Quality Assured in the USA

QC25-009

QualCast®

AUTOMOTIVE

LIGHT DUTY DIESEL & MARINE CATALOG

Part Number Prefixes

10-	**Valve, Stock**
10-VK*	**Valve Kit**
14-	**Block**
15-	**Cylinder Head, Performance***
15-*K	**Head Kit, HP***
16-	**Cylinder Head, Stock**
16-*-K	**Head Kit, Stock**
17-	**Cylinder Head, Performance CNC***
17-*K	**Head Kit, CNC**
20-	**Seat For Cast Iron Head**
21-	**Seat For Aluminum Head**
22-	**Seat, Factory Installed (Exact O.D.)**
30-	**Cast Iron Guide**
31-	**Manganese-Bronze Guide***
32-	**Spring**
33-	**Valve Spring Insert**
34-	**Keeper**
36-	**Lifter**
37-	**Rotator**
38-	**Valve Stem Seal**
40-	**Rocker Arm**
41-	**Rocker Kit**
42-	**Rocker Component**
45	**Roller Rocker Set***
52-	**High Performance Spring***
52-*K	**Spring Kit, HP***
53-	**Street Performance Valve***
55-	**Retainer**
74-	**Push Rod**
75-	**Guide Plate***
77-	**Black Lightning Racing Valve***
77-VK*	**Valve Kit, BL**
87-	**Injector Component**
96-	**Bulk Expansion Plug**
97-	**Expansion Plug Kit**

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For Heavy Duty, Agricultural and Industrial applications, see the latest QualCast Heavy Duty Catalog or visit QualCast.com online.

QualCast is constantly reviewing its warehouse distribution locations to best serve the market. For current locations, please check our website, http://QualCast.net/distribution for the most up-to-date listing.

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QualCast Limited Warranty

All products sold by QualCast are warranted to the consumer owner for one (1) year from the date of installation to be free from defects in materials or workmanship.

This warranty does not apply to any product that has been altered, misused, subject to excessive operating conditions, malfunctions because of foreign particles such as engine dirt or pieces of other deteriorating engine components, or products used in a vehicle that has been altered for other than intended purposes. Also, high performance products are not covered under this warranty including products used for off-road or racing purposes.

If a product fails to conform to this warranty, the product should be sent back, prepaid, to QualCast. If QualCast determines that the product fails to conform to the warranty, it will either replace the product or refund its original purchase price, at the option of QualCast.

THIS LIMITED EXPRESS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY IMPLIED WARRANTY OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR WARRANTY OF QUALITY, WHETHER EXPRESS OR IMPLIED. ANY IMPLIED WARRANTY OF MERCHANTABLITY, IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR WARRANTY OF QUALITY, WHETHER EXPRESS OR IMPLIED, IS EXPRESSLY EXCLUDED AND DISCLAIMED. THE WARRANTY OF TITLE SHALL NOT BE AFFECTED BY THIS EXCLUSION AND DISCLAIMER. THE REMEDIES SET FORTH IN THIS EXPRESS LIMITED WARRANTY ARE EXCLUSIVE.

QUALCAST, LLC WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, PERSONAL INJURY, PROPERTY DAMAGE, LABOR CHARGES, DOWN TIME, ANTICIPATED OR EXPECTED PROFITS, ETC.

Some states do not allow exclusions or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This express limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Special, custom, and reverse-engineered parts either from customer samples, drawings or dimensions, materials, etc. provided by a customer are not covered by our warranty.

Return of Product Policy

Any product to be returned for any reason, should be authorized by QualCast customer service or technical department, and will be given an RGA number to be noted on paperwork accompanying the return. All returned goods should be shipped “freight prepaid”. Returns may be subject to a restocking fee of up to 20%.

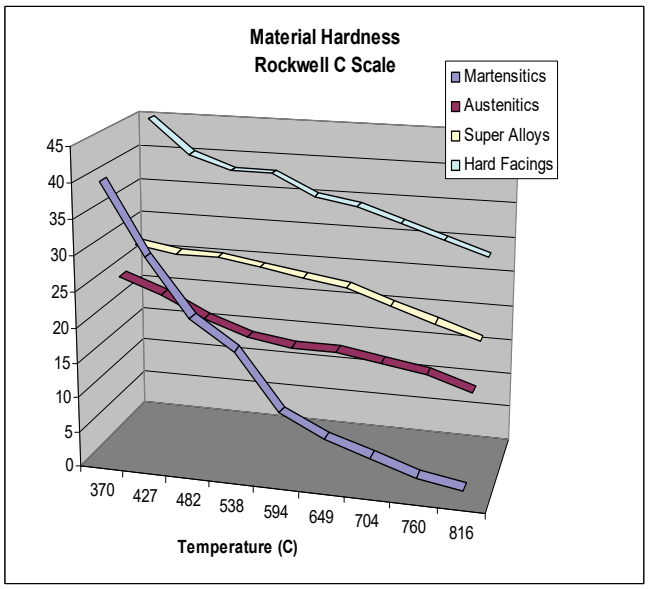
Product Information

Engine Valves

QualCast valves are designed to meet or exceed the material and dimensional specifications of the Original Equipment Manufacturer. Valves are forged from either Martensitic steel, Austenitic Steel, or a Superalloy such as Inconel. Each material has a different strength and use depending on the environment in which it operates.

Martensitic Steels are magnetic, iron-based alloys with varying percentages of chromium, carbon, and other elements, and have a very high tensile strength (resistance to breaking). Their strength is increased by tempering and quench hardening. Because intake valves operate in lower temperatures than exhaust valves, they are usually forged in one piece from a Martensitic Steel.

Austenitic Steels are non-magnetic, iron-based alloys with carbon and higher percentages of chromium, nickel, and other higher elements which give the steel greater strength in hotter operating temperatures. All stainless steel valves are forged of Austenitic steel, such as 21-2N, 21-4N, or 23-8N, etc. It is important to note, however, that these steels can not be hardened in the same way as martensitic steels, and are actually not as hard at lower temperatures. For this reason, most light duty exhaust valves will be forged in one-piece stainless with a wafer of martensitic steel above the keeper groove, at the very tip, to keep the rocker pressure from deforming the tip of the valve. Most heavy duty exhaust valves will be 2-piece valves forged from Austenitic Steel at the head, and friction welded to the stem, made from Martensitic Steel.



Some Superalloys, such as Inconel, are nickel-based and used in exhaust valve heads instead of Austenitic Steel, where conditions require strength in extreme high temperatures.

Other Superalloys, such as Stellite, are cobalt-based and typically used only on the valve seat area of a valve because of their high cost and hot hardness. First the original seat material is removed, and then Stellite or a similar “Hard Facing” is plasma-welded onto the seat area, followed by a re-machining of the surface.

Because of the friction caused between the valve stem and valve guide when the valve opens and closes, most modern valves will have an additional surface treatment of chromium on the stem area, called “chrome plating”. An alternative surface hardening treatment is nitriding, where the complete surface is sodium nitrided, followed by a re-machining of the head area.

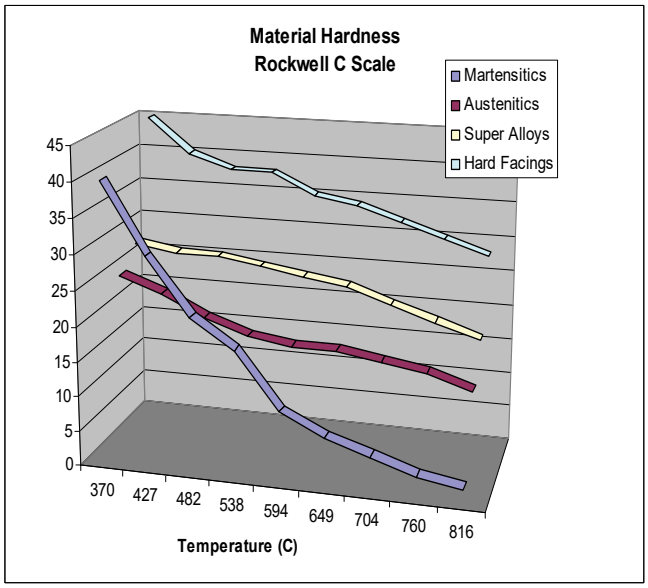
Informacion del Producto

Válvulas de Motor

Las válvulas **QualCast** están diseñadas para igualar o superar las especificaciones dimensionales y de materiales del fabricante de equipo original (OEM). Estas válvulas se forjan utilizando acero **martensítico**, **austenítico** o aleaciones especiales de alto desempeño, como **Inconel**. Cada material ofrece distintas propiedades de resistencia y se selecciona según las condiciones de operación.

Los aceros **martensíticos** son magnéticos, con composiciones a base de hierro, con proporciones variables de cromo, carbono y otros elementos. Se caracterizan por su alta maleabilidad (resistencia a la fractura) y su dureza puede aumentarse mediante tratamiento térmico (templado). Dado que las válvulas de admisión operan a temperaturas más bajas que las de escape, generalmente se fabrican de una sola pieza de acero martensítico.

Por otro lado, los aceros **austeníticos** son no magnéticos. También están compuestos de hierro con carbón, pero contienen mayores porcentajes de cromo, níquel, carbono y otros elementos, lo que le da al acero una mejor resistencia a altas temperaturas. Todas las válvulas de acero inoxidable se fabrican a partir de aceros austeníticos como el **21-2N**, **21-4N** o **23-8N**, entre otros. Sin embargo, estos aceros no pueden ser endurecidos mediante tratamiento térmico como los martensíticos, y presentan menor dureza a bajas temperaturas. Por esta razón, la mayoría válvulas de escape para motores a gasolina están forjadas en una sola pieza de acero austenítico, pero con una punta endurecida mediante la adición de un inserto de acero martensítico en la zona superior de la ranura, para evitar la deformación causada por el contacto con el balancín.



En aplicaciones más exigentes, como motores diésel de equipo pesado, las válvulas de escape suelen ser de dos piezas: la cabeza se fabrica con acero austenítico por su resistencia térmica, y el vástago con acero martensítico por su dureza. Ambas partes se unen mediante un proceso de **soldadura por fricción**.

Cuando las condiciones de operación requieren una resistencia superior a temperaturas extremas, se utilizan aleaciones especiales como el **Inconel**, una aleación a base de níquel. Este material se emplea principalmente en la cabeza de las válvulas de escape, en lugar del acero austenítico tradicional, debido a su excelente desempeño térmico y resistencia a la corrosión.

Otras aleaciones especiales, como el **Stellite**, son a base de **cobalto** y se utilizan exclusivamente en el área del asiento de la válvula debido a su alto costo y excelente resistencia a la temperatura (dureza en caliente). Estas aleaciones también se conocen como **"Hard Facings"** o recubrimientos duros.
El proceso consiste, primero, en remover una parte del material original del asiento. Luego, se aplica el **Stellite** (u otra aleación similar) mediante **soldadura por plasma** a alta temperatura. Posteriormente, el asiento debe ser maquinado con precisión para restaurar las especificaciones originales de fábrica.

Finalmente, debido a la fricción constante entre el vástago de la válvula y la guía, las válvulas modernas reciben un tratamiento superficial para reducir el desgaste y prolongar la vida útil. Una de las técnicas más comunes es la **placa de cromo**, un recubrimiento de cromo aplicado a la superficie del vástago, otra alternativa para endurecer esta superficie es el tratamiento de **nitruno de sodio**. Luego de este tratamiento, el área de la cabeza de la válvula debe ser rectificada para garantizar el acabado y las dimensiones correctas.

ENGINE	YEAR	CYL.	LINE NO.
1598cc (1.6L) SOHC 16V W10B16 Non-TRB (Mini)	2002-08	L4	**1**
1598cc (1.6L) SOHC 16V W11B16 S/C (Mini)	2002-06	L4	**2**
1598cc (1.6L) DOHC 16V N12/N16B/A (Mini)	2007-16	L4	**3**
1598cc (1.6L) DOHC 16V N14B16A/C TRB (Mini)	2007-13	L4	**4**
1598cc (1.6L) DOHC 16V N18B16A/C TRB (Mini)	2011-16	L4	**5**
1766cc (1.8L) SOHC 8V M10	1980-85	L4	**6**
1796cc (1.8L) DOHC 16V M42	1991-95	L4	**7**
1895cc (1.9L) DOHC 16V M44	1996-99	L4	**8**
1990cc (2.0L) SOHC 8V M10	1975-79	L4	**9**
1998cc (2.0L) DOHC 16V B46/48 (Mini)	2015-20	L4	**10**
2494cc (2.5L) SOHC 12V M20	1987-93	L6	**11**
2494cc (2.5L) DOHC 24V M50/52/54B25	1991-00	L6	**12**
2692cc (2.7L) SOHC 12V M20	1982-88	L6	**13**
2788cc (2.8L) SOHC 12V M30	1979-81	L6	**14**
2793cc (2.8L) DOHC 24V M52	1996-01	L6	**15**
2985cc (3.0L) SOHC 12V M30	1972-78	L6	**16**
2990cc (3.0L) DOHC 24V S50	1995-96	L6	**17**
3152cc (3.2L) DOHC 24V S52	1996-00	L6	**18**
3210cc (3.2L) SOHC 12V M30	1978-84	L6	**19**
3430cc (3.4L) SOHC 12V M30	1985-93	L6	**20**
4988cc (5.0L) DOHC 24V M70	1988-94	V12	**21**
5400cc (5.4L) DOHC 48V M73	1995-98	V12	**22**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1598cc (1.6L) SOHC 16V W10B16 Non-TRB (Mini)**				**2002-08 L4 BORE - 3.03"/77.0mm**
Valve	Exh	2002-08	**10-13223**	0.917 Head Dia. 0.236 Stem	
	Int	2002-08	**10-13222**	1.193 Head Dia. 0.236 Stem	
Guide	Both	2002-08	**30-3168**	1.655 OAL 0.436 O.D. 0.2361 I.D.	
	Both	2002-08	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2007-08	**32-5021**	1.715 Free Length. Conical	
	Both	2002-06	**32-5022**	2.050 Free Length.	
Keeper	Both	2002-08	**34-07050**	3 Groove. 0.234 Stem	
LINE 2	**1598cc (1.6L) SOHC 16V W11B16 S/C (Mini)**				**2002-06 L4 BORE - 3.03"/77.0mm**
Valve	Exh	2002-06	**10-13223**	0.917 Head Dia. 0.236 Stem	
	Int	2002-06	**10-13222**	1.193 Head Dia. 0.236 Stem	
Guide	Both	2002-06	**30-3168**	1.655 OAL 0.4355 O.D. 0.2361 I.D.	
	Both	2002-06	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2002-06	**32-5022**	2.050 Free Length.	
Keeper	Both	2002-06	**34-07050**	3 Groove. 0.234 Stem	
Valve Stem Seal	Both	2002-06	**38-20-45**	Viton. Top Hat.	
LINE 3	**1598cc (1.6L) DOHC 16V N12/N16B/A (Mini)**				**2007-16 L4 BORE - 3.03"/77.0mm**
Valve	Exh	2007-16	**10-13322**	0.988 Head Dia. 0.196 Stem	
	Int	2007-16	**10-13321**	1.181 Head Dia. 0.196 Stem	
Spring	Both	2007-16	**32-5021**	1.715 Free Length Conical	
Keeper	Both	2007-16	**34-5033**	3 Round Beads. 0.196 Stem Dia.	
Lifter	Exh	2007-16	**36-7530**	Hydraulic	
	Int	2007-16	**36-7531**	Hydraulic	
Valve Stem Seal	Both	2007-16	**38-6130-55**	Viton. Top Hat 0.196 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	1598cc (1.6L) DOHC 16V N14B16A/C TRB (Mini)			2007-13 L4	BORE - 3.03"/77.0mm
Valve	Exh	2007-13	10-13325	1.024 Head Dia. 0.196 Stem	
	Int	2007-13	10-13323	1.133 Head Dia. 0.196 Stem	
Guide	Both	2007-13	31-3169	1.750 OAL. 0.3560 O.D. 0.197 I.D. Bronze.	
Spring	Both	2007-13	32-5021	1.715 Free Length. Conical	
Keeper	Both	2007-13	34-5033	3 Round Beads. 0.196 Stem Dia.	
Valve Stem Seal	Both	2007-13	38-6130-55	Viton. Top Hat 0.196 Stem	
LINE 5	1598cc (1.6L) DOHC 16V N18B16A/C TRB (Mini)			2011-16 L4	BORE - 3.03"/77.0mm
Valve	Exh	2011-16	10-13325	1.024 Head Dia. 0.196 Stem	
	Int	2011-16	10-13324	1.169 Head Dia. 0.196 Stem	
Spring	Both	2011-16	32-5021	1.715 Free Length. Conical	
Keeper	Both	2011-16	34-5033	3 Round Beads. 0.196 Stem Dia.	
Lifter	Exh	2001-16	36-7530	Hydraulic	
	Int	2011-16	36-7531	Hydraulic	
Valve Stem Seal	Both	2011-16	38-6130-55	Viton. Top Hat 0.196 Stem	
LINE 6	1766cc (1.8L) SOHC 8V M10			1980-85 L4	BORE - 3.50"/88.9mm
Valve Seat Insert	Exh	1980-85	21-1625-63	1.345T I.D. 1-5/8 O.D. 0.290 Depth	
LINE 7	1796cc (1.8L) DOHC 16V M42			1991-95 L4	BORE - 3.30"/83.8mm
Valve	Exh	1992-95	10-10696S	1.198 Head Dia. 0.2343 Stem Dia.	
	Exh	1991-91	10-10730S	1.198 Head Dia. 0.2737 Stem Dia.	
	Int	1992-95	10-10695	1.299 Head Dia. 0.2349 Stem Dia.	
Valve Seat Insert	Int	1991-95	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
LINE 8	1895cc (1.9L) DOHC 16V M44			1996-99 L4	BORE - 3.35"/85.1mm
Valve	Exh	1996-99	10-10696S	1.198 Head Dia. 0.2343 Stem Dia.	
	Int	1996-99	10-10695	1.299 Head Dia. 0.2349 Stem Dia.	
LINE 9	1990cc (2.0L) SOHC 8V M10			1975-79 L4	BORE - 3.50"/88.9mm
Valve Seat Insert	Exh	1975-79	21-1625-63	1.345T I.D. 1-5/8 O.D. 0.290 Depth	
LINE 10	1998cc (2.0L) DOHC 16V B46/48 (Mini)			2015-20 L4	BORE - 3.23"/82.0mm
Keeper	Both	2015-20	34-5033	3 Round Beads. 0.196 Stem Dia.	
LINE 11	2494cc (2.5L) SOHC 12V M20			1987-93 L6	BORE - 3.31"/84.1mm
Valve	Exh	1988-93	10-10374S	1.415 Head Dia.	
	Int	1988-93	10-10373	1.654 Head Dia.	
	Int	1987-87	10-10375	1.570 Head Dia.	
Valve Seat Insert	Int	1987-93	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
	Int	1987-93	21-1750-60	1.437T I.D. 1-3/4 O.D. 0.302 Depth.	
LINE 12	2494cc (2.5L) DOHC 24V M50/52/54B25			1991-00 L6	BORE - 3.31"/84.1mm
Valve	Exh	1993-00	10-10696S	1.198 Head Dia. 0.2343 Stem Dia.	
	Exh	1991-92	10-10730S	1.198 Head Dia. 0.2737 Stem Dia.	
	Int	1993-00	10-10695	1.299 Head Dia. 0.2349 Stem Dia.	
Valve Seat Insert	Int	1991-00	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
LINE 13	2692cc (2.7L) SOHC 12V M20			1982-88 L6	BORE - 3.31"/84.1mm
Valve Seat Insert	Exh	1986-88	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 13	**2692cc (2.7L) SOHC 12V M20**			**1982-88 L6**	**BORE - 3.31"/84.1mm**
Valve Seat Insert	Int	1982-85	**21-1687-57**	1.335T I.D. 1-11/16 O.D. 0.275 Depth.	
	Int	1986-88	**21-1750-60**	1.437T I.D. 1-3/4 O.D. 0.302 Depth.	
LINE 14	**2788cc (2.8L) SOHC 12V M30**			**1979-81 L6**	**BORE - 3.39"/86.1mm**
Valve Seat Insert	Exh	1979-81	**21-1625-63**	1.345T I.D. 1-5/8 O.D. 0.290 Depth	
LINE 15	**2793cc (2.8L) DOHC 24V M52**			**1996-01 L6**	**BORE - 3.31"/84.1mm**
Valve	Exh	1996-00	**10-10696S**	1.198 Head Dia. 0.2343 Stem Dia.	
	Int	1996-00	**10-10695**	1.299 Head Dia. 0.2349 Stem Dia.	
LINE 16	**2985cc (3.0L) SOHC 12V M30**			**1972-78 L6**	**BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1972-77	**21-1625-63**	1.345T I.D. 1-5/8 O.D. 0.290 Depth	
LINE 17	**2990cc (3.0L) DOHC 24V S50**			**1995-96 L6**	**BORE - 3.39"/86.1mm**
Valve	Exh	1995-96	**10-10696S**	1.198 Head Dia. 0.2343 Stem Dia.	
	Int	1995-96	**10-10695**	1.299 Head Dia. 0.2349 Stem Dia.	
Valve Seat Insert	Int	1995-96	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
LINE 18	**3152cc (3.2L) DOHC 24V S52**			**1996-00 L6**	**BORE - 3.40"/86.4mm**
Valve	Exh	1996-01	**10-10696S**	1.198 Head Dia. 0.2343 Stem Dia.	
	Int	1996-01	**10-10695**	1.299 Head Dia. 0.2349 Stem Dia.	
LINE 19	**3210cc (3.2L) SOHC 12V M30**			**1978-84 L6**	**BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1978-84	**21-1625-63**	1.345T I.D. 1.5/8 O.D. 0.290 Depth	
LINE 20	**3430cc (3.4L) SOHC 12V M30**			**1985-93 L6**	**BORE - 3.60"/91.4mm**
Valve Seat Insert	Exh	1987-93	**21-1625-56**	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Exh	1985-89	**21-1625-63**	1.345T I.D. 1-5/8 O.D. 0.290 Depth.	
LINE 21	**4988cc (5.0L) DOHC 24V M70**			**1988-94 V12**	**BORE - 3.31"/84.1mm**
Valve Seat Insert	Exh	1988-94	**21-1500-63**	1.210T I.D. 1-1/2 O.D. 0.345 Depth.	
	Int	1988-94	**21-1750-60**	1.437T I.D. 1-3/4 O.D. 0.302 Depth.	
LINE 22	**5400cc (5.4L) DOHC 48V M73**			**1995-98 V12**	**BORE - 3.35"/85.1mm**
Valve Seat Insert	Exh	1995-98	**21-1500-53**	1.180T I.D. 1-1/2 O.D. 0.307 Depth	
	Int	1995-98	**21-1750-60**	1.437T I.D. 1-3/4 O.D. 0.302 Depth.	

ENGINE	YEAR	CYL.	LINE NO.
155 C.I. (2.5L) OHV 12V		L6	**1**
225 C.I. (3.7L) OHV 12V		L6	**2**
250 C.I. (4.1L) OHV 16V		V8	**3**
251 C.I. (4.1L) OHV 12V		L6	**4**
260 C.I. (4.3L) OHV 16V		V8	**5**
265 C.I. (4.3L) OHV 12V M47 Crown		L6	**6**
273 C.I. (4.5L) OHV		V8	**7**
280 C.I. (4.6L) OHV 16V		V8	**8**
280 C.I. (4.6L) OHV 16V 4.30" Bore		V8	**9**
300 C.I. (4.9L) OHV 16V		V8	**10**
318 C.I. (5.2L) OHV 16V		V8	**11**
318 C.I. (5.2L) OHV 16V Special 915		V8	**12**
318 C.I. (5.2L) OHV 16V Mechanical		V8	**13**
324 C.I. (5.3L) OHV 16V		V8	**14**
330 C.I. (5.4L) OHV 16V		V8	**15**
331 C.I. (5.4L) OHV 16V		V8	**16**
335 C.I. (5.5L) OHV 16V		V8	**17**
340 C.I. (5.6L) OHV 16V		V8	**18**
360 C.I. (5.6L) OHV 16V		V8	**19**
361 C.I. (5.9L) OHV 16V M81		V8	**20**
375 C.I. (6.1L) OHV 16V		V8	**21**
383 C.I. (6.3L) OHV 16V		V8	**22**
400 C.I (6.6L) OHV 16V		V8	**23**
440 C.I. (7.2L) OHV 16V		V8	**24**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**155 C.I. (2.5L) OHV 12V**				**L6** **BORE - 3.40"/86.4mm**
Valve	Exh		**10-1265**	1.360 Head Dia. 0.3715 Stem. 4.796 OAL. 4G.	
	Exh		**10-1265+30**	1.360 Head Dia. 0.4015 Stem. 4.796 OAL. 4G.	
	Exh		**10-1265+5**	1.360 Head Dia. 0.3765 Stem. 4.796 OAL. 4G.	
	Int		**10-567**	1.620 Head Dia. 0.3725 Stem. 4.774 OAL. 2G.	
	Int		**10-567+15**	1.620 Head Dia. 0.3875 Stem. 4.774 OAL. 2G.	
	Int		**10-567+30**	1.620 Head Dia. 0.4025 Stem. 4.774 OAL. 2G.	
	Int		**10-567+5**	1.620 Head Dia. 0.3775 Stem. 4.774 OAL. 2G.	
Valve Seat Insert	Exh		**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int		**20-1750-1**	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both		**32-672**	2.000 Free Length	
Keeper	Exh		**34-766**	4G. Heat Treated. OEM # 1614666	
	Int		**34-746**	2 Round Beads. OEM # 381875.	
Valve Stem Seal	Exh		**38-780-25**	Polyacrylic. Umbrella.	
LINE 2	**225 C.I. (3.7L) OHV 12V**				**L6** **BORE - 3.40"/86.0mm**
Valve	Exh		**10-1265**	1.360 Head Dia. 0.3715 Stem. 4.796 OAL. 4G.	
	Exh		**10-1265+30**	1.360 Head Dia. 0.4015 Stem. 4.796 OAL. 4G.	
	Exh		**10-1265+5**	1.360 Head Dia. 0.3765 Stem. 4.796 OAL. 4G.	
	Int		**10-567**	1.620 Head Dia. 0.3725 Stem. 4.774 OAL. 2G.	
	Int		**10-567+15**	1.620 Head Dia. 0.3875 Stem. 4.774 OAL. 2G.	
	Int		**10-567+30**	1.620 Head Dia. 0.4025 Stem. 4.774 OAL. 2G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 2	**225 C.I. (3.7L) OHV 12V**				**L6 BORE - 3.40"/86.0mm**
Valve Seat Insert	Exh		**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int		**20-1750-1**	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both		**32-672**	2.000 Free Length. OEM # 1739534	
Keeper	Exh		**34-766**	4G. Heat Treated	
	Int		**34-746**	2 Round Beads. OEM # 381875.	
Lifter	Both		**36-2084**	Mechanical High Performance	
Valve Stem Seal	Exh		**38-780-25**	Polyacrylic. Umbrella.	
LINE 3	**250 C.I. (4.1L) OHV 16V**				**V8 BORE - 4.00"/102.6mm**
Valve	Exh		**10-1312S**	1.517 Head Dia. 2G.	
	Int		**10-1186**	1.811 Head Dia. 0.3725 Stem. 2G.	
	Int		**10-1186+15**	1.811 Head Dia. 0.3875 Stem. 2G.	
Valve Seat Insert	Exh		**20-1687-3**	1-7/16 I.D. 1-11/16 O.D. 1/4 Depth.	
	Int		**20-2000-6**	1-5/8 I.D. 2.000 O.D. 9/32 Depth	
Keeper	Both		**34-746**	2 Round Beads. OEM # 381875.	
LINE 4	**251 C.I. (4.1L) OHV 12V**				**L6 BORE - 3.44"/87.3mm**
Valve Seat Insert	Int		**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.	
	Exh		**22-1640-1**	1-3/8 I.D. 1.640 O.D. 1/4 Depth	
Guide	Exh		**30-1337**	2.813 OAL. 0.3445 I.D. 0.6575 O.D.	
	Int		**30-1338**	2.813 OAL	
LINE 5	**260 C.I. (4.3L) OHV 16V**				**V8 BORE - 4.25"/108.0mm**
Valve	Int		**10-548**	2.080 Head Dia. To S/N E44742. 2G.	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Keeper	Int		**34-746**	2 Round Beads. OEM # 381875.	
LINE 6	**265 C.I. (4.3L) OHV 12V M47 Crown**				**L6 BORE - 3.44"/87.3mm**
Valve Seat Insert	Int		**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.	
	Exh		**22-1640-1**	1-3/8 I.D. 1.640 O.D. 1/4 Depth	
Guide	Exh		**30-1337**	2.813 OAL. 0.3445 I.D. 0.6575 O.D.	
	Int		**30-1338**	2.813 OAL	
LINE 7	**273 C.I. (4.5L) OHV**				**V8 BORE - 3.63"/92.0mm**
Valve	Exh		**10-1329**	1.500 Head Dia. 0.3715 Stem. 5.003 OAL. 4G.	
	Exh		**10-1329+15**	1.500 Head Dia. 0.3865 Stem. 5.003 OAL. 4G.	
	Exh		**10-1329+30**	1.500 Head Dia. 0.4019 Stem. 5.003 OAL. 4G.	
	Exh		**10-1329+5**	1.500 Head Dia. 0.3769 Stem. 5.003 OAL. 4G.	
	Int		**10-938**	1.780 Head Dia. 0.3725 Stem. 4.979 OAL. 2G.	
	Int		**10-938+15**	1.780 Head Dia. 0.3875 Stem. 4.979 OAL. 2G.	
	Int		**10-938+30**	1.780 Head Dia. 0.4025 Stem. 4.979 OAL. 2G.	
	Int		**10-938+5**	1.780 Head Dia. 0.3775 Stem. 4.979 OAL. 2G.	
Valve Seat Insert	Exh		**20-1625-2**	1-3/8 I.D. 1-5/8 O.D. 1/4 Depth. +10 O/S Avail.	
	Int		**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 7	**273 C.I. (4.5L) OHV**				**V8** **BORE - 3.63"/92.0mm**
Guide	Int		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both		**32-901-D**	1.940 Free Length.	
Lifter	Both		**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Rocker Component	Both		**40-2892**	Rocker Arm, LH. Stamped	
	Both		**40-2893**	Rocker Arm, RH. Stamped	
LINE 8	**280 C.I. (4.6L) OHV 16V**				**V8** **BORE - 4.25"/108.0mm**
Valve	Int		**10-548**	2.080 Head Dia. 2G	
Keeper	Int		**34-746**	2 Round Beads. OEM # 381875.	
LINE 9	**280 C.I. (4.6L) OHV 16V 4.30" Bore**				**V8** **BORE - 4.34"/110.3mm**
Valve	Int		**10-548**	2.080 Head Dia. 2G	
Guide	Both		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Keeper	Int		**34-746**	2 Round Beads. OEM # 381875.	
LINE 10	**300 C.I. (4.9L) OHV 16V**				**V8** **BORE - 3.91"/99.0mm**
Valve	Int		**10-548**	2.080 Head Dia. 2G.	
Guide	Both		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Keeper	Int		**34-746**	2 Round Beads. OEM # 381875.	
LINE 11	**318 C.I. (5.2L) OHV 16V**				**V8** **BORE - 3.91"/99.3mm**
Valve	Exh		**10-1312S**	1.517 Head Dia. From S/N EI 69354. 2G	
	Int		**10-1186**	1.811 Head Dia. 0.3725 Stem. 2G.	
	Int		**10-1186+15**	1.811 Head Dia. 0.3875 Stem. 2G.	
Valve Seat Insert	Exh		**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		**30-9610**	2.625 OAL. 0.375 Spiral I.D. 0.502 O.D.	
Spring	Both		**32-1061**	1.810 Free Length.	
Keeper	Both		**34-746**	2 Round Beads. OEM # 381875.	
Lifter	Both		**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both		**38-921-25**	Polyacrylic. 2-Ring.	
Rocker Component	Both		**40-2892**	Rocker Arm, LH. Stamped. Use w/ Hydr. Lifter	
	Both		**40-2893**	Rocker Arm, RH. Stamped. Use w/ Hydr. Lifter	
	Both		**42-2661**	Rocker Shaft. 2 Required w/ Hyd. Lifter	
Push Rod	Both		**74-6324**	7.500 Length	
Expansion Plug Kit			**97-11B**	Brass Kit	
LINE 12	**318 C.I. (5.2L) OHV 16V Special 915**				**V8** **BORE - 3.91"/99.3mm**
Valve	Exh		**10-1329**	1.500 Head Dia. 0.3715 Stem. 5.003 OAL. 4G.	
	Exh		**10-1329+15**	1.500 Head Dia. 0.3865 Stem. 5.003 OAL. 4G.	
	Exh		**10-1329+30**	1.500 Head Dia. 0.4019 Stem. 5.003 OAL. 4G.	
	Exh		**10-1329+5**	1.500 Head Dia. 0.3769 Stem. 5.003 OAL. 4G.	
	Int		**10-938**	1.780 Head Dia. 0.3725 Stem. 4.979 OAL. 2G.	
	Int		**10-938+15**	1.780 Head Dia. 0.3875 Stem. 4.979 OAL. 2G.	
	Int		**10-938+30**	1.780 Head Dia. 0.4025 Stem. 4.979 OAL. 2G.	
	Int		**10-938+5**	1.780 Head Dia. 0.3775 Stem. 4.979 OAL. 2G.	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		**30-9610**	2.625 OAL. 0.375 Spiral I.D. 0.502 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 12	**318 C.I. (5.2L) OHV 16V Special 915**				**V8** **BORE - 3.91"/99.3mm**
Keeper	Exh		**34-766**	4G. Heat Treated. OEM # 1614666	
	Int		**34-746**	2 Round Beads. OEM # 381875.	
Lifter	Both		**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Rocker Component	Both		**40-2892**	Rocker Arm, LH. Stamped	
	Both		**40-2893**	Rocker Arm, RH. Stamped	
	Both		**42-2661**	Rocker Shaft. 2 Required w/ Hyd. Lifter	
Push Rod	Both		**74-6324**	7.500 Length	
LINE 13	**318 C.I. (5.2L) OHV 16V Mechanical**				**V8** **BORE - 3.91"/99.3mm**
Valve	Exh		**10-518**	1.563 Head Dia. 4G	
	Int		**10-514**	1.844 Head Dia. 2G	
Valve Seat Insert	Exh		**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	
Guide	Exh		**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		**30-9610**	2.625 OAL. 0.375 Spiral I.D. 0.502 O.D.	
Keeper	Exh		**34-766**	4G. Heat Treated. OEM # 1614666	
	Int		**34-746**	2 Round Beads. OEM # 381875.	
Valve Stem Seal	Both		**38-921-25**	Polyacrylic. 2-Ring.	
LINE 14	**324 C.I. (5.3L) OHV 16V**				**V8** **BORE - 3.25"/82.5mm**
Valve Seat Insert	Exh		**20-1500-6**	1-3/16 I.D. 1-1/2 O.D. 1/4 Depth.	
	Int		**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
LINE 15	**330 C.I. (5.4L) OHV 16V**				**V8** **BORE - 4.32"/110.0mm**
Valve	Int		**10-548**	2.080 Head Dia. 2G	
Guide	Both		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Keeper	Int		**34-746**	2 Round Beads. OEM # 381875.	
LINE 16	**331 C.I. (5.4L) OHV 16V**				**V8** **BORE - 3.81"/96.8mm**
Valve Seat Insert	Exh		**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. Late Des. +5,10,15,30 O/S Avail.	
	Exh		**20-1687-7**	1-3/8 I.D. 1-11/16 O.D. 1/4 Depth. Early Des.	
	Int		**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Early Des.	
	Int		**20-2125-10**	1-3/4 I.D. 2-1/8 O.D. 9/32 Depth. Late Des.	
LINE 17	**335 C.I. (5.5L) OHV 16V**				**V8** **BORE - 4.30"/110.0mm**
Valve	Int		**10-548**	2.080 Head Dia. 2G.	
Guide	Both		**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Keeper	Int		**34-746**	2 Round Beads. OEM # 381875.	
Rocker Component	Both		**40-2892**	Rocker Arm, LH. Stamped	
	Both		**40-2893**	Rocker Arm, RH. Stamped	
	Both		**42-2661**	Rocker Shaft. 2 Required w/ Hyd. Lifter	
Push Rod	Both		**74-6324**	7.500 Length	
LINE 18	**340 C.I. (5.6L) OHV 16V**				**V8** **BORE - 4.05"/102.9mm**
Valve	Exh		**10-1312S**	1.517 Head Dia. From S/N E169354. 2G	
	Int		**10-1186**	1.811 Head Dia. 0.3725 Stem. 2G.	
	Int		**10-1186+15**	1.811 Head Dia. 0.3875 Stem. 2G.	
Valve Seat Insert	Exh		**20-1687-3**	1-7/16 I.D. 1-11/16 O.D. 1/4 Depth.	
	Exh		**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.	
	Int		**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. Nickel (-N) Also Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 18	340 C.I. (5.6L) OHV 16V				V8 BORE - 4.05"/102.9mm
Valve Seat Insert	Int		20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
	Int		20-2000-6	1-5/8 I.D. 2.000 O.D. 9/32 Depth	
Guide	Both		30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both		32-901-D	1.940 Free Length. All.	
Keeper	Both		34-746	2 Round Beads. OEM # 381875.	
Lifter	Both		36-2011CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both		38-921-25	Polyacrylic. 2-Ring.	
Rocker Component	Both		40-2892	Rocker Arm, LH. Stamped	
	Both		40-2893	Rocker Arm, RH. Stamped	
	Both		42-2661	Rocker Shaft. 2 Required w/ Hyd. Lifter	
Push Rod	Both		74-6324	7.500 Length	
Expansion Plug Kit			97-11B	Brass Kit	
LINE 19	360 C.I. (5.6L) OHV 16V				V8 BORE - 4.00"/102.0mm
Valve	Exh		10-1312S	1.517 Head Dia. 2G.	
	Int		10-1186	1.811 Head Dia. 0.3725 Stem. 2G.	
	Int		10-1186+15	1.811 Head Dia. 0.3875 Stem. 2G.	
Valve Seat Insert	Exh		20-1625-2	1-3/8 I.D. 1-5/8 O.D. 1/4 Depth. +10 O/S Avail.	
	Int		20-2000-6	1-5/8 I.D. 2.000 O.D. 9/32 Depth	
Guide	Both		30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both		32-901-D	1.940 Free Length.	
Keeper	Both		34-746	2 Round Beads. OEM # 381875.	
Lifter	Both		36-2011CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Rocker Component	Both		40-2892	Rocker Arm, LH. Stamped	
	Both		40-2893	Rocker Arm, RH. Stamped	
	Both		42-2661	Rocker Shaft. 2 Required w/ Hyd. Lifter	
Push Rod	Both		74-6324	7.500 Length	
Expansion Plug Kit			97-11B	Brass Kit	
LINE 20	361 C.I. (5.9L) OHV 16V M81				V8 BORE - 4.13"/104.8mm
Valve	Exh		10-576	1.500 Head Dia. 2G	
	Int		10-577	1.880 Head Dia. 0.3725 Stem. 5.668 OAL. 4G	
	Int		10-577+5	1.880 Head Dia. 0.3775 Stem. 5.668 OAL. 4G	
Valve Seat Insert	Exh		20-1625-20	1-5/16 I.D. 1-5/8 O.D. 0.395 Depth. Alt. I.D.	
	Int		20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth.	
	Int		20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
	Exh		22-1624-1N	1-21/64 I.D. 1.6245 O.D. 3/8 Depth	
Keeper	Exh		34-746	2 Round Beads. OEM # 381875.	
	Int		34-766	4G. Heat Treated. OEM # 1614666	
Lifter	Both		36-2084	Mechanical High Performance	
Valve Stem Seal	Both		38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
	Both		38-921-25	Polyacrylic. 2-Ring.	
LINE 21	375 C.I. (6.1L) OHV 16V				V8 BORE - 4.34"/110.3mm
Valve	Int		10-548	2.080 Head Dia. 2G	
Valve Seat Insert	Exh		20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
	Int		20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 21	375 C.I. (6.1L) OHV 16V				V8 BORE - 4.34"/110.3mm
Guide	Both		30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both		32-891-D	2.230 Free Length. All.	
Keeper	Exh		34-766	4G. Heat Treated	
	Int		34-746	2 Round Beads. OEM # 381875.	
Valve Stem Seal	Both		38-921-25	Polyacrylic. 2-Ring.	
Rocker Component	Both		40-2850	Rocker Arm. Stamped. LH	
	Both		40-2851	Rocker Arm. Stamped. RH	
	Both		42-2701	Rocker Shaft. 2 Required	
LINE 22	383 C.I. (6.3L) OHV 16V				V8 BORE - 4.25"/108.0mm
Valve	Int		10-548	2.080 Head Dia. 2G	
Valve Seat Insert	Exh		20-1750-1	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.	
	Int		20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Exh		30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int		30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Keeper	Int		34-746	2 Round Beads. OEM # 381875.	
Valve Stem Seal	Both		38-921-25	Polyacrylic. 2-Ring.	
Rocker Component	Both		40-2850	Rocker Arm. Stamped. LH	
	Both		40-2851	Rocker Arm. Stamped. RH	
	Both		42-2701	Rocker Shaft. 2 Required	
Push Rod	Both		74-6321	8.575 Length	
LINE 23	400 C.I (6.6L) OHV 16V				V8 BORE - 4.30"/110.0mm
Valve	Int		10-548	2.080 Head Dia. 2G.	
Valve Seat Insert	Exh		20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
	Int		20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Both		30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both		32-891-D	2.230 Free Length.	
Keeper	Int		34-746	2 Round Beads. OEM # 381875.	
Lifter	Both		36-976	Hydraulic	
Valve Stem Seal	Both		38-921-25	Polyacrylic. 2-Ring.	
Rocker Component	Both		40-2850	Rocker Arm. Stamped. LH	
	Both		40-2851	Rocker Arm. Stamped. RH	
Push Rod	Both		74-6321	8.575 Length	
LINE 24	440 C.I. (7.2L) OHV 16V				V8 BORE - 4.30"/110.0mm
Valve	Int		10-548	2.080 Head Dia. 2G.	
Valve Seat Insert	Exh		20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
	Int		20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Spring	Both		32-891-D	2.230 Free Length.	
Keeper	Both		34-766	4G. Heat Treated. 3/8 Stem	
	Int		34-746	2 Round Beads. OEM # 381875.	
Lifter	Both		36-976	Hydraulic	
Valve Stem Seal	Both		38-921-25	Polyacrylic. 2-Ring.	
Rocker Component	Both		40-2850	Rocker Arm. Stamped. LH	
	Both		40-2851	Rocker Arm. Stamped. RH	
Push Rod	Both		74-6321	8.575 Length	

ENGINE	YEAR	CYL.	LINE NO.
1368cc (1.4L) SOHC 16V Vin H MultiAir (Fiat)	2012-20	L4	**1**
1410cc (1.4L) SOHC 8V G12B (Mitsubishi)	1979-84	L4	**2**
1468cc (1.5L) SOHC 8V G15B (Mitsubishi) Vin K	1985-88	L4	**3**
1468cc (1.5L) SOHC 12V 4G15 (Mitsubishi)	1991-96	L4	**4**
1595cc (1.6L) DOHC 16V 4G61 (Mitsubishi)	1989-90	L4	**5**
1597cc (1.6L) SOHC 8V 4G32 (Mits.)	1971-78	L4	**6**
1597cc (1.6L) SOHC 8V G32B/Z (Mits.)	1977-80	L4	**7**
1597cc (1.6L) SOHC G32B/K (Mitsubishi) 8V	1979-88	L4	**8**
1597cc (1.6L) SOHC Turbo G32B (Mits.) 8V	1984-88	L4	**9**
1721cc (1.7L) SOHC 8V Vin A,B (VW)	1978-83	L4	**10**
1755cc (1.8L) SOHC 8V 4G37 (Mitsubishi)	1989-94	L4	**11**
1798cc (1.8L) DOHC 16V Vin C	2007-09	L4	**12**
1834cc (1.8L) SOHC 16V 4G93 (Mitsubishi)	1992-96	L4	**13**
121 C.I. (2.0L) SOHC 8V Vin G,K (Audi)	1977-79	L4	**14**
1995cc (2.0L) SOHC 8V G52 (Mits.)	1974-82	L4	**15**
122 C.I. (2.0L) SOHC 16V Vin C,ECB,F,N,9	1995-05	L4	**16**
122 C.I. (2.0L) DOHC 16V Vin B,Y	1995-99	L4	**17**
122 C.I. (2.0L) DOHC 16V Vin A ECK	2013-16	L4	**18**
1997cc (2.0L) SOHC Carb,/F.I. G63B (Mitsubishi) 8V	1983-91	L4	**19**
1997cc (2.0L) DOHC 16V 4G63 TRB (Mitsubishi)	1990-98	L4	**20**
122 C.I. (2.0L) DOHC 16V Vin N Hurricane	2018-25	L4	**21**
122 C.I. (2.0L) DOHC 16V Vin 0,A,B ECN	2007-17	L4	**22**
126 C.I. (2.1L) SOHC 8V Turbo Diesel	1984-87	L4	**23**
134 C.I. (2.2L) OHV 8V "L" Head AMC	1939-65	L4	**24**
134 C.I. (2.2L) OHV "F" Head AMC 8V	1950-73	L4	**25**
2213cc (2.2L) SOHC 8V Vin A,B,C,D,E,F,P,R	1981-94	L4	**26**
2213cc (2.2L) DOHC 16V Turbo (Maserati)	1990-93	L4	**27**
2346cc (2.3L) SOHC 8V D TRB 4D55T (Mitsubishi)	1983-85	L4	**28**
2351cc (2.4L) SOHC 8V G64B (Mitsubishi)	1990-93	L4	**29**
2351cc (2.4L) SOHC 16V 4G64 (Mitsubishi) Vin G	1993-05	L4	**30**
144 C.I. (2.4L) DOHC 16V Vin B,F,J,K,W	2007-20	L4	**31**
144 C.I. (2.4L) SOHC 16V Vin B,T,ED6,ED8	2013-23	L4	**32**
148 C.I. (2.4L) DOHC 16V Vin B,E,G,J,S,X,1,8,9	1995-10	L4	**33**
150 C.I. (2.5L) OHV 8V AMC Vin E,H,P,U	1983-02	L4	**34**
151 C.I. (2.5L) OHV 8V Vin B (GM)	1980-84	L4	**35**
2497cc (2.5L) SOHC 24V 6G73 (Mitsubishi) Vin H, N	1995-00	V6	**36**
153 C.I. (2.5L) SOHC 8V Vin G,K,V	1986-95	L4	**37**
153 C.I. (2.5L) SOHC 8V TRB Vin J	1989-92	L4	**38**
2555cc (2.6L) SOHC 8V G54B TRB (Mitsubishi)	1978-89	L4	**39**
2687cc (2.7L) DOHC 20V Diesel Vin 1,2,4 (Mercedes)	2003-06	L5	**40**
167 C.I. (2.7L) DOHC 24V Vin D,R,T,U	1998-10	V6	**41**
170 C.I. (2.8L) OHV 12V	1960-69	L6	**42**
173 C.I. (2.8L) OHV 12V Vin W (GM)	1984-86	V6	**43**
2972cc (3.0L) SOHC 12V 6G72 Vin 3,H,S (Mitsubishi)	1987-00	V6	**44**
2972cc (3.0L) DOHC 24V 6G72/T Vin BCJK (Mitsubishi)	1991-96	V6	**45**
2972cc (3.0L) SOHC 24V 6G72 Vin H (Mitsubishi)	2001-05	V6	**46**
2987cc (3.0L) DOHC 24V D OM642 (Mercedes)	2007-09	V6	**47**
182 C.I. (3.0L) DOHC 24V D TRB Vin M	2014-23	V6	**48**
196 C.I. (3.2L) OHV 12V AMC	1958-65	L6	**49**
197 C.I. (3.2L) SOHC 24V Vin J	1998-01	V6	**50**
198 C.I. (3.2L) DOHC 24V Vin X	2014-22	V6	**51**
198 C.I. (3.2L) OHV 12V Vin A,B	1970-74	L6	**52**
199 C.I. (3.3L) OHV 12V AMC	1965-70	L6	**53**
201 C.I. (3.3L) OHV 12V Vin 3,E,G,H,R,S,T,U	1990-10	V6	**54**

215 C.I. (3.5L) SOHC 24V Vin F,G,K,M,V,4	1993-10	V6	**55**
218 C.I. (3.6L) L-Head 12V	1949-54	L6	**56**
220 C.I. (3.6L) DOHC 24V Vin 7,G Pentastar PHEV	2011-25	V6	**57**
225 C.I. (3.7L) OHV 12V Vin 6,B-F, H,J,M,N,W,X	1960-87	L6	**58**
225 C.I. (3.7L OHV 12V (GM)	1965-71	V6	**59**
226 C.I. (3.7L) SOHC 12V Vin K	2002-12	V6	**60**
226 C.I. (3.7L) L-Head 12V	1954-65	L6	**61**
230 C.I. (3.8L) OHV 12V L-Head	1946-59	L6	**62**
230 C.I. (3.8L) SOHC 12V (Continental)	1962-68	L6	**63**
232 C.I. (3.8L) OHV 12V Vin B,C,E,G AMC	1964-79	L6	**64**
231 C.I. (3.8L) OHV 12V Vin 1,L,P	1991-11	V6	**65**
236-237 C.I. (3.9L) OHV 12V	1942-53	L6	**66**
239 C.I. (3.9L) OHV F.I. 12V Vin M,X	1987-03	V6	**67**
241 C.I. (4.0L) SOHC 24V Vin 6,X	2007-11	V6	**68**
242 C.I. (4.0L) OHV 12V Vin L,M,S	1987-06	L6	**69**
250 C.I. (4.1L) OHV 8V AMC	1956-62	V8	**70**
251 C.I. (4.1L) 12V L-Head	1950-68	L6	**71**
258 C.I. (4.2L) OHV 12V Vin A,B,C,M,T	1971-90	L6	**72**
265 C.I. (4.3L) L-Head 12V	1951-60	L6	**73**
270 C.I. (4.4L) OHV 16V	1955-56	V8	**74**
273 C.I. (4.5L) OHV 16V	1964-69	V8	**75**
277 C.I. (4.5L) OHV 16V	1956-57	V8	**76**
287 C.I. (4.7L) SOHC 16V Vin J,N,P	1999-13	V8	**77**
287 C.I. (4.7L) OHV 16V Vin H,N,T AMC	1963-66	V8	**78**
290 C.I. (4.8L) OHV 16V Vin C,D,H,M,N AMC	1966-69	V8	**79**
303 C.I. (5.0L) OHV 16V	1956-57	V8	**80**
304 C.I. (5.0L) OHV 16V Vin H,I,M AMC	1970-81	V8	**81**
318 C.I. (5.2L) OHV 16V Carb./FI Car/Truck/MH	1957-91	V8	**82**
318 C.I. (5.2L) 16V Magnum	1992-03	V8	**83**
326 C.I. (5.3L) OHV 16V	1959-59	V8	**84**
327 C.I. (5.4L) OHV 16V AMC	1960-70	V8	**85**
331, 354, 392 C.I. OHV 16V	1954-59	V8	**86**
340 C.I. (5.6L) OHV 16V Vin H,J,P	1968-73	V8	**87**
343 (5.6L) OHV 16V Vin JKQRSTVWXZ AMC	1967-69	V8	**88**
345 C.I. (5.7L) 16V Hemi Vin 2,8,D,H,T	2002-25	V8	**89**
350 C.I. (5.7L) GM 16V	1968-71	V8	**90**
359 C.I. (5.9L) 12V 6BT D TRB (Cummins) Vin C,D,8	1989-98	L6	**91**
359 C.I. (5.9L) 24V ISB D TRB (Cummins) Vin 6,7,C	1998-09	L6	**92**
360 C.I. (5.9L) OHV 16V Vin 7,N,P AMC	1970-91	V8	**93**
360 C.I. (5.9L) 16V Vin 356 Car/Truck/MH	1958-92	V8	**94**
360 C.I. (5.9L) OHV 16V Magnum Vin Z	1993-03	V8	**95**
370 C.I. (6.1L) OHV 16V Vin 3,W Hemi	2005-10	V8	**96**
376 C.I.(6.2L) OHV 16V Vin 9 S/C	2015-25	V8	**97**
383 C.I. (6.3L) OHV 16V Vin 8, G, H, J, L, N	1959-71	V8	**98**
390 C.I. (6.4L) OHV 16V Vin W,X,Y AMC	1968-70	V8	**99**
392 C.I. (6.4L) OHV 16V Vin J Hemi FI	2011-25	V8	**100**
392 C.I. (6.4L) OHV 16V	1957-58	V8	**101**
400 C.I. (6.6L) OHV 16V Vin J,M,N,P	1972-78	V8	**102**
401 C.I. (6.6L) OHV 16V Vin Z AMC	1971-78	V8	**103**
6690cc (6.7L) OHV 24V ISB D TRB (Cummins)	2007-25	L6	**104**
413 C.I. (6.8L) OHV 16V	1959-65	V8	**105**
426 C.I. (7.0L) OHV 16V Vin H,J,R Hemi	1965-71	V8	**106**
440 C.I. (7.2L) 16V OHV Vin A,D,K,L,M,T,U,V	1966-80	V8	**107**
478 C.I. (7.8L) OHV 16V	1969-77	V8	**108**
488 C.I. (8.0L) OHV 20V Car Vin E	1992-02	V10	**109**
488 C.I. (8.0L) OHV 20V Vin W	1994-03	V10	**110**

505 C.I. (8.3L) OHV 20V Vin H	2004-06	V10	**111**
515 C.I. (8.4L) OHV 20V	2008-17	V10	**112**

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 1	**1368cc (1.4L) SOHC 16V Vin H MultiAir (Fiat)**			**2012-20 L4 BORE - 2.84"/72.0mm**
Valve	Exh	2012-17	**10-13478S**	0.885 Head Dia. OEM # 04892677AB
	Int	2012-18	**10-13477**	1.059 Head Dia. OEM # 04892676AB
Keeper	Both	2012-20	**34-5021**	3 Round Beads. 0.236 Stem Dia.
Valve Stem Seal	Both	2012-20	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.
LINE 2	**1410cc (1.4L) SOHC 8V G12B (Mitsubishi)**			**1979-84 L4 BORE - 2.91"/74.0mm**
Valve	Exh	1979-84	**10-10097**	1.181 Head Dia. 0.258 Stem. Round Groove
	Int	1979-84	**10-10098**	1.340 Head Dia. Round Groove
Valve Seat Insert	Int	1979-84	**21-1437-57**	1.100T I.D. 1-7/16 O.D. 0.293 Depth
Guide	Int	1979-84	**30-7578**	1.730 OAL. 0.260 I.D. 0.4755 O.D.
Valve Stem Seal	Both	1979-84	**38-996-55**	Viton. Metal Clad.
Expansion Plug Kit		1979-84	**97-0214**	Steel Kit.
		1979-84	**97-0214B**	Brass Kit
LINE 3	**1468cc (1.5L) SOHC 8V G15B (Mitsubishi) Vin K**			**1985-88 L4 BORE - 2.97"/75.5mm**
Valve	Exh	1985-88	**10-10097**	1.181 Head Dia. 0.258 Stem. Round Groove
	Int	1985-88	**10-10098**	1.340 Head Dia. Round Groove
Valve Seat Insert	Int	1985-88	**21-1437-57**	1.100T I.D. 1-7/16 O.D. 0.293 Depth
Guide	Int	1985-88	**30-7578**	1.730 OAL. 0.260 I.D. 0.4755 O.D.
Valve Stem Seal	Both	1985-88	**38-996-55**	Viton. Metal Clad.
Expansion Plug Kit		1985-88	**97-0214**	Steel Kit.
		1985-88	**97-0214B**	Brass Kit.
LINE 4	**1468cc (1.5L) SOHC 12V 4G15 (Mitsubishi)**			**1991-96 L4 BORE - 2.97"/75.5mm**
Valve	Exh	1991-96	**10-10497**	1.299 Head Dia.
Valve Seat Insert	Int	1991-96	**21-1125-52**	0.825T I.D. 1-1/8 O.D. 0.285 Depth, w/ 26mm Valve Head Dia.
Guide	Int	1991-96	**30-7578**	1.730 OAL. 0.260 I.D. 0.4755 O.D.
Valve Stem Seal	Both	1991-96	**38-996-55**	Viton. Metal Clad.
LINE 5	**1595cc (1.6L) DOHC 16V 4G61 (Mitsubishi)**			**1989-90 L4 BORE - 3.24"/82.3mm**
Valve	Exh	1989-90	**10-10128**	1.201 Head Dia.
	Int	1989-90	**10-10126**	1.339 Head Dia.
Valve Seat Insert	Int	1989-90	**21-1437-68**	1.180T I.D. 1-7/16 O.D. 0.255 Depth.
Guide	Exh	1989-90	**30-8194**	1.990 OAL. 0.260 I.D. 0.475 O.D.
	Int	1989-90	**30-8193**	1.795 OAL. 0.260 I.D. 0.475 O.D.
Lifter	Both	1989-90	**36-2274**	Hydraulic. Colt Turbo
Valve Stem Seal	Both	1989-90	**38-996-55**	Viton. Metal Clad.
Expansion Plug Kit		1989-90	**97-31**	Steel Kit.
		1989-90	**97-31B**	Brass Kit.
LINE 6	**1597cc (1.6L) SOHC 8V 4G32 (Mits.)**			**1971-78 L4 BORE - 3.03"/76.9mm**
Valve	Exh	1971-78	**10-10083**	1.220 Head Dia. Square Groove
Valve Seat Insert	Exh	1971-78	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth
	Int	1971-78	**21-1562-50**	1.260T I.D. 1-9/16 O.D. 0.280 Depth
Guide	Exh	1971-78	**30-7577**	1.890 OAL. +2 O/S Avail. Incl. Lock Ring
	Int	1971-78	**30-7576**	1.735 OAL. +2 O/S Avail.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 6	**1597cc (1.6L) SOHC 8V 4G32 (Mits.)**			**1971-78 L4 BORE - 3.03"/76.9mm**
Keeper	Both	1971-78	**34-813**	1 Square Groove. Heat Treated
Lifter	Both	1971-78	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1971-78	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1971-78	**38-938-45**	Viton. Ring And Band.
	Both	1971-78	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1971-78	**97-31**	Steel Kit.
		1971-78	**97-31B**	Brass Kit.
LINE 7	**1597cc (1.6L) SOHC 8V G32B/Z (Mits.)**			**1977-80 L4 BORE - 3.00"/76.9mm**
Valve	Exh	1977-80	**10-10083**	1.220 Head Dia. Square Groove
Valve Seat Insert	Exh	1977-80	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth
	Int	1977-80	**21-1562-50**	1.260T I.D. 1-9/16 O.D. 0.280 Depth
Guide	Exh	1977-80	**30-7577**	1.890 OAL. +2 O/S Avail. Incl. Lock Ring
	Int	1977-80	**30-7576**	1.735 OAL. +2 O/S Avail.
Keeper	Both	1977-80	**34-813**	1 Square Groove. Heat Treated
Lifter	Both	1977-80	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1977-80	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1977-80	**38-938-45**	Viton. Ring And Band.
	Both	1977-80	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1977-80	**97-31**	Steel Kit.
		1977-80	**97-31B**	Brass Kit.
LINE 8	**1597cc (1.6L) SOHC G32B/K (Mitsubishi) 8V**			**1979-88 L4 BORE - 3.03"/76.9mm**
Valve	Exh	1979-83	**10-10083**	1.220 Head Dia. Square Groove
Valve Seat Insert	Exh	1979-88	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth
	Int	1979-88	**21-1562-50**	1.260T I.D. 1-9/16 O.D. 0.280 Depth
Guide	Exh	1979-88	**30-7577**	1.890 OAL. +2 O/S Avail. Incl. Lock Ring
	Int	1979-88	**30-7576**	1.735 OAL. +2 O/S Avail.
Keeper	Both	1984-88	**34-716**	1 Round Groove. Heat Treated
	Both	1979-83	**34-813**	1 Square Groove. Heat Treated
Lifter	Both	1979-88	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1979-88	**38-938-45**	Viton. Ring And Band.
	Both	1979-88	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1979-83	**97-31**	Steel Kit.
		1979-83	**97-31B**	Brass Kit.
LINE 9	**1597cc (1.6L) SOHC Turbo G32B (Mits.) 8V**			**1984-88 L4 BORE - 3.02"/76.9mm**
Valve Seat Insert	Exh	1984-88	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth
	Int	1984-88	**21-1562-50**	1.260T I.D. 1-9/16 O.D. 0.280 Depth
Guide	Exh	1984-88	**30-7577**	1.890 OAL. +2 O/S Avail. Incl. Lock Ring
	Int	1984-88	**30-7576**	1.735 OAL. +2 O/S Avail.
Keeper	Both	1984-88	**34-716**	1 Round Groove. Heat Treated
Lifter	Both	1984-88	**36-6000**	Colt. Hydraulic
Valve Stem Seal	Both	1984-88	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1984-88	**38-938-45**	Viton. Ring And Band.
	Both	1984-88	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1984-88	**97-31**	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 9	1597cc (1.6L) SOHC Turbo G32B (Mits.) 8V			1984-88 L4	BORE - 3.02"/76.9mm
Expansion Plug Kit		1984-88	97-31B	Brass Kit.	
LINE 10	1721cc (1.7L) SOHC 8V Vin A,B (VW)			1978-83 L4	BORE - 3.13"/79.5mm
Valve Seat Insert	Int	1978-83	21-1437-50	1.140T I.D. 1-7/16 O.D. 0.305 Depth	
Guide	Both	1978-83	30-7359	1.435 OAL. 0.4765 O.D.	
Keeper	Both	1978-83	34-619	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1978-83	38-3995-55	Viton. Metal Clad.	
Expansion Plug Kit		1978-83	97-91	Steel Kit.	
		1978-83	97-91B	Brass Kit.	
LINE 11	1755cc (1.8L) SOHC 8V 4G37 (Mitsubishi)			1989-94 L4	BORE - 3.17"/80.6mm
Valve	Exh	1989-94	10-10140	1.339 Head Dia.	
	Int	1989-94	10-10139	1.654 Head Dia.	
Valve Seat Insert	Exh	1989-94	21-1500-75	1.180 I.D. 1-1/2 O.D. 0.300 Depth.	
	Int	1989-94	21-1750-59	1.360T I.D. 1-3/4 O.D. 0.315 Depth	
Guide	Exh	1989-94	30-7577	1.890 OAL. +2 O/S Avail. Incl. Lock Ring	
	Int	1989-94	30-7576	1.735 OAL. +2 O/S Avail.	
Keeper	Both	1989-94	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1989-94	36-6000	Laser. Hydraulic	
Valve Stem Seal	Both	1989-94	38-938-25	Polyacrylic. Ring And Band.	
	Both	1989-94	38-938-45	Viton. Ring And Band.	
	Both	1989-94	38-964-55	Viton. Metal Clad.	
LINE 12	1798cc (1.8L) DOHC 16V Vin C			2007-09 L4	BORE - 3.39"/86.1mm
Valve	Exh	2007-09	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	2007-09	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Both	2007-09	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2007-09	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2007-09	38-6101-55	Viton. Top Hat	
LINE 13	1834cc (1.8L) SOHC 16V 4G93 (Mitsubishi)			1992-96 L4	BORE - 3.19"/81.0mm
Valve	Exh	1992-96	10-10499	1.063 Head Dia. 0.235 Stem	
	Int	1992-96	10-10498	1.181 Head Dia. 0.235 Stem	
Valve Seat Insert	Exh	1992-92	21-1187-51	0.905 I.D. 1-3/16 O.D. 0.257 Depth	
	Exh	1993-96	21-1187-54	0.880 I.D. 1-3/16 O.D. 0.280 Depth	
	Int	1993-96	21-1250-60	1.023T I.D. 1-1/4 O.D. 0.273 Depth	
Guide	Exh	1992-96	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	1992-96	34-719	1 Round Groove. Heat Treated	
Lifter	Both	1992-96	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1992-96	38-553-55	Viton. Metal Clad	
LINE 14	121 C.I. (2.0L) SOHC 8V Vin G,K (Audi)			1977-79 L4	BORE - 3.40"/86.4mm
Valve Seat Insert	Exh	1977-79	21-1437-59	1.180T I.D. 1-7/16 O.D. 0.305 Depth.	
	Int	1977-79	21-1687-52	1.300T I.D. 1-11/16 O.D. 0.360 Depth	
Expansion Plug Kit		1977-79	97-28	Steel Kit.	
		1977-79	97-28B	Brass Kit.	
LINE 15	1995cc (2.0L) SOHC 8V G52 (Mits.)			1974-82 L4	BORE - 3.31"/84.0mm
Valve	Exh	1974-82	10-10064	1.376 Head Dia. Square Groove	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 15	**1995cc (2.0L) SOHC 8V G52 (Mits.)**				**1974-82 L4 BORE - 3.31"/84.0mm**
Valve	Int	1974-82	**10-10065**	1.689 Head Dia. Square Groove	
Valve Seat Insert	Exh	1974-82	**21-1500-62**	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
	Int	1974-82	**21-1750-61**	1.445T I.D. 1-3/4 O.D. 0.310 Depth.	
Guide	Exh	1974-82	**30-7575**	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1974-82	**30-8226**	2.046 OAL. 0.5625 O.D.	
	Int	1974-82	**30-7574**	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1974-82	**30-8225**	1.848 OAL. 0.5625 O.D.	
Spring	Both	1974-82	**32-1125**	1.875 Free Length.	
Keeper	Both	1974-82	**34-813**	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1974-82	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1974-82	**38-938-45**	Viton. Ring And Band.	
	Both	1974-82	**38-964-55**	Viton. Metal Clad.	
Expansion Plug Kit		1974-82	**97-0216**	w/ 28mm Block Plug. Steel Kit.	
		1974-82	**97-0216B**	Brass Kit.	
		1974-82	**97-32**	Steel Kit.	
		1974-82	**97-32B**	Brass Kit.	
LINE 16	**122 C.I. (2.0L) SOHC 16V Vin C,ECB,F,N,9**				**1995-05 L4 BORE - 3.45"/87.5mm**
Valve	Exh	1995-01	**10-1742**	1.130 Head Dia. 1G	
	Exh	2001-05	**10-1992**	1.130 Head Dia. Three Groove	
	Int	1995-01	**10-1741**	1.309 Head Dia. 1G	
	Int	2001-05	**10-1991**	1.309 Head Dia. Three Groove	
Valve Seat Insert	Exh	1995-05	**21-1250-62**	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
	Int	1995-05	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1995-05	**30-8555**	1.835 OAL	
Keeper	Both	2001-05	**34-07050**	3G. OEM #s 4777050AB/AC	
	Both	1995-01	**34-719**	1 Round Groove. Heat Treated	
Lifter	Both	1995-05	**36-7078**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1995-05	**38-20-45**	Viton. Top Hat.	
LINE 17	**122 C.I. (2.0L) DOHC 16V Vin B,Y**				**1995-99 L4 BORE - 3.45"/87.5mm**
Valve	Exh	1995-99	**10-1731**	1.201 Head Dia.	
	Int	1995-99	**10-1730**	1.370 Head Dia.	
Guide	Both	1995-99	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.	
Keeper	Both	1995-99	**34-719**	1 Round Groove. Heat Treated	
Lifter	Both	1995-99	**36-2278**	Hydraulic	
Valve Stem Seal	Both	1995-99	**38-20-45**	Viton. Top Hat.	
LINE 18	**122 C.I. (2.0L) DOHC 16V Vin A ECK**				**2013-16 L4 BORE - 3.46"/88.0mm**
Valve	Exh	2013-16	**10-13402**	1.142 Head Dia.	
	Int	2013-16	**10-13400**	1.417 Head Dia.	
Spring	Both	2013-16	**32-6682**	1.834 Free Length	
Keeper	Both	2013-16	**34-5143**	3 Round Beads. 0.214 Stem	
Lifter	Both	2013-16	**36-7561**	Hydraulic 0.990 OAL	
Valve Stem Seal	Both	2013-16	**38-7001-55**	Viton. Top Hat. 5.5mm x 0.435	
LINE 19	**1997cc (2.0L) SOHC Carb,/F.I. G63B (Mitsubishi) 8V**				**1983-91 L4 BORE - 3.35"/85.0mm**
Valve	Exh	1983-91	**10-10142**	1.378 Head Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 19	**1997cc (2.0L) SOHC Carb,/F.I. G63B (Mitsubishi) 8V**			**1983-91 L4 BORE - 3.35"/85.0mm**
Valve	Int	1983-91	**10-10141**	1.693 Head Dia.
Valve Seat Insert	Exh	1983-91	**21-1500-62**	1.220T I.D. 1-1/2 O.D. 0.310 Depth.
	Int	1983-91	**21-1750-61**	1.445T I.D. 1-3/4 O.D. 0.310 Depth.
Guide	Exh	1983-91	**30-7575**	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring
	Exh	1983-91	**30-8226**	2.046 OAL. 0.5625 O.D.
	Int	1983-91	**30-7574**	1.848 OAL. 0.5145 O.D. +2 O/S Avail.
	Int	1983-91	**30-8225**	1.848 OAL. 0.5625 O.D.
Spring	Both	1983-84	**32-1125**	1.875 Free Length.
	Both	1984-91	**32-1289**	1.960 Free Length.
Keeper	Both	1983-91	**34-716**	1 Round Groove. Heat Treated
Lifter	Both	1983-91	**36-6000**	84-89: Colt Vista. 84-86: Pickup. Hydraulic
Valve Stem Seal	Both	1983-89	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1983-89	**38-938-45**	Viton. Ring And Band.
	Both	1983-91	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1983-89	**97-0226**	Steel Kit.
		1983-89	**97-0226B**	Brass Kit.
LINE 20	**1997cc (2.0L) DOHC 16V 4G63 TRB (Mitsubishi)**			**1990-98 L4 BORE - 3.35"/85.0mm**
Valve	Exh	1990-98	**10-10128**	1.201 Head Dia. Round Groove
	Int	1990-98	**10-10126**	1.339 Head Dia. Round Groove
Valve Seat Insert	Int	1990-92	**21-1437-68**	1.135T I.D. 1-7/16 O.D. 0.316 Depth. Through 4/92.
	Int	1992-98	**21-1437-73**	1.142T I.D. 1-7/16 O.D. 0.336 Depth.
Guide	Exh	1990-98	**30-8194**	1.990 OAL. 0.260 I.D. 0.475 O.D.
	Int	1990-98	**30-8193**	1.795 OAL. 0.260 I.D. 0.475 O.D.
Lifter	Both	1990-98	**36-2274**	Hydraulic
Valve Stem Seal	Both	1990-98	**38-996-55**	Viton. Metal Clad.
Expansion Plug Kit		1990-98	**97-0226**	Steel Kit.
		1990-98	**97-0226B**	Brass Kit.
LINE 21	**122 C.I. (2.0L) DOHC 16V Vin N Hurricane**			**2018-25 L4 BORE - 3.30"/83.8mm**
Keeper	Both	2018-25	**34-5143**	3 Round Beads. 0.214 Stem
Lifter	Both	2018-25	**36-7561**	Hydraulic Lash Adjuster
LINE 22	**122 C.I. (2.0L) DOHC 16V Vin 0,A,B ECN**			**2007-17 L4 BORE - 3.39"/86.0mm**
Valve	Exh	2007-17	**10-13191**	1.148 Head Dia. 0.215 Stem
	Int	2007-17	**10-13190**	1.378 Head Dia. 0.215 Stem
Guide	Both	2007-17	**30-3154**	1.740 OAL. 0.2168 I.D. 0.4358 O.D.
Keeper	Both	2007-17	**34-5008**	1 Round Bead. 0.215 Stem Dia.
Lifter	Both	2013-16	**36-7561**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-17	**38-6101-55**	Viton. Top Hat.
LINE 23	**126 C.I. (2.1L) SOHC 8V Turbo Diesel**			**1984-87 L4 BORE - 3.39"/86.0mm**
Valve Seat Insert	Exh	1984-87	**21-1687-55**	1.340 I.D. 1-11/16 O.D. 0.315 Depth
	Int	1984-87	**21-1437-66**	1.120 I.D. 1-7/16 O.D. 0.300 Depth
LINE 24	**134 C.I. (2.2L) OHV 8V "L" Head AMC**			**1939-65 L4 BORE - 3.13"/79.4mm**
Valve	Exh	1939-65	**10-121**	1.468 Head Dia. Long Groove
	Int	1939-65	**10-122**	1.531 Head Dia. Long Groove

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 24	134 C.I. (2.2L) OHV 8V "L" Head AMC			1939-65 L4	BORE - 3.13"/79.4mm
Valve Seat Insert	Exh	1939-65	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1939-65	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Int	1939-65	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
Guide	Exh	1939-65	30-1342	3.063 OAL	
	Int	1939-65	30-1504	2.750 OAL	
LINE 25	134 C.I. (2.2L) OHV "F" Head AMC 8V			1950-73 L4	BORE - 3.13"/79.4mm
Valve	Exh	1950-73	10-303	1.468 Head Dia. w/o Rotator 1 Groove	
	Int	1950-73	10-302	2.000 Head Dia. Long Groove	
Valve Seat Insert	Exh	1950-73	20-1562-4	1-5/16 I.D. 1-9/16 O.D. 1/4 Depth.	
	Int	1950-73	20-2125-1	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.	
Guide	Exh	1950-73	30-1342	3.063 OAL	
	Int	1950-73	30-1704	2.375 OAL	
Keeper	Exh	1950-73	34-555	1 Square Groove. Heat Treated	
LINE 26	2213cc (2.2L) SOHC 8V Vin A,B,C,D,E,F,P,R			1981-94 L4	BORE - 3.45"/87.5mm
Valve	Exh	1981-85	10-1448	1.394 Head Dia. 4G. 4.442 OAL.	
	Exh	1986-94	10-1552	1.394 Head Dia. 0.312T Stem. 4G.	
	Exh	1986-90	10-1554	1.394 Head Dia. 4G. 4.523 OAL. Turbo	
	Int	1981-85	10-1449	1.598 Head Dia. 0.3127 Stem. 1 Groove. 4.419 OAL.	
	Int	1981-85	10-1449+15	1.598 Head Dia. 0.3677 Stem. 1 Groove. 4.419 OAL.	
	Int	1986-94	10-1553	1.599 Head Dia. Square Groove.	
	Int	1986-90	10-1555	1.598 Head Dia. 1 Groove. 4.499 OAL. Turbo	
Valve Seat Insert	Exh	1981-94	21-1500-63	1.210T I.D. 1-1/2 O.D. 0.345 Depth.	
	Int	1981-94	21-1687-51	1.390T I.D. 1-11/16 O.D. 0.305 Depth.	
Guide	Exh	1981-94	30-7451N	1.693 OAL. 0.4937 O.D. +2 Incl. Lock Ring	
	Exh	1981-94	30-7662	1.693 OAL. w/ 0.502 O.D. Incl. Lock Ring	
	Exh	1981-87	30-8419	1.693 OAL 0.3125 I.D. 0.4934 O.D. w/ Snap Ring	
	Int	1981-94	30-7429N	1.575 OAL. w/ 0.4937 O.D. +2 O/S Avail.	
	Int	1981-94	30-7661	1.575 OAL. w/ 0.502 O.D. Incl. Lock Ring	
Spring	Both	1984-94	32-1246	2.160 Free Length.	
Keeper	Exh	1981-94	34-237	4G	
	Int	1981-94	34-614	Heat Treated. 1 Groove.	
Lifter	Both	1981-94	36-2105	Hydraulic	
Valve Stem Seal	Both	1981-94	38-535-45	Viton. Ring And Band. 5/16 Stem.	
	Both	1981-94	38-6116-45	Viton. All Rubber	
Rocker Component	Both	1981-87	40-2809	Cam Follower, Stamped	
Expansion Plug Kit		1981-94	97-88	Steel Kit.	
		1981-94	97-88B	Brass Kit.	
LINE 27	2213cc (2.2L) DOHC 16V Turbo (Maserati)			1990-93 L4	BORE - 3.45"/87.5mm
Valve	Int	1991-93	10-1802	1.332 Head Dia.	
Guide	Both	1991-93	30-8557	2.300 OAL	
Valve Stem Seal	Both	1991-93	38-535-25	Polyacrylic. Ring And Band.	
	Both	1991-93	38-535-45	Viton. Ring And Band. For 5/16 Stem.	
Expansion Plug Kit		1991-93	97-88	Steel Kit.	
		1991-93	97-88B	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 28	2346cc (2.3L) SOHC 8V D TRB 4D55T (Mitsubishi)			1983-85 L4	BORE - 3.81"/96.8mm
Valve	Exh	5/84-85	10-10416	1.339 Head Dia. Round Groove	
	Int	5/84-85	10-10415	1.575 Head Dia. Round Groove	
Guide	Exh	5/84-85	30-7851	2.920 OAL. OEM # MD050527	
	Int	5/84-85	30-7850	2.800 OAL. OEM # MD050523	
Keeper	Both	5/84-85	34-716	1 Round Groove. Heat Treated	
Valve Stem Seal	Both	1983-85	38-938-25	Polyacrylic. Ring And Band.	
	Both	1983-85	38-938-45	Viton. Ring And Band.	
	Both	1983-85	38-964-55	Viton. Metal Clad.	
LINE 29	2351cc (2.4L) SOHC 8V G64B (Mitsubishi)			1990-93 L4	BORE - 3.40"/86.4mm
Valve	Exh	1990-93	10-10144	1.496 Head Dia. 0.3126 Stem	
	Int	1990-93	10-10143	1.811 Head Dia. 0.3137 Stem	
Valve Seat Insert	Exh	1990-93	21-1625-56	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Int	1990-93	21-1875-51	1.575T I.D, 1-7/8 O.D. 0.317 Depth.	
Guide	Exh	1990-93	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1990-93	30-8226	2.046 OAL. 0.5625 O.D.	
	Int	1990-93	30-7574	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1990-93	30-8225	1.848 OAL. 0.5625 O.D.	
Spring	Both	1990-93	32-1289	1.960 Free Length.	
Keeper	Both	1990-93	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1990-93	36-6000	90-93: Ram 50. 90-92: Colt Vista. Hydraulic	
Valve Stem Seal	Both	1990-93	38-964-55	Viton. Metal Clad.	
LINE 30	2351cc (2.4L) SOHC 16V 4G64 (Mitsubishi) Vin G			1993-05 L4	BORE - 3.40"/86.4mm
Valve	Exh	1993-05	10-10535	1.142 Head Dia. 0.234 Stem	
	Int	1993-05	10-10534	1.299 Head Dia. 0.235 Stem	
Valve Seat Insert	Int	1993-05	21-1375-62	1.100T I.D. 1-3/8 O.D. 0.300 Depth.	
Guide	Exh	1993-05	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	1993-05	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	1993-05	34-719	1 Round Groove. Heat Treated	
Lifter	Both	1993-05	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1993-05	38-553-55	Viton. Metal Clad	
LINE 31	144 C.I. (2.4L) DOHC 16V Vin B,F,J,K,W			2007-20 L4	BORE - 3.46"/88.0mm
Valve	Exh	2007-20	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	2007-20	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Both	2007-20	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2007-20	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2014-20	36-7561	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-20	38-6101-55	Viton. Top Hat	
LINE 32	144 C.I. (2.4L) SOHC 16V Vin B,T,ED6,ED8			2013-23 L4	BORE - 3.46"/87.8mm
Valve	Exh	2013-23	10-13402	1.142 Head Dia. 0.2150 Stem 4.728 OAL	
	Int	2013-23	10-13401	1.417 Head Dia. 0.2154 Stem 4.299 OAL	
Spring	Exh	2013-23	32-6682	1.834 Free Length	
	Int	2013-23	32-6681	1.680 Free Length.	
Keeper	Both	2013-23	34-5143	3 Round Beads. 0.214 Stem	
Lifter	Both	2013-23	36-7561	Hydraulic 0.990 OAL	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 32	144 C.I. (2.4L) SOHC 16V Vin B,T,ED6,ED8			2013-23 L4	BORE - 3.46"/87.8mm
Valve Stem Seal	Both	2013-23	38-7001-55	Viton. Top Hat. 5.5mm x 0.435	
LINE 33	148 C.I. (2.4L) DOHC 16V Vin B,E,G,J,S,X,1,8,9			1995-10 L4	BORE - 3.45"/87.5mm
Valve	Exh	1995-00	10-1731	1.201 Head Dia. 1G	
	Exh	2000-10	10-2009	1.120 Head Dia. Non Turbo. 3G	
	Exh	2003-10	10-2035	1.120 Head Dia. Turbo. 3G	
	Int	1995-00	10-1730	1.370 Head Dia. 1G	
	Int	2000-10	10-2008	1.370 Head Dia. 3G	
Valve Seat Insert	Exh	2000-10	21-1250-63	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
	Exh	1995-99	21-1375-64	1.000 I.D. 1-3/8 O.D. 0.280 Depth.	
	Int	1995-10	21-1500-77	1.175T I.D. 1-1/2 O.D. 0.236 Depth.	
Guide	Both	1995-10	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	1995-10	32-2230	1.905 Free Length.	
Keeper	Both	2000-10	34-07050	3G. 0.234 Stem	
	Both	1995-99	34-719	1 Round Groove. Heat Treated	
Lifter	Both	1995-10	36-2278	Hydraulic	
Valve Stem Seal	Both	1995-10	38-20-45	Viton. Top Hat.	
Expansion Plug Kit		1995-10	97-167	Steel Kit.	
		1995-10	97-167B	Brass Kit.	
LINE 34	150 C.I. (2.5L) OHV 8V AMC Vin E,H,P,U			1983-02 L4	BORE - 3.88"/98.4mm
Valve	Exh	1983-90	10-1478	1.500 Head Dia. 0.3115T Stem. 4.939 OAL. Square Groove.	
	Exh	1983-90	10-1478+15	1.500 Head Dia. 0.3265T Stem. 4.939 OAL. Square Groove.	
	Exh	1983-90	10-1478+3	1.500 Head Dia. 0.3145T Stem. 4.939 OAL. Square Groove.	
	Exh	1983-99	10-1556	1.500 Head Dia. 0.3115T Stem. 4.940 OAL. 1 Round Groove.	
	Exh	1983-89	10-1556+15	1.500 Head Dia. 0.3265T Stem. 4.940 OAL. 1 Round Groove.	
	Exh	1983-89	10-1556+3	1.500 Head Dia. 0.3145T Stem. 4.940 OAL. 1 Round Groove.	
	Exh	1983-89	10-1556+30	1.500 Head Dia. 0.3145T Stem. 4.940 OAL. 1 Round Groove.	
	Exh	2000-02	10-1917	1.500 Head Dia. 0.3108 Stem. 4.939 OAL. 3G.	
	Exh	2000-02	10-1917+15	1.500 Head Dia. 0.3258 Stem. 4.939 OAL. 3G.	
	Exh	2000-02	10-1917+3	1.500 Head Dia. 0.3138 Stem. 4.939 OAL. 3G.	
	Int	1983-90	10-1479	1.910 Head Dia. 0.3115 Stem. 4.912 OAL. Square Groove.	
	Int	1983-90	10-1479+3	1.910 Head Dia. 0.3145 Stem. 4.912 OAL. Square Groove.	
	Int	1983-99	10-1557	1.910 Head Dia. 0.3115 Stem. 4.912 OAL. 1 Round Groove.	
	Int	1983-99	10-1557+15	1.910 Head Dia. 0.3265 Stem. 4.912 OAL. 1 Round Groove.	
	Int	1983-89	10-1557+3	1.910 Head Dia. 0.3145 Stem. 4.912 OAL. 1 Round Groove.	
	Int	1983-89	10-1557+30	1.910 Head Dia. 0.3415 Stem. 4.912 OAL. 1 Round Groove.	
	Int	2000-02	10-1916	1.910 Head Dia. 0.311 Stem. 4.911 OAL. 3G.	
	Int	2000-02	10-1916+15	1.910 Head Dia. 0.326 Stem. 4.911 OAL. 3G.	
	Int	2000-02	10-1916+3	1.910 Head Dia. 0.314 Stem. 4.911 OAL. 3G.	
Valve Seat Insert	Exh	1983-02	20-1562-36	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth.	
	Int	1983-02	20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.	
	Int	1983-02	20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
Guide	Exh	1983-02	30-8494	2.436 OAL. w/ Seal Boss	
	Exh	1983-98	30-9848	2.430 OAL. Conversion	
	Int	1983-02	30-7847	2.250 OAL	
Spring	Both	1983-96	32-1242	1.820 Free Length. 83-87, 88 Eagle.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 34	**150 C.I. (2.5L) OHV 8V AMC Vin E,H,P,U**			**1983-02 L4 BORE - 3.88"/98.4mm**
Spring	Both	1988-97	**32-1278**	1.967 Free Length. Conical. 88: Jeep. 89-97: All.
	Both	1996-02	**32-2225**	1.890 Free Length.
Keeper	Both	1983-99	**34-217**	0.311 Stem Dia. 1 Round Groove. Heat Treated
	Both	1983-90	**34-614**	Heat Treated. 1 Groove.
	Both	2000-02	**34-619**	3 Round Beads. 0.313 Stem Dia.
Lifter	Both	1983-02	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1983-02	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.
	Exh	1999-02	**38-802-45**	Viton. Metal Clad. For 5/16 Stem
	Int	1983-98	**38-535-25**	Polyacrylic. Ring And Band.
Rocker Component	Both	1988-98	**40-2740**	Rocker Arm, Stamped. '88-89 Eagle, '97-98 Jeep.
Rocker Kit	Both	1983-02	**41-2551-2**	Rocker Kit
Expansion Plug Kit		1983-02	**97-129**	Steel Kit.
		1983-02	**97-129B**	Brass Kit.
LINE 35	**151 C.I. (2.5L) OHV 8V Vin B (GM)**			**1980-84 L4 BORE - 4.00"/101.6mm**
Valve	Exh	1980-84	**10-1437**	1.500 Head. 0.3415 Stem. 4.620 OAL. 2 Sq. Grooves.
	Exh	1980-84	**10-1437+15**	1.500 Head. 0.3565 Stem. 4.620 OAL. 2 Sq. Grooves.
	Exh	1980-84	**10-1437+30**	1.500 Head. 0.3715 Stem. 4.620 OAL. 2 Sq. Grooves.
	Int	1980-84	**10-1438**	1.720 Head Dia. 0.3421 Stem. 4.665 OAL. 2 Sq. Groove
	Int	1980-84	**10-1438+15**	1.720 Head Dia. 0.3571 Stem. 4.665 OAL. 2 Sq. Groove
	Int	1980-84	**10-1438+30**	1.720 Head Dia. 0.3451 Stem. 4.665 OAL. 2 Sq. Groove
Valve Seat Insert	Exh	1980-84	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.
	Int	1980-84	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Int	1980-84	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
Guide	Both	1980-84	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1980-84	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1980-84	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1980-84	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1980-84	**36-6005**	Hydraulic
Valve Stem Seal	Both	1980-84	**38-240-25**	Polyacrylic. O-Ring.
	Both	1980-84	**38-450-15**	Nitrile. Umbrella.
	Both	1980-83	**38-450-25**	Polyacrylic. Umbrella.
	Both	1980-83	**38-450-45**	Viton. Umbrella.
	Both	1980-84	**38-925-25**	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.
Push Rod	Both	1980-84	**74-6347**	8.976 Length
Expansion Plug Kit		1980-84	**97-74**	Steel Kit.
		1980-84	**97-74B**	Brass Kit.
LINE 36	**2497cc (2.5L) SOHC 24V 6G73 (Mitsubishi) Vin H, N**			**1995-00 V6 BORE - 3.29"/83.5mm**
Valve	Exh	1995-00	**10-10535**	1.142 Head Dia.
	Int	1995-00	**10-10534**	1.299 Head Dia. 0.235 Stem
Valve Seat Insert	Int	1995-00	**21-1375-62**	1.100T I.D. 1-3/8 O.D. 0.300 Depth.
Guide	Exh	1995-00	**30-8571**	1.990 OAL. 0.436 O.D. 0.236 I.D.
	Int	1995-00	**30-8554**	1.790 OAL. 0.436 O.D. 0.236 I.D.
Keeper	Both	1995-00	**34-719**	1 Round Groove. Heat Treated
Lifter	Both	1995-00	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1995-00	**38-998-45**	Viton. Metal Clad. 0.236 Stem.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 36	2497cc (2.5L) SOHC 24V 6G73 (Mitsubishi) Vin H, N			1995-00 V6 BORE - 3.29"/83.5mm
Valve Stem Seal	Int	1995-00	38-553-55	Viton. Metal Clad
LINE 37	153 C.I. (2.5L) SOHC 8V Vin G,K,V			1986-95 L4 BORE - 3.45"/87.5mm
Valve	Exh	1986-95	10-1552	1.394 Head Dia. 0.312T Stem. 4G.
	Int	1986-95	10-1553	1.599 Head Dia. Square Groove.
Valve Seat Insert	Exh	1986-95	21-1500-63	1.210T I.D. 1-1/2 O.D. 0.345 Depth.
	Int	1986-95	21-1687-51	1.390T I.D. 1-11/16 O.D. 0.305 Depth.
Guide	Exh	1986-95	30-7451N	1.693 OAL. 0.4937 O.D. +2 Incl. Lock Ring
	Exh	1986-95	30-7662	1.693 OAL. w/ 0.502 O.D. Incl. Lock Ring
	Exh	1986-95	30-8419	1.693 OAL 0.3125 I.D. 0.4934 O.D. W/ Snap Ring,
	Int	1986-95	30-7429N	w/ 0.4937 O.D. 1.575 OAL +2 O/S Avail.
	Int	1986-95	30-7661	1.575 OAL. w/ 0.502 O.D. Incl. Lock Ring
Spring	Both	1986-95	32-1246	2.160 Free Length.
Keeper	Exh	1986-95	34-237	4G
	Int	1986-95	34-614	Heat Treated. 1 Groove.
Lifter	Both	1986-95	36-2105	Hydraulic
Valve Stem Seal	Both	1986-95	38-535-45	Viton. Ring And Band. For 5/16 Stem.
	Both	1986-95	38-6116-45	Viton. All Rubber
	Int	1986-95	38-535-25	Polyacrylic. Ring And Band.
Rocker Component	Both	1986-87	40-2809	Cam Follower, Stamped
Expansion Plug Kit		1986-95	97-88	Steel Kit.
		1986-95	97-88B	Brass Kit.
LINE 38	153 C.I. (2.5L) SOHC 8V TRB Vin J			1989-92 L4 BORE - 3.45"/87.5mm
Valve	Exh	1989-92	10-1554	1.394 Head Dia. 4G. 4.523 OAL
	Int	1989-92	10-1555	1.598 Head Dia. Square Groove
Valve Seat Insert	Exh	1989-92	21-1500-63	1.210T I.D. 1-1/2 O.D. 0.345 Depth.
	Int	1989-92	21-1687-51	1.390T I.D. 1-11/16 O.D. 0.305 Depth.
Guide	Exh	1989-92	30-7451N	1.693 OAL. 0.4937 O.D. +2 Incl. Lock Ring
	Exh	1989-92	30-7662	1.693 OAL. w/ 0.502 O.D. Incl. Lock Ring
	Exh	1989-92	30-8419	1.693 OAL 0.3125 I.D. 0.4934 O.D. W/ Snap Ring,
	Int	1989-92	30-7429N	w/ 0.4937 O.D. 1.575 OAL +2 O/S Avail.
	Int	1989-92	30-7661	1.575 OAL. w/ 0.502 O.D. Incl. Lock Ring
Spring	Both	1989-92	32-1246	2.160 Free Length.
Keeper	Exh	1989-92	34-237	4G
	Int	1989-92	34-614	Heat Treated. 1 Groove.
Lifter	Both	1989-92	36-2105	Hydraulic
Valve Stem Seal	Both	1989-92	38-535-25	Polyacrylic. Ring And Band.
	Both	1989-92	38-535-45	Viton. Ring And Band. For 5/16 Stem.
Expansion Plug Kit		1989-92	97-88	Steel Kit.
		1989-92	97-88B	Brass Kit.
LINE 39	2555cc (2.6L) SOHC 8V G54B TRB (Mitsubishi)			1978-89 L4 BORE - 3.58"/91.0mm
Valve	Exh	1978-80	10-10064	1.376 Head Dia. Square Groove
	Exh	1981-84	10-10091S	1.495 Head Dia. Square Groove
	Exh	1984-89	10-10146	1.493 Head Dia. Round Groove.
	Exh	1984-89	10-10146S	1.493 Head Dia. Round Groove. Turbo

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 39	2555cc (2.6L) SOHC 8V G54B TRB (Mitsubishi)			1978-89 L4	BORE - 3.58"/91.0mm
Valve	Int	1978-80	10-10065	1.689 Head Dia. Square Groove	
	Int	1981-84	10-10092	1.810 Head Dia. Square Groove	
	Int	1984-89	10-10145	1.810 Head Dia. Round Groove.	
Valve Seat Insert	Exh	1978-80	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
	Exh	1981-89	21-1625-56	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Int	1978-80	21-1750-61	1.445T I.D. 1-3/4 O.D. 0.310 Depth.	
	Int	1981-89	21-1875-51	1.575T I.D, 1-7/8 O.D. 0.317 Depth.	
Guide	Exh	1978-89	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1979-89	30-8226	2.046 OAL. 0.5645 O.D.	
	Int	1978-89	30-7574	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1979-89	30-8225	1.848 OAL. 0.5645 O.D.	
Spring	Both	1981-84	32-1125	1.875 Free Length. To 4/84	
	Both	1984-89	32-1289	1.960 Free Length. From 5/84	
Keeper	Both	1984-89	34-716	1 Round Groove. Heat Treated	
	Both	1978-84	34-813	1 Square Groove. Heat Treated	
Lifter	Both	1984-89	36-6000	Hydraulic	
Valve Stem Seal	Both	1978-87	38-938-25	Polyacrylic. Ring And Band.	
	Both	1978-87	38-938-45	Viton. Ring And Band.	
	Both	1978-89	38-964-55	Viton. Metal Clad.	
Expansion Plug Kit		1978-89	97-0216	Steel Kit.	
		1978-89	97-0216B	Brass Kit.	
LINE 40	2687cc (2.7L) DOHC 20V Diesel Vin 1,2,4 (Mercedes)			2003-06 L5	BORE - 3.46"/88.0mm
Valve	Exh	2004-06	10-13074	1.032 Head Dia. 0.274 Stem. 4.114 OAL. OEM # A6280530005	
	Exh	2003-03	10-2235	1.120 Head Dia.	
	Int	2004-06	10-13073	1.130 Head Dia. 0.274 Stem. 4.095 OAL. OEM # A6280530001	
	Int	2003-03	10-2234	1.189 Head Dia.	
Valve Seat Insert	Exh	2003-03	22-1175-1	0.945T I.D. 1.1755 O.D. 0.221 Depth. OEM # A6110530032	
	Int	2003-03	22-1218-1	1.020T I.D. 1.218 O.D. 0.221 Depth. OEM # 5080042AA	
Guide	Both	2003-06	30-3255	1.476 OAL. 0.275 I.D. 0.4940 O.D. OEM # A6110530329	
Keeper	Both	2003-06	34-5026	1 Round Bead	
Valve Stem Seal	Both	2003-06	38-5080-55	Viton. Metal Clad.	
LINE 41	167 C.I. (2.7L) DOHC 24V Vin D,R,T,U			1998-10 V6	BORE - 3.39"/86.0mm
Valve	Exh	1998-10	10-1921	1.094 Head Dia.	
	Int	1998-10	10-1920	1.331 Head Dia.	
Guide	Both	1998-10	30-3019	1.615 OAL	
Spring	Both	1998-10	32-2215	1.800 Free Length.	
Keeper	Both	1998-10	34-03722	3 Round Beads. 0.234 Stem	
Lifter	Both	1998-10	36-2297	Hydraulic	
Valve Stem Seal	Both	1998-10	38-20-45	Viton. Top Hat.	
Rocker Component	Both	1998-10	40-2703	Rocker Arm, Cam Follower	
Expansion Plug Kit		1998-10	97-164	Steel Kit.	
		1998-10	97-164B	Brass Kit.	
LINE 42	170 C.I. (2.8L) OHV 12V			1960-69 L6	BORE - 3.41"/86.4mm
Valve	Exh	1960-69	10-1265	1.360 Head Dia. 0.3715 Stem. 4.796 OAL. 4G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 42	170 C.I. (2.8L) OHV 12V			1960-69 L6 BORE - 3.41"/86.4mm
Valve	Exh	1960-69	10-1265+30	1.360 Head Dia. 0.4015 Stem. 4.796 OAL. 4G.
	Exh	1960-69	10-1265+5	1.360 Head Dia. 0.3765 Stem. 4.796 OAL. 4G.
	Int	1960-69	10-567	1.620 Head Dia. 0.3725 Stem. 4.774 OAL. 2G.
	Int	1960-69	10-567+15	1.620 Head Dia. 0.3875 Stem. 4.774 OAL. 2G.
	Int	1960-69	10-567+30	1.620 Head Dia. 0.4025 Stem. 4.774 OAL. 2G.
	Int	1960-69	10-567+5	1.620 Head Dia. 0.3775 Stem. 4.774 OAL. 2G.
Valve Seat Insert	Exh	1960-69	20-1437-1	1-1/4 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1960-69	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Exh	1960-69	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1960-69	30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
Spring	Both	1960-69	32-672	2.000 Free Length. 1.404 O.D.
Keeper	Exh	1960-69	34-766	4G. Heat Treated
	Int	1960-69	34-746	2 Round Beads. OEM # 381875.
Lifter	Both	1960-69	36-2084	Mechanical High Performance
Valve Stem Seal	Both	1960-69	38-253-45	Viton. Umbrella.
	Both	1960-69	38-780-25	Polyacrylic. Umbrella.
Expansion Plug Kit		1960-69	97-13	Steel Kit.
		1960-69	97-13B	Brass Kit.
LINE 43	173 C.I. (2.8L) OHV 12V Vin W (GM)			1984-86 V6 BORE - 3.50"/88.9mm
Valve	Exh	1984-86	10-1394	1.307 Head Dia. 0.3413 Stem Dia. 4.730 OAL
	Exh	1984-86	10-1394+15	1.307 Head Dia. 0.3563 Stem Dia. 4.730 OAL
	Exh	1984-86	10-1394+3	1.307 Head Dia. 0.3443 Stem Dia. 4.730 OAL
	Exh	1984-86	10-1394+30	1.307 Head Dia. 0.3713 Stem Dia. 4.730 OAL
	Int	1984-86	10-1395	1.600 Head Dia. 0.3413 Stem Dia. 4.700 OAL
	Int	1984-86	10-1395+15	1.600 Head Dia. 0.3563 Stem Dia. 4.700 OAL
	Int	1984-86	10-1395+3	1.600 Head Dia. 0.3443 Stem Dia. 4.700 OAL
	Int	1984-86	10-1395+30	1.600 Head Dia. 0.3713 Stem Dia. 4.700 OAL
Valve Seat Insert	Exh	1984-86	20-1437-3	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1984-86	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Both	1984-86	30-7560	2.000 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1984-86	30-9560	2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
Keeper	Both	1984-86	34-555	1 Square Groove. Heat Treated
Lifter	Both	1984-86	36-2095	Hydraulic
Valve Stem Seal	Both	1984-86	38-938-25	Polyacrylic. Ring And Band.
	Both	1984-86	38-938-45	Viton. Ring And Band.
Rocker Kit	Both	1984-86	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball
Rocker Component	Both	1984-86	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut
Push Rod	Both	1984-86	74-6342	6.163 Length
Expansion Plug Kit		1984-86	97-75	Steel Kit.
		1984-86	97-75B	Brass Kit.
LINE 44	2972cc (3.0L) SOHC 12V 6G72 Vin 3,H,S (Mitsubishi)			1987-00 V6 BORE - 3.58"/91.0mm
Valve	Exh	1987-00	10-10148	1.378 Head Dia. 0.030 Shorter Than OEM.
	Exh	1987-00	10-10625	1.378 Head Dia. OEM Length
	Int	1987-00	10-10147	1.693 Head Dia. 0.030 Shorter Than OEM.
	Int	1987-00	10-10624	1.693 Head Dia. OEM Length

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 44	**2972cc (3.0L) SOHC 12V 6G72 Vin 3,H,S (Mitsubishi)**			**1987-00 V6 BORE - 3.58"/91.0mm**
Valve Seat Insert	Exh	1987-00	**21-1562-69**	1.219 I.D. 1-9/16 O.D. 0.317 Depth.
	Int	1987-00	**21-1750-61**	1.445T I.D. 1-3/4 O.D. 0.310 Depth.
Guide	Exh	1987-00	**30-7577**	1.890 OAL. +2 O/S Avail. Incl. Lock Ring
	Int	1987-00	**30-7576**	1.735 OAL. +2 O/S Avail.
Spring	Both	1987-00	**32-1289**	1.960 Free Length.
Keeper	Both	1987-00	**34-716**	1 Round Groove. Heat Treated
Lifter	Both	1987-00	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1987-00	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1987-92	**97-127**	Steel Kit.
		1987-92	**97-127B**	Brass Kit.
		1992-00	**97-155**	Steel Kit.
		1992-00	**97-155B**	Brass Kit.
LINE 45	**2972cc (3.0L) DOHC 24V 6G72/T Vin BCJK (Mitsubishi)**			**1991-96 V6 BORE - 3.58"/91.0mm**
Valve	Exh	1991-96	**10-10501**	1.199 Head Dia. 0.2576 Stem
	Int	1991-96	**10-10500**	1.380 Head Dia. 0.2588 Stem
Valve Seat Insert	Int	1991-96	**21-1437-59**	1.180T I.D. 1-7/16 O.D. 0.305 Depth.
Guide	Exh	1991-96	**30-8194**	1.990 OAL. 0.260 I.D. 0.475 O.D.
	Int	1991-96	**30-8193**	1.795 OAL. 0.260 I.D. 0.475 O.D.
Keeper	Both	1991-96	**34-716**	1 Round Groove. Heat Treated
Lifter	Both	1991-96	**36-2274**	Hydraulic
Valve Stem Seal	Both	1991-96	**38-964-55**	Viton. Metal Clad.
	Both	1991-96	**38-996-55**	Viton. Metal Clad
Expansion Plug Kit		1991-96	**97-155**	Steel Kit.
		1991-96	**97-155B**	Brass Kit.
LINE 46	**2972cc (3.0L) SOHC 24V 6G72 Vin H (Mitsubishi)**			**2001-05 V6 BORE - 3.58"/91.0mm**
Valve	Exh	2001-05	**10-10535**	1.142 Head Dia.
	Int	2001-05	**10-10534**	1.299 Head Dia. 0.235 Stem
Valve Seat Insert	Int	2001-05	**21-1375-62**	1.100T I.D. 1-3/8 O.D. 0.300 Depth.
Guide	Exh	2001-05	**30-8571**	1.990 OAL. 0.436 O.D. 0.236 I.D.
	Int	2001-05	**30-8554**	1.790 OAL. 0.436 O.D. 0.236 I.D.
Keeper	Both	2001-05	**34-716**	1 Round Groove. Heat Treated
Lifter	Both	2001-05	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2001-05	**38-553-55**	Viton. Metal Clad
	Both	2001-05	**38-998-45**	Viton. Metal Clad.
LINE 47	**2987cc (3.0L) DOHC 24V D OM642 (Mercedes)**			**2007-09 V6 BORE - 3.27"/83.0mm**
Valve	Exh	2007-09	**10-13357**	1.000 Head Dia. 0.2346 Stem
	Int	2007-09	**10-13356**	1.122 Head Dia. 0.2349 Stem
Keeper	Both	2007-09	**34-5021**	3 Round Beads. 0.236 Stem Dia.
Lifter	Both	2007-09	**36-7561**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-09	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.
LINE 48	**182 C.I. (3.0L) DOHC 24V D TRB Vin M**			**2014-23 V6 BORE - 3.27"/83.0mm**
Valve	Exh	2014-19	**10-13503S**	0.961 Head Dia.
	Exh	2020-23	**10-13507S**	0.965 Head Dia.
	Int	2014-19	**10-13502**	1.096 Head Dia.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 48	**182 C.I. (3.0L) DOHC 24V D TRB Vin M**			**2014-23 V6**	**BORE - 3.27"/83.0mm**
Valve	Int	2020-23	**10-13506**	1.102 Head Dia.	
Valve Seat Insert	Exh	2014-19	**22-1028-1**	0.865T I.D. 1.028 O.D. 0.2510 Depth.	
	Int	2014-19	**22-1166-1**	0.975 I.D. 1.166 O.D. 0.2510 Depth.	
Guide	Both	2014-23	**30-3220**	1.520 OAL. 0.3950 O.D. 0.1973 I.D.	
Spring	Both	2014-19	**32-6722**	1.736 Free Length.	
Keeper	Both	2014-23	**34-5144**	3 Round Beads. 0.196 Stem	
Lifter	Both	2014-23	**36-7092**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2014-19	**38-9525-55**	Viton. Top Hat.	
	Both	2020-23	**38-9526-55**	Viton. Top Hat.	
LINE 49	**196 C.I. (3.2L) OHV 12V AMC**			**1958-65 L6**	**BORE - 3.13"/79.5mm**
Guide	Exh	1961-62	**30-5606**	2.375 OAL. Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1962-64	**30-7459**	2.375 OAL. Plain 0.3430 I.D. 0.5020 O.D. Conversion Guide	
	Exh	1962-64	**30-9459**	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.	
	Exh	1961-62	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int	1958-65	**30-6867**	2.125 OAL. Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1958-65	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
LINE 50	**197 C.I. (3.2L) SOHC 24V Vin J**			**1998-01 V6**	**BORE - 3.62"/91.9mm**
Valve	Exh	1998-01	**10-1713**	1.142 Head Dia. 0.272 Stem	
	Int	1998-01	**10-1901**	1.437 Head Dia. 0.273 Stem	
Guide	Exh	1998-01	**30-8547**	2.160 OAL. 0.4545 O.D. 0.276 I.D.	
	Int	1998-01	**30-8548**	2.040 OAL. 0.4545 O.D. 0.275 I.D.	
Keeper	Both	1998-01	**34-06513**	3 Round Beads. 0.273 Stem Dia.	
Lifter	Both	1998-01	**36-7078**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1998-01	**38-20-45**	Viton. Top Hat.	
LINE 51	**198 C.I. (3.2L) DOHC 24V Vin X**			**2014-22 V6**	**BORE - 3.58"/90.9mm**
Valve	Exh	2014-22	**10-13264**	1.181 Head Dia. 0.2347 Stem 4.551 OAL	
Guide	Both	2014-22	**30-3182**	1.815 OAL. 0.2365 I.D. 0.4355 O.D.	
Spring	Both	2014-22	**32-6656**	2.055 Free Length 1.002T O.D. 0.686T I.D.	
Keeper	Both	2014-22	**34-03722**	3 Round Beads. 0.234 Stem	
Lifter	Both	2014-22	**36-7561**	Hydraulic 0.990 OAL	
Valve Stem Seal	Both	2014-22	**38-9675-45**	Viton. Metal Clad. 0.236 x 0.347	
Rocker Component	Both	2014-22	**40-9123**	Rocker Arm	
Retainer	Both	2014-22	**55-7719**	0.470 O.D. 0.235 Stem	
LINE 52	**198 C.I. (3.2L) OHV 12V Vin A,B**			**1970-74 L6**	**BORE - 3.40"/86.4mm**
Valve	Exh	1970-74	**10-1265**	1.360 Head Dia. 0.3715 Stem. 4.796 OAL. 4G.	
	Exh	1970-74	**10-1265+30**	1.360 Head Dia. 0.4015 Stem. 4.796 OAL. 4G.	
	Exh	1970-74	**10-1265+5**	1.360 Head Dia. 0.3765 Stem. 4.796 OAL. 4G.	
	Int	1970-74	**10-567**	1.620 Head Dia. 0.3725 Stem. 4.774 OAL. 2G.	
	Int	1970-74	**10-567+15**	1.620 Head Dia. 0.3875 Stem. 4.774 OAL. 2G.	
	Int	1970-74	**10-567+30**	1.620 Head Dia. 0.4025 Stem. 4.774 OAL. 2G.	
	Int	1970-74	**10-567+5**	1.620 Head Dia. 0.3775 Stem. 4.774 OAL. 2G.	
Valve Seat Insert	Exh	1970-74	**20-1437-1**	1-1/4 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1970-74	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.	
Guide	Exh	1970-74	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 52	**198 C.I. (3.2L) OHV 12V Vin A,B**			**1970-74 L6 BORE - 3.40"/86.4mm**
Guide	Int	1970-74	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
Keeper	Exh	1970-74	**34-766**	4G. Heat Treated
	Int	1970-74	**34-746**	2 Round Beads. OEM # 381875.
Lifter	Both	1970-74	**36-2084**	Mechanical High Performance
Valve Stem Seal	Both	1970-74	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1970-74	**38-535-25**	Polyacrylic. Ring And Band.
	Both	1970-74	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.
	Both	1970-74	**38-780-25**	Polyacrylic. Umbrella.
	Both	1970-74	**38-928-25**	Polyacrylic. Umbrella.
Expansion Plug Kit		1970-74	**97-13**	Steel Kit.
		1970-74	**97-13B**	Brass Kit.
LINE 53	**199 C.I. (3.3L) OHV 12V AMC**			**1965-70 L6 BORE - 3.75"/95.3mm**
Valve	Exh	1967-70	**10-1441**	1.406 Head Dia. 0.372T Stem. 4.892 OAL. 1G.
	Exh	1965-66	**10-549**	1.406 Head Dia. 0.3720T Stem. 4G. 0.0875 Tip to Groove.
	Int	1967-70	**10-1442**	1.787 Head Dia. 0.372 Stem. 4.899 OAL. 1G.
Valve Seat Insert	Exh	1965-70	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Int	1965-70	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth
Guide	Both	1965-70	**30-6108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Both	1965-70	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Keeper	Both	1967-70	**34-613**	1 Groove. Heat Treated
	Both	1965-66	**34-766**	4G. Heat Treated
Lifter	Both	1965-70	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1965-70	**38-910-25**	Polyacrylic. Umbrella.
	Both	1965-70	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1965-70	**38-938-45**	Viton. Ring And Band.
Expansion Plug Kit		1965-70	**97-1**	Steel Kit.
		1965-70	**97-1B**	Brass Kit.
LINE 54	**201 C.I. (3.3L) OHV 12V Vin 3,E,G,H,R,S,T,U**			**1990-10 V6 BORE - 3.66"/93.0mm**
Valve	Exh	1990-97	**10-1670**	1.476 Head Dia. 4 Groove
	Exh	1998-00	**10-1905**	1.476 Head Dia. 4G
	Exh	2001-10	**10-1994**	1.398 Head Dia. 0.272 Stem. 4G
	Int	1990-97	**10-1671**	1.791 Head Dia. 2 Groove
	Int	1994-97	**10-1870**	1.791 Head Dia. 2 Groove w/ Flex Fuel
	Int	1998-00	**10-1904**	1.791 Head Dia. 2G
	Int	2001-10	**10-1993**	1.890 Head Dia. 0.273 Stem. 4G
Valve Seat Insert	Exh	2001-10	**21-1500-71**	1.240 I.D. 1-1/2 O.D. 0.317 Depth.
	Exh	1990-00	**21-1562-74**	1.290T I.D. 1-9/16 O.D. 0.324 Depth.
	Int	2001-10	**21-1937-55**	1.640T I.D. 1-15/16 O.D. 0.290 Depth
Guide	Both	2001-10	**30-3023**	2.275 OAL. Use w/ 0.275 Stem Valves
	Both	1990-00	**30-8219**	2.275 OAL
Spring	Both	1990-00	**32-1282**	1.909 Free Length.
Keeper	Both	2001-10	**34-01030**	4G. 0.275 Stem
	Exh	1990-00	**34-237**	4G
Lifter	Both	1990-08	**36-2269**	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install
	Both	2008-10	**36-2332**	Hydraulic Roller. 0.842 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 54	201 C.I. (3.3L) OHV 12V Vin 3,E,G,H,R,S,T,U			1990-10 V6	BORE - 3.66"/93.0mm
Valve Stem Seal	Both	2001-10	38-226-45	Viton. All Rubber	
	Both	1990-00	38-535-25	Polyacrylic. Ring And Band.	
	Both	1990-00	38-535-45	Viton. Ring And Band. For 5/16 Stem.	
Rocker Component	Both	1990-00	40-2758	Rocker Arm	
Retainer	Both	2001-10	55-7705	Retainer. 0.910 O.D. 0.273 Stem	
Push Rod	Both	1990-00	74-6435	5.125 Length	
Expansion Plug Kit		1990-09	97-105	Steel Kit.	
		1990-09	97-105B	Brass Kit.	
LINE 55	215 C.I. (3.5L) SOHC 24V Vin F,G,K,M,V,4			1993-10 V6	BORE - 3.78"/96.0mm
Valve	Exh	1993-10	10-1713	1.142 Head Dia. 0.272 Stem	
	Int	1993-97	10-1712	1.378 Head Dia. 0.2733 Stem. 4.516 OAL	
	Int	1993-97	10-1712+15	1.378 Head Dia. 0.2883 Stem. 4.516 OAL	
	Int	1998-10	10-1901	1.437 Head Dia. 0.273 Stem	
Guide	Exh	1993-10	30-8547	2.160 OAL. 0.4545 O.D. 0.276 I.D.	
	Int	1993-10	30-8548	2.040 OAL. 0.4545 O.D. 0.275 I.D.	
Keeper	Both	1993-10	34-06513	3 Round Beads. 0.273 Stem Dia.	
Lifter	Both	1993-10	36-7078	Hydraulic	
Valve Stem Seal	Both	1993-10	38-20-45	Viton. Top Hat.	
Expansion Plug Kit		1993-94	97-124	Steel Kit.	
		1993-94	97-124B	Brass Kit.	
		1995-10	97-125	Steel Kit.	
		1995-10	97-125B	Brass Kit.	
LINE 56	218 C.I. (3.6L) L-Head 12V			1949-54 L6	BORE - 3.25"/82.6mm
Valve	Exh	1949-54	10-185	1.407 Head Dia.	
	Int	1949-54	10-349	1.531 Head Dia. 0.3405 Stem. 4.845 OAL.	
	Int	1949-54	10-349+15	1.531 Head Dia. 0.3555 Stem. 4.845 OAL.	
Valve Seat Insert	Int	1949-54	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Exh	1949-54	22-1516-1	1-1/4 I.D. 1.516 O.D. 1/4 Depth	
Guide	Exh	1949-54	30-1337	2.813 OAL. 0.3445 I.D. 0.6575 O.D.	
	Int	1949-54	30-1338	2.813 OAL	
LINE 57	220 C.I. (3.6L) DOHC 24V Vin 7,G Pentastar PHEV			2011-25 V6	BORE - 3.78"/96.0mm
Valve	Exh	2011-23	10-13264	1.181 Head Dia. 0.2347 Stem. 4.551 OAL	
	Exh	2016-25	10-13462	1.181 Head Dia. 0.2347 Stem. 4.396 OAL	
	Int	2011-23	10-13263	1.535 Head Dia. 0.235 Stem. 5.530 OAL	
	Int	2016-25	10-13461	1.535 Head Dia. 0.235 Stem. 4.311 OAL	
Guide	Both	2011-24	30-3182	1.815 OAL. 0.2365 I.D. 0.4355 O.D.	
Spring	Both	2011-25	32-6656	2.055 Free Length 1.002T O.D. 0.686T I.D.	
Keeper	Both	2011-25	34-03722	3 Round Beads. 0.234 Stem	
Lifter	Both	2011-23	36-7561	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2011-24	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
Rocker Component	Exh	2011-24	40-9123	Rocker Arm	
Retainer	Both	2011-24	55-7719	0.470 O.D. 0.235 Stem	
LINE 58	225 C.I. (3.7L) OHV 12V Vin 6,B-F, H,J,M,N,W,X			1960-87 L6	BORE - 3.40"/86.4mm
Valve	Exh	1960-87	10-1265	1.360 Head Dia. 0.3715 Stem. 4.796 OAL. 4G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 58	225 C.I. (3.7L) OHV 12V Vin 6,B-F, H,J,M,N,W,X			1960-87 L6 BORE - 3.40"/86.4mm
Valve	Exh	1960-87	**10-1265+30**	1.360 Head Dia. 0.4015 Stem. 4.796 OAL. 4G.
	Exh	1960-87	**10-1265+5**	1.360 Head Dia. 0.3765 Stem. 4.796 OAL. 4G.
	Int	1960-87	**10-567**	1.620 Head Dia. 0.3725 Stem. 4.774 OAL. 2G.
	Int	1960-87	**10-567+15**	1.620 Head Dia. 0.3875 Stem. 4.774 OAL. 2G.
	Int	1960-87	**10-567+30**	1.620 Head Dia. 0.4025 Stem. 4.774 OAL. 2G.
	Int	1960-87	**10-567+5**	1.620 Head Dia. 0.3775 Stem. 4.774 OAL. 2G.
Valve Seat Insert	Exh	1960-87	**20-1437-1**	1-1/4 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1960-87	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Exh	1960-87	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Exh	1960-87	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1960-87	**30-6113**	2.626 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Int	1960-87	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
Spring	Both	1960-87	**32-672**	L/D Engines Int Only. 2.000 Free Length 1.404 O.D.
Keeper	Both	1960-87	**34-746**	2 Round Beads. OEM # 381875.
	Exh	1960-87	**34-766**	4G. Heat Treated
Lifter	Both	1960-80	**36-2084**	Mechanical High Performance
	Both	1981-87	**36-2089**	Hydraulic
Valve Stem Seal	Both	1960-87	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1960-87	**38-253-45**	Viton. Umbrella. 0.372 Stem
	Both	1960-87	**38-254-45**	Viton. Umbrella.
	Both	1960-87	**38-535-25**	Polyacrylic. Ring And Band.
	Both	1960-87	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.
	Both	1960-87	**38-780-25**	Polyacrylic. Umbrella.
	Both	1960-87	**38-928-25**	Polyacrylic. Umbrella.
Expansion Plug Kit		1960-87	**97-13**	Steel Kit.
		1960-87	**97-13B**	Brass Kit.
LINE 59	225 C.I. (3.7L OHV 12V (GM)			1965-71 V6 BORE - 3.75"/95.3mm
Valve	Exh	1965-71	**10-976**	1.375 Head Dia.
	Int	1965-71	**10-975**	1.625 Head Dia.
Valve Seat Insert	Exh	1965-71	**20-1437-3**	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1965-71	**20-1750-1**	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.
Guide	Exh	1965-71	**30-7460**	2.500 OAL 0.3430 Plain I.D. 0.5020 O.D. Conversion Guide
	Exh	1965-71	**30-9460**	2.500 OAL. 0.3430 Spiral I.D.
	Int	1965-71	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Int	1965-71	**30-6105U**	2.500 OAL. 0.3390 Undersize Plain I.D. 0.5020 O.D.
	Int	1965-71	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
Valve Stem Seal	Both	1965-71	**38-925-25**	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.
Expansion Plug Kit		1965-71	**97-57**	Steel Kit.
		1965-71	**97-57B**	Brass Kit.
LINE 60	226 C.I. (3.7L) SOHC 12V Vin K			2002-12 V6 BORE - 3.66"/93.0mm
Valve	Exh	2002-12	**10-1919**	1.457 Head Dia. 3G
	Int	2002-12	**10-1918**	1.915 Head Dia. 3G
Valve Seat Insert	Exh	2002-12	**21-1500-50**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.
	Exh	2002-12	**21-1562-66**	1.265T I.D. Alternate 1-9/16 O.D, Check Casting. 0.280 Depth.
	Int	2002-12	**21-2000-51**	1.690T I.D. 2.000 O.D. 0.270 Depth

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 60	226 C.I. (3.7L) SOHC 12V Vin K			2002-12 V6	BORE - 3.66"/93.0mm
Guide	Both	2002-12	30-3026	1.702 OAL	
Spring	Ext	2002-12	32-6614	1.898 Free Length. Conical, W/ External Shroud.	
	Int	2002-12	32-6612	1.907 Free Length. Conical	
Keeper	Both	2002-12	34-06513	3 Round Beads. 0.273 Stem Dia.	
Lifter	Both	2002-12	36-2271	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2002-12	38-752-45	Viton. Top Hat	
Rocker Component	Both	2002-12	40-2906	Rocker Arm, Roller Cam Follower	
Retainer	Both	2002-12	55-6197	Chrome Moly. 0.982 O.D. 0.275 Stem	
Expansion Plug Kit		2002-12	97-166	Steel Kit.	
		2002-12	97-166B	Brass Kit.	
LINE 61	226 C.I. (3.7L) L-Head 12V			1954-65 L6	BORE - 3.31"/84.1mm
Valve	Exh	1954-65	10-210	1.328 Head Dia.	
	Int	1954-65	10-211	1.520 Head Dia.	
Valve Seat Insert	Exh	1954-65	20-1437-3	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1954-65	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
Guide	Both	1954-65	30-1515	2.563 OAL	
Keeper	Exh	1954-65	34-555	1 Square Groove. Heat Treated	
LINE 62	230 C.I. (3.8L) OHV 12V L-Head			1946-59 L6	BORE - 3.25"/82.6mm
Valve	Exh	1946-59	10-185	1.407 Head Dia.	
	Int	1946-59	10-349	1.531 Head Dia. 0.3405 Stem. 4.845 OAL.	
	Int	1946-59	10-349+15	1.531 Head Dia. 0.3555 Stem. 4.845 OAL.	
Valve Seat Insert	Int	1946-59	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Exh	1946-59	22-1516-1	1-1/4 I.D. 1.516 O.D. 1/4 Depth	
Guide	Exh	1946-59	30-1337	2.813 OAL. 0.3445 I.D. 0.6575 O.D.	
	Int	1946-59	30-1338	2.813 OAL	
Valve Stem Seal	Both	1946-59	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
Expansion Plug Kit		1946-59	97-61	Steel Kit.	
		1946-59	97-61B	Brass Kit.	
LINE 63	230 C.I. (3.8L) SOHC 12V (Continental)			1962-68 L6	BORE - 3.34"/84.9mm
Valve Seat Insert	Exh	1962-68	20-1750-4	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth.	
	Exh	1962-68	20-1750-4N	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth. Nickel	
	Int	1962-68	20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.	
	Int	1962-68	20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
Guide	Both	1962-68	30-1900	2.180 OAL	
LINE 64	232 C.I. (3.8L) OHV 12V Vin B,C,E,G AMC			1964-79 L6	BORE - 3.75"/95.2mm
Valve	Exh	1973-79	10-1325	1.406 Head Dia. 0.3721T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-79	10-1325+15	1.406 Head Dia. 0.3871T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-79	10-1325+3	1.406 Head Dia. 0.3751T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-79	10-1325+30	1.406 Head Dia. 0.4021T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1967-72	10-1441	1.406 Head Dia. 0.372T Stem. 4.892 OAL. 1G.	
	Exh	1964-66	10-549	1.406 Head Dia. 0.3720T Stem. 4G. 0.0875 Tip to Groove.	
	Int	1973-79	10-1260	1.787 Head Dia. 0.3720 Stem. 4.899 OAL. 4G.	
	Int	1973-79	10-1260+15	1.787 Head Dia. 0.3870 Stem. 4.899 OAL. 4G.	
	Int	1973-79	10-1260+3	1.787 Head Dia. 0.3750 Stem. 4.899 OAL. 4G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 64	232 C.I. (3.8L) OHV 12V Vin B,C,E,G AMC			1964-79 L6	BORE - 3.75"/95.2mm
Valve	Int	1973-79	10-1260+30	1.787 Head Dia. 0.4020 Stem. 4.899 OAL. 4G.	
	Int	1967-72	10-1442	1.787 Head Dia. 0.372 Stem. 4.899 OAL. 1G.	
Valve Seat Insert	Exh	1964-79	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1964-79	20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
Guide	Both	1964-79	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Both	1964-79	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1964-79	32-1082	2.035 Free Length. w/o Rotator. 1978-79 w/ 2 Bbl Carb	
Keeper	Both	1967-72	34-613	1 Groove. Heat Treated. 3/8 Stem	
	Both	1964-79	34-766	4G. Heat Treated	
	Exh	1973-74	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1964-79	36-2011CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1973-79	38-910-25	Polyacrylic. Umbrella.	
	Both	1964-79	38-938-25	Polyacrylic. Ring And Band.	
	Both	1964-79	38-938-45	Viton. Ring And Band. Use w/ 0.552 O.D. Guide	
Expansion Plug Kit		1964-79	97-1	Steel Kit.	
		1964-79	97-1B	Brass Kit.	
LINE 65	231 C.I. (3.8L) OHV 12V Vin 1,L,P			1991-11 V6	BORE - 3.78"/96.0mm
Valve	Exh	1991-99	10-1670	1.476 Head Dia. 4G.	
	Exh	2000-00	10-1905	1.476 Head Dia. 4G	
	Exh	2001-11	10-1994	1.398 Head Dia. 4G	
	Int	1991-99	10-1671	1.791 Head Dia. 2G.	
	Int	2000-00	10-1904	1.791 Head Dia. 2G.	
	Int	2001-11	10-1993	1.890 Head Dia. 4G.	
Valve Seat Insert	Exh	2001-11	21-1500-71	1.240 I.D. 1-1/2 O.D. 0.317 Depth.	
	Exh	1991-00	21-1562-74	1.290T I.D. 1-9/16 O.D. 0.324 Depth.	
	Int	2001-11	21-1937-55	1.640T I.D. 1-15/16 O.D. 0.290 Depth	
Guide	Both	2001-11	30-3023	2.275 OAL. Use w/ 7mm stem valves, +2 Also Avail.	
	Both	1991-00	30-8219	2.275 OAL	
Spring	Both	1991-00	32-1282	1.909 Free Length.	
Keeper	Both	2001-11	34-01030	4G. 0.275 Stem	
	Exh	1991-00	34-237	4G	
Lifter	Both	1991-08	36-2269	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install	
	Both	2008-11	36-2332	Hydraulic Roller. 0.842 O.D.	
Valve Stem Seal	Both	2001-11	38-226-45	Viton. All Rubber	
	Both	1991-00	38-535-25	Polyacrylic. Ring And Band.	
	Both	1991-00	38-535-45	Viton. Ring And Band. For 5/16 Stem.	
Rocker Component	Both	1991-00	40-2758	Rocker Arm	
Retainer	Both	2001-11	55-7705	Retainer. 0.910 O.D. 0.273 Stem	
Push Rod	Both	1990-00	74-6435	5.125 Length	
Expansion Plug Kit		1991-00	97-106	Steel Kit.	
		1991-00	97-106B	Brass Kit.	
LINE 66	236-237 C.I. (3.9L) OHV 12V			1942-53 L6	BORE - 3.40"/87.3mm
Valve Seat Insert	Int	1942-53	20-1812-1	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.	
	Exh	1942-53	22-1640-1	1-3/8 I.D. 1.640 O.D. 1/4 Depth	
Guide	Exh	1942-53	30-1337	2.813 OAL 0.3445 I.D. 0.6575 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 66	236-237 C.I. (3.9L) OHV 12V			1942-53 L6	BORE - 3.40"/87.3mm
Guide	Int	1942-53	30-1338	2.813 OAL 0.3425 I.D. 0.6575 O.D.	
LINE 67	239 C.I. (3.9L) OHV F.I. 12V Vin M,X			1987-03 V6	BORE - 3.91"/99.3mm
Valve	Exh	1987-91	10-1419	1.517 Head Dia. 0.3716 Stem. 4.995 OAL. 2G. Use w/ Rotator	
	Exh	1992-03	10-1715	1.624 Head Dia. 0.3115 Stem. 4.920 OAL. 1G.	
	Exh	1992-03	10-1715+15	1.624 Head Dia. 0.3265 Stem. 4.920 OAL. 1G.	
	Exh	1992-03	10-1715+3	1.624 Head Dia. 0.3265 Stem. 4.920 OAL. 1G.	
	Int	1992-03	10-1714	1.920 Head Dia. 0.3115 Stem. 4.906 OAL. 1G.	
	Int	1992-03	10-1714+15	1.920 Head Dia. 0.3265 Stem. 4.906 OAL. 1G.	
	Int	1992-03	10-1714+3	1.920 Head Dia. 0.3145 Stem. 4.906 OAL. 1G.	
	Int	1987-91	10-938	1.780 Head Dia. 0.3725 Stem. 4.979 OAL. 2G.	
	Int	1987-91	10-938+15	1.780 Head Dia. 0.3875 Stem. 4.979 OAL. 2G.	
	Int	1987-91	10-938+30	1.780 Head Dia. 0.4025 Stem. 4.979 OAL. 2G.	
	Int	1987-91	10-938+5	1.780 Head Dia. 0.3775 Stem. 4.979 OAL. 2G.	
Valve Seat Insert	Exh	1987-91	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. Valve w/ 1.517 Head Dia.	
	Exh	1992-03	20-1687-16	1-7/16 I.D. 1-11/16 O.D. 3/16 Depth. w/ 1.624 Valve Head Dia.	
	Int	1987-91	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1987-91	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
	Int	1992-03	20-2000-36	1-3/4 I.D. 2.000 O.D. 3/16 Depth. w/ 1.920 Valve Head Dia.	
Guide	Exh	1987-91	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Exh	1992-03	30-8494	2.436 OAL. Use w/ 0.3115 Stem Dia.	
	Exh	1987-91	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int	1987-91	30-5610	2.625 OAL 0.3750 Plain I.D. 0.5020 O.D.	
	Int	1992-03	30-7847	2.250 OAL. Use w/ 0.3114 Stem Dia.	
	Int	1987-91	30-9610	2.625 OAL. 0.375 Spiral I.D. 0.502 O.D.	
Spring	Both	1992-03	32-1278	1.967 Free Length. Conical Style	
	Both	1987-87	32-672	2.000 Free Length. w/o Rotator	
	Int	1987-91	32-1246	2.160 Free Length.	
Keeper	Both	1992-03	34-217	0.311 Stem Dia. 1 Round Groove. Heat Treated	
	Both	1988-91	34-746	2 Round Beads. OEM # 381875.	
Lifter	Both	1988-03	36-2269	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install	
Valve Stem Seal	Both	1988-91	38-1068-70	Teflon And Rubber. 0.372 Stem	
	Both	1992-03	38-802-45	Viton. Metal Clad. 5/16 Stem	
	Exh	1989-91	38-803-45	Viton. Metal Clad. 3/8 Stem x 0.640	
	Int	1989-91	38-585-45	Viton. Top Hat. 3/8 Stem	
Rocker Component	Both	1992-03	40-2756	Rocker Arm	
Retainer	Both	1988-98	55-6360	Chrome Moly. 1.144 O.D. 5/16 Stem	
Push Rod	Both	1989-91	74-6381	6.776 Length. Use w/ Roller lifters	
	Both	1992-03	74-6462	6.900 Length	
Expansion Plug Kit		1988-03	97-106	Steel Kit.	
		1988-03	97-106B	Brass Kit.	
LINE 68	241 C.I. (4.0L) SOHC 24V Vin 6,X			2007-11 V6	BORE - 3.77"/96.0mm
Valve	Exh	2007-11	10-1713	1.142 Head Dia. 0.272 Stem	
	Int	2007-11	10-1901	1.437 Head Dia. 0.273 Stem	
Valve Seat Insert	Exh	2007-11	21-1250-63	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
Guide	Exh	2007-11	30-8547	2.160 OAL. 0.4545 O.D. 0.276 I.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 68	**241 C.I. (4.0L) SOHC 24V Vin 6,X**			**2007-11 V6 BORE - 3.77"/96.0mm**
Guide	Int	2007-11	**30-8548**	2.040 OAL. 0.4545 O.D. 0.275 I.D.
Keeper	Both	2007-11	**34-06513**	3 Round Beads. 0.273 Stem Dia.
Valve Stem Seal	Both	2007-11	**38-20-45**	Viton. Top Hat
LINE 69	**242 C.I. (4.0L) OHV 12V Vin L,M,S**			**1987-06 L6 BORE - 3.875"/98.4mm**
Valve	Exh	1987-98	**10-1556**	1.500 Head Dia. 0.3115T Stem. 4.940 OAL. 1 Round Groove.
	Exh	1987-98	**10-1556+15**	1.500 Head Dia. 0.3265T Stem. 4.940 OAL. 1 Round Groove.
	Exh	1987-98	**10-1556+3**	1.500 Head Dia. 0.3145T Stem. 4.940 OAL. 1 Round Groove.
	Exh	1987-98	**10-1556+30**	1.500 Head Dia. 0.3145T Stem. 4.940 OAL. 1 Round Groove.
	Exh	1999-06	**10-1917**	1.500 Head Dia. 0.3108 Stem. 4.939 OAL. 3G.
	Exh	1999-06	**10-1917+15**	1.500 Head Dia. 0.3258 Stem. 4.939 OAL. 3G.
	Exh	1999-06	**10-1917+3**	1.500 Head Dia. 0.3138 Stem. 4.939 OAL. 3G.
	Int	1987-98	**10-1557**	1.910 Head Dia. 0.3115 Stem. 4.912 OAL. 1 Round Groove.
	Int	1987-98	**10-1557+15**	1.910 Head Dia. 0.3265 Stem. 4.912 OAL. 1 Round Groove.
	Int	1987-98	**10-1557+3**	1.910 Head Dia. 0.3145 Stem. 4.912 OAL. 1 Round Groove.
	Int	1987-98	**10-1557+30**	1.910 Head Dia. 0.3415 Stem. 4.912 OAL. 1 Round Groove.
	Int	1999-06	**10-1916**	1.910 Head Dia. 0.311 Stem. 4.911 OAL. 3G.
	Int	1999-06	**10-1916+15**	1.910 Head Dia. 0.326 Stem. 4.911 OAL. 3G.
	Int	1999-06	**10-1916+3**	1.910 Head Dia. 0.314 Stem. 4.911 OAL. 3G.
Valve Seat Insert	Exh	1987-06	**20-1562-36**	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth.
	Int	1987-06	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1987-06	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1987-06	**30-8494**	2.436 OAL. w/ Seal Boss
	Exh	1987-06	**30-9848**	2.438 OAL. Conversion
	Int	1987-06	**30-7847**	2.250 OAL. w/ Seal Boss
Spring	Both	1987-95	**32-1242**	1.820 Free Length. Cylindrical
	Both	1987-95	**32-1278**	1.967 Free Length. Conical.
	Both	1996-06	**32-2225**	1.890 Free Length. Conical
Keeper	Both	1999-06	**34-00515**	3 Round Beads. 0.313 Stem
	Both	1987-98	**34-217**	0.313 Stem Dia. 1 Round Groove. Heat Treated
Lifter	Both	1987-06	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1987-97	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.
	Exh	1998-06	**38-802-45**	Viton. Metal Clad. For 5/16 Stem
Rocker Component	Both	1987-06	**40-2740**	Rocker Arm, Stamped.
Rocker Kit	Both	1987-06	**41-2551-2**	Rocker Kit
Retainer	Both	1999-06	**55-6360**	Chrome Moly. 7 Deg. 5/16 x 1.144
Push Rod	Both	1987-06	**74-6437**	9.638 Length.
Expansion Plug Kit		1987-97	**97-126**	Steel Kit.
		1987-97	**97-126B**	Brass Kit.
LINE 70	**250 C.I. (4.1L) OHV 8V AMC**			**1956-62 V8 BORE - 3.40"/88.9mm**
Valve	Exh	1959-62	**10-549**	1.406 Head Dia. 0.3720T Stem. 4G. 0.0875 Tip to Groove.
Valve Seat Insert	Exh	1956-62	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Int	1956-62	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth
Keeper	Both	1959-62	**34-766**	4G. Heat Treated
Lifter	Both	1956-62	**36-2084**	Mechanical High Performance
Valve Stem Seal	Both	1956-62	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 70	**250 C.I. (4.1L) OHV 8V AMC**			**1956-62 V8**	**BORE - 3.40"/88.9mm**
Expansion Plug Kit		1956-62	**97-59**	Steel Kit.	
		1956-62	**97-59B**	Brass Kit.	
LINE 71	**251 C.I. (4.1L) 12V L-Head**			**1950-68 L6**	**BORE - 3.44"/87.3mm**
Valve Seat Insert	Int	1950-68	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.	
	Exh	1950-68	**22-1640-1**	1-3/8 I.D. 1.640 O.D. 1/4 Depth, +10 & +20 O/S Avail.	
Guide	Exh	1950-68	**30-1337**	2.813 OAL. 0.3445 I.D. 0.6575 O.D.	
	Int	1950-68	**30-1338**	2.813 OAL	
LINE 72	**258 C.I. (4.2L) OHV 12V Vin A,B,C,M,T**			**1971-90 L6**	**BORE - 3.70"/95.3mm**
Valve	Exh	1973-80	**10-1325**	1.406 Head Dia. 0.3721T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-80	**10-1325+15**	1.406 Head Dia. 0.3871T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-80	**10-1325+3**	1.406 Head Dia. 0.3751T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-80	**10-1325+30**	1.406 Head Dia. 0.4021T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1981-90	**10-1441**	1.406 Head Dia. 0.372T Stem. 4.892 OAL. 1G.	
	Exh	1971-72	**10-549**	1.406 Head Dia. 0.3720T Stem. 4G. 0.0875 Tip to Groove.	
	Int	1973-80	**10-1260**	1.787 Head Dia. 0.3720 Stem. 4.899 OAL. 4G.	
	Int	1973-80	**10-1260+15**	1.787 Head Dia. 0.3870 Stem. 4.899 OAL. 4G.	
	Int	1973-80	**10-1260+3**	1.787 Head Dia. 0.3750 Stem. 4.899 OAL. 4G.	
	Int	1973-80	**10-1260+30**	1.787 Head Dia. 0.4020 Stem. 4.899 OAL. 4G.	
	Int	1981-90	**10-1442**	1.787 Head Dia. 0.372 Stem. 4.899 OAL. 1G.	
Valve Seat Insert	Exh	1971-90	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1971-90	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
Guide	Both	1971-90	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Both	1971-90	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1976-90	**32-1082**	2.035 Free Length. w/o Rotator.	
Keeper	Both	1981-90	**34-613**	1 Groove. Heat Treated. 3/8 Stem	
	Both	1971-80	**34-766**	4G. Heat Treated	
	Exh	1973-74	**34-555**	1 Square Groove. Heat Treated	
Lifter	Both	1971-90	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1973-90	**38-910-25**	Polyacrylic. Umbrella.	
Rocker Component	Both	1983-90	**40-2740**	Rocker Arm, Stamped	
Rocker Kit	Both	1983-90	**41-2551-2**	Rocker Kit	
Rocker Component	Both	1974-90	**42-1718**	Rocker Comp, Steel Bridge	
Expansion Plug Kit		1971-90	**97-1**	Steel Kit.	
		1971-90	**97-1B**	Brass Kit.	
LINE 73	**265 C.I. (4.3L) L-Head 12V**			**1951-60 L6**	**BORE - 3.44"/87.3mm**
Valve Seat Insert	Int	1951-60	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.	
	Exh	1951-60	**22-1640-1**	1-3/8 I.D. 1.640 O.D. 1/4 Depth, +10 & +20 O/S Avail.	
Guide	Exh	1951-60	**30-1337**	2.813 OAL. 0.3445 I.D. 0.6575 O.D.	
	Int	1951-60	**30-1338**	2.813 OAL	
LINE 74	**270 C.I. (4.4L) OHV 16V**			**1955-56 V8**	**BORE - 3.63"/92.1mm**
Guide	Both	1955-56	**30-9112**	2.250 OAL 0.3745 I.D. 0.5020 O.D.	
Keeper	Exh	1955-56	**34-766**	4G. Heat Treated	
	Int	1955-56	**34-746**	2 Round Beads. OEM # 381875.	
Valve Stem Seal	Both	1955-56	**38-530-15**	Nitrile. Umbrella.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 74	**270 C.I. (4.4L) OHV 16V**			**1955-56 V8 BORE - 3.63"/92.1mm**
Valve Stem Seal	Both	1955-56	**38-530-25**	Polyacrylic. Umbrella.
	Both	1955-56	**38-530-45**	Viton. Umbrella.
	Both	1955-56	**38-921-25**	Polyacrylic. 2-Ring.
LINE 75	**273 C.I. (4.5L) OHV 16V**			**1964-69 V8 BORE - 3.63"/92.1mm**
Valve	Exh	1964-69	**10-1329**	1.500 Head Dia. 0.3715 Stem. 5.003 OAL. 4G.
	Exh	1964-69	**10-1329+15**	1.500 Head Dia. 0.3865 Stem. 5.003 OAL. 4G.
	Exh	1964-69	**10-1329+30**	1.500 Head Dia. 0.4019 Stem. 5.003 OAL. 4G.
	Exh	1964-69	**10-1329+5**	1.500 Head Dia. 0.3769 Stem. 5.003 OAL. 4G.
	Int	1964-69	**10-938**	1.780 Head Dia. 0.3725 Stem. 4.979 OAL. 2G.
	Int	1964-69	**10-938+15**	1.780 Head Dia. 0.3875 Stem. 4.979 OAL. 2G.
	Int	1964-69	**10-938+30**	1.780 Head Dia. 0.4025 Stem. 4.979 OAL. 2G.
	Int	1964-69	**10-938+5**	1.780 Head Dia. 0.3775 Stem. 4.979 OAL. 2G.
Valve Seat Insert	Exh	1964-69	**20-1625-2**	1-3/8 I.D. 1-5/8 O.D. 1/4 Depth. +10 O/S Avail.
	Int	1964-69	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.
Guide	Exh	1964-69	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Exh	1964-69	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1964-69	**30-6113**	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.
	Int	1964-69	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
Spring	Both	1964-69	**32-672**	2.000 Free Length. 1.404 O.D.
Keeper	Exh	1964-69	**34-766**	4G. Heat Treated
	Int	1964-69	**34-746**	2 Round Beads. OEM # 381875.
Lifter	Both	1964-69	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
	Both	1964-67	**36-2084**	Mechanical High Performance
Valve Stem Seal	Both	1964-69	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1964-69	**38-530-15**	Nitrile. Umbrella.
	Both	1964-69	**38-530-25**	Polyacrylic. Umbrella.
	Both	1964-69	**38-530-45**	Nitrile. Umbrella.
Rocker Component	Both	1964-69	**40-2892**	Rocker Arm, LH. Stamped
	Both	1964-69	**40-2893**	Rocker Arm, RH. Stamped
	Both	1964-67	**42-2661**	Rocker Shaft. 2 Required w/ Hyd. Lifter
Retainer	Both	1964-69	**55-6318**	Chrome Moly. 1.340 O.D. 3/8 Stem
Push Rod	Both	1968-69	**74-6324**	7.500 Length
Expansion Plug Kit		1964-69	**97-11**	Steel Kit.
		1964-69	**97-11B**	Brass Kit.
LINE 76	**277 C.I. (4.5L) OHV 16V**			**1956-57 V8 BORE - 3.75"/95.3mm**
Valve	Exh	1956-57	**10-518**	1.563 Head Dia. 4G
	Int	1956-57	**10-514**	1.844 Head Dia. 2G
Valve Seat Insert	Exh	1956-57	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1956-57	**20-1937-1**	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth.
Guide	Exh	1956-57	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Exh	1956-57	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1956-57	**30-6110**	2.626 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Int	1956-57	**30-9110**	2.625 OAL. Spiral I.D. 0.374 I.D. 0.5020 O.D.
Keeper	Exh	1956-57	**34-766**	4G. Heat Treated
	Int	1956-57	**34-746**	2 Round Beads. OEM # 381875.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 76	277 C.I. (4.5L) OHV 16V			1956-57 V8	BORE - 3.75"/95.3mm
Lifter	Both	1956-57	36-2084	Mechanical High Performance	
Valve Stem Seal	Int	1956-57	38-921-25	Polyacrylic. 2-Ring.	
LINE 77	287 C.I. (4.7L) SOHC 16V Vin J,N,P			1999-13 V8	BORE - 3.66"/93.0mm
Valve	Exh	2008-13	10-13252	1.457 Head Dia. 0.2722 Stem. 3G. 0.389 Tip To Groove	
	Exh	1999-07	10-1919	1.457 Head Dia. 0.2722 Stem. 3G. 0.420 Tip To Groove	
	Int	2008-13	10-13251	1.915 Head Dia. 0.2734 Stem. 3G. 0.293 Tip To Groove	
	Int	1999-07	10-1918	1.915 Head Dia. 0.2734 Stem. 3G. 0.371 Tip To Groove	
Valve Seat Insert	Exh	1999-13	21-1500-50	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.	
	Exh	1999-13	21-1562-66	1.265T I.D. Alternate 1-9/16 O.D, Check Casting. 0.280 Depth.	
	Int	1999-13	21-2000-51	1.690T I.D. 2.000 O.D. 0.270 Depth.	
Guide	Both	1999-07	30-3026	1.702 OAL.	
	Both	2008-13	30-3149	1.820 OAL. 0.2752 I.D. 0.4720 O.D.	
Spring	Both	1999-07	32-2482	1.950 Free Length. Revised Conical Design, Not for use with High Output	
	Both	2008-13	32-5023	1.915 Free Length. Conical. w/ Shroud and Stem Seal	
Keeper	Both	1999-13	34-06513	3 Round Beads. 0.273 Stem Dia.	
Lifter	Both	1999-13	36-2271	Hydraulic Lash Adjuster. Does Not Fit '08+ Dual Plug	
Valve Stem Seal	Both	1999-07	38-752-45	Viton. Top Hat.	
Rocker Component	Both	2002-13	40-2906	Rocker Arm, Roller Cam Follower	
Retainer	Both	1999-07	55-6197	Chrome Moly. 0.982 O.D. 0.275 Stem	
Expansion Plug Kit		2000-13	97-165	Steel Kit.	
		2000-13	97-165B	Brass Kit.	
LINE 78	287 C.I. (4.7L) OHV 16V Vin H,N,T AMC			1963-66 V8	BORE - 3.75"/95.3mm
Valve	Exh	1963-66	10-549	1.406 Head Dia. 0.3720T Stem. 4G. 0.0875 Tip to Groove.	
Valve Seat Insert	Exh	1963-66	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1963-66	20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
Keeper	Both	1963-66	34-766	4G. Heat Treated	
Lifter	Both	1963-66	36-2011CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1963-66	38-915-25	Polyacrylic. Umbrella.	
Retainer	Both	1963-66	55-6318	Chrome Moly. 1.340 O.D. 3/8 Stem	
Expansion Plug Kit		1963-66	97-59	Steel Kit.	
		1963-66	97-59B	Brass Kit.	
LINE 79	290 C.I. (4.8L) OHV 16V Vin C,D,H,M,N AMC			1966-69 V8	BORE - 3.75"/95.3mm
Valve	Exh	1966-69	10-1441	1.406 Head Dia. 0.372T Stem. 4.892 OAL. 1G.	
	Int	1966-69	10-1442	1.787 Head Dia. 0.372 Stem. 4.899 OAL. 1G.	
Valve Seat Insert	Exh	1966-69	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1966-69	20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
Guide	Both	1966-69	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Both	1966-69	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1966-69	32-883	2.230 Free Length.	
	Both	1966-69	32-991	2.068 Free Length.	
Keeper	Both	1966-69	34-613	1 Groove. Heat Treated	
Lifter	Both	1966-69	36-2011CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1966-69	38-530-25	Polyacrylic. Umbrella.	
	Both	1966-69	38-921-25	Polyacrylic. 2-Ring.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 79	**290 C.I. (4.8L) OHV 16V Vin C,D,H,M,N AMC**				**1966-69 V8 BORE - 3.75"/95.3mm**
Rocker Component	Both	1966-69	**42-1786**	Rocker Comp. Nut 3/8x24 Adj.	
	Both	1966-69	**42-4403**	Stud, 3/8-24 x7/16-14 x2.25	
Retainer	Both	1966-69	**55-6318**	Chrome Moly. 1.340 O.D. 3/8 Stem	
Expansion Plug Kit		1966-69	**97-2**	Steel Kit.	
		1966-69	**97-2B**	Brass Kit.	
LINE 80	**303 C.I. (5.0L) OHV 16V**				**1956-57 V8 BORE - 3.81"/96.8mm**
Valve	Exh	1956-57	**10-518**	1.563 Head Dia. 4G	
Guide	Exh	1956-57	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Exh	1956-57	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int	1956-57	**30-6110**	2.626 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Int	1956-57	**30-9110**	2.625 OAL. Spiral I.D. 0.374 I.D. 0.5020 O.D.	
Keeper	Exh	1956-56	**34-766**	4G. Heat Treated	
LINE 81	**304 C.I. (5.0L) OHV 16V Vin H,I,M AMC**				**1970-81 V8 BORE - 3.75"/95.3mm**
Valve	Exh	1973-80	**10-1325**	1.406 Head Dia. 0.3721T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-80	**10-1325+15**	1.406 Head Dia. 0.3871T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-80	**10-1325+3**	1.406 Head Dia. 0.3751T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1973-80	**10-1325+30**	1.406 Head Dia. 0.4021T Stem. 4.892 OAL. 4G. Use w/o Rotator.	
	Exh	1981-81	**10-1441**	1.406 Head Dia. 0.372T Stem. 4.892 OAL. 1G.	
	Int	1973-80	**10-1260**	1.787 Head Dia. 0.3720 Stem. 4.899 OAL. 4G.	
	Int	1973-80	**10-1260+15**	1.787 Head Dia. 0.3870 Stem. 4.899 OAL. 4G.	
	Int	1973-80	**10-1260+3**	1.787 Head Dia. 0.3750 Stem. 4.899 OAL. 4G.	
	Int	1973-80	**10-1260+30**	1.787 Head Dia. 0.4020 Stem. 4.899 OAL. 4G.	
	Int	1981-81	**10-1442**	1.787 Head Dia. 0.372 Stem. 4.899 OAL. 1G.	
Valve Seat Insert	Exh	1970-81	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1970-81	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
Guide	Both	1970-81	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Both	1970-81	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1978-81	**32-1082**	2.035 Free Length.	
	Both	1970-70	**32-883**	2.230 Free Length.	
Keeper	Both	1973-80	**34-613**	1 Groove. Heat Treated	
	Both	1978-81	**34-766**	4G. Heat Treated	
Lifter	Both	1970-81	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1970-81	**38-921-25**	Polyacrylic. 2-Ring.	
	Both	1970-81	**38-930-35**	Glass Filled Nylon. Umbrella.	
Rocker Component	Both	1974-81	**42-1718**	Rocker Comp, Steel Bridge	
	Both	1970-73	**42-1786**	Rocker Comp. Nut 3/8x24 Adj.	
	Both	1970-79	**42-4403**	Stud, 3/8-24 x7/16-14 x2.25	
Push Rod	Both	1970-81	**74-6034**	7.793 Length	
Expansion Plug Kit		1970-81	**97-2**	Steel Kit.	
		1970-81	**97-2B**	Brass Kit.	
LINE 82	**318 C.I. (5.2L) OHV 16V Carb./FI Car/Truck/MH**				**1957-91 V8 BORE - 3.91"/99.3mm**
Valve	Exh	1968-80	**10-1312S**	1.517 Head Dia. 2G. Motor Home, HD	
	Exh	1967-79	**10-1329**	1.500 Head Dia. 0.3715 Stem. 5.003 OAL. 4G.	
	Exh	1967-79	**10-1329+15**	1.500 Head Dia. 0.3865 Stem. 5.003 OAL. 4G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 82	318 C.I. (5.2L) OHV 16V Carb./FI Car/Truck/MH			1957-91 V8	BORE - 3.91"/99.3mm
Valve	Exh	1967-79	**10-1329+30**	1.500 Head Dia. 0.4019 Stem. 5.003 OAL. 4G.	
	Exh	1967-79	**10-1329+5**	1.500 Head Dia. 0.3769 Stem. 5.003 OAL. 4G.	
	Exh	1979-89	**10-1399**	1.500 Head Dia. Exc 1981-89 H.D. Or Police 4BC.	
	Exh	1979-89	**10-1399+15**	1.500 Head Dia. Exc 1981-89 H.D. Or Police 4BC.	
	Exh	1982-85	**10-1417**	1.617 Head Dia. 0.3716 Stem 4.995 OAL. 2G. 4BC HD	
	Exh	1982-85	**10-1417+15**	1.617 Head Dia. 0.386 Stem 4.995 OAL. 2G. 4BC HD	
	Exh	1982-85	**10-1417+5**	1.617 Head Dia. 0.376 Stem 4.995 OAL. 2G. 4BC HD	
	Exh	1979-91	**10-1419**	1.517 Head Dia. 0.3716 Stem. 4.995 OAL. 2G. Use w/ Rotator	
	Exh	1957-68	**10-518**	1.563 Head Dia. 4G	
	Int	1981-89	**10-1180**	1.880 Head Dia. 0.3725 Stem. 2G. HD & Police 4BC	
	Int	1981-89	**10-1180+15**	1.880 Head Dia. 0.3875 Stem. 2G. HD & Police 4BC	
	Int	1981-89	**10-1180+3**	1.880 Head Dia. 0.3755 Stem. 2G. HD & Police 4BC	
	Int	1981-89	**10-1180+30**	1.880 Head Dia. 0.4025 Stem. 2G. HD & Police 4BC	
	Int	1970-83	**10-1186**	1.811 Head Dia. 0.3725 Stem. 2G. Motor Home, HD.	
	Int	1970-83	**10-1186+15**	1.811 Head Dia. 0.3875 Stem. 2G. Motor Home, HD.	
	Int	1957-68	**10-514**	1.844 Head Dia. 2G	
	Int	1968-91	**10-938**	1.780 Head Dia. 0.3725 Stem. 4.979 OAL. 2G.	
	Int	1968-91	**10-938+15**	1.780 Head Dia. 0.3875 Stem. 4.979 OAL. 2G.	
	Int	1968-91	**10-938+30**	1.780 Head Dia. 0.4025 Stem. 4.979 OAL. 2G.	
	Int	1986-91	**10-938+5**	1.780 Head Dia. 0.3775 Stem. 4.979 OAL. 2G.	
Valve Seat Insert	Exh	1967-91	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. w/ 1.500 Valve Head Dia.	
	Exh	1968-91	**20-1625-1N**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. Nickel, LPG w/ 1.500 & 1.517 Valve Head Dia.	
	Exh	1969-75	**20-1625-2N**	1-3/8 I.D. 1-5/8 O.D. 1/4 Depth. Nickel	
	Exh	1957-89	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.563 &1.600 Valve Head Dia.	
	Exh	1957-89	**20-1687-2N**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. Nickel For LPG, Motor Home.	
	Int	1968-91	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. w/ 1.780 Valve Head Dia.	
	Int	1957-80	**20-1937-1**	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth. w/ 1.840 Valve Head Dia.	
	Int	1981-89	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. 4BC H.D., w/ 1.925 Valve Head Dia.	
	Int	1981-89	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
Guide	Exh	1957-91	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Exh	1957-91	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int	1957-91	**30-5610**	2.625 OAL 0.3750 Plain I.D. 0.5020 O.D.	
	Int	1967-91	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
	Int	1957-91	**30-9610**	2.625 OAL. 0.375 Spiral I.D. 0.502 O.D.	
Spring	Both	1969-91	**32-1061**	1.810 Free Length. w/ Rotocaps.	
	Both	1989-91	**32-1246**	2.160 Free Length. w/ ELA 2BC	
	Both	1957-89	**32-672**	2.000 Free Length. Exc. H.D. Or Police w/ 4BC	
Keeper	Exh	1957-91	**34-766**	4G, For 1981-89 Int To Be Used w/ 01273	
	Int	1957-91	**34-746**	2 Round Beads. OEM # 381875.	
Lifter	Both	1968-89	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
	Both	1957-68	**36-2084**	Mechanical High Performance	
	Both	1985-91	**36-2269**	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install	
Valve Stem Seal	Both	1957-91	**38-1068-70**	Teflon And Rubber. 0.372 Stem	
	Exh	1957-91	**38-254-45**	Viton. Umbrella.	
	Exh	1957-89	**38-780-25**	Polyacrylic. Umbrella.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 82	318 C.I. (5.2L) OHV 16V Carb./FI Car/Truck/MH			1957-91 V8 BORE - 3.91"/99.3mm
Valve Stem Seal	Int	1957-91	38-253-45	Viton. Umbrella.
	Int	1957-89	38-928-25	Polyacrylic. Umbrella.
Rocker Component	Both	1959-88	40-2892	Rocker Arm, LH. Stamped. Use w/ Hydr. Lifter
	Both	1959-88	40-2893	Rocker Arm, RH. Stamped. Use w/ Hydr. Lifter
	Both	1967-89	42-2661	Rocker Shaft. 2 Required w/ Hyd. Lifter
Retainer	Both	1957-91	55-6318	Chrome Moly. 1.340 O.D. 3/8 Stem
Push Rod	Both	1968-88	74-6324	7.500 Length
	Both	1989-91	74-6381	6.776 Length. 1989-91 All Exc. '89 Police w/ 4BBL
Expansion Plug Kit		1957-91	97-11	Steel Kit.
		1957-91	97-11B	Brass Kit.
LINE 83	318 C.I. (5.2L) 16V Magnum			1992-03 V8 BORE - 3.91"/99.3mm
Valve	Exh	1992-03	10-1715	1.624 Head Dia. 0.3115 Stem. 4.920 OAL. 1G.
	Exh	1992-03	10-1715+15	1.624 Head Dia. 0.3265 Stem. 4.920 OAL. 1G.
	Exh	1992-03	10-1715+3	1.624 Head Dia. 0.3265 Stem. 4.920 OAL. 1G.
	Int	1992-03	10-1714	1.920 Head Dia. 0.3115 Stem. 4.906 OAL. 1G.
	Int	1992-03	10-1714+15	1.920 Head Dia. 0.3265 Stem. 4.906 OAL. 1G.
	Int	1992-03	10-1714+3	1.920 Head Dia. 0.3145 Stem. 4.906 OAL. 1G.
Valve Seat Insert	Exh	1992-03	20-1687-16	1-7/16 I.D. 1-11/16 O.D. 3/16 Depth. w/ 1.624 Valve Head Dia.
	Int	1992-03	20-2000-36	1-3/4 I.D. 2.000 O.D. 3/16 Depth. w/ 1.920 Valve Head Dia.
Guide	Exh	1992-03	30-8494	2.436 OAL. 0.3135 I.D. w/ 0.3115 Stem. w/ Seal Boss
	Int	1992-03	30-7847	2.250 OAL. w/ 0.3115 Stem Dia. Seal Boss
Spring	Both	1992-03	32-1278	1.967 Free Length. Vin P, T, Y.
Keeper	Both	1992-03	34-217	0.314 Stem Dia. 1 Round Groove. Heat Treated
Lifter	Both	1992-03	36-2269	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install
Valve Stem Seal	Exh	1992-03	38-802-45	Viton. Metal Clad. For 5/16 Stem
Rocker Component	Both	1992-03	40-2756	Rocker Arm
Retainer	Both	1992-03	55-6318	Chrome Moly. 1.340 O.D. 3/8 Stem
Push Rod	Both	1992-03	74-6462	6.900 Length
Expansion Plug Kit		1992-03	97-11	Steel Kit.
		1992-03	97-11B	Brass Kit.
LINE 84	326 C.I. (5.3L) OHV 16V			1959-59 V8 BORE - 3.95"/100.3mm
Valve	Exh	1959-59	10-518	1.563 Head Dia. 4G
	Int	1959-59	10-514	1.844 Head Dia. 2G
Valve Seat Insert	Exh	1959-59	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1959-59	20-1937-1	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth.
Guide	Exh	1959-59	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Exh	1959-59	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1959-59	30-5610	2.625 OAL 0.3750 Plain I.D. 0.5020 O.D.
	Int	1959-59	30-9610	2.625 OAL. 0.375 Spiral I.D. 0.502 O.D.
Keeper	Exh	1959-59	34-766	4G. Heat Treated
	Int	1959-59	34-746	2 Round Beads. OEM # 381875.
Lifter	Both	1959-59	36-2084	Mechanical High Performance
Valve Stem Seal	Both	1959-59	38-921-25	Polyacrylic. 2-Ring.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 85	**327 C.I. (5.4L) OHV 16V AMC**			**1960-70 V8**	**BORE - 4.00"/101.6mm**
Valve	Exh	1960-70	**10-549**	1.406 Head Dia. 0.3720T Stem. 4G. 0.0875 Tip to Groove.	
Valve Seat Insert	Exh	1960-70	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1960-70	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
Keeper	Both	1960-70	**34-766**	4G. Heat Treated	
Lifter	Both	1960-70	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1960-70	**38-231-25**	Polyacrylic. 2-Ring.	
	Both	1960-70	**38-530-25**	Polyacrylic. Umbrella.	
Expansion Plug Kit		1960-70	**97-59**	Steel Kit.	
		1960-70	**97-59B**	Brass Kit.	
LINE 86	**331, 354, 392 C.I. OHV 16V**			**1954-59 V8**	**BORE - 3.81"/96.8mm**
Guide	Exh	1954-58	**30-1740**	2.813 OAL. 0.6895 O.D. 0.3745 I.D.	
	Int	1954-59	**30-1803**	2.938 OAL. 0.6895 O.D. 0.3745 I.D.	
Keeper	Both	1954-59	**34-746**	2 Round Beads	
Valve Stem Seal	Both	1954-59	**38-530-15**	Nitrile. Umbrella.	
	Both	1954-59	**38-530-25**	Polyacrylic. Umbrella.	
	Both	1954-59	**38-530-45**	Viton. Umbrella.	
LINE 87	**340 C.I. (5.6L) OHV 16V Vin H,J,P**			**1968-73 V8**	**BORE - 4.04"/102.6mm**
Valve	Exh	1968-73	**10-1307**	1.600 Head Dia. 0.3715 Stem. 5.006 OAL. 4G.	
	Exh	1968-73	**10-1307+15**	1.600 Head Dia. 0.3865 Stem. 5.006 OAL. 4G.	
	Exh	1968-73	**10-1307+30**	1.600 Head Dia. 0.4015 Stem. 5.006 OAL. 4G.	
	Exh	1968-73	**10-1307+5**	1.600 Head Dia. 0.3765 Stem. 5.006 OAL. 4G.	
Valve Seat Insert	Exh	1968-73	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	
	Int	1968-73	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.	
	Int	1968-73	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
	Int	1968-73	**20-2062-1**	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.	
Guide	Both	1968-73	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.	
	Both	1968-73	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
	Int	1968-73	**30-6113**	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.	
	Int	1968-71	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both	1968-73	**32-901-D**	1.940 Free Length.	
Keeper	Both	1968-73	**34-766**	4G. Heat Treated	
Lifter	Both	1968-73	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Exh	1968-73	**38-780-25**	Polyacrylic. Umbrella.	
	Int	1968-73	**38-928-25**	Polyacrylic. Umbrella.	
Rocker Component	Both	1968-73	**40-2892**	Rocker Arm, LH. Stamped	
	Both	1968-73	**40-2893**	Rocker Arm, RH. Stamped	
	Both	1968-73	**42-2661**	Rocker Shaft. 2 Required w/ Hyd. Lifter	
Retainer	Both	1968-73	**55-6318**	Chrome Moly. 1.340 O.D. 3/8 Stem	
Push Rod	Both	1968-73	**74-6324**	7.500 Length	
Expansion Plug Kit		1968-73	**97-11**	Steel Kit.	
		1968-73	**97-11B**	Brass Kit.	
LINE 88	**343 (5.6L) OHV 16V Vin JKQRSTVWXZ AMC**			**1967-69 V8**	**BORE - 4.08"/103.6mm**
Valve	Exh	1967-69	**10-1047**	1.625 Head Dia. 1 Groove	
Valve Seat Insert	Exh	1967-69	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 88	**343 (5.6L) OHV 16V Vin JKQRSTVWXZ AMC**			**1967-69 V8 BORE - 4.08"/103.6mm**
Valve Seat Insert	Int	1967-69	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1967-69	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Both	1967-69	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1967-69	**32-883**	2.230 Free Length.
	Both	1967-69	**32-991**	2.068 Free Length.
Keeper	Both	1967-69	**34-613**	1 Groove. Heat Treated
Lifter	Both	1967-69	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1967-69	**38-910-25**	Polyacrylic. Umbrella.
	Both	1967-69	**38-930-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1967-69	**42-1786**	Rocker Comp. Nut 3/8x24 Adj.
	Both	1967-69	**42-4403**	343 (5.6L) OHV 16V Vin JKQRSTVWXZ
Expansion Plug Kit		1967-69	**97-2**	Steel Kit.
		1967-69	**97-2B**	Brass Kit.
LINE 89	**345 C.I. (5.7L) 16V Hemi Vin 2,8,D,H,T**			**2002-25 V8 BORE - 3.92"/99.5mm**
Valve	Exh	2009-25	**10-13195**	1.552 Head Dia. 0.3126 Stem
	Exh	2002-08	**10-2220**	1.551 Head Dia. 0.3115 Stem
	Int	2009-25	**10-13194**	2.050 Head Dia. 0.3127 Stem
	Int	2002-08	**10-2103**	2.000 Head Dia. 0.3128 Stem
Valve Seat Insert	Exh	2002-25	**21-1625-62**	1.320 I.D. 1-5/8 O.D. 0.300 Depth
	Int	2002-08	**21-2062-52**	1.750 I.D. 2-1/16 O.D. 0.280 Depth
	Int	2009-25	**21-2187-50**	1.820T I.D. 2-3/16 O.D. 0.3410 Depth.
Guide	Both	2009-25	**30-3156**	2.185 OAL. 0.3145 I.D. 0.5250 O.D.
	Exh	2002-08	**30-3032**	2.185 OAL. 0.3155 I.D. 0.5250 O.D.
	Int	2002-08	**30-3031**	2.185 OAL. 0.3145 I.D. 0.5250 O.D.
Spring	Both	2002-08	**32-2480**	2.287 Free Length. Conical. w/o Shroud
	Both	2009-25	**32-5024**	2.370 Free Length. Conical. w/ 1mm Seat
Keeper	Both	2002-25	**34-00515**	3 Round Beads. 0.313 Stem
Lifter	Both	2005-25	**36-7103K**	Hydraulic Roller Kit. w/ MDS Engine. Front 4 Lifter Assy. w/ Cradle
	Both	2005-25	**36-7104K**	Hydraulic Roller Kit. w/ MDS Engine. Rear 4 Lifter Assy. w/ Cradle
Valve Stem Seal	Both	2002-08	**38-345-55**	Top Hat. Viton
	Both	2009-25	**38-812-45**	Viton. Metal Clad. 0.315 Stem. 0.472 Guide OD
Rocker Component	Exh	2003-25	**42-1553E**	Rocker Arm Shaft Assy. OE # 53021553AB
	Int	2003-25	**42-1552I**	Intake Rocker Arm Shaft Assy. OE # 53021552AB
Retainer	Both	2002-25	**55-7711**	Chrome Moly
Push Rod	Exh	2005-08	**74-6653**	7.846 Length
	Exh	2003-25	**74-6668**	8.085 Length
	Int	2005-08	**74-6652**	6.609 Length
	Int	2003-25	**74-6667**	6.792 Length
LINE 90	**350 C.I. (5.7L) GM 16V**			**1968-71 V8 BORE - 3.80"/96.5mm**
Valve	Exh	1968-71	**10-1188**	1.500 Head Dia.
	Int	1968-71	**10-1082**	1.875 Head Dia.
Valve Seat Insert	Exh	1968-71	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.
	Int	1968-71	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1968-71	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1968-71	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 90	350 C.I. (5.7L) GM 16V			1968-71 V8	BORE - 3.80"/96.5mm
Guide	Int	1968-71	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1968-71	32-1001	2.130 Free Length.	
Valve Stem Seal	Both	1968-71	38-921-25	Polyacrylic. 2-Ring. Nitrile Matl. 38-921-15 Also Avail.	
Expansion Plug Kit		1968-71	97-100	Steel Kit.	
		1968-71	97-100B	Brass Kit.	
LINE 91	359 C.I. (5.9L) 12V 6BT D TRB (Cummins) Vin C,D,8			1989-98 L6	BORE - 4.02"/102.0mm
Valve Kit	Both	1989-98	10-VKCUM6BTA-5	Kit for Assy. 12 Valves, Springs, Retainers, Stem Seals, 24 Keepers	
Valve	Exh	1989-98	10-1664	1.654 Head Dia. 45 Deg. Seat. OEM # 3802356, 3920868	
	Int	1989-98	10-1665	1.772 Head Dia. 30 Deg. Seat. OEM # 3802355, 3920867.	
Cylinder Head, Stock		1989-98	16-759121	Cast Iron. Bare w/ Seats, Guide, Inj. Tubes. Casting # 3934747, 3925400	
		1989-98	16-759121-K1	Head Kit w/ 1 Head, 12 Valves, Springs, Stem Seals, Retainers, 24 Keepers	
Valve Seat Insert	Exh	1989-98	20-1750-7	1-3/8 I.D. 1-3/4 O.D. 7/32 Depth. Universal Insert For Heads w/o OEM Inserts	
	Int	1989-98	20-1875-8	1-1/2T I.D. 1-7/8 O.D. 7/32 Depth. Universal Size For Heads w/o OEM Insert	
	Exh	1989-98	22-1722-1	1.357T I.D. 1.722 O.D. 0.265 Depth. OEM # 3904105. +10 O/S Avail.	
	Int	1989-98	22-1853-1	1.498T I.D. 1.853 O.D. 0.273 Depth. OEM # 3925177	
Guide	Both	1989-98	30-8277	2.500 OAL. 0.3162 I.D. 0.4395 O.D. OEM # 3906206	
	Exh	1989-98	30-8178	2.052 OAL. 0.5527 O.D. 0.3162 I.D. Thick Wall. OEM # 3904409	
	Int	1989-98	30-8177	2.397 OAL. 0.5527 O.D. 0.3162 I.D. Thick Wall. OEM # 3904408	
Spring	Both	1989-96	32-00276	2.235 Free Length. OEM # 3900276	
	Both	1997-98	32-02061	2.385 Free Length. OEM # 4882061	
	Both	1989-98	32-6691	2.875 Free Length. w/ Exh. Brake. 60 Lbs. Addl. Seat Pressure. OEM # 3916691	
Keeper	Both	1989-98	34-00250	1 Groove. OEM # 3900250	
Lifter	Both	1989-98	36-2302	Mechanical. OEM # 3931623, 3925031	
Rotator	Both	1989-98	37-5666	Rotator. OEM # 3925666, 3957914	
Valve Stem Seal	Both	1989-98	38-535-45	Viton. Ring And Band. For 5/16 Stem.	
	Both	1989-98	38-6114-55	Viton. Top Hat. OEM # 3957912	
Performance Spring	Both	1989-98	52-4049	2.780 Free Length. 75 Lb. Drop-In Perf. 250 @1.38 Open Load	
Retainer	Both	1989-98	55-2299	Chrome Moly 1.343 O.D. 0.313 Stem Dia OEM # 3900299	
Push Rod	Both	1989-98	74-6448	10.910 Length. OEM # 3923262	
Expansion Plug Kit		1989-98	97-163SS	Stainless Steel Kit	
LINE 92	359 C.I. (5.9L) 24V ISB D TRB (Cummins) Vin 6,7,C			1998-09 L6	BORE - 4.02"/102.0mm
Valve Kit	Both	1989-09	10-VKCUMISBA-5	Kit for Assy., 24 Valves, Springs, Stem Seals, Retainers, 48 Keepers	
Valve	Exh	2003-09	10-13006	1.299 Head Dia. Hi-Output. 45 Deg. OEM # 3979602	
	Exh	2003-09	10-13161	1.299 Head Dia. Inconel. 45 Deg. OEM # 3968183, 4089672	
	Exh	1998-04	10-2015	1.299 Head Dia. 45 Deg. OEM # 3940734	
	Int	1998-09	10-2014	1.299 Head Dia. 30 Deg. OEM # 3940735	
Cylinder Head, Stock		1989-09	16-759241	Cast Iron. Bare w/ Seats, Guides, Inj. Tubes. Casting # 3943627	
		1989-09	16-759241-K1	Head Kit, 1 Head, 24 Valves, Springs, Stem Seals, 48 Keepers	
Valve Seat Insert	Exh	1998-09	22-1375-2N	1.100 I.D. 1.375 O.D. 0.227 Depth. +5, 10, 20 O/S Avail. OEM # 3942299	
	Int	1998-09	22-1375-1	1.100 I.D. 1.375 O.D. 0.227 Depth. +010 O/S Avail. OEM # 3942298	
Guide	Exh	1998-04	30-3022	2.018 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal boss length 0.362	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 92	359 C.I. (5.9L) 24V ISB D TRB (Cummins) Vin 6,7,C			1998-09 L6 BORE - 4.02"/102.0mm
Guide	Exh	1998-09	**30-3034**	2.018 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal boss length 0.335
	Exh	1998-09	**30-3081**	2.020 OAL. 0.4395 Optional Straight O.D. (No Boss). No Special Tooling Req.
	Int	1998-04	**30-3021**	1.937 OAL. 0.2776 I.D. 0.5015 O.D. 0.510. Boss O.D. Seal boss length 0.362
	Int	1998-09	**30-3033**	1.937 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal Boss length 0.335
	Int	1998-09	**30-3080**	1.937 OAL. 0.4395 Optional Straight O.D. (No Boss). No Special Tooling Req.
Spring	Both	1998-09	**32-04053**	1.824 Free Length. Ovate Wire. OEM # 4936080
Keeper	Both	1998-09	**34-5020**	1 Round Bead. OEM # 5011878AA
Lifter	Both	2003-09	**36-7098**	Mechanical. OEM # 3947759
Valve Stem Seal	Both	2003-09	**38-9191-45**	Viton. Top Hat. OEM # 3955393/4
	Exh	1998-02	**38-0438-45**	Viton. Metal Clad
	Int	1998-02	**38-0989-45**	Viton. Metal Clad. OEM # 3942989
Rocker Kit	Both	1998-07	**41-1333**	Rocker Kit, Left
	Both	1998-07	**41-1334**	Rocker Kit, Right
Performance Spring	Both	1998-09	**52-4053**	1.852 Free Length. Ovate Wire. 87 @1.380. 170 @1.030
Retainer	Both	1989-09	**55-3198**	1.065 O.D. 0.275 Stem. OEM # 5011455AA
Push Rod	Both	1998-09	**74-6554**	11.435 Length OEM # 3941253
Expansion Plug Kit		1998-09	**97-302SS**	Stainless Steel Kit
LINE 93	360 C.I. (5.9L) OHV 16V Vin 7,N,P AMC			1970-91 V8 BORE - 4.08"/103.6mm
Valve	Exh	1970-70	**10-1047**	1.625 Head Dia. 1 Groove
	Exh	1973-74	**10-1257**	1.680 Head Dia. 1 Groove.
	Exh	1975-91	**10-1326**	1.680 Head Dia. 0.3714T Stem. 4G.
	Exh	1975-91	**10-1326+15**	1.680 Head Dia. 0.3864T Stem. 4G.
	Int	1973-91	**10-1258**	2.025 Head Dia. 0.372 Stem. 4G
	Int	1973-91	**10-1258+15**	2.025 Head Dia. 0.387 Stem. 4G
Valve Seat Insert	Exh	1970-70	**20-1687-2**	1-7/16 I.D. 1-1 1/16 O.D. 7/32 Depth. w/ 1.625 Valve Head Dia.
	Exh	1970-91	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.680 Valve Head Dia.
	Int	1970-91	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Exh	1970-91	**30-6113**	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.
	Exh	1977-78	**30-7279**	2.375 OAL 0.3730 I.D. 0.5020 O.D.
	Exh	1976-78	**30-7298**	2.375 OAL Plain 0.3730 I.D. 0.5020 O.D.
	Exh	1970-91	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
	Exh	1970-78	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
	Int	1970-88	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Int	1970-91	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1978-91	**32-1082**	2.035 Free Length. Jeep
	Exh	1973-75	**32-807**	2.000 Free Length.
Keeper	Both	1970-72	**34-613**	Exc. Exh. 1971-72. 1 Groove. Heat Treated.
	Both	1973-91	**34-766**	Exc. Exh. 1973-74, 4G 3/8 Stem
	Exh	1973-74	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1970-91	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1970-91	**38-921-25**	Polyacrylic. 2-Ring. Nitrile Matl. 38-921-15 Also Avail.
	Both	1970-91	**38-930-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1970-88	**40-2892**	Rocker Arm, LH. Stamped

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 93	360 C.I. (5.9L) OHV 16V Vin 7,N,P AMC			1970-91 V8 BORE - 4.08"/103.6mm
Rocker Component	Both	1970-88	40-2893	Rocker Arm, RH. Stamped
	Both	1974-91	42-1718	Rocker Comp, Steel Bridge
	Both	1970-73	42-4403	Stud, 7/16-14 x 3/8-24 Hex
Retainer	Both	1970-91	55-6318	Chrome Moly. 1.340 O.D. 3/8 Stem
Push Rod	Both	1972-78	74-6034	7.793 Length
Expansion Plug Kit		1970-91	97-2	Steel Kit.
		1970-91	97-2B	Brass Kit.
LINE 94	360 C.I. (5.9L) 16V Vin 356 Car/Truck/MH			1958-92 V8 BORE - 4.00"/101.6mm
Valve	Exh	1960-77	10-1017	1.500 Head Dia. 0.4335 Stem. 5.690 OAL. No Stellite. 2G
	Exh	1960-77	10-1017S	1.500 Head Dia. Stellite. 2G.
	Exh	1976-77	10-1156	1.740 Head Dia. 4G. Vin 3, Motor Home.
	Exh	1971-80	10-1307	1.600 Head Dia. 0.3715 Stem. 5.006 OAL. 4G.
	Exh	1971-80	10-1307+15	1.600 Head Dia. 0.3865 Stem. 5.006 OAL. 4G.
	Exh	1971-80	10-1307+30	1.600 Head Dia. 0.4015 Stem. 5.006 OAL. 4G.
	Exh	1971-80	10-1307+5	1.600 Head Dia. 0.3765 Stem. 5.006 OAL. 4G.
	Exh	1971-79	10-1309	1.600 Head Dia. 2G. Vin 3, Motor Home.
	Exh	1975-77	10-1312S	Vin 5, 6. 1.517 Head Dia. 2G.
	Exh	1978-89	10-1417	1.617 Head Dia. 0.3716 Stem 4.995 OAL. 2G. 4BC HD
	Exh	1978-89	10-1417+15	1.617 Head Dia. 0.386 Stem 4.995 OAL. 2G. 4BC HD
	Exh	1978-89	10-1417+5	1.617 Head Dia. 0.376 Stem 4.995 OAL. 2G. 4BC HD
	Exh	1958-66	10-520	1.600 Head Dia. 4G
	Exh	1960-77	10-576	1.500 Head Dia. 0.4335 Stem. 5.690 OAL. 2G
	Int	1971-77	10-1180	1.880 Head Dia. 0.3725 Stem. 2G. HD & Police 4BC
	Int	1971-77	10-1180+15	1.880 Head Dia. 0.3875 Stem. 2G. HD & Police 4BC
	Int	1971-77	10-1180+3	1.880 Head Dia. 0.3755 Stem. 2G. HD & Police 4BC
	Int	1971-77	10-1180+30	1.880 Head Dia. 0.4025 Stem. 2G. HD & Police 4BC
	Int	1975-79	10-1186	1.811 Head Dia. 0.3725 Stem. 2G.
	Int	1975-79	10-1186+15	1.811 Head Dia. 0.3875 Stem. 2G.
	Int	1958-66	10-548	2.080 Head Dia. 2G
	Int	1960-77	10-577	1.880 Head Dia. 0.3725 Stem. 5.668 OAL. 4G
	Int	1960-77	10-577+5	1.880 Head Dia. 0.3775 Stem. 5.668 OAL. 4G
Valve Seat Insert	Exh	1975-77	20-1625-2	Vin 5, 6. 1-3/8 I.D. 1-5/8 O.D. 1/4 Depth.
	Exh	1993-03	20-1687-16	1-7/16 I.D. 1-11/16 O.D. 3/16 Depth. w/ 1.624 Valve Head Dia.
	Exh	1971-92	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.617 Valve Head Dia.
	Exh	1971-92	20-1687-2N	Nickel For LPG, Motor Home. Same Dims. As 20-1687-2
	Exh	1958-66	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1976-79	20-1875-1	Vin 3, Motor Home. 1-5/8 I.D. 1-7/8 O.D. 1/4 Depth. w/ 1.740 Valve Head Dia.
	Int	1976-79	20-1937-1	Vin 3, 5, 6, Motor Home. 1-11/16 I.D. 1-15/16 O.D. 1/4 Depth.
	Int	1960-92	20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1960-92	20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1958-66	20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.
	Exh	1960-77	22-1624-1N	1-21/64 I.D. 1.6245 O.D. 3/8 Depth. Nickel
Guide	Both	1958-92	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Both	1960-92	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1958-66	30-6113	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 94	360 C.I. (5.9L) 16V Vin 356 Car/Truck/MH			1958-92 V8 BORE - 4.00"/101.6mm
Guide	Int	1958-77	30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
Spring	Both	1993-03	32-1278	1.967 Free Length. Conical Style
	Both	1971-89	32-672	2.000 Free Length. 71-74, 76-80 All Exc. Hi-Perf. Eng. w/o Rotator
	Both	1974-81	32-901-D	1.940 Free Length. 75 Hi-Perf, 76 Hi-Perf. w/o Calif. Emis.
	Exh	1970-83	32-1061	1.810 Free Length. Use w/ Rotator
	Int	1989-92	32-1246	2.160 Free Length.
Keeper	Both	1958-92	34-746	2G. Exh 89-92
	Int	1958-92	34-766	4G. Heat Treated
Lifter	Both	1971-88	36-2011CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron
	Both	1989-92	36-2269	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install
	Both	1969-77	36-976	Hydraulic. From S/N 21680000. 1 Groove O.D.
Valve Stem Seal	Both	1988-92	38-803-45	Viton. Metal Clad. 3/8 Stem x 0.640
	Both	1958-77	38-921-25	Polyacrylic. 2-Ring.
	Exh	1971-92	38-254-45	Viton. Umbrella.
	Exh	1971-80	38-780-25	Polyacrylic. Umbrella.
	Int	1971-92	38-253-45	Viton. Umbrella.
	Int	1971-80	38-928-25	Polyacrylic. Umbrella.
	Int	1971-92	38-940-45	Viton. 2-Ring.
Rocker Component	Both	1958-77	40-2850	Rocker Arm. Stamped. LH
	Both	1958-77	40-2851	Rocker Arm. Stamped. RH
	Both	1971-88	40-2892	Rocker Arm, LH. Stamped
	Both	1971-88	40-2893	Rocker Arm, RH. Stamped
	Both	1971-88	42-2661	Rocker Shaft. 2 Required w/ Hyd. Lifter
	Both	1958-77	42-2701	Rocker Shaft. 2 Required
Retainer	Both	1958-89	55-6318	Chrome Moly. 1.340 O.D. 3/8 Stem
Push Rod	Both	1971-88	74-6324	7.500 Length
	Both	1989-91	74-6381	6.776 Length. Use w/ Roller Lifters
Expansion Plug Kit		1958-77	97-12	Steel Kit.
		1958-77	97-12B	Brass Kit.
LINE 95	360 C.I. (5.9L) OHV 16V Magnum Vin Z			1993-03 V8 BORE - 4.00"/102.0mm
Valve	Exh	1993-03	10-1715	1.624 Head Dia. 0.3115 Stem. 4.920 OAL. 1G.
	Exh	1993-03	10-1715+15	1.624 Head Dia. 0.3265 Stem. 4.920 OAL. 1G.
	Exh	1993-03	10-1715+3	1.624 Head Dia. 0.3145 Stem. 4.920 OAL. 1G.
	Int	1993-03	10-1714	1.920 Head Dia. 0.3115 Stem. 4.906 OAL. 1G.
	Int	1993-03	10-1714+15	1.920 Head Dia. 0.3265 Stem. 4.906 OAL. 1G.
	Int	1993-03	10-1714+3	1.920 Head Dia. 0.3145 Stem. 4.906 OAL. 1G.
Valve Seat Insert	Exh	1993-03	20-1687-16	1-7/16 I.D. 1-11/16 O.D. 3/16 Depth.
	Int	1993-03	20-2000-36	1-3/4 I.D. 2.000 O.D. 3/16 Depth. w/ 1.940 Valve Head Dia.
Guide	Exh	1993-03	30-8494	2.436 OAL. 0.3135 I.D. w/ 0.3115 Stem. w/ Seal Boss
	Int	1993-03	30-7847	2.250 OAL. w/ 0.3115 Stem Dia. Seal Boss
Spring	Both	1993-03	32-1278	1.967 Free Length, Conical.
Keeper	Both	1993-03	34-217	0.311 Stem Dia. 1 Round Groove. Heat Treated
Lifter	Both	1993-03	36-2269	Hydraulic Roller
Valve Stem Seal	Both	1993-03	38-802-45	Viton. Metal Clad. For 5/16 Stem
Push Rod	Both	1993-03	74-6462	6.900 Length

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 95	360 C.I. (5.9L) OHV 16V Magnum Vin Z			1993-03 V8	BORE - 4.00"/102.0mm
Expansion Plug Kit		1993-03	97-11	Steel Kit.	
		1993-03	97-11B	Brass Kit.	
LINE 96	370 C.I. (6.1L) OHV 16V Vin 3,W Hemi			2005-10 V8	BORE - 4.06"/103.0mm
Valve	Exh	2005-10	10-13207	1.595 Head Dia. 0.313 Stem	
	Int	2005-10	10-13206	2.079 Head Dia. 0.313 Stem	
Guide	Both	2005-10	30-3165	2.185 OAL. 0.3142 I.D. 0.5250 O.D.	
Spring	Exh	2005-10	32-6628	2.024 Free Length 0.826T I.D. 1.272T O.D.	
	Int	2005-10	32-6627	2.134 Free Length 0.807T I.D. 1.260T O.D.	
Keeper	Both	2005-10	34-00515	3 Round Beads. 0.313 Stem	
Valve Stem Seal	Both	2005-10	38-345-55	Top Hat. Viton	
Retainer	Both	2005-10	55-7711	Chrome Moly	
Push Rod	Exh	2005-10	74-6664	7.867 Length	
	Int	2005-10	74-6665	6.647 Length	
LINE 97	376 C.I.(6.2L) OHV 16V Vin 9 S/C			2015-25 V8	BORE - 4.09"/103.9mm
Valve	Exh	2015-25	10-30822	1.654 Head Dia. 3G. 0.312 Stem	
	Int	2015-25	10-30821	2.138 Head Dia. 3G. 0.312 Stem	
Guide	Both	2015-25	30-3156	2.185 OAL. 0.3145 I.D. 0.5250 O.D.	
Spring	Both	2015-25	32-5024	2.370 Free Length. Conical. w/ 1mm Seat	
Keeper	Both	2015-25	34-00515	3 Round Beads. 0.313 Stem	
Lifter	Both	2015-25	36-7103K	Hydraulic Roller Kit. w/ MDS Engine. Front 4 Lifter Assy. w/ Cradle	
	Both	2015-25	36-7104K	Hydraulic Roller Kit. w/ MDS Engine. Rear 4 Lifter Assy. w/ Cradle	
Valve Stem Seal	Both	2015-25	38-812-45	Viton. Metal Clad. 0.315 Stem. 0.472 Guide OD	
Rocker Component	Exh	2015-25	42-1553E	Rocker Arm Shaft Assy. OE # 53021553AB	
	Int	2015-25	42-1552I	Rocker Arm Shaft Assy. OE # 53021552AB	
Retainer	Both	2015-25	55-7711	Chrome Moly	
Push Rod	Exh	2015-25	74-6668	8.085 Length. 0.075 Thick Wall	
	Int	2015-25	74-6667	6.792 Length. 0.075 Thick Wall	
LINE 98	383 C.I. (6.3L) OHV 16V Vin 8, G, H, J, L, N			1959-71 V8	BORE - 4.25"/108.0mm
Valve	Exh	1968-71	10-1156	1.740 Head Dia. 4G	
	Exh	1959-67	10-520	1.600 Head Dia. 4G	
	Int	1959-71	10-548	2.080 Head Dia. 2G	
Valve Seat Insert	Exh	1959-67	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.600 Valve Head Dia. Al	
	Exh	1968-71	20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth. w/ 1.740 Valve Head Dia.	
	Int	1959-71	20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Both	1959-71	30-6113	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.	
	Both	1959-71	30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
Spring	Both	1968-71	32-891-D	2.230 Free Length. w/ 4BC.	
Keeper	Exh	1959-71	34-766	4G. Heat Treated	
	Int	1968-71	34-746	2G. Heat Treated	
Lifter	Both	1968-71	36-976	Hydraulic	
Valve Stem Seal	Exh	1959-71	38-780-25	Polyacrylic. Umbrella.	
	Int	1959-71	38-928-25	Polyacrylic. Umbrella.	
Rocker Component	Both	1959-71	40-2850	Rocker Arm. Stamped. LH	
	Both	1959-71	40-2851	Rocker Arm. Stamped. RH	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 98	**383 C.I. (6.3L) OHV 16V Vin 8, G, H, J, L, N**			**1959-71 V8 BORE - 4.25"/108.0mm**
Rocker Component	Both	1959-71	**42-2701**	Rocker Shaft. 2 Required
Push Rod	Both	1968-71	**74-6321**	8.575 Length
Expansion Plug Kit		1959-71	**97-12**	Steel Kit.
		1959-71	**97-12B**	Brass Kit.
LINE 99	**390 C.I. (6.4L) OHV 16V Vin W,X,Y AMC**			**1968-70 V8 BORE - 4.17"/105.8mm**
Valve	Exh	1968-70	**10-1047**	1.625 Head Dia. 1 Groove, To Early 1970
Valve Seat Insert	Exh	1968-70	**20-1687-2**	1-7/16 I.D. 1-1 1/16 O.D. 7/32 Depth. w/ 1.625 Valve Head Dia.
	Exh	1970-70	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.680 Valve Head Dia.
	Int	1968-70	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth.
	Int	1968-70	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Both	1968-70	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Both	1968-70	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1968-70	**32-883**	2.230 Free Length.
	Both	1968-70	**32-991**	2.068 Free Length.
Keeper	Both	1968-70	**34-613**	1 Groove. Heat Treated
Lifter	Both	1968-70	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1968-70	**38-921-25**	Polyacrylic. 2-Ring.
	Both	1968-70	**38-930-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1968-70	**42-4403**	Stud, 3/8-24 x7/16-14 x2.25
Push Rod	Both	1970-70	**74-6034**	7.798 Length
Expansion Plug Kit		1968-70	**97-2**	Steel Kit.
		1968-70	**97-2B**	Brass Kit.
LINE 100	**392 C.I. (6.4L) OHV 16V Vin J Hemi FI**			**2011-25 V8 BORE - 4.09"/103.9mm**
Valve	Exh	2011-25	**10-30822**	1.654 Head Dia. 3G. 0.312 Stem
	Int	2011-25	**10-30821**	2.138 Head Dia. 3G. 0.312 Stem
Guide	Both	2011-25	**30-3156**	2.185 OAL. 0.3145 I.D. 0.5250 O.D.
Spring	Both	2011-25	**32-5024**	2.370 Free Length. Conical. w/ 1mm Seat
Keeper	Both	2011-25	**34-00515**	0.313 Stem Dia. 3 Round Beads.
Lifter	Both	2011-25	**36-7103K**	Hydraulic Roller Kit. w/ MDS Engine. Front 4 Lifter Assy. w/ Cradle
	Both	2011-25	**36-7104K**	Hydraulic Roller Kit. w/ MDS Engine. Rear 4 Lifter Assy. w/ Cradle
Rocker Component	Exh	2011-25	**42-1553E**	Rocker Arm Shaft Assy. OE # 53021553AB
	Int	2011-25	**42-1552I**	Rocker Arm Shaft Assy. OE # 53021552AB
Retainer	Both	2011-25	**55-7711**	Chrome Moly
Push Rod	Exh	2011-25	**74-6668**	8.085 Length. 0.075 Thick Wall
	Int	2011-25	**74-6667**	6.792 Length. 0.075 Thick Wall
LINE 101	**392 C.I. (6.4L) OHV 16V**			**1957-58 V8 BORE - 4.00"/101.0mm**
Guide	Exh	1957-58	**30-1740**	2.813 OAL. 0.6895 O.D. 0.3745 I.D.
	Int	1957-58	**30-1803**	2.938 OAL. 0.6895 O.D. 0.3745 I.D.
LINE 102	**400 C.I. (6.6L) OHV 16V Vin J,M,N,P**			**1972-78 V8 BORE - 4.34"/110.3mm**
Valve	Exh	1972-78	**10-1156**	1.740 Head Dia. 4G
	Int	1972-78	**10-548**	2.080 Head Dia. 2G
Valve Seat Insert	Exh	1972-78	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth
	Int	1972-78	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.
Guide	Both	1972-78	**30-6113**	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 102	**400 C.I. (6.6L) OHV 16V Vin J,M,N,P**			**1972-78 V8 BORE - 4.34"/110.3mm**
Guide	Both	1972-78	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
Spring	Both	1972-78	**32-891-D**	2.230 Free Length. Hi-Perf. Eng.
Keeper	Exh	1972-78	**34-766**	4G. Heat Treated
	Int	1972-78	**34-746**	2G. Heat Treated
Lifter	Both	1972-78	**36-976**	Hydraulic
Valve Stem Seal	Exh	1972-78	**38-254-45**	Viton. Umbrella.
	Exh	1972-78	**38-780-25**	Polyacrylic. Umbrella.
	Int	1972-78	**38-253-45**	Viton. Umbrella.
	Int	1972-78	**38-928-25**	Polyacrylic. Umbrella.
Rocker Component	Both	1972-78	**40-2850**	Rocker Arm. Stamped. LH
	Both	1972-78	**40-2851**	Rocker Arm. Stamped. RH
	Both	1972-78	**42-2701**	Rocker Shaft. 2 Required
Push Rod	Both	1972-78	**74-6321**	8.575 Length
Expansion Plug Kit		1972-78	**97-12**	Steel Kit.
		1972-78	**97-12B**	Brass Kit.
LINE 103	**401 C.I. (6.6L) OHV 16V Vin Z AMC**			**1971-78 V8 BORE - 4.17"/106.0mm**
Valve	Exh	1973-74	**10-1257**	1.680 Head Dia. Car, 1974 Jeep, Use w/ Rotator. 1 Groove. 0.372 Stem
	Exh	1974-78	**10-1326**	1.680 Head Dia. 0.3714T Stem. 4G. Exc. '74 Jeep
	Exh	1974-78	**10-1326+15**	1.680 Head Dia. 0.3864T Stem. 4G. Exc. '74 Jeep
	Int	1973-78	**10-1258**	2.025 Head Dia. 0.372 Stem. 4G
	Int	1973-78	**10-1258+15**	2.025 Head Dia. 0.387 Stem. 4G
Valve Seat Insert	Exh	1971-78	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1971-78	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1971-78	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Both	1971-78	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Exh	1971-78	**30-6113**	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.
	Exh	1978-78	**30-7298**	2.375 OAL. 0.373 Plain I.D. 0.502 O.D.
	Exh	1971-78	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.
	Exh	1971-78	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
Keeper	Both	1971-72	**34-613**	1 Groove. Heat Treated. 0.372 Stem
	Both	1973-78	**34-766**	4G. Heat Treated
Lifter	Both	1971-78	**36-2011CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1971-78	**38-530-15**	Nitrile. Umbrella.
	Both	1971-78	**38-530-25**	Polyacrylic. Umbrella.
	Both	1971-78	**38-530-45**	Viton. Umbrella.
	Both	1971-78	**38-921-25**	Polyacrylic. 2-Ring.
	Both	1971-78	**38-930-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1974-78	**42-1718**	Rocker Comp, Steel Bridge
	Both	1971-73	**42-1786**	Rocker Comp. Nut 3/8x24 Adj.
	Both	1971-76	**42-4403**	Stud, 3/8-24 x7/16-14 x2.25
Push Rod	Both	1971-78	**74-6034**	7.798 Length
Expansion Plug Kit		1971-78	**97-2**	Steel Kit.
		1971-78	**97-2B**	Brass Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 104	**6690cc (6.7L) OHV 24V ISB D TRB (Cummins)**			**2007-25 L6 BORE - 4.21"/107.0mm**
Valve Kit	Both	2007-25	**10-VKCUMISBA-5**	Kit for Assy., 24 Valves, Springs, Stem Seals, Retainers, 48 Keepers
Valve	Exh	2007-25	**10-13006**	1.299 Head Dia. 45 Deg. OEM # 3979602
	Exh	2007-25	**10-13161**	1.299 Head Dia. Inconel. 45 Deg. OEM # 3968183, 4089672
	Int	2007-25	**10-2014**	1.299 Head Dia. 30 Deg. OEM # 3940735
Cylinder Head, Stock		2007-25	**16-767241**	Cast Iron. Bare w/ Seats, Guides, Inj. Tubes. Casting # 3977221, 3977225
		2007-25	**16-767241-K1**	Head Kit w/ 1 Head, 24 Valves, Springs, Stem Seals, Retainers, 48 Keepers
Valve Seat Insert	Exh	2007-25	**22-1375-2N**	1.100 I.D. 1.375 O.D. 0.227 Depth. +5,+10,+20 O/S Avail. OEM # 3942299
	Int	2007-25	**22-1375-1**	1.100 I.D. 1.375 O.D. 0.227 Depth. +10 O/S Avail. OEM # 3942298
Guide	Exh	2007-18	**30-3022**	2.018 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal boss length 0.362
	Exh	2007-25	**30-3034**	2.018 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal boss length 0.335
	Exh	2007-25	**30-3081**	2.020 OAL. 0.4395 Optional Straight O.D. (No Flange). No Special Tooling Req.
	Int	2007-18	**30-3021**	1.937 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal boss length 0.362
	Int	2007-25	**30-3033**	1.937 OAL. O.D. 0.5015. Boss O.D. 0.510. Seal Boss length 0.335
	Int	2007-25	**30-3080**	1.937 OAL. 0.4395 Optional Straight O.D. (No Flange). No Special Tooling Req.
Spring	Both	2007-18	**32-04053**	1.824 Free Length. OEM # 4936080
	Both	2019-25	**32-6716**	1.996 Free Length. OEM # 5345531
Keeper	Both	2007-25	**34-5020**	1 Round Bead. OEM # 5011878AA
Lifter	Both	2007-25	**36-7098**	Mechanical. OEM # 3947759
Valve Stem Seal	Both	2007-25	**38-9191-45**	Viton. Top Hat. OEM # 3955393/4
Performance Spring	Both	2007-25	**52-4053**	1.852 Free Length. Ovate Wire. 87 @1.380. 170 @1.030
Retainer	Both	2007-25	**55-3198**	1.065 O.D. 0.275 Stem. OEM # 5011455AA
Push Rod	Both	2007-18	**74-6554**	11.435 Length OEM # 3941253
	Both	2019-25	**74-6557**	11.105 Length. OEM # 5330258
Expansion Plug Kit		2007-25	**97-302SS**	Stainless Steel Kit
LINE 105	**413 C.I. (6.8L) OHV 16V**			**1959-65 V8 BORE - 4.19"/106.0mm**
Valve	Exh	1959-79	**10-1017**	1.500 Head Dia. No Stellite. 2G
	Exh	1959-79	**10-1017S**	1.500 Head Dia. Stellite. 2G.
	Exh	1959-65	**10-520**	1.600 Head Dia. 4G
	Exh	1959-79	**10-576**	1.500 Head Dia. 2G
	Int	1959-65	**10-548**	2.080 Head Dia. 2G
	Int	1959-79	**10-577**	1.880 Head Dia. 0.3725 Stem. 5.668 OAL. 4G
	Int	1959-79	**10-577+5**	1.880 Head Dia. 0.3775 Stem. 5.668 OAL. 4G
Valve Seat Insert	Exh	1959-65	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1959-79	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth.
	Int	1959-79	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1959-65	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.
	Exh	1959-79	**22-1624-1N**	1-21/64 I.D. 1.6245 O D. 3/8 Depth
Guide	Both	1959-65	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Both	1959-65	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Keeper	Exh	1959-65	**34-746**	2G. Heat Treated
	Int	1959-65	**34-766**	4G. Heat Treated
Valve Stem Seal	Both	1959-79	**38-921-25**	Polyacrylic. 2-Ring.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 105	**413 C.I. (6.8L) OHV 16V**				**1959-65 V8 BORE - 4.19"/106.0mm**
Valve Stem Seal	Both	1959-79	**38-940-45**	Viton. 2-Ring.	
	Exh	1959-65	**38-780-25**	Polyacrylic. Umbrella.	
	Int	1959-65	**38-928-25**	Polyacrylic. Umbrella.	
Rocker Component	Both	1959-65	**40-2850**	Rocker Arm. Stamped. LH	
	Both	1959-65	**40-2851**	Rocker Arm. Stamped. RH	
	Both	1959-65	**42-2701**	Rocker Shaft. 2 Required	
Retainer	Both	1959-79	**55-6305**	Chrome Moly. 1.490 O.D. 3/8 Stem	
Expansion Plug Kit		1959-65	**97-12**	Steel Kit.	
		1959-65	**97-12B**	Brass Kit.	
LINE 106	**426 C.I. (7.0L) OHV 16V Vin H,J,R Hemi**				**1965-71 V8 BORE - 4.25"/108.0mm**
Valve	Exh	1963-65	**10-520**	Wedge. 1.600 Head Dia. 4G	
	Int	1963-65	**10-548**	Wedge. 2.080 Head Dia. 2G.	
Guide	Exh	1963-71	**30-6897H**	2.875 OAL. 0.4390 O.D. Heat Treated	
	Int	1963-71	**30-6896H**	2.875 OAL. 0.4390 O.D. Heat Treated	
Spring	Both	1963-71	**32-891-D**	2.230 Free Length.	
Keeper	Exh	1963-65	**34-766**	4G. Heat Treated. Wedge	
	Int	1963-65	**34-746**	2 Round Beads. Wedge	
Lifter	Both	1963-71	**36-2084**	Mechanical High Performance	
Valve Stem Seal	Both	1963-71	**38-1067-75**	All Teflon. 11/32 x 0.530	
Rocker Component	Both	1963-71	**40-2850**	Rocker Arm. LH Stamped. Wedge	
	Both	1963-71	**40-2851**	Rocker Arm. RH Stamped. Wedge	
Expansion Plug Kit		1963-71	**97-12**	Steel Kit.	
		1963-71	**97-12B**	Brass Kit.	
LINE 107	**440 C.I. (7.2L) 16V OHV Vin A,D,K,L,M,T,U,V**				**1966-80 V8 BORE - 4.32"/109.7mm**
Valve	Exh	1966-80	**10-1156**	1.740 Head Dia. 4G	
	Exh	1966-67	**10-520**	1.600 Head Dia. 4G	
	Int	1966-80	**10-548**	2.080 Head Dia. Exc. 1970-72 w/ 3 Or 2BC. 2G.	
Valve Seat Insert	Exh	1966-67	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	
	Exh	1972-80	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth	
	Exh	1966-78	**20-1875-6**	1-5/8 I.D. 1-7/8 O.D. 7/32 Depth.	
	Int	1966-80	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Both	1966-80	**30-6113**	2.375 OAL 0.3745 Plain I.D. 0.5020 O.D.	
	Both	1966-80	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D.	
	Exh	1966-67	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1966-80	**32-891-D**	2.230 Free Length. Hi-Perf.	
Keeper	Exh	1966-80	**34-766**	4G. Heat Treated	
	Int	1966-80	**34-746**	2G. Heat Treated	
Lifter	Both	1966-80	**36-976**	Hydraulic	
Valve Stem Seal	Both	1966-80	**38-253-45**	Viton. Umbrella.	
	Both	1966-78	**38-254-45**	Viton. Umbrella.	
	Exh	1966-78	**38-780-25**	Polyacrylic. Umbrella.	
	Int	1966-80	**38-928-25**	Polyacrylic. Umbrella.	
Rocker Component	Both	1966-79	**40-2850**	Rocker Arm. Stamped. LH	
	Both	1966-79	**40-2851**	Rocker Arm. Stamped. RH	
	Both	1966-79	**42-2701**	Rocker Shaft. 2 Required	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 107	440 C.I. (7.2L) 16V OHV Vin A,D,K,L,M,T,U,V			1966-80 V8	BORE - 4.32"/109.7mm
Retainer	Both	1966-78	55-6305	Chrome Moly. 1.490 O.D. 3/8 Stem	
Push Rod	Both	1973-73	74-6321	8.575 Length. Trucks Exc. Motor Homes	
	Both	1968-79	74-6323	9.315 Length. '68-78 Pass. '74-79 Trucks. '73-77 Motor Homes	
Expansion Plug Kit		1966-80	97-12	Steel Kit.	
		1966-80	97-12B	Brass Kit.	
LINE 108	478 C.I. (7.8L) OHV 16V			1969-77 V8	BORE - 4.50"/114.0mm
Guide	Exh	1969-77	30-8224	3.250 OAL 0.4385 I.D. 0.6920 O.D.	
	Int	1969-77	30-1817	3.063 OAL 0.4385 I.D. 0.6265 O.D.	
LINE 109	488 C.I. (8.0L) OHV 20V Car Vin E			1992-02 V10	BORE - 4.00"/101.6mm
Valve Seat Insert	Exh	1992-02	20-1625-10	1-5/16 I.D. 1-5/8 O.D. 5/16 Depth	
	Int	1992-02	20-2062-23	1-11/16 I.D. 2-1/16 O.D. 3/8 Depth	
Keeper	Both	1992-04	34-217	1 Round Grove. Heat Treated	
Lifter	both	1992-00	36-2269	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install	
Valve Stem Seal	Both	1992-02	38-802-45	Viton. Metal Clad. For 5/16 Stem	
	Int	1992-99	38-940-45	Viton. 2-Ring. Use w/ 0.311 Stem Dia.	
LINE 110	488 C.I. (8.0L) OHV 20V Vin W			1994-03 V10	BORE - 4.00"/101.6mm
Valve	Int	1994-03	10-1781	1.920 Head Dia.	
Valve Seat Insert	Exh	1994-03	20-1687-5N	1-3/8 I.D. 1-11/16 O.D. 7/32 Depth. Nickel	
	Int	1994-03	20-2062-18	1-9/16 I.D. 2-1/16 O.D. 7/32 Depth	
Guide	Exh	1994-03	30-8659	3.081 OAL	
Spring	Both	1994-03	32-1278	1.967 Free Length. Conical Style	
Keeper	Both	1994-03	34-217	0.311 Stem Dia. 1 Round Groove. Heat Treated	
Lifter	Both	1994-03	36-2269	Hydraulic Roller w/ Metering Socket. Rotate Oil Hole Up To Install	
Valve Stem Seal	Exh	1994-03	38-802-45	Viton. Metal Clad. For 5/16 Stem	
	Int	1994-03	38-940-45	Viton. 2-Ring	
Retainer	Both	1994-03	55-6360	Chrome Moly. 1.144 O.D. 5/16 Stem	
LINE 111	505 C.I. (8.3L) OHV 20V Vin H			2004-06 V10	BORE - 4.03"/102.0mm
Keeper	Both	2004-06	34-217	0.313 Stem Dia. 1 Round Groove. Heat Treated	
Valve Stem Seal	Both	2004-06	38-802-45	Viton. Metal Clad. For 5/16 Stem	
LINE 112	515 C.I. (8.4L) OHV 20V			2008-17 V10	BORE - 4.05"/103.0mm
Keeper	Both	2008-17	34-00515	3 Round Beads. 0.313 Stem	
Retainer	Both	2008-17	55-7711	Chrome Moly	

ENGINE	YEAR	CYL.	LINE NO.
995cc (1.0L) SOHC 8V Vin K,M	1996-04	L4	**1**
1588cc (1.6L) DOHC 16V Vin N,Y,6	1999-02	L4	**2**
1598cc (1.6L) 16V C16LZ C16NZ E16SE (Non-USA)	1996-09	L4	**3**
1998cc (2.0L) DOHC 16V X20SE (Isuzu) Vin Z	1999-02	L4	**4**
2200cc (2.2L) DOHC 16V D-Tec X22SE Vin 2	1999-02	L4	**5**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**995cc (1.0L) SOHC 8V Vin K,M**				**1996-04 L4 BORE - 2.70"/68.5mm**
Valve	Exh	1996-04	**10-03034**	1.252 Head Dia.	
	Int	1996-04	**10-03033**	1.401 Head Dia.	
Guide	Both	1996-04	**30-3256**	1.766 OAL.	
Valve Stem Seal	Both	1996-04	**38-701-45**	Viton. Metal Clad.	
LINE 2	**1588cc (1.6L) DOHC 16V Vin N,Y,6**				**1999-02 L4 BORE - 3.11"/79.0mm**
Valve	Exh	1999-02	**10-2250S**	1.021 Head Dia.	
	Int	1999-02	**10-2249**	1.193 Head Dia.	
Guide	Both	1999-02	**30-3046**	1.575 OAL 0.237 I.D.	
Keeper	Both	1999-02	**34-5022**	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	1999-02	**36-7089**	Hydraulic	
Valve Stem Seal	Both	1999-02	**38-6100-55**	Viton. Top Hat	
LINE 3	**1598cc (1.6L) 16V C16LZ C16NZ E16SE (Non-USA)**				**1996-09 L4 BORE - 3.11"/79.0mm**
Valve	Exh		**10-10183**	1.220 Head Dia. Nexia, Racer, Cielo	
	Int		**10-10182**	1.498 Head Dia. 0.2756 Stem.	
Lifter	Both		**36-2056**	Hydraulic Lash Adjuster	
LINE 4	**1998cc (2.0L) DOHC 16V X20SE (Isuzu) Vin Z**				**1999-02 L4 BORE - 3.40"/86.0mm**
Valve	Exh	1999-02	**10-2040S**	1.142 Head Dia. Bi-Metallic, Stellite	
	Int	1999-02	**10-10784**	1.260 Head Dia.	
Guide	Exh	1999-02	**30-3011**	1.378 OAL. Cast Iron.	
	Int	1999-02	**30-3010**	1.773 OAL. Cast Iron.	
	Exh	1999-02	**31-3011**	1.378 OAL. Manganese Bronze.	
	Int	1999-02	**31-3010**	1.773 OAL. Manganese Bronze.	
Spring	Both	1992-02	**32-2488**	1.673 Free Length.	
Keeper	Both	1999-02	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1999-02	**36-7089**	Hydraulic	
Valve Stem Seal	Both	1999-02	**38-1329-45**	Viton. Metal Clad.	
LINE 5	**2200cc (2.2L) DOHC 16V D-Tec X22SE Vin 2**				**1999-02 L4 BORE - 3.40"/ 86.0mm**
Valve	Exh	1999-02	**10-2040S**	1.142 Head Dia. Bi-Metallic, Stellite	
	Int	1999-02	**10-10784**	1.260 Head Dia.	
Guide	Exh	1999-02	**30-3011**	1.378 OAL. Cast Iron.	
	Int	1999-02	**30-3010**	1.773 OAL. Cast Iron.	
Spring	Both	1999-02	**32-2488**	1.673 Free Length.	
Keeper	Both	1999-02	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1999-02	**36-7089**	Hydraulic	
Valve Stem Seal	Both	1999-02	**38-1329-45**	Viton. Metal Clad.	

ENGINE	YEAR	CYL.	LINE NO.
1116cc (1.1L) SOHC 8V 128A	1971-73	L4	**1**
1290cc (1.3L) SOHC 8V 128AS	1972-79	L4	**2**
1368cc (1.4L) SOHC 16V Multiair	2011-20	L4	**3**
1438cc (1.4L) DOHC 8V 124AC	1969-70	L4	**4**
1498cc (1.5L) SOHC 8V 138A2	1979-83	L4	**5**
1592cc (1.6L) DOHC 8V 132AC	1973-74	L4	**6**
1596cc (1.6L) DOHC 16V (Non-USA)	1997-05	L4	**7**
1608cc (1.6L) DOHC 8V 125BC	1971-73	L4	**8**
1756cc (1.8L) DOHC 8V 132A1	1974-78	L4	**9**
1995cc (2.0L) DOHC 8V 132C2	1979-85	L4	**10**
2287cc (2.3L) DOHC 16V Diesel F1AE (non-USA)	2001-12	L4	**11**
2360cc (2.4L) SOHC 16V Vin B,T Tigershark	2016-18	L4	**12**
2998cc (3.0L) DOHC 16V Diesel Vin D	2014-18	L4	**13**
3.0L DOHC 16V Diesel 160 Multijet F1C (non-USA)	2006-14	L4	**14**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1116cc (1.1L) SOHC 8V 128A**				**1971-73 L4 BORE - 3.15"/80.0mm**
Valve Seat Insert	Int	1971-73	**21-1500-65**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
LINE 2	**1290cc (1.3L) SOHC 8V 128AS**				**1972-79 L4 BORE - 3.39"/86.0mm**
Valve Seat Insert	Int	1972-79	**21-1500-65**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Expansion Plug Kit		1972-79	**97-36**	Steel Kit.	
		1972-79	**97-36B**	Brass Kit.	
LINE 3	**1368cc (1.4L) SOHC 16V Multiair**				**2011-20 L4 BORE - 2.84"/72.0mm**
Valve	Exh	2011-17	**10-13478S**	0.885 Head Dia. OEM # 04892677AB	
	Int	2011-18	**10-13477**	1.059 Head Dia. OEM # 04892676AB	
Keeper	Both	2011-20	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2011-20	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 4	**1438cc (1.4L) DOHC 8V 124AC**				**1969-70 L4 BORE - 3.15"/80mm**
Valve Seat Insert	Int	1969-70	**21-1750-53**	1.390T I.D. 1-3/4 O.D. 0.250 Depth	
LINE 5	**1498cc (1.5L) SOHC 8V 138A2**				**1979-83 L4 BORE - 3.40"/86.4mm**
Valve Seat Insert	Int	1979-83	**21-1500-65**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Expansion Plug Kit		1979-83	**97-36**	Steel Kit.	
		1979-83	**97-36B**	Brass Kit.	
LINE 6	**1592cc (1.6L) DOHC 8V 132AC**				**1973-74 L4 BORE - 3.15"/80.0mm**
Valve Seat Insert	Int	1973-74	**21-1750-53**	1.390T I.D. 1-3/4 O.D. 0.250 Depth	
LINE 7	**1596cc (1.6L) DOHC 16V (Non-USA)**				**1997-05 L4 BORE - 3.17"/80.5mm**
Valve	Exh	1997-05	**10-3075**	1.175 Head Dia. Bravo, Marea, Palio, Stilo	
	Int	1997-05	**10-3074**	1.196 Head Dia. Bravo, Marea, Palio, Stilo	
LINE 8	**1608cc (1.6L) DOHC 8V 125BC**				**1971-73 L4 BORE - 3.15"/80.0mm**
Valve Seat Insert	Int	1971-73	**21-1750-53**	1.390T I.D. 1-3/4 O.D. 0.250 Depth	
LINE 9	**1756cc (1.8L) DOHC 8V 132A1**				**1974-78 L4 BORE - 3.31"/84.0mm**
Valve Seat Insert	Int	1974-78	**21-1750-53**	1.390T I.D. 1-3/4 O.D. 0.250 Depth	
LINE 10	**1995cc (2.0L) DOHC 8V 132C2**				**1979-85 L4 BORE -3.31"/84.0mm**
Valve Seat Insert	Int	1979-85	**21-1750-53**	1.390T I.D. 1-3/4 O.D. 0.250 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 11	**2287cc (2.3L) DOHC 16V Diesel F1AE (non-USA)**			**2001-12 L4**	**BORE -**
Valve	Exh	2001-12	**10-30837**	1.181 Head Dia. 0.235 Stem. 4.742 OAL	
	Int	2001-12	**10-30838**	1.181 Head Dia. 0.235 Stem. 4.742 OAL	
LINE 12	**2360cc (2.4L) SOHC 16V Vin B,T Tigershark**			**2016-18 L4**	**BORE - 3.46"/90.4mm**
Valve	Exh	2016-18	**10-13402**	1.142 Head Dia. 0.2150 Stem. 4.728 OAL	
	Int	2016-18	**10-13401**	1.417 Head Dia. 0.2154 Stem 4.299 OAL	
Spring	Exh	2016-18	**32-6682**	1.834 Free Length	
	Int	2016-18	**32-6681**	1.680 Free Length.	
Keeper	Both	2016-18	**34-5143**	3 Round Beads. 0.214 Stem	
Lifter	Both	2016-18	**36-7561**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2016-18	**38-7001-55**	Viton. Top Hat. 5.5mm x 0.435	
LINE 13	**2998cc (3.0L) DOHC 16V Diesel Vin D**			**2014-18 L4**	**BORE - 3.77"/95.8mm**
Keeper	Both	2014-18	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
LINE 14	**3.0L DOHC 16V Diesel 160 Multijet F1C (non-USA)**			**2006-14 L4**	**BORE - 3.77"/95.8mm**
Valve	Exh	2006-14	**10-30839**	1.233 Head Dia. 0.235 Stem. 4.722 OAL. OEM # 504238928	
	Int	2006-14	**10-30840**	1.274 Head Dia. 0.235 Stem. 4.722 OAL. OEM # 504238926	

ENGINE	YEAR	CYL.	LINE NO.
224 C.I. (3.7L) Ford Marine 8V		L4	1
289 C.I. (4.7L) Ford Marine 16V		V8	2
302 C.I. (5.0L) Ford Marine 16V		V8	3
351 C.I. (5.8L) Ford Marine 16V		V8	4
429 C.I. (7.0L) Ford Marine 16V		V8	5
460 C.I. (7.5L) Ford Marine 16V		V8	6

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**224 C.I. (3.7L) Ford Marine 8V**				L4 BORE - 4.36"/110.7mm
Valve	Exh		**10-1271**	1.654 Head Dia. 4.983 OAL.	
	Exh		**10-1271+3**	1.654 Head Dia. 4.983 OAL.	
	Int		**10-1272**	2.083 Head Dia. 0.3419 Stem. 5.198 OAL.	
	Int		**10-1272+15**	2.083 Head Dia. 5.198 OAL.	
	Int		**10-1272+3**	2.083 Head Dia. 5.198 OAL.	
Valve Seat Insert	Exh		**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.	
	Int		**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Both		**30-5606**	2.375 OAL. Plain 0.3440 I.D. 0.5020 O.D.	
	Both		**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both		**32-991**	2.068 Free Length.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both		**38-240-25**	Polyacrylic. O-Ring.	
Rocker Component	Both		**40-2888**	Rocker Arm, Stamped w/ Oil Deflector	
Rocker Kit	Both		**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot	
Push Rod	Both		**74-6274**	8.550 Length	
LINE 2	**289 C.I. (4.7L) Ford Marine 16V**				V8 BORE - 4.00"/101.6mm
Valve	Exh		**10-1000**	1.451 Head Dia. 4.873 OAL.	
	Exh		**10-1000+15**	1.451 Head Dia. 4.873 OAL.	
	Int		**10-1001**	1.781 Head Dia. 4.873 OAL.	
	Int		**10-1001+3**	1.781 Head Dia. 4.873 OAL.	
Valve Seat Insert	Exh		**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh		**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both		**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both		**32-786-D**	2.047 Free Length. w/ Damper	
	Both		**32-902**	1.970 Free Length.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Rocker Component	Both		**40-2886**	Rocker Arm, Cast w/ Rails.	
Expansion Plug Kit			**97-17**	Steel Kit.	
			97-17B	Brass Kit.	
LINE 3	**302 C.I. (5.0L) Ford Marine 16V**				V8 BORE - 4.00"/101.6mm
Valve	Exh		**10-1000**	1.451 Head Dia. 4.873 OAL.	
	Exh		**10-1000+15**	1.451 Head Dia. 4.873 OAL.	
	Exh		**10-1135**	1.451 Head Dia. 5.070 OAL.	
	Exh		**10-1135+15**	1.451 Head Dia. 5.070 OAL.	
	Exh		**10-1135+3**	1.451 Head Dia. 5.070 OAL.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 3	302 C.I. (5.0L) Ford Marine 16V				V8 BORE - 4.00"/101.6mm
Valve	Exh		10-1135+30		1.451 Head Dia. 5.070 OAL.
	Exh		10-1237		1.541 Head Dia. 0.3415 Stem. 5.070 OAL.
	Exh		10-1237+15		1.541 Head Dia. 0.3565 Stem. 5.070 OAL.
	Exh		10-1237+3		1.541 Head Dia. 0.3445 Stem. 5.070 OAL.
	Exh		10-1237+30		1.541 Head Dia. 0.3715 Stem. 5.070 OAL.
	Exh		10-1327		1.460 Head Dia. 0.3414 Stem. 5.070 OAL.
	Exh		10-1327+15		1.460 Head Dia. 0.3564 Stem. 5.070 OAL
	Int		10-1001		1.781 Head Dia. 4.873 OAL.
	Int		10-1137		1.781 Head Dia. 5.050 OAL.
	Int		10-1137+15		1.781 Head Dia. 5.050 OAL.
	Int		10-1137+3		1.781 Head Dia. 5.050 OAL.
	Int		10-1137+30		1.781 Head Dia. 5.050 OAL.
	Int		10-1328		1.782 Head Dia. 0.3419 Stem. 5.070 OAL
	Int		10-1328+15		1.782 Head Dia. 0.3569 Stem. 5.070 OAL
	Int		10-1328+3		1.782 Head Dia. 0.3449 Stem. 5.070 OAL
	Int		10-1328+30		1.782 Head Dia. 0.3719 Stem. 5.070 OAL
Valve Seat Insert	Exh		20-1562-1		1-5/16 I.D 1-9/16 O.D. 7/32 Depth, w/ 1.460 Head.
	Exh		20-1562-1N		1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. w/ 1.541 Head. +5, 10, 15, 30 O/S Avail. Nickel.
	Exh		20-1625-1		1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. w/ 1.541 Head. +5, 10, 15, 30 O/S Avail.
	Int		20-1812-3		1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Both		30-5607		2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both		30-9607		2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both		32-902		1.970 Free Length.
	Exh		32-1086		1.923 Free Length. 0.185 Wire Dia. Use w/ Rotator
	Int		32-1011		2.060 Free Length.
Keeper	Both		34-555		1 Square Groove. Heat Treated
Lifter	Both		36-900CCI		Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both		38-1054-70		Teflon And Rubber
	Both		38-1066-75		All Teflon. 11/32 x 0.530
	Both		38-1090-75		All Teflon. 11/32 x 0.500
	Both		38-810-45		Viton. Ring And Band.
	Both		38-915-25		Polyacrylic. Umbrella.
	Both		38-938-25		Polyacrylic. Ring And Band.
	Both		38-938-45		Viton. Ring And Band. Use w/ 0.552 O.D. Guide
Rocker Component	Both		40-2886		Rocker Arm, Cast w/ Rails
	Both		40-2889		Rocker Arm, Stamped
Rocker Kit	Both		41-2548		1 40-2889, 1 42-1741 Bolt, 1 42-1776 Pivot
	Both		41-2610		1 40-2886, 1 42-1772Gd Ball, 1 42-1786 3/8 Nut, 1 42-1791 5/16 Nut
Push Rod	Both		74-6281		6.876 Length
	Both		74-6458		6.400 Length Retrofit Hyd. Roller
Expansion Plug Kit			97-17		Steel Kit.
			97-17B		Brass Kit.
LINE 4	351 C.I. (5.8L) Ford Marine 16V				V8 BORE - 4.00"/101.6mm
Valve	Exh		10-1237		1.541 Head Dia. 0.3415 Stem. 5.070 OAL.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	351 C.I. (5.8L) Ford Marine 16V				V8 BORE - 4.00"/101.6mm
Valve	Exh		10-1237+15	1.541 Head Dia. 0.3565 Stem. 5.070 OAL.	
	Exh		10-1237+3	1.541 Head Dia. 0.3445 Stem. 5.070 OAL.	
	Exh		10-1237+30	1.541 Head Dia. 0.3715 Stem. 5.070 OAL.	
	Exh		10-1327	1.460 Head Dia. 0.3414 Stem. 5.070 OAL.	
	Exh		10-1327+15	1.460 Head Dia. 0.3564 Stem. 5.070 OAL	
	Int		10-1238	1.846 Head Dia. 0.3417 Stem. 5.079 OAL	
	Int		10-1238+15	1.846 Head Dia. 0.3567 Stem. 5.079 OAL	
	Int		10-1238+3	1.846 Head Dia. 0.3447 Stem. 5.079 OAL	
	Int		10-1238+30	1.846 Head Dia. 0.3717 Stem. 5.079 OAL	
	Int		10-1328	1.782 Head Dia. 0.3419 Stem. 5.070 OAL	
	Int		10-1328+15	1.782 Head Dia. 0.3569 Stem. 5.070 OAL	
	Int		10-1328+3	1.782 Head Dia. 0.3449 Stem. 5.070 OAL	
	Int		10-1328+30	1.782 Head Dia. 0.3719 Stem. 5.070 OAL	
Valve Seat Insert	Exh		20-1562-1	1-5/16 I.D 1-9/16 O.D. 7/32 Depth, w/ 1.460 Head.	
	Exh		20-1562-1N	1-5/16 I.D 1-9/16 O.D. 7/32 Depth, w/ 1.460 Head. Nickel.	
	Exh		20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Int		20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
	Int		20-1937-17	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth.	
Guide	Both		30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both		30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Exh		32-1086	1.923 Free Length.	
	Int		32-1175	2.040 Free Length.	
Keeper	Exh		34-555	1 Square Groove. Heat Treated	
Lifter	Both		36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both		38-1054-70	Teflon And Rubber	
	Both		38-1090-75	All Teflon. 11/32 x 0.500	
	Both		38-810-45	Viton. Ring And Band.	
	Both		38-915-25	Polyacrylic. Umbrella.	
	Both		38-925-15	Nitrile. Ring And Band.	
	Both		38-925-25	Polyacrylic. Ring And Band.	
Rocker Component	Both		40-2886	Rocker Arm, Cast w/ Rails	
	Both		40-2889	Rocker Arm, Stamped	
Rocker Kit	Both		41-2548	1 40-2889, 1 42-1741 Bolt, 1 42-1776 Pivot	
	Both		41-2610	1 40-2886, 1 42-1772Gd Ball, 1 42-1786 3/8 Nut, 1 42-1791 5/16 Nut	
Expansion Plug Kit			97-17	Cleveland. Steel Kit.	
			97-17B	Brass Kit.	
			97-18	Windsor, Modified. Steel Kit.	
			97-18B	Brass Kit.	
LINE 5	429 C.I. (7.0L) Ford Marine 16V				V8 BORE - 4.36"/110.7mm
Valve	Exh		10-1102	1.654 Head Dia. 5.080 OAL.	
	Exh		10-1102+15	1.654 Head Dia. 5.080 OAL.	
	Exh		10-1102+3	1.654 Head Dia. 5.080 OAL.	
	Exh		10-1271	1.654 Head Dia. 4.983 OAL.	
	Exh		10-1271+3	1.654 Head Dia. 4.983 OAL.	
	Int		10-1103	2.083 Head Dia. 5.228 OAL.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 5	**429 C.I. (7.0L) Ford Marine 16V**				**V8 BORE - 4.36"/110.7mm**
Valve	Int		**10-1103+3**	2.083 Head Dia. 5.228 OAL.	
	Int		**10-1272**	2.083 Head Dia. 0.3419 Stem. 5.198 OAL.	
	Int		**10-1272+15**	2.083 Head Dia. 0.3569 Stem. 5.198 OAL.	
	Int		**10-1272+3**	2.083 Head Dia. 0.3449 Stem. 5.198 OAL.	
Valve Seat Insert	Exh		**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.	
	Int		**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Both		**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both		**32-961-D**	2.026 Free Length. Hi.-Perf.	
	Both		**32-991**	2.068 Free Length.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Expansion Plug Kit			**97-21**	Steel Kit.	
			97-21B	Brass Kit.	
LINE 6	**460 C.I. (7.5L) Ford Marine 16V**				**V8 BORE - 4.36"/110.7mm**
Valve	Exh		**10-1102**	1.654 Head Dia. 5.080 OAL.	
	Exh		**10-1102+15**	1.654 Head Dia. 5.080 OAL.	
	Exh		**10-1102+3**	1.654 Head Dia. 5.080 OAL.	
	Exh		**10-1271**	1.654 Head Dia. 4.983 OAL.	
	Exh		**10-1271+3**	1.654 Head Dia. 4.983 OAL.	
	Int		**10-1103**	2.083 Head Dia. 5.228 OAL.	
	Int		**10-1103+3**	2.083 Head Dia. 5.228 OAL.	
	Int		**10-1272**	2.083 Head Dia. 0.3419 Stem. 5.198 OAL.	
	Int		**10-1272+15**	2.083 Head Dia. 0.3569 Stem. 5.198 OAL.	
	Int		**10-1272+3**	2.083 Head Dia. 0.3449 Stem. 5.198 OAL.	
Valve Seat Insert	Exh		**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.	
	Int		**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
Guide	Both		**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both		**32-991**	2.068 Free Length.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Expansion Plug Kit			**97-21**	Steel Kit.	
			97-21B	Brass Kit.	

ENGINE	YEAR	CYL.	LINE NO.
61 C.I. (1.0L) DOHC 12V, Vin E TRB	2014-21	L3	**1**
1324cc (1.3L) SOHC 8V (Mazda) Vin K, H	1988-97	L4	**2**
1388cc (1.4L) DOHC 16V Zetec SE (Non-USA)	1995-08	L4	**3**
91 C.I. (1.5L) DOHC 12V TRB Vin 6,N "Dragon"	2020-25	L3	**4**
1499cc (1.5L) DOHC 16V Vin D TRB	2014-20	L4	**5**
1596cc (1.6L) DOHC 16V Vin J	2011-19	L4	**6**
1598cc (1.6L) SOHC 8V (B6 Mazda) Vin 5	1987-89	L4	**7**
98 C.I. (1.6L) SOHC 8V Vin 2	1981-85	L4	**8**
1598cc (1.6L) DOHC 16V Vin 6, Z	1991-94	L4	**9**
1598cc (1.6L) SOHC 8V Zetec-Rocam (Non USA)	1999-09	L4	**10**
1599cc (1.6L) OHV 8V Vin L,W	1971-73	L4	**11**
1599cc (1.6L) OHV 8V Vin F	1978-80	L4	**12**
97 C.I. (1.6L) DOHC 16V TRB Vin R, X	2013-19	L4	**13**
1796cc (1.8L) SOHC 8V (Mazda) Vin A	1972-78	L4	**14**
112 C.I. (1.8L) DOHC 16V (Mazda) Vin 8	1991-96	L4	**15**
116 C.I. (1.9L) SOHC 8V Vin 9, J, K	1985-96	L4	**16**
1979cc (2.0L) SOHC 8V (Mazda) Vin C, 1	1979-82	L4	**17**
122 C.I. (2.0L) SOHC 8V Vin X	1971-74	L4	**18**
122 C.I. (2.0L) SOHC Diesel 8V Vin H (Mazda)	1984-88	L4	**19**
122 C.I. (2.0L) DOHC 16V (Mazda) Vin A	1993-97	L4	**20**
121 C.I. (2.0L) DOHC 16V ZETEC Vin 3,5,B,Z Bifuel	1995-04	L4	**21**
122 C.I. (2.0L) DOHC 16V Vin 2,7,L,N	2005-22	L4	**22**
122 C.I. (2.0L) DOHC 16V Vin 9,U TRB	2012-25	L4	**23**
122 C.I. 2.0L DOHC 16V Vin 4,A TRB	2023-25	L4	**24**
122 C.I. (2.0L) SOHC 8V Vin C	1983-88	L4	**25**
122 C.I. (2.0L) SOHC 8V Vin P	1997-04	L4	**26**
133 C.I. (2.2L) 12V SOHC (Mazda) F2 Vin C	1989-92	L4	**27**
133 C.I. (2.2L) 12V SOHC Turbo (Mazda) Vin L	1989-92	L4	**28**
140 C.I. (2.3L) DOHC 16V Vin D,H (Hybrid), Z Duratec	2001-12	L4	**29**
140 C.I. (2.3L) SOHC 8V Vin ABDMRSTWXY26 (HSC)	1974-97	L4	**30**
140 C.I. (2.3L) OHV Turbo Diesel (Mits.) 8V Vin E	1985-87	L4	**31**
140 C.I. (2.3L) DOHC 16V Vin H TRB	2015-25	L4	**32**
144 C.I. (2.4L) OHV 12V	1960-64	L6	**33**
152 C.I. (2.5L) DOHC 16V (Hybrid) Vin 1,3,7,A,Z	2009-25	L4	**34**
2.5L 8V Diesel Maxion (non-USA)	1996-02	L4	**35**
153 C.I. (2.5L) SOHC 8V Gas Vin C	1998-02	L4	**36**
2507cc (2.5L) DOHC 24V KL Vin B (Mazda)	1993-97	V6	**37**
153 C.I. (2.5L) OHV 8V HSC Vin D	1986-91	L4	**38**
155 C.I. (2.5L) OHV 12V	1972-73	V6	**39**
155 C.I. (2.5L) DOHC 24V Duratec Vin G,L	1995-02	V6	**40**
164 C.I. (2.7L) DOHC 24V TRB Vin P	2015-25	V6	**41**
170 C.I. (2.8L) 12V Vin U	1961-72	L6	**42**
171 C.I. (2.8L) OHV 12V Vin S	1983-86	V6	**43**
171 C.I. (2.8L) OHV 12V Vin Z	1974-79	V6	**44**
177 C.I. (2.9L) OHV 12V Vin T,V	1986-92	V6	**45**
181 C.I. (3.0L) DOHC 24V Vin C,R TRB	2017-25	V6	**46**
2960cc (3.0L) SOHC 12V (Nissan VG30E) Vin W, 1	1993-98	V6	**47**
182 C.I. (3.0L) DOHC 24V Vin 1,G,S Duratec	1996-12	V6	**48**
183 C.I (3.0L) DOHC 24V D Vin 1 Powerstroke TRB	2018-21	V6	**49**
182 C.I. (3.0L) OHV 12V Vin U,V,1,2 Flex	1986-08	V6	**50**
182 C.I. (3.0L) DOHC 24V Vin Y Yamaha SHO	1989-95	V6	**51**
3198cc (3.2L) DOHC 20V D 99V Powerstroke TRB	2015-19	L5	**52**
195 C.I. (3.2L) DOHC 24V Vin P Yamaha SHO	1993-95	V6	**53**
3275cc (3.3L) SOHC (Nissan VG33E) 12V Vin A,T	1999-02	V6	**54**

200 C.I. (3.3L) OHV 12V Vin B,T,X	1963-83	L6	**55**
204 C.I. (3.3L) DOHC 24V Vin B,W	2018-25	V6	**56**
207 C.I. (3.4L) DOHC 32V SHO Vin N	1996-99	V8	**57**
213 C.I. (3.5L) DOHC 24V Vin 4,8,C,D,G,T,W TRB	2007-25	V6	**58**
215 C.I. (3.5L) OHV 12V	1952-53	L6	**59**
221 C.I. (3.6L) OHV 16V	1962-63	V8	**60**
223 C.I. (3.7L) OHV 12V	1954-64	L6	**61**
226 C.I. (3.7L) L-Head 12V	1946-51	L6	**62**
227 C.I. (3.7L) DOHC 24V Vin K,M,R Duratec	2011-20	V6	**63**
232 C.I. (3.8L) OHV 12V Vin C,R,3,4,6	1982-07	V6	**64**
239 C.I. (3.9L) L-Head 16V	1932-53	V8	**65**
239 C.I. (3.9L) OHV 16V	1954-55	V8	**66**
240 C.I. (3.9L) 12V Vin B,E	1965-74	L6	**67**
242 C.I. (3.9L) DOHC 32V Vin A	2000-06	V8	**68**
244 C.I. (4.0L) OHV 12V VGE4 German Vin X	1990-01	V6	**69**
245 C.I. (4.0L) SOHC 12V Vin E,K,N	1997-11	V6	**70**
250 C.I. (4.1L) OHV 12V Vin C, L	1969-80	L6	**71**
255 C.I. (4.2L) OHV 16V Vin D	1980-82	V8	**72**
256 C.I. (4.2L) OHV 12V Vin 2	1997-08	V6	**73**
256 C.I. (4.2L) OHV 16V	1954-55	V8	**74**
255 C.I. (4.2L) L-Head 16V	1948-53	V-8	**75**
260 C.I. (4.3L) OHV 16V	1962-65	V8	**76**
262 C.I. (4.3L) OHV 12V	1961-64	L6	**77**
272 C.I. (4.5L) OHV 16V	1955-62	V8	**78**
275 C.I. (4.5L) Vin Z, LCF MaxxForce 5 24V D TRB	2006-10	V6	**79**
281 C.I. (4.6L) SOHC 16V Vin 6,9,V,W,X CNG Gas/Flex	1992-14	V8	**80**
281 C.I. (4.6L) SOHC 24V Vin 8,H	2005-10	V8	**81**
281 C.I. (4.6L) DOHC 32V Vin A,H,R,V,Y	1993-05	V8	**82**
289 C.I. (4.7L) OHV 16V Vin C	1963-68	V8	**83**
292 C.I. (4.8L) OHV 16V	1955-64	V8	**84**
300 C.I. (4.9L) OHV 12V	1965-96	L6	**85**
300 C.I. (4.9L) OHV 12V LPG Bi-Fuel, FI, Vin Z	1994-96	L6	**86**
302 C.I. (5.0L) DOHC 32V Vin 0,5,F,U	2010-25	V8	**87**
302 C.I. (5.0L) OHV 16V	1956-63	V8	**88**
302 C.I. (5.0L) OHV 16V Carb., F.I. Vin E,F,N,P,T	1968-01	V8	**89**
312 C.I. (5.1L) OHV 16V	1956-60	V8	**90**
315 C.I. (5.2L) DOHC 32V Vin J, Z S/C	2015-25	V8	**91**
318 C.I. (5.2L) OHV 16V	1952-54	V8	**92**
330 C.I. (5.4L) OHV 16V Medium Duty	1964-77	V8	**93**
330 C.I. (5.4L) OHV 16V Heavy Duty	1964-79	V8	**94**
330 C.I. (5.4L) SOHC 16V Vin 3,L,M,W,Z (Gas, CNG)	1997-16	V8	**95**
330 C.I. (5.4L) SOHC 24V Triton Vin 5,V Gas/Flex	2004-14	V8	**96**
330 C.I. (5.4L) DOHC 32V Vin A,R,S	1999-12	V8	**97**
332 C.I. (5.4L) OHV 16V	1956-63	V8	**98**
332 C.I. (5.4L) OHV 16V	1958-59	V8	**99**
335 C.I. (5.5L) 16V (Non-USA)	1969-95	V8	**100**
351 C.I. (5.8L) OHV 16V Lightning Vin R	1993-95	V8	**101**
351 C.I. (5.8L) OHV 16V Windsor Vin G, H, M	1969-97	V8	**102**
351 C.I. (5.8L) OHV 16V Cleveland Vin Q	1970-74	V8	**103**
351 C.I. (5.8L) OHV 16V Modified	1975-81	V8	**104**
352 C.I. (5.8L) OHV 16V	1958-67	V8	**105**
355 C.I. (5.8L) DOHC 32V Vin Z S/C	2013-14	V8	**106**
360 C.I. (5.9L) OHV 16V Vin Y	1968-76	V8	**107**
361 C.I. (5.9L) OHV 16V	1964-78	V8	**108**
363 C.I. (6.0L) OHV 32V Vin P,D TRB Powerstroke	2003-10	V8	**109**
368 C.I. (6.0L) OHV 16V	1956-57	V8	**110**

370 C.I. (6.1L) OHV 16V Vin A, H	1979-91	V8	**111**
379 C.I. (6.2L) SOHC 16V Vin 6	2010-22	V8	**112**
383 C.I. (6.3L) OHV 16V	1958-59	V8	**113**
391 C.I. (6.4L) OHV 32V D (Navistar) Vin R	2008-10	V8	**114**
389 C.I. (6.4L) OHV 16V Vin F	1975-78	V8	**115**
390 C.I. (6.4L) OHV 16V Vin H,M,S,X,Y,Z	1961-76	V8	**116**
391 C.I. (6.4L) OHV 16V Vin F	1964-78	V8	**117**
400 C.I. (6.6L) OHV 16V Vin S,Z	1971-82	V8	**118**
401 C.I. (6.6L) OHV 16V Vin H	1958-76	V8	**119**
401 C.I. (6.6L) OHV 12V D TRB Brazil Vin P	1986-94	L6	**120**
406 C.I. (6.6L) OHV 16V	1962-63	V8	**121**
406 C.I. (6.7L) OHV 32V D Powerstroke Vin M,T,V TRB	2011-25	V8	**122**
410 C.I. (6.7L) / 428 C.I. (7.0L) Vin P, Q, R 16V	1958-70	V8	**123**
415 C.I. (6.8L) 16V Mini-zilla	2023-25	V8	**124**
415 C.I. (6.8L) SOHC 20V Triton Vin S	1997-19	V10	**125**
415 C.I. (6.8L) SOHC 30V Vin Y Heavy Duty Triton	2005-19	V10	**126**
420 C.I. (6.9L) OHV 16V Navistar Diesel Vin 1	1983-87	V8	**127**
427 C.I. (7.0L) 16V	1963-69	V8	**128**
429 C.I. (7.0L) OHV 16V Vin C, J, K, N, Z	1968-73	V8	**129**
429 C.I. (7.0L) Carb., F.I., LPG 16V Vin 8,C,K,J	1979-98	V8	**130**
430 C.I. (7.0L) 16V	1958-65	V8	**131**
445 C.I (7.3L) OHV 16V Vin K,N Godzilla	2020-25	V8	**132**
7.3L 16V Vin CFKM Powerstroke Incl. Dir. Inj. D	1988-05	V8	**133**
460 C.I. (7.5L) Carb., F.I., LPG 16V Vin A,C,J,L,G	1968-97	V8	**134**
462 C.I. (7.6L) OHV 16V	1966-68	V8	**135**
473 C.I. (7.8L) 12V Turbo Diesel Brazil	1987-94	L6	**136**
477 C.I. (7.8L) 16V Vin J,K Medium Duty	1958-81	V8	**137**
534 C.I. (8.8L) 16V Vin L Medium Duty	1958-81	V8	**138**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**61 C.I. (1.0L) DOHC 12V, Vin E TRB**			**2014-21 L3**	**BORE - 2.83/71.9mm**
Valve	Exh	2014-21	**10-13458S**	0.909 Head Dia. 0.1949 Stem. 3G	
	Int	2014-21	**10-13457**	1.067 Head Dia. 0.1957 Stem. 3G	
Keeper	Both	2014-21	**34-5144**	3 Round Beads. 0.196 Stem	
Valve Stem Seal	Both	2014-21	**38-6997-55**	Viton. Top Hat. 0.196 Stem	
LINE 2	**1324cc (1.3L) SOHC 8V (Mazda) Vin K, H**			**1988-97 L4**	**BORE - 2.80"/71.0mm**
Valve Seat Insert	Exh	1988-97	**21-1250-52**	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
	Int	1988-97	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth	
Lifter	Both	1990-97	**36-2254**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1988-97	**38-997-45**	Viton. Metal Clad.	
Expansion Plug Kit		1988-97	**97-0178**	Steel Kit.	
		1988-97	**97-0178B**	Brass Kit.	
LINE 3	**1388cc (1.4L) DOHC 16V Zetec SE (Non-USA)**			**1995-08 L4**	**BORE - 2.99"/76.0mm**
Valve	Int	1995-08	**10-03004**	1.106 Head Dia. 0.2348 Stem. Fiesta, Ka	
Valve Stem Seal	Both	1999-08	**38-6118-55**	Viton. Top Hat.	
LINE 4	**91 C.I. (1.5L) DOHC 12V TRB Vin 6,N "Dragon"**			**2020-25 L3**	**BORE - 3.11"/79.0mm**
Valve	Exh	2020-24	**10-30841**	1.122 Head Dia. 0.214 Stem. 4.219 OAL	
	Int	2020-24	**10-30842**	1.337 Head Dia. 0.214 Stem. 3.906 OAL	
Keeper	Both	2023-25	**34-03722**	3 Round Beads. 0.234 Stem. Vin N	
	Both	2020-25	**34-5143**	3 Round Beads. 0.214 Stem. Vin 6	
Lifter	Both	2020-25	**36-2314**	Hydraulic Lash Adjuster	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	**91 C.I. (1.5L) DOHC 12V TRB Vin 6,N "Dragon"**			**2020-25 L3**	**BORE - 3.11"/79.0mm**
Retainer	Both	2023-24	**55-7715**	Retainer. 0.234 Stem Vin N	
LINE 5	**1499cc (1.5L) DOHC 16V Vin D TRB**			**2014-20 L4**	**BORE - 3.11"/79.0mm**
Valve	Exh	2014-20	**10-13456**	0.980 Head Dia. 0.1952 Stem 3.923 OAL. 3G.	
	Int	2014-20	**10-13455**	1.185 Head Dia. 0.1956 Stem. 3.892 OAL. 3G.	
Guide	Both	2013-20	**30-6214H**	1.420 OAL. 0.1966 I.D. 0.3745 O.D.	
Keeper	Both	2014-20	**34-5144**	3 Round Beads. 0.196 Stem	
Valve Stem Seal	Both	2014-20	**38-6997-55**	Viton. Top Hat. 0.196 Stem	
LINE 6	**1596cc (1.6L) DOHC 16V Vin J**			**2011-19 L4**	**BORE - 3.11"/79.0mm**
Valve	Exh	2011-19	**10-13454**	0.9488 Head Dia. 0.2346 Stem. OAL 3.996. 3G.	
	Int	2011-19	**10-13453**	1.185 Head Dia. 0.2350 Stem. OAL 3.898. 3G.	
Guide	Both	2011-19	**30-3295**	0.237 I.D.	
Keeper	Both	2011-19	**34-5145**	3 Round Beads 0.235 Stem	
Valve Stem Seal	Both	2011-19	**38-6119-55**	Viton. Top Hat. 6mm x 0.440	
LINE 7	**1598cc (1.6L) SOHC 8V (B6 Mazda) Vin 5**			**1987-89 L4**	**BORE - 3.15"/79.9mm**
Valve	Exh	1987-89	**10-10155**	1.259 Head Dia.	
	Int	1987-89	**10-10154**	1.476 Head Dia.	
Valve Seat Insert	Exh	1987-89	**21-1437-66**	1.120 I.D. 1-7/16 O.D. 0.300 Depth	
	Int	1987-89	**21-1625-54**	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
Guide	Both	1987-89	**30-8205**	1.990 OAL	
Spring	Both	1987-87	**32-1293**	2.341 Free Length.	
Lifter	Both	1987-89	**36-2254**	From 11-1-87. Hydraulic	
Valve Stem Seal	Both	1987-89	**38-997-45**	Viton. Metal Clad.	
Expansion Plug Kit		1987-89	**97-0222**	Steel Kit.	
		1987-89	**97-0222B**	Brass Kit.	
LINE 8	**98 C.I. (1.6L) SOHC 8V Vin 2**			**1981-85 L4**	**BORE - 3.15"/79.9mm**
Valve	Exh	1981-85	**10-1451**	1.457 Head Dia.	
	Int	1981-85	**10-1452**	1.654 Head Dia.	
Valve Seat Insert	Int	1981-85	**21-1750-60**	1.437T I.D. 1-3/4 O.D. 0.302 Depth.	
Guide	Both	1981-85	**30-7822**	2.525 OAL. Use If Concentricity Of Original Is Within 0.005 - Check Hole Size After Removal Of Old Guide, Resurface Seat. 0.535 O.D.	
	Both	1981-85	**30-7823**	2.525 OAL. Use To Correct O.E. Eccentricity. Use A 35/64 Minimum Dia. Core Drill And A 9/16 Reamer w/ Appropriate Pilot. 0.5655 O.D.	
Spring	Both	1983-85	**32-1247**	1.855 Free Length. Incl. 1981-82 H.O.	
Keeper	Both	1981-85	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1981-85	**38-840-45**	Viton. Top Hat. Fits 0.474 Guide Seal O.D.	
	Both	1981-85	**38-950-25**	Polyacrylic. Metal Clad.	
LINE 9	**1598cc (1.6L) DOHC 16V Vin 6, Z**			**1991-94 L4**	**BORE - 3.15"/79.9mm**
Valve	Int	1991-94	**10-10157**	1.220 Head Dia. 0.2354 Stem	
Valve Seat Insert	Exh	1991-94	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	1991-94	**21-1250-61**	0.976 I.D. 1-1/4 O.D. 0.180 Depth	
Guide	Exh	1991-94	**30-8186**	1.920 OAL. Incl. Lock Ring	
	Int	1991-94	**30-8187**	1.920 OAL. Incl. Lock Ring. Tapered End	
Lifter	Both	1991-94	**36-2276**	Hydraulic Bucket	
Valve Stem Seal	Both	1991-94	**38-998-45**	Viton. Metal Clad. 0.236 Stem.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 9	**1598cc (1.6L) DOHC 16V Vin 6, Z**				**1991-94 L4 BORE - 3.15"/79.9mm**
Expansion Plug Kit		1991-94	**97-0222**	Steel Kit.	
		1991-94	**97-0222B**	Brass Kit.	
LINE 10	**1598cc (1.6L) SOHC 8V Zetec-Rocam (Non USA)**				**1999-09 L4 BORE - 3.23"/82.0mm**
Valve	Exh	1999-09	**10-3103**	1.337 Head Dia. Fiesta, Ikon, Courier	
	Int	1999-09	**10-3102**	1.600 Head Dia. Fiesta, Ikon, Courier	
Lifter	Both	1999-09	**36-7101**	Hydraulic Lash Adjuster	
LINE 11	**1599cc (1.6L) OHV 8V Vin L,W**				**1971-73 L4 BORE - 3.19"/81.0mm**
Valve Seat Insert	Exh	1971-73	**20-1375-1**	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.	
	Int	1971-73	**20-1562-5**	1-3/8 I.D. 1-9/16 O.D. 1/4 Depth	
Guide	Both	1971-73	**30-7205**	2.000 OAL. Plain 0.3120 0.5020 O.D.	
	Both	1971-73	**30-9205**	2.000 OAL. Spiral 0.3120 0.5020 O.D.	
Spring	Both	1971-73	**32-1015**	1.480 Free Length.	
Valve Stem Seal	Both	1971-73	**38-840-45**	Viton. Top Hat. Fits 0.474 Guide Seal O.D.	
	Both	1971-73	**38-950-25**	Polyacrylic. Metal Clad.	
Expansion Plug Kit		1971-73	**97-37**	Steel Kit.	
		1971-73	**97-37B**	Brass Kit.	
LINE 12	**1599cc (1.6L) OHV 8V Vin F**				**1978-80 L4 BORE - 3.19"/81.0mm**
Valve Seat Insert	Exh	1978-80	**20-1375-1**	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.	
	Int	1978-80	**20-1437-1**	1-1/4 I.D. 1-7/16 O.D. 7/32 Depth.	
Guide	Both	1978-80	**30-7205**	2.000 OAL. Plain 0.3120 0.5020 O.D.	
	Both	1978-80	**30-9205**	2.000 OAL. Spiral 0.3120 0.5020 O.D.	
Spring	Both	1978-80	**32-1015**	1.480 Free Length.	
Valve Stem Seal	Both	1978-80	**38-1065-70**	Teflon And Rubber. 1 Ring	
	Both	1978-80	**38-1066-75**	All Teflon. 11/32 x 0.530	
	Both	1978-80	**38-950-25**	Polyacrylic. Metal Clad.	
Expansion Plug Kit		1978-80	**97-37**	Steel Kit.	
		1978-80	**97-37B**	Brass Kit.	
LINE 13	**97 C.I. (1.6L) DOHC 16V TRB Vin R, X**				**2013-19 L4 BORE - 3.11"/79.0mm**
Valve	Exh	2013-19	**10-13456**	0.980 Head Dia. 0.1952 Stem 3.923 OAL. 3G.	
	Int	2013-19	**10-13455**	1.185 Head Dia. 0.1956 Stem. 3.892 OAL. 3G.	
Guide	Both	2013-19	**30-6214H**	1.420 OAL. 0.1966 I.D. 0.3745 O.D.	
Spring	Both	2013-19	**32-6692**	1.872 Free Length	
Keeper	Both	2013-19	**34-5144**	3 Round Beads. 0.196 Stem	
Valve Stem Seal	Both	2013-19	**38-6997-55**	Viton. Top Hat. 0.196 Stem	
LINE 14	**1796cc (1.8L) SOHC 8V (Mazda) Vin A**				**1972-78 L4 BORE - 3.07"/78.0mm**
Valve	Exh	1972-78	**10-10060S**	1.297 Head Dia.	
	Int	1972-78	**10-10061**	1.656 Head Dia.	
Valve Seat Insert	Exh	1972-78	**21-1500-57**	1.100T I.D. 1-1/2 O.D. 0.316 Depth.	
	Int	1972-78	**21-1750-54**	1.460T I.D. 1-3/4 O.D. 0.316 Depth.	
Keeper	Int	1972-78	**34-212**	0.109 Groove Dia. 1 Groove. Heat Treated	
Expansion Plug Kit		1972-78	**97-41**	Steel Kit.	
		1972-78	**97-41B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 15	**112 C.I. (1.8L) DOHC 16V (Mazda) Vin 8**			**1991-96 L4 BORE - 3.27"/83.0mm**
Valve	Exh	1991-96	**10-10235**	1.103 Head Dia. 3.997 OAL. 0.235 Stem
Valve Seat Insert	Exh	1991-96	**21-1250-56**	0.905T I.D. 1-1/4 O.D. 0.230 Depth.
	Int	1991-96	**21-1437-74**	1.162 I.D. 1-7/16 O.D. 0.230 Depth.
Guide	Exh	1991-96	**30-8174**	1.808 OAL. 0.436 O.D. Incl. Lock Ring
	Int	1991-96	**30-8173**	1.775 OAL. 0.436 O.D. Incl. Lock Ring
Lifter	Both	1991-96	**36-2276**	30mm. Hydraulic
Valve Stem Seal	Both	1991-96	**38-998-45**	Viton. Metal Clad. 0.236 Stem.
Expansion Plug Kit		1991-96	**97-41**	Steel Kit.
		1991-96	**97-41B**	Brass Kit.
LINE 16	**116 C.I. (1.9L) SOHC 8V Vin 9, J, K**			**1985-96 L4 BORE - 3.23"/81.9mm**
Valve	Exh	1985-96	**10-1451**	1.457 Head Dia. 1987-90 EFI, 1994 H.O., 1995-96 Mexico Built Only.
	Exh	1987-96	**10-1545**	1.339 Head Dia. 1987-90 CFI, 1991-94 EFI, 1995-96 U.S. Built Only.
	Int	1985-96	**10-1452**	1.654 Head Dia. 1987-90 EFI, 1994 H.O., 1995-96 Mexico Built Only.
	Int	1987-96	**10-1546**	1.535 Head Dia. 1987-90 CFI, 1991-94 EFI, 1995-96 U.S. Built Only.
Valve Seat Insert	Exh	1987-96	**21-1437-65**	1.105 I.D. 1-7/16 O.D. 0.322 Depth, 1987-90 CFI, 1991-94 EFI, 1995 U.S. Built Only
	Int	1987-96	**21-1625-62**	1.320 I.D. 1-5/8 O.D. 0.300 Depth, 1987-90 CFI, 1991-94 EFI, 1995 U.S. Built Only 1.530 Valve Head Dia
	Int	1985-96	**21-1750-60**	1.437T I.D. 1-3/4 O.D. 0.302 Depth, 1987-90 EFI, 1994 H.O., 1995-96 Mexico Built Only. 1.650 Valve Head Dia.
Guide	Both	1985-96	**30-7822**	2.525 OAL. 0.474 Seal O.D. Use If Concentricity Of Original Is Within 0.005 - Check Hole Size After Removal Of Old Guide, Resurface Seat. 0.535 O.D.
	Both	1985-96	**30-7823**	2.525 OAL. Use To Correct O.E. Eccentricity. Use A 35/64 Minimum Dia. Core Drill And A 9/16 Reamer w/ Appropriate Pilot. 0.5655 O.D.
Spring	Exh	1985-96	**32-1299**	1.902 Free Length.
	Int	1985-96	**32-1247**	1.855 Free Length.
Keeper	Both	1985-96	**34-619**	3 Round Beads. 0.313 Stem Dia.
Lifter	Both	1987-96	**36-2217**	Hydraulic Roller
Valve Stem Seal	Both	1985-96	**38-840-45**	Viton. Top Hat. Fits 0.474 Guide Seal O.D.
	Both	1985-90	**38-950-25**	Polyacrylic. Metal Clad.
Retainer	Both	1987-96	**55-6226**	0.960 O.D. 8mm Stem
Expansion Plug Kit		1985-96	**97-107**	Steel Kit.
		1985-96	**97-107B**	Brass Kit.
LINE 17	**1979cc (2.0L) SOHC 8V (Mazda) Vin C, 1**			**1979-82 L4 BORE - 3.15"/80.0mm**
Valve	Exh	1979-81	**10-10060S**	1.297 Head Dia.
	Int	1979-81	**10-10061**	1.656 Head Dia.
Valve Seat Insert	Exh	1979-81	**21-1500-57**	1.100T I.D. 1-1/2 O.D. 0.316 Depth.
	Int	1979-81	**21-1750-54**	1.460T I.D. 1-3/4 O.D. 0.316 Depth.
Keeper	Int	1979-82	**34-212**	0.109 Groove Dia. 1 Groove. Heat Treated
Valve Stem Seal	Both	1979-82	**38-937-15**	Nitrile. Ring And Band.
Expansion Plug Kit		1979-82	**97-41**	Steel Kit.
		1979-82	**97-41B**	Brass Kit.
LINE 18	**122 C.I. (2.0L) SOHC 8V Vin X**			**1971-74 L4 BORE - 3.52"/89.4mm**
Valve Seat Insert	Exh	1971-74	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Int	1971-74	**20-1750-3**	1-7/16 I.D. 1-3/4 O.D. 7/32 Depth.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 18	**122 C.I. (2.0L) SOHC 8V Vin X**				**1971-74 L4 BORE - 3.52"/89.4mm**
Guide	Both	1971-74	**30-7198**	2.000 OAL. Plain 0.3175 I.D. 0.502 O.D.	
	Both	1971-74	**30-9198**	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.	
Keeper	Both	1971-74	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1971-74	**38-950-25**	Polyacrylic. Metal Clad.	
	Both	1971-74	**38-951-25**	Polyacrylic. 2-Ring.	
Expansion Plug Kit		1971-74	**97-38**	Steel Kit.	
		1971-74	**97-38B**	Brass Kit.	
LINE 19	**122 C.I. (2.0L) SOHC Diesel 8V Vin H (Mazda)**				**1984-88 L4 BORE - 3.39"/86.0mm**
Valve Seat Insert	Int	1984-87	**21-1687-57**	1.335T I.D. 1-11/16 O.D. 0.275 Depth.	
Keeper	Both	1984-87	**34-212**	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1984-87	**38-951-25**	Polyacrylic. 2-Ring.	
Expansion Plug Kit		1984-87	**97-38**	Steel Kit.	
		1984-87	**97-38B**	Brass Kit.	
LINE 20	**122 C.I. (2.0L) DOHC 16V (Mazda) Vin A**				**1993-97 L4 BORE - 3.27"/83.0mm**
Valve	Exh	1993-97	**10-10563**	1.089 Head Dia. 0.235 Stem	
	Int	1993-97	**10-10562**	1.240 Head Dia. 0.235 Stem	
Guide	Both	1993-97	**30-8561**	1.490 OAL. 0.436 O.D. Incl. Lock Ring	
Lifter	Both	1993-97	**36-2276**	30mm. Hydraulic	
Valve Stem Seal	Both	1993-97	**38-998-45**	Viton. Metal Clad. 0.236 Stem.	
Retainer	Both	1993-97	**55-6260**	Chrome Moly. 0.750 O.D. 6mm Stem	
LINE 21	**121 C.I. (2.0L) DOHC 16V ZETEC Vin 3,5,B,Z Bifuel**				**1995-04 L4 BORE - 3.34"/84.9mm**
Valve	Exh	1995-04	**10-1746**	1.102 Head Dia. 0.238 Stem. 1 Groove	
	Int	1995-04	**10-1745**	1.260 Head Dia. Hollow Stem Valve 0.2376 Dia.	
Valve Seat Insert	Exh	1995-04	**21-1187-51**	0.905 I.D. 1-3/16 O.D. 0.257 Depth	
	Int	1995-04	**22-1339-2**	1.024 I.D. 1.339 O.D. 0.335 Depth	
Guide	Both	1995-04	**30-8662**	1.421 OAL. 0.4736 O.D. 0.2388 I.D.	
Lifter	Both	1995-97	**36-7022**	Contour, Mystique	
Valve Stem Seal	Both	1995-04	**38-571-45**	Viton. Top Hat	
Retainer	Both	1995-04	**55-6260**	Chrome Moly. 0.750 O.D. 6mm Stem	
LINE 22	**122 C.I. (2.0L) DOHC 16V Vin 2,7,L,N**				**2005-22 L4 BORE - 3.44"/87.4mm**
Valve	Exh	2005-21	**10-2007**	1.181 Head Dia. 0.215 Stem	
	Int	2005-22	**10-2006**	1.378 Head Dia. 0.216 Stem	
Valve Seat Insert	Exh	2005-21	**21-1250-62**	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
Guide	Both	2005-22	**30-3070**	1.535 OAL. 0.217 I.D. 0.435 O.D.	
Keeper	Both	2005-22	**34-5024**	1 Round Bead. 0.216 Stem	
Lifter	Both	2005-21	**36-7501**	Mechanical. 3.00mm/0.118" Thick	
	Both	2005-21	**36-7502**	Mechanical. 3.05mm/0.120" Thick	
	Both	2005-21	**36-7503**	Mechanical. 3.10mm/0.122" Thick	
	Both	2005-21	**36-7533**	Mechanical. 3.30mm/0.130" Thick	
	Both	2005-21	**36-7534**	Mechanical. 3.38mm/0.133" Thick	
Valve Stem Seal	Both	2005-22	**38-6105-55**	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2005-22	**55-7701**	Chrome Moly. 0.216 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 23	122 C.I. (2.0L) DOHC 16V Vin 9,U TRB			2012-25 L4	BORE - 3.44"/87.4mm
Valve	Exh	2015-25	10-13481	1.181 Head Dia. 0.2150 Stem. 4.120 OAL	
	Exh	2012-19	10-13482	1.102 Head Dia. 0.216 Stem. 4.122 OAL	
	Int	2012-25	10-13480	1.280 Head Dia. 0.2156 Stem. 4.073 OAL	
Spring	Int	2012-20	32-6684	1.893 Free Length. OEM # CJ5Z6513A	
Keeper	Both	2012-25	34-5024	1 Round Bead. 0.216 Stem	
Lifter	Both	2012-24	36-7501	Mechanical. 3.00mm/0.118" Thick	
	Both	2012-24	36-7502	Mechanical. 3.05mm/0.120" Thick	
	Both	2012-24	36-7503	Mechanical. 3.10mm/0.122" Thick	
	Both	2012-24	36-7533	Mechanical. 3.30mm/0.130" Thick	
	Both	2012-24	36-7534	Mechanical. 3.38mm/0.133" Thick	
Valve Stem Seal	Both	2012-25	38-6105-55	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2012-24	55-7701	Chrome Moly. 0.216 Stem	
LINE 24	122 C.I. 2.0L DOHC 16V Vin 4,A TRB			2023-25 L4	BORE - 3.44"/87.4mm
Keeper	Both	2023-25	34-03722	3 Round Beads. 0.234 Stem	
Lifter	Both	2023-25	36-2314	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2023-25	38-6514-55	Viton. Top Hat. 0.236 Stem	
Retainer	Both	2023-25	55-7715	Retainer. 0.234 Stem	
LINE 25	122 C.I. (2.0L) SOHC 8V Vin C			1983-88 L4	BORE - 3.50"/88.9mm
Valve	Exh	1983-88	10-1527	1.380 Head Dia. 0.3414 Stem. 4.807 OAL	
	Exh	1983-88	10-1527+15	1.380 Head Dia. 0.3564 Stem. 4.807 OAL	
	Exh	1983-88	10-1527+3	1.380 Head Dia. 0.3444 Stem. 4.807 OAL	
	Int	1983-88	10-1528	1.610 Head Dia. 0.3419 Stem. 4.787 OAL	
	Int	1983-88	10-1528+15	1.610 Head Dia. 0.3569 Stem. 4.787 OAL	
	Int	1983-88	10-1528+3	1.610 Head Dia. 0.3449 Stem. 4.787 OAL	
Valve Seat Insert	Exh	1983-88	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1983-88	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	
Guide	Both	1983-88	30-9206	2.188 OAL. Flanged. Spiral 0.3440 I.D. 0.5020 O.D.	
Keeper	Both	1983-88	34-620	Heat Treated. 4G	
Lifter	Both	1983-88	36-2012	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1984-86	38-938-25	Polyacrylic. Ring And Band.	
	Both	1984-86	38-938-45	Viton. Ring And Band.	
	Both	1983-83	38-951-25	Polyacrylic. 2-Ring.	
	Exh	1987-88	38-806-55	Viton. Metal Clad.	
	Int	1987-88	38-805-45	Viton. Metal Clad. 11/32 x 0.562	
Rocker Component	Both	1983-88	40-2810	Cam Follower, Forged	
Expansion Plug Kit		1983-88	97-39	Steel Kit.	
		1983-88	97-39B	Brass Kit.	
LINE 26	122 C.I. (2.0L) SOHC 8V Vin P			1997-04 L4	BORE - 3.30"/84.0mm
Valve	Exh	1997-04	10-1936	1.457 Head Dia. 0.315 Stem	
	Int	1997-04	10-2044	1.732 Head Dia. 0.316 Stem	
Valve Seat Insert	Exh	1997-04	21-1500-71	1.240 I.D. 1-1/2 O.D. 0.317 Depth.	
	Int	1997-04	21-1812-56	1.535 I.D. 1-13/16 O.D. 0.293 Depth.	
Guide	Both	1997-04	30-3012	2.540 OAL. 0.3715 I.D. 0.5339 O.D. 0.474 Seal O.D	
Spring	Both	1997-04	32-2486	2.025 Free Length.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 26	122 C.I. (2.0L) SOHC 8V Vin P			1997-04 L4	BORE - 3.30"/84.0mm
Keeper	Both	1997-04	34-00515	3 Round Beads. 0.313 Stem	
Lifter	Both	1997-04	36-2217	Hydraulic Roller	
Valve Stem Seal	Both	1997-04	38-840-45	Viton. Top Hat.	
LINE 27	133 C.I. (2.2L) 12V SOHC (Mazda) F2 Vin C			1989-92 L4	BORE - 3.39"/86.0mm
Valve	Exh	1989-92	10-10163	1.339 Head Dia.	
	Int	1989-92	10-10162	1.280 Head Dia.	
Valve Seat Insert	Exh	1989-92	21-1437-75	1.175 I.D. 1-7/16 O.D. 0.260 Depth.	
	Int	1989-92	21-1375-56	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Both	1989-92	30-8142	2.088 OAL	
Lifter	Both	1989-92	36-2254	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1989-92	38-997-45	Viton. Metal Clad.	
LINE 28	133 C.I. (2.2L) 12V SOHC Turbo (Mazda) Vin L			1989-92 L4	BORE - 3.39"/86.0mm
Valve	Exh	1989-92	10-10164	1.339 Head Dia.	
	Int	1989-92	10-10162	1.280 Head Dia.	
Valve Seat Insert	Exh	1989-92	21-1437-75	1.175 I.D. 1-7/16 O.D. 0.260 Depth.	
	Int	1989-92	21-1375-56	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Both	1989-92	30-8142	2.088 OAL	
Lifter	Both	1989-92	36-2254	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1989-92	38-997-45	Viton. Metal Clad.	
LINE 29	140 C.I. (2.3L) DOHC 16V Vin D,H (Hybrid), Z Duratec			2001-12 L4	BORE - 3.44"/87.4mm
Valve	Exh	2001-12	10-2007	1.181 Head Dia. 0.2150 Stem	
	Int	2001-12	10-2006	1.378 Head Dia. 0.2156 Stem	
Valve Seat Insert	Exh	2001-12	21-1250-62	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
Guide	Both	2001-12	30-3070	1.535 OAL. 0.217 I.D. 0.435 O.D.	
Spring	Both	2001-06	32-04059	1.776 Free Length. '05-06 Vin H. Conical	
Keeper	Both	2001-12	34-5024	1 Round Bead. 0.216 Stem	
Lifter	Both	2001-12	36-7501	Mechanical. 3.00mm/0.118" Thick	
	Both	2001-12	36-7502	Mechanical. 3.05mm/0.120" Thick	
	Both	2001-12	36-7503	Mechanical. 3.10mm/0.122" Thick	
	Both	2001-12	36-7533	Mechanical. 3.30mm/0.130" Thick	
	Both	2001-12	36-7534	Mechanical. 3.38mm/0.133" Thick	
Valve Stem Seal	Both	2001-12	38-6105-55	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2001-12	55-7701	Chrome Moly. 0.216 Stem	
LINE 30	140 C.I. (2.3L) SOHC 8V Vin ABDMRSTWXY26 (HSC)			1974-97 L4	BORE - 3.68"/93.5mm
Valve	Exh	1974-94	10-1597	1.500 Head Dia. 0.3414 Stem. 4.787 OAL	
	Exh	1974-94	10-1597+15	1.500 Head Dia. 0.3456 Stem. 4.787 OAL	
	Exh	1974-94	10-1597+3	1.500 Head Dia. 0.3444 Stem. 4.787 OAL	
	Exh	1995-97	10-1744	1.500 Head Dia. 0.2740 Stem. 4.807 OAL. 3G.	
	Exh	1995-97	10-1744+15	1.500 Head Dia. 0.2890 Stem. 4.807 OAL. 3G.	
	Exh	1995-97	10-1744+3	1.500 Head Dia. 0.2770 Stem. 4.807 OAL. 3G.	
	Int	1974-94	10-1598	1.735 Head Dia. 0.3419 Stem. 4.787 OAL	
	Int	1974-94	10-1598+15	1.735 Head Dia. 0.3569 Stem. 4.787 OAL	
	Int	1974-94	10-1598+3	1.735 Head Dia. 0.3779 Stem. 4.787 OAL	
	Int	1995-97	10-1743	1.735 Head Dia. 0.275 Stem. 3G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 30	**140 C.I. (2.3L) SOHC 8V Vin ABDMRSTWXY26 (HSC)**		**1974-97 L4**	**BORE - 3.68"/93.5mm**
Valve Seat Insert	Exh	1974-97	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1974-97	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Exh	1984-94	**20-1562-36**	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth. High Swirl Combustion (HSC) Eng.
	Int	1974-97	**20-1812-2**	HSC Eng. 1-1/2 I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Both	1995-97	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
	Both	1974-94	**30-9206**	Int. HSC Eng. 2.188 OAL. Flanged. Spiral 0.3440 I.D.
	Exh	1985-94	**30-9846**	2.313 OAL. HSC Eng.
	Both	1995-97	**31-8274**	Bronze. 1.930 OAL. 0.2765 I.D. 0.4953 O.D.
Spring	Both	1995-97	**32-04026**	2.020 Free Length.
Keeper	Both	1995-97	**34-281**	3 Round Beads. 0.275 Stem Dia.
	Both	1974-94	**34-620**	Heat Treated. 4G
Lifter	Both	1974-97	**36-2012**	Hydraulic Lash Adjuster
	Both	1974-94	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1974-93	**38-1065-70**	Teflon And Rubber.
	Both	1974-93	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1995-97	**38-309-45**	Viton. Metal Clad. Use w/ 0.275 Stem Dia.
	Both	1974-85	**38-925-25**	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.
	Both	1974-94	**38-938-25**	Polyacrylic. Ring And Band.
	Exh	1985-94	**38-806-55**	Viton. Metal Clad. HSC Eng.
	Exh	1974-94	**38-938-45**	Viton. Ring And Band.
	Int	1985-94	**38-805-45**	Viton. Metal Clad. 11/32 x 0.562. HSC Eng.
Rocker Component	Both	1984-94	**40-2710**	Rocker Arm. Stamped
	Both	1974-90	**40-2810**	Rocker Arm
Push Rod	Both	1984-94	**74-6369**	8.879 Length
Expansion Plug Kit		1984-94	**97-108**	HSC Eng. Steel Kit.
		1974-97	**97-108B**	Brass Kit.
		1974-97	**97-39**	Steel Kit.
		1974-97	**97-39B**	Brass Kit.
LINE 31	**140 C.I. (2.3L) OHV Turbo Diesel (Mits.) 8V Vin E**		**1985-87 L4**	**BORE - 3.50"/91.1 mm**
Valve	Exh	1985-87	**10-10416**	1.339 Head Dia.
	Int	1985-87	**10-10415**	1.575 Head Dia.
Guide	Exh	1985-87	**30-7851**	2.920 OAL. OEM # MD050527
	Int	1985-87	**30-7850**	2.800 OAL. OEM # MD050523
Keeper	Both	1985-87	**34-716**	1 Round Groove. Heat Treated
Valve Stem Seal	Both	1985-87	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1985-87	**38-938-45**	Viton. Ring And Band.
	Both	1985-87	**38-964-55**	Viton. Metal Clad.
LINE 32	**140 C.I. (2.3L) DOHC 16V Vin H TRB**		**2015-25 L4**	**BORE - 3.45"/87.6mm**
Valve	Exh	2015-25	**10-13481**	1.181 Head Dia. 0.2150 Stem. 4.120 OAL
	Int	2015-25	**10-13480**	1.280 Head Dia. 0.2156 Stem. 4.073 OAL
Keeper	Both	2015-25	**34-5024**	1 Round Bead. 0.216 Stem
Lifter	Both	2015-23	**36-7501**	Mechanical. 3.00mm/0.118" Thick
	Both	2015-23	**36-7502**	Mechanical. 3.05mm/0.120" Thick
	Both	2015-23	**36-7503**	Mechanical. 3.10mm/0.122" Thick

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 32	**140 C.I. (2.3L) DOHC 16V Vin H TRB**			**2015-25 L4**	**BORE - 3.45"/87.6mm**
Lifter	Both	2015-23	**36-7533**	Mechanical. 3.30mm/0.130" Thick	
	Both	2015-23	**36-7534**	Mechanical. 3.38mm/0.133" Thick	
Valve Stem Seal	Both	2015-25	**38-6105-55**	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2015-23	**55-7701**	Chrome Moly. 0.216 Stem	
LINE 33	**144 C.I. (2.4L) OHV 12V**			**1960-64 L6**	**BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1960-64	**20-1375-4**	1-1/8 I.D. 1-3/8 O.D. 3/16 Depth.	
	Exh	1960-64	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Int	1960-64	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
Guide	Both	1960-64	**30-6869**	1.875 OAL. Plain 0.3125 I.D. 0.439 O.D.	
	Both	1960-64	**30-6977**	1.875 OAL. Plain 0.3120 I.D. 0.439 O.D.	
	Both	1960-64	**30-9869**	1.875 OAL. Spiral 0.3125 I.D. 0.439 O.D.	
	Both	1960-64	**30-9977**	2.281 OAL. Spiral 0.3120 I.D. 0.502 O.D.	
	Both	1960-64	**30-9977H**	2.281 OAL. Spiral 0.3120 I.D. 0.502 O.D. Hardened	
Spring	Both	1963-64	**32-778**	1.828 Free Length.	
Keeper	Exh	1960-64	**34-614**	Heat Treated. 1 Groove.	
Lifter	Both	1963-64	**36-2083**	Hydraulic	
Valve Stem Seal	Both	1960-64	**38-1062-70**	Teflon And Rubber. 1 Ring	
	Both	1960-64	**38-766-15**	Nitrile. Umbrella.	
	Both	1960-64	**38-766-25**	Polyacrylic. Umbrella.	
Rocker Component	Both	1960-64	**42-2652**	Rocker Arm Shaft	
Expansion Plug Kit		1960-64	**97-14**	Steel Kit.	
		1960-64	**97-14B**	Brass Kit.	
LINE 34	**152 C.I. (2.5L) DOHC 16V (Hybrid) Vin 1,3,7,A,Z**			**2009-25 L4**	**BORE - 3.50"/88.9mm**
Valve	Exh	2009-25	**10-2007**	1.181 Head Dia. 0.215 Stem	
	Int	2009-25	**10-2006**	1.378 Head Dia. 0.216 Stem	
Guide	Both	2009-25	**30-3070**	1.535 OAL. 0.217 I.D. 0.435 O.D.	
Spring	Both	2013-25	**32-6684**	1.893 Free Length. Conical. OEM # CJ5Z6513A	
Keeper	Both	2009-25	**34-5024**	1 Round Bead. 0.216 Stem	
Lifter	Both	2009-25	**36-7501**	Mechanical. 3.00mm/0.118" Thick	
	Both	2009-25	**36-7502**	Mechanical. 3.05mm/0.120" Thick	
	Both	2009-25	**36-7503**	Mechanical. 3.10mm/0.122" Thick	
	Both	2009-25	**36-7533**	Mechanical. 3.30mm/0.130" Thick	
	Both	2009-25	**36-7534**	Mechanical. 3.38mm/0.133" Thick	
Valve Stem Seal	Both	2009-25	**38-6105-55**	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2009-25	**55-7701**	Retainer. 0.821 O.D. 0.215 Stem	
LINE 35	**2.5L 8V Diesel Maxion (non-USA)**			**1996-02 L4**	**BORE**
Valve	Exh	1996-02	**10-30146**	1.437 Head Dia. 0.313 Stem. 4.581 OAL	
	Int	1996-02	**10-30145**	1.533 Head Dia. 0.314 Stem. 4.582 OAL.	
LINE 36	**153 C.I. (2.5L) SOHC 8V Gas Vin C**			**1998-02 L4**	**BORE - 3.78"/96.0mm**
Valve	Exh	1998-02	**10-1744**	1.500 Head Dia. 0.2740 Stem. 4.807 OAL. 3G.	
	Exh	1998-02	**10-1744+15**	1.500 Head Dia. 0.2890 Stem. 4.807 OAL. 3G.	
	Exh	1998-02	**10-1744+3**	1.500 Head Dia. 0.2770 Stem. 4.807 OAL. 3G.	
	Int	1998-02	**10-1743**	1.735 Head Dia. 0.274 Stem Dia. 3G. Includes Flex Fuel.	
Valve Seat Insert	Exh	1998-02	**20-1562-6**	1-1/4 I.D. 1-9/16 O.D. 7/32 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 36	153 C.I. (2.5L) SOHC 8V Gas Vin C			1998-02 L4	BORE - 3.78"/96.0mm
Valve Seat Insert	Int	1998-02	20-1812-2	1-1/2 I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both	1998-02	30-8274	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S	
Spring	Both	1998-02	32-04026	2.020 Free Length.	
Keeper	Both	1998-02	34-281	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	1998-02	36-2012	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1999-02	38-224-45	Top Hat. Viton. Height 0.837	
	Both	1998-99	38-309-45	Viton. Metal Clad.	
LINE 37	2507cc (2.5L) DOHC 24V KL Vin B (Mazda)			1993-97 V6	BORE - 3.33"/84.5mm
Valve	Exh	1993-97	10-10551	1.086 Head Dia. Exc. Calif.	
	Int	1993-97	10-10550	1.260 Head Dia.	
Guide	Both	1993-97	30-8561	1.490 OAL. 0.2370 Inside Dia.	
Lifter	Both	1993-97	36-2276	30mm. Hydraulic	
Valve Stem Seal	Both	1993-97	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 38	153 C.I. (2.5L) OHV 8V HSC Vin D			1986-91 L4	BORE - 3.60"/93.5mm
Valve	Exh	1986-91	10-1597	1.500 Head Dia. 0.3414 Stem. 4.787 OAL	
	Exh	1986-91	10-1597+15	1.500 Head Dia. 0.3456 Stem. 4.787 OAL	
	Exh	1986-91	10-1597+3	1.500 Head Dia. 0.3444 Stem. 4.787 OAL	
	Int	1986-91	10-1598	1.735 Head Dia. 0.3419 Stem. 4.787 OAL	
	Int	1986-91	10-1598+15	1.735 Head Dia. 0.3569 Stem. 4.787 OAL	
	Int	1986-91	10-1598+3	1.735 Head Dia. 0.3779 Stem. 4.787 OAL	
Valve Seat Insert	Exh	1986-91	20-1562-36	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth.	
	Int	1986-91	20-1812-2	1-1/2 I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh	1986-91	30-9846	2.313 OAL. Spiral 0.3440 I.D.	
	Int	1986-91	30-7206	2.188 OAL. Flanged. Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1986-91	30-9206	2.188 OAL. Flanged. Spiral 0.3440 I.D. 0.5020 O.D.	
Keeper	Both	1986-91	34-620	Heat Treated. 4G	
Lifter	Both	1986-91	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1986-91	38-938-25	Polyacrylic. Ring And Band.	
	Both	1986-91	38-938-45	Viton. Ring And Band.	
	Exh	1986-91	38-806-55	Viton. Metal Clad.	
	Int	1986-91	38-805-45	Viton. Metal Clad. 11/32 x 0.562	
Rocker Component	Both	1986-91	40-2710	Rocker Arm, Stamped	
Expansion Plug Kit		1986-91	97-108	Steel Kit.	
		1986-91	97-108B	Brass Kit.	
LINE 39	155 C.I. (2.5L) OHV 12V			1972-73 V6	BORE - 3.54"/90.0mm
Valve	Exh	1972-73	10-1300	1.269 Head Dia. 0.3153 Stem. 4.162 OAL. 3G.	
	Exh	1972-73	10-1300+3	1.269 Head Dia. 0.3183 Stem. 4.162 OAL. 3G.	
	Int	1972-73	10-1285	1.570 Head Dia. 0.3165 Stem. 4.158 OAL. 1G	
	Int	1972-73	10-1285+3	1.570 Head Dia. 0.3195 Stem. 4.158 OAL. 1G	
Guide	Both	1972-73	30-9198	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.	
Keeper	Exh	1972-73	34-619	0.313 Stem Dia. 3 Round Beads.	
	Int	1972-73	34-614	Heat Treated. 1 Groove.	
LINE 40	155 C.I. (2.5L) DOHC 24V Duratec Vin G,L			1995-02 V6	BORE - 3.24"/82.3mm
Valve	Exh	1995-02	10-1729	1.023 Head Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 40	155 C.I. (2.5L) DOHC 24V Duratec Vin G,L			1995-02 V6	BORE - 3.24"/82.3mm
Valve	Int	1995-02	10-1728	1.260 Head Dia. 0.2356 Stem	
Valve Seat Insert	Exh	1995-02	21-1125-52	0.825T I.D. 1-1/8 O.D. 0.285 Depth	
	Int	1995-02	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1995-02	30-8560	1.880 OAL	
Spring	Both	1995-02	32-2476	1.847 Free Length.	
Keeper	Both	1995-02	34-03722	3 Round Beads. 0.234 Stem	
Lifter	Both	1995-02	36-2271	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1995-02	38-565-45	Viton. Top Hat.	
Rocker Component	Both	1995-02	40-9113	Rocker Arm	
Retainer	Both	1995-02	55-6252	0.920 O.D. 6mm Stem	
Expansion Plug Kit		1995-02	97-150	Steel Kit.	
		1995-02	97-150B	Brass Kit.	
LINE 41	164 C.I. (2.7L) DOHC 24V TRB Vin P			2015-25 V6	BORE - 3.26"/82.8mm
Valve	Exh	2015-20	10-13429	1.114 Head Dia. 0.2137 Stem. 3.813 OAL	
	Exh	2015-25	10-13497	1.116 Head Dia. 0.2134 Stem. 3.837 OAL. OEM # JT4Z6505A	
	Int	2015-25	10-13428	1.280 Head Dia. 0.2142 Stem. 4.242 OAL	
Valve Seat Insert	Exh	2015-25	22-1140-1	1.0936T I.D. 1.140 O.D. 0.2050	
	Int	2015-25	22-1297-1	1.120T I.D. 1.297 O.D. 0.190 Depth.	
Guide	Both	2015-25	30-3215	1.515 OAL. 0.2155 I.D. 0.4160 O.D.	
Spring	Both	2015-25	32-6666	2.070 Free Length 0.915T O.D. 0.631T I.D.	
Keeper	Both	2015-25	34-5143	3 Round Beads. 0.214 Stem	
Lifter	Both	2015-25	36-2314	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2015-25	38-6493-55	Viton. Top Hat. 5.5mm x 0.416	
Rocker Component	Both	2015-25	40-2923	Roller Cam Follower	
Retainer	Both	2015-25	55-7714	Chrome Moly. 0.214 Stem	
LINE 42	170 C.I. (2.8L) 12V Vin U			1961-72 L6	BORE - 3.50"/88.9mm
Valve	Exh	1965-72	10-1266	1.390 Head Dia. 0.3101 Stem. 4.260 OAL.	
	Exh	1965-72	10-1266+15	1.390 Head Dia. 0.3251 Stem. 4.260 OAL.	
	Exh	1965-72	10-1266+3	1.390 Head Dia. 0.3131 Stem. 4.260 OAL.	
	Exh	1965-72	10-1266+30	1.390 Head Dia. 0.3401 Stem. 4.260 OAL.	
	Int	1965-72	10-1268	1.651 Head Dia. 0.3103 Stem. 4.260 OAL	
	Int	1965-72	10-1268+3	1.651 Head Dia. 0.3133 Stem. 4.260 OAL	
	Int	1965-72	10-1268+30	1.651 Head Dia. 0.3403 Stem. 4.260 OAL	
Valve Seat Insert	Exh	1961-64	20-1375-4	1-1/8 I.D. 1-3/8 O.D. 3/16 Depth w/ 1.268 Valve Head Dia.	
	Exh	1965-72	20-1437-3	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth. w/ 1.390 Valve Head	
	Int	1961-64	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. w/ 1.527 Valve Head . +5,+10,+15,+30 O/S Avail.	
	Int	1965-72	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.651 Valve Head Dia. +10 O/S Avail.	
Guide	Both	1961-72	30-6869	1.875 OAL. Plain 0.3125 I.D. 0.439 O.D.	
	Both	1961-72	30-6977	2.281 OAL. Plain 0.3120 I.D. 0.502 O.D.	
	Both	1961-72	30-9869	1.875 OAL. Spiral 0.3125 I.D. 0.439 O.D.	
	Both	1961-72	30-9977	2.281 OAL. Spiral 0.3120 I.D. 0.502 O.D.	
	Both	1961-72	30-9977H	2.281 OAL. Spiral 0.3120 I.D. 0.502 O.D. Hardened	
Spring	Both	1965-72	32-778	1.828 Free Length.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 42	170 C.I. (2.8L) 12V Vin U			1961-72 L6 BORE - 3.50"/88.9mm
Keeper	Both	1961-72	34-614	Heat Treated. 1 Groove.
Lifter	Both	1961-72	36-2083	Hydraulic
Valve Stem Seal	Both	1961-72	38-1062-70	Teflon And Rubber. 1 Ring
	Both	1961-72	38-766-15	170 C.I. (2.8L) 12V Vin U.
	Both	1961-72	38-766-25	Polyacrylic. Umbrella.
Rocker Component	Both	1961-72	42-2652	Rocker Arm Shaft
Expansion Plug Kit		1961-72	97-14	Steel Kit.
		1961-72	97-14B	Brass Kit.
LINE 43	171 C.I. (2.8L) OHV 12V Vin S			1983-86 V6 BORE - 3.66"/93.0mm
Valve	Exh	1983-86	10-1300	1.269 Head Dia. 0.3153 Stem. 4.162 OAL. 3G.
	Exh	1983-86	10-1300+3	1.269 Head Dia. 0.3183 Stem. 4.162 OAL. 3G.
	Int	1983-86	10-1285	1.570 Head Dia. 0.3165 Stem. 4.158 OAL. 1G
	Int	1983-86	10-1285+3	1.570 Head Dia. 0.3195 Stem. 4.158 OAL. 1G
Valve Seat Insert	Exh	1983-86	20-1375-4	1-1/8 I.D. 1-3/8 O.D. 3/16 Depth.
	Int	1983-86	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Both	1983-86	30-9198	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.
Spring	Both	1983-86	32-1290	2.170 Free Length.
Keeper	Exh	1983-86	34-619	0.313 Stem Dia. 3 Round Beads.
	Int	1983-86	34-614	Heat Treated. 1 Groove.
Valve Stem Seal	Both	1983-86	38-950-25	Polyacrylic. Metal Clad.
Rocker Component	Both	1983-86	40-1806	Rocker Arm. Adj. w/ 0.635 Pad Width
Retainer	Both	1983-86	55-6199	Chrome Moly. 1.250 O.D. 0.315 Stem
Push Rod	Both	1983-86	74-6337	5.429 Length
Expansion Plug Kit		1983-86	97-40	Steel Kit.
		1983-86	97-40B	Brass Kit.
LINE 44	171 C.I. (2.8L) OHV 12V Vin Z			1974-79 V6 BORE - 3.60"/93.0mm
Valve	Exh	1974-79	10-1300	1.269 Head Dia. 0.3153 Stem. 4.162 OAL. 3G.
	Exh	1974-79	10-1300+3	1.269 Head Dia. 0.3183 Stem. 4.162 OAL. 3G.
	Int	1974-79	10-1285	1.570 Head Dia. 0.3165 Stem. 4.158 OAL. 1G
	Int	1974-79	10-1285+3	1.570 Head Dia. 0.3195 Stem. 4.158 OAL. 1G
Valve Seat Insert	Exh	1974-79	20-1375-1	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.
	Int	1974-79	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Both	1974-79	30-7198	2.000 OAL. Plain 0.3175 I.D. 0.502 O.D.
	Both	1974-79	30-9198	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.
Keeper	Exh	1974-79	34-619	0.313 Stem Dia. 3 Round Beads.
	Int	1974-79	34-614	Heat Treated. 1 Groove.
Valve Stem Seal	Both	1974-79	38-950-25	Polyacrylic. Metal Clad.
Rocker Component	Both	1974-79	40-1806	Rocker Arm. Adj. w/ 0.635 Pad Width
Push Rod	Both	1974-79	74-6337	5.429 Length
Expansion Plug Kit		1974-79	97-40	Steel Kit.
		1974-79	97-40B	Brass Kit.
LINE 45	177 C.I. (2.9L) OHV 12V Vin T,V			1986-92 V6 BORE - 3.66"/93.0mm
Valve	Exh	1986-92	10-10386	1.418 Head Dia. 0.3153 Stem. 3G.
	Exh	1986-92	10-10386+15	1.418 Head Dia. 0.3153 Stem. 3G.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 45	177 C.I. (2.9L) OHV 12V Vin T,V			1986-92 V6 BORE - 3.66"/93.0mm
Valve	Int	1986-92	10-10385	1.656 Head Dia. 0.3163 Stem. 1 Groove.
	Int	1986-92	10-10385+3	1.656 Head Dia. 0.3163 Stem. 1 Groove.
Valve Seat Insert	Exh	1986-92	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Int	1986-92	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Both	1986-92	30-9198	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.
Spring	Both	1986-92	32-1290	2.170 Free Length.
Keeper	Exh	1986-92	34-619	0.313 Stem Dia. 3 Round Beads.
	Int	1986-92	34-614	Heat Treated. 1 Groove.
Lifter	Both	1986-92	36-2083	Hydraulic
Valve Stem Seal	Both	1986-92	38-812-45	Viton. Metal Clad. 0.315 Stem. 0.472 Guide OD
Rocker Component	Both	1986-92	40-1806	Rocker Arm. Adj. w/ 0.635 Pad Width
Retainer	Both	1987-89	55-6199	Chrome Moly. 1.250 O.D. 0.315 Stem
Push Rod	Both	1986-92	74-6337	5.429 Length
Expansion Plug Kit		1986-92	97-109	Steel Kit.
		1986-92	97-109B	Brass Kit.
LINE 46	181 C.I. (3.0L) DOHC 24V Vin C,R TRB			2017-25 V6 BORE - 3.36"/85.3mm
Valve	Exh	2017-25	10-13429	1.114 Head Dia. 0.213 Stem 3.813 OAL
	Int	2017-25	10-13428	1.280 Head Dia. 0.214 Stem 4.242 OAL
Valve Seat Insert	Exh	2017-25	22-1140-1	1.0936T I.D. 1.140 O.D. 0.2050
	Int	2017-25	22-1297-1	1.1200T I.D. 1.297 O.D. 0.190
Guide	Both	2017-25	30-3215	1.515 OAL. 0.2155 I.D. 0.4160 O.D.
Spring	Both	2017-25	32-6666	2.070 Free Length 0.915T O.D. 0.631T I.D.
Keeper	Both	2017-25	34-5143	3 Round Beads. 0.214 Stem
Lifter	Both	2017-25	36-2314	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2017-25	38-6493-55	Viton. Top Hat. 5.5mm x 0.410
Rocker Component	Both	2017-25	40-2923	Roller Cam Follower
Retainer	Both	2017-25	55-7714	Chrome Moly. 0.214 Stem
LINE 47	2960cc (3.0L) SOHC 12V (Nissan VG30E) Vin W, 1			1993-98 V6 BORE - 3.45"/87.5mm
Valve	Exh	1993-95	10-10282	1.382 Head Dia.
	Int	1993-98	10-10281	1.657 Head Dia. 0.2744 Stem
Valve Seat Insert	Exh	1993-98	21-1500-53	1.180T I.D. 1-1/2 O.D. 0.307 Depth
	Exh	1993-98	21-1500-68	1.179T I.D. 1-1/2 O.D. 0.293 Depth.
	Int	1993-98	21-1812-55	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.
Guide	Exh	1993-98	30-8017	2.500 OAL. Head Must Be Reamed To 0.4793/.4802 For Exh. Guides Prior To Installation
	Exh	1993-98	30-8389	2.500 OAL. 0.474 O.D.
	Int	1993-98	30-7873	2.315 OAL. Head Must Be Reamed To 0.440/.4408 For Int. Guides Prior To Installation
	Int	1993-98	30-8388	2.315 OAL. 0.4345 O.D. +2 O/S Avail.
Keeper	Both	1993-98	34-5007	1 Groove
Lifter	Both	1993-98	36-2198	Hydraulic
Valve Stem Seal	Exh	1993-98	38-962-45	Viton. Ring And Spring.
	Int	1993-95	38-985-55	Viton. Metal Clad. 0.276 Stem
Expansion Plug Kit		1993-98	97-92	Steel Kit.
		1993-98	97-92B	Brass Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 48	182 C.I. (3.0L) DOHC 24V Vin 1,G,S Duratec			1996-12 V6	BORE - 3.50"/88.9mm
Valve	Exh	1996-12	10-1788	1.181 Head Dia. 0.2346 Stem. Exc. Lincoln Vin S	
	Int	1996-12	10-1787	1.378 Head Dia. 0.2356 Stem. Exc. Lincoln Vin S	
Valve Seat Insert	Exh	1996-12	21-1250-56	0.905T I.D. 1-1/4 O.D. 0.230 Depth.	
Guide	Both	2000-05	30-3028	1.455 OAL. 0.2175 I.D. Lincoln Vin S.	
	Both	1996-12	30-8560	1.880 OAL. 0.237 I.D. Exc. Lincoln Vin S	
Spring	Both	1999-09	32-2476	1.847 Free Length.	
Keeper	Both	1996-12	34-03722	3 Round Beads. 0.234 Stem	
	Both	2000-05	34-5023	1 Round Groove. Lincoln Vin "S"	
Lifter	Both	1996-12	36-2271	Hydraulic Lash Adjuster. Except Lincoln Vin S	
Valve Stem Seal	Both	1996-12	38-565-45	Viton. Top Hat. 0.236 Stem	
Rocker Component	Both	1996-12	40-9113	Rocker Arm	
Retainer	Both	2009-12	55-7715	Retainer. 0.234 Stem	
LINE 49	183 C.I (3.0L) DOHC 24V D Vin 1 Powerstroke TRB			2018-21 V6	BORE - 3.31"/84.1mm
Keeper	Both	2018-21	34-5145	3 Round Beads 0.235 Stem	
LINE 50	182 C.I. (3.0L) OHV 12V Vin U,V,1,2 Flex			1986-08 V6	BORE - 3.50"/88.9mm
Valve	Exh	1986-99	10-1535	1.371 Head Dia. 0.3125 Stem Dia. To 7/27/1999	
	Exh	1999-08	10-2047	1.371 Head Dia. 0.274 Stem Dia. Incl. "Flex Fuel"	
	Int	1986-99	10-1536	1.661 Head Dia. 0.313 Stem Dia. To 7/27/1999	
	Int	1986-99	10-1536+3	1.661 Head Dia. 0.316 Stem Dia. To 7/27/1999	
	Int	1999-08	10-2046	1.661 Head Dia. 0.275 Stem Dia. Incl. "Flex Fuel"	
Valve Seat Insert	Exh	1986-08	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.	
	Exh	1986-99	20-1437-3	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1986-08	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.	
Guide	Both	1999-08	30-3048	2.500 OAL. 0.4747 O.D. 0.2768 I.D.	
	Both	1999-08	30-3066	2.200 OAL. 0.4390 O.D. 0.2768 I.D. w/o Seal Boss	
	Both	1986-99	30-9204	2.200 OAL. 0.439 O.D.	
Spring	Both	1999-08	32-04017	1.834 Free Length. Conical	
	Both	1986-99	32-1258	1.840 Free Length.	
Keeper	Both	1999-08	34-281	3 Round Beads. 0.275 Stem Dia.	
	Both	1986-99	34-619	0.313 Stem Dia. 3 Round Beads.	
Lifter	Both	1992-08	36-2205	Hydraulic Roller	
	Both	1986-91	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1999-08	38-300-45	Viton. Ring and Band. 0.275 Stem	
	Both	1986-99	38-936-45	Viton. Ring and Band. For 5/16 Stem Dia..	
Retainer	Both	1999-08	55-6197	Chrome Moly. 0.982 O.D. 0.275 Stem	
Push Rod	Both	1986-99	74-6377	5.957 Length	
	Both	1997-08	74-6604	5.297 Length	
LINE 51	182 C.I. (3.0L) DOHC 24V Vin Y Yamaha SHO			1989-95 V6	BORE - 3.50"/88.9mm
Valve	Exh	1989-95	10-10168S	1.180 Head Dia. 0.2350 Stem	
	Int	1989-95	10-10167	1.378 Head Dia. 0.2350 Stem	
Valve Seat Insert	Exh	1989-95	20-1312-3	1.000 I.D. 1-5/16 O.D. 7/32 Depth	
	Int	1989-95	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.	
Guide	Both	1989-95	30-8559	1.575 OAL	
Valve Stem Seal	Both	1989-95	38-998-45	Viton. Metal Clad. 0.236 Stem.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 52	3198cc (3.2L) DOHC 20V D 99V Powerstroke TRB			2015-19 L5	BORE - 3.64"/92.5mm
Valve	Exh	2016-19	10-13446S	1.016 Head Dia. 0.272 Stem. 4.799 OAL	
	Int	2016-19	10-13445	1.173 Head Dia. 0.273 Stem. 4.806 OAL	
Keeper	Both	2016-19	34-5031	3 Round Beads	
Valve Stem Seal	Both	2016-19	38-7000-55	Viton. Top Hat. 7mm x 0.480	
LINE 53	195 C.I. (3.2L) DOHC 24V Vin P Yamaha SHO			1993-95 V6	BORE - 3.50"/88.9mm
Valve	Exh	1993-95	10-10168S	1.180 Head Dia.	
	Int	1993-95	10-10167	1.378 Head Dia.	
Valve Seat Insert	Exh	1993-95	20-1312-3	1.000 I.D. 1-5/16 O.D. 7/32 Depth	
	Int	1993-95	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.	
Guide	Both	1993-95	30-8559	1.575 OAL	
Valve Stem Seal	Both	1993-95	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 54	3275cc (3.3L) SOHC (Nissan VG33E) 12V Vin A,T			1999-02 V6	BORE - 3.60"/91.5mm
Valve	Int	1999-02	10-10281	1.657 Head Dia. 0.2744 Stem	
Valve Seat Insert	Exh	1999-02	21-1500-68	1.179T I.D. 1-1/2 O.D. 0.293 Depth.	
	Int	1999-02	21-1812-55	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
Guide	Exh	1999-02	30-8389	2.500 OAL. 0.474 O.D.	
	Int	1999-02	30-8388	2.315 OAL. 0.4345 O.D. +2 O/S Avail.	
Keeper	Both	1999-02	34-5007	1 Groove	
Lifter	Both	1999-02	36-2198	Hydraulic	
Valve Stem Seal	Exh	1999-02	38-962-45	Viton. Ring And Spring. 0.314 Stem	
	Int	1999-02	38-503-55	Viton. Metal Clad. 0.274 Stem	
Expansion Plug Kit		1999-02	97-0230	Steel Kit.	
		1999-02	97-0230B	Brass Kit.	
LINE 55	200 C.I. (3.3L) OHV 12V Vin B,T,X			1963-83 L6	BORE - 3.60"/93.5mm
Valve	Exh	1965-83	10-1266	1.390 Head Dia. 0.3101 Stem. 4.260 OAL.	
	Exh	1965-83	10-1266+15	1.390 Head Dia. 0.3251 Stem. 4.260 OAL.	
	Exh	1965-83	10-1266+3	1.390 Head Dia. 0.3131 Stem. 4.260 OAL.	
	Exh	1965-83	10-1266+30	1.390 Head Dia. 0.3401 Stem. 4.260 OAL.	
	Int	1965-76	10-1268	1.651 Head Dia. 0.3103 Stem. 4.260 OAL	
	Int	1965-76	10-1268+3	1.651 Head Dia. 0.3133 Stem. 4.260 OAL	
	Int	1965-76	10-1268+30	1.651 Head Dia. 0.3403 Stem. 4.260 OAL	
	Int	1977-83	10-1357	1.751 Head Dia. 0.3103 Stem. 4.260 OAL	
	Int	1977-83	10-1357+15	1.751 Head Dia. 0.3253 Stem. 4.260 OAL	
	Int	1977-83	10-1357+3	1.751 Head Dia. 0.3133 Stem. 4.260 OAL	
	Int	1977-83	10-1357+30	1.751 Head Dia. 0.3403 Stem. 4.260 OAL	
Valve Seat Insert	Exh	1963-64	20-1375-4	1-1/8 I.D. 1-3/8 O.D. 3/16 Depth w/ 1.268 Valve Head Dia.	
	Exh	1965-83	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth w/ 1.390 Valve Head Dia.	
	Int	1963-64	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. w/ 1.527 Valve Head. +5, 10, 15, 30 O/S Avail.	
	Int	1965-76	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.651 Valve Head Dia. +10 O/S Avail.	
	Int	1977-83	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1977-83	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
Guide	Both	1978-83	30-6869	1.875 OAL 0.3125 I.D. 0.4390 O.D.	
	Both	1978-83	30-6977	2.281 OAL 0.3120 I.D. 0.5020 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE (see online catalog for latest appl. info.)
LINE 55	**200 C.I. (3.3L) OHV 12V Vin B,T,X**			**1963-83 L6 BORE - 3.60"/93.5mm**
Guide	Both	1963-83	**30-9869**	1.875 OAL. Spiral 0.3125 I.D. 0.439 O.D.
	Both	1963-83	**30-9977**	2.281 OAL. 0.502 O.D. Spiral I.D. Hardened H Suffix and 30-6977 Plain I.D. Also Avail.
Spring	Both	1963-83	**32-778**	1.828 Free Length.
Keeper	Both	1963-83	**34-614**	Heat Treated. 1 Groove.
Lifter	Both	1963-83	**36-2083**	Hydraulic
Valve Stem Seal	Both	1963-83	**38-1062-70**	Teflon And Rubber. 1 Ring
	Both	1963-83	**38-766-15**	Nitrile. Umbrella.
	Both	1963-83	**38-766-25**	Polyacrylic. Umbrella.
Rocker Component	Both	1964-83	**42-2652**	Rocker Arm Shaft
Expansion Plug Kit		1963-83	**97-14**	Steel Kit.
		1963-83	**97-14B**	Brass Kit.
LINE 56	**204 C.I. (3.3L) DOHC 24V Vin B,W**			**2018-25 V6 BORE - 3.56"/90.4mm**
Valve	Exh	2018-25	**10-13226**	1.220 Head Dia. 1 Groove. 0.2155 Stem
	Int	2018-25	**10-13225**	1.457 Head Dia. 1 Groove. 0.2161 Stem
Guide	Both	2018-25	**30-3170**	1.395 OAL. 0.2177 I.D. 0.4355 O.D.
Spring	Both	2018-25	**32-5009**	1.858 Free Length. Conical
Keeper	Both	2018-25	**34-5024**	1 Round Bead. 0.216 Stem
Lifter	Both	2018-25	**36-2314**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2018-25	**38-6125-55**	Viton. Top Hat. 0.216 Stem
LINE 57	**207 C.I. (3.4L) DOHC 32V SHO Vin N**			**1996-99 V8 BORE - 3.2"/81.3mm**
Valve	Exh	1996-99	**10-1939S**	1.062 Head Dia.
Guide	Both	1996-99	**30-8559**	1.575 OAL
LINE 58	**213 C.I. (3.5L) DOHC 24V Vin 4,8,C,D,G,T,W TRB**			**2007-25 V6 BORE - 3.64"/92.5mm**
Valve	Exh	2007-15	**10-13226**	1.220 Head Dia. 1 Groove. 0.2155 Stem
	Exh	2010-25	**10-13345S**	1.220 Head Dia. 1 Groove. 0.2155 Stem
	Exh	2017-25	**10-13496**	1.245 Head Dia. 3G. 0.2346 Stem. OEM # HL3Z6505C
	Int	2007-25	**10-13225**	1.457 Head Dia. 1 Groove. 0.2161 Stem
	Int	2017-25	**10-13495**	1.476 Head Dia. 3G. 0.2356 Stem. OEM # HL3Z650C
Guide	Both	2007-25	**30-3170**	1.395 OAL. 0.2177 I.D. 0.4355 O.D.
Spring	Both	2007-19	**32-5009**	1.858 Free Length. Conical
	Both	2010-25	**32-5019**	2.176 Free Length. Conical.
	Both	2017-25	**32-6712**	2.457 Free Length. Conical.
Keeper	Both	2017-25	**34-03722**	3 Round Beads. 0.234 Stem
	Both	2007-25	**34-5024**	1 Round Bead. 0.216 Stem
Lifter	Both	2007-25	**36-2314**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-25	**38-6125-55**	Viton. Top Hat. 0.216 Stem
	Both	2017-25	**38-6518-55**	Viton. Top Hat.
Retainer	Both	2017-25	**55-7715**	Retainer. 0.234 Stem
LINE 59	**215 C.I. (3.5L) OHV 12V**			**1952-53 L6 BORE - 3.56"/90.5mm**
Valve	Exh	1952-53	**10-375**	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.
	Exh	1952-53	**10-375+3**	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.
	Exh	1952-53	**10-375+30**	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.
Guide	Both	1952-53	**30-6105**	2.500 OAL. 0.3440 Plain I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 59	215 C.I. (3.5L) OHV 12V			1952-53 L6	BORE - 3.56"/90.5mm
Guide	Both	1952-53	30-6105U	2.500 OAL. 0.3390 Undersize Plain I.D. 0.5020 O.D.	
Spring	Exh	1952-53	32-611	2.090 Free Length	
Keeper	Exh	1952-53	34-555	1 Square Groove. Heat Treated	
Valve Stem Seal	Exh	1952-53	38-1054-70	Teflon And Rubber. 0.341 Stem Dia. May Need To Machine Guide	
	Exh	1952-53	38-240-25	Polyacrylic. O-Ring.	
Push Rod	Both	1952-53	74-6080	9.605 Length	
LINE 60	221 C.I. (3.6L) OHV 16V			1962-63 V8	BORE - 3.50"/88.9mm
Valve Seat Insert	Exh	1962-63	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1962-63	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
Guide	Both	1962-63	30-6872	2.281 OAL 0.3120 I.D. 0.4390 O.D.	
	Both	1962-63	30-6977	2.281 OAL 0.3120 I.D. 0.5020 O.D.	
	Both	1962-63	30-9872	2.281 OAL. Spiral 0.3070 I.D. 0.4390 O.D.	
	Both	1962-63	30-9977	2.281 OAL. 0.502 O.D. Spiral I.D. Hardened H Suffix and 30-6977 Plain I.D. Also Avail.	
Spring	Both	1962-63	32-611	2.090 Free Length	
Keeper	Both	1962-63	34-614	Heat Treated. 1 Groove.	
Lifter	Both	1962-63	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1962-63	38-1062-70	Teflon And Rubber. 1 Ring	
	Both	1962-63	38-915-25	Polyacrylic. Umbrella.	
Push Rod	Both	1962-63	74-6279	6.804 Length	
Expansion Plug Kit		1962-63	97-17	Steel Kit.	
		1962-63	97-17B	Brass Kit.	
LINE 61	223 C.I. (3.7L) OHV 12V			1954-64 L6	BORE - 3.63"/92.1mm
Valve	Exh	1954-64	10-375	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.	
	Exh	1954-64	10-375+3	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.	
	Exh	1954-64	10-375+30	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.	
	Int	1954-64	10-373	1.780 Head Dia. .0.3421 Stem. 5.110 OAL	
	Int	1954-64	10-373+15	1.780 Head Dia. .0.3571 Stem. 5.110 OAL	
	Int	1954-64	10-373+3	1.780 Head Dia. .0.3451 Stem. 5.110 OAL	
	Int	1954-64	10-373+30	1.780 Head Dia. .0.3721 Stem. 5.110 OAL	
Valve Seat Insert	Exh	1954-64	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Int	1954-64	20-1875-6	1-5/8 I.D. 1-7/8 O.D. 7/32 Depth.	
Guide	Both	1954-64	30-6105	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.	
	Both	1954-64	30-9105	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.	
Spring	Both	1954-64	32-611	2.090 Free Length	
Keeper	Both	1954-64	34-555	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1954-64	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1954-64	38-530-25	Polyacrylic. Umbrella.	
	Both	1954-64	38-925-25	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.	
	Both	1954-64	38-951-25	Polyacrylic. 2-Ring.	
Push Rod	Both	1954-64	74-6080	9.605 Length	
Expansion Plug Kit		1954-64	97-15	Steel Kit.	
		1954-64	97-15B	Brass Kit.	
LINE 62	226 C.I. (3.7L) L-Head 12V			1946-51 L6	BORE - 3.30"/83.8mm
Guide	Both	1947-51	30-1613	2.188 OAL 0.3435 I.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 62	**226 C.I. (3.7L) L-Head 12V**			**1946-51 L6**	**BORE - 3.30"/83.8mm**
Keeper	Both	1947-51	**34-555**	1 Square Groove. Heat Treated	
LINE 63	**227 C.I. (3.7L) DOHC 24V Vin K,M,R Duratec**			**2011-20 V6**	**BORE - 3.76"/95.5mm**
Valve	Exh	2011-20	**10-13226**	1.220 Head Dia. 1 Groove. 0.2155 Stem	
	Int	2011-20	**10-13225**	1.457 Head Dia. 1 Groove. 0.2161 Stem	
Guide	Both	2011-20	**30-3170**	1.395 OAL. 0.2177 I.D. 0.4355 O.D.	
Spring	Both	2011-20	**32-5009**	1.858 Free Length. Conical	
Keeper	Both	2011-20	**34-5024**	1 Round Bead. 0.216 Stem	
Lifter	Both	2011-20	**36-2314**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2011-20	**38-6125-55**	Viton. Top Hat. 0.216 Stem	
LINE 64	**232 C.I. (3.8L) OHV 12V Vin C,R,3,4,6**			**1982-07 V6**	**BORE - 3.81"/96.8mm**
Valve	Exh	1982-95	**10-1469**	1.460 Head Dia. 0.3414 Stem. 4.845 OAL. 4G.	
	Exh	1982-95	**10-1469+15**	1.460 Head Dia. 0.3564 Stem. 4.845 OAL. 4G.	
	Exh	1982-95	**10-1469+3**	1.460 Head Dia. 0.3434 Stem. 4.845 OAL. 4G.	
	Exh	1996-07	**10-1791**	1.461 Head Dia. 0.274 Stem Dia.	
	Int	1982-95	**10-1470**	1.782 Head Dia. 0.3419 Stem. 4.840 OAL. 4G	
	Int	1982-95	**10-1470+15**	1.782 Head Dia. 0.3569 Stem. 4.840 OAL. 4G	
	Int	1996-07	**10-1789**	1.861 Head Dia. 0.275 Stem Dia.	
	Int	1996-99	**10-1790**	1.782 Head Dia. 0.275 Stem Dia.	
Valve Seat Insert	Exh	1996-07	**21-1562-67**	1.255T I.D. 1-9/16 O.D. 0.319 Depth. Check Depth.	
	Exh	1982-99	**21-1625-54**	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
Guide	Both	1982-95	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both	1982-95	**30-8545**	2.250 OAL. 0.344 I.D. 0.499 O.D. Knock Out Style	
	Both	1982-95	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Exh	1996-07	**30-8574**	2.200 OAL. 0.2765 I.D. 0.4955 O.D.	
	Int	1996-07	**30-8575**	2.050 OAL. 0.2765 I.D. 0.4955 O.D.	
Spring	Both	1996-07	**32-2475**	1.975 Free Length. Conical.	
Keeper	Both	1996-07	**34-281**	3 Round Beads. 0.275 Stem Dia.	
	Both	1982-95	**34-620**	Heat Treated. 4G	
Lifter	Both	1989-07	**36-2205**	Hydraulic Roller.	
	Both	1982-88	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1998-00	**38-124-45**	Top Hat. Viton. 0.637 Height	
	Both	2001-07	**38-224-45**	Top Hat. Viton. Height 0.837	
	Both	1996-98	**38-309-45**	Viton. Metal Clad. Use w/ 0.275 Stem Dia. Dual Port	
	Both	1982-88	**38-923-35**	Glass Filled Nylon. Umbrella.	
	Exh	1982-95	**38-810-45**	Viton. Ring And Band. Use w/ 0.341 Stem Dia.	
	Int	1989-95	**38-108-45**	Viton. Metal Clad. Use w/ 0.341 Stem Dia.	
Rocker Component	Both	1982-07	**40-2819**	Rocker Arm	
Rocker Kit	Both	1982-07	**41-2810**	Rocker Kit	
Push Rod	Both	1989-06	**74-6434**	7.136 Length. OEM # E9SZ6565A	
Expansion Plug Kit		1982-07	**97-94**	Steel Kit	
		1982-07	**97-94B**	Brass Kit.	
LINE 65	**239 C.I. (3.9L) L-Head 16V**			**1932-53 V8**	**BORE - 3.19"/80.9mm**
Valve	Both	1948-51	**10-212**	1.510 Head Dia. 4.819 Length	
Valve Seat Insert	Int	1946-53	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 65	239 C.I. (3.9L) L-Head 16V			1932-53 V8	BORE - 3.19"/80.9mm
Valve Seat Insert	Exh	1946-53	22-1640-1	1-3/8 I.D. 1.640 O.D. 1/4 Depth	
Guide	Both	1948-53	30-1614	2.210 OAL. 0.3435 I.D.	
Spring	Both	1946-53	32-611	2.090 Free Length	
Keeper	Both	1946-51	34-555	1 Square Groove. Heat Treated.	
LINE 66	239 C.I. (3.9L) OHV 16V			1954-55 V8	BORE - 3.50"/88.9mm
Valve	Exh	1954-55	10-375	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.	
	Exh	1954-55	10-375+3	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.	
	Exh	1954-55	10-375+30	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.	
	Int	1954-55	10-376	1.647 Head Dia. 0.3420 Stem. 5.090 OAL	
	Int	1954-55	10-376+30	1.647 Head Dia. 0.3720 Stem. 5.090 OAL	
Valve Seat Insert	Int	1954-55	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Exh	1954-55	22-1640-1	1-3/8 I.D. 1.640 O.D. 1/4 Depth	
Guide	Exh	1954-55	30-9604	2.625 OAL. Spiral 0.344 I.D. 30-5604 Plain I.D. Also Avail.	
	Int	1954-55	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1954-55	32-611	2.090 Free Length. w/o Rotator	
Keeper	Both	1954-55	34-555	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1954-55	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
Expansion Plug Kit		1954-55	97-20	Steel Kit.	
		1954-55	97-20B	Brass Kit.	
LINE 67	240 C.I. (3.9L) 12V Vin B,E			1965-74 L6	BORE - 4.00"/101.6mm
Valve	Exh	1965-74	10-1358	1.560 Head Dia. 4.810 OAL. Exc. 1967-72 Taxi & Police.	
	Exh	1965-74	10-1358+15	1.560 Head Dia. 4.810 OAL. Exc. 1967-72 Taxi & Police.	
	Exh	1965-74	10-1358+3	1.560 Head Dia. 4.810 OAL. Exc. 1967-72 Taxi & Police.	
	Exh	1965-74	10-1358+30	1.560 Head Dia. 4.810 OAL. Exc. 1967-72 Taxi & Police.	
	Exh	1967-70	10-965S	1.560 Head Dia. 4.810 Taxi & Police To L-18.	
	Exh	1965-70	10-965S+15	1.560 Head Dia. 4.810 Taxi & Police To L-18.	
	Int	1967-74	10-1120	1.780 Head Dia. 4.810 OAL. 1967-70 Taxi & Police, All 1971-72.	
	Int	1967-74	10-1120+15	1.780 Head Dia. 4.810 OAL. 1967-70 Taxi & Police, All 1971-72.	
	Int	1967-74	10-1120+3	1.780 Head Dia. 4.810 OAL. 1967-70 Taxi & Police, All 1971-72.	
	Int	1967-74	10-1120+30	1.780 Head Dia. 4.810 OAL. 1967-70 Taxi & Police, All 1971-72.	
	Int	1965-74	10-963	1.781 Head Dia. 4.810 OAL. Exc. Taxi & Police.	
	Int	1965-74	10-963+15	1.781 Head Dia. 4.810 OAL. Exc. Taxi & Police.	
	Int	1965-74	10-963+3	1.781 Head Dia. 4.810 OAL. Exc. Taxi & Police.	
	Int	1965-74	10-963+30	1.781 Head Dia. 4.810 OAL. Exc. Taxi & Police.	
Valve Seat Insert	Exh	1965-74	20-1687-1	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth	
	Int	1965-74	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both	1965-74	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1965-74	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1965-74	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1965-74	32-807	1.990 Free Length. 1965-67 Int. Only, 1968-72 Both; w/o Rotator	
	Both	1965-74	32-812	1.875 Free Length. 65-67: Exh Only. Use w/o Rotator	
Keeper	Both	1965-74	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1965-74	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1965-74	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1965-74	38-1065-70	Teflon And Rubber.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 67	240 C.I. (3.9L) 12V Vin B,E			1965-74 L6	BORE - 4.00"/101.6mm
Valve Stem Seal	Both	1965-74	38-1066-75	All Teflon. 11/32 x 0.530	
	Both	1965-74	38-259-35	Glass Filled Nylon. Umbrella.	
	Both	1965-74	38-951-25	Polyacrylic. 2-Ring.	
Push Rod	Both	1965-72	74-6306	10.136 Length	
Expansion Plug Kit		1965-74	97-16	Steel Kit.	
		1965-74	97-16B	Brass Kit.	
LINE 68	242 C.I. (3.9L) DOHC 32V Vin A			2000-06 V8	BORE - 3.39"/86.0mm
Valve	Exh	2000-06	10-2193	1.215 Head Dia.	
Valve Stem Seal	Both	2000-06	38-6120-55	Viton. Top Hat.	
LINE 69	244 C.I. (4.0L) OHV 12V VGE4 German Vin X			1990-01 V6	BORE - 3.95"/100.3mm
Valve	Exh	1990-01	10-10388	1.358 Head Dia. 4.098 OAL. 3G.	
	Exh	1990-01	10-10388+15	1.358 Head Dia. 4.098 OAL. 3G.	
	Exh	1990-01	10-10388+3	1.358 Head Dia. 4.098 OAL. 3G.	
	Int	1990-01	10-10387	1.713 Head Dia. 4.092 OAL. 1G.	
	Int	1990-01	10-10387+15	1.713 Head Dia. 4.092 OAL. 1G.	
	Int	1990-01	10-10387+3	1.713 Head Dia. 4.092 OAL. 1G.	
Valve Seat Insert	Exh	1990-01	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1990-01	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1990-01	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
Guide	Both	1993-00	30-7198	2.000 OAL. Plain 0.3175 I.D. 0.502 O.D.	
	Both	1990-01	30-9198	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.	
Spring	Both	1990-01	32-1684	2.129 Free Length.	
Keeper	Exh	1990-01	34-00515	3 Round Beads. 0.313 Stem	
	Int	1990-01	34-614	Heat Treated. 1 Groove.	
Lifter	Both	1990-01	36-2244	Hydraulic Roller.	
Valve Stem Seal	Both	1990-01	38-812-45	Viton. Metal Clad. 0.315 Stem. 0.472 Guide OD	
Rocker Component	Both	1990-00	40-1807	Rocker Arm. Cast. OEM # F0TZ6564A	
Retainer	Both	1990-01	55-6199	Chrome Moly. 1.250 O.D. 0.315 Stem	
Expansion Plug Kit		1990-01	97-134	Steel Kit.	
		1990-01	97-134B	Brass Kit.	
LINE 70	245 C.I. (4.0L) SOHC 12V Vin E,K,N			1997-11 V6	BORE - 3.95"/100.4mm
Valve	Exh	1997-11	10-1914	1.535 Head Dia. 0.2739 Stem. 4.524 OAL. 3 Grv.	
	Int	1997-11	10-1913	1.811 Head Dia. 0.275 Stem. 3G	
Valve Seat Insert	Exh	1997-11	21-1625-54	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
Guide	Both	1997-10	30-8663	1.740 OAL. Incl. Lock Ring	
Spring	Both	1997-11	32-2302	1.694 Free Length.	
Keeper	Both	1997-11	34-281	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	1997-11	36-7005	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1997-11	38-292-45	Viton. Top Hat.	
Retainer	Both	1997-11	55-7700	Retainer. 1.152 O.D. 0.275 Stem	
Expansion Plug Kit		1997-11	97-148	Steel Kit.	
		1997-11	97-148B	Brass Kit	
LINE 71	250 C.I. (4.1L) OHV 12V Vin C, L			1969-80 L6	BORE - 3.60"/93.5mm
Valve	Exh	1969-80	10-1266	1.390 Head Dia. 0.3101 Stem. 4.260 OAL.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 71	250 C.I. (4.1L) OHV 12V Vin C, L			1969-80 L6 BORE - 3.60"/93.5mm
Valve	Exh	1969-80	**10-1266+15**	1.390 Head Dia. 0.3251 Stem. 4.260 OAL.
	Exh	1969-80	**10-1266+3**	1.390 Head Dia. 0.3131 Stem. 4.260 OAL.
	Exh	1969-80	**10-1266+30**	1.390 Head Dia. 0.3401 Stem. 4.260 OAL.
	Int	1969-76	**10-1268**	1.651 Head Dia. 0.3103 Stem. 4.260 OAL
	Int	1969-76	**10-1268+3**	1.651 Head Dia. 0.3133 Stem. 4.260 OAL
	Int	1969-76	**10-1268+30**	1.651 Head Dia. 0.3403 Stem. 4.260 OAL
	Int	1977-80	**10-1357**	1.751 Head Dia. 0.3103 Stem. 4.260 OAL
	Int	1977-80	**10-1357+15**	1.751 Head Dia. 0.3253 Stem. 4.260 OAL
	Int	1977-80	**10-1357+3**	1.751 Head Dia. 0.3133 Stem. 4.260 OAL
	Int	1977-80	**10-1357+30**	1.751 Head Dia. 0.3403 Stem. 4.260 OAL
Valve Seat Insert	Exh	1969-80	**20-1437-2**	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1969-76	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.651 Valve Head Dia. +10 O/S Avail.
	Int	1977-80	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Int	1977-80	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
Guide	Both	1978-80	**30-6869**	1.875 OAL 0.3125 I.D. 0.4390 O.D.
	Both	1978-80	**30-6977**	2.281 OAL 0.3120 I.D. 0.5020 O.D.
	Both	1969-80	**30-9869**	1.875 OAL. Spiral 0.3125 I.D. 0.439 O.D.
	Both	1969-80	**30-9977**	2.281 OAL. 0.502 O.D. Spiral I.D. Hardened H Suffix and 30-6977 Plain I.D. Also Avail.
Spring	Both	1969-80	**32-778**	1.828 Free Length.
Keeper	Both	1969-80	**34-614**	Heat Treated. 1 Groove.
Lifter	Both	1969-80	**36-2083**	Hydraulic
Valve Stem Seal	Both	1969-80	**38-1062-70**	Teflon And Rubber. 1 Ring
	Both	1969-80	**38-766-15**	Nitrile. Umbrella.
	Both	1969-80	**38-766-25**	Polyacrylic. Umbrella.
Rocker Component	Both	1969-80	**42-2652**	Rocker Arm Shaft
Expansion Plug Kit		1969-80	**97-14**	Steel Kit.
		1969-80	**97-14B**	Brass Kit.
LINE 72	255 C.I. (4.2L) OHV 16V Vin D			1980-82 V8 BORE - 3.60"/93.5mm
Valve	Exh	1980-82	**10-1135**	1.451 Head Dia. 5.070 OAL. Wafer Welded Tip Does Not Require A Wear Cap.
	Exh	1980-82	**10-1135+15**	1.451 Head Dia. 5.070 OAL. Wafer Welded Tip Does Not Require A Wear Cap.
	Exh	1980-82	**10-1135+3**	1.451 Head Dia. 5.070 OAL. Wafer Welded Tip Does Not Require A Wear Cap.
	Exh	1980-82	**10-1135+30**	1.451 Head Dia. 5.070 OAL. Wafer Welded Tip Does Not Require A Wear Cap.
	Int	1980-82	**10-1416**	1.682 Head Dia. 0.3419 Stem. 5.070 OAL.
	Int	1980-82	**10-1416+15**	1.682 Head Dia. 0.3569 Stem. 5.070 OAL.
Valve Seat Insert	Exh	1980-82	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1980-82	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Int	1980-82	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Both	1980-82	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1980-82	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Exh	1980-82	**32-1086**	1.923 Free Length.
	Int	1980-82	**32-1175**	2.040 Free Length.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 72	255 C.I. (4.2L) OHV 16V Vin D			1980-82 V8	BORE - 3.60"/93.5mm
Keeper	Both	1980-82	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1980-82	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1980-82	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1980-82	38-923-35	Glass Filled Nylon. Umbrella.	
	Both	1980-82	38-938-25	Polyacrylic. Ring And Band.	
	Both	1980-82	38-938-45	Viton. Ring And Band.	
	Both	1980-82	38-951-25	Polyacrylic. 2-Ring.	
Rocker Component	Both	1980-82	40-2889	Rocker Arm, Stamped	
Rocker Kit	Both	1980-82	41-2548	1 40-2889, 1 42-1741 Bolt, 1 42-1776 Pivot	
Push Rod	Both	1980-82	74-6281	6.876 Length	
Expansion Plug Kit		1980-82	97-17	Steel Kit.	
		1980-82	97-17B	Brass Kit.	
LINE 73	256 C.I. (4.2L) OHV 12V Vin 2			1997-08 V6	BORE - 3.81"/96.8mm
Valve	Exh	1997-08	10-1791	1.461 Head Dia. 0.274 Stem Dia.	
	Int	1997-08	10-1789	1.861 Head Dia. 0.275 Stem Dia.	
Valve Seat Insert	Exh	1997-08	21-1562-67	1.255T I.D. 1-9/16 O.D. 0.319 Depth. Check Depth, May Need Machining.	
Guide	Exh	1997-08	30-8574	2.200 OAL	
	Int	1997-08	30-8575	2.050 OAL	
Spring	Both	1997-08	32-2475	1.975 Free Length. Conical	
Keeper	Both	1997-08	34-281	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	1997-08	36-2205	Hydraulic Roller	
Valve Stem Seal	Both	1998-00	38-124-45	Top Hat. Viton. 0.637 Height	
	Both	2001-08	38-224-45	Top Hat. Viton. Height 0.837	
	Both	1997-98	38-309-45	Viton. Metal Clad.	
Rocker Component	Both	1997-08	40-2819	Rocker Arm	
Rocker Kit	Both	1997-08	41-2810	Rocker Kit	
Push Rod	Both	1997-08	74-6434	7.136 Length.	
Expansion Plug Kit		1997-08	97-94	Steel Kit	
		1997-08	97-94B	Brass Kit.	
LINE 74	256 C.I. (4.2L) OHV 16V			1954-55 V8	BORE - 3.62"/92.0mm
Valve	Exh	1954-55	10-375	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.	
	Exh	1954-55	10-375+3	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.	
	Exh	1954-55	10-375+30	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.	
	Int	1954-55	10-373	1.780 Head Dia. .0.3421 Stem. 5.110 OAL	
	Int	1954-55	10-373+15	1.780 Head Dia. .0.3571 Stem. 5.110 OAL	
	Int	1954-55	10-373+3	1.780 Head Dia. .0.3451 Stem. 5.110 OAL	
	Int	1954-55	10-373+30	1.780 Head Dia. .0.3721 Stem. 5.110 OAL	
Valve Seat Insert	Int	1954-55	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
	Exh	1954-55	22-1630-1	1.335 I.D. 1.630 O.D. 0.312 Depth.	
	Exh	1954-55	22-1630-1N	1.335 I.D. 1.630 O.D. 0.312 Depth. Nickel.	
Guide	Exh	1954-55	30-9604	2.625 OAL. Spiral 0.344 I.D. 30-5604 Plain I.D. Also Avail.	
	Int	1954-55	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1954-55	32-611	2.090 Free Length	
Keeper	Both	1954-55	34-613	1 Groove. Heat Treated	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 75	255 C.I. (4.2L) L-Head 16V			1948-53 V-8 BORE - 3.19"/81.0mm
Valve	Both	1948-51	10-212	1.510 Head Dia. 4.819 OAL
Valve Seat Insert	Int	1948-53	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.
	Exh	1948-53	22-1640-1	1-3/8 I.D. 1.640 O.D. 1/4 Depth
Guide	Both	1949-53	30-1613	2.188 OAL. 0.3435 I.D. 0.6575 O.D.
	Both	1948-53	30-1614	2.210 OAL. 0.3435 I.D. 1.031 O.D.
Keeper	Both	1948-53	34-555	1 Square Groove. Heat Treated.
LINE 76	260 C.I. (4.3L) OHV 16V			1962-65 V8 BORE - 3.80"/96.5mm
Valve	Exh	1964-65	10-742	1.450 Head Dia. 0.3420 Stem. 4.863 OAL
	Exh	1964-65	10-742+15	1.450 Head Dia. 0.3570 Stem. 4.863 OAL
	Exh	1964-65	10-742+3	1.450 Head Dia. 0.3450 Stem. 4.863 OAL
	Exh	1964-65	10-742+30	1.450 Head Dia. 0.3720 Stem. 4.863 OAL
Valve Seat Insert	Exh	1962-63	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Exh	1964-65	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1964-65	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Int	1962-63	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1964-65	20-1750-1	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.
Guide	Both	1962-65	30-6977	2.281 OAL. 0.3120 Plain I.D. 0.502 O.D.
	Both	1962-65	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Both	1962-65	30-9869	1.875 OAL. Spiral 0.3125 I.D. 0.439 O.D.
	Both	1962-65	30-9977	2.281 OAL. 0.502 O.D. Spiral I.D. Hardened H Suffix .
	Both	1962-65	30-9977U	2.281 OAL. Undersized Spiral 0.3070 I.D. 0.502 O.D.
Spring	Both	1962-65	32-611	2.090 Free Length
Keeper	Both	1964-65	34-555	1 Square Groove. Heat Treated.
Lifter	Both	1962-65	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1962-65	38-450-15	Nitrile. Umbrella.
	Both	1962-65	38-450-25	Polyacrylic. Umbrella.
	Both	1962-65	38-450-45	Viton. Umbrella.
	Both	1962-63	38-951-25	Polyacrylic. 2-Ring.
Rocker Kit	Both	1962-65	41-2511	Rocker Kit
Push Rod	Both	1962-64	74-6279	6.804 Length
Expansion Plug Kit		1962-65	97-17	Steel Kit.
		1962-65	97-17B	Brass Kit.
LINE 77	262 C.I. (4.3L) OHV 12V			1961-64 L6 BORE - 3.72"/94.4mm
Valve Seat Insert	Int	1961-64	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
	Exh	1961-64	22-1630-1	1.335 I.D. 1.630 O.D. 0.312 Depth. Replaces OEM # C4TZ-6057-A & D1TZ-6057-A.
Guide	Exh	1961-64	30-7298	2.375 OAL. 0.373 Plain I.D. 0.502 O.D.
	Exh	1961-64	30-9298	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
	Int	1961-64	30-9964	2.250 OAL. Spiral 0.373 I.D. 0.5020 O.D.
Spring	Both	1961-64	32-611	2.090 Free Length
Keeper	Both	1961-64	34-613	1 Groove. Heat Treated
Expansion Plug Kit		1961-64	97-15	Steel Kit.
		1961-64	97-15B	Brass Kit.
LINE 78	272 C.I. (4.5L) OHV 16V			1955-62 V8 BORE - 3.63"/92.1mm
Valve	Exh	1955-62	10-375	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 78	272 C.I. (4.5L) OHV 16V			1955-62 V8	BORE - 3.63"/92.1mm
Valve	Exh	1955-62	10-375+3	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.	
	Exh	1955-62	10-375+30	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.	
	Int	1955-58	10-373	1.780 Head Dia. .0.3421 Stem. 5.110 OAL	
	Int	1955-58	10-373+15	1.780 Head Dia. .0.3571 Stem. 5.110 OAL	
	Int	1955-58	10-373+3	1.780 Head Dia. .0.3451 Stem. 5.110 OAL	
	Int	1955-58	10-373+30	1.780 Head Dia. .0.3721 Stem. 5.110 OAL	
	Int	1960-62	10-376	1.647 Head Dia. 0.3420 Stem.. 5.090 OAL	
	Int	1960-62	10-376+30	1.647 Head Dia. 0.3720 Stem.. 5.090 OAL	
	Int	1957-59	10-494	1.925 Head Dia.	
Valve Seat Insert	Exh	1956-58	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1956-58	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Exh	1955-57	20-1562-2	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1955-57	20-1562-2N	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1955-56	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.780 Valve Head Dia.	
	Int	1957-59	20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.	
	Int	1957-59	20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
Guide	Both	1955-58	30-6105	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.	
	Both	1955-58	30-9105	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.	
	Exh	1956-58	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1956-58	30-9119	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.	
	Exh	1956-58	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1955-57	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1955-58	32-611	2.090 Free Length.	
Keeper	Both	1955-62	34-555	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1955-62	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1955-57	38-810-45	Viton. Ring And Band.	
	Both	1955-62	38-925-15	Nitrile. Ring And Band.	
	Both	1955-62	38-925-25	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.	
Expansion Plug Kit		1955-62	97-20	Steel Kit.	
		1955-62	97-20B	Brass Kit.	
LINE 79	275 C.I. (4.5L) Vin Z, LCF MaxxForce 5 24V D TRB			2006-10 V6	BORE - 3.74"/95.0mm
Valve	Exh	2006-10	10-2180	1.102 Head Dia.	
	Int	2006-10	10-2179	1.339 Head Dia. 0.2737 Stem	
Valve Seat Insert	Exh	2006-10	20-1250-15N	0.905 I.D. 1.2550 O.D. 0.250 Depth. Nickel. May Need Machining	
	Exh	2006-10	20-1250-3	1.000 I.D. 1-1/4 O.D. 1/4 Depth. May Need Machining	
	Int	2006-10	20-1375-2	1.125 I.D. 1.3795 Exact O.D. 0.250 Depth. May Need Machining	
Guide	Both	2006-10	30-3055	2.331 OAL. 0.2765 I.D. 0.4395 O.D.	
Spring	Both	2006-10	32-04040	2.076 Free Length.	
Keeper	Both	2006-10	34-5009	1 Round Bead. 0.274 Stem	
Lifter	Both	2006-10	36-2104	Hydraulic Roller. OEM # 3C3Z6500AA	
Valve Stem Seal	Both	2006-10	38-160-55	Viton. Top Hat.	
Push Rod	Both	2006-10	74-6662	9.795 Length. 11/32 x 0.060. Install Bronze End at Rocker Arm. OEM # 8C3Z6565B	
Injector Component		2006-10	87-8320	Injector Tube. Stainless. OEM# 3C3Z-9F538-AA	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 80	281 C.I. (4.6L) SOHC 16V Vin 6,9,V,W,X CNG Gas/Flex		1992-14 V8	BORE - 3.50"/90.2mm
Valve	Exh	1992-99	**10-1698**	1.339 Head Dia. 0.2737 Stem. 4.622 OAL
	Exh	1992-99	**10-1698+15**	1.339 Head Dia. 0.2887 Stem. 4.622 OAL
	Exh	1992-99	**10-1698S**	1.339 Head Dia. Stellite For CNG, LPG
	Exh	2000-14	**10-1925**	1.418 Head Dia. 4.681 Length.
	Exh	2000-14	**10-1925S**	1.418 Head Dia. 0.2740 Stem 4.681 OAL. Stellite for CNG, LPG
	Int	1992-99	**10-1699**	1.752 Head Dia. 0.275 Stem. 4.622 OAL
	Int	1992-99	**10-1699+15**	1.752 Head Dia. 0.290 Stem. 4.622 OAL
	Int	1992-99	**10-1699S**	1.752 Head Dia. Stellite For CNG, LPG
	Int	2000-14	**10-1924**	1.752 Head Dia. 4.752 Length.
	Int	2000-14	**10-1924S**	1.752 Head Dia. 0.2750 Stem 4.752 OAL. Stellite for CNG, LPG
Valve Seat Insert	Exh	1992-99	**21-1375-61N**	1.130T I.D. 1-3/8 O.D. 0.304 Depth. Nickel. Natl. Gas
	Exh	2000-14	**21-1500-50**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. Machine to Depth. Exc. CNG and LPG
	Exh	2000-14	**21-1500-50N**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. Nickel for CNG, LPG
	Int	1992-14	**21-1875-56**	1.600T I.D. 1-7/8 O.D. 0.252 Depth. Exc CNG and LPG.
Guide	Both	1994-14	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
	Both	1992-93	**30-8675**	1.930 OAL. Early Type w/ Stepped O.D.
Spring	Both	1992-99	**32-1615**	1.976 Free Length. Conical
	Both	2000-14	**32-2487**	2.101 Free Length. Conical
Keeper	Both	1992-14	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	1992-14	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1994-14	**38-111-45**	Viton. Top Hat. Use w/ Straight Guide
	Both	1992-93	**38-843-45**	Viton. Top Hat. Use w/ Stepped Guide
Rocker Component	Both	1992-14	**40-2929**	Rocker Arm
Retainer	Both	2000-14	**55-6194**	Chrome Moly. 0.890 O.D. 7mm Stem
	Both	1996-99	**55-6294**	Chrome Moly. 1.040 O.D. 7mm Stem
Expansion Plug Kit		1992-96	**97-122**	Steel Kit.
		1992-96	**97-122B**	Brass Kit.
		1997-14	**97-149**	Steel Kit.
		1997-14	**97-149B**	Brass Kit.
LINE 81	281 C.I. (4.6L) SOHC 24V Vin 8,H		2005-10 V8	BORE - 3.55"/90.2mm
Valve	Exh	2005-10	**10-2119**	1.476 Head Dia. 1V per Cyl.
	Exh	2006-07	**10-2265**	1.476 Head Dia. 1V per Cyl. Unleaded Fuel Only
	Int	2005-10	**10-2118**	1.331 Head Dia. 2V per Cyl.
	Int	2005-10	**10-2118S**	1.331 Head Dia. 2V per Cyl. Stellite
Valve Seat Insert	Exh	2005-10	**21-1500-73**	1.230 I.D. 1-1/2 0,D. 0.278 Depth
	Int	2005-10	**21-1375-50**	1.109T I.D. 1-3/8 O.D. 0.255 Depth. Ser. 1-4
	Int	2006-10	**21-1375-50N**	1.109T I.D. 1-3/8 O.D. 0.255 Depth. Ser. 1-4 Nickel.
Guide	Both	2005-10	**30-3047**	1.725 OAL. 0.436 O.D. 0.2371 I.D.
Spring	Both	2005-10	**32-04029**	2.174 Free Length.
Keeper	Both	2005-10	**34-03722**	3 Round Beads. 0.234 Stem
Lifter	Both	2005-10	**36-2305**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2005-10	**38-905-45**	Viton. Top Hat.
Rocker Component	Both	2005-10	**40-2930**	Cam Follower

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 82	281 C.I. (4.6L) DOHC 32V Vin A,H,R,V,Y			1993-05 V8 BORE - 3.55"/90.2mm
Valve	Exh	1993-05	**10-1708**	1.181 Head Dia. 0.274 Stem. 3G
	Int	1993-05	**10-1709**	1.456 Head Dia. 0.275 Stem. 3G
Valve Seat Insert	Exh	1993-05	**21-1250-61**	0.976 I.D. 1-1/4 O.D. 0.180 Depth
	Int	1993-05	**21-1500-79**	1.295 I.D. 1-1/2 O.D. 0.262 Depth.
Guide	Both	1993-05	**30-4207**	2.000 OAL 0.2765 I.D. 0.5020 O.D.
	Both	1993-05	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
Spring	Both	1993-95	**32-1615**	1.968 Free Length. Conical
Keeper	Both	1993-05	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	1993-05	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1995-05	**38-111-45**	Viton. Top Hat. Height 0.804
	Both	1993-05	**38-46-45**	Viton. Top Hat. Height 0.646
	Both	1993-95	**38-843-45**	Viton. Top Hat (Early)
Retainer	Both	1996-05	**55-6194**	Chrome Moly. 0.890 O.D. 7mm Stem
Expansion Plug Kit		1993-05	**97-122**	Steel Kit.
		1993-05	**97-122B**	Brass Kit.
LINE 83	289 C.I. (4.7L) OHV 16V Vin C			1963-68 V8 BORE - 4.00"/101.6mm
Valve	Exh	1966-68	**10-1000**	1.451 Head Dia. Exc. Special 4BC Taxi & Police, 0.360 Tip To Groove.
	Exh	1966-68	**10-1000+15**	1.451 Head Dia. Exc. Special 4BC Taxi & Police, 0.360 Tip To Groove.
	Exh	1963-65	**10-742**	1.450 Head Dia. 0.3420 Stem. 4.863 OAL. 0.2398 Tip To Groove. Exc. 4BC Taxi, Police
	Exh	1963-65	**10-742+15**	1.450 Head Dia. 0.3570 Stem. 4.863 OAL. 0.2398 Tip To Groove. Exc. 4BC Taxi, Police
	Exh	1963-65	**10-742+3**	1.450 Head Dia. 0.3450 Stem. 4.863 OAL. 0.2398 Tip To Groove. Exc. 4BC Taxi, Police
	Exh	1963-65	**10-742+30**	1.450 Head Dia. 0.3720 Stem. 4.863 OAL. 0.2398 Tip To Groove. Exc. 4BC Taxi, Police
	Int	1966-68	**10-1001**	1.781 Head Dia. Exc. Special 4BC Taxi & Police, 0.360 Tip To Groove
	Int	1966-68	**10-1001+3**	1.781 Head Dia. Exc. Special 4BC Taxi & Police, 0.360 Tip To Groove
	Int	1964-65	**10-947**	1.781 Head Dia. 0.3420 Stem. Exc. BC Taxi & Police. 0.240 Tip To Groove.
	Int	1964-65	**10-947+15**	1.781 Head Dia. 0.3570 Stem. Exc. BC Taxi & Police. 0.240 Tip To Groove.
Valve Seat Insert	Exh	1963-68	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1963-68	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Int	1963-64	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. To Mid 1964. w/ 1.670 Valve Head Dia. +10 O/S Avail.
	Int	1963-68	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.781 Valve Head Dia.
Guide	Both	1963-68	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1963-68	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1963-66	**32-611**	2.090 Free Length. To L-10 Change 1966.
	Both	1963-67	**32-786-D**	2.047 Free Length. Special
	Both	1967-67	**32-902**	1.970 Free Length. After L14 Change 1967
	Both	1968-68	**32-906**	2.020 Free Length.
Keeper	Both	1963-68	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1963-68	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1963-68	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.
	Both	1963-68	**38-450-15**	Nitrile. Umbrella.
	Both	1963-68	**38-450-25**	Polyacrylic. Umbrella.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 83	289 C.I. (4.7L) OHV 16V Vin C			1963-68 V8	BORE - 4.00"/101.6mm
Valve Stem Seal	Both	1963-68	38-450-45	Viton. Umbrella.	
	Both	1963-68	38-915-25	Polyacrylic. Umbrella.	
	Both	1963-68	38-916-25	Polyacrylic. Umbrella.	
	Both	1963-68	38-925-15	Nitrile. Ring And Band.	
	Both	1963-68	38-925-25	Polyacrylic. Ring And Band.	
Rocker Component	Both	1963-68	40-2886	Rocker Arm. Cast w/ Rails	
Rocker Kit	Both	1963-65	41-2511	Rocker Kit	
	Both	1966-68	41-2610	From 10-65. 1 40-2886, 1 42-1772Gd Ball, 1 42-1786 3/8 Nut, 1 42-1791 5/16 Nut	
Push Rod	Both	1963-68	74-6279	6.804 Length	
Expansion Plug Kit		1963-68	97-17	Steel Kit.	
		1963-68	97-17B	Brass Kit.	
LINE 84	292 C.I. (4.8L) OHV 16V			1955-64 V8	BORE - 3.75"/95.2mm
Valve	Exh	1955-64	10-375	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.	
	Exh	1955-64	10-375+3	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.	
	Exh	1955-64	10-375+30	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.	
	Int	1955-56	10-373	1.780 Head Dia. .0.3421 Stem. 5.110 OAL	
	Int	1955-56	10-373+15	1.780 Head Dia. .0.3571 Stem. 5.110 OAL	
	Int	1955-56	10-373+3	1.780 Head Dia. .0.3451 Stem. 5.110 OAL	
	Int	1955-56	10-373+30	1.780 Head Dia. .0.3721 Stem. 5.110 OAL	
	Int	1960-64	10-376	1.647 Head Dia. 0.3420 Stem. 5.090 OAL	
	Int	1960-64	10-376+30	1.647 Head Dia. 0.3720 Stem.. 5.090 OAL	
	Int	1957-59	10-494	1.925 Head Dia.	
Valve Seat Insert	Exh	1955-64	20-1562-2	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1955-64	20-1562-2N	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1960-64	20-1750-3	1-7/16 I.D. 1-3/4 0,D. 7/32 Depth w/ 1.647 Valve Head.	
	Int	1955-56	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.780 Valve Head Dia.	
	Int	1957-59	20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.	
	Int	1957-59	20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.	
Guide	Both	1955-64	30-9105	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.	
	Exh	1955-64	30-6105	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.	
	Exh	1955-64	30-9604	2.625 OAL. Spiral 0.344 I.D. 30-5604 Plain I.D. Also Avail.	
	Int	1955-64	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1955-64	32-611	2.090 Free Length	
Keeper	Both	1955-64	34-555	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1955-64	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1955-64	38-925-15	Nitrile. Ring And Band.	
	Both	1955-64	38-925-25	Polyacrylic. Ring And Band.	
Expansion Plug Kit		1955-64	97-20	Steel Kit.	
		1955-64	97-20B	Brass Kit.	
LINE 85	300 C.I. (4.9L) OHV 12V			1965-96 L6	BORE - 4.00"/101.6mm
Valve	Exh	1965-86	10-1358	1.560 Head Dia. 4.810 OAL. Exc. 1969-76, For 1977-86 Fits E-F100.	
	Exh	1965-86	10-1358+15	1.560 Head Dia. 4.810 OAL. Exc. 1969-76, For 1977-86 Fits E-F100.	
	Exh	1965-86	10-1358+3	1.560 Head Dia. 4.810 OAL. Exc. 1969-76, For 1977-86 Fits E-F100.	
	Exh	1965-86	10-1358+30	1.560 Head Dia. 4.810 OAL. Exc. 1969-76, For 1977-86 Fits E-F100.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 85	300 C.I. (4.9L) OHV 12V			1965-96 L6	BORE - 4.00"/101.6mm
Valve	Exh	1985-96	**10-1504**	1.560 Head Dia. 4.750 OAL. U-150, E-F150/350 Under 8500 Lbs. GVW.	
	Exh	1985-96	**10-1504+15**	1.560 Head Dia. 4.750 OAL. U-150, E-F150/350 Under 8500 Lbs. GVW.	
	Exh	1985-96	**10-1504+3**	1.560 Head Dia. 4.750 OAL. U-150, E-F150/350 Under 8500 Lbs. GVW.	
	Exh	1969-70	**10-965S**	1.560 Head Dia. 4.810 OAL.	
	Exh	1969-70	**10-965S+15**	1.560 Head Dia. 4.810 OAL.	
	Int	1971-86	**10-1120**	1.780 Head Dia. 4.810 OAL, 1971-74 All, 1985-86 E-F250/350 Over 8500 Lbs. GVW.	
	Int	1971-86	**10-1120+15**	1.780 Head Dia. 4.810 OAL, 1971-74 All, 1985-86 E-F250/350 Over 8500 Lbs. GVW.	
	Int	1971-86	**10-1120+3**	1.780 Head Dia. 4.810 OAL, 1971-74 All, 1985-86 E-F250/350 Over 8500 Lbs. GVW.	
	Int	1971-86	**10-1120+30**	1.780 Head Dia. 4.810 OAL, 1971-74 All, 1985-86 E-F250/350 Over 8500 Lbs. GVW.	
	Int	1985-96	**10-1505**	1.781 Head Dia. 4.750 OAL. U150, E-FI50/350 Under 8500 Lbs. GVW.	
	Int	1985-96	**10-1505+15**	1.781 Head Dia. 4.750 OAL. U150, E-FI50/350 Under 8500 Lbs. GVW.	
	Int	1985-96	**10-1505+3**	1.781 Head Dia. 4.750 OAL. U150, E-FI50/350 Under 8500 Lbs. GVW.	
	Int	1985-96	**10-1505+30**	1.781 Head Dia. 4.750 OAL. U150, E-FI50/350 Under 8500 Lbs. GVW.	
	Int	1965-70	**10-963**	1.781 Head Dia. 4.810 OAL.	
	Int	1965-70	**10-963+15**	1.781 Head Dia. 4.810 OAL.	
	Int	1965-70	**10-963+3**	1.781 Head Dia. 4.810 OAL.	
	Int	1965-70	**10-963+30**	1.781 Head Dia. 4.810 OAL.	
Valve Seat Insert	Exh	1965-86	**20-1687-1**	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth	
	Exh	1965-86	**20-1687-1N**	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth. Nickel	
	Exh	1987-96	**20-1687-5**	1-3/8 I.D. 1-11/16 O.D. 7/32 Depth.	
	Int	1965-96	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both	1965-96	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1965-96	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1965-96	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1985-96	**32-1244**	1.960 Free Length.	
	Both	1965-83	**32-812**	1.875 Free Length. Use w/ Rotator	
	Exh	1984-86	**32-1242**	1.820 Free Length.	
	Exh	1985-96	**32-1245**	1.785 Free Length. Use w/ Rotator	
	Exh	1965-83	**32-807**	1.990 Free Length. Use w/o Rotator	
Keeper	Both	1965-96	**34-555**	1 Square Groove. Heat Treated	
Lifter	Both	1965-96	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1965-96	**38-1054-70**	Teflon And Rubber.	
	Both	1965-96	**38-1065-70**	Teflon And Rubber.	
	Both	1965-96	**38-1066-75**	All Teflon. 11/32 x 0.530	
	Both	1965-96	**38-253-45**	Viton. Umbrella.	
	Both	1965-86	**38-259-35**	Glass Filled Nylon. Umbrella.	
	Both	1965-96	**38-925-25**	Polyacrylic. Ring And Band. Guide O.D. 0.562	
Rocker Component	Both	1985-96	**40-2710**	Rocker Arm. Stamped	
Retainer	Both	1965-96	**55-6179**	Chrome Moly. 1.330 O.D. 11/32 Stem	
Push Rod	Both	1965-86	**74-6306**	10.136 Length	
Expansion Plug Kit		1965-96	**97-16**	Steel Kit.	
		1965-96	**97-16B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 86	300 C.I. (4.9L) OHV 12V LPG Bi-Fuel, FI, Vin Z			1994-96 L6	BORE - 4.00"/101.6mm
Valve	Exh	1994-96	10-1504S	1.560 Head Dia. Stellite.	
	Int	1994-96	10-1792	1.781 Head Dia.	
Valve Seat Insert	Exh	1994-96	20-1687-5N	1-3/8 I.D. 1-11/16 O.D. 7/32 Depth. Nickel	
	Int	1994-96	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh	1994-96	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1994-96	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1994-96	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1994-96	32-1244	1.960 Free Length. Use w/o Rotator	
	Both	1994-96	32-1245	1.785 Free Length. Use w/ Rotator	
	Exh	1994-96	32-1242	1.820 Free Length.	
Keeper	Both	1994-96	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1994-96	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1994-96	38-1065-70	Teflon And Rubber.	
	Both	1994-96	38-1066-75	All Teflon. 11/32 x 0.530	
	Both	1994-96	38-925-15	Nitrile. Ring And Band.	
	Both	1994-96	38-925-25	Polyacrylic. Ring And Band.	
	Both	1994-96	38-938-25	Polyacrylic. Ring And Band.	
	Both	1994-96	38-938-45	Viton. Ring And Band.	
Retainer	Both	1994-96	55-6179	Chrome Moly. 1.330 O.D. 11/32 Stem	
Push Rod	Both	1994-96	74-6306	10.136 Length	
Expansion Plug Kit		1994-96	97-117	Steel Kit.	
		1994-96	97-117B	Brass Kit.	
LINE 87	302 C.I. (5.0L) DOHC 32V Vin 0,5,F,U			2010-25 V8	BORE - 3.63"/92.2mm
Valve	Exh	2011-17	10-13295	1.220 Head Dia. 0.2346 Stem. 3G	
	Exh	2015-17	10-13449	1.252 Head Dia. 0.2346 Stem. 3G	
	Exh	2018-25	10-13488	1.260 Head Dia. OEM #JL3Z6505A	
	Int	2011-17	10-13294	1.457 Head Dia. 0.2356 Stem. 3G	
	Int	2018-25	10-13487	1.484 Head Dia. OEM # JL3Z6507A	
	Int	2015-17	10-13489	1.467 Head Dia.	
Valve Seat Insert	Int	2011-17	21-1500-81	1.300T I.D. 1-1/2 O.D. 0.200 Depth.	
	Exh	2011-17	22-1263-1	1.025T I.D. 1.263 O.D. 0.190 Depth	
Guide	Both	2011-24	30-3166	1.715 OAL. 0.2373 I.D. 0.4395 O.D.	
Spring	Both	2011-14	32-5011	2.075 Free Length. Conical	
	Both	2018-25	32-6717	2.228 Free Length. Conical.	
Keeper	Both	2010-25	34-03722	3 Round Beads. 0.234 Stem	
Lifter	Both	2011-25	36-2314	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2011-17	38-6128-55	Viton. Top Hat.	
	Both	2018-25	38-6514-55	Viton. Top Hat.	
Rocker Component	Both	2011-17	40-2916	Rocker Arm	
Retainer	Both	2011-23	55-7715	Retainer. 0.234 Stem	
LINE 88	302 C.I. (5.0L) OHV 16V			1956-63 V8	BORE - 3.62"/92.0mm
Valve Seat Insert	Int	1956-63	20-2125-1	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.	
	Exh	1956-63	22-1630-1	1.335 I.D. 1.630 O.D. 0.312 Depth.	
	Exh	1956-63	22-1630-1N	1.335 I.D. 1.630 O.D. 0.312 Depth. Nickel	
Guide	Exh	1956-63	30-6119	2.500 OAL 0.4375 Plain I.D. 0.6270 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 88	302 C.I. (5.0L) OHV 16V			1956-63 V8 BORE - 3.62"/92.0mm
Guide	Exh	1956-63	30-9119	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.
	Int	1956-57	30-5606	2.375 OAL. Plain 0.3440 I.D. 0.5020 O.D.
	Int	1956-63	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
Spring	Both	1956-63	32-611	2.090 Free Length
Keeper	Int	1958-63	34-613	1 Groove. Heat Treated
Push Rod	Both	1953-63	74-6080	9.605 Length
LINE 89	302 C.I. (5.0L) OHV 16V Carb., F.I. Vin E,F,N,P,T			1968-01 V8 BORE - 4.00"/101.6mm
Valve	Exh	1968-69	10-1000	1.451 Head Dia. 0.3415 Stem. 4.873 OAL.
	Exh	1968-69	10-1000+15	1.451 Head Dia. 0.3565 Stem. 4.873 OAL.
	Exh	1969-01	10-1135	1.451 Head Dia. 5.070 OAL. Hardened Tip, No Wear Cap Required.
	Exh	1969-01	10-1135+15	1.451 Head Dia. 5.070 OAL. Hardened Tip, No Wear Cap Required.
	Exh	1969-01	10-1135+3	1.451 Head Dia. 5.070 OAL. Hardened Tip, No Wear Cap Required.
	Exh	1969-01	10-1135+30	1.451 Head Dia. 5.070 OAL. Hardened Tip, No Wear Cap Required.
	Exh	1986-91	10-1537	1.451 Head Dia. 4.942 OAL.
	Exh	1986-91	10-1537+15	1.451 Head Dia. 4.942 OAL.
	Exh	1986-91	10-1537+3	1.451 Head Dia. 4.942 OAL.
	Int	1968-69	10-1001	1.781 Head Dia. 0.3415 Stem. 4.873 OAL.
	Int	1968-69	10-1001+3	1.781 Head Dia. 0.3565 Stem. 4.873 OAL.
	Int	1969-78	10-1137	1.781 Head Dia. 5.050 OAL.
	Int	1969-78	10-1137+15	1.781 Head Dia. 5.050 OAL.
	Int	1969-78	10-1137+3	1.781 Head Dia. 5.050 OAL.
	Int	1969-78	10-1137+30	1.781 Head Dia. 5.050 OAL.
	Int	1978-01	10-1328	1.782 Head Dia. 0.3419 Stem. 5.070 OAL
	Int	1978-01	10-1328+15	1.782 Head Dia. 0.3569 Stem. 5.070 OAL
	Int	1978-01	10-1328+3	1.782 Head Dia. 0.3449 Stem. 5.070 OAL
	Int	1978-01	10-1328+30	1.782 Head Dia. 0.3719 Stem. 5.070 OAL
	Int	1986-91	10-1538	1.782 Head Dia. 0.3420 Stem. 4.942 OAL.
	Int	1986-91	10-1538+15	1.782 Head Dia. 0.3570 Stem. 4.942 OAL.
	Int	1986-91	10-1538+3	1.782 Head Dia. 0.3450 Stem. 4.942 OAL.
Valve Seat Insert	Exh	1983-95	20-1500-4	1-7/32T I.D. 1-1/2 O.D. 7/32 Depth, Rec. For Use On Late Model Heads w/ Thin Wall Sections Exc. 1993-95 Mustang Cobra
	Exh	1968-01	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth.
	Exh	1983-95	20-1562-36	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth.
	Int	1968-01	20-1875-1	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth
	Int	1993-96	20-1937-23	1-11/16 I.D. 1-15/16 O.D. 3/16 Depth. Fits Explorer, Mustange Cobra w/ 1.842 Valve Head Dia.
Guide	Both	1999-01	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1969-71	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Both	1968-01	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1969-01	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1968-69	32-902	1.970 Free Length.
	Both	1969-74	32-961-D	2.026 Free Length. Boss Eng.
	Exh	1969-01	32-1086	1.923 Free Length. 0.185 Wire Dia. Use w/ Rotator
	Int	1969-79	32-1149	1.965 Free Length.
	Int	1979-01	32-1175	2.040 Free Length.
Keeper	Both	1968-01	34-555	1 Square Groove. Heat Treated

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 89	302 C.I. (5.0L) OHV 16V Carb., F.I. Vin E,F,N,P,T			1968-01 V8 BORE - 4.00"/101.6mm
Lifter	Both	1992-01	36-2205	Hydraulic Roller
	Both	1968-91	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1986-01	38-108-45	Viton. Metal Clad. 11/32 x 0.502
	Both	1986-01	38-806-55	Viton. Metal Clad 11/32 x 0.562
	Both	1968-86	38-915-25	Polyacrylic. Umbrella.
	Both	1968-01	38-938-25	Polyacrylic. Ring And Band.
	Both	1968-01	38-938-45	Viton. Ring And Band. 11/32 x 0.562.
Rocker Component	Both	1968-78	40-2886	Rocker Arm, Cast w/ Rails Before BE0,001
	Both	1969-71	40-2888	Rocker Arm, Stamped w/ Oil Deflector. Mustang Boss
	Both	1978-01	40-2889	Rocker Arm, Stamped. After BE0,001
Rocker Kit	Both	1978-01	41-2548	1 40-2889, 1 42-1741 Bolt, 1 42-1776 Pivot
	Both	1968-78	41-2610	1 40-2886, 1 42-1772Gd Ball, 1 42-1786 3/8 Nut, 1 42-1791 5/16 Nut
Push Rod	Both	1968-69	74-6279	6.804 Length
	Both	1969-82	74-6281	6.876 Length
	Both	1982-01	74-6366	6.247 Length
	Both	1968-01	74-6458	6.400 Length. Retrofit Hydr. Rollers
Expansion Plug Kit		1968-01	97-17	Steel Kit.
		1968-01	97-17B	Brass Kit.
LINE 90	312 C.I. (5.1L) OHV 16V			1956-60 V8 BORE - 3.80"/96.5mm
Valve	Exh	1956-60	10-375	1.510 Head Dia. 0.3418 Stem. 5.089 OAL.
	Exh	1956-60	10-375+3	1.510 Head Dia. 0.3448 Stem. 5.089 OAL.
	Exh	1956-60	10-375+30	1.510 Head Dia. 0.3718 Stem. 5.089 OAL.
	Int	1956-56	10-373	1.780 Head Dia. .0.3421 Stem. 5.110 OAL
	Int	1956-56	10-373+15	1.780 Head Dia. .0.3571 Stem. 5.110 OAL
	Int	1956-56	10-373+3	1.780 Head Dia. .0.3451 Stem. 5.110 OAL
	Int	1956-56	10-373+30	1.780 Head Dia. .0.3721 Stem. 5.110 OAL
	Int	1960-60	10-376	1.647 Head Dia. 0.3420 Stem. 5.090 OAL
	Int	1960-60	10-376+30	1.647 Head Dia. 0.3720 Stem.. 5.090 OAL
	Int	1957-59	10-494	1.925 Head Dia.
Valve Seat Insert	Exh	1956-60	20-1562-2	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1956-60	20-1562-2N	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Int	1960-60	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.647 Valve Head. +10 O/S Avail.
	Int	1956-56	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.870 Valve Head Dia.
	Int	1957-59	20-2000-1	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1957-59	20-2000-1N	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1956-60	30-6105	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Exh	1956-60	30-9105	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
	Int	1956-60	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1956-60	32-611	2.090 Free Length
Keeper	Both	1956-60	34-555	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1956-60	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.
	Both	1956-60	38-810-45	Viton. Ring And Band.
	Both	1956-60	38-925-15	Nitrile. Ring And Band.
	Both	1956-60	38-925-25	Polyacrylic. Ring And Band.
Expansion Plug Kit		1956-60	97-20	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 90	**312 C.I. (5.1L) OHV 16V**			**1956-60 V8**	**BORE - 3.80"/96.5mm**
Expansion Plug Kit		1956-60	**97-20B**	Brass Kit.	
LINE 91	**315 C.I. (5.2L) DOHC 32V Vin J, Z S/C**			**2015-25 V8**	**BORE - 3.66"/91.0mm**
Keeper	Both	2015-25	**34-03722**	3 Round Beads. 0.234 Stem	
Lifter	Both	2015-25	**36-2314**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2020-25	**38-6514-55**	Viton. Top Hat. 0.236 Stem	
Retainer	Both	2015-25	**55-7715**	Retainer. 0.234 Stem	
LINE 92	**318 C.I. (5.2L) OHV 16V**			**1952-54 V8**	**BORE - 3.80"/96.5mm**
Valve	Int	1952-54	**10-373**	1.780 Head Dia. .0.3421 Stem. 5.110 OAL	
	Int	1952-54	**10-373+15**	1.780 Head Dia. .0.3571 Stem. 5.110 OAL	
	Int	1952-54	**10-373+3**	1.780 Head Dia. .0.3451 Stem. 5.110 OAL	
	Int	1952-54	**10-373+30**	1.780 Head Dia. .0.3721 Stem. 5.110 OAL	
Valve Seat Insert	Exh	1952-54	**20-1625-4**	1-5/16 I.D. 1-5/8 O.D. 7/32 Depth	
Guide	Both	1952-54	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both	1952-54	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1952-54	**32-611**	2.090 Free Length	
Keeper	Both	1952-54	**34-555**	1 Square Groove. Heat Treated	
Lifter	Both	1952-54	**36-2083**	Hydraulic	
Valve Stem Seal	Both	1952-54	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1952-54	**38-240-25**	Polyacrylic. O-Ring.	
Push Rod	Both	1952-54	**74-6080**	9.605 Length	
LINE 93	**330 C.I. (5.4L) OHV 16V Medium Duty**			**1964-77 V8**	**BORE - 3.88"/98.4mm**
Valve	Exh	1964-77	**10-1332**	1.508 Head Dia. 0.3704 Stem. 5.373 OAL.	
	Exh	1964-77	**10-1332+15**	1.508 Head Dia. 0.3854 Stem. 5.373 OAL.	
	Exh	1964-77	**10-1332+3**	1.508 Head Dia. 0.3734 Stem. 5.373 OAL.	
	Int	1964-77	**10-949**	1.753 Head Dia. 0.3715 Stem. 5.393 OAL	
	Int	1964-77	**10-949+15**	1.753 Head Dia. 0.3865 Stem. 5.393 OAL	
Valve Seat Insert	Exh	1964-77	**20-1687-4**	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter.	
	Int	1964-77	**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Use w/ 1-7/8 Cutter.	
	Exh	1964-77	**22-1630-1**	1.335 I.D. 1.630 O.D. 0.312 Depth. OEM # C4TZ-6057A & DITZ-6057A	
	Int	1964-77	**22-1815-1**	1.595 I.D. 1.815 O.D. 1/4 Depth, OEM # C8TZ-6057A	
Guide	Exh	1976-77	**30-7298**	2.375 OAL 0.3730 Plain I.D. 0.5020 O.D.	
	Exh	1964-77	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.	
	Int	1964-77	**30-9109**	2.500 OAL. Spiral 0.374 I.D. 30-6109 Plain I.D. Also Avail.	
Spring	Both	1964-77	**32-1016**	1.960 Free Length.	
	Both	1964-77	**32-677-D**	2.260 Free Length. w/ Damper	
Keeper	Both	1964-77	**34-613**	1 Groove. Heat Treated	
Lifter	Both	1964-77	**36-2083**	Hydraulic	
Valve Stem Seal	Both	1964-77	**38-1091-75**	All Teflon. 3/8 x 0.500	
	Both	1964-77	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.	
	Both	1964-77	**38-921-25**	Polyacrylic. 2-Ring.	
Rocker Component	Both	1964-77	**40-2859**	Rocker Arm. Cast	
	Both	1964-77	**42-2641**	Rocker Shaft. 2 Required. w/ Hyd. Lifter	
Expansion Plug Kit		1964-77	**97-19**	Steel Kit.	
		1964-77	**97-19B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 94	330 C.I. (5.4L) OHV 16V Heavy Duty			1964-79 V8 BORE - 3.88"/98.4mm
Valve	Exh	1964-79	**10-917**	1.505 Head Dia. 0.4343 Stem. Non-Sodium Requires Addl. 0.002 Reaming Of Guide.
	Exh	1964-79	**10-917+15**	1.505 Head Dia. 0.4493 Stem. Non-Sodium
	Exh	1964-79	**10-917+3**	1.505 Head Dia. 0.4373 Stem. Non-Sodium
	Exh	1964-79	**10-917+30**	1.505 Head Dia. 0.4643 Stem. Non-Sodium
	Int	1964-77	**10-1057**	1.753 Head Dia. 0.3714 Stem. To S/N 025,001.
	Int	1964-77	**10-1057+15**	1.753 Head Dia. 0.3864 Stem. To S/N 025,001.
	Int	1964-77	**10-1057+3**	1.753 Head Dia. 0.3744 Stem. To S/N 025,001.
	Int	1964-77	**10-1057+30**	1.753 Head Dia. 0.4014 Stem. To S/N 025,001.
	Int	1964-77	**10-1057S**	1.753 Head Dia. 0.3714 Stem. To S/N 025,001. Stellite.
Valve Seat Insert	Exh	1964-79	**20-1687-4N**	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter. Nickel
	Int	1964-69	**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Use w/ 1-7/8 Cutter.
	Exh	1964-79	**22-1630-1N**	1.335 I.D. 1.630 O.D. 0.312 Depth, w/ 1.505 Valve Head Dia.
	Int	1964-78	**22-1815-1**	1.595 I.D. 1.815 O.D. 1/4 Depth. w/ 1.753 Valve Head Dia.
Guide	Exh	1971-79	**30-6119**	2.500 OAL 0.4375 Plain I.D. 0.6270 O.D.
	Exh	1964-79	**30-9119**	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.
	Int	1967-79	**30-6109**	2.250 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Int	1964-79	**30-9109**	2.500 OAL. Spiral 0.374 I.D. 30-6109 Plain I.D. Also Avail.
Spring	Both	1964-79	**32-1016**	1.960 Free Length.
	Both	1964-79	**32-798**	2.000 Free Length.
Keeper	Both	1964-79	**34-613**	1 Groove. Heat Treated
Lifter	Both	1964-79	**36-2083**	Hydraulic
Valve Stem Seal	Int	1964-79	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
Rocker Component	Both	1964-79	**40-2859**	Rocker Arm. Cast
	Both	1964-79	**42-2641**	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Expansion Plug Kit		1964-79	**97-19**	Steel Kit.
		1964-79	**97-19B**	Brass Kit.
LINE 95	330 C.I. (5.4L) SOHC 16V Vin 3,L,M,W,Z (Gas, CNG)			1997-16 V8 BORE - 3.55"/90.0mm
Valve	Exh	1997-01	**10-1698**	1.339 Head Dia. 0.2737 Stem. 4.622 OAL
	Exh	1997-01	**10-1698+15**	1.339 Head Dia. 0.2887 Stem. 4.622 OAL
	Exh	1997-01	**10-1698S**	1.339 Head Dia. Stellite For CNG
	Exh	2000-16	**10-1925**	1.418 Head Dia. 4.681 Length. Exc. CNG & LPG
	Exh	2000-16	**10-1925S**	1.418 Head Dia. 4.681 Length. CNG, LPG. Stellite
	Int	1997-01	**10-1699**	1.752 Head Dia. 0.275 Stem. 4.622 OAL
	Int	1997-01	**10-1699+15**	1.752 Head Dia. 0.290 Stem. 4.622 OAL
	Int	1997-01	**10-1699S**	1.752 Head Dia. Stellite For CNG
	Int	2000-16	**10-1924**	1.752 Head Dia. 4.752 Length. Exc. CNG & LPG
	Int	2000-16	**10-1924S**	1.752 Head Dia. 0.2750 Stem 4.752 OAL. CNG,LPG. Stellite
Valve Seat Insert	Exh	1997-99	**21-1375-61N**	1.130T I.D. 1-3/8 O.D. 0.304 Depth. Nickel. Natl. Gas
	Exh	2000-16	**21-1500-50**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. Machine to Depth. Exc. CNG and LPG
	Exh	2000-16	**21-1500-50N**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. Nickel
	Int	1997-16	**21-1875-56**	1.600T I.D. 1-7/8 O.D. 0.252 Depth. Exc. Natl. Gas
	Int	1997-16	**21-1875-56N**	1.600T I.D. 1-7/8 O.D. 0.252 Depth. Natl. Gas
Guide	Both	1997-16	**30-4207**	2.000 OAL 0.2765 I.D. 0.5020 O.D.
	Both	1997-16	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 95	**330 C.I. (5.4L) SOHC 16V Vin 3,L,M,W,Z (Gas, CNG)**			**1997-16 V8 BORE - 3.55"/90.0mm**
Spring	Both	1997-99	**32-1615**	1.968 Free Length.
	Both	2000-16	**32-2487**	2.101 Free Length.
Keeper	Both	1997-16	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	1997-16	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1997-16	**38-111-45**	Viton. Top Hat.
Rocker Component	Both	1997-16	**40-2929**	Rocker Arm
Retainer	Both	2000-16	**55-6194**	Chrome Moly. 0.890 O.D. 7mm Stem
LINE 96	**330 C.I. (5.4L) SOHC 24V Triton Vin 5,V Gas/Flex**			**2004-14 V8 BORE - 3.55"/90.2mm**
Valve	Exh	2004-14	**10-2119**	1.476 Head Dia. Bi-Metallic. 1V per Cyl. Flex
	Exh	2004-14	**10-2265**	1.476 Head Dia. 1V per Cyl. F150 Unleaded Fuel Only
	Int	2004-14	**10-2118**	1.331 Head Dia. 2V per Cyl.
	Int	2004-14	**10-2118S**	1.331 Head Dia. 2V per Cyl. Stellite
Valve Seat Insert	Exh	2004-14	**21-1500-73**	1.230 I.D. 1-1/2 0,D. 0.278 Depth
	Exh	2004-14	**21-1500-73N**	1.230 I.D. 1-1/2 0,D. 0.278 Depth. Nickel, non-Magnetic Alloy.
	Int	2004-14	**21-1375-50**	1.109T I.D. 1-3/8 O.D. 0.255 Depth. Ser. 1-4
	Int	2004-14	**21-1375-50N**	1.109T I.D. 1-3/8 O.D. 0.255 Depth. Ser. 1-4 Nickel.
	Exh	2004-14	**22-1501-1**	1.279 I.D. 1.500 O.D. 0.275 Depth
	Int	2004-14	**22-1345-1**	1.165 I.D. 1.345 O.D. 0.246 Depth.
Guide	Both	2004-14	**30-3047**	1.725 OAL. 0.436 O.D. 0.2371 I.D.
Spring	Both	2004-14	**32-04029**	2.174 Free Length.
Keeper	Both	2004-14	**34-03722**	3 Round Beads. 0.234 Stem
Lifter	Both	2004-14	**36-2305**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2004-14	**38-905-45**	Viton. Top Hat.
Rocker Component	Both	2004-14	**40-2930**	Cam Follower
LINE 97	**330 C.I. (5.4L) DOHC 32V Vin A,R,S**			**1999-12 V8 BORE - 3.55"/90.2mm**
Valve	Exh	1999-04	**10-1708**	1.181 Head Dia. 0.274 Stem
	Int	1999-04	**10-1709**	1.456 Head Dia. 0.275 Stem
Valve Seat Insert	Exh	1999-04	**21-1250-61**	0.976 I.D. 1-1/4 O.D. 0.180 Depth
Guide	Both	1999-12	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
Keeper	Both	1999-12	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	1999-04	**36-2271**	Hydraulic Lash Adjuster
	Both	2005-12	**36-7005**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1999-09	**38-111-45**	Viton. Top Hat. 0.275 Stem Dia.
	Both	1999-12	**38-46-45**	Viton. Top Hat. Height 0.646
Expansion Plug Kit		1999-04	**97-122**	Steel Kit.
		1999-04	**97-122B**	Brass Kit.
LINE 98	**332 C.I. (5.4L) OHV 16V**			**1956-63 V8 BORE - 3.80"/96.5mm**
Valve Seat Insert	Int	1956-63	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.
	Exh	1956-63	**22-1630-1**	1.335 I.D. 1.630 O.D. 0.312 Depth.
	Exh	1956-63	**22-1630-1N**	1.335 I.D. 1.630 O.D. 0.312 Depth. Nickel
Guide	Exh	1956-63	**30-9119**	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.
	Int	1956-63	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1956-63	**32-611**	2.090 Free Length
Keeper	Both	1956-63	**34-555**	1 Square Groove. Heat Treated

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 98	332 C.I. (5.4L) OHV 16V			1956-63 V8	BORE - 3.80"/96.5mm
Lifter	Both	1956-63	36-2089	Hydraulic	
Push Rod	Both	1956-63	74-6080	9.605 Length	
Expansion Plug Kit		1956-63	97-19	Steel Kit.	
		1956-63	97-19B	Brass Kit.	
LINE 99	332 C.I. (5.4L) OHV 16V			1958-59 V8	BORE - 4.00"/101.6mm
Valve	Exh	1958-59	10-1242	1.559 Head Dia. 0.3715 Stem. 5.436 OAL	
	Exh	1958-59	10-1242+15	1.559 Head Dia. 0.3865 Stem. 5.436 OAL	
	Exh	1958-59	10-1242+3	1.559 Head Dia. 0.3745 Stem. 5.436 OAL	
	Exh	1958-59	10-1242+30	1.559 Head Dia. 0.4015 Stem. 5.436 OAL	
Valve Seat Insert	Exh	1958-59	20-1687-1	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth. -N Suffix, Nickel Also Avail.	
	Int	1958-59	20-2062-1	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.	
Guide	Both	1958-59	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.	
Spring	Both	1958-59	32-677-D	2.260 Free Length. w/ Damper	
Keeper	Both	1958-59	34-613	1 Groove. Heat Treated	
Lifter	Both	1958-59	36-2083	Hydraulic	
Valve Stem Seal	Both	1958-59	38-1091-75	All Teflon. 3/8 x 0.500	
	Both	1958-59	38-905-25	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.	
Rocker Component	Both	1958-59	40-2859	Rocker Arm. Cast	
Push Rod	Both	1958-59	74-5312	9.590 Length	
Expansion Plug Kit		1958-59	97-19	Steel Kit.	
LINE 100	335 C.I. (5.5L) 16V (Non-USA)			1969-95 V8	BORE - 3.90"/99.1mm
Valve	Exh	1969-91	10-09538	1.410 Head Dia.	
	Exh	1969-91	10-09538+15	1.410 Head Dia.	
	Int	1969-91	10-09536	1.780 Head Dia.	
LINE 101	351 C.I. (5.8L) OHV 16V Lightning Vin R			1993-95 V8	BORE - 4.00"/101.6mm
Valve Seat Insert	Exh	1993-95	20-1625-33	1-3/8 I.D. 1-5/8 O.D. 3/16 Depth	
	Int	1993-95	20-1937-23	1-11/16 I.D. 1-15/16 O.D. 3/16 Depth.	
Guide	Both	1993-95	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both	1993-95	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Keeper	Both	1993-95	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1993-95	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1993-95	38-938-25	Polyacrylic. Ring And Band.	
	Both	1993-95	38-938-45	Viton. Ring And Band.	
	Int	1993-95	38-951-25	Polyacrylic. 2-Ring.	
Retainer	Both	1993-95	55-6302	Chrome Moly. 1.400 O.D. 11/32 Stem	
LINE 102	351 C.I. (5.8L) OHV 16V Windsor Vin G, H, M			1969-97 V8	BORE - 4.00"/101.6mm
Valve	Exh	1978-97	10-1135	1.451 Head Dia. Hardened Wafer Tip - Does Not Require Wear Cap.	
	Exh	1978-97	10-1135+15	1.451 Head Dia. Hardened Wafer Tip - Does Not Require Wear Cap.	
	Exh	1978-97	10-1135+3	1.451 Head Dia. Hardened Wafer Tip - Does Not Require Wear Cap.	
	Exh	1978-97	10-1135+30	1.451 Head Dia. Hardened Wafer Tip - Does Not Require Wear Cap.	
	Exh	1969-74	10-1237	1.541 Head Dia. 0.3415 Stem. 5.070 OAL.	
	Exh	1969-74	10-1237+15	1.541 Head Dia. 0.3565 Stem. 5.070 OAL.	
	Exh	1969-74	10-1237+3	1.541 Head Dia. 0.3445 Stem. 5.070 OAL.	
	Exh	1969-74	10-1237+30	1.541 Head Dia. 0.3715 Stem. 5.070 OAL.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 102	351 C.I. (5.8L) OHV 16V Windsor Vin G, H, M			1969-97 V8	BORE - 4.00"/101.6mm
Valve	Exh	1975-78	**10-1327**	1.460 Head Dia. 0.3414 Stem. 5.070 OAL. 1975-76 All, 1977-78 w/ Cast Iron Rocker Arms w/o Rotators	
	Exh	1975-78	**10-1327+15**	1.460 Head Dia. 0.3564 Stem. 5.070 OAL	
	Int	1969-74	**10-1238**	1.846 Head Dia. 0.3417 Stem. 5.079 OAL	
	Int	1969-74	**10-1238+15**	1.846 Head Dia. 0.3567 Stem. 5.079 OAL	
	Int	1969-74	**10-1238+3**	1.846 Head Dia. 0.3447 Stem. 5.079 OAL	
	Int	1969-74	**10-1238+30**	1.846 Head Dia. 0.3717 Stem. 5.079 OAL	
	Int	1975-97	**10-1328**	1.782 Head Dia. 0.3419 Stem. 5.070 OAL	
	Int	1975-97	**10-1328+15**	1.782 Head Dia. 0.3569 Stem. 5.070 OAL	
	Int	1975-97	**10-1328+3**	1.782 Head Dia. 0.3449 Stem. 5.070 OAL	
	Int	1975-97	**10-1328+30**	1.782 Head Dia. 0.3719 Stem. 5.070 OAL	
Valve Seat Insert	Exh	1975-97	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth.	
	Exh	1975-97	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel.	
	Exh	1969-74	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. w/ 1.541 Valve Head. +5, 10, 15, 20, 30 O/S Avail.	
	Int	1975-97	**20-1875-6**	1-5/8 I.D. 1-7/8 O.D. 7/32 Depth. w/ 1.782 Valve Head Dia.	
	Int	1969-74	**20-1937-1**	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth. w/ 1.842 Valve Head Dia.	
Guide	Both	1969-97	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both	1969-97	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1970-79	**32-1011**	2.060 Free Length. Exc. 1977-79 Exh.	
	Exh	1975-97	**32-1086**	1.923 Free Length. Exc. H.O. Eng.	
	Int	1975-97	**32-1175**	2.040 Free Length. Exc. H.O. Eng.	
Keeper	Both	1969-97	**34-555**	1 Square Groove. Heat Treated	
Lifter	Both	1994-97	**36-2205**	Hydraulic Roller. Exc. '93-96 Lightning	
	Both	1969-96	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1969-97	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1969-91	**38-259-35**	Glass Filled Nylon. Umbrella.	
	Both	1969-97	**38-916-25**	Polyacrylic. Umbrella.	
	Both	1969-97	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1969-97	**38-938-45**	Viton. Ring And Band.	
	Both	1969-91	**38-951-25**	Polyacrylic. 2-Ring.	
Rocker Component	Both	1969-78	**40-2886**	Rocker Arm, Cast w/ Rails. Before BA0,001	
	Both	1978-97	**40-2889**	Rocker Arm, Stamped. After BE0,001	
Rocker Kit	Both	1978-95	**41-2548**	1 40-2889, 1 42-1741 Bolt, 1 42-1776 Pivot	
	Both	1969-78	**41-2610**	1 40-2886, 1 42-1772Gd Ball, 1 42-1786 3/8 Nut, 1 42-1791 5/16 Nut	
Push Rod	Both	1994-97	**74-6446**	7.519 Length	
Expansion Plug Kit		1969-97	**97-17**	Steel Kit.	
		1969-97	**97-17B**	Brass Kit.	
LINE 103	351 C.I. (5.8L) OHV 16V Cleveland Vin Q			1970-74 V8	BORE - 4.00"/101.6mm
Valve	Exh	1970-74	**10-1169**	1.655 Head Dia.	
	Exh	1970-74	**10-1169+15**	1.655 Head Dia. 0.357 Stem Dia. 4G.	
	Exh	1970-72	**10-1171**	1.709 Head Dia. 4BC.	
	Int	1970-74	**10-1170**	2.041 Head Dia. 0.3419 Stem. 5.231 OAL. 4G.	
	Int	1970-74	**10-1170+15**	2.041 Head Dia. 0.3569 Stem. 5.231 OAL. 4G.	
	Int	1970-74	**10-1170+3**	2.041 Head Dia. 0.3449 Stem. 5.231 OAL. 4G.	
	Int	1970-74	**10-1170+30**	2.041 Head Dia. 0.3719 Stem. 5.231 OAL. 4G.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 103	351 C.I. (5.8L) OHV 16V Cleveland Vin Q			1970-74 V8 BORE - 4.00"/101.6mm
Valve	Int	1970-72	**10-1172**	2.190 Head Dia. 4BC.
Valve Seat Insert	Exh	1970-74	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1970-72	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Exh	1970-72	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Int	1970-74	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth. w/ 2.041 Valve Head
	Int	1970-72	**20-2250-2**	1-7/8 I.D. 2-1/4 O.D. 9/32 Depth. w/ 2.190 Valve Head
Guide	Both	1970-74	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1970-74	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1970-74	**32-907-D**	2.120 Free Length. w/ 4BC
	Both	1970-74	**32-961-D**	2.026 Free Length. Boss Eng.
	Both	1970-74	**32-991**	2.068 Free Length. w/ 2BC
Keeper	Both	1970-74	**34-620**	Heat Treated. 4G
Lifter	Both	1970-74	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1970-74	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1970-74	**38-1065-70**	Teflon And Rubber.
	Both	1970-74	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1970-74	**38-450-15**	Nitrile. Umbrella.
	Both	1970-74	**38-450-25**	Polyacrylic. Umbrella.
	Both	1970-74	**38-450-45**	Viton. Umbrella.
	Both	1970-75	**38-916-25**	Polyacrylic. Umbrella.
	Both	1970-74	**38-951-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1970-74	**40-2886**	Rocker Arm, Cast w/ Rails
	Both	1970-74	**40-2888**	Rocker Arm, Stamped w/ Oil Deflector
Rocker Kit	Both	1972-74	**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
Expansion Plug Kit		1970-74	**97-18**	Steel Kit.
		1970-74	**97-18B**	Brass Kit.
LINE 104	351 C.I. (5.8L) OHV 16V Modified			1975-81 V8 BORE - 4.00"/101.6mm
Valve	Exh	1975-77	**10-1169**	1.655 Head Dia. 0.342 Stem Dia. 4G.
	Exh	1975-77	**10-1169+15**	1.655 Head Dia. 0.357 Stem Dia. 4G.
	Exh	1978-81	**10-1367**	1.655 Head Dia. 0.3414 Stem Dia. 1 Groove
	Int	1975-78	**10-1170**	2.041 Head Dia. 0.3419 Stem. 5.231 OAL. 4G.
	Int	1975-78	**10-1170+15**	2.041 Head Dia. 0.3569 Stem. 5.231 OAL. 4G.
	Int	1975-78	**10-1170+3**	2.041 Head Dia. 0.3449 Stem. 5.231 OAL. 4G.
	Int	1975-78	**10-1170+30**	2.041 Head Dia. 0.3719 Stem. 5.231 OAL. 4G.
	Int	1979-81	**10-1380**	2.041 Head Dia. 1 Groove.
	Int	1978-81	**10-1380+15**	2.041 Head Dia. 1 Groove.
	Int	1978-81	**10-1380+3**	2.041 Head Dia. 1 Groove.
Valve Seat Insert	Exh	1975-81	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1975-81	**20-1750-2N**	1 1/2 I.D.,1 3/4 O.D. 7/32 Depth. Nickel. +20 O/S Avail.
	Int	1975-81	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1975-81	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1975-81	**32-991**	2.068 Free Length. Exc. 1977-79 Exh.
	Exh	1978-81	**32-1149**	1.965 Free Length.
Keeper	Both	1978-81	**34-555**	1 Square Groove. Heat Treated
	Both	1975-79	**34-620**	Heat Treated. 4G

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 104	**351 C.I. (5.8L) OHV 16V Modified**			**1975-81 V8 BORE - 4.00"/101.6mm**
Lifter	Both	1975-81	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1975-81	**38-1054-70**	Teflon And Rubber.
	Both	1975-81	**38-916-25**	Polyacrylic. Umbrella.
	Both	1975-81	**38-951-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1975-81	**40-2888**	Rocker Arm, Stamped w/ Oil Deflector
Rocker Kit	Both	1975-81	**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
Push Rod	Both	1975-79	**74-6310**	9.500 Length. Exc. Boss Special
Expansion Plug Kit		1975-81	**97-18**	Steel Kit.
		1975-81	**97-18B**	Brass Kit
LINE 105	**352 C.I. (5.8L) OHV 16V**			**1958-67 V8 BORE - 4.00"/101.6mm**
Valve	Exh	1958-67	**10-1242**	1.559 Head Dia. 0.3715 Stem. 5.436 OAL
	Exh	1958-67	**10-1242+15**	1.559 Head Dia. 0.3865 Stem. 5.436 OAL
	Exh	1958-67	**10-1242+3**	1.559 Head Dia. 0.3745 Stem. 5.436 OAL
	Exh	1958-67	**10-1242+30**	1.559 Head Dia. 0.4015 Stem. 5.436 OAL
	Int	1961-67	**10-637**	2.027 Head Dia. .3716 Stem. 5.400 OAL.
	Int	1961-67	**10-637+15**	2.027 Head Dia. .3866 Stem. 5.400 OAL.
	Int	1961-67	**10-637+3**	2.027 Head Dia. .3746 Stem. 5.400 OAL.
	Int	1961-67	**10-637+30**	2.027 Head Dia. .4016 Stem. 5.400 OAL.
	Int	1961-67	**10-637+5**	2.027 Head Dia. .3766 Stem. 5.400 OAL.
Valve Seat Insert	Exh	1958-67	**20-1687-1**	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth
	Int	1958-67	**20-2062-1**	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.
Guide	Both	1958-67	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Exh	1958-59	**30-9109**	2.500 OAL. Spiral 0.374 I.D. 30-6109 Plain I.D. Also Avail.
	Exh	1958-67	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
Spring	Both	1958-67	**32-677-D**	2.260 Free Length. w/ Damper
Keeper	Both	1958-67	**34-613**	1 Groove. Heat Treated
Lifter	Both	1958-67	**36-2083**	Hydraulic
Valve Stem Seal	Both	1958-67	**38-1091-75**	All Teflon. 3/8 x 0.500
	Both	1958-67	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1958-66	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1958-67	**40-2859**	Rocker Arm. Cast
	Both	1958-67	**42-2641**	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Retainer	Both	1958-66	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
Push Rod	Both	1958-67	**74-5311**	9.620 Length
	Both	1958-66	**74-5312**	9.590 Length
Expansion Plug Kit		1958-67	**97-19**	Steel Kit.
		1958-67	**97-19B**	Brass Kit.
LINE 106	**355 C.I. (5.8L) DOHC 32V Vin Z S/C**			**2013-14 V8 BORE - 3.68"/93.5mm**
Guide	Both	2013-14	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
Keeper	Both	2013-14	**34-281**	3 Round Beads. 0.275 Stem Dia.
Valve Stem Seal	Both	2013-14	**38-46-45**	Viton. Top Hat. Height 0.646
LINE 107	**360 C.I. (5.9L) OHV 16V Vin Y**			**1968-76 V8 BORE - 4.05"/102.9mm**
Valve	Exh	1968-76	**10-1242**	1.559 Head Dia. 0.3715 Stem. 5.436 OAL
	Exh	1968-76	**10-1242+15**	1.559 Head Dia. 0.3865 Stem. 5.436 OAL

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 107	360 C.I. (5.9L) OHV 16V Vin Y			1968-76 V8 BORE - 4.05"/102.9mm
Valve	Exh	1968-76	**10-1242+3**	1.559 Head Dia. 0.3745 Stem. 5.436 OAL
	Exh	1968-76	**10-1242+30**	1.559 Head Dia. 0.4015 Stem. 5.436 OAL
	Int	1968-76	**10-637**	2.027 Head Dia. .3716 Stem. 5.400 OAL.
	Int	1968-76	**10-637+15**	2.027 Head Dia. .3866 Stem. 5.400 OAL.
	Int	1968-76	**10-637+3**	2.027 Head Dia. .3746 Stem. 5.400 OAL.
	Int	1968-76	**10-637+30**	2.027 Head Dia. .4016 Stem. 5.400 OAL.
	Int	1968-76	**10-637+5**	2.027 Head Dia. .3766 Stem. 5.400 OAL.
Valve Seat Insert	Exh	1968-76	**20-1687-1**	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth
	Int	1968-76	**20-2062-1**	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.
Guide	Exh	1968-76	**30-7298**	2.375 OAL. 0.373 Plain I.D. 0.502 O.D.
	Exh	1968-76	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
	Int	1968-76	**30-6108**	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Int	1968-76	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1968-76	**32-1016**	1.960 Free Length.
	Both	1968-76	**32-909-D**	2.120 Free Length. Exc. 1973-76 F100 Exh. w/ Damper
	Exh	1972-76	**32-798**	2.000 Free Length.
Keeper	Both	1968-76	**34-613**	1 Groove. Heat Treated
Lifter	Both	1968-76	**36-2083**	Hydraulic
Valve Stem Seal	Both	1968-76	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1968-76	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1968-76	**40-2859**	Rocker Arm. Cast
	Both	1968-76	**42-2641**	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Push Rod	Both	1968-76	**74-5312**	9.590 Length
Expansion Plug Kit		1968-76	**97-19**	Steel Kit.
		1968-76	**97-19B**	Brass Kit.
LINE 108	361 C.I. (5.9L) OHV 16V			1964-78 V8 BORE - 4.05"/102.9mm
Valve	Exh	1964-78	**10-917**	1.505 Head Dia. 0.4343 Stem. Non-Sodium Requires Addl. 0.002 Reaming Of Guide.
	Exh	1964-78	**10-917+15**	1.505 Head Dia. 0.4493 Stem. Non-Sodium
	Exh	1964-78	**10-917+3**	1.505 Head Dia. 0.4373 Stem. Non-Sodium
	Exh	1964-78	**10-917+30**	1.505 Head Dia. 0.4643 Stem. Non-Sodium
	Int	1964-77	**10-1057**	1.753 Head Dia. 0.3714 Stem. To S/N 025,001.
	Int	1964-77	**10-1057+15**	1.753 Head Dia. 0.3864 Stem. To S/N 025,001.
	Int	1964-77	**10-1057+3**	1.753 Head Dia. 0.3744 Stem. To S/N 025,001.
	Int	1964-77	**10-1057+30**	1.753 Head Dia. 0.4014 Stem. To S/N 025,001.
	Int	1964-77	**10-1057S**	1.753 Head Dia. To S/N 025,001, 0.473 Tip To Groove Length. Stellite.
	Int	1977-78	**10-1349S**	1.753 Head Dia. Exc. F600 Rental, From S/N 025,001 0.303 Tip To Groove
Valve Seat Insert	Exh	1964-78	**20-1687-4**	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter.
	Exh	1964-78	**20-1687-4N**	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter. Nickel
	Int	1964-78	**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Use w/ 1-7/8 Cutter.
	Exh	1964-78	**22-1630-1**	1.335 I.D. 1.630 O.D. 0.312 Depth. Replaces OEM # C4TZ-6057-A & D1TZ-6057-A.
	Exh	1964-78	**22-1630-1N**	1.335 I.D. 1.630 O.D. 0.312 Depth. Nickel LPG
	Int	1964-78	**22-1815-1**	1.595 I.D. 1.815 O.D. 1/4 Depth, OEM # C8TZ-6057A
Guide	Exh	1964-78	**30-9119**	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
see online catalog for latest appl. info.				
LINE 108	361 C.I. (5.9L) OHV 16V			1964-78 V8 BORE - 4.05"/102.9mm
Guide	Int	1964-78	30-9109	2.500 OAL. Spiral 0.374 I.D. 30-6109 Plain I.D. Also Avail.
Spring	Both	1964-78	32-1016	1.960 Free Length.
	Both	1964-78	32-798	2.000 Free Length.
	Both	1964-78	32-909-D	2.120 Free Length.
Keeper	Both	1964-78	34-613	1 Groove. Heat Treated
Lifter	Both	1964-78	36-2083	Hydraulic
Valve Stem Seal	Both	1964-78	38-240-25	Polyacrylic. O-Ring.
Rocker Component	Both	1964-78	40-2859	Rocker Arm. Cast
	Both	1964-78	42-2641	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Push Rod	Both	1964-72	74-5311	9.620 Length
	Both	1964-78	74-5312	9.590 Length
Expansion Plug Kit		1964-78	97-19	Steel Kit.
		1964-78	97-19B	Brass Kit.
LINE 109	363 C.I. (6.0L) OHV 32V Vin P,D TRB Powerstroke			2003-10 V8 BORE - 3.74"/94.9mm
Valve Kit	Both	2003-10	10-VKFOR60I-5	Kit w/ 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
	Both	2003-10	10-VKFOR60S-5	Kit w/ 32 Valves, Guides, Stem Seals, 64 Keepers, 8 SS Inj. Tubes
	Both	2003-10	10-VKFOR60S-6	Kit w/ 32 Valves, 32 Guides, 64 Keepers, 32 Stem Seals, 8 SS Inj. Tubes
Valve	Exh	2003-10	10-2180	1.102 Head Dia.
	Int	2003-10	10-2179	1.339 Head Dia.
Cylinder Head, Stock		2003-10	16-260018	Cast Iron. 18mm Dowell. Bare w/ Seats, Guides, Inj. Tubes Installed
		2003-10	16-260018-K1	Head Kit w/ 2 Heads, 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
		2006-07	16-260020	Cast Iron. 20mm Dowell. Bare w/ Seats, Guides, Inj. Tubes Installed
		2006-07	16-260020-K1	Head Kit w/ 2 Heads, 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
Valve Seat Insert	Exh	2003-10	20-1250-15N	0.905 I.D. 1.2550 O.D. 0.250 Depth. Nickel. May Need Machining
	Int	2003-10	20-1375-2	1.125 I.D. 1.3795 Exact O.D. 0.250 Depth. May Need Machining
	Exh	2003-10	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth. May Need Machining
	Exh	2003-10	22-1161-1+030	0.910T I.D. 1.191 O.D. 0.222 Depth. May Need Machining. +10, 20, 30, 40, 62 Avail.
	Exh	2003-10	22-1221-2N	0.906 I.D. 1.221 O.D. 0.335 Depth. Nickel
	Exh	2003-10	22-1260-1N	0.945 I.D. 1.2598 O.D. 0.335 Depth. May Need Machining. Nickel
	Int	2003-10	22-1375-1	1.100 I.D. 1.375 O.D. 0.227 Depth. +5, 10 O/S Avail. OEM # 3942298
	Int	2003-10	22-1375-2N	1.100 I.D. 1.375 O.D. 0.227 Depth. +5, 10, 20 O/S Avail. OEM # 3942299
Guide	Both	2003-10	30-3055	2.331 OAL. 0.2765 I.D. 0.4395 O.D.
Spring	Both	2003-10	32-04040	2.076 Free Length.
Keeper	Both	2003-10	34-5009	1 Round Bead. 0.274 Stem
Lifter	Both	2003-10	36-2104	Hydraulic Roller. OEM # 3C3Z6500AA
Valve Stem Seal	Both	2003-10	38-160-55	Viton. Top Hat.
Performance Spring	Both	2003-10	52-4040	2.160 Free Length. 84 @ 1.880 (+20 closed). 252 @ 1.400 (+50 open)
Retainer	Both	2003-10	55-6328	Retainer. 0.912 O.D.
Push Rod	Both	2003-10	74-6662	9.795 Length. OEM # 8C3Z6565B
Injector Component		2003-10	87-8320	Injector Tube. Stainless. OEM# 3C3Z-9F538-AA
Expansion Plug Kit		2003-10	97-300SS	Stainless Steel Kit

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 110	**368 C.I. (6.0L) OHV 16V**			**1956-57 V8 BORE - 4.00"/101.6mm**
Guide	Both	1956-57	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1956-57	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Keeper	Both	1956-57	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1956-57	**36-2083**	Hydraulic
Valve Stem Seal	Both	1956-57	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.
LINE 111	**370 C.I. (6.1L) OHV 16V Vin A, H**			**1979-91 V8 BORE - 4.05"/102.9mm**
Valve	Exh	1979-85	**10-1381**	1.562 Head Dia. 0.3704 Stem. 4.954 OAL. 2BC.
	Exh	1979-85	**10-1381+15**	1.562 Head Dia. 0.3854 Stem. 4.954 OAL. 2BC.
	Exh	1979-85	**10-1381+3**	1.562 Head Dia. 0.3734 Stem. 4.954 OAL. 2BC.
	Int	1979-85	**10-1382**	1.784 Head Dia. 0.3714 Stem. 5.147 OAL. 2BC.
	Int	1979-85	**10-1382+15**	1.784 Head Dia. 0.3864 Stem. 5.147 OAL. 2BC.
	Int	1979-85	**10-1382+3**	1.784 Head Dia. 0.3744 Stem. 5.147 OAL. 2BC.
	Int	1979-91	**10-1384S**	1.784 Head Dia. 1979-85 w/ 4BC, 1986-91 All.
Valve Seat Insert	Exh	1979-91	**20-1687-4N**	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter. Nickel
	Int	1979-91	**20-1875-1**	1-5/8 I.D. 1-7/8 O.D. 1/4 Depth
Guide	Exh	1979-91	**30-9109**	2.500 OAL. Spiral 0.374 I.D. 30-6109 Plain I.D. Also Avail.
	Int	1979-91	**30-8037**	2.615 OAL
Spring	Both	1979-89	**32-1167**	1.970 Free Length. Exc. 1979-85 Exh. w/ 2BC.
Keeper	Both	1979-91	**34-613**	1 Groove. Heat Treated
Lifter	Both	1979-91	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1979-91	**38-1054-70**	Teflon And Rubber.
	Both	1979-91	**38-260-35**	Glass Filled Nylon. Umbrella.
	Both	1979-91	**38-925-15**	Nitrile. Ring And Band.
	Both	1979-91	**38-925-25**	Polyacrylic. Ring And Band.
Rocker Component	Both	1979-91	**40-2888**	Rocker Arm, Stamped w/ Oil Deflector
Rocker Kit	Both	1979-91	**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
Push Rod	Both	1979-91	**74-6274**	8.550 Length
Expansion Plug Kit		1979-91	**97-21**	Steel Kit.
		1979-91	**97-21B**	Brass Kit.
LINE 112	**379 C.I. (6.2L) SOHC 16V Vin 6**			**2010-22 V8 BORE - 4.02"/102.1mm**
Valve	Exh	2010-22	**10-13289**	1.654 Head Dia. 0.3122 Stem
	Exh	2012-22	**10-13291S**	1.654 Head Dia. 0.3122 Stem. Stellite. For Natl. Gas
	Int	2010-22	**10-13288**	2.106 Head Dia. 0.3127 Stem
	Int	2012-22	**10-13290S**	2.106 Head Dia. 0.3127 Stem. Stellite. For Natl. Gas
Guide	Both	2010-22	**30-3296**	2.210 OAL. 0.3135 I.D. 0.514 O.D.
Spring	Both	2010-16	**32-5016**	2.540 Free Length. Conical
	Both	2015-22	**32-6714**	2.587 Free Length. Conical. OEM # FC3Z6513A
Keeper	Both	2010-22	**34-619**	0.313 Stem Dia. 3 Round Beads.
Valve Stem Seal	Both	2010-18	**38-6127-55**	Top Hat. Viton
	Both	2019-22	**38-6522-55**	Top Hat. Viton
Retainer	Both	2010-22	**55-7362**	Retainer. 0.660 O.D. 0.313 Stem
LINE 113	**383 C.I. (6.3L) OHV 16V**			**1958-59 V8 BORE - 4.30"/109.0mm**
Guide	Exh	1958-59	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
	Int	1958-59	**30-9111**	2.875 OAL. Spiral 0.374 I.D. 30-6111 Plain ID Also Avail.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 113	**383 C.I. (6.3L) OHV 16V**			**1958-59 V8 BORE - 4.30"/109.0mm**
Guide	Int	1958-59	**30-9554**	2.750 OAL. Spiral 0.373 I.D. 30-7554 Plain ID Also Avail.
Keeper	Both	1958-59	**34-613**	1 Groove. Heat Treated
Lifter	Both	1958-59	**36-2083**	Hydraulic
Valve Stem Seal	Both	1958-59	**38-915-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-915-15 Also Avail.
	Both	1958-59	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1958-59	**40-2859**	Rocker Arm. Cast
LINE 114	**391 C.I. (6.4L) OHV 32V D (Navistar) Vin R**			**2008-10 V8 BORE - 3.86"/98.0mm**
Valve	Exh	2008-10	**10-13183**	1.161 Head Dia. 0.2738 Stem
	Int	2008-10	**10-13182**	1.339 Head Dia. 0.2738 Stem
Valve Seat Insert	Int	2008-10	**20-1375-2**	1.125 I.D. 1.3795 Exact O.D. 0.250 Depth. May Need Machining. -N Suffix Non Magnetic Also Avail.
	Exh	2008-10	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth. May Need Machining
	Exh	2008-10	**22-1161-1+030**	0.910T I.D. 1.191 O.D. 0.222 Depth. May Need Machining. +10, 20, 30, 40, 62 Avail.
	Exh	2008-10	**22-1221-2N**	0.906 I.D. 1.221 O.D. 0.335 Depth. Nickel
	Exh	2008-10	**22-1260-1N**	0.945 I.D. 1.2598 O.D. 0.335 Depth. May Need Machining. Nickel
	Exh	2008-10	**22-1262-1**	0.975T I.D. 1.262 O.D. 1/4 Depth, +10, +20, +30, +40, +62 O/S Avail. Non-Magnetic
	Int	2008-10	**22-1375-1**	1.100 I.D. 1.375 O.D. 0.227 Depth. +5, 10 O/S Avail. OEM # 3942298
	Int	2008-10	**22-1375-2N**	1.100 I.D. 1.375 O.D. 0.227 Depth. +5, 10, 20 O/S Avail. OEM # 3942299
Guide	Both	2008-10	**30-3055**	2.331 OAL. 0.2765 I.D. 0.4395 O.D.
Spring	Both	2008-10	**32-04040**	2.076 Free Length.
Keeper	Both	2008-10	**34-5009**	1 Round Bead. 0.274 Stem
Lifter	Both	2008-10	**36-2104**	Hydraulic Roller. OEM # 3C3Z6500AA
Valve Stem Seal	Both	2008-10	**38-160-55**	Viton. Top Hat.
Performance Spring	Both	2008-10	**52-4040**	2.160 Free Length. 84 @ 1.880 (+20 closed). 252 @ 1.400 (+50 open)
Retainer	Both	2008-10	**55-6328**	Retainer. 0.912 O.D.
Push Rod	Both	2008-10	**74-6662**	9.795 Length. OEM # 8C3Z6565B
Injector Component		2008-10	**87-6951**	Injector Tube, Stainless. OEM # 8C3Z9N951A
LINE 115	**389 C.I. (6.4L) OHV 16V Vin F**			**1975-78 V8 BORE - 4.05"/102.9mm**
Valve	Exh	1975-78	**10-917**	1.505 Head Dia. 0.4343 Stem. Non-Sodium Requires Addl. 0.002 Reaming Of Guide.
	Exh	1975-78	**10-917+15**	1.505 Head Dia. 0.4493 Stem. Non-Sodium
	Exh	1975-78	**10-917+3**	1.505 Head Dia. 0.4373 Stem. Non-Sodium
	Exh	1975-78	**10-917+30**	1.505 Head Dia. 0.4643 Stem. Non-Sodium
	Int	1975-77	**10-1057**	1.753 Head Dia. 0.3714 Stem. To S/N 025,001. 0.473 Tip to Groove
	Int	1975-77	**10-1057+15**	1.753 Head Dia. 0.3864 Stem. To S/N 025,001.
	Int	1975-77	**10-1057+3**	1.753 Head Dia. 0.3744 Stem. To S/N 025,001.
	Int	1975-77	**10-1057+30**	1.753 Head Dia. 0.4014 Stem. To S/N 025,001.
	Int	1975-77	**10-1057S**	1.753 Head Dia. To S/N 025,001. 0.473 Tip To Groove. Stellite.
	Int	1977-78	**10-1349S**	1.753 Head Dia. From S/N 025,001, 0.303 Tip To Groove
Valve Seat Insert	Exh	1975-78	**20-1687-4**	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter.
	Int	1975-78	**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Use w/ 1-7/8 Cutter.
	Exh	1975-78	**22-1630-1**	1.335 I.D. 1.630 O.D. 0.312 Depth. Replaces OEM # C4TZ-6057-A & D1TZ-6057-A.
	Int	1975-78	**22-1815-1**	1.595 I.D. 1.815 O.D. 1/4 Depth, OEM # C8TZ-6057A,

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 115	389 C.I. (6.4L) OHV 16V Vin F			1975-78 V8 BORE - 4.05"/102.9mm
Guide	Exh	1972-78	30-6119	2.500 OAL 0.4375 Plain I.D. 0.6270 O.D.
	Exh	1975-78	30-9119	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.
	Int	1975-78	30-9109	2.500 OAL. Spiral 0.374 I.D. 30-6109 Plain I.D. Also Avail.
Spring	Both	1975-78	32-1016	1.960 Free Length.
Keeper	Both	1975-78	34-613	1 Groove. Heat Treated
Lifter	Both	1975-78	36-2083	Hydraulic
Valve Stem Seal	Int	1975-78	38-905-25	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
Rocker Component	Both	1975-78	40-2859	Rocker Arm. Cast
	Both	1975-78	42-2641	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Push Rod	Both	1975-78	74-5312	9.590 Length
Expansion Plug Kit		1975-78	97-19	Steel Kit.
		1975-78	97-19B	Brass Kit.
LINE 116	390 C.I. (6.4L) OHV 16V Vin H,M,S,X,Y,Z			1961-76 V8 BORE - 4.05"/102.9mm
Valve	Exh	1961-76	10-1242	1.559 Head Dia. 0.3715 Stem. 5.436 OAL
	Exh	1961-76	10-1242+15	1.559 Head Dia. 0.3865 Stem. 5.436 OAL
	Exh	1961-76	10-1242+3	1.559 Head Dia. 0.3745 Stem. 5.436 OAL
	Exh	1961-76	10-1242+30	1.559 Head Dia. 0.4015 Stem. 5.436 OAL
	Int	1961-76	10-637	2.027 Head Dia. .3716 Stem. 5.400 OAL.
	Int	1961-76	10-637+15	2.027 Head Dia. .3866 Stem. 5.400 OAL.
	Int	1961-76	10-637+3	2.027 Head Dia. .3746 Stem. 5.400 OAL.
	Int	1961-76	10-637+30	2.027 Head Dia. .4016 Stem. 5.400 OAL.
	Int	1961-76	10-637+5	2.027 Head Dia. .3766 Stem. 5.400 OAL.
Valve Seat Insert	Exh	1961-76	20-1687-1	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth
	Int	1961-76	20-2062-1	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.
Guide	Both	1961-76	30-6108	2.375 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Both	1961-76	30-9108	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Exh	1976-76	30-7298	2.375 OAL 0.3730 Plain I.D. 0.5020 O.D.
	Exh	1961-76	30-9298	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
Spring	Both	1968-76	32-1016	1.960 Free Length.
	Both	1972-76	32-798	2.000 Free Length. Exh Only '72-76.
	Both	1963-76	32-909-D	2.120 Free Length. Hi-Perf & Police w/ Damper.
Keeper	Both	1961-76	34-613	1 Groove. Heat Treated
Lifter	Both	1961-76	36-2083	Hydraulic
Valve Stem Seal	Both	1961-71	38-1091-75	All Teflon. 3/8 x 0.500
	Both	1961-76	38-905-25	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1961-76	38-921-25	Polyacrylic. 2-Ring.
Rocker Component	Both	1961-76	40-2859	Rocker Arm. Cast. Use w/ Hyd. Lifter
	Both	1961-76	42-2641	Rocker Shaft. 2 Req. Use w/ Non-Adj. Rocker Arms
Retainer	Both	1961-76	55-6304	Chrome Moly. 1.400 O.D. 3/8 Stem
Push Rod	Both	1964-68	74-5311	9.620 Length. '64-68 Pass. '68 Truck
	Both	1961-76	74-5312	9.590 Length. '61-63, '68-71 Pass. '68-76 Trucks
Expansion Plug Kit		1961-76	97-19	Steel Kit.
		1961-76	97-19B	Brass Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 117	391 C.I. (6.4L) OHV 16V Vin F			1964-78 V8 BORE - 4.05"/102.9mm
Valve	Exh	1964-78	10-917	1.505 Head Dia. 0.4343 Stem. Non-Sodium Requires Addl. 0.002 Reaming Of Guide.
	Exh	1964-78	10-917+15	1.505 Head Dia. 0.4493 Stem. Non-Sodium
	Exh	1964-78	10-917+3	1.505 Head Dia. 0.4373 Stem. Non-Sodium
	Exh	1964-78	10-917+30	1.505 Head Dia. 0.4643 Stem. Non-Sodium
	Int	1964-77	10-1057	1.753 Head Dia. 0.3714 Stem. To S/N 025,001. 0.473 Tip to Groove
	Int	1964-77	10-1057+15	1.753 Head Dia. 0.3864 Stem. To S/N 025,001.
	Int	1964-77	10-1057+3	1.753 Head Dia. 0.3744 Stem. To S/N 025,001.
	Int	1964-77	10-1057+30	1.753 Head Dia. 0.4014 Stem. To S/N 025,001.
	Int	1964-77	10-1057S	1.753 Head Dia. To S/N 025,001, 0.473 Tip To Groove. Stellite.
	Int	1977-78	10-1349S	1.753 Head Dia. From S/N 025,001, 0.303 Tip To Groove
Valve Seat Insert	Exh	1964-78	20-1687-4	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter.
	Exh	1964-78	20-1687-4N	1-11/32 I.D. 1-11/16 O.D. 5/16 Depth. Use w/ 1-11/16 Cutter. Nickel
	Int	1964-78	20-1875-2	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Use w/ 1-7/8 Cutter.
	Exh	1964-78	22-1630-1	1.335 I.D. 1.630 O.D. 0.312 Depth. Replaces OEM # C4TZ-6057-A & D1TZ-6057-A.
	Exh	1964-78	22-1630-1N	1.335 I.D. 1.630 O.D. 0.312 Depth. Nickel LPG
	Int	1964-78	22-1815-1	1.595 I.D. 1.815 O.D. 1/4 Depth, OEM # C8TZ-6057A
Guide	Exh	1964-78	30-9119	2.500 OAL. 0.4375 Spiral I.D. 0.627 O.D.
	Int	1964-78	30-9964	2.250 OAL. Spiral 0.373 I.D. 0.5020 O.D.
Spring	Both	1964-78	32-1016	1.960 Free Length.
	Both	1964-77	32-798	2.000 Free Length.
	Both	1977-78	32-909-D	2.120 Free Length. w/ Damper
Keeper	Both	1964-78	34-613	1 Groove. Heat Treated
Lifter	Both	1964-78	36-2083	Hydraulic
Valve Stem Seal	Int	1964-78	38-905-25	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
Rocker Component	Both	1964-78	40-2859	Rocker Arm. Cast
	Both	1964-78	42-2641	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Push Rod	Both	1964-72	74-5311	9.620 Length
	Both	1972-78	74-5312	9.590 Length
Expansion Plug Kit		1964-78	97-19	Steel Kit.
		1946-78	97-19B	Brass Kit.
LINE 118	400 C.I. (6.6L) OHV 16V Vin S,Z			1971-82 V8 BORE - 4.00"/101.6mm
Valve	Exh	1971-77	10-1169	1.655 Head Dia. 5.050 OAL. 0.342 Stem Dia. 4G.
	Exh	1971-77	10-1169+15	1.655 Head Dia. 5.050 OAL. 0.357 Stem Dia. 4G.
	Exh	1978-82	10-1367	1.655 Head Dia. 0.3414 Stem Dia. 1 Groove
	Int	1971-78	10-1170	2.041 Head Dia. 0.3419 Stem. 5.231 OAL. 4G.
	Int	1971-78	10-1170+15	2.041 Head Dia. 0.3569 Stem. 5.231 OAL. 4G.
	Int	1971-78	10-1170+3	2.041 Head Dia. 0.3449 Stem. 5.231 OAL. 4G.
	Int	1971-78	10-1170+30	2.041 Head Dia. 0.3719 Stem. 5.231 OAL. 4G.
	Int	1978-82	10-1380	2.041 Head Dia. 1 Groove.
	Int	1978-82	10-1380+15	2.041 Head Dia. 1 Groove.
	Int	1978-82	10-1380+3	2.041 Head Dia. 1 Groove.
Valve Seat Insert	Exh	1971-82	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1971-82	20-2125-2	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1971-82	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 118	**400 C.I. (6.6L) OHV 16V Vin S,Z**			**1971-82 V8 BORE - 4.00"/101.6mm**
Guide	Both	1971-82	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1973-82	**32-994**	2.056 Free Length. Exc. 78-79 Exh.
	Exh	1978-82	**32-1149**	1.965 Free Length.
Keeper	Both	1978-82	**34-555**	1 Square Groove. Heat Treated
	Both	1971-78	**34-620**	Heat Treated. 4G
Lifter	Both	1971-82	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1971-82	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1971-82	**38-916-25**	Polyacrylic. Umbrella.
	Both	1971-82	**38-951-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1971-82	**40-2888**	Rocker Arm, Stamped w/ Oil Deflector
Rocker Kit	Both	1971-82	**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
Push Rod	Both	1971-79	**74-6310**	9.500 Length. Exc. Boss Special
Expansion Plug Kit		1971-82	**97-18**	Steel Kit.
		1971-82	**97-18B**	Brass Kit.
LINE 119	**401 C.I. (6.6L) OHV 16V Vin H**			**1958-76 V8 BORE - 4.13"/104.8mm**
Valve Seat Insert	Exh	1958-76	**22-1744-1N**	1.445 I.D. 1.744 O.D. 0.312 Depth, OEM # B8QH-6057A
Guide	Both	1958-76	**30-9609**	2.625 OAL. Spiral 0.438 I.D. 30-5609 Plain I.D. Also Avail.
Keeper	Both	1958-76	**34-802**	1 Groove. Heat Treated
	Both	1958-76	**34-811**	1 Square Groove. Heat Treated
Expansion Plug Kit		1958-76	**97-27**	Steel Kit.
		1958-76	**97-27B**	Brass Kit.
LINE 120	**401 C.I. (6.6L) OHV 12V D TRB Brazil Vin P**			**1986-94 L6 BORE - 4.40"/111.8mm**
Valve	Exh	1986-94	**10-1758**	1.693 Head Dia. Direct Injection
	Int	1986-94	**10-1694**	1.842 Head Dia. Indirect Injection
	Int	1986-94	**10-1757**	1.870 Head Dia. Direct Injection
Valve Seat Insert	Exh	1986-94	**22-1733-2N**	1.455T I.D. 1.733 O.D. 0.365 Depth. +30 O/S Avail. CF600/800 Series
Guide	Both	1986-94	**30-8409**	2.680 OAL
Keeper	Both	1986-94	**34-613**	1 Groove. Heat Treated
Valve Stem Seal	Both	1986-94	**38-403-45**	Viton. Metal Clad.
Expansion Plug Kit		1986-94	**97-27**	Steel Kit.
		1986-94	**97-27B**	Brass Kit.
LINE 121	**406 C.I. (6.6L) OHV 16V**			**1962-63 V8 BORE - 4.13"/104.9mm**
Valve	Exh	1962-63	**10-1242**	1.559 Head Dia. 0.3715 Stem. 5.436 OAL
	Exh	1962-63	**10-1242+15**	1.559 Head Dia. 0.3865 Stem. 5.436 OAL
	Exh	1962-63	**10-1242+3**	1.559 Head Dia. 0.3745 Stem. 5.436 OAL
	Exh	1962-63	**10-1242+30**	1.559 Head Dia. 0.4015 Stem. 5.436 OAL
Valve Seat Insert	Exh	1962-63	**20-1687-1**	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth w/ 1.559 Valve Head Dia.
	Exh	1962-63	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.650 Valve Head Dia. +10 O/S Avail.
	Int	1962-63	**20-2062-1**	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.
Guide	Exh	1962-63	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
	Int	1962-63	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1962-63	**32-907-D**	2.120 Free Length. w/ Damper
Keeper	Both	1962-63	**34-613**	1 Groove. Heat Treated

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 121	**406 C.I. (6.6L) OHV 16V**			**1962-63 V8 BORE - 4.13"/104.9mm**
Valve Stem Seal	Both	1962-63	**38-253-45**	Viton. Umbrella.
	Both	1962-63	**38-260-35**	Glass Filled Nylon. Umbrella.
	Both	1962-63	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1962-63	**38-921-25**	Polyacrylic. 2-Ring.
Retainer	Both	1962-63	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
Push Rod	Both	1971-79	**74-6310**	9.500 Length. Exc. Boss Special
Expansion Plug Kit		1962-63	**97-19**	Steel Kit.
		1962-63	**97-19B**	Brass Kit.
LINE 122	**406 C.I. (6.7L) OHV 32V D Powerstroke Vin M,T,V TRB**			**2011-25 V8 BORE - 3.90"/99.1.0mm**
Valve Kit	Both	2011-25	**10-VKFOR67A-5**	Kit for Assy. w/ 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
	Both	2011-25	**10-VKFOR67L-4**	Kit w/ 32 Valves, 32 Guides, 64 Keepers, 32 Stem Seals
	Both	2011-25	**10-VKFOR67L-5**	Kit w/ 32 Valves, 32 Guides, 32 Springs, 64 Keepers, 32 Stem Seals
Valve	Exh	2011-25	**10-13266**	1.195 Head Dia. 0.2748 Stem. 5.242 OAL. OEM # BC3Z6505A
	Int	2011-25	**10-13265**	1.331 Head Dia. 0.2748 Stem. 5.242 OAL. OEM # BC3Z6507A
Cylinder Head, Stock		2012-19	**16-267001-K1**	Head Kit w/ 2 Heads, 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
		2012-19	**16-267001L**	Aluminum Left. Bare w/ Seats, Guides, Inj. Tubes
		2012-19	**16-267001R**	Aluminum Right. Bare w/ Seats, Guides, Inj. Tubes
Guide	Both	2011-25	**30-3163**	2.150 OAL. 0.2764 I.D. 0.4725 O.D.
Spring	Both	2011-25	**32-5015**	1.979 Free Length. Conical
Keeper	Both	2011-25	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	2011-25	**36-2315**	Hydraulic Roller
Valve Stem Seal	Both	2011-25	**38-6129-55**	Viton. Top Hat
Retainer	Both	2011-25	**55-5715**	Chrome Moly. 0.865 O.D.
Push Rod	Both	2011-25	**74-6685**	9.534 Length.
LINE 123	**410 C.I. (6.7L) / 428 C.I. (7.0L) Vin P, Q, R 16V**			**1958-70 V8 ", 4.13"/102.9mm, 104.9mm**
Valve	Exh	1958-70	**10-1242**	1.559 Head Dia. 0.3715 Stem. 5.436 OAL Exc. CJ & SCJ.
	Exh	1958-70	**10-1242+15**	1.559 Head Dia. 0.3865 Stem. 5.436 OAL
	Exh	1958-70	**10-1242+3**	1.559 Head Dia. 0.3745 Stem. 5.436 OAL
	Exh	1958-70	**10-1242+30**	1.559 Head Dia. 0.4015 Stem. 5.436 OAL
	Int	1966-70	**10-637**	2.027 Head Dia. .3716 Stem. 5.400 OAL. Exc. 67-68 Police Or SCJ & CJ.
	Int	1966-70	**10-637+15**	2.027 Head Dia. .3866 Stem. 5.400 OAL.
	Int	1966-70	**10-637+3**	2.027 Head Dia. .3746 Stem. 5.400 OAL.
	Int	1966-70	**10-637+30**	2.027 Head Dia. .4016 Stem. 5.400 OAL.
	Int	1966-70	**10-637+5**	2.027 Head Dia. .3766 Stem. 5.400 OAL.
Valve Seat Insert	Exh	1966-70	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. Exc. CJ & SCJ w/ 1.559 Valve Head. +5, 10, 15, 30 O/S Avail.
	Exh	1958-67	**20-1687-1**	1-13/32 I.D. 1-11/16 O.D. 1/4 Depth
	Exh	1968-70	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. CJ & SCJ. w/ 1.653 Valve Head. +10 O/S Avail.
	Int	1958-67	**20-2062-1**	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.
	Int	1966-70	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth. Exc. CJ & SCJ w/ 2.027 Valve Head
	Int	1968-70	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. CJ & SCJ w/ 2.090 Valve Head
Guide	Both	1958-70	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Exh	1958-70	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 123	**410 C.I. (6.7L) / 428 C.I. (7.0L) Vin P, Q, R 16V**			**1958-70 V8 ", 4.13"/102.9mm, 104.9mm**
Spring	Both	1966-70	**32-907-D**	2.120 Free Length. w/ Damper
	Both	1966-70	**32-909-D**	2.120 Free Length.
Keeper	Both	1958-70	**34-613**	1 Groove. Heat Treated
Lifter	Both	1958-70	**36-2083**	Hydraulic
Valve Stem Seal	Both	1958-70	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1958-70	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1958-70	**40-2859**	Rocker Arm. Cast
	Both	1958-70	**42-2641**	Rocker Shaft. 2 Required. w/ Hyd. Lifter
Push Rod	Both	1958-67	**74-5311**	9.620 Length
	Both	1968-70	**74-5312**	9.590 Length
Expansion Plug Kit		1958-70	**97-19**	Steel Kit.
		1958-70	**97-19B**	Brass Kit.
LINE 124	**415 C.I. (6.8L) 16V Mini-zilla**			**2023-25 V8 BORE - 4.22"/107.1mm**
Valve	Exh	2023-25	**10-13512**	1.670 Head Dia. 0.312 Stem. 5.690 OAL. 3G
	Int	2023-25	**10-13511**	2.163 Head Dia. 0.313 Stem. 5.743 OAL. 3G.
Valve Seat Insert	Exh	2023-25	**21-1750-50N**	1.406T I.D. 1.750 O.D. 0.250 Depth. Nickel
	Int	2023-25	**21-2187-51**	1.950T I.D. 2.187 O.D. 0.250 Depth
Guide	Both	2023-25	**30-3229**	2.240 OAL. 0.3146 I.D. 0.5145 O.D.
Spring	Exh	2023-25	**32-2498**	2.763 Free Length. Conical. Closed 2.36 @109
	Int	2023-25	**32-2497**	2.616 Free Length. Conical. Closed 2.36 @86
Keeper	Both	2023-25	**34-00515**	0.313 Stem Dia. 3 Round Beads.
Lifter	Both	2023-25	**36-6600**	Hydraulic Roller
	Both	2023-25	**36-6600G**	Lifter Guide
	Both	2023-25	**36-6600K**	Lifter Kit, 16 36-6600, 4 guides
Valve Stem Seal	Both	2023-25	**38-6519-55**	Viton. Top Hat.
Rocker Component	Both	2023-25	**40-2933**	Rocker Arm with bolt. Improved oil hole.
Retainer	Both	2023-25	**55-7362**	Retainer. 0.660 O.D. 0.313 Stem
Push Rod	Both	2023-25	**74-6556**	8.412 Length
LINE 125	**415 C.I. (6.8L) SOHC 20V Triton Vin S**			**1997-19 V10 BORE - 3.55"/89.9mm**
Valve	Exh	1997-99	**10-1698S**	1.339 Head Dia. Inconel Head
	Exh	2000-19	**10-1925**	1.418 Head Dia. 4.681 OAL. Exc. CNG & LPG.
	Exh	2000-19	**10-1925S**	1.418 Head Dia. 4.681 OAL. CNG & LPG.
	Int	1997-99	**10-1699**	1.752 Head Dia. 0.275 Stem. 4.622 OAL
	Int	1997-99	**10-1699+15**	1.752 Head Dia. 0.290 Stem. 4.622 OAL
	Int	1997-99	**10-1699S**	1.752 Head Dia. Stellite
	Int	2000-19	**10-1924**	1.752 Head Dia. 4.752 OAL. Exc. CNG & LPG
	Int	2000-19	**10-1924S**	1.752 Head Dia. 0.2750 Stem 4.752 OAL. CNG, LPG
Valve Seat Insert	Exh	1997-99	**21-1375-61N**	1.130T I.D. 1-3/8 O.D. 0.304 Depth. Nickel. Natl. Gas
	Exh	2000-19	**21-1500-50**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. Machine to Depth. Exc. LPG
	Exh	2001-19	**21-1500-50N**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. Nickel
	Int	1997-19	**21-1875-56**	1.600T I.D. 1-7/8 O.D. 0.252 Depth. Exc. CNG
Guide	Both	1997-19	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
Spring	Both	1997-99	**32-1615**	1.968 Free Length.
	Both	2000-19	**32-2487**	2.101 Free Length.
Keeper	Both	1997-19	**34-281**	3 Round Beads. 0.275 Stem Dia.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 125	**415 C.I. (6.8L) SOHC 20V Triton Vin S**			**1997-19 V10 BORE - 3.55"/89.9mm**
Lifter	Both	1997-19	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1997-19	**38-111-45**	Viton. Top Hat.
Rocker Component	Both	1997-18	**40-2929**	Rocker Arm
Retainer	Both	2000-15	**55-6194**	Chrome Moly. 0.890 O.D. 7mm Stem
LINE 126	**415 C.I. (6.8L) SOHC 30V Vin Y Heavy Duty Triton**			**2005-19 V10 BORE - 3.55"/90.2mm**
Valve	Exh	2005-19	**10-2119**	1.476 Head Dia. Flex-Fuel. 1 per Cyl.
	Int	2005-19	**10-2118**	1.331 Head Dia. Flex-Fuel. 2 per Cyl.
	Int	2005-19	**10-2118S**	1.331 Head Dia. Flex-Fuel. Stellite
Valve Seat Insert	Exh	2005-19	**21-1500-73**	1.230 I.D. 1-1/2 0,D. 0.278 Depth. Exc. CNG
	Int	2005-19	**21-1375-50**	1.109T I.D. 1-3/8 O.D. 0.255 Depth. Exc. CNG
Guide	Both	2005-19	**30-3047**	1.725 OAL. 0.436 O.D. 0.2371 I.D.
Spring	Both	2005-19	**32-04029**	2.174 Free Length. Conical.
Keeper	Both	2005-19	**34-03722**	3 Round Beads. 0.234 Stem
Lifter	Both	2005-19	**36-2305**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2005-19	**38-905-45**	Viton. Top Hat.
Rocker Component	Both	2005-19	**40-2930**	Cam Follower
LINE 127	**420 C.I. (6.9L) OHV 16V Navistar Diesel Vin 1**			**1983-87 V8 BORE - 4.00"/101.6mm**
Valve	Exh	1983-87	**10-1542**	1.595 Head Dia. 0.372T Stem. +10 Thicker Margin
	Int	1983-87	**10-1543**	1.877 Head Dia. 0.3719 Stem. +10 Margin
Valve Seat Insert	Int	1983-84	**20-1875-38**	1-5/8 I.D. 1-7/8 O.D. 3/16 Depth. To Be Used In Early A & B Castings Due To Thin Wall Sections
	Int	1985-87	**20-1937-23**	1-11/16 I.D. 1-15/16 O.D. 3/16 Depth, Cannot Be Used In Early Year A & B Castings Because Of Thin Casting.
	Exh	1983-87	**22-1669-1**	1.372T I.D. 1.669 O.D. 0.272 Depth. OEM # E3TZ-6057B. +15, 30 O/S Avail.
	Int	1983-87	**22-1957-1**	Dual O.D. Seat Recommended For All Castings.
Guide	Both	1983-87	**30-7689**	2.600 OAL. OEM Repair Version Check O.D. 0.6252 O.D.
	Both	1983-87	**30-7712**	5/8 Reamer Option 0.372 Stem: 2.600 OAL. 0.627 O.D. 0.374 I.D.
Spring	Both	1983-87	**32-887-D**	2.050 Free Length. w/ Rotocaps. OEM # 317365-C11
Keeper	Both	1983-87	**34-613**	1 Groove. Heat Treated
Lifter	Both	1983-87	**36-2104**	Hydraulic Roller. OEM # 3C3Z6500AA
Valve Stem Seal	Both	1983-87	**38-844-45**	Viton. Ring And Spring.
	Both	1983-87	**38-910-25**	Polyacrylic. Umbrella.
Push Rod	Both	1983-87	**74-6608**	10.013 Length. OEM # E3TZ6565A
Expansion Plug Kit		1983-87	**97-97SS**	Avail. In Stainless Steel Only - Specially Ground Concave Plugs To OEM Specs.
LINE 128	**427 C.I. (7.0L) 16V**			**1963-69 V8 BORE - 4.23"/102.5mm**
Valve Seat Insert	Exh	1963-69	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1963-69	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. Exc. CJ, SCJ & Police
Spring	Both	1963-69	**32-907-D**	2.120 Free Length. w/ Damper
Keeper	Both	1963-69	**34-613**	1 Groove. Heat Treated
Lifter	Both	1963-69	**36-2083**	Hydraulic
Valve Stem Seal	Both	1963-69	**38-921-25**	Polyacrylic. 2-Ring.
Push Rod	Both	1963-68	**74-5311**	9.620 Length. Use w/ Hydraulic Lifters
	Both	1968-69	**74-5312**	9.590 Length. Use w/ Hydraulic Lifters
Expansion Plug Kit		1963-69	**97-19**	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 128	427 C.I. (7.0L) 16V			1963-69 V8	BORE - 4.23"/102.5mm
Expansion Plug Kit		1963-69	97-19B	Brass Kit.	
LINE 129	429 C.I. (7.0L) OHV 16V Vin C, J, K, N, Z			1968-73 V8	BORE - 4.36"/110.7mm
Valve	Exh	1968-72	10-1102	1.654 Head Dia. 5.080 OAL. Exc. Police, Cobra Jet & Special.	
	Exh	1968-72	10-1102+15	1.654 Head Dia. 5.080 OAL. Exc. Police, Cobra Jet & Special.	
	Exh	1968-72	10-1102+3	1.654 Head Dia. 5.080 OAL. Exc. Police, Cobra Jet & Special.	
	Exh	1973-73	10-1271	1.654 Head Dia. 4.983 OAL.	
	Exh	1973-73	10-1271+3	1.654 Head Dia. 4.983 OAL.	
	Int	1968-72	10-1103	2.083 Head Dia. 5.288 OAL. Exc. Police, Cobra Jet & Special.	
	Int	1968-72	10-1103+3	2.083 Head Dia. 5.288 OAL Exc. Police, Cobra Jet & Special.	
	Int	1973-73	10-1272	2.083 Head Dia. 0.3419 Stem. 5.198 OAL.	
	Int	1973-73	10-1272+15	2.083 Head Dia. 0.3569 Stem. 5.198 OAL.	
	Int	1973-73	10-1272+3	2.083 Head Dia. 0.3449 Stem. 5.198 OAL.	
Valve Seat Insert	Exh	1968-73	20-1750-2	1-1/2 I.D. 1-3/4 O-D. 7/32 Depth. Exc. CJ, SCJ & Police. +10 O/S Avail.	
	Exh	1968-73	20-1750-38	1-3/4 O.D. 1-9/16 I.D. 7/32 Depth. SCJ w/ 1.725 Valve Head	
	Int	1968-73	20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. Exc. CJ, SCJ & Police	
Guide	Both	1968-73	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1968-73	32-961-D	2.026 Free Length. Hi-Perf. & Police,	
	Both	1968-73	32-991	2.068 Free Length. Exc. Hi-Perf. & Police.	
Keeper	Both	1968-73	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1968-73	36-900CCI	Hydraulic Flat. 1-pc. Chilled Cast Iron	
Valve Stem Seal	Both	1968-73	38-1054-70	Teflon And Rubber.	
	Both	1968-73	38-530-15	Nitrile. Umbrella.	
	Both	1968-73	38-530-25	Polyacrylic. Umbrella.	
	Both	1968-73	38-530-45	Viton. Umbrella.	
	Both	1968-73	38-915-25	Polyacrylic. Umbrella.	
	Both	1968-73	38-951-25	Polyacrylic. 2-Ring.	
Rocker Component	Both	1968-73	40-2888	Rocker Arm, Stamped w/ Oil Deflector	
Rocker Kit	Both	1970-73	41-2547	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot	
Rocker Component	Both	1968-73	42-2940	Rocker Stud. 7/16-20 x 7/16-14 x 2.6700	
Retainer	Both	1968-73	55-4000	1.321 O.D. 11/32 Stem	
Push Rod	Both	1970-73	74-6274	8.550 Length	
Expansion Plug Kit		1968-73	97-21	Steel Kit.	
		1968-73	97-21B	Brass Kit.	
LINE 130	429 C.I. (7.0L) Carb., F.I., LPG 16V Vin 8,C,K,J			1979-98 V8	BORE - 4.36"/110.7mm
Valve	Int	1991-98	10-1548	1.977 Head Dia.	
	Int	1991-98	10-1548S	1.977 Head Dia. 0.3419 Stem. LPG, Stellite.	
	Int	1991-98	10-1548S+3	1.977 Head Dia. 0.3449 Stem. LPG, Stellite.	
Valve Seat Insert	Exh	1979-98	20-1812-21N	1-15/32 I.D. 1-13/16 O.D. 5/16 Depth. Use w/ 1-13/16 Cutter. Nickel	
	Int	1991-98	20-2062-30	1-13/16 I.D. 2-1/16 O.D. 3/16 Depth	
	Int	1979-91	20-2250-1	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth.	
	Exh	1979-98	22-1781-1N	1.476 I.D. 1.781 O.D. 0.311 Depth, OEM # D9HZ-6057A	
Guide	Both	1979-91	30-9298	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.	
	Both	1991-98	30-9459	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.	
	Exh	1979-91	30-8037	2.615 OAL. OEM Knock Out Type	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 130	**429 C.I. (7.0L) Carb., F.I., LPG 16V Vin 8,C,K,J**			**1979-98 V8 BORE - 4.36"/110.7mm**
Spring	Both	1979-94	**32-1167**	1.970 Free Length. Exc. 1986-91 Exh. w/ 2BC
	Both	1991-98	**32-1420**	2.114 Free Length.
Keeper	Both	1979-98	**34-613**	1 Groove. Heat Treated
Lifter	Both	1979-98	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1979-98	**38-1054-70**	Teflon And Rubber.
	Both	1979-98	**38-260-35**	Glass Filled Nylon. Umbrella.
	Both	1979-98	**38-925-25**	Polyacrylic. Ring And Band.
Rocker Component	Both	1979-98	**40-2888**	Rocker Arm, Stamped w/ Oil Deflector
Rocker Kit	Both	1979-98	**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
Retainer	Both	1979-98	**55-4000**	1.321 O.D. 11/32 Stem
Push Rod	Both	1991-94	**74-6274**	8.550 Length
Expansion Plug Kit		1979-98	**97-21**	Steel Kit.
		1979-98	**97-21B**	Brass Kit.
LINE 131	**430 C.I. (7.0L) 16V**			**1958-65 V8 BORE - 4.30"/109.2mm**
Guide	Exh	1958-65	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
	Int	1958-65	**30-9554**	2.750 OAL. Spiral 0.373 I.D. 30-7554 Plain ID Also Avail.
Spring	Both	1963-65	**32-798**	2.000 Free Length.
Keeper	Both	1958-65	**34-613**	1 Groove. Heat Treated
Lifter	Both	1958-65	**36-2083**	Hydraulic
Valve Stem Seal	Both	1958-65	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1958-65	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1958-65	**40-2859**	Rocker Arm. Cast
Expansion Plug Kit		1958-65	**97-21**	Steel Kit.
		1958-65	**97-21B**	Brass Kit.
LINE 132	**445 C.I (7.3L) OHV 16V Vin K,N Godzilla**			**2020-25 V8 BORE - 4.22"/107.1mm**
Valve	Exh	2020-25	**10-13512**	1.670 Head Dia. 0.312 Stem. 5.690 OAL. 3G
	Int	2020-25	**10-13511**	2.163 Head Dia. 0.313 Stem. 5.743 OAL. 3G.
Valve Seat Insert	Exh	2020-25	**21-1750-50N**	1.406T I.D. 1.750 O.D. 0.250 Depth. Nickel
	Int	2020-25	**21-2187-51**	1.950T I.D. 2.187 O.D. 0.250 Depth
Guide	Both	2020-25	**30-3229**	2.240 OAL. 0.3146 I.D. 0.5145 O.D.
Spring	Exh	2020-25	**32-2498**	2.763 Free Length. Conical. Closed 2.36 @109
	Int	2020-25	**32-2497**	2.616 Free Length. Conical. Closed 2.36 @86
Keeper	Both	2020-25	**34-00515**	0.313 Stem Dia. 3 Round Beads.
Lifter	Both	2020-25	**36-6600**	Hydraulic Roller
	Both	2020-25	**36-6600G**	Lifter Guide
	Both	2020-25	**36-6600K**	Lifter Kit, 16 36-6600, 4 guides
Valve Stem Seal	Both	2020-25	**38-6519-55**	Viton. Top Hat.
Rocker Component	Both	2020-25	**40-2933**	Rocker Arm with bolt. Improved oil hole.
Retainer	Both	2020-25	**55-7362**	Retainer. 0.660 O.D. 0.313 Stem
Push Rod	Both	2020-25	**74-6556**	8.412 Length
LINE 133	**7.3L 16V Vin CFKM Powerstroke Incl. Dir. Inj. D**			**1988-05 V8 BORE - 4.11"/104.4mm**
Valve Kit	Both	1988-05	**10-VKFOR73L-5**	Kit with 16 Dir. Inj. Valves, 16 Guides, 32 Keepers, 16 Stem Seals, 6 Brass Injector Tubes
	Both	1988-05	**10-VKFOR73L-6**	Kit with 16 Dir. Inj. Valves, 16 Guides, 16 Springs, 32 Keepers, 16 Stem Seals, 6 Brass Injector Tubes

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 133	7.3L 16V Vin CFKM Powerstroke Incl. Dir. Inj. D		1988-05 V8	BORE - 4.11"/104.4mm
Valve	Exh	1988-95	**10-1542**	1.595 Head Dia. 0.372T Stem. +10 Thicker Margin
	Exh	1988-95	**10-1754**	1.595 Head Dia. 0.3719 Stem. Hi-Nickel Head Matl. +10 Margin. OEM # F3TZ6505B
	Exh	1994-05	**10-1786**	1.680 Head Dia. 0.3122 Stem. Dir. Inj.
	Int	1988-95	**10-1543**	1.877 Head Dia. 0.3719 Stem. +10 Margin
	Int	1994-05	**10-1785**	1.680 Head Dia. 0.3122 Stem. Dir. Inj.
Valve Seat Insert	Exh	1994-05	**20-1750-4N**	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth. Must cut seat angle to 37.5 Deg. Dir. Inj.
	Int	1994-05	**20-1750-4**	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth. Must cut seat angle to 30 Deg. Dir. Inj.
	Int	1988-95	**20-1875-38**	1-5/8 I.D. 1-7/8 O.D. 3/16 Depth. To Be Used In 1988-89 Castings Due To Thin Wall Sections. .
	Int	1988-95	**20-1937-23**	1-11/16 I.D. 1-15/16 O.D. 3/16 Depth.
	Exh	1988-95	**22-1669-1**	1.372T I.D. 1.669 O.D. 0.272 Depth. OEM # E3TZ-6057B. +15, 30 O/S Avail.
	Int	1988-95	**22-1957-1**	Dual O.D. Seat Recommended For All Castings.
Guide	Both	1994-05	**30-3257**	1/2" Reamer Option 0.312 Stem: 2.440 OAL. 0.3145 I.D. 0.502 O.D. w/ Seal Boss O.D. 0.564. Type: 21-SR
	Both	1994-05	**30-6587**	7/16 Reamer Option 0.312 Stem: 2.500 OAL. 0.3135 I.D., Check Stem Fit. 0.439 O.D. Type 1-SR
	Both	1988-95	**30-7689**	2.600 OAL. OEM Repair Version Check O.D. 0.6252 O.D.
	Both	1988-95	**30-7712**	5/8 Reamer Option 0.372 Stem: 2.600 OAL. 0.627 O.D. 0.374 I.D.
	Both	1988-05	**30-8476**	9/16 Reamer Option 0.312 Stem: 2.440 OAL. 0.565 O.D. 0.3146 I.D.
	Both	1988-05	**30-8476SA**	2.440 OAL. Special Alloy
	Both	1988-05	**30-8562**	9/16 Reamer Option 0.312 Stem: 2.440 OAL. 0.564 O.D. 0.3145 I.D.
Spring	Both	1988-05	**32-887-D**	2.050 Free Length. OEM # 317365-C11
Keeper	Both	1988-95	**34-613**	1 Groove. 3/8 Stem. Heat Treated
	Both	1994-05	**34-614**	1 Square Groove. 5/16 Stem. Heat Treated.
Lifter	Both	1988-05	**36-2104**	Hydraulic Roller. OEM # 3C3Z6500AA
Valve Stem Seal	Both	1994-05	**38-173-45**	Viton. Top Hat. 0.312 Stem
	Both	1988-95	**38-844-45**	Viton. Ring And Spring.
	Both	1988-95	**38-910-25**	Polyacrylic. Umbrella.
Push Rod	Both	1988-95	**74-6608**	10.013 Length. Vin C,K,M. OEM # E3TZ6565A
	Both	1994-03	**74-6611**	10.258 Length. Vin F. OEM # F4TZ6565A
Injector Component		1988-05	**87-4376**	Injector Tube. Brass. OEM # F4TZ9F538A
Expansion Plug Kit		1988-05	**97-136SS**	Stainless Steel Kit
		1988-05	**97-173**	Steel Kit.
		1988-05	**97-173B**	Brass Kit.
LINE 134	460 C.I. (7.5L) Carb., F.I., LPG 16V Vin A,C,J,L,G		1968-97 V8	BORE - 4.36"/110.7mm
Valve	Exh	1968-72	**10-1102**	1.654 Head Dia. 5.080 OAL.
	Exh	1968-72	**10-1102+15**	1.654 Head Dia. 5.080 OAL.
	Exh	1968-72	**10-1102+3**	1.654 Head Dia. 5.080 OAL.
	Exh	1973-87	**10-1271**	1.654 Head Dia. 4.983 OAL.
	Exh	1973-87	**10-1271+3**	1.654 Head Dia. 4.983 OAL.
	Exh	1973-97	**10-1547**	1.654 Head Dia. EFI & LPG, w/ Inconel Head.
	Exh	1973-97	**10-1547+15**	1.654 Head Dia. EFI & LPG, w/ Inconel Head.
	Exh	1973-97	**10-1547+3**	1.654 Head Dia. EFI & LPG, w/ Inconel Head.
	Int	1968-72	**10-1103**	2.083 Head Dia. 5.228 OAL.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 134	460 C.I. (7.5L) Carb., F.I., LPG 16V Vin A,C,J,L,G			1968-97 V8 BORE - 4.36"/110.7mm
Valve	Int	1968-72	**10-1103+3**	2.083 Head Dia. 5.228 OAL.
	Int	1973-87	**10-1272**	2.083 Head Dia. 0.3419 Stem. 5.198 OAL.
	Int	1973-87	**10-1272+15**	2.083 Head Dia. 0.3569 Stem. 5.198 OAL.
	Int	1973-87	**10-1272+3**	2.083 Head Dia. 0.3449 Stem. 5.198 OAL.
	Int	1988-92	**10-1548**	1.977 Head Dia.
	Int	1988-97	**10-1548S**	1.977 Head Dia. 0.3419 Stem. LPG, Stellite.
	Int	1988-97	**10-1548S+3**	1.977 Head Dia. 0.3449 Stem. LPG, Stellite.
	Int	1993-97	**10-1723**	2.083 Head Dia.
Valve Seat Insert	Exh	1968-87	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1968-87	**20-1750-2N**	1 1/2 I.D.,1 3/4 O.D. 7/32 Depth. Nickel. +20 O/S Avail.
	Exh	1988-97	**20-1812-21N**	1-15/32 I.D. 1-13/16 O.D. 5/16 Depth. Use w/ 1-13/16 Cutter. Nickel
	Int	1988-97	**20-2062-30**	1-13/16 I.D. 2-1/16 O.D. 3/16 Depth. w/ 1.977 Valve Head Dia.
	Int	1968-97	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. w/ 2.083 Valve Head Dia.
	Exh	1988-97	**22-1781-1N**	1.476 I.D. 1.781 O.D. 0.311 Depth
Guide	Both	1988-97	**30-9459**	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.
	Both	1968-97	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1988-95	**32-1420**	2.114 Free Length.
	Both	1972-78	**32-961-D**	2.026 Free Length. Hi-Perf. & Police.
	Both	1972-87	**32-991**	2.068 Free Length.
Keeper	Both	1968-97	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1968-97	**36-900CCI**	Hydraulic Flat. 1-pc. Chilled Cast Iron
Valve Stem Seal	Both	1968-97	**38-1054-70**	Teflon And Rubber.
	Both	1988-97	**38-810-45**	Viton. Ring And Band. 11/32 x 0.502
	Both	1968-97	**38-915-25**	Polyacrylic. Umbrella.
	Both	1968-97	**38-925-15**	Nitrile. Ring And Band.
	Both	1968-97	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1988-97	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1988-97	**38-938-45**	Viton. Ring And Band. 11/32 x 0.562
Rocker Component	Both	1972-97	**40-2888**	Rocker Arm, Stamped w/ Oil Deflector
Rocker Kit	Both	1972-97	**41-2547**	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
Rocker Component	Both	1968-97	**42-2940**	Rocker Stud. 7/16-20 x 7/16-14 x 2.6700
Retainer	Both	1969-97	**55-4000**	1.321 O.D. 11/32 Stem
Push Rod	Both	1972-97	**74-6274**	8.550 Length
Expansion Plug Kit		1988-97	**97-21**	Steel Kit.
		1988-97	**97-21B**	Brass Kit.
LINE 135	462 C.I. (7.6L) OHV 16V			1966-68 V8 BORE - 4.38"/111.3mm
Valve Seat Insert	Exh	1966-68	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Exh	1966-68	**30-9298**	2.375 OAL. 0.373 Spiral I.D. 0.502 O.D.
	Int	1966-68	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1966-68	**32-1016**	1.960 Free Length.
Keeper	Both	1966-68	**34-613**	1 Groove. Heat Treated
Lifter	Both	1966-68	**36-2083**	Hydraulic
Valve Stem Seal	Both	1966-68	**38-905-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-905-15 Also Avail.
	Both	1966-68	**38-921-25**	Polyacrylic. 2-Ring.
Expansion Plug Kit		1966-68	**97-21**	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 135	**462 C.I. (7.6L) OHV 16V**				**1966-68 V8 BORE - 4.38"/111.3mm**
Expansion Plug Kit		1966-68	**97-21B**	Brass Kit.	
LINE 136	**473 C.I. (7.8L) 12V Turbo Diesel Brazil**				**1987-94 L6 BORE - 4.40"/111.8mm**
Valve	Exh	1987-94	**10-1758**	1.693 Head Dia.	
	Int	1987-94	**10-1757**	1.870 Head Dia.	
Valve Seat Insert	Exh	1987-94	**22-1733-2N**	1.455T I.D. 1.733 O.D. 0.365 Depth. +30 O/S Avail. CF600/800 Series	
Guide	Both	1987-94	**30-8409**	2.680 OAL	
Keeper	Both	1987-94	**34-613**	1 Groove. Heat Treated	
Valve Stem Seal	Both	1987-94	**38-403-45**	Viton. Metal Clad.	
Expansion Plug Kit		1987-94	**97-121SS**	Stainless Steel Kit	
LINE 137	**477 C.I. (7.8L) 16V Vin J,K Medium Duty**				**1958-81 V8 BORE - 4.50"/114.3mm**
Valve Seat Insert	Exh	1958-81	**22-1744-1N**	1.445 I.D 1.744 O.D. 0.312 Depth, OEM # B8QH-6057A	
Guide	Both	1958-81	**30-9609**	2.625 OAL. Spiral 0.438 I.D. 30-5609 Plain I.D. Also Avail.	
Keeper	Both	1958-81	**34-802**	1 Groove. Heat Treated	
	Both	1958-81	**34-811**	1 Square Groove. Heat Treated	
Expansion Plug Kit		1958-81	**97-27**	Steel Kit.	
		1958-81	**97-27B**	Brass Kit.	
LINE 138	**534 C.I. (8.8L) 16V Vin L Medium Duty**				**1958-81 V8 BORE - 4.50"/114.3mm**
Valve Seat Insert	Exh	1958-81	**22-1744-1N**	1.445 I.D. 1.744 O.D. 0.312 Depth, OEM # B8QH-6057A	
Guide	Both	1958-81	**30-9609**	2.625 OAL. Spiral 0.438 I.D. 30-5609 Plain I.D. Also Avail.	
Keeper	Both	1958-81	**34-802**	1 Groove. Heat Treated	
	Both	1958-81	**34-811**	1 Square Groove. Heat Treated	
Expansion Plug Kit		1958-81	**97-27**	Steel Kit.	
		1958-81	**97-27B**	Brass Kit.	

ENGINE	YEAR	CYL.	LINE NO.
153 C.I. (2.5L) GM Marine 8V		L4	**1**
181 C.I. (3.0L) GM Marine 8V		L4	**2**
230 C.I. (3.8L) GM Marine 12V		L6	**3**
250 C.I. (4.1L) GM Marine 12V		L6	**4**
283 C.I. (4.6L) GM Marine 16V		V8	**5**
302 C.I. (5.0L) GM Marine 16V		V8	**6**
305 C.I. (5.0L) GM Marine 16V		V8	**7**
307 C.I. (5.0L) GM Marine 16V		V8	**8**
327 C.I. (5.4L) GM Marine 16V		V8	**9**
350 C.I. (5.7L) GM Marine 16V		V8	**10**
454, 502 C.I. (7.4L) GM Marine 16V		V8	**11**
496 C.I. (8.1L) GM Marine Vortec 12V		V6	**12**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**153 C.I. (2.5L) GM Marine 8V**				**L4** **BORE - 3.875"/98.4mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh		**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh		**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int		**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Int		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both		**32-685-D**	2.050 Free Length. 2nd Des. Use w/o Rotator. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Valve Stem Seal	Both		**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both		**38-240-25**	Polyacrylic. O-Ring.	
	Both		**38-450-15**	Nitrile. Umbrella.	
	Both		**38-450-25**	Polyacrylic. Umbrella.	
	Both		**38-450-45**	Viton. Umbrella.	
Rocker Component	Both		**40-2844**	Rocker Arm. Stamped	
Rocker Kit	Both		**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut	
Push Rod	Both		**74-6317**	9.682 Length	
Expansion Plug Kit			**97-7B**	Brass Kit	
LINE 2	**181 C.I. (3.0L) GM Marine 8V**				**L4** **BORE - 4.00"/101.6mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh		**10-919**	1.600 Head Dia.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int		**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+15**	1.940 Head Dia. 0.3569 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth, w/ 1.500 Valve Head	
	Exh		**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.600 Valve Head.	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.720 Valve Head Dia.	
	Int		**20-2000-7**	1-13/16 I.D. 2.000 O.D. 7/32 Depth. w/ 1.940 Valve Head Dia.	
	Int		**20-2125-31**	1-13/16 I.D. 2-1/8 O.D. 7/32 Depth. w/ 1.940 Valve Head	
Guide	Exh		**30-7946**	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 2	**181 C.I. (3.0L) GM Marine 8V**				**L4 BORE - 4.00"/101.6mm**
Guide	Exh		**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.	
	Int		**30-7459**	2.375 OAL. Plain 0.3430 I.D. 0.5020 O.D. Conversion Guide	
	Int		**30-9459**	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.	
Spring	Both		**32-1268**	2.110 Free Length.	
	Both		**32-685-D**	2.050 Free Length. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-6005**	Hydraulic	
Valve Stem Seal	Both		**38-819-45**	Viton. Ring And Band.	
	Both		**38-938-25**	Polyacrylic. Ring And Band.	
	Both		**38-938-45**	Viton. Ring And Band. Use w/ 0.552 O.D. Guide	
Rocker Component	Both		**40-2844**	Rocker Arm. Stamped	
Rocker Kit	Both		**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut	
Push Rod	Both		**74-6317**	9.682 Length	
Expansion Plug Kit			**97-35B**	Brass Kit	
LINE 3	**230 C.I. (3.8L) GM Marine 12V**				**L6 BORE - 3.88"/98.4mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Spring	Both		**32-685-D**	2.050 Free Length. 2nd Des. Use w/ Rotator. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-6005**	Hydraulic	
Valve Stem Seal	Both		**38-1054-70**	Teflon And Rubber. 1986 - Early 1987 Guide Height 5.8mm	
	Both		**38-810-45**	Viton. Ring And Band. 1986 - Early 1987 Guide Height 5.8mm	
	Both		**38-938-25**	Polyacrylic. Ring And Band.	
	Both		**38-938-45**	Viton. Ring And Band.	
Rocker Component	Both		**40-2844**	Rocker Arm. Stamped	
Rocker Kit	Both		**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut	
Push Rod	Both		**74-6317**	9.682 Length	
Expansion Plug Kit			**97-7B**	Brass Kit	
LINE 4	**250 C.I. (4.1L) GM Marine 12V**				**L6 BORE - 3.88"/98.4mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh		**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int		**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both		**32-685-D**	2.050 Free Length. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-6005**	Hydraulic	
Valve Stem Seal	Both		**38-1054-70**	Teflon And Rubber. 1986 - Early 1987 Guide Height 5.8mm	
	Both		**38-240-25**	Polyacrylic. O-Ring.	
	Both		**38-450-15**	Nitrile. Umbrella.	
	Both		**38-450-25**	Polyacrylic. Umbrella.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	**250 C.I. (4.1L) GM Marine 12V**				**L6 BORE - 3.88"/98.4mm**
Valve Stem Seal	Both		**38-450-45**	Viton. Umbrella.	
	Both		**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both		**40-2844**	Rocker Arm. Stamped	
Rocker Kit	Both		**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut	
Push Rod	Both		**74-6317**	9.682 Length	
Expansion Plug Kit			**97-7B**	Brass Kit	
LINE 5	**283 C.I. (4.6L) GM Marine 16V**				**V8 BORE - 3.88"/98.4mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both		**30-5607**	2.375 OAL. Plain 0.344 I.D. 0.5020 O.D.	
	Exh		**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both		**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both		**32-685-D**	2.050 Free Length. w/ Damper	
	Both		**32-880-D**	2.030 Free Length. w/ Damper. 1.222 O.D.	
	Both		**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Valve Stem Seal	Both		**38-1054-70**	Teflon And Rubber	
	Both		**38-1090-75**	All Teflon. 11/32 x 0.500	
	Both		**38-240-25**	Polyacrylic. O-Ring.	
	Both		**38-450-15**	Nitrile. Umbrella.	
	Both		**38-450-25**	Polyacrylic. Umbrella.	
	Both		**38-450-45**	Viton. Umbrella.	
	Both		**38-810-45**	Viton. Ring And Band.	
	Both		**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both		**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both		**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both		**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both		**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both		**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both		**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both		**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Expansion Plug Kit			**97-100B**	Brass Kit	
LINE 6	**302 C.I. (5.0L) GM Marine 16V**				**V8 BORE - 4.00"/101.6mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh		**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int		**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 6	**302 C.I. (5.0L) GM Marine 16V**				**V8 BORE - 4.00"/101.6mm**
Spring	Both		**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both		**32-880-D**	2.030 Free Length. w/ Damper. Exc. 1976-77 Exh	
	Both		**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
	Both		**36-992**	Mechanical High Performance	
Valve Stem Seal	Both		**38-1054-70**	Teflon And Rubber	
	Both		**38-810-45**	Viton. Ring And Band.	
	Both		**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both		**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both		**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both		**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both		**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both		**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both		**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both		**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
LINE 7	**305 C.I. (5.0L) GM Marine 16V**				**V8 BORE - 3.74"/94.9mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh		**10-1294**	1.500 Head Dia. 0.3718T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh		**10-1294+15**	1.500 Head Dia. 0.3868T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh		**10-1294+3**	1.500 Head Dia. 0.3748T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh		**10-1294+30**	1.500 Head Dia. 0.4018T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh		**10-1294S**	1.500 Head Dia. 0.372 Stem. Stellite & Chrome Plated.	
	Exh		**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int		**10-1393**	1.840 Head Dia. 0.3413 Stem. 4.912 OAL	
	Int		**10-1393+15**	1.840 Head Dia. 0.3563 Stem. 4.912 OAL	
	Int		**10-1393+3**	1.840 Head Dia. 0.3443 Stem. 4.912 OAL	
	Int		**10-1393+30**	1.840 Head Dia. 0.3713 Stem. 4.912 OAL	
Valve Seat Insert	Exh		**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh		**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth, From S/N 4765100	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
	Int		**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth.	
Guide	Int		**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both		**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both		**32-880-D**	2.030 Free Length. Exc. 1976-77 Exh. w/ Damper	
	Both		**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
	Exh		**32-1038-D**	1.910 Free Length. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Valve Stem Seal	Both		**38-1045-70**	Viton. Ring And Band.	
	Both		**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both		**38-240-25**	Polyacrylic. O-Ring.	
	Both		**38-810-45**	Viton. Ring And Band.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 7	**305 C.I. (5.0L) GM Marine 16V**				**V8** **BORE - 3.74"/94.9mm**
Valve Stem Seal	Both		**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both		**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both		**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both		**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both		**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both		**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both		**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both		**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Expansion Plug Kit			**97-100B**	Brass Kit	
LINE 8	**307 C.I. (5.0L) GM Marine 16V**				**V8** **BORE - 3.88"/98.4mm**
Valve	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int		**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+15**	1.940 Head Dia. 0.3164 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.720 Valve Head Dia.	
	Int		**20-2000-7**	1-13/16 I.D. 2.000 O.D. 7/32 Depth. w/ 1.940 Valve Head Dia.	
	Int		**20-2125-31**	1-13/16 I.D. 2-1/8 O.D. 7/32 Depth. w/ 1.940 Valve Head	
Guide	Both		**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both		**32-1038-D**	1.910 Free Length. w/ Damper	
	Both		**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both		**32-880-D**	2.030 Free Length. Exc. 1972-73 Exh. w/ Damper	
	Both		**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Valve Stem Seal	Both		**38-1045-70**	Viton. Ring And Band.	
	Both		**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both		**38-810-45**	Viton. Ring And Band.	
Rocker Component	Both		**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both		**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
Rocker Component	Both		**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Expansion Plug Kit			**97-100**	Steel Kit.	
			97-100B	Brass Kit.	
LINE 9	**327 C.I. (5.4L) GM Marine 16V**				**V8** **BORE - 4.00"/101.6mm**
Valve	Exh		**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh		**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int		**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+15**	1.940 Head Dia. 0.3164 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 9	**327 C.I. (5.4L) GM Marine 16V**				**V8 BORE - 4.00"/101.6mm**
Valve Seat Insert	Exh		**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh		**30-5607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Exh		**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int		**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both		**32-685-D**	2.050 Free Length. w/ Damper	
	Both		**32-880-D**	2.030 Free Length. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Rocker Component	Both		**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both		**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
Rocker Component	Both		**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Expansion Plug Kit			**97-100**	Steel Kit.	
			97-100B	Brass Kit.	
LINE 10	**350 C.I. (5.7L) GM Marine 16V**				**V8 BORE - 4.00"/101.6mm**
Valve	Exh		**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh		**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh		**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh		**10-1294S**	1.500 Head Dia. 0.372 Stem. Stellite & Chrome Plated.	
	Exh		**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face	
	Exh		**10-1807S**	1.500 Head Dia. Stellite. 4.920 OAL. 1 Groove	
	Int		**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int		**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+15**	1.940 Head Dia. 0.3164 Stem. 4.880 OAL. Chrome Plated.	
	Int		**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.	
Valve Seat Insert	Exh		**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh		**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. LPG, Nickel	
	Exh		**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int		**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
	Int		**20-2000-7**	1-13/16 I.D. 2.000 O.D. 7/32 Depth. w/ 1.940 Valve Head Dia.	
	Int		**20-2125-31**	1-13/16 I.D. 2-1/8 O.D. 7/32 Depth	
Guide	Both		**30-8180**	0.3430 I.D.,0.5577 O.D.,2.275 Length,Aluminum Heads,	
	Exh		**30-7946**	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.	
	Exh		**30-7999**	2.200 OAL. w/ Replaceable Exh. Guide. Use Caution When Removing Stepped O.D.	
	Exh		**30-9107**	2.250 OAL. Spiral 0.374 I.D. 0.502 O.D.	
	Exh		**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.	
	Int		**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both		**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both		**32-880-D**	2.030 Free Length. Exc. 1973-80 Exh. w/ Damper	
	Both		**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
	Exh		**32-1038-D**	1.910 Free Length. w/ Damper	
Keeper	Both		**34-555**	1 Square Groove. Heat Treated	
Lifter	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both		**37-4003**	Rotator. OEM # 14042575	
Valve Stem Seal	Both		**38-1045-70**	Viton. Ring And Band.	
	Both		**38-1054-70**	Teflon And Rubber	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 10	**350 C.I. (5.7L) GM Marine 16V**				V8 BORE - 4.00"/101.6mm
Valve Stem Seal	Both		**38-1066-75**	All Teflon. 11/32 x 0.530	
	Both		**38-1090-75**	All Teflon. 11/32 x 0.500	
	Both		**38-240-25**	Polyacrylic. O-Ring.	
	Both		**38-450-15**	Nitrile. Umbrella.	
	Both		**38-450-25**	Polyacrylic. Umbrella.	
	Both		**38-450-45**	Viton. Umbrella.	
	Both		**38-810-45**	Viton. Ring And Band.	
	Both		**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both		**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both		**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both		**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both		**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both		**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both		**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both		**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Expansion Plug Kit			**97-100**	Steel Kit.	
			97-100B	Brass Kit.	
LINE 11	**454, 502 C.I. (7.4L) GM Marine 16V**				V8 BORE - 4.25"/108.0mm
Valve	Exh		**10-1261S**	1.720 Head Dia. Stellite.	
	Exh		**10-1578S**	1.720 Head Dia. Stellite. Inconel Head	
	Exh		**10-1578SP**	1.720 Head Dia. Inconel, Stellite, Nitrided. For Natl. Gas. 45 Deg.	
	Int		**10-1164**	2.190 Head Dia. 454 From S/N 4501641 To S/N 4623114	
Valve Seat Insert	Exh		**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 7/32 Depth. Nickel	
	Exh		**20-2000-3N**	1-5/8 I.D. 2.000 O.D. 19/64 Depth. Universal O/S To Replace Exh. Nickel	
	Int		**20-2250-35**	1-5/16 I.D. 2-1/4 O.D. 7/32 Depth	
Guide	Both		**30-1973**	2.420 OAL	
	Exh		**30-1972**	2.630 OAL. Use Caution When Removing Stepped O.D.	
Spring	Both		**32-1009**	2.120 Free Length. Double Spring	
	Both		**32-864-D**	2.050 Free Length. w/ Damper	
Keeper	Both		**34-613**	1 Groove. Heat Treated	
Lifter	Both		**36-2279**	Hydraulic Roller	
	Both		**36-2279G**	Lifter Guide, Dogbone Type	
	Both		**36-6005**	Hydraulic. Gen. V	
	Both		**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
	Both		**36-992**	Mechanical High Performance	
Rotator	Both		**37-1046**	Rotator. OEM # 14081046	
Valve Stem Seal	Both		**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both		**38-910-25**	Polyacrylic. Umbrella.	
	Both		**38-921-25**	Polyacrylic. 2-Ring.	
Rocker Component	Both		**40-2867**	Rocker Arm. Stamped. 1.72 Ratio	
	Both		**40-2868**	Rocker Arm, BBC 1.72 Long Slot w/.560 Lift	
Rocker Kit	Both		**41-2504**	1 40-2867, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball	
Push Rod	Exh		**74-6442**	9.252 Length. 1st Des. 3/8 Dia.	
	Int		**74-6441**	8.280 Length. 1st Des. 3/8 Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 11	**454, 502 C.I. (7.4L) GM Marine 16V**				**V8** **BORE - 4.25"/108.0mm**
Expansion Plug Kit			**97-10**	Steel Kit.	
			97-10B	Brass Kit.	
LINE 12	**496 C.I. (8.1L) GM Marine Vortec 12V**				**V6** **BORE - 4.25"/108.0mm**
Valve	Exh		**10-2126S**	1.720 Head Dia. Inconel	
	Int		**10-1164**	2.190 Head Dia. Stainless Option	
	Int		**10-2101**	2.187 Head Dia.	
Valve Seat Insert	Int		**20-2250-1**	1-15/16 I.D. (Non-Tapered) 2-1/4 O.D. 3/16 Depth. Machine I.D. To Fit	
	Exh		**22-1784-1N**	1.417T I.D. 1.7845 O.D. 0.292 Depth. w/ Factory Installed Exh. Seat. May Need Depth Change.	
	Exh		**22-1784-2N**	Same as 22-1781-1N w/ straight I.D.	
Guide	Exh		**30-3024**	2.610 OAL. Replaces Integral Guide. Remove From Combustion Side.	
	Exh		**30-3024SA**	0.3735 I.D. 0.6203 O.D. 2.620 OAL Special Alloy	
	Int		**30-3025**	2.250 OAL. Replaces Integral Guide.	
Spring	Both		**32-2522**	2.212 Free Length. Conical	
Keeper	Both		**34-613**	1 Square Groove. Heat Treated	
Lifter	Both		**36-2279**	Hydraulic Roller	
	Both		**36-2279G**	Lifter Guide, Dogbone Type	
Rotator	Both		**37-2899**	Rotator. OEM # 10240899	
Valve Stem Seal	Both		**38-811-55**	Viton. Metal Clad.	
Rocker Component	Both		**40-9111**	Rocker Arm, Stamped	
Push Rod	Exh		**74-6639**	9.132 Length	
	Int		**74-6638**	8.190 Length.	

ENGINE	YEAR	CYL.	LINE NO.
993cc (1.0L) SOHC G10 6V Vin 2,5,M (Suzuki)	1985-88	L3	**1**
993cc (1.0L) SOHC G10 6V Vin 2,6 (Suzuki)	1989-00	L3	**2**
995cc (1.0L) SOHC 8V LA2,L11	2004-15	L4	**3**
1.0L 12V DOHC T L4F/H	2019-24	L3	**4**
73 CI (1.2L) DOHC 12V TRB Vin 2 LIH	2020-25	L3	**5**
1.2L (76 C.I). DOHC 16V Vin 9	2010-20	L4	**6**
1295cc (1.3L) SOHC 8V G13A Vin 2,9 (Suzuki)	1992-01	L4	**7**
83 C.I. (1.3L) DOHC 12V L3T	2020-25	L3	**8**
83 C.I. (1.4L) DOHC 16V Vin 9,B,C Ecotec TRB	2011-21	L4	**9**
1389cc (1.4L) DOHC 16V (non-USA) X/Z14XE	2002-05	L4	**10**
85 C.I. (1.4L) SOHC 8V Vin I	1976-77	L4	**11**
1399cc (1.4L) LCU (non-USA)	2010-18	L4	**12**
85 C.I. (1.4L) DOHC 16V Vin 4,A,P,M	2011-22	L4	**13**
1.4L C14SE (non-USA) SOHC 8V	1982-03	L4	**14**
85 C.I. (1.4L) 8V SOHC (Non-USA) Vin 2 C14SE/NZ	1994-03	L4	**15**
1468cc (1.5L) SOHC 8V 4G15 (Mitsubishi)	1987-90	L4	**16**
1471cc (1.5L) SOHC 8V 4XC1/T (Isuzu) Vin 7,K,9	1985-89	L4	**17**
91 C.I. (1.5L) DOHC 16V Vin 5,T,V	2016-23	L4	**18**
1588cc (1.6L) SOHC 8V 4ALC (Toyota) Vin 4	1985-88	L4	**19**
1588cc (1.6L) DOHC 16V 4AGE (Toyota) Vin 5	1988-92	L4	**20**
1588cc (1.6L) SOHC 8V Korean Vin 6	1988-93	L4	**21**
1588cc (1.6L) DOHC 16V 4AF, AFE (Toyota) Vin 5, 6	1989-97	L4	**22**
1588cc (1.6L) SOHC 12V (4XE1V Isuzu) Vin 6	1990-93	L4	**23**
1588cc (1.6L) SOHC 16V G16KV (Suzuki) Vin 6	1994-02	L4	**24**
1588cc (1.6L) DOHC 16V (4XE1W Isuzu) Vin 5	1990-91	L4	**25**
1590cc (1.6L) SOHC 8V G16KC (Suzuki) Vin U	1989-95	L4	**26**
98 C.I. (1.6L) DOHC 16V Vin 6,N E-Tec	2004-08	L4	**27**
1598cc (1.6L) DOHC 16V Vin E LXV	2009-11	L4	**28**
98 CI (1.6L) DOHC 16V Vin 5 LWC	2016-19	L4	**29**
98 C.I. (1.6L) SOHC 8V C16N2/E (Non-USA)	1996-09	L4	**30**
98 C.I. (1.6L) SOHC Chevette 8V Vin 9, C, E	1976-87	L4	**31**
1788cc (1.8L) DOHC 16V 7AFE (Toyota) Vin 8	1993-97	L4	**32**
1794cc (1.8L) DOHC 16V 1ZZFE (Toyota) Vin 8	1998-08	L4	**33**
1795cc (1.8L) DOHC 16V 2ZZGE (Toyota) Vin L	2003-06	L4	**34**
1796cc (1.8L) SOHC 8V C18NZ, N18XF (non-USA)	2003-15	L4	**35**
1796cc (1.8L) DOHC 16V Vin 5,G,H,U	2010-19	L4	**36**
1798cc (1.8L) DOHC 16V Vin 8 (2ZRFE Toyota)	2009-10	L4	**37**
1799cc (1.8L) DOHC 16V X18X, Z18X (Non-USA)	2000-06	L4	**38**
1809cc (1.8L) DOHC 16V 4XF1 (Isuzu) Vin 8	1992-93	L4	**39**
1817cc (1.8L) SOHC 8V Isuzu G180Z Vin B, N	1972-82	L4	**40**
1819cc (1.8L) OHV 8V Diesel 4FB1 (Isuzu) Vin D	1981-86	L4	**41**
112 C.I. (1.8L) OHV 8V Chev. Vin G	1982-82	L4	**42**
112 C.I. (1.8L) SOHC 8V Pontiac (Brazil) Vin 0, J	1982-86	L4	**43**
116 C.I. (1.9L) SOHC 8V Saturn Vin 8, 9	1991-02	L4	**44**
116 C.I. (1.9L) DOHC 16V Saturn Vin 7	1991-02	L4	**45**
1949cc (1.9L) SOHC 8V G200Z (Isuzu) Vin A	1982-85	L4	**46**
122 C.I. (2.0L) OHV 8V Chev. Vin B, P, Y	1983-86	L4	**47**
122 C.I. (2.0L) OHV 8V Chev. Vin 1	1987-89	L4	**48**
1995cc (2.0L) DOHC 16V J20 Vin C (Suzuki)	1999-03	L4	**49**
122 C.I. (2.0L) DOHC 16V Vin 3 L0A (Nissan)	2015-18	L4	**50**
1998cc (2.0L) SOHC 8V Opel C20NE (Non-USA)	2004-06	L4	**51**
122 C.I. (2.0L) DOHC 16V Vin X LTG	2013-23	L4	**52**
122 C.I. (2.0L) DOHC 16V Vin 4 LSY	2020-24	L4	**53**
122 C.I. (2.0L) DOHC 16V Vin M,P,V,X	2004-16	L4	**54**

122 C.I. (2.0L) SOHC 8V Vin H,K,M Pontiac TRB	1987-94	L4	**55**
122 C.I. (2.0L) DOHC 16V E-TEC II Vin Z	2004-07	L4	**56**
134 C.I. (2.2L) OHV 8V Vin 4,5,G,H Chevy Flex	1990-03	L4	**57**
2198cc (2.2L) SOHC 8V C22NE	1999-05	L4	**58**
134 C.I (2.2L) DOHC 16V Vin 2,6,B,D,F,H Ecotec	2000-11	L4	**59**
2238cc (2.2L) OHV 8V Diesel (Isuzu) Vin S	1981-84	L4	**60**
2254cc (2.3L) SOHC 8V 4ZD1 (Isuzu)	1996-98	L4	**61**
140, 145, 164 C.I. Corvair	1960-69	L6	**62**
138 C.I. (2.3L) DOHC 16V Olds Quad 4 Vin A	1987-95	L4	**63**
138 C.I. (2.3L) DOHC 16V Olds Quad 4 Vin A	1989-94	L4	**64**
138 C.I (2.3L) SOHC 8V Vin 3	1992-94	L4	**65**
140 C. I. (2.3L) SOHC 8V Vin A,B	1971-77	L4	**66**
2362cc (2.4L) DOHC 16V (Toyota) 2AZFE	2009-10	L4	**67**
145 C.I. (2.4L) DOHC 16V Vin 5,B,C,P,R,K Ecotec	2006-17	L4	**68**
145 C.I. (2.4L) DOHC 16V Quad Vin T	1996-02	L4	**69**
2409cc (2.4L) DOHC 16V Z24XE (non-USA)	2004-08	L4	**70**
153 C.I. (2.5L) DOHC 16V Vin A,L LCV	2013-22	L4	**71**
2494cc (2.5L) DOHC 24V H25A (Suzuki) Vin 4	1999-04	V6	**72**
151 C.I. (2.5L) OHV 8V Pontiac Vin 1,2,5,9	1977-93	L4	**73**
153 C.I. (2.5L) OHV 8V Chev.	1962-70	L4	**74**
166 C.I. (2.7L) DOHC 16V Vin K,L L3B	2019-25	L4	**75**
169 C.I. (2.8L) DOHC 16V Vortec Vin 8	2004-06	L4	**76**
170 C.I. (2.8L) DOHC 24V Vin 1,4,6,T	2005-11	V6	**77**
171 C.I. (2.8L) DOHC 16V Vin 1 LWN D TRB	2016-22	L4	**78**
173 C.I. (2.8L) OHV 12V Chev. Vin 179BLRSWXZ	1980-93	V6	**79**
2921cc (2.9L) DOHC 16V Vin 9	2007-12	L4	**80**
181 C.I. (3.0L) OHV 12V Buick Vin E,L	1982-88	V6	**81**
183 C.I. (3.0L) Diesel DOHC 24V Vin 8,T TRB	2020-25	L6	**82**
2997cc (3.0L) DOHC 24V Vin 5,G,Y	2010-14	V6	**83**
182 C.I. (3.0L) DOHC 24V Vin 6,W	2016-25	V6	**84**
181 C.I. (3.0L) DOHC 24V Vin B,R F.I.	1997-05	V6	**85**
189 C.I. (3.1L) OHV 12V Chev. Vin D,T,V,W	1988-95	V6	**86**
189 C.I. (3.1L) OHV 12V Chev. Vin J, M	1993-05	V6	**87**
194 C.I. (3.2L) OHV 12V Chev.	1962-67	L6	**88**
195 C.I. (3.2L) OHV 8V	1961-63	L4	**89**
197 C.I. (3.2L) DOHC 24V Cad. Vin N	2003-05	V6	**90**
196 C.I. (3.2L) OHV 12V Buick Vin C	1978-79	V6	**91**
200 C.I. (3.3L) OHV 12V Chev. Vin M	1978-79	V6	**92**
204 C.I. (3.3L) OHV 12V Buick Vin N	1989-93	V6	**93**
207 C.I. (3.4L) DOHC 24V Vin X	1991-97	V6	**94**
207 C.I. (3.4L) OHV 12V Vin E,F,S,8	1993-09	V6	**95**
3471cc (3.5L) SOHV 24V (Honda) J35	2004-07	V6	**96**
213 C.I. (3.5L) OHV 12V Vin 8,L	2004-07	V6	**97**
211 C.I. (3.5L) DOHC 20V Vortec Vin 6	2004-06	L5	**98**
214 C.I. (3.5L) DOHC 24V Vin H	1999-02	V6	**99**
214 C.I. (3.5L) OHV 12V VVT Vin K,N	2006-11	V6	**100**
215 C.I (3.5L) OHV 16V Buick	1961-63	V8	**101**
215 C.I. (3.5L) OHV 12V Pontiac	1964-65	L6	**102**
217 C.I. (3.5L) OHV 12V Chev.	1937-53	L6	**103**
217 C.I. (3.6L) DOHC 24V Vin 378BDPVWY	2004-24	V6	**104**
222 C.I. (3.6L) DOHC 24V Vin S LGX/Z	2017-25	V6	**105**
223 C.I. (3.7L) DOHC 20V VVT Vin E	2007-12	L5	**106**
224 C.I. (3.7L) OHV 16V	1955-56	V8	**107**
225 C.I. (3.7L) OHV 12V Buick	1964-67	V6	**108**
228 C.I. (3.7L) OHV 12V	1940-53	L6	**109**
229 C.I. (3.8L) OHV 12V Chev. Vin 9, K	1980-84	V6	**110**

230 C.I. (3.8L) SOHC 12V	1966-67	L6	**111**
230 C.I. (3.8L) OHV 12V Chev. Vin S	1963-70	L6	**112**
231 C.I. (3.8L) OHV 12V Buick Vin ABCGKL1234789	1975-09	V6	**113**
235 C.I. (3.8L) OHV 12V Chev.	1941-62	L6	**114**
237 C.I. (3.9L) OHV 12V VVT Vin 1,M,W	2006-11	V6	**115**
238, 248, 263 C.I. Buick OHV	1941-55	V8	**116**
239 C.I. (3.9L) OHV 8V TRB D Cummins Vin L	1989-91	L4	**117**
244 C.I. (4.0L) DOHC 32V Northstar Vin C	1995-03	V8	**118**
250 C.I. (4.1L) OHV 12V Pontiac	1968-69	L6	**119**
250 C.I. (4.1L) OHV 12V Chev. Vin CDLNPQS	1966-84	L6	**120**
252 C.I. (4.1L) OHV 12V Buick Vin 4	1980-84	V6	**121**
250 C.I. (4.1L) OHV 16V Cadillac Vin 7, 8	1982-88	V8	**122**
255 C.I (4.2L) DOHC 32V LTA Blackwing	2019-20	V8	**123**
256 C.I. (4.2L) DOHC 24V Vin S,X Vortec	2002-09	L6	**124**
259 C.I. (4.2L) OHV 16V	1955-64	V8	**125**
260 C.I. (4.3L) OHV 16V Olds Vin 8, F	1975-82	V8	**126**
260 C.I. (4.3L) OHV 12V Olds Diesel Vin T, V	1982-85	V6	**127**
261, 265 C.I. (4.3L) Chev.	1954-62	V8	**128**
262 C.I. (4.3L) OHV 16V Carb. Chev. Vin G	1975-76	V8	**129**
262 C.I. (4.3L) OHV 12V Vin B,N X,W,Z	1985-14	V6	**130**
262 C.I. (4.3L) OHV 12V Vin H,P	2014-25	V6	**131**
265 C.I. (4.3L) OHV 16V Pontiac Vin S	1980-81	V8	**132**
265 C.I. (4.3L) OHV 16V Chev. Hi-Perf. Vin W	1994-96	V8	**133**
267 C.I. (4.4L) OHV 16V Chev. Vin J	1979-82	V8	**134**
267 C.I. (4.4L) DOHC 32V Vin D	2006-09	V8	**135**
270 C.I. (4.4L) OHV 12V	1941-63	L6	**136**
273 C.I. (4.5L) OHV 16V Cadillac Vin 3,5,8	1988-92	V8	**137**
281 C.I. (4.6L) DOHC 32V Northstar Vin A,S,Y,9	1993-11	V8	**138**
283 C.I. (4.6L) OHV 16V Chev.	1955-67	V8	**139**
288 C.I. (4.7L) OHV 16V	1955-55	V8	**140**
289 C.I. (4.7L) OHV 16V	1956-59	V8	**141**
292 C.I. (4.8L) OHV 12V Chev. Vin S, T	1963-89	L6	**142**
4752cc (4.8L) SOHC 16V Diesel 4HE1 (Isuzu) TRB	1999-04	L4	**143**
294 C.I. (4.8L) OHV 16V Vin 2ACV Vortec	1999-17	V8	**144**
300 C.I. (4.9L) OHV 16V Buick	1964-67	V8	**145**
300 C.I. (4.9L) OHV 16V Cadillac Vin B	1991-95	V8	**146**
301 C.I. (4.9L) OHV 16V Pontiac Vin W,Y,T TRB	1977-81	V8	**147**
302 C.I. (5.0L) 12V	1952-59	L6	**148**
302 C.I. (5.0L) OHV 16V Chev. 16V	1967-69	V8	**149**
303 C.I. (5.0L) OHV 16V	1950-53	V8	**150**
305 C.I. (5.0L) Chev. 16V Vin 7,E,F,G,H,M,Q,S,U	1976-02	V8	**151**
305 C.I. (5.0L) 12V GMC Vin A, B, C, D, E	1960-69	V6	**152**
307 C.I. (5.0L) OHV 16V Vin ABCDEFHMNP7	1968-73	V8	**153**
307 C.I. (5.0L) OHV 16V Vin 9 (H.O.),Y	1980-90	V8	**154**
316 C.I. (5.2L) OHV 16V	1955-56	V8	**155**
317 C.I. (5.2L) SOHC 16V 4HK1 Diesel (Isuzu)	2005-12	L4	**156**
322 C.I. (5.3L) OHV 16V	1956-59	V8	**157**
324 C.I. (5.3L) OHV 16V	1954-56	V8	**158**
325 C.I. (5.3L) OHV 16V Vin 0137BCJMPTZ (Vortec)	1999-14	V8	**159**
325 C.I. (5.3L) OHV 16V Vin CDFR	2014-24	V8	**160**
326 C.I. (5.3L) OHV 16V Pontiac	1963-67	V8	**161**
327 C.I. (5.4L) OHV 16V Chev. Vin E,H,J	1962-69	V8	**162**
330 C.I. (5.4L) OHV 16V Olds	1964-67	V8	**163**
331, 365, 390 C.I. Cadillac	1949-63	V8	**164**
337 C.I. (5.5L) OHV 16V	1958-59	V8	**165**
340 C.I. (5.6L) OHV 16V Buick	1966-67	V8	**166**

346 C.I. (5.7L) Cadillac	1946-48	V8	**167**
347 C.I. (5.7L) OHV 16V	1957-58	V8	**168**
348 C.I. (5.7L) OHV 16V	1958-65	V8	**169**
350 C.I. (5.7L) OHV 16V Chev. Vin 5678GKLMPRSW	1967-05	V8	**170**
350 C.I. (5.7L) OHV 16V Pontiac K,P	1968-77	V8	**171**
350 C.I. (5.7L) OHV 16V Olds Vin B, R, 8	1968-80	V8	**172**
350 C.I. (5.7L) OHV 16V Buick H, J, X	1968-81	V8	**173**
350 C.I. (5.7L) OHV 16V Olds Diesel Vin N,Z	1978-85	V8	**174**
351 C.I. (5.8L) OHV 12V Vin C, E, M	1960-72	V6	**175**
364 C.I (6.0L) OHV 16V Vortec Vin 25BGHKNUY	1999-20	V8	**176**
366 C.I. (6.0L) OHV 16V Vin E,L,N,P	1966-98	V8	**177**
368 C.I. (6.0L) OHV 16V Cadillac Carb./F.I. Vin 6, 9	1980-84	V8	**178**
370 C.I. (6.1L) OHV 16V GMC	1957-59	V8	**179**
370 C.I. (6.1L) OHV 16V Pontiac	1958-58	V8	**180**
376 C.I. (6.2L) OHV/DOHC 16V VVT Vin FJPRTW246789	2007-25	V8	**181**
379 C.I. (6.2L) OHV 12V	1973-75	V6	**182**
381 C.I. (6.2L) OHV 16V Diesel Vin C, J	1982-93	V8	**183**
389 C.I. (6.4L) OHV 16V Pontiac	1959-66	V8	**184**
395 C.I. (6.5L) OHV 16V D TRB Vin F,P,S,Y,Z	1992-04	V8	**185**
396/400/402 C.I. Chev. Big Block 16V Vin E,K,S,U	1965-72	V8	**186**
400 C.I. (6.6L) Small Block OHV 16V Vin MNRSUX	1970-80	V8	**187**
400, 401 C.I. (6.6L) Buick 16V	1959-69	V8	**188**
400 C.I. (6.6L) Olds 16V	1965-69	V8	**189**
400 C.I. (6.6L) Pontiac 16V Vin N,P,R,S,T,X,Y,Z	1967-79	V8	**190**
401 C.I. (6.6L) OHV 16V L8T Vin 7	2020-22	V8	**191**
6.6L (403 C.I.) OHV 32V Duramax Vin 12368DLY D	2001-25	V8	**192**
401 C.I. (6.6L) OHV 12V Vin M	1966-73	V6	**193**
403 C.I. (6.6L) OHV 16V Olds Vin K	1977-79	V8	**194**
409 C.I. (6.7L) OHV 16V Chev.	1961-65	V8	**195**
421 C.I. (6.9L) OHV 16V Pontiac	1963-66	V8	**196**
425 C.I. (7.0L) OHV 16V Cadillac Vin S, T	1977-79	V8	**197**
425 C.I. (7.0L) OHV 16V Olds	1965-67	V8	**198**
427 C.I. (7.0L) OHV 16V Chev. Incl. Perf.	1966-69	V8	**199**
427 C.I. (7.0L) 16V Medium and Heavy Duty	1968-98	V8	**200**
427 C.I. (7.0L) OHV 16V Vin E LS7	2006-15	V8	**201**
428 C.I. (7.0L) OHV 16V Pontiac	1967-69	V8	**202**
429 C.I. (7.0L) Carb. 16V Cadillac	1964-67	V8	**203**
430 C.I. (7.0L) Buick 16V	1967-69	V8	**204**
432 C.I. (7.1L) OHV 12V	1973-75	V6	**205**
454 C.I. (7.4L) 16V Light Duty Vin BJNSVWXYZ	1970-00	V8	**206**
454 C.I. (7.4L) 16V Medium Duty Vin S,W	1979-81	V8	**207**
455 C.I. (7.5L) OHV 16V Olds Vin R,S,T	1968-76	V8	**208**
455 C.I. (7.5L) OHV 16V Buick Vin PRTUVW	1970-76	V8	**209**
455 C.I. (7.5L) OHV 16V Pontiac Vin UVWXY	1970-76	V8	**210**
472 C.I. (7.7L) OHV 16V Cadillac Vin R	1968-74	V8	**211**
7780cc (7.8L) SOHC 24V 6HK1 Diesel (Isuzu) Vin 3,B	1999-09	L6	**212**
478 C.I. (7.8L) Diesel 12V	1961-74	V6	**213**
478 C.I. (7.8L) Gas 12V	1962-65	V6	**214**
478 C.I. (7.8L) 12V Vin M	1973-75	V6	**215**
496 C.I. (8.1L) OHV 16V Vortec Vin G	2001-09	V8	**216**
500 C.I. (8.2L) OHV 16V Cadillac Vin S	1970-76	V8	**217**
637 C.I. (10.4L) OHV 16V	1966-72	V8	**218**
702 C.I. (11.6L) 24V	1960-65	V12	**219**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**993cc (1.0L) SOHC G10 6V Vin 2,5,M (Suzuki)**			**1985-88 L3**	**BORE - 2.91"/74.0mm**
Valve	Exh	1985-88	**10-10102S**	1.181 Head Dia.	
	Int	1985-88	**10-10103**	1.417 Head Dia.	
Valve Seat Insert	Exh	1985-88	**21-1375-64**	1.000 I.D. 1-3/8 O.D. 0.280 Depth.	
Guide	Both	1985-88	**30-8016**	1.895 OAL.	
Keeper	Both	1985-88	**34-5009**	1 Round Bead. 0.274 Stem	
Valve Stem Seal	Both	1985-88	**38-700-45**	Viton. Metal Clad.	
LINE 2	**993cc (1.0L) SOHC G10 6V Vin 2,6 (Suzuki)**			**1989-00 L3**	**BORE - 2.91"/74.0mm**
Valve	Exh	1989-00	**10-10170**	1.102 Head Dia.	
	Int	1989-00	**10-10169**	1.378 Head Dia.	
Valve Seat Insert	Exh	1989-00	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
	Int	1989-00	**21-1500-77**	1.175T I.D. 1-1/2 O.D. 0.236 Depth.	
Guide	Both	1989-00	**30-8324**	1.260 OAL	
Keeper	Both	1989-00	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	1989-00	**36-2272**	Hydraulic Bucket	
Valve Stem Seal	Both	1989-00	**38-701-45**	Viton. Metal Clad.	
LINE 3	**995cc (1.0L) SOHC 8V LA2,L11**			**2004-15 L4**	**BORE - 2.70"/68.5mm**
Valve	Exh	2004-15	**10-03034**	1.252 Head Dia.	
	Int	2004-15	**10-03033**	1.401 Head Dia.	
Guide	Both	2004-15	**30-3256**	1.766 OAL.	
Valve Stem Seal	Both	2004-15	**38-701-45**	Viton. Metal Clad	
LINE 4	**1.0L 12V DOHC T L4F/H**			**2019-24 L3**	**BORE - 2.914"/74mm**
Valve	Exh	2019-24	**10-30853**	0.958 Head Dia. 0.195 Stem. 4.012 OAL. OEM # 55496632	
	int	2019-24	**10-30854**	1.193 Head Dia. 0.195 Stem. 3.697 OAL. OEM # 55496633	
LINE 5	**73 CI (1.2L) DOHC 12V TRB Vin 2 LIH**			**2020-25 L3**	**BORE - 2.95"/74.9mm**
Valve	Exh	2020-25	**10-30853**	0.958 Head Dia. 0.195 Stem. 4.012 OAL. OEM # 55496632	
	Int	2020-25	**10-30854**	1.193 Head Dia. 0.195 Stem. 3.697 OAL. OEM # 55496633	
Keeper	Both	2020-25	**34-5033**	3 Round Beads. 0.196 Stem Dia.	
Rocker Component	Both	2020-25	**40-2920**	Cam Follower	
LINE 6	**1.2L (76 C.I). DOHC 16V Vin 9**			**2010-20 L4**	**BORE - 2.78"/70.5mm**
Valve	Exh	2011-20	**10-30851**	0.925 Head Dia. 0.195 Stem. 3.925 OAL	
	Int	2011-20	**10-30852**	1.106 Head Dia. 0.196 Stem. 3.906 OAL	
LINE 7	**1295cc (1.3L) SOHC 8V G13A Vin 2,9 (Suzuki)**			**1992-01 L4**	**BORE - 2.91"/74.0mm**
Valve	Exh	1992-97	**10-10102S**	1.181 Head Dia. 0.274 Stem	
	Exh	1998-01	**10-10517**	0.986 Head Dia. 0.215 Stem	
	Int	1992-97	**10-10103**	1.417 Head Dia. 0.274 Stem	
	Int	1998-01	**10-10516**	1.149 Head Dia. 0.215 Stem	
Valve Seat Insert	Exh	1998-01	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Exh	1992-97	**21-1375-64**	1.000 I.D. 1-3/8 O.D. 0.280 Depth.	
Guide	Both	1992-97	**30-8016**	1.895 OAL.	
	Both	1998-01	**30-8324**	1.260 OAL	
Keeper	Both	1998-01	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
	Both	1992-97	**34-5009**	1 Round Bead. 0.274 Stem	
Lifter	Both	1995-97	**36-2254**	Metro. Hydraulic	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 7	**1295cc (1.3L) SOHC 8V G13A Vin 2,9 (Suzuki)**				**1992-01 L4 BORE - 2.91"/74.0mm**
Valve Stem Seal	Both	1992-97	**38-700-45**	Viton. Metal Clad.	
	Both	1998-01	**38-701-45**	Viton. Metal Clad.	
LINE 8	**83 C.I. (1.3L) DOHC 12V L3T**				**2020-25 L3 BORE - 3.11"/79.0mm**
Keeper	Both	2020-25	**34-5033**	3 Round Beads. 0.196 Stem Dia.	
Rocker Component	Both	2020-21	**40-2920**	Cam Follower	
LINE 9	**83 C.I. (1.4L) DOHC 16V Vin 9,B,C Ecotec TRB**				**2011-21 L4 BORE - 2.85"/72.5mm**
Valve	Exh	2011-21	**10-13368S**	0.984 Head Dia.	
	Int	2011-21	**10-13367**	1.102 Head Dia.	
Guide	Both	2011-21	**30-3179**	1.460 OAL. 0.1966 I.D.	
	Both	2011-21	**30-3213**	Alternate 1.540 OAL. 0.1966 I.D. 0.3952 O.D.	
Spring	Both	2011-21	**32-5029**	1.665 Free Length.	
Keeper	Both	2011-21	**34-5033**	3 Round Beads. 0.196 Stem Dia.	
Lifter	Both	2011-21	**36-7117**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2011-21	**38-6137-55**	Viton. Metal Clad	
Rocker Component	Both	2011-21	**40-1339**	Cam follower	
LINE 10	**1389cc (1.4L) DOHC 16V (non-USA) X/Z14XE**				**2002-05 L4 BORE - 3.06"/77.6mm**
Valve	Exh	2002-05	**10-30119**	1.083 Head Dia. 0.234 Stem. 3G	
	Int	2002-05	**10-30118**	1.220 Head Dia. 0.234 Stem. 3G	
LINE 11	**85 C.I. (1.4L) SOHC 8V Vin I**				**1976-77 L4 BORE - 3.23"/82.0mm**
Valve Seat Insert	Exh	1976-77	**20-1375-1**	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.	
	Int	1976-77	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
Keeper	Both	1976-77	**34-217**	0.311 Stem Dia. 1 Round Groove. Heat Treated	
Lifter	Both	1976-77	**36-2056**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1976-77	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.	
	Exh	1976-77	**38-936-45**	Viton. Ring And Band.	
	Int	1976-77	**38-935-45**	Viton. Ring And Band.	
Expansion Plug Kit		1976-77	**97-65**	Steel Kit.	
		1976-77	**97-65B**	Brass Kit.	
LINE 12	**1399cc (1.4L) LCU (non-USA)**				**2010-18 L4 BORE - 3.59"/91.1mm**
Valve	Exh	2010-18	**10-30166**	0.9710 Head Dia. OEM # 9024683, 24102864. Chev. Sail	
	Int.	2010-18	**10-30165**	1.095 Head Dia. OEM # 9024688, 24102863. Chev. Sail	
LINE 13	**85 C.I. (1.4L) DOHC 16V Vin 4,A,P,M**				**2011-22 L4 BORE - 2.91"/73.9mm**
Valve	Exh	2011-16	**10-13368S**	0.984 Head Dia. 0.1944 Stem. 3.606 OAL	
	Exh	2016-22	**10-30820**	0.919 Head Dia. 0.194 Stem. 4.159 OAL	
	Int	2011-16	**10-13367**	1.102 Head Dia. 0.1952 Stem. 3.695 OAL	
	Int	2016-22	**10-30819**	1.102 Head Dia. 0.195 Stem. 4.191 OAL	
Guide	Both	2011-16	**30-3179**	1.460 OAL. 0.1966 I.D	
	Both	2011-16	**30-3213**	Alternate 1.540 OAL. 0.1966 I.D. 0.3952 O.D.	
Spring	Both	2011-16	**32-5029**	1.665 Free Length.	
	Both	2016-22	**32-6708**	1.804 Free Length	
Keeper	Both	2011-22	**34-5033**	3 Round Beads. 0.196 Stem Dia.	
Lifter	Both	2016-22	**36-7082**	Hydraulic Lash Adjuster	
	Both	2011-16	**36-7117**	Hydraulic Lash Adjuster	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 13	85 C.I. (1.4L) DOHC 16V Vin 4,A,P,M			2011-22 L4	BORE - 2.91"/73.9mm
Valve Stem Seal	Both	2011-16	38-6137-55	Viton. Metal Clad	
	Both	2016-22	38-6520-55	Viton. Top Hat.	
Rocker Component	Both	2011-16	40-1339	Cam follower	
	Both	2016-22	40-2920	Cam follower	
LINE 14	1.4L C14SE (non-USA) SOHC 8V			1982-03 L4	BORE - 3.06"/77.1mm
Valve	Exh		10-30168	1.216 Head Dia. 0.2745 Stem. 4.130 OAL. OEM # 641317	
	Int		10-30167	1.496 Head Dia. 0.276 Stem. 4.113 OAL. OEM # 641015.	
LINE 15	85 C.I. (1.4L) 8V SOHC (Non-USA) Vin 2 C14SE/NZ			1994-03 L4	BORE - 3.06"/77.6mm
Valve	Exh	1994-03	10-09832	1.141 Head Dia. 1G. Chevy, Joy, Swing	
	Int	1994-03	10-09816	1.299 Head Dia. 1G. Chevy, Joy, Swing	
Lifter	Both	1994-03	36-2056	Hydraulic Lash Adjuster	
Rocker Component	Both	1994-03	40-1850	Rocker Arm	
LINE 16	1468cc (1.5L) SOHC 8V 4G15 (Mitsubishi)			1987-90 L4	BORE - 2.97"/75.5mm
Valve	Exh	1987-90	10-10097	1.181 Head Dia. Round Groove	
	Int	1987-90	10-10136	1.380 Head Dia. Round Groove	
Guide	Int	1987-90	30-7578	1.730 OAL. 0.260 I.D. 0.4755 O.D.	
Valve Stem Seal	Both	1987-90	38-996-55	Viton. Metal Clad.	
Expansion Plug Kit		1987-90	97-0214	Steel Kit.	
		1987-90	97-0214B	Brass Kit.	
LINE 17	1471cc (1.5L) SOHC 8V 4XC1/T (Isuzu) Vin 7,K,9			1985-89 L4	BORE - 3.03"/77.0mm
Valve	Exh	1985-89	10-10104	Exc. Turbo. 1.220 Head Dia. 0.274 Stem	
	Int	1985-89	10-10105	1.415 Head Dia. 0.274 Stem	
Guide	Int	1985-89	30-8014	1.695 OAL. 0.455 O.D.	
Keeper	Both	1985-89	34-5001	1 Round Groove	
Valve Stem Seal	Both	1985-89	38-980-45	Viton. Metal Clad. 0.275 Stem x 0.455	
Expansion Plug Kit		1985-89	97-0214	Steel Kit.	
		1985-89	97-0214B	Brass Kit.	
LINE 18	91 C.I. (1.5L) DOHC 16V Vin 5,T,V			2016-23 L4	BORE - 2.91"/74.0mm
Valve	Exh	2016-22	10-30820	0.919 Head Dia. 0.194 Stem. 4.159 OAL	
	Int	2016-22	10-30819	1.102 Head Dia.	
Spring	Both	2016-23	32-6708	1.804 Free Length	
Keeper	Both	2016-23	34-5033	3 Round Beads. 0.196 Stem Dia.	
Lifter	Both	2016-23	36-7082	Hydraulic	
Valve Stem Seal	Both	2016-23	38-6520-55	Viton. Top Hat.	
Rocker Component	Both	2016-23	40-2920	Cam Follower	
LINE 19	1588cc (1.6L) SOHC 8V 4ALC (Toyota) Vin 4			1985-88 L4	BORE - 3.07"/78.0mm
Valve	Exh	1985-88	10-10106	1.220 Head Dia. 0.2745 Stem	
	Int	1985-88	10-10107	1.417 Head Dia. 0.2746 Stem	
Valve Seat Insert	Int	1985-88	21-1500-71	1.240 I.D. 1-1/2 O.D. 0.317 Depth.	
Guide	Exh	1985-88	30-8021	1.930 OAL.	
Valve Stem Seal	Both	1985-88	38-980-45	Viton. Metal Clad. 0.275 Stem x 0.455 Guide	
Expansion Plug Kit		1985-88	97-0195	Steel Kit.	
		1985-88	97-0195B	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 20	**1588cc (1.6L) DOHC 16V 4AGE (Toyota) Vin 5**			**1988-92 L4**	**BORE - 3.15"/80.0mm**
Valve	Int	1988-92	**10-10176**	1.201 Head Dia. 0.235 Stem	
Guide	Both	1988-92	**30-8038**	1.595 OAL. 0.435 O.D. Incl. Lock Ring	
	Both	1988-92	**30-8147**	1.520 OAL. 0.436 O.D.	
Keeper	Both	1988-92	**34-5011**	1 Round Groove	
Valve Stem Seal	Both	1988-92	**38-475-45**	Viton. Metal Clad.	
	Both	1988-92	**38-520-45**	Viton. Metal Clad.	
Expansion Plug Kit		1988-92	**97-0195**	Steel Kit.	
		1988-92	**97-0195B**	Brass Kit.	
LINE 21	**1588cc (1.6L) SOHC 8V Korean Vin 6**			**1988-93 L4**	**BORE - 3.11"/79.0mm**
Valve	Int	1988-93	**10-10182**	1.498 Head Dia. 0.2756 Stem.	
Valve Seat Insert	Int	1988-93	**21-1562-67**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Both	1988-93	**30-8039**	1.790 OAL.	
Lifter	Both	1988-93	**36-2056**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1988-93	**38-824-45**	Viton. Metal Clad.	
Expansion Plug Kit		1988-93	**97-0195**	Steel Kit.	
		1988-93	**97-0195B**	Brass Kit.	
LINE 22	**1588cc (1.6L) DOHC 16V 4AF, AFE (Toyota) Vin 5, 6**			**1989-97 L4**	**BORE - 3.15"/80.0mm**
Valve	Exh	1989-92	**10-10315**	0.967 Head Dia. 0.235 Stem	
	Exh	1993-97	**10-10507**	0.965 Head Dia.	
	Int	1989-92	**10-10314**	1.181 Head Dia. 0.235 Stem	
	Int	1993-97	**10-10506**	1.221 Head Dia. 0.2354 Stem	
Valve Seat Insert	Exh	1989-97	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	1989-97	**30-8038**	1.595 OAL. 0.435 O.D. Incl. Lock Ring	
	Both	1989-97	**30-8147**	1.520 OAL. 0.436 O.D.	
Keeper	Both	1989-97	**34-5011**	1 Round Groove	
Lifter	Both	1993-97	**36-2299**	Prizm. Mechanical	
Valve Stem Seal	Both	1989-97	**38-475-45**	Viton. Metal Clad. 0.235 Stem	
Expansion Plug Kit		1989-97	**97-0195**	Steel Kit.	
		1989-97	**97-0195B**	Brass Kit.	
LINE 23	**1588cc (1.6L) SOHC 12V (4XE1V Isuzu) Vin 6**			**1990-93 L4**	**BORE - 3.15"/80.0mm**
Valve Seat Insert	Exh	1990-93	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth	
	Int	1990-93	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
Guide	Exh	1990-93	**30-8291**	1.850 OAL	
	Int	1990-93	**30-8189**	1.650 OAL	
Valve Stem Seal	Both	1990-93	**38-520-45**	Viton. Metal Clad.	
Expansion Plug Kit		1990-93	**97-168**	Steel Kit.	
		1990-93	**97-168B**	Brass Kit.	
LINE 24	**1588cc (1.6L) SOHC 16V G16KV (Suzuki) Vin 6**			**1994-02 L4**	**BORE - 2.95"/75.0mm**
Valve	Exh	1994-00	**10-10517**	0.986 Head Dia. 0.215 Stem	
	Int	1994-00	**10-10516**	1.149 Head Dia. 0.215 Stem	
Valve Seat Insert	Int	1994-00	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	1994-00	**30-8324**	1.260 OAL	
Keeper	Both	1994-00	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1994-00	**38-701-45**	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 25	1588cc (1.6L) DOHC 16V (4XE1W Isuzu) Vin 5			1990-91 L4	BORE - 3.15"/80.0mm
Valve Seat Insert	Exh	1990-91	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
	Int	1990-91	21-1312-52	1.060T I.D. 1-5/16 O.D. 0.2400 Depth	
	Int	1990-91	21-1312-65	1.060T I.D. 1-5/16 O.D. 0.230 Depth	
Guide	Exh	1990-91	30-8255	1.775 OAL. 0.4355 O.D.	
	Int	1990-91	30-8189	1.650 OAL. 0.435 O.D.	
Valve Stem Seal	Both	1990-91	38-520-45	Viton. Metal Clad.	
Expansion Plug Kit		1990-91	97-168	Steel Kit.	
		1990-91	97-168B	Brass Kit.	
LINE 26	1590cc (1.6L) SOHC 8V G16KC (Suzuki) Vin U			1989-95 L4	BORE - 2.95"/75.0mm
Valve	Exh	1989-95	10-10173	1.278 Head Dia.	
	Exh	1989-95	10-10173S	1.278 Head Dia. Stellite	
	Int	1989-95	10-10172	1.441 Head Dia.	
Valve Seat Insert	Exh	1989-95	21-1375-56	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
	Int	1989-95	21-1500-79	1.295 I.D. 1-1/2 O.D. 0.262 Depth.	
Guide	Both	1989-95	30-8016	1.895 OAL.	
Keeper	Both	1989-95	34-5009	1 Round Bead. 0.274 Stem	
Valve Stem Seal	Both	1989-95	38-700-45	Viton. Metal Clad.	
LINE 27	98 C.I. (1.6L) DOHC 16V Vin 6,N E-Tec			2004-08 L4	BORE - 3.11"/79.0mm
Valve	Exh	2004-08	10-2248S	1.073 Head Dia. 0.234 Stem	
	Int	2004-08	10-2247	1.124 Head Dia. 0.235 Stem	
Guide	Both	2004-08	30-3046	1.575 OAL 0.2365 I.D.	
Keeper	Both	2004-08	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	2004-08	36-7089	Hydraulic Bucket	
Valve Stem Seal	Both	2004-08	38-6100-55	Viton. Top Hat	
LINE 28	1598cc (1.6L) DOHC 16V Vin E LXV			2009-11 L4	BORE - 3.11"/79.0mm
Valve	Exh	2009-11	10-3402	1.083 Head Dia. 0.1955 Stem	
	Int	2009-11	10-3401	1.226 Head Dia. 0.1955 Stem	
Guide	Both	2009-11	30-3279	1.463 OAL. 0.198 I.D. 0.395 O.D.	
Keeper	Both	2009-19	34-5033	3 Round Beads. 0.196 Stem Dia.	
Valve Stem Seal	Both	2009-19	38-6131-55	Viton. Top Hat	
LINE 29	98 CI (1.6L) DOHC 16V Vin 5 LWC			2016-19 L4	BORE - 3.11"/79.0mm
Keeper	Both	2016-19	34-5033	3 Round Beads. 0.196 Stem Dia.	
Lifter	Both	2016-19	36-7082	Hydraulic Lash Adjuster	
Rocker Component	Both	2016-19	40-2920	Cam Follower	
LINE 30	98 C.I. (1.6L) SOHC 8V C16N2/E (Non-USA)			1996-09 L4	11", 3.17"/79.0mm, 80.5mm
Valve	Exh	1996-09	10-10183	1.220 Head Dia. 0.275 Stem	
	Int	1996-09	10-10182	1.498 Head Dia. 0.2756 Stem	
Guide	Both	1996-09	30-3216	2.081 OAL.	
Lifter	Both	1996-09	36-2056	Hydraulic Lash Adjuster	
Rocker Component	Both	1996-09	40-1850	Rocker Arm	
LINE 31	98 C.I. (1.6L) SOHC Chevette 8V Vin 9, C, E			1976-87 L4	BORE - 3.23"/82.0mm
Valve Seat Insert	Exh	1976-87	20-1375-1	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.	
	Int	1976-87	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 31	**98 C.I. (1.6L) SOHC Chevette 8V Vin 9, C, E**				**1976-87 L4 BORE - 3.23"/82.0mm**
Keeper	Both	1976-87	**34-217**	0.313 Stem Dia. 1 Round Groove. Heat Treated	
Lifter	Both	1976-87	**36-2056**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1976-87	**38-535-45**	Viton. Ring And Band. 0.313 Stem	
Expansion Plug Kit		1976-87	**97-65**	Steel Kit.	
		1976-87	**97-65B**	Brass Kit.	
LINE 32	**1788cc (1.8L) DOHC 16V 7AFE (Toyota) Vin 8**				**1993-97 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1993-97	**10-10507**	0.965 Head Dia.	
	Int	1993-97	**10-10506**	1.221 Head Dia. 0.2354 Stem	
Valve Seat Insert	Exh	1993-97	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	1993-97	**30-8147**	1.520 OAL. 0.436 O.D.	
Keeper	Both	1993-97	**34-5011**	1 Round Groove	
	Both	1993-97	**34-811**	1 Square Groove. Heat Treated	
Lifter	Both	1993-97	**36-2299**	Prizm. Mechanical	
Valve Stem Seal	Both	1993-97	**38-475-45**	Viton. Metal Clad.	
	Both	1993-97	**38-520-45**	Viton. Metal Clad.	
Expansion Plug Kit		1993-97	**97-44**	Steel Kit.	
		1993-97	**97-44B**	Brass Kit.	
LINE 33	**1794cc (1.8L) DOHC 16V 1ZZFE (Toyota) Vin 8**				**1998-08 L4 BORE - 3.11"/79.0mm**
Valve	Exh	1998-99	**10-10736**	1.082 Head Dia. 0.215 Stem	
	Exh	2000-08	**10-10781**	1.024 Head Dia.	
	Int	1998-99	**10-10735**	1.260 Head Dia. 0.215 Stem	
	Int	2000-08	**10-10780**	1.220 Head Dia.	
Guide	Both	1998-08	**30-8584**	1.360 OAL. 0.4075 O.D.	
Keeper	Both	1998-08	**34-5023**	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	1998-08	**38-310-55**	Viton. Metal Clad	
	Int	1998-08	**38-210-55**	Viton. Metal Clad	
LINE 34	**1795cc (1.8L) DOHC 16V 2ZZGE (Toyota) Vin L**				**2003-06 L4 BORE - 3.23"/82.0mm**
Valve	Int	2003-06	**10-2177**	1.339 Head Dia.	
Guide	Both	2003-06	**30-3221**	1.693 OAL	
Valve Stem Seal	Exh	2003-06	**38-310-55**	Viton. Metal Clad	
	Int	2003-06	**38-210-55**	Viton. Metal Clad	
LINE 35	**1796cc (1.8L) SOHC 8V C18NZ, N18XF (non-USA)**				**2003-15 L4 BORE - 3.17"/80.5mm**
Valve	Exh	2003-05	**10-10183**	1.220 Head Dia. 0.275 Stem.	
	Exh	2006-15	**10-30121**	1.220 Head Dia. 0.234 Stem	
	Int	2003-05	**10-10182**	1.498 Head Dia. 0.2756 Stem.	
	Int	2006-15	**10-30120**	1.496 Head Dia. 0.234 Stem	
Guide	Both	2003-05	**30-3216**	2.081 OAL. 0.276 I.D.	
Lifter	Both	2003-05	**36-2056**	Hydraulic Lash Adjuster	
	Both	2006-11	**36-7005**	Hydraulic Lash Adjuster	
LINE 36	**1796cc (1.8L) DOHC 16V Vin 5,G,H,U**				**2010-19 L4 BORE - 3.48"/80.5mm**
Valve	Exh	2011-18	**10-13343**	1.083 Head Dia. 0.1952 Stem. 4.009 OAL. 3G.	
	Exh	2010-19	**10-30849**	1.083 Head Dia. 0.195 Stem. 4.455 OAL. 3G	
	Int	2011-18	**10-13342**	1.232 Head Dia. 0.1958 Stem. 4.032 OAL. 3G	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 36	1796cc (1.8L) DOHC 16V Vin 5,G,H,U			2010-19 L4	BORE - 3.48"/80.5mm
Valve	Int	2010-19	**10-30850**	1.228 Head Dia. 0.196 Stem. 4.480 OAL. 3G	
Keeper	Both	2011-19	**34-5033**	3 Round Beads. 0.196 Stem Dia.	
Lifter	Both	2016-19	**36-7082**	Hydraulic	
Valve Stem Seal	Both	2011-18	**38-6131-55**	Viton. Top Hat	
Rocker Component	Both	2016-19	**40-2920**	Cam Follower	
LINE 37	1798cc (1.8L) DOHC 16V Vin 8 (2ZRFE Toyota)			2009-10 L4	BORE - 3.11"/79.0mm
Guide	Exh	2009-10	**30-3135**	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2009-10	**30-3134**	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2009-10	**34-5023**	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Both	2009-10	**38-210-55**	Viton. Metal Clad	
LINE 38	1799cc (1.8L) DOHC 16V X18X, Z18X (Non-USA)			2000-06 L4	BORE - 3.17"/80.5mm
Valve	Exh	2000-06	**10-3045**	1.082 Head Dia. 3G. Astra	
	Int	2000-06	**10-3046**	1.227 Head Dia. 3G. Astra	
Guide	Both	2000-06	**30-3082**	1.562 OAL. 0.183 I.D. 0.395 O.D.	
LINE 39	1809cc (1.8L) DOHC 16V 4XF1 (Isuzu) Vin 8			1992-93 L4	BORE - 3.15"/80.0mm
Valve Seat Insert	Exh	1992-93	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
	Int	1992-93	**21-1312-52**	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
	Int	1992-93	**21-1312-65**	1.060T I.D. 1-5/16 O.D. 0.230 Depth	
Guide	Exh	1992-93	**30-8255**	1.775 OAL	
	Int	1992-93	**30-8189**	1.650 OAL	
Valve Stem Seal	Both	1992-93	**38-520-45**	Viton. Metal Clad.	
LINE 40	1817cc (1.8L) SOHC 8V Isuzu G180Z Vin B, N			1972-82 L4	BORE - 3.31"/84.0mm
Valve	Exh	1980-82	**10-10093**	1.337 Head Dia. Series 10-12. Square Groove.	
	Int	1976-79	**10-10087**	1.673 Head Dia. Series 5-9. Square Groove	
	Int	1980-82	**10-10094**	1.588 Head Dia. Series 10-12. Square Groove.	
Valve Seat Insert	Exh	1972-75	**21-1375-50**	1.109T I.D. 1-3/8 O.D. 0.255 Depth. Ser. 1-4	
	Exh	1976-82	**21-1500-50**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.	
	Int	1972-75	**21-1750-50**	1.500T I.D. 1-3/4 O.D. 0.255 Depth. Ser. 1-4	
	Int	1976-79	**21-1750-63**	1.410T I.D. 1-3/4 O.D. 0.315 Depth. Opel	
Guide	Exh	1976-82	**30-7714**	2.165 OAL. 0.315 I.D. 0.475 O.D. +2 O/S Avail.	
	Int	1976-82	**30-7713**	1.810 OAL. 0.4745 O.D. 0.3145 I.D. +2 O/S Avail.	
Keeper	Both	1977-78	**34-811**	Ser. 5,6,8. 1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1972-82	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1976-79	**97-0202**	Opel. Steel Kit.	
		1976-79	**97-0202B**	Brass Kit.	
		1972-72	**97-29**	Luv Series 1. Steel Kit.	
		1972-72	**97-29B**	Brass Kit.	
		1973-75	**97-66**	Luv Series 2-4. Steel Kit. Brass Kit Avail. In Suffix B	
		1973-75	**97-66B**	Brass Kit.	
		1976-82	**97-90**	Luv Series 5-12. Steel Kit.	
		1976-82	**97-90B**	Brass Kit.	
LINE 41	1819cc (1.8L) OHV 8V Diesel 4FB1 (Isuzu) Vin D			1981-86 L4	BORE - 3.31"/84.0mm
Valve Seat Insert	Int	1981-86	**21-1625-61**	1.305T I.D. 1-5/8 O.D. 0.227 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 41	**1819cc (1.8L) OHV 8V Diesel 4FB1 (Isuzu) Vin D**			**1981-86 L4 BORE - 3.31"/84.0mm**
Guide	Exh	1981-86	**30-7714**	2.160 OAL. +2 O/S Avail.
	Int	1981-86	**30-7713**	1.810 OAL. +2 O/S Avail.
Valve Stem Seal	Both	1981-86	**38-962-45**	Viton. Ring And Spring.
Expansion Plug Kit		1981-86	**97-0202**	Steel Kit.
		1981-86	**97-0202B**	Brass Kit.
LINE 42	**112 C.I. (1.8L) OHV 8V Chev. Vin G**			**1982-82 L4 BORE - 3.29"/83.0mm**
Valve	Exh	1982-82	**10-1465**	1.378 Head Dia. 0.3133 Stem. 4.730 OAL.
	Exh	1982-82	**10-1465+3**	1.378 Head Dia. 0.3163 Stem. 4.730 OAL.
	Int	1982-82	**10-1466**	1.600 Head Dia. 0.3136 Stem. 4.700 OAL.
	Int	1982-82	**10-1466+3**	1.600 Head Dia. 0.3166 Stem. 4.700 OAL.
Valve Seat Insert	Exh	1982-82	**20-1437-2**	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1982-82	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Both	1982-82	**30-9705**	2.000 OAL. Spiral 0.3155 I.D.
Spring	Both	1982-82	**32-1038-D**	1.910 Free Length. w/ Damper
Keeper	Both	1982-82	**34-217**	0.311 Stem Dia. 1 Round Groove. Heat Treated
Lifter	Both	1982-82	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Valve Stem Seal	Exh	1982-82	**38-936-45**	Viton. Ring And Band.
	Int	1982-82	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.
	Int	1982-82	**38-935-45**	Viton. Ring And Band.
Rocker Kit	Both	1982-82	**41-2407**	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball
Rocker Component	Both	1982-82	**42-2948**	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut
Expansion Plug Kit		1982-82	**97-96**	Steel Kit
		1982-82	**97-96B**	Brass Kit.
LINE 43	**112 C.I. (1.8L) SOHC 8V Pontiac (Brazil) Vin 0, J**			**1982-86 L4 BORE - 3.34"/84.8mm**
Valve	Exh	1982-86	**10-1485S**	1.378 Head Dia.
	Int	1982-86	**10-1486**	1.614 Head Dia. 0.3143 Stem. 4.193 OAL.
	Int	1982-86	**10-1486+15**	1.614 Head Dia. 0.3293 Stem. 4.193 OAL.
	Int	1982-86	**10-1486+3**	1.614 Head Dia. 0.3173 Stem. 4.193 OAL.
Valve Seat Insert	Int	1982-86	**21-1687-54**	1.450 I.D. 1-11/16 O.D. 0.297 Depth.
	Int	1982-86	**21-1750-68**	1.415 I.D. 1-3/4 O.D. 0.316 Depth. O/S O.D.
Keeper	Both	1982-86	**34-217**	0.311 Stem Dia. 1 Round Groove. Heat Treated
Lifter	Both	1982-86	**36-2056**	Hydraulic Lash Adjuster
Rocker Component	Both	1982-86	**40-1850**	Rocker Arm
Expansion Plug Kit		1982-86	**97-96**	Steel Kit
		1982-86	**97-96B**	Brass Kit.
LINE 44	**116 C.I. (1.9L) SOHC 8V Saturn Vin 8, 9**			**1991-02 L4 BORE - 3.23"/82.0mm**
Valve	Exh	1991-02	**10-10523**	1.339 Head Dia. 0.2730 Stem
	Int	1991-02	**10-10522**	1.574 Head Dia. 0.2737 Stem
Guide	Both	1991-02	**30-8292**	2.125 OAL. 0.2755 I.D. Replaces 2.520 Length Guide To Prevent Carbon Buildup. 97-98: Int. Only.
	Exh	1997-98	**30-8021**	1.930 OAL. 0.2757 I.D.
Spring	Both	1991-02	**32-2460**	1.900 Free Length. 0.860T I.D. 1.216T O.D. OEM # 21006842
Keeper	Both	1991-02	**34-00992**	1 Round Groove
Lifter	Both	1991-02	**36-2296**	Hydraulic Roller
Valve Stem Seal	Both	1991-02	**38-585-45**	Viton. Top Hat.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 45	116 C.I. (1.9L) DOHC 16V Saturn Vin 7			1991-02 L4	BORE - 3.23"/82.0mm
Valve	Exh	1991-98	10-10521	1.081 Head Dia. 0.2732 Stem Dia.	
	Exh	1999-02	10-1950	1.081 Head Dia. 0.2344 Stem Dia.	
	Int	1991-98	10-10520	1.272 Head Dia. 0.2738 Stem Dia.	
	Int	1999-02	10-1949	1.272 Head Dia. 0.2349 Stem Dia.	
Valve Seat Insert	Int	1991-02	21-1375-60	1.107T I.D. 1-3/8 O.D. 0.237 Depth	
Guide	Both	1999-02	30-3020	1.510 OAL. 0.2366 I.D.	
	Both	1991-98	30-8293	1.510 OAL. 0.2755 I.D.	
Keeper	Both	1991-98	34-00992	1 Round Groove	
	Both	1999-02	34-07209	1 Round Groove	
Lifter	Both	1991-98	36-2273	Hydraulic Bucket	
	Both	1999-02	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1991-98	38-585-45	Viton. Top Hat. Use w/ 0.273 Stem Dia.	
	Both	1999-02	38-586-45	Viton. Top Hat.	
Rocker Component	Both	2000-02	40-2917	Rocker Arm	
LINE 46	1949cc (1.9L) SOHC 8V G200Z (Isuzu) Vin A			1982-85 L4	BORE - 3.43"/87.0mm
Valve	Exh	1982-85	10-10093	1.337 Head Dia.	
	Int	1982-85	10-10094	1.337 Head Dia.	
Valve Seat Insert	Exh	1982-85	21-1500-50	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.	
	Int	1982-85	21-1750-62	1.323T I.D. 1-3/4 O.D. 0.276 Depth.	
Guide	Exh	1982-85	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1982-85	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1982-85	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1982-85	97-0202	Steel Kit.	
LINE 47	122 C.I. (2.0L) OHV 8V Chev. Vin B, P, Y			1983-86 L4	BORE - 3.39"/86.0mm
Valve	Exh	1983-86	10-1465	1.378 Head Dia. 0.3133 Stem. 4.730 OAL.	
	Exh	1983-86	10-1465+3	1.378 Head Dia. 0.3163 Stem. 4.730 OAL.	
	Int	1983-86	10-1466	1.600 Head Dia. 0.3136 Stem. 4.700 OAL.	
	Int	1983-86	10-1466+3	1.600 Head Dia. 0.3166 Stem. 4.700 OAL.	
Valve Seat Insert	Exh	1983-86	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1983-86	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth	
	Int	1983-86	21-1625-55	1.333T I.D. 1-5/8 O.D. 0.237 Depth	
Guide	Both	1983-86	30-9705	2.000 OAL. Spiral 0.3155 I.D.	
	Exh	1983-86	30-8115	2.320 OAL. Aluminum Heads	
	Int	1983-86	30-8114	2.770 OAL. Aluminum Heads	
Spring	Both	1983-86	32-1038-D	1.910 Free Length. w/ Damper	
Keeper	Both	1983-86	34-217	0.311 Stem Dia. 1 Round Groove. Heat Treated	
Lifter	Both	1983-86	36-6005	Hydraulic	
Valve Stem Seal	Exh	1983-86	38-936-45	Viton. Ring And Band.	
	Int	1983-86	38-535-45	Viton. Ring And Band. For 5/16 Stem.	
	Int	1983-86	38-935-45	Viton. Ring And Band.	
Rocker Kit	Both	1983-86	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball	
Rocker Component	Both	1983-86	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut	
Expansion Plug Kit		1985-86	97-95	Steel Kit	
		1985-86	97-95B	Brass Kit.	
		1983-84	97-96	Steel Kit	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 47	122 C.I. (2.0L) OHV 8V Chev. Vin B, P, Y			1983-86 L4	BORE - 3.39"/86.0mm
Expansion Plug Kit		1983-84	97-96B	Brass Kit.	
LINE 48	122 C.I. (2.0L) OHV 8V Chev. Vin 1			1987-89 L4	BORE - 3.39"/86.0mm
Valve	Exh	1987-89	10-1568	1.457 Head Dia. 0.3132 Stem. 5.165 OAL	
	Exh	1987-89	10-1568+15	1.457 Head Dia. 0.3282 Stem. 5.165 OAL	
	Exh	1987-89	10-1568+3	1.457 Head Dia. 0.3162 Stem. 5.165 OAL	
	Int	1987-89	10-1569	1.693 Head Dia. 0.3136 Stem. 5.456 OAL	
	Int	1987-89	10-1569+15	1.693 Head Dia. 0.3286 Stem. 5.456 OAL	
Valve Seat Insert	Exh	1987-89	21-1562-66	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
	Int	1987-89	21-1812-55	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
Guide	Both	1987-89	30-9705	2.000 OAL. Spiral 0.3155 I.D.	
	Exh	1987-89	30-8115	2.320 OAL. Aluminum Heads	
	Int	1987-89	30-8114	2.770 OAL. Aluminum Heads	
Keeper	Both	1987-89	34-217	0.311 Stem Dia. 1 Round Groove. Heat Treated	
Lifter	Both	1987-89	36-6005	Hydraulic	
Valve Stem Seal	Exh	1987-89	38-59-45	Viton. 2-Ring. For 5/16 Stem	
	Exh	1987-89	38-936-45	Viton. Ring And Band.	
	Int	1987-89	38-535-45	Viton. Ring And Band. For 5/16 Stem.	
	Int	1987-89	38-935-45	Viton. Ring And Band.	
Rocker Component	Both	1987-89	40-2827	Rocker Arm	
Push Rod	Both	1987-89	74-6445	7.700 Length. 3/8 x .060	
Expansion Plug Kit		1987-89	97-95	Steel Kit	
		1987-89	97-95B	Brass Kit.	
LINE 49	1995cc (2.0L) DOHC 16V J20 Vin C (Suzuki)			1999-03 L4	BORE - 3.31"/84.0mm
Valve	Exh	1999-03	10-10787S	1.102 Head Dia. 0.234 Stem. 3.382 OAL	
	Int	1999-03	10-10786	1.299 Head Dia. 0.235 Stem. 3.396 OAL	
Guide	Both	1999-03	30-8566	1.380 OAL	
Keeper	Both	1999-03	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	1999-03	36-2272	Hydraulic Bucket	
Valve Stem Seal	Both	1999-03	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 50	122 C.I. (2.0L) DOHC 16V Vin 3 L0A (Nissan)			2015-18 L4	BORE - 3.31"/84.1mm
Valve	Exh	2015-18	10-13399	1.093 Head Dia. 0.215 Stem	
	Int	2015-18	10-13398	1.337 Head Dia. 0.215 Stem	
Keeper	Both	2015-18	34-5012	1 Round Groove. 0.215 Stem Dia.	
Valve Stem Seal	Both	2015-18	38-53-45	Viton. Metal Clad.	
LINE 51	1998cc (2.0L) SOHC 8V Opel C20NE (Non-USA)			2004-06 L4	BORE - 3.39"/86.0mm
Valve	Exh	2004-06	10-10116	1.437 Head Dia. 4.102 OAL. 0.276 Stem.	
	Int	2004-06	10-10213	1.646 Head Dia. 4.100 OAL. 0.276 Stem	
Lifter	Both	2004-06	36-2056	Hydraulic Lash Adjuster	
LINE 52	122 C.I. (2.0L) DOHC 16V Vin X LTG			2013-23 L4	BORE - 3.39"/86.0mm
Valve	Exh	2013-22	10-30816	1.142 Head Dia. 0.234 Stem. 4.071 OAL	
	Int	2013-22	10-13441	1.437 Head Dia. 0.2348 Stem 3.776 OAL	
Spring	Both	2013-21	32-5001	1.729 Free Length. Conical	
	Both	2022-23	32-6715	1.791 Free Length. Conical.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 52	122 C.I. (2.0L) DOHC 16V Vin X LTG			2013-23 L4	BORE - 3.39"/86.0mm
Keeper	Both	2013-23	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Lifter	Both	2013-22	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2013-23	38-6036-55	Viton. Top Hat. '13-17 Regal Only. '18-19 Int.	
	Both	2013-23	38-6153-55	Viton. Top Hat. '13-17 All Exc. Regal. '18-19 Exh Only	
Rocker Component	Both	2013-18	40-2917	Rocker Arm	
Retainer	Both	2013-22	55-6735	Chrome Moly. 0.735 O.D. 0.235 Stem	
LINE 53	122 C.I. (2.0L) DOHC 16V Vin 4 LSY			2020-24 L4	BORE - 3.26"/82.8mm
Keeper	Both	2020-24	34-5021	3 Round Beads. 0.236 Stem Dia.	
LINE 54	122 C.I. (2.0L) DOHC 16V Vin M,P,V,X			2004-16 L4	BORE - 3.39"/86.0mm
Valve	Exh	2004-16	10-2010S	1.185 Head Dia.	
	Int	2007-16	10-13293	1.382 Head Dia. Nitrided Stem. Can Use 10-1997	
	Int	2004-07	10-1997	1.382 Head Dia. Chrome Stem. Can Use 10-13293	
Valve Seat Insert	Exh	2004-16	21-1250-50	0.965T I.D. 1-1/4 O.D. 1/4 Depth. NOTE: Seat May Need To Be Machined .015"-.020" To Achieve Correct Depth	
Guide	Both	2004-10	30-3029	1.420 OAL.	
Spring	Both	2004-16	32-04060	1.678 Free Length.	
Keeper	Both	2004-16	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2004-16	36-7082	Hydraulic Lash Adjuster.	
Valve Stem Seal	Both	2004-16	38-3500-45	Viton. Top Hat	
Rocker Component	Both	2004-16	40-2917	Rocker Arm	
Retainer	Both	2004-16	55-7712	0.980 O.D. 0.235 Stem	
LINE 55	122 C.I. (2.0L) SOHC 8V Vin H,K,M Pontiac TRB			1987-94 L4	BORE - 3.39"/86.0mm
Valve	Exh	1987-94	10-10116	1.437 Head Dia. 4.102 OAL. 0.276 Stem.	
	Int	1987-91	10-10117	1.693 Head Dia. 4.102 OAL 0.276 Stem	
	Int	1992-94	10-10213	1.646 Head Dia. 4.100 OAL. 0.276 Stem	
Valve Seat Insert	Exh	1987-94	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
	Int	1992-94	21-1812-52	1.440T I.D. 1-13/16 O.D. 0.315 Depth.	
Guide	Both	1987-94	30-8039	1.790 OAL.	
Lifter	Both	1987-94	36-2056	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1987-94	38-824-45	Viton. Metal Clad.	
Rocker Component	Both	1987-94	40-1850	Rocker Arm	
Expansion Plug Kit		1987-94	97-95	Steel Kit	
		1987-94	97-95B	Brass Kit.	
LINE 56	122 C.I. (2.0L) DOHC 16V E-TEC II Vin Z			2004-07 L4	BORE - 3.40"/86.4mm
Valve	Exh	2004-07	10-2040S	1.142 Head Dia. Bi-Metallic, Stellite	
	Int	2004-07	10-10784	1.260 Head Dia.	
Guide	Exh	2004-07	30-3011	1.378 OAL. Cast Iron.	
	Int	2004-07	30-3010	1.773 OAL. Cast Iron.	
	Exh	2004-07	31-3011	1.378 OAL. Manganese Bronze.	
	Int	2004-07	31-3010	1.773 OAL. Manganese Bronze.	
Spring	Both	2004-07	32-2488	1.673 Free Length.	
Keeper	Both	2004-07	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2004-07	36-7089	Hydraulic	
Valve Stem Seal	Both	2004-07	38-1329-45	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 57	134 C.I. (2.2L) OHV 8V Vin 4,5,G,H Chevy Flex			1990-03 L4	BORE - 3.50"/89.0mm
Valve	Exh	1990-91	**10-1568**	1.457 Head Dia. 0.3132 Stem. 5.165 OAL 0.279 Tip To Groove.	
	Exh	1990-91	**10-1568+15**	1.457 Head Dia. 0.3282 Stem. 5.165 OAL	
	Exh	1990-91	**10-1568+3**	1.457 Head Dia. 0.3162 Stem. 5.165 OAL	
	Exh	1992-93	**10-1704**	1.457 Head Dia. 0.3132 Stem Dia. 0.210 Tip To Groove	
	Exh	1994-97	**10-1737**	1.457 Head Dia. 0.2738 Stem. 5.142 OAL. 0.222 Tip To Groove.	
	Exh	1994-97	**10-1737+15**	1.457 Head Dia. 0.2888 Stem. 5.142 OAL. 0.222 Tip To Groove.	
	Exh	1994-97	**10-1737+3**	1.457 Head Dia. 0.2768 Stem. 5.142 OAL. 0.222 Tip To Groove.	
	Exh	1998-03	**10-1903**	1.457 Head Dia. 0.2738 Stem. 5.000 OAL.	
	Exh	1998-03	**10-1903+15**	1.457 Head Dia. 0.2888 Stem. 5.000 OAL.	
	Exh	1998-03	**10-1903+3**	1.457 Head Dia. 0.2768 Stem. 5.000 OAL.	
	Int	1990-91	**10-1569**	1.693 Head Dia. 0.3136 Stem. 5.456 OAL.	
	Int	1990-91	**10-1569+15**	1.693 Head Dia. 0.3286 Stem. 5.456 OAL	
	Int	1992-93	**10-1705**	1.732 Head Dia. 0.3136 Stem Dia. 0.189 Tip To Groove	
	Int	1994-97	**10-1736**	1.732 Head Dia. 0.2742 Stem Dia. 5.465 OAL. 0.204 Tip To Groove.	
	Int	1994-97	**10-1736+15**	1.732 Head Dia. 0.2892 Stem Dia. 5.465 OAL. 0.204 Tip To Groove.	
	Int	1994-97	**10-1736+3**	1.732 Head Dia. 0.2772 Stem Dia. 5.465 OAL. 0.204 Tip To Groove.	
	Int	1998-03	**10-1902**	1.732 Head Dia. 0.2746 Stem. 5.285 OAL.	
	Int	1998-03	**10-1902+15**	1.732 Head Dia. 0.2896 Stem. 5.285 OAL.	
	Int	1998-03	**10-1902+3**	1.732 Head Dia. 0.2776 Stem. 5.285 OAL.	
Valve Seat Insert	Exh	1990-03	**21-1562-66**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
	Int	1990-03	**21-1812-55**	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
Guide	Both	1998-03	**30-3009**	2.289 OAL. 0.2763 I.D. +2 O/S Avail.	
	Exh	1990-93	**30-8115**	2.320 OAL. 0.3155 I.D.	
	Exh	1994-99	**30-8535**	2.320 OAL. 0.2757 I.D.	
	Exh	1994-97	**30-8588**	2.320 OAL. 0.2807 I.D.	
	Int	1990-93	**30-8114**	2.770 OAL. 0.3155 I.D.	
	Int	1994-99	**30-8536**	2.770 OAL. 0.2757 I.D.	
Spring	Both	1998-03	**32-04018**	1.910 Free Length. Conical	
	Both	1994-97	**32-2212**	1.958 Free Length. Conical	
Keeper	Both	1994-03	**34-00992**	1 Round Groove. 0.275 Stem	
	Both	1990-93	**34-217**	0.314 Stem Dia. 1 Round Groove. Heat Treated	
Lifter	Both	1994-03	**36-2270**	Hydraulic Roller	
	Both	1990-93	**36-6005**	Hydraulic	
Valve Stem Seal	Both	1992-98	**38-322-45**	Viton. Ring And Band. Use w/ 0.274 Stem	
	Both	1998-03	**38-588-45**	Viton. Top Hat.	
	Int	1990-93	**38-535-45**	Viton. Ring And Band. For 5/16 Stem.	
Rocker Component	Both	1990-00	**40-2827**	Rocker Arm	
Retainer	Both	1990-02	**55-6197**	Chrome Moly. 0.982 O.D. 0.275 Stem	
Push Rod	Both	1990-03	**74-6445**	7.700 Length. 3/8 x .060	
Expansion Plug Kit		1990-95	**97-0240**	Steel Kit.	
		1990-95	**97-0240B**	Brass Kit.	
		1996-97	**97-152**	Steel Kit.	
		1990-95	**97-152B**	Brass Kit.	
		1998-03	**97-153**	Steel Kit.	
		1990-95	**97-153B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 58	**2198cc (2.2L) SOHC 8V C22NE**			**1999-05 L4 BORE - 3.39"/86.1mm**
Valve	Exh	1999-05	**10-10116**	1.437 Head Dia. 4.102 OAL. 0.276 Stem.
	Int	1999-05	**10-10213**	1.646 Head Dia. 4.100 OAL. 0.276 Stem
Lifter	Both	1999-05	**36-2056**	Hydraulic Lash Adjuster
LINE 59	**134 C.I (2.2L) DOHC 16V Vin 2,6,B,D,F,H Ecotec**			**2000-11 L4 BORE - 3.39"/86.0mm**
Valve	Exh	2000-11	**10-2010S**	1.185 Head Dia. (Non-USA Astra, Zafira)
	Int	2000-11	**10-1997**	1.382 Head Dia. (Non-USA Astra, Zafira)
Valve Seat Insert	Exh	2000-11	**21-1250-50**	0.965T I.D. 1-1/4 O.D. 1/4 Depth. NOTE: Seat May Need To Be Machined .015"-.020" To Achieve Correct Depth
Guide	Both	2000-11	**30-3029**	1.420 OAL.
Spring	Both	2000-11	**32-04060**	1.678 Free Length
Keeper	Both	2000-11	**34-5021**	3 Round Beads. 0.236 Stem Dia.
Lifter	Both	2000-11	**36-7082**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2000-11	**38-3500-45**	Viton. Top Hat
Rocker Component	Both	2000-11	**40-2917**	Rocker Arm
Retainer	Both	2000-11	**55-7712**	0.980 O.D. 0.235 Stem
LINE 60	**2238cc (2.2L) OHV 8V Diesel (Isuzu) Vin S**			**1981-84 L4 BORE - 3.31"/84.0mm**
Valve	Exh	1981-84	**10-10217**	1.339 Head Dia.
	Int	1981-84	**10-10216**	1.575 Head Dia.
Valve Seat Insert	Int	1981-84	**21-1625-55**	1.333T I.D. 1-5/8 O.D. 0.237 Depth
Guide	Both	1981-84	**30-7656**	1.970 OAL 0.3145 I.D. 0.5528 O.D.
Valve Stem Seal	Both	1981-84	**38-7002-55**	Viton. Metal Clad.
LINE 61	**2254cc (2.3L) SOHC 8V 4ZD1 (Isuzu)**			**1996-98 L4 BORE - 3.50"/89.4mm**
Valve	Exh	1996-98	**10-10220S**	1.413 Head Dia.
	Int	1996-98	**10-10218**	1.663 Head Dia.
Valve Seat Insert	Exh	1996-98	**21-1562-66**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.
Guide	Exh	1996-98	**30-7714**	2.160 OAL. +2 O/S Avail.
	Int	1996-98	**30-7713**	1.810 OAL. 0.4745 O.D. 0.3145 I.D. +2 O/S Avail.
LINE 62	**140, 145, 164 C.I. Corvair**			**1960-69 L6 BORE - 3.44"/87.3mm**
Spring	Both	1960-69	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1960-69	**34-555**	1 Groove. Heat Treated. OEM # VT3234
Lifter	Both	1960-69	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
LINE 63	**138 C.I. (2.3L) DOHC 16V Olds Quad 4 Vin A**			**1987-95 L4 BORE - 3.62"/92.0mm**
Valve	Exh	1987-89	**10-1674**	1.182 Head Dia.
	Exh	1990-95	**10-1727**	1.238 Head Dia.
	Int	1990-95	**10-1726**	1.437 Head Dia.
Valve Seat Insert	Exh	1987-89	**21-1250-56**	0.905T I.D. 1-1/4 O.D. 0.230 Depth. w/ 1.182 Valve Head Dia.
	Exh	1990-95	**21-1312-67**	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.
	Exh	1990-95	**21-1312-67N**	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.
	Int	1987-89	**21-1500-74**	1.180T I.D. 1-1/2 O.D. 0.214 Depth. w/ 1.398 Valve Head Dia.
	Int	1990-95	**21-1500-77**	1.175T I.D. 1-1/2 O.D. 0.236 Depth. w/ 1.437 Valve Head Dia.
Guide	Both	1987-95	**30-8124**	1.740 OAL
Spring	Both	1987-93	**32-1558**	1.700 Free Length.
Keeper	Both	1987-95	**34-510**	1 Round Groove. OEM # 22531220

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 63	138 C.I. (2.3L) DOHC 16V Olds Quad 4 Vin A			1987-95 L4	BORE - 3.62"/92.0mm
Lifter	Both	1987-94	36-2236	Hydraulic Bucket	
	Both	1995-95	36-2273	Hydraulic Bucket	
Valve Stem Seal	Both	1987-95	38-827-25	Polyacrylic. Metal Clad.	
	Both	1987-95	38-827-45	Viton. Metal Clad.	
Expansion Plug Kit		1987-95	97-0242	Steel Kit.	
		1987-95	97-0242B	Brass Kit.	
LINE 64	138 C.I. (2.3L) DOHC 16V Olds Quad 4 Vin A			1989-94 L4	BORE - 3.62"/92.0mm
Valve	Exh	1989-94	10-1727	1.238 Head Dia.	
	Int	1989-94	10-1726	1.437 Head Dia.	
Valve Seat Insert	Exh	1989-94	21-1312-67	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Exh	1989-94	21-1312-67N	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Int	1989-94	21-1500-77	1.175T I.D. 1-1/2 O.D. 0.236 Depth.	
Guide	Both	1989-94	30-8124	1.740 OAL	
Spring	Both	1990-93	32-1558	1.700 Free Length.	
Keeper	Both	1989-94	34-510	1 Round Groove. OEM # 22531220	
Lifter	Both	1989-94	36-2236	Hydraulic Bucket	
Valve Stem Seal	Both	1989-94	38-827-25	Polyacrylic. Metal Clad.	
	Both	1989-94	38-827-45	Viton. Metal Clad.	
Expansion Plug Kit		1989-94	97-0242	Steel Kit.	
		1989-94	97-0242B	Brass.	
LINE 65	138 C.I (2.3L) SOHC 8V Vin 3			1992-94 L4	BORE - 3.62"/92.0mm
Valve	Exh	1992-94	10-1727	1.238 Head Dia.	
	Int	1992-94	10-1726	1.437 Head Dia.	
Valve Seat Insert	Exh	1992-94	21-1312-67	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Exh	1992-94	21-1312-67N	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Int	1992-94	21-1500-77	1.175T I.D. 1-1/2 O.D. 0.236 Depth.	
Guide	Both	1992-94	30-8124	1.740 OAL	
Spring	Both	1992-94	32-1558	1.700 Free Length. 2V Per Cyl.	
Keeper	Both	1992-94	34-510	1 Round Groove. OEM # 22531220	
Lifter	Both	1992-94	36-2236	Hydraulic Bucket	
Valve Stem Seal	Both	1992-94	38-827-25	Polyacrylic. Metal Clad.	
	Both	1992-94	38-827-45	Viton. Metal Clad.	
Expansion Plug Kit		1992-94	97-0242	Steel Kit.	
		1992-94	97-0242B	Brass Kit.	
LINE 66	140 C. I. (2.3L) SOHC 8V Vin A,B			1971-77 L4	BORE - 3.44"/87.4mm
Valve Seat Insert	Exh	1971-77	20-1437-1	1-1/4 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1971-77	20-1750-1	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.	
Spring	Both	1971-77	32-880-D	2.030 Free Length. w/ Damper	
Keeper	Both	1971-77	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1971-77	36-992	Mechanical High Performance	
Valve Stem Seal	Both	1971-77	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1971-77	38-921-25	Polyacrylic. 2-Ring.	
	Both	1971-75	38-925-15	Nitrile. Ring And Band.	
	Both	1971-75	38-925-25	Polyacrylic. Ring And Band.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 66	140 C. I. (2.3L) SOHC 8V Vin A,B			1971-77 L4	BORE - 3.44"/87.4mm
Valve Stem Seal	Both	1976-77	38-937-15	Nitrile. Ring And Band.	
	Both	1976-77	38-938-25	Polyacrylic. Ring And Band.	
	Both	1976-77	38-938-45	Viton. Ring And Band.	
	Both	1971-77	38-951-25	Polyacrylic. 2-Ring.	
LINE 67	2362cc (2.4L) DOHC 16V (Toyota) 2AZFE			2009-10 L4	BORE - 3.50"/89.0mm
Valve	Exh	2009-10	10-10799	1.161 Head Dia. Vibe	
	Int	2009-10	10-10798	1.339 Head Dia. Vibe	
Guide	Both	2009-10	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
Keeper	Both	2009-10	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2009-10	38-310-55	Viton. Metal Clad	
	Int	2009-10	38-210-55	Viton. Metal Clad	
LINE 68	145 C.I. (2.4L) DOHC 16V Vin 5,B,C,P,R,K Ecotec			2006-17 L4	BORE - 3.46"/88.0mm
Valve	Exh	2006-17	10-2010S	1.185 Head Dia. 0.2340 Stem	
	Int	2010-17	10-13293	1.382 Head Dia. 0.2348 Nitrided Stem	
	Int	2006-12	10-1997	1.382 Head Dia. 0.2348 Chrome Stem	
Valve Seat Insert	Exh	2006-17	21-1250-50	0.965T I.D. 1-1/4 O.D. 1/4 Depth. NOTE: Seat May Need To Be Machined .015"-.020" To Achieve Correct Depth	
Guide	Both	2006-17	30-3029	1.420 OAL.	
Spring	Both	2006-17	32-04060	1.678 Free Length	
Keeper	Both	2006-17	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2006-17	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2006-17	38-3500-45	Viton. Top Hat	
Rocker Component	Both	2006-17	40-2917	Rocker Arm	
Retainer	Both	2006-17	55-7712	0.980 O.D. 0.235 Stem	
LINE 69	145 C.I. (2.4L) DOHC 16V Quad Vin T			1996-02 L4	BORE - 3.54"/89.0mm
Valve	Exh	1996-02	10-1937	1.141 Head Dia.	
	Int	1996-02	10-1941	1.396 Head Dia.	
Valve Seat Insert	Exh	1996-02	21-1250-50	0.965T I.D. 1-1/4 O.D. 1/4 Depth. NOTE: Seat May Need To Be Machined .015"-.020" To Achieve Correct Depth	
Guide	Exh	1996-02	30-8671	1.653 OAL	
	Int	1996-02	30-8670	1.653 OAL	
Spring	Both	1996-02	32-04002	1.800 Free Length.	
Keeper	Both	1996-02	34-07209	1 Round Groove	
Lifter	Both	1996-02	36-2273	Hydraulic Bucket	
Valve Stem Seal	Both	1996-02	38-247-45	Viton. Metal Clad.	
LINE 70	2409cc (2.4L) DOHC 16V Z24XE (non-USA)			2004-08 L4	BORE - 3.45"/87.5mm
Valve	Exh	2004-08	10-2040S	1.142 Head Dia. Bi-Metallic	
	Int	2004-08	10-10784	1.260 Head Dia	
Guide	Exh	2004-08	30-3011	1.378 OAL. Cast Iron.	
	Int	2004-08	30-3010	1.773 OAL. Cast Iron.	
	Exh	2004-08	31-3011	1.378 OAL. Manganese Bronze.	
	Int	2004-08	31-3010	1.773 OAL. Manganese Bronze.	
Spring	Both	2004-08	32-2488	1.673 Free Length.	
Keeper	Both	2004-08	34-5021	3 Round Beads. 0.236 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 70	2409cc (2.4L) DOHC 16V Z24XE (non-USA)			2004-08 L4	BORE - 3.45"/87.5mm
Lifter	Both	2004-08	36-7089	Hydraulic	
Valve Stem Seal	Both	2004-08	38-1329-45	Viton. Metal Clad.	
LINE 71	153 C.I. (2.5L) DOHC 16V Vin A,L LCV			2013-22 L4	BORE - 3.46"/88.0mm
Valve	Exh	2013-22	10-13442	1.142 Head Dia. 0.2345 Stem 4.073 OAL	
	Int	2013-22	10-13441	1.437 Head Dia. 0.2348 Stem 3.776 OAL	
Spring	Both	2013-22	32-5001	1.729 Free Length. Conical	
	Both	2021-22	32-6715	1.791 Free Length. Conical.	
Keeper	Both	2013-22	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Lifter	Both	2013-22	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2013-22	38-6036-55	Viton. Top Hat. ATS '13-16. Impala '17-18	
	Both	2013-17	38-6153-55	Viton. Top Hat. Malibu Only '13-17. Impala '16	
Rocker Component	Both	2013-18	40-2917	Rocker Arm	
Retainer	Both	2013-22	55-6735	Chrome Moly. 0.735 O.D. 0.235 Stem	
LINE 72	2494cc (2.5L) DOHC 24V H25A (Suzuki) Vin 4			1999-04 V6	BORE - 3.31"/84.0mm
Valve	Exh	1999-04	10-10787S	1.102 Head Dia. 0.234 Stem. 3.382 OAL	
	Int	1999-04	10-10786	1.299 Head Dia. 0.235 Stem. 3.396 OAL	
Guide	Both	1999-04	30-8566	1.380 OAL	
Keeper	Both	1999-04	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	1999-04	36-2272	Hydraulic Bucket	
Valve Stem Seal	Both	1999-04	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 73	151 C.I. (2.5L) OHV 8V Pontiac Vin 1,2,5,9			1977-93 L4	BORE - 4.00"/101.6mm
Valve	Exh	1979-86	10-1437	1.500 Head. 0.3415 Stem. 4.620 OAL. 2 Sq. Grooves.	
	Exh	1979-86	10-1437+15	1.500 Head. 0.3565 Stem. 4.620 OAL. 2 Sq. Grooves.	
	Exh	1979-86	10-1437+30	1.500 Head. 0.3715 Stem. 4.620 OAL. 2 Sq. Grooves.	
	Exh	1987-88	10-1550	1.500 Head. 4.355 OAL. 0.3132T Stem. 1 Round Groove	
	Exh	1989-93	10-1591	1.500 Head. 0.3133T Stem. 4.541 OAL. 1G Round.	
	Exh	1989-93	10-1591+15	1.500 Head. 0.3283T Stem. 4.541 OAL. 1G Round.	
	Exh	1989-93	10-1591+3	1.500 Head. 0.3163T Stem. 4.541 OAL. 1G Round.	
	Int	1979-86	10-1438	1.720 Head Dia. 0.3421 Stem. 4.665 OAL. 2 Sq. Groove	
	Int	1979-86	10-1438+15	1.720 Head Dia. 0.3571 Stem. 4.665 OAL. 2 Sq. Groove	
	Int	1979-86	10-1438+30	1.720 Head Dia. 0.3451 Stem. 4.665 OAL. 2 Sq. Groove	
	Int	1987-88	10-1551	1.720 Head. 4.394 OAL. 0.3135 Stem. 1 Round Groove.	
	Int	1989-93	10-1592	1.720 Head Dia. 0.3135 Stem. 4.591 OAL. 1G Round.	
	Int	1989-93	10-1592+15	1.720 Head Dia. 0.3285 Stem. 4.591 OAL. 1G Round.	
Valve Seat Insert	Exh	1977-91	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1977-91	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Exh	1985-93	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Int	1977-93	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1987-93	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
Guide	Both	1977-93	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both	1989-93	30-8040	2.250 OAL. 0.315 I.D.	
	Both	1977-93	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1988-93	32-1301-D	2.093 Free Length. w/ Damper	
	Both	1987-88	32-1374	1.780 Free Length.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 73	151 C.I. (2.5L) OHV 8V Pontiac Vin 1,2,5,9			1977-93 L4 BORE - 4.00"/101.6mm
Spring	Both	1977-86	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1987-93	**34-217**	0.311 Stem Dia. 1 Round Groove. Heat Treated
	Both	1977-86	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1985-93	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up to Install
	Both	1985-93	**36-2148G**	Lifter Guide, Dogbone Type
	Both	1977-84	**36-6005**	Hydraulic
Valve Stem Seal	Both	1977-91	**38-1054-70**	Teflon And Rubber. 11/32 x 0.562
	Both	1977-92	**38-240-25**	Polyacrylic. O-Ring.
	Both	1977-91	**38-252-45**	Viton. Umbrella. 3/8
	Both	1977-91	**38-450-15**	Nitrile. Umbrella.
	Both	1977-91	**38-450-25**	Polyacrylic. Umbrella.
	Both	1977-91	**38-450-45**	Viton. Umbrella.
	Both	1977-91	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1977-91	**38-938-45**	Viton. Ring And Band.
	Both	1977-86	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
	Exh	1987-93	**38-821-45**	Viton. Ring And Band.
	Int	1987-93	**38-819-45**	Viton. Ring And Band.
Push Rod	Both	1977-80	**74-6317**	9.682 Length
	Both	1982-84	**74-6347**	8.976 Length
Expansion Plug Kit		1987-93	**97-120**	Steel Kit.
		1987-93	**97-120B**	Brass Kit.
		1977-86	**97-74**	Steel Kit.
		1977-86	**97-74B**	Brass Kit.
LINE 74	153 C.I. (2.5L) OHV 8V Chev.			1962-70 L4 BORE - 3.88"/98.4mm
Valve	Exh	1962-70	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1962-70	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1962-70	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1963-65	**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face
	Exh	1962-66	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-66	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-66	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-66	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1962-70	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1962-70	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome
	Int	1962-70	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome
	Int	1962-70	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome
	Int	1962-70	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome
Valve Seat Insert	Exh	1962-70	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1962-70	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Int	1962-70	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Both	1962-70	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Exh	1962-70	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1962-70	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1962-70	**32-685-D**	2.050 Free Length. 2nd Des. w/ Damper
Keeper	Both	1962-70	**34-555**	1 Square Groove. Heat Treated

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 74	153 C.I. (2.5L) OHV 8V Chev.			1962-70 L4	BORE - 3.88"/98.4mm
Lifter	Both	1962-66	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
	Both	1962-70	36-992	Mechanical High Performance	
Spring	Both	1962-70	37-4003	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1962-70	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1962-70	38-240-25	Polyacrylic. O-Ring.	
	Both	1962-70	38-450-15	Nitrile. Umbrella.	
	Both	1962-70	38-450-25	Polyacrylic. Umbrella.	
	Both	1962-70	38-450-45	Viton. Umbrella.	
	Both	1962-70	38-925-15	Nitrile. Ring And Band.	
	Both	1962-70	38-925-25	Polyacrylic. Ring And Band.	
	Both	1962-70	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1962-70	40-2844	Rocker Arm. Stamped	
Rocker Kit	Both	1962-70	41-2402	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut	
Rocker Component	Both	1962-70	42-2920	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1962-70	42-2921	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Retainer	Both	1962-70	55-6105	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1962-70	74-6317	9.682 Length	
Expansion Plug Kit		1962-70	97-7	Steel Kit.	
		1962-70	97-7B	Brass Kit.	
LINE 75	166 C.I. (2.7L) DOHC 16V Vin K,L L3B			2019-25 L4	BORE - 3.63"/92.2mm
Keeper	Both	2019-25	34-5021	3 Round Beads. 0.236 Stem Dia.	
LINE 76	169 C.I. (2.8L) DOHC 16V Vortec Vin 8			2004-06 L4	BORE - 3.66"/93.0mm
Valve	Exh	2004-06	10-1999	1.201 Head Dia. 0.2343 Stem	
	Int	2004-06	10-1998	1.457 Head Dia. 0.2347 Stem	
Valve Seat Insert	Exh	2004-06	21-1250-50	0.965T I.D. 1-1/4 O.D. 1/4 Depth. NOTE: Seat May Need To Be Machined .015"-.020" To Achieve Correct Depth	
	Exh	2004-06	21-1250-65	1.030 I.D. 1-1/4 O.D. 0.215 Depth. Opt. OS O.D.	
Guide	Both	2004-06	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2004-06	32-04051	1.770 Free Length	
Keeper	Both	2004-06	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2004-06	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2004-06	38-354-45	Viton. Top Hat.	
Rocker Component	Both	2004-06	40-3901	Rocker Arm	
Retainer	Both	2004-06	55-7712	0.980 O.D. 0.235 Stem	
LINE 77	170 C.I. (2.8L) DOHC 24V Vin 1,4,6,T			2005-11 V6	BORE - 3.50"/89.0mm
Valve	Exh	2005-07	10-13335	1.205 Head Dia. 0.2344 Stem. Nitrided	
	Int	2005-11	10-13211	1.384 Head Dia. 0.2348 Stem	
Guide	Both	2005-11	30-3112	1.655 OAL. 0.2365 I.D. 0.4358 O.D.	
Spring	Both	2005-11	32-5001	1.729 Free Length. Conical	
Keeper	Both	2005-11	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Lifter	Both	2005-11	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2005-11	38-6036-55	Viton. Top Hat	
Retainer	Both	2010-11	55-6735	Chrome Moly. 0.735 O.D. 0.235 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 78	171 C.I. (2.8L) DOHC 16V Vin 1 LWN D TRB			2016-22 L4	BORE - 3.70" /94.0mm
Keeper	Both	2016-22	34-5021	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2016-22	38-1329-45	Metal Clad. Viton. 0.236 Stem	
LINE 79	173 C.I. (2.8L) OHV 12V Chev. Vin 179BLRSWXZ			1980-93 V6	BORE - 3.50"/88.9mm
Valve	Exh	1980-86	10-1394	1.307 Head Dia. 0.3413 Stem Dia. 4.730 OAL	
	Exh	1980-86	10-1394+15	1.307 Head Dia. 0.3563 Stem Dia. 4.730 OAL	
	Exh	1980-86	10-1394+3	1.307 Head Dia. 0.3443 Stem Dia. 4.730 OAL	
	Exh	1980-86	10-1394+30	1.307 Head Dia. 0.3713 Stem Dia. 4.730 OAL	
	Exh	1980-93	10-1480	1.425 Head Dia. 0.3413 Stem. 4.736 OAL. Cast Iron Head	
	Exh	1980-93	10-1480+15	1.425 Head Dia. 0.3563 Stem. 4.736 OAL.	
	Exh	1980-93	10-1480+3	1.425 Head Dia. 0.3443 Stem. 4.736 OAL.	
	Exh	1987-89	10-1560	1.425 Head Dia. 0.3136 Stem. 4.736 OAL. Alum. Head Exc. H.O.	
	Exh	1987-89	10-1560+15	1.425 Head Dia. 0.3286 Stem. 4.736 OAL. Alum. Head Exc. H.O.	
	Exh	1987-89	10-1560+3	1.425 Head Dia. 0.3166 Stem. 4.736 OAL. Alum. Head Exc. H.O.	
	Int	1980-86	10-1395	1.600 Head Dia. 0.3413 Stem Dia. 4.700 OAL	
	Int	1980-86	10-1395+15	1.600 Head Dia. 0.3563 Stem Dia. 4.700 OAL	
	Int	1980-86	10-1395+3	1.600 Head Dia. 0.3443 Stem Dia. 4.700 OAL	
	Int	1980-86	10-1395+30	1.600 Head Dia. 0.3713 Stem Dia. 4.700 OAL	
	Int	1980-93	10-1481	1.718 Head Dia. 0.3412 Stem. 4.705 OAL. Cast Iron Head	
	Int	1980-93	10-1481+15	1.718 Head Dia. 0.3562 Stem. 4.705 OAL.	
	Int	1980-93	10-1481+3	1.718 Head Dia. 0.3442 Stem. 4.705 OAL.	
	Int	1987-89	10-1561	1.718 Head Dia. 0.3140 Stem. 4.706 OAL. Alum. Head Exc. H.O.	
	Int	1987-89	10-1561+3	1.718 Head Dia. 0.3170 Stem. 4.706 OAL. Alum. Head Exc. H.O.	
Valve Seat Insert	Exh	1980-86	20-1437-4	1-1/8 I.D. 1-7/16 O.D. 7/32 Depth, w/ 1.307 Valve Head Dia. Cast Iron Heads	
	Exh	1980-93	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth. w/ 1.426 Valve Head Dia. Cast Iron Heads.	
	Int	1980-86	20-1687-2	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.600 Valve Head.	
	Int	1980-93	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1980-93	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
	Exh	1987-89	21-1500-73	1.230 I.D. 1-1/2 0,D. 0.278 Depth. Alum. Heads	
	Int	1987-89	21-1750-65	1.468 I.D. 1-3/4 O.D. 0.276 Depth. Alum. Heads	
Guide	Both	1987-93	30-8112	2.085 OAL. Alum. Head. 0.316 I.D. +2 O/S Avail.	
	Both	1980-93	30-9560	Cast Iron Heads. 2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1980-86	32-1038-D	1.910 Free Length. w/ Damper	
	Both	1987-89	32-1268	2.110 Free Length. w/o Damper	
Keeper	Both	1980-89	34-217	0.311 Stem Dia. 1 Round Groove. Heat Treated	
	Both	1980-93	34-555	0.341 Stem Dia. 1 Groove. Heat Treated.	
Lifter	Both	1980-93	36-2095	Hydraulic	
Spring	Both	1980-89	37-4003	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1980-93	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1980-93	38-240-25	Polyacrylic. O-Ring.	
	Both	1985-89	38-397-45	Viton. Ring and Band. 0.290 Stem	
	Both	1980-93	38-450-15	Nitrile. Umbrella.	
	Both	1980-93	38-450-25	Polyacrylic. Umbrella.	
	Both	1980-93	38-450-45	Viton. Umbrella.	
	Both	1980-93	38-830-45	Viton. Ring And Band. 5/16 Stem x 0.500	

COMPONENT	I/E/B	YEARS	PART No.	NOTE (see online catalog for latest appl. info.)
LINE 79	**173 C.I. (2.8L) OHV 12V Chev. Vin 179BLRSWXZ**			**1980-93 V6 BORE - 3.50"/88.9mm**
Valve Stem Seal	Both	1980-87	**38-925-15**	Nitrile. Ring And Band.
	Both	1980-87	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1980-93	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1980-93	**38-938-45**	Viton. Ring And Band.
Rocker Kit	Both	1980-93	**41-2407**	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball
Rocker Component	Both	1980-93	**42-2948**	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut
Retainer	Both	1980-93	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1980-93	**74-6342**	6.163 Length
	Both	1987-89	**74-6375**	6.042 Length. Vin W. OEM # 14102522
	Exh	1987-89	**74-6376**	6.389 Length. Vin W. OEM # 14102521
	Int	1987-89	**74-6475**	Exc. Vin W. 5/16 x 5.746 x 0.60
Expansion Plug Kit		1980-93	**97-75**	Steel Kit.
		1980-93	**97-75B**	Brass Kit.
LINE 80	**2921cc (2.9L) DOHC 16V Vin 9**			**2007-12 L4 BORE - 3.76"/95.5mm**
Valve	Exh	2007-12	**10-13046**	1.323 Head Dia.
	Int	2007-12	**10-13179**	1.525 Head Dia. 0.2347 Stem
Guide	Both	2007-12	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.
Spring	Both	2007-12	**32-5008**	1.760 Free Length. Conical
Keeper	Both	2007-12	**34-5021**	3 Round Beads. 0.236 Stem Dia.
Lifter	Both	2007-12	**36-7082**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-12	**38-6995-45**	Viton. Top Hat.
Rocker Component	Both	2007-12	**40-3901**	Rocker Arm
Retainer	Both	2007-12	**55-6735**	Chrome Moly. 0.735 O.D. 0.235 Stem
LINE 81	**181 C.I. (3.0L) OHV 12V Buick Vin E,L**			**1982-88 V6 BORE - 3.80"/96.5mm**
Valve	Exh	1982-88	**10-1387**	1.500 Head Dia. 0.3408 Stem. 4.718 OAL. Seal Groove.
	Exh	1982-88	**10-1387+15**	1.500 Head Dia. 0.3558 Stem. 4.718 OAL. Seal Groove.
	Exh	1982-88	**10-1387+3**	1.500 Head Dia. 0.3438 Stem. 4.718 OAL. Seal Groove.
	Exh	1982-88	**10-1389**	1.500 Head Dia. 0.3408 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1982-88	**10-1389+15**	1.500 Head Dia. 0.3558 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1982-88	**10-1389+3**	1.500 Head Dia. 0.3438 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1982-88	**10-1389+30**	1.500 Head Dia. 0.3708 Stem. 4.718 OAL. w/o Seal Groove
	Int	1982-88	**10-1388**	1.710 Head Dia. 0.3407 Stem. 4.713 OAL. 1G Square.
	Int	1982-88	**10-1388+15**	1.710 Head Dia. 0.3557 Stem. 4.713 OAL. 1G Square.
	Int	1982-88	**10-1388+3**	1.710 Head Dia. 0.3437 Stem. 4.713 OAL. 1G Square.
	Int	1982-88	**10-1388+30**	1.710 Head Dia. 0.3707 Stem. 4.713 OAL. 1G Square.
Valve Seat Insert	Exh	1982-88	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1982-88	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1985-88	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1982-88	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Exh	1982-88	**30-9604**	2.625 OAL. Spiral 0.344 I.D. 30-5604 Plain I.D. Also Avail.
	Int	1982-88	**30-9459**	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.
Spring	Both	1983-86	**32-1268**	2.110 Free Length.
Keeper	Both	1982-88	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1982-88	**36-6005**	Hydraulic
Valve Stem Seal	Both	1982-88	**38-1054-70**	Teflon And Rubber.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 81	181 C.I. (3.0L) OHV 12V Buick Vin E,L				1982-88 V6 BORE - 3.80"/96.5mm
Valve Stem Seal	Both	1988-88	38-830-45	Viton. Ring And Band.	
	Both	1982-88	38-938-25	Polyacrylic. Ring And Band.	
	Both	1982-88	38-938-45	Viton. Ring And Band.	
	Both	1982-88	38-956-45	Viton. Ring And Band. w/ 0.605 Guide O.D.	
Expansion Plug Kit		1982-88	97-119	Steel Kit.	
		1982-88	97-119B	Brass Kit.	
LINE 82	183 C.I. (3.0L) Diesel DOHC 24V Vin 8,T TRB				2020-25 L6 BORE - 3.30"/84.0mm
Keeper	Both	2020-25	34-5033	3 Round Beads. 0.196 Stem Dia.	
LINE 83	2997cc (3.0L) DOHC 24V Vin 5,G,Y				2010-14 V6 BORE - 3.50"/89.0mm
Valve	Exh	2010-14	10-13212	1.205 Head Dia. 0.2344 Stem	
	Int	2010-14	10-13211	1.384 Head Dia. 0.2348 Stem	
Guide	Both	2010-14	30-3112	1.655 OAL. 0.2365 I.D. 0.4358 O.D.	
Spring	Both	2010-14	32-5001	1.729 Free Length. Conical	
	Both	2010-14	32-5008	1.760 Free Length. Conical	
Keeper	Both	2010-14	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Lifter	Both	2010-14	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2010-14	38-6036-55	Viton. Top Hat	
Rocker Component	Both	2010-14	40-3901	Rocker Arm	
Retainer	Both	2010-14	55-6735	Chrome Moly. 0.735 O.D. 0.235 Stem	
LINE 84	182 C.I. (3.0L) DOHC 24V Vin 6,W				2016-25 V6 BORE - 3.39"/86.0mm
Spring	Both	2016-22	32-6700	1.783 Free Length. Conical	
Keeper	Both	2016-25	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2016-25	36-7082	Hydraulic. 1.048 OAL Lash Adjuster Excludes Cyl. Deac.	
Valve Stem Seal	Both	2016-25	38-6509-55	Viton. Top Hat	
LINE 85	181 C.I. (3.0L) DOHC 24V Vin B,R F.I.				1997-05 V6 BORE - 3.39"/ 86.0mm
Valve	Exh	1997-05	10-2040S	1.142 Head Dia. Stellite	
	Int	1997-05	10-10784	1.260 Head Dia.	
Valve Seat Insert	Exh	1997-05	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth. Machine Depth	
	Int	1997-05	22-1375-1	1.100 I.D. 1.375 O.D. 0.227 Depth. +010 O/S Avail. OEM # 3942298	
Guide	Exh	1997-05	30-3011	1.378 OAL. Cast Iron.	
	Int	1997-05	30-3010	1.773 OAL. Cast Iron.	
	Exh	1997-05	31-3011	1.378 OAL. Manganese Bronze.	
	Int	1997-05	31-3010	1.773 OAL. Manganese Bronze.	
Spring	Both	1997-05	32-2488	1.673 Free Length.	
Keeper	Both	1997-05	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1997-05	36-7089	Hydraulic Bucket	
Valve Stem Seal	Both	1997-05	38-1329-45	Viton. Metal Clad.	
LINE 86	189 C.I. (3.1L) OHV 12V Chev. Vin D,T,V,W				1988-95 V6 BORE - 3.50"/88.9mm
Valve	Exh	1988-95	10-1480	1.425 Head Dia. 0.3413 Stem. 4.736 OAL. Cast Iron Head	
	Exh	1988-95	10-1480+15	1.425 Head Dia. 0.3563 Stem. 4.736 OAL.	
	Exh	1988-95	10-1480+3	1.425 Head Dia. 0.3443 Stem. 4.736 OAL.	
	Exh	1988-94	10-1560	1.425 Head Dia. 0.3136 Stem. 4.736 OAL. Alum. Head Exc. H.O.	
	Exh	1988-94	10-1560+15	1.425 Head Dia. 0.3286 Stem. 4.736 OAL. Alum. Head Exc. H.O.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 86	189 C.I. (3.1L) OHV 12V Chev. Vin D,T,V,W			1988-95 V6	BORE - 3.50"/88.9mm
Valve	Exh	1988-94	**10-1560+3**	1.425 Head Dia. 0.3166 Stem. 4.736 OAL. Alum. Head Exc. H.O.	
	Int	1988-95	**10-1481**	1.718 Head Dia. 0.3412 Stem. 4.705 OAL. Cast Iron Head	
	Int	1988-95	**10-1481+15**	1.718 Head Dia. 0.3562 Stem. 4.705 OAL.	
	Int	1988-95	**10-1481+3**	1.718 Head Dia. 0.3442 Stem. 4.705 OAL.	
	Int	1988-94	**10-1561**	1.718 Head Dia. 0.3140 Stem. 4.706 OAL. Alum. Head Exc. H.O.	
	Int	1988-94	**10-1561+3**	1.718 Head Dia. 0.3170 Stem. 4.706 OAL. Alum. Head Exc. H.O.	
Valve Seat Insert	Exh	1988-95	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth. Cast Iron Heads.	
	Int	1988-95	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1988-95	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
	Exh	1988-94	**21-1500-73**	1.230 I.D. 1-1/2 0,D. 0.278 Depth. Alum. Heads	
	Int	1988-94	**21-1750-65**	1.468 I.D. 1-3/4 O.D. 0.276 Depth. Alum. Heads	
Guide	Both	1988-95	**30-8112**	2.085 OAL. Alum. Head. 0.316 I.D. +2 O/S Avail.	
	Both	1988-95	**30-9560**	Cast Iron Heads. 2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1993-93	**32-1265**	1.965 Free Length. Conical	
	Both	1988-95	**32-1268**	2.110 Free Length. Exc. '90-92 Camaro, Firebird.	
Keeper	Both	1988-95	**34-217**	0.311 Stem Dia. 1 Round Groove. Heat Treated	
	Both	1988-95	**34-555**	0.341 Stem Dia. 1 Groove. Heat Treated	
Lifter	Both	1988-95	**36-2095**	Hydraulic	
Valve Stem Seal	Both	1989-94	**38-397-45**	Viton. Ring and Band. 0.290 Stem	
	Both	1988-95	**38-450-15**	Nitrile. Umbrella.	
	Both	1988-95	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1988-95	**38-450-45**	Viton. Umbrella.	
	Both	1988-95	**38-830-45**	Viton. Ring And Band.	
Rocker Kit	Both	1988-95	**41-2407**	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball	
Rocker Component	Both	1988-95	**42-2948**	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut	
Retainer	Both	1988-94	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem	
	Both	1988-94	**55-6198**	Chrome Moly. 1.038 O.D. 8mm Stem	
Push Rod	Both	1988-95	**74-6342**	6.163 Length	
	Exh	1988-94	**74-6376**	6.389 Length. '93 w/ Alum. Head. OEM # 14102521	
	Int	1988-94	**74-6375**	6.042 Length. '93 w/ Alum. Head. OEM # 14102522	
Expansion Plug Kit		1988-95	**97-128**	Steel Kit.	
		1988-95	**97-128B**	Brass Kit.	
LINE 87	189 C.I. (3.1L) OHV 12V Chev. Vin J, M			1993-05 V6	BORE - 3.50"/88.9mm
Valve	Exh	1993-05	**10-1811**	1.425 Head Dia. 0.3132 Stem. 4.736 OAL. 0.189 Tip To Groove	
	Exh	1993-05	**10-1811+15**	1.425 Head Dia. 0.3282 Stem. 4.736 OAL. 0.189 Tip To Groove	
	Exh	1993-05	**10-1811+3**	1.425 Head Dia. 0.3162 Stem. 4.736 OAL. 0.189 Tip To Groove	
	Int	1994-99	**10-1810**	1.718 Head Dia. 0.3139 Stem 4.713 OAL. 0.184 Tip To Groove.	
	Int	1994-99	**10-1810+15**	1.718 Head Dia. 0.3289 Stem 4.713 OAL. 0.184 Tip To Groove.	
	Int	2000-05	**10-1929**	1.760 Head Dia. 0.3139 Stem. 4.684 OAL.	
Valve Seat Insert	Exh	1993-05	**21-1500-73**	1.230 I.D. 1-1/2 O.D. 0.278 Depth	
	Int	1994-99	**21-1750-65**	1.468 I.D. 1-3/4 O.D. 0.276 Depth	
	Int	2000-05	**21-1812-55**	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
Guide	Both	2000-05	**30-3067**	0.3155 I.D., 0.5525 O.D., 2.085 OAL	
	Both	1993-99	**30-8112**	2.085 OAL. Alum. Head. 0.316 I.D. +2 O/S Avail.	
Spring	Both	1993-05	**32-1265**	1.965 Free Length. Conical	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 87	189 C.I. (3.1L) OHV 12V Chev. Vin J, M			1993-05 V6 BORE - 3.50"/88.9mm
Keeper	Both	1993-05	34-5005	0.314 Stem. Round Bead in Middle.
Lifter	Both	1993-05	36-2270	Hydraulic Roller
Valve Stem Seal	Both	1993-99	38-031-45	Top Hat. Viton
	Both	2000-05	38-809-45	Viton. Top Hat
Retainer	Both	1993-05	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Exh	1993-05	74-6474	6.074 Length
	Int	1993-05	74-6475	5.746 Length
Expansion Plug Kit		1993-05	97-128	Steel Kit.
		1993-05	97-128B	Brass Kit.
LINE 88	194 C.I. (3.2L) OHV 12V Chev.			1962-67 L6 BORE - 3.50"/90.5mm
Valve	Exh	1962-67	10-1192	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1962-67	10-1192+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1962-67	10-1206S	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1962-67	10-400	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-67	10-400+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-67	10-400+3	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-67	10-400+30	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1962-67	10-1193	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1962-67	10-399	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome
	Int	1962-67	10-399+15	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome
	Int	1962-67	10-399+3	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome
	Int	1962-67	10-399+30	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome
Valve Seat Insert	Exh	1962-67	20-1562-2	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1962-67	20-1562-2N	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Int	1962-67	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Exh	1962-67	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1962-67	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1962-67	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1962-64	32-685-D	2.050 Free Length. w/ Damper
Keeper	Both	1962-67	34-555	1 Square Groove. Heat Treated
Lifter	Both	1962-67	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1962-67	36-992	Mechanical High Performance
Valve Stem Seal	Both	1962-67	38-1054-70	Teflon And Rubber. Guide O.D. 0.562
	Both	1962-67	38-240-25	Polyacrylic. O-Ring.
	Both	1962-67	38-450-15	Nitrile. Umbrella.
	Both	1962-67	38-450-25	Polyacrylic. Umbrella.
	Both	1962-67	38-450-45	Viton. Umbrella.
	Both	1962-67	38-925-15	Nitrile. Ring And Band.
	Both	1962-67	38-925-25	Polyacrylic. Ring And Band.
	Both	1962-67	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Rocker Component	Both	1962-67	40-2844	Rocker Arm. Stamped
Rocker Kit	Both	1962-67	41-2402	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut
Rocker Component	Both	1962-67	42-2920	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1962-67	42-2921	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Retainer	Both	1962-67	55-6105	Chrome Moly. 1.200 O.D. 11/32 Stem

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 88	**194 C.I. (3.2L) OHV 12V Chev.**			**1962-67 L6 BORE - 3.50"/90.5mm**
Push Rod	Both	1962-67	**74-6317**	9.682 Length
Expansion Plug Kit		1962-67	**97-7**	Steel Kit.
		1962-67	**97-7B**	Brass Kit.
LINE 89	**195 C.I. (3.2L) OHV 8V**			**1961-63 L4 BORE - 4.06"/103.0mm**
Spring	Both	1961-63	**32-577**	1.760 Free Length. Inner.
Keeper	Both	1961-63	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1961-63	**36-951**	Hydraulic
Valve Stem Seal	Both	1961-63	**38-1065-70**	Teflon And Rubber.
	Both	1961-63	**38-240-25**	Polyacrylic. O-Ring.
	Both	1961-63	**38-450-15**	Nitrile. Umbrella.
	Both	1961-63	**38-450-25**	Polyacrylic. Umbrella.
	Both	1961-63	**38-450-45**	Viton. Umbrella.
LINE 90	**197 C.I. (3.2L) DOHC 24V Cad. Vin N**			**2003-05 V6 BORE - 3.44"/87.5mm**
Valve	Exh	2003-05	**10-2040S**	1.142 Head Dia. Bi-Metallic, Stellite
	Int	2003-05	**10-10784**	1.260 Head Dia.
Guide	Exh	2003-05	**30-3011**	1.378 OAL. Cast Iron.
	Int	2003-05	**30-3010**	1.773 OAL. Cast Iron.
	Exh	2003-05	**31-3011**	1.378 OAL. Manganese Bronze.
	Int	2003-05	**31-3010**	1.773 OAL. Manganese Bronze.
Spring	Both	2003-05	**32-2488**	1.673 Free Length.
Keeper	Both	2003-05	**34-5021**	3 Round Beads. 0.236 Stem Dia.
Lifter	Both	2003-05	**36-7089**	Hydraulic
Valve Stem Seal	Both	2003-05	**38-1329-45**	Viton. Metal Clad.
LINE 91	**196 C.I. (3.2L) OHV 12V Buick Vin C**			**1978-79 V6 BORE - 3.54"/90.0mm**
Valve	Exh	1978-78	**10-1352**	1.425 Head Dia.
	Exh	1979-79	**10-1387**	1.500 Head Dia. 0.3408 Stem. 4.718 OAL. Seal Groove.
	Exh	1979-79	**10-1387+15**	1.500 Head Dia. 0.3558 Stem. 4.718 OAL. Seal Groove.
	Exh	1979-79	**10-1387+3**	1.500 Head Dia. 0.3438 Stem. 4.718 OAL. Seal Groove.
	Int	1979-79	**10-1388**	1.710 Head Dia. 0.3407 Stem. 4.713 OAL. 1G Square.
	Int	1979-79	**10-1388+15**	1.710 Head Dia. 0.3557 Stem. 4.713 OAL. 1G Square.
	Int	1979-79	**10-1388+3**	1.710 Head Dia. 0.3437 Stem. 4.713 OAL. 1G Square.
	Int	1979-79	**10-1388+30**	1.710 Head Dia. 0.3707 Stem. 4.713 OAL. 1G Square.
Valve Seat Insert	Exh	1978-79	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth. w/ 1.426 Valve Head Dia. Cast Iron Heads.
	Exh	1978-79	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1978-79	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Int	1978-79	**20-1750-1**	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth, w/ 1.625 Valve Head Dia.
	Int	1978-79	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.710 Valve Head Dia.
Guide	Exh	1978-79	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Exh	1978-79	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
	Int	1978-79	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1978-79	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Keeper	Both	1978-79	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1978-79	**36-6005**	Hydraulic
Valve Stem Seal	Both	1978-79	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 91	**196 C.I. (3.2L) OHV 12V Buick Vin C**			**1978-79 V6 BORE - 3.54"/90.0mm**
Valve Stem Seal	Both	1978-79	**38-231-25**	Polyacrylic. 2-Ring.
	Both	1978-79	**38-450-15**	Nitrile. Umbrella.
	Both	1978-79	**38-450-25**	Polyacrylic. Umbrella.
	Both	1978-79	**38-450-45**	Viton. Umbrella.
Expansion Plug Kit		1978-79	**97-119**	Steel Kit.
		1978-79	**97-119B**	Brass Kit.
LINE 92	**200 C.I. (3.3L) OHV 12V Chev. Vin M**			**1978-79 V6 BORE - 3.50"/88.9mm**
Valve	Exh	1978-79	**10-1371**	1.380 Head Dia. 0.3413T Stem. 4.920 OAL
	Exh	1978-79	**10-1371+30**	1.380 Head Dia. 0.3713T Stem. 4.920 OAL
	Int	1978-79	**10-1372**	1.600 Head Dia. 0.3413 Stem. 4.880 OAL.
	Int	1978-79	**10-1372+15**	1.600 Head Dia. 0.3563 Stem. 4.880 OAL.
Valve Seat Insert	Exh	1978-79	**20-1437-2**	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1978-79	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Exh	1978-79	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1978-79	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1978-79	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1978-79	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper
	Both	1978-79	**32-880-D**	2.030 Free Length. w/ Damper
	Both	1978-79	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.
Keeper	Both	1978-79	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1978-79	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Spring	Both	1978-79	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1978-79	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.
	Both	1978-79	**38-240-25**	Polyacrylic. O-Ring.
	Both	1978-79	**38-450-15**	Nitrile. Umbrella.
	Both	1978-79	**38-450-25**	Polyacrylic. Umbrella.
	Both	1978-79	**38-450-45**	Viton. Umbrella.
	Both	1978-79	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1978-79	**38-938-45**	Viton. Ring And Band.
	Both	1978-79	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Rocker Component	Both	1978-79	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole
Rocker Kit	Both	1978-79	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
Rocker Component	Both	1978-79	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1978-79	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Push Rod	Both	1978-79	**74-6034**	7.798 Length
Expansion Plug Kit		1978-79	**97-87**	Steel Kit.
		1978-79	**97-87B**	Brass Kit.
LINE 93	**204 C.I. (3.3L) OHV 12V Buick Vin N**			**1989-93 V6 BORE - 3.70"/94.0mm**
Valve	Exh	1989-93	**10-1710**	1.490 Head Dia. 0.3408 Stem. 4.727 OAL.
	Exh	1989-93	**10-1710+15**	1.490 Head Dia. 0.3558 Stem. 4.727 OAL.
	Int	1989-93	**10-1711**	1.710 Head Dia.
Valve Seat Insert	Exh	1989-93	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1989-93	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Both	1989-93	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Keeper	Both	1989-93	**34-555**	1 Square Groove. Heat Treated.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 93	204 C.I. (3.3L) OHV 12V Buick Vin N			1989-93 V6 BORE - 3.70"/94.0mm
Lifter	Both	1989-93	36-2148	Hydraulic Roller. Rotate Oil Hole Up To Install
	Both	1989-93	36-2148G	Lifter Guide, Dogbone Type
Valve Stem Seal	Both	1989-93	38-956-45	Viton. Ring And Band.
	Exh	1989-93	38-829-45	Viton. Ring And Band.
	Int	1989-93	38-938-25	Polyacrylic. Ring And Band.
	Int	1989-93	38-938-45	Viton. Ring And Band.
Expansion Plug Kit		1989-93	97-123	Steel Kit.
		1989-93	97-123B	Brass Kit.
LINE 94	207 C.I. (3.4L) DOHC 24V Vin X			1991-97 V6 BORE - 3.62"/92.0mm
Valve	Exh	1991-97	10-1702	1.260 Head Dia. 0.2739 Stem
	Int	1991-97	10-1703	1.437 Head Dia. 0.2742 Stem
Valve Seat Insert	Exh	1991-97	21-1375-56	1.102 I.D. 1-3/8 O.D. 0.260 Depth.
	Int	1991-97	21-1500-73	1.230 I.D. 1-1/2 O.D. 0.278 Depth
Guide	Both	1991-97	30-8593	1.640 OAL
Lifter	Both	1996-97	36-2273	Hydraulic Bucket. 1.298 O.D. 2nd Design
Valve Stem Seal	Both	1991-97	38-240-25	Polyacrylic. O-Ring.
	Both	1991-97	38-827-45	Viton. Metal Clad.
	Both	1991-97	38-938-25	Polyacrylic. Ring And Band.
	Both	1991-97	38-938-45	Viton. Ring And Band.
Expansion Plug Kit		1991-97	97-154	Steel Kit.
		1991-97	97-154B	Brass Kit.
LINE 95	207 C.I. (3.4L) OHV 12V Vin E,F,S,8			1993-09 V6 BORE - 3.62"/92.0mm
Valve	Exh	1993-95	10-1480	1.425 Head Dia. 0.3413 Stem. 4.736 OAL. Cast Iron Head
	Exh	1993-95	10-1480+15	1.425 Head Dia. 0.3563 Stem. 4.736 OAL.
	Exh	1993-95	10-1480+3	1.425 Head Dia. 0.3443 Stem. 4.736 OAL.
	Exh	1994-09	10-1811	1.425 Head Dia. 0.3132 Stem. 4.736 OAL. 0.189 Tip To Groove
	Exh	1994-09	10-1811+15	1.425 Head Dia. 0.3282 Stem. 4.736 OAL. 0.189 Tip To Groove
	Exh	1994-09	10-1811+3	1.425 Head Dia. 0.3162 Stem. 4.736 OAL. 0.189 Tip To Groove
	Int	1993-95	10-1481	1.718 Head Dia. 0.3412 Stem. 4.705 OAL. Cast Iron Head
	Int	1993-95	10-1481+15	1.718 Head Dia. 0.3562 Stem. 4.705 OAL.
	Int	1993-95	10-1481+3	1.718 Head Dia. 0.3442 Stem. 4.705 OAL.
	Int	1994-97	10-1810	1.718 Head Dia. 0.3139 Stem 4.713 OAL. 0.184 Tip To Groove.
	Int	1994-97	10-1810+15	1.718 Head Dia. 0.3289 Stem 4.713 OAL. 0.184 Tip To Groove.
	Int	1998-09	10-1929	1.760 Head Dia. 0.314 Stem
Valve Seat Insert	Exh	1993-95	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Exh	1996-09	20-1500-3	1-1/4 I.D. 1-1/2 O.D. 1/4 Depth. +3, +30 O/S
	Int	1996-09	20-1812-1	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. +20 O/S Avail.
	Int	1993-95	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 7/32 Depth
	Int	1993-95	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Exh	1996-09	21-1500-73	1.230 I.D. 1-1/2 0,D. 0.278 Depth
	Int	1996-09	21-1750-65	1.468 I.D. 1-3/4 O.D. 0.276 Depth
	Int	1996-09	21-1812-55	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.
Guide	Both	2000-09	30-3067	2.085 OAL. 0.3155 I.D. 0.5525 O.D.
	Both	1994-99	30-8112	2.085 OAL +2 O/S Avail.
	Both	1993-95	30-9560	2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 95	207 C.I. (3.4L) OHV 12V Vin E,F,S,8			1993-09 V6	BORE - 3.62"/92.0mm
Spring	Both	1996-09	32-1265	1.965 Free Length. Conical	
Keeper	Both	1994-09	34-5005	0.314 Stem. Round Bead in Middle.	
	Both	1993-95	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1993-94	36-2095	Hydraulic	
	Both	1995-09	36-2270	Hydraulic Roller	
Valve Stem Seal	Both	1996-99	38-031-45	Top Hat. Viton	
	Both	2000-09	38-809-45	Viton. Top Hat	
	Both	1993-95	38-827-45	Viton. Metal Clad. Vin S	
	Both	1993-95	38-925-15	Nitrile. Ring And Band.	
	Both	1993-95	38-925-25	Polyacrylic. Ring And Band.	
Rocker Kit	Both	1993-95	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball	
Rocker Component	Both	1993-95	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut	
Retainer	Both	1996-09	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem	
Push Rod	Both	1993-95	74-6342	6.163 Length. Vin S	
	Exh	1996-09	74-6474	6.074 Length	
	Int	1996-09	74-6475	5.746 Length	
LINE 96	3471cc (3.5L) SOHV 24V (Honda) J35			2004-07 V6	BORE - 3.50"/89.0mm
Valve	Exh	2004-07	10-10779	1.181 Head Dia.	
	Int	2004-07	10-10778	1.378 Head Dia.	
Guide	Exh	2004-07	30-8157	2.130 OAL. 0.436 O.D.	
	Int	2004-07	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2004-07	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2004-07	38-592-55	Viton. Metal Clad	
LINE 97	213 C.I. (3.5L) OHV 12V Vin 8,L			2004-07 V6	BORE - 3.70"/94.0mm
Valve	Exh	2004-07	10-2173	1.425 Head Dia.	
	Int	2004-07	10-2172	1.760 Head Dia.	
Keeper	Both	2004-07	34-5005	0.314 Stem. Round Bead in Middle.	
Lifter	Both	2004-07	36-2270	Hydraulic Roller	
Valve Stem Seal	Both	2004-07	38-809-45	Viton. Top Hat	
Push Rod	Exh	2004-07	74-6474	6.074 Length. 5/16 x 0.060	
	Int	2004-07	74-6475	5.746 Length. 5/16 x 0.060	
LINE 98	211 C.I. (3.5L) DOHC 20V Vortec Vin 6			2004-06 L5	BORE - 3.66"/93.0mm
Valve	Exh	2004-06	10-1999	1.201 Head Dia. 0.2343 Stem	
	Int	2004-06	10-1998	1.457 Head Dia. 0.2347 Stem	
Valve Seat Insert	Exh	2004-06	21-1250-50	0.965T I.D. 1-1/4 O.D. 1/4 Depth. NOTE: Seat May Need To Be Machined .015"-.020" To Achieve Correct Depth	
	Exh	2004-06	21-1250-65	1.030 I.D. 1-1/4 O.D. 0.215 Depth. Opt. OS O.D.	
Guide	Both	2004-06	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2004-06	32-04051	1.770 Free Length	
Keeper	Both	2004-06	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2004-06	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2004-06	38-354-45	Viton. Top Hat.	
Rocker Component	Both	2004-06	40-3901	Rocker Arm	
Retainer	Both	2004-06	55-7712	0.980 O.D. 0.235 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 99	214 C.I. (3.5L) DOHC 24V Vin H			1999-02 V6	BORE - 3.52"/89.5mm
Valve	Exh	1999-02	10-2054	1.103 Head Dia.	
	Int	1999-02	10-2053	1.426 Head Dia.	
Keeper	Both	1999-02	34-07209	1 Round Groove	
Lifter	Both	1999-02	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1999-02	38-354-45	Viton. Top Hat.	
Rocker Component	Both	1999-02	40-2917	Rocker Arm	
LINE 100	214 C.I. (3.5L) OHV 12V VVT Vin K,N			2006-11 V6	BORE - 3.89"/99.0mm
Valve	Exh	2006-11	10-13044	1.523 Head Dia.	
	Int	2006-11	10-13043	1.870 Head Dia.	
Valve Seat Insert	Int	2006-11	21-1937-55	1.640T I.D. 1-15/16 O.D. 0.290 Machine to Depth	
Guide	Both	2006-11	30-3053	2.115 OAL. 0.3154 I.D. 0.500 O.D.	
	Both	2006-11	30-3053H	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened	
Spring	Both	2006-11	32-6607	2.081 Free Length. Conical W/ External Shroud.	
Keeper	Both	2006-11	34-5005	0.314 Stem. Round Bead in Middle.	
Lifter	Both	2006-11	36-2270	Hydraulic Roller	
Valve Stem Seal	Exh	2006-11	38-901-45	Viton. Top Hat	
	Int	2006-11	38-900-45	Viton. Top Hat	
Rocker Component	Both	2006-11	40-2901	Rocker Arm, w/ Pivot, 8mm Bolt	
LINE 101	215 C.I (3.5L) OHV 16V Buick			1961-63 V8	BORE - 3.50"/89.0mm
Valve Seat Insert	Exh	1961-63	20-1437-3	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1961-63	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
Spring	Both	1961-63	32-685-D	2.050 Free Length. w/ Damper	
Valve Stem Seal	Both	1962-63	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
LINE 102	215 C.I. (3.5L) OHV 12V Pontiac			1964-65 L6	BORE - 3.75"/95.2mm
Valve	Exh	1964-65	10-1192	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1964-65	10-1192+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1964-65	10-1206S	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh	1964-65	10-400	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1964-65	10-400+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1964-65	10-400+3	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1964-65	10-400+30	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.	
	Int	1964-65	10-1193	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int	1964-65	10-399	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome	
	Int	1964-65	10-399+15	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome	
	Int	1964-65	10-399+3	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome	
	Int	1964-65	10-399+30	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1964-65	20-1562-2	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1964-65	20-1562-2N	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1964-65	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh	1964-65	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1964-65	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1964-65	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Keeper	Both	1964-65	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1964-65	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 102	**215 C.I. (3.5L) OHV 12V Pontiac**			**1964-65 L6 BORE - 3.75"/95.2mm**
Valve Stem Seal	Both	1964-65	**38-240-25**	Polyacrylic. O-Ring.
Rocker Component	Both	1964-65	**40-2844**	Rocker Arm. Stamped
Rocker Kit	Both	1964-65	**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut
Rocker Component	Both	1964-65	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1964-65	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Push Rod	Both	1964-65	**74-6317**	9.682 Length
LINE 103	**217 C.I. (3.5L) OHV 12V Chev.**			**1937-53 L6 BORE - 3.40"/88.9mm**
Valve	Exh	1950-53	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1950-53	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1950-53	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1947-53	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1947-53	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1947-53	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1947-53	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1941-52	**10-199**	1.641 Head Dia.
Valve Seat Insert	Exh	1937-53	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1937-53	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Int	1937-53	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Exh	1938-40	**30-1476**	2.188 OAL. 0.5655 O.D.
	Exh	1941-53	**30-1527**	2.438 OAL
	Int	1938-40	**30-1453**	3.219 OAL
	Int	1941-53	**30-1732**	3.344 OAL
Spring	Both	1937-53	**32-558**	2.250 Free Length.
Keeper	Both	1942-53	**34-555**	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1937-53	**38-240-25**	Polyacrylic. O-Ring.
Expansion Plug Kit		1937-53	**97-60**	Steel Kit.
		1937-53	**97-60B**	Brass Kit.
LINE 104	**217 C.I. (3.6L) DOHC 24V Vin 378BDPVWY**			**2004-24 V6 BORE - 3.70"/94.0mm**
Valve	Exh	2012-23	**10-13212**	1.205 Head Dia. 0.2344 Stem. 3.748 OAL
	Exh	2004-17	**10-13335**	1.205 Head Dia. 0.2344 Stem. 3.824 OAL. Nitrided
	Int	2012-24	**10-13333**	1.510 Head Dia. 0.2346 Stem. 3.950 OAL
	Int	2004-17	**10-13334**	1.457 Head Dia. 0.2348 Stem 3.975 OAL
Guide	Both	2004-20	**30-3112**	1.655 OAL. 0.2365 I.D. 0.4358 O.D.
Spring	Both	2004-22	**32-5001**	1.729 Free Length. Conical
	Both	2012-15	**32-5008**	1.760 Free Length. Conical
	Both	2021-24	**32-6715**	1.791 Free Length. Conical.
Keeper	Both	2004-24	**34-5032**	1 Round Mid Bead. 0.235 Stem Dia.
Lifter	Both	2004-24	**36-7082**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2004-24	**38-6036-55**	Viton. Top Hat.
	Both	2016-19	**38-6509-55**	Viton. Top Hat
Rocker Component	Both	2004-24	**40-3901**	Rocker Arm
Retainer	Both	2004-15	**55-6735**	Chrome Moly. 0.735 O.D. 0.235 Stem
LINE 105	**222 C.I. (3.6L) DOHC 24V Vin S LGX/Z**			**2017-25 V6 BORE - 3.74"/95.0mm**
Valve	Exh	2017-25	**10-13468**	1.240 Head Dia.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 105	**222 C.I. (3.6L) DOHC 24V Vin S LGX/Z**			**2017-25 V6**	**BORE - 3.74"/95.0mm**
Valve	Int	2017-25	**10-13467**	1.551 Head Dia.	
Spring	Both	2017-25	**32-6700**	1.783 Free Length. Conical	
Keeper	Both	2017-25	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2017-25	**36-7082**	Hydraulic. 1.048 OAL Lash Adjuster	
Valve Stem Seal	Both	2017-25	**38-6509-55**	Viton. Top Hat	
LINE 106	**223 C.I. (3.7L) DOHC 20V VVT Vin E**			**2007-12 L5**	**BORE - 3.75"/95.5mm**
Valve	Exh	2007-12	**10-13046**	1.323 Head Dia.	
	Int	2007-12	**10-13179**	1.525 Head Dia. 0.2347 Stem	
Guide	Both	2007-12	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2007-12	**32-5008**	1.760 Free Length. Conical	
Keeper	Both	2007-12	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2007-12	**36-7082**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-12	**38-6995-45**	Viton. Top Hat.	
Rocker Component	Both	2007-12	**40-3901**	Rocker Arm	
LINE 107	**224 C.I. (3.7L) OHV 16V**			**1955-56 V8**	**BORE - 3.56"/90.4mm**
Guide	Exh	1955-56	**30-1689**	2.625 OAL. 0.3445 I.D. 0.5645 O.D.	
	Int	1955-56	**30-1690**	3.000 OAL. 0.3435 I.D. 0.5645 O.D.	
Keeper	Both	1955-56	**34-555**	1 Square Groove. Heat Treated. OEM # 206880.	
Valve Stem Seal	Both	1955-56	**38-1065-70**	Teflon And Rubber.	
	Both	1955-56	**38-450-15**	Nitrile. Umbrella.	
	Both	1955-56	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1955-56	**38-450-45**	Viton. Umbrella.	
LINE 108	**225 C.I. (3.7L) OHV 12V Buick**			**1964-67 V6**	**BORE - 3.75"/95.2mm**
Valve	Exh	1965-67	**10-976**	1.375 Head Dia.	
	Int	1965-67	**10-975**	1.625 Head Dia.	
Valve Seat Insert	Exh	1964-67	**20-1437-3**	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.	
	Int	1964-67	**20-1750-1**	1-1/2 I.D. 1-3/4 O.D. 1/4 Depth.	
Guide	Both	1964-67	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.	
	Both	1964-67	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.	
	Exh	1964-67	**30-7460**	2.500 OAL 0.3430 Plain I.D. 0.5020 O.D. Conversion Guide	
	Exh	1964-67	**30-9460**	2.500 OAL. Spiral I.D.	
Valve Stem Seal	Both	1964-67	**38-937-15**	Nitrile. Ring And Band.	
	Both	1964-67	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1964-67	**38-938-45**	Viton. Ring And Band.	
	Both	1964-65	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Expansion Plug Kit		1964-67	**97-57**	Steel Kit.	
		1964-67	**97-57B**	Brass Kit.	
LINE 109	**228 C.I. (3.7L) OHV 12V**			**1940-53 L6**	**BORE - 3.56"/90.5mm**
Guide	Both	1940-49	**30-1476**	2.188 OAL. 0.5655 O.D.	
	Both	1950-53	**30-1758**	2.188 OAL. 0.3435 I.D. 0.5650 O.D.	
Spring	Both	1940-53	**32-558**	2.250 Free Length.	
Keeper	Both	1940-53	**34-555**	1 Square Groove. Heat Treated.	
Valve Stem Seal	Both	1940-53	**38-1054-70**	Teflon And Rubber.	
	Both	1940-53	**38-240-15**	Nitrile. O-Ring.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 109	228 C.I. (3.7L) OHV 12V			1940-53 L6	BORE - 3.56"/90.5mm
Valve Stem Seal	Both	1940-53	38-240-25	Polyacrylic. O-Ring.	
LINE 110	229 C.I. (3.8L) OHV 12V Chev. Vin 9, K			1980-84 V6	BORE - 3.74"/94.9mm
Valve	Exh	1980-84	10-1192	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1980-84	10-1192+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Int	1980-84	10-1393	1.840 Head Dia. 0.3413 Stem. 4.912 OAL	
	Int	1980-84	10-1393+15	1.840 Head Dia. 0.3563 Stem. 4.912 OAL	
	Int	1980-84	10-1393+3	1.840 Head Dia. 0.3443 Stem. 4.912 OAL	
	Int	1980-84	10-1393+30	1.840 Head Dia. 0.3713 Stem. 4.912 OAL	
Valve Seat Insert	Exh	1980-84	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1980-84	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Int	1980-84	20-1937-1	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth.	
Guide	Both	1980-84	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1980-84	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1980-84	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1980-84	32-1943-D	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1980-84	32-880-D	2.030 Free Length. w/ Damper	
	Both	1980-84	32-943-D	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both	1980-84	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1980-84	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both	1980-84	37-4003	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1980-84	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1980-84	38-240-25	Polyacrylic. O-Ring.	
	Both	1980-84	38-450-15	Nitrile. Umbrella.	
	Both	1980-84	38-450-25	Polyacrylic. Umbrella.	
	Both	1980-84	38-450-45	Viton. Umbrella.	
	Both	1980-84	38-938-25	Polyacrylic. Ring And Band.	
	Both	1980-84	38-938-45	Viton. Ring And Band.	
	Both	1980-84	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1980-84	40-2736	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1980-84	40-2842	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both	1980-84	41-2401	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
Rocker Component	Both	1980-84	42-2920	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1980-84	42-2921	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
Retainer	Both	1980-84	55-6105	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1980-84	74-6034	7.798 Length	
Expansion Plug Kit		1980-84	97-87	Steel Kit.	
		1980-84	97-87B	Brass Kit.	
LINE 111	230 C.I. (3.8L) SOHC 12V			1966-67 L6	BORE - 3.88"/98.0mm
Valve Seat Insert	Exh	1966-67	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. -N Nickel Avail.	
	Int	1966-67	20-2125-1	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.	
Guide	Exh	1966-67	30-7271	2.375 OAL. Spiral 0.344 I.D. 0.564 O.D.	
	Exh	1966-67	30-9459	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.	
	Exh	1966-67	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int	1966-67	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1966-67	30-7272	2.250 OAL. Spiral 0.344 I.D. 0.564 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
see online catalog for latest appl. info.				
LINE 111	**230 C.I. (3.8L) SOHC 12V**			**1966-67 L6 BORE - 3.88"/98.0mm**
Guide	Int	1966-67	**30-7946**	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.
	Int	1966-67	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1966-67	**30-9607H**	2.250 OAL. Spiral 0.344 I.D. 0.5020 O.D. Hardened
	Int	1966-67	**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.
Spring	Both	1966-67	**32-813**	1.760 Free Length. Inner.
Keeper	Both	1966-67	**34-555**	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1966-67	**38-1065-70**	Teflon And Rubber.
	Both	1966-67	**38-240-25**	Polyacrylic. O-Ring.
LINE 112	**230 C.I. (3.8L) OHV 12V Chev. Vin S**			**1963-70 L6 BORE - 3.88"/98.4mm**
Valve	Exh	1963-70	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1963-70	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1963-70	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1963-70	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1963-70	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1963-70	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1963-70	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1963-70	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1963-70	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome
	Int	1963-70	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome
	Int	1963-70	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome
	Int	1963-70	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome
Valve Seat Insert	Exh	1963-70	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1963-1970	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Int	1963-70	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Exh	1963-70	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Exh	1963-70	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1963-70	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1963-70	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1963-70	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1963-69	**36-6005**	Hydraulic Flat
	Both	1963-70	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Spring	Both	1963-70	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1963-70	**38-1054-70**	Teflon And Rubber.
	Both	1963-70	**38-240-25**	Polyacrylic. O-Ring.
	Both	1963-70	**38-450-15**	Nitrile. Umbrella.
	Both	1963-70	**38-450-25**	Polyacrylic. Umbrella.
	Both	1963-70	**38-450-45**	Viton. Umbrella.
	Both	1963-70	**38-925-15**	Nitrile. Ring And Band.
	Both	1963-70	**38-925-25**	Polyacrylic. Ring And Band.
Rocker Component	Both	1963-70	**40-2844**	Rocker Arm. Stamped
Rocker Kit	Both	1963-70	**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut
Rocker Component	Both	1963-70	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1963-70	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Retainer	Both	1963-70	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1963-70	**74-6317**	9.682 Length

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 112	230 C.I. (3.8L) OHV 12V Chev. Vin S			1963-70 L6 BORE - 3.88"/98.4mm
Expansion Plug Kit		1963-70	97-7	Steel Kit.
		1963-70	97-7B	Brass Kit.
LINE 113	231 C.I. (3.8L) OHV 12V Buick Vin ABCGKL1234789			1975-09 V6 BORE - 3.80"/96.5mm
Valve	Exh	1977-78	10-1352	1.425 Head Dia.
	Exh	1978-87	10-1387	1.500 Head Dia. 0.3408 Stem. 4.718 OAL. Seal Groove.
	Exh	1978-87	10-1387+15	1.500 Head Dia. 0.3558 Stem. 4.718 OAL. Seal Groove.
	Exh	1978-87	10-1387+3	1.500 Head Dia. 0.3438 Stem. 4.718 OAL. Seal Groove.
	Exh	1979-88	10-1389	1.500 Head Dia. 0.3408 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1979-88	10-1389+15	1.500 Head Dia. 0.3558 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1979-88	10-1389+3	1.500 Head Dia. 0.3438 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1979-88	10-1389+30	1.500 Head Dia. 0.3708 Stem. 4.718 OAL. w/o Seal Groove
	Exh	1988-95	10-1710	1.490 Head Dia. 0.3408 Stem. 4.727 OAL.
	Exh	1988-95	10-1710+15	1.490 Head Dia. 0.3558 Stem. 4.727 OAL.
	Exh	1996-09	10-1735	1.520 Head Dia. 0.313 Stem
	Int	1978-88	10-1388	1.710 Head Dia. 0.3407 Stem. 4.713 OAL. 1G Square.
	Int	1978-88	10-1388+15	1.710 Head Dia. 0.3557 Stem. 4.713 OAL. 1G Square.
	Int	1978-88	10-1388+3	1.710 Head Dia. 0.3437 Stem. 4.713 OAL. 1G Square.
	Int	1978-88	10-1388+30	1.710 Head Dia. 0.3707 Stem. 4.713 OAL. 1G Square.
	Int	1988-95	10-1711	1.710 Head Dia.
	Int	1996-04	10-1858	1.800 Head Dia. 0.3134 Stem.
Valve Seat Insert	Exh	1975-78	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth w/ 1.425 Valve Head.
	Exh	1978-09	20-1562-9	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1975-95	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1978-89	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
	Int	1996-03	20-1875-19	1-9/16 I.D. 1-7/8 O.D. 7/32 Depth.
Guide	Both	1988-95	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Both	1996-09	30-9690	2.375 OAL. Spiral I.D.
	Exh	1975-88	30-6105	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Exh	1975-88	30-9105	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
	Int	1975-88	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1975-88	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1976-87	32-1943-D	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper
	Both	1995-09	32-2212	1.958 Free Length. Conical
	Both	1976-87	32-943-D	2.040 Free Length. w/ Damper, Hi-Perf.
Keeper	Both	1996-09	34-5005	0.314 Stem. Round Bead in Middle.
	Both	1977-95	34-555	1 Square Groove. Heat Treated
Lifter	Both	1988-09	36-2148	Hydraulic Roller. Rotate Oil Hole Up To Install
	Both	1988-09	36-2148G	Lifter Guide, Dogbone Type
	Both	1975-87	36-6005	Hydraulic
	Both	1979-87	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Valve Stem Seal	Both	1988-98	38-1054-70	Teflon And Rubber. Guide O.D. 0.562
	Both	1988-98	38-231-25	Polyacrylic. 2-Ring.
	Both	1997-09	38-819-45	Viton. Ring And Band.
	Both	1996-05	38-938-25	Polyacrylic. Ring And Band.
	Both	1988-91	38-938-45	Viton. Ring And Band.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 113	**231 C.I. (3.8L) OHV 12V Buick Vin ABCGKL1234789**			**1975-09 V6 BORE - 3.80"/96.5mm**
Valve Stem Seal	Both	1975-87	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
	Int	1995-99	**38-902-45**	Viton. Top Hat.
	Int	1985-95	**38-956-45**	Viton. Ring And Band. w/ 0.600 Guide O.D.
Retainer	Both	1996-09	**55-6103**	Chrome Moly. 1.030 O.D. 0.315 Stem
	Both	1975-98	**55-6231**	Chrome Moly. 1.250 O.D. 11/32 Stem
Expansion Plug Kit		1975-95	**97-119**	Steel Kit.
		1975-95	**97-119B**	Brass Kit.
		1996-05	**97-151**	Steel Kit.
		1996-05	**97-151B**	Brass Kit.
LINE 114	**235 C.I. (3.8L) OHV 12V Chev.**			**1941-62 L6 BORE - 3.50"/90.5mm**
Valve	Exh	1950-62	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1950-62	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1950-62	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1950-62	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1950-62	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1950-62	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1950-62	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1950-53	**10-199**	1.641 Head Dia. w/o Powerglide trans.
	Int	1953-62	**10-308**	1.875 Head Dia. 53: w/ Powerglide trans.
Valve Seat Insert	Both	1941-62	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1941-62	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1950-62	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1941-62	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth.
Guide	Exh	1941-62	**30-1527**	2.438 OAL
	Int	1941-62	**30-1732**	3.344 OAL
Spring	Both	1955-58	**32-558**	2.250 Free Length. w/ Power Glide
Keeper	Both	1950-62	**34-555**	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1941-62	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1950-62	**38-240-25**	Polyacrylic. O-Ring.
	Both	1941-62	**38-450-15**	Nitrile. Umbrella.
	Both	1941-62	**38-450-25**	Polyacrylic. Umbrella.
	Both	1941-62	**38-450-45**	Viton. Umbrella.
	Both	1941-62	**38-925-15**	Nitrile. Ring And Band.
	Both	1941-62	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1941-62	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Expansion Plug Kit		1941-62	**97-6**	Steel Kit.
		1941-62	**97-6B**	Brass Kit.
LINE 115	**237 C.I. (3.9L) OHV 12V VVT Vin 1,M,W**			**2006-11 V6 BORE - 3.90"/99.0mm**
Valve	Exh	2006-11	**10-13044**	1.523 Head Dia.
	Int	2006-11	**10-13043**	1.870 Head Dia.
Valve Seat Insert	Int	2006-11	**21-1937-55**	1.640T I.D. 1-15/16 O.D. 0.290 Machine to Depth
Guide	Both	2006-11	**30-3053**	2.115 OAL. 0.3154 I.D. 0.500 O.D.
	Both	2006-11	**30-3053H**	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened
Spring	Both	2006-11	**32-6607**	2.081 Free Length. Conical, W/ External Shroud.
Keeper	Both	2006-11	**34-5005**	0.314 Stem. Round Bead in Middle.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 115	**237 C.I. (3.9L) OHV 12V VVT Vin 1,M,W**			**2006-11 V6**	**BORE - 3.90"/99.0mm**
Lifter	Both	2006-11	**36-2270**	Hydraulic Roller	
Valve Stem Seal	Exh	2006-11	**38-901-45**	Viton. Top Hat	
	Int	2006-11	**38-900-45**	Viton. Top Hat	
Rocker Component	Both	2006-11	**40-2901**	Rocker Arm w/ Pivot, 8mm Bolt	
LINE 116	**238, 248, 263 C.I. Buick OHV**			**1941-55 V8**	**BORE - 3.09"/78.5mm**
Guide	Both	1941-53	**30-1384**	3.063 OAL. 0.6265 O.D. 0.3745 I.D.	
	Both	1941-50	**30-1476**	2.188 OAL. 0.5655 O.D.	
	Both	1951-55	**30-1758**	2.188 OAL. 0.3435 I.D. 0.5650 O.D.	
	Exh	1951-55	**30-1740**	2.813 OAL. 0.6895 O.D. 0.3745 I.D.	
	Int	1951-55	**30-1803**	2.938 OAL. 0.6895 O.D. 0.3745 I.D.	
Keeper	Both	1953-55	**34-555**	1 Square Groove. Heat Treated.	
LINE 117	**239 C.I. (3.9L) OHV 8V TRB D Cummins Vin L**			**1989-91 L4**	**BORE - 4.02"/102.0mm**
Valve	Both	1989-91	**10-1862**	1.654 Head Dia. Natl. Gas. 20 Deg. Seat. OEM# 3922714	
	Exh	1989-91	**10-1664**	1.654 Head Dia. 45 Deg. Seat. OEM # 3802356, 3920868	
	Int	1989-91	**10-1665**	1.772 Head Dia. 30 Deg. Seat. OEM # 3802355, 3920867.	
Valve Seat Insert	Exh	1989-91	**20-1750-7**	1-3/8 I.D. 1-3/4 O.D. 7/32 Depth. Universal Insert For Heads w/o OEM Inserts	
	Int	1989-91	**20-1875-8**	1-1/2T I.D. 1-7/8 O.D. 7/32 Depth. Universal Size For Heads w/o OEM Insert	
	Exh	1989-91	**22-1722-1**	1.357T I.D. 1.722 O.D. 0.265 Depth. OEM # 3904105. +10 O/S Avail.	
	Int	1989-91	**22-1853-1**	1.498T I.D. 1.853 O.D. 0.273 Depth. OEM # 3925177	
Guide	Both	1989-91	**30-8277**	2.500 OAL. 0.3162 I.D. 0.4395 O.D. OEM # 3906206	
	Exh	1989-91	**30-8178**	2.052 OAL. 0.5527 O.D. 0.3162 I.D. Thick Wall. OEM # 3904409	
	Int	1989-91	**30-8177**	2.397 OAL. 0.5527 O.D. 0.3162 I.D. Thick Wall. OEM # 3904408	
Keeper	Both	1989-91	**34-00250**	1 Round Groove. OEM # 3900250	
Valve Stem Seal	Both	1989-91	**38-6114-55**	Viton. Top Hat. OEM # 3957912	
	Both	1989-91	**38-830-45**	Viton. Ring And Band.	
Push Rod	Both	1989-91	**74-6448**	10.910 Length. OEM # 3923262	
Expansion Plug Kit		1989-91	**97-7**	Steel Kit.	
		1989-91	**97-7B**	Brass Kit.	
LINE 118	**244 C.I. (4.0L) DOHC 32V Northstar Vin C**			**1995-03 V8**	**BORE - 3.80"/96.5mm**
Valve	Exh	1995-00	**10-1706**	1.142 Head Dia.	
	Exh	2001-02	**10-2054**	1.103 Head Dia.	
	Int	1995-00	**10-1739**	1.229 Head Dia.	
	Int	2001-03	**10-2076**	1.347 Head Dia.	
Guide	Exh	1995-01	**30-8668**	1.500 OAL	
Spring	Both	1995-00	**32-2484**	1.557 Free Length.	
Keeper	Both	1995-03	**34-07209**	1 Round Groove	
Lifter	Both	1995-00	**36-2273**	Hydraulic Bucket	
	Both	2001-03	**36-7082**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2001-03	**38-354-45**	Viton. Top Hat.	
	Both	1995-00	**38-407-45**	Viton. Top Hat.	
Rocker Component	Both	2001-03	**40-2917**	Rocker Arm	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 119	250 C.I. (4.1L) OHV 12V Pontiac			1968-69 L6	BORE - 3.88"/98.4mm
Guide	Exh	1968-69	30-7259	3.063 OAL 0.5020 O.D. Plain 0.3430 I.D.	
	Exh	1968-69	30-7271	2.375 OAL. Spiral 0.344 I.D. 0.564 O.D.	
	Exh	1968-69	30-9259	3.063 OAL 0.5020 O.D. Spiral 0.3430 I.D.	
	Exh	1968-69	30-9459	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.	
	Int	1968-69	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1968-69	30-7272	2.250 OAL. Spiral 0.344 I.D. 0.564 O.D.	
	Int	1968-69	30-7946	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.	
	Int	1968-69	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1968-69	30-9607H	2.250 OAL. Spiral 0.344 I.D. 0.5020 O.D. Hardened	
	Int	1968-69	30-9946	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.	
Keeper	Both	1968-69	34-555	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1968-69	38-1065-70	Teflon And Rubber.	
	Both	1968-69	38-450-15	Nitrile. Umbrella.	
	Both	1968-69	38-450-25	Polyacrylic. Umbrella.	
	Both	1968-69	38-450-45	Viton. Umbrella.	
Expansion Plug Kit		1968-69	97-7B	Brass Kit	
LINE 120	250 C.I. (4.1L) OHV 12V Chev. Vin CDLNPQS			1966-84 L6	BORE - 3.68"/93.5mm
Valve	Exh	1966-84	10-1192	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1966-84	10-1192+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1966-84	10-1206S	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh	1966-79	10-400	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1966-79	10-400+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1966-79	10-400+3	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1966-79	10-400+30	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.	
	Int	1966-84	10-1193	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int	1966-84	10-1194	1.720 Head Dia. LPG	
	Int	1966-79	10-399	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome	
	Int	1966-79	10-399+15	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome	
	Int	1966-79	10-399+3	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome	
	Int	1966-79	10-399+30	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1966-84	20-1562-2	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1966-84	20-1562-2N	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1966-79	20-1562-9	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth	
	Int	1966-84	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh	1966-84	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1966-84	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1966-84	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1966-84	32-685-D	2.050 Free Length. w/ Damper	
Keeper	Both	1966-84	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1966-79	36-6005	Hydraulic	
	Both	1966-84	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both	1966-84	37-4003	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1966-84	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1966-84	38-240-25	Polyacrylic. O-Ring.	
	Both	1966-84	38-450-15	Nitrile. Umbrella.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
see online catalog for latest appl. info.				
LINE 120	**250 C.I. (4.1L) OHV 12V Chev. Vin CDLNPQS**		**1966-84 L6**	**BORE - 3.68"/93.5mm**
Valve Stem Seal	Both	1966-84	**38-450-25**	Polyacrylic. Umbrella.
	Both	1966-84	**38-450-45**	Viton. Umbrella.
	Both	1966-84	**38-925-15**	Nitrile. Ring And Band.
	Both	1966-84	**38-925-25**	Polyacrylic. Ring And Band.
Rocker Component	Both	1966-84	**40-2842**	Rocker Arm. 1.5 Stamped 3/8 Hole. Sprint
	Both	1966-84	**40-2844**	Rocker Arm. Stamped. Exc. Sprint
Rocker Kit	Both	1966-84	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
	Both	1966-84	**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut
Rocker Component	Both	1966-84	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1966-84	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Retainer	Both	1966-79	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1966-79	**74-6317**	9.682 Length
Expansion Plug Kit		1966-84	**97-7**	Steel Kit.
		1966-84	**97-7B**	Brass Kit.
LINE 121	**252 C.I. (4.1L) OHV 12V Buick Vin 4**		**1980-84 V6**	**BORE - 3.97"/101.0mm**
Valve	Exh	1980-84	**10-1387**	1.500 Head Dia. 0.3408 Stem. 4.718 OAL. Seal Groove.
	Exh	1980-84	**10-1387+15**	1.500 Head Dia. 0.3558 Stem. 4.718 OAL. Seal Groove.
	Exh	1980-84	**10-1387+3**	1.500 Head Dia. 0.3438 Stem. 4.718 OAL. Seal Groove.
	Int	1980-84	**10-1388**	1.710 Head Dia. 0.3407 Stem. 4.713 OAL. 1G Square.
	Int	1980-84	**10-1388+15**	1.710 Head Dia. 0.3557 Stem. 4.713 OAL. 1G Square.
	Int	1980-84	**10-1388+3**	1.710 Head Dia. 0.3437 Stem. 4.713 OAL. 1G Square.
	Int	1980-84	**10-1388+30**	1.710 Head Dia. 0.3707 Stem. 4.713 OAL. 1G Square.
Valve Seat Insert	Exh	1980-84	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1980-84	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Both	1980-84	**30-7259**	3.063 OAL 0.5020 O.D. Plain 0.3430 I.D.
	Both	1980-84	**30-9259**	3.063 OAL 0.5020 O.D. Spiral 0.3430 I.D.
Spring	Both	1980-82	**32-880-D**	2.030 Free Length. w/ Damper
Keeper	Both	1980-84	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1980-84	**36-6005**	Hydraulic
Valve Stem Seal	Bith	1980-84	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1980-84	**38-1054-70**	Teflon And Rubber
	Both	1980-84	**38-231-25**	Polyacrylic. 2-Ring.
	Both	1980-84	**38-450-15**	Nitrile. Umbrella.
	Both	1980-84	**38-450-25**	Polyacrylic. Umbrella.
	Both	1980-84	**38-450-45**	Viton. Umbrella.
	Both	1980-84	**38-938-45**	Viton. Ring And Band.
	Both	1980-84	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
	Int	1980-83	**38-956-45**	Viton. Ring And Band.
Retainer	Both	1980-84	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Expansion Plug Kit		1980-84	**97-119**	Steel Kit.
		1980-84	**97-119B**	Brass Kit.
LINE 122	**250 C.I. (4.1L) OHV 16V Cadillac Vin 7, 8**		**1982-88 V8**	**BORE - 3.47"/88.0mm**
Valve	Exh	1982-86	**10-1463**	1.299 Head Dia. Square Groove
	Exh	1986-88	**10-1558**	1.299 Head Dia. Round Groove
	Int	1982-86	**10-1464**	1.535 Head Dia. Square Groove

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 122	**250 C.I. (4.1L) OHV 16V Cadillac Vin 7, 8**				**1982-88 V8 BORE - 3.47"/88.0mm**
Valve	Int	1986-88	**10-1559**	1.535 Head Dia. Round Groove	
Valve Seat Insert	Exh	1982-88	**20-1375-1**	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.	
	Int	1982-88	**20-1625-11**	1-11/32 I.D. 1-5/8 O.D. 7/32 Depth	
Guide	Both	1982-88	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Keeper	Both	1982-86	**34-555**	1 Square Groove. Heat Treated	
Lifter	Both	1987-88	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install	
	Both	1987-88	**36-2148G**	Lifter Guide, Dogbone Type	
	Both	1982-87	**36-6005**	Hydraulic	
Valve Stem Seal	Both	1982-88	**38-823-45**	Viton. Metal Clad.	
	Both	1982-88	**38-925-15**	Nitrile. Ring And Band.	
	Both	1982-88	**38-925-25**	Polyacrylic. Ring And Band.	
Expansion Plug Kit		1982-88	**97-133**	Alum. Eng. Steel Kit Only Avail.	
LINE 123	**255 C.I (4.2L) DOHC 32V LTA Blackwing**				**2019-20 V8 BORE - 3.39"/86.1mm**
Keeper	Both	2019-20	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2019-20	**38-6509-55**	Viton. Top Hat	
Rocker Component	Both	2019-20	**40-3901**	Rocker Arm.	
LINE 124	**256 C.I. (4.2L) DOHC 24V Vin S,X Vortec**				**2002-09 L6 BORE - 3.66"/93.0mm**
Valve	Exh	2006-09	**10-13046**	1.323 Head Dia. 0.2343 Stem	
	Exh	2002-05	**10-1999**	1.201 Head Dia. 0.2343 Stem	
	Int	2006-09	**10-13179**	1.525 Head Dia. 0.2347 Stem	
	Int	2002-05	**10-1998**	1.457 Head Dia. 0.2347 Stem	
Guide	Both	2002-09	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2002-06	**32-04051**	1.770 Free Length	
	Both	2006-09	**32-5008**	1.760 Free Length. Conical	
Keeper	Both	2002-09	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2002-09	**36-7082**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2002-05	**38-354-45**	Viton. Top Hat.	
	Both	2006-09	**38-6995-45**	Viton. Top Hat.	
Rocker Component	Both	2002-09	**40-3901**	Rocker Arm	
Retainer	Both	2006-09	**55-6735**	Chrome Moly. 0.735 O.D. 0.235 Stem	
	Both	2002-05	**55-7712**	0.980 O.D. 0.235 Stem	
LINE 125	**259 C.I. (4.2L) OHV 16V**				**1955-64 V8 BORE - 3.56"/90.4mm**
Valve Seat Insert	Exh	1955-64	**20-1625-15**	1-3/8 I.D. 1-5/8 O.D. 17/64 Depth.	
Guide	Exh	1955-64	**30-1689**	2.625 OAL. 0.3445 I.D. 0.5645 O.D.	
	Int	1955-64	**30-1690**	3.000 OAL. 0.3435 I.D. 0.5645 O.D.	
Keeper	Both	1955-64	**34-555**	1 Square Groove. Heat Treated. OEM # 206880.	
Valve Stem Seal	Both	1955-64	**38-1065-70**	Teflon And Rubber.	
	Both	1955-64	**38-450-15**	Nitrile. Umbrella.	
	Both	1955-64	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1955-64	**38-450-45**	Viton. Umbrella.	
LINE 126	**260 C.I. (4.3L) OHV 16V Olds Vin 8, F**				**1975-82 V8 BORE - 3.50"/88.9mm**
Valve	Exh	1975-82	**10-1322**	1.300 Head Dia.	
	Int	1975-82	**10-1323**	1.522 Head Dia.	
Valve Seat Insert	Exh	1975-82	**20-1437-4**	1-1/8 I.D. 1-7/16 O.D. 7/32 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 126	**260 C.I. (4.3L) OHV 16V Olds Vin 8, F**			**1975-82 V8 BORE - 3.50"/88.9mm**
Valve Seat Insert	Int	1975-82	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Both	1975-82	**30-6873**	2.250 OAL 0.3430 Plain I.D 0.5020 O.D.
	Both	1975-82	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
Spring	Both	1975-82	**32-1016**	1.960 Free Length.
Keeper	Both	1975-82	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1975-82	**36-951**	Hydraulic
Valve Stem Seal	Both	1975-82	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1975-82	**38-810-45**	Viton. Ring And Band.
	Both	1975-82	**38-925-15**	Nitrile. Ring And Band.
	Both	1975-82	**38-925-25**	Polyacrylic. Ring And Band.
	Exh	1975-82	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1975-82	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1975-79	**40-2890**	Rocker Arm. Stamped
Expansion Plug Kit		1975-82	**97-58**	Steel Kit.
		1975-82	**97-58B**	Brass Kit.
LINE 127	**260 C.I. (4.3L) OHV 12V Olds Diesel Vin T, V**			**1982-85 V6 BORE - 4.057"/103.1mm**
Valve Seat Insert	Exh	1982-85	**20-1750-3**	1-7/16 I.D. 1-3/4 O.D. 7/32 Depth. Exc. Alum. Heads.
	Int	1982-85	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth. Exc. Alum. Head.
	Exh	1982-85	**21-1750-65**	1.468 I.D. 1-3/4 O.D. 0.276 Depth. Alum. Heads
Keeper	Both	1982-85	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1982-85	**36-2104**	Hydraulic Roller
Valve Stem Seal	Both	1982-85	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1982-85	**38-240-25**	Polyacrylic. O-Ring.
	Both	1982-85	**38-450-15**	Nitrile. Umbrella.
	Both	1982-85	**38-450-25**	Polyacrylic. Umbrella.
	Both	1982-85	**38-450-45**	Viton. Umbrella.
	Both	1982-85	**38-925-15**	Nitrile. Ring And Band.
	Both	1982-85	**38-925-25**	Polyacrylic. Ring And Band.
	Exh	1982-85	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1982-85	**38-923-35**	Glass Filled Nylon. Umbrella.
Expansion Plug Kit		1982-85	**97-25**	Steel Kit.
		1982-85	**97-25B**	Brass Kit.
LINE 128	**261, 265 C.I. (4.3L) Chev.**			**1954-62 V8 BORE - 3.70"/95.3mm**
Valve	Exh	1954-62	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1954-62	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1954-62	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1954-62	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1954-62	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1954-62	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1954-62	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1955-57	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1954-62	**10-308**	1.875 Head Dia.
	Int	1955-57	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome
	Int	1955-57	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome
	Int	1955-57	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 128	261, 265 C.I. (4.3L) Chev.			1954-62 V8	BORE - 3.70"/95.3mm
Valve	Int	1955-57	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1954-62	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1954-62	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1955-57	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
	Int	1954-62	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth.	
Guide	Exh	1954-62	**30-1527**	2.438 OAL	
	Exh	1955-57	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int	1954-62	**30-1732**	3.344 OAL	
	Int	1955-57	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1955-57	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1954-62	**32-558**	2.250 Free Length.	
Keeper	Both	1954-62	**34-555**	1 Groove. Heat Treated	
Lifter	Both	1955-62	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both	1955-57	**37-4003**	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1954-62	**38-1054-70**	Teflon And Rubber.	
	Both	1954-62	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1954-62	**38-450-15**	Nitrile. Umbrella.	
	Both	1954-62	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1954-62	**38-450-45**	Viton. Umbrella.	
	Both	1954-62	**38-925-15**	Nitrile. Ring And Band.	
	Both	1954-62	**38-925-25**	Polyacrylic. Ring And Band.	
Rocker Component	Both	1955-57	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1955-57	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	
	Both	1955-57	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot	
	Both	1955-57	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both	1955-57	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole	
	Both	1955-57	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both	1954-62	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both	1955-57	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut	
	Both	1955-57	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
	Both	1955-57	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both	1955-57	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1955-57	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
	Both	1955-57	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560	
Retainer	Both	1955-57	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1955-57	**74-6034**	7.798 Length	
Expansion Plug Kit		1955-57	**97-100**	Steel Kit.	
		1954-62	**97-100B**	Brass Kit.	
		1954-62	**97-6**	Steel Kit.	
		1954-62	**97-6B**	Brass Kit	
LINE 129	262 C.I. (4.3L) OHV 16V Carb. Chev. Vin G			1975-76 V8	BORE - 3.67"/93.2mm
Valve	Exh	1975-76	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1975-76	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1975-76	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh	1975-76	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 129	262 C.I. (4.3L) OHV 16V Carb. Chev. Vin G			1975-76 V8	BORE - 3.67"/93.2mm
Valve	Exh	1975-76	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1975-76	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1975-76	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.	
	Int	1975-76	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int	1975-76	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL.	
	Int	1975-76	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome	
	Int	1975-76	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome	
	Int	1975-76	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1975-76	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1975-76	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1975-76	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both	1975-76	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1975-76	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1975-76	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
	Exh	1975-76	**32-1038-D**	1.928 Free Length. W/ Damper	
	Int	1975-76	**32-880-D**	2.030 Free Length. w/ Damper	
Keeper	Both	1975-76	**34-555**	1 Square Groove. Heat Treated.	
Lifter	Both	1975-76	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both	1975-76	**37-4003**	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1975-76	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both	1975-76	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1975-76	**38-450-15**	Nitrile. Umbrella.	
	Both	1975-76	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1975-76	**38-450-45**	Viton. Umbrella.	
	Both	1975-76	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1975-76	**38-938-45**	Viton. Ring And Band.	
	Both	1975-76	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1975-76	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1975-76	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	
	Both	1975-76	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot	
	Both	1975-76	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both	1975-76	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole	
	Both	1975-76	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both	1975-76	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both	1975-76	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut	
	Both	1975-76	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both	1975-76	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
	Both	1975-76	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both	1975-76	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1975-76	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
	Both	1975-76	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560	
Retainer	Both	1975-76	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1975-76	**74-6034**	7.798 Length	
Expansion Plug Kit		1975-76	**97-100**	Steel Kit.	
		1975-76	**97-100B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 130	262 C.I. (4.3L) OHV 12V Vin B,N X,W,Z			1985-14 V6	BORE - 4.00"/101.6mm
Valve	Exh	1985-97	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1985-97	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1990-97	**10-1294**	1.500 Head Dia. 0.3718T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1990-97	**10-1294+15**	1.500 Head Dia. 0.3868T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1990-97	**10-1294+3**	1.500 Head Dia. 0.3748T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1990-97	**10-1294+30**	1.500 Head Dia. 0.4018T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1990-97	**10-1294S**	1.500 Head Dia. 0.3718T Stem. 4.923 Length. Stellite & Chrome Plated.	
	Exh	1996-14	**10-1807**	1.500 Head Dia. 4.920 OAL. 1 Groove.	
	Exh	1996-14	**10-1807S**	1.500 Head Dia. Stellite. 4.920 OAL. LPG	
	Int	1985-97	**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated.	
	Int	1985-97	**10-1195+15**	1.940 Head Dia. 0.3164 Stem. 4.880 OAL. Chrome Plated.	
	Int	1985-97	**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.	
	Int	1996-14	**10-1931**	1.940 Head Dia.	
Valve Seat Insert	Exh	1985-14	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth.	
	Exh	1985-14	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel.	
	Int	1985-14	**20-2000-36**	1-3/4 I.D. 2.000 O.D. 3/16 Depth. w/ 1.940 Valve Head Dia.	
Guide	Exh	1985-14	**30-3016**	2.210 OAL. 0.3420 I.D. 0.502 O.D. 0.552 Boss O.D. Replaces Boss of Integrated Guide.	
	Exh	1985-14	**30-7946**	2.250 OAL. 0.3430 Plain I.D. 0.5020 O.D.	
	Exh	1985-14	**30-8407**	2.220 OAL. Replaceable Exh. Guide - Caution When Removing Stepped O.D. The Bottom Of The Guide Is The 0.620" End. Drive Out Toward Valve Seat.	
	Exh	1985-14	**30-9946**	2.250 OAL. 0.3430 Spiral I.D. 0.5020 O.D.	
	Int	1985-14	**30-3015**	2.120 OAL. 0.3420 I.D. 0.502 O.D. 0.552 Boss O.D. Replaces Boss of Integrated Guide.	
	Int	1985-14	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1992-95	**32-1038-D**	1.910 Free Length. w/ Damper	
	Both	1995-14	**32-1680**	2.059 Free Length.	
	Both	1985-95	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1985-95	**32-880-D**	2.030 Free Length. w/ Damper	
	Both	1985-95	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both	1985-14	**34-555**	1 Square Groove. Heat Treated.	
Lifter	Both	1987-14	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install	
	Both	1987-14	**36-2148G**	Lifter Guide, Dogbone Type	
	Both	1985-86	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Valve Stem Seal	Both	1985-02	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1985-95	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1996-14	**38-371-45**	Viton. Metal Clad. 11/32 Stem	
	Both	1985-93	**38-450-15**	Nitrile. Umbrella.	
	Both	1985-95	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1985-95	**38-450-45**	Viton. Umbrella.	
	Both	1985-95	**38-925-15**	Nitrile. Ring And Band.	
	Both	1985-95	**38-925-25**	Polyacrylic. Ring And Band.	
	Both	1985-95	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1985-95	**38-938-45**	Viton. Ring And Band.	
	Both	1985-95	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1985-13	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 130	262 C.I. (4.3L) OHV 12V Vin B,N X,W,Z			1985-14 V6 BORE - 4.00"/101.6mm
Rocker Component	Both	1985-13	40-2737	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot
	Both	1985-13	40-2738	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot
	Both	1985-93	40-2840	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole
	Both	1985-14	40-2842	Rocker Arm, 1.5 Stamped 3/8 Hole
Rocker Kit	Both	1992-13	41-1736	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud
	Both	1985-13	41-1737	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut
	Both	1985-14	41-2401	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
	Both	1985-93	41-2508	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
	Both	1985-13	41-2738	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
Rocker Component	Both	1985-13	42-2920	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1985-13	42-2921	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
	Both	1991-13	42-3920	Stud, 7/16-14 x 3/8-24 No Hex
	Both	1991-13	42-4920	Stud, 7/16-14 x 3/8-24 Hex
Retainer	Both	1985-93	55-6105	Chrome Moly. 1.200 O.D. 11/32 Stem
	Both	1995-14	55-6906	Chrome Moly. 1.130 O.D. 11/32 Stem. Use w/ 32-1680
Push Rod	Both	1985-86	74-6034	7.798 Length
	Both	1987-14	74-6373	7.195 Length
	Both	1987-03	74-6615	7.192 Length. '87-03.
Expansion Plug Kit		1985-85	97-87	Steel Kit.
		1985-85	97-87B	Brass Kit.
		1986-14	97-99	Steel Kit.
		1992-14	97-99-2	Steel Kit. For Balance Shaft Engines Only.
		1992-14	97-99-2B	Brass Kit.
		1986-14	97-99B	Brass Kit.
LINE 131	262 C.I. (4.3L) OHV 12V Vin H,P			2014-25 V6 BORE - 3.92"/99.6mm
Valve	Exh	2014-25	10-13433	1.555 Head Dia. 0.3136 Stem. 5.207 OAL
	Int	2014-25	10-13432	1.929 Head Dia. 0.3136 Stem. 5.211 OAL
Guide	Both	2014-25	30-3204	2.235 OAL. 0.3150 I.D. 0.5000 O.D.
Spring	Both	2014-25	32-6688	2.253 Free Length.
Keeper	Both	2014-25	34-5005	0.314 Stem. Round Bead in Middle.
Lifter	Both	2014-25	36-2148	Hydraulic Roller. Rotate Oil Hole Up to Install
	Both	2014-25	36-2148G	Lifter Guide, Dogbone Type
	Both	2014-25	36-2303	Hydraulic Roller. 3.785 OAL. AFM. "De-Ac". GM # 12639516
	Both	2014-25	36-2303FG	Front Guide for AFM. Guide Only. 12571596
	Both	2014-25	36-2303FLA	Front Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645724
	Both	2014-25	36-2303RG	Rear Guide for AFM. Guide Only. 12571608
	Both	2014-25	36-2303RLA	Rear Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645723
Valve Stem Seal	Exh	2014-25	38-901-45	Top Hat. Viton. 0.313 Stem Dia
	Int	2014-25	38-900-45	Top Hat. Viton. 0.314 Stem Dia
Rocker Component	Both	2014-25	40-2913	Rocker Arm
Retainer	Both	2014-25	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Both	2014-25	74-6696	7.850 Length.
LINE 132	265 C.I. (4.3L) OHV 16V Pontiac Vin S			1980-81 V8 BORE - 3.75"/95.2mm
Valve Seat Insert	Exh	1980-81	20-1437-2	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
see online catalog for latest appl. info.				
LINE 132	**265 C.I. (4.3L) OHV 16V Pontiac Vin S**		**1980-81 V8**	**BORE - 3.75"/95.2mm**
Valve Seat Insert	Int	1980-81	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
Guide	Both	1980-81	**30-6523**	3.063 OAL 0.3440 I.D. 0.5020 O.D. Plain I.D. Conversion Guide.
	Both	1980-81	**30-9523**	3.063 OAL. 0.3440 Spiral I.D. 0.5020 O.D.
Spring	Both	1980-81	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1980-81	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1980-81	**36-6005**	Hydraulic
Valve Stem Seal	Both	1980-81	**38-1054-70**	Teflon And Rubber.
	Both	1980-81	**38-240-25**	Polyacrylic. O-Ring.
	Both	1980-81	**38-450-15**	Nitrile. Umbrella.
	Both	1980-81	**38-450-25**	Polyacrylic. Umbrella.
	Both	1980-81	**38-450-45**	Viton. Umbrella.
	Both	1980-81	**38-938-45**	Viton. Ring And Band. Polyacrylic 38-938-25 Also Avail.
Expansion Plug Kit		1980-81	**97-64**	Steel Kit.
		1980-81	**97-64B**	Brass Kit.
LINE 133	**265 C.I. (4.3L) OHV 16V Chev. Hi-Perf. Vin W**		**1994-96 V8**	**BORE - 3.75"/95.2mm**
Valve	Exh	1994-96	**10-1807**	1.500 Head Dia. 4.920 OAL. 1 Groove.
	Exh	1994-96	**10-1807S**	1.500 Head Dia. Stellite. 4.920 OAL
	Int	1994-96	**10-1806**	1.840 Head Dia. 4.881 OAL
Guide	Both	1994-96	**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.
Spring	Both	1994-96	**32-1680**	2.059 Free Length.
Keeper	Exh	1994-96	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1994-96	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install
	Both	1994-96	**36-2148G**	Lifter Guide, Dogbone Type
Valve Stem Seal	Both	1994-96	**38-1054-70**	Teflon And Rubber.
	Both	1994-96	**38-240-25**	Polyacrylic. O-Ring.
	Both	1994-96	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1994-96	**38-938-45**	Viton. Ring And Band.
Rocker Component	Both	1994-96	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped
Rocker Kit	Both	1994-96	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud
Rocker Component	Both	1994-96	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1994-96	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Retainer	Both	1994-96	**55-6906**	Chrome Moly. 1.130 O.D. 11/32 Stem. Use w/ 32-1680
Push Rod	Both	1994-96	**74-6373**	7.195 Length
Expansion Plug Kit		1994-96	**97-100**	Steel Kit.
		1994-96	**97-100B**	Brass Kit.
LINE 134	**267 C.I. (4.4L) OHV 16V Chev. Vin J**		**1979-82 V8**	**BORE - 3.50"/88.9mm**
Valve	Exh	1979-82	**10-1371**	1.380 Head Dia. 0.3413T Stem. 4.920 OAL
	Exh	1979-82	**10-1371+30**	1.380 Head Dia. 0.3713T Stem. 4.920 OAL
	Int	1979-82	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
Valve Seat Insert	Exh	1979-82	**20-1437-2**	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1979-82	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Exh	1979-82	**30-5607**	2.250 OAL Plain. 0.3440 I.D. 0.5020 O.D.
	Exh	1979-82	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1979-82	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 134	**267 C.I. (4.4L) OHV 16V Chev. Vin J**			**1979-82 V8 BORE - 3.50"/88.9mm**
Spring	Both	1981-82	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper
	Both	1981-82	**32-880-D**	2.030 Free Length. w/ Damper
	Both	1979-82	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.
Keeper	Both	1979-82	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1979-82	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Spring	Both	1979-82	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1979-82	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1979-82	**38-240-25**	Polyacrylic. O-Ring.
	Both	1979-82	**38-450-15**	Nitrile. Umbrella.
	Both	1979-82	**38-450-25**	Polyacrylic. Umbrella.
	Both	1979-82	**38-450-45**	Viton. Umbrella.
	Both	1979-82	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1979-82	**38-938-45**	Viton. Ring And Band.
Rocker Component	Both	1979-82	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped
	Both	1979-82	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot
	Both	1979-82	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot
	Both	1979-82	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole
	Both	1979-82	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole
	Both	1979-82	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole
Rocker Kit	Both	1979-82	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud
	Both	1979-82	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut
	Both	1979-82	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
	Both	1979-82	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
	Both	1979-82	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
Rocker Component	Both	1979-82	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1979-82	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
	Both	1979-82	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560
Retainer	Both	1979-82	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1979-82	**74-6034**	7.798 Length
Expansion Plug Kit		1979-82	**97-100**	Steel Kit.
		1979-82	**97-100B**	Brass Kit.
LINE 135	**267 C.I. (4.4L) DOHC 32V Vin D**			**2006-09 V8 BORE - 3.58"/90.9mm**
Valve	Exh	2006-09	**10-2054**	1.103 Head Dia.
	Int	2006-09	**10-2053**	1.426 Head Dia.
Spring	Both	2006-09	**32-6634**	1.656 Free Length.
Keeper	Both	2006-09	**34-07209**	1 Round Groove
Lifter	Both	2006-09	**36-7082**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2006-09	**38-354-45**	Viton. Top Hat.
LINE 136	**270 C.I. (4.4L) OHV 12V**			**1941-63 L6 BORE - 3.78"/96.0mm**
Guide	Both	1941-53	**30-1476**	2.188 OAL. 0.5655 O.D.
	Both	1954-63	**30-1758**	2.188 OAL. 0.3435 I.D. 0.5650 O.D.
Spring	Both	1956-62	**32-558**	2.250 Free Length.
Keeper	Both	1956-62	**34-555**	1 Square Groove. Heat Treated. Use w/o Rototype Valve
Valve Stem Seal	Both	1956-63	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 136	270 C.I. (4.4L) OHV 12V			1941-63 L6	BORE - 3.78"/96.0mm
Valve Stem Seal	Both	1956-63	38-240-15	Nitrile. O-Ring	
	Both	1956-63	38-240-25	Polyacrylic. O-Ring.	
LINE 137	273 C.I. (4.5L) OHV 16V Cadillac Vin 3,5,8			1988-92 V8	BORE - 3.62"/92.0mm
Valve	Exh	1988-89	10-1558	1.299 Head Dia. Round Groove	
	Exh	1990-92	10-1593	1.496 Head Dia. Round Groove	
	Int	1988-89	10-1559	1.535 Head Dia. Round Groove	
	Int	1990-92	10-1594	1.772 Head Dia. Round Groove	
Valve Seat Insert	Exh	1988-89	20-1375-1	1-1/8 I.D. 1-3/8 O.D. 7/32 Depth.	
	Exh	1990-92	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1990-92	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	
	Int	1988-89	20-1625-1	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.	
	Int	1990-92	20-1812-12	1-5/8 I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Both	1988-92	30-9606	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Keeper	Both	1988-92	34-5030	1 Round Bead	
Lifter	Both	1988-92	36-2148	Hydraulic Roller. Rotate Oil Hole Up To Install	
	Both	1988-92	36-2148G	Lifter Guide, Dogbone Type	
Valve Stem Seal	Both	1988-92	38-823-45	Viton. Metal Clad.	
Expansion Plug Kit		1988-92	97-119	Steel Kit.	
		1988-92	97-119B	Brass Kit.	
LINE 138	281 C.I. (4.6L) DOHC 32V Northstar Vin A,S,Y,9			1993-11 V8	BORE - 3.66"/93.0mm
Valve	Exh	1993-99	10-1706	1.142 Head Dia.	
	Exh	2000-11	10-2054	1.103 Head Dia.	
	Int	1993-99	10-1707	1.308 Head Dia.	
	Int	2000-11	10-2053	1.426 Head Dia.	
Valve Seat Insert	Exh	1993-99	21-1312-67	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Exh	1993-99	21-1312-67N	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Int	1993-99	21-1437-74	1.162 I.D. 1-7/16 O.D. 0.230 Depth.	
Guide	Exh	1993-99	30-8668	1.500 OAL	
Spring	Both	1993-99	32-2484	1.557 Free Length.	
	Both	2000-11	32-6634	1.656 Free Length.	
Keeper	Both	1993-11	34-07209	1 Round Groove	
Lifter	Both	1993-99	36-2273	Hydraulic Bucket	
	Both	2000-11	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2000-11	38-354-45	Viton. Top Hat.	
	Both	1993-99	38-407-45	Viton. Top Hat.	
Rocker Component	Both	2000-11	40-2917	Rocker Arm	
LINE 139	283 C.I. (4.6L) OHV 16V Chev.			1955-67 V8	BORE - 3.88"/98.4mm
Valve	Exh	1955-67	10-1192	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1955-67	10-1192+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1955-67	10-1206S	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh	1955-67	10-400	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1955-67	10-400+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1955-67	10-400+3	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1955-67	10-400+30	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 139	283 C.I. (4.6L) OHV 16V Chev.			1955-67 V8	BORE - 3.88"/98.4mm
Valve	Int	1955-67	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int	1955-67	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome	
	Int	1955-67	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome	
	Int	1955-67	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome	
	Int	1955-67	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1955-67	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1955-67	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1955-67	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh	1955-67	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
	Int	1955-67	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1955-67	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1955-67	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1957-67	**32-685-D**	2.050 Free Length. w/ Damper	
	Both	1967-67	**32-880-D**	2.030 Free Length. 1.222/1.238 O.D.	
	Both	1955-67	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both	1955-67	**34-555**	1 Square Groove. Heat Treated.	
Lifter	Both	1955-67	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
	Both	1957-67	**36-992**	Mechanical. Hi-Perf.	
Spring	Both	1957-67	**37-4003**	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1955-67	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1955-67	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1955-67	**38-450-15**	Nitrile. Umbrella.	
	Both	1955-67	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1955-67	**38-450-45**	Viton. Umbrella.	
	Both	1955-67	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1955-67	**38-938-45**	Viton. Ring And Band.	
Rocker Component	Both	1955-67	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1955-67	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	
	Both	1955-67	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot	
	Both	1955-67	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both	1955-67	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole	
	Both	1955-67	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both	1955-67	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both	1957-67	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut	
	Both	1957-67	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both	1957-67	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
	Both	1957-67	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both	1957-67	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1957-67	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
	Both	1957-67	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560	
Retainer	Both	1955-67	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1957-67	**74-6034**	7.798 Length	
Expansion Plug Kit		1955-67	**97-100**	Steel Kit.	
		1955-67	**97-100B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 140	288 C.I. (4.7L) OHV 16V			1955-55 V8	BORE - 3.75"/95.0mm
Guide	Int	1955-55	30-5612	2.875 OAL. Plain 0.3440 I.D. 0.5020 O.D.	
	Int	1955-55	30-9612	2.875 OAL. Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1955-55	32-577	1.760 Free Length. Inner.	
Keeper	Both	1955-55	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1955-55	36-951	Hydraulic	
Valve Stem Seal	Both	1955-55	38-240-15	Nitrile. O-Ring.	
	Both	1955-55	38-240-25	Polyacrylic. O-Ring.	
Push Rod	Both	1955-55	74-6105	9.136 Length	
LINE 141	289 C.I. (4.7L) OHV 16V			1956-59 V8	BORE - 3.56"/90.4mm
Valve Seat Insert	Exh	1956-59	20-1625-15	1-3/8 I.D. 1-5/8 O.D. 17/64 Depth.	
Guide	Exh	1956-59	30-1689	2.625 OAL. 0.3445 I.D. 0.5645 O.D.	
	Int	1956-59	30-1690	3.000 OAL. 0.3435 I.D. 0.5645 O.D.	
Keeper	Both	1956-59	34-555	1 Square Groove. Heat Treated. OEM # 206880.	
Valve Stem Seal	Both	1956-59	38-1065-70	Teflon And Rubber.	
	Both	1956-59	38-450-15	Nitrile. Umbrella.	
	Both	1956-59	38-450-25	Polyacrylic. Umbrella.	
	Both	1956-59	38-450-45	Viton. Umbrella.	
LINE 142	292 C.I. (4.8L) OHV 12V Chev. Vin S, T			1963-89 L6	BORE - 3.88"/98.4mm
Valve	Exh	1963-88	10-1206S	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh	1985-89	10-1646S	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face. LPG	
	Int	1971-89	10-1193	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int	1973-83	10-1194	1.720 Head Dia. LPG	
	Int	1963-70	10-399	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome	
	Int	1963-70	10-399+15	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome	
	Int	1963-70	10-399+3	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome	
	Int	1963-70	10-399+30	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1963-89	20-1562-1	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1963-89	20-1562-1N	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. LPG, Nickel	
	Int	1963-89	20-1812-3	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.	
Guide	Exh	1963-89	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1963-89	30-9107	2.250 OAL. Spiral 0.374 I.D. 0.502 O.D.	
	Exh	1963-89	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1963-89	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1963-89	32-685-D	2.050 Free Length. w/ Damper	
Keeper	Both	1963-89	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1985-89	36-6005	Hydraulic	
	Both	1963-84	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
	Both	1963-73	36-992	Mechanical High Performance	
Spring	Both	1963-89	37-4003	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1963-89	38-1054-70	Teflon And Rubber.	
	Both	1963-89	38-240-25	Polyacrylic. O-Ring.	
	Both	1963-89	38-450-15	Nitrile. Umbrella.	
	Both	1963-89	38-450-25	Polyacrylic. Umbrella.	
	Both	1963-89	38-450-45	Viton. Umbrella.	
	Both	1963-89	38-925-15	Nitrile. Ring And Band.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 142	**292 C.I. (4.8L) OHV 12V Chev. Vin S, T**			**1963-89 L6 BORE - 3.88"/98.4mm**
Valve Stem Seal	Both	1963-89	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1963-89	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1963-89	**38-938-45**	Viton. Ring And Band.
Rocker Component	Both	1963-89	**40-2844**	Rocker Arm. Stamped
Rocker Kit	Both	1963-89	**41-2402**	1 40-2844, 1 42-1783 Smooth Ball, 1 42-1786 3/8 Nut
Rocker Component	Both	1963-89	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1963-89	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Retainer	Both	1963-89	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1963-89	**74-6318**	11.382 Length
Expansion Plug Kit		1963-89	**97-7**	Steel Kit.
		1963-89	**97-7B**	Brass Kit.
LINE 143	**4752cc (4.8L) SOHC 16V Diesel 4HE1 (Isuzu) TRB**			**1999-04 L4 BORE - 4.33"/110.6mm**
Valve Seat Insert	Exh	1999-04	**22-1697-1**	1.450T I.D. 1.697 O.D. 0.276 Depth. OEM # 8943961720
	Int	1999-04	**22-1894-1**	1.570T I.D. 1.894 O.D. 0.292 Depth. OEM # 8943944620
	Int	1999-04	**22-2013-1**	1.770T I.D. 2.013 O.D. 0.288 Depth. OEM # 8970884600
Guide	Both	1999-04	**30-3054**	0.3547 I.D. 2.365 OAL OEM 8943965980
Valve Stem Seal	Both	1999-04	**38-6115-55**	Viton. Top Hat. OEM # 8943966092
LINE 144	**294 C.I. (4.8L) OHV 16V Vin 2ACV Vortec**			**1999-17 V8 BORE - 3.78"/96.0mm**
Valve	Exh	1999-17	**10-1935**	1.550 Head Dia.
	Exh	1999-17	**10-1935S**	1.550 Head Dia Stellite Seat Face LPG
	Int	2010-17	**10-13244**	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. SG. Nitrided
	Int	1999-09	**10-1934**	1.890 Head Dia.
	Int	1999-09	**10-1934S**	1.890 Head Dia. Stellite Seat Face LPG
	Int	2009-09	**10-2267**	2.000 Head Dia. 4.869 OAL. 0.314 Stem.
Valve Seat Insert	Exh	1999-17	**21-1625-64**	1.335T I.D. 1-5/8 O.D. 0.420 Depth
	Exh	1999-17	**21-1625-64N**	1.335T I.D. 1-5/8 O.D. 0.420 Depth. LPG
	Int	1999-09	**21-2062-50**	1.750 I.D. 2-1/16 O.D. 0.420 Depth
Guide	Both	1999-17	**30-3053**	2.115 OAL. 0.3154 I.D. 0.500 O.D.
	Both	1999-17	**30-3053H**	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened
Spring	Both	2005-17	**32-04046**	2.126 Free Length. Conical. Ovate.
	Both	1999-04	**32-2500**	2.090 Free Length. Conical. Round wire
Keeper	Both	1999-17	**34-5005**	0.314 Stem. Round Bead in Middle.
Lifter	Both	1999-17	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install
	Both	1999-17	**36-2148G**	Lifter Guide, Dogbone Type
Valve Stem Seal	Both	1999-01	**38-902-45**	Viton. Top Hat.
	Exh	2001-17	**38-900-45**	Viton. Top Hat
	Int	2001-17	**38-901-45**	Viton. Top Hat
Rocker Component	Both	1999-17	**40-2902**	Rocker Arm, HP Caged Bearings Straight LS1 Both LS3 Exh
Retainer	Both	1999-17	**55-6103**	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Both	1999-17	**74-6614**	7.397 Length
LINE 145	**300 C.I. (4.9L) OHV 16V Buick**			**1964-67 V8 BORE - 3.70"/95.2mm**
Valve	Exh	1964-67	**10-976**	1.375 Head Dia.
Valve Seat Insert	Exh	1964-67	**20-1437-3**	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1964-67	**20-1875-6**	1-5/8 I.D. 1-7/8 O.D. 7/32 Depth.

see online catalog for latest appl. info.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 145	**300 C.I. (4.9L) OHV 16V Buick**			**1964-67 V8 BORE - 3.70"/95.2mm**
Guide	Exh	1965-67	**30-7460**	2.500 OAL 0.3430 Plain I.D. 0.5020 O.D. Conversion Guide
	Exh	1965-67	**30-9460**	2.500 OAL. 0.3430 Spiral I.D.
	Int	1965-67	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1965-67	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Valve Stem Seal	Both	1964-97	**38-731-15**	Nitrile. 2-Ring
	Both	1964-67	**38-731-25**	Polyacrylic. 2-Ring.
LINE 146	**300 C.I. (4.9L) OHV 16V Cadillac Vin B**			**1991-95 V8 BORE - 3.62"/92.0mm**
Valve	Exh	1991-95	**10-1593**	1.496 Head Dia.
	Int	1991-95	**10-1594**	1.772 Head Dia.
Valve Seat Insert	Exh	1991-95	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1991-95	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Int	1991-95	**20-1875-6**	1-5/8 I.D. 1-7/8 O.D. 7/32 Depth.
Guide	Both	1991-95	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Keeper	Both	1991-95	**34-5030**	1 Round Bead
Lifter	Both	1991-95	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install
	Both	1991-95	**36-2148G**	Lifter Guide, Dogbone Type
Valve Stem Seal	Both	1991-95	**38-823-45**	Viton. Metal Clad.
Expansion Plug Kit		1991-95	**97-119**	Steel Kit.
		1991-95	**97-119B**	Brass Kit.
LINE 147	**301 C.I. (4.9L) OHV 16V Pontiac Vin W,Y,T TRB**			**1977-81 V8 BORE - 4.00"/101.6mm**
Valve Seat Insert	Exh	1977-81	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.
	Int	1977-81	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 7/32 Depth
	Int	1977-81	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
Guide	Both	1977-81	**30-6523**	3.063 OAL 0.3440 I.D. 0.5020 O.D. Plain I.D. Conversion Guide.
	Both	1977-81	**30-9523**	3.063 OAL. 0.3440 Spiral I.D. 0.5020 O.D.
Spring	Both	1977-81	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1977-81	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1977-81	**36-6005**	Hydraulic
Valve Stem Seal	Both	1977-81	**38-450-15**	Nitrile. Umbrella.
	Both	1977-81	**38-450-25**	Polyacrylic. Umbrella.
	Both	1977-81	**38-450-45**	Viton. Umbrella.
	Both	1977-81	**38-925-15**	Nitrile. Ring And Band.
	Both	1977-81	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1977-81	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1977-81	**38-938-45**	Viton. Ring And Band.
Expansion Plug Kit		1977-81	**97-64**	Steel Kit.
		1977-81	**97-64B**	Brass Kit.
LINE 148	**302 C.I. (5.0L) 12V**			**1952-59 L6 BORE - 4.00"/101.6mm**
Guide	Both	1952-59	**30-1758**	2.188 OAL. 0.3435 I.D. 0.5650 O.D.
LINE 149	**302 C.I. (5.0L) OHV 16V Chev. 16V**			**1967-69 V8 BORE - 4.00"/101.6mm**
Valve	Exh	1967-69	**10-919**	1.600 Head Dia.
	Int	1967-69	**10-988**	2.020 Head Dia.
Valve Seat Insert	Exh	1967-69	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1967-69	**20-2125-34**	1-7/8 I.D. 2-1/8 O.D. 7/32 Depth

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 149	302 C.I. (5.0L) OHV 16V Chev. 16V			1967-69 V8	BORE - 4.00"/101.6mm
Guide	Exh	1967-69	30-5607	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1967-69	30-9607	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1967-69	30-9867	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1967-69	32-1943-D	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1967-69	32-880-D	2.030 Free Length. w/ Damper	
	Both	1967-69	32-943-D	2.040 Free Length. w/ Damper, Hi-Perf.	
Keeper	Both	1967-69	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1967-69	36-817CCI	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
	Both	1967-69	36-992	Mechanical High Performance	
Valve Stem Seal	Both	1967-69	38-1054-70	Teflon And Rubber. Guide O.D. 0.562	
	Both	1967-69	38-240-25	Polyacrylic. O-Ring.	
	Both	1967-69	38-450-15	Nitrile. Umbrella.	
	Both	1967-69	38-450-25	Polyacrylic. Umbrella.	
	Both	1967-69	38-450-45	Viton. Umbrella.	
	Both	1967-69	38-938-25	Polyacrylic. Ring And Band.	
	Both	1967-69	38-938-45	Viton. Ring And Band.	
	Both	1967-69	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1967-69	40-2736	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1967-69	40-2737	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	
	Both	1967-69	40-2738	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot	
	Both	1967-69	40-2840	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both	1967-69	40-2841	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole	
	Both	1967-69	40-2842	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both	1967-69	41-1736	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both	1967-69	41-1737	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut	
	Both	1967-69	41-2401	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both	1967-69	41-2508	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
	Both	1967-69	41-2738	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both	1967-69	42-2920	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1967-69	42-2921	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
	Both	1967-69	42-2941	Rocker Stud. 7/16-14x7/16-20 x2.560	
Retainer	Both	1967-69	55-6100	Chrome Moly. 1.240 O.D. 11/32 Stem	
Push Rod	Both	1967-69	74-6034	7.798 Length	
Expansion Plug Kit		1967-69	97-100	Steel Kit.	
		1967-69	97-100B	Brass Kit.	
LINE 150	303 C.I. (5.0L) OHV 16V			1950-53 V8	BORE - 3.75"/95.3mm
Keeper	Both	1950-53	34-555	1 Groove. Heat Treated.	
Valve Stem Seal	Both	1950-53	38-1054-70	Teflon And Rubber. 0.341 Stem Dia.	
LINE 151	305 C.I. (5.0L) Chev. 16V Vin 7,E,F,G,H,M,Q,S,U			1976-02 V8	BORE - 3.74"/94.5mm
Valve	Exh	1976-95	10-1192	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1976-95	10-1192+15	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.	
	Exh	1976-80	10-1206S	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.	
	Exh	1976-95	10-1294	1.500 Head Dia. 0.3718T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1976-95	10-1294+15	1.500 Head Dia. 0.3868T Stem. 4.923 OAL. No Stellite. Chrome Plated.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 151	305 C.I. (5.0L) Chev. 16V Vin 7,E,F,G,H,M,Q,S,U			1976-02 V8	BORE - 3.74"/94.5mm
Valve	Exh	1976-95	**10-1294+3**	1.500 Head Dia. 0.3748T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1976-95	**10-1294+30**	1.500 Head Dia. 0.4018T Stem. 4.923 OAL. No Stellite. Chrome Plated.	
	Exh	1976-95	**10-1294S**	1.500 Head Dia. 0.3718T Stem. 4.923 Length. Stellite & Chrome Plated.	
	Exh	1976-95	**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face	
	Exh	1996-02	**10-1807**	1.500 Head Dia. 4.920 OAL. 0.341 Stem. 1 Groove.	
	Exh	1996-02	**10-1807S**	1.500 Head Dia. 4.920 OAL. 0.341 Stem. 1 Groove. Stellite Face	
	Exh	1976-80	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1976-80	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1976-80	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.	
	Exh	1976-80	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.	
	Int	1976-88	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.	
	Int	1979-93	**10-1393**	1.840 Head Dia. 0.3413 Stem. 4.912 OAL. '79 4BC, 85-93	
	Int	1979-93	**10-1393+15**	1.840 Head Dia. 0.3563 Stem. 4.912 OAL	
	Int	1979-93	**10-1393+3**	1.840 Head Dia. 0.3443 Stem. 4.912 OAL	
	Int	1979-93	**10-1393+30**	1.840 Head Dia. 0.3713 Stem. 4.912 OAL	
	Int	1996-02	**10-1806**	1.840 Head Dia. 4.881 OAL 0.341 Stem. 1 Groove	
Valve Seat Insert	Exh	1976-02	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1976-02	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel	
	Int	1976-87	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.720 Valve Head Dia.	
	Int	1976-02	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth. w/ 1.840 Valve Head Dia.	
Guide	Exh	1976-02	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Exh	1976-95	**30-9107**	2.250 OAL. Spiral 0.374 I.D. 0.502 O.D.	
	Exh	1976-02	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
	Int	1976-02	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.	
Spring	Both	1996-02	**32-1680**	2.059 Free Length.	
	Both	1976-95	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1976-95	**32-880-D**	2.030 Free Length Exc. 1976-77 Exh. w/ Internal Damper	
	Both	1976-95	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
	Exh	1976-77	**32-1038-D**	1.910 Free Length. w/ Damper	
Keeper	Both	1976-02	**34-555**	1 Square Groove. Heat Treated	
Lifter	Both	1988-02	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install	
	Both	1988-02	**36-2148G**	Lifter Guide, Dogbone Type	
	Both	1976-88	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both	1976-98	**37-4003**	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1976-02	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both	1976-93	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1997-02	**38-371-45**	Viton. Metal Clad. 11/32 Stem	
	Both	1976-02	**38-450-15**	Nitrile. Umbrella.	
	Both	1976-02	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1968-02	**38-450-45**	Viton. Umbrella.	
	Both	1976-02	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1976-02	**38-938-45**	Viton. Ring And Band.	
	Both	1976-88	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1976-02	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1976-02	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 151	**305 C.I. (5.0L) Chev. 16V Vin 7,E,F,G,H,M,Q,S,U**			**1976-02 V8 BORE - 3.74"/94.5mm**
Rocker Component	Both	1976-02	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot
	Both	1976-02	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole
	Both	1976-02	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole
	Both	1976-02	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole
Rocker Kit	Both	1976-93	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud
	Both	1976-02	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut
	Both	1976-02	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
	Both	1976-02	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
	Both	1976-02	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
Rocker Component	Both	1976-02	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1976-02	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
	Both	1976-02	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560
Retainer	Both	1985-93	**55-6100**	Chrome Moly. 1.240 O.D. 11/32 Stem
	Both	1976-01	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
	Both	1996-02	**55-6906**	Chrome Moly. 1.130 O.D. 11/32 Stem. Use w/ 32-1680
Push Rod	Both	1976-88	**74-6034**	7.798 Length
	Both	1987-93	**74-6373**	7.195 Length
	Both	1976-02	**74-6615**	7.192 Length. '87-96, VIN K
Expansion Plug Kit		1976-93	**97-100**	Steel Kit.
		1976-93	**97-100B**	Brass Kit.
LINE 152	**305 C.I. (5.0L) 12V GMC Vin A, B, C, D, E**			**1960-69 V6 BORE - 3.74"/94.9mm**
Valve Seat Insert	Exh	1960-69	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1960-69	**20-2062-1**	1-13/16T I.D. 2-1/16 O.D. 1/4 Depth.
Guide	Exh	1960-69	**30-9259**	3.063 OAL 0.5020 O.D. Spiral 0.3430 I.D.
	Int	1960-69	**30-9612**	2.875 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
Keeper	Both	1960-69	**34-555**	1 Square Groove. Heat Treated.
Valve Stem Seal	Both	1960-69	**38-240-25**	Polyacrylic. O-Ring.
	Both	1960-69	**38-450-15**	Nitrile. Umbrella.
	Both	1960-69	**38-450-25**	Polyacrylic. Umbrella.
	Both	1960-69	**38-450-45**	Viton. Umbrella.
Expansion Plug Kit		1960-69	**97-22**	Steel Kit.
		1960-69	**97-22B**	Brass Kit.
LINE 153	**307 C.I. (5.0L) OHV 16V Vin ABCDEFHMNP7**			**1968-73 V8 BORE - 3.88"/98.4mm**
Valve	Exh	1968-73	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated. Series 15, 25, 35, Sprint, 1971 Vandura 2nd Type.
	Exh	1968-73	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1968-73	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1968-73	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome. 1971 Vandura 1st Type. w/o Chrome.
	Exh	1968-73	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1968-73	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1968-73	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1968-73	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1973-73	**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated. Series 15 Blazer, Jimmy, Series 25 Suburban.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 153	307 C.I. (5.0L) OHV 16V Vin ABCDEFHMNP7			1968-73 V8	BORE - 3.88"/98.4mm
Valve	Int	1973-73	**10-1195+15**	1.940 Head Dia. 0.3164 Stem. 4.880 OAL. Chrome Plated.	
	Int	1973-73	**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.	
	Int	1968-73	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome. 1968-70 All, 1971 Vandura 1st Type, Sprint.	
	Int	1968-73	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome	
	Int	1968-73	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome	
	Int	1968-73	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome	
Valve Seat Insert	Exh	1968-73	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Exh	1968-73	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.	
	Int	1968-73	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.720 Valve Head Dia.	
	Int	1968-73	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth. w/ 1.940 Valve Head	
Guide	Both	1968-73	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.	
	Both	1968-73	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.	
Spring	Both	1968-73	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper	
	Both	1968-73	**32-880-D**	2.030 Free Length. w/ Damper	
	Both	1968-73	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.	
	Exh	1972-73	**32-1038-D**	1.910 Free Length. w/ Damper	
Keeper	Both	1968-73	**34-555**	1 Square Groove. Heat Treated.	
Lifter	Both	1968-73	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Valve Stem Seal	Both	1968-73	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.	
	Both	1968-73	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1968-73	**38-450-15**	Nitrile. Umbrella.	
	Both	1968-73	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1968-73	**38-450-45**	Viton. Umbrella.	
	Both	1968-73	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1968-73	**38-938-45**	Viton. Ring And Band.	
	Both	1968-73	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1968-73	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1968-73	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	
	Both	1968-73	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot	
	Both	1968-73	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole	
	Both	1968-73	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole	
	Both	1968-73	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
Rocker Kit	Both	1968-73	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both	1968-73	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut	
	Both	1968-73	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both	1968-73	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
	Both	1968-73	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both	1968-73	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1968-73	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
	Both	1968-73	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560	
Retainer	Both	1968-73	**55-6100**	Chrome Moly. 1.240 O.D. 11/32 Stem	
	Both	1968-73	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1968-73	**74-6034**	7.798 Length	
Expansion Plug Kit		1968-73	**97-100**	Steel Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 153	**307 C.I. (5.0L) OHV 16V Vin ABCDEFHMNP7**			**1968-73 V8 BORE - 3.88"/98.4mm**
Expansion Plug Kit		1968-73	**97-100B**	Brass Kit.
LINE 154	**307 C.I. (5.0L) OHV 16V Vin 9 (H.O.),Y**			**1980-90 V8 BORE - 3.80"/96.5mm**
Valve	Exh	1980-90	**10-1354**	1.502 Head Dia Exc. H.O.
	Int	1980-90	**10-1450**	1.750 Head Dia. 0.3428 Stem. 4.667 OAL
	Int	1980-90	**10-1450+15**	1.750 Head Dia. 0.3578 Stem. 4.667 OAL
Valve Seat Insert	Exh	1980-90	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1980-90	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Int	1980-90	**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth.
Guide	Both	1980-90	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
Spring	Both	1980-90	**32-1016**	1.960 Free Length.
Keeper	Both	1980-90	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1986-90	**36-2104**	Hydraulic Roller
	Both	1980-90	**36-951**	Hydraulic
Valve Stem Seal	Both	1980-90	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1980-90	**38-240-25**	Polyacrylic. O-Ring.
	Both	1980-90	**38-450-15**	Nitrile. Umbrella.
	Both	1980-90	**38-450-25**	Polyacrylic. Umbrella.
	Both	1980-90	**38-450-45**	Viton. Umbrella.
	Both	1980-90	**38-925-15**	Nitrile. Ring And Band.
	Both	1980-90	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1980-90	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
	Exh	1980-90	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1980-90	**38-923-35**	Glass Filled Nylon. Umbrella.
Expansion Plug Kit		1980-90	**97-25**	Steel Kit.
		1980-90	**97-25B**	Brass Kit.
LINE 155	**316 C.I. (5.2L) OHV 16V**			**1955-56 V8 BORE - 3.94"/ 100.0mm**
Guide	Both	1955-56	**30-6106**	2.750 OAL. 0.3430 Plain I.D. 0.5020 O.D.
	Both	1955-56	**30-9106**	2.750 OAL. After S/N 336-35001. Spiral 0.3430 I.D.
Spring	Both	1955-56	**32-577**	1.760 Free Length. Inner Exc. 1963.
Keeper	Both	1955-56	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1955-56	**36-951**	Hydraulic
Valve Stem Seal	Both	1955-56	**38-240-15**	Nitrile. O-Ring
	Both	1955-56	**38-240-25**	Polyacrylic. O-Ring.
Push Rod	Both	1955-56	**74-6105**	9.136 Length
LINE 156	**317 C.I. (5.2L) SOHC 16V 4HK1 Diesel (Isuzu)**			**2005-12 L4 BORE - 4.53"/115.0mm**
Valve	Exh	2005-12	**10-13122**	1.456 Head Dia. 0.312 Stem. 5.134 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8972098763
	Int	2005-12	**10-13121**	1.457 Head Dia. 0.313 Stem. 5.140 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8943958822
Valve Seat Insert	Exh	2005-12	**22-1502-2**	1.232 I.D. 1.502 O.D. 0.2569 Depth. OEM # 8972165110
	Int	2005-12	**22-1502-1**	1.224 I.D. 1.502 O.D. 0.2378 Depth. OEM # 8943958880
Guide	Both	2005-12	**30-3101**	2.245 OAL. 0.3150 I.D. 0.5526 O.D. OEM # 8943907800
Valve Stem Seal	Both	2005-12	**38-7002-55**	Viton. Metal Clad.
Injector Component		2005-12	**87-4620**	Injector Tube, Brass. OEM # 8980184620

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 157	322 C.I. (5.3L) OHV 16V			1956-59 V8	BORE - 4.00"/101.6mm
Guide	Both	1956-59	30-1733	2.750 OAL. 0.3745 I.D. 0.626 O.D.	
LINE 158	324 C.I. (5.3L) OHV 16V			1954-56 V8	BORE - 3.88"/98.4mm
Guide	Exh	1954-56	30-1878	2.375 OAL	
Keeper	Both	1954-56	34-555	1 Square Groove. Heat Treated	
LINE 159	325 C.I. (5.3L) OHV 16V Vin 0137BCJMPTZ (Vortec)			1999-14 V8	BORE - 3.78"/96.0mm
Valve	Exh	1999-14	10-1935	1.550 Head Dia. 0.3136 Stem. 4.915 OAL	
	Exh	1999-14	10-1935S	1.550 Head Dia. 0.3136 Stem. 4.915 OAL Stellite, LPG	
	Int	2005-14	10-13244	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. SG. Nitrided	
	Int	1999-09	10-1934	1.890 Head Dia. 0.3136 Stem. 4.869 OAL	
	Int	1999-09	10-1934S	1.890 Head Dia. 0.3136 Stem. 4.869 OAL. Stellite, LPG	
	Int	2005-09	10-2267	2.000 Head Dia. 0.3136 Stem. 4.869 OAL.	
Valve Seat Insert	Exh	1999-14	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth	
	Exh	1999-14	21-1625-64N	1.335T I.D. 1-5/8 O.D. 0.420 Depth LPG	
	Int	1999-09	21-2062-50	1.750 I.D. 2-1/16 O.D. 0.420 Depth	
	Int	2005-14	21-2062-51	1.750T I.D. 2-1/16 O.D. 0.390 Depth	
Guide	Both	1999-14	30-3053	2.115 OAL. 0.3154 I.D. 0.500 O.D.	
	Both	1999-14	30-3053H	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened	
Spring	Both	2005-14	32-04046	2.126 Free Length. Conical. Ovate.	
	Both	1999-04	32-2500	2.090 Free Length. Conical. Round wire	
Keeper	Both	1999-14	34-5005	0.314 Stem. Round Bead in Middle.	
Lifter	Both	1999-14	36-2148	Hydraulic Roller. 07 Exh. 2.600 OAL. Rotate Oil Hole Up To Install	
	Both	1999-14	36-2148G	Lifter Guide, Dogbone Type	
	Both	2005-14	36-2303	Hydraulic Roller. 3.785 OAL. AFM. "De-Ac". GM # 12639516	
	Both	2005-14	36-2303FG	Front Guide for AFM. Guide Only. 12571596	
	Both	2005-14	36-2303FLA	Front Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645724	
	Both	2005-14	36-2303RG	Rear Guide for AFM. Guide Only. 12571608	
	Both	2005-14	36-2303RLA	Rear Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645723	
Valve Stem Seal	Both	1999-01	38-902-45	Viton. Top Hat.	
	Exh	2001-14	38-900-45	Viton. Top Hat	
	Int	2001-14	38-901-45	Viton. Top Hat	
Rocker Component	Both	1999-13	40-2902	Rocker Arm, HP Caged Bearings LS1 Both LS3 Exh Straight	
Retainer	Both	1999-14	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem	
Push Rod	Both	1999-14	74-6614	7.397 Length	
LINE 160	325 C.I. (5.3L) OHV 16V Vin CDFR			2014-24 V8	BORE - 3.78"/96.0mm
Valve	Exh	2014-25	10-13433	1.555 Head Dia. 0.3136 Stem 5.207 OAL	
	Int	2014-25	10-13432	1.929 Head Dia. 0.3136 Stem 5.211 OAL	
Guide	Both	2014-25	30-3204	2.235 OAL. 0.3150 I.D. 0.5000 O.D.	
Spring	Both	2014-23	32-6688	2.253 Free Length.	
Keeper	Both	2014-25	34-5005	0.314 Stem. Round Bead in Middle.	
Lifter	Both	2014-25	36-2148	Hydraulic Roller. Rotate Oil Hole Up to Install	
	Both	2014-23	36-2148G	Lifter Guide, Dogbone Type	
	Both	2014-25	36-2303	Hydraulic Roller. 3.785 OAL. AFM. "De-Ac". GM # 12639516	
	Both	2014-25	36-2303FG	Front Guide for AFM. Guide Only. 12571596	
	Both	2014-25	36-2303FLA	Front Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645724	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 160	**325 C.I. (5.3L) OHV 16V Vin CDFR**			**2014-24 V8 BORE - 3.78"/96.0mm**
Lifter	Both	2014-25	**36-2303RG**	Rear Guide for AFM. Guide Only. 12571608
	Both	2014-25	**36-2303RLA**	Rear Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645723
Valve Stem Seal	Exh	2014-25	**38-901-45**	Top Hat. Viton. 0.313 Stem
	Int	2014-25	**38-900-45**	Top Hat. Viton. 0.314 Stem
Rocker Component	Both	2014-25	**40-2913**	Rocker Arm
Retainer	Both	2014-25	**55-6103**	Chrome Moly. 1.030 O.D. 0.315 Stem.
Push Rod	Both	2014-25	**74-6696**	7.850 Length.
LINE 161	**326 C.I. (5.3L) OHV 16V Pontiac**			**1963-67 V8 BORE - 3.72"/94.5mm**
Spring	Both	1963-67	**32-577**	1.760 Free Length. Inner.
Keeper	Both	1963-67	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1963-67	**36-951**	Hydraulic
	Both	1963-67	**36-992**	Mechanical High Performance
Valve Stem Seal	Both	1963-67	**38-1065-70**	Teflon And Rubber.
	Both	1963-67	**38-240-25**	Polyacrylic. O-Ring.
Expansion Plug Kit		1963-67	**97-26**	Steel Kit.
		1963-67	**97-26B**	Brass Kit.
LINE 162	**327 C.I. (5.4L) OHV 16V Chev. Vin E,H,J**			**1962-69 V8 BORE - 4.00"/101.6mm**
Valve	Exh	1962-69	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1962-69	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1962-69	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1962-69	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-69	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-69	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1962-69	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Exh	1965-69	**10-919**	1.600 Head Dia. Chrome Plated
	Int	1962-69	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1962-65	**10-399**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. w/o Chrome
	Int	1962-65	**10-399+15**	1.720 Head Dia. 0.3569 Stem. 4.917 OAL. w/o Chrome
	Int	1962-65	**10-399+3**	1.720 Head Dia. 0.3443 Stem. 4.917 OAL. w/o Chrome
	Int	1962-65	**10-399+30**	1.720 Head Dia. 0.3713 Stem. 4.917 OAL. w/o Chrome
	Int	1962-69	**10-696**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. w/o Chrome.
	Int	1962-69	**10-696+15**	1.940 Head Dia. 0.3564 Stem. 4.880 OAL. w/o Chrome.
	Int	1962-69	**10-696+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. w/o Chrome.
	Int	1962-69	**10-696+30**	1.940 Head Dia. 0.3714 Stem. 4.880 OAL. w/o Chrome.
	Int	1965-69	**10-988**	2.020 Head Dia. Chrome Plated
Valve Seat Insert	Exh	1962-69	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1962-69	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1965-69	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.600 Valve Head.
	Int	1962-69	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
	Int	1962-64	**20-2000-7**	1-13/16 I.D. 2.000 O.D. 7/32 Depth. w/ 1.940 Valve Head Dia.
	Int	1965-69	**20-2125-34**	1-7/8 I.D. 2-1/8 O.D. 7/32 Depth. w/ 2.020 Valve Head Dia.
Guide	Exh	1962-69	**30-9459**	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.
	Exh	1962-69	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1962-69	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1962-69	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 162	327 C.I. (5.4L) OHV 16V Chev. Vin E,H,J			1962-69 V8 BORE - 4.00"/101.6mm
Spring	Both	1967-69	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper
	Both	1962-66	**32-685-D**	2.050 Free Length. w/ Damper
	Both	1967-69	**32-880-D**	2.030 Free Length. w/Damper
	Both	1967-69	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.
Keeper	Both	1962-69	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1962-69	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1962-69	**36-992**	Mechanical High Performance
Spring	Both	1962-69	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1962-69	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1962-69	**38-240-25**	Polyacrylic. O-Ring.
	Both	1962-69	**38-450-15**	Nitrile. Umbrella.
	Both	1962-69	**38-450-25**	Polyacrylic. Umbrella.
	Both	1962-69	**38-450-45**	Viton. Umbrella.
	Both	1962-69	**38-731-15**	Nitrile. 2-Ring
	Both	1962-69	**38-925-15**	Nitrile. Ring And Band.
	Both	1962-69	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1962-69	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1962-69	**38-938-45**	Viton. Ring And Band.
	Both	1962-69	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
	Int	1962-65	**38-731-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1962-69	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped
	Both	1962-69	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot
	Both	1962-69	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot
	Both	1962-69	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole
	Both	1962-69	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole
	Both	1962-69	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole
Rocker Kit	Both	1962-69	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud
	Both	1962-69	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut
	Both	1962-69	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
	Both	1962-69	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
	Both	1962-69	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
Rocker Component	Both	1962-69	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1962-69	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
	Both	1962-69	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560
Retainer	Both	1962-69	**55-6100**	Chrome Moly. 1.240 O.D. 11/32 Stem
	Both	1962-69	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1962-69	**74-6034**	7.798 Length
Expansion Plug Kit		1962-69	**97-100**	Steel Kit.
		1962-69	**97-100B**	Brass Kit.
LINE 163	330 C.I. (5.4L) OHV 16V Olds			1964-67 V8 BORE - 3.94"/100.0mm
Valve	Exh	1964-67	**10-970**	1.562 Head Dia.
	Int	1964-67	**10-969**	1.875 Head Dia.
Valve Seat Insert	Exh	1964-67	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1964-67	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1964-67	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 163	**330 C.I. (5.4L) OHV 16V Olds**			**1964-67 V8 BORE - 3.94"/100.0mm**
Guide	Both	1964-67	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
Keeper	Both	1964-67	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1964-67	**36-951**	Hydraulic
Valve Stem Seal	Both	1964-67	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1964-67	**38-810-45**	Viton. Ring And Band.
	Exh	1964-67	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1964-67	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1964-67	**40-2890**	Rocker Arm. Stamped
Expansion Plug Kit		1964-67	**97-25**	Steel Kit.
		1964-67	**97-25B**	Brass Kit.
LINE 164	**331, 365, 390 C.I. Cadillac**			**1949-63 V8 BORE - 3.81"/96.8mm**
Valve Seat Insert	Exh	1959-63	**20-1625-4**	1-5/16 I.D. 1-5/8 O.D. 7/32 Depth
	Int	1959-63	**20-1937-1**	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth.
Guide	Both	1955-63	**30-1745**	2.266 OAL 0.5636 O.D. 0.3445 I.D.
Spring	Both	1949-56	**32-685-D**	2.050 Free Length. w/ Damper
Keeper	Both	1949-63	**34-555**	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1949-63	**38-1065-70**	Teflon And Rubber.
LINE 165	**337 C.I. (5.5L) OHV 16V**			**1958-59 V8 BORE - 3.88"/98.5mm**
Guide	Exh	1958-59	**30-5612**	2.875 OAL. Plain 0.3440 I.D. 0.5020 O.D.
	Exh	1959-59	**30-9106**	2.750 OAL. After S/N 336-35001. Spiral 0.3440 I.D.
	Exh	1958-59	**30-9612**	2.875 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1958-59	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Int	1958-59	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
Spring	Both	1958-59	**32-577**	1.760 Free Length. Inner 1.203 O.D.
Keeper	Both	1958-59	**34-555**	1 Square Groove. Heat Treated.
Push Rod	Both	1958-59	**74-6105**	9.136 Length
LINE 166	**340 C.I. (5.6L) OHV 16V Buick**			**1966-67 V8 BORE - 3.75"/95.2mm**
Valve	Exh	1966-67	**10-976**	1.375 Head Dia.
Valve Seat Insert	Exh	1966-67	**20-1437-3**	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1966-67	**20-1875-6**	1-5/8 I.D. 1-7/8 O.D. 7/32 Depth.
Guide	Exh	1966-67	**30-7460**	2.500 OAL 0.3430 Plain I.D. 0.5020 O.D. Conversion Guide
	Exh	1966-67	**30-9460**	2.500 OAL. 0.3430 Spiral I.D.
	Int	1966-67	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1966-67	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Valve Stem Seal	Both	1966-67	**38-731-15**	Nitrile. 2-Ring
	Both	1966-67	**38-731-25**	Polyacrylic. 2-Ring.
Expansion Plug Kit		1966-67	**97-3**	Steel Kit.
		1966-67	**97-3B**	Brass Kit.
LINE 167	**346 C.I. (5.7L) Cadillac**			**1946-48 V8 BORE - 3.50"/88.9mm**
Guide	Both	1946-48	**30-1411**	3.078 OAL. 0.689 O.D. 0.3440 I.D.
LINE 168	**347 C.I. (5.7L) OHV 16V**			**1957-58 V8 BORE - 3.94"/100.1mm**
Guide	Exh	1957-58	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Exh	1957-58	**30-6105U**	2.500 OAL. 0.3390 Undersize Plain I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 168	**347 C.I. (5.7L) OHV 16V**			**1957-58 V8 BORE - 3.94"/100.1mm**
Guide	Exh	1957-58	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
	Int	1957-58	**30-5612**	2.875 OAL. Plain 0.3440 I.D. 0.5020 O.D.
	Int	1957-58	**30-9612**	2.875 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1957-58	**32-577**	1.760 Free Length. Inner.
Keeper	Both	1957-58	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1957-58	**36-951**	Hydraulic
Valve Stem Seal	Both	1957-58	**38-240-15**	Nitrile. O-Ring
	Both	1957-58	**38-240-25**	Polyacrylic. O-Ring.
	Both	1957-58	**38-4788-35**	Umbrella. Nylon/Viton. Requires Guide Machining
LINE 169	**348 C.I. (5.7L) OHV 16V**			**1958-65 V8 BORE - 4.13"/105mm**
Guide	Exh	1958-65	**30-9110**	2.625 OAL. Spiral I.D. 0.374 I.D. 0.5020 O.D.
	Int	1958-65	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Keeper	Both	1958-65	**34-613**	1 Groove. Heat Treated
Lifter	Both	1958-65	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1958-65	**36-992**	Mechanical High Performance
Valve Stem Seal	Both	1958-65	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1958-65	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1958-65	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
	Both	1958-65	**42-3920**	Stud, 7/16-14 x 3/8-24 No Hex
	Both	1958-65	**42-4920**	Stud, 7/16-14 x 3/8-24 Hex
Push Rod	Both	1959-60	**74-6034**	7.798 Length
	Both	1958-65	**74-6105**	Exh '58. '61-65
LINE 170	**350 C.I. (5.7L) OHV 16V Chev. Vin 5678GKLMPRSW**			**1967-05 V8 BORE - 4.00"/101.6mm**
Valve	Exh	1969-93	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1969-93	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1967-95	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1969-95	**10-1294**	1.500 Head Dia. 0.3718T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1969-95	**10-1294+15**	1.500 Head Dia. 0.3868T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1969-95	**10-1294+3**	1.500 Head Dia. 0.3748T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1969-95	**10-1294+30**	1.500 Head Dia. 0.4018T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1969-95	**10-1294S**	1.500 Head Dia. 0.3718T Stem. 4.923 Length. Stellite & Chrome Plated.
	Exh	1969-95	**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face
	Exh	1994-02	**10-1807**	1.500 Head Dia. 4.920 OAL. 1 Groove.
	Exh	1994-02	**10-1807S**	1.500 Head Dia. 4.920 OAL. 1 Groove. Stellite Face
	Exh	1997-04	**10-1935**	1.550 Head Dia. 0.314 Stem 1 Groove. LS1
	Exh	1967-70	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1967-70	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1967-70	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1967-70	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Exh	1969-77	**10-919**	1.600 Head Dia. Hi-Perf. Chrome Plated
	Int	1969-95	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1969-95	**10-1194**	1.720 Head Dia. Chrome. 4.917 OAL. LPG
	Int	1967-95	**10-1195**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. Chrome Plated.
	Int	1967-95	**10-1195+15**	1.940 Head Dia. 0.3164 Stem. 4.880 OAL. Chrome Plated.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
see online catalog for latest appl. info.				
LINE 170	350 C.I. (5.7L) OHV 16V Chev. Vin 5678GKLMPRSW		1967-05 V8	BORE - 4.00"/101.6mm
Valve	Int	1967-95	**10-1195+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. Chrome Plated.
	Int	1997-04	**10-13244**	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. SG. LS1. Nitrided
	Int	1994-02	**10-1931**	1.940 Head Dia. 4.881 OAL. 0.341 Stem. Chrome Plated . 1G
	Int	1968-71	**10-696**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. w/o Chrome.
	Int	1968-71	**10-696+15**	1.940 Head Dia. 0.3564 Stem. 4.880 OAL. w/o Chrome.
	Int	1968-71	**10-696+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. w/o Chrome.
	Int	1968-71	**10-696+30**	1.940 Head Dia. 0.3714 Stem. 4.880 OAL. w/o Chrome.
	Int	1969-77	**10-988**	2.020 Head Dia. Hi-Perf. Chrome Plated
Cylinder Head, Stock		1996-02	**16-157906**	Cast Iron. Casting # 906,062. New bare w/ seats, guides. Vin R
		1996-02	**16-157906-K1**	Head Kit w/ 2 Heads, 16 Valves, Springs, Stem Seals, Retainers, 32 Keepers
Valve Seat Insert	Exh	1967-82	**20-1500-4**	1-7/32T I.D. 1-1/2 O.D. 7/32 Depth, For Use On Heads w/ Thin Wall Sections
	Exh	1967-02	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth.
	Exh	1967-02	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel.
	Exh	1967-82	**20-1562-36**	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth, For Use On Heads w/ Thin Wall Sections
	Exh	1967-82	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth. For Use On Heads w/ Thin Wall Sections
	Exh	1982-93	**20-1625-3**	1-5/16 I.D. 1-5/8 O.D. 1/4 Depth.
	Exh	1967-82	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.600 Valve Head.
	Int	1969-02	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth.
	Int	1996-02	**20-2000-36**	1-3/4 I.D. 2.000 O.D. 3/16 Depth. w/ 1.940 Valve Head Dia.
	Int	1967-02	**20-2000-7**	1-13/16 I.D. 2.000 O.D. 7/32 Depth. w/ 1.940 Valve Head Dia.
	Int	1967-82	**20-2125-34**	1-7/8 I.D. 2-1/8 O.D. 7/32 Depth. w/ 2.020 Valve Head Dia.
	Exh	1997-04	**21-1625-64**	1.335T I.D. 1-5/8 O.D. 0.420 Depth
	Int	1997-04	**21-2062-51**	1.750 I.D. 2-1/16 O.D. 0.390 Depth
Guide	Both	1997-05	**30-3053**	2.115 OAL. 0.3154 I.D. 0.500 O.D.
	Both	1997-05	**30-3053H**	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened
	Both	1996-97	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Both	1969-02	**30-8180**	2.275 OAL. 0.343 I.D. 0.558 O.D. Alum. Heads
	Both	1996-97	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Exh	1995	**30-6107**	2.250 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Exh	1967-02	**30-7946**	2.250 OAL. 0.3430 Plain I.D. 0.5020 O.D.
	Exh	1982-02	**30-7999**	2.200 OAL. w/ Replaceable Exh. Guide. Use Caution When Removing Stepped O.D.
	Exh	1969-95	**30-9107**	2.250 OAL. Spiral 0.374 I.D. 0.502 O.D.
	Exh	1967-02	**30-9946**	2.250 OAL. 0.3430 Spiral I.D. 0.5020 O.D.
	Int	1967-02	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1995-02	**32-1680**	2.059 Free Length. Vortec
	Both	1967-99	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper
	Both	1992-97	**32-2210**	2.016 Free Length. 1.300 O.D. LT1
	Both	1997-04	**32-2500**	2.090 Free Length. Conical. LS1. Round wire
	Both	2002-05	**32-5017**	2.125 Free Length. Conical.
	Both	1967-95	**32-880-D**	2.030 Free Length Exc. 1973-80 Exh. w/ Damper
	Both	1967-95	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.
	Exh	1973-95	**32-1038-D**	1.910 Free Length. w/ Damper
Keeper	Both	1997-05	**34-5005**	0.314 Stem. Round Bead in Middle.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 170	350 C.I. (5.7L) OHV 16V Chev. Vin 5678GKLMPRSW			1967-05 V8	BORE - 4.00"/101.6mm
Keeper	Both	1967-02	**34-555**	1 Square Groove. Heat Treated.	
Lifter	Both	1987-05	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up to Install	
	Both	1987-05	**36-2148G**	Lifter Guide, Dogbone Type	
	Both	1967-95	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body	
Spring	Both	1967-95	**37-4003**	Rotator. OEM # 14042575	
Valve Stem Seal	Both	1967-02	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562	
	Both	1967-95	**38-240-25**	Polyacrylic. O-Ring.	
	Both	1994-02	**38-371-45**	Viton. Metal Clad	
	Both	1967-02	**38-450-15**	Nitrile. Umbrella.	
	Both	1967-02	**38-450-25**	Polyacrylic. Umbrella.	
	Both	1967-02	**38-450-45**	Viton. Umbrella.	
	Both	1967-04	**38-731-15**	Nitrile. 2-Ring	
	Both	1967-02	**38-731-25**	Polyacrylic. 2-Ring.	
	Both	2001-01	**38-902-45**	Viton. Top Hat.	
	Both	1968-82	**38-925-15**	Nitrile. Ring And Band.	
	Both	1968-82	**38-925-25**	Polyacrylic. Ring And Band.	
	Both	1967-02	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1967-02	**38-938-45**	Viton. Ring And Band.	
	Exh	2001-05	**38-901-45**	Viton. Top Hat	
	Int	2001-05	**38-900-45**	Viton. Top Hat	
Rocker Component	Both	1967-02	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
	Both	1967-97	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot	
	Both	1967-97	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot	
	Both	1967-97	**40-2840**	Rocker Arm, 1.5 Stamped Long Slot 3/8 Hole	
	Both	1967-97	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole	
	Both	1967-02	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole	
	Both	1997-03	**40-2902**	Rocker Arm, HP Caged Bearings LS1 Both LS3 Exh Straight	
Rocker Kit	Both	1967-02	**41-1736**	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut. Use w/ 42-2921 Stud	
	Both	1967-97	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut	
	Both	1967-97	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut	
	Both	1967-97	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
	Both	1967-97	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball	
Rocker Component	Both	1967-97	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In	
	Both	1967-02	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.	
	Both	1967-97	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560	
Retainer	Both	1992-98	**55-6100**	Chrome Moly. 1.240 O.D. 11/32 Stem	
	Both	1997-04	**55-6103**	Chrome Moly. 1.030 O.D. 0.315 Stem. Use w/ 32-2500. LS1	
	Both	1967-95	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem	
	Both	1985-02	**55-6906**	Chrome Moly. 1.130 O.D. 11/32 Stem. Use w/ 32-1680	
Push Rod	Both	1967-93	**74-6034**	7.798 Length	
	Both	1987-97	**74-6373**	7.195 Length	
	Both	1997-05	**74-6614**	7.397 Length	
	Both	1966-02	**74-6615**	7.192 Length. '87-96, VIN K	
Expansion Plug Kit		1967-04	**97-100**	Steel Kit.	
		1967-04	**97-100B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 171	350 C.I. (5.7L) OHV 16V Pontiac K,P			1968-77 V8 BORE - 3.88"/98.4mm
Valve	Exh	1968-69	**10-1097**	1.770 Head Dia. 5.093 OAL, 4BC
	Exh	1972-72	**10-1160**	1.770 Head Dia. 4.970 OAL
	Exh	1973-77	**10-1245**	1.660 Head Dia.
	Int	1968-69	**10-1098**	2.110 Head Dia. 5.098 OAL. 4BC
	Int	1975-77	**10-1161**	2.110 Head Dia. 4.979 OAL
	Int	1970-74	**10-1296**	1.960 Head Dia.
Valve Seat Insert	Exh	1968-77	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.660 Valve Head Dia. +10 O/S Avail.
	Exh	1968-77	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. w/ 1.770 Valve Head Dia.
	Int	1968-77	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1968-77	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1968-77	**30-7946**	2.250 OAL. 0.3430 Plain I.D. 0.5020 O.D.
	Exh	1968-77	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Exh	1968-77	**30-9946**	2.250 OAL. 0.3430 Spiral I.D 0.5020 O.D.
	Int	1968-77	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1968-77	**32-813**	1.760 Free Length. Inner.
	Both	1968-68	**32-922**	1.995 Free Length. Inner w/ Ram Air
Keeper	Both	1968-77	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1968-77	**36-951**	Hydraulic. Exc. '69-70 Ram Air
Valve Stem Seal	Both	1968-77	**38-1065-70**	Teflon And Rubber.
	Both	1968-77	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1968-77	**38-240-25**	Polyacrylic. O-Ring.
	Both	1968-77	**38-450-15**	Nitrile. Umbrella.
	Both	1968-77	**38-450-25**	Polyacrylic. Umbrella.
	Both	1968-77	**38-450-45**	Viton. Umbrella.
	Both	1969-77	**38-921-25**	Polyacrylic. 2-Ring.
	Both	1968-77	**38-925-15**	Nitrile. Ring And Band.
	Both	1968-77	**38-925-25**	Polyacrylic. Ring And Band.
Rocker Kit	Both	1968-77	**41-2536**	Rocker Kit
Push Rod	Both	1968-77	**74-6105**	9.136 Length
Expansion Plug Kit		1968-77	**97-26**	Steel Kit.
		1968-77	**97-26B**	Brass Kit.
LINE 172	350 C.I. (5.7L) OHV 16V Olds Vin B, R, 8			1968-80 V8 BORE - 4.06"/103.1mm
Valve	Exh	1973-76	**10-1324**	1.622 Head Dia. 4.675 OAL.
	Exh	1977-80	**10-1354**	1.502 Head Dia.
	Exh	1968-71	**10-970**	1.562 Head Dia. w/o Outside Air Induction
	Exh	1968-71	**10-974**	1.624 Head Dia. w/ Outside Air Induction 4.695 OAL
	Int	1973-80	**10-1263**	1.875 Head Dia. 0.3428 Stem. 4.667 OAL
	Int	1968-71	**10-1457**	1.995 Head Dia. w/ Outside Air Induction.
	Int	1968-72	**10-969**	1.875 Head Dia. Exc. 1968-71 w/o Outside Air Induction
Valve Seat Insert	Exh	1977-80	**20-1562-2**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1977-80	**20-1562-2N**	1-5/16T I.D. 1-9/16 O.D. 1/4 Depth. 1.502 Head Dia.
	Exh	1968-71	**20-1687-17**	1-1/2 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.624 Valve Head Dia.
	Exh	1968-71	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.562 Valve Head Dia.
	Exh	1972-76	**20-1687-5**	1-3/8 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.622 Head Dia.
	Int	1968-80	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 172	350 C.I. (5.7L) OHV 16V Olds Vin B, R, 8			1968-80 V8 BORE - 4.06"/103.1mm
Valve Seat Insert	Int	1968-80	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1968-71	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth. w/ 1.995 Valve Head Dia.
Guide	Both	1968-80	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
	Exh	1968-80	**30-7946**	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.
	Exh	1968-80	**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.
Spring	Both	1972-80	**32-1016**	1.960 Free Length. Exc. 1972 Exh. w/ Damper
Keeper	Exh	1968-80	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1968-80	**36-951**	Hydraulic
Valve Stem Seal	Both	1968-80	**38-1054-70**	Teflon And Rubber.
	Both	1968-80	**38-240-25**	Polyacrylic. O-Ring.
	Both	1968-80	**38-450-15**	Nitrile. Umbrella.
	Both	1968-80	**38-450-25**	Polyacrylic. Umbrella.
	Both	1968-80	**38-450-45**	Viton. Umbrella.
	Both	1968-80	**38-731-15**	Nitrile. 2-Ring
	Both	1968-80	**38-731-25**	Polyacrylic. 2-Ring.
	Both	1968-80	**38-925-15**	Nitrile. Ring And Band.
	Both	1968-80	**38-925-25**	Polyacrylic. Ring And Band.
	Exh	1968-80	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1968-80	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1968-79	**40-2890**	Rocker Arm. Stamped
Push Rod	Both	1968-80	**74-6317**	9.682 Length
Expansion Plug Kit		1968-80	**97-25**	Steel Kit.
		1968-80	**97-25B**	Brass Kit.
LINE 173	350 C.I. (5.7L) OHV 16V Buick H, J, X			1968-81 V8 BORE - 3.80"/96.5mm
Valve	Exh	1968-74	**10-1188**	1.500 Head Dia.
	Exh	1975-80	**10-1320**	1.550 Head Dia.
	Int	1968-80	**10-1082**	1.875 Head Dia.
Valve Seat Insert	Exh	1968-80	**20-1625-1**	1-3/8 I.D. 1-5/8 O.D. 7/32 Depth. +5,10,15,30 O/S Avail.
	Int	1968-80	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1968-80	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1968-80	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D. 30-6113 Plain I.D. Also Avail.
	Int	1968-80	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Spring	Both	1968-80	**32-1001**	Exc. 1971-80 Exh. 2.130 Free length
Lifter	Both	1970-80	**36-6005**	Hydraulic
Valve Stem Seal	Both	1968-80	**38-240-25**	Polyacrylic. O-Ring.
	Both	1968-80	**38-450-15**	Nitrile. Umbrella.
	Both	1968-80	**38-450-25**	Polyacrylic. Umbrella.
	Both	1968-80	**38-450-45**	Viton. Umbrella.
	Both	1968-81	**38-921-25**	Polyacrylic. 2-Ring.
	Both	1968-80	**38-925-15**	Nitrile. Ring And Band.
	Both	1968-80	**38-925-25**	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.
	Exh	1968-81	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1968-81	**38-923-35**	Glass Filled Nylon. Umbrella.
Push Rod	Both	1970-81	**74-6317**	9.682 Length
Expansion Plug Kit		1968-80	**97-3**	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 173	**350 C.I. (5.7L) OHV 16V Buick H, J, X**			**1968-81 V8 BORE - 3.80"/96.5mm**
Expansion Plug Kit		1968-80	**97-3B**	Brass Kit.
LINE 174	**350 C.I. (5.7L) OHV 16V Olds Diesel Vin N,Z**			**1978-85 V8 BORE - 4.00"/101.6mm**
Valve Seat Insert	Exh	1978-85	**20-1687-16**	1-7/16 I.D. 1-11/16 O.D. 3/16 Depth.
	Int	1978-85	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1978-85	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Both	1978-85	**30-9561**	2.375 OAL. Spiral I.D. w/ 0.502 O.D.
	Exh	1978-85	**30-7946**	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.
	Exh	1978-85	**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.
Keeper	Both	1978-85	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1981-85	**36-2104**	Hydraulic Roller
Valve Stem Seal	Both	1978-85	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1978-85	**38-240-25**	Polyacrylic. O-Ring.
	Both	1978-85	**38-450-15**	Nitrile. Umbrella.
	Both	1978-85	**38-450-25**	Polyacrylic. Umbrella.
	Both	1978-85	**38-450-45**	Viton. Umbrella.
	Both	1978-85	**38-925-15**	Nitrile. Ring And Band.
	Both	1978-85	**38-925-25**	Polyacrylic. Ring And Band.
	Exh	1978-85	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1978-85	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1978-79	**40-2890**	Rocker Arm. Stamped
Expansion Plug Kit		1978-85	**97-25**	Steel Kit.
		1978-85	**97-25B**	Brass Kit.
LINE 175	**351 C.I. (5.8L) OHV 12V Vin C, E, M**			**1960-72 V6 BORE - 4.56"/115.9mm**
Valve Seat Insert	Int	1960-72	**20-2250-2**	1-7/8 I.D. 2-1/4 O.D. 9/32 Depth
	Exh	1960-72	**22-1952-1**	1.660 I.D. 1.952 O.D. 0.365 Depth
Guide	Exh	1960-72	**30-6116**	3.125 OAL. 0.4375 Plain ID. 0.6270 OD.
	Exh	1960-72	**30-9116**	3.125 OAL. 0.4375 Spiral ID. 0.6270 OD.
	Int	1960-72	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Keeper	Exh	1960-72	**34-555**	1 Square Groove. Heat Treated.
Valve Stem Seal	Both	1960-72	**38-240-25**	Polyacrylic. O-Ring.
	Both	1960-65	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Expansion Plug Kit		1960-72	**97-22**	Steel Kit.
		1960-72	**97-22B**	Brass Kit.
LINE 176	**364 C.I (6.0L) OHV 16V Vortec Vin 25BGHKNUY**			**1999-20 V8 BORE - 4.00"/101.2mm**
Valve	Exh	2007-20	**10-13042**	1.591 Head Dia. 0.3136 Stem.
	Exh	2010-20	**10-13241S**	1.589 Head Dia. Stellite.
	Exh	2010-20	**10-13440**	1.587 Head Dia. 0.3136 Stem. Inconel
	Exh	2001-13	**10-1935**	1.550 Head Dia. 0.3136 Stem
	Exh	1999-13	**10-1935S**	1.550 Head Dia. Stellite. LPG.
	Exh	1999-00	**10-2045**	1.551 Head Dia. 0.3126 Stem
	Int	2007-20	**10-13240**	2.165 Head Dia. 0.3135 Stem. 4.870 OAL. Nitrided
	Int	2010-13	**10-13244**	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. Nitrided
	Int	1999-09	**10-2267**	2.000 Head Dia. 0.3136 Stem. LPG
Engine Block		1999-09	**14-160400**	Cast Iron. LY6. 4.00" Bore. 9.230-9.240" Deck. Nodular Iron 6-Bolt Mains. Non-DOD, Casting # 12576181

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 176	364 C.I (6.0L) OHV 16V Vortec Vin 25BGHKNUY			1999-20 V8 BORE - 4.00"/101.2mm
Valve Seat Insert	Exh	1999-13	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth
	Exh	1999-13	21-1625-64N	1.335T I.D. 1-5/8 O.D. 0.4200 Depth. LPG -Nickel.
	Int	1999-13	21-2062-51	1.750 I.D. 2-1/16 O.D. 0.390 Depth
	Int	2007-20	21-2250-50	1-7/8 I.D. 2-1/4 O.D. 0.375 Depth.
	Exh	2016-20	22-1634-3	1.360T I.D. 1.634 O.D. 0.300 Depth
	Exh	2016-20	22-1634-3N	1.360T I.D. 1.634 O.D. 0.300 Depth. Nickel
Guide	Both	1999-20	30-3053	2.115 OAL. 0.3154 I.D. 0.500 O.D.
	Both	1999-20	30-3053H	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened
Spring	Both	2005-20	32-04046	2.126 Free Length. Conical. Ovate.
	Both	1999-20	32-2500	2.090 Free Length. Conical. Round wire
	Both	2005-09	32-5017	2.125 Free Length. Conical.
Keeper	Both	1999-20	34-5005	0.314 Stem. Round Bead in Middle.
Lifter	Both	1999-20	36-2148	Hydraulic Roller. Rotate Oil Hole Up to Install
	Both	1999-20	36-2148G	Lifter Guide, Dogbone Type
	Both	2007-20	36-2303	Hydraulic Roller. 3.785 OAL. AFM. "De-Ac". GM # 12639516
	Both	2007-20	36-2303FG	Front Guide for AFM. Guide Only. 12571596
	Both	2007-20	36-2303FLA	Front Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645724
	Both	2007-20	36-2303RG	Rear Guide for AFM. Guide Only. 12571608
	Both	2007-20	36-2303RLA	Rear Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645723
Valve Stem Seal	Both	1999-01	38-902-45	Viton. Top Hat.
	Exh	2001-20	38-900-45	Viton. Top Hat.
	Int	2001-20	38-901-45	Viton. Top Hat.
Rocker Component	Both	1999-20	40-2902	Rocker Arm, HP Caged Bearings Straight LS1 Both LS3 Exh
	Int	2007-20	40-2903	Rocker Arm, HP Caged Bearings Offset LS3 Int
Retainer	Both	1999-04	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Both	1999-20	74-6614	7.397 Length
LINE 177	366 C.I. (6.0L) OHV 16V Vin E,L,N,P			1966-98 V8 BORE - 3.94"/100.0mm
Valve	Exh	1980-98	10-1235S	1.660 Head Dia. 2nd Des.
	Exh	1980-98	10-21235S	1.660 Head Dia. Stellite, Nitrided. Natl. Gas 20 Deg.
	Exh	1966-98	10-996S	1.660 Head Dia. 0.3718 Stem. 5.367 OAL. Stellite. 1st Des.
	Exh	1966-98	10-996S+15	1.660 Head Dia. 0.3868 Stem. 5.367 OAL. Stellite.
	Int	1980-98	10-1087	1.940 Head Dia. 2nd Des.
	Int	1966-85	10-997	1.840 Head Dia. 0.3720 Stem. 5.235 OAL. 1st Des. Exc. H.D. Emis. Control.
	Int	1966-85	10-997+15	1.840 Head Dia. 0.3870 Stem. 5.235 OAL.
	Int	1966-85	10-997+3	1.840 Head Dia. 0.3750 Stem. 5.235 OAL.
	Int	1966-85	10-997+30	1.840 Head Dia. 0.4020 Stem. 5.235 OAL.
Valve Seat Insert	Exh	1966-98	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1966-98	20-1812-21N	1-15/32 I.D. 1-13/16 O.D. 5/16 Depth. Use w/ 1-13/16 Cutter. Nickel
	Int	1966-98	20-1937-17	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth. w/ 1.840 Valve Head Dia.
	Int	1966-98	20-2125-11	1-3/4 I.D. 2-1/8 O.D. 7/32 Depth, w/ 1.940 Valve Head Dia.
Guide	Exh	1985-98	30-8256	New Style. 2.755 OAL. Spiral I.D. Drive Out Toward Valve Seat
	Exh	1966-98	30-9208	2.740 OAL. Spiral I.D. Drive Out Toward Spring Seat
	Int	1966-98	30-9973	2.420 OAL. Spiral I.D.
Spring	Both	1996-98	32-04013	2.050 Free Length. Conical.
	Both	1986-96	32-1330-D	2.060 Free Length. w/ Damper

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 177	**366 C.I. (6.0L) OHV 16V Vin E,L,N,P**			**1966-98 V8 BORE - 3.94"/100.0mm**
Spring	Both	1966-85	**32-864-D**	2.050 Free Length. 1st Des. w/ Damper
Keeper	Both	1966-98	**34-613**	1 Groove. Heat Treated
Lifter	Both	1991-98	**36-6005**	Hydraulic
	Both	1966-90	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Rotator	Both	1966-67	**37-1046**	Rotator. OEM # 14081046
Valve Stem Seal	Both	1966-98	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1966-98	**38-252-45**	Viton. Umbrella.
	Both	1984-98	**38-844-45**	Viton. Ring And Spring.
	Both	1966-98	**38-910-25**	Polyacrylic. Umbrella.
Rocker Component	Both	1966-90	**40-2867**	Rocker Arm. Stamped. 1.72 Ratio
Rocker Kit	Both	1966-90	**41-2504**	1 40-2867, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball
Retainer	Both	1966-96	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
Push Rod	Both	1966-83	**74-6335**	9.650 Length
	Int	1966-98	**74-6443**	Int., '68-76 w/Welded Balls. 8.680 Length
Expansion Plug Kit		1966-98	**97-10**	Steel Kit.
		1966-98	**97-10B**	Brass Kit.
LINE 178	**368 C.I. (6.0L) OHV 16V Cadillac Carb./F.I. Vin 6, 9**			**1980-84 V8 BORE - 3.80"/96.5mm**
Valve	Int	1980-84	**10-1434**	1.750 Head Dia.
Valve Seat Insert	Exh	1980-84	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1980-84	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 7/32 Depth
	Int	1980-84	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
Guide	Both	1980-84	**30-9523**	3.063 OAL. 0.3440 Spiral I.D. 0.5020 O.D.
Keeper	Both	1980-84	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1980-84	**36-6005**	Hydraulic
Valve Stem Seal	Both	1980-84	**38-956-45**	Viton. Ring And Band.
Expansion Plug Kit		1980-84	**97-5**	Steel Kit.
		1980-84	**97-5B**	Brass Kit.
LINE 179	**370 C.I. (6.1L) OHV 16V GMC**			**1957-59 V8 BORE - 4.00"/101.6mm**
Guide	Exh	1957-59	**30-1878**	2.375 OAL. 0.3973 I.D. 0.658 O.D.
Valve Stem Seal	Both	1957-59	**38-530-15**	Nitrile. Umbrella
	Both	1957-59	**38-530-25**	Polyacrylic. Umbrella.
	Both	1957-59	**38-530-45**	Viton. Umbrella.
LINE 180	**370 C.I. (6.1L) OHV 16V Pontiac**			**1958-58 V8 BORE - 4.06"/ 103.0mm**
Guide	Exh	1958-58	**30-5612**	2.875 OAL. Plain 0.3440 I.D. 0.5020 O.D.
	Exh	1958-58	**30-6105U**	2.500 OAL. 0.3390 Undersize Plain I.D. 0.5020 O.D.
	Exh	1958-58	**30-9612**	2.875 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1958-58	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Int	1958-58	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
Spring	Both	1958-58	**32-577**	1.760 Free Length. Inner.
Keeper	Both	1958-58	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1958-58	**36-951**	Hydraulic
Valve Stem Seal	Both	1958-58	**38-240-15**	Nitrile. O-Ring
	Both	1958-58	**38-240-25**	Polyacrylic. O-Ring.
Push Rod	Both	1958-58	**74-6105**	9.136 Length

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 181	**376 C.I. (6.2L) OHV/DOHC 16V VVT Vin FJPRTW246789**			**2007-25 V8 BORE - 4.06"/103.3mm**
Valve	Exh	2007-17	**10-13042**	1.593 Head Dia. 0.3136 Stem Dia.
	Exh	2007-08	**10-13241S**	1.589 Head Dia. Stellite. CNG
	Exh	2014-25	**10-30815**	1.594 Head Dia. 0.313 Stem. 5.201 OAL.
	Int	2007-17	**10-13239**	2.165 Head Dia. 4.890 OAL. 0.225 Tip to Groove. LS3 w/ Man. Trans.
	Int	2007-17	**10-13240**	2.165 Head Dia. 4.870 OAL. 0.204 Tip to Groove. LS3 w/ Auto. Trans.
	Int	2014-25	**10-30814**	2.125 Head Dia. 0.313 Stem. 5.240 OAL
Valve Seat Insert	Int	2007-25	**21-2250-50**	1-7/8 I.D. 2-1/4 O.D. 0.375 Depth.
	Exh	2007-25	**22-1634-3**	1.360T I.D. 1.634 O.D. 0.300 Depth
	Exh	2007-25	**22-1634-3N**	1.360T I.D. 1.634 O.D. 0.300 Depth. Nickel CNG
Guide	Both	2007-25	**30-3053**	2.115 OAL. 0.3154 I.D. 0.500 O.D.
	Both	2007-25	**30-3053H**	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened
Spring	Both	2007-15	**32-04046**	2.126 Free Length. Conical. Ovate. Vin 2,8,F,P
	Both	2008-17	**32-5017**	2.125 Free Length. Conical. Ovate. Vin J,W
Keeper	Both	2007-25	**34-5005**	0.314 Stem. Round Bead in Middle.
Lifter	Both	2007-25	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up to Install
	Both	2007-25	**36-2148G**	Lifter Guide, Dogbone Type
	Both	2007-25	**36-2303**	Hydraulic Roller. 3.785 OAL. AFM. "De-Ac" Not Dynamic (DFM) GM # 12639516
	Both	2007-25	**36-2303FG**	Front Guide for AFM. Guide Only. 12571596
	Both	2007-25	**36-2303FLA**	Front Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645724
	Both	2007-25	**36-2303RG**	Rear Guide for AFM. Guide Only. 12571608
	Both	2007-25	**36-2303RLA**	Rear Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645723
Valve Stem Seal	Exh	2007-25	**38-901-45**	Viton. Top Hat
	Int	2007-25	**38-900-45**	Viton. Top Hat
Rocker Component	Both	2014-25	**40-2913**	Rocker Arm. OE style.
	Exh	2007-25	**40-2902**	Rocker Arm, HP Caged Bearings LS1 Both LS3 Exh Straight
	Int	2007-25	**40-2903**	Rocker Arm, HP Caged Bearings Offset LS3 Int
Retainer	Both	2007-25	**55-6103**	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Both	2007-16	**74-6614**	7.397 Length.
	Both	2013-25	**74-6696**	7.850 Length.
LINE 182	**379 C.I. (6.2L) OHV 12V**			**1973-75 V6 BORE - 4.50"/115.9mm**
Valve Seat Insert	Int	1973-75	**20-2250-2**	1-7/8 I.D. 2-1/4 O.D. 9/32 Depth
Guide	Exh	1973-75	**30-6116**	3.125 OAL. 0.4375 Plain ID. 0.6270 OD.
	Exh	1973-75	**30-9116**	3.125 OAL. 0.4375 Spiral ID. 0.6270 OD.
	Int	1973-75	**30-6115**	2.750 OAL 0.3750 Plain I.D. 0.5020 O.D.
	Int	1973-75	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Keeper	Exh	1973-75	**34-555**	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1973-75	**38-240-25**	Polyacrylic. O-Ring.
	Both	1973-75	**38-450-15**	Nitrile. Umbrella.
	Both	1973-75	**38-450-25**	Polyacrylic. Umbrella.
	Both	1973-75	**38-450-45**	Viton. Umbrella.
LINE 183	**381 C.I. (6.2L) OHV 16V Diesel Vin C, J**			**1982-93 V8 BORE - 3.98"/101.0mm**
Valve	Exh	1984-93	**10-1482S**	1.496 Head Dia. J Eng.
	Exh	1982-87	**10-1483S**	1.653 Head Dia. 1982-83 All & 1984-87 C Eng.
	Exh	1988-93	**10-1780S**	1.535 Head Dia. C Eng.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 183	381 C.I. (6.2L) OHV 16V Diesel Vin C, J			1982-93 V8 BORE - 3.98"/101.0mm
Valve	Int	1982-93	**10-1484**	1.811 Head Dia. 1982-83 C Eng. & 1984-93 All
	Int	1982-83	**10-1518**	1.968 Head Dia. J Eng.
Valve Seat Insert	Exh	1982-93	**20-1562-36N**	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth. w/ 1.535 Valve Head Dia. Nickel
	Exh	1982-87	**20-1687-15**	1-7/16 I.D. 1-11/16 O.D. 5/32 Depth. w/ 1.653 Valve Head Dia.
	Int	1982-93	**20-1937-23**	1-11/16 I.D. 1-15/16 O.D. 3/16 Depth. w/ 1.811 Valve Head Dia.
	Int	1982-83	**20-2000-22**	1-3/4 I.D. 2.000 O.D. 5/32 Depth. w/ 1.968 Valve Head Dia.
Guide	Int	1982-93	**30-9715**	2.125 OAL
Spring	Both	1982-93	**32-1220-D**	2.035 Free Length. w/ Damper
Keeper	Both	1982-93	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1982-93	**36-2104**	Hydraulic Roller
Spring	Both	1988-93	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1982-93	**38-240-25**	Polyacrylic. O-Ring.
	Both	1982-93	**38-450-15**	Nitrile. Umbrella.
	Both	1982-93	**38-450-25**	Polyacrylic. Umbrella.
	Both	1982-93	**38-450-45**	Viton. Umbrella.
	Both	1982-93	**38-552-45**	Viton. Metal Clad
	Both	1982-93	**38-925-15**	Nitrile. Ring And Band.
	Both	1982-93	**38-925-25**	Polyacrylic. Ring And Band.
	Exh	1982-93	**38-921-25**	Polyacrylic. 2-Ring.
Retainer	Both	1982-93	**55-6115**	Retainer. For OE Stock Spring. 1.200x0.740
Push Rod	Both	1982-93	**74-6609**	8.822 Length. OEM # 23503994
Expansion Plug Kit		1982-93	**97-98B**	Brass Kit
LINE 184	389 C.I. (6.4L) OHV 16V Pontiac			1959-66 V8 BORE - 4.06"/103.2mm
Valve	Exh	1964-66	**10-1072**	1.640 Head Dia. 4BC Or 3-2BC, 1966 w/ 10.5:1 Or 10.75:1 C/R
	Int	1964-66	**10-958**	1.920 Head Dia. 4BC Or 3-2BC, 1966 w/ 10.5:1 Or 10.75:1 C/R
Valve Seat Insert	Exh	1959-66	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth. w/ 1.600 Valve Head.
	Exh	1959-66	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.640 Valve Head Dia. +10 O/S Avail.
	Int	1959-66	**20-1937-1**	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth. w/ 1.881 Valve Head Dia.
	Int	1959-66	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1959-66	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1959-60	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Exh	1959-60	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
	Exh	1959-66	**30-9459**	2.375 OAL. Spiral 0.343 I.D. 0.502 O.D.
	Exh	1959-66	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1959-66	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1959-60	**30-5612**	2.875 OAL. Plain 0.3440 I.D. 0.5020 O.D.
	Int	1959-66	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Int	1959-60	**30-9612**	2.875 OAL. Spiral 0.3440 I.D.
Spring	Both	1959-64	**32-577**	1.760 Free Length. Inner 1.203 O.D.
	Both	1965-66	**32-813**	1.760 Free Length. 1.050/1.065 O.D. Inner
Keeper	Both	1964-66	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1959-66	**36-951**	Hydraulic
Valve Stem Seal	Both	1959-66	**38-1065-70**	Teflon And Rubber.
	Both	1959-66	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1959-66	**38-240-25**	Polyacrylic. O-Ring.

see online catalog for latest appl. info.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 184	**389 C.I. (6.4L) OHV 16V Pontiac**			**1959-66 V8 BORE - 4.06"/103.2mm**
Valve Stem Seal	Both	1959-66	**38-450-15**	Nitrile. Umbrella.
	Both	1959-66	**38-450-25**	Polyacrylic. Umbrella.
	Both	1959-66	**38-450-45**	Viton. Umbrella.
Push Rod	Both	1959-66	**74-6105**	9.136 Length
Expansion Plug Kit		1959-66	**97-26**	Steel Kit.
		1959-66	**97-26B**	Brass Kit.
LINE 185	**395 C.I. (6.5L) OHV 16V D TRB Vin F,P,S,Y,Z**			**1992-04 V8 BORE - 4.05"/102.9mm**
Valve	Exh	1992-04	**10-1780S**	1.535 Head Dia. 0.372 Stem Dia.
	Int	1992-04	**10-1484**	1.811 Head Dia. 0.341 Stem Dia. OEM # 14033927
Valve Seat Insert	Exh	1992-04	**20-1562-36N**	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth. Nickel
	Int	1992-04	**20-1937-23**	1-11/16 I.D. 1-15/16 O.D. 3/16 Depth.
Guide	Int	1992-04	**30-9715**	2.125 OAL
Spring	Both	1992-04	**32-1220-D**	2.035 Free Length. w/ Damper
Keeper	Both	1992-04	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1992-04	**36-2104**	Hydraulic Roller
Spring	Both	1992-04	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1992-04	**38-450-15**	Nitrile. Umbrella.
	Both	1992-04	**38-450-45**	Viton. Umbrella.
	Exh	1992-04	**38-552-45**	Viton. Metal Clad
	Exh	1992-04	**38-921-25**	Polyacrylic. 2-Ring.
	Int	1992-04	**38-240-25**	Polyacrylic. O-Ring.
	Int	1992-04	**38-450-25**	Polyacrylic. Umbrella.
Retainer	Both	1992-04	**55-6115**	Retainer. For OE Stock Spring. 1.200x0.740
Expansion Plug Kit		1992-04	**97-98B**	Brass Kit
LINE 186	**396/400/402 C.I. Chev. Big Block 16V Vin E,K,S,U**			**1965-72 V8 BORE - 4.09"/103.9mm**
Valve	Exh	1965-72	**10-1106**	1.720 Head Dia. 5.355 OAL.
	Exh	1965-69	**10-1131**	1.875 Head Dia.
	Int	1965-72	**10-1107**	2.065 Head Dia. 0.3720 Stem. 5.230 OAL.
	Int	1965-72	**10-1107+15**	2.065 Head Dia. 0.3870 Stem. 5.230 OAL.
	Int	1965-72	**10-1107S**	2.065 Head Dia. Stellite
	Int	1965-69	**10-1164**	2.190 Head Dia.
Valve Seat Insert	Exh	1965-72	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Exh	1965-69	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth. Cast Iron Heads.
	Int	1965-72	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Int	1965-72	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. Cast Iron Heads
Guide	Both	1965-72	**30-1973**	2.420 OAL. Iron & Alum. Heads. Use Caution When Removing Stepped O.D. Exc. 1965-70 Exh. Iron Heads
	Exh	1965-72	**30-1972**	2.630 OAL. Iron Heads
Spring	Both	1965-71	**32-1009**	2.120 Free Length. Double Spring
	Both	1966-72	**32-816-D**	2.180 Free Length. Single w/ Damper.
Keeper	Both	1965-72	**34-613**	1 Groove. Heat Treated
Lifter	Both	1965-72	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1965-72	**36-992**	Mechanical High Performance
Valve Stem Seal	Both	1965-72	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1965-72	**38-252-45**	Viton. Umbrella.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 186	**396/400/402 C.I. Chev. Big Block 16V Vin E,K,S,U**			**1965-72 V8 BORE - 4.09"/103.9mm**
Valve Stem Seal	Both	1965-72	**38-910-25**	Polyacrylic. Umbrella.
	Both	1965-72	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1965-72	**40-2867**	Rocker Arm. Stamped. 1.72 Ratio
	Both	1965-72	**40-2868**	Rocker Arm. 1.72 Long Slot w/.560 Lift
Rocker Kit	Both	1965-72	**41-2504**	1 40-2867, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball
Rocker Component	Both	1965-72	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560
Retainer	Both	1965-69	**55-6201**	OEM Style. 1.370 O.D. 3/8 Stem
	Both	1965-72	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
	Both	1965-72	**55-6305**	Chrome Moly. 1.490 O.D. 3/8 Stem
Push Rod	Exh	1966-70	**74-6231**	2nd Des. 9.252 Length. 5/16
	Exh	1965-72	**74-6380**	2nd Des. 9.200 Length. 5/16
	Exh	1965-72	**74-6442**	9.252 Length. 1st Des. 3/8 Dia.
	Int	1965-70	**74-6230**	2nd Des. 8.230 Length. 5/16
	Int	1965-72	**74-6441**	8.280 Length. 1st Des. 3/8 Dia.
Expansion Plug Kit		1965-69	**97-10**	Steel Kit.
		1965-69	**97-10B**	Brass Kit.
		1970-72	**97-9**	Steel Kit.
		1970-72	**97-9B**	Brass Kit.
LINE 187	**400 C.I. (6.6L) Small Block OHV 16V Vin MNRSUX**			**1970-80 V8 BORE - 4.13"/104.8mm**
Valve	Exh	1970-76	**10-1192**	1.500 Head Dia. 0.3414T Stem. 4.928 OAL. Chrome Plated.
	Exh	1970-76	**10-1192+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. Chrome Plated.
	Exh	1970-80	**10-1206S**	1.500 Head Dia. 0.3413T Stem. 4.923 OAL. Stellite. Chrome Plated.
	Exh	1974-80	**10-1294**	1.500 Head Dia. 0.3718T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1974-80	**10-1294+15**	1.500 Head Dia. 0.3868T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1974-80	**10-1294+3**	1.500 Head Dia. 0.3748T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1974-80	**10-1294+30**	1.500 Head Dia. 0.4018T Stem. 4.923 OAL. No Stellite. Chrome Plated.
	Exh	1974-80	**10-1294S**	1.500 Head Dia. 0.3718T Stem. 4.923 Length. Stellite & Chrome Plated.
	Exh	1974-80	**10-1646S**	1.500 Head Dia. 0.372 Stem. Inconel Head, Stellite Face
	Exh	1970-76	**10-400**	1.500 Head Dia. 0.3412T Stem. 4.928 OAL. w/o Chrome.
	Exh	1970-76	**10-400+15**	1.500 Head Dia. 0.3562T Stem. 4.928 OAL. w/o Chrome.
	Exh	1970-76	**10-400+3**	1.500 Head Dia. 0.3442T Stem. 4.928 OAL. w/o Chrome.
	Exh	1970-76	**10-400+30**	1.500 Head Dia. 0.3712T Stem. 4.928 OAL. w/o Chrome.
	Int	1974-80	**10-1193**	1.720 Head Dia. 0.3413 Stem. 4.917 OAL. Chrome Plated.
	Int	1970-80	**10-696**	1.940 Head Dia. 0.3414 Stem. 4.880 OAL. w/o Chrome.
	Int	1970-80	**10-696+15**	1.940 Head Dia. 0.3564 Stem. 4.880 OAL. w/o Chrome.
	Int	1970-80	**10-696+3**	1.940 Head Dia. 0.3444 Stem. 4.880 OAL. w/o Chrome.
	Int	1970-80	**10-696+30**	1.940 Head Dia. 0.3714 Stem. 4.880 OAL. w/o Chrome.
Valve Seat Insert	Exh	1970-80	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth, w/ 1.500 Head Dia.
	Exh	1970-80	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth, w/ 1.500 Head Dia. Nickel.
	Exh	1970-70	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth 1970 w/ 1.600 Valve Head Dia.
	Int	1974-80	**20-1812-3**	1-1/2T I.D. 1-13/16 O.D. 7/32 Depth. w/ 1.720 Valve Head Dia.
	Int	1970-80	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Exh	1974-80	**30-5607**	2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Exh	1970-76	**30-7946**	2.250 OAL. 0.5020 O.D. Plain 0.3430 I.D.
	Exh	1974-80	**30-9107**	2.250 OAL. Spiral 0.374 I.D. 0.502 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 187	400 C.I. (6.6L) Small Block OHV 16V Vin MNRSUX			1970-80 V8 BORE - 4.13"/104.8mm
Guide	Exh	1974-80	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
	Exh	1970-76	**30-9946**	2.250 OAL. 0.5020 O.D. Spiral 0.3430 I.D.
	Int	1970-80	**30-9867**	2.125 OAL. Spiral 0.344 I.D. 0.5020 O.D.
Spring	Both	1970-80	**32-1943-D**	2.140 Free Length. Hi-Perf. w/ 0.100" Addl. Free Length, Damper
	Both	1970-80	**32-943-D**	2.040 Free Length. w/ Damper, Hi-Perf.
	Exh	1970-80	**32-1038-D**	1.910 Free Length. w/ Damper
	Int	1970-80	**32-880-D**	2.030 Free Length. w/ Damper
Keeper	Both	1970-80	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1970-76	**36-6005**	Hydraulic Flat
	Both	1974-80	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Spring	Both	1970-76	**37-4003**	Rotator. OEM # 14042575
Valve Stem Seal	Both	1970-80	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1970-80	**38-240-25**	Polyacrylic. O-Ring.
	Both	1970-80	**38-450-15**	Nitrile. Umbrella.
	Both	1970-80	**38-450-25**	Polyacrylic. Umbrella.
	Both	1970-80	**38-450-45**	Viton. Umbrella.
	Both	1970-80	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1970-80	**38-938-45**	Viton. Ring And Band.
	Both	1970-76	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Rocker Component	Both	1970-80	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped
	Both	1970-80	**40-2737**	Rocker Arm, SBC 1.5 Self-Aligning St Long Slot
	Both	1970-80	**40-2738**	Rocker Arm, SBC 1.6 Self-Aligning St Long Slot
	Both	1970-80	**40-2840**	Rocker Arm, SBC 1.5 Stamped Long Slot 3/8 Hole
	Both	1970-80	**40-2841**	Rocker Arm, 1.6 Stamped Long Slot 3/8 Hole
	Both	1970-80	**40-2842**	Rocker Arm, 1.5 Stamped 3/8 Hole
Rocker Kit	Both	1970-80	**41-1737**	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut
	Both	1970-80	**41-2401**	1 40-2842, 1 42-1792Gd Ball, 1 42-1786 3/8 Nut
	Both	1970-80	**41-2508**	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
	Both	1970-80	**41-2738**	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792Gd Ball
Rocker Component	Both	1970-80	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1970-80	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
	Both	1970-80	**42-2941**	Rocker Stud. 7/16-14x7/16-20 x2.560
Retainer	Both	1970-80	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1970-76	**74-6034**	7.798 Length
Expansion Plug Kit		1970-80	**97-9**	Steel Kit.
		1970-80	**97-9B**	Brass Kit.
LINE 188	400, 401 C.I. (6.6L) Buick 16V			1959-69 V8 BORE - 4.19"/106.4mm
Valve	Exh	1967-69	**10-1189**	1.625 Head Dia.
	Int	1967-69	**10-1105**	2.000 Head Dia.
Valve Seat Insert	Exh	1959-66	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.
	Exh	1959-66	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.
	Exh	1965-69	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1959-66	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1959-66	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1965-69	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 188	**400, 401 C.I. (6.6L) Buick 16V**			**1959-69 V8 BORE - 4.19"/106.4mm**
Guide	Both	1959-66	**30-1733**	2.750 OAL. 0.626 O.D. Exh Only '66
	Exh	1967-69	**30-9114**	2.500 OAL. Spiral I.D. 30-6114 Plain I.D. Also Avail.
	Int	1967-69	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.502 O.D. 30-6113 Plain I.D. Also Avail.
Valve Stem Seal	Both	1967-69	**38-921-25**	Polyacrylic. 2-Ring.
Expansion Plug Kit		1965-69	**97-4**	Steel Kit.
		1965-69	**97-4B**	Brass Kit.
LINE 189	**400 C.I. (6.6L) Olds 16V**			**1965-69 V8 BORE - 4.00"/101.6mm**
Valve	Exh	1965-69	**10-974**	1.624 Head Dia.
	Int	1965-69	**10-1002**	2.072 Head Dia. 4BC. 66-67 All w/ 0.3428 Stem Dia.
	Int	1968-69	**10-1457**	1.995 Head Dia. 2BC.
Valve Seat Insert	Exh	1965-69	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1965-69	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth. w/ 1.995 Valve Head Dia.
	Int	1965-69	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. w/ 2.072 Valve Head Dia.
Guide	Both	1965-69	**30-6873**	2.250 OAL 0.3430 Plain I.D 0.5020 O.D.
	Both	1965-69	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
Keeper	Both	1965-69	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1965-69	**36-951**	Hydraulic
Valve Stem Seal	Both	1965-69	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1968-69	**38-530-15**	Nitrile. Umbrella.
	Both	1968-69	**38-530-25**	Polyacrylic. Umbrella.
	Both	1968-69	**38-530-45**	Viton. Umbrella.
	Both	1965-69	**38-925-15**	Nitrile. Ring And Band.
	Both	1965-69	**38-925-25**	Polyacrylic. Ring And Band.
	Exh	1965-69	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1965-69	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1965-69	**40-2890**	Rocker Arm. Stamped
Expansion Plug Kit		1965-69	**97-25**	Steel Kit.
		1965-69	**97-25B**	Brass Kit.
LINE 190	**400 C.I. (6.6L) Pontiac 16V Vin N,P,R,S,T,X,Y,Z**			**1967-79 V8 BORE - 4.12"/104.7mm**
Valve	Exh	1968-70	**10-1097**	1.770 Head Dia. 5.093 OAL. 4BC
	Exh	1971-73	**10-1160**	1.770 Head Dia. 4.975 OAL, 1971-72 4BC, 1973 WH, YH, YJ, & YW Eng.
	Exh	1973-79	**10-1245**	1.660 Head Dia. Exc. WH, YJ, YS, & YW Engines
	Int	1968-70	**10-1098**	2.110 Head Dia. 5.098 OAL. 4BC
	Int	1971-79	**10-1161**	2.110 Head Dia. 4.979 OAL. 1971-74 4BC, 1975-79 All
	Int	1970-74	**10-1296**	1.960 Head Dia. 2BC
Valve Seat Insert	Exh	1967-79	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.660 Valve Head Dia. +10 O/S Avail.
	Exh	1967-79	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. w/ 1.770 Valve Head Dia.
	Int	1967-79	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1967-79	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1967-79	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth. w/ 1.960 Valve Head
	Int	1967-79	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth. w/ 2.110 Valve Head Dia.
Guide	Both	1967-79	**30-6523**	3.063 OAL 0.3440 I.D. 0.5020 O.D. Plain I.D. Conversion Guide.
	Both	1967-79	**30-9523**	3.063 OAL. 0.3440 Spiral I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 190	**400 C.I. (6.6L) Pontiac 16V Vin N,P,R,S,T,X,Y,Z**			**1967-79 V8 BORE - 4.12"/104.7mm**
Spring	Both	1967-79	**32-813**	1.760 Free Length Inner w/ Auto. Trans. Exc. Ram Air
	Both	1967-68	**32-922**	1.995 Free Length. Inner w/ Ram Air
Keeper	Both	1967-79	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1967-79	**36-951**	Hydraulic
Valve Stem Seal	Both	1967-79	**38-1065-70**	Teflon And Rubber.
	Both	1967-79	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1967-79	**38-240-25**	Polyacrylic. O-Ring.
	Both	1967-79	**38-450-15**	Nitrile. Umbrella.
	Both	1967-79	**38-450-25**	Polyacrylic. Umbrella.
	Both	1967-79	**38-450-45**	Viton. Umbrella.
Rocker Kit	Both	1967-69	**41-2536**	Rocker Kit
Retainer	Both	1967-79	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1967-79	**74-6105**	9.136 Length
Expansion Plug Kit		1967-79	**97-26**	Steel Kit.
		1967-79	**97-26B**	Brass Kit.
LINE 191	**401 C.I. (6.6L) OHV 16V L8T Vin 7**			**2020-22 V8 BORE - 4.06"/ 103.1mm**
Spring	Both	2020-22	**32-6688**	2.253 Free Length.
Keeper	Both	2020-22	**34-5005**	0.314 Stem. Round Bead in Middle.
Lifter	Both	2020-22	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up to Install.
	Both	2020-22	**36-2148G**	Lifter Guide, Dogbone Type
Rocker Component	Both	2020-22	**40-2913**	Rocker Arm
Retainer	Both	2020-22	**55-6103**	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Both	2020-22	**74-6696**	7.850 Length.
LINE 192	**6.6L (403 C.I.) OHV 32V Duramax Vin 12368DLY D**			**2001-25 V8 BORE - 4.06"/103.1mm**
Valve Kit	Both	2001-16	**10-VKGMD66A-5**	Assy. Kit w/ 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
	Both	2001-16	**10-VKGMD66S-5**	Kit w/ 32 Valves, 32 Guides, 64 Keepers, 32 Stem Seals, and 6 SS Inj. Tubes w/ O-Rings
	Both	2001-16	**10-VKGMD66S-6**	Kit w/ 32 Valves, 32 Guides, 32 Springs, 64 Keepers, 32 Stem Seals, and 6 SS Inj. Tubes w/ O-Rings
Valve	Exh	2017-25	**10-13470**	1.220 Head Dia. Nitrided. 0.2737T Stem
	Exh.	2001-16	**10-2176**	1.220 Head Dia.
	Int	2017-25	**10-13469**	1.299 Head Dia. Nitrided. 0.2738 Stem
	Int	2001-16	**10-2175**	1.299 Head Dia.
Cylinder Head, Stock		2001-05	**16-166527**	LB7 Bare w/ Seats, Guides, SS Inj. Tubes Installed. Aluminum. To 2004.5. Vin 1
		2001-05	**16-166527-K1**	Head Kit w/ 2 Heads, 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
		2006-07	**16-166529**	LBZ Bare w/ Seats, Guides Installed. Aluminum. Vin D
		2006-07	**16-166529-K1**	Head Kit w/ 2 Heads, 32 Valves, Springs, Stem Seals, Retainers, 64 Keepers
Valve Seat Insert	Exh	2001-25	**22-1264-1**	0.977T I.D. 1.264 O.D. 0.237 Depth. OEM # 97212572
	Int	2001-25	**22-1343-1**	1.069T I.D. 1.343 O.D. 0.237 Depth.
Guide	Both	2001-10	**30-3049**	1.967 OAL. 0.455 O.D. 0.2755 I.D. 4-P
	Both	2011-25	**30-3142**	1.967 OAL. 0.455 O.D. 0.2755 I.D. 1-P
Spring	Both	2001-16	**32-04041**	2.200 Free Length. 1.177 O.D. 0.865 I.D. Will Fit LLY and Later OE Retainers.
	Both	2017-22	**32-6701**	2.315 Free Length. Conical

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 192	**6.6L (403 C.I.) OHV 32V Duramax Vin 12368DLY D**			**2001-25 V8 BORE - 4.06"/103.1mm**
Spring	Both	2023-25	**32-6711**	2.498 Free Length. OEM # 12729741
Keeper	Both	2001-25	**34-5001**	1 Round Groove
Lifter	Both	2001-16	**36-2298**	Mechanical Roller. OEM # 97325546
Valve Stem Seal	Both	2001-11	**38-299-45**	Viton. Metal Clad. OEM # 97212994
	Both	2011-16	**38-6132-55**	Viton. Metal Clad. OEM # 12624396
	Both	2017-25	**38-6510-55**	Viton. Top Hat. OEM # 12633926
Performance Spring	Both	2001-16	**52-4041**	2.200 Free Length. 75 @ 1.900. 150 @ 1.400
Retainer	Both	2017-25	**55-5087**	0.917 O.D. OEM # 12636194
	Both	2001-16	**55-6066**	1.175 O.D. OEM # 12636393
Injector Component		2001-05	**87-1259**	Injector O-Ring. To 2004.5. OEM # 94051259
		2001-05	**87-8463**	Injector Tube. To 2004.5. OEM # 97188463
		2001-05	**87-8463K**	Injector Kit, 87-8463 and 87-1259. To 2004.5.
Expansion Plug Kit		2001-16	**97-301SS**	Stainless Steel Kit
LINE 193	**401 C.I. (6.6L) OHV 12V Vin M**			**1966-73 V6 BORE - 4.88"/123.8mm**
Guide	Exh	1968-73	**30-6116**	3.125 OAL. 0.4375 Plain ID. 0.6270 OD.
	Exh	1966-73	**30-9116**	3.125 OAL. 0.4375 Spiral ID. 0.6270 OD.
	Int	1968-73	**30-6115**	2.750 OAL 0.3750 Plain I.D. 0.5020 O.D.
	Int	1966-73	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Keeper	Exh	1966-73	**34-555**	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1966-73	**38-240-25**	Polyacrylic. O-Ring.
	Both	1966-73	**38-450-15**	Nitrile. Umbrella.
	Both	1966-73	**38-450-25**	Polyacrylic. Umbrella.
	Both	1966-73	**38-450-45**	Viton. Umbrella.
Push Rod	Exh	1971-72	**74-6442**	9.252 Length. 1st Des. 3/8 Dia.
Expansion Plug Kit		1966-73	**97-22**	Steel Kit.
		1966-73	**97-22B**	Brass Kit.
LINE 194	**403 C.I. (6.6L) OHV 16V Olds Vin K**			**1977-79 V8 BORE - 4.30"/109.2mm**
Valve	Exh	1977-79	**10-1354**	1.502 Head Dia.
	Int	1977-79	**10-1457**	1.995 Head Dia. 45 Deg. Seat Angle.
Valve Seat Insert	Exh	1977-79	**20-1562-9**	1-5/16T I.D. 1-9/16 O.D. 7/32 Depth
	Int	1977-79	**20-2125-31**	1-13/16 I.D. 2-1/8 O.D. 7/32 Depth
Guide	Both	1977-79	**30-6873**	2.250 OAL 0.3430 Plain I.D 0.5020 O.D.
	Both	1977-79	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
Spring	Both	1977-79	**32-1016**	1.960 Free Length
Keeper	Both	1977-79	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1977-79	**36-951**	Hydraulic
Valve Stem Seal	Both	1977-79	**38-1054-70**	Teflon And Rubber. Guide O.D. 0.562
	Both	1977-79	**38-925-15**	Nitrile. Ring And Band.
	Both	1977-79	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1977-79	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1977-79	**38-938-45**	Viton. Ring And Band.
	Exh	1977-79	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1977-79	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1977-79	**40-2890**	Rocker Arm. Stamped
Expansion Plug Kit		1977-79	**97-76**	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 194	**403 C.I. (6.6L) OHV 16V Olds Vin K**			**1977-79 V8 BORE - 4.30"/109.2mm**
Expansion Plug Kit		1977-79	**97-76B**	Brass Kit.
LINE 195	**409 C.I. (6.7L) OHV 16V Chev.**			**1961-65 V8 BORE - 4.31"/109.5mm**
Valve Seat Insert	Exh	1961-65	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Exh	1961-65	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Int	1961-65	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. Cast Iron Heads
Guide	Exh	1961-65	**30-6110**	2.626 OAL 0.3740 Plain I.D. 0.5020 O.D.
	Exh	1961-65	**30-7260**	2.875 OAL. 0.3730 Plain I.D. 0.5020 O.D.
	Exh	1961-65	**30-9110**	2.625 OAL. Spiral I.D. 0.374 I.D. 0.5020 O.D.
	Exh	1961-65	**30-9260**	2.875 OAL. 0.3730 Spiral I.D. 0.5020 O.D.
	Int	1961-65	**30-9108**	2.375 OAL. 0.374 Spiral I.D. 0.502 O.D.
Keeper	Both	1961-65	**34-613**	1 Groove. Heat Treated
Lifter	Both	1961-65	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1961-65	**36-992**	Mechanical High Performance
Valve Stem Seal	Both	1961-65	**38-240-25**	Polyacrylic. O-Ring.
	Both	1961-65	**38-910-25**	Polyacrylic. Umbrella.
	Both	1961-65	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Rocker Component	Both	1961-65	**42-2920**	Rocker Stud. 3/8x24 x2.500 Press-In
	Both	1961-65	**42-2921**	Rocker Stud. +3 O/S 3/8x24 x 2.300 Press-In Adj.
Push Rod	Exh	1961-65	**74-6105**	Exc. Hi. Perf. And w/ 4BC
LINE 196	**421 C.I. (6.9L) OHV 16V Pontiac**			**1963-66 V8 BORE - 4.09"/104.0mm**
Valve	Exh	1963-66	**10-1072**	1.640 Head Dia.
	Int	1963-66	**10-958**	1.920 Head Dia.
Valve Seat Insert	Exh	1963-66	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1963-66	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1963-66	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1963-66	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1963-66	**30-5607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D. 2.250 OAL Plain 0.3440 I.D. 0.5020 O.D.
	Int	1963-66	**30-9607**	2.250 OAL Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1963-66	**32-577**	1.760 Free Length. Inner Exc. 1963.
Keeper	Both	1963-66	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1963-66	**36-951**	Hydraulic
Valve Stem Seal	Both	1963-66	**38-1065-70**	Teflon And Rubber. 0.341 Stem Dia.
	Both	1963-66	**38-1090-75**	All Teflon. 11/32 x 0.500
	Both	1963-66	**38-240-25**	Polyacrylic. O-Ring.
	Both	1963-66	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Retainer	Both	1963-66	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Expansion Plug Kit		1963-66	**97-26**	Steel Kit.
		1963-66	**97-26B**	Brass Kit.
LINE 197	**425 C.I. (7.0L) OHV 16V Cadillac Vin S, T**			**1977-79 V8 BORE - 4.08"/103.6mm**
Valve	Int	1977-79	**10-1293**	2.000 Head Dia. 4.985 OAL
Valve Seat Insert	Exh	1977-79	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1977-79	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1977-79	**30-6523**	3.063 OAL 0.3440 I.D. 0.5020 O.D. Plain I.D. Conversion Guide.
	Both	1977-79	**30-9523**	3.063 OAL. 0.3440 Spiral I.D. 0.5020 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 197	**425 C.I. (7.0L) OHV 16V Cadillac Vin S, T**			**1977-79 V8 BORE - 4.08"/103.6mm**
Keeper	Both	1977-79	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1977-79	**36-6005**	Hydraulic
Valve Stem Seal	Both	1977-79	**38-1065-70**	Teflon And Rubber.
	Both	1977-79	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1977-79	**38-925-15**	Nitrile. Ring And Band.
	Both	1977-79	**38-925-25**	Polyacrylic. Ring And Band. 38-925-15 Nitrile Matl. Also Avail.
Expansion Plug Kit		1977-79	**97-5**	Steel Kit.
		1977-79	**97-5B**	Brass Kit.
LINE 198	**425 C.I. (7.0L) OHV 16V Olds**			**1965-67 V8 BORE - 4.13"/104.8mm**
Valve	Exh	1965-67	**10-974**	1.624 Head Dia. Toronado, Hi-Perf. & Irrigation Engines
	Int	1966-67	**10-1002**	2.072 Head Dia. Toronado, Hi-Perf & Irrigation Engines
	Int	1965-67	**10-1457**	1.995 Head Dia.
Valve Seat Insert	Exh	1965-67	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1965-67	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth. w/ 1.995 Valve Head Dia.
	Int	1965-67	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. w/ 2.072 Valve Head Dia.
Guide	Both	1965-67	**30-6873**	2.250 OAL 0.3430 Plain I.D 0.5020 O.D.
	Both	1965-67	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
Keeper	Both	1965-67	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1965-67	**36-951**	Hydraulic
Valve Stem Seal	Both	1965-67	**38-1054-70**	Teflon And Rubber. 0.341 Stem Dia.
	Both	1965-67	**38-240-25**	Polyacrylic. O-Ring.
	Both	1965-97	**38-925-15**	Nitrile. Ring And Band.
	Both	1965-67	**38-925-25**	Polyacrylic. Ring And Band.
	Both	1965-67	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
	Exh	1965-67	**38-922-35**	Glass Filled Nylon. Umbrella.
	Int	1965-67	**38-923-35**	Glass Filled Nylon. Umbrella.
Rocker Component	Both	1965-67	**40-2890**	Rocker Arm. Stamped
Expansion Plug Kit		1965-67	**97-25**	Steel Kit.
		1965-67	**97-25B**	Brass Kit.
LINE 199	**427 C.I. (7.0L) OHV 16V Chev. Incl. Perf.**			**1966-69 V8 BORE - 4.25"/108.0mm**
Valve	Exh	1966-69	**10-1106**	1.720 Head Dia. 5.355 OAL.
	Exh	1966-69	**10-1131**	1.875 Head Dia.
	Int	1966-69	**10-1107**	2.065 Head Dia. 0.3720 Stem. 5.230 OAL.
	Int	1966-69	**10-1107+15**	2.065 Head Dia. 0.3870 Stem. 5.230 OAL.
	Int	1966-69	**10-1107S**	2.065 Head Dia. Stellite
	Int	1966-69	**10-1164**	2.190 Head Dia.
Valve Seat Insert	Exh	1966-69	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Exh	1966-69	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Exh	1966-69	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1966-69	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
	Int	1966-69	**20-2250-1**	1-15/16 I.D. 2-1/4 O.D. 3/16 Depth. Cast Iron Heads
	Int	1966-69	**20-2312-9**	2.000 I.D. 2-5/16 O.D. 1/4 Depth
Guide	Exh	1966-69	**30-1972**	2.630 OAL. Iron Heads
	Int	1966-69	**30-1973**	2.420 OAL. Iron & Alum. Heads. Use Caution When Removing Stepped O.D. Exc. 1966-69 Exh. Iron Heads

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 199	427 C.I. (7.0L) OHV 16V Chev. Incl. Perf.			1966-69 V8 BORE - 4.25"/108.0mm
Spring	Both	1969-69	**32-1009**	Early 1969 w/ Dual Springs 2.120 Free Length
	Both	1969-69	**32-816-D**	2.110 Free Length. From Late 1969 w/ Damper.
Keeper	Both	1966-69	**34-613**	1 Groove. Heat Treated
Lifter	Both	1966-69	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1966-69	**36-992**	Mechanical High Performance
Rotator	Both	1966-69	**37-1046**	Rotator. OEM # 14081046
Valve Stem Seal	Both	1966-69	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1966-69	**38-119-35**	Glass-Filled Nylon. Umbrella
	Both	1966-69	**38-252-45**	Viton. Umbrella.
	Both	1966-69	**38-910-25**	Polyacrylic. Umbrella.
	Both	1966-69	**38-921-25**	Polyacrylic. 2-Ring.
	Both	1966-69	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Rocker Component	Both	1966-69	**40-2868**	Rocker Arm. BBC 1.72 Long Slot w/.560 Lift
Rocker Kit	Both	1966-69	**41-2504**	1 40-2867, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball
Retainer	Both	1966-69	**55-6305**	Chrome Moly. 1.490 O.D. 3/8 Stem
Push Rod	Exh	1966-69	**74-6231**	5/16 Dia. 9.252 Length
	Exh	1966-69	**74-6380**	9.200 Length 5/16 Dia.
	Exh	1966-69	**74-6442**	9.252 Length. 1st Des. 3/8 Dia.
	Int	1966-69	**74-6230**	8.230 Length. 5/16 Dia.
	Int	1966-69	**74-6441**	8.280 Length. 1st Des. 3/8 Dia.
	Int	1966-69	**74-6443**	8.680 Length. Welded Balls.
Expansion Plug Kit		1966-69	**97-10**	Steel Kit.
		1966-69	**97-10B**	Brass Kit.
LINE 200	427 C.I. (7.0L) 16V Medium and Heavy Duty			1968-98 V8 BORE - 4.25"/108.0mm
Valve	Exh	1968-78	**10-1153**	1.660 Head Dia. 0.3715 Stem.
	Exh	1968-78	**10-1153+15**	1.660 Head Dia. 0.3865 Stem.
	Exh	1991-98	**10-1235S**	1.660 Head Dia. 0.3716 Stem. 5.367 Length. Stellite. SG. 46 Deg
	Exh	1991-98	**10-21235S**	1.660 Head Dia. Stellite, Nitrided. Natl. Gas 20 Deg.
	Exh	1968-78	**10-996S**	1.660 Head Dia. 0.3718 Stem. 5.367 OAL. Stellite.
	Exh	1969-78	**10-996S+15**	1.660 Head Dia. 0.3868 Stem. 5.367 OAL. Stellite.
	Int	1974-85	**10-997**	1.840 Head Dia. 0.3720 Stem. 5.235 OAL. 1st Des. Exc. H.D. Emis. Control.
	Int	1974-85	**10-997+15**	1.840 Head Dia. 0.3870 Stem. 5.235 OAL.
	Int	1974-85	**10-997+3**	1.840 Head Dia. 0.3750 Stem. 5.235 OAL.
	Int	1974-85	**10-997+30**	1.840 Head Dia. 0.4020 Stem. 5.235 OAL.
Valve Seat Insert	Exh	1968-98	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1968-98	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth. w/ 1.840 Valve Head Dia.
	Int	1968-98	**20-2062-3**	1-13/16 I.D. 2-1/16 O.D. 1/4 Depth. w/ 1.940 Valve Head Dia.
Guide	Exh	1968-98	**30-9972**	2.630 OAL. 0.3740 I.D. 0.6205 O.D.
	Exh	1968-98	**30-9972H**	2.630 OAL. 0.3740 I.D. 0.6205 O.D. Hardened. Drive Out Toward Spring Seat.
	Int	1968-98	**30-9973**	2.420 OAL
Spring	Both	1986-98	**32-1330-D**	2.060 Free Length. w/ Damper
	Both	1968-85	**32-864-D**	2.050 Free Length. w/ Damper
Keeper	Both	1968-98	**34-613**	1 Groove. Heat Treated
Lifter	Both	1991-98	**36-6005**	Hydraulic

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 200	**427 C.I. (7.0L) 16V Medium and Heavy Duty**			**1968-98 V8 BORE - 4.25"/108.0mm**
Lifter	Both	1968-90	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Rotator	Both	1968-98	**37-1046**	Rotator. OEM # 14081046
Valve Stem Seal	Both	1968-98	**38-1068-70**	Teflon And Rubber. 0.372 Stem
	Both	1968-98	**38-252-45**	Viton. Umbrella.
	Both	1968-98	**38-844-45**	Viton. Ring And Spring.
	Both	1968-98	**38-910-25**	Polyacrylic. Umbrella.
Rocker Component	Both	1991-98	**40-2754**	Rocker Arm. With Oil Hole
	Both	1968-90	**40-2867**	Rocker Arm. Stamped. 1.72 Ratio
Retainer	Both	1986-98	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
	Both	1968-85	**55-6305**	Chrome Moly. 1.490 O.D. 3/8 Stem
Push Rod	Exh	1977-90	**74-6335**	9.650 Length
Expansion Plug Kit		1968-90	**97-10**	Steel Kit.
		1968-90	**97-10B**	Brass Kit
		1991-98	**97-135**	Steel Kit.
		1991-98	**97-135B**	Brass Kit.
LINE 201	**427 C.I. (7.0L) OHV 16V Vin E LS7**			**2006-15 V8 BORE - 4.13"/104.8mm**
Keeper	Both	2006-15	**34-5005**	0.314 Stem. Round Bead in Middle.
Lifter	Both	2006-15	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up to Install
	Both	2006-15	**36-2148G**	Lifter Guide, Dogbone Type
Valve Stem Seal	Exh	2006-15	**38-901-45**	Viton. Top Hat
	Int	2006-15	**38-900-45**	Viton. Top Hat
LINE 202	**428 C.I. (7.0L) OHV 16V Pontiac**			**1967-69 V8 BORE - 4.12"/104.7mm**
Valve	Exh	1968-69	**10-1097**	1.770 Head Dia. Exc. 1969 XE, XJ, YH & YL Engines
	Int	1967-69	**10-1098**	2.110 Head Dia. Exc. 1969 XE, XJ, YH & YL Engines
Valve Seat Insert	Exh	1967-69	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.660 Head Dia. +10 O/S Avail.
	Exh	1967-69	**20-1812-1**	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. w/ 1.770 Valve Head Dia.
	Int	1967-69	**20-2125-1**	1-13/16 I.D. 2-1/8 O.D. 1/4 Depth. w/ 1.960 Valve Head
	Int	1967-69	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth. w/ 2.110 Valve Head Dia.
Guide	Exh	1967-69	**30-9606**	2.375 OAL. Spiral 0.344 I.D. 0.5020 O.D.
	Int	1967-69	**30-9560**	2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1967-69	**32-813**	1.760 Free Length. Inner.
Keeper	Both	1968-69	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1967-69	**36-951**	Hydraulic
Valve Stem Seal	Both	1967-69	**38-951-25**	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.
Rocker Kit	Both	1967-69	**41-2536**	Rocker Kit
Retainer	Both	1967-69	**55-6105**	Chrome Moly. 1.200 O.D. 11/32 Stem
Push Rod	Both	1967-69	**74-6105**	9.136 Length
Expansion Plug Kit		1967-69	**97-26**	Steel Kit.
		1967-69	**97-26B**	Brass Kit.
LINE 203	**429 C.I. (7.0L) Carb. 16V Cadillac**			**1964-67 V8 BORE - 4.13"/105.2mm**
Valve Seat Insert	Exh	1964-67	**20-1625-4**	1-5/16 I.D. 1-5/8 O.D. 7/32 Depth
	Int	1964-67	**20-1937-1**	1-11/16 I.D. 1-15/16 O.D. 1/4 Depth.
Guide	Both	1964-67	**30-1745**	2.266 OAL. 0.5636 O.D. 0.3445 I.D.
Keeper	Both	1964-67	**34-555**	1 Square Groove. Heat Treated

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 203	**429 C.I. (7.0L) Carb. 16V Cadillac**			**1964-67 V8 BORE - 4.13"/105.2mm**
Valve Stem Seal	Both	1964-67	**38-1065-70**	Teflon And Rubber.
LINE 204	**430 C.I. (7.0L) Buick 16V**			**1967-69 V8 BORE - 4.19"/106.4mm**
Valve	Exh	1967-69	**10-1189**	1.625 Head Dia.
	Int	1967-69	**10-1105**	2.000 Head Dia.
Valve Seat Insert	Exh	1967-69	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1967-69	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Exh	1967-69	**30-6114**	2.500 OAL. 0.3750 Plain I.D. 0.5020 O.D.
	Exh	1967-69	**30-9114**	2.500 OAL. 0.3750 Spiral I.D. 0.5020 O.D.
	Int	1967-69	**30-6113**	2.375 OAL. 0.3745 Plain I.D. 0.5020 O.D.
	Int	1967-69	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.5020 O.D.
Valve Stem Seal	Both	1967-69	**38-921-25**	Polyacrylic. 2-Ring.
Expansion Plug Kit		1967-69	**97-4**	Steel Kit.
		1967-69	**97-4B**	Brass Kit.
LINE 205	**432 C.I. (7.1L) OHV 12V**			**1973-75 V6 BORE - 4.88"/123.8mm**
Guide	Exh	1973-74	**30-6116**	3.125 OAL. 0.4375 Plain ID. 0.6270 OD.
	Exh	1973-74	**30-9116**	3.125 OAL. 0.4375 Spiral ID. 0.6270 OD.
	Int	1973-74	**30-6115**	2.750 OAL 0.3750 Plain I.D. 0.5020 O.D.
	Int	1973-74	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Keeper	Exh	1973-74	**34-555**	1 Square Groove. Heat Treated.
Valve Stem Seal	Both	1973-74	**38-240-25**	Polyacrylic. O-Ring.
	Both	1973-74	**38-450-15**	Nitrile. Umrella.
	Both	1973-74	**38-450-25**	Polyacrylic. Umbrella.
	Both	1973-74	**38-450-45**	Viton. Umbrella.
Expansion Plug Kit		1973-74	**97-22**	Steel Kit.
		1973-74	**97-22B**	Brass Kit.
LINE 206	**454 C.I. (7.4L) 16V Light Duty Vin BJNSVWXYZ**			**1970-00 V8 BORE - 4.25"/108.0mm**
Valve	Exh	1970-76	**10-1106**	1.720 Head Dia. 5.355 OAL.
	Exh	1970-76	**10-1131**	1.875 Head Dia.
	Exh	1987-00	**10-1235S**	1.660 Head Dia. 0.3716 Stem. 5.367 Length. Stellite. SG. 46 Deg
	Exh	1971-00	**10-1261S**	1.720 Head Dia. Stellite.
	Exh	1985-00	**10-1578S**	1.720 Head Dia. Inconel Head Matl.
	Exh	1985-00	**10-1578SP**	1.720 Head Dia. Inconel, Stellite, Nitrided. For Natl. Gas. 45 Deg.
	Exh	1987-00	**10-21235S**	1.660 Head Dia. Stellite, Nitrided. Natl. Gas 20 Deg.
	Int	1970-00	**10-1107**	2.065 Head Dia. 0.3720 Stem. 5.230 OAL.
	Int	1970-00	**10-1107+15**	2.065 Head Dia. 0.3870 Stem. 5.230 OAL.
	Int	1970-00	**10-1107S**	2.065 Head Dia. Stellite
	Int	1970-76	**10-1164**	2.190 Head Dia.
Valve Seat Insert	Exh	1970-00	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Exh	1970-00	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Exh	1971-00	**20-1812-9N**	1-1/2 I.D. 1-13/16 O.D. 5/16 Depth. O/S Replacement For Late Heads w/ Factory Installed Exh. Seat
	Exh	1970-76	**20-1937-17**	1-11/16 I.D. 1-15/16 O.D. 7/32 Depth.
	Int	1970-00	**20-2125-38**	1-13/16 I.D. 2-1/8 O.D. 3/16 Depth. w/ 2.065 Valve Head Dia.
	Int	1970-76	**20-2312-9**	2.000 I.D. 2-5/16 O.D. 1/4 Depth
	Exh	1971-00	**22-1784-1N**	1.417T I.D. 1.7845 O.D. 0.292 Depth. w/ Factory Installed Exh. Seat

COMPONENT	I/E/B	YEARS	PART No.	NOTE
see online catalog for latest appl. info.				
LINE 206	454 C.I. (7.4L) 16V Light Duty Vin BJNSVWXYZ		1970-00 V8	BORE - 4.25"/108.0mm
Valve Seat Insert	Exh	1971-00	**22-1784-2N**	Same as 22-1781-1N w/ straight I.D.
Guide	Exh	1985-00	**30-8113**	New Style. 2.435 OAL. Drive Guide Out Toward Valve Seat.
	Exh	1985-00	**30-8256**	2.755 OAL. Same As 30-8113 But Not Cut For Seal
	Exh	1970-00	**30-9972**	2.630 OAL. 0.3740 I.D. 0.6205 O.D.
	Int	1970-00	**30-9973**	2.420 OAL
Spring	Both	1996-00	**32-04013**	2.050 Free Length. Conical
	Both	1971-72	**32-1009**	2.120 Free Length. Double Spring
	Both	1987-95	**32-1330-D**	2.060 Free Length. w/ Damper
	Both	1970-00	**32-5010**	2.520 Free Length. Use instead of Rotator or Rotator eliminator.
	Both	1970-70	**32-816-D**	2.110 Free Length, w/ Damper
	Both	1975-85	**32-864-D**	2.050 Free Length. w/ Damper
Keeper	Both	1970-00	**34-613**	1 Groove. Heat Treated
Lifter	Both	1997-00	**36-2279**	Hydraulic Roller
	Both	1997-00	**36-2279G**	Lifter Guide, Dogbone Type
	Both	1991-96	**36-6005**	Hydraulic Flat
	Both	1970-90	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
	Both	1970-76	**36-992**	Mechanical. Hi-Perf.
Rotator	Both	1971-95	**37-1046**	Rotator. OEM # 14081046
	Both	1996-00	**37-2899**	Rotator. OEM # 10240899
Valve Stem Seal	Both	1970-00	**38-1068-70**	Teflon And Rubber. 0.372 Stem Dia.
	Both	1996-00	**38-119-35**	Glass-Filled Nylon. Umbrella
	Both	1970-00	**38-252-45**	Viton. Umbrella. 0.860 Height
	Both	1973-90	**38-530-15**	Nitrile. Umbrella.
	Both	1973-90	**38-530-25**	Polyacrylic. Umbrella.
	Both	1973-90	**38-530-45**	Viton. Umbrella.
	Both	1987-00	**38-844-45**	Viton. Ring And Spring.
	Both	1970-00	**38-910-25**	Polyacrylic. Umbrella.
	Both	1973-90	**38-921-25**	Polyacrylic. 2-Ring.
Rocker Component	Both	1992-00	**40-2754**	Rocker Arm. Larger Stud Hole.
	Both	1970-91	**40-2867**	Rocker Arm. Stamped. 1.72 Ratio
	Both	1970-00	**40-2868**	Rocker Arm. 1.72 Long Slot w/.560 Lift
Rocker Kit	Both	1970-90	**41-2504**	1 40-2867, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball
	Both	1991-00	**41-2673**	1 40-2754, 1 42-1861 Ball, 1 42-2971 Stud Bolt
Rocker Component	Both	1991-00	**42-2971**	Rocker Bolt, 3/8-16 Thread. Gen. V
Retainer	Both	1970-00	**55-4250**	1.321 O.D. 0.372 Stem. Use w/ 32-5010
	Both	1973-74	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
	Both	1970-76	**55-6305**	Chrome Moly. 1.490 O.D. 3/8 Stem
Push Rod	Both	1979-80	**74-6335**	9.652 Length. '79-80 Series 50,60,70
	Exh	1970-00	**74-6231**	9.162 Length. 5/16 Dia.
	Exh	1970-91	**74-6380**	9.200 Length 5/16 Dia.
	Exh	1970-00	**74-6442**	9.252 Length. 1st Des. 3/8 Dia.
	Exh	1996-00	**74-6602**	8.595 Length. OEM # 10231940. Vin J w/ Roller lifter
	Int	1970-00	**74-6230**	8.230 Length. 5/16 Dia.
	Int	1970-00	**74-6441**	8.280 Length. 1st Des. 3/8 Dia.
	Int	1996-00	**74-6603**	7.642 Length. OEM # 10231941. Vin J w/ Roller lifter
Expansion Plug Kit		1970-90	**97-10**	Steel Kit.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 206	**454 C.I. (7.4L) 16V Light Duty Vin BJNSVWXYZ**			**1970-00 V8 BORE - 4.25"/108.0mm**
Expansion Plug Kit		1970-90	**97-10B**	Brass Kit.
		1991-00	**97-135**	Steel Kit.
		1970-90	**97-135B**	Brass Kit.
LINE 207	**454 C.I. (7.4L) 16V Medium Duty Vin S,W**			**1979-81 V8 BORE - 4.25"/108.0mm**
Valve	Int	1979-81	**10-997**	1.840 Head Dia. 0.3720 Stem. 5.235 OAL.
	Int	1979-81	**10-997+15**	1.840 Head Dia. 0.3870 Stem. 5.235 OAL.
	Int	1979-81	**10-997+3**	1.840 Head Dia. 0.3750 Stem. 5.235 OAL.
	Int	1979-81	**10-997+30**	1.840 Head Dia. 0.4020 Stem. 5.235 OAL.
Valve Seat Insert	Exh	1979-81	**20-1812-5N**	1-1/2 I.D. 1-13/16 O.D. 1/4 Depth. Nickel
	Int	1979-81	**20-2000-1**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia.
	Int	1979-81	**20-2000-1N**	1-3/4 I.D. 2.000 O.D. 7/32 Depth. w/ 1.925 Valve Head Dia. Nickel.
Guide	Exh	1979-81	**30-9972**	2.630 OAL. 0.3740 I.D. 0.6205 O.D.
	Exh	1979-81	**30-9972H**	2.630 OAL. 0.3740 I.D. 0.6205 O.D. Hardened. Drive Out Toward Spring Seat.
	Int	1979-81	**30-9973**	2.420 OAL
Spring	Both	1979-81	**32-864-D**	2.050 Free Length. w/ Damper
Keeper	Both	1979-81	**34-613**	1 Groove. Heat Treated
Lifter	Both	1979-81	**36-817CCI**	Hydraulic Flat. Chilled Cast Iron 1-pc. Body
Valve Stem Seal	Both	1979-00	**38-1068-70**	Teflon And Rubber. 0.372 Stem Dia.
	Both	1979-00	**38-910-25**	Polyacrylic. Umbrella.
	Both	1979-81	**38-921-25**	Polyacrylic. 2-Ring.
Retainer	Both	1979-81	**55-6304**	Chrome Moly. 1.400 O.D. 3/8 Stem
Expansion Plug Kit		1979-81	**97-10**	Steel Kit.
		1979-81	**97-10B**	Brass Kit.
LINE 208	**455 C.I. (7.5L) OHV 16V Olds Vin R,S,T**			**1968-76 V8 BORE - 4.13"/104.8mm**
Valve	Exh	1968-76	**10-1210**	1.684 Head Dia. 30 Deg. Seat Angle
	Exh	1968-76	**10-1324**	1.622 Head Dia. 30 Deg. Seat Angle.
	Exh	1968-76	**10-974**	1.624 Head Dia. 45 Deg. Seat Angle
	Int	1968-76	**10-1002**	2.072 Head Dia. 30 Deg. Seat Angle
	Int	1968-76	**10-1457**	1.995 Head Dia. 45 Deg. Seat Angle.
Valve Seat Insert	Exh	1968-76	**20-1687-2**	1-7/16 I.D. 1-11/16 O.D. 7/32 Depth
	Int	1968-76	**20-2125-34**	1-7/8 I.D. 2-1/8 O.D. 7/32 Depth w/ 1.995 Valve Head Dia.
Guide	Both	1968-73	**30-6873**	2.250 OAL 0.3430 Plain I.D 0.5020 O.D.
	Both	1968-76	**30-9873**	2.125 OAL. Spiral 0.345 I.D. 0.5020 O.D.
	Exh	1972-76	**30-6114**	2.500 OAL. 0.3750 Plain I.D. 0.5020 O.D.
	Exh	1972-76	**30-9114**	2.500 OAL. 0.3750 Spiral I.D. 0.5020 O.D.
	Int	1972-76	**30-6113**	2.375 OAL. 0.3745 Plain I.D. 0.5020 O.D.
	Int	1972-76	**30-9113**	2.375 OAL. 0.3745 Spiral I.D. 0.5020 O.D.
Spring	Both	1968-76	**32-1016**	1968-69 Exc. F-85 Toronado & Police - 1970 Exc. F-85 & Performance Eng. - 1971 Exc. Toronado - 1972 Toronado - 1973 w/ Auto. - 1974 All Exc. w/ 30-1975-76 All, 1.960 Free Length w/o Damper
Keeper	Both	1968-76	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1968-76	**36-951**	Hydraulic
Valve Stem Seal	Both	1968-76	**38-1054-70**	Teflon And Rubber.
	Both	1968-72	**38-925-15**	Nitrile. Ring And Band.
	Both	1968-76	**38-925-25**	Polyacrylic. Ring And Band.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 208	455 C.I. (7.5L) OHV 16V Olds Vin R,S,T				1968-76 V8 BORE - 4.13"/104.8mm
Valve Stem Seal	Both	1968-76	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
	Exh	1968-76	38-922-35	Glass Filled Nylon. Umbrella.	
	Int	1968-76	38-923-35	Glass Filled Nylon. Umbrella.	
Rocker Component	Both	1968-76	40-2890	Rocker Arm. Stamped	
Expansion Plug Kit		1968-76	97-25	Steel Kit.	
		1968-76	97-25B	Brass Kit.	
LINE 209	455 C.I. (7.5L) OHV 16V Buick Vin PRTUVW				1970-76 V8 BORE - 4.31"/109.5mm
Valve	Exh	1970-74	10-1189	1.625 Head Dia. Exc. Gran Sport & Stage 1.	
	Int	1970-76	10-1105	2.000 Head Dia. 0.3725 Stem. Exc. 70-74 Gran Sport & All Stage 1	
Valve Seat Insert	Exh	1970-76	20-1750-3	1-7/16 I.D. 1-3/4 O.D. 7/32 Depth.	
	Int	1970-76	20-2125-34	1-7/8 I.D. 2-1/8 O.D. 7/32 Depth	
Guide	Exh	1970-76	30-6114	2.500 OAL. 0.3750 Plain I.D. 0.5020 O.D.	
	Exh	1970-76	30-9114	2.500 OAL. 0.3750 Spiral I.D. 0.5020 O.D.	
	Int	1970-76	30-6113	2.375 OAL. 0.3745 Plain I.D. 0.5020 O.D.	
	Int	1970-76	30-9113	2.375 OAL. 0.3745 Spiral I.D. 0.5020 O.D.	
Lifter	Both	1970-76	36-6005	Hydraulic	
Valve Stem Seal	Both	1970-76	38-921-25	Polyacrylic. 2-Ring.	
	Both	1970-76	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Component	Both	1970-76	42-1724	Rocker Comp., Shaft Plug Set. Plastic Retainer	
	Both	1970-76	42-2665	Rocker Shaft.	
Expansion Plug Kit		1970-76	97-4	Steel Kit.	
		1970-76	97-4B	Brass Kit.	
LINE 210	455 C.I. (7.5L) OHV 16V Pontiac Vin UVWXY				1970-76 V8 BORE - 4.15"/105.4mm
Valve	Both	1970-72	10-1161	2.110 Head Dia. Exc. 1970 YH Engine, 1971-72 H.0. 4.979 OAL	
	Exh	1971-72	10-1160	1.770 Head Dia. H.O. 4.975 OAL	
	Int	1970-70	10-1296	1.960 Head Dia. YH Engine	
Valve Seat Insert	Exh	1970-76	20-1750-2	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. w/ 1.660 Valve Head Dia. +10 O/S Avail.	
	Exh	1970-76	20-1812-1	1-9/16 I.D. 1-13/16 O.D. 1/4 Depth. w/ 1.770 Valve Head Dia.	
	Int	1970-76	20-2125-34	1-7/8 I.D. 2-1/8 O.D. 7/32 Depth	
Guide	Both	1970-76	30-6523	3.063 OAL 0.3440 I.D. 0.5020 O.D. Plain I.D. Conversion Guide.	
	Both	1970-76	30-9523	3.063 OAL. 0.3440 Spiral I.D. 0.5020 O.D.	
Spring	Both	1970-76	32-813	1.760 Free Length. Inner Exc. Super Duty.	
Keeper	Both	1970-76	34-555	1 Square Groove. Heat Treated	
Lifter	Both	1970-76	36-951	Hydraulic	
Valve Stem Seal	Both	1970-76	38-1065-70	Teflon And Rubber.	
	Both	1970-76	38-1066-75	All Teflon. 11/32 x 0.530	
	Both	1970-76	38-240-25	Polyacrylic. O-Ring.	
	Both	1970-76	38-450-15	Nitrile. Umbrella.	
	Both	1970-76	38-450-25	Polyacrylic. Umbrella.	
	Both	1970-76	38-450-45	Viton. Umbrella.	
	Both	1970-76	38-951-25	Polyacrylic. 2-Ring. w/ 0.341 Stem Dia.	
Rocker Kit	Both	1970-76	41-2536	Rocker Kit	
Retainer	Both	1970-76	55-6105	Chrome Moly. 1.200 O.D. 11/32 Stem	
Push Rod	Both	1970-76	74-6105	9.136 Length	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 210	**455 C.I. (7.5L) OHV 16V Pontiac Vin UVWXY**			**1970-76 V8 BORE - 4.15"/105.4mm**
Expansion Plug Kit		1970-76	**97-26**	Steel Kit.
		1970-76	**97-26B**	Brass Kit.
LINE 211	**472 C.I. (7.7L) OHV 16V Cadillac Vin R**			**1968-74 V8 BORE - 4.30"/109.2mm**
Valve	Exh	1968-73	**10-1083**	1.625 Head Dia. 5.246 OAL
	Int	1968-73	**10-1084**	2.000 Head Dia. 5.233 OAL
	Int	1974-74	**10-1293**	2.000 Head Dia. 4.985 OAL
Valve Seat Insert	Exh	1968-74	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1968-74	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1968-74	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
Keeper	Both	1968-74	**34-555**	1 Square Groove. Heat Treated
Lifter	Both	1968-74	**36-6005**	Hydraulic
Valve Stem Seal	Both	1968-74	**38-1065-70**	Teflon And Rubber.
	Both	1968-74	**38-1066-75**	All Teflon. 11/32 x 0.530
	Both	1968-74	**38-925-15**	Nitrile. Ring And Band.
	Both	1968-74	**38-925-25**	Polyacrylic. Ring And Band.
Expansion Plug Kit		1968-74	**97-5**	Steel Kit.
		1968-74	**97-5B**	Brass Kit.
LINE 212	**7780cc (7.8L) SOHC 24V 6HK1 Diesel (Isuzu) Vin 3,B**			**1999-09 L6 BORE - 4.53"/115.0mm**
Valve	Exh	1999-09	**10-13122**	1.456 Head Dia. 0.312 Stem. 5.134 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8972098763
	Int	1999-09	**10-13121**	1.457 Head Dia. 0.313 Stem. 5.140 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8943958822
Guide	Both	1999-09	**30-3101**	2.245 OAL. 0.3150 I.D. 0.5526 O.D. OEM # 8943907800
Valve Stem Seal	Both	1999-09	**38-7002-55**	Viton. Metal Clad.
Injector Component		1999-09	**87-4620**	Injector Tube, Brass. OEM # 8980184620
LINE 213	**478 C.I. (7.8L) Diesel 12V**			**1961-74 V6 BORE - 5.13"/130.1 mm**
Guide	Exh	1968-74	**30-6116**	3.125 OAL. 0.4375 Plain ID. 0.6270 OD.
	Exh	1968-74	**30-9116**	3.125 OAL. 0.4375 Spiral ID. 0.6270 OD.
	Int	1968-74	**30-6115**	2.750 OAL 0.3750 Plain I.D. 0.5020 O.D.
	Int	1961-74	**30-7669**	3.969 OAL. Spiral 0.3735 I.D. 0.5020 O.D.
	Int	1961-74	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Valve Stem Seal	Both	1961-74	**38-450-15**	Nitrile. Umbrella.
	Both	1961-74	**38-450-25**	Polyacrylic. Umbrella.
	Both	1961-74	**38-450-45**	Viton. Umbrella.
Expansion Plug Kit		1961-74	**97-100**	Steel Kit.
		1961-74	**97-100B**	Brass Kit.
LINE 214	**478 C.I. (7.8L) Gas 12V**			**1962-65 V6 BORE - 5.25"/133.3mm**
Valve Seat Insert	Int	1962-65	**20-2250-2**	1-7/8 I.D. 2-1/4 O.D. 9/32 Depth
	Exh	1962-65	**22-1952-1**	1.660 I.D. 1.952 O.D. 0.3445 Depth
Guide	Int	1962-65	**30-7669**	3.969 OAL. Spiral 0.3735 I.D. 0.5020 O.D.
	Int	1962-65	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Keeper	Exh	1962-65	**34-555**	1 Square Groove. Heat Treated.
Valve Stem Seal	Both	1962-65	**38-240-25**	Polyacrylic. O-Ring.
	Both	1962-65	**38-450-15**	Nitrile. Umbrella.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 214	**478 C.I. (7.8L) Gas 12V**			**1962-65 V6 BORE - 5.25"/133.3mm**
Valve Stem Seal	Both	1962-65	**38-450-25**	Polyacrylic. Umbrella.
	Both	1962-65	**38-450-45**	Viton. Umbrella.
Expansion Plug Kit		1962-65	**97-100**	Steel Kit.
		1962-65	**97-100B**	Brass Kit.
LINE 215	**478 C.I. (7.8L) 12V Vin M**			**1973-75 V6 BORE - 5.25"/133.3mm**
Guide	Int	1973-75	**30-7669**	3.969 OAL. 0.3735 Spiral I.D. 0.5020 O.D.
	Int	1973-75	**30-9115**	2.750 OAL. 0.375 Spiral I.D. 0.5020 O.D.
Keeper	Exh	1973-75	**34-555**	1 Square Groove. Heat Treated.
Valve Stem Seal	Both	1973-75	**38-240-25**	Polyacrylic. O-Ring.
	Both	1973-75	**38-450-15**	Nitrile. Umbrella.
	Both	1973-75	**38-450-25**	Polyacrylic. Umbrella.
	Both	1973-75	**38-450-45**	Viton. Umbrella.
Expansion Plug Kit		1973-75	**97-100**	Steel Kit.
		1973-75	**97-100B**	Brass Kit.
LINE 216	**496 C.I. (8.1L) OHV 16V Vortec Vin G**			**2001-09 V8 BORE - 4.25"/108.0mm**
Valve	Exh	2001-09	**10-2126S**	1.720 Head Dia. Inconel for Gas, LPG, or Natl. Gas
	Int	2001-09	**10-1164**	2.190 Head Dia. Stainless Option
	Int	2001-09	**10-2101**	2.187 Head Dia.
Valve Seat Insert	Int	2001-09	**20-2250-1**	1-15/16 I.D. (Non-Tapered) 2-1/4 O.D. 3/16 Depth. Machine I.D. To Fit
	Exh	2001-09	**22-1784-1N**	1.417T I.D. 1.7845 O.D. 0.292 Depth. w/ Factory Installed Exh. Seat. May Need Depth Change.
	Exh	2001-09	**22-1784-2N**	Same as 22-1784-1N w/ straight I.D.
Guide	Exh	2001-09	**30-3024**	2.610 OAL. Replaces Integral Guide. Remove From Combustion Side.
	Exh	2001-09	**30-3024SA**	0.3735 I.D. 0.6203 O.D. 2.620 OAL Special Alloy
	Int	2001-09	**30-3025**	2.250 OAL. Replaces Integral Guide.
Spring	Both	2001-09	**32-04042**	2.180 Free Length. Conical. Gasoline
	Both	2001-09	**32-2522**	2.212 Free Length. Conical
Keeper	Both	2001-09	**34-613**	1 Square Groove. Heat Treated
Lifter	Both	2001-09	**36-2279**	Hydraulic Roller
	Both	2001-09	**36-2279G**	Lifter Guide, Dogbone Type
Rotator	Both	2001-09	**37-2899**	Rotator. OEM # 10240899
Valve Stem Seal	Both	2001-09	**38-811-55**	Viton. Metal Clad.
Rocker Component	Both	2001-09	**40-9111**	Rocker Arm, Stamped
Push Rod	Exh	2001-09	**74-6639**	9.132 Length
	Int	2001-09	**74-6638**	8.190 Length.
LINE 217	**500 C.I. (8.2L) OHV 16V Cadillac Vin S**			**1970-76 V8 BORE - 4.30"/109.2mm**
Valve	Exh	1970-73	**10-1083**	1.625 Head Dia. 5.246 OAL
	Int	1970-73	**10-1084**	2.000 Head Dia. 5.233 OAL
	Int	1974-76	**10-1293**	2.000 Head Dia. 4.985 OAL
Valve Seat Insert	Exh	1970-76	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
	Int	1970-76	**20-2125-2**	1-7/8 I.D. 2-1/8 O.D. 1/4 Depth.
Guide	Both	1970-76	**30-6105**	2.500 OAL. 0.3440 Plain ID. 0.5020 OD.
	Both	1970-76	**30-9105**	2.500 OAL. 0.3440 Spiral ID. 0.5020 O.D.
Keeper	Both	1970-76	**34-555**	1 Square Groove. Heat Treated.
Lifter	Both	1970-76	**36-6005**	Hydraulic

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 217	**500 C.I. (8.2L) OHV 16V Cadillac Vin S**				**1970-76 V8 BORE - 4.30"/109.2mm**
Valve Stem Seal	Both	1970-76	**38-1065-70**	Teflon And Rubber.	
	Both	1970-76	**38-1066-75**	All Teflon. 11/32 x 0.530	
	Both	1970-76	**38-925-15**	Nitrile. Ring And Band.	
	Both	1970-76	**38-925-25**	Polyacrylic. Ring And Band.	
Expansion Plug Kit		1970-76	**97-5**	Steel Kit.	
		1970-76	**97-5B**	Brass Kit.	
LINE 218	**637 C.I. (10.4L) OHV 16V**				**1966-72 V8 BORE - 5.13"/130.1mm**
Valve Seat Insert	Int	1966-72	**20-2250-2**	1-7/8 I.D. 2-1/4 O.D. 9/32 Depth	
	Exh	1966-72	**22-1952-1**	1.660 I.D. 1.952 O.D. 0.3445 Depth	
LINE 219	**702 C.I. (11.6L) 24V**				**1960-65 V12 BORE - 4.56"/115.9mm**
Valve Seat Insert	Int	1960-65	**20-2250-2**	1-7/8 I.D. 2-1/4 O.D. 9/32 Depth	
	Exh	1960-65	**22-1952-1**	1.660 I.D. 1.952 O.D. 0.3445 Depth	
Keeper	Exh	1960-65	**34-555**	1 Square Groove. Heat Treated.	
Valve Stem Seal	Both	1960-65	**38-240-25**	Polyacrylic. O-Ring.	

ENGINE	YEAR	CYL.	LINE NO.
Knucklehead	1936-47	V2	**1**
Shovelhead	1966-84	V2	**2**
Panhead	1948-94	V2	**3**
883cc (0.9L) Evolution	1986-94	V2	**4**
900cc (0.9L)	1957-85	V2	**5**
1000cc (1.0L) Iron Head	1957-85	V2	**6**
1100occ (1.1L)	1986-94	V2	**7**
1200cc (1.2L) Evolution	1987-94	V2	**8**
1340cc (1.3L) Evolution Big Twin	1984-94	V2	**9**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**Knucklehead**			**1936-47 V2**	**BORE -**
Valve Seat Insert	Both	1936-47	**20-1875-2**	1-9/16 I.D. 1-7/8 O.D. 1/4 Depth. Use w/ 1-7/8 Cutter.	
LINE 2	**Shovelhead**			**1966-84 V2**	**BORE -**
Valve Seat Insert	Exh	1966-84	**22-1969-2**	1.535 I.D. 1.9685 O.D. 0.413 Depth. O/S Repair Insert. Also Avail. In Non-Magnetic Matl. In -N Suffix	
	Int	1966 84	**22-2165-1**	1.732 I.D. 2.1654 O.D. 0.433 Depth. Opt, O/S Repair Insert. Also Avail. In Non-Magnetic Matl. In -N Suffix	
LINE 3	**Panhead**			**1948-94 V2**	**BORE -**
Valve Seat Insert	Exh	1986-94	**20-1625-8**	1-3/16 I.D. 1-5/8 O.D. 3/8 Depth. Std. For 1986. 87-94: O/S Repair Insert	
	Both	1948-65	**22-1969-2**	1.535 I.D. 1.9685 O.D. 0.413 Depth. O/S Repair Insert. Also Avail In Non-Magnetic Matl., -N Suffix	
	Int	1986-94	**22-1850-2**	1.437 I.D. 1.850 O.D. 0.394 Depth. For 1986. O/S Repair Insert For '87-94.	
LINE 4	**883cc (0.9L) Evolution**			**1986-94 V2**	**BORE -**
Valve Seat Insert	Exh	1986-94	**20-1625-8**	1-3/16 I.D. 1-5/8 O.D. 3/8 Depth. Std. For 1986. 87-94: O/S Repair Insert	
	Int	1986-94	**22-1850-2**	1.437 I.D. 1.8504 O.D. 0.394 Depth. For '86 O/S Repair Insert for '87-94.	
LINE 5	**900cc (0.9L)**			**1957-85 V2**	**BORE -**
Valve Seat Insert	Exh	1957-85	**20-1750-4**	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth. Must Cut Seat Angle to 30 Deg.s. Also Avail. In Non-Magnetic Matl., -N Suffix	
	Int	1957-85	**20-2000-2**	1-11/16 I.D. 2.000 O.D. 9/32 Depth	
LINE 6	**1000cc (1.0L) Iron Head**			**1957-85 V2**	**BORE -**
Valve Seat Insert	Exh	1957-85	**20-1750-4**	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth. Must Cut Seat Angle to 30 Deg.s. Also Avail. In Non-Magnetic Matl., -N Suffix	
	Int	1957-85	**20-2062-8**	1-11/16 I.D. 2-1/16 O.D. 9/32 Depth	
LINE 7	**1100occ (1.1L)**			**1986-94 V2**	**BORE -**
Valve Seat Insert	Exh	1987-94	**20-1625-8**	1-3/16 I.D. 1-5/8 O.D. 3/8 Depth. O/S Repair Insert	
	Exh	1986-86	**22-1772-2**	1.358 I.D. 1.7717 O.D. 0.394 Depth.	
	Int	1987-94	**22-1850-2**	1.437 I.D. 1.850 O.D. 0.394 Depth. O/S Repair Insert.	
	Int	1986-86	**22-1969-2**	1.535 I.D. 1.9685 O.D. 0.413 Depth. Also Avail. In Non-Magnetic Matl., -N Suffix	
LINE 8	**1200cc (1.2L) Evolution**			**1987-94 V2**	**BORE -**
Valve Seat Insert	Exh	1987-94	**20-1625-8**	1-3/16 I.D. 1-5/8 O.D. 3/8 Depth. O/S Repair Insert	
	Int	1987-94	**22-1850-2**	1.437 I.D. 1.850 O.D. 0.394 Depth. O/S Repair Insert.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 9	1340cc (1.3L) Evolution Big Twin			1984-94 V2	BORE -
Valve Seat Insert	Exh	1984-94	**22-1772-2**	1.358 I.D. 1.7717 O.D. 0.394 Depth. O/S Repair Insert.	
	Int	1984-94	**22-1969-2**	1.535 I.D. 1.9685 O.D. 0.413 Depth. O/S Repair Insert. Also Avail In Non-Magnetic Matl., -N Suffix	

ENGINE	YEAR	CYL.	LINE NO.
995cc (1.0L) SOHC 12V ECA (VTEC Hybrid)	2000-06	L3	**1**
1237cc (1.2L) SOHC 8V EB1,2,3	1973-79	L4	**2**
1335cc (1.3L) SOHC 8V EJ1	1980-83	L4	**3**
1339cc (1.3L) SOHC 8V (Hybrid) LDA	2003-14	L4	**4**
1342cc (1.3L) SOHC 16V EV1, D13A2	1984-87	L4	**5**
1488cc (1.5L) SOHC 8V ED1,2	1975-76	L4	**6**
1488cc (1.5L) SOHC 12V ED3,4, EM1	1976-83	L4	**7**
1488cc (1.5L) SOHC 12V EW1	1984-86	L4	**8**
1488cc (1.5L) SOHC 12V EW1 High Fuel, D15A2	1985-87	L4	**9**
1488cc (1.5L) SOHC 12V EW3,4, D15A3	1985-87	L4	**10**
1493cc (1.5L) SOHC 16V D15B	1988-95	L4	**11**
1493cc (1.5L) SOHC 16V D15Z1 VTEC	1992-95	L4	**12**
1497cc (1.5L) SOHC 16V L15A1/7, LEA1	2007-16	L4	**13**
1497cc (1.5L) SOHC 8V LEA2	2012-15	L4	**14**
1497cc (1.5L) DOHC 16V LEB3/6/L15B/C/E	2015-24	L4	**15**
1590cc (1.6L) DOHC 16V D16A	1986-89	L4	**16**
1590cc (1.6L) SOHC 16V D16A6	1988-91	L4	**17**
1590cc (1.6L) SOHC 16V VTEC D16-B5,Y5/7/8, Z6	1992-00	L4	**18**
1595cc (1.6L) DOHC 16V B16A VTEC	1994-00	L4	**19**
1597cc (1.6L) SOHC EF1	1976-78	L4	**20**
1678cc (1.7L) DOHC 16V B17A1 VTEC	1992-93	L4	**21**
1688cc (1.7L) SOHC 16V D17A VTEC	2001-05	L4	**22**
1751cc (1.8L) SOHC 12V EK1	1979-83	L4	**23**
1797cc (1.8L) DOHC 16V B18C/1/5 VTEC	1994-01	L4	**24**
1799cc (1.8L) SOHC 16V R18	2006-20	L4	**25**
1829cc (1.8L) SOHC 12/16V ES1-3, ET1/2, A18A	1983-87	L4	**26**
1834cc (1.8L) DOHC 16V B18A1, B18B1 Acura	1990-01	L4	**27**
1955cc (2.0L) SOHC 12V BS1-2, A20A, B20A	1986-90	L4	**28**
1958cc (2.0L) DOHC 16V B20A5	1988-91	L4	**29**
1972cc (2.0L) DOHC 16V B20B4/B20Z2	1997-01	L4	**30**
1993cc (2.0L) DOHC 16V LFA/B/C Hybrid	2014-24	L4	**31**
1996cc (2.0L) DOHC 16V K20C TRB	2016-24	L4	**32**
1997cc (2.0L) DOHC 16V F20C1	2000-03	L4	**33**
1997cc (2.0L) SOHC 16V R20A	2013-15	L4	**34**
1998cc (2.0L) DOHC 16V K20A2/3, K20Z1/3	2002-11	L4	**35**
2056cc (2.1L) DOHC 16V B21A1	1990-91	L4	**36**
2156cc (2.2L) SOHC 16V F22A, F22B	1990-97	L4	**37**
2157cc (2.2L) DOHC 16V H22A VTEC	1993-01	L4	**38**
2157cc (2.2L) DOHC 16V F22C1	2004-09	L4	**39**
2254cc (2.3L) SOHC 16V F23A VTEC	1998-02	L4	**40**
2259cc (2.3L) DOHC 16V H23A1	1992-96	L4	**41**
2300cc (2.3L) DOHC 16V K23A1 Turbo	2007-12	L4	**42**
2356cc (2.4L) DOHC 16V J24, K24	2002-22	L4	**43**
2451cc (2.5L) SOHC 20V G25A	1992-98	L5	**44**
2494cc (2.5L) SOHC 24V C25A	1986-87	V6	**45**
2559cc (2.6L) SOHC 8V 4ZE1 (Isuzu)	1994-97	L4	**46**
2675cc (2.7L) SOHC 24V C27A	1987-97	V6	**47**
2977cc (3.0L) DOHC 24V C30A VTEC	1991-02	V6	**48**
2997cc (3.0L) SOHC 24V J30A VTEC	1997-07	V6	**49**
2997cc (3.0L) SOHC 24V Hybrid JNA1/2	2005-20	V6	**50**
2997cc (3.0L) DOHC 24V J30AC/AD	2021-24	L4	**51**
3165cc (3.2L) SOHC 24V 6VD1 (Isuzu) Vin V	1994-97	V6	**52**
3165cc (3.2L) DOHC 24V 6VD1W (Isuzu)	1998-02	V6	**53**
3179cc (3.2L) DOHC 24V C32B VTEC	1997-05	V6	**54**

3206cc (3.2L) SOHC 24V C32A	1991-98	V6	**55**
3210cc (3.2L) SOHC 24V J32A VTEC	1999-08	V6	**56**
3471cc (3.5L) SOHC 24V J35A/Y/Z JNB VTEC	1999-24	V6	**57**
3471cc (3.5L) DOHC 24V J35Y8	2023-24	V6	**58**
3474cc (3.5L) SOHC 24V C35A1	1996-04	V6	**59**
3493cc (3.5L) DOHC 24V JNC1 TRB	2017-22	V6	**60**
3494cc (3.5L) DOHC 24V (Isuzu) 6VE1	1998-99	V6	**61**
3664cc (3.7L) SOHC 24V J37A1	2007-14	V6	**62**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**995cc (1.0L) SOHC 12V ECA (VTEC Hybrid)**			**2000-06 L3**	**BORE - 2.84"/72.0mm**
Guide	Both	2000-06	**30-8158**	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2000-06	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2000-06	**38-592-55**	Viton. Metal Clad	
LINE 2	**1237cc (1.2L) SOHC 8V EB1,2,3**			**1973-79 L4**	**BORE - 2.84"/72.0mm**
Valve Seat Insert	Exh	1973-77	**21-1375-52**	1.000T I.D. 1-3/8 O.D. 0.410 Depth	
	Int	1978-79	**21-1562-51**	1.245T I.D. 1-9/16 O.D. 0.354 Depth	
LINE 3	**1335cc (1.3L) SOHC 8V EJ1**			**1980-83 L4**	**BORE - 2.91"/74.0mm**
Valve Seat Insert	Exh	1980-83	**21-1250-52**	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
	Int	1980-83	**21-1500-64**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Guide	Exh	1980-83	**30-7659**	2.165 OAL. +2 O/S Avail.	
	Int	1980-83	**30-7830**	1.970 OAL.	
Expansion Plug Kit		1980-83	**97-33**	Steel Kit.	
		1980-83	**97-33B**	Brass Kit.	
LINE 4	**1339cc (1.3L) SOHC 8V (Hybrid) LDA**			**2003-14 L4**	**BORE - 2.87"/73.0mm**
Valve	Exh	2003-04	**10-10525**	1.024 Head Dia.	
	Int	2003-04	**10-10524**	1.181 Head Dia.	
Valve Seat Insert	Exh	2003-08	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
	Int	2003-08	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	2003-14	**30-8158**	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
	Exh	2003-14	**30-8157**	2.130 OAL. 0.436 O.D.	
Keeper	Both	2003-14	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2003-14	**38-592-55**	Viton. Metal Clad	
Expansion Plug Kit		2003-08	**97-110**	Steel Kit.	
		2003-08	**97-110B**	Brass Kit.	
LINE 5	**1342cc (1.3L) SOHC 16V EV1, D13A2**			**1984-87 L4**	**BORE - 2.91"/74.0mm**
Valve Seat Insert	Both	1984-87	**21-1250-52**	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
Guide	Exh	1984-87	**30-7659**	2.165 OAL. +2 O/S Avail.	
	Int	1984-87	**30-7830**	1.970 OAL.	
Valve Stem Seal	Int	1984-87	**38-976-45**	Viton. Metal Clad.	
Expansion Plug Kit		1984-87	**97-0212**	Steel Kit.	
		1984-87	**97-0212B**	Brass Kit.	
LINE 6	**1488cc (1.5L) SOHC 8V ED1,2**			**1975-76 L4**	**BORE - 2.91"/74.0mm**
Valve Seat Insert	Exh	1975-76	**21-1250-52**	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
	Int	1975-76	**21-1500-65**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Guide	Exh	1975-76	**30-7659**	2.165 OAL. +2 O/S Avail.	
Spring	Exh	1975-75	**32-1289**	1.960 Free Length. Outer.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 6	1488cc (1.5L) SOHC 8V ED1,2			1975-76 L4	BORE - 2.91"/74.0mm
Expansion Plug Kit		1975-76	97-42	Steel Kit.	
		1975-76	97-42B	Brass Kit.	
LINE 7	1488cc (1.5L) SOHC 12V ED3,4, EM1			1976-83 L4	BORE - 2.91"/74.0mm
Valve Seat Insert	Exh	1976-83	21-1250-52	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
	Int	1976-83	21-1500-64	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Guide	Exh	1976-83	30-7659	2.165 OAL. +2 O/S Avail.	
	Int	1980-83	30-7830	1.970 OAL.	
Expansion Plug Kit		1976-83	97-42	Steel Kit.	
		1976-83	97-42B	Brass Kit.	
LINE 8	1488cc (1.5L) SOHC 12V EW1			1984-86 L4	BORE - 2.91"/74.0mm
Valve	Exh	1984-86	10-10189	1.260 Head Dia. Exc. 1500Si	
	Int	1984-86	10-10188	1.063 Head Dia.	
Valve Seat Insert	Exh	1984-86	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Exh	1984-86	30-7659	2.165 OAL. +2 O/S Avail.	
	Int	1984-86	30-7830	1.970 OAL.	
Expansion Plug Kit		1984-86	97-42	Steel Kit.	
		1984-86	97-42B	Brass Kit.	
LINE 9	1488cc (1.5L) SOHC 12V EW1 High Fuel, D15A2			1985-87 L4	BORE - 2.91"/74.0mm
Valve Seat Insert	Both	1985-87	21-1250-52	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
Guide	Exh	1985-87	30-7659	2.165 OAL. +2 O/S Avail.	
	Int	1985-87	30-7830	1.970 OAL.	
Expansion Plug Kit		1985-87	97-42	Steel Kit.	
		1985-87	97-42B	Brass Kit.	
LINE 10	1488cc (1.5L) SOHC 12V EW3,4, D15A3			1985-87 L4	BORE - 2.91"/74.0mm
Valve	Int	1985-87	10-10188	1.063 Head Dia.	
Valve Seat Insert	Exh	1985-87	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Exh	1985-87	30-7659	2.165 OAL. +2 O/S Avail.	
	Int	1985-87	30-7830	1.970 OAL.	
Expansion Plug Kit		1985-87	97-42	Steel Kit.	
		1985-87	97-42B	Brass Kit.	
LINE 11	1493cc (1.5L) SOHC 16V D15B			1988-95 L4	BORE - 2.95"/75.0mm
Valve	Exh	1988-95	10-10191	0.984 Head Dia.	
	Int	1988-95	10-10190	1.142 Head Dia.	
Valve Seat Insert	Exh	1988-95	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	1988-95	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
Guide	Exh	1988-95	30-8157	2.130 OAL. 0.436 O.D.	
	Exh	1988-95	30-8577	1.870 OAL. 0.4765 O.D.	
	Int	1988-95	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
	Int	1988-95	30-8397	1.640 OAL. 0.4765 O.D.	
Keeper	Both	1988-95	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1988-95	38-592-55	Viton. Metal Clad.	
Expansion Plug Kit		1988-95	97-110	Steel Kit.	
		1988-95	97-110B	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 12	1493cc (1.5L) SOHC 16V D15Z1 VTEC			1992-95 L4	BORE - 2.95"/75.0mm
Guide	Both	1992-95	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1992-95	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1992-95	38-592-55	Viton. Metal Clad.	
LINE 13	1497cc (1.5L) SOHC 16V L15A1/7, LEA1			2007-16 L4	BORE - 2.87"/73.0mm
Guide	Exh	2007-16	30-8157	1.630 OAL 0.2173 I.D. 0.437 O.D.	
	Int	2007-16	30-8158	1.875 OAL. 0.2173 I.D. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2007-16	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2007-16	38-592-55	Viton. Metal Clad.	
LINE 14	1497cc (1.5L) SOHC 8V LEA2			2012-15 L4	BORE - 2.87"/72.9mm
Guide	Exh	2012-15	30-8157	1.630 OAL 0.2173 I.D. 0.437 O.D.	
	Int	2012-15	30-8158	1.875 OAL. 0.2173 I.D. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2012-15	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2012-15	38-592-55	Viton. Metal Clad.	
LINE 15	1497cc (1.5L) DOHC 16V LEB3/6/L15B/C/E			2015-24 L4	BORE - 2.87"/72.9mm
Valve	Exh	2016-24	10-30539	0.903 Head Dia. 0.215 Stem. 3.898 OAL. OEM # 0614759BU00	
	Int	2016-24	10-30540	1.102 Head Dia. 0.216 Stem. 3.913 OAL. OEM # 1471159B000	
Guide	Both	2016-24	30-3136	1.630 OAL 0.2173 I.D. 0.437 O.D.	
	Both	2015-24	30-8158	1.875 OAL. 0.2173 I.D. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2015-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2015-24	38-592-55	Viton. Metal Clad.	
LINE 16	1590cc (1.6L) DOHC 16V D16A			1986-89 L4	BORE - 2.96"/75.2mm
Valve Seat Insert	Exh	1986-89	21-1187-54	0.880 I.D. 1-3/16 O.D. 0.280 Depth	
	Int	1986-89	21-1250-62	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
Guide	Exh	1986-89	30-8155	1.975 OAL. 0.4765 O.D.	
Valve Stem Seal	Both	1986-89	38-569-45	Viton. Metal Clad	
LINE 17	1590cc (1.6L) SOHC 16V D16A6			1988-91 L4	BORE - 2.95"/75.0mm
Valve	Exh	1988-91	10-10191	0.984 Head Dia.	
	Int	1988-91	10-10190	1.142 Head Dia.	
Valve Seat Insert	Exh	1988-91	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	1988-91	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
Guide	Exh	1988-91	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1988-91	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1988-91	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1988-91	38-592-55	Viton. Metal Clad.	
Expansion Plug Kit		1988-91	97-110	Steel Kit.	
		1988-91	97-110B	Brass Kit.	
LINE 18	1590cc (1.6L) SOHC 16V VTEC D16-B5,Y5/7/8, Z6			1992-00 L4	BORE - 2.95"/75.0mm
Valve	Exh	1992-00	10-10525	1.024 Head Dia.	
	Int	1992-00	10-10524	1.181 Head Dia.	
Valve Seat Insert	Int	1992-00	21-1250-62	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
Guide	Exh	1992-00	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1992-00	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1992-00	34-5008	1 Round Bead. 0.215 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 18	**1590cc (1.6L) SOHC 16V VTEC D16-B5,Y5/7/8, Z6**				**1992-00 L4 BORE - 2.95"/75.0mm**
Valve Stem Seal	Both	1992-00	**38-592-55**	Viton. Metal Clad.	
LINE 19	**1595cc (1.6L) DOHC 16V B16A VTEC**				**1994-00 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1994-00	**10-10435**	1.103 Head Dia.	
	Int	1994-00	**10-10434**	1.299 Head Dia.	
Valve Seat Insert	Exh	1994-00	**21-1250-58**	0.955 I.D. 1-1/4 O.D. 0.255 Depth	
	Int	1994-00	**21-1375-56**	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Exh	1994-00	**30-8577**	1.870 OAL. 0.4765 O.D.	
	Int	1994-00	**30-8397**	1.640 OAL. 0.4765 O.D.	
Keeper	Both	1994-00	**34-5024**	1 Round Bead. 0.216 Stem	
Valve Stem Seal	Both	1994-00	**38-592-55**	Viton. Metal Clad	
Retainer	Both	1994-00	**55-9005**	Titanium. 1.100 O.D. 5.5mm Stem	
LINE 20	**1597cc (1.6L) SOHC EF1**				**1976-78 L4 BORE - 2.91"/74.0mm**
Valve Seat Insert	Exh	1976-78	**21-1250-52**	0.910T I.D. 1-1/4 O.D. 0.285 Depth	
	Int	1976-78	**21-1500-64**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Guide	Exh	1976-78	**30-7659**	2.165 OAL. +2 O/S Avail.	
Expansion Plug Kit		1976-78	**97-42**	Steel Kit.	
		1976-78	**97-42B**	Brass Kit.	
LINE 21	**1678cc (1.7L) DOHC 16V B17A1 VTEC**				**1992-93 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1992-93	**10-10435**	1.103 Head Dia.	
	Int	1992-93	**10-10434**	1.299 Head Dia.	
Valve Seat Insert	Exh	1992-93	**21-1250-58**	0.955 I.D. 1-1/4 O.D. 0.255 Depth	
	Int	1992-93	**21-1375-56**	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Exh	1992-93	**30-8577**	1.870 OAL. 0.4765 O.D.	
	Int	1992-93	**30-8397**	1.640 OAL. 0.4765 O.D.	
Valve Stem Seal	Both	1992-93	**38-592-55**	Viton. Metal Clad	
LINE 22	**1688cc (1.7L) SOHC 16V D17A VTEC**				**2001-05 L4 BORE - 2.95"/75.0mm**
Valve	Exh	2001-05	**10-10525**	1.024 Head Dia.	
	Int	2001-05	**10-10524**	1.181 Head Dia.	
Valve Seat Insert	Int	2001-05	**21-1250-62**	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
Guide	Exh	2001-05	**30-8157**	2.130 OAL. 0.436 O.D.	
	Int	2001-05	**30-8158**	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2001-05	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2001-05	**38-592-55**	Viton. Metal Clad.	
LINE 23	**1751cc (1.8L) SOHC 12V EK1**				**1979-83 L4 BORE - 3.00"/77.0mm**
Valve	Exh	1982-83	**10-10113S**	1.181 Head Dia.	
	Int	1979-80	**10-10082**	1.339 Head Dia. Exc. CA	
	Int	1980-81	**10-10112**	1.377 Head Dia. 1980 CA Only, 1981 All	
	Int	1982-83	**10-10115**	1.417 Head Dia.	
Valve Seat Insert	Exh	1979-81	**21-1250-52**	0.910T I.D. 1-1/4 O.D. 0.285 Depth. w/ 1.100 Valve Head Dia.	
	Exh	1982-83	**21-1312-68**	0.975 I.D. 1-5/16 O.D. 0.280 Depth. w/ 1.181 Valve Head Dia.	
	Int	1979-81	**21-1500-64**	1.140T I.D. 1-1/2 O.D. 0.325 Depth. w/ 1.377 & 1.339 Valve Head Dia.	
	Int	1982-83	**21-1500-75**	1.180 I.D. 1-1/2 O.D. 0.300 Depth. w/ 1.417 Valve Head Dia.	
Guide	Exh	1979-83	**30-7710**	2.168 OAL. +2 O/S Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 23	1751cc (1.8L) SOHC 12V EK1			1979-83 L4	BORE - 3.00"/77.0mm
Guide	Int	1979-83	30-7711	1.965 OAL.	
Valve Stem Seal	Both	1982-83	38-976-45	Viton. Ring and Spring	
Expansion Plug Kit		1979-83	97-42	Steel Kit.	
		1979-83	97-42B	Brass Kit.	
LINE 24	1797cc (1.8L) DOHC 16V B18C/1/5 VTEC			1994-01 L4	BORE - 3.19"/81.0mm
Valve	Exh	1994-01	10-10435	1.103 Head Dia.	
	Int	1994-01	10-10434	1.299 Head Dia.	
Valve Seat Insert	Exh	1994-01	21-1250-58	0.955 I.D. 1-1/4 O.D. 0.255 Depth	
	Int	1994-01	21-1375-56	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Exh	1994-01	30-8577	1.870 OAL. 0.4765 O.D.	
	Int	1994-01	30-8397	1.640 OAL. 0.4765 O.D.	
Keeper	Both	1994-01	34-5024	1 Round Bead. 0.216 Stem	
Valve Stem Seal	Both	1994-01	38-592-55	Viton. Metal Clad.	
LINE 25	1799cc (1.8L) SOHC 16V R18			2006-20 L4	BORE - 3.19"/81.0mm
Valve	Exh	2006-20	10-10525	1.024 Head Dia.	
Guide	Both	2006-20	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
	Exh	2006-20	30-8157	2.130 OAL. 0.436 O.D.	
Keeper	Both	2006-20	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2006-20	38-592-55	Viton. Metal Clad	
LINE 26	1829cc (1.8L) SOHC 12/16V ES1-3, ET1/2, A18A			1983-87 L4	BORE - 3.15"/80.0mm
Valve	Exh	1983-87	10-10193	1.376 Head Dia.	
	Int	1983-87	10-10192	1.180 Head Dia.	
Valve Seat Insert	Exh	1983-87	21-1500-69	1.255 I.D. 1-1/2 O.D. 0.318 Depth.	
Guide	Exh	1983-87	30-7710	2.168 OAL. +2 O/S Avail.	
	Int	1983-87	30-7830	1.970 OAL.	
Valve Stem Seal	Exh	1983-87	38-976-45	Viton. Ring and Spring	
Expansion Plug Kit		1983-87	97-110	Steel Kit.	
		1983-87	97-110B	Brass Kit.	
LINE 27	1834cc (1.8L) DOHC 16V B18A1, B18B1 Acura			1990-01 L4	BORE - 3.19"/81.0mm
Valve	Exh	1990-01	10-10196	1.102 Head Dia.	
	Int	1990-95	10-10122	1.217 Head Dia.	
	Int	1996-01	10-10742	1.224 Head Dia.	
Valve Seat Insert	Exh	1990-01	21-1250-63	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
Guide	Exh	1990-93	30-8155	1.975 OAL	
	Exh	1994-01	30-8579	1.970 OAL	
Valve Stem Seal	Both	1990-01	38-569-45	Viton. Metal Clad	
LINE 28	1955cc (2.0L) SOHC 12V BS1-2, A20A, B20A			1986-90 L4	BORE - 3.26"/82.7mm
Valve	Exh	1986-90	10-10193	1.376 Head Dia.	
	Int	1986-90	10-10192	1.180 Head Dia.	
Valve Seat Insert	Exh	1986-90	21-1500-69	1.255 I.D. 1-1/2 O.D. 0.318 Depth.	
Guide	Exh	1986-90	30-7710	2.168 OAL. +2 O/S Avail.	
	Int	1986-90	30-7830	1.970 OAL.	
Valve Stem Seal	Exh	1986-90	38-976-45	Viton. Ring and Spring	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 28	1955cc (2.0L) SOHC 12V BS1-2, A20A, B20A				1986-90 L4 BORE - 3.26"/82.7mm
Expansion Plug Kit		1986-90	97-110	Steel Kit.	
		1986-90	97-110B	Brass Kit.	
LINE 29	1958cc (2.0L) DOHC 16V B20A5				1988-91 L4 BORE - 3.19"/81.0mm
Valve	Exh	1988-91	10-10196	1.102 Head Dia.	
	Int	1988-91	10-10195	1.299 Head Dia.	
Valve Seat Insert	Exh	1988-91	21-1250-63	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
	Int	1988-91	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Expansion Plug Kit		1988-91	97-110	Steel Kit.	
		1988-91	97-110B	Brass Kit.	
LINE 30	1972cc (2.0L) DOHC 16V B20B4/B20Z2				1997-01 L4 BORE - 3.31"/84.1mm
Valve	Exh	1997-01	10-10196	1.102 Head Dia.	
	Int	1997-01	10-10742	1.224 Head Dia.	
Valve Seat Insert	Exh	1997-01	21-1250-63	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
Guide	Exh	1997-01	30-8155	1.975 OAL	
Valve Stem Seal	Both	1997-01	38-569-45	Viton. Metal Clad	
LINE 31	1993cc (2.0L) DOHC 16V LFA/B/C Hybrid				2014-24 L4 BORE - 3.19"/81.0mm
Guide	Both	2018-22	30-8158	1.875 OAL. 0.2173 I.D. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2014-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2014-24	38-592-55	Viton. Metal Clad	
LINE 32	1996cc (2.0L) DOHC 16V K20C TRB				2016-24 L4 BORE - 3.39"/86.1mm
Guide	Both	2016-23	30-8158	1.875 OAL. 0.2173 I.D. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2016-23	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2016-23	38-592-55	Viton. Metal Clad	
LINE 33	1997cc (2.0L) DOHC 16V F20C1				2000-03 L4 BORE - 3.43"/87.0mm
Guide	Int	2000-03	30-3136	1.630 OAL 0.2173 I.D.	
Valve Stem Seal	Both	2000-03	38-592-55	Viton. Metal Clad	
LINE 34	1997cc (2.0L) SOHC 16V R20A				2013-15 L4 BORE - 3.19"/81.0mm
Valve	Exh	2013-15	10-10525	1.024 Head Dia.	
Guide	Exh	2013-15	30-8157	2.130 OAL. 0.436 O.D.	
	Int	2013-15	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2013-15	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2013-15	38-592-55	Viton. Metal Clad.	
LINE 35	1998cc (2.0L) DOHC 16V K20A2/3, K20Z1/3				2002-11 L4 BORE - 3.39"/86.0mm
Valve	Exh	2002-06	10-03032	1.181 Head Dia. 0.2148 Stem	
	Int	2002-06	10-03031	1.378 Head Dia. 0.2148 Stem	
Guide	Exh	2002-06	30-3137	1.790 OAL 0.2173 I.D.	
	Int	2002-06	30-3136	1.630 OAL 0.2173 I.D. 0.437 O.D.	
Keeper	Both	2002-11	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2002-11	38-592-55	Viton. Metal Clad.	
LINE 36	2056cc (2.1L) DOHC 16V B21A1				1990-91 L4 BORE - 3.27"/83.0mm
Valve	Exh	1990-91	10-10414	1.102 Head Dia.	
	Int	1990-91	10-10195	1.299 Head Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 36	**2056cc (2.1L) DOHC 16V B21A1**			**1990-91 L4**	**BORE - 3.27"/83.0mm**
Valve Seat Insert	Exh	1990-91	**21-1250-63**	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
	Int	1990-91	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Exh	1990-91	**30-8155**	1.975 OAL	
LINE 37	**2156cc (2.2L) SOHC 16V F22A, F22B**			**1990-97 L4**	**BORE - 3.35"/85.0mm**
Valve	Exh	1990-97	**10-10198**	1.142 Head Dia. 0.2148 Stem. 4.862 OAL F22A1/4/6	
	Exh	1994-97	**10-10542**	1.142 Head Dia. 4.496 OAL. 0.215 Stem Dia. F22B1	
	Int	1990-96	**10-10197**	1.339 Head Dia. 0.216 Stem. F22A1/4/6	
	Int	1994-97	**10-10432**	1.260 Head Dia. 0.216 Stem. F22B2, F22B6	
	Int	1994-97	**10-10541**	1.339 Head Dia. 0.216 Stem Dia.	
Valve Seat Insert	Exh	1990-97	**21-1250-64**	0.970 I.D. 1-1/4 O.D. 0.270 Depth.	
	Int	1994-97	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
	Int	1990-97	**21-1375-65**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Exh	1990-97	**30-8157**	2.130 OAL. 0.436 O.D.	
	Int	1990-97	**30-8158**	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Spring	Both	1994-97	**32-04034**	2.678 Free Length.	
Keeper	Both	1990-97	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1990-97	**38-592-55**	Viton. Metal Clad. 0.216 Stem	
Retainer	Both	1990-97	**55-9005**	Titanium. 1.100 O.D. 5.5mm Stem	
LINE 38	**2157cc (2.2L) DOHC 16V H22A VTEC**			**1993-01 L4**	**BORE - 3.40"/86.3mm**
Valve Seat Insert	Exh	1993-01	**21-1250-62**	1.000 I.D. 1-1/4 O.D. 0.305 Depth	
	Int	1993-01	**21-1375-65**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Exh	1993-01	**30-8583**	2.045 OAL	
	Int	1993-01	**30-8582**	1.715 OAL	
Keeper	Both	1993-01	**34-5024**	1 Round Bead. 0.216 Stem	
Valve Stem Seal	Both	1993-01	**38-592-55**	Viton. Metal Clad.	
Retainer	Both	1993-01	**55-9005**	Titanium. 1.100 O.D. 5.5mm Stem	
LINE 39	**2157cc (2.2L) DOHC 16V F22C1**			**2004-09 L4**	**BORE - 3.43"/87.0mm**
Guide	Both	2004-09	**30-3136**	1.630 OAL 0.2173 I.D.	
Valve Stem Seal	Both	2004-09	**38-592-55**	Viton. Metal Clad.	
LINE 40	**2254cc (2.3L) SOHC 16V F23A VTEC**			**1998-02 L4**	**BORE - 3.39"/86.1mm**
Valve	Exh	1998-02	**10-10542**	1.142 Head Dia. 4.496 OAL.	
	Int	1998-02	**10-10541**	1.339 Head Dia.	
Guide	Exh	1998-02	**30-8157**	2.130 OAL. 0.436 O.D.	
	Int	1998-02	**30-8158**	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1998-02	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1998-02	**38-592-55**	Viton. Metal Clad.	
LINE 41	**2259cc (2.3L) DOHC 16V H23A1**			**1992-96 L4**	**BORE - 3.40"/86.3mm**
Valve	Exh	1992-96	**10-10207**	1.142 Head Dia. 0.2579 Stem	
	Int	1992-96	**10-10206**	1.339 Head Dia. 0.2592 Stem	
Guide	Exh	1992-96	**30-8581**	1.695 OAL. 0.4765 OD	
Valve Stem Seal	Both	1992-96	**38-569-45**	Viton. Metal Clad. 0.260 x 0.476	
LINE 42	**2300cc (2.3L) DOHC 16V K23A1 Turbo**			**2007-12 L4**	**BORE - 3.38"/85.9mm**
Valve	Int	2007-12	**10-03031**	1.378 Head Dia. 0.2148 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 42	2300cc (2.3L) DOHC 16V K23A1 Turbo			2007-12 L4	BORE - 3.38"/85.9mm
Guide	Exh	2007-12	30-3137	1.790 OAL 0.2173 I.D.	
	Int	2007-12	30-3136	1.630 OAL 0.2173 I.D.	
Keeper	Both	2007-12	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2007-12	38-592-55	Viton. Metal Clad	
LINE 43	2356cc (2.4L) DOHC 16V J24, K24			2002-22 L4	BORE - 3.43"/87.0mm
Valve	Exh	2002-11	10-03032	1.181 Head Dia. 0.2148 Stem	
	Exh	2015-20	10-10779	1.181 Head Dia.	
	Exh	2008-15	10-13359	1.220 Head Dia. 0.214 Stem.	
	Int	2002-11	10-03031	1.378 Head Dia. 0.2148 Stem	
	Int	2015-20	10-13336	1.417 Head Dia.	
	Int	2008-15	10-13358	1.417 Head Dia. 0.214 Stem.	
Guide	Both	2015-20	30-8157	2.130 OAL. 0.436 O.D.	
	Both	2013-20	30-8158	1.875 OAL. 0.2173 I.D. 0.436 O.D. Incl. Lock Ring	
	Exh	2002-15	30-3137	1.790 OAL 0.2173 I.D.	
	Int	2002-15	30-3136	1.630 OAL 0.2173 I.D.	
Keeper	Both	2002-22	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2002-22	38-592-55	Viton. Metal Clad.	
LINE 44	2451cc (2.5L) SOHC 20V G25A			1992-98 L5	BORE - 3.35"/85.1mm
Valve	Int	1992-98	10-10197	1.339 Head Dia.	
Guide	Exh	1992-98	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1992-98	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Int	1992-98	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1992-98	38-592-55	Viton. Metal Clad.	
LINE 45	2494cc (2.5L) SOHC 24V C25A			1986-87 V6	BORE - 3.31"/84.1mm
Valve	Int	1986-87	10-10195	1.299 Head Dia.	
Valve Stem Seal	Exh	1986-87	38-569-45	Viton. Metal Clad	
	Int	1986-87	38-976-45	Viton. Ring and Spring	
LINE 46	2559cc (2.6L) SOHC 8V 4ZE1 (Isuzu)			1994-97 L4	BORE - 3.60"/92.6mm
Valve	Exh	1994-97	10-10221S	1.453 Head Dia.	
	Int	1994-97	10-10219	1.736 Head Dia.	
Valve Seat Insert	Exh	1994-97	21-1625-54	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
	Int	1994-97	21-1812-51	1.530T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Exh	1994-97	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1994-97	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1994-97	38-962-45	Viton. Ring And Spring	
LINE 47	2675cc (2.7L) SOHC 24V C27A			1987-97 V6	BORE - 3.42"/86.9mm
Valve	Exh	1996-97	10-10741S	1.084 Head Dia.	
	Int	1987-97	10-10195	1.299 Head Dia.	
Valve Stem Seal	Exh	1987-90	38-569-45	Viton. Metal Clad	
	Int	1987-97	38-976-45	Viton. Ring and Spring	
LINE 48	2977cc (3.0L) DOHC 24V C30A VTEC			1991-02 V6	BORE - 3.54"/89.9mm
Guide	Exh	1991-02	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1991-02	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 48	2977cc (3.0L) DOHC 24V C30A VTEC			1991-02 V6	BORE - 3.54"/89.9mm
Valve Stem Seal	Both	1991-02	38-592-55	Viton. Metal Clad.	
LINE 49	2997cc (3.0L) SOHC 24V J30A VTEC			1997-07 V6	BORE - 3.39"/86.1mm
Valve	Exh	1997-02	10-10542	1.142 Head Dia. 4.496 OAL.	
	Exh	2003-07	10-10779	1.181 Head Dia.	
	Int	1997-02	10-10541	1.339 Head Dia.	
	Int	2003-07	10-10778	1.378 Head Dia.	
Guide	Exh	1997-07	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1997-07	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1997-07	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1997-07	38-592-55	Viton. Metal Clad	
LINE 50	2997cc (3.0L) SOHC 24V Hybrid JNA1/2			2005-20 V6	BORE - 3.38"/85.9mm
Valve	Exh	2017-20	10-10779	1.181 Head Dia. 0.2148 Stem 4.496 OAL	
	Int	2017-20	10-13336	1.417 Head Dia.	
Guide	Exh	2005-07	30-8157	2.130 OAL. 0.436 O.D.	
	Int	2005-20	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2005-20	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2005-20	38-592-55	Viton. Metal Clad.	
LINE 51	2997cc (3.0L) DOHC 24V J30AC/AD			2021-24 L4	BORE - 3.39"/86.1mm
Keeper	Both	2021-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 52	3165cc (3.2L) SOHC 24V 6VD1 (Isuzu) Vin V			1994-97 V6	BORE - 3.68"/93.5mm
Valve	Exh	1994-97	10-10503	1.181 Head Dia.	
	Int	1994-97	10-10502	1.339 Head Dia.	
Valve Seat Insert	Exh	1994-97	21-1312-66	1.020T I.D. 1-5/16 O.D. 0.258 Depth	
	Int	1994-97	21-1437-67	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Guide	Both	1994-97	30-8255	1.775 OAL	
Lifter	Both	1994-97	36-2254	SLX, Passport. Hydraulic	
Valve Stem Seal	Both	1994-97	38-520-45	Viton. Metal Clad.	
LINE 53	3165cc (3.2L) DOHC 24V 6VD1W (Isuzu)			1998-02 V6	BORE - 3.68"/93.5mm
Valve	Exh	1998-02	10-10740	1.142 Head Dia.	
	Int	1998-02	10-10739	1.338 Head Dia. 0.2347 Stem	
Guide	Both	1998-02	30-8255	1.775 OAL	
Lifter	Both	1998-02	36-2291	Hydraulic Bucket	
Valve Stem Seal	Both	1998-02	38-520-45	Viton. Metal Clad.	
LINE 54	3179cc (3.2L) DOHC 24V C32B VTEC			1997-05 V6	BORE - 3.66"/93.0mm
Valve Stem Seal	Both	1997-05	38-592-55	Viton. Metal Clad	
LINE 55	3206cc (3.2L) SOHC 24V C32A			1991-98 V6	BORE - 3.54"/89.9mm
Guide	Exh	1991-98	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1991-98	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1991-98	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1991-98	38-592-55	Viton. Metal Clad.	
LINE 56	3210cc (3.2L) SOHC 24V J32A VTEC			1999-08 V6	BORE - 3.50"/88.9mm
Valve	Exh	1999-03	10-10542	1.142 Head Dia. 4.496 OAL.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 56	3210cc (3.2L) SOHC 24V J32A VTEC			1999-08 V6	BORE - 3.50"/88.9mm
Valve	Exh	2000-08	10-10779	1.181 Head Dia.	
	Int	1999-03	10-10541	1.339 Head Dia.	
	Int	2000-08	10-10778	1.378 Head Dia.	
Guide	Exh	1999-08	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1999-08	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1999-08	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1999-08	38-592-55	Viton. Metal Clad	
LINE 57	3471cc (3.5L) SOHC 24V J35A/Y/Z JNB VTEC			1999-24 V6	BORE - 3.50"/88.9mm
Valve	Exh	1999-01	10-10542	1.142 Head Dia. 4.496 OAL.	
	Exh	2001-24	10-10779	1.181 Head Dia.	
	Int	1999-01	10-10541	1.339 Head Dia.	
	Int	2001-11	10-10778	1.378 Head Dia.	
	Int	2007-24	10-13336	1.417 Head Dia.	
Guide	Exh	2001-24	30-8157	2.130 OAL. 0.436 O.D.	
	Int	2001-24	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1999-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1999-24	38-592-55	Viton. Metal Clad	
LINE 58	3471cc (3.5L) DOHC 24V J35Y8			2023-24 V6	BORE - 3.50"/88.9mm
Keeper	Both	2023-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 59	3474cc (3.5L) SOHC 24V C35A1			1996-04 V6	BORE - 3.54"/89.9mm
Guide	Exh	1996-04	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1996-04	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1996-04	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1996-04	38-592-55	Viton. Metal Clad	
LINE 60	3493cc (3.5L) DOHC 24V JNC1 TRB			2017-22 V6	BORE - 3.60"/91.4mm
Keeper	Both	2017-22	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2017-20	38-592-55	Viton. Metal Clad. 0.216 x 0.436	
LINE 61	3494cc (3.5L) DOHC 24V (Isuzu) 6VE1			1998-99 V6	BORE - 3.67"/93.4mm
Valve	Exh	1998-99	10-10740	1.142 Head Dia.	
	Int	1998-99	10-10739	1.338 Head Dia.	
Guide	Both	1998-99	30-8255	1.775 OAL	
Lifter	Both	1998-99	36-2291	SLX. Hydraulic Bucket	
Valve Stem Seal	Both	1998-98	38-520-45	Viton. Metal Clad.	
LINE 62	3664cc (3.7L) SOHC 24V J37A1			2007-14 V6	BORE - 3.50"/88.9mm
Valve	Exh	2007-14	10-10779	1.181 Head Dia.	
	Int	2007-14	10-13336	1.417 Head Dia.	
Guide	Exh	2007-14	30-8157	2.130 OAL. 0.436 O.D.	
	Int	2007-14	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	2007-14	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2007-14	38-592-55	Viton. Metal Clad	

ENGINE	YEAR	CYL.	LINE NO.
999cc (1.0L) 12V SOHC G4HC (Non-USA)	1998-08	L4	**1**
1086cc (1.1L) SOHC 12V (Non-USA) G4HG	2005-11	L4	**2**
1353cc (1.4L) DOHC 16V Vin A	2017-23	L4	**3**
1399cc (1.4L) DOHC 16V Vin A (non-USA)	2006-11	L4	**4**
1468cc (1.5L) SOHC G4AJ (Mitsubishi)	1986-89	L4	**5**
1468cc (1.5L) SOHC G4DJ (Mitsubishi)	1990-94	L4	**6**
1495cc (1.5L) SOHC 12V N/A, TRB	1993-03	L4	**7**
1495cc (1.5L) DOHC 16V N G4EK Alpha II	1996-97	L4	**8**
1580cc (1.6L) DOHC 16V Vin C/D/J Hybrid	2017-24	L4	**9**
1591cc (1.6L) DOHC 16V Vin 2,5,A,B,C,D,E	2012-24	L4	**10**
1596cc (1.6L) DOHC 16V G4CR (Mitsubishi)	1992-95	L4	**11**
1598cc (1.6L) DOHC 16V Vin 1236BMD Hybrid	2020-24	L4	**12**
1599cc (1.6L) DOHC 16V G4ED Alpha II Vin C,N	2001-11	L4	**13**
1796cc (1.8L) DOHC 16V G4GM	1996-98	L4	**14**
1797cc (1.8L) DOHC 16V Vin E G4NB	2011-16	L4	**15**
1836cc (1.8L) DOHC 16V G4CN Vin M (Mits.)	1993-95	L4	**16**
1975cc (2.0L) DOHC 16V Vin B,D,E,F G4G	1997-13	L4	**17**
1997cc (2.0L) DOHC 16V G4CP (Mits.) Sirius I 4G63	1992-98	L4	**18**
1998cc (2.0L) DOHC 16V Vin A,B,D,F,H Theta II	2010-24	L4	**19**
1999cc (2.0L) DOHC 16V G4N Vin 124AEFH	2014-24	L4	**20**
2350cc (2.4L) SOHC 8V G4CS (Mitsubishi) (S) 4G64	1989-06	L4	**21**
2351cc (2.4L) DOHC 16V Vin S G4JS Sirius II	1999-06	L4	**22**
2359cc (2.4L) DOHC 16V G4K Vin 4,A,B,C	2006-21	L4	**23**
2476cc (2.5L) Diesel TRB D4B (Mits.) SOHC 8V	1991-12	4	**24**
2493cc (2.5L) DOHC 24V G6BW Delta Vin V	1999-01	V6	**25**
2497cc (2.5L) DOHC Gas 16V Vin A,C,E,F,J,L	2020-24	L4	**26**
2656cc (2.7L) DOHC 24V Vin D,F G6B	2001-09	V6	**27**
2972cc (3.0L) SOHC G6AT 12V (Mitsubishi) Vin T Sigma	1990-98	V6	**28**
2972cc (3.0L) DOHC 24V XG300	2001-01	V6	**29**
3342cc (3.3L) DOHC 24V Vin F,G G6D	2006-24	V6	**30**
3467cc (3.5L) DOHC 24V Vin E Sigma G6CU	2006-06	V6	**31**
3470cc (3.5L) DOHC 24V Vin G G6D	2010-12	V6	**32**
3470cc (3.5L) DOHC 24V Smartstream Gdi	2021-24	V6	**33**
3778cc (3.8L) DOHC 24V Vin 3,C,D,E,F,H,J G6D	2006-24	V6	**34**
4627cc (4.6L) DOHC 32V Vin F	2009-12	V8	**35**
5038cc (5.0L) DOHC 32V	2012-22	V8	**36**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**999cc (1.0L) 12V SOHC G4HC (Non-USA)**				**1998-08 L4 BORE - 2.60"/66.0mm**
Valve	Exh	1998-08	**10-3044**	1.063 Head Dia. 0.214 Stem. 3.943 OAL. Atos 1 per Cyl. OEM # 2221202500	
	Int	1998-08	**10-3043**	0.921 Head Dia. 0.215 Stem. 3.955 OAL. Atos 2 per Cyl. OEM # 2221102500	
Guide	Both	1999-07	**30-3083**	1.900 OAL. 0.215 I.D. 0.396 O.D.	
LINE 2	**1086cc (1.1L) SOHC 12V (Non-USA) G4HG**				**2005-11 L4 BORE - 2.64"/67.1mm**
Valve	Exh	2005-11	**10-30103**	1.063 Head Dia.	
	Int	2005-11	**10-30102**	0.925 Head Dia.	
Guide	Both	2005-11	**30-3293**	1.889 OAL. 0.2165 I.D. 0.396 O.D.	
LINE 3	**1353cc (1.4L) DOHC 16V Vin A**				**2017-23 L4 BORE - 2.83"/71.9mm**
Keeper	Both	2017-20	**34-5008**	1 Round Bead. 0.215 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	1399cc (1.4L) DOHC 16V Vin A (non-USA)			2006-11 L4	BORE - 2.97"/75.5mm
Valve	Exh	2006-11	10-10813	0.984 Head Dia. 0.234 Stem.	
	Int	2006-11	10-3065	1.146 Head Dia. 0.236 Stem.	
Guide	Both	2006-11	30-8147	1.520 OAL 0.436 O.D. 0.2370 I.D.	
Lifter	Both	2006-11	36-2289	Hydraulic Bucket	
LINE 5	1468cc (1.5L) SOHC G4AJ (Mitsubishi)			1986-89 L4	BORE - 2.97"/75.5mm
Valve	Exh	1986-89	10-10097	1.181 Head Dia.	
	Int	1986-89	10-10098	1.340 Head Dia.	
Valve Seat Insert	Int	1986-89	21-1437-57	1.100T I.D. 1-7/16 O.D. 0.293 Depth	
Guide	Int	1986-89	30-7578	1.730 OAL. 0.260 I.D. 0.4755 O.D.	
Valve Stem Seal	Both	1986-89	38-996-55	Viton. Metal Clad.	
Expansion Plug Kit		1986-89	97-0214	Steel Kit.	
		1986-89	97-0214B	Brass Kit.	
LINE 6	1468cc (1.5L) SOHC G4DJ (Mitsubishi)			1990-94 L4	BORE - 2.97"/75.5mm
Valve	Exh	1990-94	10-10097	1.181 Head Dia.	
	Int	1990-94	10-10136	1.380 Head Dia.	
Guide	Int	1990-94	30-7578	1.730 OAL. 0.260 I.D. 0.4755 O.D.	
Valve Stem Seal	Both	1990-94	38-996-55	Viton. Metal Clad.	
Expansion Plug Kit		1990-94	97-0214	Steel Kit.	
		1990-94	97-0214B	Brass Kit.	
LINE 7	1495cc (1.5L) SOHC 12V N/A, TRB			1993-03 L4	BORE - 2.97"/75.5mm
Valve	Exh	1993-94	10-10548	4/93-94. 1.260 Head Dia. Incl. Turbo.	
	Exh	1995-03	10-10549	1.260 Head Dia. Incl. Turbo	
	Int	1993-02	10-10547	From 4/93. 1.079 Head Dia. Incl. Turbo	
Valve Seat Insert	Exh	1993-03	21-1375-63	1.057T I.D. 1-3/8 O.D. 0.240 Depth	
Guide	Exh	1993-03	30-8573	2.200 OAL. 0.2765 I.D. 0.4955 O.D.	
	Int	1993-03	30-8572	1.690 OAL 0.236 I.D. 0.436 O.D.	
Keeper	Both	1993-03	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	1995-03	36-2254	Hydraulic	
Valve Stem Seal	Both	1993-03	38-553-55	Viton. Metal Clad.	
LINE 8	1495cc (1.5L) DOHC 16V N G4EK Alpha II			1996-97 L4	BORE - 2.97"/75.5mm
Valve	Exh	1996-97	10-10813	0.984 Head Dia. 0.234 Stem.	
	Int	1996-97	10-10812	1.110 Head Dia	
Guide	Both	1996-97	30-8147	1.520 OAL. 0.436 O.D.	
Spring	Both	1996-97	32-2278	1.716 Free Length	
Keeper	Both	1996-97	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	1996-97	36-2289	Hydraulic Bucket	
Valve Stem Seal	Both	1996-97	38-553-55	Viton. Metal Clad	
LINE 9	1580cc (1.6L) DOHC 16V Vin C/D/J Hybrid			2017-24 L4	BORE - 2.83"/25.4mm
Keeper	Both	2017-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 10	1591cc (1.6L) DOHC 16V Vin 2,5,A,B,C,D,E			2012-24 L4	BORE - 3.03"/77.0mm
Valve	Exh	2012-24	10-30101	1.024 Head Dia. 0.215 Stem	
	Int	2012-24	10-30100	1.240 Head Dia. 0.215 Stem	
Spring	Both	2012-24	32-2280	1.768 Free Length. Conical.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 10	1591cc (1.6L) DOHC 16V Vin 2,5,A,B,C,D,E				2012-24 L4 BORE - 3.03"/77.0mm
Keeper	Both	2012-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 11	1596cc (1.6L) DOHC 16V G4CR (Mitsubishi)				1992-95 L4 BORE - 3.24"/82.3mm
Valve	Exh	1992-95	10-10128	1.201 Head Dia.	
	Int	1992-95	10-10126	1.339 Head Dia.	
Valve Seat Insert	Int	1992-95	21-1437-68	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Guide	Exh	1992-95	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1992-95	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1992-95	36-2274	Hydraulic	
Valve Stem Seal	Both	1992-95	38-996-55	Viton. Metal Clad.	
LINE 12	1598cc (1.6L) DOHC 16V Vin 1236BMD Hybrid				2020-24 L4 BORE - 2.98"/75.7mm
Keeper	Both	2020-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 13	1599cc (1.6L) DOHC 16V G4ED Alpha II Vin C,N				2001-11 L4 BORE - 3.01"/76.5mm
Valve	Exh	2001-11	10-10813	0.984 Head Dia. 0.234 Stem.	
	Int	2001-11	10-3065	1.146 Head Dia. 0.236 Stem.	
Guide	Both	2001-11	30-8147	1.520 OAL 0.436 O.D. 0.2370 I.D.	
Spring	Both	2001-11	32-2278	1.716 Free Length.	
Keeper	Both	2001-11	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	2001-11	36-2289	Hydraulic Bucket	
Valve Stem Seal	Both	2001-11	38-998-45	Viton. Metal Clad. 0.236 x 0.436.	
LINE 14	1796cc (1.8L) DOHC 16V G4GM				1996-98 L4 BORE - 3.23"/82.0mm
Valve	Exh	1996-98	10-10724	1.081 Head Dia.	
	Int	1996-98	10-10723	1.257 Head Dia.	
Guide	Exh	1996-98	30-8567	1.750 OAL	
	Int	1996-98	30-8573	2.200 OAL. 0.2765 I.D. 0.4955 O.D.	
Valve Stem Seal	Both	1996-98	38-553-55	Viton. Metal Clad.	
LINE 15	1797cc (1.8L) DOHC 16V Vin E G4NB				2011-16 L4 BORE - 3.19"/81.0mm
Valve	Exh	2011-16	10-30105	1.064 Head Dia. 0.215 Stem	
	Int	2011-16	10-30104	1.299 Head Dia. 0.215 Stem	
Spring	Exh	2011-16	32-2511	1.810 Free Length	
Keeper	Both	2011-16	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2011-16	36-2091	Hydraulic	
Valve Stem Seal	Both	2011-16	38-6101-55	Viton. Top Hat.	
LINE 16	1836cc (1.8L) DOHC 16V G4CN Vin M (Mits.)				1993-95 L4 BORE - 3.24"/82.3mm
Valve	Exh	1993-95	10-10128	1.201 Head Dia.	
	Int	1993-95	10-10126	1.339 Head Dia.	
Valve Seat Insert	Int	1993-95	21-1437-68	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Guide	Exh	1993-95	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1993-95	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1993-95	36-2274	Hydraulic	
Valve Stem Seal	Both	1993-95	38-996-55	Viton. Metal Clad.	
LINE 17	1975cc (2.0L) DOHC 16V Vin B,D,E,F G4G				1997-13 L4 BORE - 3.23"/82.0mm
Valve	Exh	1997-01	10-10724	1.081 Head Dia. Tiburon 01. 0.2349 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 17	1975cc (2.0L) DOHC 16V Vin B,D,E,F G4G			1997-13 L4	BORE - 3.23"/82.0mm
Valve	Exh	2001-12	10-10817	1.081 Head Dia. Elantra 01. 0.2339 Stem	
	Exh	2011-13	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	1997-01	10-10723	1.257 Head Dia. Tiburon 01. 0.2339 Stem	
	Int	2001-12	10-10816	1.257 Head Dia. Elantra 01. 0.2349 Stem	
	Int	2011-13	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Exh	1997-12	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	1997-12	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	2011-13	34-5008	1 Round Bead. 0.215 Stem Dia.	
	Both	1997-12	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	2001-12	36-7090	Hydraulic	
Valve Stem Seal	Both	1997-11	38-553-55	Viton. Metal Clad.	
	Both	2012-12	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 18	1997cc (2.0L) DOHC 16V G4CP (Mits.) Sirius I 4G63			1992-98 L4	BORE - 3.35"/85.0mm
Valve	Exh	1992-98	10-10128	1.201 Head Dia.	
	Int	1992-98	10-10126	1.339 Head Dia.	
Valve Seat Insert	Int	1992-98	21-1437-68	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Guide	Exh	1992-98	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1992-98	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1992-98	36-2274	Hydraulic	
Valve Stem Seal	Both	1992-98	38-996-55	Viton. Metal Clad.	
LINE 19	1998cc (2.0L) DOHC 16V Vin A,B,D,F,H Theta II			2010-24 L4	BORE - 3.39"/86.1mm
Valve	Exh	2010-23	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	2010-23	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Both	2010-23	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2010-23	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2010-23	38-6101-55	Viton. Top Hat	
LINE 20	1999cc (2.0L) DOHC 16V G4N Vin 124AEFH			2014-24 L4	BORE - 3.19"/81.0mm
Valve	Exh	2014-22	10-30105	1.064 Head Dia. 0.215 Stem	
	Int	2014-22	10-30104	1.299 Head Dia. 0.215 Stem	
Spring	Exh	2014-22	32-2511	1.810 Free Length	
Keeper	Both	2014-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2014-15	36-2091	Hydraulic	
Valve Stem Seal	Both	2014-24	38-6101-55	Viton. Top Hat	
LINE 21	2350cc (2.4L) SOHC 8V G4CS (Mitsubishi) (S) 4G64			1989-06 L4	BORE - 3.40"/86.4mm
Valve	Exh	1989-06	10-10144	1.496 Head Dia.	
	Int	1989-06	10-10143	1.811 Head Dia.	
Valve Seat Insert	Exh	1989-91	21-1625-56	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Int	1989-91	21-1875-51	1.575T I.D, 1-7/8 O.D. 0.317 Depth.	
Guide	Exh	1989-06	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Int	1989-06	30-7576	1.735 OAL. +2 O/S Avail.	
Spring	Both	1989-91	32-1289	1.960 Free Length.	
Keeper	Both	1989-06	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1989-06	36-6000	Sonata. Hydraulic	
Valve Stem Seal	Both	1989-06	38-964-55	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 21	2350cc (2.4L) SOHC 8V G4CS (Mitsubishi) (S) 4G64			1989-06 L4	BORE - 3.40"/86.4mm
Expansion Plug Kit		1989-06	97-0226	Steel Kit.	
		1989-06	97-0226B	Brass Kit.	
LINE 22	2351cc (2.4L) DOHC 16V Vin S G4JS Sirius II			1999-06 L4	BORE - 3.41"/86.6mm
Valve	Exh	1999-06	10-10128	1.201 Head Dia.	
	Int	1999-06	10-10126	1.339 Head Dia.	
Guide	Exh	1999-06	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1999-06	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1999-06	36-2274	Hydraulic	
Valve Stem Seal	Both	1999-06	38-996-55	Viton. Metal Clad.	
LINE 23	2359cc (2.4L) DOHC 16V G4K Vin 4,A,B,C			2006-21 L4	BORE - 3.46"/87.9mm
Valve	Exh	2006-21	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	2006-21	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Both	2006-21	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2006-21	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2006-13	36-7108	Hydraulic	
Valve Stem Seal	Both	2006-21	38-6101-55	Viton. Top Hat	
LINE 24	2476cc (2.5L) Diesel TRB D4B (Mits.) SOHC 8V			1991-12 4	BORE - 3.59"/91.1mm
Valve	Exh	1991-12	10-3186	1.338 Head Dia. OEM # 2221242520	
	Int	1991-12	10-3187	1.571 Head Dia. OEM # 2221142520	
Guide	Exh	1991-12	30-7851	2.920 OAL. OEM # MD050527	
	Int	1991-12	30-7850	2.800 OAL. OEM # MD050523	
LINE 25	2493cc (2.5L) DOHC 24V G6BW Delta Vin V			1999-01 V6	BORE - 3.31"/84mm
Valve	Exh	1999-01	10-10809	1.083 Head Dia.	
	Int	1999-01	10-10808	1.260 Head Dia.	
Guide	Exh	1999-01	30-8573	2.200 OAL. 0.2765 I.D. 0.4955 O.D.	
	Int	1999-01	30-8572	1.690 OAL 0.236 I.D. 0.436 O.D.	
Keeper	Both	1999-01	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	1999-01	36-2289	Hydraulic Bucket	
Valve Stem Seal	Both	1999-01	38-553-55	Viton. Metal Clad.	
LINE 26	2497cc (2.5L) DOHC Gas 16V Vin A,C,E,F,J,L			2020-24 L4	BORE - 3.48"/88.3mm
Keeper	Both	2020-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 27	2656cc (2.7L) DOHC 24V Vin D,F G6B			2001-09 V6	BORE - 3.41"/86.7mm
Valve	Exh	2001-09	10-10809	1.083 Head Dia.	
	Int	2001-09	10-10808	1.260 Head Dia.	
Guide	Exh	2001-09	30-8573	1.540 OAL 0.436 O.D. 0.236 I.D.	
	Int	2001-09	30-8572	1.690 OAL 0.236 I.D. 0.436 O.D.	
Keeper	Both	2001-09	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	2001-09	36-2289	Hydraulic	
Valve Stem Seal	Both	2001-09	38-553-55	Viton. Metal Clad.	
LINE 28	2972cc (3.0L) SOHC G6AT 12V (Mitsubishi) Vin T Sigma			1990-98 V6	BORE - 3.59"/91.1mm
Valve	Exh	1990-98	10-10148	1.378 Head Dia. 0.030 Shorter Than OEM.	
	Exh	1990-98	10-10625	1.378 Head Dia. OEM Length	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 28	2972cc (3.0L) SOHC G6AT 12V (Mitsubishi) Vin T Sigma			1990-98 V6 BORE - 3.59"/91.1mm
Valve	Int	1990-98	10-10147	1.693 Head Dia. 0.030 Shorter Than OEM.
	Int	1990-98	10-10624	1.693 Head Dia. OEM Length
Valve Seat Insert	Exh	1990-98	21-1562-69	1.219 I.D. 1-9/16 O.D. 0.317 Depth.
	Int	1990-96	21-1750-54	1.460T I.D. 1-3/4 O.D. 0.316 Depth.
Guide	Exh	1990-96	30-7577	1.890 OAL. +2 O/S Avail. Incl. Lock Ring
	Int	1990-96	30-7576	1.735 OAL. +2 O/S Avail.
Spring	Both	1990-98	32-1289	1.960 Free Length.
Keeper	Both	1990-98	34-716	1 Round Groove. Heat Treated
Lifter	Both	1990-98	36-6000	Sonata. Hydraulic
Valve Stem Seal	Both	1990-98	38-964-55	Viton. Metal Clad.
LINE 29	2972cc (3.0L) DOHC 24V XG300			2001-01 V6 BORE - 3.43"/87.0mm
Valve	Exh	2001-01	10-10501	1.199 Head Dia. 0.2576 Stem
	Int	2001-01	10-10500	1.380 Head Dia. 0.2588 Stem
Guide	Exh	2001-01	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.
	Int	2001-01	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.
Lifter	Both	2001-01	36-2274	Hydraulic. XG300
Valve Stem Seal	Both	2001-01	38-996-55	Viton. Metal Clad
LINE 30	3342cc (3.3L) DOHC 24V Vin F,G G6D			2006-24 V6 BORE - 3.62"/91.9mm
Valve	Exh	2006-20	10-13287	1.220 Head Dia. 0.215 Stem
	Int	2006-23	10-13286	1.415 Head Dia. 0.215 Stem
Guide	Both	2006-23	30-3152	1.655 OAL. 0.2168 I.D. 0.4348 O.D.
Spring	Both	2007-19	32-2286	1.788 Free Length. Conical
Keeper	Both	2006-23	34-5008	1 Round Bead. 0.215 Stem Dia.
Lifter	Both	2006-16	36-7107	Hydraulic
Valve Stem Seal	Both	2006-23	38-6103-55	Viton. Metal Clad.
LINE 31	3467cc (3.5L) DOHC 24V Vin E Sigma G6CU			2006-06 V6 BORE - 3.66"/92.9mm
Valve	Exh	2002-06	10-10501	1.199 Head Dia. 0.2576 Stem
	Int	2002-06	10-10500	1.380 Head Dia. 0.260 Stem
Guide	Exh	2002-06	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.
	Int	2002-06	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.
Lifter	Both	2002-06	36-2274	Hydraulic
Valve Stem Seal	Both	2002-06	38-996-55	Viton. Metal Clad. 0.260 Stem
LINE 32	3470cc (3.5L) DOHC 24V Vin G G6D			2010-12 V6 BORE - 3.78"/96.0mm
Valve	Exh	2010-12	10-13287	1.220 Head Dia. 0215 Stem
	Int	2010-12	10-13286	1.415 Head Dia. 0.215 Stem
Guide	Int	2010-12	30-3152	1.655 OAL. 0.2168 I.D. 0.4348 O.D.
Spring	Both	2010-12	32-2286	1.788 Free Length. Conical
Keeper	Both	2010-12	34-5008	1 Round Bead. 0.215 Stem Dia.
Lifter	Both	2010-11	36-7107	Hydraulic
Valve Stem Seal	Both	2010-12	38-6103-55	Viton. Metal Clad. 0.215 Stem
LINE 33	3470cc (3.5L) DOHC 24V Smartstream Gdi			2021-24 V6 BORE - 3.62"/91.9mm
Keeper	Both	2021-23	34-5008	1 Round Bead. 0.215 Stem Dia.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 34	3778cc (3.8L) DOHC 24V Vin 3,C,D,E,F,H,J G6D			2006-24 V6	BORE - 3.78"/96.0mm
Valve	Exh	2006-24	**10-13287**	1.220 Head Dia. 0.215 Stem	
	Int	2006-24	**10-13286**	1.413 Head Dia. 0.215 Stem	
Guide	Both	2006-24	**30-3152**	1.655 OAL. 0.2168 I.D. 0.4348 O.D.	
Spring	Both	2006-16	**32-2286**	1.788 Free Length. Conical	
Keeper	Both	2006-24	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2006-13	**36-7107**	Hydraulic	
Valve Stem Seal	Both	2006-24	**38-6103-55**	Viton. Metal Clad.	
LINE 35	4627cc (4.6L) DOHC 32V Vin F			2009-12 V8	BORE - 3.62"/91.9mm
Valve	Exh	2009-11	**10-10570**	1.220 Head Dia. 0.235 Stem	
	Int	2009-11	**10-10569**	1.495 Head Dia. 0.235 Stem	
Lifter	Both	2009-12	**36-2090**	Hydraulic	
LINE 36	5038cc (5.0L) DOHC 32V			2012-22 V8	BORE - 3.78"/96.0mm
Valve	Exh	2012-19	**10-10570**	1.220 Head Dia. 0.235 Stem	
	Int	2012-21	**10-10569**	1.495 Head Dia. 0.235 Stem	
Lifter	Both	2012-15	**36-2090**	Hydraulic	

ENGINE	YEAR	CYL.	LINE NO.
1471cc (1.5L) SOHC 8V 4XC1, 4XC1T Turbo Vin 9,7,K	1985-89	L4	**1**
1588cc (1.6L) SOHC 12V 4XE1 Vin 6	1991-93	L4	**2**
1588cc (1.6L) DOHC 16V 4XE1W, 4XE1WT Turbo Vin 5	1989-92	L4	**3**
1809cc (1.8L) DOHC 16V 4XF1 Vin 8	1992-93	L4	**4**
1817cc (1.8L) SOHC Diesel 4FB1 Vin B, P	1981-84	L4	**5**
1817cc (1.8L) SOHC 8V G180Z Vin B, N	1981-85	L4	**6**
1949cc (1.9L) SOHC 8V G200Z Vin A	1983-87	L4	**7**
1994cc (2.0L) SOHC 8V Turbo 4ZC1 Vin F	1985-89	L4	**8**
2195cc (2.2L) 8V (GM) Vin 4, 5, LN2, Gas, Flex	1996-00	L4	**9**
2196cc (2.2) DOHC 16V MFI X22SE Vin D	1998-03	L4	**10**
2238cc (2.2L) SOHC Diesel C223 Vin S 8V	1981-87	L4	**11**
2254cc (2.3L) SOHC Carb. 8V 4ZD1 Vin L	1985-95	L4	**12**
2254cc (2.3L) SOHC F.I. 8V 4ZD1	1988-89	L4	**13**
2254cc (2.3L) SOHC 16V (VTEC Honda)	1998-99	L4	**14**
2.5L 4JA1T 8V	1994-10	L4	**15**
2559cc (2.6L) SOHC 8V 4ZE1 Vin E	1988-97	L4	**16**
2770cc (2.8L) DOHC 16V (GM Vortec) Vin 8	2006-06	L4	**17**
2827cc (2.8L) 12V (GM) LL2 Vin R	1989-91	V6	**93**
2921cc (2.9L) DOHC 16V Vin 9 (GM)	2007-08	L4	**19**
3.0L DOHC 16V 4JJ1, 4JK1 Diesel	2009-19	L4	**20**
3137cc (3.1L) 12V (GM) Vin Z CPC	1991-94	V6	**21**
3165cc (3.2L) SOHC 24V 6VD1, V	1992-97	V6	**22**
3165cc (3.2L) DOHC 24V 6VD1W,2	1992-04	V6	**23**
3460cc (3.5L) DOHC 20V Vin 6 (GM Vortec)	2006-06	L5	**24**
3491cc (3.5L) DOHC 24V 6VE1 Vin X, Y	1998-04	V6	**25**
3651cc (3.7L) DOHC 20V Vin E (GM)	2007-08	L5	**26**
3.9L 4BD1T, 4BD2T Diesel 8V		L4	**27**
256 C.I. (4.2L) DOHC 24V (GM Vortec) Vin S	2003-08	L6	**28**
262 C.I. (4.3L) (GM) Vin W, X (LB4, LF6)	1997-00	V6	**29**
4.6L 4HG1T SOHC Dir. Inj. 8V D TRB		L4	**30**
290 C.I. (4.8L) SOHC 8V 4HE1 Turbo Diesel Dir. Inj.	1998-04	L4	**31**
5193cc (5.2L) SOHC 4HK1 16V Diesel	2006-23	L4	**32**
5328cc (5.3L) OHV 16V (GM Vortec) Vin C,M,P	2003-06	V8	**33**
5.8L 6BD1T, 6BD2T Vin N, Diesel 12V		L6	**34**
5967cc (6.0L) OHV 16V Vortec (GM)	2003-24	V8	**35**
435 C.I. (7.1L) SOHC 12V 6HE1 Turbo Diesel Dir. Inj.	1995-98	L6	**36**
7780cc (7.8L) SOHC 6HK1 24V Diesel	1998-11	L6	**37**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1471cc (1.5L) SOHC 8V 4XC1, 4XC1T Turbo Vin 9,7,K**				**1985-89 L4** **BORE - 3.00"/76.2mm**
Valve	Exh	1985-89	**10-10104**	1.220 Head Dia. 0.274 Stem	
	Int	1985-89	**10-10105**	1.415 Head Dia. 0.2742 Stem	
Guide	Int	1985-89	**30-8014**	1.695 OAL.	
Keeper	Both	1985-89	**34-5001**	1 Round Bead	
Valve Stem Seal	Both	1985-89	**38-967-25**	Polyacrylic. Metal Clad. 0.279 Stem.	
	Both	1985-89	**38-980-45**	Viton. Metal Clad.	
Expansion Plug Kit		1985-89	**97-0214**	Steel Kit.	
		1985-89	**97-0214B**	Brass Kit.	
LINE 2	**1588cc (1.6L) SOHC 12V 4XE1 Vin 6**				**1991-93 L4** **BORE - 3.15"/80.0mm**
Valve Seat Insert	Exh	1991-93	**21-1375-51**	1.060T I.D. 1-3/8O.D. 0.280 Depth	
	Int	1991-93	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 2	1588cc (1.6L) SOHC 12V 4XE1 Vin 6			1991-93 L4	BORE - 3.15"/80.0mm
Guide	Exh	1991-93	30-8255	1.775 OAL	
	Int	1991-93	30-8189	1.650 OAL	
Valve Stem Seal	Both	1991-93	38-520-45	Viton. Metal Clad.	
Expansion Plug Kit		1991-93	97-168	Steel Kit.	
		1991-93	97-168B	Brass Kit.	
LINE 3	1588cc (1.6L) DOHC 16V 4XE1W, 4XE1WT Turbo Vin 5			1989-92 L4	BORE - 3.15"/80.0mm
Valve Seat Insert	Exh	1989-92	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
	Int	1989-92	21-1312-52	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
Guide	Exh	1989-92	30-8255	1.775 OAL	
	Int	1989-92	30-8189	1.650 OAL	
Valve Stem Seal	Both	1989-92	38-520-45	Viton. Metal Clad.	
Expansion Plug Kit		1989-92	97-168	Steel Kit.	
		1989-92	97-168B	Brass Kit.	
LINE 4	1809cc (1.8L) DOHC 16V 4XF1 Vin 8			1992-93 L4	BORE - 3.15"/80.0mm
Valve Seat Insert	Exh	1992-93	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
	Int	1992-93	21-1312-52	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
Guide	Exh	1992-93	30-8255	1.775 OAL. 0.4355 O..D.	
	Int	1992-93	30-8189	1.650 OAL. 0.435 O.D.	
Valve Stem Seal	Both	1992-93	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 5	1817cc (1.8L) SOHC Diesel 4FB1 Vin B, P			1981-84 L4	BORE - 3.31"/84.0mm
Valve Seat Insert	Int	1981-84	21-1625-61	1.305T I.D. 1-5/8 O.D. 0.227 Depth	
Guide	Exh	1981-84	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1981-84	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1981-84	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1981-84	97-0202	Steel Kit.	
		1981-84	97-0202B	Brass Kit.	
LINE 6	1817cc (1.8L) SOHC 8V G180Z Vin B, N			1981-85 L4	BORE - 3.31"/84.0mm
Valve	Exh	1981-84	10-10093	1.337 Head Dia.	
	Int	1981-84	10-10094	1.588 Head Dia.	
Valve Seat Insert	Exh	1981-84	21-1500-50	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.	
	Int	1981-84	21-1750-62	1.323T I.D. 1-3/4 O.D. 0.276 Depth.	
Guide	Exh	1981-84	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1981-84	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1981-85	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1981-85	97-0202	Steel Kit.	
		1981-85	97-0202B	Brass Kit.	
LINE 7	1949cc (1.9L) SOHC 8V G200Z Vin A			1983-87 L4	BORE - 3.40"/86.4mm
Valve	Exh	1983-87	10-10093	1.337 Head Dia. Exc. Impulse.	
	Int	1983-87	10-10087	1.673 Head Dia. Impulse	
	Int	1983-87	10-10094	1.588 Head Dia. Exc. Impulse.	
Valve Seat Insert	Exh	1983-87	21-1500-50	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.	
	Int	1983-87	21-1750-62	1.323T I.D. 1-3/4 O.D. 0.276 Depth.	
Guide	Exh	1983-87	30-7714	2.160 OAL. +2 O/S Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 7	**1949cc (1.9L) SOHC 8V G200Z Vin A**			**1983-87 L4 BORE - 3.40"/86.4mm**
Guide	Int	1983-87	**30-7713**	1.810 OAL. +2 O/S Avail.
Valve Stem Seal	Both	1983-87	**38-962-45**	Viton. Ring And Spring.
Expansion Plug Kit		1983-87	**97-0202**	Steel Kit.
		1983-87	**97-0202B**	Brass Kit.
LINE 8	**1994cc (2.0L) SOHC 8V Turbo 4ZC1 Vin F**			**1985-89 L4 BORE - 3.40"/86.4mm**
Valve	Exh	1985-89	**10-10220S**	1.413 Head Dia.
	Int	1985-89	**10-10218**	1.663 Head Dia.
Valve Seat Insert	Exh	1985-89	**21-1562-66**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.
Guide	Exh	1985-89	**30-7714**	2.160 OAL. +2 O/S Avail.
	Int	1985-89	**30-7713**	1.810 OAL. +2 O/S Avail.
Valve Stem Seal	Both	1985-89	**38-962-45**	Viton. Ring And Spring.
LINE 9	**2195cc (2.2L) 8V (GM) Vin 4, 5, LN2, Gas, Flex**			**1996-00 L4 BORE - 3.50"/88.9mm**
Valve	Exh	1996-97	**10-1737**	1.457 Head Dia. 0.2738 Stem. 5.142 OAL. 0.222 Tip To Groove.
	Exh	1996-97	**10-1737+15**	1.457 Head Dia. 0.2888 Stem. 5.142 OAL. 0.222 Tip To Groove.
	Exh	1996-97	**10-1737+3**	1.457 Head Dia. 0.2768 Stem. 5.142 OAL. 0.222 Tip To Groove.
	Exh	1998-00	**10-1903**	1.457 Head Dia. 0.2738 Stem. 5.000 OAL.
	Exh	1998-00	**10-1903+15**	1.457 Head Dia. 0.2888 Stem. 5.000 OAL.
	Exh	1998-00	**10-1903+3**	1.457 Head Dia. 0.2768 Stem. 5.000 OAL.
	Int	1996-97	**10-1736**	1.732 Head Dia. 0.2742 Stem Dia. 5.465 OAL. 0.204 Tip To Groove.
	Int	1996-97	**10-1736+15**	1.732 Head Dia. 0.2742 Stem Dia. 5.465 OAL. 0.204 Tip To Groove.
	Int	1996-97	**10-1736+3**	1.732 Head Dia. 0.2772 Stem Dia. 5.465 OAL. 0.204 Tip To Groove.
	Int	1998-00	**10-1902**	1.732 Head Dia. 0.2746 Stem. 5.285 OAL.
	Int	1998-00	**10-1902+15**	1.732 Head Dia. 0.2896 Stem. 5.285 OAL.
	Int	1998-00	**10-1902+3**	1.732 Head Dia. 0.2776 Stem. 5.285 OAL.
Valve Seat Insert	Exh	1996-97	**21-1562-66**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.
	Int	1996-97	**21-1812-55**	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.
Guide	Both	1998-00	**30-3009**	2.289 OAL. 0.2763 I.D. +2 O/S Avail.
	Exh	1996-97	**30-8535**	2.320 OAL. 0.2757 I.D.
	Int	1996-97	**30-8536**	2.770 OAL. 0.2757 I.D.
Spring	Both	1998-00	**32-04018**	1.910 Free Length. Conical
	Both	1996-97	**32-2212**	1.958 Free Length. Conical
Keeper	Both	1996-00	**34-04644**	1 Round Groove
Lifter	Both	1996-00	**36-2270**	Hydraulic Roller
Valve Stem Seal	Both	1996-97	**38-322-45**	Viton. Ring And Band.
	Both	1998-00	**38-588-45**	Viton. Top Hat.
LINE 10	**2196cc (2.2) DOHC 16V MFI X22SE Vin D**			**1998-03 L4 BORE - 3.39"/86.1mm**
Valve	Exh	1998-03	**10-2040S**	1.142 Head Dia. Bi-Metallic, Stellite
	Int	1998-03	**10-10784**	1.260 Head Dia.
Guide	Exh	1998-03	**30-3011**	1.378 OAL. Cast Iron.
	Int	1998-03	**30-3010**	1.773 OAL. Cast Iron.
	Exh	1998-03	**31-3011**	1.378 OAL. Manganese Bronze.
	Int	1998-03	**31-3010**	1.773 OAL. Manganese Bronze.
Spring	Both	1998-03	**32-2488**	1.673 Free Length.
Keeper	Both	1998-03	**34-5021**	3 Round Beads. 0.236 Stem Dia.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 10	2196cc (2.2) DOHC 16V MFI X22SE Vin D				1998-03 L4 BORE - 3.39"/86.1mm
Lifter	Both	1998-03	36-7089	Hydraulic	
Valve Stem Seal	Both	1998-03	38-1329-45	Viton. Metal Clad.	
LINE 11	2238cc (2.2L) SOHC Diesel C223 Vin S 8V				1981-87 L4 BORE - 3.40"/86.4mm
Valve	Exh	1981-87	10-10217	1.339 Head Dia.	
	Int	1981-87	10-10216	1.575 Head Dia.	
Valve Seat Insert	Int	1981-87	21-1625-55	1.333T I.D. 1-5/8 O.D. 0.237 Depth	
Guide	Both	1981-87	30-7656	1.970 OAL	
Valve Stem Seal	Both	1981-87	38-962-45	Viton. Ring And Spring.	
LINE 12	2254cc (2.3L) SOHC Carb. 8V 4ZD1 Vin L				1985-95 L4 BORE - 3.50"/88.9mm
Valve	Exh	1986-95	10-10220S	1.413 Head Dia.	
	Int	1986-95	10-10218	1.663 Head Dia.	
Valve Seat Insert	Exh	1986-95	21-1562-66	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Exh	1986-95	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1986-95	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1986-95	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1986-95	97-139	Steel Kit.	
		1986-95	97-139B	Brass Kit.	
LINE 13	2254cc (2.3L) SOHC F.I. 8V 4ZD1				1988-89 L4 BORE - 3.50"/88.9mm
Valve	Exh	1988-89	10-10221S	1.453 Head Dia.	
	Int	1988-89	10-10219	1.736 Head Dia.	
Valve Seat Insert	Exh	1988-89	21-1625-54	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
	Int	1988-89	21-1812-51	1.530T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Exh	1988-89	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1988-89	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1988-89	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1988-89	97-139	Steel Kit.	
		1988-89	97-139B	Brass Kit.	
LINE 14	2254cc (2.3L) SOHC 16V (VTEC Honda)				1998-99 L4 BORE - 3.39"/86.1mm
Valve	Exh	1998-99	10-10542	1.142 Head Dia. 4.496 OAL.	
	Int	1998-99	10-10541	1.339 Head Dia.	
Guide	Exh	1998-99	30-8157	2.130 OAL. 0.436 O.D.	
	Int	1998-99	30-8158	1.875 OAL. 0.436 O.D. Incl. Lock Ring	
Keeper	Both	1998-99	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1998-99	38-592-55	Viton. Metal Clad.	
LINE 15	2.5L 4JA1T 8V				1994-10 L4 BORE - 3.66"/92.9mm
Valve	Exh	1994-10	10-30152	1.401 Head Dia. OEM # 8942478751	
	Int	1994-10	10-30151	1.575 Head Dia. OEM # 8941332751	
Valve Seat Insert	Exh		22-1450-1	1.194 I.D. 1.450 O.D. 0.279 Depth. OEM # 8944315210	
	Int		22-1627-1	1.351 I.D. 1.627 O.D. 0.279 Depth. OEM # 8944315220	
Guide	Both		30-3302	1.971 OAL. 0.553 O.D. 0.3145 I.D.	
Valve Stem Seal	Both		38-7002-55	Viton. Metal Clad. OEM # 8973767200	
LINE 16	2559cc (2.6L) SOHC 8V 4ZE1 Vin E				1988-97 L4 BORE - 3.65"/92.6mm
Valve	Exh	1988-97	10-10221S	1.453 Head Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 16	2559cc (2.6L) SOHC 8V 4ZE1 Vin E			1988-97 L4	BORE - 3.65"/92.6mm
Valve	Int	1988-97	10-10219	1.736 Head Dia.	
Valve Seat Insert	Exh	1988-97	21-1625-54	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
	Int	1988-97	21-1812-51	1.530T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Exh	1988-97	30-7714	2.160 OAL. +2 O/S Avail.	
	Int	1988-97	30-7713	1.810 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1988-97	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1988-97	97-103B	Brass Kit.	
LINE 17	2770cc (2.8L) DOHC 16V (GM Vortec) Vin 8			2006-06 L4	BORE - 3.66"/92.9mm
Valve	Exh	2006-06	10-1999	1.201 Head Dia. 0.2343 Stem	
	Int	2006-06	10-1998	1.457 Head Dia. 0.2347 Stem	
Guide	Both	2006-06	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2006-06	32-04051	1.770 Free Length	
Keeper	Both	2006-06	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2006-06	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2006-06	38-354-45	Viton. Top Hat.	
Rocker Component	Both	2006-06	40-3901	Rocker Arm	
Retainer	Both	2006-06	55-7712	0.980 O.D. 0.235 Stem	
LINE 18	2827cc (2.8L) 12V (GM) LL2 Vin R			1989-91 V6	BORE - 3.50"/88.9mm
Valve	Exh	1989-91	10-1480	1.425 Head Dia. 0.3413 Stem. 4.736 OAL. Cast Iron Head	
	Exh	1989-91	10-1480+15	1.425 Head Dia. 0.3563 Stem. 4.736 OAL.	
	Exh	1989-91	10-1480+3	1.425 Head Dia. 0.3443 Stem. 4.736 OAL.	
	Int	1989-91	10-1481	1.718 Head Dia. 0.3412 Stem. 4.705 OAL. Cast Iron Head	
	Int	1989-91	10-1481+15	1.718 Head Dia. 0.3562 Stem. 4.705 OAL.	
	Int	1989-91	10-1481+3	1.718 Head Dia. 0.3442 Stem. 4.705 OAL.	
Valve Seat Insert	Exh	1989-91	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
	Int	1989-91	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	1989-91	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
Guide	Both	1989-91	30-9560	Cast Iron Heads. 2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.	
Keeper	Both	1989-91	34-555	1 Square Groove. Heat Treated.	
Lifter	Both	1989-91	36-2095	Hydraulic	
Valve Stem Seal	Both	1989-91	38-240-25	Polyacrylic. O-Ring.	
Rocker Kit	Both	1989-91	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball	
Rocker Component	Both	1989-91	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut	
Push Rod	Both	1989-91	74-6342	6.163 Length	
LINE 19	2921cc (2.9L) DOHC 16V Vin 9 (GM)			2007-08 L4	BORE - 3.76"/95.5mm
Valve	Exh	2007-08	10-13046	1.323 Head Dia.	
	Int	2007-08	10-13179	1.525 Head Dia.	
Guide	Both	2007-08	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2007-08	32-5001	1.729 Free Length. Conical	
Keeper	Both	2007-08	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2007-08	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-08	38-6995-45	Viton. Top Hat.	
Rocker Component	Both	2007-08	40-3901	Rocker Arm	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 20	3.0L DOHC 16V 4JJ1, 4JK1 Diesel			2009-19 L4 BORE - 3.76"/95.5mm
Valve	Exh		10-3201	1.183 Head Dia. NPR Eco-Max (Mexico Elf 200-300). OEM # 8980169741
	Int		10-3200	1.300 Head Dia. NPR Eco-Max (Mexico Elf 200-300). OEM # 8980169730
LINE 21	3137cc (3.1L) 12V (GM) Vin Z CPC			1991-94 V6 BORE - 3.50"/88.9mm
Valve	Exh	1991-94	10-1480	1.425 Head Dia. 0.3413 Stem. 4.736 OAL. Cast Iron Head
	Exh	1991-94	10-1480+15	1.425 Head Dia. 0.3563 Stem. 4.736 OAL.
	Exh	1991-94	10-1480+3	1.425 Head Dia. 0.3443 Stem. 4.736 OAL.
	Int	1991-94	10-1481	1.718 Head Dia. 0.3412 Stem. 4.705 OAL. Cast Iron Head
	Int	1991-94	10-1481+15	1.718 Head Dia. 0.3562 Stem. 4.705 OAL.
	Int	1991-94	10-1481+3	1.718 Head Dia. 0.3442 Stem. 4.705 OAL.
Valve Seat Insert	Exh	1991-94	20-1500-1	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.
	Int	1991-94	20-1812-4	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Int	1991-94	20-1812-4N	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
Guide	Both	1991-94	30-8112	2.085 OAL. Aluminum Head. w/ Snap Ring. +2 O/S Avail.
	Both	1991-94	30-9560	2.000 OAL. Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1991-94	32-1268	2.110 Free Length.
Keeper	Both	1991-94	34-555	1 Square Groove. Heat Treated.
Lifter	Both	1991-94	36-2095	Hydraulic
Valve Stem Seal	Both	1992-94	38-830-45	Viton. Ring And Band.
	Int	1991-91	38-827-45	Viton. Metal Clad.
Rocker Kit	Both	1991-94	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball
Rocker Component	Both	1991-94	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut
Push Rod	Both	1991-94	74-6342	6.163 Length
LINE 22	3165cc (3.2L) SOHC 24V 6VD1, V			1992-97 V6 BORE - 3.60"/91.4mm
Valve	Exh	1992-97	10-10503	1.181 Head Dia.
	Int	1992-97	10-10502	1.339 Head Dia. 0.2348 Stem
Valve Seat Insert	Exh	1992-97	21-1312-66	1.020T I.D. 1-5/16 O.D. 0.258 Depth
	Int	1992-97	21-1437-67	1.180T I.D. 1-7/16 O.D. 0.255 Depth.
Guide	Both	1992-97	30-8255	1.775 OAL
Lifter	Both	1992-97	36-2254	Hydraulic
Valve Stem Seal	Both	1992-97	38-520-45	Viton. Metal Clad.
LINE 23	3165cc (3.2L) DOHC 24V 6VD1W,2			1992-04 V6 BORE - 3.60"/91.4mm
Valve	Exh	1998-04	10-10740	1.142 Head Dia.
	Int	1998-04	10-10739	1.338 Head Dia.
Valve Seat Insert	Exh	1992-95	21-1312-66	1.020T I.D. 1-5/16 O.D. 0.258 Depth
	Int	1992-95	21-1437-67	1.180T I.D. 1-7/16 O.D. 0.255 Depth.
Guide	Both	1992-04	30-8255	1.775 OAL.
Lifter	Both	1998-04	36-2291	Hydraulic Bucket
Valve Stem Seal	Both	1992-95	38-520-45	Viton. Metal Clad.
LINE 24	3460cc (3.5L) DOHC 20V Vin 6 (GM Vortec)			2006-06 L5 BORE - 3.66"/92.9mm
Valve	Exh	2006-06	10-1999	1.201 Head Dia. 0.2343 Stem
	Int	2006-06	10-1998	1.457 Head Dia. 0.2347 Stem
Guide	Both	2006-06	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 24	3460cc (3.5L) DOHC 20V Vin 6 (GM Vortec)			2006-06 L5	BORE - 3.66"/92.9mm
Spring	Both	2006-06	32-04051	1.770 Free Length	
Keeper	Both	2006-06	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2006-06	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2006-06	38-354-45	Viton. Top Hat.	
LINE 25	3491cc (3.5L) DOHC 24V 6VE1 Vin X, Y			1998-04 V6	BORE - 3.68"/93.5mm
Valve	Exh	1998-04	10-10740	1.142 Head Dia.	
	Int	1998-04	10-10739	1.338 Head Dia.	
Guide	Both	1998-04	30-8255	1.775 OAL. I.D. Must Be Reamed To Size.	
Lifter	Both	1998-04	36-2291	Hydraulic Bucket	
Valve Stem Seal	Both	1998-04	38-520-45	Viton. Metal Clad.	
LINE 26	3651cc (3.7L) DOHC 20V Vin E (GM)			2007-08 L5	BORE - 3.75"/95.3mm
Valve	Exh	2007-08	10-13046	1.323 Head Dia.	
	Int	2007-08	10-13179	1.525 Head Dia.	
Guide	Both	2007-08	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2007-08	32-5001	1.729 Free Length. Conical	
Keeper	Both	2007-08	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2007-08	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-08	38-6995-45	Viton. Top Hat.	
LINE 27	3.9L 4BD1T, 4BD2T Diesel 8V			L4	BORE - 4.02"/102.1mm
Valve	Exh		10-10726	1.476 Head Dia. OEM # 8943331140	
	Exh		10-10728S	1.476 Head Dia. Stellite. OEM # 8970850662	
	Int		10-10725	1.772 Head Dia. OEM # 1125510500	
Valve Seat Insert	Exh		20-1562-46N	1-1/4 I.D. 1-9/16 O.D. 9/32 Depth. Alternate Universal Oversize. Nickel	
	Exh		22-1539-2	1.297T I.D. 1.5395 O.D. 0.276 Depth. OEM # 9117118030	
	Exh		22-1542-1	1.270 I.D. 1.542 O.D. 0.277 Depth. OEM # 8117118030	
	Int		22-1854-1	1.610T I.D. 1.8545 O.D. 0.277 Depth	
	Int		22-1857-4	1.543 I.D. 1.857 O.D. 0.2827 Depth. OEM # 5117156070	
Guide	Both		30-3298	2.369 OAL. OEM # 5117210010	
Valve Stem Seal	Both		38-7120-45	Viton. Metal Clad. OEM # 1125690150	
LINE 28	256 C.I. (4.2L) DOHC 24V (GM Vortec) Vin S			2003-08 L6	BORE - 3.66"/92.9mm
Valve	Exh	2007-08	10-13046	1.323 Head Dia. 0.2343 Stem	
	Exh	2003-06	10-1999	1.201 Head Dia. 0.2343 Stem	
	Int	2007-08	10-13179	1.525 Head Dia. 0.2347 Stem	
	Int	2003-06	10-1998	1.457 Head Dia. 0.2347 Stem	
Guide	Both	2003-08	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2003-06	32-04051	1.770 Free Length	
	Both	2007-08	32-5001	1.729 Free Length. Conical	
Keeper	Both	2003-08	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2003-08	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2003-06	38-354-45	Viton. Top Hat.	
	Both	2007-08	38-6995-45	Viton. Top Hat.	
Rocker Component	Both	2003-08	40-3901	Rocker Arm	
Retainer	Both	2007-08	55-6735	Chrome Moly. 0.735 O.D. 0.235 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 28	**256 C.I. (4.2L) DOHC 24V (GM Vortec) Vin S**			**2003-08 L6**	**BORE - 3.66"/92.9mm**
Retainer	Both	2003-06	**55-7712**	0.980 O.D. 0.235 Stem	
LINE 29	**262 C.I. (4.3L) (GM) Vin W, X (LB4, LF6)**			**1997-00 V6**	**BORE - 4.00"/101.6mm**
Valve	Exh	1997-00	**10-1807**	1.500 Head Dia. 4.920 OAL. 1 Groove. OEM # 10168594 or 12550909	
	Int	1997-00	**10-1931**	1.940 Head Dia. OEM # 10241742 and 10241743	
Spring	Both	1997-00	**32-880-D**	2.030 Free Length	
Keeper	Both	1997-00	**34-555**	1 Square Groove. Heat Treated	
Rocker Component	Both	1997-00	**40-2736**	Rocker Arm, SBC 1.5 Self-Aligning Stamped	
LINE 30	**4.6L 4HG1T SOHC Dir. Inj. 8V D TRB**			**L4**	**BORE - 4.41"/112.0mm**
Valve	Exh		**10-30156**	1.653 Head Dia. 0.348 Stem. OEM # 8971713990	
	Int		**10-30155**	1.982 Head Dia. 0.351 Stem. OEM # 8971713980	
Valve Seat Insert	Exh		**22-1698-1**	1.452 I.D. 1.698 O.D. OEM # 8943941270	
	Int		**22-2052-2**	1.805 I.D. 2.052 O.D. OEM # 8943941270	
Guide	Both		**30-3299**	2.357 OAL. 0.355 I.D. 0.553 O.D. OEM # 8943965980	
Valve Stem Seal	Both		**38-7003-55**	Viton. Metal Clad. OEM # 8943966092	
LINE 31	**290 C.I. (4.8L) SOHC 8V 4HE1 Turbo Diesel Dir. Inj.**			**1998-04 L4**	**BORE - 4.33"/110.6mm**
Valve Seat Insert	Exh	1998-04	**22-1697-1**	1.450T I.D. 1.697 O.D. 0.276 Depth. OEM # 8943961720	
	Int	1998-04	**22-1894-1**	1.570T I.D. 1.894 O.D. 0.292 Depth. OEM # 8943944620	
	Int	1998-04	**22-2013-1**	1.770T I.D. 2.013 O.D. 0.288 Depth. OEM # 8970884600	
Guide	Both	1998-04	**30-3054**	0.3547 I.D. 2.365 OAL OEM 8943965980	
Valve Stem Seal	Both	1998-04	**38-6115-55**	Viton. Top Hat. OEM # 8943966092	
LINE 32	**5193cc (5.2L) SOHC 4HK1 16V Diesel**			**2006-23 L4**	**BORE - 4.53"/115.1mm**
Valve	Exh	2006-10	**10-13122**	1.456 Head Dia. 0.312 Stem. 5.134 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8972098763	
	Exh	2011-20	**10-13464**	1.456 Head Dia. 0.3120 Stem Dia. 5.520 OAL. OEM # 8981583761	
	Int	2006-10	**10-13121**	1.457 Head Dia. 0.313 Stem. 5.140 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8943958822	
	Int	2011-20	**10-13463**	1.457 Head Dia. 0.3130 Stem Dia. 5.530 OAL. OEM # 8980388700	
Guide	Both	2006-20	**30-3101**	2.245 OAL. 0.3150 I.D. 0.5526 O.D. OEM # 8943907800	
Spring	Both	2006-20	**32-6570**	2.386 Free Length.	
Valve Stem Seal	Both	2006-20	**38-7002-55**	Viton. Metal Clad. OEM # 8973767200	
Injector Component	Both	2006-20	**87-4620**	Injector Tube, Brass. OEM # 8980184620	
LINE 33	**5328cc (5.3L) OHV 16V (GM Vortec) Vin C,M,P**			**2003-06 V8**	**BORE - 3.78"/96.0mm**
Valve	Exh	2003-06	**10-1935**	1.550 Head Dia.	
	Exh	2003-06	**10-1935S**	1.550 Head Dia. Stellite Seat Face LPG	
	Int	2005-06	**10-13244**	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. SG. Nitrided	
	Int	2003-04	**10-1934**	1.890 Head Dia.	
Valve Seat Insert	Exh	2003-06	**21-1625-64**	1.335T I.D. 1-5/8 O.D. 0.420 Depth	
	Exh	2003-06	**21-1625-64N**	1.335T I.D. 1-5/8 O.D. 0.4200 Depth. LPG	
	Int	2003-06	**21-2062-50**	1.750 I.D. 2-1/16 O.D. 0.420 Depth	
Spring	Both	2005-06	**32-04046**	2.126 Free Length. Conical. Ovate.	
	Both	2003-06	**32-2500**	2.090 Free Length. Conical. Round wire	
Keeper	Both	2003-06	**34-5005**	0.314 Stem. Round Bead in Middle.	
Lifter	Both	2003-06	**36-2148**	Hydraulic Roller. Rotate Oil Hole Up To Install	
	Both	2003-06	**36-2148G**	Lifter Guide, Dogbone Type	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 33	5328cc (5.3L) OHV 16V (GM Vortec) Vin C,M,P			2003-06 V8 BORE - 3.78"/96.0mm
Valve Stem Seal	Exh	2003-06	38-901-45	Viton. Top Hat
	Int	2003-06	38-900-45	Viton. Top Hat
Retainer	Both	2003-04	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem.
Push Rod	Both	2003-06	74-6614	7.397 Length
LINE 34	5.8L 6BD1T, 6BD2T Vin N, Diesel 12V			L6 BORE - 4.02"/102.1mm
Valve	Exh		10-10726	1.476 Head Dia. OEM # 8943331140
	Exh		10-10728S	1.476 Head Dia. Stellite. OEM # 8970850662
	Int		10-10725	1.772 Head Dia. OEM # 1125510500
Valve Seat Insert	Exh		20-1562-46N	1-1/4 I.D. 1-9/16 O.D. 9/32 Depth. Alternate Universal Oversize. Nickel
	Exh		22-1539-2	1.297T I.D. 1.5395 O.D. 0.276 Depth. OEM # 9117118030
	Exh		22-1542-1	1.270 I.D. 1.542 O.D. 0.277 Depth. OEM # 8117118030
	Int		22-1854-1	1.610T I.D. 1.8545 O.D. 0.277 Depth
	Int		22-1857-4	1.543 I.D. 1.8573 O.D. 0.2827 Depth. OEM # 5117156070
Guide	Both		30-3298	2.369 OAL. OEM # 5117210010
Valve Stem Seal	Both		38-7120-45	Viton. Metal Clad. OEM # 1125690150
LINE 35	5967cc (6.0L) OHV 16V Vortec (GM)			2003-24 V8 BORE - 4.06"/103.1mm
Valve	Exh	2007-15	10-13042	1.591 Head Dia. 0.3136 Stem.
	Exh	2012-19	10-13241S	1.589 Head Dia. Stellite.
	Exh	2012-19	10-13440	1.587 Head Dia. 0.3136 Stem. Inconel
	Exh	2003-12	10-1935	1.550 Head Dia.
	Exh	2003-12	10-1935S	1.550 Head Dia Stellite Seat Face LPG
	Int	2012-19	10-13240	2.165 Head Dia. 0.3135 Stem. 4.870 OAL. Nitrided
	Int	2003-12	10-2267	2.000 Head Dia. 4.869 OAL. 0.314 Stem.
Valve Seat Insert	Exh	2003-12	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth
	Int	2003-12	21-2062-51	1.750T I.D. 2-1/16 O.D. 0.390 Depth
	Int	2012-19	21-2250-50	1-7/8 I.D. 2-1/4 O.D. 0.375 Depth.
	Exh	2007-19	22-1634-3	1.360T I.D. 1.634 O.D. 0.300 Depth
Guide	Both	2003-19	30-3053	2.115 OAL. 0.3154 I.D. 0.500 O.D.
Spring	Both	2003-19	32-2500	2.090 Free Length. Conical. Round wire
Keeper	Both	2003-19	34-5005	0.314 Stem. Round Bead in Middle.
Lifter	Both	2003-19	36-2148	Hydraulic Roller. Rotate Oil Hole Up to Install
	Both	2003-19	36-2148G	Lifter Guide, Dogbone Type
Valve Stem Seal	Exh	2003-19	38-901-45	Viton. Top Hat
	Int	2003-19	38-900-45	Viton. Top Hat
Rocker Component	Both	2003-19	40-2902	Rocker Arm, HP Caged Bearings LS1 Both LS3 Exh Straight
	Both	2003-19	40-2903	Rocker Arm, HP Caged Bearings Offset LS3 Int
Retainer	Both	2003-19	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem
Push Rod	Both	2003-19	74-6614	7.397 Length
LINE 36	435 C.I. (7.1L) SOHC 12V 6HE1 Turbo Diesel Dir. Inj.			1995-98 L6 BORE - 4.22"/107.2mm
Valve Seat Insert	Exh	1995-98	22-1697-1	1.450T I.D. 1.697 O.D. 0.276 Depth. OEM # 8943961720
	Int	1995-98	22-1894-1	1.570T I.D. 1.894 O.D. 0.292 Depth. OEM # 8943944620
	Int	1995-98	22-2013-1	1.770T I.D. 2.013 O.D. 0.288 Depth. OEM # 8970884600
Guide	Both	1995-98	30-3054	0.3547 I.D. 2.365 OAL OEM# 8943965980
Valve Stem Seal	Both	1995-98	38-6115-55	Viton. Top Hat. OEM # 8943966092

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 37	7780cc (7.8L) SOHC 6HK1 24V Diesel			1998-11 L6	BORE - 4.53"/115.1mm
Valve	Exh	1998-11	**10-13122**	1.456 Head Dia. 0.312 Stem. 5.134 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8972098763	
	Int	1998-11	**10-13121**	1.457 Head Dia. 0.313 Stem. 5.140 OAL. FSR, FTR, FVR (Mexico Elf 400-600). OEM # 8943958822	
Valve Seat Insert	Exh	1998-11	**22-1502-2**	1.232 I.D. 1.502 O.D. 0.2569 Depth. OEM # 8972165110	
	Int	1998-11	**22-1502-1**	1.224 I.D. 1.502 O.D. 0.2378 Depth. OEM # 8943958880	
Guide	Both	1998-11	**30-3101**	2.245 OAL. 0.3150 I.D. 0.5526 O.D. OEM # 8943907800	
Valve Stem Seal	Both	1998-11	**38-7002-55**	Viton. Metal Clad. OEM # 8973767200	
Injector Component		1998-11	**87-4620**	Injector Tube, Brass. OEM # 8980184620	

ENGINE	YEAR	CYL.	LINE NO.
2967cc (3.0L) DOHC 24V VVT	2000-08	V6	**1**
2995cc (3.0L) DOHC 24V S/C	2014-19	V6	**2**
3590cc (3.6L) DOHC 24V	1987-89	L6	**3**
3781cc (3.8L) DOHC	1959-67	L6	**4**
3980cc (4.0L) DOHC 24V	1990-03	L6	**5**
4235cc (4.2L) DOHC 12V Vin 2,3,N	1964-87	L6	**6**
5000cc (5.0L) DOHC Gas 32V Vin E	2010-22	V8	**7**
5343cc (5.3L) SOHC Vin 0, 8, V, X	1971-92	V12	**8**
5990cc (6.0L) SOHC	1994-96	V12	**9**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**2967cc (3.0L) DOHC 24V VVT**				**2000-08 V6 BORE - 3.50"/88.9mm**
Guide	Both	2000-08	**30-3028**	1.455 OAL. 0.2175 I.D.	
Keeper	Both	2000-08	**34-5023**	1 Round Bead. 0.215 Stem	
LINE 2	**2995cc (3.0L) DOHC 24V S/C**				**2014-19 V6 BORE - 3.33"/84.6mm**
Keeper	Both	2014-19	**34-5024**	1 Round Bead. 0.216 Stem	
LINE 3	**3590cc (3.6L) DOHC 24V**				**1987-89 L6 BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1987-89	**21-1375-59**	1.050T I.D. 1-3/8 O.D. 0.275 Depth	
	Int	1987-89	**21-1500-76**	1.215T I.D. 1-1/2 O.D. 0.275 Depth	
LINE 4	**3781cc (3.8L) DOHC**				**1959-67 L6 BORE - 3.40"/86.4mm**
Valve Seat Insert	Exh	1959-67	**21-1750-67**	1.380T I.D. 1-3/4 O.D. 0.382 Depth	
LINE 5	**3980cc (4.0L) DOHC 24V**				**1990-03 L6 BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1990-95	**21-1375-59**	1.050T I.D. 1-3/8 O.D. 0.275 Depth	
	Int	1990-95	**21-1500-76**	1.215T I.D. 1-1/2 O.D. 0.275 Depth	
LINE 6	**4235cc (4.2L) DOHC 12V Vin 2,3,N**				**1964-87 L6 BORE - 3.60"/91.4mm**
Valve Seat Insert	Exh	1964-87	**21-1750-67**	1.380T I.D. 1-3/4 O.D. 0.382 Depth	
LINE 7	**5000cc (5.0L) DOHC Gas 32V Vin E**				**2010-22 V8 BORE - 3.64"/92.5mm**
Keeper	Both	2010-22	**34-5024**	1 Round Bead. 0.216 Stem	
LINE 8	**5343cc (5.3L) SOHC Vin 0, 8, V, X**				**1971-92 V12 BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1971-81	**21-1500-71**	1.240 I.D. 1-1/2 O.D. 0.317 Depth.	
	Int	1971-92	**21-1750-63**	1.410T I.D. 1-3/4 O.D. 0.315 Depth	
LINE 9	**5990cc (6.0L) SOHC**				**1994-96 V12 BORE - 3.54"/89.9mm**
Valve Seat Insert	Int	1994-95	**21-1750-63**	1.410T I.D. 1-3/4 O.D. 0.315 Depth	

ENGINE	YEAR	CYL.	LINE NO.
1493cc (1.5L) DOHC 16V A5D DC	2001-02	L4	**1**
1580cc (1.6L) DOHC 16V	2017-25	L4	**2**
1591cc (1.6L) DOHC 16V Vin 1,3,5,C G4FJ TRB	2010-24	L4	**3**
1594cc (1.6L) DOHC 16V A6D	2003-05	L4	**4**
1595cc (1.6L) DOHC 16V (Hyundai) Vin 3	2006-11	L4	**5**
1597cc (1.6L) SOHC 16V (Mazda) B6 16V Vin 1	1993-95	L4	**6**
1597cc (1.6L) DOHC 16V (Mazda) B6ZE Vin 3,4	1995-97	L4	**7**
1598cc (1.6L) DOHC 16V Vin G,H	2020-25	L4	**8**
1599cc (1.6L) DOHC 16V	2006-11	L4	**9**
1793cc (1.8L) DOHC 16V Vin 1 T8D 5BP	1998-04	L4	**10**
1797cc (1.8L) DOHC 16V	2014-16	L4	**11**
1839cc (1.8L) DOHC 16V (Mazda) BPD Vin 5	1995-97	L4	**12**
1975cc (2.0L) DOHC 16V G4GF (Hyundai) Vin1,2	2005-11	L4	**13**
1998cc (2.0L) SOHC 8V Vin 1,2 8V	1995-96	L4	**14**
1998cc (2.0L) DOHC 16V Theta	2010-22	L4	**15**
1998cc (2.0L) DOHC 16V (Mazda) FE Vin 3	1995-02	L4	**16**
1999cc (2.0L) DOHC 16V Nu	2012-24	L4	**17**
2351cc (2.4L) DOHC 16V Vin 6 G4JS (Hyundai)	2001-06	L4	**18**
2359cc (2.4L) DOHC 16V Theta (HYU)	2006-22	L4	**19**
2497cc (2.5L) DOHC 16V Vin 7,8,C,F	2021-25	L4	**20**
2500cc (2.5L) DOHC G6BV 24V	2001-01	V6	**21**
2656cc (2.7L) DOHC 24V (Hyundai) G6BA	2002-12	V6	**22**
3342cc (3.3L) DOHC 24V (Hyundai) Vin 1,7	2008-23	V6	**23**
3470cc (3.5L) DOHC 24V Vin 2,3,7	2011-14	V6	**24**
3497cc (3.5L) DOHC 24V 6GCU Vin1 (Hyundai)	2002-06	V6	**25**
3778cc (3.8L) DOHC 24V (Hyundai)	2006-24	V6	**26**
4627cc (4.6L) DOHC 32V	2009-11	V8	**27**
5038cc (5.0L) DOHC 32V TAU	2015-17	V8	**28**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1493cc (1.5L) DOHC 16V A5D DC**				**2001-02 L4 BORE - 2.97"/75.4mm**
Valve	Exh	2001-02	**10-2195**	0.980 Head Dia.	
	Int	2001-02	**10-2194**	1.095 Head Dia.	
Guide	Both	2001-02	**30-3129**	1.660 OAL 0.3760 O.D. 0.2167 I.D.	
Keeper	Both	2001-02	**34-5023**	1 Round Bead. 0.215 Stem	
Lifter	Both	2001-02	**36-2276**	Hydraulic Bucket	
Valve Stem Seal	Both	2001-02	**38-53-45**	Viton. Metal Clad.	
LINE 2	**1580cc (1.6L) DOHC 16V**				**2017-25 L4 BORE - 2.83"/71.9mm**
Keeper	Both	2017-25	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
LINE 3	**1591cc (1.6L) DOHC 16V Vin 1,3,5,C G4FJ TRB**				**2010-24 L4 BORE - 3.01"/76.5mm**
Valve	Exh	2010-24	**10-30101**	1.024 Head Dia. 0.215 Stem. 3.646 OAL	
	Int	2010-24	**10-30100**	1.240 Head Dia. 0.215 Stem. 3.669 OAL	
Spring	Both	2012-24	**32-2280**	1.768 Free Length. Conical.	
Keeper	Both	2010-24	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
LINE 4	**1594cc (1.6L) DOHC 16V A6D**				**2003-05 L4 BORE - 3.07"/78.0mm**
Valve	Exh	2003-05	**10-13039**	1.015 Head Dia.	
	Int	2003-05	**10-13038**	1.150 Head Dia. 0.2154 Stem. 3.783 OAL	
Valve Seat Insert	Exh	2003-05	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	2003-05	**21-1250-61**	0.976 I.D. 1-1/4 O.D. 0.180 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	1594cc (1.6L) DOHC 16V A6D			2003-05 L4	BORE - 3.07"/78.0mm
Guide	Both	2003-05	30-3129	1.660 OAL 0.3760 O.D. 0.2167 I.D.	
Keeper	Both	2003-05	34-5023	1 Round Bead. 0.215 Stem	
Lifter	Both	2003-05	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	2003-05	38-53-45	Viton. Metal Clad.	
LINE 5	1595cc (1.6L) DOHC 16V (Hyundai) Vin 3			2006-11 L4	BORE - 3.01"/76.5mm
Valve	Exh	2006-11	10-10813	0.984 Head Dia. 0.234 Stem.	
	Int	2006-11	10-3065	1.146 Head Dia. 0.236 Stem.	
Guide	Both	2006-11	30-8147	1.520 OAL. 0.436 O.D.	
Keeper	Both	2006-11	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	2006-11	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	2006-11	38-553-55	Viton. Metal Clad.	
LINE 6	1597cc (1.6L) SOHC 16V (Mazda) B6 16V Vin 1			1993-95 L4	BORE - 3.07"/78.0mm
Valve	Exh	1993-95	10-10513	0.927 Head Dia.	
	Int	1993-95	10-10512	1.161 Head Dia.	
Guide	Both	1993-95	30-8173	1.775 OAL. Incl. Lock Ring	
Lifter	Both	1993-95	36-2254	Hydraulic	
Valve Stem Seal	Both	1993-95	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1993-95	97-0222	Steel Kit.	
		1993-95	97-0222B	Brass Kit.	
LINE 7	1597cc (1.6L) DOHC 16V (Mazda) B6ZE Vin 3,4			1995-97 L4	BORE - 3.07"/78.0mm
Valve	Int	1995-97	10-10157	1.220 Head Dia. 0.2354 Stem	
Valve Seat Insert	Exh	1995-97	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	1995-97	21-1250-61	0.976 I.D. 1-1/4 O.D. 0.180 Depth	
Guide	Exh	1996-97	30-8186	1.920 OAL. Incl. Lock Ring	
	Int	1996-97	30-8187	1.920 OAL. Incl. Lock Ring. Tapered End	
Lifter	Both	1995-97	36-2276	Hydraulic	
Valve Stem Seal	Both	1995-97	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1995-97	97-0222	Steel Kit.	
		1995-97	97-0222B	Brass Kit.	
LINE 8	1598cc (1.6L) DOHC 16V Vin G,H			2020-25 L4	BORE - 2.98"/75.7mm
Valve	Int	2020-20	10-30100	1.240 Head Dia. 0.215 Stem	
Spring	Both	2020-20	32-2280	1.768 Free Length. Conical.	
Keeper	Both	2020-25	34-5008	1 Round Bead. 0.215 Stem Dia.	
LINE 9	1599cc (1.6L) DOHC 16V			2006-11 L4	BORE - 3.01"/76.5mm
Valve	Exh	2006-11	10-10813	0.984 Head Dia. 0.234 Stem.	
	Int	2006-11	10-3065	1.146 Head Dia. 0.236 Stem.	
Spring	Both	2006-11	32-2278	1.716 Free Length.	
LINE 10	1793cc (1.8L) DOHC 16V Vin 1 T8D 5BP			1998-04 L4	BORE - 3.29"/83.6mm
Valve	Exh	1998-04	10-2197	1.063 Head Dia.	
	Int	1998-04	10-2196	1.240 Head Dia.	
Guide	Both	1998-04	30-8173	1.775 OAL. 0.436 O.D.	
Lifter	Both	1998-04	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	1998-04	38-998-45	Viton. Metal Clad. 0.236 Stem.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 11	1797cc (1.8L) DOHC 16V			2014-16 L4	BORE - 3.19"/81.0mm
Valve	Exh	2014-16	10-30105	1.064 Head Dia. 0.215 Stem	
	Int	2014-16	10-30104	1.299 Head Dia. 0.215 Stem	
Spring	Exh	2014-16	32-2511	1.810 Free Length	
Keeper	Both	2014-16	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2014-16	36-2091	Hydraulic	
Valve Stem Seal	Both	2014-16	38-6101-55	Viton. Top Hat	
LINE 12	1839cc (1.8L) DOHC 16V (Mazda) BPD Vin 5			1995-97 L4	BORE - 3.29"/83.6mm
Valve	Exh	1995-97	10-10235	1.103 Head Dia. 3.997 OAL	
Valve Seat Insert	Exh	1995-97	21-1250-56	0.905T I.D. 1-1/4 O.D. 0.230 Depth.	
	Int	1995-97	21-1437-74	1.162 I.D. 1-7/16 O.D. 0.230 Depth.	
Guide	Both	1995-97	30-8173	1.775 OAL. Incl. Lock Ring	
	Exh	1995-97	30-8174	1.808 OAL. 0.436 O.D. Incl. Lock Ring	
Lifter	Both	1995-97	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	1995-97	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1995-97	97-144	Steel Kit.	
		1995-97	97-144B	Brass Kit.	
LINE 13	1975cc (2.0L) DOHC 16V G4GF (Hyundai) Vin1,2			2005-11 L4	BORE - 3.23"/82mm
Valve	Exh	2005-11	10-10817	1.081 Head Dia.	
	Int	2005-11	10-10816	1.257 Head Dia.	
Guide	Exh	2005-11	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	2005-11	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	2005-11	34-5028	1 Round Bead. 0.235 Stem	
Lifter	Both	2005-11	36-7090	Hydraulic	
Valve Stem Seal	Both	2005-11	38-553-55	Viton. Metal Clad.	
LINE 14	1998cc (2.0L) SOHC 8V Vin 1,2 8V			1995-96 L4	BORE - 3.39"/86.1mm
Valve	Exh	1995-96	10-10237	1.417 Head Dia.	
	Int	1995-96	10-10236	1.732 Head Dia.	
Valve Seat Insert	Int	1995-96	21-1812-50	1.490T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1995-96	30-8172	2.177 OAL. +2 O/S Avail. Incl. Lock Ring	
Spring	Both	1995-96	32-1368	1.720 Free Length. Inner	
Valve Stem Seal	Both	1995-96	38-966-55	Viton. Metal Clad.	
LINE 15	1998cc (2.0L) DOHC 16V Theta			2010-22 L4	BORE - 3.39"/86.1mm
Valve	Exh	2010-15	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	2010-22	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Both	2010-22	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2010-22	34-5008	1 Round Groove. 0.215 Stem Dia.	
Valve Stem Seal	Both	2010-22	38-6101-55	Viton. Top Hat.	
LINE 16	1998cc (2.0L) DOHC 16V (Mazda) FE Vin 3			1995-02 L4	BORE - 3.39"/86.1mm
Valve	Exh	1995-02	10-10815	1.140 Head Dia.	
Guide	Exh	1995-02	30-8174	1.808 OAL. 0.436 O.D. Incl. Lock Ring	
	Int	1995-02	30-8187	1.920 OAL. Incl. Lock Ring. Tapered End	
Valve Stem Seal	Both	1995-02	38-998-45	Viton. Metal Clad. 0.236 Stem.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 17	**1999cc (2.0L) DOHC 16V Nu**				**2012-24 L4 BORE - 3.39"/86.1mm**
Valve	Exh	2012-23	**10-30105**	1.064 Head Dia. 0.215 Stem	
	Int	2012-23	**10-30104**	1.299 Head Dia. 0.215 Stem	
Spring	Exh	2012-23	**32-2511**	1.810 Free Length	
Keeper	Both	2012-24	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2012-16	**36-2091**	Hydraulic	
Valve Stem Seal	Both	2012-24	**38-6101-55**	Viton. Top Hat	
LINE 18	**2351cc (2.4L) DOHC 16V Vin 6 G4JS (Hyundai)**				**2001-06 L4 BORE - 3.41"/86.5mm**
Valve	Exh	2001-06	**10-10128**	1.201 Head Dia.	
	Int	2001-06	**10-10126**	1.339 Head Dia.	
Guide	Exh	2001-06	**30-8194**	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	2001-06	**30-8193**	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	2001-06	**36-2274**	Hydraulic	
Valve Stem Seal	Both	2001-06	**38-996-55**	Viton. Metal Clad.	
LINE 19	**2359cc (2.4L) DOHC 16V Theta (HYU)**				**2006-22 L4 BORE - 3.46"/87.9mm**
Valve	Exh	2006-22	**10-13191**	1.148 Head Dia. 0.215 Stem	
	Int	2006-22	**10-13190**	1.378 Head Dia. 0.215 Stem	
Guide	Both	2006-22	**30-3154**	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2006-22	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2006-10	**36-7108**	Hydraulic	
Valve Stem Seal	Both	2006-22	**38-6101-55**	Viton. Top Hat.	
LINE 20	**2497cc (2.5L) DOHC 16V Vin 7,8,C,F**				**2021-25 L4 BORE - 3.48"/88.4mm**
Keeper	Both	2021-24	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
LINE 21	**2500cc (2.5L) DOHC G6BV 24V**				**2001-01 V6 BORE - 3.15"/80.0mm**
Valve	Exh	2001-01	**10-10809**	1.083 Head Dia.	
	Int	2001-01	**10-10808**	1.260 Head Dia.	
Guide	Exh	2001-01	**30-8573**	2.200 OAL. 0.2765 I.D. 0.4955 O.D.	
	Int	2001-01	**30-8572**	1.690 OAL 0.236 I.D. 0.436 O.D.	
Keeper	Both	2001-01	**34-5028**	1 Round Bead. 0.235 Stem	
Lifter	Both	2001-01	**36-2276**	Hydraulic Bucket	
	Both	2001-01	**36-2289**	Hydraulic Bucket	
Valve Stem Seal	Both	2001-01	**38-553-55**	Viton. Metal Clad.	
LINE 22	**2656cc (2.7L) DOHC 24V (Hyundai) G6BA**				**2002-12 V6 BORE - 3.41"/86.5mm**
Valve	Exh	2002-10	**10-10809**	1.083 Head Dia. Exc. 07-08 Optima, Rondo	
	Int	2002-10	**10-10808**	1.260 Head Dia. Exc. 07-08 Optima, Rondo	
Guide	Exh	2002-10	**30-8573**	1.540 OAL 0.436 O.D. 0.236 I.D.	
	Int	2002-10	**30-8572**	1.690 OAL 0.236 I.D. 0.436 O.D.	
Keeper	Both	2002-10	**34-5028**	1 Round Bead. 0.235 Stem	
Lifter	Both	2002-10	**36-2276**	Hydraulic Bucket. Exc. 07-08 Optima, Rondo	
Valve Stem Seal	Both	2002-10	**38-553-55**	Viton. Metal Clad.	
LINE 23	**3342cc (3.3L) DOHC 24V (Hyundai) Vin 1,7**				**2008-23 V6 BORE - 3.62"/91.9mm**
Valve	Exh	2008-23	**10-13287**	1.220 Head Dia. 0.215 Stem	
	Int	2008-23	**10-13286**	1.413 Head Dia. 0.215 Stem	
Guide	Int	2008-23	**30-3152**	1.655 OAL. 0.2168 I.D. 0.4348 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 23	3342cc (3.3L) DOHC 24V (Hyundai) Vin 1,7			2008-23 V6	BORE - 3.62"/91.9mm
Spring	Both	2008-23	32-2286	1.788 Free Length. Conical	
Keeper	Both	2008-23	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2008-23	36-7107	Hydraulic	
Valve Stem Seal	Both	2008-23	38-6103-55	Viton. Metal Clad. 0.215 Stem	
LINE 24	3470cc (3.5L) DOHC 24V Vin 2,3,7			2011-14 V6	BORE - 3.62"/91.9mm
Valve	Exh	2011-14	10-13287	1.220 Head Dia. 0.215 Stem	
	Int	2011-14	10-13286	1.415 Head Dia. 0.215 Stem	
Guide	Both	2011-14	30-3152	1.655 OAL. 0.2168 I.D. 0.4348 O.D.	
Spring	Both	2011-14	32-2286	1.788 Free Length. Conical	
Keeper	Both	2011-14	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2011-14	38-6103-55	Viton. Metal Clad. 0.215 Stem	
LINE 25	3497cc (3.5L) DOHC 24V 6GCU Vin1 (Hyundai)			2002-06 V6	BORE - 3.66"/93.0mm
Valve	Exh	2002-06	10-10501	1.199 Head Dia. 0.2576 Stem	
	Int	2002-06	10-10500	1.380 Head Dia. 0.2588 Stem	
Guide	Exh	2002-06	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	2002-06	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	2002-06	36-2274	Hydraulic	
Valve Stem Seal	Both	2002-06	38-996-55	Viton. Metal Clad.	
LINE 26	3778cc (3.8L) DOHC 24V (Hyundai)			2006-24 V6	BORE - 3.78"/96.0mm
Valve	Exh	2006-24	10-13287	1.220 Head Dia. 0.215 Stem	
	Int	2006-24	10-13286	1.413 Head Dia. 0.215 Stem	
Guide	Int	2006-24	30-3152	1.655 OAL. 0.2168 I.D. 0.4348 O.D.	
Spring	Both	2006-16	32-2286	1.788 Free Length. Conical	
Keeper	Both	2006-24	34-5008	1 Round Bead. 0.215 Stem Dia.	
Lifter	Both	2006-24	36-7107	Hydraulic	
Valve Stem Seal	Both	2006-24	38-6103-55	Viton. Metal Clad	
LINE 27	4627cc (4.6L) DOHC 32V			2009-11 V8	BORE - 3.62"/91.9mm
Valve	Exh	2009-11	10-10570	1.220 Head Dia. 0.235 Stem	
	Int	2009-11	10-10569	1.495 Head Dia. 0.235 Stem	
Lifter	Both	2009-11	36-2090	Hydraulic	
LINE 28	5038cc (5.0L) DOHC 32V TAU			2015-17 V8	BORE - 3.78"/96.0mm
Valve	Exh	2015-17	10-10570	1.220 Head Dia. 0.235 Stem	
	Int	2015-17	10-10569	1.495 Head Dia. 0.235 Stem	

ENGINE	YEAR	CYL.	LINE NO.
1999cc (2.0L) DOHC 16V TRB (Ford) Vin G,H	2012-17	L4	**1**
2995cc (3.0L) DOHC 24V S/C Vin P,V	2014-19	V6	**2**
4009cc (4.0L) SOHC 12V Vin 4	2005-09	V6	**3**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1999cc (2.0L) DOHC 16V TRB (Ford) Vin G,H**				**2012-17 L4 BORE - 3.44"/87.4mm**
Valve	Exh	2012-17	**10-13482**	1.102 Head Dia. 0.216 Stem. 4.122 OAL	
	Int	2012-17	**10-13480**	1.280 Head Dia. 0.2156 Stem. 4.073 OAL	
Keeper	Both	2012-17	**34-5024**	1 Round Bead. 0.216 Stem	
Lifter	Both	2012-17	**36-7501**	Mechanical. 3.00mm/0.118" Thick	
	Both	2012-17	**36-7502**	Mechanical. 3.05mm/0.120" Thick	
	Both	2012-17	**36-7503**	Mechanical. 3.10mm/0.122" Thick	
	Both	2012-17	**36-7533**	Mechanical. 3.30mm/0.130" Thick	
	Both	2012-17	**36-7534**	Mechanical. 3.38mm/0.133" Thick	
Valve Stem Seal	Both	2012-17	**38-6105-55**	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2012-17	**55-7701**	Chrome Moly. 0.216 Stem	
LINE 2	**2995cc (3.0L) DOHC 24V S/C Vin P,V**				**2014-19 V6 BORE - 3.33"/84.6mm**
Keeper	Both	2014-19	**34-5024**	1 Round Bead. 0.216 Stem	
LINE 3	**4009cc (4.0L) SOHC 12V Vin 4**				**2005-09 V6 BORE - 3.95"/100.4mm**
Valve	Exh	2005-09	**10-1914**	1.535 Head Dia. 0.2739 Stem. 4.524 OAL. 3 Grv.	
	Int	2005-09	**10-1913**	1.811 Head Dia. 0.275 Stem. 3G	
Valve Seat Insert	Int	2005-09	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	2005-09	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
	Exh	2005-09	**21-1625-54**	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
Guide	Both	2005-09	**30-8663**	1.740 OAL. Incl. Lock Ring	
Spring	Both	2005-09	**32-2302**	1.695 Free Length. Non-Ovate Wire.	
Keeper	Both	2005-09	**34-281**	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	2005-09	**36-2271**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2005-09	**38-292-45**	Viton. Top Hat.	
Push Rod	Both	2005-09	**74-5471**	5.475 Length	

ENGINE	YEAR	CYL.	LINE NO.
1272cc (1.3L) SOHC 8V TC	1976-78	L4	**1**
1415cc (1.4L) SOHC 8V UC	1979-80	L4	**2**
1489cc (1.5L) DOHC Z5 16V	1995-98	L4	**3**
1490cc (1.5L) SOHC E5 8V	1981-86	L4	**4**
1498cc (1.5L) DOHC 16V Vin Y,Z MZR	2011-15	L4	**5**
1586cc (1.6L) SOHC 8V NA	1971-77	L4	**6**
1597cc (1.6L) SOHC 8V B6 & CE16	1986-95	L4	**7**
1597cc (1.6L) SOHC, DOHC 16V B6/E/T, CE16	1988-95	L4	**8**
1597cc (1.6L) DOHC 16V ZM	1999-01	L4	**9**
1796cc (1.8L) SOHC 8V VB	1976-78	L4	**10**
1839cc (1.8L) SOHC 16V BP012	1990-94	L4	**11**
1839cc (1.8L) DOHC 16V BP, FP	1990-05	L4	**12**
1844cc (1.8L) DOHC 24V K8	1992-95	V6	**13**
1970cc (2.0L) SOHC MA 8V	1979-84	L4	**14**
1991cc (2.0L) DOHC 16V FS	1993-03	L4	**15**
1991cc (2.0L) DOHC 16V (Ford) ZETEC	2001-04	L4	**16**
1998cc (2.0L) SOHC 8V FE/Turbo	1983-87	L4	**17**
1998cc (2.0L) DOHC 16V SkyActiv	2012-24	L4	**18**
1998cc (2.0L) SOHC Diesel RF 8V	1984-85	L4	**19**
2.0L DOHC 16V FSD Vin D,F,G	2001-15	L4	**20**
2184cc (2.2L) SOHC 8V F2 Carb. & F.I.	1987-93	L4	**21**
2184cc (2.2L) SOHC 12V F2 TRB	1988-92	L4	**22**
2254cc (2.3L) DOHC 24V KJ Vin 2	1995-02	V6	**23**
2255cc (2.3L) SOHC 8V (Ford) Vin A	1994-97	L4	**24**
2260cc (2.3L) DOHC 16V Vin 3,4,D,L,M,Z TRB	2001-13	L4	**25**
2488cc (2.5L) DOHC 16V (Ford)	2009-24	L4	**26**
2497cc (2.5L) DOHC 24V KL Vin 1	1993-02	V6	**27**
2503cc (2.5L) SOHC 8V (Ford) Vin C	1998-01	L4	**28**
2544cc (2.5L) DOHC 24V (Ford)	2000-01	V6	**29**
2555cc (2.6L) SOHC CE26/AM1 (Mitsubishi) 12V	1987-88	L4	**30**
2605cc (2.6L) SOHC 12V G6 & G60	1989-95	L4	**31**
2954cc (3.0L) SOHC 18V CE30, JE30, JE39	1988-98	V6	**32**
2954cc (3.0L) DOHC 24V JE27, JE48 & JE74	1990-96	V6	**33**
2968cc (3.0L) DOHC 24V (Ford) Vin 1,G	2001-11	V6	**34**
2986cc (3.0L) OHV 12V (Ford) U, 8U	1994-07	V6	**35**
3496cc (3.5L) DOHC 24V (Ford)	2007-07	V6	**36**
3726cc (3.7L) DOHC 24V	2008-15	V6	**37**
4016cc (4.0L) OHV 12V (Ford) X, 8X, ZZL, VGE4	1991-01	V6	**38**
4025cc (4.0L) SOHC 12V (Ford) E	2001-10	V6	**39**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1272cc (1.3L) SOHC 8V TC**				**1976-78 L4 BORE - 2.87"/72.9mm**
Keeper	Int	1976-78	**34-212**	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1976-78	**38-966-55**	Viton. Metal Clad.	
Expansion Plug Kit		1976-78	**97-112**	Steel Kit.	
		1976-78	**97-112B**	Brass Kit	
LINE 2	**1415cc (1.4L) SOHC 8V UC**				**1979-80 L4 BORE - 3.03"/77.0**
Keeper	Int	1979-80	**34-212**	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1979-80	**38-962-45**	Viton. Ring And Spring.	
	Both	1979-80	**38-966-55**	Viton. Metal Clad.	
Expansion Plug Kit		1979-80	**97-112**	Steel Kit.	
		1979-80	**97-112B**	Brass Kit	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 3	1489cc (1.5L) DOHC Z5 16V				1995-98 L4 BORE - 2.97"/75.4mm
Valve Stem Seal	Both	1995-98	38-592-55	Viton. Metal Clad.	
LINE 4	1490cc (1.5L) SOHC E5 8V				1981-86 L4 BORE - 3.03"/77.0mm
Keeper	Int	1981-86	34-212	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1981-86	38-966-55	Viton. Metal Clad.	
Expansion Plug Kit		1981-86	97-0220	Steel Kit.	
		1981-86	97-0220B	Brass Kit	
LINE 5	1498cc (1.5L) DOHC 16V Vin Y,Z MZR				2011-15 L4 BORE - 3.07"/78.0mm
Guide	Both	2011-14	30-3070	1.535 OAL. 0.217 I.D. 0.435 O.D.	
Keeper	Both	2011-14	34-5024	1 Round Bead. 0.216 Stem	
Valve Stem Seal	Both	2011-13	38-6105-55	Viton. Top Hat. 0.216 Stem.	
LINE 6	1586cc (1.6L) SOHC 8V NA				1971-77 L4 BORE - 3.07"/78.0mm
Valve	Exh	1971-77	10-10060S	1.297 Head Dia.	
	Int	1971-77	10-10061	1.656 Head Dia.	
Valve Seat Insert	Exh	1971-77	21-1500-57	1.100T I.D. 1-1/2 O.D. 0.316 Depth.	
	Int	1971-77	21-1750-54	1.460T I.D. 1-3/4 O.D. 0.316 Depth.	
Keeper	Int	1971-77	34-212	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1971-77	38-966-55	Viton. Metal Clad.	
LINE 7	1597cc (1.6L) SOHC 8V B6 & CE16				1986-95 L4 BORE - 3.07"/78.0mm
Valve	Exh	1986-95	10-10155	1.259 Head Dia. 0.274 Stem	
	Int	1986-95	10-10154	1.476 Head Dia. 0.274 Stem	
Valve Seat Insert	Exh	1986-95	21-1437-66	1.120 I.D. 1-7/16 O.D. 0.300 Depth	
	Int	1986-95	21-1625-62	1.320 I.D. 1-5/8 O.D. 0.300 Depth.	
Guide	Both	1986-95	30-8205	1.990 OAL. 0.2755 I.D.	
Lifter	Both	1986-94	36-2254	Hydraulic	
Valve Stem Seal	Both	1986-94	38-997-45	Viton. Metal Clad. 0.275 Stem	
Expansion Plug Kit		1986-94	97-0222	Steel Kit.	
		1986-94	97-0222B	Brass Kit	
LINE 8	1597cc (1.6L) SOHC, DOHC 16V B6/E/T, CE16				1988-95 L4 BORE - 3.07"/78.0mm
Valve	Exh	1992-93	10-10513	0.927 Head Dia. 0.235 Stem. SOHC B6 16V	
	Int	1988-95	10-10157	1.220 Head Dia. 0.235 Stem	
	Int	1992-93	10-10512	1.161 Head Dia. 0.235 Stem. SOHC B6 16V	
Valve Seat Insert	Exh	1988-95	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	1988-95	21-1250-61	0.976 I.D. 1-1/4 O.D. 0.180 Depth	
Guide	Both	1992-93	30-8173	1.775 OAL. 0.436 O.D. Incl. Lock Ring. SOHC B6 16V	
	Exh	1988-95	30-8186	1.920 OAL. Incl. Lock Ring	
	Int	1988-95	30-8187	1.920 OAL. Incl. Lock Ring. Tapered End	
Lifter	Both	1988-94	36-2254	Hydraulic. 92-94: MX3, 323	
	Both	1988-95	36-2276	Hydraulic. 90-93: Miata. 88-89: 323 GT Turbo.	
Valve Stem Seal	Both	1988-89	38-520-45	Viton. Metal Clad.	
	Both	1988-95	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1988-95	97-0222	Steel Kit.	
		1986-95	97-0222B	Brass Kit	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 9	1597cc (1.6L) DOHC 16V ZM			1999-01 L4	BORE - 3.07"/78.0mm
Guide	Exh	1999-01	30-8174	1.808 OAL. 0.436 O.D. Incl. Lock Ring	
	Int	1999-01	30-8187	1.920 OAL. Incl. Lock Ring. Tapered End	
Valve Stem Seal	Both	1999-01	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 10	1796cc (1.8L) SOHC 8V VB			1976-78 L4	BORE - 3.07"/78.0mm
Valve	Exh	1976-78	10-10060S	1.297 Head Dia. 0.316 Stem	
	Int	1976-78	10-10061	1.656 Head Dia.	
Valve Seat Insert	Exh	1976-78	21-1500-57	1.100T I.D. 1-1/2 O.D. 0.316 Depth.	
	Int	1976-78	21-1750-54	1.460T I.D. 1-3/4 O.D. 0.316 Depth.	
Guide	Both	1976-78	30-7462	1.990 OAL. 0.3185 Plain I.D.	
Keeper	Int	1976-78	34-212	0.109 Groove Dia. 1 Groove. Heat Treated	
Expansion Plug Kit		1976-78	97-41	Steel Kit.	
		1976-78	97-41B	Brass Kit.	
LINE 11	1839cc (1.8L) SOHC 16V BP012			1990-94 L4	BORE - 3.27"/83.1mm
Valve Seat Insert	Int	1990-94	21-1250-65	1.030 I.D. 1-1/4 O.D. 0.215 Depth.	
Guide	Exh	1990-94	30-8186	1.920 OAL. Incl. Lock Ring	
	Int	1990-94	30-8187	1.920 OAL. Incl. Lock Ring. Tapered End	
Lifter	Both	1990-94	36-2254	Hydraulic	
Valve Stem Seal	Both	1990-94	38-520-45	Viton. Metal Clad.	
	Both	1990-94	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1990-94	97-144	Steel Kit.	
		1990-94	97-144B	Brass Kit	
LINE 12	1839cc (1.8L) DOHC 16V BP, FP			1990-05 L4	BORE - 3.27"/83.1mm
Valve	Exh	1990-05	10-10235	1.103 Head Dia. 0.235 Stem 3.997 OAL. Miata	
	Exh	1999-00	10-10563	1.089 Head Dia. 0.2354 Stem. Protégé	
	Int	1999-00	10-10562	1.240 Head Dia. 0.235 Stem. Protégé	
Valve Seat Insert	Exh	1990-05	21-1250-56	0.905T I.D. 1-1/4 O.D. 0.230 Depth.	
	Int	1990-05	21-1437-74	1.162 I.D. 1-7/16 O.D. 0.230 Depth.	
Guide	Both	1999-00	30-8561	1.490 OAL. 0.436 O.D.	
	Exh	1990-05	30-8174	1.808 OAL. 0.436 O,D. Incl. Lock Ring	
	Int	1990-05	30-8173	1.775 OAL. 0.436 O.D. Incl. Lock Ring	
Lifter	Both	1990-00	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	1990-05	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1990-05	97-144	Steel Kit.	
		1990-06	97-144B	Brass Kit	
LINE 13	1844cc (1.8L) DOHC 24V K8			1992-95 V6	BORE - 2.95"/75.0mm
Guide	Both	1992-95	30-8561	1.490 OAL	
Lifter	Both	1992-95	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	1992-95	38-520-45	Viton. Metal Clad.	
LINE 14	1970cc (2.0L) SOHC MA 8V			1979-84 L4	BORE - 3.15"/80.0mm
Valve	Exh	1979-84	10-10060S	1.297 Head Dia.	
	Int	1979-84	10-10061	1.656 Head Dia.	
Valve Seat Insert	Exh	1979-84	21-1500-57	1.100T I.D. 1-1/2 O.D. 0.316 Depth.	
	Int	1979-84	21-1750-54	1.460T I.D. 1-3/4 O.D. 0.316 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 14	1970cc (2.0L) SOHC MA 8V			1979-84 L4	BORE - 3.15"/80.0mm
Keeper	Int	1979-84	34-212	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1979-84	38-966-55	Viton. Metal Clad.	
	Both	1982-84	38-997-45	Viton. Metal Clad.	
Expansion Plug Kit		1979-84	97-113	Steel Kit.	
		1979-84	97-113B	Brass Kit	
LINE 15	1991cc (2.0L) DOHC 16V FS			1993-03 L4	BORE - 3.27"/83.1mm
Valve	Exh	1993-03	10-10563	1.089 Head Dia. 0.235 Stem	
	Int	1993-03	10-10562	1.240 Head Dia. 0.235 Stem	
Guide	Both	1993-03	30-8561	1.490 OAL. Incl. Lock Ring	
Lifter	Both	1993-97	36-2276	Hydraulic Bucket	
Valve Stem Seal	Both	1993-03	38-998-45	Viton. Metal Clad. 0.236 Stem.	
Expansion Plug Kit		1993-03	97-169	Steel Kit.	
		1993-03	97-169B	Brass Kit	
LINE 16	1991cc (2.0L) DOHC 16V (Ford) ZETEC			2001-04 L4	BORE - 3.34"/84.8mm
Valve	Exh	2001-04	10-1746	1.102 Head Dia. 0.238 Stem	
	Int	2001-04	10-1745	1.260 Head Dia. Hollow Stem Valve 0.2376 Dia.	
Valve Seat Insert	Exh	2001-04	21-1187-51	0.905 I.D. 1 3/16 O.D, 0.2570 Depth	
	Int	2001-04	22-1339-2	1.024 I.D. 1.339 O.D. 0.335 Depth. Adjustable Cutter Required	
Guide	Both	2001-04	30-8662	1.421 OAL. 0.4736 O.D. 0.2388 I.D.	
Valve Stem Seal	Both	2001-04	38-571-45	Viton. Top Hat.	
Retainer	Both	2001-04	55-6260	Chrome Moly. 0.750 O.D. 6mm Stem	
LINE 17	1998cc (2.0L) SOHC 8V FE/Turbo			1983-87 L4	BORE - 3.39"/85.9mm
Valve	Exh	1983-87	10-10237	1.417 Head Dia. 0.3164 Stem. Incl. Turbo	
	Int	1983-87	10-10236	1.732 Head Dia. 0.3164 Stem. Incl. Turbo	
Valve Seat Insert	Int	1983-87	21-1812-50	1.490T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1983-87	30-8172	2.177 OAL. Incl. Lock Ring	
Spring	Both	1983-87	32-1368	1.720 Free Length. Inner	
Keeper	Int	1983-87	34-212	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1983-87	38-966-55	Viton. Metal Clad. 0.313 Stem	
Expansion Plug Kit		1983-87	97-0224	Steel Kit.	
		1983-87	97-0224B	Brass Kit	
LINE 18	1998cc (2.0L) DOHC 16V SkyActiv			2012-24 L4	BORE - 3.29"/83.6mm
Keeper	Both	2012-24	34-5024	1 Round Bead. 0.216 Stem	
LINE 19	1998cc (2.0L) SOHC Diesel RF 8V			1984-85 L4	BORE - 3.39"/85.9mm
Valve Seat Insert	Int	1984-85	21-1687-57	1.335T I.D. 1-11/16 O.D. 0.275 Depth.	
Keeper	Both	1984-85	34-212	0.109 Groove Dia. 1 Groove. Heat Treated	
Valve Stem Seal	Both	1984-85	38-966-55	Viton. Metal Clad.	
Expansion Plug Kit		1984-85	97-0224	Steel Kit.	
		1984-85	97-0224B	Brass Kit	
LINE 20	2.0L DOHC 16V FSD Vin D,F,G			2001-15 L4	BORE - 3.44"/87.4mm
Valve	Exh	2004-15	10-2007	1.181 Head Dia. 0.215 Stem	
	Int	2004-15	10-2006	1.378 Head Dia. 0.216 Stem	
Valve Seat Insert	Exh	2004-15	21-1250-62	1.000 I.D. 1-1/4 O.D. 0.305 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 20	**2.0L DOHC 16V FSD Vin D,F,G**			**2001-15 L4**	**BORE - 3.44"/87.4mm**
Guide	Both	2004-15	**30-3070**	1.535 OAL. 0.217 I.D. 0.435 O.D.	
Keeper	Both	2004-15	**34-5024**	1 Round Bead. 0.216 Stem	
Lifter	Both	2001-03	**36-2276**	Hydraulic Bucket	
Valve Stem Seal	Both	2004-15	**38-6105-55**	Viton. Top Hat. 0.216 Stem.	
Retainer	Both	2004-15	**55-7701**	Chrome Moly. 0.216 Stem	
LINE 21	**2184cc (2.2L) SOHC 8V F2 Carb. & F.I.**			**1987-93 L4**	**BORE - 3.39"/85.9mm**
Valve	Exh	1987-93	**10-10237**	1.417 Head Dia. 0.3162 Stem	
	Int	1987-93	**10-10236**	1.732 Head Dia. 0.3164 Stem	
Valve Seat Insert	Int	1987-93	**21-1812-50**	1.490T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1990-93	**30-8142**	2.088 OAL	
	Both	1987-93	**30-8172**	2.177 OAL. Incl. Lock Ring	
Spring	Both	1987-93	**32-1368**	1.716 Free Length.	
Keeper	Int	1987-93	**34-212**	0.109 Groove Dia. 1 Groove. Heat Treated	
Lifter	Both	1987-93	**36-2254**	Hydraulic	
Valve Stem Seal	Both	1987-93	**38-966-55**	Viton. Metal Clad. 0.313 Stem	
Expansion Plug Kit		1987-93	**97-0224**	Steel Kit.	
		1987-93	**97-0224B**	Brass Kit	
LINE 22	**2184cc (2.2L) SOHC 12V F2 TRB**			**1988-92 L4**	**BORE - 3.39"/85.9mm**
Valve	Exh	1988-92	**10-10163**	1.339 Head Dia.	
	Exh	1988-92	**10-10164**	1.339 Head Dia. Turbo	
	Int	1988-92	**10-10162**	1.280 Head Dia.	
Valve Seat Insert	Exh	1988-92	**21-1437-75**	1.175 I.D. 1-7/16 O.D. 0.260 Depth.	
	Int	1988-92	**21-1375-56**	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Both	1988-92	**30-8142**	2.088 OAL	
Lifter	Both	1988-92	**36-2254**	Hydraulic	
Valve Stem Seal	Both	1988-92	**38-125-65**	Silicone. 2-Ring.	
	Both	1988-92	**38-997-45**	Viton. Metal Clad.	
LINE 23	**2254cc (2.3L) DOHC 24V KJ Vin 2**			**1995-02 V6**	**BORE - 3.00"/80.3mm**
Guide	Int	1995-02	**30-8186**	1.920 OAL. Incl. Lock Ring	
	Int	1995-02	**30-8187**	1.920 OAL. Incl. Lock Ring. Tapered End	
Valve Stem Seal	Both	1995-02	**38-998-45**	Viton. Metal Clad. 0.236 Stem.	
LINE 24	**2255cc (2.3L) SOHC 8V (Ford) Vin A**			**1994-97 L4**	**BORE - 3.16"/80.3mm**
Valve	Exh	1994-94	**10-1597**	1.500 Head Dia. 0.3414 Stem. 4.787 OAL	
	Exh	1994-94	**10-1597+15**	1.500 Head Dia. 0.3456 Stem. 4.787 OAL	
	Exh	1994-94	**10-1597+3**	1.500 Head Dia. 0.3444 Stem. 4.787 OAL	
	Exh	1994-97	**10-1744**	1.500 Head Dia. 0.2740 Stem. 4.807 OAL. 3G.	
	Exh	1994-97	**10-1744+15**	1.500 Head Dia. 0.2890 Stem. 4.807 OAL. 3G.	
	Exh	1994-97	**10-1744+3**	1.500 Head Dia. 0.2770 Stem. 4.807 OAL. 3G.	
	Int	1994-94	**10-1598**	1.735 Head Dia. 0.3419 Stem. 4.787 OAL	
	Int	1994-94	**10-1598+15**	1.735 Head Dia. 0.3569 Stem. 4.787 OAL	
	Int	1994-94	**10-1598+3**	1.735 Head Dia. 0.3779 Stem. 4.787 OAL	
	Int	1995-97	**10-1743**	1.735 Head Dia. 0.275 Stem. 3G.	
Valve Seat Insert	Exh	1995-97	**20-1562-1**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. +10 O/S Avail.	
	Exh	1995-97	**20-1562-1N**	1-5/16 I.D. 1-9/16 O.D. 7/32 Depth. Nickel. +10 O/S Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 24	**2255cc (2.3L) SOHC 8V (Ford) Vin A**			**1994-97 L4 BORE - 3.16"/80.3mm**
Valve Seat Insert	Exh	1994-97	**20-1562-36**	1-5/16 I.D. 1-9/16 O.D. 3/16 Depth.
	Int	1994-97	**20-1812-2**	1-1/2 I.D. 1-13/16 O.D. 7/32 Depth.
Guide	Both	1995-97	**30-8274**	1.930 OAL. 0.2765 I.D. 0.495 O.D. +2 O/S
	Exh	1994-94	**30-9846**	2.313 OAL. Flanged
	Int	1994-94	**30-9206**	2.188 OAL. Flanged. Spiral 0.3440 I.D. 0.5020 O.D.
Spring	Both	1995-97	**32-04026**	2.020 Free Length.
Keeper	Both	1995-97	**34-281**	3 Round Beads. 0.275 Stem Dia.
	Both	1994-94	**34-620**	Heat Treated. 4G
Lifter	Both	1994-97	**36-2012**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1995-97	**38-309-45**	Viton. Metal Clad. Use w/ 0.275 Stem Dia.
	Exh	1994-94	**38-806-55**	Viton. Metal Clad.
	Int	1994-94	**38-805-45**	Viton. Metal Clad. 11/32 x 0.562
LINE 25	**2260cc (2.3L) DOHC 16V Vin 3,4,D,L,M,Z TRB**			**2001-13 L4 BORE - 3.44"/87.5mm**
Valve	Exh	2006-13	**10-13306**	1.181 Head Dia. 0.2352 Stem. TRB
	Exh	2001-10	**10-2007**	1.181 Head Dia. 0.215 Stem
	Int	2006-13	**10-13305**	1.378 Head Dia. 0.2354 Stem TRB
	Int	2001-10	**10-2006**	1.378 Head Dia. 0.216 Stem
Valve Seat Insert	Exh	2001-13	**21-1250-62**	1.000 I.D. 1-1/4 O.D. 0.305 Depth
Guide	Both	2001-10	**30-3070**	1.535 OAL. 0.217 I.D. 0.435 O.D.
	Both	2006-13	**30-3162**	1.535 OAL. 0.2372 I.D. 0.4352 O.D.
Spring	Both	2001-06	**32-04059**	1.776 Free Length. Conical
Keeper	Both	2001-13	**34-5024**	1 Round Bead. 0.216 Stem
Valve Stem Seal	Both	2001-13	**38-6105-55**	Viton. Top Hat. 0.216 Stem.
LINE 26	**2488cc (2.5L) DOHC 16V (Ford)**			**2009-24 L4 BORE - 3.50"/88.9mm**
Valve	Exh	2009-15	**10-2007**	1.181 Head Dia. 0.215 Stem
	Int	2009-15	**10-2006**	1.378 Head Dia. 0.216 Stem
Valve Seat Insert	Exh	2009-15	**21-1250-62**	1.378 Head Dia. 0.216 Stem
Guide	Both	2009-15	**30-3070**	1.535 OAL. 0.217 I.D. 0.435 O.D.
Keeper	Both	2009-24	**34-5024**	1 Round Bead. 0.216 Stem
Valve Stem Seal	Both	2009-15	**38-6105-55**	Viton. Top Hat. 0.216 Stem.
LINE 27	**2497cc (2.5L) DOHC 24V KL Vin 1**			**1993-02 V6 BORE - 3.33"/84.5mm**
Valve	Exh	1993-02	**10-10551**	1.086 Head Dia.
	Int	1993-02	**10-10550**	1.260 Head Dia.
Guide	Both	1993-02	**30-8561**	1.490 OAL. Incl. Lock Ring
Lifter	Both	1993-02	**36-2276**	Hydraulic. 30mm Dia. Exc. 98-02 626
Valve Stem Seal	Both	1993-02	**38-998-45**	Viton. Metal Clad. 0.236 Stem.
LINE 28	**2503cc (2.5L) SOHC 8V (Ford) Vin C**			**1998-01 L4 BORE - 3.77"/95.8mm**
Valve	Exh	1998-01	**10-1744**	1.500 Head Dia. 0.2740 Stem. 4.807 OAL. 3G.
	Exh	1998-01	**10-1744+15**	1.500 Head Dia. 0.2890 Stem. 4.807 OAL. 3G.
	Exh	1998-01	**10-1744+3**	1.500 Head Dia. 0.2770 Stem. 4.807 OAL. 3G.
	Int	1998-01	**10-1743**	1.735 Head Dia. 0.275 Stem.
Spring	Both	1998-01	**32-04026**	2.020 Free Length.
Keeper	Both	1998-01	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	1998-01	**36-2012**	Hydraulic Lash Adjuster

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 28	2503cc (2.5L) SOHC 8V (Ford) Vin C				1998-01 L4 BORE - 3.77"/95.8mm
Valve Stem Seal	Both	1999-01	38-224-45	Viton. Top Hat	
	Both	1998-98	38-309-45	Viton. Metal Clad	
LINE 29	2544cc (2.5L) DOHC 24V (Ford)				2000-01 V6 BORE - 3.24"/82.3mm
Valve	Exh	2000-01	10-1729	1.023 Head Dia.	
	Int	2000-01	10-1728	1.260 Head Dia.	
Valve Seat Insert	Exh	2000-01	21-1125-52	0.825T I.D. 1-1/8 O.D. 0.285 Depth	
Guide	Both	2000-01	30-8560	1.880 OAL	
Spring	Both	2000-01	32-2476	1.847 Free Length.	
Keeper	Both	2000-01	34-281	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	2001-01	36-2271	Hydraulic Lash Adjuster	
Rocker Component	Both	2000-01	40-9113	Rocker Arm	
Retainer	Both	2000-01	55-6252	0.920 O.D. 6mm Stem	
Expansion Plug Kit		2000-01	97-150	Steel Kit.	
		2000-01	97-150B	Brass Kit	
LINE 30	2555cc (2.6L) SOHC CE26/AM1 (Mitsubishi) 12V				1987-88 L4 BORE - 3.59"/91.1mm
Valve	Exh	1987-88	10-10146	1.493 Head Dia. Round Groove.	
	Int	1987-88	10-10145	1.810 Head Dia. Round Groove.	
Valve Seat Insert	Exh	1987-88	21-1625-56	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Int	1987-88	21-1875-51	1.575T I.D, 1-7/8 O.D. 0.317 Depth.	
Guide	Exh	1987-88	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1987-88	30-8226	2.046 OAL. 0.5625 O.D.	
	Int	1987-88	30-7574	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1987-88	30-8225	1.848 OAL. 0.5625 O.D.	
Spring	Both	1987-88	32-1289	1.960 Free Length.	
Keeper	Both	1987-88	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1987-88	36-6000	B2600 Pickup. Hydraulic	
Valve Stem Seal	Both	1987-88	38-938-25	Polyacrylic. Ring And Band.	
	Both	1987-88	38-938-45	Viton. Ring And Band.	
	Both	1987-88	38-964-55	Viton. Metal Clad.	
Expansion Plug Kit		1987-88	97-0216	Steel Kit.	
		1987-88	97-0216B	Brass Kit	
LINE 31	2605cc (2.6L) SOHC 12V G6 & G60				1989-95 L4 BORE - 3.60"/91.4mm
Valve	Exh	1989-95	10-10244	1.417 Head Dia.	
	Int	1989-95	10-10243	1.312 Head Dia.	
Valve Seat Insert	Exh	1989-95	21-1500-80	1.250 I.D. 1-1/2 O.D. 0.230 Depth	
	Int	1989-95	21-1437-74	1.162 I.D. 1-7/16 O.D. 0.230 Depth.	
Guide	Both	1989-95	30-8142	2.088 OAL	
Lifter	Both	1989-95	36-2254	Hydraulic	
Valve Stem Seal	Both	1989-93	38-125-65	Silicone. 2-Ring.	
	Both	1989-95	38-997-45	Viton. Metal Clad.	
Expansion Plug Kit		1989-94	97-170	Steel Kit.	
		1989-94	97-170B	Brass Kit.	
LINE 32	2954cc (3.0L) SOHC 18V CE30, JE30, JE39				1988-98 V6 BORE - 3.50"/88.9mm
Valve	Exh	1988-98	10-10246S	1.496 Head Dia. 0.3160 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 32	**2954cc (3.0L) SOHC 18V CE30, JE30, JE39**			**1988-98 V6 BORE - 3.50"/88.9mm**
Valve	Int	1988-98	**10-10245**	1.299 Head Dia. 0.2744 Stem Dia.
Valve Seat Insert	Exh	1988-98	**21-1625-62**	1.320 I.D. 1-5/8 O.D. 0.300 Depth.
	Int	1988-98	**21-1437-66**	1.120 I.D. 1-7/16 O.D. 0.300 Depth
Guide	Int	1988-98	**30-8205**	1.990 OAL. 0.2755 I.D.
Lifter	Both	1988-98	**36-2254**	Hydraulic
Valve Stem Seal	Exh	1988-98	**38-966-55**	Viton. Metal Clad.
	Int	1988-98	**38-997-45**	Viton. Metal Clad.
Expansion Plug Kit		1988-98	**97-145**	Steel Kit.
		1988-98	**97-145B**	Brass Kit.
LINE 33	**2954cc (3.0L) DOHC 24V JE27, JE48 & JE74**			**1990-96 V6 BORE - 3.54"/89.9mm**
Valve	Exh	1990-95	**10-10248**	1.217 Head Dia.
	Int	1990-95	**10-10247**	1.366 Head Dia.
Valve Seat Insert	Int	1990-95	**21-1437-75**	1.175 I.D. 1-7/16 O.D. 0.260 Depth.
Guide	Exh	1990-95	**30-8541**	2.205 OAL. Incl. Lock Ring.
Valve Stem Seal	Both	1992-92	**38-520-45**	Viton. Metal Clad.
	Both	1990-91	**38-997-45**	Viton. Metal Clad. JE27
	Both	1993-96	**38-998-45**	Viton. Metal Clad. 0.236 Stem.
Expansion Plug Kit		1990-96	**97-145**	Steel Kit.
		1990-96	**97-145B**	Brass Kit.
LINE 34	**2968cc (3.0L) DOHC 24V (Ford) Vin 1,G**			**2001-11 V6 BORE - 3.50"/89.0mm**
Valve	Exh	2001-11	**10-1788**	1.181 Head Dia.
	Int	2001-11	**10-1787**	1.378 Head Dia.
Valve Seat Insert	Exh	2001-11	**21-1250-56**	0.905T I.D. 1-1/4 O.D. 0.230 Depth.
Guide	Both	2001-11	**30-8560**	1.880 OAL
Spring	Both	2001-11	**32-2476**	1.847 Free Length.
Keeper	Both	2001-11	**34-03722**	3 Round Beads. 0.234 Stem
Lifter	Both	2001-11	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2001-11	**38-565-45**	Viton. Top Hat.
Rocker Component	Both	2001-11	**40-9113**	Rocker Arm
Retainer	Both	2001-11	**55-7715**	
LINE 35	**2986cc (3.0L) OHV 12V (Ford) U, 8U**			**1994-07 V6 BORE - 3.50"/88.9mm**
Valve	Exh	1994-99	**10-1535**	1.371 Head Dia. 0.3125 Stem Dia.
	Exh	2000-07	**10-2047**	1.371 Head Dia. 0.274 Stem Dia.
	Int	1994-99	**10-1536**	1.661 Head Dia. 0.313 Stem Dia. To 7/27/1999
	Int	1994-99	**10-1536+3**	1.661 Head Dia. 0.316 Stem Dia. To 7/27/1999
	Int	2000-07	**10-2046**	1.661 Head Dia. 0.275 Stem Dia.
Valve Seat Insert	Exh	1994-99	**20-1437-2**	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.
	Exh	2000-07	**20-1437-3**	1-3/16 I.D. 1-7/16 O.D. 7/32 Depth. -N Suffix Nickel Also Avail.
	Int	1994-07	**20-1750-2**	1-1/2 I.D. 1-3/4 O.D. 7/32 Depth. +10 O/S Avail.
Guide	Both	2000-07	**30-3048**	2.500 OAL. 0.4747 O.D. 0.2768 I.D. w/ Seal Boss
	Both	2000-07	**30-3066**	2.200 OAL. 0.439 O.D. 0.2768 I.D. w/o Seal Boss
	Both	1994-99	**30-9204**	2.200 OAL. 0.315 I.D. 0.439 O.D.
Spring	Both	1999-07	**32-04017**	1.843 Free Length. Conical
	Both	1994-99	**32-1258**	1.840 Free Length.

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 35	**2986cc (3.0L) OHV 12V (Ford) U, 8U**			**1994-07 V6 BORE - 3.50"/88.9mm**
Keeper	Both	2000-07	**34-281**	3 Round Beads. 0.275 Stem Dia.
	Both	1994-99	**34-619**	0.313 Stem Dia. 3 Round Beads.
Lifter	Both	1994-07	**36-2205**	Hydraulic Roller
Valve Stem Seal	Both	2000-07	**38-300-45**	Viton. Ring and Band. 0.275 Stem
	Both	1994-99	**38-936-45**	Viton. Ring And Band. For 5/16 Stem Dia.
Push Rod	Both	1997-07	**74-6604**	5.297 Length.
LINE 36	**3496cc (3.5L) DOHC 24V (Ford)**			**2007-07 V6 BORE - 3.64"/92.5mm**
Valve	Exh	2007-07	**10-13226**	1.220 Head Dia. 1 Groove. 0.2155 Stem
	Int	2007-07	**10-13225**	1.457 Head Dia. 1 Groove. 0.2161 Stem
Guide	Both	2007-07	**30-3170**	1.395 OAL. 0.2177 I.D. 0.4355 O.D.
Spring	Both	2007-07	**32-5009**	1.858 Free Length. Conical
Keeper	Both	2007-07	**34-5024**	1 Round Bead. 0.216 Stem
Lifter	Both	2007-07	**36-2314**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-07	**38-6125-55**	Viton. Top Hat. 0.216 Stem
LINE 37	**3726cc (3.7L) DOHC 24V**			**2008-15 V6 BORE - 3.76"/95.5mm**
Valve	Exh	2008-15	**10-13226**	1.220 Head Dia. 1 Groove. 0.2155 Stem
	Int	2008-15	**10-13225**	1.457 Head Dia. 1 Groove. 0.2161 Stem
Guide	Both	2008-15	**30-3170**	1.395 OAL. 0.2177 I.D. 0.4355 O.D.
Spring	Both	2008-15	**32-5009**	1.858 Free Length. Conical
Keeper	Both	2008-15	**34-5024**	1 Round Bead. 0.216 Stem
Lifter	Both	2008-15	**36-2314**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2008-15	**38-6125-55**	Viton. Top Hat. 0.216 Stem
LINE 38	**4016cc (4.0L) OHV 12V (Ford) X, 8X, ZZL, VGE4**			**1991-01 V6 BORE - 3.95"/100.4mm**
Valve	Exh	1991-01	**10-10388**	1.358 Head Dia. 4.098 OAL. 3G.
	Exh	1991-01	**10-10388+15**	1.358 Head Dia. 4.098 OAL. 3G.
	Exh	1991-01	**10-10388+3**	1.358 Head Dia. 4.098 OAL. 3G.
	Int	1991-01	**10-10387**	1.713 Head Dia. 4.092 OaL. 1G.
	Int	1991-01	**10-10387+15**	1.713 Head Dia. 4.092 OaL. 1G.
	Int	1991-01	**10-10387+3**	1.713 Head Dia. 4.092 OaL. 1G.
Valve Seat Insert	Exh	1991-01	**20-1437-2**	1-7/32 I.D. 1-7/16 O.D. 7/32 Depth.
	Int	1991-01	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.
	Int	1991-01	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.
	Int	1991-01	**20-1875-19**	1-9/16 I.D. 1-7/8 O.D. 7/32 Depth.
Guide	Both	1991-01	**30-9198**	2.000 OAL. Spiral 0.3175 I.D. 0.502 O.D.
Spring	Both	1991-01	**32-1684**	2.130 Free Length.
Keeper	Exh	1990-01	**34-00515**	3 Round Beads. 0.313 Stem
	Int	1991-01	**34-614**	Heat Treated. 1 Groove.
Lifter	Both	1991-01	**36-2244**	Hydraulic Roller.
Valve Stem Seal	Both	1991-01	**38-812-45**	Viton. Metal Clad.
Rocker Component	Both	1991-00	**40-1807**	Rocker Arm. Cast. OEM # F0TZ6564A
Push Rod	Both	1991-00	**74-5471**	5.475 Length
LINE 39	**4025cc (4.0L) SOHC 12V (Ford) E**			**2001-10 V6 BORE - 3.95"/100.3mm**
Valve	Exh	2001-10	**10-1914**	1.535 Head Dia. 0.2739 Stem. 4.524 OAL. 3 Grv.
	Int	2001-10	**10-1913**	1.811 Head Dia. 0.275 Stem. 3G

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 39	4025cc (4.0L) SOHC 12V (Ford) E			2001-10 V6	BORE - 3.95"/100.3mm
Valve Seat Insert	Int	2001-10	**20-1812-4**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia.	
	Int	2001-10	**20-1812-4N**	1-9/16 I.D. 1-13/16 O.D. 3/16 Depth. w/ 1.753 Head Dia. Nickel.	
	Exh	2001-10	**21-1625-54**	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
Guide	Both	2001-10	**30-8663**	1.740 OAL. Incl. Lock Ring	
Spring	Both	2001-10	**32-2302**	1.695 Free Length.	
Keeper	Both	2001-10	**34-281**	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	2001-10	**36-7005**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2001-10	**38-292-45**	Viton. Top Hat.	

ENGINE	YEAR	CYL.	LINE NO.
1000cc (1.0L) DOHC 12V VIN 3,X Smart	2008-15	L3	**1**
1767cc (1.8L) OM636 Mercedes Diesel 8V	1949-63	L4	**2**
1991cc (2.0L) DOHC Gas 16V M274	2015-24	L4	**3**
2143cc (2.1L) DOHC Diesel 16V OM651	2016-23	L4	**4**
2148cc 2.1L DOHC 16V OM646 D	2008-15	L4	**5**
2496cc (2.5L) DOHC 24V	2006-12	V6	**6**
2687cc (2.7L) DOHC 20V OM612/OM647 D	2002-07	L5	**7**
2746cc (2.8L) DOHC 12V	1972-81	L6	**8**
2987cc (3.0L) OM642 24V DOHC Diesel Turbo	2007-23	V6	**9**
2996cc (3.0L) DOHC 24V	2006-23	V6	**10**
3498cc (3.5L) DOHC Gas 24V M276	2005-19	V6	**11**
3499cc (3.5L) SOHC 8V	1969-71	V8	**12**
3839cc (3.8L) SOHC 8V	1981-85	V8	**13**
3982cc (4.0L) DOHC Gas 32V M176 TRB	2016-20	V8	**14**
4.3L OM904,OM924 12V, 6.3L OM906, OM926 18V Diesel	1996-25	L4,6	**15**
4520cc (4.5L) SOHC 16V	1972-80	V8	**16**
5461cc (5.5L) DOHC 32V	2007-20	V8	**17**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1000cc (1.0L) DOHC 12V VIN 3,X Smart**			**2008-15 L3**	**BORE - 2.83"/71.9mm**
Valve	Exh	2008-14	**10-3225**	1.000 Head Dia. 0.197 Stem. 3.579 OAL	
	Int	2008-14	**10-3224**	1.197 Head Dia. 0.197 Stem. 3.524 OAL	
Guide	Both	2008-14	**30-3288**	1.360 OAL. 0.197 I.D. 0.416 O.D.	
LINE 2	**1767cc (1.8L) OM636 Mercedes Diesel 8V**			**1949-63 L4**	**BORE - 2.95"/74.9mm**
Guide	Exh	1949-63	**30-7875**	2.223 OAL. OEM # 11-3281	
LINE 3	**1991cc (2.0L) DOHC Gas 16V M274**			**2015-24 L4**	**BORE - 3.27"/83.1mm**
Keeper	Both	2015-20	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2015-20	**36-7561**	Hydraulic Lash Adjuster	
LINE 4	**2143cc (2.1L) DOHC Diesel 16V OM651**			**2016-23 L4**	**BORE - 3.27"/83.1mm**
Valve	Exh	2014-17	**10-30845**	0.9685 Head Dia. 0.2346 Stem. 4.295 OAL. 3G OEM # A6510500127	
	Int	2014-17	**10-30846**	1.122 Head Dia. 0.2350 Stem. 4.283 OAL. 3G OEM # 6510530101	
Keeper	Both	2014-17	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2014-17	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 5	**2148cc 2.1L DOHC 16V OM646 D**			**2008-15 L4**	**BORE - 3.46"/87.9mm**
Valve	Exh	2008-15	**10-13074**	1.032 Head Dia. 0.274 Stem. 4.114 OAL. OEM # A6280530005	
	Int	2008-15	**10-13073**	1.130 Head Dia. 0.274 Stem. 4.095 OAL. OEM # A6280530001	
LINE 6	**2496cc (2.5L) DOHC 24V**			**2006-12 V6**	**BORE - 3.46"/87.9mm**
Lifter	Both	2006-11	**36-7561**	Hydraulic Lash Adjuster. OEM # A6420500080	
LINE 7	**2687cc (2.7L) DOHC 20V OM612/OM647 D**			**2002-07 L5**	**BORE - 3.46"/87.9mm**
Valve	Exh	2004-06	**10-13074**	1.032 Head Dia. 0.274 Stem. 4.114 OAL. OEM # A6280530005	
	Exh	2002-03	**10-2235**	1.120 Head Dia. 0.2756 Stem. 4.108 OAL. OEM # A6110530105	
	Int	2004-06	**10-13073**	1.130 Head Dia. 0.274 Stem. 4.095 OAL. OEM # A6280530001	
	Int	2002-03	**10-2234**	1.189 Head Dia. 0.274 Stem. 4.095 OAL. OEM # A6110530401	
Valve Seat Insert	Exh	2004-06	**22-1088-1**	0.890T I.D. 1.088 O.D. 0.221 Depth. OEM # A6110530232	
	Exh	2002-03	**22-1175-1**	0.945T I.D. 1.1755 O.D. 0.221 Depth. OEM # A6110530032	
	Int	2004-06	**22-1160-1**	0.960T I.D. 1.160 O.D. 0.221 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 7	2687cc (2.7L) DOHC 20V OM612/OM647 D				2002-07 L5 BORE - 3.46"/87.9mm
Valve Seat Insert	Int	2002-03	22-1218-1	1.020T I.D. 1.2185 O.D. 0.221 Depth. OEM # A6110530531	
Guide	Both	2002-07	30-3255	1.476 OAL. 0.275 I.D. 0.4940 O.D. OEM # A6110530329	
Valve Stem Seal	Both	2002-07	38-5080-55	Viton. Metal Clad.	
LINE 8	2746cc (2.8L) DOHC 12V				1972-81 L6 BORE - 3.38"/85.9mm
Valve Seat Insert	Exh	1972-81	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth	
	Int	1972-81	21-1875-55	1.625T I.D. 1-7/8 O.D. 0.352 Depth	
LINE 9	2987cc (3.0L) OM642 24V DOHC Diesel Turbo				2007-23 V6 BORE - 3.27"/83.0mm
Valve	Exh	2007-20	10-13357	1.000 Head Dia. 0.2346 Stem. 4.028. OAL. OEM # A6420500527	
	Int	2007-20	10-13356	1.122 Head Dia. 0.2349 Stem. 4.028 OAL. OEM # A6420530401	
Keeper	Both	2007-20	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2007-20	36-7561	Hydraulic Lash Adjuster. OEM # A6420500080	
Valve Stem Seal	Both	2007-20	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
LINE 10	2996cc (3.0L) DOHC 24V				2006-23 V6 BORE - 3.46"/87.8mm
Lifter	Both	2006-16	36-7561	Hydraulic Lash Adjuster	
LINE 11	3498cc (3.5L) DOHC Gas 24V M276				2005-19 V6 BORE - 3.66"/92.9mm
Keeper	Both	2012-19	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2005-19	36-7561	Hydraulic Lash Adjuster	
LINE 12	3499cc (3.5L) SOHC 8V				1969-71 V8 BORE - 3.60"/91.4mm
Valve Seat Insert	Exh	1969-71	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth	
	Int	1969-71	21-1812-60	1.590T I.D. 1-13/16 O.D. 0.450 Depth	
LINE 13	3839cc (3.8L) SOHC 8V				1981-85 V8 BORE - 3.40"/86.4mm
Valve Seat Insert	Both	1981-85	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth. Int. For Engine #M116.963 Only	
	Int	1981-85	21-1812-60	1.590T I.D. 1-13/16 O.D. 0.450 Depth. # M116.960, M116.961. Eng.	
LINE 14	3982cc (4.0L) DOHC Gas 32V M176 TRB				2016-20 V8 BORE - 3.27"/83.1mm
Keeper	Both	2016-20	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2016-20	36-7561	Hydraulic Lash Adjuster	
LINE 15	4.3L OM904,OM924 12V, 6.3L OM906, OM926 18V Diesel				1996-25 L4,6 BORE - 4.02"/102.1mm
Valve	Exh		10-3189	1.496 Head Dia. 1 per Cyl. OEM # 9060500327	
	Int		10-3188	1.339 Head Dia. 0.3127 Stem. 2 per Cyl. OEM # 9060500326	
Valve Seat Insert	Exh		22-1578-1	1.233T I.D. 1.578 O.D. 0.315. OEM # 9060531232	
	Int		22-1382-2	1.100 I.D. 1.382 O.D. 0.300 Depth. OEM # 9060530131	
Guide	Both		30-3276	2.362 OAL. 0.3146 Finished I.D. 0.5524 O.D. OEM # A9060530129	
	Both		30-3276SA	2.362 OAL. 0.3146 ID. Special Harder Alloy.	
	Both		30-3285	2.363 OAL. Unfinished 0.295 I.D. OEM # 9060530130	
Keeper	Both		34-5132	1 Round Bead. OEM # 102530026	
Valve Stem Seal	Both	1995-	38-812-45	Metal Clad. Viton. OEM # 9060530358	
Injector Component			87-0488	Injector Tube. Stainless. OEM # 9060170488	
			87-0488K	Injector Tub Kit, Stainless w/ 87-1345 O-Ring	
			87-1345	Injector Tube O-Ring. OEM # 5419970345	
LINE 16	4520cc (4.5L) SOHC 16V				1972-80 V8 BORE - 3.60"/91.4mm
Valve Seat Insert	Exh	1972-80	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.420 Depth	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 16	**4520cc (4.5L) SOHC 16V**				**1972-80 V8 BORE - 3.60"/91.4mm**
Valve Seat Insert	Int	1972-80	**21-1812-60**	1.590T I.D. 1-13/16 O.D. 0.450 Depth	
LINE 17	**5461cc (5.5L) DOHC 32V**				**2007-20 V8 BORE - 3.86"/98.0mm**
Lifter	Both	2007-15	**36-7561**	Hydraulic Lash Adjuster	

ENGINE	YEAR	CYL.	LINE NO.
1468cc (1.5L) SOHC 8V G15B Carb.	1985-89	L4	**1**
1468cc (1.5L) SOHC 8V 4G15 Vin X, G4DJ Vin J	1989-94	L4	**2**
1468cc (1.5L) SOHC 12V 4G15 Vin A	1991-02	L4	**3**
1597cc (1.6L) SOHC 8V Turbo G32B Vin F	1985-88	L4	**4**
1597cc (1.6L) DOHC 16V 4G61, 4G61T Turbo Vin Y	1989-92	L4	**5**
1755cc (1.8L) SOHC 8V 4G37 Vin B, T	1990-94	L4	**6**
1795cc (1.8L) SOHC 12V G62B, Turbo Vin 4,G	1983-88	L4	**7**
1834cc (1.8L) SOHC 16V 4G93 Vin C, D	1992-02	L4	**8**
1996cc (2.0L) DOHC 16V A588, 420A Vin Y	1995-99	L4	**9**
1997cc (2.0L) SOHC G63B 8V, 4G63 8V Vin 5, D, V 8V	1983-93	L4	**10**
1997cc (2.0L) DOHC 16V 4G63, 4G63 Turbo Vin E,R,F,U	1989-99	L4	**11**
1997cc (2.0L) DOHC 16V Vin C, D 4G63 Turbo	2003-06	L4	**12**
1998cc (2.0L) DOHC 16V VVT Vin 5,U,V 4B11	2008-24	L4	**13**
1999cc (2.0L) SOHC 16V 4G94 Vin E	2004-12	L4	**14**
2346cc (2.3L) SOHC Diesel 4D55 Vin 9, J	1983-85	L4	**15**
2351cc (2.4L) SOHC G64B 12V, 4G64 8V Vin L, G, W 8V	1985-96	L4	**16**
2351cc (2.4L) SOHC 16V 4G64 Vin G	1993-24	L4	**17**
2351cc (2.4L) DOHC 16V 4G64	1994-95	L4	**18**
2360cc (2.4L) DOHC 16V VVT 4B12 Vin W	2008-21	L4	**19**
2378cc (2.4L) SOHC 16V 4G69	2004-12	L4	**20**
2477cc 2.5L DOHC 16V Diesel 4D56U	2005-15	L4	**21**
2497cc (2.5L) SOHC 24V 6G73	1995-98	V6	**22**
2555cc (2.6L) SOHC G54B/T Turbo Vin 7, E, H, N 8V	1983-89	L4	**23**
2972cc (3.0L) SOHC 12V 6G72 Vin H, S	1988-99	V6	**24**
2972cc (3.0L) DOHC 24V 6G72 & Turbo, Vin B, J, C, K	1991-99	V6	**25**
2972cc (3.0L) SOHC 24V 6G72 Vin P, H, F, L	1995-05	V6	**26**
2998cc (3.0L) SOHC 24V 6B31 Vin X	2007-20	V6	**27**
3497cc (3.5L) DOHC 24V 6G74 Vin M	1994-96	V6	**28**
3497cc (3.5L) SOHC 24V 6G74 Vin R, P	1997-04	V6	**29**
3701cc (3.7L) SOHC 12V (Chrysler) Vin K	2006-09	V6	**30**
3828cc (3.8L) SOHC 24V 6G75 Vin S, T	2003-12	V6	**31**
4701cc (4.7L) SOHC 16V (Chrysler) Vin N	2006-07	V8	**32**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1468cc (1.5L) SOHC 8V G15B Carb.**				**1985-89 L4 BORE - 2.97"/75.5mm**
Valve	Exh	1985-88	**10-10097**	1.181 Head Dia. Round Groove	
	Int	1985-88	**10-10098**	1.340 Head Dia. Round Groove	
Guide	Int	1985-88	**30-7578**	1.730 OAL. 0.260 I.D. 0.4755 O.D.	
Valve Stem Seal	Both	1985-89	**38-996-55**	Viton. Metal Clad.	
Expansion Plug Kit		1985-89	**97-0214**	Steel Kit.	
		1985-89	**97-0214B**	Brass Kit.	
LINE 2	**1468cc (1.5L) SOHC 8V 4G15 Vin X, G4DJ Vin J**				**1989-94 L4 BORE - 2.97"/75.5mm**
Valve	Exh	1989-92	**10-10097**	1.181 Head Dia. Round Groove	
	Int	1989-92	**10-10136**	1.380 Head Dia. Round Groove	
Guide	Int	1989-92	**30-7578**	1.730 OAL. 0.260 I.D. 0.4755 O.D.	
Valve Stem Seal	Both	1989-92	**38-996-55**	Viton. Metal Clad.	
Expansion Plug Kit		1989-92	**97-0214**	Steel Kit.	
		1989-92	**97-0214B**	Brass Kit.	
LINE 3	**1468cc (1.5L) SOHC 12V 4G15 Vin A**				**1991-02 L4 BORE - 2.97"/75.5mm**
Valve	Exh	1991-02	**10-10497**	1.299 Head Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 3	1468cc (1.5L) SOHC 12V 4G15 Vin A			1991-02 L4	BORE - 2.97"/75.5mm
Valve Seat Insert	Int	1991-02	21-1125-52	0.825T I.D. 1-1/8 O.D. 0.285 Depth.	
Guide	Int	1991-02	30-7578	1.730 OAL. 0.260 I.D. 0.4755 O.D.	
Lifter	Both	1998-02	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1991-02	38-996-55	Viton. Metal Clad.	
Expansion Plug Kit		1991-99	97-0214	Steel Kit.	
		1991-99	97-0214B	Brass Kit.	
LINE 4	1597cc (1.6L) SOHC 8V Turbo G32B Vin F			1985-88 L4	BORE - 3.00"/76.9mm
Valve Seat Insert	Exh	1985-88	21-1375-51	1.060T I.D. 1-3/8 O.D. 0.280 Depth	
	Int	1985-88	21-1562-50	1.260T I.D. 1-9/16 O.D. 0.280 Depth	
Guide	Exh	1985-88	30-7577	1.890 OAL. +2 O/S Avail. Incl. Lock Ring	
	Int	1985-88	30-7576	1.735 OAL. +2 O/S Avail.	
Keeper	Both	1985-88	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1985-88	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1985-88	38-964-55	Viton. Metal Clad.	
LINE 5	1597cc (1.6L) DOHC 16V 4G61, 4G61T Turbo Vin Y			1989-92 L4	BORE - 3.24"/82.3mm
Valve	Exh	1989-92	10-10128	1.201 Head Dia.	
	Int	1989-92	10-10126	1.339 Head Dia.	
Valve Seat Insert	Int	1989-92	21-1437-68	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Guide	Exh	1989-92	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1989-92	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1989-92	36-2274	Hydraulic	
Valve Stem Seal	Both	1989-92	38-996-55	Viton. Metal Clad.	
LINE 6	1755cc (1.8L) SOHC 8V 4G37 Vin B, T			1990-94 L4	BORE - 3.17"/80.6mm
Valve	Exh	1990-94	10-10140	1.339 Head Dia.	
	Int	1990-94	10-10139	1.654 Head Dia.	
Valve Seat Insert	Exh	1990-94	21-1500-75	1.180 I.D. 1-1/2 O.D. 0.300 Depth.	
	Int	1990-94	21-1750-59	1.360T I.D. 1-3/4 O.D. 0.315 Depth	
Guide	Exh	1990-94	30-7577	1.890 OAL. +2 O/S Avail. Incl. Lock Ring	
	Int	1990-94	30-7576	1.735 OAL. +2 O/S Avail.	
Keeper	Both	1990-94	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1990-94	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1990-94	38-964-55	Viton. Metal Clad.	
LINE 7	1795cc (1.8L) SOHC 12V G62B, Turbo Vin 4,G			1983-88 L4	BORE - 3.17"/80.6mm
Valve	Exh	1983-88	10-10142	1.378 Head Dia.	
	Int	1983-88	10-10141	1.693 Head Dia.	
Valve Seat Insert	Exh	1983-88	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
	Int	1983-88	21-1750-61	1.445T I.D. 1-3/4 O.D. 0.310 Depth.	
Guide	Exh	1983-88	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1983-88	30-8226	2.046 OAL. 0.5625 O.D.	
	Int	1983-88	30-7574	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1983-88	30-8225	1.848 OAL. 0.5625 O.D.	
Spring	Both	1983-88	32-1289	1.960 Free Length.	
Keeper	Both	1983-88	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1984-88	36-6000	From 5/84. Hydraulic	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 7	**1795cc (1.8L) SOHC 12V G62B, Turbo Vin 4,G**			**1983-88 L4 BORE - 3.17"/80.6mm**
Valve Stem Seal	Both	1983-88	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1983-88	**97-0226**	Steel Kit.
		1983-88	**97-0226B**	Brass Kit.
LINE 8	**1834cc (1.8L) SOHC 16V 4G93 Vin C, D**			**1992-02 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1992-02	**10-10499**	1.063 Head Dia. 0.235 Stem
	Int	1992-02	**10-10498**	1.181 Head Dia. 0.235 Stem
Valve Seat Insert	Exh	1992-93	**21-1187-51**	0.905 I.D. 1-3/16 O.D. 0.257 Depth
	Exh	1993-02	**21-1187-54**	0.880 I.D. 1-3/16 O.D. 0.280 Depth
	Int	1993-02	**21-1250-60**	1.023T I.D. 1-1/4 O.D. 0.273 Depth
Guide	Exh	1992-02	**30-8571**	1.990 OAL. 0.436 O.D. 0.236 I.D.
	Int	1992-02	**30-8554**	1.790 OAL. 0.436 O.D. 0.236 I.D.
Keeper	Both	1992-02	**34-719**	1 Round Groove. Heat Treated
Lifter	Both	1992-02	**36-6000**	Hydraulic. 26mm OAL. 12.9mm OD.
Valve Stem Seal	Both	1992-02	**38-553-55**	Viton. Metal Clad
LINE 9	**1996cc (2.0L) DOHC 16V A588, 420A Vin Y**			**1995-99 L4 BORE - 3.45"/87.5mm**
Valve	Exh	1995-99	**10-1731**	1.201 Head Dia.
	Int	1995-99	**10-1730**	1.370 Head Dia.
Guide	Both	1995-99	**30-8556**	1.735 OAL 0.436 O.D. 0.236 I.D.
Keeper	Both	1995-99	**34-719**	1 Round Groove. Heat Treated
Lifter	Both	1995-99	**36-2278**	Hydraulic
Valve Stem Seal	Both	1995-99	**38-20-45**	Viton. Top Hat.
LINE 10	**1997cc (2.0L) SOHC G63B 8V, 4G63 8V Vin 5, D, V 8V**			**1983-93 L4 BORE - 3.35"/85.0mm**
Valve	Exh	1983-93	**10-10142**	1.378 Head Dia.
	Int	1983-93	**10-10141**	1.693 Head Dia.
Valve Seat Insert	Exh	1983-93	**21-1500-62**	1.220T I.D. 1-1/2 O.D. 0.310 Depth.
	Int	1983-93	**21-1750-61**	1.445T I.D. 1-3/4 O.D. 0.310 Depth.
Guide	Exh	1983-93	**30-7575**	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring
	Exh	1983-89	**30-8226**	2.046 OAL. 0.5625 O.D.
	Int	1983-93	**30-7574**	1.848 OAL. 0.5145 O.D. +2 O/S Avail.
	Int	1983-89	**30-8225**	1.848 OAL. 0.5645 O.D.
Spring	Both	1983-84	**32-1125**	1.875 Free Length. Before 5/84
	Both	1984-93	**32-1289**	1.960 Free Length. After 5/84
Keeper	Both	1983-93	**34-716**	1 Round Groove. Heat Treated
Lifter	Both	1983-93	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	1983-93	**38-938-25**	Polyacrylic. Ring And Band.
	Both	1983-93	**38-938-45**	Viton. Ring and Band.
	Both	1983-93	**38-964-55**	Viton. Metal Clad.
Expansion Plug Kit		1983-93	**97-0226**	Steel Kit.
		1983-93	**97-0226B**	Brass Kit.
LINE 11	**1997cc (2.0L) DOHC 16V 4G63, 4G63 Turbo Vin E,R,F,U**			**1989-99 L4 BORE - 3.35"/85.0mm**
Valve	Exh	1989-99	**10-10128**	1.201 Head Dia. 0.2575 Stem
	Int	1989-99	**10-10126**	1.339 Head Dia. 0.2587 Stem
Valve Seat Insert	Int	1989-4/92	**21-1437-68**	1.180T I.D. 1-7/16 O.D. 0.255 Depth.
	Int	5/92-99	**21-1437-73**	1.142T I.D. 1-7/16 O.D. 0.336 Depth.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 11	1997cc (2.0L) DOHC 16V 4G63, 4G63 Turbo Vin E,R,F,U			1989-99 L4	BORE - 3.35"/85.0mm
Guide	Exh	1989-99	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1989-99	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1989-99	36-2274	Hydraulic	
Valve Stem Seal	Both	1989-99	38-996-55	Viton. Metal Clad.	
Expansion Plug Kit		1989-99	97-0226	Steel Kit.	
		1989-99	97-0226B	Brass Kit.	
LINE 12	1997cc (2.0L) DOHC 16V Vin C, D 4G63 Turbo			2003-06 L4	BORE - 3.35"/85.0mm
Valve	Exh	2003-06	10-10128	1.201 Head Dia. Round Groove	
	Int	2003-06	10-10126	1.339 Head Dia	
Guide	Exh	2003-06	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	2003-06	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	2003-06	36-2274	Hydraulic Lash Adjuster. 2.051 Length	
Valve Stem Seal	Both	2003-06	38-996-55	Viton. Metal Clad.	
LINE 13	1998cc (2.0L) DOHC 16V VVT Vin 5,U,V 4B11			2008-24 L4	BORE - 3.39"/86.1mm
Valve	Exh	2008-17	10-13191	1.148 Head Dia. 0.215 Stem. 4.169 OAL	
	Int	2008-17	10-13190	1.378 Head Dia. 0.215 Stem. 4.456 OAL	
Guide	Both	2008-21	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2008-21	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2008-21	38-6101-55	Viton. Top Hat.	
LINE 14	1999cc (2.0L) SOHC 16V 4G94 Vin E			2004-12 L4	BORE - 3.21"/81.5mm
Valve	Exh	2004-07	10-10499	1.063 Head Dia. 0.235 Stem	
	Int	2004-07	10-10498	1.181 Head Dia. 0.235 Stem	
Guide	Exh	2004-07	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	2004-07	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	2004-07	34-719	1 Round Groove. Heat Treated	
Lifter	Both	2004-07	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2004-07	38-553-55	Viton. Metal Clad	
LINE 15	2346cc (2.3L) SOHC Diesel 4D55 Vin 9, J			1983-85 L4	BORE - 3.80"/96.5
Valve	Exh	1984-85	10-10416	1.339 Head Dia. From 5/84, Round Groove	
	Int	1984-85	10-10415	1.575 Head Dia. From 5/84, Round Groove	
Guide	Exh	1983-85	30-7851	2.920 OAL. OEM # MD050527	
	Int	1983-85	30-7850	2.800 OAL. OEM # MD050523	
Keeper	Both	1983-85	34-716	1 Round Groove. Heat Treated	
Valve Stem Seal	Both	1983-85	38-964-55	Viton. Metal Clad.	
LINE 16	2351cc (2.4L) SOHC G64B 12V, 4G64 8V Vin L, G, W 8V			1985-96 L4	BORE - 3.40"/86.4mm
Valve	Exh	1985-96	10-10144	1.496 Head Dia.	
	Int	1985-96	10-10143	1.811 Head Dia.	
Valve Seat Insert	Exh	1985-96	21-1625-56	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Int	1985-96	21-1875-51	1.575T I.D, 1-7/8 O.D. 0.317 Depth.	
Guide	Exh	1985-96	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1985-96	30-8226	2.046 OAL. 0.5625 O.D.	
	Int	1985-96	30-7574	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1985-96	30-8225	1.848 OAL. 0.5625 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 16	2351cc (2.4L) SOHC G64B 12V, 4G64 8V Vin L, G, W 8V			1985-96 L4	BORE - 3.40"/86.4mm
Spring	Both	1985-96	32-1289	1.960 Free Length.	
Keeper	Both	1985-96	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1985-96	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1985-96	38-964-55	Viton. Metal Clad.	
LINE 17	2351cc (2.4L) SOHC 16V 4G64 Vin G			1993-24 L4	BORE - 3.40"/86.4mm
Valve	Exh	1993-05	10-10535	1.142 Head Dia.	
	Int	1993-05	10-10534	1.299 Head Dia. 0.235 Stem	
Valve Seat Insert	Int	1993-05	21-1375-62	1.100T I.D. 1-3/8 O.D. 0.300 Depth.	
Guide	Exh	1993-05	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	1993-05	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	1993-05	34-719	1 Round Groove. Heat Treated	
Lifter	Both	1993-05	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1993-05	38-553-55	Viton. Metal Clad.	
LINE 18	2351cc (2.4L) DOHC 16V 4G64			1994-95 L4	BORE - 3.41"/86.6mm
Valve	Exh	1994-95	10-10128	1.201 Head Dia	
	Int	1994-95	10-10126	1.339 Head Dia	
Valve Seat Insert	Int	1994-95	21-1437-68	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Guide	Exh	1994-95	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1994-95	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1994-95	36-2274	Hydraulic Lash Adjuster. 2.051 Length	
Valve Stem Seal	Both	1994-95	38-996-55	Viton. Metal Clad.	
LINE 19	2360cc (2.4L) DOHC 16V VVT 4B12 Vin W			2008-21 L4	BORE - 3.46"/87.9mm
Valve	Exh	2008-17	10-13191	1.148 Head Dia. 0.215 Stem	
	Int	2008-17	10-13190	1.378 Head Dia. 0.215 Stem	
Guide	Both	2008-21	30-3154	1.740 OAL. 0.2168 I.D. 0.4358 O.D.	
Keeper	Both	2008-21	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2008-21	38-6101-55	Viton. Top Hat.	
LINE 20	2378cc (2.4L) SOHC 16V 4G69			2004-12 L4	BORE - 3.43"/87.1mm
Valve	Exh	2004-12	10-3081	1.200 Head Dia.	
	Int	2004-12	10-3080	1.336 Head Dia.	
Guide	Exh	2004-12	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	2004-12	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Lifter	Both	2004-12	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2004-12	38-553-55	Viton. Metal Clad	
LINE 21	2477cc 2.5L DOHC 16V Diesel 4D56U			2005-15 L4	BORE - 3.59"/91.1mm
Valve	Exh	2005-15	10-30831	1.082 Head Dia. 0.234 Stem. 4.251 OAL	
	Int	2005-15	10-30832	1.244 Head Dia. 0.235 Stem. 4.236 OAL	
LINE 22	2497cc (2.5L) SOHC 24V 6G73			1995-98 V6	BORE - 3.29"/83.6mm
Valve	Exh	1995-98	10-10535	1.142 Head Dia.	
	Int	1995-98	10-10534	1.299 Head Dia. 0.235 Stem	
Valve Seat Insert	Int	1995-98	21-1375-62	1.100T I.D. 1-3/8 O.D. 0.300 Depth.	
Guide	Exh	1995-98	30-8569	1.990 OAL. Incl. Lock Ring	
	Int	1995-98	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 22	2497cc (2.5L) SOHC 24V 6G73			1995-98 V6	BORE - 3.29"/83.6mm
Lifter	Both	1995-98	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1995-98	38-938-25	Polyacrylic. Ring And Band.	
	Both	1995-98	38-938-45	Viton. Ring And Band.	
LINE 23	2555cc (2.6L) SOHC G54B/T Turbo Vin 7, E, H, N 8V			1983-89 L4	BORE - 3.50"/88.9mm
Valve	Exh	1983-84	10-10091S	1.495 Head Dia. Square Groove	
	Exh	1985-89	10-10146	1.493 Head Dia. Round Groove.	
	Exh	1985-89	10-10146S	1.493 Head Dia. Stellite for Turbo. Round Groove	
	Int	1983-84	10-10092	1.810 Head Dia. Square Groove	
	Int	1985-89	10-10145	1.810 Head Dia. Round Groove.	
Valve Seat Insert	Exh	1983-89	21-1625-56	1.298T I.D. 1-5/8 O.D. 0.317 Depth	
	Int	1983-89	21-1875-51	1.575T I.D, 1-7/8 O.D. 0.317 Depth.	
Guide	Exh	1983-89	30-7575	2.046 OAL. 0.5145 O.D. +2 O/S Avail. Incl. Lock Ring	
	Exh	1983-89	30-8226	2.046 OAL. 0.5625 O.D.	
	Int	1983-89	30-7574	1.848 OAL. 0.5145 O.D. +2 O/S Avail.	
	Int	1983-89	30-8225	1.848 OAL. 0.5625 O.D.	
Spring	Both	1983-84	32-1125	1.875 Free Length.	
	Both	1984-89	32-1289	1.960 Free Length.	
Keeper	Both	1985-89	34-716	1 Round Groove. Heat Treated	
	Both	1983-84	34-813	1 Square Groove. Heat Treated	
Lifter	Both	1983-89	36-6000	83-89: Montero, Pickup RWD. Hydraulic	
Valve Stem Seal	Both	1983-89	38-964-55	Viton. Metal Clad.	
Expansion Plug Kit		1983-89	97-0216	Steel Kit.	
		1983-89	97-0216B	Brass Kit.	
LINE 24	2972cc (3.0L) SOHC 12V 6G72 Vin H, S			1988-99 V6	BORE - 3.50"/88.9mm
Valve	Exh	1988-99	10-10148	1.378 Head Dia. 0.030 Shorter Than OEM.	
	Exh	1988-99	10-10625	1.378 Head Dia. OEM Length	
	Int	1988-99	10-10147	1.693 Head Dia. 0.030 Shorter Than OEM.	
	Int	1988-99	10-10624	1.693 Head Dia. OEM Length	
Valve Seat Insert	Exh	1988-99	21-1562-69	1.219 I.D. 1-9/16 O.D. 0.317 Depth.	
	Int	1988-99	21-1750-61	1.445T I.D. 1-3/4 O.D. 0.310 Depth.	
Guide	Exh	1988-99	30-7577	1.890 OAL. +2 O/S Avail. Incl. Lock Ring	
	Int	1988-99	30-7576	1.735 OAL. +2 O/S Avail.	
Spring	Both	1988-99	32-1289	1.960 Free Length.	
Keeper	Both	1988-99	34-716	1 Round Groove. Heat Treated	
Lifter	Both	1988-99	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1988-99	38-964-55	Viton. Metal Clad.	
Expansion Plug Kit		1988-99	97-127	Steel Kit.	
		1988-99	97-127B	Brass Kit.	
LINE 25	2972cc (3.0L) DOHC 24V 6G72 & Turbo, Vin B, J, C, K			1991-99 V6	BORE - 3.50"/88.9mm
Valve	Exh	1991-99	10-10501	1.199 Head Dia. 0.2576 Stem	
	Int	1991-99	10-10500	1.380 Head Dia. 0.2588 Stem	
Valve Seat Insert	Int	1991-99	21-1437-59	1.180T I.D. 1-7/16 O.D. 0.305 Depth.	
Guide	Exh	1991-99	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1991-99	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 25	2972cc (3.0L) DOHC 24V 6G72 & Turbo, Vin B, J, C, K			1991-99 V6	BORE - 3.50"/88.9mm
Lifter	Both	1991-99	36-2274	Hydraulic	
Valve Stem Seal	Both	1991-99	38-964-55	Viton. Metal Clad.	
LINE 26	2972cc (3.0L) SOHC 24V 6G72 Vin P, H, F, L			1995-05 V6	BORE - 3.59"/91.2mm
Valve	Exh	1995-05	10-10535	1.142 Head Dia.	
	Int	1995-05	10-10534	1.299 Head Dia. 0.235 Stem	
Valve Seat Insert	Exh	1995-05	21-1375-62	1.100T I.D. 1-3/8 O.D. 0.300 Depth.	
Guide	Exh	1995-05	30-8569	1.990 OAL. Incl. Lock Ring	
	Int	1995-05	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	1995-05	34-719	1 Round Groove. Heat Treated	
Lifter	Both	1995-05	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1995-05	38-553-55	Viton. Metal Clad	
LINE 27	2998cc (3.0L) SOHC 24V 6B31 Vin X			2007-20 V6	BORE - 3.45"/87.6mm
Guide	Exh	2007-20	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	2007-20	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	2007-20	34-719	1 Round Groove. Heat Treated	
Lifter	Both	2007-20	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-20	38-553-55	Viton. Metal Clad	
LINE 28	3497cc (3.5L) DOHC 24V 6G74 Vin M			1994-96 V6	BORE - 3.50"/88.9mm
Valve	Exh	1994-96	10-10501	1.199 Head Dia. 0.2576 Stem	
	Int	1994-96	10-10500	1.380 Head Dia. 0.2588 Stem	
Valve Seat Insert	Int	1994-96	21-1437-59	1.180T I.D. 1-7/16 O.D. 0.305 Depth.	
Guide	Exh	1994-96	30-8194	1.990 OAL. 0.260 I.D. 0.475 O.D.	
	Int	1994-96	30-8193	1.795 OAL. 0.260 I.D. 0.475 O.D.	
Lifter	Both	1994-96	36-2274	Hydraulic	
Valve Stem Seal	Both	1994-96	38-964-55	Viton. Metal Clad.	
LINE 29	3497cc (3.5L) SOHC 24V 6G74 Vin R, P			1997-04 V6	BORE - 3.66"/93.0mm
Valve	Exh	1997-04	10-10535	1.142 Head Dia.	
	Int	1997-04	10-10534	1.299 Head Dia. 0.235 Stem	
Valve Seat Insert	Int	1997-04	21-1375-62	1.100T I.D. 1-3/8 O.D. 0.300 Depth.	
Guide	Exh	1997-04	30-8571	1.990 OAL. 0.436 O.D. 0.236 I.D.	
	Int	1997-04	30-8554	1.790 OAL. 0.436 O.D. 0.236 I.D.	
Keeper	Both	1997-04	34-719	1 Round Groove. Heat Treated	
Lifter	Both	1997-04	36-6000	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1997-04	38-553-55	Viton. Metal Clad	
LINE 30	3701cc (3.7L) SOHC 12V (Chrysler) Vin K			2006-09 V6	BORE - 3.66"/93.0mm
Valve	Exh	2006-09	10-1919	1.457 Head Dia. 3G	
	Int	2006-09	10-1918	1.915 Head Dia. 3G	
Valve Seat Insert	Exh	2006-09	21-1500-50	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.	
	Exh	2006-09	21-1562-66	1.265T I.D. Alternate 1-9/16 O.D, Check Casting. 0.280 Depth.	
	Int	2007-09	21-2000-51	1.690T I.D. 2.000 O.D. 0.270 Depth	
Guide	Both	2006-09	30-3026	1.702 OAL	
Spring	Both	2006-09	32-2482	1.950 Free Length. Revised Conical Design	
Keeper	Both	2006-09	34-281	3 Round Beads. 0.275 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 30	3701cc (3.7L) SOHC 12V (Chrysler) Vin K			2006-09 V6 BORE - 3.66"/93.0mm
Lifter	Both	2006-09	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2006-09	**38-752-45**	Viton. Top Hat
Expansion Plug Kit		2006-09	**97-166**	Steel Kit.
		2006-09	**97-166B**	Brass Kit.
LINE 31	3828cc (3.8L) SOHC 24V 6G75 Vin S, T			2003-12 V6 BORE - 3.74"/95.0mm
Valve	Exh	2006-12	**10-13350**	1.260 Head Dia. 0.2345 Stem. 4.468 Length
	Exh	2003-12	**10-3083**	1.262 Head Dia. 0.234 Stem. 4.403 Length
	Int	2006-12	**10-13349**	1.437 Head Dia. 0.2352 Stem. 4.303 Length
	Int	2003-12	**10-3082**	1.437 Head Dia. 0.234 Stem. 4.348 Length
Guide	Exh	2003-12	**30-8571**	1.990 OAL. 0.436 O.D. 0.236 I.D.
	Int	2003-12	**30-8554**	1.790 OAL. 0.436 O.D. 0.236 I.D.
Keeper	Both	2003-12	**34-719**	1 Round Groove. Heat Treated
Lifter	Both	2003-12	**36-6000**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2003-12	**38-553-55**	Viton. Metal Clad
LINE 32	4701cc (4.7L) SOHC 16V (Chrysler) Vin N			2006-07 V8 BORE - 3.66"/93.0mm
Valve	Exh	2006-07	**10-1919**	1.457 Head Dia. 3G
	Int	2006-07	**10-1918**	1.915 Head Dia. 3G
Valve Seat Insert	Exh	2006-07	**21-1500-50**	1.203T I.D. 1-1/2 O.D. 0.280 Depth. -N Nickel Also Avail.
	Exh	2006-07	**21-1562-66**	1.265T I.D. Alternate 1-9/16 O.D, Check Casting. 0.280 Depth.
	Int	2006-07	**21-2000-51**	1.690T I.D. 2.000 O.D. 0.270 Depth
Guide	Both	2006-07	**30-3026**	1.702 OAL
Spring	Both	2006-07	**32-2482**	1.950 Free Length. Revised Conical Design
Keeper	Both	2006-07	**34-281**	3 Round Beads. 0.275 Stem Dia.
Lifter	Both	2006-07	**36-2271**	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2006-07	**38-752-45**	Viton. Top Hat
Retainer	Both	2006-07	**55-6197**	Chrome Moly. 0.982 O.D. 0.275 Stem
Expansion Plug Kit		2006-07	**97-165**	Steel Kit.
		2006-07	**97-165B**	Brass Kit.

ENGINE	YEAR	CYL.	LINE NO.
0.8L BR08, 1.0L BR10 12V DOHC	2014-25	L3	**1**
1189cc (1.2L) OHV 8V E1	1961-65	L4	**2**
1237cc (1.2L) A12A 8V	1980-82	L4	**3**
1288cc (1.3L) A13 8V	1974-74	L4	**4**
1397cc (1.4L) A14 OHV 8V	1975-89	L4	**5**
1488cc (1.5L) A15 OHV 8V	1972-82	L4	**6**
1488cc (1.5L) SOHC E15, E15S	1982-83	L4	**7**
1488cc (1.5L) SOHC Turbo E15T	1983-84	L4	**8**
1.5L J15, 1.6L J16 Datsun	1970-84	L4	**9**
1595cc (1.6L) R16	1966-70	L4	**10**
1595cc (1.6L) L16 8V	1968-73	L4	**11**
1597cc (1.6L) SOHC Carb., FI E16/I/S 8V	1982-92	L4	**12**
1597cc (1.6L) DOHC 16V CA16D,E	1987-87	L4	**13**
1597cc (1.6L) SOHC 12V GA16, GA16I	1989-90	L4	**14**
1597cc (1.6L) DOHC 16V GA16DE Vin A, E	1991-17	L4	**15**
1598cc (1.6L) DOHC 16V HR16DE	2009-24	L4	**16**
1588cc (1.6L) DOHC 16V (Renault) K4M	2002-10	L4	**17**
1618cc (1.6L) DOHC 16V MR16DDT	2011-19	L4	**18**
1680cc (1.7L) SOHC Diesel CD17	1982-86	L4	**19**
1.8L J18 8V (Non-USA)	1981-94	L4	**20**
1769cc (1.8L) DOHC 16V QG18DE	2000-06	L4	**21**
1770cc (1.8L) SOHC L18 8V	1972-74	L4	**22**
1798cc (1.8L) DOHC 16V MR18DE	2007-18	L4	**23**
1798cc (1.8L) DOHC 16V MRA8DE	2013-19	L4	**24**
1809cc (1.8L) SOHC CA18ET 8V	1984-86	L4	**25**
1809cc (1.8L) DOHC 16V CA18DE	1987-89	L4	**26**
1952cc (2.0L) SOHC L20B 8V	1973-80	L4	**27**
1952cc (2.0L) SOHC Z20E/S	1980-86	L4	**28**
1952cc (2.0L) SOHC Z20	1983-85	L4	**29**
1974cc (2.0L) SOHC CA20S 8V	1982-83	L4	**30**
1974cc (2.0L) SOHC CA20E 8V	1984-89	L4	**31**
1997cc (2.0L) DOHC 16V MR20DE/KR20DDET	2007-25	L4	**32**
1998cc (2.0L) DOHC 16V SR20DE Vin C	1991-02	L4	**33**
2164cc (2.2L) Diesel SD22 8V Vin S	1981-83	L4	**34**
2187cc (2.2L) SOHC Z22 & Z22E 8V	1981-88	L4	**35**
2389cc (2.4L) SOHC Z24/I 8V	1983-89	L4	**36**
2389cc (2.4L) SOHC 12V KA24E	1989-98	L4	**37**
2389cc (2.4L) DOHC 16V KA24DE Vin A,B,D,M	1991-09	L4	**38**
2393cc (2.4L) SOHC 12V L24/E	1970-84	L6	**39**
2488cc (2.5L) Diesel SD25 8V	1983-87	L4	**40**
2488cc (2.5L) DOHC 16V PR/QR25DE	2002-24	L4	**41**
2488cc (2.5L) DOHC 16V YD25 Diesel TRB	2006-14	L4	**42**
2496cc (2.5L) DOHC 24V VQ25VHR	2011-12	V6	**43**
2565cc (2.6L) SOHC L26 12V	1974-75	L6	**44**
2753cc (2.8L) SOHC L28E 12V	1975-83	L6	**45**
2753cc (2.8L) SOHC Turbo L28ET 12V	1981-83	L6	**46**
2793cc (2.8L) SOHC Diesel LD28 12V	1981-84	L6	**47**
2953cc (3.0L) DOHC 16V ZD30 Diesel TRB	2008-11	L4	**48**
2960cc (3.0L) SOHC 12V VG30,E/I/T 12V	1984-98	V6	**49**
2960cc (3.0L) DOHC 24V VG30D/TT/DE Vin A	1990-97	V6	**50**
2960cc (3.0L) DOHC 24V VE30DE	1992-94	V6	**51**
2988cc (3.0L) DOHC 24V VQ30DE, Vin C	1995-01	V6	**52**
2997cc (3.0L) DOHC Gas 24V VR30DDTT	2016-25	V6	**53**
3275cc (3.3L) SOHC 12V VG33E, VG33ER	1996-04	V6	**54**

3498cc (3.5L) DOHC 24V VQ35DD/E	2002-25	V6	**55**
3498cc (3.5L) DOHC 24V VQ35HR	2003-14	V6	**56**
3696cc (3.7L) DOHC 24V VQ37	2008-20	V6	**57**
3779cc (3.8L) DOHC 24V VQ38DD	2020-24	V6	**58**
3799cc (3.8L) DOHC 24V VR38DETT	2009-24	V6	**59**
3954cc (4.0L) DOHC 24V VQ40DE	2005-21	V6	**60**
4130cc (4.1L) DOHC 32V VH41DE	1997-01	V8	**61**
4494cc (4.5L) DOHC 32V VH45DE, Vin N	1990-96	V8	**62**
4494cc (4.5L) DOHC 32V VK45DE	2002-10	V8	**63**
305 C.I. (5.0L) DOHC 32V D TRB (Cummins) Vin B	2016-19	V8	**64**
5026cc (5.0L) DOHC 32V VK50VE	2009-20	V8	**65**
5552cc (5.6L) 32V DOHC VK56	2004-24	V8	**66**
6.9L 24V FD6T, FE6T Diesel		L6	**67**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**0.8L BR08, 1.0L BR10 12V DOHC**			**2014-25 L3**	**BORE - 2.80"/71mm**
Valve	Exh	2014-25	**10-30855**	0.882 Head Dia. 0.1953 Stem. 3.835 OAL. OEM # 132025069R	
	Int	2014-25	**10-30856**	1.062 Head Dia. 0.196 Stem. 3.721 OAL. OEM# 132016529R	
LINE 2	**1189cc (1.2L) OHV 8V E1**			**1961-65 L4**	**BORE - 2.87"/72.9mm**
Valve Seat Insert	Exh	1961-65	**20-1312-6**	1-1/16 I.D. 1-5/16 O.D. 7/32 Depth.	
	Int	1961-65	**20-1500-1**	1-1/4 I.D. 1-1/2 O.D. 7/32 Depth.	
Expansion Plug Kit		1961-65	**97-33**	Steel Kit.	
		1961-65	**97-33B**	Brass Kit.	
LINE 3	**1237cc (1.2L) A12A 8V**			**1980-82 L4**	**BORE - 2.95"/75.0mm**
Valve	Int	1980-80	**10-10031**	1.462 Head Dia.	
Valve Seat Insert	Exh	1980-82	**21-1312-52**	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
	Int	1980-82	**21-1500-52**	1.260T I.D. 1-1/2 O.D. 0.240 Depth	
Guide	Both	1980-82	**30-7542**	1.930 OAL.	
Valve Stem Seal	Both	1980-82	**38-961-55**	Viton. Metal Clad.	
Expansion Plug Kit		1980-82	**97-33**	Steel Kit.	
		1980-82	**97-33B**	Brass Kit.	
LINE 4	**1288cc (1.3L) A13 8V**			**1974-74 L4**	**BORE - 2.87"/73.0mm**
Valve	Int	1974-74	**10-10031**	1.462 Head Dia.	
Valve Seat Insert	Exh	1974-74	**21-1312-52**	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
	Int	1974-74	**21-1500-52**	1.260T I.D. 1-1/2 O.D. 0.240 Depth	
Guide	Exh	1974-74	**30-7542**	1.930 OAL.	
	Int	1974-74	**30-7545**	1.930 OAL.	
Valve Stem Seal	Both	1974-74	**38-961-55**	Viton. Metal Clad.	
Expansion Plug Kit		1974-74	**97-33**	Steel Kit.	
		1974-74	**97-33B**	Brass Kit.	
LINE 5	**1397cc (1.4L) A14 OHV 8V**			**1975-89 L4**	**BORE - 2.99"/76.0mm**
Valve	Int	1975-89	**10-10031**	1.462 Head Dia. (Sunny Non-USA)	
Valve Seat Insert	Exh	1975-89	**21-1312-52**	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
	Int	1975-89	**21-1500-52**	1.260T I.D. 1-1/2 O.D. 0.240 Depth	
Guide	Exh	1975-89	**30-7542**	1.930 OAL.	
	Int	1975-8+	**30-7545**	1.930 OAL.	
Valve Stem Seal	Both	1975-89	**38-961-55**	Viton. Metal Clad.	
Expansion Plug Kit		1975-89	**97-33**	Steel Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 5	**1397cc (1.4L) A14 OHV 8V**			**1975-89 L4**	**BORE - 2.99"/76.0mm**
Expansion Plug Kit		1975-89	**97-33B**	Brass Kit.	
LINE 6	**1488cc (1.5L) A15 OHV 8V**			**1972-82 L4**	**BORE - 2.99"/76.0mm**
Valve	Int	1972-82	**10-10031**	1.462 Head Dia.	
Valve Seat Insert	Exh	1972-82	**21-1500-52**	1.260T I.D. 1-1/2 O.D. 0.240 Depth	
	Int	1972-82	**21-1312-52**	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
Guide	Exh	1972-82	**30-7542**	1.930 OAL.	
	Int	1972-82	**30-7545**	1.930 OAL.	
Valve Stem Seal	Both	1972-82	**38-961-55**	Viton. Metal Clad.	
	Both	1972-82	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1972-82	**97-33**	Steel Kit.	
		1972-82	**97-33B**	Brass Kit.	
LINE 7	**1488cc (1.5L) SOHC E15, E15S**			**1982-83 L4**	**BORE - 2.99"/76.0mm**
Valve	Exh	1982-83	**10-10252**	1.181 Head Dia. (Tsuru non-USA)	
	Int	1982-83	**10-10251**	1.457 Head Dia. (Tsuru non-USA)	
Valve Seat Insert	Int	1982-83	**21-1562-66**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Both	1982-83	**30-7825**	2.167 OAL.	
Keeper	Both	1982-83	**34-5007**	1 Groove	
Valve Stem Seal	Both	1982-83	**38-988-55**	Polyacrylic. Metal Clad.	
Expansion Plug Kit		1982-83	**97-114**	Steel Kit.	
		1982-83	**97-114B**	Brass Kit.	
LINE 8	**1488cc (1.5L) SOHC Turbo E15T**			**1983-84 L4**	**BORE - 2.99"/76.0mm**
Guide	Both	1983-84	**30-7825**	2.167 OAL.	
Keeper	Both	1983-84	**34-5007**	1 Groove	
Valve Stem Seal	Both	1983-84	**38-988-55**	Polyacrylic. Metal Clad.	
Expansion Plug Kit		1983-84	**97-114**	Steel Kit.	
		1983-84	**97-114B**	Brass Kit.	
LINE 9	**1.5L J15, 1.6L J16 Datsun**			**1970-84 L4**	**BORE - 3.07"/78.0mm**
Valve	Exh	1970-77	**10-09542**	1.181 Head Dia.	
LINE 10	**1595cc (1.6L) R16**			**1966-70 L4**	**BORE - 3.40"/87.2mm**
Valve Seat Insert	Exh	1966-70	**21-1437-53**	1.090T I.D. 1-7/16 O.D. 0.354 Depth	
	Int	1966-70	**21-1812-55**	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
LINE 11	**1595cc (1.6L) L16 8V**			**1968-73 L4**	**BORE - 3.27"/83.1mm**
Valve Seat Insert	Exh	1968-73	**21-1500-53**	1.180T I.D. 1-1/2 O.D. 0.307 Depth	
Guide	Both	1968-73	**30-7499**	2.313 OAL. Incl. Lock Ring	
	Both	1968-73	**30-7999**	2.200 OAL. w/ 0.374 I.D. & Replaceable Exh. Guide. Use Caution When Removing Stepped O.D.	
Valve Stem Seal	Both	1968-73	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1968-73	**97-34**	Steel Kit.	
		1968-73	**97-34B**	Brass Kit.	
LINE 12	**1597cc (1.6L) SOHC Carb., FI E16/I/S 8V**			**1982-92 L4**	**BORE - 2.99"/76.0mm**
Valve	Exh	1982-88	**10-10256**	1.185 Head Dia. Exc. Canada. (Tsuru non-USA)	
	Int	1982-88	**10-10255**	1.460 Head Dia. Exc. Canada. (Tsuru non-USA)	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 12	1597cc (1.6L) SOHC Carb., FI E16/I/S 8V			1982-92 L4	BORE - 2.99"/76.0mm
Valve Seat Insert	Int	1982-88	21-1562-66	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Both	1982-88	30-7825	82-3/85: Both. 4/85-88: Int. 2.167 OAL.	
	Exh	1985-88	30-8192	4/85-88: Exh. 2.280 OAL	
Keeper	Both	1982-88	34-5007	1 Groove	
Valve Stem Seal	Both	1982-88	38-988-55	Polyacrylic. Metal Clad.	
Expansion Plug Kit		1982-88	97-114	Steel Kit.	
		1982-88	97-114B	Brass Kit.	
LINE 13	1597cc (1.6L) DOHC 16V CA16D,E			1987-87 L4	BORE - 3.33"/84.5mm
Valve	Exh	1987-87	10-10258	1.102 Head Dia. 0.2344 Stem	
	Int	1987-87	10-10257	1.220 Head Dia. 0.2350 Stem	
Valve Seat Insert	Exh	1987-87	21-1250-56	0.905T I.D. 1-1/4 O.D. 0.230 Depth.	
Guide	Exh	1987-87	30-8233	1.770 OAL. Pre-Cut For Seal	
	Int	1987-87	30-7826	1.580 OAL. Pre-Cut For Seal	
	Int	1987-87	30-8190	1.690 OAL. 0.2365 I.D. Tapered Port End	
Valve Stem Seal	Exh	1987-87	38-518-45	Viton. Metal Clad.	
	Int	1987-87	38-994-55	Viton. Metal Clad.	
Expansion Plug Kit		1987-87	97-0236	Steel Kit.	
		1987-87	97-0236B	Brass Kit.	
LINE 14	1597cc (1.6L) SOHC 12V GA16, GA16I			1989-90 L4	BORE - 2.99"/76.0mm
Valve	Exh	1989-90	10-10260S	1.299 Head Dia.	
	Int	1989-90	10-10259	1.142 Head Dia.	
Valve Seat Insert	Exh	1989-90	21-1375-51	1.060T I.D. 1-3/8 O.D. 0.280 Depth	
	Int	1989-90	21-1250-50	0.965T I.D. 1-1/4 O.D. 1/4 Depth	
Guide	Int	1989-90	30-8214	1.970 OAL	
Keeper	Both	1989-90	34-5011	1 Round Groove	
Valve Stem Seal	Exh	1989-90	38-518-45	Viton. Metal Clad.	
	Int	1989-90	38-994-55	Viton. Metal Clad.	
Expansion Plug Kit		1989-90	97-0236	Steel Kit.	
		1989-90	97-0236B	Brass Kit.	
LINE 15	1597cc (1.6L) DOHC 16V GA16DE Vin A, E			1991-17 L4	BORE - 2.99"/76.0mm
Valve	Exh	1991-17	10-10225	0.945 Head Dia. (Tsuru Non-US)	
	Exh	1995-99	10-10536	0.980 Head Dia.	
	Int	1991-17	10-10224	1.181 Head Dia. (Tsuru Non-US)	
Valve Seat Insert	Exh	1991-13	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Exh	1991-13	30-8213	1.575 OAL	
	Int	1991-13	30-8218	1.575 OAL	
Keeper	Both	1991-13	34-5012	1 Round Groove	
Lifter	Both	1991-13	36-2284	Mechanical Bucket	
Valve Stem Seal	Both	1993-13	38-53-45	Viton. Metal Clad.	
	Exh	1991-13	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1991-13	97-0236	Steel Kit.	
		1991-13	97-0236B	Brass Kit.	
LINE 16	1598cc (1.6L) DOHC 16V HR16DE			2009-24 L4	BORE - 3.07"/78.0mm
Valve	Exh	2009-11	10-13234	1.002 Head Dia. 0.1954 Stem (March Non-US)	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 16	1598cc (1.6L) DOHC 16V HR16DE			2009-24 L4	BORE - 3.07"/78.0mm
Valve	Int	2009-22	10-13233	1.266 Head Dia. 0.1957 Stem (March Non-US)	
Valve Stem Seal	Both	2009-19	38-6138-55	Viton. Metal Clad.	
LINE 17	1588cc (1.6L) DOHC 16V (Renault) K4M			2002-10 L4	BORE - 3.10"/78.7mm
Valve	Exh	2002-10	10-3003	1.102 Head Dia.	
	Exh	2002-10	10-3003I	1.102 Head Dia. Exh. w/ Int. Matl. (Magnetic)	
	Int	2002-10	10-3002	1.287 Head Dia.	
Guide	Both	2002-10	30-3217	1.602 OAL.	
Lifter	Both	2002-10	36-7114	Hydraulic OEM # 1323100QAA	
Valve Stem Seal	Both	2002-10	38-6117-55	Viton. Top Hat	
LINE 18	1618cc (1.6L) DOHC 16V MR16DDT			2011-19 L4	BORE - 3.14"/79.8mm
Guide	Both	2011-19	30-3244	1.753 OAL. 0.375 O.D. 0.195 I.D. Req. Reaming	
Keeper	Both	2011-19	34-5012	1 Round Groove	
Valve Stem Seal	Both	2011-19	38-53-45	Viton. Metal Clad.	
LINE 19	1680cc (1.7L) SOHC Diesel CD17			1982-86 L4	BORE - 3.15"/80.0mm
Valve	Exh	1982-86	10-10262S	1.220 Head Dia.	
Valve Seat Insert	Exh	1982-86	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
	Int	1982-86	21-1500-69	1.255 I.D. 1-1/2 O.D. 0.318 Depth.	
Guide	Exh	1982-86	30-8233	1.770 OAL. Pre Cut For Seal Tapered Port End	
	Int	1982-86	30-7826	1.770 OAL. Pre Cut For Seal, Plain Port End	
Valve Stem Seal	Both	1982-86	38-985-55	Viton. Metal Clad.	
LINE 20	1.8L J18 8V (Non-USA)			1981-94 L4	BORE - 3.17"/80.5mm
Valve	Exh	1981-94	10-09572	1.382 Head Dia. OEM # 1320224W00	
	Int	1981-94	10-09571	1.579 Head Dia. OEM # 1320124W00	
LINE 21	1769cc (1.8L) DOHC 16V QG18DE			2000-06 L4	BORE - 3.15"/80.0mm
Valve	Exh	2000-06	10-10536	0.984 Head Dia.	
	Int	2000-06	10-10224	1.181 Head Dia.	
Valve Seat Insert	Exh	2000-06	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Exh	2000-06	30-8213	1.575 OAL	
	Int	2000-06	30-8218	1.575 OAL	
Keeper	Both	2000-06	34-5012	1 Round Groove	
Lifter	Both	2000-06	36-2284	Mechanical Bucket	
Valve Stem Seal	Both	2000-06	38-53-45	Viton. Metal Clad.	
Expansion Plug Kit		2000-06	97-114	Steel Kit.	
		2000-06	97-114B	Brass Kit.	
LINE 22	1770cc (1.8L) SOHC L18 8V			1972-74 L4	BORE - 3.35"/85.0mm
Valve Seat Insert	Int	1972-74	21-1812-50	1.490T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1972-74	30-7499	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1972-74	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1972-74	97-34	Steel Kit.	
		1972-74	97-34B	Brass Kit.	
LINE 23	1798cc (1.8L) DOHC 16V MR18DE			2007-18 L4	BORE - 3.31"/84.1mm
Valve	Exh	2010-14	10-13399	1.093 Head Dia. 0.215 Stem. 0.1791 Tip to Groove	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 23	**1798cc (1.8L) DOHC 16V MR18DE**			**2007-18 L4**	**BORE - 3.31"/84.1mm**
Valve	Exh	2007-14	**10-3087**	1.093 Head Dia. 0.215 I.D. 0.2311 Tip to Groove	
	Int	2010-14	**10-13398**	1.337 Head Dia. 0.215 I.D. 0.1634 Tip to Groove	
	Int	2007-14	**10-3086**	1.337 Head Dia. 0.215 I.D. 0.217 Tip to Groove	
Guide	Both	2007-14	**30-3289**	1.753 OAL. 0.375 O.D. 0.2165 I.D.	
	Exh	2007-14	**30-3245**	1.753 OAL. 0.375 O.D. 0.1935 I.D. Req. Reaming	
	Int	2007-14	**30-3244**	1.753 OAL. 0.375 O.D. 0.195 I.D. Req. Reaming	
Keeper	Both	2007-14	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2007-14	**38-53-45**	Viton. Metal Clad	
LINE 24	**1798cc (1.8L) DOHC 16V MRA8DE**			**2013-19 L4**	**BORE - 3.14"/79.8mm**
Guide	Both	2013-19	**30-3244**	1.753 OAL. 0.375 O.D. 0.195 I.D. Req. Reaming	
Keeper	Both	2013-19	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2013-19	**38-53-45**	Viton. Metal Clad.	
LINE 25	**1809cc (1.8L) SOHC CA18ET 8V**			**1984-86 L4**	**BORE - 3.27"/83.1mm**
Valve Seat Insert	Int	1984-86	**21-1750-64**	1.454 I.D. 1-3/4 O.D. 0.277 Depth	
Guide	Exh	1984-86	**30-8233**	1.770 OAL. Pre Cut For Seal Tapered Port End	
	Int	1984-86	**30-7826**	1.770 OAL. Pre Cut For Seal, Plain Port End	
Keeper	Int	1984-86	**34-5007**	1 Groove	
Valve Stem Seal	Both	1984-86	**38-985-55**	Viton. Metal Clad. 0.276 Stem	
Expansion Plug Kit		1984-86	**97-0236**	Steel Kit.	
		1984-86	**97-0236B**	Brass Kit.	
LINE 26	**1809cc (1.8L) DOHC 16V CA18DE**			**1987-89 L4**	**BORE - 3.27"/83.1mm**
Valve	Exh	1988-89	**10-10258**	1.102 Head Dia.	
Valve Seat Insert	Exh	1988-89	**21-1250-56**	0.905T I.D. 1-1/4 O.D. 0.230 Depth.	
	Int	1988-89	**21-1500-74**	1.180T I.D. 1-1/2 O.D. 0.214 Depth.	
Guide	Exh	1988-89	**30-8233**	1.770 OAL. Pre Cut For Seal Tapered Port End	
	Int	1987-89	**30-7826**	1.770 OAL. Pre Cut For Seal, Plain Port End	
	Int	1988-89	**30-8190**	1.690 OAL. 0.2365 I.D. Tapered Port End	
Valve Stem Seal	Both	1988-89	**38-994-55**	Viton. Metal Clad.	
Expansion Plug Kit		1988-89	**97-0236**	Steel Kit.	
		1988-89	**97-0236B**	Brass Kit.	
LINE 27	**1952cc (2.0L) SOHC L20B 8V**			**1973-80 L4**	**BORE - 3.35"/85.0mm**
Valve Seat Insert	Int	1974-80	**21-1812-50**	1.490T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1974-80	**30-7499**	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1973-80	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1973-80	**97-34**	Steel Kit.	
		1973-80	**97-34B**	Brass Kit.	
LINE 28	**1952cc (2.0L) SOHC Z20E/S**			**1980-86 L4**	**BORE - 3.35"/85.0mm**
Valve	Exh	1980-86	**10-10269**	1.500 Head Dia.	
	Int	1980-86	**10-10268**	1.658 Head Dia.	
Valve Seat Insert	Exh	1980-86	**21-1625-53**	1.255T I.D. 1-5/8 O.D. 0.300 Depth	
Guide	Both	1980-86	**30-7499**	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1980-86	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1980-86	**97-0228**	Steel Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 28	**1952cc (2.0L) SOHC Z20E/S**			**1980-86 L4**	**BORE - 3.35"/85.0mm**
Expansion Plug Kit		1980-86	**97-0228B**	Brass Kit.	
LINE 29	**1952cc (2.0L) SOHC Z20**			**1983-85 L4**	**BORE - 3.35"/85.0mm**
Valve Seat Insert	Exh	1983-85	**21-1625-53**	1.255T I.D. 1-5/8 O.D. 0.300 Depth	
Guide	Both	1983-85	**30-7499**	2.313 OAL. Incl. Lock Ring	
Spring	Both	1983-85	**32-1199**	2.010 Free Length. Outer	
Valve Stem Seal	Both	1983-85	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1983-85	**97-0228**	Steel Kit.	
		1983-85	**97-0228B**	Brass Kit.	
LINE 30	**1974cc (2.0L) SOHC CA20S 8V**			**1982-83 L4**	**BORE - 3.33"/84.5mm**
Valve	Exh	1982-83	**10-10271**	1.381 Head Dia.	
	Int	1982-83	**10-10272**	1.578 Head Dia.	
Valve Seat Insert	Int	1982-83	**21-1750-64**	1.454 I.D. 1-3/4 O.D. 0.277 Depth	
Guide	Exh	1982-83	**30-8233**	1.770 OAL. Pre-Cut For Seal	
	Int	1982-83	**30-7826**	1.580 OAL. Pre-Cut For Seal	
Keeper	Both	1982-83	**34-5007**	1 Groove	
Valve Stem Seal	Both	1982-83	**38-985-55**	Viton. Metal Clad.	
Expansion Plug Kit		1982-83	**97-0236**	Steel Kit.	
		1982-83	**97-0236B**	Brass Kit.	
LINE 31	**1974cc (2.0L) SOHC CA20E 8V**			**1984-89 L4**	**BORE - 3.33"/84.5mm**
Valve	Exh	1984-89	**10-10271**	1.381 Head Dia.	
	Int	1984-89	**10-10270**	1.617 Head Dia.	
Valve Seat Insert	Int	1984-89	**21-1750-64**	1.454 I.D. 1-3/4 O.D. 0.277 Depth	
Guide	Exh	1984-89	**30-8233**	1.770 OAL. Pre Cut For Seal Tapered Port End	
	Int	1984-89	**30-7826**	1.770 OAL. Pre Cut For Seal, Plain Port End	
Keeper	Both	1984-89	**34-5007**	1 Groove	
Valve Stem Seal	Both	1984-89	**38-985-55**	Viton. Metal Clad.	
Expansion Plug Kit		1984-89	**97-0236**	Steel Kit.	
		1984-89	**97-0236B**	Brass Kit.	
LINE 32	**1997cc (2.0L) DOHC 16V MR20DE/KR20DDET**			**2007-25 L4**	**BORE - 3.31"/84.1mm**
Valve	Exh	2013-21	**10-13399**	1.093 Head Dia. 0.215 Stem. 0.1791 Tip to Groove. 4.146 OAL	
	Exh	2007-12	**10-3087**	1.093 Head Dia. 0.215 I.D. 0.2311 Tip to Groove. 4.143 OAL	
	Int	2013-21	**10-13398**	1.337 Head Dia. 0.215 I.D. 0.1634 Tip to Groove. 4.185 OAL	
	Int	2007-12	**10-3086**	1.337 Head Dia. 0.215 I.D. 0.217 Tip to Groove. 4.187 OAL.	
Keeper	Both	2007-23	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2007-21	**38-53-45**	Viton. Metal Clad	
LINE 33	**1998cc (2.0L) DOHC 16V SR20DE Vin C**			**1991-02 L4**	**BORE - 3.38"/85.9mm**
Valve	Exh	2000-02	**10-10795**	1.181 Head Dia. 3.909 Length	
	Int	1991-99	**10-10228**	1.339 Head Dia. 3.991 Length	
	Int	2000-02	**10-10794**	1.339 Head Dia. 3.872 Length	
Valve Seat Insert	Exh	1991-02	**21-1250-57**	0.982T I.D. 1-1/4 O.D. 0.212 Depth	
Guide	Exh	1991-02	**30-8217**	1.690 OAL. 0.2365 I.D. Plain Port End	
	Int	1991-02	**30-8216**	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	1991-02	**34-5011**	1 Round Groove	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 33	1998cc (2.0L) DOHC 16V SR20DE Vin C			1991-02 L4	BORE - 3.38"/85.9mm
Valve Stem Seal	Both	1991-02	38-994-55	Viton. Metal Clad.	
LINE 34	2164cc (2.2L) Diesel SD22 8V Vin S			1981-83 L4	BORE - 3.27"/83.1mm
Valve Seat Insert	Int	1981-83	21-1562-68	1.300T I.D. 1-9/16 O.D. 0.256 Depth	
LINE 35	2187cc (2.2L) SOHC Z22 & Z22E 8V			1981-88 L4	BORE - 3.40"/86.4mm
Valve	Exh	1981-83	10-10269	1.500 Head Dia.	
	Int	1981-83	10-10268	1.658 Head Dia.	
Valve Seat Insert	Exh	1981-83	21-1625-53	1.255T I.D. 1-5/8 O.D. 0.300 Depth	
Guide	Both	1981-83	30-7828	2.660 OAL.	
Valve Stem Seal	Both	1981-83	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1981-83	97-0228	Steel Kit.	
		1981-83	97-0228B	Brass Kit.	
LINE 36	2389cc (2.4L) SOHC Z24/I 8V			1983-89 L4	BORE - 3.50"/88.9mm
Valve	Exh	1983-89	10-10269	1.500 Head Dia.	
	Int	1983-89	10-10268	1.658 Head Dia.	
Valve Seat Insert	Exh	1983-89	21-1625-60	1-1/4T I.D. 1-5/8 O.D. 0.293 Depth	
	Int	1983-89	21-1812-56	1.535 I.D. 1-13/16 O.D. 0.293 Depth.	
Guide	Both	1983-89	30-7828	2.660 OAL.	
Valve Stem Seal	Both	1983-89	38-962-45	Viton. Ring And Spring.	
	Int	1983-89	38-985-55	Viton. Metal Clad.	
Expansion Plug Kit		1983-89	97-0228	Steel Kit.	
		1983-89	97-0228B	Brass Kit.	
LINE 37	2389cc (2.4L) SOHC 12V KA24E			1989-98 L4	BORE - 3.50"/88.9mm
Valve	Exh	1989-98	10-10274S	1.575 Head Dia. 0.313 Stem	
	Int	1989-98	10-10273	1.339 Head Dia. 0.2745 Stem	
Valve Seat Insert	Exh	1989-98	21-1687-56	1.375T I.D. 1-11/16 O.D. 0.295 Depth.	
	Int	1989-98	21-1500-53	1.180T I.D. 1-1/2 O.D. 0.307 Depth	
Guide	Exh	1989-98	30-8212	2.205 OAL. 0.4745 O.D.	
	Int	1989-98	30-8211	2.070 OAL 0.435 O.D.	
Keeper	Both	1989-98	34-5010	1 Groove. OEM # 13210-40F00	
Lifter	Both	1989-98	36-7085	Lash Adjuster From Inside Rocker Arm	
Valve Stem Seal	Exh	1989-98	38-962-45	Viton. Ring And Spring.	
	Int	1989-98	38-985-55	Viton. Metal Clad.	
Rocker Component	Exh	1989-97	40-9099	Rocker Arm w/ Lifter. Exhaust # 1,3	
	Exh	1989-97	40-9100	Rocker Arm w/ Lifter. Exhaust #2,4	
	Int	1989-97	40-9097	Rocker Arm w/ Lifter. Front Intake	
	Int	1989-97	40-9098	Rocker Arm w/ Lifter. Rear Intake	
Expansion Plug Kit		1989-98	97-0228	Steel Kit.	
		1989-98	97-0228B	Brass Kit.	
LINE 38	2389cc (2.4L) DOHC 16V KA24DE Vin A,B,D,M			1991-09 L4	BORE - 3.50"/88.9mm
Valve	Exh	1991-98	10-10227S	1.232 Head Dia. Does Not Fit '98 Altima	
	Exh	1998-09	10-10793S	1.232 Head Dia. 0.234 Tip End Relief Dia. Exc. 00-01 Altima, 98 240SX. (Urvan Non-USA)	
	Exh	2000-01	10-2182S	1.234 Head Dia. Altima	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 38	2389cc (2.4L) DOHC 16V KA24DE Vin A,B,D,M			1991-09 L4	BORE - 3.50"/88.9mm
Valve	Int	1991-98	**10-10226**	1.441 Head Dia. 3.989 OAL. Does Not Fit '98 Altima	
	Int	1998-09	**10-10792**	1.441 Head Dia. 0.234 Tip End Relief Dia. Exc. 00-01 Altima, 98 240SX. (Urvan Non-USA)	
	Int	2000-01	**10-2181**	1.443 Head Dia. Altima	
Valve Seat Insert	Exh	1991-00	**21-1312-52**	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
	Int	1991-00	**21-1500-74**	1.180T I.D. 1-1/2 O.D. 0.214 Depth.	
Guide	Exh	1991-09	**30-8204**	1.550 OAL	
	Int	1991-09	**30-8211**	2.070 OAL	
Keeper	Both	1991-98	**34-5010**	1 Round Groove. Exc. '98 Altima	
	Both	1998-09	**34-5011**	1 Round Groove. Exc. '98 240SX	
Lifter	Both	1991-09	**36-2286**	Mechanical. Exc. 00-01 Altima	
Valve Stem Seal	Both	1996-09	**38-503-55**	Viton. Metal Clad.	
	Both	1991-95	**38-985-55**	Viton. Metal Clad.	
Expansion Plug Kit		1991-09	**97-0228**	Steel Kit.	
		1991-09	**97-0228B**	Brass Kit.	
LINE 39	2393cc (2.4L) SOHC 12V L24/E			1970-84 L6	BORE - 3.27"/83.1mm
Guide	Both	1970-84	**30-7499**	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1970-84	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1970-84	**97-35**	Steel Kit.	
		1970-84	**97-35B**	Brass Kit.	
LINE 40	2488cc (2.5L) Diesel SD25 8V			1983-87 L4	BORE - 3.50"/88.9mm
Guide	Both	1983-87	**30-8209**	2.045 OAL	
Valve Stem Seal	Both	1983-87	**38-962-45**	Viton. Ring And Spring.	
Expansion Plug Kit		1983-87	**97-35**	Steel Kit.	
		1983-87	**97-35B**	Brass Kit.	
LINE 41	2488cc (2.5L) DOHC 16V PR/QR25DE			2002-24 L4	BORE - 3.50"/88.9mm
Valve	Exh	2007-13	**10-13080**	1.206 Head Dia. 0.2347 Stem. 3.856 OAL 0.1535 Tip to Groove.	
	Exh	2013-19	**10-30107**	1.199 Head Dia. 0.2345 Stem. 4.047 OAL. OEM # 132025JJ0A	
	Exh	2013-19	**10-30107S**	1.199 Head Dia. 0.2345 Stem. 4.047 OAL. Stellite for Natl. Gas.	
	Exh	2002-15	**10-3181**	1.199 Head Dia. 0.2344 Stem. 3.890 OAL 0.187 Tip to Groove. OEM # 132024JM0A	
	Exh	2002-15	**10-3181S**	1.199 Head Dia. 0.2344 Stem. 3.890 OAL 0.187 Tip to Groove. Stellite for Natl. Gas.	
	Int	2007-13	**10-13079**	1.405 Head Dia. 0.2349 Stem. 3.815 OAL. 0.1515 Tip to Groove.	
	Int	2013-19	**10-30106**	1.404 Head Dia. 0.2345 Stem. 4.006 OAL. OEM # 132015JJ0A	
	Int	2013-19	**10-30106S**	1.404 Head Dia. 0.2345 Stem. 4.006 OAL. Stainless, Stellite for Natl. Gas.	
	Int	2002-18	**10-3180**	1.400 Head Dia. 0.2351 Stem. 3.846 OAL 0.187 Tip to Groove. OEM # 132014JM0A	
	Int	2002-18	**10-3180S**	1.400 Head Dia. 0.2351 Stem. 3.846 OAL 0.187 Tip to Groove. Stainless, Stellite for Natl. Gas	
Guide	Exh	2002-20	**30-8217**	1.690 OAL. 0.2365 I.D. Plain Port End	
	Int	2002-20	**30-8216**	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	2002-23	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2002-20	**38-994-55**	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 42	2488cc (2.5L) DOHC 16V YD25 Diesel TRB			2006-14 L4	BORE - 3.50"/89.0mm
Valve	Exh	2006-14	10-30113	1.031 Head Dia. 0.234 Stem. 4.189 OAL. OEM # 13202AD200	
	Exh	2011-15	10-30843	1.023 Head Dia. 0.234 Stem. 4.155 OAL. OEM # 132021AT0A	
	Int	2006-14	10-30112	1.110 Head Dia. 0.234 Stem. 4.205 OAL. OEM # 13201AD201	
	Int	2011-15	10-30844	1.125 Head Dia. 0.235 Stem. 4.172 OAL. OEM # 132011AT0A	
LINE 43	2496cc (2.5L) DOHC 24V VQ25VHR			2011-12 V6	BORE - 3.35"/85.1mm
Guide	Exh	2011-12	30-8217	1.690 OAL. 0.2365 I.D. Plain Port End	
	Int	2011-12	30-8190	1.580 OAL. 0.2365 I.D. 0.3950 O.D.	
Keeper	Both	2011-12	34-5012	1 Round Groove	
Valve Stem Seal	Both	2011-12	38-994-55	Viton. Metal Clad.	
LINE 44	2565cc (2.6L) SOHC L26 12V			1974-75 L6	BORE - 3.27"/83.1mm
Guide	Both	1974-75	30-7499	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1974-75	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1974-74	97-35	Steel Kit.	
		1974-74	97-35B	Brass Kit.	
LINE 45	2753cc (2.8L) SOHC L28E 12V			1975-83 L6	BORE - 3.38"/85.9mm
Valve	Exh	1981-83	10-10278S	1.378 Head Dia. 4.537 OAL	
	Int	1981-83	10-10277	1.732 Head Dia. 4.500 OAL	
Valve Seat Insert	Int	1975-83	21-1812-51	1.530T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1975-83	30-7499	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1975-83	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1975-83	97-35	Steel Kit.	
		1975-83	97-35B	Brass Kit.	
LINE 46	2753cc (2.8L) SOHC Turbo L28ET 12V			1981-83 L6	BORE - 3.38"/85.9mm
Valve	Exh	1981-83	10-10278S	1.378 Head Dia.	
	Int	1981-83	10-10277	1.732 Head Dia.	
Valve Seat Insert	Int	1981-83	21-1812-51	1.530T I.D. 1-13/16 O.D. 0.307 Depth.	
Guide	Both	1981-83	30-7499	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1981-83	38-962-45	Viton. Ring And Spring.	
Expansion Plug Kit		1981-83	97-35	Steel Kit.	
		1981-83	97-35B	Brass Kit.	
LINE 47	2793cc (2.8L) SOHC Diesel LD28 12V			1981-84 L6	BORE - 3.33"/84.5mm
Valve	Exh	1981-84	10-10280S	1.260 Head Dia.	
Valve Seat Insert	Int	1981-84	21-1687-53	1.338T I.D. 1-11/16 O.D. 0.309 Depth	
Guide	Both	1981-84	30-7499	2.313 OAL. Incl. Lock Ring	
Valve Stem Seal	Both	1981-84	38-962-45	Viton. Ring And Spring.	
LINE 48	2953cc (3.0L) DOHC 16V ZD30 Diesel TRB			2008-11 L4	BORE - 3.78"/96.0mm
Valve	Exh	2008-11	10-30123	1.180 Head Dia. 0.273 Stem. 4.467 OAL. OEM # 132022W200	
	Int	2008-11	10-30122	1.260 Head Dia. 0.274 Stem. 4.470 OAL. OEM # 132012W20A	
LINE 49	2960cc (3.0L) SOHC 12V VG30,E/I/T 12V			1984-98 V6	BORE - 3.40"/86.4mm
Valve	Exh	1984-95	10-10282	1.382 Head Dia.	
	Int	1984-98	10-10281	1.657 Head Dia. 0.2744 Stem	
Valve Seat Insert	Exh	1984-98	21-1500-68	1.179T I.D. 1-1/2 O.D. 0.293 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 49	2960cc (3.0L) SOHC 12V VG30,E/I/T 12V			1984-98 V6	BORE - 3.40"/86.4mm
Valve Seat Insert	Int	1984-98	21-1812-55	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
Guide	Exh	1984-98	30-8017	2.500 OAL. Head Must Be Reamed To 0.4793/.4802	
	Exh	1984-98	30-8389	2.500 OAL. 0.474 O.D.	
	Int	1984-98	30-7873	2.315 OAL. Head Must Be Reamed To 0.440/.4408	
	Int	1984-98	30-8388	2.315 OAL. 0.4345 O.D. +2 O/S Avail.	
Keeper	Both	1984-98	34-5007	1 Groove	
Lifter	Both	1984-98	36-2198	Hydraulic	
Valve Stem Seal	Exh	1984-98	38-962-45	Viton. Ring And Spring.	
	Int	1984-98	38-985-55	Viton. Metal Clad.	
Expansion Plug Kit		1984-98	97-0230	Steel Kit.	
		1984-89	97-0230B	Brass Kit.	
LINE 50	2960cc (3.0L) DOHC 24V VG30D/TT/DE Vin A			1990-97 V6	BORE - 3.43"/87.1mm
Valve	Exh	1990-97	10-10285S	1.164 Head Dia. Stellite. 0.2353 Stem	
	Int	1990-97	10-10284	1.339 Head Dia. 0.2354 Stem	
Valve Seat Insert	Int	1990-97	21-1500-77	1.175T I.D. 1-1/2 O.D. 0.236 Depth.	
Guide	Exh	1990-97	30-8544	1.940 OAL 0.3955 O.D.	
Valve Stem Seal	Both	1990-97	38-994-55	Viton. Metal Clad.	
Expansion Plug Kit		1990-97	97-0230	Steel Kit.	
		1990-97	97-0230B	Brass Kit.	
LINE 51	2960cc (3.0L) DOHC 24V VE30DE			1992-94 V6	BORE - 3.40"/86.4mm
Valve Seat Insert	Exh	1992-94	21-1312-52	1.060T I.D. 1-5/16 O.D. 0.240 Depth	
	Int	1992-94	21-1500-77	1.175T I.D. 1-1/2 O.D. 0.236 Depth.	
Guide	Exh	1992-94	30-8544	1.940 OAL	
Valve Stem Seal	Both	1992-94	38-994-55	Viton. Metal Clad.	
	Int	1992-94	38-985-55	Viton. Metal Clad.	
Expansion Plug Kit		1992-94	97-0230	Steel Kit.	
		1992-94	97-0230B	Brass Kit.	
LINE 52	2988cc (3.0L) DOHC 24V VQ30DE, Vin C			1995-01 V6	BORE - 3.66"/93.0mm
Valve	Exh	1995-01	10-10538	1.417 Head Dia.	
Guide	Exh	1995-01	30-8217	1.690 OAL. Plain Port End	
	Int	1995-01	30-8190	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	1995-01	34-5012	1 Round Groove	
Valve Stem Seal	Both	1995-01	38-518-45	Viton. Metal Clad.	
	Both	1995-01	38-994-55	Viton, Metal Clad.	
LINE 53	2997cc (3.0L) DOHC Gas 24V VR30DDTT			2016-25 V6	BORE - 3.39"/86.1mm
Keeper	Both	2016-24	34-5012	1 Round Groove	
Valve Stem Seal	Both	2016-24	38-53-45	Viton. Metal Clad.	
LINE 54	3275cc (3.3L) SOHC 12V VG33E, VG33ER			1996-04 V6	BORE - 3.60"/91.4mm
Valve	Exh	1996-04	10-10282	1.382 Head Dia.	
	Int	1996-04	10-10281	1.657 Head Dia. 0.2744 Stem	
Valve Seat Insert	Exh	1996-04	21-1500-68	1.179T I.D. 1-1/2 O.D. 0.293 Depth.	
	Int	1996-04	21-1812-55	1-1/2T I.D. 1-13/16 O.D. 0.278 Depth.	
Guide	Exh	1996-04	30-8389	2.500 OAL. 0.474 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 54	3275cc (3.3L) SOHC 12V VG33E, VG33ER			1996-04 V6	BORE - 3.60"/91.4mm
Guide	Int	1996-04	30-8388	2.315 OAL. 0.4345 O.D. +2 O/S Avail.	
Keeper	Both	1996-04	34-5007	1 Groove	
Lifter	Both	1996-04	36-2198	Hydraulic	
Valve Stem Seal	Exh	1996-04	38-962-45	Viton. Ring And Spring.	
	Int	1996-04	38-503-55	Viton. Metal Clad.	
Expansion Plug Kit		1996-04	97-0230	Steel Kit.	
		1996-04	97-0230B	Brass Kit.	
LINE 55	3498cc (3.5L) DOHC 24V VQ35DD/E			2002-25 V6	BORE - 3.76"/95.5mm
Valve	Exh	2002-08	10-03030	1.236 Head Dia. 0.234 Stem. 3.702 OAL. OEM # 132028J110. Old Style. Not for use w/ short lifter.	
	Exh	2007-14	10-13221	1.195 Head Dia. 0.2349 Stem. 3.730 OAL.	
	Int	2002-08	10-03029	1.465 Head Dia. 0.235 Stem. 3.798 OAL. OEM # 132017S000. Old Style. Not for use w/ short lifter	
	Int	2007-13	10-13220	1.449 Head Dia. 0.2352 Stem. 3.825 OAL.	
Guide	Exh	2002-23	30-8217	1.690 OAL. 0.2365 I.D. 0.3953 O.D. Plain Port End.	
	Int	2002-23	30-8190	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	2002-23	34-5012	1 Round Groove	
Valve Stem Seal	Both	2002-23	38-994-55	Viton. Metal Clad.	
LINE 56	3498cc (3.5L) DOHC 24V VQ35HR			2003-14 V6	BORE - 3.76"/95.5mm
Valve	Exh	2003-13	10-13221	1.195 Head Dia. 0.2349 Stem. 3.730 OAL.	
	Int	2003-13	10-13220	1.449 Head Dia. 0.2352 Stem. 3.825 OAL.	
Guide	Exh	2003-13	30-8217	1.690 OAL. 0.2365 I.D. Plain Port End	
	Int	2003-13	30-8190	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	2003-14	34-5012	1 Round Groove	
Valve Stem Seal	Both	2003-14	38-994-55	Viton. Metal Clad.	
LINE 57	3696cc (3.7L) DOHC 24V VQ37			2008-20 V6	BORE - 3.76"/95.5mm
Valve	Exh	2008-20	10-13221	1.195 Head Dia. 3.730 OAL. 0.2349 Stem	
	Int	2008-14	10-13220	1.449 Head Dia. 3.825 OAL. 0.2352 Stem	
Guide	Exh	2008-20	30-8217	1.580 OAL. 0.2365 I.D. 0.3955 O.D.	
	Int	2008-20	30-8190	1.580 OAL. 0.2365 I.D. 0.3950 O.D.	
Keeper	Both	2008-20	34-5012	1 Round Groove	
Valve Stem Seal	Both	2008-20	38-994-55	Viton. Metal Clad.	
LINE 58	3779cc (3.8L) DOHC 24V VQ38DD			2020-24 V6	BORE - 3.76"/95.5mm
Keeper	Both	2020-24	34-5012	1 Round Groove	
Valve Stem Seal	Both	2020-24	38-994-55	Viton. Metal Clad. 0.236 x 0.395	
LINE 59	3799cc (3.8L) DOHC 24V VR38DETT			2009-24 V6	BORE - 3.76"/95.5mm
Keeper	Both	2009-24	34-5012	1 Round Groove	
Valve Stem Seal	Both	2009-24	38-994-55	Viton. Metal Clad. 0.236 x 0.395	
LINE 60	3954cc (4.0L) DOHC 24V VQ40DE			2005-21 V6	BORE - 3.76"/95.5mm
Valve	Exh	2005-20	10-03030	1.236 Head Dia. 0.234 Stem. 3.702 OAL. OEM # 132028J110. Old Style. Not for use w/ short lifter.	
	Int	2005-20	10-03029	1.465 Head Dia. 0.235 Stem. 3.798 OAL. OEM # 132017S000. Old Style. Not for use w/ short lifter	
Guide	Exh	2005-21	30-8217	1.690 OAL. 0.2365 I.D. 0.3953 O.D. Plain Port End.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 60	**3954cc (4.0L) DOHC 24V VQ40DE**			**2005-21 V6**	**BORE - 3.76"/95.5mm**
Guide	Int	2005-21	**30-8216**	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	2005-21	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2005-21	**38-994-55**	Viton. Metal Clad.	
LINE 61	**4130cc (4.1L) DOHC 32V VH41DE**			**1997-01 V8**	**BORE - 3.66"/93.0mm**
Keeper	Both	1997-01	**34-5010**	1 Groove. OEM # 13210-40F00	
Valve Stem Seal	Both	1997-01	**38-961-55**	Viton. Metal Clad.	
LINE 62	**4494cc (4.5L) DOHC 32V VH45DE, Vin N**			**1990-96 V8**	**BORE - 3.66"/93.0mm**
Valve	Exh	2/93-96	**10-10286S**	1.299 Head Dia. Stellite	
Valve Seat Insert	Exh	1990-96	**21-1375-60**	1.107T I.D. 1-3/8 O.D. 0.237 Depth	
Keeper	Both	1990-96	**34-5010**	1 Groove. OEM # 13210-40F00	
Valve Stem Seal	Exh	1990-96	**38-961-55**	Viton. Metal Clad.	
	Int	1991-95	**38-985-55**	Viton. Metal Clad.	
LINE 63	**4494cc (4.5L) DOHC 32V VK45DE**			**2002-10 V8**	**BORE - 3.66"/93.0mm**
Keeper	Both	2002-10	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2002-10	**38-994-55**	Viton. Metal Clad.	
LINE 64	**305 C.I. (5.0L) DOHC 32V D TRB (Cummins) Vin B**			**2016-19 V8**	**BORE - 3.70"/94.0mm**
Valve	Exh	2016-19	**10-13476**	1.140 Head Dia. 0.2362 Stem. 4.252 OAL. OEM # 13202EZ40B	
	Int	2016-19	**10-13475**	1.260 Head Dia. 0.2362 Stem. 4.248 OAL. OEM # 13201EZ40A	
Valve Stem Seal	Both	2016-19	**38-6512-55**	Top Hat. Viton.	
LINE 65	**5026cc (5.0L) DOHC 32V VK50VE**			**2009-20 V8**	**BORE - 3.76"/95.5mm**
Keeper	Both	2009-16	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2009-14	**38-994-55**	Viton. Metal Clad.	
LINE 66	**5552cc (5.6L) 32V DOHC VK56**			**2004-24 V8**	**BORE - 3.85"/97.8mm**
Valve	Exh	2004-16	**10-03030**	1.236 Head Dia. 0.234 Stem. 3.702 OAL. OEM # 132028J110. Old Style. Not for use w/ short lifter.	
	Int	2004-15	**10-03029**	1.465 Head Dia. 0.235 Stem. 3.798 OAL. OEM # 132017S000. Old Style. Not for use w/ short lifter	
Guide	Exh	2004-24	**30-8217**	1.690 OAL. 0.2365 I.D. Plain Port End	
	Int	2004-16	**30-8216**	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	2004-24	**34-5012**	1 Round Groove	
Valve Stem Seal	Both	2004-24	**38-994-55**	Viton. Metal Clad.	
LINE 67	**6.9L 24V FD6T, FE6T Diesel**			**L6**	**BORE - 4.25"/108.0mm**
Valve	Exh		**10-30158**	1.554 Head Dia. 0.351 Stem. OEM # 13202-Z5501K	
	Int		**10-30157**	1.912 Head Dia. 0.351 Stem. OEM # 13201-Z5501K	
Guide	Both		**30-3301**	2.365 OAL. 0.357 I.D. OEM # 13211-Z5500	
Valve Stem Seal	Both		**38-7004-55**	Metal Clad. Viton.	
Injector Component			**87-3322**	2.772 Length 0.9890 O.D. OEM # 11070-Z5504	

ENGINE	YEAR	CYL.	LINE NO.
1360cc (1.4L) SOHC 8V TU3JP (Non-USA)	2000-11	L4	**1**
1560cc 1.6L SOHC 8V D TRB DV6DTED	2009-20	L4	**2**
1560cc 1.6L DOHC 16V D DW6TED4 (non-USA)	2003-17	L4	**3**
1587cc (1.6L) DOHC 16V TU5JP4 (Non-USA)	2001-11	L4	**4**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1360cc (1.4L) SOHC 8V TU3JP (Non-USA)**				**2000-11 L4 BORE - 2.95"/74.9mm**
Valve	Exh	2000-11	**10-30117**	1.150 Head Dia. 0.274 Stem. 4.433 OAL. OEM # 094959	
	Int	2000-11	**10-30116**	1.449 Head Dia. 0.274 Stem. 4.470 OAL. OEM # 094891	
LINE 2	**1560cc 1.6L SOHC 8V D TRB DV6DTED**				**2009-20 L4 BORE - 2.95"/75mm**
Valve	Exh	2009-20	**10-30833**	1.082 Head Dia. 0.215 Stem. 3.759 OAL. OEM # 0949F5	
	Int	2009-20	**10-30834**	1.188 Head Dia. 0.215 Stem. 3.769 OAL. OEM # 0948F7	
LINE 3	**1560cc 1.6L DOHC 16V D DW6TED4 (non-USA)**				**2003-17 L4 BORE**
Valve	Exh	2003-17	**10-30835**	0.925 Head Dia. 0.215 Stem. 3.803 OAL. OEM # 0949C3	
	Int	2003-17	**10-30836**	1.007 Head Dia. 0.215 Stem. 3.796 OAL. OEM # 0948C7	
LINE 4	**1587cc (1.6L) DOHC 16V TU5JP4 (Non-USA)**				**2001-11 L4 BORE - 3.09"/78.5mm**
Valve	Exh	2001-11	**10-30127**	0.965 Head Dia. 0.2352 Stem. 4.110 OAL. OEM # 0949C5	
	Int	2001-11	**10-30126**	1.232 Head Dia. 0.2352 Stem. 4.087 OAL. OEM # 0948A9	

ENGINE	YEAR	CYL.	LINE NO.
1.0L B4D 12V DOHC	2016-25	L3	**1**
1390cc (1.4L) DOHC 16V K4J (non-USA)		L4	**2**
1397cc (1.4L) C35 OHC Vin D,E 8V	1983-87	L4	**3**
1598cc (1.6L) SOHC 8V K7M (non-USA)	1996-14	L4	**4**
1598cc (1.6L) DOHC 16V K4M	1999-24	L4	**5**
1721cc (1.7L) SOHC F3N 90HP	1985-87	L4	**6**
1965cc (2.0L) SOHC 8V F3R	1987-87	L4	**7**
1998cc (2.0L) DOHC 16V F4R	2001-09	V6	**8**
2165cc (2.2L) SOHC Vin F	1984-90	L4	**9**

COMPONENT	I/E/B	YEARS	PART No.	NOTE
LINE 1	**1.0L B4D 12V DOHC**			**2016-25 L3 BORE - 2.80"/71mm**
Valve	Exh	2016-25	**10-30855**	0.882 Head Dia. 0.1953 Stem. 3.835 OAL. OEM # 8201705203.
	Int	2016-25	**10-30856**	1.062 Head Dia. 0.196 Stem. 3.721 OAL. OEM # 8201705201.
LINE 2	**1390cc (1.4L) DOHC 16V K4J (non-USA)**			**L4 BORE -**
Valve	Exh		**10-3003**	1.102 Head Dia.
	Exh		**10-3003I**	1.102 Head Dia. Intake Matl. (Magnetic)
	Int		**10-3002**	1.287 Head Dia.
Guide	Both		**30-3217**	1.602 OAL.
Lifter	Both		**36-7114**	Hydraulic OEM # 1323100QAA
Valve Stem Seal	Both		**38-6117-55**	Viton. Top Hat
LINE 3	**1397cc (1.4L) C35 OHC Vin D,E 8V**			**1983-87 L4 BORE - 2.99"/76.0mm**
Valve Seat Insert	Int	1983-87	**21-1437-53**	1.090T I.D. 1-7/16 O.D. 0.354 Depth
LINE 4	**1598cc (1.6L) SOHC 8V K7M (non-USA)**			**1996-14 L4 BORE - 3.13"/79.5mm**
Valve	Exh	1996-14	**10-30148**	1.322 Head Dia. 0.274 Stem. 4.245 OAL. OEM # 7701475894
	Int	1996-14	**10-30147**	1.476 Head Dia. 0.274 Stem. 4.256 OAL. OEM # 7701475895
LINE 5	**1598cc (1.6L) DOHC 16V K4M**			**1999-24 L4 BORE - 3.13"/79.5mm**
Valve	Exh	2001-20	**10-3003**	1.102 Head Dia. 0.2148 Stem. 4.240 OAL. OEM 7701472124#
	Exh	2001-20	**10-3003I**	1.102 Head Dia. 0.2148 Stem. 4.240 OAL. Intake Matl. (Magnetic)
	Int	2001-20	**10-3002**	1.287 Head Dia. 0.2153 Stem. 4.303 OAL. OEM # 7701472124
Guide	Both	2001-20	**30-3217**	1.602 OAL
Lifter	Both	1999-20	**36-7114**	Hydraulic. OEM # 7700107555
Valve Stem Seal	Both	2001-20	**38-6117-55**	Viton. Top Hat
LINE 6	**1721cc (1.7L) SOHC F3N 90HP**			**1985-87 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1985-87	**10-10131S**	1.281 Head Dia.
LINE 7	**1965cc (2.0L) SOHC 8V F3R**			**1987-87 L4 BORE - 3.23"/82.0mm**
Valve	Exh	1987-87	**10-10131S**	1.281 Head Dia.
LINE 8	**1998cc (2.0L) DOHC 16V F4R**			**2001-09 V6 BORE - 3.26"/82.7mm**
Valve	Exh	2001-09	**10-03036**	1.114 Head Dia.
	Int	2001-09	**10-03035**	1.299 Head Dia.
Lifter	Both	2001-07	**36-7114**	Hydraulic. OEM # 7700107555
LINE 9	**2165cc (2.2L) SOHC Vin F**			**1984-90 L4 BORE - 3.47"/88.0mm**
Keeper	Both	1984-90	**34-614**	Heat Treated. 1 Groove.
Expansion Plug Kit		1984-90	**97-88**	Steel Kit.

see online catalog for latest appl. info.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 9	2165cc (2.2L) SOHC Vin F			1984-90 L4	BORE - 3.47"/88.0mm
Expansion Plug Kit		1984-90	97-88B	Brass Kit.	

ENGINE	YEAR	CYL.	LINE NO.
1985cc (2.0L) SOHC 8V Vin B,3	1973-90	L4	**1**
1985cc (2.0L) DOHC 16V Turbo Vin L	1986-93	L4	**2**
1988cc (2.0L) DOHC 16V Vin Y B207	2003-11	L4	**3**
1994cc (2.0L) DOHC 16V Turbo (Subaru)	2005-05	H4	**4**
2458cc (2.5L) SOHC 16V EJ251/2/3 Vin 6 (Subaru)	2005-06	H4	**5**
2498cc (2.5L) DOHC 24V Vin V	1994-97	V6	**6**
2792cc (2.8L) DOHC 24V Vin J,U (GM)	2006-11	V6	**7**
2961cc (3.0L) DOHC 24V Vin W, Z Turbo	1995-03	V6	**8**
2997cc (3.0L) DOHC 24V (GM) LF1	2011-11	V6	**9**
256 C.I. (4.2L) DOHC 24V Vin S (GM Vortec)	2005-09	L6	**10**
325 C.I. (5.3L) FI 16V Vin M (Vortec)	2005-09	V8	**11**
364 C.I. (6.0L) OHV 16V Vin H (GM Vortec)	2008-09	V8	**12**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1985cc (2.0L) SOHC 8V Vin B,3**				**1973-90 L4 BORE - 3.50"/88.9mm**
Valve Seat Insert	Int	1973-90	**21-1750-65**	1.468 I.D. 1-3/4 O.D. 0.276 Depth	
Valve Stem Seal	Both	1973-90	**38-938-25**	Polyacrylic. Ring And Band.	
	Both	1973-90	**38-938-45**	Viton. Ring And Band. Use w/ 0.552 O.D. Guide	
	Both	1973-90	**38-964-55**	Viton. Metal Clad.	
LINE 2	**1985cc (2.0L) DOHC 16V Turbo Vin L**				**1986-93 L4 BORE - 3.50"/88.9mm**
Valve Seat Insert	Exh	1986-93	**21-1312-68**	0.975 I.D. 1-5/16 O.D. 0.280 Depth	
	Int	1986-93	**21-1375-51**	1.060T I.D. 1-3/8 O.D. 0.280 Depth	
LINE 3	**1988cc (2.0L) DOHC 16V Vin Y B207**				**2003-11 L4 BORE - 3.39"/86.1mm**
Valve	Exh	2003-11	**10-2010S**	1.185 Head Dia.	
	Int	2003-11	**10-13293**	1.382 Head Dia. Nitrided. Can Use 10-1997 Chrome Stem	
Guide	Both	2003-11	**30-3029**	1.420 OAL.	
Spring	Both	2003-11	**32-04060**	1.678 Free Length	
Keeper	Both	2003-11	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2003-11	**36-7082**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2003-11	**38-3500-45**	Viton. Top Hat	
Rocker Component	Both	2003-11	**40-2917**	Rocker Arm	
Retainer	Both	2003-11	**55-7712**	0.980 O.D. 0.235 Stem	
LINE 4	**1994cc (2.0L) DOHC 16V Turbo (Subaru)**				**2005-05 H4 BORE - 3.62"/91.9mm**
Valve	Exh	2005-05	**10-13203S**	1.260 Head Dia. 4.120 Length.	
	Int	2005-05	**10-13201**	1.417 Head Dia. 4.110 Length.	
Guide	Exh	2005-05	**30-3119**	1.872 OAL. 0.236 I.D. 0.436 O.D.	
	Int	2005-05	**30-3118**	1.556 OAL. 0.236 I.D. 0.436 O.D.	
Valve Stem Seal	Both	2005-05	**38-475-45**	Viton. Metal Clad.	
LINE 5	**2458cc (2.5L) SOHC 16V EJ251/2/3 Vin 6 (Subaru)**				**2005-06 H4 BORE - 3.92"/99.5mm**
Valve	Exh	2005-06	**10-10807**	1.239 Head Dia	
	Exh	2006-06	**10-13203S**	1.260 Head Dia. 4.120 Length. DOHC Turbo	
	Int	2005-06	**10-10806**	1.417 Head Dia	
	Int	2006-06	**10-13201**	1.417 Head Dia. 4.110 Length. DOHC Turbo	
Guide	Both	2005-06	**30-8203**	2.065 OAL. 0.2367 I.D. 0.4365 O.D.	
	Exh	2006-06	**30-3119**	1.872 OAL. 0.236 I.D. 0.436 O.D.	
	Int	2006-06	**30-3118**	1.556 OAL. 0.236 I.D. 0.436 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 5	2458cc (2.5L) SOHC 16V EJ251/2/3 Vin 6 (Subaru)				2005-06 H4 BORE - 3.92"/99.5mm
Valve Stem Seal	Both	2005-06	38-475-45	Viton. Metal Clad.	
LINE 6	2498cc (2.5L) DOHC 24V Vin V				1994-97 V6 BORE - 3.21"/81.5mm
Valve	Exh	1993-97	10-2040S	1.142 Head Dia. Bi-Metallic, Stellite	
	Int	1994-97	10-10784	1.260 Head Dia.	
Guide	Exh	1994-97	30-3011	1.378 OAL. Cast Iron.	
	Int	1994-97	30-3010	1.773 OAL. Cast Iron.	
	Exh	1994-97	31-3011	1.378 OAL. Manganese Bronze.	
	Int	1994-97	31-3010	1.773 OAL. Manganese Bronze.	
Spring	Both	1994-97	32-2488	1.673 Free Length.	
Lifter	Both	1993-97	36-7089	Hydraulic	
Valve Stem Seal	Both	1994-97	38-1329-45	Viton. Metal Clad.	
LINE 7	2792cc (2.8L) DOHC 24V Vin J,U (GM)				2006-11 V6 BORE - 3.50"/88.9mm
Valve	Int	2006-11	10-13211	1.384 Head Dia. 0.2348 Stem	
Guide	Both	2006-11	30-3112	1.655 OAL. 0.2365 I.D. 0.4358 O.D.	
Spring	Both	2006-11	32-5001	1.729 Free Length. Conical	
Keeper	Both	2006-11	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Valve Stem Seal	Both	2006-11	38-6036-55	Viton. Top Hat.	
Rocker Component	Both	2006-11	40-3901	Rocker Arm	
LINE 8	2961cc (3.0L) DOHC 24V Vin W, Z Turbo				1995-03 V6 BORE - 3.39"/86.1mm
Valve	Exh	1995-03	10-2040S	1.142 Head Dia. Bi-Metallic, Stellite	
	Int	1995-03	10-10784	1.260 Head Dia	
Guide	Exh	1995-03	30-3011	1.378 OAL. Cast Iron.	
	Int	1995-03	30-3010	1.773 OAL. Cast Iron.	
	Exh	1995-03	31-3011	1.378 OAL. Manganese Bronze.	
	Int	1995-03	31-3010	1.773 OAL. Manganese Bronze.	
Spring	Both	1995-03	32-2488	1.673 Free Length.	
Keeper	Both	1995-03	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1995-03	36-7089	Hydraulic	
Valve Stem Seal	Both	1995-03	38-1329-45	Viton. Metal Clad.	
LINE 9	2997cc (3.0L) DOHC 24V (GM) LF1				2011-11 V6 BORE - 3.50"/88.9mm
Valve	Exh	2011-11	10-13212	1.205 Head Dia. 0.2344 Stem	
	Int	2011-11	10-13211	1.384 Head Dia. 0.2348 Stem	
Guide	Both	2011-11	30-3112	1.655 OAL. 0.2365 I.D. 0.4358 O.D.	
Keeper	Both	2011-11	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Lifter	Both	2011-11	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2011-11	38-6036-55	Viton. Top Hat.	
Rocker Component	Both	2011-11	40-3901	Rocker Arm	
Retainer	Both	2011-11	55-6735	Chrome Moly. 0.735 O.D. 0.235 Stem	
LINE 10	256 C.I. (4.2L) DOHC 24V Vin S (GM Vortec)				2005-09 L6 BORE - 3.66"/93.0mm
Valve	Exh	2006-09	10-13046	1.323 Head Dia.	
	Exh	2005-05	10-1999	1.201 Head Dia. 0.2343 Stem	
	Int	2006-09	10-13179	1.525 Head Dia.	
	Int	2005-05	10-1998	1.457 Head Dia. 0.2347 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 10	256 C.I. (4.2L) DOHC 24V Vin S (GM Vortec)			2005-09 L6	BORE - 3.66"/93.0mm
Guide	Both	2005-09	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.	
Spring	Both	2005-09	32-04051	1.770 Free Length	
Keeper	Both	2005-09	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2005-09	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2005-05	38-354-45	Viton. Top Hat	
	Both	2006-09	38-6995-45	Viton. Top Hat.	
Rocker Component	Both	2005-09	40-3901	Rocker Arm	
LINE 11	325 C.I. (5.3L) FI 16V Vin M (Vortec)			2005-09 V8	BORE - 3.78"/96.0mm
Valve	Exh	2005-09	10-1935	1.550 Head Dia.Includes Flex-Fuel	
	Int	2008-09	10-13244	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. Nitrided	
	Int	2005-07	10-1934	1.890 Head Dia. Includes Flex-Fuel	
Valve Seat Insert	Exh	2005-09	21-1625-64	1.335T I.D. 1-5/8 O.D. 0.4200 Depth	
	Int	2005-09	21-2062-50	1.750 I.D. 2-1/16 O.D. 0.420 Depth	
Guide	Both	2005-09	30-3053	2.115 OAL. 0.3154 I.D. 0.500 O.D.	
	Both	2005-09	30-3053H	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened	
Spring	Both	2006-09	32-04046	2.126 Free Length. Conical. Ovate.	
Keeper	Both	2005-09	34-5005	0.314 Stem. Round Bead in Middle.	
Lifter	Both	2005-09	36-2148	Hydraulic Roller. Rotate Oil Hole Up To Install	
	Both	2005-09	36-2148G	Lifter Guide, Dogbone Type	
	Both	2006-09	36-2303	Hydraulic Roller. 3.785 OAL. AFM. "De-Ac". GM # 12639516	
	Both	2006-09	36-2303FG	Front Guide for AFM. Guide Only. 12571596	
	Both	2006-09	36-2303FLA	Front Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645724	
	Both	2006-09	36-2303RG	Rear Guide for AFM. Guide Only. 12571608	
	Both	2006-09	36-2303RLA	Rear Lifter Assy. For AFM. 4 Lifters 1 Guide. 12645723	
Valve Stem Seal	Exh	2005-09	38-901-45	Viton. Top Hat	
	Int	2005-09	38-900-45	Viton. Top Hat	
Retainer	Both	2006-09	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem	
Push Rod	Both	2006-09	74-6614	7.397 Length	
LINE 12	364 C.I. (6.0L) OHV 16V Vin H (GM Vortec)			2008-09 V8	BORE - 4.00"/101.6mm
Valve	Exh	2008-09	10-1935	1.550 Head Dia. 0.314 Stem 1 Groove. LS1	
	Int	2008-09	10-13244	2.000 Head Dia. 0.3135 Stem. 4.870 OAL. Nitrided	
Valve Seat Insert	Exh	2008-09	21-1625-54	1.329 I.D. 1-5/8 O.D. 0.280 Depth.	
	Int	2008-09	21-2062-51	1.750 I.D. 2-1/16 O.D. 0.390 Depth	
Guide	Both	2008-09	30-3053	2.115 OAL. 0.3154 I.D. 0.500 O.D.	
	Both	2008-09	30-3053H	2.115 OAL. 0.3154 I.D. 0.500 O.D. Hardened	
Spring	Both	2008-09	32-04046	2.126 Free Length. Conical. Ovate.	
Keeper	Both	2008-09	34-5005	0.314 Stem. Round Bead in Middle.	
Lifter	Both	2008-09	36-2148	Hydraulic Roller. Rotate Oil Hole Up to Install	
	Both	2008-09	36-2148G	Lifter Guide, Dogbone Type	
Valve Stem Seal	Exh	2008-09	38-901-45	Viton. Top Hat	
	Int	2008-09	38-900-45	Viton. Top Hat	
Retainer	Both	2008-09	55-6103	Chrome Moly. 1.030 O.D. 0.315 Stem	
Push Rod	Both	2008-09	74-6614	7.397 Length	

ENGINE	YEAR	CYL.	LINE NO.
1189cc (1.2L) SOHC 9V Vin 7,8 EF12	1987-95	L3	**1**
1595cc (1.6L) OHV 8V Vin 2,3 EA71	1976-89	H4	**2**
1781cc (1.8L) OHV 8V Vin 4,5 EA81/T (Turbo)	1980-89	H4	**3**
1781cc (1.8L) SOHC 8V Vin 4,5,7 EA82/S/T Trb	1985-94	H4	**4**
1781cc (1.8L) SOHC Vin 1,2 EJ18E	1993-97	H4	**5**
1994cc (2.0L) DOHC 16V EJ20 Turbo	2002-05	H4	**6**
1995cc (2.0L) DOHC 16V FB20/V/X	2012-25	H4	**7**
1998cc (2.0L) DOHC Gas 16V FA20D/F	2013-20	H4	**8**
2212cc (2.2L) SOHC 16V Vin 3,4,6 EJ22/T (Turbo)	1990-01	H4	**9**
2387cc (2.4L) DOHC Gas 16V FA24	2019-24	H4	**10**
2458cc (2.5L) DOHC/SOHC 16V EJ25 TRB	1996-19	H4	**11**
2498cc (2.5L) DOHC 16V FB25	2011-24	H4	**12**
2672cc (2.7L) SOHC 12V Vin 8,9 ER27	1988-91	H6	**13**
2999cc (3.0L) DOHC 24V EZ30/D	2001-09	H6	**14**
3317cc (3.3L) DOHC 24V Vin 3,8 EG33D	1992-97	H6	**15**
3630cc (3.6L) DOHC 24V EZ36	2008-19	H6	**16**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1189cc (1.2L) SOHC 9V Vin 7,8 EF12**				**1987-95 L3 BORE - 3.00"/76.2mm**
Valve Seat Insert	Exh	1987-95	**21-1437-65**	1.105 I.D. 1-7/16 O.D. 0.322 Depth NOTE: These Heads Have Various Depth Factory Installed Seats. The Above Seats May Have To Be Topped In Order To Accommodate Certain Cylinder Heads	
Guide	Exh	1987-95	**30-8146**	2.325 OAL	
	Int	1987-95	**30-8145**	2.166 OAL	
Valve Stem Seal	Both	1987-95	**38-125-65**	Silicone. 2-Ring.	
	Both	1987-95	**38-1321-55**	Viton. Metal Clad.	
LINE 2	**1595cc (1.6L) OHV 8V Vin 2,3 EA71**				**1976-89 H4 BORE - 3.60"/91.4mm**
Valve Seat Insert	Int	1976-89	**21-1812-52**	1.440T I.D. 1-13/16 O.D. 0.315 Depth.	
Guide	Both	1976-89	**30-8143**	2.260 OAL	
LINE 3	**1781cc (1.8L) OHV 8V Vin 4,5 EA81/T (Turbo)**				**1980-89 H4 BORE - 3.60"/91.4mm**
Valve Seat Insert	Int	1980-89	**21-1812-52**	1.440T I.D. 1-13/16 O.D. 0.315 Depth.	
Guide	Both	1980-89	**30-8143**	2.260 OAL	
LINE 4	**1781cc (1.8L) SOHC 8V Vin 4,5,7 EA82/S/T Trb**				**1985-94 H4 BORE - 3.60"/91.4mm**
Valve Seat Insert	Int	1985-94	**21-1812-52**	1.440T I.D. 1-13/16 O.D. 0.315 Depth.	
Guide	Exh	1985-94	**30-8146**	2.325 OAL	
	Int	1985-94	**30-8145**	2.166 OAL	
Valve Stem Seal	Both	1985-94	**38-125-65**	Silicone. 2-Ring.	
	Both	1985-94	**38-976-45**	Viton. Ring and Spring	
LINE 5	**1781cc (1.8L) SOHC Vin 1,2 EJ18E**				**1993-97 H4 BORE - 3.60"/91.4mm**
Guide	Both	1993-97	**30-8203**	2.065 OAL. 0.2367 I.D. 0.4365 O.D.	
Lifter	Both	1993-97	**36-2254**	Hydraulic	
Valve Stem Seal	Exh	1993-97	**38-1321-55**	Viton. Metal Clad.	
LINE 6	**1994cc (2.0L) DOHC 16V EJ20 Turbo**				**2002-05 H4 BORE - 3.60"/91.4mm**
Valve	Exh	2002-05	**10-13203S**	1.260 Head Dia. 4.120 Length.	
	Int	2002-05	**10-13201**	1.417 Head Dia. 4.110 Length.	
Guide	Exh	2002-05	**30-3119**	1.872 OAL. 0.236 I.D. 0.436 O.D.	
	Int	2002-05	**30-3118**	1.556 OAL. 0.236 I.D. 0.436 O.D.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 6	1994cc (2.0L) DOHC 16V EJ20 Turbo				2002-05 H4 BORE - 3.60"/91.4mm
Valve Stem Seal	Both	2002-05	38-475-45	Viton. Metal Clad.	
LINE 7	1995cc (2.0L) DOHC 16V FB20/V/X				2012-25 H4 BORE - 3.31"/84.1mm
Keeper	Both	2012-24	34-5034	1 Rd Middle Bead. 0.215 Stem	
Valve Stem Seal	Both	2012-24	38-6108-55	Viton. Metal Clad	
LINE 8	1998cc (2.0L) DOHC Gas 16V FA20D/F				2013-20 H4 BORE - 3.39"/86.1mm
Keeper	Both	2013-20	34-5034	1 Rd Middle Bead. 0.215 Stem	
Valve Stem Seal	Both	2013-20	38-6108-55	Viton. Metal Clad	
LINE 9	2212cc (2.2L) SOHC 16V Vin 3,4,6 EJ22/T (Turbo)				1990-01 H4 BORE - 3.80"/96.5mm
Valve	Exh	1999-01	10-10807	1.239 Head Dia	
	Int	1990-99	10-10299	1.280 Head Dia. 0.234 Stem	
	Int	1999-01	10-10806	1.417 Head Dia	
Valve Seat Insert	Exh	1990-98	21-1250-63	0.930 I.D. 1-1/4 O.D. 0.325 Depth	
	Int	1990-98	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1990-01	30-8203	2.065 OAL. 0.2367 I.D. 0.4365 O.D.	
Keeper	Both	1990-01	34-5035	1 Round Bead	
Lifter	Both	1990-98	36-2254	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1990-01	38-475-45	Viton. Metal Clad	
LINE 10	2387cc (2.4L) DOHC Gas 16V FA24				2019-24 H4 BORE - 3.70"/94.0mm
Keeper	Both	2019-24	34-5034	1 Rd Middle Bead. 0.215 Stem	
Valve Stem Seal	Both	2019-24	38-6108-55	Viton. Metal Clad	
LINE 11	2458cc (2.5L) DOHC/SOHC 16V EJ25 TRB				1996-19 H4 BORE - 3.92"/99.5mm
Valve	Exh	1997-98	10-13140S	1.260 Head Dia. 4.181 OAL. DOHC	
	Exh	2004-19	10-13203S	1.260 Head Dia. 4.120 Length. DOHC Turbo	
	Ext	1999-14	10-10807	1.239 Head Dia. 4.79 Length. SOHC	
	Int	1999-14	10-10806	1.417 Head Dia. 4.76 Length. SOHC	
	Int	1997-98	10-13139S	1.417 Head Dia. 4.169 OAL. DOHC	
	Int	2004-19	10-13201	1.417 Head Dia. 4.110 Length. DOHC Turbo	
Guide	Both	1997-12	30-8203	2.065 OAL. 0.2367 I.D. 0.4365 O.D. SOHC	
	Exh	2004-19	30-3119	1.872 OAL. 0.236 I.D. 0.436 O.D. DOHC	
	Exh	1996-98	30-8565	1.595 OAL	
	Int	2004-19	30-3118	1.556 OAL. 0.236 I.D. 0.436 O.D. DOHC	
	Int	1996-98	30-8564	1.280 OAL.	
Keeper	Both	1996-19	34-5035	1 Round Bead	
Valve Stem Seal	Both	1996-19	38-475-45	Viton. Metal Clad.	
LINE 12	2498cc (2.5L) DOHC 16V FB25				2011-24 H4 BORE - 3.70"/94.0mm
Keeper	Both	2011-19	34-5034	1 Rd Middle Bead. 0.215 Stem	
Valve Stem Seal	Both	2011-19	38-6108-55	Viton. Metal Clad	
LINE 13	2672cc (2.7L) SOHC 12V Vin 8,9 ER27				1988-91 H6 BORE - 3.60"/91.4mm
Valve Seat Insert	Int	1988-91	21-1812-52	1.440T I.D. 1-13/16 O.D. 0.315 Depth.	
Guide	Exh	1988-91	30-8146	2.325 OAL	
	Int	1988-91	30-8145	2.166 OAL	
Valve Stem Seal	Both	1988-91	38-125-65	Silicone. 2-Ring.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 13	**2672cc (2.7L) SOHC 12V Vin 8,9 ER27**				**1988-91 H6 BORE - 3.60"/91.4mm**
Valve Stem Seal	Both	1988-91	**38-1321-55**	Viton. Metal Clad.	
LINE 14	**2999cc (3.0L) DOHC 24V EZ30/D**				**2001-09 H6 BORE - 3.51"/89.2mm**
Valve	Exh	2005-09	**10-13260**	1.201 Head Dia. 0.2147 Stem. 4.142 OAL	
	Exh	2001-04	**10-3047**	1.200 Head Dia. 0.2144 Stem. 4.063 OAL.	
	Int	2005-09	**10-13259**	1.378 Head Dia. 0.2151 Stem. 3.925 OAL	
	Int	2001-04	**10-3048**	1.378 Head Dia. 0.215 Stem. 4.059 OAL.	
Guide	Exh	2001-09	**30-3219**	1.752 OAL. 0.397 O.D. 0.2120 I.D.	
	Int	2001-09	**30-3218**	1.458 OAL. 0.397 O.D. 0.2120 I.D.	
Keeper	Both	2001-09	**34-5034**	1 Rd Middle Bead. 0.215 Stem	
Valve Stem Seal	Both	2001-09	**38-6108-55**	Viton. Metal Clad	
LINE 15	**3317cc (3.3L) DOHC 24V Vin 3,8 EG33D**				**1992-97 H6 BORE - 3.80"/96.5mm**
Guide	Exh	1992-97	**30-8565**	1.595 OAL	
	Int	1992-97	**30-8564**	1.280 OAL	
Valve Stem Seal	Both	1992-97	**38-475-45**	Viton. Metal Clad.	
LINE 16	**3630cc (3.6L) DOHC 24V EZ36**				**2008-19 H6 BORE - 3.62"/91.9mm**
Valve	Exh	2008-19	**10-13262**	1.260 Head Dia.	
	Int	2008-19	**10-13261**	1.417 Head Dia.	
Guide	Exh	2008-19	**30-3219**	1.752 OAL. 0.397 O.D. 0.2120 I.D.	
	Int	2008-19	**30-3218**	1.458 OAL. 0.397 O.D. 0.2120 I.D.	
Keeper	Both	2008-19	**34-5034**	1 Rd Middle Bead. 0.215 Stem	
Valve Stem Seal	Both	2008-19	**38-6108-55**	Viton. Metal Clad	

ENGINE	YEAR	CYL.	LINE NO.
1298cc (1.3L) SOHC 8V G13	1986-97	L4	**1**
1298cc (1.3L) DOHC 16V G13K	1989-95	L4	**2**
1298cc (1.3L) SOHC 16V G13B	1998-01	L4	**3**
1590cc (1.6L) SOHC 8V G16KC	1989-95	L4	**4**
1590cc (1.6L) SOHC 16V G16KV/B, Vin 0,1,3	1992-02	L4	**5**
1840cc (1.8L) DOHC G18KV, J18A Vin 2,4 8V	1996-02	L4	**6**
1995cc (2.0L) DOHC 16V J20A	1999-03	L4	**7**
1995cc (2.0L) DOHC 16V J20B Vin 5	2007-13	L4	**8**
1998cc (2.0L) DOHC 16V Ecotec Vin Z	2004-08	L4	**9**
2290cc (2.3L) DOHC 16V J23A	2004-07	L4	**10**
2393cc (2.4L) DOHC 16V J24B	2009-13	L4	**11**
2488cc (2.5) DOHC 16V (Nissan QR25DE)	2009-12	L4	**12**
2494cc (2.5L) DOHC 24V H25A	1999-05	V6	**13**
2737cc (2.7L) DOHC 24V H27A	2001-08	V6	**14**
3195cc (3.2L) DOHC 24V N32A Vin 1	2009-10	V6	**15**
3564cc (3.6L) DOHC 24V N36A	2007-09	V6	**16**
3954cc (4.0L) DOHC 24V VQ40DE (Nissan)	2009-12	V6	**17**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1298cc (1.3L) SOHC 8V G13**				**1986-97 L4 BORE - 2.91"/74.0mm**
Valve	Exh	1986-97	**10-10302**	1.181 Head Dia.	
	Int	1986-97	**10-10103**	1.417 Head Dia.	
Valve Seat Insert	Exh	1986-97	**21-1375-64**	1.000 I.D. 1-3/8 O.D. 0.280 Depth.	
Guide	Both	1986-97	**30-8016**	1.895 OAL. +2 O/S Avail.	
Keeper	Both	1986-97	**34-5009**	1 Round Bead. 0.274 Stem	
Lifter	Both	1995-97	**36-2254**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	1986-97	**38-700-45**	Viton. Metal Clad.	
LINE 2	**1298cc (1.3L) DOHC 16V G13K**				**1989-95 L4 BORE - 2.91"/74.0mm**
Valve	Exh	1989-95	**10-10304**	0.944 Head Dia.	
Valve Seat Insert	Int	1989-95	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
Guide	Both	1989-95	**30-8144**	1.690 OAL	
Lifter	Both	1989-95	**36-2272**	Hydraulic Bucket	
Valve Stem Seal	Both	1989-95	**38-701-45**	Viton. Metal Clad.	
LINE 3	**1298cc (1.3L) SOHC 16V G13B**				**1998-01 L4 BORE - 2.91"/74.0mm**
Valve	Exh	1998-01	**10-10517**	0.986 Head Dia. 0.215 Stem	
	Int	1998-01	**10-10516**	1.149 Head Dia. 0.215 Stem	
Guide	Both	1998-01	**30-8324**	1.260 OAL	
Keeper	Both	1998-01	**34-5008**	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1998-01	**38-701-45**	Viton. Metal Clad.	
LINE 4	**1590cc (1.6L) SOHC 8V G16KC**				**1989-95 L4 BORE - 2.95"/75.0mm**
Valve	Exh	1989-95	**10-10173**	1.278 Head Dia. 0.274 Stem	
	Exh	1989-95	**10-10173S**	1.278 Head Dia. Stellite	
	Int	1989-95	**10-10172**	1.441 Head Dia. 0.274 Stem	
Valve Seat Insert	Exh	1989-95	**21-1375-56**	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
	Int	1989-95	**21-1500-79**	1.295 I.D. 1-1/2 O.D. 0.262 Depth.	
Guide	Both	1989-95	**30-8016**	1.895 OAL. +2 O/S Avail.	
Keeper	Both	1989-95	**34-5009**	1 Round Bead. 0.274 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	1590cc (1.6L) SOHC 8V G16KC				1989-95 L4 BORE - 2.95"/75.0mm
Valve Stem Seal	Both	1989-95	38-700-45	Viton. Metal Clad.	
LINE 5	1590cc (1.6L) SOHC 16V G16KV/B, Vin 0,1,3				1992-02 L4 BORE - 2.95"/75.0mm
Valve	Exh	1992-02	10-10517	0.986 Head Dia. 0.215 Stem	
	Int	1992-02	10-10516	1.149 Head Dia. 0.215 Stem	
Valve Seat Insert	Exh	1992-02	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	1992-02	30-8324	1.260 OAL	
Keeper	Both	1992-02	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	1992-02	38-701-45	Viton. Metal Clad.	
LINE 6	1840cc (1.8L) DOHC G18KV, J18A Vin 2,4 8V				1996-02 L4 BORE - 3.31"/84.1mm
Valve	Exh	1996-02	10-10787S	1.102 Head Dia. 0.234 Stem. 3.382 OAL	
	Int	1996-02	10-10786	1.299 Head Dia. 0.235 Stem. 3.396 OAL	
Guide	Both	1996-02	30-8566	1.380 OAL	
Keeper	Both	1996-02	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	1996-02	36-2272	Hydraulic Bucket	
Valve Stem Seal	Both	1996-02	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 7	1995cc (2.0L) DOHC 16V J20A				1999-03 L4 BORE - 3.31"/84.1mm
Valve	Exh	1999-03	10-10787S	1.102 Head Dia. 0.234 Stem. 3.382 OAL	
	Int	1999-03	10-10786	1.299 Head Dia. 0.235 Stem. 3.396 OAL	
Guide	Both	1999-03	30-8566	1.380 OAL	
Keeper	Both	1999-03	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	1999-03	36-2272	Hydraulic Bucket	
Valve Stem Seal	Both	1999-03	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 8	1995cc (2.0L) DOHC 16V J20B Vin 5				2007-13 L4 BORE - 3.31"/84.1mm
Valve	Exh	2007-09	10-13198	1.102 Head Dia. 0.234 Stem. 3.673 OAL	
	Int	2007-09	10-13197	1.299 Head Dia. 0.235 Stem. 3.685 OAL	
Keeper	Both	2007-13	34-5008	1 Round Bead. 0.215 Stem Dia.	
	Both	2007-09	34-5022	1 Round Bead. 0.235 Stem Dia.	
Valve Stem Seal	Both	2007-13	38-701-45	Viton. Metal Clad.	
	Both	2007-09	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 9	1998cc (2.0L) DOHC 16V Ecotec Vin Z				2004-08 L4 BORE - 3.39"/86.1mm
Valve	Exh	2004-08	10-2040S	1.142 Head Dia. Bi-Metallic, Stellite.	
	Int	2004-08	10-10784	1.260 Head Dia.	
Guide	Exh	2004-08	30-3011	1.378 OAL. Cast Iron.	
	Int	2004-08	30-3010	1.773 OAL. Cast Iron.	
	Exh	2004-08	31-3011	1.378 OAL. Manganese Bronze.	
	Int	2004-08	31-3010	1.773 OAL. Manganese Bronze.	
Spring	Both	2004-08	32-2488	1.673 Free Length.	
Keeper	Both	2004-08	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2004-08	36-7089	Hydraulic	
Valve Stem Seal	Both	2004-08	38-1329-45	Viton. Metal Clad.	
LINE 10	2290cc (2.3L) DOHC 16V J23A				2004-07 L4 BORE - 3.53"/89.7mm
Keeper	Both	2004-07	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	2004-07	36-2272	Hydraulic Bucket	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 10	2290cc (2.3L) DOHC 16V J23A			2004-07 L4	BORE - 3.53"/89.7mm
Valve Stem Seal	Both	2004-07	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 11	2393cc (2.4L) DOHC 16V J24B			2009-13 L4	BORE - 3.62"/91.9mm
Valve	Exh	2009-13	10-13216	1.200 Head Dia. 0.214 Stem	
	Int	2009-13	10-13215	1.398 Head Dia. 0.215 Stem	
Keeper	Both	2009-13	34-5008	1 Round Bead. 0.215 Stem Dia.	
Valve Stem Seal	Both	2009-13	38-701-45	Viton. Metal Clad.	
LINE 12	2488cc (2.5) DOHC 16V (Nissan QR25DE)			2009-12 L4	BORE - 3.50"/88.9mm
Valve	Exh	2009-12	10-3181	1.209 Head Dia. 0.236 Stem. Smaller Keeper Dia. Equator	
	Int	2009-12	10-3180	1.402 Head Dia. 0.236 Stem. Smaller Keeper Dia. Equator	
Guide	Exh	2009-12	30-8217	1.690 OAL. Plain Port End	
	Int	2009-12	30-8216	1.690 OAL. Tapered Port End	
Keeper	Both	2009-12	34-5012	1 Round Groove. 0.215 Stem Dia.	
Valve Stem Seal	Both	2009-12	38-994-55	Viton. Metal Clad.	
LINE 13	2494cc (2.5L) DOHC 24V H25A			1999-05 V6	BORE - 3.31"/84.1mm
Valve	Exh	1999-05	10-10787S	1.102 Head Dia. 0.234 Stem. 3.382 OAL	
	Int	1999-05	10-10786	1.299 Head Dia. 0.235 Stem. 3.396 OAL	
Guide	Both	1999-05	30-8566	1.380 OAL	
Keeper	Both	1999-05	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	1999-05	36-2272	Hydraulic Bucket	
Valve Stem Seal	Both	1999-05	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 14	2737cc (2.7L) DOHC 24V H27A			2001-08 V6	BORE - 3.46"/87.9mm
Valve	Exh	2001-05	10-10787S	1.102 Head Dia. 0.234 Stem. 3.382 OAL	
	Exh	2006-08	10-13198	1.102 Head Dia. 0.234 Stem. 3.673 OAL	
	Int	2001-05	10-10786	1.299 Head Dia. 0.235 Stem. 3.396 OAL	
	Int	2006-08	10-13197	1.299 Head Dia. 0.235 Stem. 3.685 OAL	
Guide	Both	2001-08	30-8566	1.380 OAL. 0.236 I.D.	
Keeper	Both	2001-08	34-5022	1 Round Bead. 0.235 Stem Dia.	
Lifter	Both	2001-08	36-2272	Hydraulic Bucket	
Valve Stem Seal	Both	2001-08	38-998-45	Viton. Metal Clad. 0.236 Stem.	
LINE 15	3195cc (3.2L) DOHC 24V N32A Vin 1			2009-10 V6	BORE - 3.51"/89.2mm
Valve	Exh	2009-10	10-13335	1.205 Head Dia. 0.2344 Stem. Nitrided	
Guide	Both	2009-10	30-3112	1.655 OAL. 0.2365 I.D. 0.4358 O.D.	
Spring	Both	2009-10	32-5001	1.729 Free Length. Conical	
Keeper	Both	2009-10	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	
Lifter	Both	2009-10	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2009-10	38-6036-55	Viton. Top Hat.	
Rocker Component	Both	2009-10	40-3901	Rocker Arm	
LINE 16	3564cc (3.6L) DOHC 24V N36A			2007-09 V6	BORE - 3.70"/94.0mm
Valve	Exh	2007-09	10-13335	1.205 Head Dia. 0.2344 Stem. Nitrided	
	Int	2007-09	10-13334	1.457 Head Dia. 0.2348 Stem. 3.975 Length.	
Guide	Both	2007-09	30-3112	1.655 OAL. 0.2365 I.D. 0.4358 O.D.	
Spring	Both	2007-09	32-5001	1.729 Free Length. Conical	
Keeper	Both	2007-09	34-5032	1 Round Mid Bead. 0.235 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 16	3564cc (3.6L) DOHC 24V N36A			2007-09 V6	BORE - 3.70"/94.0mm
Lifter	Both	2007-09	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-09	38-6036-55	Viton. Top Hat.	
Rocker Component	Both	2007-09	40-3901	Rocker Arm	
LINE 17	3954cc (4.0L) DOHC 24V VQ40DE (Nissan)			2009-12 V6	BORE - 3.76"/95.5mm
Valve	Exh	2009-12	10-03030	1.236 Head Dia. 0.234 Stem	
	Int	2009-12	10-03029	1.465 Head Dia. 0.234 Stem	
Guide	Exh	2009-12	30-8217	1.690 OAL. 0.2365 I.D. Plain Port End	
	Int	2009-12	30-8216	1.690 OAL. 0.2365 I.D. Tapered Port End	
Keeper	Both	2009-12	34-5012	1 Round Groove	
Valve Stem Seal	Both	2009-12	38-994-55	Viton. Metal Clad.	

ENGINE	YEAR	CYL.	LINE NO.
1166cc (1.2L) OHV 3KC Vin K 8V	1969-79	L4	**1**
1290cc (1.3L) 4KC, 4KE 8V Vin K	1981-84	L4	**2**
1329cc (1.3L) DOHC 16V 1NRFE	2012-15	L4	**3**
1452cc (1.5L) SOHC 1AC, 3A, 3AC 8V Vin A	1980-88	L4	**4**
1456cc (1.5L) SOHC 12V 3E, 3EE Vin E	1987-94	L4	**5**
1497cc (1.5L) DOHC 16V 5EFE Vin C, E	1992-99	L4	**6**
1497cc (1.5L) DOHC 16V 1NZF(X)E (Hybrid)	2000-19	L4	**7**
1587cc (1.6L) SOHC 8V 4AC, 4ALC	1983-88	L4	**8**
1587cc (1.6L) DOHC 16V 4AGE, 4AGEC, 4AGELC, 4AGZE	1985-91	L4	**9**
1587cc (1.6L) DOHC 16V 4AF, 4AFE Vin A	1988-97	L4	**10**
1588cc (1.6L) OHV 2TC Vin T 8V	1971-79	L4	**11**
1762cc (1.8L) DOHC 16V 7AFE Vin A, B	1993-97	L4	**12**
1770cc (1.8L) 3TC Vin T 8V	1980-82	L4	**13**
1794cc (1.8L) 1ZZFE(D) 16V DOHC Vin R	1998-09	L4	**14**
1798cc (1.8L) DOHC 16V 2ZRFE/XE	2009-25	L4	**15**
1795cc (1.8L) DOHC 16V 2ZZGE	2000-06	L4	**16**
1838cc (1.8L) SOHC Diesel 1CLC, 1CTLC Turbo Vin C 8V	1983-85	L4	**17**
1858cc (1.9L) SOHC 8R, 8RC 8V	1965-72	L4	**18**
1896cc (1.9L) 3R, 3RB, 3RC	1964-70	L4	**19**
1968cc (2.0L) SOHC 8V 18RC	1972-74	L4	**20**
1987cc (2.0L) DOHC 16V 3ZR	2018-20	L4	**21**
1987cc (2.0L) DOHC 16V M20A-FXS	2019-25	L4	**22**
1995cc (2.0L) SOHC 2SELC Vin S 8V	1983-86	L4	**23**
1998cc (2.0L) 3YEC Vin Y 8V	1984-85	L4	**24**
1998cc (2.0L) DOHC 16V 3SGELC, 3SGTE Turbo Vin S	1986-95	L4	**25**
1998cc (2.0L) DOHC 16V 3SFE Vin S, P	1987-00	L4	**26**
1998cc (2.0L) DOHC 16V 1AZFE	2001-03	L4	**27**
1998cc (2.0L) DOHC 16V 8ARFTS	2015-24	L4	**28**
2164cc (2.2L) DOHC 16V 5SFE Vin G,S	1990-01	L4	**29**
2188cc (2.2L) SOHC Diesel Vin L 8V	1981-83	L4	**30**
2189cc (2.2L) SOHC 20R 8V Vin R	1975-80	L4	**31**
2237cc (2.2L) SOHC 4YEC, 8V, Vin Y	1986-90	L4	**32**
2253cc (2.3L) SOHC 2M	1968-72	L6	**33**
2362cc (2.4L) DOHC 16V 2AZFE\XE	2001-15	L4	**34**
2366cc (2.4L) SOHC 22R, 22RE, 22REC, 22RTEC 8V	1981-96	L4	**35**
2438cc (2.4L) DOHC 16V 2TZFE, 2TZFZE	1990-97	L4	**36**
2438cc (2.4L) DOHC 16V 2RZFE Vin L, U	1995-04	L4	**37**
2446cc (2.4L) SOHC Diesel 2L, 2LT 8V	1984-87	L4	**38**
2487cc (2.5L) DOHC 16V A25A-FXS	2018-25	L4	**39**
2494cc (2.5L) DOHC 16V 2ARFE/FXE	2009-21	L4	**40**
2499cc (2.5L) DOHC 24V 4GRFSE	2006-15	V6	**41**
2508cc (2.5L) DOHC 24V 2VZFE	1988-91	V6	**42**
2563cc (2.6L) SOHC 12V 4M, 4ME Vin M	1971-80	L6	**43**
2672cc (2.7L) DOHC 16V 1ARFE	2009-19	L4	**44**
2694cc (2.7L) DOHC 16V 3RZFE Vin M,U	1994-04	L4	**45**
2694cc (2.7L) DOHC 16V 2TRFE	2005-22	L4	**46**
2759cc (2.8L) SOHC 12V 5ME	1981-82	L6	**47**
2759cc (2.8L) DOHC 5MGE 12V	1982-88	L6	**48**
2954cc (3.0L) DOHC 24V 7MGE, 7MGTE Vin M	1986-92	L6	**49**
2958cc (3.0L) SOHC 12V 3VZE Vin V	1988-95	V6	**50**
2959cc (3.0L) DOHC 24V 3VZFE Vin V	1992-93	V6	**51**
2995cc (3.0L) DOHC 24V 1MZFE Vin F,G	1994-06	V6	**52**
2994cc (3.0L) DOHC 24V 3GRFSE	2006-06	V6	**53**
2997cc (3.0L) DOHC 24V 2JZGE, 2JZGTE Turbo	1992-05	L6	**54**

3310cc (3.3L) DOHC 24V 3MZFE	2004-10	V6	**55**
3378cc (3.4L) DOHC 24V 5VZFE Vin N, V	1995-04	V6	**56**
3445cc (3.4L) DOHC Gas 24V V35A-FTS	2018-25	V6	**57**
3456cc (3.5L) DOHC 24V 2GRFE/SE/XE	2005-23	V6	**58**
3878cc (3.9L) F, FJ 12V	1960-75	L6	**59**
3955cc (4.0L) 3F, 3FE 12V Vin F	1988-92	L6	**60**
3956cc (4.0L) DOHC 24V 1GRFE	2003-24	V6	**61**
3969cc (4.0L) DOHC 32V 1UZFE Vin H, U	1990-00	V8	**62**
4230cc (4.2L) 2F Vin F 12V	1975-87	L6	**63**
4293cc (4.3L) DOHC 32V 3UZFE	2001-10	V8	**64**
4477cc (4.5L) DOHC 24V 1FZFE Vin D, J	1993-97	L6	**65**
4608cc (4.6L) DOHC 32V 1URFSE	2007-23	V8	**66**
4663cc (4.7L) DOHC 32V 2UZFE Vin T	1998-09	V8	**67**
4968cc (5.0L) DOHC 32V 2URFSE	2008-16	V8	**68**
4969cc (5.0L) DOHC 32V 2URGSE	2008-24	V8	**69**
5663cc (5.7L) DOHC 32V VVT 3URFE/BE	2007-22	V8	**70**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1166cc (1.2L) OHV 3KC Vin K 8V**				**1969-79 L4 BORE - 2.95"/75.0mm**
Valve	Exh	11/74-79	**10-10308**	1.142 Head Dia. 0.3137 Stem.	
	Int	11/74-79	**10-10307**	1.417 Head Dia. 0.3137 Stem.	
Valve Seat Insert	Exh	1969-79	**21-1250-50**	0.965T I.D. 1-1/4 O.D. 1/4 Depth	
Guide	Int	1969-79	**30-7541**	1.980 OAL	
Keeper	Both	1969-79	**34-811**	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	11/74-79	**38-967-55**	Viton. Metal Clad.	
Push Rod	Both	1970-74	**74-6369**	8.879 Length	
Expansion Plug Kit		1969-79	**97-43**	Steel Kit.	
		1969-79	**97-43B**	Brass Kit.	
LINE 2	**1290cc (1.3L) 4KC, 4KE 8V Vin K**				**1981-84 L4 BORE - 2.95"/75.0mm**
Valve	Exh	1981-84	**10-10308**	1.142 Head Dia. 0.3137 Stem.	
	Int	1981-84	**10-10307**	1.417 Head Dia. 0.3137 Stem.	
Valve Seat Insert	Exh	1981-84	**21-1250-50**	0.965T I.D. 1-1/4 O.D. 1/4 Depth	
	Int	1981-84	**21-1500-56**	1.275T I.D. 1-1/2 O.D. 0.250 Depth	
Guide	Int	1981-84	**30-7541**	1.980 OAL	
Keeper	Both	1981-84	**34-811**	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1981-82	**38-967-55**	Viton. Metal Clad.	
Expansion Plug Kit		1981-84	**97-43**	Steel Kit.	
		1981-84	**97-43B**	Brass Kit.	
LINE 3	**1329cc (1.3L) DOHC 16V 1NRFE**				**2012-15 L4 BORE - 2.84"/72.1mm**
Guide	Both	2012-15	**30-8585**	1.590 OAL. 0.4075 O.D. Cast Iron.	
Keeper	Both	2012-15	**34-5023**	1 Round Bead. 0.215 Stem	
Lifter	Both	2012-15	**36-7082**	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2012-15	**38-310-55**	Viton. Metal Clad	
	Int	2012-15	**38-210-55**	Viton. Metal Clad	
LINE 4	**1452cc (1.5L) SOHC 1AC, 3A, 3AC 8V Vin A**				**1980-88 L4 BORE - 3.00"/76.2mm**
Valve	Exh	1980-88	**10-10106**	1.220 Head Dia. 0.2745 Stem	
	Int	1980-88	**10-10107**	1.417 Head Dia. 0.2746 Stem	
Valve Seat Insert	Int	1980-88	**21-1500-71**	1.240 I.D. 1-1/2 O.D. 0.317 Depth.	
Guide	Exh	1980-88	**30-8021**	1.930 OAL. +2 O/S Avail.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 4	**1452cc (1.5L) SOHC 1AC, 3A, 3AC 8V Vin A**				**1980-88 L4 BORE - 3.00"/76.2mm**
Valve Stem Seal	Both	1980-88	**38-097-65**	Silicone. 2-Ring.	
	Both	1980-88	**38-980-45**	Viton. Metal Clad.	
Expansion Plug Kit		1980-88	**97-116**	Steel Kit.	
		1980-88	**97-116B**	Brass Kit.	
LINE 5	**1456cc (1.5L) SOHC 12V 3E, 3EE Vin E**				**1987-94 L4 BORE - 2.87"/73.0mm**
Valve	Exh	1987-94	**10-10311**	1.220 Head Dia.	
	Int	1987-94	**10-10310**	1.181 Head Dia. Outer (Front)	
Valve Seat Insert	Int	1987-94	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth. Inner (Rear)	
Guide	Both	1987-94	**30-8195**	1.600 OAL. 0.2371 I.D. 0.4355 O.D.	
Keeper	Both	1987-94	**34-5011**	1 Round Groove	
Valve Stem Seal	Both	1987-94	**38-481-45**	Viton. Metal Clad.	
Expansion Plug Kit		1987-94	**97-160**	Steel Kit.	
		1987-94	**97-160B**	Brass Kit.	
LINE 6	**1497cc (1.5L) DOHC 16V 5EFE Vin C, E**				**1992-99 L4 BORE - 2.91"/74.1mm**
Valve	Exh	1992-99	**10-10138**	0.965 Head Dia.	
Valve Seat Insert	Exh	1992-98	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Int	1992-98	**21-1187-52**	0.934T I.D. 1-3/16 O.D. 0.257 Depth.	
Guide	Exh	1992-99	**30-8147**	1.520 OAL. 0.436 O.D.	
	Int	1992-99	**30-8195**	1.600 OAL. 0.2371 I.D. 0.4355 O.D.	
Keeper	Both	1992-99	**34-5011**	1 Round Groove	
Valve Stem Seal	Both	1992-99	**38-481-45**	Viton. Metal Clad.	
Expansion Plug Kit		1992-98	**97-160**	Steel Kit.	
		1992-98	**97-160B**	Brass Kit.	
LINE 7	**1497cc (1.5L) DOHC 16V 1NZF(X)E (Hybrid)**				**2000-19 L4 BORE - 2.95"/74.9mm**
Valve	Int	2000-19	**10-2241**	1.205 Head Dia. 0.1957 Stem	
LINE 8	**1587cc (1.6L) SOHC 8V 4AC, 4ALC**				**1983-88 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1983-88	**10-10106**	1.220 Head Dia. 0.2745 Stem	
	Int	1983-88	**10-10107**	1.417 Head Dia. 0.2746 Stem	
Valve Seat Insert	Int	1983-88	**21-1500-71**	1.240 I.D. 1-1/2 O.D. 0.317 Depth.	
Guide	Exh	1983-88	**30-8021**	1.930 OAL. +2 O/S Avail.	
Valve Stem Seal	Both	1983-88	**38-980-45**	Viton. Metal Clad.	
Expansion Plug Kit		1983-88	**97-116**	Steel Kit.	
		1983-88	**97-116B**	Brass Kit.	
LINE 9	**1587cc (1.6L) DOHC 16V 4AGE, 4AGEC, 4AGELC, 4AGZE**				**1985-91 L4 BORE - 3.19"/81.0mm**
Valve	Int	1985-91	**10-10176**	1.201 Head Dia. 0.235 Stem	
Guide	Both	1985-91	**30-8038**	1.595 OAL. 0.435 O.D. Incl. Lock Ring	
Keeper	Both	1985-91	**34-5011**	1 Round Groove	
Valve Stem Seal	Both	1985-91	**38-475-45**	Viton. Metal Clad.	
Expansion Plug Kit		1985-91	**97-116**	Steel Kit.	
		1985-91	**97-116B**	Brass Kit.	
LINE 10	**1587cc (1.6L) DOHC 16V 4AF, 4AFE Vin A**				**1988-97 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1988-89	**10-10315**	0.967 Head Dia. 3.618 OAL	
	Exh	1990-97	**10-10507**	0.965 Head Dia. 2.466 OAL	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 10	1587cc (1.6L) DOHC 16V 4AF, 4AFE Vin A			1988-97 L4	BORE - 3.19"/81.0mm
Valve	Int	1988-89	10-10314	1.181 Head Dia. 0.235 Stem	
	Int	1990-97	10-10506	1.221 Head Dia. 0.2354 Stem	
Valve Seat Insert	Exh	1988-97	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	1988-97	30-8147	1.520 OAL. 0.436 O.D.	
Keeper	Both	1988-97	34-5011	1 Round Groove	
Lifter	Both	1993-97	36-2299	93-97: Mechanical	
Valve Stem Seal	Both	1988-97	38-475-45	Viton. Metal Clad.	
Expansion Plug Kit		1988-97	97-116	Steel Kit.	
		1988-97	97-116B	Brass Kit.	
LINE 11	1588cc (1.6L) OHV 2TC Vin T 8V			1971-79 L4	BORE - 3.35"/85.0mm
Valve	Exh	1971-79	10-10071	1.416 Head Dia.	
	Int	1971-79	10-10072	1.615 Head Dia.	
Guide	Int	1971-79	30-7540	1.970 OAL	
Keeper	Both	1971-79	34-811	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1971-79	38-967-55	Viton. Metal Clad.	
Expansion Plug Kit		1971-79	97-44	Steel Kit.	
		1971-79	97-44B	Brass Kit.	
LINE 12	1762cc (1.8L) DOHC 16V 7AFE Vin A, B			1993-97 L4	BORE - 3.19"/81.0mm
Valve	Exh	1993-97	10-10507	0.965 Head Dia.	
	Int	1993-97	10-10506	1.221 Head Dia. 0.2354 Stem	
Valve Seat Insert	Exh	1993-97	21-1062-50	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
Guide	Both	1993-97	30-8147	1.520 OAL. 0.436 O.D.	
Keeper	Both	1993-97	34-5011	1 Round Groove	
Lifter	Both	1993-97	36-2299	Mechanical	
Valve Stem Seal	Both	1993-98	38-481-45	Viton. Metal Clad.	
Expansion Plug Kit		1993-97	97-44	Steel Kit.	
		1993-97	97-44B	Brass Kit.	
LINE 13	1770cc (1.8L) 3TC Vin T 8V			1980-82 L4	BORE - 3.35"/85.0mm
Valve	Exh	1980-82	10-10071	1.416 Head Dia.	
	Int	1980-82	10-10072	1.615 Head Dia.	
Guide	Int	1980-82	30-7540	1.970 OAL	
Keeper	Both	1980-82	34-811	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1980-82	38-967-55	Viton. Metal Clad.	
Expansion Plug Kit		1980-82	97-44	Steel Kit.	
		1980-82	97-44B	Brass Kit.	
LINE 14	1794cc (1.8L) 1ZZFE(D) 16V DOHC Vin R			1998-09 L4	BORE - 3.11"/79.0mm
Valve	Exh	1998-05	10-10736	1.082 Head Dia. 0.215 Stem. 98-99 Corolla. 98-05 Celica, MR2	
	Exh	2000-08	10-10781	1.024 Head Dia. Corolla, Matrix	
	Int	1998-05	10-10735	1.260 Head Dia. 0.215 Stem 98-99 Corolla. 98-0 53 Celica, MR2.	
	Int	2000-08	10-10780	1.220 Head Dia. Corolla, Matrix	
Guide	Both	1998-08	30-8584	1.360 OAL. 0.4075 O.D.	
Keeper	Both	1998-08	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Both	1998-08	38-310-55	Viton. Metal Clad	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 15	1798cc (1.8L) DOHC 16V 2ZRFE/XE			2009-25 L4	BORE - 3.11"/79.0mm
Valve	Exh	2008-25	10-13366	1.087 Head Diam. 0.215 Stem	
	Int	2008-25	10-13365	1.260 Head Dia. 0.216 Stem. 4.305 OAL. OEM # 137110T010	
Guide	Exh	2008-25	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2008-25	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2008-25	34-5023	1 Round Bead. 0.216 Stem	
Lifter	Both	2009-16	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2008-25	38-310-55	Viton. Metal Clad	
	Int	2008-25	38-210-55	Viton. Metal Clad	
LINE 16	1795cc (1.8L) DOHC 16V 2ZZGE			2000-06 L4	BORE - 3.23"/82.0mm
Valve	Int	2000-06	10-2177	1.339 Head Dia.	
Guide	Both	2000-06	30-3221	1.693 OAL	
Valve Stem Seal	Exh	2000-06	38-310-55	Viton. Metal Clad	
	Int	2000-06	38-210-55	Viton. Metal Clad	
LINE 17	1838cc (1.8L) SOHC Diesel 1CLC, 1CTLC Turbo Vin C 8V			1983-85 L4	BORE - 3.27"/83.1mm
Valve Seat Insert	Int	1983-85	20-1625-11	1-11/32 I.D. 1-5/8 O.D. 7/32 Depth. Adjustable Cutter Must Be Used To Allow For Proper Press Fit	
Valve Stem Seal	Both	1983-85	38-982-25	Polyacrylic. Metal Clad.	
LINE 18	1858cc (1.9L) SOHC 8R, 8RC 8V			1965-72 L4	BORE - 3.39"/86.1mm
Valve Seat Insert	Int	1969-72	21-1750-57	1.430T I.D. 1-3/4 O.D. 0.215 Depth	
Keeper	Both	1965-72	34-811	1 Square Groove. Heat Treated	
Expansion Plug Kit		1965-72	97-46	Steel Kit.	
		1965-72	97-46B	Brass Kit.	
LINE 19	1896cc (1.9L) 3R, 3RB, 3RC			1964-70 L4	BORE - 3.40"/86.4mm
Valve Seat Insert	Int	1965-70	21-1750-56	1.510T I.D. 1-3/4 O.D. 0.250 Depth	
Keeper	Both	1964-70	34-811	1 Square Groove. Heat Treated	
Expansion Plug Kit		1965-70	97-45	Steel Kit.	
		1965-70	97-45B	Brass Kit.	
LINE 20	1968cc (2.0L) SOHC 8V 18RC			1972-74 L4	BORE - 3.40"/86.4mm
Valve	Exh	1972-74	10-10024S	1.416 Head Dia.	
	Int	1972-74	10-10018	1.614 Head Dia.	
Valve Seat Insert	Exh	1972-74	20-1500-3	1-1/4 I.D. 1-1/2 O.D. 1/4 Depth. Head w/ Cast Integral Seats	
	Int	1972-74	20-1750-4	1-7/16 I.D. 1-3/4 O.D. 1/4 Depth. Head w/ Cast Integral Seats.	
	Exh	1972-74	21-1562-52	1.190T I.D. 1-9/16 O.D. 0.315 Depth	
	Int	1972-74	21-1750-58	1.360T I.D. 1-3/4 O.D. 0.315 Depth	
Keeper	Both	1972-74	34-811	1 Square Groove. Heat Treated	
Expansion Plug Kit		1972-74	97-46	Steel Kit.	
		1972-74	97-46B	Brass Kit.	
LINE 21	1987cc (2.0L) DOHC 16V 3ZR			2018-20 L4	BORE - 3.52"/89.4mm
Valve	Exh	2018-20	10-13366	1.087 Head Diam. 0.215 Stem	
	Int	2018-20	10-13365	1.260 Head Dia. 0.216 Stem.	
Keeper	Both	2018-20	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2018-20	38-310-55	Viton. Metal Clad	
	Int	2018-20	38-210-55	Viton. Metal Clad	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 22	**1987cc (2.0L) DOHC 16V M20A-FXS**			**2019-25 L4**	**BORE - 3.17"/80.5mm**
Spring	Exh	2019-25	**32-5508**	Conical. OEM # 90501A0139	
	Int	2019-25	**32-5507**	Conical. OEM # 90501A0141	
Keeper	Both	2019-25	**34-5023**	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2019-25	**38-310-55**	Viton. Metal Clad	
	Int	2019-25	**38-210-55**	Viton. Metal Clad	
LINE 23	**1995cc (2.0L) SOHC 2SELC Vin S 8V**			**1983-86 L4**	**BORE - 3.31"/84.0mm**
Valve Seat Insert	Exh	1983-86	**21-1437-66**	1.120 I.D. 1-7/16 O.D. 0.300 Depth	
	Int	1983-86	**21-1687-55**	1.340 I.D. 1-11/16 O.D. 0.315 Depth	
Keeper	Both	1983-86	**34-811**	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1983-86	**38-967-55**	Viton. Metal Clad.	
Expansion Plug Kit		1983-86	**97-156**	Steel Kit.	
		1983-86	**97-156B**	Brass Kit.	
LINE 24	**1998cc (2.0L) 3YEC Vin Y 8V**			**1984-85 L4**	**BORE - 3.39"/86.0mm**
Valve	Exh	1984-85	**10-10323**	1.417 Head Dia. 0.314 Stem	
	Int	1984-85	**10-10322**	1.575 Head Dia. 0.314 Stem	
Valve Seat Insert	Int	1984-85	**21-1687-55**	1.340 I.D. 1-11/16 O.D. 0.315 Depth	
Guide	Int	1984-85	**30-8201**	1.970 OAL. Incl. Lock Ring	
Keeper	Both	1984-85	**34-5005**	1 Round Groove. OEM #90913-03014	
Lifter	Both	1984-85	**36-6005**	Hydraulic. Van	
Valve Stem Seal	Both	1984-85	**38-967-55**	Viton. Metal Clad.	
Expansion Plug Kit		1984-85	**97-132**	Steel Kit.	
		1984-85	**97-132B**	Brass Kit.	
LINE 25	**1998cc (2.0L) DOHC 16V 3SGELC, 3SGTE Turbo Vin S**			**1986-95 L4**	**BORE - 3.39"/86.0mm**
Valve	Exh	1986-89	**10-10326S**	1.140 Head Dia. 4.019 OAL	
	Int	1986-89	**10-10324S**	1.318 Head Dia. 4.054 OAL	
	Int	1990-95	**10-10325**	1.319 Head Dia. 3.959 OAL	
Valve Seat Insert	Exh	1986-95	**21-1250-55**	1.005T I.D. 1-1/4 O.D. 0.255 Depth	
	Int	1986-95	**21-1437-67**	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
Keeper	Both	1986-95	**34-5011**	1 Round Groove	
Valve Stem Seal	Both	1986-95	**38-481-45**	Viton. Metal Clad.	
Expansion Plug Kit		1986-95	**97-156**	Steel Kit.	
		1986-95	**97-156B**	Brass Kit.	
LINE 26	**1998cc (2.0L) DOHC 16V 3SFE Vin S, P**			**1987-00 L4**	**BORE - 3.39"/86.0mm**
Valve	Int	1990-95	**10-10325**	1.319 Head Dia. 3.959 OAL	
	Int	1996-00	**10-10421**	1.260 Head Dia. 3.842 OAL	
Valve Seat Insert	Exh	1996-00	**21-1062-50**	0.790 I.D. 1-1/16 O.D. 0.254 Depth	
	Exh	1987-91	**21-1187-51**	0.905 I.D. 1-3/16 O.D. 0.257 Depth	
	Int	1987-00	**21-1375-56**	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Exh	1987-00	**30-8038**	1.595 OAL. +2 O/S Avail. Incl. Lock Ring	
	Int	1987-00	**30-8147**	1.520 OAL. 0.436 O.D.	
Keeper	Both	1987-00	**34-5011**	1 Round Groove	
Lifter	Both	1996-00	**36-2299**	Mechanical. Rav4	
Valve Stem Seal	Both	1987-00	**38-481-45**	Viton. Metal Clad.	
Expansion Plug Kit		1987-00	**97-156**	Steel Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 26	1998cc (2.0L) DOHC 16V 3SFE Vin S, P			1987-00 L4	BORE - 3.39"/86.0mm
Expansion Plug Kit		1987-00	97-156B	Brass Kit.	
LINE 27	1998cc (2.0L) DOHC 16V 1AZFE			2001-03 L4	BORE - 3.46"/87.9mm
Valve	Exh	2001-03	10-10799	1.161 Head Dia. 0.2155 Stem	
	Int	2001-03	10-10798	1.339 Head Dia. 0.2156 Stem	
Guide	Exh	2001-03	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
Keeper	Both	2001-03	34-5023	1 Round Groove. 0.215 Stem	
Valve Stem Seal	Exh	2001-03	38-310-55	Viton. Metal Clad	
	Int	2001-03	38-210-55	Viton. Metal Clad	
LINE 28	1998cc (2.0L) DOHC 16V 8ARFTS			2015-24 L4	BORE - 3.11"/79.0mm
Guide	Int	2015-24	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2015-24	34-5023	1 Round Bead. 0.215 Stem	
LINE 29	2164cc (2.2L) DOHC 16V 5SFE Vin G,S			1990-01 L4	BORE - 3.40"/86.4mm
Valve	Int	2/92-01	10-10421	1.260 Head Dia. 3.842 OAL	
Valve Seat Insert	Exh	1990-01	21-1187-51	0.905 I.D. 1-3/16 O.D. 0.257 Depth	
	Int	1990-01	21-1375-56	1.102 I.D. 1-3/8 O.D. 0.260 Depth.	
Guide	Both	1990-01	30-8038	90-94: Both. 95-01: Exh. 1.595 OAL. Incl. Lock Ring	
	Int	1995-01	30-8147	1.520 OAL. 0.436 O.D.	
Keeper	Both	1990-01	34-5011	1 Round Groove	
Lifter	Both	1992-01	36-2299	Mechanical.	
Valve Stem Seal	Both	1990-01	38-475-45	Viton. Metal Clad.	
Expansion Plug Kit		1990-01	97-156	Steel Kit.	
		1990-01	97-156B	Brass Kit.	
LINE 30	2188cc (2.2L) SOHC Diesel Vin L 8V			1981-83 L4	BORE - 3.40"/86.4mm
Valve Seat Insert	Exh	1981-83	21-1437-67	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
	Int	1981-83	21-1750-50	1.500T I.D. 1-3/4 O.D. 0.255 Depth	
Guide	Both	1981-83	30-8196	2.400 OAL	
LINE 31	2189cc (2.2L) SOHC 20R 8V Vin R			1975-80 L4	BORE - 3.40"/86.4mm
Valve	Exh	1975-80	10-10037	1.419 Head Dia.	
	Int	1975-80	10-10048	1.692 Head Dia.	
Valve Seat Insert	Exh	1975-80	21-1500-61	1.220T I.D. 1-1/2 O.D. 0.315 Depth	
	Int	1975-80	21-1812-53	1.420T I.D. 1-13/16 O.D. 0.315 Depth	
Guide	Both	1975-80	30-7523	2.260 OAL. +2 O/S Avail. Incl. Lock Ring	
Spring	Both	1977-80	32-1135	1.780 Free Length. Inner	
Keeper	Both	1975-80	34-811	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1975-80	38-967-55	Viton. Metal Clad.	
Rocker Component	Both	1975-80	40-9106	Rocker Arm. Cast Aluminum.	
Expansion Plug Kit		1975-80	97-68	Steel Kit.	
		1975-80	97-68B	Brass Kit.	
LINE 32	2237cc (2.2L) SOHC 4YEC, 8V, Vin Y			1986-90 L4	BORE - 3.19"/81.0mm
Valve	Exh	1986-90	10-10323	1.417 Head Dia. 0.314 Stem	
	Int	1986-90	10-10322	1.575 Head Dia. 0.314 Stem	
Valve Seat Insert	Int	1986-90	21-1687-55	1.340 I.D. 1-11/16 O.D. 0.315 Depth	
Guide	Int	1986-90	30-8201	1.970 OAL. Incl. Lock Ring	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 32	2237cc (2.2L) SOHC 4YEC, 8V, Vin Y				1986-90 L4 BORE - 3.19"/81.0mm
Keeper	Both	1986-90	34-5005	1 Round Groove. OEM #90913-03014	
Lifter	Both	1986-89	36-6005	Hydraulic. Van	
Valve Stem Seal	Both	1986-90	38-967-55	Viton. Metal Clad.	
Expansion Plug Kit		1986-90	97-132	Steel Kit.	
		1986-90	97-132B	Brass Kit.	
LINE 33	2253cc (2.3L) SOHC 2M				1968-72 L6 BORE - 2.95"/75.0mm
Valve Seat Insert	Int	1968-72	21-1750-59	1.360T I.D. 1-3/4 O.D. 0.315 Depth	
Keeper	Both	1969-72	34-811	1 Square Groove. Heat Treated	
Expansion Plug Kit		1968-72	97-77	Steel Kit.	
		1968-72	97-77B	Brass Kit.	
LINE 34	2362cc (2.4L) DOHC 16V 2AZFE\XE				2001-15 L4 BORE - 3.48"/88.4mm
Valve	Exh	2001-15	10-10799	1.161 Head Dia.	
	Int	2001-15	10-10798	1.339 Head Dia.	
Guide	Both	2001-15	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
Keeper	Both	2001-15	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2001-15	38-310-55	Viton. Metal Clad	
	Int	2001-15	38-210-55	Viton. Metal Clad	
LINE 35	2366cc (2.4L) SOHC 22R, 22RE, 22REC, 22RTEC 8V				1981-96 L4 BORE - 3.60"/91.4mm
Valve	Exh	1981-96	10-10330	1.457 Head Dia.	
	Int	1981-96	10-10328	1.770 Head Dia. 0.3134 Stem	
Valve Seat Insert	Exh	1981-96	21-1562-67	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
	Int	1981-96	21-1937-52	1.540T I.D. 1-15/16 O.D. 0.315 Depth.	
Guide	Both	1981-96	30-7523	2.260 OAL. +2 O/S Avail. Incl. Lock Ring	
Spring	Both	1981-84	32-1135	1.780 Free Length. Inner	
	Both	1985-96	32-1405	1.923 Free Length.	
Keeper	Both	1981-96	34-811	1 Square Groove. Heat Treated	
	Both	1981-96	34-811M	1 Square Groove. Machined, HP	
Valve Stem Seal	Both	1981-96	38-967-55	Viton. Metal Clad.	
Rocker Component	Both	1981-95	40-9106	Rocker Arm. Cast Aluminum.	
Retainer	Both	1985-96	55-6922	Chrome Moly. 1.295 O.D. 0.313 Stem	
Expansion Plug Kit		1981-96	97-68	Steel Kit.	
		1981-96	97-68B	Brass Kit.	
LINE 36	2438cc (2.4L) DOHC 16V 2TZFE, 2TZFZE				1990-97 L4 BORE - 3.70"/94.0mm
Valve	Exh	1991-97	10-10474	1.201 Head Dia. 0.235 Stem	
Valve Seat Insert	Exh	1991-97	21-1312-67	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Exh	1991-97	21-1312-67N	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Int	1991-97	21-1562-66	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Exh	1991-97	30-8273	1.890 OAL. Incl. Lock Ring	
	Int	1991-97	30-8038	1.595 OAL. +2 O/S Avail. Incl. Lock Ring	
Keeper	Both	1991-97	34-5011	1 Round Groove	
Lifter	Both	1990-97	36-2299	Mechanical. Previa	
Valve Stem Seal	Both	1990-97	38-481-45	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 37	2438cc (2.4L) DOHC 16V 2RZFE Vin L, U			1995-04 L4	BORE - 3.74"/95.0mm
Valve	Exh	1995-04	10-10474	1.201 Head Dia. 0.235 Stem	
	Int	1995-04	10-10321	1.476 Head Dia. 0.235 Stem	
Valve Seat Insert	Exh	1995-04	21-1312-67	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Exh	1995-04	21-1312-67N	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Int	1995-04	21-1562-66	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Exh	1995-04	30-8273	1.890 OAL. Incl. Lock Ring	
	Int	1995-04	30-8038	1.595 OAL. 0.435 O.D. 0.4355 Stem Incl. Lock Ring	
Keeper	Exh	1995-04	34-5011	1 Round Groove	
Valve Stem Seal	Both	1995-04	38-120-45	Viton. Metal Clad.	
LINE 38	2446cc (2.4L) SOHC Diesel 2L, 2LT 8V			1984-87 L4	BORE - 3.60"/91.4mm
Valve Seat Insert	Exh	1984-87	21-1437-67	1.180T I.D. 1-7/16 O.D. 0.255 Depth.	
	Int	1984-87	21-1750-50	1.500T I.D. 1-3/4 O.D. 0.255 Depth	
Spring	Int	1984-87	32-1135	1.800 Free Length. Outer	
LINE 39	2487cc (2.5L) DOHC 16V A25A-FXS			2018-25 L4	BORE - 3.44"/87.4mm
Valve	Int	2018-25	10-30532	1.417 Head Dia. 0.216 Stem. 4.113 OAL. OEM # 13711F0010	
Spring	Exh	2018-25	32-5508	Conical. OEM # 90501A0139	
	Int	2018-25	32-5507	Conical. OEM # 90501A0141	
Keeper	Both	2018-25	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2018-25	38-310-55	Viton. Metal Clad. 0.216 x 0.407	
	Int	2018-25	38-210-55	Viton. Metal Clad	
LINE 40	2494cc (2.5L) DOHC 16V 2ARFE/FXE			2009-21 L4	BORE - 3.54"/89.9mm
Guide	Exh	2009-21	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2009-21	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2009-21	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2009-21	38-310-55	Viton. Metal Clad	
	Int	2009-21	38-210-55	Viton. Metal Clad	
LINE 41	2499cc (2.5L) DOHC 24V 4GRFSE			2006-15 V6	BORE - 3.27"/83.1mm
Guide	Exh	2006-15	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2006-15	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2006-15	34-5023	1 Round Bead. 0.215 Stem	
Lifter	Both	2006-09	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2006-15	38-310-55	Viton. Metal Clad	
	Int	2006-15	38-210-55	Viton. Metal Clad	
LINE 42	2508cc (2.5L) DOHC 24V 2VZFE			1988-91 V6	BORE - 3.40"/86.4mm
Valve	Exh	1988-91	10-10333	1.074 Head Dia.	
	Int	1988-91	10-10332S	1.299 Head Dia.	
Valve Seat Insert	Exh	1988-91	21-1187-53	0.935 I.D. 1-3/16 O.D. 0.235 Depth	
	Int	1988-91	21-1375-50	1.109T I.D. 1-3/8 O.D. 0.255 Depth	
Guide	Both	1988-91	30-8038	1.595 OAL. +2 O/S Avail. Incl. Lock Ring	
Keeper	Both	1988-91	34-5011	1 Round Groove	
Valve Stem Seal	Both	1988-91	38-481-45	Viton. Metal Clad.	
Expansion Plug Kit		1988-91	97-159	Steel Kit.	
		1988-91	97-159B	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 43	**2563cc (2.6L) SOHC 12V 4M, 4ME Vin M**			**1971-80 L6**	**BORE - 3.15"/80.0mm**
Valve Seat Insert	Int	1978-80	**21-1625-52**	1.260T I.D. 1-5/8 O.D. 0.315 Depth	
	Int	1971-77	**21-1750-59**	1.360T I.D. 1-3/4 O.D. 0.315 Depth	
Keeper	Both	1971-80	**34-811**	1 Square Groove. Heat Treated	
Expansion Plug Kit		1971-80	**97-77**	Steel Kit.	
		1971-80	**97-77B**	Brass Kit.	
LINE 44	**2672cc (2.7L) DOHC 16V 1ARFE**			**2009-19 L4**	**BORE - 3.50"/88.9mm**
Guide	Exh	2009-19	**30-3135**	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2009-19	**30-3134**	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2009-19	**34-5023**	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2009-19	**38-310-55**	Viton. Metal Clad	
	Int	2009-19	**38-210-55**	Viton. Metal Clad	
LINE 45	**2694cc (2.7L) DOHC 16V 3RZFE Vin M,U**			**1994-04 L4**	**BORE - 3.70"/94.0mm**
Valve	Exh	1994-04	**10-10474**	1.201 Head Dia. 0.235 Stem	
	Int	1994-04	**10-10321**	1.476 Head Dia. 0.2352 Stem	
Valve Seat Insert	Exh	1994-04	**21-1312-67**	1.042 I.D. 1-5/16 O.D. 0.238 Depth. Also Avail, In Nickel (-N)	
	Exh	1994-04	**21-1312-67N**	1.042 I.D. 1-5/16 O.D. 0.238 Depth. w/ 1.238 Valve Head Dia.	
	Int	1994-04	**21-1562-66**	1.265T I.D. 1-9/16 O.D. 0.280 Depth.	
Guide	Exh	1994-04	**30-8273**	1.890 OAL. Incl. Lock Ring	
	Int	1994-04	**30-8038**	1.595 OAL. +2 O/S Avail. Incl. Lock Ring	
Keeper	Exh	1994-04	**34-5011**	1 Round Groove	
Lifter	Both	1994-04	**36-2299**	Mechanical	
Valve Stem Seal	Both	1994-04	**38-475-45**	Viton. Metal Clad.	
Expansion Plug Kit		1994-04	**97-161**	Steel Kit.	
		1994-04	**97-161B**	Brass Kit.	
LINE 46	**2694cc (2.7L) DOHC 16V 2TRFE**			**2005-22 L4**	**BORE - 3.74"/95.0mm**
Valve	Exh	2005-22	**10-3089**	1.240 Head Dia. 0.216 Stem.	
Expansion Plug	Int	2005-19	**10-3088**	1.476 Head Dia. 0.215 Stem	
Guide	Both	2005-22	**30-3130**	1.715 OAL. 0.2175 I.D.	
Keeper	Both	2005-22	**34-5023**	1 Round Bead. 0.215 Stem	
Lifter	Both	2005-19	**36-7082**	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2005-22	**38-310-55**	Viton. Metal Clad	
	Int	2005-22	**38-210-55**	Viton. Metal Clad	
LINE 47	**2759cc (2.8L) SOHC 12V 5ME**			**1981-82 L6**	**BORE - 3.27"/83.1mm**
Valve Seat Insert	Int	1981-82	**21-1750-63**	1.410T I.D. 1-3/4 O.D. 0.315 Depth	
Keeper	Both	1981-82	**34-811**	1 Square Groove. Heat Treated	
Expansion Plug Kit		1981-82	**97-77**	Steel Kit.	
		1981-82	**97-77B**	Brass Kit.	
LINE 48	**2759cc (2.8L) DOHC 5MGE 12V**			**1982-88 L6**	**BORE - 3.27"/83.1mm**
Keeper	Both	1982-88	**34-811**	1 Square Groove. Heat Treated	
Valve Stem Seal	Both	1982-88	**38-480-45**	Viton. Metal Clad.	
Expansion Plug Kit		1982-88	**97-162**	Steel Kit.	
		1982-88	**97-162B**	Brass Kit.	
		1982-88	**97-77B**	Brass Kit.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE
				see online catalog for latest appl. info.
LINE 49	2954cc (3.0L) DOHC 24V 7MGE, 7MGTE Vin M			1986-92 L6 BORE - 3.27"/83.1mm
Valve	Exh	1986-92	10-10338S	1.083 Head Dia.
	Int	1986-92	10-10337	1.260 Head Dia.
Valve Seat Insert	Exh	1986-92	21-1187-52	0.934T I.D. 1-3/16 O.D. 0.257 Depth.
Guide	Exh	1986-92	30-8038	1.595 OAL. +2 O/S Avail. Incl. Lock Ring
Keeper	Both	1986-92	34-5011	1 Round Groove
Valve Stem Seal	Both	1986-92	38-481-45	Viton. Metal Clad.
Expansion Plug Kit		1986-92	97-162	Steel Kit.
		1986-92	97-162B	Brass Kit.
LINE 50	2958cc (3.0L) SOHC 12V 3VZE Vin V			1988-95 V6 BORE - 3.40"/86.4mm
Valve	Exh	1988-95	10-10340	1.378 Head Dia. 0.314 Stem
	Int	1988-95	10-10339S	1.654 Head Dia. 0.314 Stem
Valve Seat Insert	Exh	1988-95	21-1562-69	1.219 I.D. 1-9/16 O.D. 0.317 Depth.
	Exh	1988-95	21-1562-72	1.180 I.D. 1-9/16 O.D. 0.316 Depth
	Int	1988-95	21-1750-68	1.415 I.D. 1-3/4 O.D. 0.316 Depth. O/S O.D.
Guide	Both	1988-95	30-8207	1.820 OAL. Incl. Lock Ring. 0.514 O.D.
Keeper	Both	1988-95	34-5005	1 Round Groove. OEM #90913-03014
Valve Stem Seal	Both	1988-95	38-480-45	Viton. Metal Clad.
	Exh	1988-93	38-967-55	Viton. Metal Clad. 0.280 Stem
Expansion Plug Kit		1988-95	97-159	Steel Kit.
		1988-95	97-159B	Brass Kit.
LINE 51	2959cc (3.0L) DOHC 24V 3VZFE Vin V			1992-93 V6 BORE - 3.40"/86.4mm
Valve	Exh	1992-93	10-10306S	1.073 Head Dia. 0.235 Stem
	Int	1992-93	10-10305	1.339 Head Dia. 0.235 Stem
Valve Seat Insert	Exh	1992-93	21-1187-53	0.935 I.D. 1-3/16 O.D. 0.235 Depth
Guide	Both	1992-93	30-8038	1.595 OAL. 0.435 O.D. +2 O/S Avail. Incl. Lock Ring
Keeper	Both	1992-93	34-5011	1 Round Groove
Lifter	Both	1992-93	36-2299	Mechanical
Valve Stem Seal	Both	1992-93	38-537-45	Viton. Metal Clad.
Expansion Plug Kit		1992-93	97-159	Steel Kit.
		1992-93	97-159B	Brass Kit.
LINE 52	2995cc (3.0L) DOHC 24V 1MZFE Vin F,G			1994-06 V6 BORE - 3.40"/86.4mm
Valve	Exh	1994-06	10-10553S	1.073 Head Dia. Stellite
	Int	1994-06	10-10552	1.339 Head Dia.
Valve Seat Insert	Exh	1994-06	21-1187-53	0.935 I.D. 1-3/16 O.D. 0.235 Depth
Guide	Exh	1994-06	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.
	Int	1994-06	30-8584	1.360 OAL. 0.4075 O.D.
Keeper	Both	1994-06	34-5023	1 Round Bead. 0.215 Stem
Lifter	Both	1994-06	36-2299	Mechanical
Valve Stem Seal	Exh	1994-06	38-310-55	Viton. Metal Clad
	Int	1994-06	38-210-55	Viton. Metal Clad
Expansion Plug Kit		1994-06	97-159	Steel Kit.
		1994-06	97-159B	Brass Kit.
LINE 53	2994cc (3.0L) DOHC 24V 3GRFSE			2006-06 V6 BORE -
Guide	Exh	2006-06	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 53	2994cc (3.0L) DOHC 24V 3GRFSE			2006-06 V6	BORE -
Keeper	Both	2006-06	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2006-06	38-310-55	Viton. Metal Clad	
	Int	2006-06	38-210-55	Viton. Metal Clad	
LINE 54	2997cc (3.0L) DOHC 24V 2JZGE, 2JZGTE Turbo			1992-05 L6	BORE - 3.38"/85.9mm
Valve	Int	1992-05	10-10518	1.319 Head Dia.	
Valve Seat Insert	Exh	1992-05	21-1250-58	0.955 I.D. 1-1/4 O.D. 0.255 Depth	
Guide	Exh	1992-05	30-8038	1.595 OAL. +2 O/S Avail. Incl. Lock Ring	
	Int	1992-05	30-8147	1.520 OAL. 0.436 O.D.	
Lifter	Both	1992-05	36-2299	Mechanical	
Valve Stem Seal	Both	1992-05	38-481-45	Viton. Metal Clad.	
LINE 55	3310cc (3.3L) DOHC 24V 3MZFE			2004-10 V6	BORE - 3.62"/91.9mm
Valve	Exh	2004-10	10-10553S	1.073 Head Dia.	
	Int	2004-10	10-10552	1.339 Head Dia.	
Guide	Exh	2004-10	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
	Int	2004-10	30-8584	1.360 OAL. 0.4075 O.D.	
Keeper	Both	2004-10	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2004-10	38-310-55	Viton. Metal Clad.	
	Int	2004-10	38-210-55	Viton. Metal Clad	
LINE 56	3378cc (3.4L) DOHC 24V 5VZFE Vin N, V			1995-04 V6	BORE - 3.68"/93.5mm
Valve	Exh	1995-04	10-10306S	1.073 Head Dia. 6mm stem.	
	Int	1995-04	10-10305	1.339 Head Dia. 6mm stem.	
Valve Seat Insert	Exh	1995-04	21-1187-53	0.935 I.D. 1-3/16 O.D. 0.235 Depth	
Guide	Both	1995-04	30-8038	1.595 OAL. 0.4350 O.D. +2 O/S Avail. Incl. Lock Ring	
Keeper	Both	1995-04	34-5011	1 Round Groove	
Lifter	Both	1995-04	36-2299	Mechanical Bucket	
Valve Stem Seal	Both	1996-04	38-120-45	Viton. Metal Clad.	
Expansion Plug Kit		1995-04	97-159	Steel Kit.	
		1995-04	97-159B	Brass Kit.	
LINE 57	3445cc (3.4L) DOHC Gas 24V V35A-FTS			2018-25 V6	BORE - 3.37"/85.6mm
Keeper	Both	2018-25	34-5023	1 Round Bead. 0.215 Stem	
LINE 58	3456cc (3.5L) DOHC 24V 2GRFE/SE/XE			2005-23 V6	BORE - 3.70"/94.0mm
Valve	Exh	2005-23	10-13087	1.256 Head Dia. 0.215 Stem	
	Int	2005-23	10-13086	1.495 Head Dia. 0.2155 Stem	
Guide	Exh	2005-23	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2005-21	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2005-23	34-5023	1 Round Bead. 0.215 Stem	
Lifter	Both	2005-8	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2005-23	38-310-55	Viton. Metal Clad	
	Int	2005-23	38-210-55	Viton. Metal Clad	
LINE 59	3878cc (3.9L) F, FJ 12V			1960-75 L6	BORE - 3.50"/88.9mm
Valve	Exh	1960-75	10-10069	1.478 Head Dia.	
	Int	1960-75	10-10070	1.810 Head Dia.	
Valve Seat Insert	Exh	1960-75	21-1625-58	1.280T I.D. 1-5/8 O.D. 0.315 Depth.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 59	3878cc (3.9L) F, FJ 12V			1960-75 L6	BORE - 3.50"/88.9mm
Guide	Exh	1960-65	30-7527	2.360 OAL	
	Exh	1966-75	30-7529	2.322 OAL.	
	Int	1960-65	30-7528	2.765 OAL	
	Int	1966-75	30-7532	2.130 OAL	
LINE 60	3955cc (4.0L) 3F, 3FE 12V Vin F			1988-92 L6	BORE - 3.60"/91.4mm
Valve	Int	1988-92	10-10070	1.811 Head Dia. 0.314 Stem. 3G	
Valve Seat Insert	Exh	1988-92	21-1625-58	1.280T I.D. 1-5/8 O.D. 0.315 Depth.	
Guide	Exh	1988-92	30-7529	2.322 OAL.	
	Int	1988-92	30-7532	2.130 OAL.	
Keeper	Exh	1988-92	34-811	1 Square Groove. Heat Treated	
LINE 61	3956cc (4.0L) DOHC 24V 1GRFE			2003-24 V6	BORE - 3.70"/94.0mm
Valve	Exh	2010-24	10-13087	1.256 Head Dia. 0.215 Stem	
	Exh	2003-15	10-13089	1.160 Head Dia.	
	Int	2010-24	10-13086	1.495 Head Dia. 0.2155 Stem	
	Int	2003-15	10-13088	1.436 Head Dia. 0.216 Stem.	
Guide	Exh	2003-24	30-3135	1.850 OAL 0.4072 O.D. 0.2175 I.D.	
	Int	2003-24	30-3134	1.630 OAL 0.4073 O.D. 0.2175 I.D.	
Keeper	Both	2003-24	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2003-24	38-310-55	Viton. Metal Clad	
	Int	2003-24	38-210-55	Viton. Metal Clad	
LINE 62	3969cc (4.0L) DOHC 32V 1UZFE Vin H, U			1990-00 V8	BORE - 3.40"/86.4mm
Valve	Int	1998-00	10-10737	1.354 Head Dia.	
Valve Seat Insert	Exh	1990-97	21-1250-58	0.955 I.D. 1-1/4 O.D. 0.255 Depth	
Guide	Both	1990-97	30-8273	1.890 OAL. Incl. Lock Ring	
	Exh	1998-00	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
	Int	1998-00	30-8584	1.360 OAL. 0.4075 O.D.	
Keeper	Both	1990-00	34-5011	1 Round Groove	
Valve Stem Seal	Both	1990-00	38-475-45	Viton. Metal Clad.	
	Both	1990-97	38-520-45	Viton. Metal Clad.	
	Int	1998-00	38-310-55	Viton. Metal Clad	
LINE 63	4230cc (4.2L) 2F Vin F 12V			1975-87 L6	BORE - 3.70"/94.0mm
Valve	Exh	1975-87	10-10069	1.478 Head Dia.	
	Int	1975-87	10-10070	1.811 Head Dia.	
Valve Seat Insert	Exh	1975-87	21-1625-58	1.280T I.D. 1-5/8 O.D. 0.315 Depth.	
Guide	Exh	1975-87	30-7527	2.360 OAL	
	Int	1975-87	30-7528	2.765 OAL	
Expansion Plug Kit		1975-87	97-69	Steel Kit.	
		1975-87	97-69B	Brass Kit.	
LINE 64	4293cc (4.3L) DOHC 32V 3UZFE			2001-10 V8	BORE - 3.58"/90.9mm
Valve	Int	2001-09	10-10737	1.354 Head Dia.	
Guide	Exh	2001-09	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
	Int	2001-09	30-8584	1.360 OAL. 0.4075 O.D.	
Keeper	Both	2001-09	34-5023	1 Round Bead. 0.215 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 64	4293cc (4.3L) DOHC 32V 3UZFE				2001-10 V8 BORE - 3.58"/90.9mm
Valve Stem Seal	Both	2001-09	38-310-55	Viton. Metal Clad	
LINE 65	4477cc (4.5L) DOHC 24V 1FZFE Vin D, J				1993-97 L6 BORE - 3.94"/100.1mm
Guide	Both	1993-97	30-8586	1.660 OAL	
LINE 66	4608cc (4.6L) DOHC 32V 1URFSE				2007-23 V8 BORE - 3.70"/94.0mm
Valve	Exh	2007-23	10-13087	1.256 Head Dia. 0.215 Stem	
	Int	2007-23	10-13086	1.491 Head Dia.	
Guide	Exh	2007-23	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2007-23	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2007-23	34-5023	1 Round Bead. 0.215 Stem	
Lifter	Both	2010-19	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2007-23	38-310-55	Viton. Metal Clad	
	Int	2007-23	38-210-55	Viton. Metal Clad	
LINE 67	4663cc (4.7L) DOHC 32V 2UZFE Vin T				1998-09 V8 BORE - 3.70"/94.0mm
Valve	Int	1998-09	10-10737	1.354 Head Dia.	
Guide	Exh	1998-09	30-8585	1.590 OAL. 0.4075 O.D. Cast Iron.	
	Int	1998-09	30-8584	1.360 OAL. 0.4075 O.D.	
Keeper	Both	1998-09	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Both	1998-09	38-310-55	Viton. Metal Clad	
LINE 68	4968cc (5.0L) DOHC 32V 2URFSE				2008-16 V8 BORE - 3.70"/94.0mm
Valve	Exh	2008-16	10-13087	1.256 Head Dia. 0.215 Stem	
Guide	Exh	2008-16	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2008-16	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2008-16	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2008-16	38-310-55	Viton. Metal Clad	
	Int	2008-16	38-210-55	Viton. Metal Clad	
LINE 69	4969cc (5.0L) DOHC 32V 2URGSE				2008-24 V8 BORE - 3.70"/94.0mm
Keeper	Both	2008-24	34-5023	1 Round Bead. 0.215 Stem	
Valve Stem Seal	Exh	2008-24	38-310-55	Viton. Metal Clad	
	Int	2008-24	38-210-55	Viton. Metal Clad	
LINE 70	5663cc (5.7L) DOHC 32V VVT 3URFE/BE				2007-22 V8 BORE - 3.70"/94.0mm
Valve	Exh	2007-22	10-13087	1.256 Head Dia. 0.215 Stem	
	Int	2007-22	10-13086	1.495 Head Dia. 0.2155 Stem	
Guide	Exh	2007-22	30-3135	1.850 OAL. 0.2175 I.D. 0.4072 O.D.	
	Int	2007-22	30-3134	1.630 OAL. 0.2175 I.D. 0.4073 O.D.	
Keeper	Both	2007-22	34-5023	1 Round Bead. 0.215 Stem	
Lifter	Both	2007-22	36-7082	Hydraulic Lash Adjuster	
Valve Stem Seal	Exh	2007-22	38-310-55	Viton. Metal Clad	
	Int	2007-22	38-210-55	Viton. Metal Clad	

ENGINE	YEAR	CYL.	LINE NO.
1192cc 36-40 HP, 1285cc F	1954-66	H4	**1**
1395cc (1.4L) DOHC 16V TRB CN/CZ/DG/DJ	2013-18	L4	**2**
1457cc (1.5L) SOHC FI 8V EH, FX	1978-80	L4	**3**
1471cc (1.5L) SOHC Gas (XR-XZ, FC, FG) & Diesel (CK)	1973-80	L4	**4**
1493cc (1.5L), 1594 (1.6L) H	1966-79	H4	**5**
1588cc (1.6L) SOHC Gas FI 8V EE EJ YG YH YK	1975-80	L4	**6**
1588cc (1.6L) SOHC Diesel T 8V Vin F-H CR CS CY JK	1981-92	L4	**7**
1598cc (1.6L) DOHC 16V (Non-USA) CLP/R/SA	2014-21	L4	**8**
1599cc (1.6L) SOHC 8V ABU (Non-USA)	2000-17	L4	**9**
1600cc (1.6L) 8V (Non-USA) Air Cooled	1971-03	L4	**10**
1679cc (1.7L) H 8V	1971-74	L4	**11**
1715cc (1.7L) SOHC 8V Vin A, B, EN, JF, WT	1978-87	L4	**12**
1760 (1.8L) Gas Carb ZT, ZY	1970-73	L4	**13**
1780cc (1.8L) SOHC 8V Vin A-C,K,2H,ABG,GX,HT,JH,JN	1982-09	L4	**14**
1780cc (1.8L) DOHC 16V PL Vin B, C	1986-89	L4	**15**
1781cc (1.8L) TRB DOHC 20V AEB, ATW,AW/C/M/V/W	1996-08	L4	**16**
1798cc (1.8L) DOHC 16V TRB BYT CN/CP/CX	2006-19	L4	**17**
1.8L SOHC 8V AP (Non-USA)	1989-93	L4	**18**
1871cc (1.9L) SOHC Carb. & F.I.	1972-77	L4	**19**
1896cc (1.9L) SOHC Diesel 8V Vin FG, AHU,ALH,BEW,BRM	1996-09	L4	**20**
1915cc (1.9L) OHV 8V Vin B DH	1983-85	H4	**21**
1967cc (2.0L) SOHC Diesel 8V Vin E BHW Turbo	2004-05	L4	**22**
1968cc (2.0L) DOHC 16V TRB Diesel TDI	2009-15	L4	**23**
1984cc (2.0L) SOHC Audi 3A 8V	1988-90	L4	**24**
1984cc (2.0L) DOHC 16V TRB	2008-25	L4	**25**
1984cc (2.0L) DOHC 16V Vin B,C,E, J,9A	1990-93	L4	**26**
1984cc (2.0L) SOHC 8V Vin A-C,L,R ABA, AEG, AVH, AZG	1993-10	L4	**27**
1984cc (2.0L) DOHC 16V BPG,BPY,BWT Turbo	2005-14	L4	**28**
1984cc (2.0L) SOHC 8V CBPA	2011-15	L4	**29**
1986cc (2.0L) SOHC 10V Trb Diesel Vin G,H,CN,DE	1979-85	L5	**30**
2109cc (2.1L) OHV Vin B MV 8V	1986-92	H4	**31**
2144cc (2.2L) SOHC 10V KH, WD, WE, WK, WU, TRB	1977-85	L5	**32**
2226cc (2.2L) SOHC 10V Trb Vin B-E, JT, KZ,MC	1983-91	L5	**33**
2226cc (2.2L) DOHC 20V Trb Vin A, P, R, AAN	1992-96	L5	**34**
2309cc (2.3L) SOHC 10V Vin B, C, D, NF, NG	1987-92	L5	**35**
2309cc (2.3L) DOHC 20V Vin E, 7A	1990-92	L5	**36**
2459cc (2.5L) SOHC 10V Vin C, D, E, AAF, ACU	1993-06	L5	**37**
2461cc (2.5L) SOHC 10V (Non-USA)	1997-06	L5	**38**
2480cc (2.5L) DOHC 20V BG, BP, CBTA, CBUA	2005-20	L5	**39**
2671cc (2.7L) DOHC 30V TRB APB, BEL Vin D, P	2000-05	V6	**40**
2771cc (2.8L) DOHC SOHC 12V Vin A-C, E,J-L, AAH, AFC	1992-98	V6	**41**
2771cc (2.8L) DOHC 30V Vin A, D, H, AHA,ATQ,AMX	1998-05	V6	**42**
2792cc (2.8L) SOHC 12V Vin D,E,F, AAA,AES, AFP,VR6	1992-04	V6	**43**
2792cc (2.8L) DOHC 24V AFP, AMV, AXK, BDF	2002-05	V6	**44**
2894cc (2.9L) DOHC 24V	2018-24	V6	**45**
2967cc (3.0L) DOHC 24V Diesel TDI	2009-16	V6	**46**
2976cc (3.0L) DOHC 30V Vin T, AVK BGN	2002-06	V6	**47**
2995cc (3.0L) DOHC 24V S/C CG/CT/DL	2009-24	V6	**48**
3123cc (3.2L) DOHC 24V BHK, BKH, CALB	2004-09	V6	**49**
3189cc (3.2L) DOHC 24V BHE,BJS,BMX,BUB	2004-09	V6	**50**
3562cc (3.6L) DOHC 32V Vin E, PT	1990-91	V8	**51**
3597cc (3.6L) DOHC 24V BH/BL/CD/CG	2006-22	V6	**52**
3604cc (3.6L) SOHC 24V (Chrysler)	2011-14	V6	**53**
3697cc (3.7L) DOHC 32V AEW	1997-99	V8	**54**

3952cc (4.0L) SOHC 24V (Chrysler)	2007-10	V6	**55**
3993cc (4.0L) DOHC 32V TRB CE/CR/CT/CW/DD	2013-18	V8	**56**
4172cc (4.2L) DOHC 32V Vin L, W, ABH	1992-94	V8	**57**
4172cc (4.2L) DOHC 32V BA/BN/BV/CN	2004-16	V8	**58**
4172cc (4.2L) DOHC 40V AQF, AQG, ARS	1997-09	V8	**59**
4921cc (5.0L) SOHC Diesel 20V BKW, BWF "TDI"	2005-08	V10	**60**
5204cc (5.2L) DOHC 40V BSM, BXA, CT	2007-23	V10	**61**
5998cc (6.0L) DOHC 48V BSB	2005-09	W12	**62**
6229cc (6.3L) DOHC 48V CE/CT	2013-16	W12	**63**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1192cc 36-40 HP, 1285cc F**			**1954-66 H4**	**BORE - 3.03"/77.0mm**
Guide	Both	1960-66	**30-6097**	2.625 OAL. 0.3155 I.D. 0.475 O.D.	
	Both	1960-66	**31-8202**	2.400 OAL. 0.3149 I.D. 0.475 O.D. Mang. Bronze	
Keeper	Both	1960-66	**34-619**	3 Round Beads. 0.313 Stem Dia.	
LINE 2	**1395cc (1.4L) DOHC 16V TRB CN/CZ/DG/DJ**			**2013-18 L4**	**BORE - 2.93"/74.5mm**
Lifter	Both	2013-18	**36-7092**	Hydraulic Lash Adjuster	
LINE 3	**1457cc (1.5L) SOHC FI 8V EH, FX**			**1978-80 L4**	**BORE - 3.13"/79.5mm**
Valve Seat Insert	Int	1978-80	**21-1437-50**	1.140T I.D. 1-7/16 O.D. 0.305 Depth	
Guide	Both	1978-80	**30-7359**	1.435 OAL. 0.4765 O.D.	
	Both	1978-80	**31-7359**	1.450 OAL. 0.4765 O.D. 0.3150 I.D. Mang. Bronze	
Valve Stem Seal	Both	1978-80	**38-3995-55**	Viton. Metal Clad.	
Expansion Plug Kit		1978-80	**97-28**	Steel Kit.	
		1978-80	**97-28B**	Brass Kit.	
LINE 4	**1471cc (1.5L) SOHC Gas (XR-XZ, FC, FG) & Diesel (CK)**			**1973-80 L4**	**BORE - 3.01"/76.5mm**
Valve Seat Insert	Int	1974-80	**21-1437-50**	1.140T I.D. 1-7/16 O.D. 0.305 Depth	
Guide	Both	1974-80	**30-7359**	1.435 OAL. 0.4765 O.D.	
	Both	1973-80	**31-7359**	1.450 OAL. 0.4765 O.D. 0.3150 I.D. Mang. Bronze	
Valve Stem Seal	Both	1973-80	**38-3995-55**	Viton. Metal Clad. 0.313 Stem	
Expansion Plug Kit		1973-80	**97-28**	Steel Kit.	
		1973-80	**97-28B**	Brass Kit.	
LINE 5	**1493cc (1.5L), 1594 (1.6L) H**			**1966-79 H4**	**BORE - 3.37"/85.6mm**
Guide	Both	1966-79	**30-6097**	2.625 OAL. 0.3155 I.D. 0.475 O.D.	
Keeper	Both	1966-79	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1966-79	**38-910-25**	Polyacrylic. Umbrella. Nitrile Matl. 38-910-15 Also Avail.	
LINE 6	**1588cc (1.6L) SOHC Gas FI 8V EE EJ YG YH YK**			**1975-80 L4**	**BORE - 3.13"/79.5mm**
Valve Seat Insert	Int	1975-80	**21-1437-50**	1.140T I.D. 1-7/16 O.D. 0.305 Depth	
Guide	Both	1975-80	**30-7359**	1.435 OAL. 0.4765 O.D.	
	Both	1975-80	**31-7359**	1.450 OAL. 0.4765 O.D. 0.3150 I.D. Mang. Bronze	
Valve Stem Seal	Both	1975-80	**38-3995-55**	Viton. Metal Clad.	
Expansion Plug Kit		1975-80	**97-28**	Steel Kit.	
		1975-80	**97-28B**	Brass Kit.	
LINE 7	**1588cc (1.6L) SOHC Diesel T 8V Vin F-H CR CS CY JK**			**1981-92 L4**	**BORE - 3.13"/79.5mm**
Valve Seat Insert	Int	1981-92	**21-1437-50**	1.140T I.D. 1-7/16 O.D. 0.305 Depth	
Guide	Both	1981-92	**30-7359**	1.435 OAL. 0.4765 O.D.	
	Both	1981-85	**31-7359**	1.450 OAL. 0.4765 O.D. 0.3150 I.D. Mang. Bronze	
Keeper	Both	1981-92	**34-619**	0.313 Stem Dia. 3 Round Beads.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 7	**1588cc (1.6L) SOHC Diesel T 8V Vin F-H CR CS CY JK**				**1981-92 L4 BORE - 3.13"/79.5mm**
Lifter	Both	1986-92	**36-2236**	Hydraulic Bucket	
Valve Stem Seal	Both	1981-92	**38-3995-55**	Viton. Metal Clad.	
LINE 8	**1598cc (1.6L) DOHC 16V (Non-USA) CLP/R/SA**				**2014-21 L4 BORE - 3.01"/76.5mm**
Valve	Exh	2014-16	**10-30111**	1.024 Head Dia. Vento	
	Int	2014-16	**10-30110**	1.161 Head Dia. Vento	
Guide	Both	2014-16	**30-3292**		
LINE 9	**1599cc (1.6L) SOHC 8V ABU (Non-USA)**				**2000-17 L4 BORE - 3.01"/76.5mm**
Valve	Exh	2000-11	**10-3191**	1.102 Head Dia. 0.234 Stem. 3G.	
	Int	2000-11	**10-3190**	1.358 Head Dia. 0.235 Stem. 3G.	
LINE 10	**1600cc (1.6L) 8V (Non-USA) Air Cooled**				**1971-03 L4 BORE - 3.37"/85.5mm**
Valve	Exh	1971-03	**10-09561**	1.177 Head Dia. '71-75 High Compression. '92-03. 3G	
	Int	1975-03	**10-09560**	1.299 Head Dia. 3G	
Guide	Both	1971-03	**30-6097**	2.625 OAL. 0.3155 I.D. 0.475 O.D.	
Keeper	Both	1971-03	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1971-03	**38-910-25**	Polyacrylic. Umbrella.	
LINE 11	**1679cc (1.7L) H 8V**				**1971-74 L4 BORE - 3.54"/90.0mm**
Guide	Exh	1971-74	**31-7473**	2.400 OAL. 0.3536 I.D. 0.514 O.D. Mang. Bronze	
	Int	1971-74	**31-8206**	2.400 OAL. 0.3149 I.D. 0.514 O.D. Mang. Bronze	
Keeper	Both	1971-74	**34-619**	3 Round Beads. 0.313 Stem Dia.	
Valve Stem Seal	Both	1971-74	**38-910-25**	Polyacrylic. Umbrella.	
LINE 12	**1715cc (1.7L) SOHC 8V Vin A, B, EN, JF, WT**				**1978-87 L4 BORE - 3.13"/79.5mm**
Valve Seat Insert	Int	1978-87	**21-1437-50**	1.140T I.D. 1-7/16 O.D. 0.305 Depth	
Guide	Both	1978-87	**30-7359**	1.435 OAL. 0.4765 O.D. Exc. 1982-84 Exh.	
	Exh	1982-84	**30-7852**	1.670 OAL. 0.3145 I.D. +2 O/S Avail.	
Keeper	Both	1978-87	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1978-87	**38-3995-55**	Viton. Metal Clad.	
LINE 13	**1760 (1.8L) Gas Carb ZT, ZY**				**1970-73 L4 BORE - 3.21"/81.5mm**
Valve Seat Insert	Exh	1970-73	**21-1437-59**	1.180T I.D. 1-7/16 O.D. 0.305 Depth.	
	Int	1970-73	**21-1562-65**	1.300T I.D. 1-9/16 O.D. 0.315 Depth	
LINE 14	**1780cc (1.8L) SOHC 8V Vin A-C,K,2H,ABG,GX,HT,JH,JN**				**1982-09 L4 BORE - 3.19"/81.0mm**
Valve	Exh	1984-05	**10-10356S**	1.305 Head Dia. 0.3127 Stem. 3.591 OAL. Eng. 2H, ACC, GX, HT, JH, JN, MZ, PF, RD, RV	
	Exh	1992-09	**10-10734S**	1.295 Head Dia. 0.2742 Stem. 3.589 OAL.	
	Int	1984-93	**10-10350S**	1.579 Head Dia. 0.3138 Stem. 3.596 OAL. Eng. 2H, HT, JH, MG, PF, PG, RD, RV	
	Int	1985-88	**10-10351**	1.575 Head Dia. 0.3135 Stem. 1.575 OAL. JH Engine	
	Int	1992-95	**10-10733**	1.555 Head Dia. 0.2756 Stem. 3.618 OAL	
Valve Seat Insert	Exh	1983-96	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1983-96	**30-7359**	1.435 OAL. 0.4765 O.D. 0.3155 I.D.	
	Both	1984-84	**30-7713**	1.810 OAL. 0.3145 I.D. +2 O/S Avail.	
	Both	1983-84	**30-7852**	1.670 OAL. 0.3145 I.D. +2 O/S Avail.	
	Both	1992-09	**30-8558**	1.435 OAL. 0.2765 I.D.	
Keeper	Both	1992-09	**34-5031**	3 Beads. 0.274 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 14	**1780cc (1.8L) SOHC 8V Vin A-C,K,2H,ABG,GX,HT,JH,JN**			**1982-09 L4**	**BORE - 3.19"/81.0mm**
Keeper	Both	1983-09	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Lifter	Both	1983-09	**36-2251**	Hydraulic Bucket	
Valve Stem Seal	Both	1983-96	**38-3995-55**	Viton. Metal Clad. 0.313 Stem. Exc. PL Eng.	
	Both	1992-09	**38-978-55**	Viton. Metal Clad. 0.275 Stem	
Expansion Plug Kit		1982-97	**97-130**	Steel Kit.	
		1982-97	**97-130B**	Brass Kit.	
LINE 15	**1780cc (1.8L) DOHC 16V PL Vin B, C**			**1986-89 L4**	**BORE - 3.19"/81.0mm**
Valve	Int	1986-89	**10-10353S**	1.264 Head Dia.	
Guide	Both	1986-89	**30-7359**	1.435 OAL. 0.3155 I.D. 0.4765 O.D.	
	Both	1987-89	**30-8139**	1.488 OAL 0.2765 I.D. 0.4763 O.D.	
Lifter	Both	1987-89	**36-2236**	Hydraulic Bucket	
Valve Stem Seal	Both	1986-89	**38-978-55**	Viton. Metal Clad.	
Expansion Plug Kit		1986-89	**97-130**	Steel Kit.	
		1986-89	**97-130B**	Brass Kit.	
LINE 16	**1781cc (1.8L) TRB DOHC 20V AEB, ATW,AW/C/M/V/W**			**1996-08 L4**	**BORE - 3.19"/81.0mm**
Valve	Exh	1996-08	**10-10803S**	1.177 Head Dia. 0.157 Tip to Groove	
	Exh	1996-08	**10-10805S**	1.177 Head Dia. 0.222 Tip to Groove	
	Int	1996-08	**10-10804S**	1.058 Head Dia. 0.235 Stem	
Guide	Both	1996-08	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	1996-08	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Exh	1996-08	**36-7075**	Hydraulic Bucket	
	Int	1996-08	**36-7076**	Hydraulic Bucket	
Valve Stem Seal	Both	1996-08	**38-9675-45**	Viton. Metal Clad.	
LINE 17	**1798cc (1.8L) DOHC 16V TRB BYT CN/CP/CX**			**2006-19 L4**	**BORE - 3.25"/82.5mm**
Valve	Exh	2006-16	**10-3095**	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
	Int	2006-15	**10-3094**	1.331 Head Dia. 0.235 Stem.	
Guide	Both	2006-16	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2006-19	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2006-19	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 18	**1.8L SOHC 8V AP (Non-USA)**			**1989-93 L4**	**BORE - 3.19"/81.0mm**
Valve	Exh	1989-93	**10-09599**	1.299 Head Dia. 0.313 Stem. 3.877 OAL	
	Int	1989-93	**10-09658**	1.496 Head Dia. 0.313 Stem. 3.885 OAL.	
Lifter	Both	1989-93	**36-2251**	Hydraulic Bucket. OEM# 034109309AD	
LINE 19	**1871cc (1.9L) SOHC Carb. & F.I.**			**1972-77 L4**	**BORE - 3.31"/84.0mm**
Valve Seat Insert	Exh	1972-77	**21-1437-59**	1.180T I.D. 1-7/16 O.D. 0.305 Depth.	
	Int	1972-77	**21-1562-65**	1.300T I.D. 1-9/16 O.D. 0.315 Depth	
LINE 20	**1896cc (1.9L) SOHC Diesel 8V Vin FG, AHU,ALH,BEW,BRM**			**1996-09 L4**	**BORE - 3.13"/79.5mm**
Valve	Exh	1996-06	**10-10732S**	1.238 Head Dia. 0.2733 Stem. 3.813 OAL	
	Exh	2005-06	**10-13338S**	1.238 Head Dia. 3.504 OAL. OEM # 038109611E	
	Exh	2004-09	**10-3079**	1.237 Head Dia. 0.274 Stem. 3.532 OAL	
	Int	2005-06	**10-13337**	1.415 Head Dia. BRM Eng. OEM # 038109601E	
	Int	2005-09	**10-3078**	1.417 Head Dia. 0.2745 Stem. 3.540 OAL	
Guide	Both	1998-09	**30-8139**	1.488 OAL 0.2765 I.D. 1.483 OAL	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 20	**1896cc (1.9L) SOHC Diesel 8V Vin FG, AHU,ALH,BEW,BRM**			**1996-09 L4**	**BORE - 3.13"/79.5mm**
Guide	Both	1996-09	**31-8139**	1.495 OAL w/ 7 mm Stem. Manganese Bronze	
Keeper	Both	1996-09	**34-5031**	3 Beads. 0.274 Stem	
Valve Stem Seal	Both	1998-09	**38-978-55**	Viton. Metal Clad	
LINE 21	**1915cc (1.9L) OHV 8V Vin B DH**			**1983-85 H4**	**BORE - 3.70"/94.0mm**
Guide	Int	1983-85	**30-6097**	2.625 OAL	
Keeper	Both	1983-85	**34-619**	0.313 Stem Dia. 3 Round Beads.	
LINE 22	**1967cc (2.0L) SOHC Diesel 8V Vin E BHW Turbo**			**2004-05 L4**	**BORE - 3.19"/81.0mm**
Valve	Int	2004-05	**10-13337**	1.415 Head Dia. OEM # 038109601E	
Valve Stem Seal	Both	2004-05	**38-978-55**	Viton. Metal Clad.	
LINE 23	**1968cc (2.0L) DOHC 16V TRB Diesel TDI**			**2009-15 L4**	**BORE - 3.19"/81.0mm**
Valve	Exh	2010-15	**10-30129**	0.964 Head Dia. 0.2345 Stem. 3.906 OAL. 3G. OEM # 03L109611	
	Int	2010-15	**10-30128**	1.107 Head Dia. 0.235 Stem. 3.911 OAL. 3G OEM # 03L109601	
Guide	Both	2009-14	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2009-15	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2009-15	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 24	**1984cc (2.0L) SOHC Audi 3A 8V**			**1988-90 L4**	**BORE - 3.25"/82.5mm**
Valve	Exh	1988-90	**10-10356S**	1.305 Head Dia. Stellite	
Valve Seat Insert	Exh	1988-90	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1988-90	**30-7359**	1.435 OAL. 0.4765 O.D.	
Keeper	Exh	1988-90	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1988-90	**38-3995-55**	Viton. Metal Clad.	
LINE 25	**1984cc (2.0L) DOHC 16V TRB**			**2008-25 L4**	**BORE - 3.25"/82.5mm**
Valve	Exh	2008-21	**10-3095**	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
	Int	2008-21	**10-3094**	1.331 Head Dia. 0.235 Stem.	
Guide	Both	2008-21	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2008-22	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2008-23	**36-7092**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2008-23	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 26	**1984cc (2.0L) DOHC 16V Vin B,C,E, J,9A**			**1990-93 L4**	**BORE - 3.25"/82.5mm**
Valve	Exh	1990-93	**10-10355S**	1.102 Head Dia. Vin J To Chassis # 31P16001	
	Int	1990-93	**10-10353S**	1.264 Head Dia. To Chassis # 31P16001	
Guide	Both	1990-93	**30-8139**	1.488 OAL	
	Both	1990-93	**30-8558**	1.435 OAL. 0.2765 I.D.	
Lifter	Both	1990-93	**36-2236**	Hydraulic Bucket	
Valve Stem Seal	Both	1990-93	**38-978-55**	Viton. Metal Clad.	
LINE 27	**1984cc (2.0L) SOHC 8V Vin A-C,L,R ABA, AEG, AVH, AZG**			**1993-10 L4**	**BORE - 3.25"/82.5mm**
Valve	Exh	1993-10	**10-10734S**	1.295 Head Dia. 0.108 Tip To Groove	
	Int	1993-10	**10-10733**	1.555 Head Dia. 0.135 Tip To Groove	
Guide	Both	1993-10	**30-8558**	1.435 OAL. 0.2765 I.D.	
Keeper	Both	1993-10	**34-5031**	3 Beads. 0.274 Stem	
Lifter	Both	1993-10	**36-2236**	Hydraulic Bucket.	
Valve Stem Seal	Both	1993-10	**38-978-55**	Viton. Metal Clad. 0.275 Stem	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 28	1984cc (2.0L) DOHC 16V BPG,BPY,BWT Turbo			2005-14 L4	BORE - 3.25"/82.5mm
Valve	Exh	2005-14	10-3095	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
	Int	2005-14	10-3094	1.331 Head Dia. 0.235 Stem. 4.094 OAL	
Guide	Both	2005-14	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
	Exh	2005-14	31-2075	1.540 OAL. 0.236 I.D. 0.435 O.D.	
	Int	2005-14	31-2074	1.475 OAL. 0.236 I.D. 0.435 O.D.	
Keeper	Both	2005-14	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2005-14	36-7092	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2005-14	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
LINE 29	1984cc (2.0L) SOHC 8V CBPA			2011-15 L4	BORE - 3.25"/82.5mm
Valve	Exh	2011-13	10-10734S	1.295 Head Dia. 0.108 Tip To Groove	
	Int	2011-13	10-10733	1.555 Head Dia. 0.275 Stem	
Guide	Both	2011-13	30-8139	1.488 OAL	
Keeper	Both	2011-15	34-5031	3 Beads. 0.274 Stem	
Valve Stem Seal	Both	2011-15	38-978-55	Viton. Metal Clad.	
LINE 30	1986cc (2.0L) SOHC 10V Trb Diesel Vin G,H,CN,DE			1979-85 L5	BORE - 3.01"/76.5mm
Valve Seat Insert	Int	1979-84	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
Keeper	Both	1979-84	34-619	3 Round Beads. 0.313 Stem Dia.	
Valve Stem Seal	Both	1979-84	38-3995-55	Viton. Metal Clad.	
LINE 31	2109cc (2.1L) OHV Vin B MV 8V			1986-92 H4	BORE - 3.70"/94.0mm
Guide	Exh	1991-92	30-7473	2.400 OAL	
	Int	1991-92	30-6097	2.625 OAL. S/N 2109CC Cut To Length	
	Both	1986-92	31-7473	2.400 OAL. 0.3536 I.D. 0.514 O.D. Mang. Bronze	
	Both	1986-92	31-8202	2.400 OAL. Bronze. 0.3419 I.D. 0.4755 O.D.	
Keeper	Both	1986-91	34-619	0.313 Stem Dia. 3 Round Beads.	
LINE 32	2144cc (2.2L) SOHC 10V KH, WD, WE, WK, WU, TRB			1977-85 L5	BORE - 3.13"/79.5mm
Valve	Exh	1983-85	10-10356S	1.305 Head Dia. 3.591 OAL	
Keeper	Both	1983-85	34-619	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1977-85	38-3995-55	Viton. Metal Clad.	
LINE 33	2226cc (2.2L) SOHC 10V Trb Vin B-E, JT, KZ,MC			1983-91 L5	BORE - 3.19"/81.0mm
Valve	Exh	1984-91	10-10356S	1.305 Head Dia.	
Valve Seat Insert	Exh	1984-91	21-1375-55	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Exh	1984-91	30-7713	1.810 OAL. +2 O/S Avail.	
	Exh	1984-91	30-7852	1.670 OAL.	
	Int	1984-91	30-7359	1.435 OAL. 0.4765 O.D.	
Keeper	Both	1984-91	34-619	0.313 Stem Dia. 3 Round Beads.	
Lifter	Both	1984-91	36-2251	Hydraulic Bucket	
Valve Stem Seal	Both	1984-91	38-3995-55	Viton. Metal Clad.	
LINE 34	2226cc (2.2L) DOHC 20V Trb Vin A, P, R, AAN			1992-96 L5	BORE - 3.19"/81.0mm
Valve	Int	1992-96	10-10353S	1.264 Head Dia.	
Guide	Both	1992-96	30-7359	1.435 OAL. 0.4765 O.D. 31- Prefix Bronze Avail.	
Lifter	Both	1992-96	36-2236	Hydraulic Bucket. OEM# 017089102, 017105951	
	Both	1992-96	36-2251	Hydraulic Bucket. OEM# 034109309AD	
Valve Stem Seal	Both	1992-96	38-978-55	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 35	**2309cc (2.3L) SOHC 10V Vin B, C, D, NF, NG**				**1987-92 L5 BORE - 3.25"/82.5mm**
Valve	Exh	1987-92	**10-10356S**	1.305 Head Dia.	
	Int	1987-87	**10-10350S**	1.579 Head Dia. NF & NG Engines	
Valve Seat Insert	Exh	1987-92	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1987-92	**30-7359**	1.435 OAL. 0.4765 O.D.	
Keeper	Both	1987-92	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Lifter	Both	1987-92	**36-2251**	Hydraulic Bucket	
Valve Stem Seal	Both	1987-92	**38-3995-55**	Viton. Metal Clad.	
LINE 36	**2309cc (2.3L) DOHC 20V Vin E, 7A**				**1990-92 L5 BORE - 3.25"/82.5mm**
Valve	Exh	1990-91	**10-10355S**	1.102 Head Dia. 7A Eng. Only	
	Int	1990-91	**10-10353S**	1.264 Head Dia.	
Guide	Both	1990-91	**30-8139**	(Printed 30-7359)	
Lifter	Both	1990-91	**36-2251**	Hydraulic Bucket	
Valve Stem Seal	Both	1990-91	**38-978-55**	Viton. Metal Clad.	
LINE 37	**2459cc (2.5L) SOHC 10V Vin C, D, E, AAF, ACU**				**1993-06 L5 BORE - 3.19"/81.0mm**
Valve	Exh	1993-06	**10-10356S**	1.305 Head Dia.	
Guide	Both	1993-06	**30-7359**	1.435 OAL. 0.4765 O.D.	
Keeper	Both	1993-06	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Lifter	Both	1993-06	**36-2236**	Hydraulic Bucket	
Valve Stem Seal	Both	1993-06	**38-3995-55**	Viton. Metal Clad.	
LINE 38	**2461cc (2.5L) SOHC 10V (Non-USA)**				**1997-06 L5 BORE - 3.19"/81.0mm**
Valve	Exh	1997-06	**10-10356S**	1.305 Head Dia. Engine Code AVT Eurovan/Transporter	
	Exh	1998-03	**10-3077**	1.240 Head Dia. Engine Code AJT/AXG Eurovan/Transporter	
	Exh	1997-03	**10-3079**	1.234 Head Dia. Engine Code APL Eurovan/Transporter	
	Int	1998-03	**10-3076**	1.417 Head Dia. Engine Code AJT/AXG Eurovan/Transporter	
	Int	1997-03	**10-3078**	1.417 Head Dia. Engine Code APL Eurovan/Transporter	
LINE 39	**2480cc (2.5L) DOHC 20V BG, BP, CBTA, CBUA**				**2005-20 L5 BORE - 3.25"/82.5mm**
Valve	Exh	2005-14	**10-3095**	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
	Int	2012-13	**10-3094**	1.331 Head Dia. 0.235 Stem. 4.094 OAL	
	Int	2005-14	**10-3096**	1.273 Head Dia. 0.235 Stem. 4.093 OAL	
Guide	Both	2005-14	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2005-20	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2005-20	**36-7092**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2005-14	**38-9675-45**	Viton. Metal Clad.	
LINE 40	**2671cc (2.7L) DOHC 30V TRB APB, BEL Vin D, P**				**2000-05 V6 BORE - 3.19"/81.0mm**
Valve	Exh	2000-05	**10-10803S**	1.177 Head Dia. 0.157 Tip to Groove	
	Exh	2000-05	**10-10805S**	1.177 Head Dia. 0.222 Tip to Groove	
	Int	2000-05	**10-10804S**	1.058 Head Dia.	
Guide	Both	2000-05	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2000-05	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Exh	2000-05	**36-7075**	Hydraulic Bucket	
	Int	2000-05	**36-7076**	1.415 OAL. Hydraulic Bucket	
Valve Stem Seal	Both	2000-05	**38-9675-45**	Viton. Metal Clad.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 41	**2771cc (2.8L) DOHC SOHC 12V Vin A-C, E,J-L, AAH, AFC**			**1992-98 V6**	**BORE - 3.19"/81.0mm**
Valve	Exh	1992-95	**10-10356S**	1.305 Head Dia.	
	Exh	1995-98	**10-10734S**	1.295 Head Dia. 0.108 Tip To Groove	
	Int	1995-98	**10-10733**	1.555 Head Dia. 0.275 Stem	
Valve Seat Insert	Exh	1992-95	**21-1375-55**	1.120 I.D. 1-3/8 O.D. 0.325 Depth.	
Guide	Both	1992-95	**30-7359**	1.435 OAL. 0.4765 O.D.	
	Both	1995-98	**30-8558**	1.435 OAL. 0.2765 I.D.	
Keeper	Both	1995-98	**34-5031**	3 Beads. 0.274 Stem	
	Both	1992-95	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Lifter	Both	1992-95	**36-2236**	Hydraulic Bucket	
Valve Stem Seal	Both	1992-98	**38-3995-55**	Viton. Metal Clad.	
LINE 42	**2771cc (2.8L) DOHC 30V Vin A, D, H, AHA,ATQ,AMX**			**1998-05 V6**	**BORE - 3.25"/82.5mm**
Valve	Exh	1998-05	**10-10803S**	1.177 Head Dia. 0.157 Tip to Groove	
	Exh	1998-05	**10-10805S**	1.177 Head Dia. 0.222 Tip to Groove	
	Int	1998-05	**10-10804S**	1.059 Head Dia.	
Guide	Both	1998-05	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	1998-05	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Exh	1998-05	**36-7075**	Hydraulic Bucket	
	Int	1998-05	**36-7076**	Hydraulic Bucket	
Valve Stem Seal	Both	1998-05	**38-9675-45**	Viton. Metal Clad.	
LINE 43	**2792cc (2.8L) SOHC 12V Vin D,E,F, AAA,AES, AFP,VR6**			**1992-04 V6**	**BORE - 3.19"/81.0mm**
Valve	Exh	1992-04	**10-10557S**	1.346 Head Dia. 0.274 Stem	
Guide	Both	1992-04	**30-8139**	1.483 OAL	
	Both	1992-04	**31-8139**	1.495 OAL	
Keeper	Both	1992-04	**34-5031**	3 Beads. 0.274 Stem	
Lifter	Both	1992-04	**36-2236**	Hydraulic Bucket.	
Valve Stem Seal	Both	1992-04	**38-978-55**	Viton. Metal Clad.	
LINE 44	**2792cc (2.8L) DOHC 24V AFP, AMV, AXK, BDF**			**2002-05 V6**	**BORE - 3.19"/81.0mm**
Valve	Exh	2002-05	**10-13311**	1.181 Head Dia. 0.235 Stem. 5.367 OAL. 2 Lengths Possible. Watch OAL.	
	Exh	2002-05	**10-13313**	1.181 Head Dia. 0.235 Stem. 4.024 OAL. 2 Lengths Possible. Watch OAL.	
	Int	2002-05	**10-13310**	1.309 Head Dia. 0.235 Stem. 5.374 OAL. 2 Lengths Possible. Watch OAL.	
	Int	2002-05	**10-13312**	1.309 Head Dia. 0.235 Stem. 4.040 OAL. 2 Lengths Possible. Watch OAL.	
Keeper	Both	2002-05	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2002-05	**38-9675-45**	Viton. Metal Clad.	
LINE 45	**2894cc (2.9L) DOHC 24V**			**2018-24 V6**	**BORE - 3.33"/84.6mm**
Keeper	Both	2018-23	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2018-23	**36-7092**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2018-23	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 46	**2967cc (3.0L) DOHC 24V Diesel TDI**			**2009-16 V6**	**BORE - 3.27"/83.1mm**
Guide	Both	2009-16	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2009-16	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2009-16	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 47	2976cc (3.0L) DOHC 30V Vin T, AVK BGN			2002-06 V6	BORE - 3.25"/82.5mm
Valve	Exh	2002-06	10-10803S	1.177 Head Dia. 0.157 Tip to Groove	
	Exh	2002-06	10-10805S	1.177 Head Dia. 0.222 Tip to Groove	
	Int	2002-06	10-10804S	1.059 Head Dia.	
Guide	Both	2002-06	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2002-06	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Exh	2002-06	36-7075	Hydraulic Bucket	
	Int	2002-06	36-7076	Hydraulic Bucket	
Valve Stem Seal	Both	2002-06	38-9675-45	Viton. Metal Clad.	
LINE 48	2995cc (3.0L) DOHC 24V S/C CG/CT/DL			2009-24 V6	BORE - 3.33"/84.5mm
Valve	Exh	2009-19	10-3095	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
	Int	2009-19	10-13314	1.333 Head Dia.	
Guide	Both	2009-19	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2009-23	34-5021	3 Round Beads. 0.236 Stem Dia.3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2009-23	36-7092	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2009-23	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
LINE 49	3123cc (3.2L) DOHC 24V BHK, BKH, CALB			2004-09 V6	BORE - 3.31"/84.1mm
Valve	Exh	2004-08	10-3095	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
Guide	Both	2004-08	30-3252	1.415 OAL.	
	Both	2004-09	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2004-09	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2004-09	36-7092	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2004-09	38-9675-45	Viton. Metal Clad.	
LINE 50	3189cc (3.2L) DOHC 24V BHE,BJS,BMX,BUB			2004-09 V6	BORE - 3.31"/84.1mm
Valve	Exh	2004-08	10-13311	1.181 Head Dia. 0.235 Stem. 5.367 OAL. 2 Lengths Possible. Watch OAL.	
	Exh	2004-08	10-13313	1.181 Head Dia. 0.235 Stem. 4.024 OAL. 2 Lengths Possible. Watch OAL.	
	Int	2004-08	10-13310	1.309 Head Dia. 0.235 Stem. 5.374 OAL. 2 Lengths Possible. Watch OAL.	
	Int	2004-08	10-13312	1.309 Head Dia. 0.235 Stem. 4.040 OAL. 2 Lengths Possible. Watch OAL.	
Guide	Both	2004-09	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2004-09	34-5021	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2004-09	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
LINE 51	3562cc (3.6L) DOHC 32V Vin E, PT			1990-91 V8	BORE - 3.19"/81.0mm
Valve	Int	1990-91	10-10353S	1.264 Head Dia.	
Valve Stem Seal	Both	1990-91	38-978-55	Viton. Metal Clad.	
LINE 52	3597cc (3.6L) DOHC 24V BH/BL/CD/CG			2006-22 V6	BORE - 3.50"/88.9mm
Valve	Exh	2006-17	10-13311	1.181 Head Dia. 0.235 Stem. 5.367 OAL. 2 Lengths Possible. Watch OAL.	
	Exh	2006-17	10-13313	1.189 Head Dia. 0.235 Stem. 4.024 OAL. 2 Lengths Possible. Watch OAL.	
	Int	2006-17	10-13310	1.309 Head Dia. 0.235 Stem. 5.374 OAL. 2 Lengths Possible. Watch OAL.	
	Int	2006-17	10-13312	1.307 Head Dia. 0.235 Stem. 4.040 OAL. 2 Lengths Possible. Watch OAL.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 52	3597cc (3.6L) DOHC 24V BH/BL/CD/CG			2006-22 V6	BORE - 3.50"/88.9mm
Guide	Both	2006-17	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2006-17	34-5021	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2006-17	38-9675-45	Viton. Metal Clad. 0.234 Stem	
LINE 53	3604cc (3.6L) SOHC 24V (Chrysler)			2011-14 V6	BORE - 3.78"/96.0mm
Valve	Exh	2011-14	10-13264	1.181 Head Dia. 0.2347 Stem	
	Int	2011-14	10-13263	1.535 Head Dia. 0.235 Stem	
Guide	Both	2011-14	30-3182	1.815 OAL 0.4355 O.D. 0.2365 I.D.	
Keeper	Both	2011-14	34-03722	3 Round Beads. 0.234 Stem	
Lifter	Both	2011-14	36-7561	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2011-14	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
Rocker Component	Both	2011-14	40-9123	Rocker Arm	
LINE 54	3697cc (3.7L) DOHC 32V AEW			1997-99 V8	BORE - 3.33"/84.6mm
Valve	Exh	1997-99	10-3183	1.178 Head Dia. 6mm Stem	
	Int	1997-99	10-3182	1.06 Head Dia. 6mm Stem	
LINE 55	3952cc (4.0L) SOHC 24V (Chrysler)			2007-10 V6	BORE - 3.78"/96.0mm
Valve	Exh	2007-10	10-1713	1.142 Head Dia. 0.272 Stem	
	Int	2007-10	10-1901	1.437 Head Dia. 0.273 Stem	
Guide	Exh	2007-10	30-8547	2.160 OAL. 0.4545 O.D. 0.276 I.D.	
	Int	2007-10	30-8548	2.040 OAL. 0.4545 O.D. 0.275 I.D.	
Keeper	Both	2007-10	34-281	3 Round Beads. 0.275 Stem Dia.	
Lifter	Both	2007-10	36-7078	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-10	38-20-45	Viton. Top Hat	
LINE 56	3993cc (4.0L) DOHC 32V TRB CE/CR/CT/CW/DD			2013-18 V8	BORE - 3.33"/84.6mm
Valve	Int	2013-18	10-3094	1.331 Head Dia. 0.235 Stem.	
Guide	Both	2013-15	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2013-18	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2016-18	36-7092	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2013-18	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
LINE 57	4172cc (4.2L) DOHC 32V Vin L, W, ABH			1992-94 V8	BORE - 3.33"/84.6mm
Valve	Int	1992-94	10-10353S	1.264 Head Dia.	
Valve Stem Seal	Both	1992-94	38-978-55	Viton. Metal Clad.	
LINE 58	4172cc (4.2L) DOHC 32V BA/BN/BV/CN			2004-16 V8	BORE - 3.33"/84.6mm
Valve	Exh	2007-14	10-3095	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
	Int	2008-12	10-13314	1.333 Head Dia.	
Guide	Both	2004-14	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2004-14	34-5021	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2004-14	38-9675-45	Viton. Metal Clad. 0.234 Stem.	
LINE 59	4172cc (4.2L) DOHC 40V AQF, AQG, ARS			1997-09 V8	BORE - 3.33"/84.6mm
Valve	Exh	1997-09	10-3183	1.178 Head Dia. 6mm Stem. 2 per Cyl.	
	Int	1997-09	10-3182	1.06 Head Dia. 6mm Stem 3 per Cyl.	
Guide	Both	1997-09	31-03419	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	1997-09	34-5021	3 Round Beads. 0.236 Stem Dia.	

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 59	**4172cc (4.2L) DOHC 40V AQF, AQG, ARS**				**1997-09 V8 BORE - 3.33"/84.6mm**
Valve Stem Seal	Both	1997-09	**38-9675-45**	Viton. Metal Clad.	
LINE 60	**4921cc (5.0L) SOHC Diesel 20V BKW, BWF "TDI"**				**2005-08 V10 BORE - 3.19"/81.0mm**
Valve	Exh	2006-08	**10-13338S**	1.238 Head Dia. 0.2739 Stem. 3.504 OAL. OEM # 038109611E	
	Int	2006-08	**10-13337**	1.415 Head Dia. 0.2748 Stem. 3.524 OAL. OEM # 038109601E	
Keeper	Both	2005-08	**34-5031**	3 Beads. 0.274 Stem	
Valve Stem Seal	Both	2005-08	**38-978-55**	Viton. Metal Clad.	
LINE 61	**5204cc (5.2L) DOHC 40V BSM, BXA, CT**				**2007-23 V10 BORE - 3.33"/84.6mm**
Valve	Exh	2007-15	**10-3095**	1.102 Head Dia. 0.235 Stem. 4.012 OAL	
Guide	Both	2007-15	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2007-15	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	2007-16	**36-7092**	Hydraulic Lash Adjuster	
Valve Stem Seal	Both	2007-17	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	
LINE 62	**5998cc (6.0L) DOHC 48V BSB**				**2005-09 W12 BORE - 3.31"/84.1mm**
Guide	Both	2005-09	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2005-09	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2005-09	**38-9675-45**	Viton. Metal Clad.	
LINE 63	**6229cc (6.3L) DOHC 48V CE/CT**				**2013-16 W12 BORE - 3.39"/86.1mm**
Valve	Exh	2013-16	**10-13313**	1.189 Head Dia. 0.235 Stem. 4.024 OAL.	
	Int	2013-16	**10-13312**	1.309 Head Dia. 0.235 Stem. 4.040 OAL.	
Guide	Both	2013-16	**31-03419**	1.415 OAL. 0.236 I.D. 0.436 O.D. Mang. Bronze	
Keeper	Both	2013-16	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
Valve Stem Seal	Both	2013-16	**38-9675-45**	Viton. Metal Clad. 0.234 Stem.	

ENGINE	YEAR	CYL.	LINE NO.
1948cc (1.9L) DOHC 16V B4204T	1999-05	L4	**1**
1969cc (2.0L) DOHC 16V TRB B4204Txx	2014-25	L4	**2**
1990cc (2.0L) 8V B20A B20B B20E	1969-75	L4	**3**
2127cc (2.1L) SOHC 8V Vin 4,41,B21,B21F,B21FT,B21FTI	1976-85	L4	**4**
2316cc (2.3L) SOHC 8V Vin 8, B23F, B23FT	1983-84	L4	**5**
2316cc (2.3L) SOHC 8V Vin 8, 88, B230F/FD/FT Turbo	1984-96	L4	**6**
2319cc (2.3L) DOHC 20V Turbo B5234/T	1994-05	L5	**7**
2383cc (2.4L) SOHC 12V Diesel Vin 7 D24/T	1980-86	L6	**8**
2435cc (2.4L) DOHC 20V B5244	1993-11	L5	**9**
2521cc (2.5L) DOHC 20V B5254T	2003-16	L5	**10**
2673cc (2.7L) SOHC 12V Vin 61, 65, B27F	1975-79	L6,V6	**11**
2849cc (2.8L) SOHC 12V Vin 6,B28F	1980-90	V6	**12**
2917cc (2.9L) DOHC 24V B6294S	1999-05	L6	**13**
2922cc (2.9L) DOHC 20V B6304	1992-04	L6	**14**
2953cc (3.0L) DOHC 24V (Ford)	2008-13	L6	**15**
2980cc (3.0L) 12V B30A, B30E, F	1969-75	L6	**16**
3192cc (3.2L) DOHC 24V (Ford) B6324	2007-13	L6	**17**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1948cc (1.9L) DOHC 16V B4204T**				**1999-05 L4 BORE - 3.27"/83.1mm**
Keeper	Both	1999-05	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
LINE 2	**1969cc (2.0L) DOHC 16V TRB B4204Txx**				**2014-25 L4 BORE - 3.23"/82.0mm**
Keeper	Both	2014-25	**34-5021**	3 Round Beads. 0.236 Stem Dia.	
LINE 3	**1990cc (2.0L) 8V B20A B20B B20E**				**1969-75 L4 BORE - 3.50"/88.9mm**
Valve Seat Insert	Int	1969-75	**21-1750-56**	1.510T I.D. 1-3/4 O.D. 0.250 Depth	
Expansion Plug Kit		1969-75	**97-47**	Steel Kit.	
		1969-75	**97-47B**	Brass Kit.	
LINE 4	**2127cc (2.1L) SOHC 8V Vin 4,41,B21,B21F,B21FT,B21FTI**				**1976-85 L4 BORE - 3.62"/91.9mm**
Valve Seat Insert	Exh	1976-85	**21-1562-78**	1.230 I.D. 1-9/16 O.D. 0.278 Depth	
Guide	Exh	1976-85	**30-8553**	2.045 OAL	
	Int	1976-85	**30-8551**	2.045 OAL	
Keeper	Both	1976-85	**34-619**	0.313 Stem Dia. 3 Round Beads.	
Valve Stem Seal	Both	1976-85	**38-961-55**	Viton. Metal Clad.	
Expansion Plug Kit		1976-85	**97-48**	Steel Kit.	
		1976-85	**97-48B**	Brass Kit.	
LINE 5	**2316cc (2.3L) SOHC 8V Vin 8, B23F, B23FT**				**1983-84 L4 BORE - 3.78"/96.0mm**
Valve Seat Insert	Exh	1983-84	**21-1562-78**	1.230 I.D. 1-9/16 O.D. 0.278 Depth	
Keeper	Both	1983-84	**34-619**	3 Round Beads. 0.313 Stem Dia.	
Valve Stem Seal	Both	1983-84	**38-961-55**	Viton. Metal Clad.	
Expansion Plug Kit		1983-84	**97-48**	Steel Kit.	
		1983-84	**97-48B**	Brass Kit.	
LINE 6	**2316cc (2.3L) SOHC 8V Vin 8, 88, B230F/FD/FT Turbo**				**1984-96 L4 BORE - 3.78"/96.0mm**
Valve Seat Insert	Exh	1984-96	**21-1562-78**	1.230 I.D. 1-9/16 O.D. 0.278 Depth	
Guide	Exh	1984-96	**30-8551**	2.045 OAL	
	Int	1984-96	**30-8553**	2.045 OAL	
Keeper	Both	1984-96	**34-619**	3 Round Beads. 0.313 Stem Dia.	

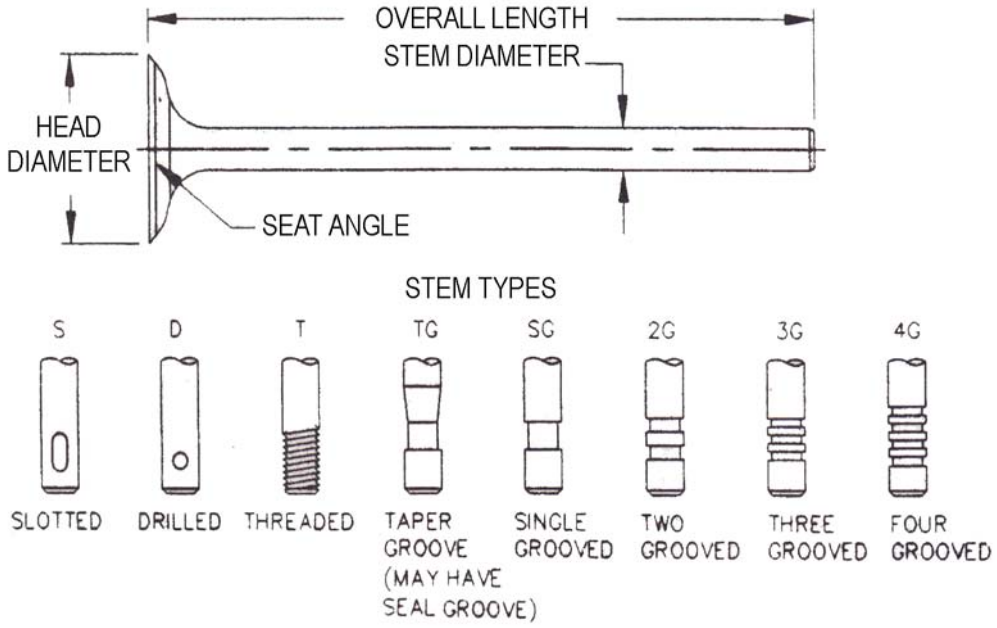
COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 6	2316cc (2.3L) SOHC 8V Vin 8, 88, B230F/FD/FT Turbo				1984-96 L4 BORE - 3.78"/96.0mm
Valve Stem Seal	Both	1984-96	38-961-55	Viton. Metal Clad.	
LINE 7	2319cc (2.3L) DOHC 20V Turbo B5234/T				1994-05 L5 BORE - 3.19"/81.0mm
Guide	Both	1994-04	30-8552	1.770 OAL	
Keeper	Both	1994-04	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1994-04	36-7089	Hydraulic	
LINE 8	2383cc (2.4L) SOHC 12V Diesel Vin 7 D24/T				1980-86 L6 BORE - 3.01"/76.5mm
Valve Seat Insert	Int	1980-86	21-1500-62	1.220T I.D. 1-1/2 O.D. 0.310 Depth.	
Guide	Both	1980-86	30-7359	1.435 OAL. 0.4765 O.D.	
Keeper	Exh	1980-86	34-619	3 Round Beads. 0.313 Stem Dia.	
Valve Stem Seal	Both	1980-86	38-961-55	Viton. Metal Clad.	
LINE 9	2435cc (2.4L) DOHC 20V B5244				1993-11 L5 BORE - 3.27"/83.1mm
Keeper	Both	1993-11	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1993-06	36-7089	Hydraulic	
LINE 10	2521cc (2.5L) DOHC 20V B5254T				2003-16 L5 BORE - 3.26"/82.8mm
Keeper	Both	2003-16	34-5021	3 Round Beads. 0.236 Stem Dia.	
LINE 11	2673cc (2.7L) SOHC 12V Vin 61, 65, B27F				1975-79 L6, BORE - 3.47"/88.1mm
Valve Seat Insert	Exh	1975-79	21-1562-71	1.275T I.D. 1-9/16 O.D. 0.258 Depth	
	Int	1975-79	21-1812-59	1.540T I.D. 1-13/16 O.D. 0.250 Depth	
Valve Stem Seal	Both	1975-79	38-961-55	Viton. Metal Clad.	
LINE 12	2849cc (2.8L) SOHC 12V Vin 6,B28F				1980-90 V6 BORE - 3.58"/90.9mm
Valve Seat Insert	Exh	1980-90	21-1562-71	1.275T I.D. 1-9/16 O.D. 0.258 Depth	
	Int	1980-90	21-1812-59	1.540T I.D. 1-13/16 O.D. 0.250 Depth	
Valve Stem Seal	Both	1980-90	38-961-55	Viton. Metal Clad.	
LINE 13	2917cc (2.9L) DOHC 24V B6294S				1999-05 L6 BORE -
Keeper	Both	1999-05	34-5021	3 Round Beads. 0.236 Stem Dia.	
Lifter	Both	1999-05	36-7089	Hydraulic	
Valve Stem Seal	Both	1999-05	38-978-55	Viton. Metal Clad.	
LINE 14	2922cc (2.9L) DOHC 20V B6304				1992-04 L6 BORE - 3.27"/83.1mm
Lifter	Both	1992-98	36-7089	Hydraulic	
LINE 15	2953cc (3.0L) DOHC 24V (Ford)				2008-13 L6 BORE - 3.31"/84.1mm
Keeper	Both	2008-13	34-5021	3 Round Beads. 0.236 Stem Dia.	
LINE 16	2980cc (3.0L) 12V B30A, B30E, F				1969-75 L6 BORE - 3.50"/88.9mm
Valve Seat Insert	Int	1969-75	21-1750-56	1.510T I.D. 1-3/4 O.D. 0.250 Depth	
Expansion Plug Kit		1969-75	97-48	Steel Kit.	
		1969-75	97-48B	Brass Kit.	
LINE 17	3192cc (3.2L) DOHC 24V (Ford) B6324				2007-13 L6 BORE - 3.31"/84.1mm
Keeper	Both	2007-13	34-5021	3 Round Beads. 0.236 Stem Dia.	

ENGINE	YEAR	CYL.	LINE NO.
1116cc (1.1L) SOHC Fiat	1986-89	L4	**1**

COMPONENT	I/E/B	YEARS	PART No.	NOTE	see online catalog for latest appl. info.
LINE 1	**1116cc (1.1L) SOHC Fiat**				**1986-89 L4 BORE - 3.15"/80.0mm**
Valve Seat Insert	Int	1986-89	**21-1500-65**	1.140T I.D. 1-1/2 O.D. 0.325 Depth	
Expansion Plug Kit		1986-89	**97-96**	Steel Kit	
		1986-89	**97-96B**	Brass Kit.	

MANUFACTURER ABBREVIATIONS FOR NUMERICAL LISTINGS

Engine Manufacturer	Abbr.	Engine Manufacturer	Abbr.
BMW	BMW	Land Rover	LAN
Chrysler Marine	CHM	Mazda	MAZ
Chrysler Passenger Car / Truck	CHC	Mercedes Benz	MBZ
Daewoo	DAE	Mitsubishi	MIT
Fiat	FIA		NIS
Ford Marine	FOM	Nissan	PEU
Ford Passenger Car / Truck	FOR	Peugeot	REN
GM Marine	GMM	Renault	SAA
GM Passenger Car / Truck	GM	Saab	SUB
Harley Davidson	HAR	Subaru	SUZ
Honda	HON	Suzuki	TOY
Hyundai	HYU	Toyota	VOK
Isuzu	ISU	Volkswagen/Audi	VOL
Jaguar	JAG	Volvo	YUG
Kia	KIA	Yugo	



VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-121	1.468	0.3715	5.810	0.1882	45	SG	☐	☐	CHC 24
10-122	1.531	0.3727	5.810	0.1880	45	SG	☐	☐	CHC 24
10-185	1.407	0.3405	4.905	0.3031	45	2G	☐	☐	CHC 56 62
10-199	1.641	0.3412	6.283	0.6780	30	2G	☐	☐	GM 103 114
10-210	1.328	0.339	5.198	0.4150	44	SG	☐	☐	CHC 61
10-211	1.520	0.3406	5.177	0.4215	30	SG	☐	☐	CHC 61
10-212	1.510	0.3410	4.819	0.2565	45	SG	☐	☐	FOR 65 75
10-302	2.000	0.3733	4.791	0.1870	45	SG	☐	☐	CHC 25
10-303	1.468	0.3715	5.913	0.1858	45	SG	☐	☐	CHC 25
10-308	1.875	0.3415	6.391	0.7563	30	2G	☐	☐	GM 114 128
10-349	1.531	0.3405	4.845	0.2500	45	2G	☐	☐	CHC 56 62
10-349+15	1.531	0.3555	4.845	0.2500	45	2G	☐	☐	CHC 56 62

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-373	1.780	0.3421	5.110	0.2000	45	SG	☐	☐	FOR 61 74 78 84 90 92
10-373+3	1.780	0.3451	5.110	0.2000	45	SG	☐	☐	FOR 61 74 78 84 90 92
10-373+15	1.780	0.3571	5.110	0.2000	45	SG	☐	☐	FOR 61 74 78 84 90 92
10-373+30	1.780	0.3721	5.110	0.2000	45	SG	☐	☐	FOR 61 74 78 84 90 92
10-375	1.510	0.3418	5.089	0.2000	45	SG	☐	☐	FOR 59 61 66 74 78 84 90
10-375+3	1.510	0.3448	5.089	0.2000	45	SG	☐	☐	FOR 59 61 66 74 78 84 90
10-375+30	1.510	0.3718	5.089	0.2000	45	SG	☐	☐	FOR 59 61 66 74 78 84 90
10-376	1.647	0.3420	5.090	0.2000	45	SG	☐	☐	FOR 66 78 84 90
10-376+30	1.647	0.3720	5.090	0.2000	45	SG	☐	☐	FOR 66 78 84 90
10-399	1.720	0.3413	4.917	0.2591	45	2G	☐	☐	GM 74 88 102 112 120 128 129 139 142 153 162
10-399+3	1.720	0.3443	4.917	0.2591	45	2G	☐	☐	GM 74 88 102 112 120 128 129 139 142 153 162
10-399+15	1.720	0.3569	4.917	0.2591	45	2G	☐	☐	GM 74 88 102 112 120 128 129 139 142 153 162
10-399+30	1.720	0.3713	4.917	0.2591	45	2G	☐	☐	GM 74 88 102 112 120 128 129 139 142 153 162
10-400	1.500	0.3412	4.928	0.2890	45	2G	☐	☑	GM 74 88 102 103 112 114 120 128 129 139 151 153 162 170 187
10-400+3	1.500	0.3445	4.928	0.2890	45	2G	☐	☑	GM 74 88 102 103 112 114 120 128 129 139 151 153 162 170 187
10-400+15	1.500	0.3562	4.928	0.2890	45	2G	☐	☑	GM 74 88 102 103 112 114 120 128 129 139 151 153 162 170 187
10-400+30	1.500	0.3712	4.928	0.2890	45	2G	☐	☑	GM 74 88 102 103 112 114 120 128 129 139 151 153 162 170 187
10-494	1.925	0.3421	5.110	0.2000	44	SG	☐	☐	FOR 78 84 90
10-514	1.844	0.3725	4.599	0.2130	45	2G	☐	☐	CHM 13 CHC 76 82 84
10-518	1.563	0.3715	4.539	0.0989	45	4G	☐	☐	CHM 13 CHC 76 80 82 84
10-520	1.600	0.3725	4.889	0.2235	45	4G	☐	☐	CHC 94 98 105 106 107
10-548	2.080	0.3725	4.869	0.3365	45	2G	☐	☐	CHM 5 8 9 10 15 17 21 22 23 24 CHC 94 98 102 105 106 107
10-549	1.406	0.3720	4.892	0.0875	44	4G	☐	☐	CHC 53 64 70 72 78 85
10-567	1.620	0.3725	4.774	0.3365	45	2G	☐	☐	CHM 1 2 CHC 42 52 58
10-567+5	1.620	0.3775	4.774	0.3365	45	2G	☐	☐	CHM 1 2 CHC 42 52 58
10-567+15	1.620	0.3875	4.774	0.3365	45	2G	☐	☐	CHM 1 2 CHC 42 52 58
10-567+30	1.620	0.4025	4.774	0.3365	45	2G	☐	☐	CHM 1 2 CHC 42 52 58
10-576	1.500	0.4335	5.690	0.3630	45	2G	☑	☐	CHM 20 CHC 94 105
10-577	1.880	0.3725	5.668	0.2260	45	4G	☐	☐	CHM 20 CHC 94 105
10-577+5	1.880	0.3775	5.668	0.2260	45	4G	☐	☐	CHM 20 CHC 94 105
10-637	2.027	0.3716	5.440	0.3209	45	SG	☐	☐	FOR 105 107 116 123
10-637+3	2.027	0.3746	5.440	0.3209	45	SG	☐	☐	FOR 105 107 116 123
10-637+5	2.027	0.3766	5.440	0.3209	45	SG	☐	☐	FOR 105 107 116 123
10-637+15	2.027	0.3866	5.440	0.3209	45	SG	☐	☐	FOR 105 107 116 123
10-637+30	2.027	0.4016	5.440	0.3209	45	SG	☐	☐	FOR 105 107 116 123
10-696	1.940	0.3414	4.880	0.2591	45	2G	☐	☐	GM 162 170 187
10-696+3	1.940	0.3444	4.880	0.2591	45	SG	☐	☐	GM 162 170 187
10-696+15	1.940	0.3564	4.880	0.2591	45	2G	☐	☐	GM 162 170 187
10-696+30	1.940	0.3714	4.880	0.2591	45	2G	☐	☐	GM 162 170 187
10-742	1.450	0.3420	4.863	0.2398	45	SG	☐	☐	FOR 76 83
10-742+3	1.450	0.3450	4.863	0.2398	45	SG	☐	☐	FOR 76 83
10-742+15	1.450	0.3570	4.863	0.2398	45	SG	☐	☐	FOR 76 83
10-742+30	1.450	0.3720	4.863	0.2398	45	SG	☐	☐	FOR 76 83
10-917	1.505	0.4343	5.373	0.3225	44	2G	☐	☐	FOR 94 108 115 117
10-917+3	1.505	0.4373	5.373	0.3225	44	2G	☐	☐	FOR 94 108 115 117
10-917+15	1.505	0.4493	5.373	0.3225	44	2G	☐	☐	FOR 94 108 115 117
10-917+30	1.505	0.4643	5.373	0.3225	44	2G	☐	☐	FOR 94 108 115 117
10-919	1.600	0.3415	4.904	0.2890	45	2G	☑	☑	GMM 2 GM 149 162 170
10-938	1.780	0.3725	4.979	0.3365	45	2G	☐	☐	CHM 7 12 CHC 67 75 82
10-938+5	1.780	0.3775	4.979	0.3365	45	2G	☐	☐	CHM 7 12 CHC 67 75 82
10-938+15	1.780	0.3875	4.979	0.3365	45	2G	☐	☐	CHM 7 12 CHC 67 75 82
10-938+30	1.780	0.4025	4.979	0.3365	45	2G	☐	☐	CHM 7 12 CHC 67 75 82
10-947	1.781	0.3420	4.863	0.2398	45	SG	☐	☐	FOR 83
10-947+15	1.781	0.3570	4.863	0.2398	45	SG	☐	☐	FOR 83
10-949	1.753	0.3715	5.393	0.3030	44	SG	☐	☐	FOR 83
10-949+15	1.753	0.3865	5.393	0.3030	44	SG	☐	☐	FOR 83
10-958	1.920	0.3411	4.898	0.2200	30	2G	☐	☐	GM 184 196

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-963	1.781	0.3420	4.810	0.2402	45	SG	☐	☐	FOR 67 85
10-963+3	1.781	0.3450	4.810	0.2402	45	SG	☐	☐	FOR 67 85
10-963+15	1.781	0.3570	4.810	0.2402	45	SG	☐	☐	FOR 67 85
10-963+30	1.781	0.3720	4.810	0.2402	45	SG	☐	☐	FOR 67 85
10-965S	1.560	0.3420	4.810	0.2453	44	SG	☐	☐	FOR 67 85
10-965S+15	1.560	0.3570	4.810	0.2453	44	2G	☐	☐	FOR 67 85
10-969	1.875	0.3427	4.740	0.2280	44	SG	☐	☐	GM 163 172
10-970	1.562	0.3422	4.728	0.2280	44	SG	☐	☑	GM 163 172
10-974	1.624	0.3422	4.695	0.2579	44	SG	☑	☑	GM 172 189 198 208
10-975	1.625	0.3410	4.643	0.1195	45	SG	☐	☐	CHC 59 GM 108
10-976	1.375	0.3407	4.643	0.1195	45	SG	☐	☐	CHC 59 GM 108 59 108 145 166
10-988	2.020	0.3415	4.880	0.2591	45	2G	☑	☐	GM 149 162 170
10-996S	1.660	0.3718	5.367	0.2201	46	SG	☑	☑	GM 177 200
10-996S+15	1.660	0.3868	5.367	0.2201	46	SG	☑	☑	GM 177 200
10-997	1.840	0.3720	5.235	0.2201	45	SG	☑	☐	GM 177 200 207
10-997+3	1.840	0.3750	5.235	0.2201	45	SG	☑	☐	GM 177 200 207
10-997+15	1.840	0.3870	5.235	0.2201	45	SG	☑	☐	GM 177 200 207
10-997+30	1.840	0.4050	5.235	0.2201	45	SG	☐	☐	GM 177 200 207
10-1000	1.451	0.3415	4.873	0.3720	45	SG	☐	☐	FOM 2 3 FOR 83 89
10-1000+15	1.451	0.3565	4.873	0.3602	45	SG	☐	☐	FOM 2 3 FOR 83 89
10-1001	1.781	0.3415	4.873	0.3602	45	SG	☐	☐	FOM 2 3 FOR 83 89
10-1001+3	1.781	0.3445	4.873	0.3602	45	SG	☐	☐	FOM 2 3 FOR 83 89
10-1002	2.072	0.3427	4.688	0.2585	30	SG	☐	☐	GM 189 198 208
10-1017S	1.500	0.4335	5.690	0.3630	45	2G	☑	☐	CHC 94 105
10-1017	1.500	0.4335	5.690	0.3630	45	2G	☑	☐	CHC 94 105
10-1047	1.625	0.3720	4.917	0.1850	44	SG	☐	☑	CHC 88 93 99
10-1057	1.753	0.3714	5.393	0.4730	44	SG	☑	☐	FOR 94 108 115 117
10-1057+15	1.753	0.3864	5.393	0.4730	44	SG	☑	☐	FOR 94 108 115 117
10-1057+3	1.753	0.3744	5.393	0.4730	44	SG	☑	☐	FOR 94 108 115 117
10-1057+30	1.753	0.4014	5.393	0.4730	44	SG	☑	☐	FOR 94 108 115 117
10-1057S	1.753	0.3714	5.393	0.4730	44	SG	☑	☐	FOR 94 108 115 117
10-1072	1.640	0.3410	4.877	0.2201	44	2G	☑	☑	GM 184 196
10-1082	1.875	0.3725	5.009	0.1195	45	SG	☑	☐	CHC 90 GM 173
10-1083	1.625	0.3418	5.246	0.2100	44	SG	☑	☑	GM 211 217
10-1084	2.000	0.3420	5.233	0.2098	44	SG	☐	☐	GM 211 217
10-1087	1.940	0.3720	5.230	0.2201	45	SG	☑	☐	GM 177
10-1097	1.770	0.3410	5.093	0.2201	44	2G	☑	☐	GM 171 190 202
10-1098	2.110	0.3415	5.098	0.2200	29	2G	☑	☐	GM 171 190 202
10-1102	1.654	0.3420	5.080	0.4000	44	SG	☑	☑	FOM 5 6 FOR 129 134
10-1102+3	1.654	0.3450	5.080	0.4000	44	SG	☑	☐	FOM 5 6 FOR 129 134
10-1102+15	1.654	0.3570	5.080	0.4000	44	SG	☑	☐	FOM 5 6 FOR 129 134
10-1103	2.083	0.3420	5.288	0.3402	45	SG	☑	☐	FOM 5 6 FOR 129 134
10-1103+3	2.083	0.3450	5.288	0.3402	45	SG	☑	☐	FOM 5 6 FOR 129 134
10-1105	2.000	0.3725	5.138	0.1195	45	SG	☑	☐	GM 188 204 209
10-1106	1.720	0.3715	5.355	0.2201	45	SG	☑	☑	GM 186 199 206
10-1107	2.065	0.3720	5.230	0.2201	45	SG	☑	☐	GM 186 199 206
10-1107+15	2.065	0.3870	5.230	0.2201	45	SG	☑	☐	GM 186 199 206
10-1107S	2.065	0.3720	5.230	0.2201	45	SG	☑	☐	GM 186 199 206
10-1120	1.780	0.3420	4.810	0.2402	45	SG	☑	☐	FOR 67 85
10-1120+3	1.780	0.3450	4.810	0.2402	45	SG	☑	☐	FOR 67 85
10-1120+15	1.780	0.3570	4.810	0.2402	45	SG	☑	☐	FOR 67 85
10-1120+30	1.780	0.3720	4.810	0.2402	45	SG	☑	☐	FOR 67 85
10-1131	1.875	0.3718	5.355	0.2201	45	SG	☑	☑	GM 186 199 206
10-1135	1.451	0.3414	5.070	0.4811	45	SG	☑	☑	FOM 3 FOR 72 89 102
10-1135+3	1.451	0.3444	5.070	0.4811	45	SG	☑	☑	FOM 3 FOR 72 89 102
10-1135+15	1.451	0.3564	5.070	0.4811	45	SG	☑	☑	FOM 3 FOR 72 89 102
10-1135+30	1.451	0.3714	5.070	0.4811	45	SG	☑	☑	FOM 3 FOR 72 89 102
10-1137	1.781	0.3420	5.050	0.4610	45	SG	☑	☐	FOM 3 FOR 89
10-1137+3	1.781	0.3450	5.050	0.4610	45	SG	☑	☐	FOM 3 FOR 89
10-1137+15	1.781	0.3570	5.050	0.4610	45	SG	☑	☐	FOM 3 FOR 89

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1137+30	1.781	0.3720	5.050	0.4610	45	SG	☑	☐	FOM 3 FOR 89
10-1153	1.660	0.3715	5.368	0.2200	46	SG	☑	☐	GM 200
10-1153+15	1.660	0.3730	5.368	0.2200	46	SG	☐	☐	GM 200
10-1156	1.740	0.3722	4.885	0.2235	45	4G	☑	☑	CHC 94 98 102 107
10-1160	1.770	0.3410	4.975	0.2200	44	2G	☑	☑	GM 171 190 210
10-1161	2.110	0.3415	4.979	0.2200	29	2G	☑	☐	GM 171 190 210
10-1164	2.190	0.3720	5.225	0.2201	45	SG	☑	☐	GMM 11 12 GM 186 199 206 216
10-1169	1.655	0.342	5.050	0.1961	45	4G	☐	☐	FOR 103 104 118
10-1169+15	1.655	0.357	5.050	0.196	45	4G	☐	☑	FOR 103 104 118
10-1170	2.041	0.3419	5.231	0.2118	45	4G	☐	☐	FOR 103 104 118
10-1170+3	2.041	0.3449	5.231	0.2118	45	4G	☐	☐	FOR 103 104 118
10-1170+15	2.041	0.3569	5.231	0.2118	45	4G	☐	☐	FOR 103 104 118
10-1170+30	2.041	0.3719	5.231	0.2118	45	4G	☐	☐	FOR 103 104 118
10-1171	1.709	0.3415	5.050	0.1960	44	4G	☑	☑	FOR 103
10-1172	2.190	0.3420	5.231	0.2120	44	4G	☑	☐	FOR 103
10-1180	1.880	0.3725	4.981	0.3362	45	2G	☐	☐	CHC 82 94
10-1180+3	1.880	0.3755	4.981	0.3362	45	2G	☐	☐	CHC 82 94
10-1180+15	1.880	0.3875	4.981	0.3362	45	2G	☐	☐	CHC 82 94
10-1180+30	1.880	0.4025	4.981	0.3362	45	2G	☐	☐	CHC 82 94
10-1186	1.811	0.3725	4.979	0.3362	45	2G	☐	☐	CHC 82 94 CHM 3 11 18 19
10-1186+15	1.811	0.3875	4.979	0.3362	45	2G	☐	☐	CHC 82 94 CHM 3 11 18 19
10-1188	1.500	0.3725	5.027	0.1197	45	SG	☑	☐	CHC 90 GM 173
10-1189	1.625	0.3385	5.158	0.1200	45	SG	☑	☐	GM 188 207 209
10-1192	1.500	0.3414	4.928	0.2890	45	2G	☑	☑	GM 74 88 102 103 110 112 114 120 128 129 130 139 151 153 162 170 187 GMM 9 10
10-1192+15	1.500	0.3562	4.928	0.2890	45	2G	☑	☑	GMM 9 10 GM 72 86 100 101 108 110 112 118 126 127 128 137 149 151 160 168 185
10-1193	1.720	0.3413	4.917	0.2591	45	2G	☑	☐	GM 74 88 102 112 120 128 129 134 139 142 151 153 162 170 187 GMM 1 2 3 4 5 6 7 8 9 10
10-1194	1.720	0.3420	4.917	0.2591	45	2G	☑	☐	GM 120 142 170
10-1195	1.940	0.3414	4.880	0.2591	45	2G	☑	☐	GM 130 153 170 GMM 2 8 9 10
10-1195+3	1.940	0.3444	4.880	0.2591	45	2G	☑	☐	GM 130 153 170 GMM 2 8 9 10
10-1195+15	1.940	0.3569	4.880	0.2591	45	2G	☑	☐	GM 130 153 170 GMM 2 8 9 10
10-1206S	1.500	0.3413	4.923	0.2890	45	2G	☑	☑	GM 74 88 102 103 112 114 120 128 129 139 142 151 153 162 170 187 GMM 1 2 3 4 5 6 7 8 9 10
10-1210	1.684	0.3423	4.675	0.2580	30	SG	☐	☑	GM 208
10-1235S	1.660	0.3716	5.367	0.2200	46	SG	☑	☐	GM 177 200 206
10-1237	1.541	0.3415	5.070	0.3930	45	SG	☑	☑	FOM 3 4 FOR 102
10-1237+3	1.541	0.3445	5.070	0.3930	45	SG	☑	☑	FOM 3 4 FOR 102
10-1237+15	1.541	0.3565	5.070	0.3930	45	SG	☑	☑	FOM 3 4 FOR 102
10-1237+30	1.541	0.3715	5.070	0.3930	45	SG	☑	☑	FOM 3 4 FOR 102
10-1238	1.846	0.3417	5.079	0.3929	45	SG	☑	☐	FOM 4 FOR 102
10-1238+3	1.846	0.3447	5.079	0.3929	45	SG	☑	☐	FOM 4 FOR 102
10-1238+15	1.846	0.3567	5.079	0.3929	45	SG	☑	☐	FOM 4 FOR 102
10-1238+30	1.846	0.3717	5.079	0.3929	45	SG	☑	☐	FOM 4 FOR 102
10-1242	1.559	0.3715	5.436	0.3209	45	SG	☑	☐	FOR 99 105 107 116 121 123
10-1242+3	1.559	0.3745	5.436	0.3209	45	SG	☑	☐	FOR 99 105 107 116 121 123
10-1242+15	1.559	0.3865	5.436	0.3209	45	SG	☑	☐	FOR 99 105 107 116 121 123
10-1242+30	1.559	0.4015	5.436	0.3209	45	SG	☑	☐	FOR 99 105 107 116 121 123
10-1245	1.660	0.3410	4.959	0.2200	44	2G	☑	☑	GM 171 190
10-1257	1.680	0.3720	4.930	0.2551	44	SG	☐	☑	CHC 93 103
10-1258	2.025	0.3720	4.899	0.1825	29	4G	☐	☐	CHC 93 103
10-1258+15	2.025	0.3870	4.899	0.1825	29	4G	☐	☐	CHC 93 103
10-1260	1.787	0.3720	4.899	0.1825	29	4G	☐	☐	CHC 64 72 81
10-1260+3	1.787	0.3750	4.899	0.1825	29	4G	☐	☐	CHC 64 72 81
10-1260+15	1.787	0.3870	4.899	0.1825	29	4G	☐	☐	CHC 64 72 81
10-1260+30	1.787	0.4020	4.899	0.1825	29	4G	☐	☐	CHC 64 72 81
10-1261S	1.720	0.3716	5.355	0.2201	45	SG	☐	☑	GMM 11 GM 206
10-1263	1.875	0.3428	4.667	0.2579	44	SG	☐	☐	GM 172
10-1265	1.360	0.3715	4.796	0.2235	43	4G	☑	☐	CHM 1 2 CHC 42 52 58
10-1265+5	1.360	0.3765	4.796	0.2235	43	4G	☑	☐	CHM 1 2 CHC 42 52 58

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1265+30	1.360	0.4015	4.796	0.2235	43	4G	☑	☐	CHM 1 2 CHC 42 52 58
10-1266	1.390	0.3101	4.260	0.1902	45	SG	☑	☐	FOR 42 55 71
10-1266+3	1.390	0.3131	4.260	0.1902	45	SG	☑	☐	FOR 42 55 71
10-1266+15	1.390	0.3251	4.260	0.1902	45	SG	☑	☐	FOR 42 55 71
10-1266+30	1.390	0.3401	4.260	0.1902	45	SG	☑	☐	FOR 42 55 71
10-1268	1.651	0.3103	4.260	0.1902	44	SG	☑	☐	FOR 42 55 71
10-1268+3	1.651	0.3133	4.260	0.1902	44	SG	☑	☐	FOR 42 55 71
10-1268+30	1.651	0.3403	4.260	0.1902	44	SG	☑	☐	FOR 42 55 71
10-1271	1.654	0.3419	4.983	0.4000	45	SG	☑	☑	FOM 1 5 6 FOR 129 134
10-1271+3	1.654	0.3449	4.983	0.4000	45	SG	☑	☑	FOM 1 5 6 FOR 129 134
10-1272	2.083	0.3419	5.198	0.3398	45	SG	☑	☐	FOM 1 5 6 FOR 129 134
10-1272+3	2.083	0.3449	5.198	0.3398	45	SG	☑	☐	FOM 1 5 6 FOR 129 134
10-1272+15	2.083	0.3569	5.198	0.3398	45	SG	☑	☐	FOM 1 5 6 FOR 129 134
10-1285	1.570	0.3165	4.158	0.2008	44	SG	☑	☐	FOR 39 43 44
10-1285+3	1.570	0.3195	4.158	0.2008	44	SG	☑	☐	FOR 39 43 44
10-1293	2.000	0.3416	4.985	0.2220	44	SG	☐	☐	GM 197 211 217
10-1294S	1.500	0.3718	4.923	0.2890	45	2G	☑	☑	GMM 7 10 GM 130 151 170 187
10-1294	1.500	0.3718	4.923	0.2890	45	2G	☑	☑	GM 130 151 170 187 GMM 7
10-1294+3	1.500	0.3748	4.923	0.2890	45	2G	☑	☑	GM 130 151 170 187 GMM 7
10-1294+15	1.500	0.3868	4.923	0.2890	45	2G	☑	☑	GM 130 151 170 187 GMM 7
10-1294+30	1.500	0.4018	4.925	0.2890	45	2G	☑	☑	GM 130 151 170 187 GMM 7
10-1296	1.960	0.3415	4.980	0.2200	44	2G	☑	☐	GM 171 190 210
10-1300	1.269	0.3153	4.162	0.1799	44	3G	☑	☐	FOR 39 43 44
10-1300+3	1.269	0.3183	4.162	0.1799	44	3G	☑	☐	FOR 39 43 44
10-1307	1.600	0.3715	5.006	0.2236	43	4G	☑	☐	CHC 87 94
10-1307+5	1.600	0.3765	5.006	0.2236	43	4G	☑	☐	CHC 87 94
10-1307+15	1.600	0.3865	5.006	0.2236	43	4G	☑	☐	CHC 87 94
10-1307+30	1.600	0.4015	5.006	0.2236	43	4G	☑	☐	CHC 87 94
10-1309	1.600	0.3715	5.006	0.4085	43	2G	☐	☐	CHC 94
10-1312S	1.517	0.3715	4.996	0.4079	45	2G	☑	☐	CHC 82 94 CHM 3 11 18 19
10-1320	1.550	0.3726	5.016	0.1185	45	SG	☑	☐	GM 173
10-1322	1.300	0.3423	4.680	0.2579	30	SG	☑	☐	GM 126
10-1323	1.522	0.3428	4.667	0.2579	44	SG	☐	☐	GM 126
10-1324	1.622	0.3423	4.675	0.2579	30	SG	☑	☐	GM 172 208
10-1325	1.406	0.3721	4.892	0.1825	44	4G	☑	☑	CHC 64 72 81
10-1325+3	1.406	0.3751	4.892	0.1825	44	4G	☑	☑	CHC 64 72 81
10-1325+15	1.406	0.3871	4.892	0.1825	44	4G	☑	☑	CHC 64 72 81
10-1325+30	1.406	0.4021	4.892	0.1825	44	4G	☑	☑	CHC 64 72 81
10-1326	1.680	0.3714	4.910	0.1823	44	4G	☑	☑	CHC 93 103
10-1326+15	1.680	0.3864	4.910	0.1823	44	4G	☑	☑	CHC 93 103
10-1327	1.460	0.3414	5.070	0.3929	44	SG	☑	☑	FOM 3 4 FOR 102
10-1327+15	1.460	0.3564	5.070	0.3929	44	SG	☑	☑	FOM 3 4 FOR 102
10-1328	1.782	0.3419	5.070	0.3929	45	SG	☑	☑	FOM 3 4 FOR 89 102
10-1328+3	1.782	0.3449	5.070	0.3929	45	SG	☑	☐	FOM 3 4 FOR 89 102
10-1328+15	1.782	0.3569	5.070	0.3929	45	SG	☑	☐	FOM 3 4 FOR 89 102
10-1328+30	1.782	0.3719	5.070	0.3929	45	SG	☑	☐	FOM 3 4 FOR 89 102
10-1329	1.500	0.3715	5.003	0.2235	43	4G	☑	☐	CHM 7 12 CHC 75 82
10-1329+5	1.500	0.3769	5.003	0.2235	43	4G	☑	☐	CHM 7 12 CHC 75 82
10-1329+15	1.500	0.3865	5.003	0.2235	43	4G	☑	☐	CHM 7 12 CHC 75 82
10-1329+30	1.500	0.4019	5.003	0.2235	43	4G	☑	☐	CHM 7 12 CHC 75 82
10-1332	1.508	0.3704	5.373	0.3030	44	SG	☑	☐	FOR 93
10-1332+3	1.508	0.3734	5.373	0.3030	44	SG	☑	☐	FOR 93
10-1332+15	1.508	0.3854	5.373	0.3030	44	SG	☑	☐	FOR 93
10-1349S	1.753	0.3714	5.393	0.3030	44	SG	☑	☐	FOR 108 115 117
10-1352	1.425	0.3408	4.698	0.2717	45	SG	☑	☐	GM 91 113
10-1354	1.502	0.3423	4.688	0.2579	30	SG	☑	☐	GM 154 172 194
10-1357	1.751	0.3103	4.260	0.1902	45	SG	☑	☐	FOR 55 71
10-1357+3	1.751	0.3133	4.260	0.1902	45	SG	☑	☐	FOR 55 71
10-1357+15	1.751	0.3253	4.260	0.1902	45	SG	☑	☐	FOR 55 71
10-1357+30	1.751	0.3403	4.260	0.1902	45	SG	☑	☐	FOR 55 71

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1358	1.560	0.3419	4.810	0.2449	45	SG	☑	☑	FOR 67 85
10-1358+3	1.560	0.3449	4.810	0.2449	45	SG	☑	☑	FOR 67 85
10-1358+15	1.560	0.3569	4.810	0.2449	45	SG	☑	☑	FOR 67 85
10-1358+30	1.560	0.3719	4.810	0.2449	45	SG	☑	☑	FOR 67 85
10-1367	1.655	0.3414	5.050	0.2862	45	SG	☑	☑	FOR 104 118
10-1371	1.380	0.3413	4.920	0.2890	45	2G	☑	☑	GM 92 134
10-1371+30	1.380	0.3713	4.920	0.2890	45	2G	☐	☐	GM 92 134
10-1372	1.600	0.3413	4.880	0.2591	45	2G	☑	☐	GM 92
10-1372+15	1.600	0.3563	4.880	0.2591	45	2G	☑	☐	GM 92
10-1380	2.041	0.3419	5.231	0.2618	45	SG	☑	☐	FOR 104 118
10-1380+3	2.041	0.3449	5.231	0.2618	45	SG	☑	☐	FOR 104 118
10-1380+15	2.041	0.3569	5.231	0.2618	45	SG	☑	☐	FOR 104 118
10-1381	1.562	0.3704	4.954	0.4055	45	SG	☑	☑	FOR 111
10-1381+3	1.562	0.3734	4.954	0.3992	45	SG	☑	☑	FOR 111
10-1381+15	1.562	0.3854	4.954	0.3992	45	SG	☑	☑	FOR 111
10-1382	1.784	0.3714	5.147	0.2920	45	SG	☑	☐	FOR 111
10-1382+3	1.784	0.3744	5.147	0.2920	44	SG	☑	☐	FOR 111
10-1382+15	1.784	0.3864	5.147	0.2920	44	SG	☑	☐	FOR 111
10-1384S	1.784	0.3714	5.147	0.2921	44	SG	☑	☐	FOR 111
10-1387	1.500	0.3408	4.718	0.2717	45	SG	☐	☐	GM 81 91 113 121
10-1387+3	1.500	0.3438	4.718	0.2717	45	SG	☐	☐	GM 81 91 113 121
10-1387+15	1.500	0.3558	4.718	0.2717	45	SG	☑	☐	GM 81 91 113 121
10-1388	1.710	0.3407	4.713	0.2717	45	SG	☑	☐	GM 81 91 113 121
10-1388+3	1.710	0.3437	4.713	0.2717	45	SG	☑	☐	GM 81 91 113 121
10-1388+15	1.710	0.3557	4.713	0.2717	45	SG	☑	☐	GM 81 91 113 121
10-1388+30	1.710	0.3707	4.713	0.2717	45	SG	☐	☐	GM 81 91 113 121
10-1389	1.500	0.3408	4.718	0.2717	45	SG	☑	☐	GM 81 113
10-1389+3	1.500	0.3438	4.718	0.2717	45	SG	☑	☐	GM 81 113
10-1389+15	1.500	0.3558	4.718	0.2717	45	SG	☑	☐	GM 81 113
10-1389+30	1.500	0.3708	4.718	0.2717	45	SG	☐	☐	GM 81 113
10-1393	1.840	0.3413	4.912	0.2591	45	2G	☑	☐	GMM 7 GM 110 151
10-1393+3	1.840	0.3443	4.912	0.2591	45	2G	☑	☐	GMM 7 GM 110 151
10-1393+15	1.840	0.3563	4.912	0.2591	45	2G	☑	☐	GMM 7 GM 110 151
10-1393+30	1.840	0.3713	4.912	0.2591	45	2G	☑	☐	GMM 7 GM 110 151
10-1394	1.307	0.3413	4.730	0.2890	45	2G	☑	☑	CHC 43 GM 79
10-1394+3	1.307	0.3443	4.730	0.2890	45	2G	☑	☑	CHC 43 GM 79
10-1394+15	1.307	0.3563	4.730	0.2890	45	2G	☑	☑	CHC 43 GM 79
10-1394+30	1.307	0.3713	4.730	0.2890	45	2G	☐	☐	CHC 43 GM 79
10-1395	1.600	0.3413	4.700	0.2591	45	2G	☑	☐	CHC 43 GM 79
10-1395+3	1.600	0.3443	4.700	0.2591	45	2G	☑	☐	CHC 43 GM 79
10-1395+15	1.600	0.3563	4.700	0.2591	45	2G	☑	☐	CHC 43 GM 79
10-1395+30	1.600	0.3713	4.700	0.2591	45	2G	☐	☐	CHC 43 GM 79
10-1399	1.500	0.3715	4.983	0.2232	45	4G	☑	☐	CHC 82
10-1399+15	1.500	0.3865	4.983	0.2232	45	4G	☑	☐	CHC 82
10-1416	1.682	0.3419	5.070	0.3929	45	SG	☑	☐	FOR 72
10-1416+15	1.682	0.3569	5.070	0.3929	45	SG	☑	☐	FOR 72
10-1417	1.617	0.3716	4.995	0.4085	45	2G	☑	☐	CHC 82 94
10-1417+5	1.617	0.3766	4.995	0.4085	45	2G	☐	☐	CHC 82 94
10-1417+15	1.617	0.3866	4.995	0.4085	45	2G	☑	☐	CHC 82 94
10-1419	1.517	0.3716	4.995	0.4085	45	2G	☑	☐	CHC 67 82
10-1434	1.750	0.3416	4.975	0.2220	44	SG	☐	☐	GM 178
10-1437	1.500	0.3415	4.620	0.2890	45	2G	☑	☑	CHC 35 GM 73
10-1437+15	1.500	0.3565	4.620	0.2890	45	2G	☑	☑	CHC 35 GM 73
10-1437+30	1.500	0.3715	4.620	0.2890	45	2G	☐	☐	CHC 35 GM 73
10-1438	1.720	0.3421	4.665	0.3417	45	2G	☑	☐	CHC 35 GM 73
10-1438+15	1.720	0.3571	4.665	0.3417	45	2G	☑	☐	CHC 35 GM 73
10-1438+30	1.720	0.3721	4.665	0.3417	45	2G	☐	☐	CHC 35 GM 73
10-1441	1.406	0.3720	4.892	0.2453	44	SG	☑	☑	CHC 53 64 72 79 81
10-1442	1.787	0.3720	4.899	0.2453	29	SG	☐	☐	CHC 53 64 72 79 81
10-1448	1.394	0.3116	4.442	0.2583	45	4G	☑	☐	CHC 26

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1449	1.598	0.3127	4.419	0.3545	45	SG	☑	☐	CHC 26
10-1449+15	1.598	0.3677	4.419	0.3545	45	SG	☑	☐	CHC 26
10-1450	1.750	0.3428	4.667	0.2579	44	SG	☐	☐	GM 154
10-1450+15	1.750	0.3578	4.667	0.2579	44	SG	☐	☐	GM 154
10-1451	1.457	0.3152	5.189	0.3248	45	3G	☑	☐	FOR 8 16
10-1452	1.654	0.3163	5.306	0.3598	45	3G	☑	☐	FOR 8 16
10-1457	1.995	0.3427	4.707	0.2580	44	SG	☐	☐	GM 172 189 194 198 208
10-1463	1.299	0.3414	4.729	0.2181	44	SG	☑	☐	GM 122
10-1464	1.535	0.3416	4.823	0.3240	44	SG	☐	☐	GM 122
10-1465	1.378	0.3133	4.730	0.2878	45	SG	☑	☑	GM 42 47
10-1465+3	1.378	0.3163	4.730	0.2878	45	SG	☑	☑	GM 42 47
10-1466	1.600	0.3136	4.700	0.2579	45	SG	☑	☐	GM 42 47
10-1466+3	1.600	0.3166	4.700	0.2579	45	SG	☐	☐	GM 42 47
10-1469	1.460	0.3414	4.845	0.1780	44	4G	☑	☐	FOR 64
10-1469+3	1.460	0.3434	4.845	0.1780	44	4G	☑	☐	FOR 64
10-1469+15	1.460	0.3564	4.845	0.1780	44	4G	☑	☐	FOR 64
10-1470	1.782	0.3419	4.840	0.1833	44	4G	☑	☐	FOR 64
10-1470+15	1.782	0.3569	4.840	0.1833	44	4G	☑	☐	FOR 64
10-1478	1.500	0.3115	4.939	0.2457	44	SG	☑	☑	CHC 34
10-1478+3	1.500	0.3145	4.939	0.2457	44	SG	☑	☑	CHC 34
10-1478+15	1.500	0.3265	4.939	0.2457	44	SG	☑	☑	CHC 34
10-1479	1.910	0.3115	4.912	0.2457	44	SG	☐	☐	CHC 34
10-1479+3	1.910	0.3145	4.912	0.2457	44	SG	☐	☐	CHC 34
10-1480	1.425	0.3413	4.736	0.2890	45	2G	☑	☑	GM 79 86 95 ISU 21 93
10-1480+3	1.425	0.3443	4.736	0.2890	45	2G	☑	☑	GM 79 86 95 ISU 21 93
10-1480+15	1.425	0.3563	4.736	0.2890	45	2G	☑	☑	GM 79 86 95 ISU 21 93
10-1481	1.718	0.3412	4.705	0.2591	45	2G	☑	☐	GM 79 86 95 ISU 21 93
10-1481+3	1.718	0.3442	4.705	0.2591	45	2G	☑	☐	GM 77 84 93 ISU 18 21
10-1481+15	1.718	0.3563	4.705	0.2591	45	2G	☑	☐	GM 79 86 95 ISU 21 93
10-1482S	1.496	0.3718	5.108	0.2760	45	2G	☑	☐	GM 183
10-1483S	1.653	0.3719	5.108	0.2750	45	2G	☑	☐	GM 183
10-1484	1.811	0.3413	5.108	0.2752	45	2G	☑	☐	GM 183 185
10-1485S	1.378	0.3136	4.193	0.1610	44	SG	☑	☐	GM 43
10-1486	1.614	0.3143	4.193	0.1610	44	SG	☑	☐	GM 43
10-1486+3	1.614	0.3173	4.193	0.1610	44	SG	☑	☐	GM 43
10-1486+15	1.614	0.3293	4.193	0.1610	44	SG	☑	☐	GM 43
10-1504	1.560	0.3420	4.750	0.298	44	SG	☑	☐	FOR 85
10-1504+3	1.560	0.3450	4.750	0.2898	44	SG	☑	☐	FOR 85
10-1504+15	1.560	0.3570	4.750	0.2898	44	SG	☑	☐	FOR 85
10-1504S	1.560	0.3420	4.750	0.2898	44	SG	☑	☑	FOR 86
10-1505	1.781	0.3420	4.750	0.2400	44	SG	☑	☐	FOR 85
10-1505+3	1.781	0.3450	4.750	0.2400	44	SG	☑	☐	FOR 85
10-1505+15	1.781	0.3570	4.750	0.2400	44	SG	☑	☐	FOR 85
10-1505+30	1.781	0.372	4.750	0.2400	44	SG	☑	☐	FOR 85
10-1518	1.968	0.3413	5.104	0.2760	45	2G	☑	☐	GM 183
10-1527	1.380	0.3414	4.807	0.3779	44	4G	☑	☑	FOR 25
10-1527+3	1.380	0.3444	4.807	0.3779	44	4G	☑	☑	FOR 25
10-1527+15	1.380	0.3564	4.807	0.3779	44	4G	☑	☑	FOR 25
10-1528	1.610	0.3419	4.787	0.3779	44	4G	☑	☐	FOR 25
10-1528+3	1.610	0.3449	4.787	0.3779	44	4G	☑	☐	FOR 25
10-1528+15	1.610	0.3569	4.787	0.3779	44	4G	☑	☐	FOR 25
10-1535	1.371	0.3125	4.615	0.2803	44	3G	☑	☑	FOR 50 MAZ 35
10-1536	1.661	0.3130	4.615	0.2217	44	3G	☑	☐	FOR 50 MAZ 35
10-1536+3	1.661	0.3130	4.615	0.2217	44	3G	☑	☐	FOR 50 MAZ 35
10-1537	1.451	0.3414	4.942	0.4811	44	SG	☑	☑	FOR 89
10-1537+3	1.451	0.3444	4.942	0.4811	44	SG	☑	☑	FOR 89
10-1537+15	1.451	0.3564	4.942	0.4811	44	SG	☑	☑	FOR 89
10-1538	1.782	0.3420	4.942	0.3929	44	SG	☑	☐	FOR 89
10-1538+3	1.782	0.3450	4.942	0.3929	44	SG	☑	☐	FOR 89
10-1538+15	1.782	0.3570	4.942	0.3929	44	SG	☑	☐	FOR 89

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1542	1.595	0.3720	5.677	0.2469	37	SG	☑	☑	FOR 127 133
10-1543	1.877	0.3719	5.687	0.2740	30	SG	☑	☑	FOR 127 133
10-1545	1.339	0.3152	5.272	0.3250	45	3G	☑	☐	FOR 16
10-1546	1.535	0.3163	5.383	0.3600	45	3G	☑	☐	FOR 16
10-1547	1.654	0.3421	4.984	0.4000	45	SG	☑	☐	FOR 134
10-1547+3	1.654	0.3451	4.983	0.4000	45	SG	☑	☐	FOR 134
10-1547+15	1.654	0.3569	4.983	0.4000	44	SG	☑	☐	FOR 134
10-1548	1.976	0.3419	5.197	0.3398	45	SG	☑	☐	FOR 130 134
10-1548S	1.976	0.3419	5.197	0.3398	45	SG	☑	☑	FOR 130 134
10-1548S+3	1.976	0.3449	5.197	0.3398	45	SG	☑	☑	FOR 130 134
10-1550	1.500	0.3132	4.355	0.1870	45	SG	☑	☑	GM 73
10-1551	1.720	0.3135	4.394	0.2421	45	SG	☑	☐	GM 73
10-1552	1.394	0.3117	4.522	0.2579	45	4G	☑	☐	CHC 26 37
10-1553	1.599	0.3122	4.499	0.3543	45	SG	☑	☐	CHC 26 37
10-1554	1.394	0.3117	4.523	0.2579	45	4G	☑	☐	CHC 26 38
10-1555	1.598	0.3128	4.499	0.3543	45	SG	☑	☐	CHC 26 38
10-1556	1.500	0.3115	4.940	0.1559	44	SG	☑	☐	CHC 34 69
10-1556+3	1.500	0.3145	4.940	0.1559	44	SG	☑	☐	CHC 34 69
10-1556+15	1.500	0.3265	4.940	0.1559	44	SG	☑	☐	CHC 34 69
10-1556+30	1.500	0.3415	4.940	0.1559	44	SG	☑	☐	CHC 34 69
10-1557	1.910	0.3115	4.912	0.1559	44	SG	☐	☐	CHC 34 69
10-1557+3	1.910	0.3145	4.912	0.1559	44	SG	☐	☐	CHC 34 69
10-1557+15	1.910	0.3265	4.912	0.1559	44	SG	☐	☐	CHC 34 69
10-1557+30	1.910	0.3415	4.912	0.1559	44	SG	☐	☐	CHC 34 69
10-1558	1.299	0.3405	4.729	0.1311	44	SG	☑	☐	GM 122 137
10-1559	1.535	0.3417	4.823	0.2370	44	SG	☑	☐	GM 122 137
10-1560	1.425	0.3136	4.736	0.2138	45	SG	☑	☑	GM 79 86
10-1560+3	1.425	0.3166	4.736	0.2138	45	SG	☑	☑	GM 79 86
10-1560+15	1.425	0.3286	4.736	0.2138	45	SG	☑	☑	GM 79 86
10-1561	1.718	0.3140	4.706	0.2138	45	SG	☑	☐	GM 79 86
10-1561+3	1.718	0.3170	4.706	0.2138	45	SG	☑	☐	GM 79 86
10-1568	1.457	0.3132	5.165	0.2799	45	SG	☑	☑	GM 48 57
10-1568+3	1.457	0.3162	5.165	0.2799	45	SG	☑	☑	GM 48 57
10-1568+15	1.457	0.3282	5.165	0.2799	45	SG	☑	☑	GM 48 57
10-1569	1.693	0.3136	5.456	0.2580	45	SG	☑	☐	GM 48 57
10-1569+15	1.693	0.3286	5.456	0.2580	45	SG	☑	☐	GM 48 57
10-1578S	1.720	0.3716	5.355	0.2200	45	SG	☑	☐	GMM 11 GM 206
10-1578SP	1.720	0.3716	5.355	0.220	45	SG	☑	☐	GMM 11 GM 206
10-1591	1.500	0.3133	4.541	0.1870	45	SG	☑	☑	GM 73
10-1591+3	1.500	0.3163	4.541	0.1870	45	SG	☑	☑	GM 73
10-1591+15	1.500	0.3283	4.541	0.1870	45	SG	☑	☑	GM 73
10-1592	1.720	0.3135	4.591	0.2421	45	SG	☑	☐	GM 73
10-1592+15	1.720	0.3285	4.591	0.2421	45	SG	☑	☐	GM 73
10-1593	1.496	0.3405	4.713	0.1310	44	SG	☑	☐	GM 137 146
10-1594	1.772	0.3417	4.799	0.2370	44	SG	☑	☐	GM 137 146
10-1597	1.500	0.3414	4.787	0.3779	45	4G	☑	☑	FOR 30 38 MAZ 24
10-1597+3	1.500	0.3444	4.787	0.3779	45	4G	☑	☐	FOR 30 38 MAZ 24
10-1597+15	1.500	0.3564	4.787	0.3779	45	4G	☑	☑	FOR 30 38 MAZ 24
10-1598	1.735	0.3419	4.787	0.3779	45	4G	☑	☐	FOR 30 38 MAZ 24
10-1598+3	1.735	0.3449	4.787	0.3779	45	4G	☑	☐	FOR 30 38 MAZ 24
10-1598+15	1.735	0.3569	4.787	0.3779	45	4G	☑	☐	FOR 30 38 MAZ 24
10-1646S	1.500	0.3719	4.923	0.2890	46	2G	☑	☐	GM 74 142 151 170 187 GMM 1 7 10
10-1664	1.654	0.3138	5.081	0.2362	45	SG	☑	☑	CHC 91 GM 117
10-1665	1.772	0.3138	5.084	0.2360	30	SG	☑	☑	CHC 91 GM 117
10-1670	1.476	0.3116	4.974	0.2670	45	4G	☑	☐	CHC 54 65
10-1671	1.791	0.3127	4.949	0.2620	45	2G	☑	☐	CHC 54 65
10-1674	1.182	0.2743	4.311	0.1759	44	SG	☑	☐	GM 63
10-1694	1.842	0.3718	5.742	0.2449	30	SG	☑	☐	FOR 120
10-1698	1.339	0.2737	4.622	0.4980	45	3G	☑	☐	FOR 80 95
10-1698+15	1.339	0.2887	4.622	0.4980	45	3G	☑	☐	FOR 80 95

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1698S	1.339	0.2737	4.622	0.4980	45	3G	☑	☐	FOR 80 95 125
10-1699	1.752	0.2750	4.622	0.4988	45	3G	☑	☐	FOR 80 95 125
10-1699+15	1.752	0.2900	4.622	0.4988	45	3G	☑	☐	FOR 80 95 125
10-1699S	1.752	0.2750	4.622	0.4990	45	3G	☑	☐	FOR 80 95 125
10-1702	1.260	0.2739	4.100	0.1591	45	SG	☑	☐	GM 94
10-1703	1.437	0.2742	4.091	0.1697	45	SG	☑	☐	GM 94
10-1704	1.457	0.3132	5.165	0.2098	45	SG	☑	☑	GM 57
10-1705	1.732	0.3136	5.457	0.1889	45	SG	☑	☐	GM 57
10-1706	1.142	0.2335	3.568	0.1460	45	SG	☑	☐	GM 118 138
10-1707	1.308	0.2335	4.169	0.1860	45	SG	☐	☐	GM 138
10-1708	1.181	0.2740	4.578	0.4560	44	3G	☑	☐	FOR 82 97
10-1709	1.456	0.2750	5.337	0.6530	44	3G	☑	☐	FOR 82 97
10-1710	1.490	0.3408	4.727	0.2980	45	SG	☑	☑	GM 91 113
10-1710+15	1.490	0.3558	4.727	0.2980	45	SG	☑	☑	GM 91 113
10-1711	1.710	0.3407	4.726	0.2972	45	SG	☑	☐	GM 91 113
10-1712	1.378	0.2733	4.516	0.1770	45	3G	☑	☐	CHC 55
10-1712+15	1.378	0.2883	4.516	0.1770	45	3G	☑	☐	CHC 55
10-1713	1.142	0.2722	4.959	0.2689	45	3G	☑	☐	CHC 50 55 68 VOK 55
10-1714	1.920	0.3115	4.906	0.1559	44	SG	☐	☐	CHC 67 83 95
10-1714+3	1.920	0.3145	4.906	0.1559	44	SG	☐	☐	CHC 67 83 95
10-1714+15	1.920	0.3265	4.906	0.1559	44	SG	☐	☐	CHC 67 83 95
10-1715	1.624	0.3115	4.920	0.1559	45	SG	☑	☐	CHC 67 83 95
10-1715+3	1.624	0.3145	4.920	0.1559	44	SG	☑	☐	CHC 67 83 95
10-1715+15	1.624	0.3265	4.920	0.1559	44	SG	☑	☐	CHC 67 83 95
10-1723	2.083	0.3419	5.175	0.3400	44	SG	☑	☐	FOR 134
10-1726	1.437	0.2748	4.325	0.1756	44	SG	☑	☐	GM 63 64 65
10-1727	1.238	0.2745	4.309	0.1776	44	SG	☑	☐	GM 63 64 65
10-1728	1.260	0.2356	4.520	0.3570	45	3G	☑	☐	FOR 40 MAZ 29
10-1729	1.023	0.2346	4.545	0.3540	45	3G	☑	☐	FOR 40 MAZ 29
10-1730	1.370	0.2340	4.399	0.4704	45	SG	☑	☐	CHC 17 33 MIT 9
10-1731	1.201	0.2328	4.324	0.4744	45	SG	☑	☑	CHC 17 33 MIT 9
10-1735	1.520	0.3132	4.713	0.2004	45	SG	☑	☑	GM 113
10-1736	1.732	0.2742	5.465	0.2040	45	SG	☑	☐	GM 57 ISU 9
10-1736+3	1.732	0.2742	5.465	0.2040	45	SG	☑	☐	GM 57 ISU 9
10-1736+15	1.732	0.2892	5.465	0.2040	45	SG	☑	☐	GM 57 ISU 9
10-1737	1.457	0.2738	5.142	0.2220	45	SG	☑	☑	GM 57 ISU 9
10-1737+3	1.457	0.2738	5.142	0.2220	45	SG	☑	☑	GM 57 ISU 9
10-1737+15	1.457	0.2888	5.142	0.2220	45	SG	☑	☑	GM 57 ISU 9
10-1739	1.229	0.2335	4.188	0.1860	45	SG	☐	☐	GM 118
10-1741	1.309	0.2340	4.525	0.3060	45	SG	☑	☐	CHC 16
10-1742	1.130	0.2328	4.614	0.2460	45	SG	☑	☑	CHC 16
10-1743	1.735	0.2750	4.787	0.3410	45	3G	☑	☐	FOR 30 36 MAZ 24 28
10-1744	1.500	0.2740	4.807	0.3410	45	3G	☑	☑	FOR 30 36 MAZ 24 28
10-1744+3	1.500	0.2770	4.807	0.3410	45	3G	☑	☑	FOR 30 36 MAZ 24 28
10-1744+15	1.500	0.2890	4.807	0.3410	45	3G	☑	☑	FOR 30 36 MAZ 24 28
10-1745	1.260	0.2376	3.823	0.2390	45	SG	☑	☐	FOR 21 MAZ 16
10-1746	1.102	0.2369	3.807	0.2382	45	SG	☑	☐	FOR 21 MAZ 16
10-1754	1.595	0.3719	5.670	0.2470	38	SG	☑	☐	FOR 133
10-1757	1.870	0.3715	6.160	0.2831	30	SG	☑	☐	FOR 120 136
10-1758	1.693	0.3704	6.160	0.2831	44	SG	☑	☑	FOR 120 136
10-1780S	1.535	0.3718	5.112	0.2759	45	2G	☑	☐	GM 183 185
10-1781	1.920	0.3115	5.728	0.2555	46	SG	☐	☐	CHC 110
10-1785	1.680	0.3122	5.805	0.3409	30	SG	☑	☐	FOR 133
10-1786	1.680	0.3122	5.799	0.2909	37	SG	☑	☑	FOR 133
10-1787	1.378	0.2356	4.510	0.3571	45	3G	☑	☐	FOR 48 MAZ 34
10-1788	1.181	0.2346	4.546	0.3543	45	3G	☑	☐	FOR 48 MAZ 34
10-1789	1.861	0.2750	4.840	0.1224	45	3G	☑	☐	FOR 64 73
10-1790	1.782	0.2750	4.840	0.1224	45	3G	☑	☐	FOR 64
10-1791	1.461	0.2740	4.845	0.1169	45	3G	☑	☐	FOR 64 73
10-1792	1.781	0.3420	4.750	0.2898	44	SG	☑	☐	FOR 86

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-1802	1.332	0.2740	5.730	0.3626	45	SG	☑	☐	CHC 27
10-1806	1.840	0.3412	4.881	0.2560	45	SG	☐	☐	GM 133 151
10-1807	1.500	0.3413	4.920	0.2890	45	SG	☑	☑	GM 130 133 151 170 ISU 29
10-1807S	1.500	0.3413	4.920	0.2890	45	SG	☑	☑	GM 130 133 151 170 GMM 10
10-1810	1.718	0.3139	4.713	0.1839	45	SG	☑	☐	GM 87 95
10-1810+15	1.718	0.3289	4.713	0.1839	45	SG	☑	☐	GM 87 95
10-1811	1.425	0.3132	4.736	0.1890	45	SG	☑	☑	GM 87 95
10-1811+3	1.425	0.3162	4.736	0.1890	45	SG	☐	☐	GM 87 95
10-1811+15	1.425	0.3282	4.736	0.1890	45	SG	☐	☐	GM 87 95
10-1858	1.800	0.3134	4.721	0.1988	45	SG	☑	☐	GM 113
10-1862	1.654	0.3137	5.081	0.2440	20	SG	☑	☐	GM 117
10-1870	1.791	0.3128	4.949	0.0960	45	2G	☑	☑	CHC 54
10-1901	1.437	0.2734	4.516	0.1766	45	3G	☑	☐	CHC 50 55 68 VOK 55
10-1902	1.732	0.2746	5.285	0.2070	45	SG	☑	☐	GM 57 ISU 9
10-1902+3	1.732	0.2776	5.285	0.2070	45	SG	☑	☐	GM 57 ISU 9
10-1902+15	1.732	0.2896	5.285	0.2070	45	SG	☑	☐	GM 57 ISU 9
10-1903	1.457	0.2738	5.000	0.2234	45	SG	☑	☑	GM 57 ISU 9
10-1903+3	1.457	0.2768	5.000	0.2234	45	SG	☑	☑	GM 57 ISU 9
10-1903+15	1.457	0.2888	5.000	0.2234	45	SG	☑	☑	GM 57 ISU 9
10-1904	1.791	0.3128	5.021	0.2616	45	2G	☑	☐	CHC 54 65
10-1905	1.476	0.3116	5.045	0.2656	45	4G	☑	☐	CHC 54 65
10-1913	1.811	0.2745	4.524	0.4170	45	3G	☑	☐	FOR 70 MAZ 39
10-1914	1.535	0.2739	4.524	0.5740	45	3G	☑	☐	FOR 70 MAZ 39
10-1916	1.910	0.3110	4.911	0.1335	46	3G	☐	☐	CHC 34 69
10-1916+3	1.910	0.3140	4.911	0.1335	46	3G	☐	☐	CHC 34 69
10-1916+15	1.910	0.3260	4.911	0.1335	46	3G	☐	☐	CHC 34 69
10-1917	1.500	0.3108	4.939	0.1331	46	3G	☑	☐	CHC 34 69
10-1917+3	1.500	0.3138	4.939	0.1331	46	3G	☑	☐	CHC 34 69
10-1917+15	1.500	0.3258	4.939	0.1331	46	3G	☑	☐	CHC 34 69
10-1919	1.457	0.2722	4.528	0.4200	45	3G	☑	☐	CHC 60 77 MIT 30 32
10-1918	1.918	0.2734	4.463	0.3710	45	3G	☑	☐	CHC 60 77 MIT 30 32
10-1920	1.331	0.2340	4.257	0.2685	45	3G	☑	☐	CHC 41
10-1921	1.094	0.2329	4.178	0.2716	45	3G	☑	☐	CHC 41
10-1924	1.752	0.2750	4.752	0.4990	45	3G	☑	☐	FOR 80 95 125
10-1924S	1.752	0.2750	4.752	0.4990	45	3G	☑	☐	FOR 80 95 125
10-1925	1.417	0.2740	4.681	0.500	44	3G	☑	☐	FOR 80 95 125
10-1925S	1.418	0.2740	4.681	0.4990	45	3G	☑	☐	FOR 79 94 124
10-1929	1.760	0.3139	4.684	0.1843	45	SG	☑	☐	GM 87 95
10-1931	1.940	0.3410	4.881	0.2605	45	SG	☑	☐	GM 130 170 ISU 29
10-1934	1.890	0.3136	4.869	0.2040	45	SG	☑	☐	GM 144 159 ISU 32 SAA 11
10-1934S	1.890	0.3136	4.869	0.2040	45	SG	☑	☐	GM 144 159
10-1935	1.550	0.3136	4.915	0.2030	45	SG	☑	☑	GM 144 159 170 176 ISU 32 34 SAA 11 12
10-1935S	1.550	0.3136	4.915	0.2030	45	SG	☑	☐	GM 144 159 179 ISU 32 34
10-1936	1.457	0.3154	5.119	0.177	45	3G	☑	☐	FOR 26
10-1937	1.141	0.2320	4.258	0.1360	45	SG	☑	☐	GM 69
10-1939S	1.062	0.2346	3.661	0.1200	45	3G	☑	☐	FOR 57
10-1941	1.396	0.2333	4.227	0.1300	46	SG	☑	☐	GM 69
10-1949	1.272	0.2349	3.797	0.2760	45	SG	☑	☐	GM 45
10-1950	1.081	0.2344	3.772	0.2755	45	SG	☑	☑	GM 45
10-1991	1.309	0.2340	4.513	0.1830	45	3G	☑	☐	CHC 16
10-1992	1.130	0.2329	4.614	0.1360	45	3G	☑	☐	CHC 16
10-1993	1.890	0.2734	4.969	0.1520	45	4G	☑	☐	CHC 54 65
10-1994	1.398	0.2722	5.023	0.1690	45	4G	☑	☐	CHC 54 65
10-1997	1.382	0.2348	4.026	0.2350	45	3G	☑	☐	GM 54 59 68
10-1998	1.457	0.2347	4.160	0.2460	44	3G	☑	☑	GM 76 98 124 ISU 17 24 28 SAA 10
10-1999	1.201	0.2343	4.246	0.2450	44	3G	☑	☑	GM 76 98 124 ISU 17 24 28 SAA 10
10-2006	1.378	0.2156	4.073	0.1840	45	SG	☑	☐	FOR 22 29 34 MAZ 20 25 26
10-2007	1.181	0.2150	4.120	0.1770	45	SG	☑	☐	FOR 22 29 34 MAZ 20 25 26
10-2008	1.370	0.2340	4.398	0.3620	45	3G	☑	☑	CHC 33
10-2009	1.120	0.2330	4.325	0.3558	45	3G	☑	☐	CHC 33

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-2010S	1.185	0.2340	3.975	0.2360	45	3G	☑	☐	GM 54 59 68 SAA 3
10-2014	1.299	0.2755	4.907	0.2990	30	SG	☑	☐	CHC 92 104
10-2015	1.299	0.2750	4.892	0.2980	45	SG	☑	☐	CHC 92
10-2035	1.120	0.2329	4.324	0.3560	45	3G	☑	☐	CHC 33
10-2040S	1.142	0.2340	3.633	0.1260	45	3G	☑	☐	DAE 4 5 GM 56 70 85 90 ISU 10 SAA 6 8 SUZ 9
10-2044	1.736	0.3163	5.255	0.2470	45.5	3G	☑	☐	FOR 26
10-2045	1.551	0.3126	4.915	0.2070	45	SG	☑	☐	GM 176
10-2046	1.661	0.2750	4.637	0.2210	45	3G	☑	☐	FOR 50 MAZ 35
10-2047	1.369	0.2740	4.615	0.2800	45	3G	☑	☐	FOR 50 MAZ 35
10-2053	1.426	0.2335	4.408	0.2460	45	SG	☑	☐	GM 99 135 138
10-2054	1.104	0.2335	3.678	0.2470	45	SG	☑	☐	GM 99 118 135 138
10-2076	1.347	0.2335	4.408	0.2460	45	SG	☑	☑	GM 118
10-2101	2.187	0.3720	5.225	0.2160	45	SG	☑	☐	GMM 12 GM 216
10-2103	2.000	0.3128	4.929	0.1510	45	3G	☑	☐	CHC 89
10-2118	1.331	0.2356	4.618	0.3460	45	3G	☑	☐	FOR 81 96 126
10-2118S	1.331	0.2356	4.618	0.3460	45	3G	☑	☐	FOR 81 96 126
10-2119	1.476	0.2346	4.583	0.4130	45	3G	☑	☐	FOR 81 96 126
10-2126S	1.720	0.3711	5.395	0.2181	45	SG	☑	☐	GMM 12 GM 216
10-2172	1.760	0.3138	4.684	0.1840	45	SG	☑	☐	GM 97
10-2173	1.425	0.3132	4.757	0.1900	45	SG	☑	☐	GM 97
10-2175	1.299	0.2738	4.975	0.5210	45	SG	☑	☑	GM 192
10-2176	1.220	0.2730	4.963	0.5200	45	SG	☑	☑	GM 192
10-2177	1.339	0.2153	4.392	0.2620	45	SG	☑	☐	GM 34 TOY 16
10-2179	1.339	0.2737	5.058	0.3570	30	SG	☑	☐	FOR 79 109
10-2180	1.102	0.2737	5.059	0.3600	37	SG	☑	☐	FOR 79 109
10-2181	1.443	0.2745	3.910	0.1945	45	SG	☑	☐	NIS 38
10-2182S	1.234	0.2745	3.812	0.1945	45	SG	☑	☐	NIS 38
10-2193	1.215	0.1952	3.989	0.4350	45	SG	☑	☐	FOR 68
10-2194	1.095	0.2165	3.795	0.1340	45	SG	☐	☐	KIA 2
10-2195	0.980	0.2165	3.759	0.1320	45	SG	☐	☐	KIA 1
10-2196	1.240	0.2362	4.051	0.1700	45	SG	☐	☐	KIA 10
10-2197	1.063	0.2362	3.996	0.1670	45	SG	☐	☐	KIA 10
10-2220	1.551	0.3126	4.844	0.1510	45	3G	☑	☐	CHC 89
10-2234	1.189	0.2740	4.095	0.1181	45.5	SG	☑	☐	CHC 40 MBZ 7
10-2235	1.120	0.2756	4.108	0.1201	45.5	SG	☑	☐	CHC 40 MBZ 7
10-2241	1.205	0.1957	3.514	0.1399	45	SG	☑	☐	TOY 7
10-2247	1.124	0.2345	3.999	0.1740	45	SG	☑	☐	GM 27
10-2248S	1.073	0.2337	3.982	0.1730	45	SG	☑	☐	GM 27
10-2249	1.193	0.2345	4.032	0.1740	45	SG	☑	☐	DAE 2
10-2250S	1.021	0.2337	4.014	0.1730	45	SG	☑	☐	DAE 2
10-2265	1.476	0.2346	4.583	0.4134	45	3G	☑	☐	FOR 81 96
10-2267	2.000	0.3136	4.869	0.2040	45	SG	☑	☐	GM 144 159 176 ISU 34
10-3002	1.287	0.2153	4.303	0.3350	45	SG	☐	☐	NIS 17 REN 2 5
10-3003	1.102	0.2148	4.240	0.3425	45	SG	☐	☐	NIS 17 REN 2 5
10-3003I	1.102	0.2148	4.240	0.3425	45	SG	☐	☐	NIS 17 REN 2 5
10-03004	1.106	0.2348	3.835	0.1100	45	3G	☑	☐	FOR 3
10-03029	1.465	0.235	3.798	0.188	45	SG	☑	☐	NIS 55 60 66 SUZ 17
10-03030	1.236	0.234	3.702	0.192	45	SG	☑	☐	NIS 55 60 66 SUZ 17
10-03031	1.378	0.2148	4.295	0.122	45	SG	☑	☐	HON 35 42 43
10-03032	1.181	0.2148	4.291	0.120	45	SG	☑	☐	HON 35 43
10-03033	1.402	0.2165	4.354		45	SG	☑	☐	DAE 1 GM 3
10-03034	1.252	0.2165	4.346	0.215	45	SG	☑	☐	DAE 1 GM 3
10-03035	1.317	0.2155	4.337	0.165	45	SG	☑	☐	REN 8
10-03036	1.139	0.2142	4.287		45	SG	☐	☑	REN 8
10-3043	0.9212	0.2153	3.955	0.1710	45	SG	☑	☐	HYU 1
10-3044	1.063	0.2142	3.943	0.1670	45	SG	☑	☐	HYU 1
10-3045	1.082	0.1950	3.960	0.092	45	3G	☑	☐	GM 38
10-3046	1.227	0.1950	3.994	0.101	45	3G	☐	☐	GM 38
10-3047	1.200	0.2145	4.063	0.177	45	SG	☑	☐	SUB 14
10-3048	1.378	0.2150	4.070	0.177	45	SG	☑	☐	SUB 14

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-3065	1.146	0.236	3.614	0.216	45	SG	☑	☐	HYU 4 13 KIA 5 9
10-3074	1.196	0.2750	4.039	0.197	45	SG	☑	☐	FIA 7
10-3075	1.175	0.2745	4.045	0.184	45	SG	☑	☐	FIA 7
10-3076	1.417	0.3140	3.815	0.141	45	3G	☐	☑	VOK 38
10-3077	1.240	0.3125	3.815		45	3G	☐	☑	VOK 38
10-3078	1.417	0.2745	3.540	0.087	45	3G	☐	☑	VOK 20 38
10-3079	1.237	0.274	3.532	0.092	45	3G	☐	☑	VOK 20 38
10-3080	1.336	0.236	4.382	0.215	45	SG	☐	☐	MIT 20
10-3081	1.200	0.2345	4.469	0.216	45	SG	☐	☐	MIT 20
10-3082	1.438	0.2340	4.348	0.250	45	SG	☑	☐	MIT 31
10-3083	1.262	0.2340	4.403	0.257	45	SG	☑	☐	MIT 31
10-3086	1.337	0.2154	4.187	0.217	45	SG	☑	☐	NIS 23 32
10-3087	1.093	0.2151	4.143	0.2311	45	SG	☑	☐	NIS 23 32
10-3088	1.476	0.215	4.186	0.262	45	SG	☑	☐	TOY 48
10-3089	1.240	0.2154	4.200	0.268	45	SG	☑	☐	TOY 48
10-3094	1.331	0.235	4.094	0.230	45	3G	☐	☐	VOK 17 25 28 39 56
10-3095	1.102	0.2348	4.012	0.2177	45	3G	☑	☐	VOK 17 25 28 39 48 49 58 61
10-3096	1.273	0.2353	4.093	0.2204	45	3G	☐	☐	VOK 39
10-3102	1.600	0.234	4.298	0.224	45	3G	☐	☐	FOR 10
10-3103	1.337	0.236	4.325	0.242	45	3G	☐	☐	FOR 10
10-3180	1.400	0.2351	3.846	0.187	45	SG	☑	☐	NIS 41 SUZ 12
10-3180S	1.400	0.2351	3.846	0.187	45	SG	☑	☐	NIS 41
10-3181	1.199	0.2344	3.890	0.187	45	SG	☑	☐	NIS 41 SUZ 12
10-3181S	1.199	0.2344	3.890	0.187	45	SG	☑	☐	NIS 41
10-3182	1.060	0.236	3.799	0.166	45	3G	☑	☐	VOK 54 59
10-3183	1.177	0.236	3.736	0.162	45	3G	☐	☐	VOK 54 59
10-3187	1.571	0.3138	5.118		45	SG	☑	☐	HYU 24
10-3186	1.338	0.313	5.106	0.118	45	SG	☑	☐	HYU 24
10-3188	1.338	0.3127	5.069	0.441	20	SG	☑	☐	MBZ 15
10-3189	1.496	0.3123	6.006	0.323	45	SG	☑	☐	MBZ 15
10-3190	1.358	0.235	3.907		45	3G	☑	☐	VOK 9
10-3191	1.102	0.234	3.907		45	3G	☐	☐	VOK 9
10-3200	1.300	0.2735	4.237	0.355	45	SG	☑	☐	ISU 20
10-3201	1.183	0.273	4.234	0.353	45	SG	☑	☐	ISU 20
10-13365	1.260	0.2157	4.305	0.2559	45	SG	☐	☐	TOY 15 21
10-13366	1.084	0.2155	4.262	0.2559	45	SG	☑	☐	TOY 15 21
10-3224	1.197	0.197	3.524		45	SG	☐	☐	MBZ 1
10-3225	1.000	0.197	3.579		45	SG	☐	☐	MBZ 1
10-3401	1.226	0.1955	4.613	0.398	45	3G	☐	☐	GM 28
10-3402	1.083	0.1955	4.577	0.398	45	3G	☐	☐	GM 28
10-09536	1.780	0.3420	4.973	0.3455	45	SG	☐	☐	FOR 100
10-09538	1.410	0.3410	4.973	0.3825	45	SG	☐	☐	FOR 100
10-09538+15	1.410	0.3425	4.973	0.3825	45	SG	☐	☐	FOR 100
10-09542	1.181	0.3420	4.280	0.1965	45	SG	☐	☐	NIS 9
10-09560	1.299	0.3130	4.396	0.2040	45	3G	☐	☐	VOK 10
10-09561	1.177	0.3510	4.404	0.1940	45	3G	☐	☐	VOK 10
10-09571	1.579	0.3140	4.256	0.2220	45	SG	☐	☐	NIS 20
10-09572	1.382	0.3130	4.264	0.2335	45	SG	☐	☐	NIS 20
10-09599	1.299	0.3130	3.877	0.1120	45	3G	☐	☐	VOK 18
10-09816	1.299	0.2760	4.134	0.1540	46	SG	☑	☐	GM 15
10-09658	1.496	0.3130	3.885	0.1200	45	3G	☐	☐	VOK 18
10-09832	1.141	0.2750	4.120	0.1444	46	SG	☐	☐	GM 15
10-10018	1.614	0.3141	4.457	0.1850	44	SG	☑	☐	TOY 20
10-10024S	1.416	0.3138	4.451	0.1820	45	SG	☐	☐	TOY 20
10-10031	1.462	0.3141	4.089	0.1590	45	SG	☑	☐	NIS 3 4 5 6
10-10037	1.419	0.3139	4.483	0.1831	45	SG	☑	☐	TOY 31
10-10048	1.692	0.3142	4.543	0.1831	45	SG	☐	☐	TOY 31
10-10060S	1.297	0.3162	4.206	0.2209	45	SG	☑	☐	FOR 14 17 MAZ 6 10 14
10-10061	1.656	0.3161	4.258	0.3370	45	SG	☐	☐	FOR 14 17 MAZ 6 10 14
10-10064	1.376	0.3124	4.394	0.1240	45	SG	☐	☐	CHC 15 39

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-10065	1.689	0.3140	4.432	0.1280	45	SG	☐	☐	CHC 15 39
10-10069	1.478	0.3142	4.922	0.1831	45	3G	☑	☐	TOY 59 63
10-10070	1.811	0.3142	4.917	0.1748	45	3G	☐	☐	TOY 59 60 63
10-10071	1.416	0.3138	4.290	0.2039	45	SG	☑	☐	TOY 11 13
10-10072	1.615	0.3139	4.288	0.2020	45	SG	☐	☐	TOY 11 13
10-10082	1.339	0.2750	4.459	0.2402	45	SG	☑	☐	HON 23
10-10083	1.220	0.3126	4.028	0.1180	45	SG	☐	☐	CHC 6 7 8
10-10087	1.673	0.3130	4.315	0.1402	45	SG	☑	☐	GM 40 ISU 7
10-10091S	1.495	0.3125	4.252	0.1180	45	SG	☑	☐	CHC 39 MIT 23
10-10092	1.810	0.3135	4.331	0.1180	45	SG	☐	☐	CHC 39 MIT 23
10-10093	1.337	0.3120	4.301	0.1350	45	SG	☑	☐	GM 40 46 ISU 6 7
10-10094	1.588	0.3125	4.353	0.1350	45	SG	☑	☐	GM 40 46 ISU 6 7
10-10097	1.181	0.2580	3.973	0.1675	45	SG	☑	☑	CHC 2 3 GM 16 HYU 5 6 MIT 1 2
10-10098	1.340	0.2580	4.020	0.1720	45	SG	☑	☐	CHC 2 3 HYU 5 MIT 1
10-10102S	1.181	0.2738	4.510	0.3000	45	SG	☑	☑	GM 1 7
10-10103	1.417	0.2738	4.550	0.3080	45	SG	☑	☐	GM 1 7 SUZ 1
10-10104	1.220	0.2740	4.140	0.1799	45	SG	☑	☑	GM 17 ISU 1
10-10105	1.415	0.2742	4.140	0.1799	45	SG	☑	☐	GM 17 ISU 1
10-10106	1.220	0.2745	4.212	0.2360	44	SG	☑	☑	GM 19 TOY 4 8
10-10107	1.417	0.2746	4.212	0.2362	44	SG	☑	☐	GM 19 TOY 4 8
10-10112	1.377	0.2748	4.456	0.2400	45	SG	☑	☐	HON 23
10-10113S	1.181	0.2733	4.447	0.2340	45	SG	☑	☑	HON 23
10-10115	1.417	0.2750	4.456	0.2339	45	SG	☑	☐	HON 23
10-10116	1.437	0.2750	4.102	0.165	44	SG	☑	☐	GM 51 55 58
10-10117	1.693	0.2760	4.102	0.1598	44	SG	☑	☐	GM 55
10-10122	1.217	0.2591	4.157	0.2067	45	SG	☑	☑	HON 27
10-10126	1.339	0.2587	4.321	0.2000	45	SG	☑	☐	CHC 5 20 HYU 11 16 18 22 KIA 18 MIT 5 11 12 18
10-10128	1.201	0.2575	4.319	0.2000	45	SG	☑	☐	CHC 5 20 HYU 11 16 18 22 KIA 20 MIT 5 11 12 18
10-10131S	1.281	0.3138	4.383	0.1610	45	SG	☐	☐	REN 6 7
10-10136	1.380	0.2586	4.000	0.1697	45	SG	☑	☐	GM 16 HYU 6 MIT 2
10-10138	0.965	0.2351	3.699	0.1783	45	SG	☑	☐	TOY 6
10-10139	1.654	0.3137	3.866	0.1587	45	SG	☑	☐	CHC 11 MIT 6
10-10140	1.339	0.3125	3.763	0.1591	45	SG	☑	☐	CHC 11 MIT 6
10-10141	1.693	0.3136	4.323	0.1390	45	SG	☑	☐	CHC 19 MIT 7 10
10-10142	1.378	0.3126	4.277	0.1386	45	SG	☑	☐	CHC 19 MIT 7 10
10-10143	1.811	0.3137	4.195	0.1378	45	SG	☑	☐	CHC 29 HYU 21 MIT 16
10-10144	1.496	0.3126	4.141	0.1390	45	SG	☑	☐	CHC 29 HYU 21 MIT 16
10-10145	1.810	0.3134	4.250	0.1528	45	SG	☑	☐	CHC 39 MAZ 30 MIT 23
10-10146	1.493	0.3125	4.170	0.1941	45	SG	☑	☐	CHC 39 MAZ 30 MIT 23
10-10146S	1.493	0.3120	4.170	0.1941	45	SG	☑	☐	CHC 39 MIT 23
10-10147	1.693	0.3137	4.024	0.1390	45	SG	☑	☐	CHC 44 HYU 28 MIT 24
10-10148	1.378	0.3126	4.012	0.1386	45	SG	☑	☐	CHC 44 HYU 28 MIT 24
10-10154	1.476	0.2740	4.065	0.1630	45	SG	☑	☐	FOR 7 MAZ 7
10-10155	1.259	0.2740	4.065	0.1673	45	SG	☑	☐	FOR 7 MAZ 7
10-10157	1.220	0.2354	4.148	0.1689	45	SG	☑	☐	FOR 9 KIA 7 MAZ 8
10-10162	1.280	0.2747	4.559	0.3138	45	SG	☑	☐	FOR 27 28 MAZ 22
10-10163	1.339	0.2745	4.575	0.3154	45	SG	☑	☐	FOR 27 MAZ 22
10-10164	1.339	0.2745	4.575	0.3100	45	SG	☑	☐	FOR 28 MAZ 22
10-10167	1.378	0.2350	3.818	0.1780	45	SG	☑	☐	FOR 51 53
10-10168S	1.180	0.2350	3.816	0.1760	45	SG	☑	☐	FOR 51 53
10-10169	1.378	0.2151	3.313	0.2010	45	SG	☑	☐	GM 2
10-10170	1.102	0.2144	3.311	0.2030	45	SG	☑	☐	GM 2
10-10172	1.441	0.2744	4.550	0.3110	45	SG	☑	☐	GM 26 SUZ 4
10-10173	1.278	0.2736	4.506	0.3031	45	SG	☑	☑	GM 26 SUZ 4
10-10173S	1.278	0.2736	4.506	0.2913	45	SG	☑	☑	GM 26 SUZ 4
10-10176	1.201	0.2354	3.924	0.1799	45	SG	☑	☐	GM 20 TOY 9
10-10182	1.498	0.2756	3.979	0.1598	45	SG	☑	☐	DAE 3 GM 21 30 35
10-10183	1.220	0.2750	3.996	0.1610	46	SG	☐	☐	DAE 3 GM 21 30 35
10-10188	1.063	0.2590	4.437	0.2150	45	SG	☑	☐	HON 8 10
10-10189	1.260	0.2583	4.481	0.1670	45	SG	☑	☐	HON 8

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-10190	1.142	0.2159	4.526	0.1970	45	SG	☑	☐	HON 11 17
10-10191	0.984	0.2148	4.675	0.2080	45	SG	☑	☐	HON 11 17
10-10192	1.180	0.2591	4.747	0.2500	45	SG	☑	☐	HON 26 28
10-10193	1.376	0.2730	4.762	0.2350	45	SG	☑	☐	HON 26 28
10-10195	1.299	0.2594	4.110	0.2094	45	SG	☑	☐	HON 29 36 45 47
10-10196	1.102	0.2580	4.171	0.2055	45	SG	☑	☐	HON 27 29 30
10-10197	1.339	0.2161	4.411	0.1160	45	SG	☑	☐	HON 37 44
10-10198	1.142	0.2148	4.862	0.2010	45	SG	☑	☐	HON 37
10-10206	1.339	0.2592	4.080	0.1992	45	SG	☑	☐	HON 41
10-10207	1.142	0.2579	4.044	0.1965	45	SG	☑	☐	HON 41
10-10213	1.645	0.2760	4.100	0.1598	44	SG	☑	☐	GM 51 55 58
10-10216	1.575	0.3125	4.560	0.1783	45	SG	☑	☐	GM 60 ISU 11
10-10217	1.339	0.3115	4.560	0.1783	45	SG	☑	☑	GM 60 ISU 11
10-10218	1.663	0.3130	4.357	0.1382	45	SG	☑	☐	GM 60 ISU 8 12
10-10219	1.736	0.3130	4.280	0.1382	45	SG	☑	☐	HON 46 ISU 13 16
10-10220S	1.413	0.3123	4.340	0.1390	45	SG	☑	☐	GM 61 ISU 8 12
10-10221S	1.453	0.3123	4.260	0.1390	45	SG	☑	☐	HON 46 ISU 13 16
10-10224	1.181	0.2153	3.632	0.1500	45	SG	☑	☐	NIS 15 21
10-10225	0.945	0.2146	3.646	0.1510	45	SG	☑	☐	NIS 15
10-10226	1.441	0.2743	3.989	0.2106	45	SG	☑	☐	NIS 38
10-10227S	1.232	0.2736	3.892	0.2138	45	SG	☑	☐	NIS 38
10-10228	1.339	0.2352	3.991	0.1870	45	SG	☑	☐	NIS 33
10-10235	1.103	0.2350	3.997	0.1693	45	SG	☑	☐	FOR 15 KIA 12 MAZ 12
10-10236	1.732	0.3164	4.405	0.2476	45	SG	☑	☐	KIA 14 MAZ 17 21
10-10237	1.417	0.3162	4.397	0.2492	45	SG	☑	☐	KIA 14 MAZ 17 21
10-10243	1.312	0.2746	4.435	0.1909	45	SG	☑	☐	MAZ 31
10-10244	1.417	0.2743	4.482	0.1917	45	SG	☑	☑	MAZ 31
10-10245	1.299	0.2744	4.773	0.2126	45	SG	☑	☐	MAZ 32
10-10246S	1.496	0.3160	4.824	0.2106	45	SG	☑	☐	MAZ 32
10-10247	1.366	0.2350	4.536	0.3201	45	SG	☑	☐	MAZ 33
10-10248	1.217	0.2350	4.747	0.3189	45	SG	☑	☐	MAZ 33
10-10251	1.457	0.2747	4.674	0.2016	45	SG	☑	☐	NIS 7
10-10252	1.181	0.2736	4.648	0.1378	45	SG	☑	☑	NIS 7
10-10255	1.460	0.2744	4.586	0.2030	45	SG	☑	☐	NIS 12
10-10256	1.185	0.2735	4.569	0.1360	45	SG	☑	☑	NIS 12
10-10257	1.220	0.2350	3.508	0.1787	45	SG	☑	☐	NIS 13
10-10258	1.102	0.2344	3.515	0.1780	45	SG	☑	☐	NIS 13 26
10-10259	1.142	0.2349	4.470	0.2531	45	SG	☑	☐	NIS 14
10-10260S	1.299	0.2581	4.576	0.2272	45	SG	☑	☑	NIS 14
10-10262S	1.220	0.2739	3.970	0.1181	45	SG	☑	☐	NIS 19
10-10268	1.658	0.3140	4.899	0.2228	45	SG	☑	☐	NIS 28 35 36
10-10269	1.500	0.3130	4.940	0.2291	45	SG	☑	☑	NIS 28 35 36
10-10270	1.617	0.2744	4.224	0.2287	45	SG	☑	☐	NIS 31
10-10271	1.381	0.2737	4.261	0.2319	45	SG	☑	☑	NIS 30 31
10-10272	1.578	0.2744	4.208	0.2299	45	SG	☑	☐	NIS 30
10-10273	1.339	0.2745	4.780	0.2311	45	SG	☑	☐	NIS 37
10-10274S	1.575	0.3130	4.820	0.2295	45	SG	☑	☑	NIS 37
10-10277	1.732	0.3139	4.500	0.1201	45	SG	☑	☐	NIS 45 46
10-10278S	1.378	0.3130	4.537	0.1154	45	SG	☑	☐	NIS 45 46
10-10280S	1.260	0.3131	4.616	0.1161	45	SG	☑	☐	NIS 47
10-10281	1.657	0.2744	4.945	0.1748	45	SG	☑	☐	FOR 47 54 NIS 49 54
10-10282	1.382	0.3137	4.901	0.1728	45	SG	☑	☑	FOR 47 NIS 49 54
10-10284	1.339	0.2354	4.060	0.1780	45	SG	☑	☐	NIS 50
10-10285S	1.164	0.2343	4.081	0.1799	45	SG	☑	☐	NIS 50
10-10286S	1.299	0.3136	4.032	0.2559	46	SG	☑	☑	NIS 62
10-10299	1.280	0.2344	3.976	0.1819	45	SG	☑	☐	SUB 9
10-10302	1.181	0.2736	4.509	0.3067	45	SG	☑	☑	SUZ 1
10-10304	0.944	0.2143	4.121	0.2010	45	SG	☑	☐	SUZ 2
10-10305	1.339	0.2353	3.743	0.1815	45	SG	☑	☐	TOY 51 56
10-10306S	1.073	0.2352	3.727	0.1846	45	SG	☑	☐	TOY 51 56

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-10307	1.417	0.3137	3.933	0.1618	45	SG	☑	☐	TOY 1 2
10-10308	1.142	0.3137	3.934	0.1630	45	SG	☑	☑	TOY 1 2
10-10310	1.181	0.2349	3.635	0.2661	45	SG	☑	☐	TOY 5
10-10311	1.220	0.2352	3.636	0.2717	45	SG	☑	☐	TOY 5
10-10314	1.181	0.2354	3.597	0.1787	45	SG	☑	☐	GM 22 TOY 10
10-10315	0.967	0.2353	3.618	0.1799	45	SG	☑	☐	GM 22 TOY 10
10-10321	1.476	0.2352	4.073	0.1799	46	SG	☑	☐	TOY 37 45
10-10322	1.575	0.3140	4.262	0.2787	45	SG	☑	☐	TOY 24 32
10-10323	1.417	0.3140	4.272	0.2811	45	SG	☑	☑	TOY 24 32
10-10324S	1.318	0.2350	4.054	0.1811	45	SG	☑	☐	TOY 25
10-10325	1.319	0.2350	3.959	0.1811	45	SG	☑	☐	TOY 25 26
10-10326S	1.140	0.2350	4.019	0.1830	45	SG	☑	☐	TOY 25
10-10328	1.770	0.3134	4.480	0.1878	45	SG	☑	☐	TOY 35
10-10330	1.457	0.3138	4.420	0.1890	45	SG	☑	☑	TOY 35
10-10332S	1.299	0.2354	3.786	0.1807	45	SG	☑	☐	TOY 42
10-10333	1.074	0.2352	3.788	0.1846	45	SG	☑	☐	TOY 42
10-10337	1.260	0.2350	3.860	0.2039	45	SG	☑	☐	TOY 49
10-10338S	1.083	0.2350	3.862	0.2004	45	SG	☑	☐	TOY 49
10-10339S	1.654	0.3140	4.101	0.2598	45	SG	☑	☐	TOY 50
10-10340	1.378	0.3140	4.103	0.2610	45	SG	☑	☑	TOY 50
10-10350S	1.579	0.3138	3.596	0.1338	45	3G	☐	☐	VOK 14 35
10-10351	1.575	0.3135	3.886	0.1181	45	3G	☑	☐	VOK 14
10-10353S	1.264	0.2745	3.760	0.1614	45	SG	☐	☐	VOK 15 26 34 36 51 57
10-10355S	1.102	0.2732	3.866	0.1732	45	SG	☑	☐	VOK 26 36
10-10356S	1.305	0.3127	3.591	0.1260	45	3G	☑	☐	VOK 14 24 32 33 35 37 38 41
10-10373	1.651	0.2743	4.035	0.1830	45	3G	☑	☐	BMW 11
10-10374S	1.415	0.2726	4.035	0.1259	45	3G	☑	☐	BMW 11
10-10375	1.570	0.2755	4.035	0.1730	45	3G	☑	☐	BMW 11
10-10385	1.656	0.3163	4.134	0.2051	45	SG	☑	☐	FOR 45
10-10385+3	1.656	0.3193	4.134	0.2051	45	SG	☑	☐	FOR 45
10-10386	1.417	0.3153	4.137	0.1831	44	3G	☑	☐	FOR 45
10-10386+15	1.418	0.3303	4.138	0.1831	45	3G	☑	☐	FOR 45
10-10387	1.711	0.3163	4.092	0.2071	45	SG	☑	☐	FOR 69 MAZ 38
10-10387+3	1.711	0.3193	4.092	0.2071	45	SG	☑	☐	FOR 69 MAZ 38
10-10387+15	1.711	0.3313	4.092	0.2071	45	SG	☑	☐	FOR 69 MAZ 38
10-10388	1.360	0.3153	4.098	0.1850	45	3G	☑	☑	FOR 69 MAZ 38
10-10388+3	1.360	0.3183	4.098	0.1850	45	3G	☑	☑	FOR 69 MAZ 38
10-10388+15	1.360	0.3303	4.098	0.1850	45	3G	☑	☑	FOR 69 MAZ 38
10-10414	1.102	0.2580	4.132	0.2055	45	SG	☑	☐	HON 36
10-10415	1.575	0.3131	5.378	0.2555	45	SG	☑	☐	CHC 28 FOR 31 MIT 15
10-10416	1.339	0.3122	5.379	0.2567	45	SG	☑	☐	CHC 28 FOR 31 MIT 15
10-10421	1.260	0.2351	3.842	0.1800	44	SG	☑	☐	TOY 22 29
10-10432	1.260	0.2161	4.411	0.1165	45	SG	☑	☐	HON 37
10-10434	1.299	0.2157	4.033	0.1270	45	SG	☑	☐	HON 19 21 24
10-10435	1.103	0.2148	4.037	0.1240	45	SG	☑	☐	HON 19 21 24
10-10474	1.201	0.2351	4.091	0.1780	45	SG	☑	☐	TOY 36 37 45
10-10497	1.299	0.2576	3.981	0.1650	45	SG	☑	☐	CHC 4 MIT 3
10-10498	1.181	0.2354	4.338	0.2524	45	SG	☑	☐	CHC 13 MIT 8 14
10-10499	1.063	0.2345	4.480	0.2531	45	SG	☑	☐	CHC 13 MIT 8 14
10-10500	1.375	0.2588	4.186	0.2016	45	SG	☑	☐	CHC 45 MIT 29 31 KIA 25 MIT 25 28
10-10501	1.199	0.2576	4.153	0.2031	45	SG	☑	☐	CHC 45 MIT 29 31 KIA 25 MIT 25 28
10-10502	1.339	0.2348	3.898	0.1626	45	SG	☑	☐	HON 52 ISU 22
10-10503	1.181	0.2347	3.955	0.1606	45	SG	☑	☑	HON 52 ISU 22
10-10506	1.221	0.2354	3.445	0.1811	45	SG	☑	☐	GM 22 32 TOY 10 12
10-10507	0.965	0.2351	3.466	0.1811	45	SG	☑	☐	GM 22 32 TOY 10 12
10-10512	1.161	0.2350	4.088	0.1689	45	SG	☑	☐	KIA 6 MAZ 8
10-10513	0.927	0.2353	4.131	0.1705	45	SG	☑	☐	KIA 6 MAZ 8
10-10516	1.149	0.2154	3.630	0.2220	45	SG	☑	☐	GM 7 24 SUZ 3 5
10-10517	0.986	0.2144	3.147	0.2250	45	SG	☑	☑	GM 7 24 SUZ 3 5
10-10518	1.319	0.2354	3.882	0.1811	45	SG	☑	☐	TOY 54

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-10520	1.272	0.2738	3.996	0.1913	45	SG	☑	☐	GM 45
10-10521	1.081	0.2732	3.967	0.1953	45	SG	☑	☐	GM 45
10-10522	1.574	0.2737	5.469	0.2374	45	SG	☑	☐	GM 44
10-10523	1.339	0.2730	5.475	0.2417	45	SG	☑	☐	GM 44
10-10524	1.181	0.2155	4.668	0.1180	45	SG	☐	☐	HON 4 18 22
10-10525	1.024	0.2148	4.565	0.1180	45	SG	☑	☐	HON 4 18 22 25 34
10-10534	1.299	0.2348	4.424	0.2516	45	SG	☑	☐	CHC 30 36 46 MIT 17 22 26 29
10-10535	1.142	0.2342	4.497	0.2504	45	SG	☑	☐	CHC 30 36 46 MIT 17 22 26 29
10-10536	0.980	0.2146	3.646	0.159	45	SG	☑	☐	NIS 15 21
10-10538	1.232	0.2344	3.744	0.1830	45	SG	☑	☐	NIS 52
10-10541	1.339	0.2161	4.567	0.1752	45	SG	☑	☐	HON 37 40 49 56 57 ISU 14
10-10542	1.142	0.2148	4.496	0.1752	45	SG	☑	☐	HON 37 40 49 56 57 ISU 14
10-10547	1.079	0.2348	3.898	0.1968	45	SG	☑	☐	HYU 7
10-10548	1.260	0.2339	3.906	0.2401	45	SG	☑	☐	HYU 7
10-10549	1.260	0.2344	3.870	0.2102	45	SG	☑	☐	HYU 7
10-10550	1.260	0.2351	3.698	0.1425	45	SG	☑	☐	FOR 37 MAZ 27
10-10551	1.086	0.2350	3.741	0.0591	45	SG	☑	☐	FOR 37 MAZ 27
10-10552	1.339	0.2156	3.758	0.1421	45	SG	☑	☐	TOY 52 55
10-10553S	1.073	0.2155	3.755	0.1398	45	SG	☑	☐	TOY 52 55
10-10557S	1.346	0.2737	4.211	0.1180	45	3G	☑	☐	VOK 43
10-10562	1.240	0.2350	3.534	0.1705	45	SG	☑	☐	FOR 20 MAZ 12 15
10-10563	1.089	0.2354	3.543	0.1705	45	SG	☑	☐	FOR 20 MAZ 12 15
10-10569	1.495	0.2350	4.243		45	SG	☐	☐	HYU 35 36 KIA 27 28
10-10570	1.220	0.2350	4.242		45	SG	☐	☐	HYU 35 36 KIA 27 28
10-10624	1.693	0.3137	4.054	0.1540	45	SG	☑	☐	CHC 44 HYU 28 MIT 24
10-10625	1.378	0.3126	4.042	0.1390	45	SG	☑	☐	CHC 44 HYU 28 MIT 24
10-10695	1.299	0.2349	4.177	0.1720	45	3G	☑	☐	BMW 7 8 12 15 17 18
10-10696S	1.198	0.2343	4.160	0.1710	45	3G	☑	☐	BMW 7 8 12 15 17 18
10-10723	1.257	0.2339	4.031	0.2770	45	SG	☐	☐	HYU 14 17
10-10724	1.081	0.2349	4.126	0.2210	45	SG	☑	☐	HYU 14 17
10-10725	1.772	0.3524	5.034	0.2200	45	SG	☑	☐	ISU 27 33
10-10726	1.476	0.3513	5.030	0.2200	45	SG	☑	☑	ISU 27 34
10-10728S	1.476	0.3514	5.028	0.2200	45	SG	☑	☑	ISU 27 34
10-10730S	1.198	0.2737	4.184	0.1315	45	3G	☑	☐	BMW 7 12
10-10732S	1.238	0.2733	3.813	0.1338	45	3G	☑	☐	VOK 20
10-10733	1.555	0.2756	3.618	0.1359	45	3G	☑	☐	VOK 14 27 29 41
10-10734S	1.295	0.2742	3.585	0.112	45	3G	☑	☐	VOK 14 27 29 41
10-10735	1.260	0.2155	3.485	0.1340	45	SG	☑	☐	GM 33 TOY 14
10-10736	1.082	0.215	3.491	0.1340	45	SG	☑	☐	GM 33 TOY 14
10-10737	1.354	0.2155	3.737	0.1360	45	SG	☑	☐	TOY 62 64 67
10-10739	1.338	0.2347	4.088	0.1460	45	SG	☑	☐	HON 53 61 ISU 23 25
10-10740	1.142	0.2344	4.073	0.1470	45	SG	☑	☐	HON 53 61 ISU 23 25
10-10741S	1.084	0.2579	4.191	0.1830	45	SG	☑	☐	HON 47
10-10742	1.224	0.2592	4.155	0.2120	45	SG	☑	☐	HON 27 30
10-10778	1.378	0.2160	4.567	0.1815	45	SG	☑	☐	GM 96 HON 49 56 57
10-10779	1.181	0.2148	4.496	0.1815	45	SG	☑	☐	GM 96 HON 43 49 50 56 57 62
10-10780	1.220	0.2170	3.492	0.1350	45	SG	☑	☐	GM 33 TOY 14
10-10781	1.020	0.2150	3.492	0.1350	45	SG	☑	☐	GM 33 TOY 14
10-10784	1.260	0.2347	4.020	0.1260	45	3G	☑	☐	DAE 4 5 GM 56 70 85 90 ISU 10 SAA 6 8 SUZ 9
10-10786	1.299	0.2350	3.396	0.1770	45	SG	☑	☐	GM 49 72 SUZ 6 7 13 14
10-10787S	1.102	0.2341	3.382	0.1750	45	SG	☑	☐	GM 49 72 SUZ 6 7 13 14
10-10792	1.441	0.2740	3.986	0.1930	45	SG	☑	☐	NIS 38
10-10793S	1.232	0.2736	3.896	0.1920	45	SG	☑	☐	NIS 38
10-10794	1.339	0.2350	3.872	0.1810	45	SG	☑	☐	NIS 33
10-10795	1.181	0.2340	3.909	0.1840	45	SG	☑	☐	NIS 33
10-10798	1.339	0.2156	4.004	0.1350	45	SG	☐	☐	GM 67 TOY 27 34
10-10799	1.161	0.2155	3.982	0.1350	45	SG	☐	☐	GM 67 TOY 27 34
10-10803S	1.177	0.2345	4.090	0.1570	45	3G	☑	☑	VOK 16 40 42 47
10-10804S	1.058	0.2345	4.137	0.2220	45	3G	☑	☑	VOK 16 40 42 47
10-10805S	1.177	0.2345	4.091	0.2220	45	3G	☑	☐	VOK 16 40 42 47

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-10806	1.417	0.2344	4.760	0.1940	45	SG	☑	☐	SAA 5 SUB 9 11
10-10807	1.239	0.2340	4.790	0.2000	45	SG	☑	☐	SAA 5 SUB 9 11
10-10808	1.260	0.2350	3.781	0.1950	45	SG	☐	☐	HYU 25 27 KIA 21 22
10-10809	1.083	0.2345	3.823	0.2160	45	SG	☐	☐	HYU 25 27 KIA 21 22
10-10812	1.110	0.2345	3.614	0.2030	45	SG	☐	☐	HYU 8
10-10813	0.984	0.2339	3.638	0.2010	45	SG	☐	☐	HYU 4 8 13 KIA 5 9
10-10815	1.140	0.236	4.094	0.1440	45	SG	☐	☐	KIA 16
10-10816	1.257	0.2349	4.502	0.2720	45	SG	☐	☐	HYU 17 KIA 13
10-10817	1.081	0.2339	4.598	0.2205	45	SG	☐	☐	HYU 17 KIA 13
10-13006	1.299	0.2756	4.893	0.300	45	SG	☑	☐	CHC 92 104
10-13038	1.150	0.2154	3.783	0.1358	45	SG	☑	☐	KIA 6
10-13039	1.013	0.2143	3.740	0.1330	45	SG	☑	☐	KIA 6
10-13042	1.591	0.3136	4.915	0.204	45	SG	☑	☐	GM 176 181 ISU 34
10-13043	1.870	0.3136	4.835	0.204	45	SG	☑	☐	GM 100 115
10-13044	1.523	0.3135	4.803	0.2040	45	SG	☑	☑	GM 100 115
10-13046	1.323	0.2343	4.252	0.246	44	3G	☑	☐	GM 80 106 124 ISU 19 26 28 SAA 10
10-13073	1.130	0.274	4.095	0.1181	45	SG	☑	☐	CHC 40 MBZ 5 7
10-13074	1.032	0.274	4.114	0.1181	45	SG	☑	☐	CHC 40 MBZ 5 7
10-13079	1.405	0.2349	3.815	0.1515	45	SG	☑	☐	NIS 41
10-13080	1.206	0.2347	3.856	0.1535	45	SG	☑	☐	NIS 41
10-13086	1.495	0.2156	4.165	0.267	45	SG	☑	☐	TOY 58 61 66 70
10-13087	1.258	0.2155	4.345	0.2618	45	SG	☑	☐	TOY 58 61 66 68 70
10-13088	1.436	0.216	4.210	0.134	45	SG	☑	☐	TOY 61
10-13089	1.160	0.215	4.165	0.140	45	SG	☑	☐	TOY 61
10-13121	1.461	0.3130	5.140	0.4173	45	SG	☑	☐	GM 156 212 ISU 31 36
10-13122	1.457	0.3120	5.128	0.4173	45	SG	☑	☐	GM 156 212 ISU 31 36
10-13139S	1.417	0.2346	4.169	0.2519	45	SG	☑	☐	SUB 11
10-13140S	1.260	0.2342	4.181	0.2540	45	SG	☑	☐	SUB 11
10-13161	1.299	0.2756	4.893	0.300	45	SG	☑	☐	CHC 92 104
10-13179	1.525	0.2347	4.165	0.246	44	3G	☑	☐	GM 80 106 124 ISU 19 26 28 SAA 10
10-13182	1.339	0.2738	5.138	0.4366	37	SG	☑	☑	FOR 114
10-13183	1.161	0.2738	5.138	0.4366	39.5	SG	☑	☐	FOR 114
10-13190	1.378	0.2154	4.456	0.2024	44.5	SG	☑	☐	CHC 12 22 31 HYU 17 19 23 KIA 15 19 MIT 13 19
10-13191	1.1480	0.2151	4.169	0.1236	44.5	SG	☑	☐	CHC 12 22 31 HYU 17 19 23 KIA 15 19 MIT 13 19
10-13194	2.050	0.3127	5.165	0.1508	44.5	3G	☑	☐	CHC 89
10-13195	1.552	0.3126	5.139	0.1504	45	3G	☑	☐	CHC 89
10-13197	1.299	0.235	3.685	0.1771	44.5	SG	☑	☐	SUZ 8 14
10-13198	1.102	0.2343	3.673	0.1771	44.5	SG	☑	☐	SUZ 8 14
10-13201	1.417	0.2345	4.110	0.1693	45	SG	☑	☐	SAA 4 5 SUB 6 11
10-13203S	1.260	0.2343	4.120	0.1693	45	SG	☑	☐	SAA 4 5 SUB 6 11
10-13206	2.079	0.3125	4.971	0.1535	44.5	3G	☑	☐	CHC 96
10-13207	1.595	0.3125	4.921	0.1535	44.5	3G	☑	☑	CHC 96
10-13211	1.384	0.2348	3.985	0.3307	45	SG	☑	☐	GM 77 83 SAA 7 9
10-13221	1.195	0.2349	3.730	0.189	45	SG	☑	☐	NIS 55 56 57
10-13212	1.205	0.2344	3.748	0.3307	44.2	SG	☑	☐	GM 83 104 SAA 9
10-13215	1.398	0.2152	3.960	0.1220	45	SG	☑	☐	SUZ 11
10-13216	1.200	0.2142	3.884	0.1220	45	SG	☑	☐	SUZ 11
10-13220	1.449	0.2352	3.825	0.189	45	SG	☑	☐	NIS 55 56 57
10-13222	1.193	0.236	4.291	0.180	45	3G	☐	☐	BMW 1 2
10-13223	0.917	0.236	4.638	0.1185	45	3G	☐	☐	BMW 1 2
10-13225	1.457	0.2161	3.841	0.183	44.5	SG	☑	☐	FOR 56 58 63 MAZ 36 37
10-13226	1.220	0.2155	3.756	0.1831	44.5	SG	☑	☐	FOR 56 58 63 MAZ 36 37
10-13233	1.225	0.196	4.004	0.1654	45	SG	☐	☐	NIS 16
10-13234	1.002	0.1954	4.035	0.163	45	SG	☑	☐	NIS 16
10-13239	2.165	0.3135	4.890	0.2248	45	SG	☑	☐	GM 181
10-13240	2.165	0.3135	4.870	0.2040	45	SG	☑	☐	GM 176 181 ISU 34
10-13241S	1.589	0.3136	4.914	0.204	45	SG	☑	☐	GM 176 181 ISU 34
10-13244	2.000	0.3135	4.870	0.2040	45	SG	☐	☐	GM 144 159 170 176 ISU 32 SAA 11 12
10-13251	1.915	0.2734	4.481	0.2933	44.5	3G	☑	☐	CHC 77
10-13252	1.457	0.2722	4.541	0.389	44.5	3G	☑	☐	CHC 77

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-13259	1.378	0.2151	3.925	0.7933	45	SG	☑	☐	SUB 14
10-13260	1.201	0.2147	4.142	0.1791	45	SG	☑	☐	SUB 14
10-13261	1.417	0.215	4.075	0.1693	45	SG	☑	☐	SUB 16
10-13262	1.260	0.2147	4.063	0.1673	45	SG	☑	☐	SUB 16
10-13263	1.535	0.2350	4.588	0.4570	45	3G	☑	☐	CHC 57 VOK 53
10-13264	1.181	0.2347	4.551	0.4335	45	3G	☑	☐	CHC 51 57 VOK 53
10-13265	1.331	0.2748	5.242	0.6988	29.5	3G	☑	☐	FOR 122
10-13266	1.195	0.2748	5.242	0.6988	44.5	3G	☑	☐	FOR 122
10-13286	1.415	0.2154	4.135	0.1102	45	SG	☑	☐	HYU 30 32 34 KIA 23 24 26
10-13287	1.220	0.2151	4.156	0.1102	45	SG	☑	☐	HYU 30 32 34 KIA 23 24 26
10-13288	2.106	0.3127	5.425	0.1398	44.5	3G	☑	☐	FOR 112
10-13289	1.654	0.3122	5.348	0.1398	44.5	3G	☑	☐	FOR 112
10-13290S	2.106	0.3127	5.425	0.1398	44.5	3G	☑	☐	FOR 112
10-13291S	1.654	0.3122	5.348	0.1398	44.5	3G	☑	☐	FOR 112
10-13293	1.382	0.2348	4.026	0.235	44.5	3G	☑	☐	GM 54 68 SAA 3
10-13294	1.457	0.2356	4.719	0.3898	45	3G	☑	☐	FOR 87
10-13295	1.220	0.2346	4.272	0.3366	45	3G	☑	☐	FOR 87
10-13305	1.378	0.2354	4.071	0.152	45	SG	☑	☐	MAZ 25
10-13306	1.181	0.2352	4.120	0.1772	45	SG	☑	☐	MAZ 25
10-13310	1.307	0.2354	5.370	0.203	45	3G	☐	☐	VOK 44 50 52
10-13311	1.189	0.235	5.364	0.203	45	3G	☑	☐	VOK 44 50 52
10-13312	1.307	0.235	4.040	0.203	45	3G	☑	☐	VOK 44 50 52 63
10-13313	1.189	0.235	4.024	0.207	45	3G	☑	☐	VOK 44 50 52 63
10-13314	1.333	0.2354	4.094	0.2181	45	3G	☐	☐	VOK 48 58
10-13321	1.181	0.196	3.819	0.225	45	3G	☐	☐	BMW 3
10-13322	0.988	0.196	4.362	0.2250	45	3G	☐	☐	BMW 3
10-13323	1.133	0.196	4.161	0.2135	45	3G	☐	☐	BMW 4
10-13324	1.169	0.196	3.740	0.1185	45	3G	☐	☐	BMW 5
10-13325	1.024	0.196	4.343	0.225	45	3G	☐	☐	BMW 4 5
10-13333	1.510	0.2346	3.962	0.3310	44.5	SG	☑	☐	GM 104
10-13334	1.457	0.2348	3.988	0.3327	44.25	SG	☑	☐	GM 104 SUZ 16
10-13335	1.205	0.2344	3.824	0.3327	44.25	SG	☑	☑	GM 77 104 SUZ 15 16
10-13336	1.417	0.2165	4.606	0.1732	45	SG	☑	☐	HON 43 50 57 62
10-13337	1.415	0.2748	3.524	0.0835	45	3G	☑	☐	VOK 20 22 60
10-13338S	1.238	0.2739	3.504	0.0835	45	3G	☑	☐	VOK 20 60
10-13342	1.232	0.1958	4.032	0.0984	44.5	3G	☑	☐	GM 36
10-13343	1.083	0.1952	4.009	0.0984	44.5	3G	☑	☐	GM 36
10-13345S	1.220	0.2155	3.756	0.1831	44.5	SG	☑	☐	FOR 58
10-13349	1.437	0.2352	4.303	0.2165	45	SG	☑	☐	MIT 31
10-13350	1.260	0.2345	4.468	0.3051	44.5	SG	☑	☐	MIT 31
10-13356	1.122	0.2349	4.028	0.3602	45	3G	☑	☐	CHC 47 MBZ 9
10-13357	1.000	0.2346	4.028	0.3681	45	3G	☑	☐	CHC 47 MBZ 9
10-13358	1.417	0.2157	4.283	0.118	45	SG	☑	☐	HON 43
10-13359	1.220	0.2148	4.280	0.118	45	SG	☑	☐	HON 43
10-13398	1.337	0.2154	4.185	0.1634	44.5	SG	☑	☐	GM 50 NIS 23 32
10-13399	1.093	0.2151	4.146	0.1791	44.5	SG	☑	☐	GM 50 NIS 23 32
10-13400	1.417	0.2155	5.004	0.4181	45	3G	☐	☐	CHC 18
10-13401	1.417	0.2154	4.299	0.2047	44.5	3G	☑	☐	CHC 32 FIA 12
10-13402	1.142	0.2150	4.728	0.3937	44.5	3G	☑	☐	CHC 18 32 FIA 12
10-13428	1.280	0.2142	4.242	0.4744	44.5	3G	☑	☐	FOR 41 46
10-13429	1.114	0.2137	3.813	0.3780	44.5	3G	☑	☐	FOR 41 46
10-13432	1.929	0.3136	5.211	0.2047	45	1G	☑	☐	GM 131 160
10-13433	1.555	0.3136	5.207	0.2047	45	1G	☑	☐	GM 131 160
10-13440	1.587	0.3136	4.914	0.2040	45	SG	☑	☐	GM 176 ISU 34
10-13441	1.437	0.2348	3.776	0.3327	44.5	1G	☐	☐	GM 52 71
10-13442	1.142	0.2345	4.073	0.3327	44.5	1G	☑	☐	GM 71
10-13445	1.173	0.2730	4.806	0.3772	30	3G	☑	☐	FOR 52
10-13446S	1.016	0.2725	4.799	0.3819	45	3G	☑	☐	FOR 52
10-13449	1.252	0.2346	4.272	0.3366	40	3G	☑	☐	FOR 87
10-13453	1.1860	0.2350	3.898	0.1909	44.5	3G	☐	☐	FOR 6

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-13454	0.949	0.2346	3.996	0.1909	44.5	3G	☐	☐	FOR 6
10-13455	1.1850	0.1956	3.892	0.1831	44.5	3G	☐	☐	FOR 5 13
10-13456	0.9803	0.1952	3.923	0.1831	30	3G	☐	☐	FOR 5 13
10-13457	1.067	0.1956	3.789	0.1575	45	3G	☑	☐	FOR 1
10-13458S	0.909	0.1949	3.866	0.1575	45	3G	☑	☐	FOR 1
10-13461	1.535	0.2350	4.311	0.1772	44.5	3G	☑	☐	CHC 57
10-13462	1.181	0.2347	4.396	0.2756	44.5	3G	☐	☐	CHC 57
10-13463	1.457	0.3130	5.530	0.4173	29.5	1G	☐	☐	ISU 31
10-13464	1.456	0.3120	5.520	0.4173	45	1G	☐	☐	ISU 31
10-13467	1.551	0.2348	4.186	0.3287	44	3G	☑	☐	GM 105
10-13468	1.240	0.2344	3.958	0.3287	44	3G	☑	☐	GM 105
10-13469	1.299	0.2738	4.976	0.4902	44.5	SG	☑	☐	GM 192
10-13470	1.220	0.2737	4.967	0.4902	44.5	SG	☑	☐	GM 192
10-13475	1.260	0.2362	4.248	0.3169	40	SG	☑	☐	NIS 64
10-13476	1.140	0.2362	4.252	0.3169	45	SG	☑	☐	NIS 64
10-13480	1.280	0.2156	4.073	0.1811	44.5	SG	☑	☐	FOR 23 32
10-13481	1.181	0.215	4.120	0.1811	45	SG	☑	☐	FOR 23 32
10-13482	1.102	0.2150	4.122	0.1811	44.5	SG	☑	☐	FOR 23
10-13487	1.484	0.2356	4.744	0.3445	45.5	3G	☑	☐	FOR 87
10-13488	1.260	0.2346	4.315	0.3208	50	3G	☑	☐	FOR 87
10-13489	1.467	0.2356	4.722	0.3937	45	3G	☑	☐	FOR 87
10-13495	1.476	0.2356	4.783	0.4035	45	3G	☐	☐	FOR 58
10-13496	1.244	0.2346	4.325	0.3150	44	3G	☐	☐	FOR 58
10-13497	1.116	0.2134	3.837	0.3780	44	3G	☑	☐	FOR 41
10-13502	1.096	0.1961	4.189	0.2303	45	3G	☑	☐	CHC 48
10-13503S	0.961	0.1957	4.189	0.2441	45	3G	☑	☐	CHC 48
10-13506	1.102	0.1962	4.144	0.2264	45	3G	☑	☐	CHC 48
10-13507S	0.965	0.196	4.144	0.2461	45	3G	☑	☐	CHC 48
10-13511	2.163	0.313	5.743	0.1339	45	3G	☑	☐	FOR 124 132
10-13512	1.670	0.3120	5.690		40	3G	☐	☐	FOR 124 132
10-21235S	1.660	0.3716	5.367	0.220	20	SG	☑	☐	GM 177 200 206
10-30100	1.240	0.215	3.669		45	SG	☑	☐	HYU 10 KIA 3 8
10-30101	1.024	0.215	3.646		45	SG	☑	☐	HYU 10 KIA 3
10-30102	0.925	0.2158	3.920		45	SG	☑	☐	HYU 2
10-30103	1.063	0.214	3.898		45	SG	☑	☐	HYU 2
10-30104	1.299	0.215	4.030		45	SG	☑	☐	HYU 15 20 KIA 11 17
10-30105	1.064	0.215	4.105		45	SG	☑	☐	HYU 15 20 KIA 11 17
10-30106	1.404	0.2350	4.004	0.343	45	SG	☑	☐	NIS 41
10-30106S	1.404	0.2350	4.004	0.343	45	SG	☑	☐	NIS 41
10-30107	1.199	0.2346	4.045	0.343	45	SG	☑	☐	NIS 41
10-30107S	1.199	0.2346	4.045	0.343	45	SG	☑	☐	NIS 41
10-13477	1.059	0.2358	3.748	0.1220	45	3G	☑	☐	CHC 1 FIA 3
10-13478S	0.885	0.2354	3.728	0.1220	44.5	3G	☑	☐	CHC 1 FIA 3
10-30110	1.161	0.235	3.963	0.264	45	3G	☐	☐	VOK 8
10-30111	1.024	0.2341	3.962	0.264	45	3G	☑	☐	VOK 8
10-30112	1.110	0.235	4.205		45	SG	☑	☐	NIS 42
10-30113	1.031	0.234	4.189		45	SG	☑	☐	NIS 42
10-13367	1.102	0.1952	3.695	0.1969	45	3G	☑	☐	GM 9 13
10-13368S	0.984	0.1944	3.696	0.1969	45	3G	☑	☑	GM 9 13
10-30116	1.449	0.274	4.470	0.169	40	SG	☑	☐	PEU 1
10-30117	1.158	0.274	4.433	0.162	45	SG	☑	☐	PEU 1
10-30118	1.220	0.234	4.060	0.176	45	3G	☑	☐	GM 10
10-30119	1.083	0.234	4.024	0.176	45	3G	☑	☐	GM 10
10-30120	1.496	0.234	3.994		46	3G	☑	☐	GM 35
10-30121	1.220	0.234	3.994		46	3G	☑	☐	GM 35
10-30122	1.260	0.274	4.470		45	SG	☑	☐	NIS 48
10-30123	1.180	0.273	4.467		45	SG	☑	☐	NIS 48
10-30126	1.232	0.2352	4.087	0.232	45	SG	☑	☐	PEU 4
10-30127	0.965	0.2352	4.110	0.230	45	SG	☑	☐	PEU 4
10-30128	1.107	0.235	3.911	0.356	45	3G	☐	☐	VOK 23

VALVE NUMERICAL LISTING

QC #	Head Dia.	Stem Dia.	Overall Length	Tip To Groove	Seat Angle	Stem Type	Chrome / Nitride Stem	Wafer / Stellite Tip	Application / Line Number
10-30129	0.964	0.2345	3.906	0.356	45	3G	☐	☐	VOK 23
10-30145	1.533	0.314	4.582		30	3G	☑	☑	FOR 35
10-30146	1.437	0.313	4.581		45	3G	☑	☐	FOR 35
10-30147	1.476	0.274	4.256		30	SG	☐	☐	REN 4
10-30148	1.322	0.274	4.245		45	SG	☐	☐	REN 4
10-30151	1.579	0.3130	4.650	0.346	45	SG	☐	☐	ISU 15
10-30152	1.402	0.3120	4.650	0.343	45	SG	☐	☐	ISU 15
10-30155	2.008	0.352	5.551	0.382	45	1G	☐	☐	ISU 30
10-30156	1.654	0.3514	5.535	0.382	45	1G	☐	☐	ISU 30
10-30157	1.912	0.3518	5.159	0.134	45	1G	☐	☐	NIS 67
10-30158	1.553	0.3510	5.154	0.127	45	1G	☐	☐	NIS 67
10-30165	1.0945	0.196	3.876	0.248	45	SG	☑	☐	GM 12
10-30166	0.9710	0.195	3.895	0.249		SG	☑	☐	GM 12
10-30167	1.496	0.276	4.113	0.168	45	SG	☑	☐	GM 14
10-30168	1.216	0.2745	4.130	0.1695	45	SG	☑	☐	GM 14
10-30532	1.417	0.216	4.113		45	SG	☑	☐	TOY 39
10-30539	0.903	0.215	3.898		45	SG	☐	☐	HON 15
10-30540	1.102	0.216	3.913		45	2G	☐	☐	HON 15
10-30814	2.125	0.313	5.240		45	SG	☐	☐	GM 181
10-30815	1.594	0.313	5.201			SG	☐	☐	GM 181
10-30816	1.142	0.234	4.071		45	SG	☐	☐	GM 52
10-30819	1.102	0.195	4.191		46	3G	☐	☐	GM 13 18
10-30820	0.919	0.194	4.159		46	3G	☐	☐	GM 13 18
10-30821	2.138	0.312	5.128		46	3G	☐	☐	CHC 97 100
10-30822	1.654	0.312	5.012		45	3G	☐	☐	CHC 97 100
10-30831	1.082	0.234	4.251	0.315	45	SG	☑	☐	MIT 21
10-30832	1.244	0.235	4.236	0.319	45	SG	☑	☐	MIT 21
10-30833	1.082	0.2145	3.759	0.249	45	3G	☑	☐	PEU 2
10-30834	1.188	0.215	3.769	0.261	45	3G	☑	☐	PEU 2
10-30835	0.925	0.2145	3.803	0.295	45	3G	☑	☐	PEU 3
10-30836	1.007	0.215	3.796	0.280	45	3G	☑	☐	PEU 3
10-30837	1.181	0.235	4.742	0.317	45	3G	☑	☐	FIA 11
10-30838	1.181	0.235	4.742	0.330	45	3G	☑	☐	FIA 11
10-30839	1.273	0.235	4.722	0.343	30	3G	☑	☐	FIA 14
10-30840	1.274	0.235	4.722	0.333	30	3G	☑	☐	FIA 14
10-30841	1.122	0.214	4.219	0.551	45	3G	☑	☐	FOR 4
10-30842	1.337	0.214	3.906	0.330	45	3G	☑	☐	FOR 4
10-30843	1.023	0.234	4.155		45	SG	☑	☐	NIS 42
10-30844	1.125	0.235	4.172		45	SG	☑	☐	NIS 42
10-30845	0.9685	0.2346	4.295		45	3G	☐	☐	MBZ 4
10-30846	1.122	0.2350	4.283		45	3G	☐	☐	MBZ 4
10-30849	1.083	0.1953	4.455		45	3G	☑	☐	GM 36
10-30850	1.228	0.196	4.480		45	3G	☑	☐	GM 36
10-30851	0.925	0.195	3.925		45	SG	☑	☐	GM 6
10-30852	1.016	0.196	3.906		45	SG	☑	☐	GM 6
10-30853	0.958	0.195	4.012	0.270	45	3G	☑	☐	GM 4 5
10-30854	1.193	0.195	3.697	0.287	45	3G	☑	☐	GM 4 5
10-30855	0.882	0.1953	3.835	0.140	45	3G	☑	☐	NIS 1 REN 1
10-30856	1.062	0.196	3.721	0.148	45	3G	☑	☐	NIS 1 REN 1

VALVE PROGRESSIVE SIZE LISTING BY HEAD DIAMETER

Head Dia.	Stem Dia.	Length	QC #
0.882	0.1953	3.835	**10-30855**
0.885	0.2354	3.728	**10-13478S**
0.903	0.215	3.898	**10-30539**
0.909	0.1949	3.866	**10-13458S**
0.917	0.236	4.638	**10-13223**
0.919	0.194	4.159	**10-30820**
0.9212	0.2153	3.955	**10-3043**
0.925	0.195	3.925	**10-30851**
0.925	0.2145	3.803	**10-30835**
0.925	0.2158	3.920	**10-30102**
0.927	0.2353	4.131	**10-10513**
0.944	0.2143	4.121	**10-10304**
0.945	0.2146	3.646	**10-10225**
0.949	0.2346	3.996	**10-13454**
0.958	0.195	4.012	**10-30853**
0.961	0.1957	4.189	**10-13503S**
0.964	0.2345	3.906	**10-30129**
0.965	0.196	4.144	**10-13507S**
0.965	0.2351	3.466	**10-10507**
0.965	0.2351	3.699	**10-10138**
0.965	0.2352	4.110	**10-30127**
0.967	0.2353	3.618	**10-10315**
0.9685	0.2346	4.295	**10-30845**
0.9710	0.195	3.895	**10-30166**
0.980	0.2146	3.646	**10-10536**
0.980	0.2165	3.759	**10-2195**
0.9803	0.1952	3.923	**10-13456**
0.984	0.1944	3.696	**10-13368S**
0.984	0.2148	4.675	**10-10191**
0.984	0.2339	3.638	**10-10813**
0.986	0.2144	3.147	**10-10517**
0.988	0.196	4.362	**10-13322**
1.000	0.197	3.579	**10-3225**
1.000	0.2346	4.028	**10-13357**
1.002	0.1954	4.035	**10-13234**
1.007	0.215	3.796	**10-30836**
1.013	0.2143	3.740	**10-13039**
1.016	0.196	3.906	**10-30852**
1.016	0.2725	4.799	**10-13446S**
1.020	0.2150	3.492	**10-10781**
1.021	0.2337	4.014	**10-2250S**
1.023	0.234	4.155	**10-30843**
1.023	0.2346	4.545	**10-1729**
1.024	0.196	4.343	**10-13325**
1.024	0.2148	4.565	**10-10525**
1.024	0.215	3.646	**10-30101**
1.024	0.2341	3.962	**10-30111**
1.031	0.234	4.189	**10-30113**
1.032	0.274	4.114	**10-13074**
1.058	0.2345	4.137	**10-10804S**
1.059	0.2358	3.748	**10-13477**
1.060	0.236	3.799	**10-3182**
1.062	0.196	3.721	**10-30856**
1.062	0.2346	3.661	**10-1939S**
1.063	0.214	3.898	**10-30103**
1.063	0.2142	3.943	**10-3044**
1.063	0.2345	4.480	**10-10499**
1.063	0.2362	3.996	**10-2197**
1.063	0.2590	4.437	**10-10188**
1.064	0.215	4.105	**10-30105**
1.067	0.1956	3.789	**10-13457**
1.073	0.2155	3.755	**10-10553S**
1.073	0.2337	3.982	**10-2248S**
1.073	0.2352	3.727	**10-10306S**
1.074	0.2352	3.788	**10-10333**
1.079	0.2348	3.898	**10-10547**
1.081	0.2339	4.598	**10-10817**
1.081	0.2344	3.772	**10-1950**
1.081	0.2349	4.126	**10-10724**
1.081	0.2732	3.967	**10-10521**
1.082	0.1950	3.960	**10-3045**
1.082	0.2145	3.759	**10-30833**
1.082	0.215	3.491	**10-10736**
1.082	0.234	4.251	**10-30831**
1.083	0.1952	4.009	**10-13343**
1.083	0.1953	4.455	**10-30849**
1.083	0.1955	4.577	**10-3402**
1.083	0.234	4.024	**10-30119**
1.083	0.2345	3.823	**10-10809**
1.083	0.2350	3.862	**10-10338S**
1.084	0.2155	4.262	**10-13366**
1.084	0.2579	4.191	**10-10741S**
1.086	0.2350	3.741	**10-10551**
1.089	0.2354	3.543	**10-10563**
1.093	0.2151	4.143	**10-3087**
1.093	0.2151	4.146	**10-13399**
1.094	0.2329	4.178	**10-1921**
1.0945	0.196	3.876	**10-30165**
1.095	0.2165	3.795	**10-2194**
1.096	0.1961	4.189	**10-13502**
1.102	0.195	4.191	**10-30819**
1.102	0.1952	3.695	**10-13367**
1.102	0.1962	4.144	**10-13506**
1.102	0.2144	3.311	**10-10170**
1.102	0.2148	4.240	**10-3003**
1.102	0.2148	4.240	**10-3003I**
1.102	0.2150	4.122	**10-13482**
1.102	0.216	3.913	**10-30540**
1.102	0.234	3.907	**10-3191**
1.102	0.2341	3.382	**10-10787S**
1.102	0.2343	3.673	**10-13198**
1.102	0.2344	3.515	**10-10258**
1.102	0.2348	4.012	**10-3095**
1.102	0.2369	3.807	**10-1746**
1.102	0.2580	4.132	**10-10414**
1.102	0.2580	4.171	**10-10196**
1.102	0.2732	3.866	**10-10355S**
1.102	0.2737	5.059	**10-2180**
1.103	0.2148	4.037	**10-10435**
1.103	0.2350	3.997	**10-10235**
1.104	0.2335	3.678	**10-2054**
1.106	0.2348	3.835	**10-03004**
1.107	0.235	3.911	**10-30128**
1.110	0.2345	3.614	**10-10812**
1.110	0.235	4.205	**10-30112**
1.114	0.2137	3.813	**10-13429**
1.116	0.2134	3.837	**10-13497**
1.120	0.2329	4.324	**10-2035**
1.120	0.2330	4.325	**10-2009**
1.120	0.2756	4.108	**10-2235**
1.122	0.214	4.219	**10-30841**
1.122	0.2349	4.028	**10-13356**
1.122	0.2350	4.283	**10-30846**
1.124	0.2345	3.999	**10-2247**
1.125	0.235	4.172	**10-30844**
1.130	0.2328	4.614	**10-1742**
1.130	0.2329	4.614	**10-1992**
1.130	0.274	4.095	**10-13073**
1.133	0.196	4.161	**10-13323**
1.139	0.2142	4.287	**10-03036**
1.140	0.2350	4.019	**10-10326S**
1.140	0.236	4.094	**10-10815**
1.140	0.2362	4.252	**10-13476**
1.141	0.2320	4.258	**10-1937**
1.141	0.2750	4.120	**10-09832**
1.142	0.2148	4.496	**10-10542**
1.142	0.2148	4.862	**10-10198**
1.142	0.2150	4.728	**10-13402**
1.142	0.2159	4.526	**10-10190**
1.142	0.2335	3.568	**10-1706**
1.142	0.234	4.071	**10-30816**
1.142	0.2340	3.633	**10-2040S**
1.142	0.2342	4.497	**10-10535**
1.142	0.2344	4.073	**10-10740**
1.142	0.2345	4.073	**10-13442**
1.142	0.2349	4.470	**10-10259**
1.142	0.2579	4.044	**10-10207**
1.142	0.2722	4.959	**10-1713**
1.142	0.3137	3.934	**10-10308**
1.146	0.236	3.614	**10-3065**
1.1480	0.2151	4.169	**10-13191**
1.149	0.2154	3.630	**10-10516**
1.150	0.2154	3.783	**10-13038**
1.158	0.274	4.433	**10-30117**
1.160	0.215	4.165	**10-13089**
1.161	0.2155	3.982	**10-10799**
1.161	0.235	3.963	**10-30110**
1.161	0.2350	4.088	**10-10512**
1.161	0.2738	5.138	**10-13183**
1.164	0.2343	4.081	**10-10285S**
1.169	0.196	3.740	**10-13324**
1.173	0.2730	4.806	**10-13445**
1.175	0.2745	4.045	**10-3075**
1.177	0.2345	4.090	**10-10803S**
1.177	0.2345	4.091	**10-10805S**
1.177	0.236	3.736	**10-3183**
1.177	0.3510	4.404	**10-09561**
1.180	0.2350	3.816	**10-10168S**
1.180	0.2591	4.747	**10-10192**
1.180	0.273	4.467	**10-30123**
1.181	0.196	3.819	**10-13321**
1.181	0.2148	4.291	**10-03032**
1.181	0.2148	4.496	**10-10779**
1.181	0.215	4.120	**10-13481**
1.181	0.2150	4.120	**10-2007**
1.181	0.2153	3.632	**10-10224**
1.181	0.2155	4.668	**10-10524**
1.181	0.2340	3.909	**10-10795**
1.181	0.2346	4.546	**10-1788**
1.181	0.2347	3.955	**10-10503**
1.181	0.2347	4.396	**10-13462**
1.181	0.2347	4.551	**10-13264**
1.181	0.2349	3.635	**10-10310**
1.181	0.235	4.742	**10-30838**
1.181	0.235	4.742	**10-30837**
1.181	0.2352	4.120	**10-13306**
1.181	0.2354	3.597	**10-10314**
1.181	0.2354	4.338	**10-10498**
1.181	0.2580	3.973	**10-10097**
1.181	0.2733	4.447	**10-10113S**
1.181	0.2736	4.509	**10-10302**
1.181	0.2736	4.648	**10-10252**

VALVE PROGRESSIVE SIZE LISTING BY HEAD DIAMETER

Head Dia.	Stem Dia.	Length	QC #
1.181	0.2738	4.510	**10-10102S**
1.181	0.2740	4.578	**10-1708**
1.181	0.3420	4.280	**10-09542**
1.182	0.2743	4.311	**10-1674**
1.183	0.273	4.234	**10-3201**
1.185	0.2340	3.975	**10-2010S**
1.185	0.2735	4.569	**10-10256**
1.1850	0.1956	3.892	**10-13455**
1.1860	0.2350	3.898	**10-13453**
1.188	0.215	3.769	**10-30834**
1.189	0.235	4.024	**10-13313**
1.189	0.235	5.364	**10-13311**
1.189	0.2740	4.095	**10-2234**
1.193	0.195	3.697	**10-30854**
1.193	0.2345	4.032	**10-2249**
1.193	0.236	4.291	**10-13222**
1.195	0.2349	3.730	**10-13221**
1.195	0.2748	5.242	**10-13266**
1.196	0.2750	4.039	**10-3074**
1.197	0.197	3.524	**10-3224**
1.198	0.2343	4.160	**10-10696S**
1.198	0.2737	4.184	**10-10730S**
1.199	0.2344	3.890	**10-3181**
1.199	0.2344	3.890	**10-3181S**
1.199	0.2346	4.045	**10-30107S**
1.199	0.2346	4.045	**10-30107**
1.199	0.2576	4.153	**10-10501**
1.200	0.2142	3.884	**10-13216**
1.200	0.2145	4.063	**10-3047**
1.200	0.2345	4.469	**10-3081**
1.201	0.2147	4.142	**10-13260**
1.201	0.2328	4.324	**10-1731**
1.201	0.2343	4.246	**10-1999**
1.201	0.2351	4.091	**10-10474**
1.201	0.2354	3.924	**10-10176**
1.201	0.2575	4.319	**10-10128**
1.205	0.1957	3.514	**10-2241**
1.205	0.2344	3.748	**10-13212**
1.205	0.2344	3.824	**10-13335**
1.206	0.2347	3.856	**10-13080**
1.215	0.1952	3.989	**10-2193**
1.216	0.2745	4.130	**10-30168**
1.217	0.2350	4.747	**10-10248**
1.217	0.2591	4.157	**10-10122**
1.220	0.2148	4.280	**10-13359**
1.220	0.2151	4.156	**10-13287**
1.220	0.2155	3.756	**10-13226**
1.220	0.2155	3.756	**10-13345S**
1.220	0.2170	3.492	**10-10780**
1.220	0.234	3.994	**10-30121**
1.220	0.234	4.060	**10-30118**
1.220	0.2346	4.272	**10-13295**
1.220	0.2350	3.508	**10-10257**
1.220	0.2350	4.242	**10-10570**
1.220	0.2352	3.636	**10-10311**
1.220	0.2354	4.148	**10-10157**
1.220	0.2730	4.963	**10-2176**
1.220	0.2737T	4.967	**10-13470**
1.220	0.2739	3.970	**10-10262S**
1.220	0.2740	4.140	**10-10104**
1.220	0.2745	4.212	**10-10106**
1.220	0.2750	3.996	**10-10183**
1.220	0.3126	4.028	**10-10083**
1.221	0.2354	3.445	**10-10506**
1.224	0.2592	4.155	**10-10742**
1.225	0.196	4.004	**10-13233**
1.226	0.1955	4.613	**10-3401**
1.227	0.1950	3.994	**10-3046**
1.228	0.196	4.480	**10-30850**
1.229	0.2335	4.188	**10-1739**
1.232	0.1958	4.032	**10-13342**
1.232	0.2344	3.744	**10-10538**
1.232	0.2352	4.087	**10-30126**
1.232	0.2736	3.892	**10-10227S**
1.232	0.2736	3.896	**10-10793S**
1.234	0.2745	3.812	**10-2182S**
1.236	0.234	3.702	**10-03030**
1.237	0.274	3.532	**10-3079**
1.238	0.2733	3.813	**10-10732S**
1.238	0.2739	3.504	**10-13338S**
1.238	0.2745	4.309	**10-1727**
1.239	0.2340	4.790	**10-10807**
1.240	0.215	3.669	**10-30100**
1.240	0.2154	4.200	**10-3089**
1.240	0.2344	3.958	**10-13468**
1.240	0.2350	3.534	**10-10562**
1.240	0.2362	4.051	**10-2196**
1.240	0.3125	3.815	**10-3077**
1.244	0.2346	4.325	**10-13496**
1.244	0.235	4.236	**10-30832**
1.252	0.2165	4.346	**10-03034**
1.252	0.2346	4.272	**10-13449**
1.257	0.2339	4.031	**10-10723**
1.257	0.2349	4.502	**10-10816**
1.258	0.2155	4.345	**10-13087**
1.259	0.2740	4.065	**10-10155**
1.260	0.2147	4.063	**10-13262**
1.260	0.2155	3.485	**10-10735**
1.260	0.2157	4.305	**10-13365**
1.260	0.2161	4.411	**10-10432**
1.260	0.2339	3.906	**10-10548**
1.260	0.2342	4.181	**10-13140S**
1.260	0.2343	4.120	**10-13203S**
1.260	0.2344	3.870	**10-10549**
1.260	0.2345	4.468	**10-13350**
1.260	0.2346	4.315	**10-13488**
1.260	0.2347	4.020	**10-10784**
1.260	0.2350	3.781	**10-10808**
1.260	0.2350	3.860	**10-10337**
1.260	0.2351	3.698	**10-10550**
1.260	0.2351	3.842	**10-10421**
1.260	0.2356	4.520	**10-1728**
1.260	0.2362	4.248	**10-13475**
1.260	0.2376	3.823	**10-1745**
1.260	0.2583	4.481	**10-10189**
1.260	0.2739	4.100	**10-1702**
1.260	0.274	4.470	**10-30122**
1.260	0.3131	4.616	**10-10280S**
1.262	0.2340	4.403	**10-3083**
1.264	0.2745	3.760	**10-10353S**
1.269	0.3153	4.162	**10-1300**
1.269	0.3183	4.162	**10-1300+3**
1.272	0.2349	3.797	**10-1949**
1.272	0.2738	3.996	**10-10520**
1.273	0.235	4.722	**10-30839**
1.273	0.2353	4.093	**10-3096**
1.274	0.235	4.722	**10-30840**
1.278	0.2736	4.506	**10-10173**
1.278	0.2736	4.506	**10-10173S**
1.280	0.2142	4.242	**10-13428**
1.280	0.2156	4.073	**10-13480**
1.280	0.2344	3.976	**10-10299**
1.280	0.2747	4.559	**10-10162**
1.281	0.3138	4.383	**10-10131S**
1.287	0.2153	4.303	**10-3002**
1.295	0.2742	3.585	**10-10734S**
1.297	0.3162	4.206	**10-10060S**
1.299	0.215	4.030	**10-30104**
1.299	0.2157	4.033	**10-10434**
1.299	0.2348	4.424	**10-10534**
1.299	0.2349	4.177	**10-10695**
1.299	0.235	3.685	**10-13197**
1.299	0.2350	3.396	**10-10786**
1.299	0.2354	3.786	**10-10332S**
1.299	0.2576	3.981	**10-10497**
1.299	0.2581	4.576	**10-10260S**
1.299	0.2594	4.110	**10-10195**
1.299	0.2738	4.975	**10-2175**
1.299	0.2738	4.976	**10-13469**
1.299	0.2744	4.773	**10-10245**
1.299	0.2750	4.892	**10-2015**
1.299	0.2755	4.907	**10-2014**
1.299	0.2756	4.893	**10-13161**
1.299	0.2756	4.893	**10-13006**
1.299	0.2760	4.134	**10-09816**
1.299	0.3130	3.877	**10-09599**
1.299	0.3130	4.396	**10-09560**
1.299	0.3136	4.032	**10-10286S**
1.299	0.3405	4.729	**10-1558**
1.299	0.3414	4.729	**10-1463**
1.300	0.2735	4.237	**10-3200**
1.300	0.3423	4.680	**10-1322**
1.305	0.3127	3.591	**10-10356S**
1.307	0.235	4.040	**10-13312**
1.307	0.2354	5.370	**10-13310**
1.307	0.3413	4.730	**10-1394**
1.307	0.3443	4.730	**10-1394+3**
1.307	0.3563	4.730	**10-1394+15**
1.307	0.3713	4.730	**10-1394+30**
1.308	0.2335	4.169	**10-1707**
1.309	0.2340	4.513	**10-1991**
1.309	0.2340	4.525	**10-1741**
1.312	0.2746	4.435	**10-10243**
1.317	0.2155	4.337	**10-03035**
1.318	0.2350	4.054	**10-10324S**
1.319	0.2350	3.959	**10-10325**
1.319	0.2354	3.882	**10-10518**
1.322	0.274	4.245	**10-30148**
1.323	0.2343	4.252	**10-13046**
1.328	0.339	5.198	**10-210**
1.331	0.2340	4.257	**10-1920**
1.331	0.235	4.094	**10-3094**
1.331	0.2356	4.618	**10-2118S**
1.331	0.2356	4.618	**10-2118**
1.331	0.2748	5.242	**10-13265**
1.332	0.2740	5.730	**10-1802**
1.333	0.2354	4.094	**10-13314**
1.336	0.236	4.382	**10-3080**
1.337	0.214	3.906	**10-30842**
1.337	0.2154	4.185	**10-13398**
1.337	0.2154	4.187	**10-3086**
1.337	0.236	4.325	**10-3103**

VALVE PROGRESSIVE SIZE LISTING BY HEAD DIAMETER

Head Dia.	Stem Dia.	Length	QC #
1.337	0.3120	4.301	**10-10093**
1.338	0.2347	4.088	**10-10739**
1.338	0.3127	5.069	**10-3188**
1.338	0.313	5.106	**10-3186**
1.339	0.2153	4.392	**10-2177**
1.339	0.2156	3.758	**10-10552**
1.339	0.2156	4.004	**10-10798**
1.339	0.2161	4.411	**10-10197**
1.339	0.2161	4.567	**10-10541**
1.339	0.2348	3.898	**10-10502**
1.339	0.2350	3.872	**10-10794**
1.339	0.2352	3.991	**10-10228**
1.339	0.2353	3.743	**10-10305**
1.339	0.2354	4.060	**10-10284**
1.339	0.2587	4.321	**10-10126**
1.339	0.2592	4.080	**10-10206**
1.339	0.2730	5.475	**10-10523**
1.339	0.2737	4.622	**10-1698S**
1.339	0.2737	4.622	**10-1698**
1.339	0.2737	5.058	**10-2179**
1.339	0.2738	5.138	**10-13182**
1.339	0.2745	4.575	**10-10163**
1.339	0.2745	4.575	**10-10164**
1.339	0.2745	4.780	**10-10273**
1.339	0.2750	4.459	**10-10082**
1.339	0.2887	4.622	**10-1698+15**
1.339	0.3115	4.560	**10-10217**
1.339	0.3122	5.379	**10-10416**
1.339	0.3125	3.763	**10-10140**
1.339	0.3152	5.272	**10-1545**
1.340	0.2580	4.020	**10-10098**
1.346	0.2737	4.211	**10-10557S**
1.347	0.2335	4.408	**10-2076**
1.354	0.2155	3.737	**10-10737**
1.358	0.235	3.907	**10-3190**
1.360	0.3153	4.098	**10-10388**
1.360	0.3183	4.098	**10-10388+3**
1.360	0.3303	4.098	**10-10388+15**
1.360	0.3715	4.796	**10-1265**
1.360	0.3765	4.796	**10-1265+5**
1.360	0.4015	4.796	**10-1265+30**
1.366	0.2350	4.536	**10-10247**
1.369	0.2740	4.615	**10-2047**
1.370	0.2340	4.398	**10-2008**
1.370	0.2340	4.399	**10-1730**
1.371	0.3125	4.615	**10-1535**
1.375	0.2588	4.186	**10-10500**
1.375	0.3407	4.643	**10-976**
1.376	0.2730	4.762	**10-10193**
1.376	0.3124	4.394	**10-10064**
1.377	0.2748	4.456	**10-10112**
1.378	0.2148	4.295	**10-03031**
1.378	0.2150	4.070	**10-3048**
1.378	0.2151	3.313	**10-10169**
1.378	0.2151	3.925	**10-13259**
1.378	0.2154	4.456	**10-13190**
1.378	0.2156	4.073	**10-2006**
1.378	0.2160	4.567	**10-10778**
1.378	0.2350	3.818	**10-10167**
1.378	0.2354	4.071	**10-13305**
1.378	0.2356	4.510	**10-1787**
1.378	0.2733	4.516	**10-1712**
1.378	0.2883	4.516	**10-1712+15**
1.378	0.3126	4.012	**10-10148**
1.378	0.3126	4.042	**10-10625**
1.378	0.3126	4.277	**10-10142**
1.378	0.3130	4.537	**10-10278S**
1.378	0.3133	4.730	**10-1465**
1.378	0.3136	4.193	**10-1485S**
1.378	0.3140	4.103	**10-10340**
1.378	0.3163	4.730	**10-1465+3**
1.380	0.2586	4.000	**10-10136**
1.380	0.3413T	4.920	**10-1371**
1.380	0.3414	4.807	**10-1527**
1.380	0.3444	4.807	**10-1527+3**
1.380	0.3564	4.807	**10-1527+15**
1.380	0.3713T	4.920	**10-1371+30**
1.381	0.2737	4.261	**10-10271**
1.382	0.2348	4.026	**10-1997**
1.382	0.2348	4.026	**10-13293**
1.382	0.3130	4.264	**10-09572**
1.382	0.3137	4.901	**10-10282**
1.384	0.2348	3.985	**10-13211**
1.390	0.3101	4.260	**10-1266**
1.390	0.3131	4.260	**10-1266+3**
1.390	0.3251	4.260	**10-1266+15**
1.390	0.3401	4.260	**10-1266+30**
1.394	0.3116T	4.442	**10-1448**
1.394	0.3117T	4.522	**10-1552**
1.394	0.3117T	4.523	**10-1554**
1.396	0.2333	4.227	**10-1941**
1.398	0.2152	3.960	**10-13215**
1.398	0.2722	5.023	**10-1994**
1.400	0.2351	3.846	**10-3180S**
1.400	0.2351	3.846	**10-3180**
1.402	0.2165	4.354	**10-03033**
1.402	0.3120	4.650	**10-30152**
1.404	0.2350	4.004	**10-30106**
1.404	0.2350	4.004	**10-30106S**
1.405	0.2349	3.815	**10-13079**
1.406	0.3720T	4.892	**10-549**
1.406	0.3720T	4.892	**10-1441**
1.406	0.3721T	4.892	**10-1325**
1.406	0.3751T	4.892	**10-1325+3**
1.406	0.3871T	4.892	**10-1325+15**
1.406	0.4021T	4.892	**10-1325+30**
1.407	0.3405	4.905	**10-185**
1.410	0.3410	4.973	**10-09538**
1.410	0.3425	4.973	**10-09538+15**
1.413	0.3123	4.340	**10-10220S**
1.415	0.2154	4.135	**10-13286**
1.415	0.2726	4.035	**10-10374S**
1.415	0.2742	4.140	**10-10105**
1.415	0.2748	3.524	**10-13337**
1.416	0.3138	4.290	**10-10071**
1.416	0.3138	4.451	**10-10024S**
1.417	0.215	4.075	**10-13261**
1.417	0.2154	4.299	**10-13401**
1.417	0.2155	5.004	**10-13400**
1.417	0.2157	4.283	**10-13358**
1.417	0.216	4.113	**10-30532**
1.417	0.2165	4.606	**10-13336**
1.417	0.2344	4.760	**10-10806**
1.417	0.2345	4.110	**10-13201**
1.417	0.2346	4.169	**10-13139S**
1.417	0.2738	4.550	**10-10103**
1.417	0.2740	4.681	**10-1925**
1.417	0.2743	4.482	**10-10244**
1.417	0.2745	3.540	**10-3078**
1.417	0.2746	4.212	**10-10107**
1.417	0.2750	4.456	**10-10115**
1.417	0.3137	3.933	**10-10307**
1.417	0.3140	3.815	**10-3076**
1.417	0.3140	4.272	**10-10323**
1.417	0.3153	4.137	**10-10386**
1.417	0.3162	4.397	**10-10237**
1.418	0.2740	4.681	**10-1925S**
1.418	0.3303	4.138	**10-10386+15**
1.419	0.3139	4.483	**10-10037**
1.425	0.3132	4.736	**10-1811**
1.425	0.3132	4.757	**10-2173**
1.425	0.3136	4.736	**10-1560**
1.425	0.3162	4.736	**10-1811+3**
1.425	0.3166	4.736	**10-1560+3**
1.425	0.3282	4.736	**10-1811+15**
1.425	0.3286	4.736	**10-1560+15**
1.425	0.3408	4.698	**10-1352**
1.425	0.3413	4.736	**10-1480**
1.425	0.3443	4.736	**10-1480+3**
1.425	0.3563	4.736	**10-1480+15**
1.426	0.2335	4.408	**10-2053**
1.436	0.216	4.210	**10-13088**
1.437	0.2348	3.776	**10-13441**
1.437	0.2352	4.303	**10-13349**
1.437	0.2734	4.516	**10-1901**
1.437	0.2742	4.091	**10-1703**
1.437	0.2748	4.325	**10-1726**
1.437	0.2750	4.102	**10-10116**
1.437	0.313	4.581	**10-30146**
1.438	0.2340	4.348	**10-3082**
1.441	0.2740	3.986	**10-10792**
1.441	0.2743	3.989	**10-10226**
1.441	0.2744	4.550	**10-10172**
1.443	0.2745	3.910	**10-2181**
1.449	0.2352	3.825	**10-13220**
1.449	0.274	4.470	**10-30116**
1.450	0.3420	4.863	**10-742**
1.450	0.3450	4.863	**10-742+3**
1.450	0.3570	4.863	**10-742+15**
1.450	0.3720	4.863	**10-742+30**
1.451	0.3414	4.942	**10-1537**
1.451	0.3414	5.070	**10-1135**
1.451	0.3415	4.873	**10-1000**
1.451	0.3444	4.942	**10-1537+3**
1.451	0.3444	5.070	**10-1135+3**
1.451	0.3564	4.942	**10-1537+15**
1.451	0.3564	5.070	**10-1135+15**
1.451	0.3565	4.873	**10-1000+15**
1.451	0.3714	5.070	**10-1135+30**
1.453	0.3123	4.260	**10-10221S**
1.456	0.2750	5.337	**10-1709**
1.456	0.3120	5.520	**10-13464**
1.457	0.2161	3.841	**10-13225**
1.457	0.2347	4.160	**10-1998**
1.457	0.2348	3.988	**10-13334**
1.457	0.2356	4.719	**10-13294**
1.457	0.2722	4.528	**10-1919**
1.457	0.2722	4.541	**10-13252**
1.457	0.2738	5.000	**10-1903**
1.457	0.2738	5.142	**10-1737+3**
1.457	0.2738	5.142	**10-1737**
1.457	0.2747	4.674	**10-10251**

VALVE PROGRESSIVE SIZE LISTING BY HEAD DIAMETER

Head Dia.	Stem Dia.	Length	QC #
1.457	0.2768	5.000	**10-1903+3**
1.457	0.2888	5.000	**10-1903+15**
1.457	0.2888	5.142	**10-1737+15**
1.457	0.3120	5.128	**10-13122**
1.457	0.3130	5.530	**10-13463**
1.457	0.3132	5.165	**10-1568**
1.457	0.3132	5.165	**10-1704**
1.457	0.3138	4.420	**10-10330**
1.457	0.3152	5.189	**10-1451**
1.457	0.3154	5.119	**10-1936**
1.457	0.3162	5.165	**10-1568+3**
1.457	0.3282	5.165	**10-1568+15**
1.460	0.2744	4.586	**10-10255**
1.460	0.3414	4.845	**10-1469**
1.460	0.3414	5.070	**10-1327**
1.460	0.3434	4.845	**10-1469+3**
1.460	0.3564	4.845	**10-1469+15**
1.460	0.3564	5.070	**10-1327+15**
1.461	0.2740	4.845	**10-1791**
1.461	0.3130	5.140	**10-13121**
1.462	0.3141	4.089	**10-10031**
1.465	0.235	3.798	**10-03029**
1.467	0.2356	4.722	**10-13489**
1.468	0.3715	5.810	**10-121**
1.468	0.3715	5.913	**10-303**
1.476	0.215	4.186	**10-3088**
1.476	0.2346	4.583	**10-2119**
1.476	0.2346	4.583	**10-2265**
1.476	0.2352	4.073	**10-10321**
1.476	0.2356	4.783	**10-13495**
1.476	0.274	4.256	**10-30147**
1.476	0.2740	4.065	**10-10154**
1.476	0.3116	4.974	**10-1670**
1.476	0.3116	5.045	**10-1905**
1.476	0.3513	5.030	**10-10726**
1.476	0.3514	5.028	**10-10728S**
1.478	0.3142	4.922	**10-10069**
1.484	0.2356	4.744	**10-13487**
1.490	0.3408	4.727	**10-1710**
1.490	0.3558	4.727	**10-1710+15**
1.493	0.3120	4.170	**10-10146S**
1.493	0.3125	4.170	**10-10146**
1.495	0.2156	4.165	**10-13086**
1.495	0.2350	4.243	**10-10569**
1.495	0.3125	4.252	**10-10091S**
1.496	0.234	3.994	**10-30120**
1.496	0.276	4.113	**10-30167**
1.496	0.3123	6.006	**10-3189**
1.496	0.3126	4.141	**10-10144**
1.496	0.3130	3.885	**10-09658**
1.496	0.3160	4.824	**10-10246S**
1.496	0.3405	4.713	**10-1593**
1.496	0.3718T	5.108	**10-1482S**
1.498	0.2756	3.979	**10-10182**
1.500	0.2740	4.807	**10-1744**
1.500	0.2770	4.807	**10-1744+3**
1.500	0.2890	4.807	**10-1744+15**
1.500	0.3108	4.939	**10-1917**
1.500	0.3115T	4.939	**10-1478**
1.500	0.3115T	4.940	**10-1556**
1.500	0.3130	4.940	**10-10269**
1.500	0.3132T	4.355	**10-1550**
1.500	0.3133T	4.541	**10-1591**
1.500	0.3138	4.939	**10-1917+3**
1.500	0.3145T	4.939	**10-1478+3**
1.500	0.3145T	4.940	**10-1556+3**
1.500	0.3163T	4.541	**10-1591+3**
1.500	0.3258	4.939	**10-1917+15**
1.500	0.3265T	4.939	**10-1478+15**
1.500	0.3265T	4.940	**10-1556+15**
1.500	0.3283T	4.541	**10-1591+15**
1.500	0.3408	4.718	**10-1389**
1.500	0.3408	4.718	**10-1387**
1.500	0.3412T	4.928	**10-400**
1.500	0.3413T	4.920	**10-1807S**
1.500	0.3413T	4.920	**10-1807**
1.500	0.3413T	4.923	**10-1206S**
1.500	0.3414	4.787	**10-1597**
1.500	0.3414T	4.928	**10-1192**
1.500	0.3415	4.620	**10-1437**
1.500	0.3415T	4.940	**10-1556+30**
1.500	0.3438	4.718	**10-1389+3**
1.500	0.3438	4.718	**10-1387+3**
1.500	0.3444	4.787	**10-1597+3**
1.500	0.3445T	4.928	**10-400+3**
1.500	0.3558	4.718	**10-1389+15**
1.500	0.3558	4.718	**10-1387+15**
1.500	0.3562T	4.928	**10-1192+15**
1.500	0.3562T	4.928	**10-400+15**
1.500	0.3564	4.787	**10-1597+15**
1.500	0.3565	4.620	**10-1437+15**
1.500	0.3708	4.718	**10-1389+30**
1.500	0.3712T	4.928	**10-400+30**
1.500	0.3715	4.620	**10-1437+30**
1.500	0.3715	4.983	**10-1399**
1.500	0.3715	5.003	**10-1329**
1.500	0.3718T	4.923	**10-1294S**
1.500	0.3718T	4.923	**10-1294**
1.500	0.3719	4.923	**10-1646S**
1.500	0.3725	5.027	**10-1188**
1.500	0.3748T	4.923	**10-1294+3**
1.500	0.3769	5.003	**10-1329+5**
1.500	0.3865	4.983	**10-1399+15**
1.500	0.3865	5.003	**10-1329+15**
1.500	0.3868T	4.923	**10-1294+15**
1.500	0.4018T	4.925	**10-1294+30**
1.500	0.4019	5.003	**10-1329+30**
1.500	0.4335	5.690	**10-576**
1.500	0.4335	5.690	**10-1017**
1.500	0.4335	5.690	**10-1017S**
1.502	0.3423	4.688	**10-1354**
1.505	0.4343	5.373	**10-917**
1.505	0.4373	5.373	**10-917+3**
1.505	0.4493	5.373	**10-917+15**
1.505	0.4643	5.373	**10-917+30**
1.508	0.3704	5.373	**10-1332**
1.508	0.3734	5.373	**10-1332+3**
1.508	0.3854	5.373	**10-1332+15**
1.510	0.2346	3.962	**10-13333**
1.510	0.3410	4.819	**10-212**
1.510	0.3418	5.089	**10-375**
1.510	0.3448	5.089	**10-375+3**
1.510	0.3718	5.089	**10-375+30**
1.517	0.3715	4.996	**10-1312S**
1.517	0.3716	4.995	**10-1419**
1.520	0.3132	4.713	**10-1735**
1.520	0.3406	5.177	**10-211**
1.522	0.3428	4.667	**10-1323**
1.523	0.3135	4.803	**10-13044**
1.525	0.2347	4.165	**10-13179**
1.531	0.3405	4.845	**10-349**
1.531	0.3555	4.845	**10-349+15**
1.531	0.3727	5.810	**10-122**
1.533	0.314	4.582	**10-30145**
1.535	0.2350	4.311	**10-13461**
1.535	0.2350	4.588	**10-13263**
1.535	0.2739	4.524	**10-1914**
1.535	0.3163	5.383	**10-1546**
1.535	0.3416	4.823	**10-1464**
1.535	0.3417	4.823	**10-1559**
1.535	0.3718T	5.112	**10-1780S**
1.541	0.3415	5.070	**10-1237**
1.541	0.3445	5.070	**10-1237+3**
1.541	0.3565	5.070	**10-1237+15**
1.541	0.3715	5.070	**10-1237+30**
1.550	0.3136	4.915	**10-1935**
1.550	0.3136	4.915	**10-1935S**
1.550	0.3726	5.016	**10-1320**
1.551	0.2348	4.186	**10-13467**
1.551	0.3126	4.844	**10-2220**
1.551	0.3126	4.915	**10-2045**
1.552	0.3126	5.139	**10-13195**
1.553	0.3510	5.154	**10-30158**
1.555	0.2756	3.618	**10-10733**
1.555	0.3136	5.207	**10-13433**
1.559	0.3715	5.436	**10-1242**
1.559	0.3745	5.436	**10-1242+3**
1.559	0.3865	5.436	**10-1242+15**
1.559	0.4015	5.436	**10-1242+30**
1.560	0.3419	4.810	**10-1358**
1.560	0.3420	4.750	**10-1504**
1.560	0.3420	4.750	**10-1504S**
1.560	0.3420	4.810	**10-965S**
1.560	0.3449	4.810	**10-1358+3**
1.560	0.3450	4.750	**10-1504+3**
1.560	0.3569	4.810	**10-1358+15**
1.560	0.3570	4.750	**10-1504+15**
1.560	0.3570	4.810	**10-965S+15**
1.560	0.3719	4.810	**10-1358+30**
1.562	0.3422	4.728	**10-970**
1.562	0.3704	4.954	**10-1381**
1.562	0.3734	4.954	**10-1381+3**
1.562	0.3854	4.954	**10-1381+15**
1.563	0.3715	4.539	**10-518**
1.570	0.2755	4.035	**10-10375**
1.570	0.3165	4.158	**10-1285**
1.570	0.3195	4.158	**10-1285+3**
1.571	0.3138	5.118	**10-3187**
1.574	0.2737	5.469	**10-10522**
1.575	0.3125	4.560	**10-10216**
1.575	0.3130	4.820	**10-10274S**
1.575	0.3131	5.378	**10-10415**
1.575	0.3135	3.886	**10-10351**
1.575	0.3140	4.262	**10-10322**
1.578	0.2744	4.208	**10-10272**
1.579	0.3130	4.650	**10-30151**
1.579	0.3138	3.596	**10-10350S**
1.579	0.3140	4.256	**10-09571**
1.587	0.3136	4.914	**10-13440**
1.588	0.3125	4.353	**10-10094**
1.589	0.3136	4.914	**10-13241S**
1.591	0.3136	4.915	**10-13042**

VALVE PROGRESSIVE SIZE LISTING BY HEAD DIAMETER

Head Dia.	Stem Dia.	Length	QC #
1.594	0.313	5.201	**10-30815**
1.595	0.3125	4.921	**10-13207**
1.595	0.3719	5.670	**10-1754**
1.595	0.3720T	5.677	**10-1542**
1.598	0.3127	4.419	**10-1449**
1.598	0.3128	4.499	**10-1555**
1.598	0.3677	4.419	**10-1449+15**
1.599	0.3122	4.499	**10-1553**
1.600	0.234	4.298	**10-3102**
1.600	0.3136	4.700	**10-1466**
1.600	0.3166	4.700	**10-1466+3**
1.600	0.3413	4.700	**10-1395**
1.600	0.3413	4.880	**10-1372**
1.600	0.3415	4.904	**10-919**
1.600	0.3443	4.700	**10-1395+3**
1.600	0.3563	4.700	**10-1395+15**
1.600	0.3563	4.880	**10-1372+15**
1.600	0.3713	4.700	**10-1395+30**
1.600	0.3715	5.006	**10-1309**
1.600	0.3715	5.006	**10-1307**
1.600	0.3725T	4.889	**10-520**
1.600	0.3765	5.006	**10-1307+5**
1.600	0.3865	5.006	**10-1307+15**
1.600	0.4015	5.006	**10-1307+30**
1.610	0.3419	4.787	**10-1528**
1.610	0.3449	4.787	**10-1528+3**
1.610	0.3569	4.787	**10-1528+15**
1.614	0.3141	4.457	**10-10018**
1.614	0.3143	4.193	**10-1486**
1.614	0.3173	4.193	**10-1486+3**
1.614	0.3293	4.193	**10-1486+15**
1.615	0.3139	4.288	**10-10072**
1.617	0.2744	4.224	**10-10270**
1.617	0.3716	4.995	**10-1417**
1.617	0.3766	4.995	**10-1417+5**
1.617	0.3866	4.995	**10-1417+15**
1.620	0.3725	4.774	**10-567**
1.620	0.3775	4.774	**10-567+5**
1.620	0.3875	4.774	**10-567+15**
1.620	0.4025	4.774	**10-567+30**
1.622	0.3423	4.675	**10-1324**
1.624	0.3115	4.920	**10-1715**
1.624	0.3145T	4.920	**10-1715+3**
1.624	0.3265T	4.920	**10-1715+15**
1.624	0.3422	4.695	**10-974**
1.625	0.3385	5.158	**10-1189**
1.625	0.3410	4.643	**10-975**
1.625	0.3418	5.246	**10-1083**
1.625	0.3720T	4.917	**10-1047**
1.640	0.3410	4.877	**10-1072**
1.641	0.3412	6.283	**10-199**
1.645	0.2760	4.100	**10-10213**
1.647	0.3420	5.090	**10-376**
1.647	0.3720	5.090	**10-376+30**
1.651	0.2743	4.035	**10-10373**
1.651	0.3103	4.260	**10-1268**
1.651	0.3133	4.260	**10-1268+3**
1.651	0.3403	4.260	**10-1268+30**
1.653	0.3719T	5.108	**10-1483S**
1.654	0.312	5.012	**10-30822**
1.654	0.3122	5.348	**10-13291S**
1.654	0.3122	5.348	**10-13289**
1.654	0.3137	3.866	**10-10139**
1.654	0.3137	5.081	**10-1862**
1.654	0.3138	5.081	**10-1664**
1.654	0.3140	4.101	**10-10339S**
1.654	0.3163	5.306	**10-1452**
1.654	0.3419	4.983	**10-1271**
1.654	0.3420	5.080	**10-1102**
1.654	0.3421	4.984	**10-1547**
1.654	0.3449	4.983	**10-1271+3**
1.654	0.3450	5.080	**10-1102+3**
1.654	0.3451	4.983	**10-1547+3**
1.654	0.3514	5.535	**10-30156**
1.654	0.3515	5.531	**10-30848**
1.654	0.3569	4.983	**10-1547+15**
1.654	0.3570	5.080	**10-1102+15**
1.655	0.3414	5.050	**10-1367**
1.655	0.342	5.050	**10-1169**
1.655	0.357	5.050	**10-1169+15**
1.656	0.3161	4.258	**10-10061**
1.656	0.3163	4.134	**10-10385**
1.656	0.3193	4.134	**10-10385+3**
1.657	0.2744	4.945	**10-10281**
1.658	0.3140	4.899	**10-10268**
1.660	0.3410	4.959	**10-1245**
1.660	0.3715	5.368	**10-1153**
1.660	0.3716	5.367	**10-1235S**
1.660	0.3716	5.367	**10-21235S**
1.660	0.3718	5.367	**10-996S**
1.660	0.3730	5.368	**10-1153+15**
1.660	0.3868	5.367	**10-996S+15**
1.661	0.2750	4.637	**10-2046**
1.661	0.3130	4.615	**10-1536**
1.661	0.3130	4.615	**10-1536+3**
1.663	0.3130	4.357	**10-10218**
1.670	0.3120	5.690	**10-13512**
1.673	0.3130	4.315	**10-10087**
1.680	0.3122	5.799	**10-1786**
1.680	0.3122	5.805	**10-1785**
1.680	0.3714T	4.910	**10-1326**
1.680	0.3720T	4.930	**10-1257**
1.680	0.3864T	4.910	**10-1326+15**
1.682	0.3419	5.070	**10-1416**
1.682	0.3569	5.070	**10-1416+15**
1.684	0.3423	4.675	**10-1210**
1.689	0.3140	4.432	**10-10065**
1.692	0.3142	4.543	**10-10048**
1.693	0.2760	4.102	**10-10117**
1.693	0.3136	4.323	**10-10141**
1.693	0.3136	5.456	**10-1569**
1.693	0.3137	4.024	**10-10147**
1.693	0.3137	4.054	**10-10624**
1.693	0.3286	5.456	**10-1569+15**
1.693	0.3704	6.160	**10-1758**
1.709	0.3415	5.050	**10-1171**
1.710	0.3407	4.713	**10-1388**
1.710	0.3407	4.726	**10-1711**
1.710	0.3437	4.713	**10-1388+3**
1.710	0.3557	4.713	**10-1388+15**
1.710	0.3707	4.713	**10-1388+30**
1.711	0.3163	4.092	**10-10387**
1.711	0.3193	4.092	**10-10387+3**
1.711	0.3313	4.092	**10-10387+15**
1.718	0.3139	4.713	**10-1810**
1.718	0.3140	4.706	**10-1561**
1.718	0.3170	4.706	**10-1561+3**
1.718	0.3289	4.713	**10-1810+15**
1.718	0.3412	4.705	**10-1481**
1.718	0.3442	4.705	**10-1481+3**
1.718	0.3563	4.705	**10-1481+15**
1.720	0.3135	4.394	**10-1551**
1.720	0.3135	4.591	**10-1592**
1.720	0.3285	4.591	**10-1592+15**
1.720	0.3413	4.917	**10-1193**
1.720	0.3413	4.917	**10-399**
1.720	0.3420	4.917	**10-1194**
1.720	0.3421	4.665	**10-1438**
1.720	0.3443	4.917	**10-399+3**
1.720	0.3569	4.917	**10-399+15**
1.720	0.3571	4.665	**10-1438+15**
1.720	0.3711	5.395	**10-2126S**
1.720	0.3713	4.917	**10-399+30**
1.720	0.3715	5.355	**10-1106**
1.720	0.3716	5.355	**10-1261S**
1.720	0.3716	5.355	**10-1578S**
1.720	0.3716	5.355	**10-1578SP**
1.720	0.3721	4.665	**10-1438+30**
1.732	0.2742	5.465	**10-1736**
1.732	0.2742	5.465	**10-1736+3**
1.732	0.2746	5.285	**10-1902**
1.732	0.2776	5.285	**10-1902+3**
1.732	0.2892	5.465	**10-1736+15**
1.732	0.2896	5.285	**10-1902+15**
1.732	0.3136	5.457	**10-1705**
1.732	0.3139	4.500	**10-10277**
1.732	0.3164	4.405	**10-10236**
1.735	0.2750	4.787	**10-1743**
1.735	0.3419	4.787	**10-1598**
1.735	0.3449	4.787	**10-1598+3**
1.735	0.3569	4.787	**10-1598+15**
1.736	0.3130	4.280	**10-10219**
1.736	0.3163	5.255	**10-2044**
1.740	0.3722T	4.885	**10-1156**
1.750	0.3416	4.975	**10-1434**
1.750	0.3428	4.667	**10-1450**
1.750	0.3578	4.667	**10-1450+15**
1.751	0.3103	4.260	**10-1357**
1.751	0.3133	4.260	**10-1357+3**
1.751	0.3253	4.260	**10-1357+15**
1.751	0.3403	4.260	**10-1357+30**
1.752	0.2750	4.622	**10-1699**
1.752	0.2750	4.622	**10-1699S**
1.752	0.2750	4.752	**10-1924**
1.752	0.2750	4.752	**10-1924S**
1.752	0.2900	4.622	**10-1699+15**
1.753	0.3714	5.393	**10-1349S**
1.753	0.3714	5.393	**10-1057S**
1.753	0.3714	5.393	**10-1057**
1.753	0.3715	5.393	**10-949**
1.753	0.3744	5.393	**10-1057+3**
1.753	0.3864	5.393	**10-1057+15**
1.753	0.3865	5.393	**10-949+15**
1.753	0.4014	5.393	**10-1057+30**
1.760	0.3138	4.684	**10-2172**
1.760	0.3139	4.684	**10-1929**
1.770	0.3134	4.480	**10-10328**
1.770	0.3410	4.975	**10-1160**
1.770	0.3410	5.093	**10-1097**
1.772	0.3138	5.084	**10-1665**
1.772	0.3417	4.799	**10-1594**
1.772	0.3524	5.034	**10-10725**

VALVE PROGRESSIVE SIZE LISTING BY HEAD DIAMETER

Head Dia.	Stem Dia.	Length	QC #
1.780	0.3420	4.810	**10-1120**
1.780	0.3420	4.973	**10-09536**
1.780	0.3421	5.110	**10-373**
1.780	0.3450	4.810	**10-1120+3**
1.780	0.3451	5.110	**10-373+3**
1.780	0.3570	4.810	**10-1120+15**
1.780	0.3571	5.110	**10-373+15**
1.780	0.3720	4.810	**10-1120+30**
1.780	0.3721	5.110	**10-373+30**
1.780	0.3725	4.979	**10-938**
1.780	0.3775	4.979	**10-938+5**
1.780	0.3875	4.979	**10-938+15**
1.780	0.4025	4.979	**10-938+30**
1.781	0.3415	4.873	**10-1001**
1.781	0.3420	4.750	**10-1792**
1.781	0.3420	4.750	**10-1505**
1.781	0.3420	4.810	**10-963**
1.781	0.3420	4.863	**10-947**
1.781	0.3420	5.050	**10-1137**
1.781	0.3445	4.873	**10-1001+3**
1.781	0.3450	4.750	**10-1505+3**
1.781	0.3450	4.810	**10-963+3**
1.781	0.3450	5.050	**10-1137+3**
1.781	0.3570	4.750	**10-1505+15**
1.781	0.3570	4.810	**10-963+15**
1.781	0.3570	4.863	**10-947+15**
1.781	0.3570	5.050	**10-1137+15**
1.781	0.372	4.750	**10-1505+30**
1.781	0.3720	4.810	**10-963+30**
1.781	0.3720	5.050	**10-1137+30**
1.782	0.2750	4.840	**10-1790**
1.782	0.3419	4.840	**10-1470**
1.782	0.3419	5.070	**10-1328**
1.782	0.3420	4.942	**10-1538**
1.782	0.3449	5.070	**10-1328+3**
1.782	0.3450	4.942	**10-1538+3**
1.782	0.3569	4.840	**10-1470+15**
1.782	0.3569	5.070	**10-1328+15**
1.782	0.3570	4.942	**10-1538+15**
1.782	0.3719	5.070	**10-1328+30**
1.784	0.3714	5.147	**10-1384S**
1.784	0.3714	5.147	**10-1382**
1.784	0.3744	5.147	**10-1382+3**
1.784	0.3864	5.147	**10-1382+15**
1.787	0.3720	4.899	**10-1260**
1.787	0.3720	4.899	**10-1442**
1.787	0.3750	4.899	**10-1260+3**
1.787	0.3870	4.899	**10-1260+15**
1.787	0.4020	4.899	**10-1260+30**
1.791	0.3127	4.949	**10-1671**
1.791	0.3128	4.949	**10-1870**
1.791	0.3128	5.021	**10-1904**
1.800	0.3134	4.721	**10-1858**
1.810	0.3134	4.250	**10-10145**
1.810	0.3135	4.331	**10-10092**
1.811	0.2745	4.524	**10-1913**
1.811	0.3137	4.195	**10-10143**
1.811	0.3142	4.917	**10-10070**
1.811	0.3413	5.108	**10-1484**
1.811	0.3725	4.979	**10-1186**
1.811	0.3875	4.979	**10-1186+15**
1.840	0.3412	4.881	**10-1806**
1.840	0.3413	4.912	**10-1393**
1.840	0.3443	4.912	**10-1393+3**
1.840	0.3563	4.912	**10-1393+15**
1.840	0.3713	4.912	**10-1393+30**
1.840	0.3720	5.235	**10-997**
1.840	0.3750	5.235	**10-997+3**
1.840	0.3870	5.235	**10-997+15**
1.840	0.4050	5.235	**10-997+30**
1.842	0.3718	5.742	**10-1694**
1.844	0.3725	4.599	**10-514**
1.846	0.3417	5.079	**10-1238**
1.846	0.3447	5.079	**10-1238+3**
1.846	0.3567	5.079	**10-1238+15**
1.846	0.3717	5.079	**10-1238+30**
1.861	0.2750	4.840	**10-1789**
1.870	0.3136	4.835	**10-13043**
1.870	0.3715	6.160	**10-1757**
1.875	0.3415	6.391	**10-308**
1.875	0.3427	4.740	**10-969**
1.875	0.3428	4.667	**10-1263**
1.875	0.3718	5.355	**10-1131**
1.875	0.3725	5.009	**10-1082**
1.877	0.3719	5.687	**10-1543**
1.880	0.3725	4.981	**10-1180**
1.880	0.3725	5.668	**10-577**
1.880	0.3755	4.981	**10-1180+3**
1.880	0.3775	5.668	**10-577+5**
1.880	0.3875	4.981	**10-1180+15**
1.880	0.4025	4.981	**10-1180+30**
1.890	0.2734	4.969	**10-1993**
1.890	0.3136	4.869	**10-1934S**
1.890	0.3136	4.869	**10-1934**
1.910	0.3110	4.911	**10-1916**
1.910	0.3115	4.912	**10-1557**
1.910	0.3115	4.912	**10-1479**
1.910	0.3140	4.911	**10-1916+3**
1.910	0.3145	4.912	**10-1557+3**
1.910	0.3145	4.912	**10-1479+3**
1.910	0.3260	4.911	**10-1916+15**
1.910	0.3265	4.912	**10-1557+15**
1.910	0.3415	4.912	**10-1557+30**
1.912	0.3518	5.159	**10-30157**
1.915	0.2734	4.481	**10-13251**
1.918	0.2734	4.463	**10-1918**
1.920	0.3115	4.906	**10-1714**
1.920	0.3115	5.728	**10-1781**
1.920	0.3145	4.906	**10-1714+3**
1.920	0.3265	4.906	**10-1714+15**
1.920	0.3411	4.898	**10-958**
1.925	0.3421	5.110	**10-494**
1.929	0.3136	5.211	**10-13432**
1.940	0.3410	4.881	**10-1931**
1.940	0.3414	4.880	**10-1195**
1.940	0.3414	4.880	**10-696**
1.940	0.3444	4.880	**10-696+3**
1.940	0.3444	4.880	**10-1195+3**
1.940	0.3564	4.880	**10-696+15**
1.940	0.3569	4.880	**10-1195+15**
1.940	0.3714	4.880	**10-696+30**
1.940	0.3720	5.230	**10-1087**
1.960	0.3415	4.980	**10-1296**
1.968	0.3413	5.104	**10-1518**
1.976	0.3419	5.197	**10-1548S**
1.976	0.3419	5.197	**10-1548**
1.976	0.3449	5.197	**10-1548S+3**
1.995	0.3427	4.707	**10-1457**
2.000	0.3128	4.929	**10-2103**
2.000	0.3135	4.870	**10-13244**
2.000	0.3136	4.869	**10-2267**
2.000	0.3416	4.985	**10-1293**
2.000	0.3420	5.233	**10-1084**
2.000	0.3725	5.138	**10-1105**
2.000	0.3733	4.791	**10-302**
2.008	0.352	5.551	**10-30155**
2.020	0.3415	4.880	**10-988**
2.025	0.3720	4.899	**10-1258**
2.025	0.3870	4.899	**10-1258+15**
2.027	0.3716	5.440	**10-637**
2.027	0.3746	5.440	**10-637+3**
2.027	0.3766	5.440	**10-637+5**
2.027	0.3866	5.440	**10-637+15**
2.027	0.4016	5.440	**10-637+30**
2.041	0.3419	5.231	**10-1380**
2.041	0.3419	5.231	**10-1170**
2.041	0.3449	5.231	**10-1170+3**
2.041	0.3449	5.231	**10-1380+3**
2.041	0.3569	5.231	**10-1170+15**
2.041	0.3569	5.231	**10-1380+15**
2.041	0.3719	5.231	**10-1170+30**
2.050	0.3127	5.165	**10-13194**
2.065	0.3720	5.230	**10-1107S**
2.065	0.3720	5.230	**10-1107**
2.065	0.3870	5.230	**10-1107+15**
2.072	0.3427	4.688	**10-1002**
2.079	0.3125	4.971	**10-13206**
2.080	0.3725	4.869	**10-548**
2.083	0.3419	5.175	**10-1723**
2.083	0.3419	5.198	**10-1272**
2.083	0.3420	5.288	**10-1103**
2.083	0.3449	5.198	**10-1272+3**
2.083	0.3450	5.288	**10-1103+3**
2.083	0.3569	5.198	**10-1272+15**
2.106	0.3127	5.425	**10-13288**
2.106	0.3127	5.425	**10-13290S**
2.110	0.3415	4.979	**10-1161**
2.110	0.3415	5.098	**10-1098**
2.125	0.313	5.240	**10-30814**
2.138	0.312	5.128	**10-30821**
2.163	0.313	5.743	**10-13511**
2.165	0.3135	4.870	**10-13240**
2.165	0.3135	4.890	**10-13239**
2.187	0.3720	5.225	**10-2101**
2.190	0.3420	5.231	**10-1172**
2.190	0.3720	5.225	**10-1164**

VALVE KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
10-VKCUM6BTA-5	10-1664	6	CUM 6BT 12V Assy. Kit 10-,32-,34-,38-,55
	10-1665	6	
	32-00276	12	
	34-00250	24	
	38-6114-55	12	
	55-2299	12	
10-VKCUMISBA-5	10-13006	12	CUM ISB 24V Assy. Kit 10-,32-,34-,38-,55-
	10-2014	12	
	32-04053	24	
	34-5020	48	
	38-9191-45	24	
	55-3198	24	
10-VKFOR60I-5	10-2179	16	FOR 6.0L 32V Assy. Kit 10-,32-,34-,38-,55
	10-2180	16	
	32-04040	32	
	34-5009	64	
	38-160-55	32	
	55-6328	32	
10-VKFOR60S-5	10-2179	16	FOR 6.0L 32V Kit 10-,30-,34-,38-,87-
	10-2180	16	
	30-3055	32	
	34-5009	64	
	38-160-55	32	
	87-8320	8	
10-VKFOR60S-6	10-2179	16	FOR 6.0L 32V Kit 10-,30-,32-,34-,38-,87-
	10-2180	16	
	30-3055	32	
	32-04040	32	
	34-5009	64	
	38-160-55	32	
	87-8320	8	
10-VKFOR67A-5	10-13265	16	FOR 6.7L 32V Assy. Kit 10-,32-,34-,38-,55
	10-13266	16	
	32-5015	32	
	34-281	64	
	38-6129-55	32	
	55-5715	32	
10-VKFOR67L-4	10-13265	16	FOR 6.7L 32V Kit 10-,30-,34-,38-
	10-13266	16	
	30-3163	32	
	34-281	64	
	38-6129-55	32	
10-VKFOR67L-5	10-13265	16	FOR 6.7L 32V Kit 10-,30-,32-,34-,38
	10-13266	16	
	30-3163	32	
	32-5015	32	
	34-281	64	
	38-6129-55	32	
10-VKFOR73L-5	10-1785	8	FOR 7.3L Dir. Inj. 16V Kit 10-,30-,34-,38-,87-
	10-1786	8	
	30-6587	16	
	34-614	32	
	38-173-45	16	
	87-4376	8	
10-VKFOR73L-6	10-1785	8	FOR 7.3L Dir. Inj. 16V Kit 10-,30-,32-,34-,38-,87-
	10-1786	8	
	30-6587	16	
	32-887-D	16	
	34-614	32	
	38-173-45	16	
	87-4376	8	
10-VKGMD66A-5	10-2175	16	GM 6.6D Assy. Kit 10-,32-,34-,38-,55-
	10-2176	16	
	32-04041	32	
	34-5001	64	
	38-6132-55	32	
	55-6066	32	
10-VKGMD66S-5	10-2175	16	GM 6.6L 32V Kit 10-,30-,34-,38-,87-
	10-2176	16	
	30-3049	32	
	34-5001	64	
	38-6132-55	32	
	87-8463K	8	
10-VKGMD66S-6	10-2175	16	GM 6.6L 32V Kit 10-,30-,32-,34-,38-,87-
	10-2176	16	
	30-3049	32	
	32-04041	32	
	34-5001	64	
	38-6132-55	32	
	87-8463K	8	

ENGINE BLOCKS

New Engine Blocks are individually cast using the latest techniques. All machined surfaces are performed by CNC, including bolt holes, to achieve extreme accuracy in finishing.

Part Number:

Picture

14-160400

Bore:	4.000
Deck Height	9.235
Description	GM LS 6.0L non-DOD LY6
Material	Cast Iron
Config:	V8
MainBolt	6-Bolt Nodular Iron

NEW CYLINDER HEADS

New Cylinder Heads are individually cast using the latest techniques. All machined surfaces are performed by CNC, including bolt holes, to achieve extreme accuracy in finishing. Heads are bare with seats and guides installed. Diesel heads may include injector tubes as well.

Part Number: / Casting or OEM #	Make	Description / Material	Picture
16-157906	GM	5.7L Vortec 16V	
906, 062		Cast Iron	
16-166527	GM	6.6L Duramax LB7 32V	
97779580		Aluminum	
16-166529	GM	6.6L Duramax LBZ 32V	
12690608		Aluminum	
16-260018	FOR	6.0L Powerstroke 18mm Dowel 32V	
1843030C1, 1843080C1,C2,C3,C4		Cast Iron	
16-260020	FOR	6.0L Powerstroke 20mm Dowel 32V	
1855613C1		Cast Iron	
16-267001L	FOR	6.7L Left Powerstroke 32V	
JC3Z6049B		Aluminum	
16-267001R	FOR	6.7L Right Powerstroke 32V	
JC3Z6049A		Aluminum	
16-759121	CHC, CUM	5.9L 6BT 12V	
3934747, 3925400		Cast Iron	
16-759241	CHC, CUM	5.9L ISB 24V	
3943627		Cast Iron	
16-767241	CHC, CUM	6.7L ISB 24V	
3977221, 3977225, 4983298, 4983046		Cast Iron	

CYLINDER HEAD KITS

Head Kits are for one engine and can be customized with your requested components.

Kit #	Description	
16-157906-K1	GM Vortec	
Part #	**Part Type**	**Qty**
16-157906	Cyl. Head	2
10-1807	Valve, Exh.	8
10-1931	Valve, Int	8
32-1680	Spring	16
34-555	Keeper	32
38-371-45	Stem Seal	32
55-6906	Retainer	16

Kit #	Description	
16-166527-K1	GM LB7	
Part #	**Part Type**	**Qty**
16-166527	Cyl. Head	2
10-2175	Valve, Exh.	16
10-2176	Valve, Int	16
32-04041	Spring	32
34-5001	Keeper	64
38-6132-55	Stem Seal	32
55-6066	Retainer	32

Kit #	Description	
16-166529-K1	GM LBZ	
Part #	**Part Type**	**Qty**
16-166529	Cyl. Head	2
10-2175	Valve, Exh.	16
10-2176	Valve, Int	16
32-04041	Spring	32
34-5001	Keeper	64
38-6132-55	Stem Seal	32
55-6066	Retainer	32

Kit #	Description	
16-260018-K1	FOR 6.0 18mm	
Part #	**Part Type**	**Qty**
16-260018	Cyl. Head	2
10-2179	Valve, Exh.	16
10-2180	Valve, Int	16
32-04040	Spring	32
34-5009	Keeper	64
38-160-55	Stem Seal	32
55-6328	Retainer	32

Kit #	Description	
16-260020-K1	FOR 6.0 20mm	
Part #	**Part Type**	**Qty**
16-260020	Cyl. Head	2
10-2179	Valve, Exh.	16
10-2180	Valve, Int	16
32-04040	Spring	32
34-5009	Keeper	64
38-160-55	Stem Seal	32
55-6328	Retainer	32

Kit #	Description	
16-267001-K1	FOR 6.7	
Part #	**Part Type**	**Qty**
16-267001L	Cyl. Head L	1
16-267001R	Cyl. Head R	1
10-13265	Valve, Exh.	16
10-13266	Valve, Int	16
32-5015	Spring	32
34-281	Keeper	64
38-6129-55	Stem Seal	32
55-5715	Retainer	32

Kit #	Description	
16-759121-K1	CHC 5.9 12V	
Part #	**Part Type**	**Qty**
16-759121	Cyl. Head	1
10-1665	Valve, Exh.	6
10-1664	Valve, Int	6
32-00276	Spring	12
34-00250	Keeper	24
38-6114-55	Stem Seal	12
55-2299	Retainer	12

Kit #	Description	
16-759241-K1	CHC 5.9 24V	
Part #	**Part Type**	**Qty**
16-759241	Cyl. Head	1
10-13006	Valve, Exh.	12
10-2014	Valve, Int	12
32-04053	Spring	24
34-5020	Keeper	48
38-9191-45	Stem Seal	24
55-3198	Retainer	24

Kit #	Description	
16-767241-K1	CHC 6.7 24V	
Part #	**Part Type**	**Qty**
16-767241	Cyl. Head	1
10-13006	Valve, Exh.	12
10-2014	Valve, Int	12
32-04053	Spring	24
34-5020	Keeper	48
38-9191-45	Stem Seal	24
55-3198	Retainer	24

VALVE SEAT INSERT NUMBERING SYSTEM AND NOTES

20- Prefix denotes the four digit number is the estimated cutter size. The actual O.D. includes a press fit for a cast iron head of between .0045" and .006" depending on size.

e.g. 20-1562-1 suggests the use of a 1-9/16" cutter and allows for .0045" press fit. Actual O.D. is 1.5670".

21- Prefix is specifically for aluminum cylinder heads. The part number also includes the estimated cutter size and allows for .007" press fit.

e.g. 21-1625-59 suggests the use of a 1-5/8" cutter and allows for .007" press fit. Actual O.D. is 1.6320"

22- Prefix denotes the part number is the exact O.D. Used for factory Installed seats.

e.g. 22-2006-1 shows the actual O.D. 2.006".

All our valve seat inserts have a finished I.D. and geometry on the lead-in edge to ease the press fit. We use a variety of alloys to suit the applications listed in our catalog. For example very special alloys are used for heavy duty applications. We also feature the QualCast "N" series inserts manufactured using a non-magnetic nickel based alloy, which provides superior high temperature hardness and corrosion resistance. As with all our products, we "quality assure" their suitability at our test lab in Nashville.

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-1000-1	1.000	1.0045	3/4		3/16	45	UNIVERSAL	
20-1000-2	1.000	1.0045	13/16		3/16	45	UNIVERSAL	
20-1062-2	1-1/16	1.0670	7/8		3/16	45	UNIVERSAL	
20-1125-1	1-1/8	1.1295	7/8		7/32	45	UNIVERSAL	
20-1125-2	1-1/8	1.1295	13/16		3/16	45	UNIVERSAL	
20-1125-3	1-1/8	1.1295	7/8		5/32	45	UNIVERSAL	
20-1125-4	1-1/8	1.1295	7/8		1/4	45	UNIVERSAL	
20-1125-5	1-1/8	1.1295	7/8		3/16	45	UNIVERSAL	
20-1125-6	1-1/8	1.1295	15/16		3/16	45	UNIVERSAL	
20-1187-1	1-3/16	1.1920	1.000		3/16	45	UNIVERSAL	
20-1187-2	1-3/16	1.1920	7/8		1/4	45	UNIVERSAL	
20-1187-3	1-3/16	1.1920	15/16		9/64	45	UNIVERSAL	
20-1187-5	1-3/16	1.1920	15/16		1/4	45	UNIVERSAL	
20-1187-7	1-3/16	1.1920	1.000		0.219	45	UNIVERSAL	
20-1250-1	1-1/4	1.2545	1.000		7/32	45	UNIVERSAL	
20-1250-2	1-1/4	1.2545	1.000		3/16	45	UNIVERSAL	
20-1250-3	1-1/4	1.2545	1.000		1/4	45	UNIVERSAL	
20-1250-4	1-1/4	1.2545	7/8		3/16	45	UNIVERSAL	
20-1250-12	1-1/4	1.2545	1.000		5/16	45	UNIVERSAL	
20-1250-15N	1-1/4	1.2550	0.905		0.250	45	FDI, FOR	
20-1312-0	1-5/16	1.3170	1-1/16		3/8	45	UNIVERSAL	
20-1312-1	1-5/16	1.3170	1-1/16		3/16	45	UNIVERSAL	
20-1312-3	1-5/16	1.3170	1.000		7/32	45	UNIVERSAL	
20-1312-4	1-5/16	1.3170	1.000		1/4	45	UNIVERSAL	
20-1312-5	1-5/16	1.3170	1.000		5/16	45	UNIVERSAL	
20-1312-6	1-5/16	1.3170	1-1/16		0.219	45	UNIVERSAL	
20-1312-7	1-5/16	1.3170	1-1/8		3/16	45	UNIVERSAL	
20-1312-9	1-5/16	1.3170	1-1/16		1/4	45	UNIVERSAL	
20-1312-10	1-5/16	1.3170	1-1/16		5/16	45	UNIVERSAL	
20-1312-16	1-5/16	1.3170	13/16		7/16	45	UNIVERSAL	
20-1375-1	1-3/8	1.3795	1-1/8		7/32	45	UNIVERSAL	
20-1375-1N	1-3/8	1.3795	1-1/8		7/32	45	"N" SERIES	
20-1375-2	1-3/8	1.3795	1-1/8		1/4	45	UNIVERSAL	
20-1375-3	1-3/8	1.3795	1-1/16		3/16	45	CON	
20-1375-3N	1-3/8	1.3795	1-1/16		3/16	45	"N" SERIES	
20-1375-4	1-3/8	1.3795	1-1/8		3/16	45	UNIVERSAL	
20-1375-5	1-3/8	1.3795	1-1/8		17/64	45	UNIVERSAL	
20-1375-6	1-3/8	1.3795	1-1/16		7/32	45	UNIVERSAL	
20-1375-7	1-3/8	1.3795	1-1/16		1/4	45	UNIVERSAL	
20-1375-18	1-3/8	1.3795	1-1/16		5/16	45	UNIVERSAL	
20-1375-22	1-3/8	1.3795	1-3/16		7/32	45	UNIVERSAL	
20-1375-25	1-3/8	1.3795	1-3/32		0.203	45	CAS	
20-1437-0	1-7/16	1.4420	1-3/16		3/8	45	UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-1437-1	1-7/16	1.4420	1-1/4		7/32	45	UNIVERSAL	
20-1437-1N	1-7/16	1.4420	1-1/4		7/32	45	"N" SERIES	
20-1437-2	1-7/16	1.4420	1-7/32		7/32	45	UNIVERSAL	
20-1437-2N	1-7/16	1.4420	1-7/32		7/32	45	"N" SERIES	
20-1437-3	1-7/16	1.4420	1-3/16		7/32	45	UNIVERSAL	
20-1437-3N	1-7/16	1.4420	1-3/16		7/32	45	"N" SERIES	
20-1437-4	1-7/16	1.4420	1-1/8		7/32	45	UNIVERSAL	
20-1437-5	1-7/16	1.4420	1-3/16		1/4	45	UNIVERSAL	020
20-1437-6	1-7/16	1.4420	1-1/8		5/16	45	UNIVERSAL	
20-1437-8	1-7/16	1.4420	1-1/8		1/4	45	UNIVERSAL	
20-1437-9	1-7/16	1.4420	1-1/16		3/16	45	UNIVERSAL	
20-1437-10	1-7/16	1.4420	1-1/8		3/16	45	UNIVERSAL	
20-1437-18	1-7/16	1.4420	1.000		5/16	45	UNIVERSAL	
20-1437-22	1-7/16	1.4420	1-1/16		5/16	45	UNIVERSAL	
20-1437-24	1-7/16	1.4420	1-3/16		3/16	45	UNIVERSAL	
20-1437-25	1-7/16	1.4420	1-3/16		5/16	45	UNIVERSAL	
20-1437-28	1-7/16	1.4420	1-1/4		3/16	45	UNIVERSAL	
20-1500-0	1-1/2	1.5045	1-1/4		3/8	45	UNIVERSAL	
20-1500-1	1-1/2	1.5045	1-1/4		7/32	45	UNIVERSAL	
20-1500-1N	1-1/2	1.5045	1-1/4		7/32	45	"N" SERIES	
20-1500-2	1-1/2	1.5045	1-3/16		7/32	45	UNIVERSAL	
20-1500-3	1-1/2	1.5045	1-1/4		1/4	45	UNIVERSAL	003,030
20-1500-4	1-1/2	1.5045	1-7/32T	1-11/32	7/32	45	UNIVERSAL	
20-1500-5	1-1/2	1.5045	1-1/8		3/16	45	UNIVERSAL	
20-1500-6	1-1/2	1.5045	1-3/16		1/4	45	UNIVERSAL	
20-1500-8	1-1/2	1.5045	1-1/8		7/32	45	UNIVERSAL	
20-1500-9	1-1/2	1.5045	1-1/8		5/16	45	UNIVERSAL	
20-1500-10	1-1/2	1.5045	1-3/16		5/16	45	UNIVERSAL	
20-1500-12	1-1/2	1.5045	1-1/4		5/16	45	UNIVERSAL	
20-1500-13	1-1/2	1.5045	1-1/4		3/16	45	UNIVERSAL	
20-1500-23	1-1/2	1.5045	1-1/16		5/16	45	UNIVERSAL	
20-1500-26	1-1/2	1.5045	1-3/16		3/8	45	UNIVERSAL	
20-1500-29	1-1/2	1.5045	1-5/16		3/16	45	UNIVERSAL	
20-1500-30	1-1/2	1.5045	1-5/16		0.219	45	UNIVERSAL	
20-1500-33	1-1/2	1.5045	1.000		7/16	45	UNIVERSAL	
20-1562-0	1-9/16	1.5670	1-3/16		0.373	45	UNIVERSAL	
20-1562-1	1-9/16	1.5670	1-5/16		7/32	45	UNIVERSAL	010
20-1562-1N	1-9/16	1.5670	1-5/16		0.216	45	"N" SERIES	
20-1562-2	1-9/16	1.5670	1-5/16T	1-3/8	0.248	45	UNIVERSAL	010
20-1562-2N	1-9/16	1.5670	1-5/16T	1-3/8	1/4	45	"N" SERIES	
20-1562-3	1-9/16	1.5670	1-11/32		7/32	45	UNIVERSAL	
20-1562-4	1-9/16	1.5670	1-5/16		1/4	45	UNIVERSAL	010
20-1562-5	1-9/16	1.5670	1-3/8		1/4	45	UNIVERSAL	
20-1562-6	1-9/16	1.5670	1-1/4		7/32	45	UNIVERSAL	010
20-1562-6N	1-9/16	1.5670	1-1/4		7/32	45	"N" SERIES	
20-1562-7	1-9/16	1.5670	1-1/4		1/4	45	UNIVERSAL	
20-1562-8	1-9/16	1.5670	1-5/16		7/32	30	IHC, IHN	
20-1562-9	1-9/16	1.5670	1-5/16T	1-3/8	0.216	45	UNIVERSAL	
20-1562-11	1-9/16	1.5670	1-3/16		5/16	30	UNIVERSAL	
20-1562-12	1-9/16	1.5670	1-3/8		7/32	45	UNIVERSAL	
20-1562-13	1-9/16	1.5670	1-3/16		7/32	45	UNIVERSAL	
20-1562-14	1-9/16	1.5670	1-1/8		7/32	45	UNIVERSAL	
20-1562-16	1-9/16	1.5670	1-1/4		3/16	45	UNIVERSAL	
20-1562-16N	1-9/16	1.567	1-1/4		3/16	45	"N" SERIES	
20-1562-17	1-9/16	1.5670	1-1/4		0.3125	45	UNIVERSAL	
20-1562-18	1-9/16	1.5670	1-5/16		5/16	45	UNIVERSAL	
20-1562-20	1-9/16	1.5670	1-9/32		7/32	45	UNIVERSAL	
20-1562-21	1-9/16	1.5670	1.000		21/64	45	UNIVERSAL	
20-1562-22	1-9/16	1.5670	1-1/16		3/16	45	UNIVERSAL	
20-1562-23	1-9/16	1.5670	1-1/16		7/32	45	UNIVERSAL	
20-1562-27	1-9/16	1.5670	1-1/8		3/16	45	UNIVERSAL	
20-1562-30	1-9/16	1.5670	1-3/16		3/16	45	UNIVERSAL	
20-1562-31	1-9/16	1.5670	1-3/16		1/4	45	UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-1562-32	1-9/16	1.5670	1-1/4		11/32	45	UNIVERSAL	
20-1562-36	1-9/16	1.5670	1-5/16		3/16	45	UNIVERSAL	
20-1562-36N	1-9/16	1.5670	1-5/16		3/16	45	"N" SERIES	
20-1562-37	1-9/16	1.5670	1-5/16		9/32	45	UNIVERSAL	
20-1562-39	1-9/16	1.5670	1-5/16		3/8	45	UNIVERSAL	
20-1562-41	1-9/16	1.5670	1-3/8		3/8	45	UNIVERSAL	
20-1562-44	1-9/16	1.5670	1-1/16		7/16	45	UNIVERSAL	
20-1562-46N	1-9/16	1.5680	1-1/4		9/32	45	IDI	
20-1625-0	1-5/8	1.6300	1-3/8		3/8	45	UNIVERSAL	
20-1625-1	1-5/8	1.6300	1-3/8		7/32	45	UNIVERSAL	005,010,015,020,030
20-1625-1N	1-5/8	1.6300	1-3/8		7/32	45	"N" SERIES	
20-1625-2	1-5/8	1.6300	1-3/8		0.248	45	UNIVERSAL	010,020
20-1625-2N	1-5/8	1.6300	1-3/8		1/4	45	"N" SERIES	
20-1625-3	1-5/8	1.6300	1-5/16		1/4	45	UNIVERSAL	
20-1625-3N	1-5/8	1.6300	1-5/16		0.248	45	"N"SERIES	
20-1625-4	1-5/8	1.6300	1-5/16		7/32	45	UNIVERSAL	
20-1625-4N	1-5/8	1.6300	1-5/16		7/32	45	"N" SERIES	020
20-1625-5	1-5/8	1.6300	1-11/32		1/4	45	UNIVERSAL	
20-1625-6	1-5/8	1.6300	1-1/4		1/4	45	UNIVERSAL	
20-1625-7	1-5/8	1.6300	1-1/4		5/16	45	UNIVERSAL	
20-1625-8	1-5/8	1.6300	1-3/16		3/8	45	UNIVERSAL	
20-1625-9	1-5/8	1.6300	1-1/4		7/32	45	UNIVERSAL	
20-1625-10	1-5/8	1.6300	1-5/16		5/16	45	UNIVERSAL	
20-1625-11	1-5/8	1.6300	1-11/32		7/32	45	UNIVERSAL	
20-1625-14	1-5/8	1.6300	1-3/8		5/16	45	UNIVERSAL	
20-1625-15	1-5/8	1.6300	1-3/8		17/64	45	UNIVERSAL	
20-1625-17	1-5/8	1.6300	1-7/16		7/32	45	UNIVERSAL	
20-1625-18	1-5/8	1.6300	1-5/16		9/32	45	UNIVERSAL	
20-1625-20	1-5/8	1.6300	1-5/16		0.395	45	CHI, CHM	
20-1625-24	1-5/8	1.6300	1-1/8		11/32	45	UNIVERSAL	
20-1625-27	1-5/8	1.6300	1-1/4		3/16	45	UNIVERSAL	
20-1625-28	1-5/8	1.6300	1-1/4		11/32	45	UNIVERSAL	
20-1625-29	1-5/8	1.6300	1-1/4		3/8	45	UNIVERSAL	
20-1625-30	1-5/8	1.6300	1-5/16		3/16	45	UNIVERSAL	
20-1625-31	1-5/8	1.6300	1-11/32		3/16	45	UNIVERSAL	
20-1625-32	1-5/8	1.6300	1-11/32		3/8	45	UNIVERSAL	
20-1625-33	1-5/8	1.6300	1-3/8		3/16	45	UNIVERSAL	
20-1625-35	1-5/8	1.6300	1-7/16		3/16	45	UNIVERSAL	
20-1625-39	1-5/8	1.6300	1-13/32		1/4	45	UNIVERSAL	
20-1625-41	1-5/8	1.6300	1-1/8		7/16	45	UNIVERSAL	
20-1687-0	1-11/16	1.6925	1-5/16		3/8	45	UNIVERSAL	
20-1687-1	1-11/16	1.6925	1-13/32		1/4	45	UNIVERSAL	
20-1687-1N	1-11/16	1.6925	1-13/32		0.248	45	"N" SERIES	
20-1687-2	1-11/16	1.6925	1-7/16		7/32	45	UNIVERSAL	
20-1687-2N	1-11/16	1.6925	1-7/16		7/32	45	"N" SERIES	
20-1687-3	1-11/16	1.6925	1-7/16		1/4	45	UNIVERSAL	
20-1687-3N	1-11/16	1.6925	1-7/16		1/4	45	"N" SERIES	
20-1687-4	1-11/16	1.6925	1-11/32		5/16	45	UNIVERSAL	
20-1687-4N	1-11/16	1.6925	1-11/32		5/16	45	"N" SERIES	
20-1687-5	1-11/16	1.6925	1-3/8		7/32	45	UNIVERSAL	020
20-1687-5N	1-11/16	1.6925	1-3/8		7/32	45	"N" SERIES	
20-1687-6	1-11/16	1.6925	1-5/16		1/4	45	UNIVERSAL	
20-1687-7	1-11/16	1.6925	1-3/8		1/4	45	UNIVERSAL	
20-1687-8	1-11/16	1.6925	1-3/8		5/16	45	UNIVERSAL	
20-1687-9	1-11/16	1.6925	1-5/16		7/32	45	UNIVERSAL	
20-1687-10	1-11/16	1.6925	1-3/8T	1-7/16	5/16	45	UNIVERSAL	
20-1687-10N	1-11/16	1.6925	1-3/8T	1-7/16	5/16	45	"N" SERIES	
20-1687-11	1-11/16	1.6925	1-5/16		5/16	45	UNIVERSAL	
20-1687-12	1-11/16	1.6925	1-3/8		0.373	45	UNIVERSAL	
20-1687-13	1-11/16	1.6925	1-7/16		5/16	45	UNIVERSAL	030
20-1687-15	1-11/16	1.6925	1-7/16		5/32	45	UNIVERSAL	
20-1687-16	1-11/16	1.6925	1-7/16		3/16	45	UNIVERSAL	
20-1687-17	1-11/16	1.6925	1-1/2		7/32	45	UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-1687-18	1-11/16	1.6925	1-3/8		9/32	45	UNIVERSAL	
20-1687-19	1-11/16	1.6925	1-1/4		1/4	45	UNIVERSAL	
20-1687-21	1-11/16	1.6925	1-1/4		3/16	45	UNIVERSAL	
20-1687-22	1-11/16	1.6925	1-1/4		7/32	45	UNIVERSAL	
20-1687-23	1-11/16	1.6925	1-1/4		5/16	45	UNIVERSAL	
20-1687-26	1-11/16	1.6925	1-11/32		3/16	45	UNIVERSAL	
20-1687-29	1-11/16	1.6925	1-3/8		3/16	45	UNIVERSAL	
20-1687-34	1-11/16	1.6925	1-3/8T	1-7/16	7/32	45	UNIVERSAL	
20-1687-41	1-11/16	1.6925	1-1/2		5/16	45	UNIVERSAL	
20-1687-42	1-11/16	1.6925	1-3/16		7/16	45	UNIVERSAL	
20-1750-0	1-3/4	1.7550	1-3/8		3/8	45	UNIVERSAL	
20-1750-1	1-3/4	1.7550	1-1/2		1/4	45	UNIVERSAL	005
20-1750-1N	1-3/4	1.7550	1-1/2		1/4	45	"N" SERIES	
20-1750-2	1-3/4	1.7550	1-1/2		7/32	45	UNIVERSAL	010
20-1750-2N	1-3/4	1.7550	1-1/2		7/32	45	"N" SERIES	020
20-1750-3	1-3/4	1.7550	1-7/16		7/32	45	UNIVERSAL	020
20-1750-3N	1-3/4	1.7550	1-7/16		7/32	45	"N" SERIES	
20-1750-4	1-3/4	1.7550	1-7/16		1/4	45	UNIVERSAL	
20-1750-4N	1-3/4	1.7550	1-7/16		1/4	45	"N" SERIES	
20-1750-5	1-3/4	1.7550	1-7/16		5/16	45	UNIVERSAL	
20-1750-6	1-3/4	1.7550	1-5/16		1/4	45	UNIVERSAL	
20-1750-7	1-3/4	1.7550	1-3/8		7/32	45	UNIVERSAL	
20-1750-8	1-3/4	1.7550	1-3/8		1/4	45	UNIVERSAL	
20-1750-9	1-3/4	1.7550	1-3/8		5/16	45	UNIVERSAL	
20-1750-10	1-3/4	1.7550	1-1/4		1/4	45	UNIVERSAL	
20-1750-12	1-3/4	1.7550	1.438T	1.610	0.203	45	DDA	
20-1750-15	1-3/4	1.7550	1-3/8		9/32	45	UNIVERSAL	
20-1750-20	1-3/4	1.7550	1-1/4		5/16	45	UNIVERSAL	
20-1750-24	1-3/4	1.7550	1-5/16		3/8	45	UNIVERSAL	
20-1750-30	1-3/4	1.7550	1-3/8T	1-9/16	7/32	45	UNIVERSAL	
20-1750-32	1-3/4	1.7550	1-7/16		3/8	45	UNIVERSAL	
20-1750-33	1-3/4	1.7550	1-7/16		7/16	45	UNIVERSAL	
20-1750-34	1-3/4	1.7550	1-1/2		3/16	45	UNIVERSAL	
20-1750-38	1-3/4	1.7550	1-9/16		7/32	45	UNIVERSAL	
20-1750-41	1-3/4	1.7550	1-9/16		3/8	45	UNIVERSAL	
20-1750-43	1-3/4	1.7550	1-1/4		7/16	45	UNIVERSAL	
20-1812-0	1-13/16	1.8175	1-7/16		3/8	45	UNIVERSAL	
20-1812-1	1-13/16	1.8175	1-9/16		1/4	45	UNIVERSAL	020
20-1812-2	1-13/16	1.8175	1-1/2		7/32	45	UNIVERSAL	
20-1812-3	1-13/16	1.8175	1.500T	1-5/8	7/32	45	UNIVERSAL	
20-1812-4	1-13/16	1.8175	1-9/16		7/32	45	UNIVERSAL	
20-1812-4N	1-13/16	1.8175	1-9/16		7/32	45	"N" SERIES	
20-1812-5	1-13/16	1.8175	1-1/2		1/4	45	UNIVERSAL	
20-1812-5N	1-13/16	1.8175	1-1/2		1/4	45	"N" SERIES	
20-1812-6	1-13/16	1.8175	1-15/32		1/4	45	UNIVERSAL	
20-1812-7	1-13/16	1.8175	1-7/16		1/4	45	UNIVERSAL	
20-1812-9	1-13/16	1.8175	1-1/2		5/16	45	UNIVERSAL	
20-1812-9N	1-13/16	1.8175	1-1/2		5/16	45	"N" SERIES	
20-1812-11	1-13/16	1.8175	1-7/16		5/16	45	UNIVERSAL	
20-1812-12	1-13/16	1.8175	1-5/8		7/32	45	UNIVERSAL	
20-1812-13	1-13/16	1.8175	1-3/8		7/32	45	UNIVERSAL	
20-1812-14	1-13/16	1.8175	1-3/8		1/4	45	UNIVERSAL	
20-1812-15	1-13/16	1.8175	1-3/8		5/16	45	UNIVERSAL	
20-1812-16	1-13/16	1.8175	1-3/8		3/8	45	UNIVERSAL	
20-1812-17	1-13/16	1.8175	1-7/16		7/32	45	UNIVERSAL	
20-1812-18	1-13/16	1.8175	1-1/2		3/8	45	UNIVERSAL	
20-1812-19	1-13/16	1.8175	1-9/16		3/8	45	UNIVERSAL	
20-1812-21N	1-13/16	1.8175	1-15/32		5/16	45	"N" SERIES	
20-1812-26	1-13/16	1.8175	1-5/16		7/16	45	UNIVERSAL	
20-1812-32	1-13/16	1.8175	1-3/8		3/16	45	UNIVERSAL	
20-1812-36	1-13/16	1.8175	1-9/16		3/16	45	UNIVERSAL	
20-1812-38	1-13/16	1.8175	1-5/8		1/4	45	UNIVERSAL	
20-1812-39	1-13/16	1.8175	1-5/8		5/16	45	UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-1812-40	1-13/16	1.8175	1-5/8		3/8	45	UNIVERSAL	
20-1875-0	1-7/8	1.8800	1-1/2		3/8	45	UNIVERSAL	
20-1875-1	1-7/8	1.8800	1-5/8		1/4	45	UNIVERSAL	
20-1875-2	1-7/8	1.8800	1-9/16		1/4	45	UNIVERSAL	
20-1875-5	1-7/8	1.8800	1-3/8		1/4	45	UNIVERSAL	
20-1875-6	1-7/8	1.8800	1-5/8		7/32	45	UNIVERSAL	
20-1875-8	1-7/8	1.8800	1-1/2T	1-5/8	7/32	45	UNIVERSAL	
20-1875-9	1-7/8	1.8800	1-1/2		1/4	45	UNIVERSAL	
20-1875-11	1-7/8	1.8800	1-9/16		5/16	45	UNIVERSAL	
20-1875-12	1-7/8	1.8800	1-7/16		1/4	45	UNIVERSAL	
20-1875-13	1-7/8	1.8800	1-1/2		7/32	45	UNIVERSAL	
20-1875-14	1-7/8	1.8800	1-1/2		5/16	45	UNIVERSAL	
20-1875-16	1-7/8	1.8800	1-9/16		3/8	45	UNIVERSAL	
20-1875-17	1-7/8	1.8800	1-5/8		5/16	45	UNIVERSAL	
20-1875-19	1-7/8	1.8800	1-9/16		7/32	45	UNIVERSAL	
20-1875-29	1-7/8	1.8800	1-9/16		7/16	45	UNIVERSAL	
20-1875-30	1-7/8	1.8800	1-7/16		3/16	45	UNIVERSAL	
20-1875-34	1-7/8	1.8800	1-7/16		7/16	45	UNIVERSAL	
20-1875-35	1-7/8	1.8800	1-11/16		1/4	45	UNIVERSAL	
20-1875-36	1-7/8	1.8800	1-11/16		5/16	45	UNIVERSAL	
20-1875-37	1-7/8	1.8800	1-11/16		3/8	45	UNIVERSAL	
20-1875-38	1-7/8	1.8800	1-5/8		3/16	45	UNIVERSAL	
20-1937-0	1-15/16	1.9430	1-9/16		3/8	45	UNIVERSAL	
20-1937-1	1-15/16	1.9430	1-11/16		1/4	45	UNIVERSAL	
20-1937-2	1-15/16	1.9430	1-5/8		1/4	45	UNIVERSAL	010,020,030
20-1937-3	1-15/16	1.9430	1-9/16		5/16	45	UNIVERSAL	
20-1937-4	1-15/16	1.9430	1-9/16		1/4	45	UNIVERSAL	
20-1937-4N	1-15/16	1.9430	1-9/16		1/4	45	"N" SERIES	
20-1937-6	1-15/16	1.9430	1-5/8		7/32	45	UNIVERSAL	
20-1937-7	1-15/16	1.9430	1-5/8		5/16	45	UNIVERSAL	
20-1937-9	1-15/16	1.9430	1-1/2		1/4	45	UNIVERSAL	
20-1937-10	1-15/16	1.9430	1-1/2		3/8	45	UNIVERSAL	
20-1937-12	1-15/16	1.9430	1.578T	1.720	0.203	30	DDA	
20-1937-15	1-15/16	1.9430	1-11/16		9/32	45	UNIVERSAL	
20-1937-17	1-15/16	1.9430	1-11/16		7/32	45	UNIVERSAL	
20-1937-19	1-15/16	1.9430	1-3/4		7/32	45	UNIVERSAL	
20-1937-20	1-15/16	1.9430	1-1/2		5/16	45	UNIVERSAL	
20-1937-22	1-15/16	1.9430	1-5/8		7/16	45	UNIVERSAL	
20-1937-23	1-15/16	1.9430	1-11/16		3/16	45	UNIVERSAL	
20-1937-32	1-15/16	1.9430	1-11/16		7/16	45	UNIVERSAL	
20-1937-33	1-15/16	1.9430	1-3/4		1/4	45	UNIVERSAL	
20-1937-34	1-15/16	1.9430	1-11/16	1-3/4	7/32	45	UNIVERSAL	
20-1937-35	1-15/16	1.9430	1-3/4		5/16	45	UNIVERSAL	
20-2000-0	2	2.0055	1-5/8		3/8	45	UNIVERSAL	
20-2000-1	2	2.0055	1-3/4		7/32	45	UNIVERSAL	
20-2000-1N	2	2.0055	1-3/4		7/32	45	"N" SERIES	
20-2000-2	2	2.0055	1-11/16		9/32	45	HAR, IHC	
20-2000-3	2	2.0055	1-5/8		19/64	45	CON	
20-2000-3N	2	2.0055	1-5/8		19/64	45	"N" SERIES	
20-2000-4	2	2.0055	1-11/16		3/8	45	UNIVERSAL	
20-2000-6	2	2.0055	1-5/8		9/32	45	UNIVERSAL	
20-2000-7	2	2.0055	1-13/16		7/32	45	UNIVERSAL	
20-2000-13	2	2.0055	1-5/8		1/4	45	UNIVERSAL	
20-2000-14	2	2.0055	1-5/8		5/16	45	UNIVERSAL	
20-2000-15	2	2.0055	1-11/16		7/32	45	UNIVERSAL	
20-2000-16	2	2.0055	1-11/16		1/4	45	UNIVERSAL	
20-2000-17	2	2.0055	1-3/4		1/4	45	UNIVERSAL	
20-2000-18	2	2.0055	1-3/4		5/16	45	UNIVERSAL	
20-2000-22	2	2.0055	1-3/4		5/32	45	UNIVERSAL	
20-2000-24	2	2.0055	1-1/2		7/16	45	UNIVERSAL	
20-2000-25	2	2.0055	1.600		9/32	45	UNIVERSAL	
20-2000-27	2	2.0055	1-5/8		7/16	45	UNIVERSAL	
20-2000-29	2	2.0055	1-11/16		5/16	45	UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-2000-34	2	2.0055	1-9/16		3/8	45	UNIVERSAL	
20-2000-36	2	2.0055	1-3/4		3/16	45	UNIVERSAL	
20-2000-37	2	2.0055	1-3/4		7/16	45	UNIVERSAL	
20-2062-1	2-1/16	2.0680	1-13/16	1-7/8	1/4	45	UNIVERSAL	
20-2062-3	2-1/16	2.0680	1-13/16		1/4	45	UNIVERSAL	
20-2062-4	2-1/16	2.0680	1-11/16		1/4	45	UNIVERSAL	
20-2062-7	2-1/16	2.0680	1-5/8		9/32	45	UNIVERSAL	
20-2062-8	2-1/16	2.0680	1-11/16		9/32	45	UNIVERSAL	
20-2062-18	2-1/16	2.0680	1-9/16		7/32	45	UNIVERSAL	
20-2062-22	2-1/16	2.0680	1-11/16		7/32	45	UNIVERSAL	
20-2062-23	2-1/16	2.0680	1-11/16		3/8	45	UNIVERSAL	
20-2062-24	2-1/16	2.0680	1-11/16		7/16	45	UNIVERSAL	
20-2062-25	2-1/16	2.0680	1-3/4		7/32	45	UNIVERSAL	
20-2062-27	2-1/16	2.0680	1-3/4		5/16	45	UNIVERSAL	
20-2062-28	2-1/16	2.0680	1-3/4		11/32	45	UNIVERSAL	
20-2062-29	2-1/16	2.0680	1-13/16		7/32	45	UNIVERSAL	
20-2062-30	2-1/16	2.0680	1-13/16		3/16	45	UNIVERSAL	
21-2062-50	2-1/16	2.0695	1.750		0.4200	45	GM	
20-2125-1	2-1/8	2.1305	1-13/16		1/4	45	UNIVERSAL	
20-2125-2	2-1/8	2.1305	1-7/8		1/4	45	UNIVERSAL	020
20-2125-4	2-1/8	2.1305	1-29/32		1/4	45	UNIVERSAL	
20-2125-5	2-1/8	2.1305	1-3/4T	1-13/16	1/4	45	UNIVERSAL	
20-2125-7	2-1/8	2.1305	1-3/4		1/4	45	UNIVERSAL	
20-2125-8	2-1/8	2.1305	1-3/4		5/16	45	UNIVERSAL	
20-2125-10	2-1/8	2.1305	1-3/4		9/32	45	UNIVERSAL	
20-2125-11	2-1/8	2.1305	1-3/4		7/32	45	UNIVERSAL	
20-2125-12	2-1/8	2.1305	1-5/8		7/16	45	UNIVERSAL	
20-2125-13	2-1/8	2.1305	1-13/16		7/16	45	UNIVERSAL	
20-2125-18	2-1/8	2.1305	1-9/16		7/32	45	UNIVERSAL	
20-2125-28	2-1/8	2.1305	1-11/16		3/8	45	UNIVERSAL	
20-2125-30	2-1/8	2.1305	1-3/4		7/16	45	UNIVERSAL	
20-2125-31	2-1/8	2.1305	1-13/16		7/32	45	UNIVERSAL	
20-2125-33	2-1/8	2.1305	1-13/16		3/8	45	UNIVERSAL	
20-2125-34	2-1/8	2.1305	1-7/8		7/32	45	UNIVERSAL	
20-2125-38	2-1/8	2.1305	1-13/16		3/16	45	GDI, GM	
20-2187-5	2-3/16	2.1930	1-11/16		1/4	30	UNIVERSAL	
20-2187-9	2-3/16	2.1930	1-13/16		3/8	45	UNIVERSAL	
20-2187-12	2-3/16	2.1930	1-7/8		1/4	45	UNIVERSAL	
20-2187-13	2-3/16	2.1930	1-11/16		9/32	45	UNIVERSAL	
20-2187-17	2-3/16	2.1930	1-3/4		5/16	45	UNIVERSAL	
20-2187-21	2-3/16	2.1930	1-13/16		7/16	45	UNIVERSAL	
20-2187-25	2-3/16	2.1930	1-7/8		7/16	45	UNIVERSAL	
20-2187-27	2-3/16	2.1930	1-15/16		1/4	45	UNIVERSAL	
20-2187-29	2-3/16	2.1930	1-15/16		3/8	45	UNIVERSAL	
20-2187-31	2-3/16	2.1930	1-11/16		7/16	45	UNIVERSAL	
20-2250-1	2-1/4	2.2555	1-15/16		3/16	45	UNIVERSAL	
20-2250-2	2-1/4	2.2555	1-7/8		9/32	45	UNIVERSAL	
20-2250-4	2-1/4	2.2555	1-11/16		1/4	45	UNIVERSAL	
20-2250-6	2-1/4	2.2555	1-3/4		9/32	45	UNIVERSAL	
20-2250-7	2-1/4	2.2555	1-3/4		3/8	45	UNIVERSAL	
20-2250-12	2-1/4	2.2555	1-15/16		9/32	45	UNIVERSAL	
20-2250-13	2-1/4	2.2555	1-7/8		3/8	45	UNIVERSAL	
20-2250-14	2-1/4	2.2555	1-25/32		1/4	45	UNIVERSAL	
20-2250-15	2-1/4	2.2555	1-15/16		1/4	45	UNIVERSAL	
20-2250-17	2-1/4	2.2555	1-3/4		7/16	45	UNIVERSAL	
20-2250-20	2-1/4	2.2555	1-7/8		5/16	45	UNIVERSAL	
20-2250-21	2-1/4	2.2555	1-5/8		5/16	45	UNIVERSAL	
20-2250-23	2-1/4	2.2555	1-11/16		7/32	45	UNIVERSAL	
20-2250-24	2-1/4	2.2555	1-11/16		5/16	45	UNIVERSAL	
20-2250-27	2-1/4	2.2555	1-3/4		1/4	45	UNIVERSAL	
20-2250-28	2-1/4	2.2555	1-3/4		5/16	45	UNIVERSAL	
20-2250-32	2-1/4	2.2555	1-13/16		11/32	45	UNIVERSAL	
20-2250-35	2-1/4	2.2555	1-15/16		7/32	45	UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
20-2312-2	2-5/16	2.3180	1-15/16		9/32	45	UNIVERSAL	
20-2312-9	2-5/16	2.3180	2.000		1/4	45	GDI, GM	
20-2312-11	2-5/16	2.3180	1-13/16		3/8	45	UNIVERSAL	
20-2312-17	2-5/16	2.3180	1-15/16		5/16	45	UNIVERSAL	
20-2375-2	2-3/8	2.3805	2.000		9/32	45	UNIVERSAL	
20-2375-2N	2-3/8	2.3805	2.000		9/32	45	UNIVERSAL	
20-2437-1	2-7/16	2.4430	2.000		9/32	45	UNIVERSAL	
20-2562-1	2-9/16	2.5685	2-3/16		1/4	30	MIN	
21-1062-50	1-1/16	1.0695	0.790		0.254	45	GM, HON, MAZ, NIS, TOY	
21-1125-52	1-1/8	1.1320	0.825T	0.925	0.285	45	CHC, MIT	
21-1187-51	1-3/16	1.1945	0.905		0.257	45	CHC, MIT, TOY	
21-1187-52	1-3/16	1.1945	0.934T	0.995	0.257	45	FDI, FOR, GM, HON, ISU, SUZ, TOY	
21-1187-53	1-3/16	1.1945	0.935		0.235	45	TOY	
21-1187-54	1-3/16	1.1945	0.880		0.280	45	CHC, MIT, HON	
21-1250-50	1-1/4	1.2570	0.965T	1.060	1/4	45	GM, NIS, TOI, TOY	
21-1250-52	1-1/4	1.2570	0.910T	1.052	0.285	45	FOR, HON	
21-1250-55	1-1/4	1.2570	1.005T	1.100	0.255	45	CHC, MIT, TOY	
21-1250-56	1-1/4	1.2570	0.905T	1.005	0.230	45	FOR, GM, MAZ, NIS	
21-1250-57	1-1/4	1.2570	0.982T	1.102	0.212	45	NIS	
21-1250-58	1-1/4	1.2570	0.955		0.255	45	TOY	
21-1250-60	1-1/4	1.2570	1.023T	1.110	0.273	45	CHC, MIT	
21-1250-61	1-1/4	1.2570	0.976		0.180	45	FOR, MAZ	
21-1250-62	1-1/4	1.2570	1.000		0.305	45	HON	
21-1250-63	1-1/4	1.2570	0.930		0.325	45	HON	
21-1250-64	1-1/4	1.2570	0.970		0.270	45	HON	
21-1250-65	1-1/4	1.2570	1.030		0.215	45	MAZ	
21-1312-52	1-5/16	1.3195	1.060T	1.087	0.240	45	GM, ISU, NII, NIS	
21-1312-65	1-5/16	1.3195	1.060T	1.117	0.230	45	GM, ISU	
21-1312-67	1-5/16	1.3195	1.042		0.238	45	GM, TOY	
21-1312-67N	1-5/16	1.3195	1.042		0.238	45	"N" SERIES	
21-1312-68	1-5/16	1.3195	0.975		0.280	45	HON, SAA	
21-1375-60	1-3/8	1.3820	1.107T	1.217	0.237	45	GM	
21-1375-50	1-3/8	1.3820	1.109T	1.218	0.255	45	GM, TOY	
21-1375-50N	1-3/8	1.3820	1.109T	1.218	0.2550	45	FOR	
21-1375-51	1-3/8	1.3820	1.060T	1.150	0.280	45	CHC, FOR, GM, ISU, MDI, MIT, NIS	
21-1375-52	1-3/8	1.3820	1.000T	1.109	0.410	45	HON	
21-1375-55	1-3/8	1.3820	1.120		0.325	45	BMW, HON, NIS, VOK	
21-1375-56	1-3/8	1.3820	1.102		0.260	45	FOR, GM, MAZ, SUZ, TOY	
21-1375-59	1-3/8	1.3820	1.050T	1.190	0.275	45	JAG	
21-1375-61N	1-3/8	1.3820	1.130T	1.272	0.3040	45	FOR	
21-1375-64	1-3/8	1.3820	1.000		0.280	45	GM, SUZ	
21-1375-65	1-3/8	1.3820	1.165		0.310	45	HON	
21-1437-50	1-7/16	1.4445	1.140T	1.241	0.305	45	CHC, VOK	
21-1437-53	1-7/16	1.4445	1.090T	1.101	0.354	45	CHC, HON, NIS	
21-1437-57	1-7/16	1.4445	1.100T	1.260	0.293	45	CHC, HYU, MIT	
21-1437-59	1-7/16	1.4445	1.180T	1.245	0.305	45	CHC, MIT, VOK	
21-1437-65	1-7/16	1.4445	1.105		0.322	45	FOR, SUB	
21-1437-66	1-7/16	1.4445	1.120		0.300	45	CHC, FOR, MAZ, TOY	
21-1437-67	1-7/16	1.4445	1.180T	1.270	0.255	45	HON, ISU, TOY	
21-1437-68	1-7/16	1.4445	1.135T	1.250	0.316	45	CHC, HYU, MIT	
21-1437-73	1-7/16	1.4445	1.142T	1.265	0.336	45	CHC, MIT	
21-1437-74	1-7/16	1.4445	1.162		0.230	45	FOR, MAZ	
21-1437-75	1-7/16	1.4445	1.175		0.260	45	FOR, MAZ	
21-1500-80	1-1/2	1.5070	1.250		0.230	45	MAZ	
21-1500-50	1-1/2	1.5070	1.203T	1.266	0.280	45	GM, ISU	
21-1500-50N	1-1/2	1.507	1.203T	1.266	0.280	45	FOR	
21-1500-52	1-1/2	1.5070	1.260T	1.408	0.240	45	NIS	
21-1500-53	1-1/2	1.5070	1.180T	1.241	0.307	45	BMW, FOR, NIS	
21-1500-57	1-1/2	1.5070	1.100T	1.213	0.316	45	FTU, MAZ	030
21-1500-61	1-1/2	1.5070	1.220T	1.330	0.315	45	TOY	
21-1500-62	1-1/2	1.5070	1.220T	1.284	0.310	45	BMW, CHC, GM, MDI, MIT, VOK	
21-1500-63	1-1/2	1.5070	1.210T	1.248	0.345	45	BMW, CHC	
21-1500-64	1-1/2	1.5070	1.140T	1.362	0.325	45	HON	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
21-1500-65	1-1/2	1.5070	1.140T	1.270	0.325	45	FIA, HON, YUG	
21-1500-68	1-1/2	1.5070	1.179T	1.287	0.293	45	NIS	
21-1500-69	1-1/2	1.5070	1.255		0.318	45	FTU, HON, NIS	
21-1500-71	1-1/2	1.5070	1.240		0.317	45	GM, JAG, TOY	
21-1500-73	1-1/2	1.5070	1.230		0.278	45	GM, VOL	
21-1500-73N	1-1/2	1.5070	1.230		0.2780	45	FOR	
21-1500-73N	1-1/2	1.5070	1.230		0.2780	45	FOR	
21-1500-74	1-1/2	1.5070	1.180T	1.280	0.214	45	GM, NIS	
21-1500-75	1-1/2	1.5070	1.180		0.300	45	CHC, HON, MIT	
21-1500-76	1-1/2	1.5070	1.215T	1.340	0.275	45	JAG	
21-1500-77	1-1/2	1.5070	1.175T	1.235	0.236	45	GM, NIS	
21-1500-79	1-1/2	1.5070	1.295		0.262	45	FOR, GM, SUZ	
21-1500-81	1.507	1.5070	1.300T	1.427	0.200	45	FOR	
21-1562-50	1-9/16	1.5695	1.260T	1.412	0.280	45	CHC, MDI, MIT	
21-1562-51	1-9/16	1.5695	1.245T	1.268	0.354	45	HON	
21-1562-52	1-9/16	1.5670	1.190T	1.321	0.315	45	TOY	
21-1562-65	1-9/16	1.5695	1.300T	1.433	0.315	45	VOK	
21-1562-66	1-9/16	1.5695	1.265T	1.294	0.280	45	GM, ISU, NIS, TOY	
21-1562-67	1-9/16	1.5695	1.255T	1.307	0.319	45	GM, TOY	
21-1562-68	1-9/16	1.5695	1.300T	1.370	0.256	45	NIS	
21-1562-69	1-9/16	1.5695	1.219		0.317	45	CHC, HYU, MIT	
21-1562-71	1-9/16	1.5695	1.275T	1.365	0.258	45	VOL	
21-1562-72	1-9/16	1.5695	1.180		0.316	45	TOY	
21-1562-74	1-9/16	1.5695	1.290T	1.325	0.324	45	CHC	
21-1562-78	1-9/16	1.5695	1.230		0.278	45	VOL	
21-1625-52	1-5/8	1.6320	1.260T	1.427	0.315	45	TOY	
21-1625-53	1-5/8	1.6320	1.255T	1.437	0.300	45	NIS	
21-1625-54	1-5/8	1.6320	1.329		0.280	45	FOR, FTU, HON, ISU	
21-1625-55	1-5/8	1.6320	1.333T	1.511	0.237	45	GM, IDI, ISU	
21-1625-56	1-5/8	1.6320	1.298T	1.382	0.317	45	BMW, CHC, HYU, MAZ, MDI, MIT	
21-1625-58	1-5/8	1.6300	1.280T	1.361	0.315	45	TOI, TOY	
21-1625-60	1-5/8	1.6320	1-1/4T	1.408	0.293	45	NII, NIS	
21-1625-61	1-5/8	1.6320	1.305T	1.450	0.227	45	GM, ISU	
21-1625-62	1-5/8	1.6320	1.320		0.300	45	FOR, MAZ	
21-1625-63	1-5/8	1.6320	1.345T	1.380	0.290	45	BMW	
21-1625-64	1-5/8	1.6320	1.335T	1.387	0.420	45	GM,MBZ	
21-1625-64N	1-5/8	1.6300	1.335T	1.387	0.4200	45	GM	
21-1687-51	1-11/16	1.6945	1.390T	1.452	0.305	45	CHC	
21-1687-52	1-11/16	1.6945	1.300T	1.420	0.360	45	CHC	
21-1687-53	1-11/16	1.6945	1.338T	1.436	0.309	45	NIS	
21-1687-54	1-11/16	1.6945	1.450		0.297	45	GM	
21-1687-55	1-11/16	1.6945	1.340		0.315	45	CHC,TOI, TOY	
21-1687-56	1-11/16	1.6945	1.375T	1.475	0.295	45	NIS	
21-1687-57	1-11/16	1.6945	1.335T	1.487	0.275	45	BMW, FOR, MAZ	
21-1750-50	1-3/4	1.7570	1.500T	1.614	0.255	45	GM, TOY	
21-1750-50N	1.750	1.7570	1.406T	1.540	0.250	45	FOR	
21-1750-53	1-3/4	1.7570	1.390T	1.535	0.250	45	FIA	
21-1750-54	1-3/4	1.7570	1.460T	1.582	0.316	45	FTU, HYU, MAZ	
21-1750-56	1-3/4	1.7550	1.510T	1.575	0.250	45	TOY, VOL	
21-1750-57	1-3/4	1.7550	1.430T	1.615	0.215	45	TOY	
21-1750-58	1-3/4	1.7550	1.360T	1.540	0.315	45	TOY	
21-1750-59	1-3/4	1.7570	1.360T	1.503	0.315	45	MIT, TOY	
21-1750-60	1-3/4	1.7570	1.437T	1.555	0.302	45	BMW, FOR	010,020,030
21-1750-61	1-3/4	1.7570	1.445T	1.617	0.310	45	CHC, MDI, MIT	
21-1750-62	1-3/4	1.7570	1.323T	1.527	0.276	45	GM, ISU	
21-1750-63	1-3/4	1.7570	1.410T	1.540	0.315	45	GM, JAG, TOY	
21-1750-64	1-3/4	1.7570	1.454		0.277	45	NIS	
21-1750-65	1-3/4	1.7570	1.468		0.276	45	GM, SAA	
21-1750-67	1-3/4	1.7570	1.380T	1.538	0.382	45	JAG	
21-1750-68	1-3/4	1.7570	1.415		0.316	45	GM, TOY	
21-1750-69	1-3/4	1.7570	1.415T	1.535	0.300	45	CHC, FTU	
21-1812-50	1-13/16	1.8195	1.490T	1.588	0.307	45	KIA, MAI, MAZ, NIS	
21-1812-51	1-13/16	1.8195	1.530T	1.670	0.307	45	HON, ISU, NIS	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
21-1812-52	1-13/16	1.8195	1.440T	1.490	0.315	45	GM, SUB	
21-1812-53	1-13/16	1.8195	1.420T	1.620	0.315	45	TOY	
21-1812-55	1-13/16	1.8195	1-1/2T	1.555	0.278	45	GM, NIS	
21-1812-56	1-13/16	1.8195	1.535		0.293	45	FOR, NII, NIS	
21-1812-59	1-13/16	1.8195	1.540T	1.635	0.250	45	VOL	
21-1812-60	1-13/16	1.8195	1.590T	1.622	0.450	45	MBZ	
21-1875-51	1-7/8	1.8820	1.575T	1.692	0.317	45	CHC, HYU, MAZ, MDI, MIT	
21-1875-55	1-7/8	1.8820	1.625T	1.715	0.352	45	MBZ	
21-1875-56	1-7/8	1.8820	1.600T	1.673	0.252	45	FOR	
21-1937-52	1-15/16	1.9445	1.573T	1.620	0.379	45	TOY	
21-1937-55	1-15/16	1.9445	1.640T	1.730	0.290	45	CHC	
21-2000-51	2.000	2.0070	1.690T	1.765	0.270	45	CHC, MIT	
21-2062-51	2-1/16	2.0695	1.750T	1.810	0.3900	45	GM	
21-2062-52	2-1/16	2.0695	1-3/4		0.280	45	CHC	
21-2187-50	2-3/16	2.1945	1.820T	2.024	0.3410	45	CHC	
21-2187-51	2.187	2.1940	1.950T	2.112	0.2250	45	FOR	
21-2250-50	2-1/4	2.2570	1-7/8		0.375	45	GM	
22-1028-1	1.02	1.0285	0.865T	0.9012	0.2510	45	CHC	
22-1088-1	1.088	1.0888	0.890T	0.955	0.221	45	CHC, MBT, MBZ	
22-1102-1	28mm	1.1024	0.787		0.315	45	METRIC UNIVERSAL	
22-1140-1	1.140	1.1400	1.0936T	0.9100T	0.2050	45	FOR	
22-1142-2	29mm	1.1417	0.827		0.335	45	METRIC UNIVERSAL	
22-1142-2N	29mm	1.1417	0.827		0.335	45	METRIC "N" SERIES	
22-1160-1	1.160	1.1600	0.960T	1.032	0.221	45	CHC, MBT, MBZ	
22-1166-1	1.166	1.1660	0.975		0.2510	45	CHC	
22-1175-1	1.175	1.1755	0.945T	1.032	0.2210	45	MBT, MBZ	
22-1181-1	30mm	1.1811	0.866		0.335	45	METRIC UNIVERSAL	
22-1181-1N	30mm	1.1811	22mm		8.5mm	45	METRIC "N" SERIES	
22-1218-1	1.218	1.2185	1.020T	1.123	0.2210	45	CHC, MBZ	
22-1221-2	31mm	1.2205	0.906		0.335	45	METRIC UNIVERSAL	
22-1221-2N	31mm	1.2205	0.906		0.335	45	METRIC "N" SERIES	
22-1260-1	32mm	1.2598	0.945		0.335	45	METRIC UNIVERSAL	020,030
22-1260-1N	32mm	1.2598	0.945		0.335	45	METRIC "N" SERIES	
22-1263-1	1.263	1.2630	1.025T	1.180	0.190	45	FOR	
22-1264-1	1.264	1.2645	0.977T	1.098	0.237	45	GDI, GM, ISU	
22-1297-1	1.297	1.2970	1.1200T	1.2506T	0.190	45	FOR	
22-1299-1	33mm	1.2992	0.984		0.335	45	METRIC UNIVERSAL	
22-1299-1N	33mm	1.2992	0.984		0.335	45	METRIC "N" SERIES	
22-1339-2	34mm	1.3386	1.024		0.335	45	METRIC UNIVERSAL	
22-1339-2N	34mm	1.3386	1.024		0.335	45	METRIC "N" SERIES	
22-1343-1	1.343	1.3430	1.069T	1.180	0.237	45	GDI, GM	
22-1345-1	1.345	1.345	1.165		0.246	45	FOR	
22-1375-1	1.3750	1.3750	1.100	1.140	0.227	30	CHC, CUM, FDI, FOR, GM, IHN	010
22-1375-2N	1.375	1.3750	1.100	1.125	0.227	45	CHC, CUM, FDI, FOR, IHN	005,010,020
22-1378-1	35mm	1.3780	1.024		0.354	45	METRIC UNIVERSAL	
22-1378-1N	35mm	1.3780	1.024		0.354	45	METRIC "N" SERIES	
22-1382-2	1.382	1.3820	1.100		0.300	45	MBT	
22-1417-1	36mm	1.4173	1.063		0.354	45	METRIC UNIVERSAL	
22-1417-1N	36mm	1.4173	1.063		0.354	45	METRIC "N" SERIES	
22-1450-1	1.450	1.450	1.194	1.295	0.279	45	ISU	
22-1457-2	37mm	1.4567	1.102		0.354	45	METRIC UNIVERSAL	
22-1457-2N	37mm	1.4567	1.102		0.354	45	METRIC "N" SERIES	
22-1469-1	1.469	1.4690	1.061		0.373	45	UNIVERSAL	
22-1470-1	1.470	1.4700	1.220R	1.260	0.244	30	JDR	
22-1496-1	38mm	1.4961	1.142		0.354	45	METRIC UNIVERSAL	
22-1496-1N	38mm	1.4961	1.142		0.354	45	METRIC "N" SERIES	
22-1501-1	1.500	1.500	1.279		0.275	45	FOR	
22-1502-1	1.502	1.502	1.224		0.2378	45	ISU 4HK1	
22-1502-2	1.502	1.502	1.232		0.2569	45	ISU 4HK1	
22-1516-1	1.516	1.5160	1-1/4		1/4	45	CHI, CHC	
22-1535-1	39mm	1.5354	1.181		0.354	45	METRIC UNIVERSAL	
22-1535-1N	39mm	1.5354	1.181		0.354	45	METRIC "N" SERIES	
22-1539-1	1.539	1.5395	1.294T	1.390	0.277	45	ISU	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
22-1540-2	1.540	1.5403	1.278		0.236	45	HIN	
22-1542-1	1.542	1.542	1.270		0.277	45	ISU 4BD1	
22-1575-3	40mm	1.5748	1.181		0.374	45	METRIC UNIVERSAL	
22-1578-1	1.578	1.5780	1.233T	1.323	0.315	45	MBT	
22-1578-2	1.578	1.5775	1.300T	1.331	0.317	45	IHN	
22-1614-1	41mm	1.6142	1.221		0.374	45	METRIC UNIVERSAL	
22-1619-1	1.619	1.619	1.3375		0.287	45	Hino J05	
22-1624-1N	1.624	1.6245	1-21/64		3/8	45	CHI, CHM, CHC	
22-1627-1	1.627	1.627	1.351	1.499	0.279	45	ISU	
22-1630-1	1.630	1.6300	1.335		0.312	45	FDI, FOR, FTA	
22-1630-1N	1.630	1.6300	1.335		0.312	45	"N" SERIES	010,020,030
22-1634-3	1.634	1.6340	1.360T	1.466	0.300	45	GM	
22-1634-3N	1.634	1.6340	1.360T	1.466	0.3000	45	GM	
22-1640-1	1.640	1.6400	1-3/8	1.422	0.248	45	CHM, CHC, FOR, FTU	010,020
22-1654-3	42mm	1.6535	1.260		0.374	45	METRIC UNIVERSAL	
22-1669-1	1.669	1.6690	1.372T	1.429	0.272	37	FDI, FOR, IHN	015,030
22-1693-4	43mm	1.6929	1.299		0.374	45	METRIC UNIVERSAL	
22-1696-4	1.696	1.6965	1.350T	1.453	0.3055	36	MBZ	
22-1697-1	1.697	1.6975	1.450T	1.542	0.276	45	GDI, GM, IDI, ISU	
22-1698-1	1.698	1.6979	1.452		0.277	45	4HG1	
22-1717-1	1.717	1.7175	1.355T	1.415	0.240	30	PAC	
22-1722-1	1.722	1.7220	1.357T	1.574	0.265	45	CAS, CHC, CUM, GM	
22-1732-1	44mm	1.7323	1.339		0.374	45	METRIC UNIVERSAL	
22-1733-2N	1.733	1.7330	1.455T	1.597	0.365	45	FDI, FOR	030
22-1744-1N	1.744	1.7440	1.445		0.312	45	FDI, FOR	
22-1772-2	45mm	1.7717	1.358		0.394	45	METRIC UNIVERSAL	
22-1781-1N	1.781	1.7810	1.476		0.311	45	FDI, FOR	
22-1784-1N	1.7845	1.7845	1.417T	1.563	0.292	45	GDI, GM	
22-1784-2N	1.784	1.7845	1.417		0.292	45	GDI, GM	
22-1811-1	46mm	1.8110	1.398		0.394	45	METRIC UNIVERSAL	
22-1815-1	1.815	1.8150	1.595		1/4	45	FDI, FOR	
22-1850-2	47mm	1.8504	1.437		0.394	45	METRIC UNIVERSAL	
22-1853-1	1.853	1.8530	1.498T	1.700	0.273	30	CAS, CHC, CUM, GM	
22-1857-4	1.857	1.8573	1.543		0.2827	45	ISU 4/6BD1	
22-1882-1S	1.882	1.8820	1.595		0.3190	30	DDA, MBT	
22-1890-2	48mm	1.8898	1.476		0.394	45	METRIC UNIVERSAL	
22-1890-2N	48mm	1.8898	1.476		0.394	45	METRIC "N" SERIES	
22-1894-1	1.894	1.8945	1.570T	1.660	0.292	30	GDI, GM, IDI, ISU	
22-1929-1	49mm	1.9291	1.516		0.394	45	METRIC UNIVERSAL	
22-1952-1	1.952	1.9520	1.660		0.345	45	GM	
22-1969-2	50mm	1.9685	1.535		0.413	45	METRIC UNIVERSAL	
22-1969-2N	50mm	1.9685	1.535		0.413	45	METRIC "N" SERIES	
22-1988-1	1.988	1.9881	1.653T	1.870	0.3740	45	BBC Rect Exh	
22-1988-2	1.988	1.98818	1.673T	1.8622	0.2952	45	BBC Oval Exh	
22-2008-2	51mm	2.0079	1.575		0.413	45	METRIC UNIVERSAL	
22-2013-1	2.013	2.0130	1.770T	1.801	0.288	45	GDI, GM, IDI, ISU	
22-2047-1	52mm	2.0472	1.614		0.413	45	METRIC UNIVERSAL	
22-2047-1N	52mm	2.0472	1.614		0.413	45	METRIC "N" SERIES	
22-2052-2	2.052	2.0525	1.803	1.835	0.289	45	ISU 4HG1	
22-2087-2	53mm	2.0866	1.654		0.413	45	METRIC UNIVERSAL	
22-2087-2N	53mm	2.0866	1.654		0.413	45	METRIC "N" SERIES	
22-2126-1	54mm	2.1260	1.693		0.413	45	METRIC UNIVERSAL	
22-2165-1	55mm	2.1654	1.732		0.433	45	METRIC UNIVERSAL	
22-2165-1N	55mm	2.1654	1.732		0.433	45	METRIC "N" SERIES	
22-2205-2	56mm	2.2047	1.772		0.433	45	METRIC UNIVERSAL	
22-2205-2N	56mm	2.2047	1.772		0.433	45	METRIC "N" SERIES	
22-2244-1	57mm	2.2441	1.811		0.433	45	METRIC UNIVERSAL	
22-2284-2	58mm	2.2835	1.850		0.433	45	METRIC UNIVERSAL	
22-2284-2N	58mm	2.2835	1.850		0.433	45	METRIC "N" SERIES	
22-2323-2N	59mm	2.3228	1.890		0.433	45	METRIC "N" SERIES	
22-2362-1N	60mm	2.3622	1.890		0.453	45	METRIC "N" SERIES	
22-2362-2	2.362	2.3622	2.0866	2.2440	0.3740	45	BBC Oval Int	
22-2402-1	61mm	2.4016	1.929		0.453	45	METRIC UNIVERSAL	

VALVE SEAT INSERT NUMERICAL LISTING

QC #	Nominal O.D.	Exact O.D.	I.D.	I.D. Top Taper	Depth	Seat Angle	Application	Oversizes Available
22-2441-1	62mm	2.4410	1.969		0.453	45	METRIC UNIVERSAL	
22-2441-1N	62mm	2.4409	1.969		0.453	45	METRIC "N" SERIES	
22-2441-2	2.440	2.44094	2.1062	2.2834	0.346	45	BBC Rect Int	
22-2520-1N	64mm	2.5197	2.047		0.453	45	METRIC "N" SERIES	

METRIC UNIVERSAL VALVE SEAT NUMERICAL LISTING

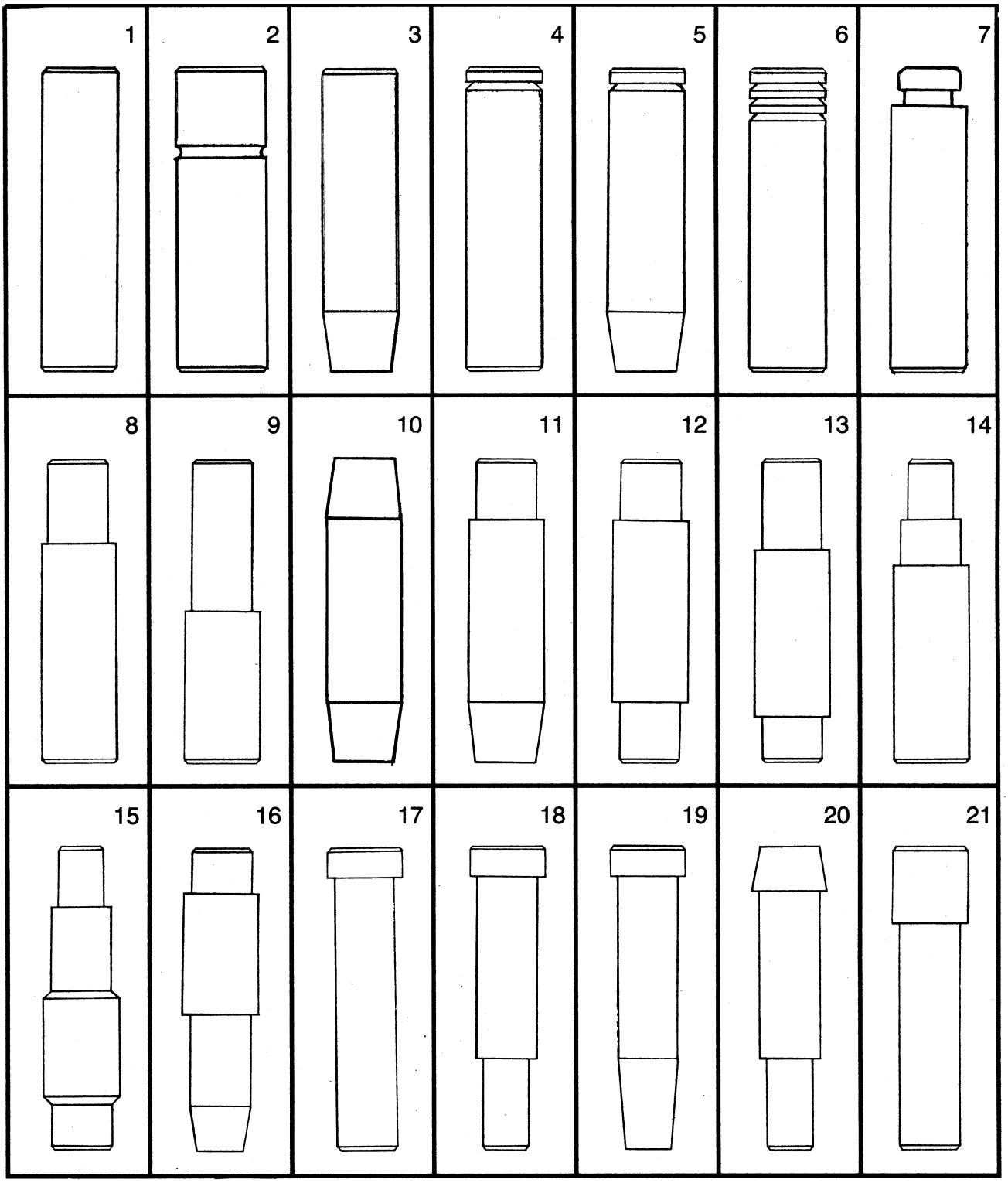
Universal Valve Seat Inserts For Use With Metric Cutters

For All Items Listed On This Page, Add an N Suffix for Nickel, Non-Magnetic Material.

QC #	Cutter Size	Exact O.D.	I.D.		Depth		Seat Angle
			MM	Inches	MM	Inches	
22-1102-1	28mm	1.1024	20	0.787	8	0.315	45
22-1142-2	29mm	1.1417	21	0.827	8.5	0.335	45
22-1181-1	30mm	1.1811	22	0.866	8.5	0.335	45
22-1221-2	31mm	1.2205	23	0.906	8.5	0.335	45
22-1260-1	32mm	1.2598	24	0.945	8.5	0.335	45
22-1299-1	33mm	1.2992	25	0.984	8.5	0.335	45
22-1339-2	34mm	1.3386	26	1.024	8.5	0.335	45
22-1378-1	35mm	1.3780	26	1.024	9	0.354	45
22-1417-1	36mm	1.4173	27	1.063	9	0.354	45
22-1457-2	37mm	1.4567	28	1.102	9	0.354	45
22-1496-1	38mm	1.4961	29	1.142	9	0.354	45
22-1535-1	39mm	1.5354	30	1.181	9	0.354	45
22-1575-3	40mm	1.5748	30	1.181	9.5	0.374	45
22-1614-1	41mm	1.6142	31	1.221	9.5	0.374	45
22-1654-3	42mm	1.6535	32	1.260	9.5	0.374	45
22-1693-4	43mm	1.6929	33	1.299	9.5	0.374	45
22-1732-1	44mm	1.7323	34	1.339	9.5	0.374	45
22-1772-2	45mm	1.7717	34.5	1.358	10	0.394	45
22-1811-1	46mm	1.8110	35.5	1.398	10	0.394	45
22-1850-2	47mm	1.8504	36.5	1.437	10	0.394	45
22-1890-2	48mm	1.8898	37.5	1.476	10	0.394	45
22-1929-1	49mm	1.9291	38.5	1.516	10	0.394	45
22-1969-2	50mm	1.9685	39	1.535	10.5	0.413	45
22-2008-2	51mm	2.0079	40	1.575	10.5	0.413	45
22-2047-1	52mm	2.0472	41	1.614	10.5	0.413	45
22-2087-2	53mm	2.0866	42	1.654	10.5	0.413	45
22-2126-1	54mm	2.1260	43	1.693	10.5	0.413	45
22-2165-1	55mm	2.1654	44	1.732	11	0.433	45
22-2205-2	56mm	2.2047	45	1.772	11	0.433	45
22-2244-1	57mm	2.2441	46	1.811	11	0.433	45
22-2284-2	58mm	2.2835	47	1.850	11	0.433	45
22-2323-2	59mm	2.3228	48	1.890	11	0.433	45
22-2362-1	60mm	2.3622	48	1.890	11.5	0.453	45
22-2402-1	61mm	2.4016	49	1.929	11.5	0.453	45
22-2441-1	62mm	2.4410	50	1.969	11.5	0.453	45
22-2480-1	63mm	2.4803	51	2.008	11.5	0.453	45
22-2520-1	64mm	2.5197	52	2.047	11.5	0.453	45
22-2559-1	65mm	2.5591	53	2.087	11.5	0.453	45
22-2677-1	68mm	2.6772	55	2.165	12	0.472	45
22-2756-1	70mm	2.7559	57	2.244	12	0.472	45

VALVE GUIDE TYPE SHAPES FOR NUMERICAL LISTING

Valve Guide Type Shapes Are NOT Drawn To Scale. These Drawings Should Be Used As A General Guide In Determining The Shape Of The Valve Guide.



VALVE GUIDE TYPE SHAPES FOR NUMERICAL LISTING

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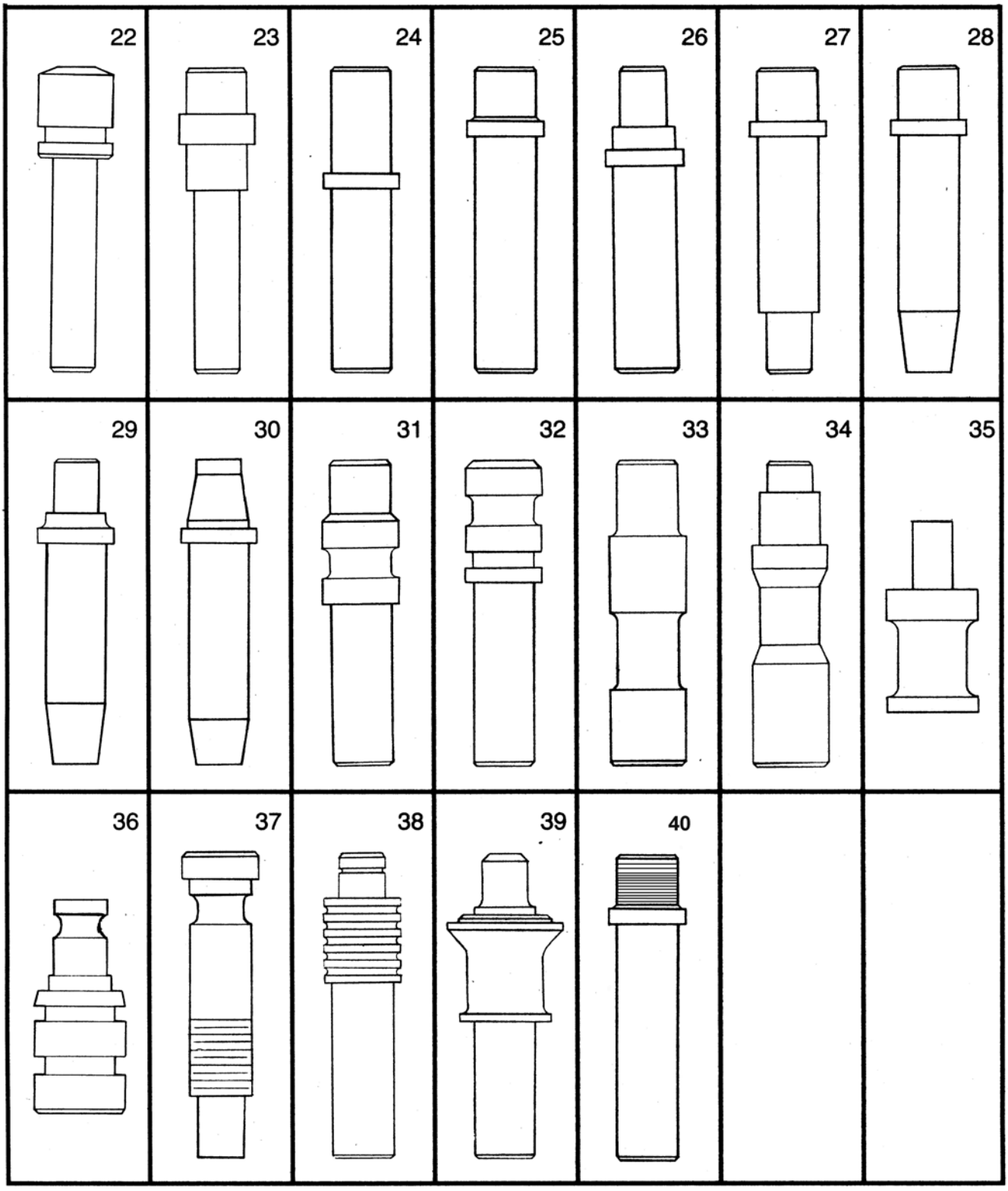

VALVE GUIDE NUMERICAL LISTING

Material: **CAST IRON**

QC #	I.D.	O.D	Length	Type	Application
30-1337	0.3445	0.6575	2.813	11-P	CHI, CHM, CHC
30-1338	0.3425	0.6575	2.813	11-P	CHI, CHM, CHC
30-1342	0.3750	0.6580	3.063	11-P	CHC
30-1384	0.3745	0.6265	3.063	8-P	GM
30-1411	0.3440	0.6890	3.078	3-P	GM
30-1453	0.3435	0.5655	3.219	8-P	GM
30-1476	0.3432	0.5655	2.188	1-P	GM
30-1504	0.3750	0.6580	2.750	13-P	CHC
30-1515	0.3427	0.6575	2.563	11-P	CAS, CHC, CON, MAC
30-1527	0.3435	0.5650	2.438	1-P	GM
30-1613	0.3435	0.6575	2.922	3-P	FOR
30-1614	0.3435	1.0305	2.210	36-P	FOR, FTA
30-1689	0.3445	0.5645	2.625	3-P	GM
30-1690	0.3435	0.5645	3.000	3-P	GM
30-1704	0.3750	0.6580	2.375	8-P	CHC
30-1732	0.3435	0.5650	3.344	8-P	GM
30-1733	0.3745	0.6265	2.750	10-P	GM
30-1740	0.3745	0.6895	2.813	1-P	CHC, CHI
30-1745	0.3445	0.5638	2.266	8-SR	GM
30-1758	0.3435	0.5650	2.188	1-P	GM
30-1803	0.3745	0.6895	2.938	13-P	CHC, CHI
30-1819	0.3437	0.6010	2.250	3-P	CHC
30-1878	0.3973	0.6580	2.375	1-SR	GM
30-1900	0.3425	0.6270	2.180	11-P	CHC
30-1972	0.3740	0.6205	2.630	12-P	GM
30-1973	0.3735	0.6255	2.420	8-P	GM
30-3009	0.2763	0.5110	2.289	1-P	GM
30-3009+2	0.2763	0.5130	2.289	1-P	GM
30-3010	0.2355	0.3950	1.773	8-P	GM
30-3011	0.2355	0.3950	1.378	8-P	GM
30-3012	0.3175	0.5339	2.540	8-P	FOR
30-3015	0.3420	0.5020	2.120	21-P	GM
30-3016	0.3420	0.5020	2.210	21-P	GM
30-3019	0.2360	0.4355	1.618	1-P	CHC
30-3020	0.2366	0.4493	1.510	1-SR	GM
30-3021	0.2776	0.5015	1.937	21-SR	CHC, CUM
30-3022	0.2776	0.5015	2.018	21-SR	CHC, CUM
30-3023	0.2751	0.4934	2.275	4-SR	CHC
30-3023+2	0.2751	0.4954	2.275	4-SR	CHC
30-3024	0.3735	0.6203	2.620	9-SR	GDI, GM
30-3025	0.3735	0.6265	2.250	9-SR	GDI, GM
30-3026	0.2752	0.4720	1.702	1-P	CHC
30-3026+2	0.2752	0.4740	1.702	1-P	CHC
30-3028	0.2175	0.3774	1.455	1-SR	FOR
30-3029	0.2365	0.3950	1.420	1-P	GM
30-3031	0.3145	0.5250	2.185	1-SR	CHC
30-3032	0.3155	0.5250	2.185	1-SR	CHC
30-3033	0.2776	0.5015	1.937	21-SR	CHC, CUM
30-3034	0.2776	0.5015	2.020	21-SR	CHC, CUM
30-3046	0.2365	0.4355	1.575	1-P	DAE, GM
30-3047	0.2370	0.4360	1.724	1-SR	FOR
30-3048	0.2768	0.4747	2.500	21-SR	FOR, MAZ
30-3049	0.2755	0.4547	1.967	4-P	GDI, GM
30-3053	0.3154	0.5000	2.115	1-SR	GM
30-3053H	0.3154	0.5000	2.115	1-SR	GM LS1
30-3054	0.3547	0.5526	2.365	1-P	GDI, GM, IDI, ISU
30-3055	0.2765	0.4395	2.331	21-P	FDI, FOR, IHN
30-3066	0.2768	0.4390	2.200	1-SR	FOR
30-3067	0.3155	0.5525	2.085	1-SR	GM
30-3070	0.2170	0.4345	1.535	1-P	FOR
30-3080	0.2775	0.4395	1.937	1-SR	CHC, CUM
30-3081	0.2775	0.4395	2.020	1-SR	CHC, CUM
30-3082	0.1830	0.3950	1.562	8P	GM
30-3083	0.2150	0.3960	1.900	4-P	HYU
30-3101	0.3150	0.5526	2.245	11-P	GM,ISU
30-3112	0.2365	0.4358	1.655	1-SR	GM
30-3118	0.2360	0.4360	1.556	5-SR	SUB
30-3119	0.2360	0.4360	1.872	5-SR	SUB
30-3129	0.2167	0.3760	1.660	5-P	KIA
30-3130	0.2175	0.4075	1.715	5-P	TOY
30-3134	0.2175	0.4073	1.630	5-P	TOY
30-3135	0.2175	0.4072	1.850	5-P	TOY
30-3136	0.2173	0.4370	1.630	6-SR	HON
30-3137	0.2173	0.4370	1.790	6-SR	HON
30-3142	0.2755	0.4547	1.967	1-P	GDI, GM
30-3149	0.2752	0.4720	1.820	1-P	CHC
30-3152	0.2168	0.4348	1.655	1-P	HYU, KIA
30-3154	0.2168	0.4358	1.740	1-P	HYU
30-3156	0.3145	0.5250	2.185	8-SR	CHC
30-3162	0.2372	0.4352	1.535	2-P	MAZ
30-3163	0.2764	0.4725	2.150	1-P	FDI, FOR
30-3165	0.3142	0.5250	2.185	1-P	CHC
30-3165+2	0.3142	0.5270	2.185	1-P	CHC
30-3166	0.2373	0.4395	1.715	1-P	FOR
30-3168	0.2361	0.4355	1.655	1-P	BMW
30-3170	0.2177	0.4355	1.395	1-P	FOR
30-3179	0.1966	0.3947	1.541	8-P	GM
30-3182	0.2365	0.4355	1.815	8-P	CHC
30-3182+2	0.2365	0.4355	1.815	8-P	CHC
30-3204	0.3150	0.5000	2.235	1-SR	GM
30-3213	0.1966	0.3952	1.540	8-P	GM
30-3215	0.2155	0.4160	1.515	1-P	FOR
30-3216	0.2760	0.4350	2.081	5-P	GM
30-3217	0.2150	0.4350	1.602	1-P	NIS
30-3218	0.2120	0.3970	1.458	5-SR	SUB
30-3219	0.2120	0.3970	1.752	5-SR	SUB
30-3220	0.1973	0.3950	1.520	1P	CHC
30-3221	0.2165	0.4130	1.693	5-P	TOY
30-3229	0.3146	0.5145	2.240	1-P	FOR
30-3244	0.1950	0.3750	1.752	5-P	NIS
30-3245	0.1935	0.3750	1.753	5-P	NIS
30-3255	0.2750	0.4940	1.476	8-P	CHC, MBT, MBZ
30-3256	0.2106	0.4350	1.766	7-P	DAE
30-3257	0.3145	0.5020	2.440	21-SR	FOR, IHN
30-3276	0.3146	0.5524	2.362	8-P	DDA, MBT
30-3279	0.1980	0.3950	1.463	8-P	GM
30-3285	0.2950	0.5525	2.363	8-P	MER
30-3288	0.1970	0.4160	1.360	8-SR	BMW
30-3289	0.2165	0.3750	1.753	5-P	NIS
30-3290	0.1972	0.3630	1.661	5-P	NIS
30-3292				1-P	VOK
30-3293	0.2165	0.3960	1.889	1-P	HYU
30-3295				1-P	FOR
30-3296	0.3135	0.5140	2.210	1-P	FOR
30-3297	0.316	0.5530	2.245	2-P	ISU
30-3298	0.356	0.5530	2.369	2-P	ISU
30-3299	0.355	0.5530	2.357	1-P	ISU
30-3300	0.318/0.	0.5138	2.380	7-P	Hino J05
30-3301	0.3570	0.5535	2.360	2-P	NIS FD6T,FE6T
30-3302	0.3145	0.5528	1.971	8-P	ISU 4JB1
30-4207	0.2765	0.5020	2.000	1-SR	Conversion
30-5604+2	0.3440	0.5040	2.625	1-P	Conversion
30-5606	0.3440	0.5020	2.375	1-P	FOR, GM
30-5607	0.3440	0.5020	2.250	1-P	Conversion

VALVE GUIDE NUMERICAL LISTING

QC #	I.D.	O.D	Length	Type	Application
30-5608	0.3750	0.5020	2.125	1-P	Conversion
30-5609	0.4375	0.6270	2.625	1-P	Conversion
30-5609+2	0.4375	0.6290	2.625	1-P	Conversion
30-5610	0.3750	0.5020	2.625	1-P	Conversion
30-5611	0.2510	0.4390	2.313	1-P	Conversion
30-5612	0.3440	0.5020	2.875	1-P	Conversion
30-6097	0.3155	0.4751	2.625	18-SR	VOK
30-6105	0.3440	0.5020	2.500	1-P	Conversion
30-6105U	0.3390	0.5020	2.500	1-P	Conversion
30-6106	0.3430	0.5020	2.750	1-P	Conversion
30-6107	0.3740	0.5020	2.250	1-P	Conversion
30-6108	0.3740	0.5020	2.375	1-P	Conversion
30-6109	0.3740	0.5020	2.500	1-P	Conversion
30-6110	0.3740	0.5020	2.625	1-P	Conversion
30-6111	0.3740	0.5020	2.875	1-P	Conversion
30-6112	0.3745	0.5020	2.250	1-P	Conversion
30-6113	0.3745	0.5020	2.375	1-P	Conversion
30-6114	0.3750	0.5020	2.500	1-P	Conversion
30-6115	0.3750	0.5020	2.750	1-P	Conversion
30-6116	0.4375	0.6270	3.125	1-P	Conversion
30-6119	0.4375	0.6270	2.500	1-P	Conversion
30-6214H	0.1966	0.3745	1.420	1-P	FOR
30-6523	0.3440	0.5020	3.063	1-P	Conversion
30-6587	0.3135	0.4390	2.500	1-SR	Conversion
30-6850	0.3720	0.5020	2.625	1-P	Conversion
30-6867	0.3440	0.5020	2.125	1-P	Conversion
30-6869	0.3125	0.4390	1.875	1-P	Conversion
30-6873	0.3450	0.5020	2.125	1-P	Conversion
30-6896H	0.3120	0.4390	2.875	1-SR	CHC
30-6897H	0.3120	0.4390	2.188	1-SR	CHC
30-6905	0.3750	0.6270	3.969	1-SR	Conversion
30-6977	0.3120	0.5020	2.281	1-P	Conversion
30-7198	0.3175	0.5020	2.000	8-P	FOR, MAZ
30-7205	0.3120	0.5020	2.000	8-P	FOR, FOI
30-7206	0.3440	0.5020	2.188	21-P	FOR
30-7248	0.3750	0.5640	2.750	1-SR	Conversion, JDR
30-7259	0.3430	0.5020	3.063	1-P	Conversion
30-7260	0.3730	0.5020	2.875	1-P	Conversion
30-7271	0.3440	0.5640	2.375	1-SR	Conversion
30-7272	0.3440	0.5640	2.250	1-SR	Conversion
30-7276	0.3740	0.5640	2.375	1-SR	Conversion
30-7277	0.3740	0.5640	2.500	1-SR	Conversion
30-7278	0.3430	0.5640	3.063	1-SR	Conversion
30-7279	0.3730	0.5640	2.875	1-SR	Conversion
30-7291	0.3730	0.5640	2.375	1-SR	Conversion
30-7298	0.3730	0.5020	2.375	1-P	Conversion
30-7359	0.3155	0.4765	1.435	29-SR	CHC, VOK
30-7429N	0.3145	0.4937	1.575	4-P	CHC
30-7429N+2	0.3145	0.4957	1.575	4-P	CHC
30-7447	0.3740	0.5640	2.625	1-SR	Conversion, CAT
30-7448	0.3750	0.5640	3.000	1-SR	Conversion, CAT
30-7451N	0.3145	0.4937	1.693	4-P	CHC
30-7451N+2	0.3145	0.4957	1.693	4-P	CHC
30-7458	0.3740	0.5020	3.063	1-P	Conversion
30-7459	0.3430	0.5020	2.375	1-P	Conversion
30-7460	0.3430	0.5020	2.500	1-P	Conversion
30-7462	0.3185	0.5535	1.990	6-P	MAZ
30-7473	0.3530	0.5145	2.400	19-SR	VOK
30-7499	0.3155	0.4745	2.313	5-SR	NIS
30-7499+6	0.3155	0.4805	2.313	5-SR	NIS
30-7507	0.3420	0.5640	2.250	1-SR	Conversion
30-7523	0.3160	0.5145	2.260	5-SR	TOY
30-7523+2	0.3160	0.5165	2.260	5-SR	TOY
30-7527	0.3160	0.5640	2.360	8-SR	TOI, TOY
30-7528	0.3160	0.5640	2.765	8-SR	TOI, TOY
30-7529	0.3160	0.5525	2.322	8-SR	TOI, TOY
30-7532	0.3155	0.5525	2.130	5-SR	TOI, TOY
30-7540	0.3160	0.5145	1.970	3-SR	TOY
30-7541	0.3155	0.5145	1.980	10-SR	TOY
30-7542	0.3155	0.4745	1.930	2-SR	NII, NIS
30-7545	0.3160	0.4745	1.930	2-SR	NII, NIS
30-7546	0.3115	0.4390	3.063	1-P	Conversion
30-7552	0.3440	0.5640	2.875	1-SR	Conversion, DDA
30-7554	0.3730	0.5020	2.750	1-P	Conversion
30-7560	0.3440	0.5020	2.000	1-P	Conversion
30-7574	0.3160	0.5145	1.848	5-SR	CHC, MAZ, MII, MIT
30-7574+2	0.3160	0.5165	1.848	5-SR	CHC, MAZ, MII, MIT
30-7575	0.3160	0.5145	2.046	5-SR	CHC, MAZ, MII, MIT
30-7575+2	0.3160	0.5165	2.046	5-SR	CHC, MAZ, MII, MIT
30-7576	0.3160	0.5145	1.735	5-SR	CHC, HYU, MII, MIT
30-7576+2	0.3160	0.5165	1.735	5-SR	CHC, HYU, MII, MIT
30-7577	0.3160	0.5145	1.890	5-SR	CHC, HYU, MII, MIT
30-7577+2	0.3160	0.5165	1.890	5-SR	CHC, HYU, MII, MIT
30-7578	0.2600	0.4755	1.730	5-P	CHC, HYU, MIT
30-7588	0.3440	0.5640	2.625	1-SR	Conversion
30-7589+2	0.2600	0.4775	1.950	5-P	CHC, HYU, MIT
30-7656	0.3145	0.5530	1.970	2-P	GM, IDI, ISU
30-7659	0.2610	0.4755	2.165	4-SR	HON
30-7659+2	0.2630	0.4775	2.165	4-SR	HON
30-7661	0.3145	0.5020	1.575	4-P	CHC
30-7662	0.3145	0.5020	1.693	4-P	CHC
30-7669	0.3735	0.5020	3.969	1-SR	Conversion
30-7679	0.3120	0.5020	2.380	1-P	Conversion
30-7681	0.3735	0.5020	2.598	1-P	Conversion, CAT
30-7689	0.3745	0.6252	2.600	1-P	FDI, FOR, IHN
30-7710	0.2765	0.4755	2.168	6-P	HON
30-7710+2	0.2765	0.4775	2.168	6-P	HON
30-7711	0.2765	0.4755	1.965	5-P	HON
30-7712	0.3740	0.6270	2.600	1-P	Conversion
30-7713	0.3145	0.4745	1.810	2-P	ISU, GM
30-7713+2	0.3145	0.4765	1.810	2-P	ISU, GM
30-7714	0.3145	0.4740	2.160	2-P	ISU, GM
30-7714+2	0.3145	0.4760	2.160	2-P	ISU, GM
30-7715	0.3430	0.5020	2.125	1-P	Conversion
30-7822	0.3175	0.5350	2.525	7-P	FOR
30-7823	0.3175	0.5655	2.525	7-P	FOR
30-7825	0.2760	0.4745	2.167	4-SR	NIS
30-7826	0.2760	0.4350	1.770	3-SR	NII, NIS
30-7828	0.3155	0.4745	2.660	5-SR	NII, NIS
30-7830	0.2605	0.4755	1.970	5-SR	HON
30-7847	0.3135	0.5020	2.250	17-SR	CHC
30-7850	0.3155	0.5145	2.800	5-SR	CHC, FOR, HYU, MII, MIT
30-7851	0.3155	0.5145	2.920	5-SR	CHC, FOR, HYU, MII, MIT
30-7852	0.3145	0.4765	1.670	30-SR	CHC, VOK
30-7873	0.2760	0.4423	2.315	11-SR	NIS, FOR
30-7907	0.3420	0.5020	2.375	1-P	Conversion
30-7908	0.3425	0.5020	2.250	1-P	Conversion
30-7946	0.3430	0.5020	2.250	1-P	Conversion
30-7946+2	0.3430	0.5040	2.250	1-P	Conversion
30-7999	0.3740	0.6205	2.200	15-SR	GM
30-8014	0.2762	0.4550	1.695	5-SR	ISU, GM
30-8016	0.2757	0.4760	1.895	5-SR	SUZ, GM
30-8017	0.3160	0.4820	2.500	7-SR	NIS, FOR
30-8021	0.2757	0.4550	1.930	5-SR	TOY, GM

P = Plain (Smooth) I.D. **SR = Spiral Reamed I.D.**

-H Suffix Denotes Hardened Guide

VALVE GUIDE NUMERICAL LISTING

QC #	I.D.	O.D	Length	Type	Application
30-8037	0.3730	0.4813	2.615	21-SR	FOR
30-8038	0.2371	0.4350	1.595	5-SR	TOY, GM
30-8039	0.2771	0.4342	1.790	5-SR	GM
30-8040	0.3150	0.5020	2.250	1-SR	Conversion
30-8112	0.3155	0.5530	2.085	11-SR	GM
30-8112+2	0.3155	0.5550	2.085	11-SR	GM
30-8113	0.3740	0.6205	2.435	18-SR	GDI, GM
30-8114	0.3155	0.5830	2.770	8-SR	GM
30-8115	0.3155	0.5830	2.320	8-SR	GM
30-8124	0.2767	0.5140	1.740	2-SR	GM
30-8124+2	0.2767	0.5160	1.740	2-SR	GM
30-8139	0.2765	0.4765	1.483	29-SR	VOK
30-8142	0.2765	0.4760	2.088	3-SR	MAZ, FOR
30-8143	0.3153	0.5145	2.260	5-SR	SUB
30-8144	0.2170	0.4365	1.690	5-SR	SUZ
30-8145	0.2760	0.4745	2.166	5-SR	SUB
30-8146	0.2760	0.4745	2.325	5-SR	MAZ, SUB
30-8147	0.2370	0.4360	1.520	5-SR	GM, HYU, TOY
30-8155	0.2605	0.4765	1.975	4-SR	HON
30-8157	0.2173	0.4360	2.130	4-SR	HON
30-8158	0.2173	0.4360	1.875	4-SR	HON
30-8172	0.3173	0.5533	2.177	1-SR	MAZ
30-8173	0.2370	0.4360	1.775	4-SR	FOR, MAZ
30-8174	0.2370	0.4360	1.808	4-SR	MAZ
30-8177	0.3162	0.5525	2.382	1-SR	CAS, CHC, CUM, GM
30-8178	0.3162	0.5525	2.037	1-SR	CAS, CHC, CUM, GM
30-8180	0.3430	0.5577	2.275	1-SR	GM
30-8186	0.2371	0.4355	1.920	4-SR	MAZ
30-8187	0.2371	0.4355	1.920	5-SR	MAZ
30-8189	0.2340	0.4350	1.650	4-SR	ISU, GM
30-8190	0.2365	0.3950	1.580	5-SR	NIS
30-8192	0.2760	0.4745	2.280	5-SR	NIS
30-8193	0.2600	0.4755	1.795	5-SR	CHC, MIT
30-8194	0.2600	0.4755	1.990	5-SR	CHC, MIT
30-8195	0.2371	0.4355	1.600	4-SR	TOY
30-8196	0.3355	0.5530	2.400	5-SR	TOY
30-8201	0.3160	0.5145	1.970	4-SR	TOI, TOY
30-8203	0.2367	0.4365	2.065	5-SR	SUB
30-8203+2	0.2367	0.4385	2.065	5-SR	SUB
30-8204	0.2760	0.4350	1.550	4-SR	NIS
30-8205	0.2755	0.4745	1.990	3-SR	MAZ, FOR
30-8207	0.3160	0.5140	1.820	4-SR	TOY
30-8207+2	0.3160	0.5160	1.820	4-SR	TOY
30-8209	0.3155	0.4680	2.045	1-SR	NII, NIS
30-8211	0.2760	0.4350	2.070	5-SR	NIS
30-8212	0.3155	0.4745	2.205	4-SR	NIS
30-8213	0.2170	0.3760	1.575	4-SR	NIS
30-8214	0.2367	0.3955	1.970	5-SR	NIS
30-8216	0.2365	0.3955	1.690	5-SR	NIS
30-8217	0.2365	0.3955	1.690	4-SR	NIS
30-8218	0.2170	0.3760	1.575	5-SR	KIA, NIS
30-8219	0.3155	0.4935	2.275	4-SR	CHC
30-8219+2	0.3145	0.4955	2.275	4-SR	CHC
30-8225	0.3160	0.5645	1.848	7-SR	CHC, MIT
30-8226	0.3160	0.5645	2.046	7-SR	CHC, MIT
30-8233	0.2750	0.4350	1.890	4-SR	NIS
30-8255	0.2370	0.4355	1.810	5-SR	ISU, GM
30-8256	0.3740	0.6163	2.755	19-SR	GDI, GM
30-8273	0.2365	0.4355	1.890	4-SR	TOY
30-8274	0.2765	0.4953	1.930	1-SR	FOR
30-8274+2	0.2765	0.4973	1.930	1-SR	FOR
30-8291	0.2350	0.4355	1.850	5-SR	GM
30-8292	0.2755	0.4495	2.125	1-SR	GM
30-8293	0.2755	0.4495	1.510	1-SR	GM
30-8324	0.2170	0.4365	1.260	5-SR	GM
30-8324+2	0.2170	0.4385	1.260	5-SR	GM
30-8351	0.3735	0.6200	2.227	16-P	GM
30-8388	0.2760	0.4345	2.315	5-SR	FOR, NIS
30-8388+2	0.2760	0.4365	2.315	5-SR	FOR, NIS
30-8389	0.3160	0.4740	2.500	4-SR	FOR, NIS
30-8397	0.2173	0.4765	1.640	6-SR	HON
30-8407	0.3730	0.6205	2.220	33-SR	GDI, GM
30-8409	0.3730	0.6270	2.680	1-SR	FDI, FOR
30-8419	0.3125	0.4934	1.693	4-SR	CHC
30-8446	0.3435	0.5020	2.125	4-SR	GM
30-8494	0.3135	0.5020	2.436	21-SR	CHC
30-8535	0.2757	0.5830	2.320	8-SR	GM
30-8536	0.2757	0.5830	2.770	8-SR	GM
30-8541	0.2370	0.4355	2.205	5-SR	MAZ
30-8544	0.2365	0.3955	1.940	4-SR	NIS
30-8545	0.3440	0.4990	2.250	1-SR	FOR
30-8547	0.2760	0.4950	2.200	3-SR	CHC
30-8548	0.2750	0.4545	2.040	3-SR	CHC
30-8551	0.3155	0.5315	2.045	1-SR	VOL
30-8552	0.2745	0.4725	1.770	8-SR	VOL
30-8553	0.3145	0.5315	2.045	12-SR	VOL
30-8554	0.2355	0.4360	1.790	4-SR	CHC, MIT
30-8554+2	0.2355	0.4380	1.790	4-SR	CHC, MIT
30-8555	0.2355	0.4360	1.835	1-SR	CHC
30-8555+2	0.2355	0.4380	1.835	1-SR	CHC
30-8556	0.2355	0.4360	1.735	1-SR	CHC, MIT
30-8557	0.2755	0.4550	2.300	8-SR	CHC
30-8558	0.2765	0.4765	1.435	29-SR	VOK
30-8559	0.2365	0.4360	1.575	4-SR	FOR
30-8560	0.2370	0.4955	1.880	1-SR	FOR
30-8561	0.2370	0.4360	1.490	5-SR	FOR, MAZ
30-8562	0.3145	0.5640	2.440	1-SR	Conversion
30-8564	0.2365	0.4365	1.280	4-SR	SUB
30-8565	0.2365	0.4365	1.595	4-SR	SUB
30-8566	0.2360	0.4365	1.380	4-SR	GM, SUZ
30-8567	0.2360	0.4360	1.750	4-SR	HYU
30-8569	0.2360	0.4360	1.990	4-SR	CHC
30-8571	0.2360	0.4360	1.990	4-SR	CHC, MIT
30-8572	0.2360	0.4360	1.690	5-SR	HYU
30-8573	0.2360	0.4360	1.540	5-SR	HYU
30-8574	0.2765	0.4955	2.200	1-SR	FOR
30-8575	0.2765	0.4955	2.050	1-SR	FOR
30-8577	0.2175	0.4765	1.870	11-SR	HON
30-8579	0.2605	0.4755	1.970	4-SR	HON
30-8581	0.2605	0.4765	1.695	4-SR	HON
30-8582	0.2170	0.4765	1.715	5-SR	HON
30-8583	0.2170	0.4765	2.045	4-SR	HON
30-8584	0.2175	0.4075	1.360	5-SR	TOY
30-8585	0.2175	0.4075	1.590	5-SR	TOY
30-8586	0.2765	0.4550	1.660	4-SR	TOY
30-8588	0.2807	0.5830	2.320	8-SR	GM, ISU
30-8593	0.2755	0.5120	1.640	1-SR	GM
30-8659	0.3135	0.5015	3.081	21-SR	CHC
30-8662	0.2388	0.4736	1.421	2-SR	FOR
30-8663	0.2760	0.4725	1.740	2-SR	FOR
30-8668	0.2360	0.4333	1.500	2-SR	GM
30-8670	0.2354	0.4350	1.654	2-SR	GM
30-8671	0.2353	0.4350	1.654	5-SR	GM
30-8675	0.2765	0.4955	1.930	8-SR	FOR
30-9105	0.3440	0.5020	2.500	1-SR	Conversion
30-9106	0.3430	0.5020	2.750	1-SR	Conversion

P = Plain (Smooth) I.D. **SR = Spiral Reamed I.D.**

-H Suffix Denotes Hardened Guide

VALVE GUIDE NUMERICAL LISTING

QC #	I.D.	O.D	Length	Type	Application
30-9107	0.3740	0.5020	2.250	1-SR	GDI, GM
30-9108	0.3740	0.5020	2.375	1-SR	Conversion
30-9108H	0.374	0.5020	2.375	1-SR	Conversion
30-9109	0.3740	0.5020	2.500	1-SR	FOR, FDI
30-9110	0.3740	0.5020	2.625	1-SR	Conversion
30-9111	0.3740	0.5020	2.875	1-SR	Conversion
30-9112	0.3745	0.5020	2.250	1-SR	Conversion
30-9113	0.3745	0.5020	2.375	1-SR	Conversion
30-9114	0.3750	0.5020	2.500	1-SR	Conversion
30-9115	0.3750	0.5020	2.750	1-SR	Conversion
30-9116	0.4375	0.6270	3.125	1-SR	Conversion
30-9119	0.4375	0.6270	2.500	1-SR	Conversion
30-9198	0.3175	0.5020	2.000	8-SR	FOR, MAZ
30-9204	0.3150	0.4390	2.200	1-SR	Conversion
30-9205	0.3120	0.5020	2.000	8-SR	FOR
30-9206	0.3440	0.5020	2.188	21-SR	FOR
30-9208	0.3740	0.6205	2.740	12-SR	GM
30-9259	0.3430	0.5020	3.063	1-SR	Conversion
30-9260	0.3730	0.5020	2.875	1-SR	Conversion
30-9298	0.3730	0.5020	2.375	1-SR	Conversion
30-9458	0.3740	0.5020	3.063	1-SR	Conversion
30-9458H	0.374	0.5020	3.063	1-SR	Conversion
30-9459	0.3430	0.5020	2.375	1-SR	Conversion
30-9459+2	0.3430	0.5040	2.375	1-SR	Conversion
30-9460	0.3430	0.5020	2.500	1-SR	Conversion
30-9460+2	0.3430	0.5040	2.500	1-SR	Conversion
30-9460H	0.3430	0.5020	2.500	1-SR	Conversion
30-9523	0.3440	0.5020	3.063	1-SR	Conversion
30-9523H	0.3440	0.5020	3.063	1-SR	Conversion
30-9554	0.3730	0.5020	2.750	1-SR	Conversion
30-9560	0.3440	0.5020	2.000	1-SR	Conversion
30-9561	0.3450	0.5020	2.375	1-SR	Conversion
30-9604	0.3440	0.5020	2.625	1-SR	Conversion
30-9606	0.3440	0.5020	2.375	1-SR	Conversion
30-9607	0.3440	0.5020	2.250	1-SR	Conversion
30-9607H	0.3440	0.5020	2.250	1-SR	Conversion
30-9609	0.4378	0.6270	2.625	1-SR	FDI, FOR
30-9610	0.3750	0.5020	2.625	1-SR	Conversion
30-9611	0.2510	0.4390	2.313	1-SR	Conversion
30-9612	0.3440	0.5020	2.875	1-SR	Conversion
30-9690	0.3150	0.5020	2.375	1-SR	Conversion
30-9705	0.3155	0.5020	2.000	1-SR	Conversion
30-9715	0.3430	0.5020	2.125	1-SR	Conversion
30-9846	0.3440	0.5020	2.313	21-SR	FOR
30-9848	0.3135	0.5020	2.438	1-SR	Conversion
30-9850	0.3720	0.5020	2.625	1-SR	Conversion
30-9867	0.3440	0.5020	2.125	1-SR	Conversion
30-9869	0.3125	0.4390	1.875	1-SR	Conversion
30-9872	0.3120	0.4390	2.281	1-SR	Conversion, CAT
30-9873	0.3450	0.5020	2.125	1-SR	Conversion
30-9907	0.3420	0.5020	2.375	1-SR	Conversion
30-9908	0.3425	0.5020	2.250	1-SR	Conversion
30-9909	0.3420	0.5020	2.875	1-SR	Conversion
30-9946	0.3430	0.5020	2.250	1-SR	Conversion
30-9946+2	0.3430	0.5040	2.250	1-SR	Conversion
30-9964	0.3730	0.5020	2.625	1-SR	Conversion
30-9964H	0.3730	0.5020	2.625	1-SR	Conversion
30-9972	0.3740	0.6205	2.630	12-SR	GDI, GM
30-9972+3	0.3740	0.6235	2.630	12-SR	GDI, GM
30-9972H	0.374	0.621	2.630	12-SR	Conversion
30-9973	0.3735	0.6255	2.420	8-SR	GDI, GM
30-9973+10	0.3735	0.6355	2.420	8-SR	GDI, GM
30-9977	0.3120	0.5020	2.281	1-SR	Conversion
30-9977H	0.3120	0.5020	2.281	1-SR	Conversion
30-9977U	0.3070	0.5020	2.281	1-SR	Conversion
Material:	**MANGANESE BRONZE**				
31-03419	0.2360	0.4360	1.415	1-P	VOK
31-2074	0.2350	0.4350	1.475	7-P	VOK
31-2075	0.2360	0.4350	1.540	7-P	VOK
31-3010	0.2355	0.3955	1.770	1-P	GM
31-3011	0.2355	0.3955	1.380	1-P	GM
31-3169	0.1970	0.3560	1.750	1-P	BMW
31-7359	0.3150	0.4765	1.450	29-P	VOK
31-7473	0.3536	0.5140	2.400	19-P	VOK
31-8139	0.2750	0.4760	1.500	29-SR	VOK
31-8202	0.3149	0.4755	2.400	19-P	VOK
31-8206	0.3149	0.5140	2.400	19-P	VOK
31-8274	0.2765	0.4953	1.930	1-P	FOR
Material:	**Special Alloy**				
30-3276SA	0.3146	0.5524	2.362	8-P	DDA, MBT
30-8476SA	0.3146	0.5650	2.440	1-P	FDI, FOR, IHC, IHN

VALVE GUIDE PROGRESSIVE SIZE LISTING BY I.D.

I.D.	O.D	Length	Type	QC #
0.1830	0.3950	1.562	8P	**30-3082**
0.1935	0.3750	1.753	5-P	**30-3245**
0.1950	0.3750	1.752	5-P	**30-3244**
0.1966	0.3745	1.420	1-P	**30-6214H**
0.1966	0.3947	1.541	8-P	**30-3179**
0.1966	0.3952	1.540	8-P	**30-3213**
0.1970	0.3560	1.750	1-P	**31-3169**
0.1970	0.4160	1.360	8-SR	**30-3288**
0.1972	0.3630	1.661	5-P	**30-3290**
0.1973	0.3950	1.520	1P	**30-3220**
0.1980	0.3950	1.463	8-P	**30-3279**
0.2106	0.4350	1.766	7-P	**30-3256**
0.2120	0.3970	1.458	5-SR	**30-3218**
0.2120	0.3970	1.752	5-SR	**30-3219**
0.2150	0.3960	1.900	4-P	**30-3083**
0.2150	0.4350	1.602	1-P	**30-3217**
0.2155	0.4160	1.515	1-P	**30-3215**
0.2165	0.3750	1.753	5-P	**30-3289**
0.2165	0.3960	1.889	1-P	**30-3293**
0.2165	0.4130	1.693	5-P	**30-3221**
0.2167	0.3760	1.660	5-P	**30-3129**
0.2168	0.4348	1.655	1-P	**30-3152**
0.2168	0.4358	1.740	1-P	**30-3154**
0.2170	0.3760	1.575	4-SR	**30-8213**
0.2170	0.3760	1.575	5-SR	**30-8218**
0.2170	0.4345	1.535	1-P	**30-3070**
0.2170	0.4365	1.260	5-SR	**30-8324**
0.2170	0.4365	1.690	5-SR	**30-8144**
0.2170	0.4385	1.260	5-SR	**30-8324+2**
0.2170	0.4765	1.715	5-SR	**30-8582**
0.2170	0.4765	2.045	4-SR	**30-8583**
0.2173	0.4360	1.875	4-SR	**30-8158**
0.2173	0.4360	2.130	4-SR	**30-8157**
0.2173	0.4370	1.630	6-SR	**30-3136**
0.2173	0.4370	1.790	6-SR	**30-3137**
0.2173	0.4765	1.640	6-SR	**30-8397**
0.2175	0.3774	1.455	1-SR	**30-3028**
0.2175	0.4072	1.850	5-P	**30-3135**
0.2175	0.4073	1.630	5-P	**30-3134**
0.2175	0.4075	1.360	5-SR	**30-8584**
0.2175	0.4075	1.590	5-SR	**30-8585**
0.2175	0.4075	1.715	5-P	**30-3130**
0.2175	0.4765	1.870	11-SR	**30-8577**
0.2177	0.4355	1.395	1-P	**30-3170**
0.2340	0.4350	1.650	4-SR	**30-8189**
0.2350	0.4350	1.475	7-P	**31-2074**
0.2350	0.4355	1.850	5-SR	**30-8291**
0.2353	0.4350	1.654	5-SR	**30-8671**
0.2354	0.4350	1.654	2-SR	**30-8670**
0.2355	0.3950	1.378	8-P	**30-3011**
0.2355	0.3950	1.773	8-P	**30-3010**
0.2355	0.3955	1.380	1-P	**31-3011**
0.2355	0.3955	1.770	1-P	**31-3010**
0.2355	0.4360	1.735	1-SR	**30-8556**
0.2355	0.4360	1.790	4-SR	**30-8554**
0.2355	0.4360	1.835	1-SR	**30-8555**
0.2355	0.4380	1.790	4-SR	**30-8554+2**
0.2355	0.4380	1.835	1-SR	**30-8555+2**
0.2360	0.4333	1.500	2-SR	**30-8668**
0.2360	0.4350	1.540	7-P	**31-2075**
0.2360	0.4355	1.618	1-P	**30-3019**
0.2360	0.4360	1.415	1-P	**31-03419**
0.2360	0.4360	1.540	5-SR	**30-8573**
0.2360	0.4360	1.556	5-SR	**30-3118**
0.2360	0.4360	1.690	5-SR	**30-8572**
0.2360	0.4360	1.750	4-SR	**30-8567**
0.2360	0.4360	1.872	5-SR	**30-3119**
0.2360	0.4360	1.990	4-SR	**30-8569**
0.2360	0.4360	1.990	4-SR	**30-8571**
0.2360	0.4365	1.380	4-SR	**30-8566**
0.2361	0.4355	1.655	1-P	**30-3168**
0.2365	0.3950	1.420	1-P	**30-3029**
0.2365	0.3950	1.580	5-SR	**30-8190**
0.2365	0.3955	1.690	4-SR	**30-8217**
0.2365	0.3955	1.690	5-SR	**30-8216**
0.2365	0.3955	1.940	4-SR	**30-8544**
0.2365	0.4355	1.575	1-P	**30-3046**
0.2365	0.4355	1.815	8-P	**30-3182+2**
0.2365	0.4355	1.815	8-P	**30-3182**
0.2365	0.4355	1.890	4-SR	**30-8273**
0.2365	0.4358	1.655	1-SR	**30-3112**
0.2365	0.4360	1.575	4-SR	**30-8559**
0.2365	0.4365	1.280	4-SR	**30-8564**
0.2365	0.4365	1.595	4-SR	**30-8565**
0.2366	0.4493	1.510	1-SR	**30-3020**
0.2367	0.3955	1.970	5-SR	**30-8214**
0.2367	0.4365	2.065	5-SR	**30-8203**
0.2367	0.4385	2.065	5-SR	**30-8203+2**
0.2370	0.4355	1.810	5-SR	**30-8255**
0.2370	0.4355	2.205	5-SR	**30-8541**
0.2370	0.4360	1.490	5-SR	**30-8561**
0.2370	0.4360	1.520	5-SR	**30-8147**
0.2370	0.4360	1.724	1-SR	**30-3047**
0.2370	0.4360	1.775	4-SR	**30-8173**
0.2370	0.4360	1.808	4-SR	**30-8174**
0.2370	0.4955	1.880	1-SR	**30-8560**
0.2371	0.4350	1.595	5-SR	**30-8038**
0.2371	0.4355	1.600	4-SR	**30-8195**
0.2371	0.4355	1.920	5-SR	**30-8187**
0.2371	0.4355	1.920	4-SR	**30-8186**
0.2372	0.4352	1.535	2-P	**30-3162**
0.2373	0.4395	1.715	1-P	**30-3166**
0.2388	0.4736	1.421	2-SR	**30-8662**
0.2510	0.4390	2.313	1-SR	**30-9611**
0.2510	0.4390	2.313	1-P	**30-5611**
0.2600	0.4755	1.730	5-P	**30-7578**
0.2600	0.4755	1.795	5-SR	**30-8193**
0.2600	0.4755	1.990	5-SR	**30-8194**
0.2600	0.4775	1.950	5-P	**30-7589+2**
0.2605	0.4755	1.970	5-SR	**30-7830**
0.2605	0.4755	1.970	4-SR	**30-8579**
0.2605	0.4765	1.695	4-SR	**30-8581**
0.2605	0.4765	1.975	4-SR	**30-8155**
0.2610	0.4755	2.165	4-SR	**30-7659**
0.2630	0.4775	2.165	4-SR	**30-7659+2**
0.2745	0.4725	1.770	8-SR	**30-8552**
0.2750	0.4350	1.890	4-SR	**30-8233**
0.2750	0.4545	2.040	3-SR	**30-8548**
0.2750	0.4760	1.500	29-SR	**31-8139**
0.2750	0.4940	1.476	8-P	**30-3255**
0.2751	0.4934	2.275	4-SR	**30-3023**
0.2751	0.4954	2.275	4-SR	**30-3023+2**
0.2752	0.4720	1.702	1-P	**30-3026**
0.2752	0.4720	1.820	1-P	**30-3149**
0.2752	0.4740	1.702	1-P	**30-3026+2**
0.2755	0.4495	1.510	1-SR	**30-8293**
0.2755	0.4495	2.125	1-SR	**30-8292**
0.2755	0.4547	1.967	4-P	**30-3049**
0.2755	0.4547	1.967	1-P	**30-3142**
0.2755	0.4550	2.300	8-SR	**30-8557**
0.2755	0.4745	1.990	3-SR	**30-8205**
0.2755	0.5120	1.640	1-SR	**30-8593**

P = Plain (Smooth I.D.) **SR = Spiral Reamed I.D.**

-H Suffix Denotes Hardened Guide

VALVE GUIDE PROGRESSIVE SIZE LISTING BY I.D.

I.D.	O.D	Length	Type	QC #
0.2757	0.4550	1.930	5-SR	**30-8021**
0.2757	0.4760	1.895	5-SR	**30-8016**
0.2757	0.5830	2.320	8-SR	**30-8535**
0.2757	0.5830	2.770	8-SR	**30-8536**
0.2760	0.4345	2.315	5-SR	**30-8388**
0.2760	0.4350	1.550	4-SR	**30-8204**
0.2760	0.4350	1.770	3-SR	**30-7826**
0.2760	0.4350	2.070	5-SR	**30-8211**
0.2760	0.4350	2.081	5-P	**30-3216**
0.2760	0.4365	2.315	5-SR	**30-8388+2**
0.2760	0.4423	2.315	11-SR	**30-7873**
0.2760	0.4725	1.740	2-SR	**30-8663**
0.2760	0.4745	2.166	5-SR	**30-8145**
0.2760	0.4745	2.167	4-SR	**30-7825**
0.2760	0.4745	2.280	5-SR	**30-8192**
0.2760	0.4745	2.325	5-SR	**30-8146**
0.2760	0.4950	2.200	3-SR	**30-8547**
0.2762	0.4550	1.695	5-SR	**30-8014**
0.2763	0.5110	2.289	1-P	**30-3009**
0.2763	0.5130	2.289	1-P	**30-3009+2**
0.2764	0.4725	2.150	1-P	**30-3163**
0.2765	0.4395	2.331	21-P	**30-3055**
0.2765	0.4550	1.660	4-SR	**30-8586**
0.2765	0.4755	1.965	5-P	**30-7711**
0.2765	0.4755	2.168	6-P	**30-7710**
0.2765	0.4760	2.088	3-SR	**30-8142**
0.2765	0.4765	1.435	29-SR	**30-8558**
0.2765	0.4765	1.483	29-SR	**30-8139**
0.2765	0.4775	2.168	6-P	**30-7710+2**
0.2765	0.4953	1.930	1-SR	**30-8274**
0.2765	0.4953	1.930	1-P	**31-8274**
0.2765	0.4955	1.930	8-SR	**30-8675**
0.2765	0.4955	2.050	1-SR	**30-8575**
0.2765	0.4955	2.200	1-SR	**30-8574**
0.2765	0.4973	1.930	1-SR	**30-8274+2**
0.2765	0.5020	2.000	1-SR	**30-4207**
0.2767	0.5140	1.740	2-SR	**30-8124**
0.2767	0.5160	1.740	2-SR	**30-8124+2**
0.2768	0.4390	2.200	1-SR	**30-3066**
0.2768	0.4747	2.500	21-SR	**30-3048**
0.2771	0.4342	1.790	5-SR	**30-8039**
0.2775	0.4395	1.937	1-SR	**30-3080**
0.2775	0.4395	2.020	1-SR	**30-3081**
0.2776	0.5015	1.937	21-SR	**30-3033**
0.2776	0.5015	1.937	21-SR	**30-3021**
0.2776	0.5015	2.018	21-SR	**30-3022**
0.2776	0.5015	2.020	21-SR	**30-3034**
0.2807	0.5830	2.320	8-SR	**30-8588**
0.2950	0.5525	2.363	8-P	**30-3285**
0.3070	0.5020	2.281	1-SR	**30-9977U**
0.3115	0.4390	3.063	1-P	**30-7546**
0.3120	0.4390	2.188	1-SR	**30-6897H**
0.3120	0.4390	2.281	1-SR	**30-9872**
0.3120	0.4390	2.875	1-SR	**30-6896H**
0.3120	0.5020	2.000	8-P	**30-7205**
0.3120	0.5020	2.000	8-SR	**30-9205**
0.3120	0.5020	2.281	1-SR	**30-9977**
0.3120	0.5020	2.281	1-P	**30-6977**
0.3120	0.5020	2.281	1-SR	**30-9977H**
0.3120	0.5020	2.380	1-P	**30-7679**
0.3125	0.4390	1.875	1-P	**30-6869**
0.3125	0.4390	1.875	1-SR	**30-9869**
0.3125	0.4934	1.693	4-SR	**30-8419**
0.3135	0.4390	2.500	1-SR	**30-6587**
0.3135	0.5015	3.081	21-SR	**30-8659**
0.3135	0.5020	2.250	17-SR	**30-7847**
0.3135	0.5020	2.436	21-SR	**30-8494**
0.3135	0.5020	2.438	1-SR	**30-9848**
0.3135	0.5140	2.210	1-P	**30-3296**
0.3142	0.5250	2.185	1-P	**30-3165**
0.3142	0.5270	2.185	1-P	**30-3165+2**
0.3145	0.4740	2.160	2-P	**30-7714**
0.3145	0.4745	1.810	2-P	**30-7713**
0.3145	0.4760	2.160	2-P	**30-7714+2**
0.3145	0.4765	1.670	30-SR	**30-7852**
0.3145	0.4765	1.810	2-P	**30-7713+2**
0.3145	0.4937	1.575	4-P	**30-7429N**
0.3145	0.4937	1.693	4-P	**30-7451N**
0.3145	0.4955	2.275	4-SR	**30-8219+2**
0.3145	0.4957	1.575	4-P	**30-7429N+2**
0.3145	0.4957	1.693	4-P	**30-7451N+2**
0.3145	0.5020	1.575	4-P	**30-7661**
0.3145	0.5020	1.693	4-P	**30-7662**
0.3145	0.5020	2.440	21-SR	**30-3257**
0.3145	0.5250	2.185	1-SR	**30-3031**
0.3145	0.5250	2.185	8-SR	**30-3156**
0.3145	0.5315	2.045	12-SR	**30-8553**
0.3145	0.5528	1.971	8-P	**30-3302**
0.3145	0.5530	1.970	2-P	**30-7656**
0.3145	0.5640	2.440	1-SR	**30-8562**
0.3146	0.5145	2.240	1-P	**30-3229**
0.3146	0.5524	2.362	8-P	**30-3276**
0.3146	0.5524	2.362	8-P	**30-3276SA**
0.3146	0.5650	2.440	1-P	**30-8476SA**
0.3149	0.4755	2.400	19-P	**31-8202**
0.3149	0.5140	2.400	19-P	**31-8206**
0.3150	0.4390	2.200	1-SR	**30-9204**
0.3150	0.4765	1.450	29-P	**31-7359**
0.3150	0.5000	2.235	1-SR	**30-3204**
0.3150	0.5020	2.250	1-SR	**30-8040**
0.3150	0.5020	2.375	1-SR	**30-9690**
0.3150	0.5526	2.245	11-P	**30-3101**
0.3153	0.5145	2.260	5-SR	**30-8143**
0.3154	0.5000	2.115	1-SR	**30-3053H**
0.3154	0.5000	2.115	1-SR	**30-3053**
0.3155	0.4680	2.045	1-SR	**30-8209**
0.3155	0.4745	1.930	2-SR	**30-7542**
0.3155	0.4745	2.205	4-SR	**30-8212**
0.3155	0.4745	2.313	5-SR	**30-7499**
0.3155	0.4745	2.660	5-SR	**30-7828**
0.3155	0.4751	2.625	18-SR	**30-6097**
0.3155	0.4765	1.435	29-SR	**30-7359**
0.3155	0.4805	2.313	5-SR	**30-7499+6**
0.3155	0.4935	2.275	4-SR	**30-8219**
0.3155	0.5020	2.000	1-SR	**30-9705**
0.3155	0.5145	1.980	10-SR	**30-7541**
0.3155	0.5145	2.800	5-SR	**30-7850**
0.3155	0.5145	2.920	5-SR	**30-7851**
0.3155	0.5250	2.185	1-SR	**30-3032**
0.3155	0.5315	2.045	1-SR	**30-8551**
0.3155	0.5525	2.085	1-SR	**30-3067**
0.3155	0.5525	2.130	5-SR	**30-7532**
0.3155	0.5530	2.085	11-SR	**30-8112**
0.3155	0.5550	2.085	11-SR	**30-8112+2**
0.3155	0.5830	2.320	8-SR	**30-8115**
0.3155	0.5830	2.770	8-SR	**30-8114**
0.316	0.5530	2.245	2-P	**30-3297**
0.3160	0.4740	2.500	4-SR	**30-8389**
0.3160	0.4745	1.930	2-SR	**30-7545**
0.3160	0.4820	2.500	7-SR	**30-8017**
0.3160	0.5140	1.820	4-SR	**30-8207**
0.3160	0.5145	1.735	5-SR	**30-7576**

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I.D.	O.D	Length	Type	QC #
0.3160	0.5145	1.848	5-SR	**30-7574**
0.3160	0.5145	1.890	5-SR	**30-7577**
0.3160	0.5145	1.970	4-SR	**30-8201**
0.3160	0.5145	1.970	3-SR	**30-7540**
0.3160	0.5145	2.046	5-SR	**30-7575**
0.3160	0.5145	2.260	5-SR	**30-7523**
0.3160	0.5160	1.820	4-SR	**30-8207+2**
0.3160	0.5165	1.735	5-SR	**30-7576+2**
0.3160	0.5165	1.848	5-SR	**30-7574+2**
0.3160	0.5165	1.890	5-SR	**30-7577+2**
0.3160	0.5165	2.046	5-SR	**30-7575+2**
0.3160	0.5165	2.260	5-SR	**30-7523+2**
0.3160	0.5525	2.322	8-SR	**30-7529**
0.3160	0.5640	2.360	8-SR	**30-7527**
0.3160	0.5640	2.765	8-SR	**30-7528**
0.3160	0.5645	1.848	7-SR	**30-8225**
0.3160	0.5645	2.046	7-SR	**30-8226**
0.3162	0.5525	2.037	1-SR	**30-8178**
0.3162	0.5525	2.382	1-SR	**30-8177**
0.3173	0.5533	2.177	1-SR	**30-8172**
0.3175	0.5020	2.000	8-P	**30-7198**
0.3175	0.5020	2.000	8-SR	**30-9198**
0.3175	0.5339	2.540	8-P	**30-3012**
0.3175	0.5350	2.525	7-P	**30-7822**
0.3175	0.5655	2.525	7-P	**30-7823**
0.318/0.	0.5138	2.380	7-P	**30-3300**
0.3185	0.5535	1.990	6-P	**30-7462**
0.3355	0.5530	2.400	5-SR	**30-8196**
0.3390	0.5020	2.500	1-P	**30-6105U**
0.3420	0.5020	2.120	21-P	**30-3015**
0.3420	0.5020	2.210	21-P	**30-3016**
0.3420	0.5020	2.375	1-SR	**30-9907**
0.3420	0.5020	2.375	1-P	**30-7907**
0.3420	0.5020	2.875	1-SR	**30-9909**
0.3420	0.5640	2.250	1-SR	**30-7507**
0.3425	0.5020	2.250	1-SR	**30-9908**
0.3425	0.5020	2.250	1-P	**30-7908**
0.3425	0.6270	2.180	11-P	**30-1900**
0.3425	0.6575	2.813	11-P	**30-1338**
0.3427	0.6575	2.563	11-P	**30-1515**
0.3430	0.5020	2.125	1-SR	**30-9715**
0.3430	0.5020	2.125	1-P	**30-7715**
0.3430	0.5020	2.250	1-SR	**30-9946**
0.3430	0.5020	2.250	1-P	**30-7946**
0.3430	0.5020	2.375	1-SR	**30-9459**
0.3430	0.5020	2.375	1-P	**30-7459**
0.3430	0.5020	2.500	1-P	**30-7460**
0.3430	0.5020	2.500	1-SR	**30-9460H**
0.3430	0.5020	2.500	1-SR	**30-9460**
0.3430	0.5020	2.750	1-P	**30-6106**
0.3430	0.5020	2.750	1-SR	**30-9106**
0.3430	0.5020	3.063	1-P	**30-7259**
0.3430	0.5020	3.063	1-SR	**30-9259**
0.3430	0.5040	2.250	1-SR	**30-9946+2**
0.3430	0.5040	2.250	1-P	**30-7946+2**
0.3430	0.5040	2.375	1-SR	**30-9459+2**
0.3430	0.5040	2.500	1-SR	**30-9460+2**
0.3430	0.5577	2.275	1-SR	**30-8180**
0.3430	0.5640	3.063	1-SR	**30-7278**
0.3432	0.5655	2.188	1-P	**30-1476**
0.3435	0.5020	2.125	4-SR	**30-8446**
0.3435	0.5645	3.000	3-P	**30-1690**
0.3435	0.5650	2.188	1-P	**30-1758**
0.3435	0.5650	2.438	1-P	**30-1527**
0.3435	0.5650	3.344	8-P	**30-1732**
0.3435	0.5655	3.219	8-P	**30-1453**
0.3435	0.6575	2.922	3-P	**30-1613**
0.3435	1.0305	2.210	36-P	**30-1614**
0.3437	0.6010	2.250	3-P	**30-1819**
0.3440	0.4990	2.250	1-SR	**30-8545**
0.3440	0.5020	2.000	1-P	**30-7560**
0.3440	0.5020	2.000	1-SR	**30-9560**
0.3440	0.5020	2.125	1-SR	**30-9867**
0.3440	0.5020	2.125	1-P	**30-6867**
0.3440	0.5020	2.188	21-SR	**30-9206**
0.3440	0.5020	2.188	21-P	**30-7206**
0.3440	0.5020	2.250	1-SR	**30-9607H**
0.3440	0.5020	2.250	1-P	**30-5607**
0.3440	0.5020	2.250	1-SR	**30-9607**
0.3440	0.5020	2.313	21-SR	**30-9846**
0.3440	0.5020	2.375	1-P	**30-5606**
0.3440	0.5020	2.375	1-SR	**30-9606**
0.3440	0.5020	2.500	1-P	**30-6105**
0.3440	0.5020	2.500	1-SR	**30-9105**
0.3440	0.5020	2.625	1-SR	**30-9604**
0.3440	0.5020	2.875	1-P	**30-5612**
0.3440	0.5020	2.875	1-SR	**30-9612**
0.3440	0.5020	3.063	1-P	**30-6523**
0.3440	0.5020	3.063	1-SR	**30-9523**
0.3440	0.5020	3.063	1-SR	**30-9523H**
0.3440	0.5040	2.625	1-P	**30-5604+2**
0.3440	0.5640	2.250	1-SR	**30-7272**
0.3440	0.5640	2.375	1-SR	**30-7271**
0.3440	0.5640	2.625	1-SR	**30-7588**
0.3440	0.5640	2.875	1-SR	**30-7552**
0.3440	0.6890	3.078	3-P	**30-1411**
0.3445	0.5638	2.266	8-SR	**30-1745**
0.3445	0.5645	2.625	3-P	**30-1689**
0.3445	0.6575	2.813	11-P	**30-1337**
0.3450	0.5020	2.125	1-SR	**30-9873**
0.3450	0.5020	2.125	1-P	**30-6873**
0.3450	0.5020	2.375	1-SR	**30-9561**
0.3530	0.5145	2.400	19-SR	**30-7473**
0.3536	0.5140	2.400	19-P	**31-7473**
0.3547	0.5526	2.365	1-P	**30-3054**
0.355	0.5530	2.357	1-P	**30-3299**
0.356	0.5530	2.369	2-P	**30-3298**
0.3570	0.5535	2.360	2-P	**30-3301**
0.3720	0.5020	2.625	1-SR	**30-9850**
0.3720	0.5020	2.625	1-P	**30-6850**
0.3730	0.4813	2.615	21-SR	**30-8037**
0.3730	0.5020	2.375	1-P	**30-7298**
0.3730	0.5020	2.375	1-SR	**30-9298**
0.3730	0.5020	2.625	1-SR	**30-9964**
0.3730	0.5020	2.625	1-SR	**30-9964H**
0.3730	0.5020	2.750	1-P	**30-7554**
0.3730	0.5020	2.750	1-SR	**30-9554**
0.3730	0.5020	2.875	1-P	**30-7260**
0.3730	0.5020	2.875	1-SR	**30-9260**
0.3730	0.5640	2.375	1-SR	**30-7291**
0.3730	0.5640	2.875	1-SR	**30-7279**
0.3730	0.6205	2.220	33-SR	**30-8407**
0.3730	0.6270	2.680	1-SR	**30-8409**
0.3735	0.5020	2.598	1-P	**30-7681**
0.3735	0.5020	3.969	1-SR	**30-7669**
0.3735	0.6200	2.227	16-P	**30-8351**
0.3735	0.6203	2.620	9-SR	**30-3024**
0.3735	0.6255	2.420	8-P	**30-1973**
0.3735	0.6255	2.420	8-SR	**30-9973**
0.3735	0.6265	2.250	9-SR	**30-3025**
0.3735	0.6355	2.420	8-SR	**30-9973+10**
0.374	0.5020	2.375	1-SR	**30-9108H**

P = Plain (Smooth I.D.) **SR = Spiral Reamed I.D.**

-H Suffix Denotes Hardened Guide

VALVE GUIDE PROGRESSIVE SIZE LISTING BY I.D.

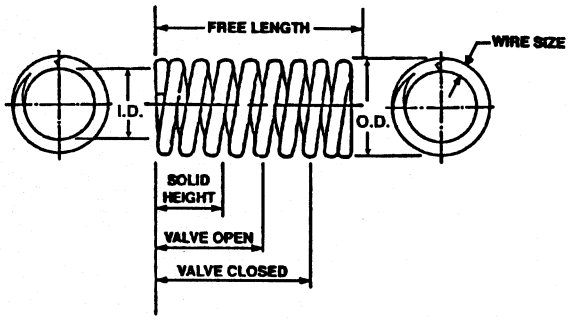
I.D.	O.D	Length	Type	QC #
0.374	0.5020	3.063	1-SR	**30-9458H**
0.374	0.621	2.630	12-SR	**30-9972H**
0.3740	0.5020	2.250	1-P	**30-6107**
0.3740	0.5020	2.250	1-SR	**30-9107**
0.3740	0.5020	2.375	1-P	**30-6108**
0.3740	0.5020	2.375	1-SR	**30-9108**
0.3740	0.5020	2.500	1-SR	**30-9109**
0.3740	0.5020	2.500	1-P	**30-6109**
0.3740	0.5020	2.625	1-SR	**30-9110**
0.3740	0.5020	2.625	1-P	**30-6110**
0.3740	0.5020	2.875	1-P	**30-6111**
0.3740	0.5020	2.875	1-SR	**30-9111**
0.3740	0.5020	3.063	1-P	**30-7458**
0.3740	0.5020	3.063	1-SR	**30-9458**
0.3740	0.5640	2.375	1-SR	**30-7276**
0.3740	0.5640	2.500	1-SR	**30-7277**
0.3740	0.5640	2.625	1-SR	**30-7447**
0.3740	0.6163	2.755	19-SR	**30-8256**
0.3740	0.6205	2.200	15-SR	**30-7999**
0.3740	0.6205	2.435	18-SR	**30-8113**
0.3740	0.6205	2.630	12-SR	**30-9972**
0.3740	0.6205	2.630	12-P	**30-1972**
0.3740	0.6205	2.740	12-SR	**30-9208**
0.3740	0.6235	2.630	12-SR	**30-9972+3**
0.3740	0.6270	2.600	1-P	**30-7712**
0.3745	0.5020	2.250	1-SR	**30-9112**
0.3745	0.5020	2.250	1-P	**30-6112**
0.3745	0.5020	2.375	1-SR	**30-9113**
0.3745	0.5020	2.375	1-P	**30-6113**
0.3745	0.6252	2.600	1-P	**30-7689**
0.3745	0.6265	2.750	10-P	**30-1733**
0.3745	0.6265	3.063	8-P	**30-1384**
0.3745	0.6895	2.813	1-P	**30-1740**
0.3745	0.6895	2.938	13-P	**30-1803**
0.3750	0.5020	2.125	1-P	**30-5608**
0.3750	0.5020	2.500	1-P	**30-6114**
0.3750	0.5020	2.500	1-SR	**30-9114**
0.3750	0.5020	2.625	1-SR	**30-9610**
0.3750	0.5020	2.625	1-P	**30-5610**
0.3750	0.5020	2.750	1-SR	**30-9115**
0.3750	0.5020	2.750	1-P	**30-6115**
0.3750	0.5640	2.750	1-SR	**30-7248**
0.3750	0.5640	3.000	1-SR	**30-7448**
0.3750	0.6270	3.969	1-SR	**30-6905**
0.3750	0.6580	2.375	8-P	**30-1704**
0.3750	0.6580	2.750	13-P	**30-1504**
0.3750	0.6580	3.063	11-P	**30-1342**
0.3973	0.6580	2.375	1-SR	**30-1878**
0.4375	0.6270	2.500	1-P	**30-6119**
0.4375	0.6270	2.500	1-SR	**30-9119**
0.4375	0.6270	2.625	1-P	**30-5609**
0.4375	0.6270	3.125	1-SR	**30-9116**
0.4375	0.6270	3.125	1-P	**30-6116**
0.4375	0.6290	2.625	1-P	**30-5609+2**
0.4378	0.6270	2.625	1-SR	**30-9609**

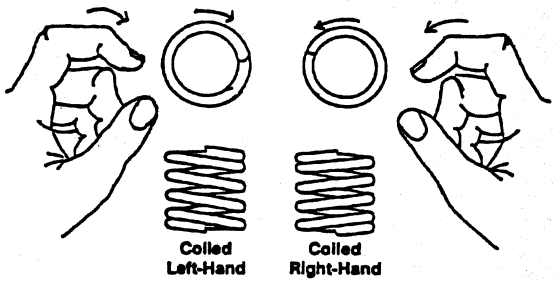
CONVERSION VALVE GUIDE SIZE LISTING BY I.D.

I.D.	O.D	Length	Type	QC #
0.2510	0.4390	2.313	1-P	**30-5611**
0.2510	0.4390	2.313	1-SR	**30-9611**
0.2765	0.5020	2.000	1-SR	**30-4207**
0.3070	0.5020	2.281	1-SR	**30-9977U**
0.3115	0.4390	3.063	1-P	**30-7546**
0.3120	0.4390	2.281	1-SR	**30-9872**
0.3120	0.5020	2.281	1-P	**30-6977**
0.3120	0.5020	2.281	1-SR	**30-9977**
0.3120	0.5020	2.281	1-SR	**30-9977H**
0.3120	0.5020	2.380	1-P	**30-7679**
0.3125	0.4390	1.875	1-P	**30-6869**
0.3125	0.4390	1.875	1-SR	**30-9869**
0.3135	0.4390	2.500	1-SR	**30-6587**
0.3135	0.5020	2.438	1-SR	**30-9848**
0.3145	0.5640	2.440	1-SR	**30-8562**
0.3150	0.4390	2.200	1-SR	**30-9204**
0.3150	0.5020	2.250	1-SR	**30-8040**
0.3150	0.5020	2.375	1-SR	**30-9690**
0.3155	0.5020	2.000	1-SR	**30-9705**
0.3390	0.5020	2.500	1-P	**30-6105U**
0.3420	0.5020	2.375	1-P	**30-7907**
0.3420	0.5020	2.375	1-SR	**30-9907**
0.3420	0.5020	2.875	1-SR	**30-9909**
0.3420	0.5640	2.250	1-SR	**30-7507**
0.3425	0.5020	2.250	1-P	**30-7908**
0.3425	0.5020	2.250	1-SR	**30-9908**
0.3430	0.5020	2.125	1-P	**30-7715**
0.3430	0.5020	2.125	1-SR	**30-9715**
0.3430	0.5020	2.250	1-P	**30-7946**
0.3430	0.5020	2.250	1-SR	**30-9946**
0.3430	0.5020	2.375	1-P	**30-7459**
0.3430	0.5020	2.375	1-SR	**30-9459**
0.3430	0.5020	2.500	1-P	**30-7460**
0.3430	0.5020	2.500	1-SR	**30-9460**
0.3430	0.5020	2.500	1-SR	**30-9460H**
0.3430	0.5020	2.750	1-P	**30-6106**
0.3430	0.5020	2.750	1-SR	**30-9106**
0.3430	0.5020	3.063	1-P	**30-7259**
0.3430	0.5020	3.063	1-SR	**30-9259**
0.3430	0.5040	2.250	1-P	**30-7946+2**
0.3430	0.5040	2.250	1-SR	**30-9946+2**
0.3430	0.5040	2.375	1-SR	**30-9459+2**
0.3430	0.5040	2.500	1-SR	**30-9460+2**
0.3430	0.5640	3.063	1-SR	**30-7278**
0.3440	0.5020	2.000	1-P	**30-7560**
0.3440	0.5020	2.000	1-SR	**30-9560**
0.3440	0.5020	2.125	1-P	**30-6867**
0.3440	0.5020	2.125	1-SR	**30-9867**
0.3440	0.5020	2.250	1-P	**30-5607**
0.3440	0.5020	2.250	1-SR	**30-9607**
0.3440	0.5020	2.250	1-SR	**30-9607H**
0.3440	0.5020	2.375	1-SR	**30-9606**
0.3440	0.5020	2.500	1-P	**30-6105**
0.3440	0.5020	2.500	1-SR	**30-9105**
0.3440	0.5020	2.625	1-SR	**30-9604**
0.3440	0.5020	2.875	1-P	**30-5612**
0.3440	0.5020	2.875	1-SR	**30-9612**
0.3440	0.5020	3.063	1-P	**30-6523**
0.3440	0.5020	3.063	1-SR	**30-9523**
0.3440	0.5020	3.063	1-SR	**30-9523H**
0.3440	0.5040	2.625	1-P	**30-5604+2**
0.3440	0.5640	2.250	1-SR	**30-7272**
0.3440	0.5640	2.375	1-SR	**30-7271**
0.3440	0.5640	2.625	1-SR	**30-7588**
0.3440	0.5640	2.875	1-SR	**30-7552**
0.3450	0.5020	2.125	1-P	**30-6873**
0.3450	0.5020	2.125	1-SR	**30-9873**
0.3450	0.5020	2.375	1-SR	**30-9561**
0.3720	0.5020	2.625	1-P	**30-6850**
0.3720	0.5020	2.625	1-SR	**30-9850**
0.3730	0.5020	2.375	1-P	**30-7298**
0.3730	0.5020	2.375	1-SR	**30-9298**
0.3730	0.5020	2.625	1-SR	**30-9964**
0.3730	0.5020	2.625	1-SR	**30-9964H**
0.3730	0.5020	2.750	1-P	**30-7554**
0.3730	0.5020	2.750	1-SR	**30-9554**
0.3730	0.5020	2.875	1-P	**30-7260**
0.3730	0.5020	2.875	1-SR	**30-9260**
0.3730	0.5640	2.375	1-SR	**30-7291**
0.3730	0.5640	2.875	1-SR	**30-7279**
0.3735	0.5020	2.598	1-P	**30-7681**
0.3735	0.5020	3.969	1-SR	**30-7669**
0.374	0.5020	2.375	1-SR	**30-9108H**
0.374	0.5020	3.063	1-SR	**30-9458H**
0.374	0.621	2.630	12-SR	**30-9972H**
0.3740	0.5020	2.250	1-P	**30-6107**
0.3740	0.5020	2.375	1-P	**30-6108**
0.3740	0.5020	2.375	1-SR	**30-9108**
0.3740	0.5020	2.500	1-P	**30-6109**
0.3740	0.5020	2.625	1-P	**30-6110**
0.3740	0.5020	2.625	1-SR	**30-9110**
0.3740	0.5020	2.875	1-P	**30-6111**
0.3740	0.5020	2.875	1-SR	**30-9111**
0.3740	0.5020	3.063	1-P	**30-7458**
0.3740	0.5020	3.063	1-SR	**30-9458**
0.3740	0.5640	2.375	1-SR	**30-7276**
0.3740	0.5640	2.500	1-SR	**30-7277**
0.3740	0.5640	2.625	1-SR	**30-7447**
0.3740	0.6270	2.600	1-P	**30-7712**
0.3745	0.5020	2.250	1-P	**30-6112**
0.3745	0.5020	2.250	1-SR	**30-9112**
0.3745	0.5020	2.375	1-P	**30-6113**
0.3745	0.5020	2.375	1-SR	**30-9113**
0.3750	0.5020	2.125	1-P	**30-5608**
0.3750	0.5020	2.500	1-P	**30-6114**
0.3750	0.5020	2.500	1-SR	**30-9114**
0.3750	0.5020	2.625	1-P	**30-5610**
0.3750	0.5020	2.625	1-SR	**30-9610**
0.3750	0.5020	2.750	1-P	**30-6115**
0.3750	0.5020	2.750	1-SR	**30-9115**
0.3750	0.5640	2.750	1-SR	**30-7248**
0.3750	0.5640	3.000	1-SR	**30-7448**
0.3750	0.6270	3.969	1-SR	**30-6905**
0.4375	0.6270	2.500	1-P	**30-6119**
0.4375	0.6270	2.500	1-SR	**30-9119**
0.4375	0.6270	2.625	1-P	**30-5609**
0.4375	0.6270	3.125	1-P	**30-6116**
0.4375	0.6270	3.125	1-SR	**30-9116**
0.4375	0.6290	2.625	1-P	**30-5609+2**

P = Plain (Smooth I.D.) **SR = Spiral Reamed I.D.**

H Suffix= Hardened





Illustrations Are For Reference Only And Are NOT Drawn To Scale.

SPRING NUMERICAL LISTING

QC #	Free Length	Solid Height	Wire Size	O.D.	I.D.	Closed Position Pressure @ Length	Open Position Pressure @ Length	# Of Coils Left Or Right Hand	Application
32-558	2.250	1.390	0.182	1.333	0.969	74-82 @ 1.858	186-192 @ 1.462	8.000 LH	GM
32-577	1.760	0.960	1.120	0.963	0.723	23-29 @ 1.483	54-60 @ 1.153	8.000 LH	GM
32-611	2.090	1.300	0.177	1.364	1.000/1.020	71-79 @ 1.780	161-177 @ 1.390	7.00 LH	FOR, FDI, FTA
32-672	2.000	1.203	0.192	1.404	1.010/1.030	78-88 @ 1.687	172-184 @ 1.3125	6.25 LH	CHC, CHI
32-677-D	2.300	1.250	0.188	1.438	1.052/1.072	94-104 @ 1.820	179.5-198.5 @ 1.42	6.50 LH	FDI, FOR
32-685-D	2.050	1.125	0.170	1.220	0.880	76-89 @ 1.696	184-203 @ 1.306	6.900 RH	CHC, GMM, GM
32-778	1.828	1.062	0.177	1.360	1.006	59-65 @ 1.586	149-159 @ 1.222	6.00 LH	FDI, FOR
32-786-D	2.047	1.260	0.207	1.438	1.024	89 @ 1.77	225-241 @ 1.38	6.000 LH	FOR
32-798	2.000	1.140	0.188	1.438	1.052/1.072	76-84 @ 1.670	175-194 @ 1.240	6.00 LH	FDI, FOR
32-807	1.990	1.152	0.192	1.400	1.016	76-84 @ 1.700	187-207 @ 1.300	6.00 LH	CHC, FOR, FDI
32-812	1.875	1.120	0.188	1.400	1.024	81 @1.580	192 @1.180	6.00 LH	FDI, FOR
32-813	1.760	0.950	0.141	1.060	0.776	31 @ 1.566	102 @ 1.114	6.75 LH	GM, NII
32-816-D	2.180	1.340	0.207	1.504	1.090	90@ 1.880	220@ 1.460	6.50 LH	GDI, GM
32-864-D	2.050	1.340	0.207	1.504	1.090	90@ 1.800	220@ 1.400	6.50 LH	GDI, GM, GMM
32-880-D	2.030	1.150	0.177	1.222	0.878	80 @ 1.700	200 @ 1.250	6.60 RH	FDI, FOR, GDI, GMM, GM
32-883	2.230	1.300	0.187	1.374	1.000	85-93 @ 1.812	193-207 @ 1.387	6.400 RH	CHC
32-887-D	2.050	1.260	0.200	1.390	0.990/1.010	72-80 @ 1.800	191-203 @ 1.400	6.50 RH	FDI, FOR, IHC, IHN
32-891-D	2.230	1.294	0.207	1.484/1.504	1.070/1.090	100-110 @ 1.8594	236-256 @ 1.3594	6.250 RH	CHC
32-901-D	1.940	1.100	0.207	1.494	1.080	96 @ 1.65	238 @ 1.220	5.65 RH	CHC
32-902	1.970	1.170	0.184	1.368/1.388	1.000/1.020	71-79 @ 1.660	171-189 @ 1.230	6.250 RH	FOR, FOM
32-906	2.020	1.183	0.182	1.364/1.384	1.000/1.020	56-66 @ 1.730	173-193 @ 1.280	6.500 LH	FOR
32-907-D	2.060	1.260	0.218	1.503	1.067	85@ 1.820	270@ 1.320	6.00 LH	FDI, FOR
32-909-D	2.120	1.320	0.200	1.462	1.062	90 @ 1.82	220 @ 1.380	6.63 LH	FDI, FOR
32-922	1.995	1.174	0.135	1.050/1.065	0.780/0.795	37-43 @ 1.666	90-100 @ 1.214	8.670 LH	GM
32-943-D	2.040	1.16	0.192	1.266	0.884	110 @ 1.700	285 @ 1.210	6.50 RH	GDI, GM, GMM
32-961-D	2.026	1.270	0.225	1.502/1.522	1.052/1.072	87.4-96.6 @ 1.82	299.3-330.7 @ 1.390	6.000 LH	FOR
32-991	2.068	1.275	0.200	1.400	1.000	76-84 @ 1.810	218-240 @ 1.330	6.375 LH	CHC, FOR, FDI, FOM
32-994	2.056	1.330	0.200	1.400/1.420	1.000/1.020	76-84 @ 1.820	214.7-237.3 @ 1.390	6.687 LH	FOR
32-1001	2.130	1.260	0.177	1.285/1.299	0.938	65-75 @ 1.727	168-182 @ 1.340	7.125 LH	GM
32-1009	2.130	1.280	0.207	1.500	0.803	90 @ 1.880	280 @ 1.380	6.50 RH	GDI, GM, GMM
32-1011	2.060	1.255	0.192	1.394	1.000/1.020	71-79 @ 1.790	190-210 @ 1.340	6.940 LH	FOM, FOR
32-1015	1.480	0.860	0.154	1.110/1.124	0.802/0.816	48-53 @ 1.263	118-128 @ .953	5.750 RH	FOR
32-1016	1.960	1.110	0.192	1.437	1.053	76-84 @ 1.670	180-194 @ 1.270	5.85 RH	GM
32-1038-D	1.910	1.130	0.177	1.230	0.876	76-84 @ 1.610	194-206 @ 1.160	6.60 RH	GDI, GM, GMM
32-1061	1.810	1.002	0.185	1.380/1.400	1.010/1.030	80-90 @ 1.480	180-194 @ 1.080	5.750 RH	CHC
32-1082	2.035	1.225	0.200	1.370	0.970	65-75 @ 1.800	190-225 @ 1.400	6.50 RH	CHC, IHC
32-1086	1.923	1.115	0.192	1.360/1.400	0.976/1.016	51-59 @ 1.700	153-177 @ 1.300	6.100 LH	FOM, FOR
32-1125	1.875	1.160	0.177	1.305/1.325	0.951/0.971	51-63 @ 1.600	140-170 @ 1.200	6.500 RH	CHC, MIT
32-1135	1.800	1.091	0.185	1.310/1.330	0.940/0.960	45-55 @ 1.600	155-185 @ 1.200	5.900 RH	TOY
32-1149	1.965	1.220	0.200	1.395/1.425	0.995/1.025	40-50 @ 1.800	190-220 @ 1.300	6.100 LH	FOR
32-1167	1.970	1.100	0.200	1.452/1.475	1.052/1.072	76-84 @ 1.720	218.5-241.5 @ 1.260	6.000 LH	FOR
32-1175	2.040	1.290	0.192	1.394	1.010	78 @ 1.780	204 @ 1.360	6.750 LH	FOM, FOR
32-1220-D	2.035	1.278	0.192	1.250	0.866/0.886	80 @ 1.811	230 @ 1.390	6.60 RH	GDI, GM

-D Suffix Denotes Spring With Damper

SPRING NUMERICAL LISTING

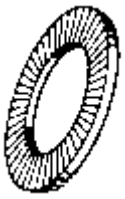
QC #	Free Length	Solid Height	Wire Size	O.D.	I.D.	Closed Position Pressure @ Length	Open Position Pressure @ Length	# Of Coils Left Or Right Hand	Application
32-1242	1.820	1.150	0.192	1.332/1.352	0.948/0.968	66-74 @ 1.625	205-220 @ 1.200	6.220 RH	CHC, FOR
32-1244	1.960	1.140	0.185	1.380	1.010	70 @ 1.640	175 @ 1.240	6.250 LH	FOR
32-1245	1.785	1.005	0.180	1.379	1.019	27.8-33.9 @ 1.667	157-192 @ 1.119	5.500 LH	FOR
32-1246	2.160	1.165	0.187	1.384/1.404	1.010/1.030	108-120 @ 1.455	200-216 @ 1.220	6.500 RH	CHC
32-1247	1.855	1.080	0.177	1.295	0.941	97-113 @ 1.455	149-165 @ 1.255	6.000 RH	FOR
32-1258	1.840	1.050	0.182	1.287/1.307	0.923/0.943	61-69 @ 1.577	172-188 @ 1.156	5.900 LH	FOR, MAZ
32-1265	1.940	1.156	0.178	1.350T	0.930T	74 @ 1.700	230 @ 1.260	6.500 RH	CHC
32-1268	2.110	1.240	0.180	1.290	0.930	86-94 @ 1.701	209-221 @ 1.291	6.890 RH	GMM, GM, ISU
32-1278	1.967	1.163	0.177	1.312	0.837/0.958	81-89 @ 1.640	192-208 @ 1.216	6.790 RH	CHC
32-1282	1.909	1.098	0.187	1.044/1.394	0.670/1.020	90-100 @ 1.570	207-229 @ 1.170	6.180 LH	CHC
32-1289	1.960	1.150	0.163	1.346	0.960	70 @1.600	178 @1.200	6.80 RH	CHC, HYU, MAZ, MDI, MIT
32-1290	2.170	1.161	0.173	1.349	1.004	85.9-93.9 @ 1.585	167.3-178.9 @ 1.222	6.800 RH	FOR
32-1299	1.902	0.976	0.173	1.269/1.289	0.923/0.943	89-98.2 @ 1.460	207-224.6 @ 1.016	6.000 RH	FOR
32-1301-D	2.093	1.161	0.166	1.231	0.899	79.5 @ 1.679	178 @ 1.239	7.000 RH	GM
32-1330-D	2.050	1.280	0.207	1.490	1.076	80 @ 1.800	215 @ 1.370	6.250 LH	GM
32-1368	1.720	1.060	0.125	0.960	0.710	37 @ 1.350	62 @ 1.100	8.00 RH	KIA, MAI, MAZ
32-1374	1.780	0.960	0.166	1.232	0.900	75 @ 1.440	165 @ 1.040	6.000 RH	GM
32-1405	1.923	1.176	0.178	1.305	0.949	65 @ 1.600	161 @ 1.200	6.600 RH	TOY
32-1420	2.114	1.200	0.200	1.410	1.010	129 @ 1.650	225 @ 1.350	6.300 LH	FDI, FOR
32-1558	1.700	0.990	0.177	1.124/1.248	0.770/0.894	71-79 @ 1.437	193-207 @ 1.027	5.800 RH	GM
32-1615	1.976	1.043	0.135	1.040T	0.770T	65@ 1.570	149@1.103	8.00 RH	FOR
32-1680	2.050	1.200	0.177	1.240	0.893	85 @ 1.700	205 @ 1.270	6.70 RH	GDI, GM
32-1684	2.130	1.148	0.170	1.352	1.005	60 @ 1.730	130 @ 1.330	6.750 RH	FOR
32-1943-D	2.140	1.160	0.192	1.260	0.876	110 @ 1.800	325 @ 1.200	6.00 RH	GDI, GM
32-02061	2.385	1.400	0.187	1.320	0.948	78 @ 2.000	174 @ 1.650	7.60 RH	CAS, CHC,CUM
32-2210	2.016	1.280	0.199	1.300	0.902	85 @ 1.780	255 @ 1.330	6.550	GM
32-2212	1.958	1.200	0.187	1.250T	0.876T	50 @ 1.800	214 @ 1.318	6.500 RH	GM, ISU
32-2215	1.796	1.090	0.151	1.041	0.739	60 @ 1.496	154 @ 1.142	7.35 LH	CHC
32-2225	1.890	1.156	0.185	1.338T	0.968	75 @ 1.640	210 @ 1.216	6.600 RH	CHC
32-2230	1.905	1.112	0.152	1.044	0.740	75 @ 1.496	136 @ 1.171	7.60 RH	CHC
32-2278	1.716	0.930		0.955	0.689		99 @ 1.071		HYU, KIA
32-2280	1.768	0.85		0.850	0.475	32 @ 1.310	72 @ 1.062		KIA
32-2286	1.788	0.821		1.000	0.575	38 @ 1.370	74 @ 1.062		KIA, HYU
32-2302	1.694	0.905	0.150 X	1.210	0.824	63 @ 1.437	191 @ 0.957	6.300 RH	FOR
32-2460	1.900	1.105	0.177	1.216T	0.860T	81 @ 1.610	181 @ 1.280	6.500 RH	GM
32-2475	1.975	1.110	0.160	1.344T	0.925T	85 @ 1.602	206 @ 1.151	7.300 RH	FOR
32-2476	1.830	1.191	0.148	0.942	0.646	80 @ 1.468	152 @ 1.226	8.000 RH	FOR
32-2480	2.243	1.236	0.162 X	1.192T	0.784T	117 @1.810	266 @1.322	8.100 RH	CHC
32-2482	1.950	1.050	0.145 X	1.160T	0.800T	75 @ 1.580	185 @ 1.137	7.200 RH	CHC
32-2484	1.557	0.725	0.128	1.001	0.745	34 @ 1.317	109 @ 0.838	5.700 RH	GM
32-2486	2.025	1.150	0.167	1.30T	0.961T	54 @ 1.700	158 @ 1.250	7.000 RH	FOR
32-2487	2.101	1.073	0.136x	1.069T	0.738T	68 @ 1.676	170 @ 1.134	8.000 RH	FOR
32-2488	1.673	0.730	0.152	1.106	0.802	44.9 @ 1.427	151.3 @ 0.934	5.100 RH	GM
32-2497	2.616	1.660		1.276T	0.827T	2.36 @86	1.82 @295		FOR
32-2498	2.763	1.597	0.170x	1.256T	0.827T	109 @2.36	283 @1.76	9.93RH	FOC
32-2500	2.090	1.250	0.183	1.213T	0.849T	76 @ 1.800	220 @ 1.320	7.150 RH	GM
32-2511	1.810			0.937	0.685	0.941	1.063		HYU, KIA
32-2522	2.212	1.220	0.187	1.398T	1.020T	90 @ 1.808	226 @ 1.338	6.60 RH	GDI, GM, GMM
32-3406	1.812	0.930	0.134 x	1.077	0.742	47 @1.550	180 @0.975	6.95 RH	CUM
32-04002	1.800	0.980	0.150	1.224T	0.924T	30 @ 1.600	75 @ 1.300	6.850 RH	GM
32-04013	2.050	1.270	0.207	1.424T	1.010T	75 @ 1.840	250 @ 1.348	6.300 RH	GDI, GM
32-04017	1.834	1.000	0.182	1.293T	0.935T	68 @ 1.600	205 @ 1.170	6.000 LH	FOR
32-04018	1.910	1.000	0.162 X	1.250T	0.860T	77 @ 1.600	208 @ 1.175	6.700 RH	GM, ISU
32-04026	2.020	1.150	0.142	0.994	0.714	36 @ 1.750	103 @ 1.300	8.250 LH	FOR,MAZ
32-04029	2.169	1.125	0.131	0.919/1.033	0.591/0.706	79@1.655	171@1.222	8.800 RH	FOR
32-04034	2.678	1.300	0.125	0.989	0.739	44 @ 1.978	83 @ 1.416	10.30 LH	HON
32-04040	2.076	1.377	0.169	0.995	0.657	64 @ 1.880	207 @ 1.440	8.15 RH	FDI, FOR, IHN

-D Suffix Denotes Spring With Damper

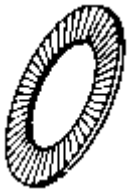
SPRING NUMERICAL LISTING

QC #	Free Length	Solid Height	Wire Size	O.D.	I.D.	Closed Position Pressure @ Length	Open Position Pressure @ Length	# Of Coils Left Or Right Hand	Application
32-04041	2.216	1.137	0.156	1.177	0.865	34 @1.941	134 @ 1.291	7.50 RH	GDI, GM
32-04042	2.180	1.130	0.178	1.365T	1.015T	75 @ 1.808	205 @ 1.338	6.50 RH	GDI, GM
32-04046	2.126	1.221	0.170 x	1.257T	0.845T	94@1.800	260@1.320	7.50 RH	GM
32-04049	2.194	1.280	0.187	1.342	0.968	38@2.010	184@1.440	7.00 RH	CUM
32-04051	1.770	0.890	0.126 x	1.042	0.726	27@1.589	120@1.044	7.200 RH	GM, ISU
32-04053	1.824	0.995	0.140 X	1.076	0.720	30.5@ 1.658	133@ 1.161	7.35 RH	CHC,CUM
32-04058	2.336	1.130	0.152	1.320	0.920	79@ 1.850	223@ 1.200	7.50 RH	CUM
32-04059	1.776	1.061	0.135	0.990T	0.720T	39 @ 1.492	92 @ 1.205	8.10 RH	FOR, MAZ
32-04060	1.678	0.820	0.123	1.026	0.720	59@1.280	124@0.886	7.00RH	GM
32-5001	1.729	0.865	0.126 x	1.030T	0.714T	58 @1.378	141 @0.945	7.10 RH	GM
32-5008	1.760	0.905	0.126	1.033T	0.717T	42 @ 1.500	136 @ 0.97	7.45 RH	GM
32-5009	1.858	1.030	0.128	0.927T	0.671T	53 @1.450	115 @1.080	8.20 RH	FOR
32-5010	2.520			1.425	0.905	80@2.15	204@1.60	8.00 RH	GDI, GM
32-5011	2.047	1.045	0.123 x	0.999T	0.693T	62 @1.58	151 @1.08	8.75 RH	FOC
32-5015	1.970	0.905	0.123x	1.015T	0.714T	89@ 1.338	146@ 0.964	7.55 RH	FDI, FOR
32-5016	2.540	1.570	0.170x	1.213T	0.789T	101@2.154	303@1.637	9.5 RH	FOR 6.2L
32-5017	2.125	1.230	0.170x	1.270T	0.845T	63@1.900	288@1.275	7.60RH	GM
32-5019	2.176	1.050	0.133x	0.923T	0.670T	47@1.600	108@1.100	9.50RH	FOR
32-5021	1.715	0.915	0.128	0.912T	0.659T	38@1.450	126@0.950	7.45 RH	BMW
32-5022	2.050	1.270	0.156	1.017	0.703	35@1.850	192@1.325	8.25 RH	BMW
32-5023	1.915		0.150x	1.127T	0.749T	80@1.580	185@1.137	7.00RH	CHC
32-5024	2.370	1.429	0.178x	1.299T	0.874T	117@1.988	332@1.466	8.35RH	CHC
32-5029	1.665	0.775	0.109	0.862	0.644	45 @1.181	79 @0.847	6.95 RH	GM
32-5507		1.080		0.800T	0.712T	67 @ 1.53	128 @ 1.13		TOY
32-5508		1.109		0.975T	0.715T	58 @1.63	105 @1.26		TOY
52-65113	2.098	1.150	0.192	1.280	0.650	115 @ 1.800	332 @ 1.265	5	GM
32-6570	2.386	1.262	0.170	1.285	0.945	44@2.055	184@1.300	7.75 RH	ISU 5.2L
32-6607	2.081	1.258	0.165 X	1.245T	0.825T	90@1.801	254@1.315	7.75 RH	GM
32-6612	1.907	1.040	0.150 X	1.147T	0.771T	65@1.650	241@1.075	7.15 RH	CHC
32-6614	1.898	1.075	0.146 X	1.144T	0.779T	104@1.540	235@1.067	7.00 RH	CHC
32-6627	2.134	1.252	0.176 X	1.260T	0.807T	100 @ 1.870	326 @ 1.299	7.25 RH	CHC
32-6628	2.024	1.181	0.178 X	1.272T	0.826T	100 @ 1.771	326 @ 1.220	7.00 RH	CHC
32-6634	1.656	0.900	0.142	1.004	0.720	37 @1.450	144 @0.950	6.50 RH	GM
32-6634	1.656	0.900	0.142	1.004	0.720	37 @ 1.450	144 @ 0.950	6.50 RH	GM 4.6
32-6648	2.788	1.385	0.165	1.302	0.972	73 @ 2.100	154 @ 1.450	8.50 RH	MBT
32-6649	1.810	0.930	0.122	0.858	0.613	45 @1.500	124 @0.975	7.75 RH	JDR
32-6656	2.055	1.130	0.126x	1.002T	0.686T	67 @1.575	156 @1.169	9.20RH	CHC
32-6666	2.070	1.004	0.114 X	0.915T	0.508T	68 @ 1.450	132 @ 1.06	9.15 RH	FOR
32-6680	1.768	0.898	0.130	0.961	0.701	45 @1.433	108 @1.039	7.15 LH	CHC
32-6681	1.680	0.898	0.134	0.969	0.701	39@1.433	108@1.039	6.90LH	CHC
32-6682	1.834	0.992	0.138	0.976	0.701	62@1.433	130@1.051	7.50RH	CHC
32-6684	1.893	1.050	0.130	0.975T	0.715T	42 @1.492	104 @1.130	8.60RH	FOR
32-6688	2.253	1.305	0.209	1.276 T	0.858T	87 @ 1.900	272 @1.375	8.10 RH	GM
32-6691	2.875	1.316	0.187	1.434	0.947	150 @1.928	230 @1.473	7.00 RH	CUM
32-6699	1.674	0.865	0.177	1.408	1.054	38 @1.506	167 @0.958	4.90 RH	CAT, PER
32-6700	1.783	0.972	0.142	1.004T	0.725T	59 @1.476	144 @1.031	5.30RH	GM 3.6L
32-6701	2.507	1.244	0.157	1.231T	0.676T	37 @2.014	88 @1.690	5.90RH	GM 6.6L
32-6708	1.804	0.980	0.118	0.815	0.579	29 @1.573	72 @1.234	8.30 RH	GM 1.5L
32-6711	2.498	1.220	0.154	1.216T	0.906T	96 @1.693	155 @1.307	8.30 RH	GM
32-6712	2.457	1.254	0.153x	1.002T	0.697	37 @2.10	101 @1.634	8.20 RH	FOR
32-6714	2.587	1.612		1.135T	0.825T	107@2.154	307@1.638	9.50 RH	FOR 6.2L
32-6715	1.791	1.023	0.126	1.033T	0.716T	47@1.456	100@1.150	8.13 RH	GM 2.5L, 3.6L
32-6716	1.996	0.991	0.130	1.060	0.735	49@1.684	117@1.252	7.60 RH	CUM 6.7L
32-6717	2.228	1.250		1.059T	0.726T	46@1.896	125@1.527	9.40 RH	FOR 5.0L
32-6722	1.736	0.921	0.126	0.902	0.650	37 @ 1.498	89 @ 1.164	7.30 RH	CHC

-D Suffix Denotes Spring With Damper



.060" Thick Copper-Colored



.030" Thick Silver-Colored

Outside Cup Helps Control Spring Walk

VALVE SPRING INSERT NUMERICAL / APPLICATION LISTING

QC #	Thickness In Thous-andths	H.P.	O.D	I.D.	Application
33-1071-5	15		1.250	0.625	Universal
33-6031-5	15		1.500	0.562	Universal
33-30615-5	15		1.437	0.645	Universal
33-1041	15		1.000	0.765	
33-1073	30	*	1.250	0.625	Audi, Chev., Chrysler, Datsun, Honda/Motorcycle, Kawasaki, Jaguar, Mazda, Perkins, Toyota, Triumph, Yamaha
33-3053	30	*	1.437	0.785	Datsun, Mack, Nissan, Perkins, Pontiac
33-3043	30		1.500	1.156	Case, Cat., Perkins
33-3023	30		1.312	0.765	Allis-C., AMC, Austin-Healey, Case, Cat., Chev., Cont., Ford Bronco, Holden, IHC, Mack, MG, Oliver, Porsche, Toyota
33-3013	30	*	1.375	0.765	Ford Bronco, Ford Tractor, GMC, Harley-Davidson, Pontiac, Triumph
33-3003	30		1.125	0.719	AMC, Cat., Chrysler., Cont., Cummins, Dodge Truck, Ford Bronco, Hillman, Honda, Jeep, John Deere, Mack, Mercedes, Peugeout, Toyota, White
33-2043	30		0.796	0.515	Detroit / GMC 53 Ser. 4V, Wauk.
33-2033	30	*	1.250	0.812	Allis-C., Buick, Cadillac, Chev., GMC, Herc., IHC, Jeep, John Deere, Mack, Mazda, Olds, Pontiac, White
33-2023	30		0.915	0.640	Allis-C., Buick, Chev. Truck, Chrysler, Cont., Detroit, Ford Bronco, GMC, Herc., I.H.C., Jeep, John Deere, Kawasaki, Renault, Onan, Porsche
33-3063	30	*	1.437	0.645	Cat., Chev., Ford, Olds. Special Small Block
33-2003	30		1.360	0.640	Austin, BMW, Chev., Chev. Truck, IHC Truck, Isuzu, Jeep, MG, Opel
33-3033	30	*	1.480	0.703	Buick, Cadillac, Chev., Chev. Truck, IHC, Mack, Olds., Pontiac
33-1063	30		1.100	0.719	Austin-Healy, Alfa Romeo, Case, Chev., Citroen, Fiat, I.H.C., Mercedes, M.G., Morris, Opel, Triumph, VW, Wauk., Wisconsin
33-1053	30	*	1.218	0.875	Buda, Case, Cat., Datsun, Detroit, Fiat, Ford, Harley-Davidson, Kawasaki, Pontiac, Porsche, VW, Wisconsin
33-1043	30		1.000	0.765	Cont., Ford, Honda Motorcycle, Oliver, Renault, Wauk.
33-1033	30	*	1.500	1.031	AMC, Chev., Chev. Truck, Chrysler, Datsun, Dodge Truck, Ford, Ford Truck, Lincoln, Minn., Pontiac, White
33-1023	30	0	1.360	1.000	AMC, Cat., Chrysler, Colt, Datsun, Ford, Ford Tractor, Ford Truck, IHC, John Deere
33-1013	30		1.000	0.688	AMC, Case, Cont., Cummins, Fiat, Ford, Onan, Porsche,Triumph, Toyota, Volvo, Waukesha
33-1003	30		1.312	0.954	Buick, Chev. Truck, Datsun, Minn-Mo., Nissan, Pontiac, Porsche, Toyota, Waukesha
33-2013	30	*	1.250	0.875	AMC, Buick, Cadillac, Chev., Cummins, Ford Ger., Herc., Jeep, Olds, Pointiac
33-8023-5	30	^	0.920	0.520	Detroit 92 Ser.
33-4003	30		1.750	0.820	Cummins, Dodge Truck, IHC, Oliver
33-6013-5	30	^	1.640	0.635	Chev., Chrysler, Ford w/ Remachined Guide
33-4033	30		1.375	0.781	Chev. Truck, Dodge Truck, Ford, GMC, IHC, John Deere, Oliver, Perkins, White
33-4043	30		1.500	0.875	Cat., Chev. Truck, Cummins, GMC, IHC, Wauk.
33-6033-5	30	^	1.500	0.562	Ford 351 SVO
33-4083	30		1.140	0.570	Austin, Detroit/GMC 71 Ser. 2V
33-1076	60		1.250	0.625	Audi, Chev., Chrysler, Datsun, Honda/Motorcycle, Kawasaki, Jaguar, Mazda, Perkins, Toyota, Triumph, Yamaha
33-1066	60		1.100	0.719	Austin-Healy, Alfa Romeo, Case, Chev., Citroen, Fiat, I.H.C., Mercedes, M.G., Morris, Opel, Triumph, VW, Wauk., Wisconsin
33-6016-5	60	^	1.640	0.635	Chev., Chrysler, Ford w/ Remachined Guide
33-1056	60		1.218	0.875	Buda, Case, Cat., Datsun, Detroit, Fiat, Ford, Harley-Davidson, Kawasaki, Pontiac, Porsche, VW, Wisconsin
33-1046	60		1.000	0.765	Cont., Ford, Honda Motorcycle, Oliver, Renault, Wauk.
33-5066	60		1.530	0.645	Cup: Same Appl. As 33-306. Overall O.D. 1.650
33-1036	60	*	1.500	1.031	AMC, Chev., Chev. Truck, Chrysler, Datsun, Dodge Truck, Ford, Ford Truck, Lincoln, Minn., Pontiac, White
33-5036	60	*	1.520	1.031	Cup: Same Appl. As 33-103. Overall O.D. 1.640

*** Also Available in High-Performance w/ -5 Suffix** **^ Only Available in High-Performance**

-1 Suffix Denotes Special Application

For Cup and I.S. Cup O.D. and I.D. Are For Spring Pad

VALVE SPRING INSERT NUMERICAL / APPLICATION LISTING

QC #	Thickness In Thous-andths	H.P.	O.D	I.D.	Application
33-1026	60	*	1.360	1.000	AMC, Cat., Chrysler, Colt, Datsun, Ford, Ford Tractor, Ford Truck, IHC, John Deere
33-8806-5	60	^	1.170	0.600	Toyota
33-5126-5	60	-1	1.614	0.570	Chevy SB Aluminum
33-5146	60		1.700	0.570	Chevy BB Aluminum
33-1016	60		1.000	0.688	AMC, Case, Cont., Cummins, Fiat, Ford, Onan, Porsche,Triumph, Toyota, Volvo, Waukesha
33-8016-5	60	^	1.250	0.812	Buick, Cadillac, Chev., Pontiac
33-4086	60		1.140	0.570	Austin, Detroit/GMC 71 Ser. 2V
33-3056	60	*	1.437	0.785	Datsun, Mack, Nissan, Perkins, Pontiac
33-3046	60		1.500	1.156	Case, Cat., Perkins
33-3036	60	*	1.480	0.703	Buick, Cadillac, Chev., Chev. Truck, IHC, Mack, Olds., Pontiac
33-4046	60		1.500	0.875	Cat., Chev. Truck, Cummins, GMC, IHC, Wauk.
33-1006	60		1.312	0.954	Buick, Chev. Truck, Datsun, Minn-Mo., Nissan, Pontiac, Porsche, Toyota, Waukesha
33-3016	60	*	1.375	0.765	Ford Bronco, Ford Tractor, GMC, Harley-Davidson, Pontiac, Triumph
33-5056	60		1.399	0.821	Cup: Small Block Chevy w/ Remachined Spring Pad
33-3006	60		1.125	0.719	AMC, Cat., Chrysler., Cont., Cummins, Dodge Truck, Ford Bronco, Hillman, Honda, Jeep, John Deere, Mack, Mercedes, Peugeout, Toyota, White
33-2006	60	*	1.360	0.640	Austin, BMW, Chev., Chev. Truck, IHC Truck, Isuzu, Jeep, MG, Opel
33-2036-1	60		1.140	0.812	Ford Escort 1.6L 1978
33-2036	60	*	1.250	0.812	Allis-C., Buick, Cadillac, Chev., GMC, Herc., IHC, Jeep, John Deere, Mack, Mazda, Olds, Pontiac, White
33-5026	60		1.390	1.000	Cup: Same Appl. As 33-102. Overall O.D. 1.542
33-2026	60		0.915	0.640	Allis-C., Buick, Chev. Truck, Chrysler, Cont., Detroit, Ford Bronco, GMC, Herc., I.H.C., Jeep, John Deere, Kawasaki, Renault, Onan, Porsche
33-3066	60	*	1.437	0.645	Cat., Chev., Ford, Olds. Special Small Block
33-2016	60	*	1.250	0.875	AMC, Buick, Cadillac, Chev., Cummins, Ford Ger., Herc., Jeep, Olds, Pointiac
33-3026	60		1.312	0.765	Allis-C., AMC, Austin-Healey, Case, Cat., Chev., Cont., Ford Bronco, Holden, IHC, Mack, MG, Oliver, Porsche, Toyota
33-4056	60		1.750	0.890	John Deere

*** Also Available in High-Performance w/ -5 Suffix** **^ Only Available in High-Performance**

-1 Suffix Denotes Special Application

For Cup and I.S. Cup O.D. and I.D. Are For Spring Pad

KEEPER NUMERICAL LISTING

QC #	Heat Treated	Application	No. Of Grooves
34-212	Yes	FOR, MAI, MAZ	1
34-217	Yes	CHC, GM 8mm	1
34-237	Yes	CHC	4
34-281	Yes	FDI, FOR, LAN, MAZ	3
34-510	Yes	CAT, GM	1
34-00515	Yes	CHC, FOR,VOH	3
34-555	Yes	Universal 11/32	1
34-613	Yes	Universal 3/8	1
34-614	Yes	Universal 5/16	1
34-619	Yes	CHR, FOR, MAZ, VOK	3
34-620	Yes	FOR, MAZ	4
34-716	Yes	CHC, FOR, HYU, MAZ, MDI, MIT	1
34-719	Yes	CHC, Mit. 6mm	1
34-746	Yes	CAT, CHI, CHM, CHC, CUM, JDR, WAU	2
34-766	Yes	CHI, CHM, CHC, IHC, IHN	4
34-802	Yes	CAS, CON, FDI, FOR, IHN, JDR, MAC	1
34-811	Yes	TOI, TOY	1
34-811M	Yes	TOY 22R Machined	1
34-813	Yes	CHC, MDI, MIT	1
34-00992	Yes	GM	1
34-01030	Yes	CHC	4
34-03722	Yes	CHC	3
34-04644	Yes	CUM, IHC, IHN, ISU	1
34-5001	Yes	GM, ISU	1
34-5005	Yes	GM LS, TOY 8mm	1
34-5007	Yes	FOR, NIS	1
34-5008	Yes	HON	1
34-5009	Yes	FOR, GM, SUZ	1
34-5010	Yes	HIN,NIS	1
34-5011	Yes	GM, NIS, TOY	1
34-5012	Yes	GM, NIS	1
34-5021	Yes	Various	3
34-5020	Yes	CHC, CUM	1
34-5022	Yes	GM,SUZ	1
34-5023	Yes	GM,TOY	1
34-5024	Yes	FOR, HON 5.5mm	1
34-5028	Yes	HYU, KIA	1
34-5030	Yes	GM	1
34-5031	Yes	VOK	3
34-5032	Yes	GM	1
34-5033	Yes	BMW, GM	3
34-5034	Yes	SUB	1
34-5035	Yes	SUB	1
34-5132	YES	MBT	1
34-5143	Yes	CHC, FOR	3
34-5144	Yes	FOR	3
34-5145	Yes	FOC	3
34-06513	Yes	CHC, MIT, PER, VOK	3
34-07050	Yes	CHC	3
34-07209	Yes	GM	1

LIFTER NUMERICAL LISTING

QC #	Type	Length	O.D.	Application
36-817CCI	Hydraulic	2.000	0.8425	GM Flat Chilled Cast Iron
36-900CCI	Hydraulic	2.000	0.8743	FOR Flat Chilled Cast Iron
36-951	Hydraulic	2.000	0.8425	GM
36-6005	Hydraulic	2.000	0.8425	GM
36-976	Hydraulic	1.900	0.9380	CHC
36-992	Mechanical	2.000	0.8425	GM Early
36-2011CCI	Hydraulic	1.900	0.9040	CHC Chilled Cast Iron
36-2012	Hydraulic	2.108	0.8420	FOR,MAZ
36-2056	Hydraulic	2.010	0.8425	GM
36-2083	Hydraulic	1.830	0.8743	FOR
36-2084	Mechanical	1.830	0.9043	CHC
36-2089	Hydraulic	1.830	0.9043	CHC
36-2090	Hydraulic			HYU, KIA
36-2091	Hydraulic		0.470	HYU 1.8/2.0, KIA 1.8/2.0
36-2095	Hydraulic	2.000	0.8425	GM
36-2104	Hydraulic	2.602	0.9210	GM,FOR,IHC
36-2105	Hydraulic	2.043	0.6263	CHC
36-2148	Hydraulic	2.600	0.8425	GM Vortec Roller
36-2148G	Guide			GM Vortec Dogbone Guide
36-2198	Hydraulic	0.756	0.2480	FOR, NIS
36-2205	Hydraulic	2.515	0.8742	FOR
36-2217	Hydraulic	1.874	0.8740	FOR
36-2236	Hydraulic	1.057	1.3748	GM
36-2244	Hydraulic	1.650	0.8700	FOR,MAZ
36-2251	Hydraulic	1.020	1.3800	VOK
36-2254	Hydraulic	0.815	0.4710	FOR, MAZ, SUB
36-2269	Hydraulic	2.600	0.904	CHC
36-2270	Hydraulic	2.230	0.8431	GM
36-2271	Hydraulic	2.017	0.6299	FOR,CHC
36-2272	Hydraulic	1.024	1.2200	SUZ, GM
36-2273	Hydraulic	1.065	1.2980	GM
36-2274	Hydraulic	2.051	0.6260	CHC, HYU, MIT
36-2276	Hydraulic	0.939	1.1850	MAZ
36-2278	Hydraulic	1.831	0.6263	CHC
36-2279	Hydraulic	2.603	0.8421	GM BBC Roller
36-2279G	Guide			GM BB Dogbone Guide
36-2284	Mechanical	0.943	1.1783	NIS
36-2286	Mechanical	1.005	1.3370	NIS
36-2289	Hydraulic	1.024	1.1825	HYU,KIA
36-2291	Hydraulic	0.963	1.3752	HON, ISU
36-2296	Hydraulic Roller	2.200	0.8420	GM
36-2297	Hydraulic	1.606	0.4710	CHC
36-2298	Mechanical	3.330	1.180	GM, GDI
36-2299	Mechanical	0.974	1.2270	GM, TOY
36-2303FLA	Assembly			GM
36-2303RG	Guide			GM
36-2303	Hydraulic	3.785	0.842	GM
36-2303RLA	Assembly			GM
36-2303FG	Guide			GM
36-2305	Hydrualic	1.960	0.6300	FOR
36-2314	Hydraulic	1.470	0.4720	FOR
36-2332	Hydraulic	2.600	0.842	CHC

QC #	Type	Length	O.D.	Application
36-6000	Hydraulic	1.024	0.5110	CHC, HYU, MAZ, MIT
36-6005	Hydraulic	2.000	0.8425	GM,TOI,TOY
36-6600G	Guide			FOR
36-6600	Hydraulic Roller		0.825	FOR
36-6600K	Kit			FOR
36-7005	Hydraulic	2.011	0.6295	FOR
36-7089	Hydraulic	1.030	1.2583	DAE,GM,ISU,VOL
36-7022	Hydraulic	1.029	1.1161	FOR
36-7075	Hydraulic	1.024	1.3189	VOK
36-7076	Hydraulic	0.945	0.9449	VOK
36-7078	Hydraulic	1.250	0.471	CHC
36-7082	Hydraulic	1.048	0.4720	GM,ISU
36-7085	Hydraulic			NIS
36-7089	Hydraulic	1.029	1.263	GM
36-7090	Hydraulic	1.298	1.0250	HYU
36-7092	Hydraulic	0.985	0.472	VOK
36-7101	Hydraulic		0.512	FOR
36-7103K	Hydraulic Roller Kit			CHC
36-7104K	Hydraulic Roller Kit			CHC
36-7107	Hydraulic			HYU
36-7108	Hydraulic			HYU,KIA
36-7114	Hydraulic	1.555	0.4724	NIS,REN
36-2315	Hydraulic		1.173	FOR
36-7117	Hydraulic	1.350	0.4722	GM
36-7501	Mechanical		1.219	FOR
36-7502	Mechanical			FOR
36-7503	Mechanical			FOR
36-7530	Hydraulic		0.472	MIN
36-7531	Hydraulic		0.472	MIN
36-7533	Mechanical			FOR
36-7534	Mechanical			FOR
36-7561	Hydraulic	0.990	0.472	CHC, MBT

ROTATOR NUMERICAL LISTING

QC #	Application	Type
37-1046	GDI, GM, GMM	Rotator
37-2899	GDI, GM, GMM	Rotator
37-4003	GDI, GM, GMM	Rotator
37-5666	CHC, CUM	Rotator

VALVE STEM SEAL NUMERICAL LISTING

QC #	Type	Application
38-20-45	TH	CHC, MII, MIT, VOK
38-46-45	TH	FOR
38-53-45	MC	NIS
38-031-45	TH	HON
38-097-65	2R	TOY
38-107-55	MC	Universal
38-108-45	MC	FOR
38-111-45	TH	FOR
38-119-35	UM	GDI, GM
38-120-45	MC	TOY
38-124-45	TH	FOR
38-125-65	2R	MAZ
38-160-55	TH	FDI, FOR, IHN
38-173-45	TH	FDI, FOR, IHN
38-210-55	MC	TOY
38-224-45	TH	FOR
38-226-45	UM	CHC
38-231-25	2R	GM
38-240-15	OR	CHC,
38-240-25	OR	CHC, GM
38-247-45	MC	GM
38-252-45	UM	GM
38-253-45	UM	CHC, FDI, FOR
38-254-45	UM	CHC
38-259-35	UM	FDI, FOR
38-260-35	UM	CHC, FOR
38-292-45	TH	FOR
38-299-45	MC	GDI, GM
38-300-45	RB	FOR
38-309-45	MC	FOR
38-310-55	MC	TOY
38-322-45	RB	GM
38-345-55	MC	CHC
38-354-45	TH	GM
38-371-45	MC	GDI, GM
38-373-55	MC	Universal
38-375-55	MC	Universal
38-377-45	MC	Universal
38-400-55	RB	FOR
38-403-45	MC	CAT, FDI, FOR, JDR
38-407-45	TH	GM
38-450-15	UM	GM
38-450-25	UM	CHI, FOR, GDI, GM, PER, TOI
38-450-45	UM	Universal
38-475-45	MC	TOY
38-480-45	MC	TOY
38-481-45	MC	TOY
38-503-55	MC	NIS
38-518-45	MC	NIS
38-520-45	MC	ISU
38-530-15	UM	CHC, FOR
38-530-25	UM	CHC, CHI, FDI, FOR, GM, IHC
38-530-45	UM	CHC
38-532-55	MC	Universal
38-535-25	RB	CHC
38-535-45	RB	CAS, CHC, CUM, GM
38-537-45	MC	TOY

QC #	Type	Application
38-552-45	MC	GDI, GM
38-553-55	MC	HYU, KIA, MIT
38-565-45	TH	FOR
38-569-45	MC	HON
38-570-45	RB	HON
38-571-45	TH	FOR
38-585-45	TH	GM
38-586-45	TH	GM
38-588-45	TH	GM
38-592-55	MC	HON
38-700-45	MC	SUZ
38-701-45	MC	SUZ
38-731-15	2R	GM, FOR
38-731-25	2R	GM
38-737-15	UM	CHC
38-752-45	TH	CHC
38-766-25	UM	FOR
38-780-25	UM	CHC, CHI, CHM
38-800-45	TH	CHC
38-802-45	MC	CHC
38-803-45	MC	CHC
38-804-45	MC	CHC
38-805-55	MC	GM
38-805-45	MC	FOR
38-806-55	MC	FOR
38-809-45	TH	GM
38-810-45	RB	FOR
38-811-55	MC	GDI, GM, GMM
38-812-45	MC	CHC, FOR
38-819-45	RB	GM
38-821-45	RB	GM
38-823-45	MC	GM
38-824-45	MC	GM
38-827-45	MC	FDI, GM, ISU
38-827-25	MC	GM
38-829-45	RB	GM
38-830-45	RB	GM, JDR
38-840-45	TH	FOR
38-843-45	TH	FOR
38-844-45	RS	FDI, FOR, GM, IHN
38-900-45	TH	GM
38-901-45	TH	GM
38-902-45	TH	GM LS
38-905-15	UM	FOR
38-905-25	UM	FDI, FOR
38-905-45	TH	FOR
38-910-15	UM	GM
38-910-25	UM	CHC, FDI, FOR, GM, GMM, IHC, IHN, VOK
38-915-15	UM	FOR
38-916-25	UM	FOR
38-916-15	UM	FOR
38-915-25	UM	CHC, FOR, FOM, GM, IHC, IHN
38-921-15	2R	CHC, GM
38-922-35	UM	GM
38-921-25	2R	Universal
38-923-35	UM	GM
38-925-15	2R	FOR

Material Denoted by Suffix:

-15 Nitrile
-25 Polyacrylic
-35 Glass Filled Nylon
-45 Viton
-55 Metal Clad
-65 Silicone
-70 Teflon And Rubber
-75 All Teflon
-80 Teflon And Metal

VALVE STEM SEAL NUMERICAL LISTING

QC #	Type	Application
38-925-25	RB	Universal
38-928-25	UM	CHC
38-929-15	RB	GM
38-931-25	OR	VOK
38-935-45	RB	GM
38-936-45	RB	FOR, GM
38-937-15	RB	FDI, FOR, GM
38-938-45	RB	Universal
38-938-25	RB	FOR, GM
38-950-25	MC	FOR
38-951-25	2R	FDI, FOR, GM, GMM
38-956-45	RB	GM
38-961-55	MC	MDI, NII, NIS, VOK
38-962-45	RS	Universal
38-964-55	MC	Universal
38-966-55	MC	KIA, MAI, MAZ
38-967-25	MC	TOY
38-967-55	MC	GM, TOI, TOY
38-976-45	2R	HON
38-978-55	MC	VOK
38-980-45	MC	TOY
38-981-25	MC	TOY
38-982-25	MC	TOY
38-985-55	MC	FOR, NII, NIS
38-988-55	MC	NIS
38-994-55	MC	HON, SUZ
38-996-55	MC	CHC,HYU,MIT
38-997-45	MC	MAZ
38-998-45	MC	HON, MAZ, SUZ
38-1045-70	TR	FDI, GMM
38-1054-70	TR	Universal
38-1062-70	TR	FDI, FOR
38-1065-70	TR	FOR, GM, IHC
38-1066-75	TE	FOR, GM
38-1067-75	TE	Universal
38-1068-70	TR	Universal
38-1090-75	TE	GMM, GM
38-1091-75	TE	FOR
38-1321-55	MC	SUB
38-1329-45	MC	DAE, GM, ISU, SAA
38-3500-45	TH	GM
38-3995-55	MC	CHC,VOK
38-4788-35	UM	GM
38-5080-55	MC	CHC, MBT, MER
38-6036-55	TH	GM, SAA, SUZ
38-6101-55	TH	CHC,HYU,KIA
38-6103-55	MC	KIA
38-6105-55	TH	FOR, MAZ
38-6108-55	MC	TOY
38-6100-55	TH	DAE
38-6114-55	TH	CHC, CUM
38-6115-55	TH	GDI, GM, IDI, ISU
38-6116-45	UM	CHC
38-6117-55	TH	NIS, REN
38-6118-55	TH	FOR
38-6119-55	TH	FOR
38-6120-55	TH	FOR

QC #	Type	Application
38-6125-55	TH	FOR
38-6127-55	TH	FOR
38-6128-55	TH	FOR
38-6129-55	TH	FDI, FOR
38-6130-55	TH	BMW
38-6131-55	TH	GM
38-6132-55	MC	GDI, GM
38-6137-55	MC	GM
38-6138-55	MC	NIS
38-6153-55	TH	GM
38-6492-55	MC	DDA, MBT
38-6493-55	TH	FOR
38-6509-55	TH	GM
38-6510-55	TH	GM
38-6512-55	TH	NIS
38-6514-55	TH	FOR
38-6518-55	TH	FOR
38-6519-55	TH	FOR
38-6520-55	TH	GM
38-6522-55	TH	FOR
38-6995-45	TH	GM
38-6997-55	TH	FOR
38-7000-55	TH	FOR
38-7001-55	TH	CHR
38-7002-55	MC	ISU
38-7004-55	MC	NIS
38-8500-55	MC	Universal
38-8530-55	MC	Universal
38-9191-45	TH	CHC, CUM
38-9500-55	MC	Universal
38-9526-55	TH	CHC
38-9530-55	MC	Universal
38-9675-45	MC	CHC, MBT, VOK

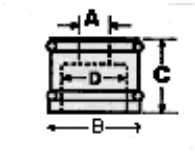
Material Denoted by Suffix:

-15 Nitrile
-25 Polyacrylic
-35 Glass Filled Nylon
-45 Viton
-55 Metal Clad
-65 Silicone
-70 Teflon And Rubber
-75 All Teflon
-80 Teflon And Metal

VALVE STEM SEAL LISTING BY TYPE AND STEM DIA.

2R

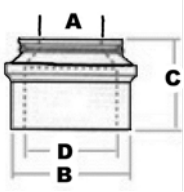
2 Ring



QC #	Nom. Stem Dia.	A	B	C	D
38-976-45	0.259	0.225	0.543	0.470	0.470
38-097-65	0.275	0.265	0.525	0.386	0.420
38-125-65	0.275	0.274	0.525	0.365	0.425
38-731-15	0.313	0.295	0.715	0.555	0.540
38-731-25	0.313	0.295	0.715	0.555	0.540
38-925-15	0.343	0.320	0.680	0.485	0.460
38-951-25	0.343	0.325	0.690	0.475	0.510
38-231-25	0.343	0.341	0.860	0.470	0.545
38-921-15	0.375	0.345	0.785	0.475	0.575
38-921-25	0.375	0.345	0.785	0.475	0.575

MC

Metal Clad



QC #	Nom. Stem Dia.	A	B	C	D
38-6137-55	0.196	0.1338	0.433	0.315	0.2905
38-6138-55	0.196	0.1594	0.4626	0.4468	0.3465
38-6108-55	0.196	0.168	0.455	0.404	0.370
38-210-55	0.216	0.178	0.493	0.405	0.400
38-6103-55	0.216	0.181	0.740	0.756	0.425
38-592-55	0.216	0.187	0.507	0.393	0.429
38-310-55	0.216	0.191	0.505	0.393	0.401
38-537-45	0.236	0.193	0.530	0.435	0.419
38-475-45	0.236	0.194	0.529	0.372	0.430
38-994-55	0.236	0.195	0.505	0.450	0.383
38-998-45	0.236	0.195	0.531	0.409	0.429
38-9675-45	0.236	0.196	0.480	0.395	0.335
38-520-45	0.236	0.197	0.531	0.390	0.429
38-701-45	0.197	0.201	0.456	0.372	0.358
38-553-55	0.236	0.202	0.546	0.465	0.426
38-981-25	0.197	0.202	0.530	0.370	0.413
38-1329-45	0.236	0.203	0.347	0.385	0.337
38-247-45	0.236	0.206	0.550	0.405	0.423
38-53-45	0.216	0.207	0.474	0.456	0.368
38-120-45	0.236	0.208	0.530	0.395	0.427
38-996-55	0.260	0.225	0.582	0.480	0.465
38-503-55	0.275	0.230	0.553	0.455	0.424
38-978-55	0.275	0.230	0.520	0.385	0.374
38-985-55	0.275	0.230	0.550	0.517	0.425
38-980-45	0.275	0.232	0.550	0.388	0.450
38-997-45	0.275	0.235	0.562	0.517	0.470
38-988-55	0.236	0.236	0.571	0.591	0.449
38-6132-55	0.273	0.236	0.435	0.453	0.437
38-481-45	0.236	0.237	0.534	0.370	0.435
38-569-45	0.260	0.237	0.541	0.410	0.470
38-827-45	0.250	0.238	0.620	0.512	0.497
38-824-45	0.275	0.240	0.632	0.390	0.415
38-1321-55	0.275	0.240	0.596	0.509	0.465
38-309-45	0.276	0.241	0.600	0.578	0.485
38-5080-55	0.275	0.242		0.3450	0.370
38-0438-45	0.276	0.244	0.636	0.549	0.484
38-299-45	0.276	0.245	0.573	0.381	0.434
38-827-25	0.250	0.250	0.610	0.513	0.500
38-0989-45	0.276	0.254	0.605	0.565	0.486
38-518-45	0.235	0.260	0.518	0.453	0.417
38-7002-55	0.313	0.2620	0.6150	0.6155	0.4910
38-950-25	0.315	0.265	0.723	0.365	0.455
38-802-45	0.313	0.272	0.677	0.516	0.519
38-812-45	0.315	0.272	0.613	0.367	0.454
38-961-55	0.313	0.272	0.564	0.535	0.470
38-3995-55	0.315	0.274	0.556	0.412	0.408
38-804-45	0.313	0.275	0.623	0.531	0.491
38-982-25	0.275	0.275	0.606	0.406	0.512
38-8500-55	0.313	0.275	0.546	0.498	0.497
38-8530-55	0.313	0.275	0.575	0.498	0.527
38-700-45	0.281	0.276	0.574	0.382	0.472
38-967-25	0.315	0.279	0.610	0.398	0.503
38-480-45	0.315	0.280	0.609	0.515	0.505
38-805-55	0.315	0.280	0.600	0.502	0.491
38-964-55	0.315	0.280	0.609	0.515	0.505
38-967-55	0.315	0.280	0.610	0.398	0.503
38-966-55	0.313	0.282	0.595	0.475	0.482
38-345-55	0.313	0.2840	1.374	1.043	0.531
38-371-45	0.344	0.295	0.671	0.496	0.543
38-107-55	0.344	0.300	0.635	0.530	0.482
38-823-45	0.343	0.300	0.625	0.400	0.470
38-108-45	0.344	0.303	0.620	0.524	0.494
38-532-55	0.344	0.303	0.674	0.527	0.523
38-9500-55	0.344	0.304	0.546	0.498	0.497
38-9530-55	0.344	0.304	0.575	0.498	0.527
38-7004-55	0.352	0.3055	0.6765	0.5325	0.5405
38-806-55	0.344	0.307	0.661	0.518	0.550
38-805-45	0.344	0.308	0.7050	0.5827	0.544
38-6492-55	0.354	0.3157	0.6063	0.4173	0.4512
38-803-45	0.373	0.325	0.798	0.690	0.629
38-403-45	0.375	0.335	0.741	0.530	0.617
38-373-55	0.375	0.338	0.624	0.532	0.490
38-375-55	0.375	0.338	0.677	0.520	0.516
38-552-45	0.373	0.339	0.725	0.409	0.590
38-377-45	0.375	0.343	0.661	0.516	0.553
38-811-55	0.354	0.353	0.750	0.519	0.600

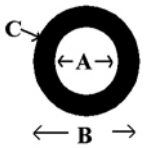
Material Denoted by Suffix:

-15 Nitrile
-25 Polyacrylic
-35 Glass Filled Nylon
-45 Viton
-55 Metal Clad
-65 Silicone
-70 Teflon And Rubber
-75 All Teflon
-80 Teflon And Metal

VALVE STEM SEAL LISTING BY TYPE AND STEM DIA.

OR

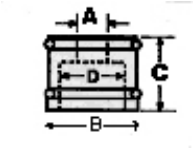
O-Ring



QC #	Nom. Stem Dia.	A	B	C	D
38-931-25	0.275	0.275	0.480	0.100	
38-240-15	0.343	0.341	0.500	0.075	
38-240-25	0.343	0.341	0.500	0.075	

RB

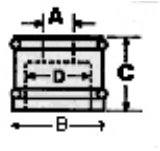
Ring and Band



QC #	Nom. Stem Dia.	A	B	C	D
38-570-45	0.236	0.217	0.415	0.335	0.315
38-322-45	0.274	0.248	0.610	0.474	0.446
38-300-45	0.276	0.255	0.679	0.491	0.485
38-535-25	0.313	0.285	0.650	0.549	0.465
38-535-45	0.313	0.286	0.668	0.490	0.465
38-936-45	0.313	0.290	0.660	0.474	0.495
38-830-45	0.315	0.292	0.633	0.475	0.460
38-819-45	0.313	0.295	0.621	0.434	0.455
38-821-45	0.313	0.295	0.621	0.434	0.455
38-810-45	0.343	0.302	0.628	0.557	0.433
38-938-45	0.342	0.307	0.692	0.484	0.502
38-400-55	0.343	0.310	0.783	0.489	0.590
38-829-45	0.313	0.310	0.692	0.475	0.500
38-935-45	0.313	0.310	0.663	0.461	0.562
38-925-25	0.343	0.320	0.662	0.485	0.460
38-937-15	0.343	0.320	0.671	0.485	0.562
38-929-15	0.343	0.341	0.663	0.485	0.530
38-956-45	0.343	0.341	0.668	0.470	0.535
38-938-25	0.343	0.343	0.660	0.485	0.500

RS

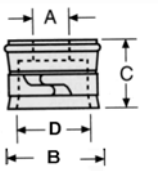
Ring and Spring



QC #	Nom. Stem Dia.	A	B	C	D
38-962-45	0.315	0.276	0.631	0.570	0.456
38-844-45	0.372	0.330	0.735	0.485	0.561

TE

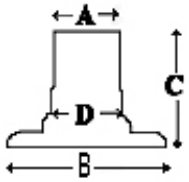
All Teflon



QC #	Nom. Stem Dia.	A	B	C	D
38-1046-75	0.313	0.292	0.640	0.510	0.512
38-1090-75	0.343	0.319	0.640	0.510	0.470
38-1066-75	0.343	0.328	0.630	0.510	0.509
38-1067-75	0.343	0.340	0.630	0.510	0.502
38-1091-75	0.375	0.354	0.600	0.510	0.474

TH

Top Hat



QC #	Nom. Stem Dia.	A	B	C	D
38-6131-55	0.196	0.158	0.906	0.606	0.295
38-6120-55	0.196	0.162	0.697	0.642	0.390
38-6520-55	0.197	0.1654	0.5590	0.7008	0.3858
38-6997-55	0.196	0.1685	0.6319	0.6732	0.3524
38-6125-55	0.216	0.171		0.6673	0.4149
38-6117-55	0.217	0.172	0.716	0.653	0.420
38-7001-55	0.216	0.1724	0.6654	0.7800	0.4213
38-6130-55	0.196	0.177	0.610	0.705	0.3465
38-6101-55	0.216	0.179	0.665	0.787	0.419
38-9526-55	0.1968	0.1795	0.6378	0.6434	0.3803
38-6105-55	0.216	0.181	0.986	0.715	0.416
38-6493-55	0.2165	0.1811	0.5952	0.6614	0.3957
38-6509-55	0.236	0.189	0.689	0.819	0.4213
38-6036-55	0.236	0.190	0.700	0.788	0.434

Material Denoted by Suffix:

-15 Nitrile
-25 Polyacrylic
-35 Glass Filled Nylon

-45 Viton
-55 Metal Clad
-65 Silicone

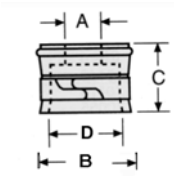
-70 Teflon And Rubber
-75 All Teflon
-80 Teflon And Metal

VALVE STEM SEAL LISTING BY TYPE AND STEM DIA.

38-6153-55	0.236	0.190	1.093	0.776	0.4165
38-6995-45	0.236	0.191	0.696	0.838	0.392
38-6119-55	0.236	0.192	0.901	0.632	0.421
38-6128-55	0.235	0.193	0.663	0.660	0.411
38-354-45	0.236	0.195	0.397	0.738	0.392
38-6118-55	0.236	0.195	0.904	0.634	0.425
38-6518-55	0.217	0.1969	0.6575	0.7323	0.4272
38-586-45	0.236	0.198	1.040	0.517	0.437
38-407-45	0.197	0.200	1.100	0.575	0.425
38-6512-55	0.236	0.2047	0.5236	0.5748	0.3976
38-905-45	0.236	0.205	1.060	0.725	0.410
38-20-45	0.236	0.206	0.670	0.725	0.430
38-565-45	0.236	0.206	1.000	0.737	0.488
38-6100-55	0.236	0.207	1.043	0.615	0.419
38-571-45	0.236	0.210	0.2678	0.802	0.460
38-3500-45	0.236	0.210	0.382	0.625	0.390
38-6514-55	0.2362	0.2165	0.5551		0.4291
38-7000-55	0.275	0.2213	0.6450	0.5551	0.4693
38-6510-55	0.276	0.2283	0.831	0.809	0.4429
38-6129-55	0.276	0.230	0.614	0.653	0.461
38-46-45	0.275	0.240	1.106	0.646	0.476
38-588-45	0.236	0.240	1.250	0.790	0.500
38-111-45	0.275	0.243	1.108	0.804	0.488
38-124-45	0.275	0.244		0.835	0.485
38-224-45	0.275	0.244	1.370	0.835	0.485
38-292-45	0.275	0.245	1.218	0.656	0.460
38-585-45	0.250	0.247	1.220	0.580	0.441
38-9191-45	0.276	0.249	0.633	0.642	0.489
38-160-55	0.275	0.250	1.000	1.023	0.562
38-752-45	0.250	0.250	1.227	0.733	0.460
38-843-45	0.250	0.250	0.597	0.800	0.435
38-6519-55	0.313	0.2717	0.7421		0.4882
38-6127-55	0.313	0.273	0.748	0.978	0.488
38-800-45	0.275	0.275	1.090	0.668	0.454
38-6522-55	0.315	0.2756	0.7854	0.9803	0.4949
38-902-45	0.313	0.276	1.249	0.889	0.552
38-031-45	0.313	0.280	0.890	0.903	0.515
38-809-45	0.313	0.280	0.890	0.903	0.552
38-840-45	0.315	0.280	0.894	0.716	0.445
38-901-45	0.313	0.282	1.185	0.884	0.490
38-900-45	0.314	0.286	1.187	0.887	0.492
38-6114-55	0.313	0.290	0.895	0.950	0.510
38-173-45	0.313	0.295	1.390	1.090	0.555
38-6115-55	0.354	0.321	0.595	0.730	0.545

TR

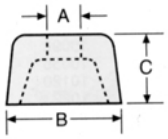
Teflon and Rubber



QC #	Nom. Stem Dia.	A	B	C	D
38-1062-70	0.313	0.296	0.660	0.505	0.461
38-1065-70	0.343	0.314	0.670	0.500	0.531
38-1045-70	0.343	0.320	0.640	0.485	0.460
38-1054-70	0.343	0.341	0.730	0.500	0.562
38-1068-70	0.375	0.362	0.710	0.500	0.531
38-1055-70	0.4375	0.435	0.830	0.500	0.687

UM

Umbrella



QC #	Nom. Stem Dia.	A	B	C	D
38-226-45	0.276	0.257	0.653	0.456	0.430
38-766-25	0.310	0.265	0.840	0.695	0.662
38-915-15	0.343	0.280	0.855	0.715	0.775
38-915-25	0.343	0.280	0.855	0.715	0.775
38-6116-45	0.313	0.285	0.648	0.549	0.430
38-916-15	0.343	0.304	0.760	0.765	0.580
38-737-15	0.343	0.305	0.905	0.820	0.805
38-450-15	0.343	0.306	0.764	0.569	0.672
38-450-25	0.343	0.306	0.764	0.569	0.672
38-252-45	0.372	0.310	0.880	0.860	0.810
38-254-45	0.372	0.310	0.885	0.300	
38-450-45	0.343	0.310	0.725	0.560	0.645
38-780-25	0.375	0.310	0.885	0.300	
38-910-25	0.375	0.310	0.892	0.860	0.810
38-910-15	0.375	0.310	0.892	0.860	0.810
38-916-25	0.343	0.310	0.760	0.765	0.580
38-530-15	0.375	0.313	0.888	0.675	0.750
38-530-25	0.375	0.313	0.888	0.675	0.750
38-530-45	0.375	0.313	0.888	0.675	0.750
38-4788-35	0.343	0.323	0.715	0.449	0.620
38-905-25	0.375	0.332	0.885	0.795	0.757
38-905-15	0.375	0.332	0.885	0.795	0.757
38-922-35	0.343	0.335	0.837	0.365	0.690
38-923-35	0.343	0.335	0.820	0.433	0.686
38-259-35	0.343	0.338	0.893	0.575	0.755
38-928-25	0.375	0.345	0.784	0.562	0.546
38-253-45	0.372	0.350	0.5500	0.561	0.565
38-119-35	0.375	0.354	0.880	0.810	0.760
38-260-35	0.375	0.365	0.885	0.620	

Material Denoted by Suffix:

-15 Nitrile
-25 Polyacrylic
-35 Glass Filled Nylon
-45 Viton
-55 Metal Clad
-65 Silicone
-70 Teflon And Rubber
-75 All Teflon
-80 Teflon And Metal

ROCKER COMPONENT NUMERICAL LISTING

QC #	Application	Description
40-1339	GM	Cam Follower
40-1806	FOR	Rocker Arm
40-1807	FOR	Rocker Arm, 4.0L Cast
40-1850	GM	Rocker Arm
40-2703	CHC	Rocker Arm Cam Follower
40-2710	FOR	Rocker Arm. Stamped
40-2736	GM	Rocker Arm, Self-Aligning Stamped 3/8"
40-2737	GM	Rocker Arm, Self-Aligning Stamped 3/8" Stud
40-2738	GM	Rocker Arm, Self-Aligning Stamped 3/8" Stud
40-2740	CHC	Rocker Arm, Jeep 2.5,4.0,4.2L
40-2754	GDI, GM	Rocker Arm, GM 7.0, 7.4L
40-2756	CHC	Rocker Arm
40-2758	CHC	Rocker Arm
40-2809	CHC	Rocker Arm. Stamped
40-2810	FOR	Rocker Arm. Forged
40-2819	FOR	Rocker Arm.
40-2827	GM	Rocker Arm
40-2840	GM	Rocker Arm, Stamped 3/8" Stud
40-2841	GM	Rocker Arm, Stamped 3/8" Stud
40-2842	GM	Rocker Arm, Stamped 3/8" Stud
40-2844	CHI, GM, GMM	Rocker Arm
40-2850	CHC, CHI, CHM	Rocker Arm, Stamped LH
40-2851	CHC, CHI	Rocker Arm, Stamped RH
40-2851	CHC	Rocker Arm
40-2859	FDI, FOR	Rocker Arm. Cast
40-2867	GDI, GM	Rocker Arm, Stamped
40-2868	GDI, GM	Rocker Arm, Stamped For >0.560 Lift
40-2886	FOR	Rocker Arm, Cast w/ Rails 289, 302, 351
40-2888	FDI, FOR, FOM	Rocker Arm, Stamped
40-2889	FOR	Rocker Arm, Stamped 302 '78-98, 351
40-2890	GM	Rocker Arm
40-2891	GM	Rocker Arm, GM Olds 350
40-2892	CHC, CHI, CHM	Rocker Arm, CHC 239, 340, 360 LH
40-2893	CHC, CHI, CHM	Rocker Arm, CHC 239, 340, 360 RH
40-2901	GM	Rocker Arm, w/ Pivot, Bolt LS, 3.5, 3.9L OE
40-2902	GM	Rocker Arm, LS Straight HP Caged Bearings
40-2903	GM	Rocker Arm, LS3 Offset HP Caged Bearings
40-2906	CHC	Rocker Arm, Roller
40-2913	GM	Rocker Arm
40-2916	FOR	Rocker Arm
40-2917	CM	Rocker Arm Cam Follower
40-2920	GM	Rocker Arm, Cam Follower
40-2923	FOR	Roller Cam Follower
40-2929	FOR	Rocker Arm
40-2930	FOR	Cam Follower
40-2933	FOR	Rocker Arm Assy.
40-3901	GM	Rocker Arm
40-9097	NIS	Rocker Arm w/ Lifter
40-9098	NIS	Rocker Arm w/ Lifter
40-9099	NIS	Rocker Arm w/ Lifter.
40-9100	NIS	Rocker Arm w/ Lifter
40-9106	TOY	Rocker Arm. Cast Aluminum
40-9111	GDI, GM, GMM	Rocker Arm
40-9123	CHC	CHC 3.2L, 3.6L
41-1334	CHC, CUM	
42-1552I	CHC	Intake Rocker Arm Shaft Assy.
42-1553E	CHC	Exhaust Rocker Arm Shaft Assy.
42-1718	CHC,GM	Rocker Comp., Steel Bridge
42-1724	GM	Rocker Comp., Shaft Plug Set
42-1731	GM	Smooth Ball. Use w/ Press-In Studs
42-1740	FOR	Rocker Comp., Bolt
42-1741	FOR	Rocker Comp., 5/16 Bolt w/ Washer
42-1772	FOR	Rocker Comp., Grooved Ball
42-1776	FOR	Rocker Comp., Fulcrum
42-1783	GM	Rocker Comp., Smooth Ball
42-1786	GM	Rocker Comp., Nut 3/8x24 Adj.
42-1791	FOR	Rocker Comp., Nut 5/16
42-1792	GM	Rocker Comp., Grooved Ball
42-1793	FOR, GM	Rocker Comp., Nut 7/16
42-2300	LS1	Rocker Stud Conv. 3/8-24-8mmx1.25x2.300
42-2301	GM LS	Poly Lock, Each, LS1 3/8 w/ Set Screw
42-2641	FDI, FOR	Rocker Shaft. 18 x 0.84
42-2652	FOR	Shaft
42-2661	CHC	Rocker Shaft
42-2665	GM	Rocker Shaft
42-2701	CHC, CHI, CHM	Rocker Shaft
42-2920	GDI, GM	Rocker Stud, 3/8-24 x 2.500 Press-In
42-2921	GDI, GM, GMM	Rocker Stud. +3 O/S 3/8-24 x 2.300 Press-In Adj.
42-2940	FDI, FOR	Stud, 7/16-20 x 7/16-14 Hex x 2.6700
42-2941	GDI, GM	Stud, 7/16-14x7/16-20x2.560
42-2948	GM	Rocker Stud. Adjustable
42-2971	GDI, GM	Rocker Bolt 3/8-16

ROCKER ARM KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
41-1736	40-2736	1	GM SBC
	42-1731	1	GM SBC
	42-1786	1	GM SBC
41-1737	40-2737	1	GM SBC
	42-1731	1	GM SBC
	42-1786	1	GM SBC
41-2401	40-2842	1	GM SBC
	42-1786	1	GM SBC
	42-1792	1	GM SBC
41-2402	40-2844	1	GM
	42-1783	1	GM
	42-1786	1	GM
41-2407	40-2864	1	GM, ISU
	42-1720	1	GM, ISU
	42-1721	1	GM, ISU
41-2504	40-2867	1	GM BBC
	42-1793	1	GM BBC
	42-1797	1	GM BBC
41-2508	40-2840	1	GM SBC
	42-1786	1	GM SBC
	42-1792	1	GM SBC
41-2548	40-2889	1	FOR
	42-1741	1	FOR
	42-1776	1	FOR
41-2610	40-2886	1	FOR
	42-1772	1	FOR
	42-1786	1	FOR
	42-1791	1	FOR
41-2673	40-2754	1	GDI, GM
	42-1861	1	GDI, GM
	42-2971	1	GDI, GM
41-2738	40-2738	1	GM SBC
	42-1786	1	GM SBC
	42-1792	1	GM SBC

RETAINER NUMERICAL LISTING

Part No	Stem Dia	O.D.	Step 1 Dia.	Step 2 Dia.	Deg.	Matl.	Note
55-2299	0.313	1.343	0.923	0.709	7	Chrome Moly	CUM 5.9L 12V
55-2757	0.374	1.417	0.950	0.612	7	Chrome Moly	CUM 6C
55-3198	0.275	1.065	0.706	0.570	7	Chrome Moly	CUM ISB 5.9L
55-4000	0.342	1.319	0.957	0.630	7	Chrome Moly	FOR BB
55-4002	0.313	1.147	0.822	0.644	7	Chrome Moly	
55-4250	0.372	1.321	0.913		7	Chrome Moly	GM BBC
55-5087	0.274	0.917			7	Chrome Moly	GM 6.6 Duramax
55-5715	0.275	0.865	0.572		7	Chrome Moly	FOR Stock 6.7L
55-6066	0.275	1.175	0.819	0.597	7	Chrome Moly	GM 6.6 Duramax
55-6100	0.344	1.240	0.860	0.645	7	Chrome Moly	GM SBC
55-6102	0.344	1.370	1.064	0.720	7	Chrome Moly	Ford 260-302
55-6103	0.315	1.030	0.640		7	Chrome Moly	GM LS
55-6104	0.344	1.030	0.640		7	Chrome Moly	Use w/ Conical Spring
55-6105	0.344	1.200	0.866	0.610	7	Chrome Moly	GM SBC
55-6115	0.344	1.200	0.736	0.571	7	Chrome Moly	GM SBC
55-6123	0.315	1.230	0.860	0.600	7	Chrome Moly	GM LS
55-6130	0.315	1.300	1.070	0.700	7	Chrome Moly	GM LS
55-6177	0.344	1.320	0.918	0.660	7	Chrome Moly	Ford 2.3L
55-6179	0.344	1.339	1.000	0.610	7	Chrome Moly	Ford L6 300
55-6194	0.276	0.890	0.620	0.550	7	Chrome Moly	Ford 4.6L Late
55-6197	0.276	0.982	0.584	0.519	7	Chrome Moly	GM 2.2L 87-98 CHC 3.7L, 4.7L
55-6198	0.315	1.038	0.618		7	Chrome Moly	GM 3.1L 94-98
55-6199	8mm	1.240	0.965	0.591	7	Chrome Moly	
55-6201	0.375	1.400	1.060	0.885	7	Chrome Moly	GM 396-454
55-6226	0.313	0.960	0.635		7	Chrome Moly	
55-6231	0.344	1.250	0.845	0.690	7	Chrome Moly	Buick 231
55-6252	6mm	0.920			7	Chrome Moly	
55-6260	0.236	0.750	0.545		7	Chrome Moly	
55-6294	0.276	1.040	0.742	0.595	7	Chrome Moly	Ford 4.6L Early
55-6302	0.344	1.400	1.060	0.700	7	Chrome Moly	
55-6303	0.344	1.490	1.124	0.695	7	Chrome Moly	
55-6304	0.375	1.400	1.060	0.695	7	Chrome Moly	GM
55-6305	0.375	1.490	1.120	0.695	7	Chrome Moly	GM BBC
55-6307	0.344	1.400	1.060	0.695	10	Chrome Moly	
55-6308	0.344	1.490	1.120	0.695	10	Chrome Moly	
55-6312	0.313	1.400	1.075	0.725	7	Chrome Moly	
55-6318	0.375	1.340	0.995	0.637	7	Chrome Moly	Chry. 318
55-6328	0.274	0.912	0.628	0.500	7	Chrome Moly	FOR 6.0, 6.4L
55-6360	0.313	1.144	0.820	0.660	7	Chrome Moly	Chry. 360
55-6455	0.375	1.310	0.820		7	Chrome Moly	Buick 455
55-6715	0.275	0.779	0.542		7	Chrome Moly	Ford HP 6.7L
55-6735	0.236	0.735			7	Chrome Moly	
55-6906	0.344	1.130	0.865	0.615	7	Chrome Moly	GM Vortec 86-Up
55-6922	0.315	1.295	0.904	0.600	7	Chrome Moly	Toyota 22R
55-7362	0.313	0.660			7	Chrome Moly	FOR 6.2, 6.8, 7.3
55-7700	0.275	1.152			7	Chrome Moly	0.317" Thick
55-7701	0.215	0.821			7	Chrome Moly	
55-7711	0.313				7	Chrome Moly	
55-7712	0.235	0.980			7	Chrome Moly	
55-7714	0.214	0.739			7	Chrome Moly	
55-7715	0.234	0.794			7	Chrome Moly	
55-7719	0.235	0.470			7	Chrome Moly	0.297 Thick
55-9005	0.217	1.102	21.7mm	15.4mm	7	Titanium	Acura/Honda B16A-3, B17A, B18C1-5 VTEC

PUSH ROD NUMERICAL LISTING

QC #	Length	Material	Tip 1	Tip2	Tip1Dia.	Tip2Dia.	O.D.	Application
74-5157	7.389	Pressed Steel	Rounded	Cup	0.313	0.468	5/16X 0.060	CHC
74-5311	9.620	Welded Steel	Ball End	Ball End	0.375	0.375	5/16X 0.060	FDI, FOR, GM
74-5312	9.590	Welded Steel	Ball End	Ball End	0.375	0.375	5/16X 0.060	FDI, FOR
74-5471	5.475	Pressed Steel	Ball End	Ball End	0.346	0.346	5/16X 0.060	FOR, MAZ
74-6034	7.793	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM SB, AMC
74-6080	9.609	Pressed Steel	Ball End	Cup	0.360	0.500	5/16X 0.060	FOR
74-6105	9.000	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6230	8.279	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	GM BB Int
74-6231	9.252	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	GM BB Exh
74-6274	8.550	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FDI, FOR
74-6279	6.804	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR
74-6281	6.876	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR 302
74-6306	10.136	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR 240, 300
74-6310	9.499	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR 351M, 400
74-6317	9.682	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6318	11.382	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM 4.8
74-6321	8.575	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6323	9.315	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6324	7.500	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6335	9.652	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC, GM
74-6337	5.429	Pressed Steel	Ball End	Cup	0.346	0.346	5/16X 0.060	FOR
74-6342	6.162	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6347	8.976	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC, GM
74-6353	9.700	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6363	7.259	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6366	6.250	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR
74-6369	8.879	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR, TOY
74-6373	7.195	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM SB
74-6373C	7.200	Chrome	Ball End	Ball End	0.313	0.313	5/16X 0.060	SBC - RLR
74-6375	6.042	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6376	6.389	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6377	5.957	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR
74-6380	9.200	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	GM BB Exh
74-6381	6.776	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6434	7.136	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR
74-6435	5.125	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6437	9.638	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6441	8.281	Swaged Steel	Ball End	Ball End	0.313	0.313	3/8X 0.060	GM BB Int
74-6442	9.254	Swaged Steel	Ball End	Ball End	0.313	0.313	3/8X 0.060	GM BB Exh
74-6443	8.680	Swaged Steel	Ball End	Ball End	0.313	0.313	3/8X 0.060	GM
74-6445	7.700	Swaged Steel	Ball End	Ball End	0.313	0.313	3/8X 0.060	GM
74-6446	7.519	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR
74-6458	6.400	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	FOR
74-6462	6.900	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6474	6.074	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6475	5.746	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6554	11.435	Welded Stel	Ball End	Cup	0.313	0.313	3/8X 0.075	CHC,CUM
74-6556	8.411	Welded Steel	Ball End	Ball End	0.312	0.312	3/8X 0.075	FOR
74-6557	11.150	Welded Steel	Ball End	Ball End	0.313	0.313	3/8X 0.075	CHC,CUM
74-6602	8.595	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	GM
74-6603	7.642	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	GM
74-6604	5.297	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	FOR
74-6608	10.013	Welded Steel	Ball End	Ball End	0.375	0.375	0.344X 0.06	FDI, FOR, IHN
74-6609	8.822	Welded Steel	Ball End	Ball End	0.375	0.375	3/8X 0.075	GDI, GM
74-6611	10.258	Welded Steel	Ball End	Ball End	0.375	0.375	.344X 0.060	FOR, IHN

PUSH ROD NUMERICAL LISTING

QC #	Length	Material	Tip 1	Tip2	Tip1Dia.	Tip2Dia.	O.D.	Application
74-6614	7.393	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.075	GM LS
74-6615	7.192	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	GM
74-6638	8.190	Welded Steel	Ball End	Ball End	0.375	0.375	3/8X 0.060	GM, GDI
74-6639	9.000	Welded Steel	Ball End	Ball End	0.375	0.375	3/8X 0.060	GM, GDI
74-6652	6.609	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6653	7.846	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6662	9.795	Welded Steel	Ball End	Ball End	0.375	0.375	.344X 0.060	FOR, IHN
74-6664	7.867	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6665	6.647	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6667	6.792	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6668	8.085	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.060	CHC
74-6685	9.534	Welded Steel	Cup	Ball End	0.313	0.313	5/16X 0.075	FOR
74-6696	7.850	Welded Steel	Ball End	Ball End	0.313	0.313	0.344X 0.07	GM
74-7614	7.400	Welded Steel	Ball End	Ball End	0.313	0.313	5/16X 0.080	GM LS
74-9000								Measuring Tool 6.125 - 7.50"
74-9001								Measuring Tool 7.50 - 8.70"
74-9002								Measuring Tool 8.50 - 9.80"

INJECTOR COMPONENT NUMERICAL LISTING

QC #	Application	Description
87-0488	MBT	Injector Tube
87-0488K	DDA, MBT	Injector Tube Kit, MBT 904, 906
87-1259	GM	Injector O-Ring, 6.6L
87-1345	DDA, MBT	Injector O Ring
87-3322	NIS	Injector Tube
87-4376	FOR	Injector Tube, 7.3L
87-4620	ISU	Injector Tube
87-6951	FOR	Injector Tube
87-8320	FOR	Injector Tube, 6.0L
87-8463	GM	Injector Tube, 6.6L
87-8463K	GM	Injector Kit, Tube and Oring

EXPANSION PLUG SIZE LISTING BY TYPE AND O.D.

Brass Concave Cup

QC #	Hole Dia.	O.D
96-500CCB	1/2"	0.500
96-750CCB	3/4"	0.750
96-875CCB	7/8"	0.875
96-937CCB	15/16"	0.937
96-1000CCB	1"	1.000
96-1031CCB	1-1/32"	1.031
96-1062CCB	1-1/16"	1.062
96-1125CCB	1-1/8"	1.125
96-1250CCB	1-1/4"	1.250
96-1375CCB	1-3/8"	1.375
96-1483CCB	1-31/64"	1.483
96-1500CCB	1-1/2"	1.500
96-1562CCB	1-9/16"	1.562
96-1625CCB	1-5/8"	1.625
96-1750CCB	1-3/4"	1.750
96-1875CCB	1-7/8"	1.875
96-1937CCB	1-15/16"	1.937
96-2000CCB	2"	2.000
96-2062CCB	2-1/16"	2.062

Brass Cup

QC #	Hole Dia.	O.D
96-572CB	9/16	0.573
96-760CB	3/4"	0.760
96-885CB	7/8"	0.885
96-916CB	29/32"	0.916
96-947CB	15/16"	0.947
96-1010CB	1"	1.010
96-1062CB	1-1/16"	1.062
96-1135CB	1-1/8"	1.135
96-1192CB	1-3/16"	1.192
96-1226CB	1-7/32"	1.226
96-1260CB	1-1/4"	1.260
96-1385CB	1-3/8"	1.385
96-1510CB	1-1/2"	1.510
96-1572CB	1-9/16"	1.572
96-1635CB	1-5/8"	1.635
96-1648CB	1-5/8-0"	1.648
96-1760CB	1-3/4"	1.760
96-1762CB	1-49/64"	1.762
96-1885CB	1-7/8"	1.885
96-1943CB	1-15/16"	1.943
96-1953CB	1-61/64"	1.953
96-2005CB	2"	2.005
96-2017CB	2-1/64"	2.017
96-2070CB	2-1/16"	2.070
96-2150CB	2-1/8"	2.150
96-2260CB	2-1/4"	2.260

Brass Metric Concave Cup

QC #	Hole Dia.	O.D
96-21MMCCB	21mm	21mm
96-24MMCCB	24mm	24mm
96-45MMCCB	45mm	45mm

Brass Metric Cup

QC #	Hole Dia.	O.D
96-18MMCB	18mm	18.14mm
96-20MMCB	20mm	20.24mm
96-22MMCB	22mm	22.17mm
96-25MMCB	25mm	25.27mm
96-26MMCB	26mm	26.2mm
96-28MMCB	28mm	28.32mm
96-30MMCB	30mm	30.25mm
96-31.5MMCB	31.5mm	31.98mm
96-32MMCB	32mm	32.23mm
96-34.3MMCB	34mm	34.24mm
96-35MMCB	35mm	35.38mm
96-36MMCB	36mm	36.22mm
96-36.5MMCB	36.5mm	36.75mm
96-38MMCB	38mm	38.23mm
96-40MMCB	40mm	40.41mm
96-41.5MMCB	41mm	41.43mm
96-42.3MMCB	42mm	42.27mm
96-45MMCB	45mm	45.42mm
96-47MMCB	46.5mm	46.76mm
96-47.2MMCB	47mm	47.22mm
96-50MMCB	50mm	50.42mm
96-51.05MMCB	51mm	51.05mm

Brass Shallow Cup

QC #	Hole Dia.	O.D
96-1010SCB	1"	1.010
96-1135SCB	1-1/8"	1.135
96-1260SCB	1-1/4"	1.260
96-1385SCB	1-3/8"	1.385
96-1510SCB	1-1/2"	1.510
96-1640SCB	1-5/8"	1.640
96-1642SCB	1-41/64"	1.642
96-1703SCB	1-45/64"	1.703
96-1760SCB	1-3/4"	1.760
96-1762SCB	1-49/64"	1.762
96-2005SCB	2"	2.005
96-2070SCB	2-1/16"	2.070
96-2109SCB	2-7/64"	2.112
96-2193SCB	2-3/16"	2.193
96-2260SCB	2-1/4"	2.259
96-2510SCB	2-1/2"	2.510

Concave Cup

QC #	Hole Dia.	O.D
96-375CC	3/8"	0.375
96-437CC	7/16"	0.437
96-500CC	1/2"	0.500
96-562CC	9/16"	0.562
96-625CC	5/8"	0.625
96-687CC	11/16"	0.687
96-750CC	3/4"	0.750
96-812CC	13/16"	0.812
96-875CC	7/8"	0.875
96-937CC	15/16"	0.937
96-1000CC	1"	1.000

Concave Cup

QC #	Hole Dia.	O.D
96-1031CC	1-1/32"	1.031
96-1062CC	1-1/16"	1.062
96-1125CC	1-1/8"	1.125
96-1187CC	1-3/16"	1.187
96-1250CC	1-1/4"	1.250
96-1312CC	1-5/16"	1.312
96-1375CC	1-3/8"	1.375
96-1437CC	1-7/16"	1.437
96-1484CC	1-31/64"	1.484
96-1500CC	1-1/2"	1.500
96-1562CC	1-9/16"	1.562
96-1625CC	1-5/8"	1.625
96-1687CC	1-11/16"	1.683
96-1734CC	1-47/64"	1.734
96-1750CC	1-3/4"	1.750
96-1812CC	1-13/16"	1.807
96-1875CC	1-7/8"	1.875
96-1937CC	1-15/16"	1.937
96-2000CC	2"	2.000
96-2062CC	2-1/16"	2.062
96-2125CC	2-1/8"	2.125
96-2250CC	2-1/4"	2.250
96-2375CC	2-3/8"	2.375
96-2500CC	2-1/2"	2.500
96-2750CC	2.745	2.750
96-3000CC	2.995	3.00

Concave Special Ground

QC #	Hole Dia.	O.D
96-1500CCSG	1.500"	1.500

Cup

QC #	Hole Dia.	O.D
96-322C	5/16"	0.322
96-385C	3/8"	0.385
96-0385CRT	3/8"	0.395
96-447C	7/16"	0.447
96-461C	29/64"	0.480
96-523C	1/2"	0.523
96-572C	9/16"	0.572
96-603C	19/32"	0.603
96-635C	5/8"	0.635
96-641C	41/64	0.640
96-666C	43/64"	0.666
96-760C	3/4"	0.760
96-885C	7/8"	0.885
96-916C	29/32"	0.916
96-947C	15/16"	0.947
96-1010C	1"	1.010
96-1062C	1-1/16"	1.062
96-1135C	1-1/8"	1.135
96-1192C	1-3/16"	1.192
96-1226C	1-7/32"	1.226
96-1260C	1-1/4"	1.260
96-1385C	1-3/8"	1.385

EXPANSION PLUG SIZE LISTING BY TYPE AND O.D.

Cup

QC #	Hole Dia.	O.D
96-1510C	1-1/2"	1.510
96-1572C	1-9/16"	1.572
96-1635C	1-5/8"	1.635
96-1648C	1-5/8-0"	1.648
96-1760C	1-3/4"	1.760
96-1762C	1-49/64"	1.762
96-1885C	1-7/8"	1.885
96-1888CRT	1-7/8	1.885
96-1943C	1-15/16"	1.943
96-1953C	1-61/64"	1.953
96-2005C	2"	2.005
96-2017C	2-1/64"	2.017
96-2070C	2-1/16"	2.070
96-2098C	2 3/32	2.098
96-2150C	2-1/8"	2.150
96-2194CRT	2-3/16	2.194
96-2260C	2-1/4"	2.260
96-2390CRT	2-25/64	2.390
96-2497CRT	2-1/2	2.497
96-2635C	2-5/8"	2.635
96-2697C	2-11/16"	2.697

Metric Concave Cup

QC #	Hole Dia.	O.D
96-18MMCC	18mm	18mm
96-21MMCC	21mm	21mm
96-24MMCC	24mm	24mm
96-40MMCC	40mm	40mm
96-42MMCC	42mm	42mm
96-45MMCC	45mm	45mm
96-52MMCC	52mm	52mm

Metric Cup

QC #	Hole Dia.	O.D
96-56.7MMFP	56.7mm	
96-10MMC	10mm	10.06mm
96-12.7MMC	12.67mm	12.67mm
96-12.9MMC	12.9mm	12.95mm
96-14.4MMC	14.4mm	14.42mm
96-14.7MMC	14.7mm	14.7mm
96-15.8MMC	15.8mm	15.88mm
96-16MMC	16mm	16.51mm
96-18MMC	18mm	18.14mm
96-18.7MMC	18.7mm	18.7mm
96-20MMC	20mm	20.24mm
96-21.4MMC	21.4mm	21.44mm
96-22MMC	22mm	22.17mm
96-25MMC	25mm	25.27mm
96-26MMC	26mm	26.16mm
96-28MMC	28mm	28.32mm
96-30MMC	30mm	30.25mm
96-31.5MMC	31.5mm	31.98mm
96-32MMC	32mm	32.23mm
96-34.3MMC	34mm	34.24mm
96-35MMC	35mm	35.38mm

Metric Cup

QC #	Hole Dia.	O.D
96-36.5MMC	36.5mm	36.75mm
96-38MMC	38mm	38.23mm
96-40MMC	40mm	40.41mm
96-41.5MMC	41mm	41.43mm
96-42.3MMC	42mm	42.27mm
96-44MMC	44mm	44.86mm
96-45MMC	45mm	45.42mm
96-47MMC	46.5mm	46.76mm
96-47.2MMC	47mm	47.2mm
96-49.5MMC	49.5mm	49.63mm
96-50MMC	50mm	50.42mm
96-56MMC	56mm	56.42mm

Metric Shallow Cup

QC #	Hole Dia.	O.D
96-11.5MMSC	11.5mm	11.5mm
96-35MMSC	35mm	35mm

Pipe Plug

QC #	Hole Dia.	O.D
96-375-1HCPP	3/8"	Hex C.S.
96-62HCPP	1/16"	Hex C.S.
96-750HCPP	3/4"	Hex C.S.
96-125HCPP	1/8"	Hex C.S.
96-250HCPP	1/4"	Hex C.S.
96-375HCPP	3/8"	Hex C.S.
96-500HCPP	1/2"	Hex C.S.
96-62HCPT	1/16"	Hex C.S. (Teflon)
96-125HCPT	1/8"	Hex C.S. (Teflon)
96-250HCPT	1/4"	Hex C.S. (Teflon)
96-375HCPT	3/8"	Hex C.S. (Teflon)
96-500HCPT	1/2 "	Hex C.S. (Teflon)
96-750HCPT	3/4"	Hex C.S. (Teflon)
96-1000HCPT	1"	Hex C.S. (Teflon)
96-375HPPS	3/8"	Hex C.S. Special
96-125-1HCPP	1/8"	Hex C.S.-Short
96-250-1HCPP	1/4"	Hex C.S.-Short
96-125-1HCPT	1/8"	Hex Teflon Short
96-250-1HCPT	1/4"	Hex Teflon Short
96-375-1HCPT	3/8"	Hex Teflon Short
96-125SLPP	1/8"	Slotted Head
96-125SHPP	1/8"	Square Head
96-750SHPP	3/4"	Square Head

Shallow Cup

QC #	Hole Dia.	O.D
96-461SC	29/64"	0.449
96-510SC	1/2"	0.510
96-541SC	17/32"	0.541
96-697SC	11/16"	0.697
96-731SC	47/64	0.731
96-823SC	13/16"	0.823
96-1010SC	1"	1.010
96-1135SC	1-1/8"	1.135

Shallow Cup

QC #	Hole Dia.	O.D
96-1260SC	1-1/4"	1.260
96-1320SC	1-21/64"	1.338
96-1385SC	1-3/8"	1.385
96-1510SC	1-1/2"	1.510
96-1640SC	1-5/8"	1.640
96-1642SC	1-41/64"	1.642
96-1703SC	1-45/64"	1.703
96-1745SC	1-47/64"	1.745
96-1760SC	1-3/4"	1.760
96-1762SC	1 49/64	1.762
96-1802SC	1-51/64"	1.802
96-1808SC	1-13/16"	1.825
96-1885SC	1 7/8"	1.885
96-1902SC	1-29/32"	1.902
96-1931SC	1-59/64"	1.931
96-1953SC	1-61/64"	1.953
96-1978SC	1-31/32"	1.978
96-2005SC	2"	2.005
96-2017SC	2-1/64"	2.017
96-2070SC	2-1/16"	2.070
96-2098SC	2-3/32"	2.098
96-2109SC	2-7/64"	2.109
96-2135SC	2-1/8"	2.135
96-2140SC	2-9/64"	2.140
96-2156SC	2-5/32"	2.156
96-2193SC	2-3/16"	2.193
96-2228SC	2-7/32"	2.228
96-2260SC	2-1/4"	2.260
96-2353SC	2-11/32"	2.353
96-2386SC	2-3/8"	2.386
96-2386SCRT	2-3/8"RT	2.386
96-2510SC	2-1/2"	2.510
96-2760SC	2-3/4"	2.760

Stainless Steel Cup

QC #	Hole Dia.	O.D
96-760CSS	3/4"	0.760
96-885CSS	7/8"	0.885
96-947CSS	15/16"	0.947

Stainless Steel Metric Cup

QC #	Hole Dia.	O.D
96-16MMCSS	16mm	
96-40MMCSS	40MM	
96-14.4MMCSS	14.4mm	14.42mm
96-18MMCSS	18mm	18.2mm
96-19MMCSS	19mm	19.2mm
96-20MMCSS	20mm	20.24mm
96-22MMCSS	22mm	22.2mm
96-25MMCSS	25mm	25.3mm
96-28MMCSS	28mm	28.35mm
96-30MMCSS	30mm	30.25mm
96-32MMCSS	32mm	32.23mm
96-38.6MMCSS	38mm	38.58mm

EXPANSION PLUG SIZE LISTING BY TYPE AND O.D.

Stainless Steel Shallow Cup

QC #	Hole Dia.	O.D
96-823SCSS	13/16"	0.823
96-1010SCSS	1"	1.010
96-1135SCSS	1-1/8"	1.138
96-1260SCSS	1-1/4"	1.260
96-1320SCSS	1-21/64"	1.320
96-1385SCSS	1-3/8"	1.385
96-1510SCSS	1-1/2"	1.510
96-1640SCSS	1-5/8"	1.640
96-1703SCSS	1-45/64"	1.703
96-1745SCSS	1-47/64"	1.745
96-1760SCSS	1-3/4"	1.760
96-1885SCSS	1-7/8"	1.885
96-2005SCSS	2"	2.005
96-2135SCSS	2-1/8"	2.137
96-2260SCSS	2-1/4"	2.262
96-2285SCSS	2-9/32	2.286
96-2386SCSS	2-3/8"	2.386
96-2510SCSS	2-1/2"	2.510

EXPANSION PLUG KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
97-1B	96-2005CB	4	CHC
	96-2140SC	1	CHC
	96-375HCPP	2	CHC
97-2B	96-1510SCB	6	CHC
	96-2140SC	1	CHC
	96-375HCPP	4	CHC
97-3B	96-1510SCB	6	GM
	96-1931SC	1	GM
	96-250HCPP	2	GM
	96-603C	2	GM
97-4B	96-1510SCB	2	GM
	96-1931SC	1	GM
	96-2005CB	4	GM
	96-250HCPP	2	GM
	96-603C	2	GM
97-5B	96-1760SCB	6	GM
	96-2005SC	1	GM
	96-375HCPP	3	GM
	96-603C	2	GM
97-6B	96-1635CB	2	GM
	96-2000CCB	2	GM
	96-2109SC	1	GM
	96-375HCPP	4	GM
	96-603C	4	GM
97-7B	96-1635CB	3	GM
	96-2005SCB	1	GM
	96-2109SC	1	GM
	96-375HCPP	1	GM
	96-603C	1	GM
97-9B	96-1635CB	10	GM
	96-2109SC	1	GM
	96-250HCPP	5	GM
	96-523C	3	GM
97-10B	96-1760CB	8	GDI, GMM, GM
	96-2228SC	1	GDI, GMM, GM
	96-250HCPP	7	GDI, GMM, GM
97-11B	96-1260SCB	5	CHC
	96-1635CB	9	CHC
	96-1875CC	1	CHC
	96-1888CRT	1	CHC
	96-375HCPP	2	CHC
	96-500HCPP	1	CHC
	96-603C	2	CHC
97-12B	96-1635CB	6	CHC
	96-2140SC	1	CHC
	96-375HCPP	4	CHC
97-13B	96-1635CB	5	CHC
	96-2140SC	1	CHC
	96-375HCPP	2	CHC
97-14B	96-1760SCB	5	FOR
	96-2070SC	1	FOR
	96-2070SCB	1	FOR
	96-250HCPP	2	FOR
	96-447C	1	FOR
97-15B	96-2070SC	1	FOR
	96-2070SCB	5	FOR
	96-375HCPP	2	FOR
97-16B	96-1640SCB	5	FOR
	96-2070SCB	2	FOR
	96-2193SC	1	FOR
	96-250HCPP	2	FOR
	96-375HCPP	3	FOR
97-17B	96-1510SCB	6	FOR
	96-2156SC	1	FOR
	96-250HCPP	4	FOR
	96-523C	3	FOR
	96-760C	1	FOR
97-18B	96-1510SCB	6	FOR
	96-2260SC	1	FOR
	96-375HCPP	2	FOR
	96-375HPPS	2	FOR
97-19B	96-1760SCB	6	FOR
	96-2386SCRT	1	FOR
	96-250HCPP	4	FOR
	96-447C	6	FOR
97-20B	96-1760SCB	4	FOR
	96-2070SC	1	FOR
	96-375HCPP	2	FOR
97-21B	96-1510SCB	6	FOR
	96-250HCPP	2	FOR
	96-2510SC	1	FOR
	96-375HCPP	1	FOR
	96-375HPPS	2	FOR
97-22B	96-1760CB	4	GM
	96-1978SC	1	GM
	96-375HCPP	4	GM
	96-500HCPP	2	GM
	96-947C	3	GM
97-23B	96-125SHPP	4	IHC
	96-1572CB	6	IHC
	96-1635CB	6	IHC
	96-1760SCB	4	IHC
	96-2005SC	1	IHC
	96-250HCPP	2	IHC
	96-375HCPP	2	IHC
	96-750CC	1	IHC
97-24B	96-125SHPP	4	IHC
	96-2000CCB	5	IHC
	96-375HCPP	2	IHC
97-25B	96-1510SCB	6	GM
	96-2098SC	1	GM
	96-375HCPP	2	GM
	96-603C	1	GM
	96-916C	1	GM
97-26B	96-1953CB	8	GM
	96-2070C	1	GM
	96-375HCPP	2	GM
	96-572C	2	GM
	96-947CB	1	GM
97-27B	96-1760CB	11	FOR
	96-2510SC	1	FOR
	96-375HCPP	2	FOR
97-28B	96-36.5MMCB	4	CHC
97-29B	96-18MMCC	2	GM
	96-31.5MMCB	7	GM
	96-52MMCC	1	GM
97-30B	96-14.4MMC	1	GM
	96-22MMCB	3	GM
97-31B	96-35MMCB	7	CHC
97-32B	96-40MMCB	2	CHC
	96-50MMCB	5	CHC
97-33B	96-35MMCB	3	NIS
	96-44MMC	1	NIS
	96-50MMCB	1	NIS
97-34B	96-40MMCB	7	NIS
97-35B	96-35MMCB	7	NIS
	96-40MMCB	1	NIS
	96-50MMCB	1	NIS

EXPANSION PLUG KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
97-36B	96-40MMCB	3	FIA
97-37B	96-125SLPP	1	FOR
	96-1642SCB	3	FOR
	96-2005SC	1	FOR
	96-250HCPP	3	FOR
	96-375HPPS	1	FOR
	96-461SC	3	FOR
97-38B	96-1510SCB	2	FOR
	96-1902SC	1	FOR
	96-250HCPP	1	FOR
	96-375HCPP	1	FOR
	96-447C	1	FOR
	96-572C	1	FOR
97-39B	96-1510SCB	3	FOR
	96-2070SC	1	FOR
	96-250HCPP	4	FOR
	96-375HCPP	4	FOR
97-40B	96-125SHPP	1	FOR
	96-1510SCB	7	FOR
	96-2005SC	1	FOR
	96-250HCPP	2	FOR
97-42B	96-30MMCB	6	HON
97-43B	96-25MMCB	4	TOY
	96-35MMCB	3	TOY
	96-45MMC	1	TOY
	96-47MMCB	1	TOY
97-44B	96-18MMC	1	TOY
	96-35MMCB	4	TOY
	96-50MMCB	2	TOY
97-45B	96-21MMCCB	2	TOY
	96-25MMCB	2	TOY
	96-30MMCB	1	TOY
	96-385C	1	TOY
	96-50MMCB	4	TOY
97-46B	96-40MMCB	5	TOY
	96-45MMC	1	TOY
97-47B	96-42MMCC	1	VOL
	96-45MMCCB	6	VOL
97-48B	96-42MMCC	1	VOL
	96-45MMCCB	8	VOL
97-55B	96-1750CCB	3	IHC
	96-1875CC	1	IHC
	96-250HCPP	3	IHC
	96-750CC	1	IHC
97-56B	96-1135C	1	GM
	96-1510CB	2	GM
	96-1902SC	1	GM
	96-2260CB	4	GM
	96-375HCPP	3	GM
	96-697SC	3	GM
97-57B	96-1510SCB	4	GM
	96-1802SC	1	GM
	96-250HCPP	2	GM
	96-603C	2	GM
97-58B	96-1510SCB	6	GM
	96-2098SC	1	GM
	96-375HCPP	4	GM
	96-916C	1	GM
97-59B	96-1510SCB	3	CHC
	96-1635C	1	CHC
	96-2005CB	5	CHC
	96-250HCPP	2	CHC
	96-375HCPP	3	CHC
97-60B	96-1635CB	2	GM
	96-1978SC	1	GM
	96-2000CCB	2	GM
	96-572C	1	GM
	96-625CC	1	GM
97-61B	96-1375CC	1	CHC
	96-1625CCB	7	CHC
	96-375HCPP	2	CHC
97-62B	96-1510SCB	8	GM
	96-375HCPP	2	GM
	96-625CC	2	GM
97-63B	96-1250CCB	2	CHC
	96-1750CC	1	CHC
	96-375HCPP	2	CHC
97-64B	96-1953CB	4	GM
	96-2070CB	1	GM
	96-375HCPP	2	GM
	96-572C	2	GM
	96-947C	1	GM
97-65B	96-12.7MMC	1	GM
	96-34.3MMCB	7	GM
97-66B	96-1510SC	1	GM
	96-18MMCC	2	GM
	96-35MMCB	3	GM
	96-52MMCC	1	GM
97-67B	96-1625CCB	4	MGB
97-68B	96-40MMCB	6	TOY
97-69B	96-25MMC	4	TOY
	96-47MMC	1	TOY
	96-50MMCB	5	TOY
97-74B	96-1635CB	3	GM
	96-1953CB	1	GM
	96-2098SC	1	GM
	96-375HCPP	1	GM
	96-603C	2	GM
97-75B	96-14.4MMC	3	GM
	96-250HCPP	2	GM
	96-34.3MMCB	6	GM
	96-375HCPP	2	GM
97-76B	96-1510SCB	6	GM
	96-2098SC	1	GM
	96-375HCPP	2	GM
97-77B	96-35MMCB	1	TOY
	96-40MMCB	5	TOY
97-87B	96-1635CB	8	GDI
	96-16MMC	1	GDI
	96-2109SC	1	GDI
	96-250HCPP	1	GDI
	96-375HCPP	1	GDI
	96-523C	1	GDI
97-88B	96-1635CB	5	CHC
	96-635C	2	CHC
97-89B	96-125HCPP	1	CHC, MAZ, MIT
	96-250HCPP	1	CHC, MAZ, MIT
	96-28MMCB	4	CHC, MAZ, MIT
	96-375HCPP	1	CHC, MAZ, MIT
	96-40MMCB	3	CHC, MAZ, MIT
	96-50MMCB	3	CHC, MAZ, MIT
97-90B	96-1510SCB	1	GM
	96-18MMCC	1	GM
	96-35MMCB	5	GM
97-91B	96-36.5MMCB	4	CHC
	96-572C	2	CHC
97-92B	96-1500CCB	8	IHC
	96-250HCPP	4	IHC

EXPANSION PLUG KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
97-92B	96-375HCPP	2	IHC
	96-523C	2	IHC
97-93SS	96-1260SCSS	2	ISU
	96-1510SCSS	1	ISU
	96-1760SCSS	4	ISU
	96-18MMC	4	ISU
	96-18MMCC	2	ISU
	96-36.5MMCB	1	ISU
97-94B	96-1510SCB	8	FOR
	96-2260SC	1	FOR
	96-250HCPP	2	FOR
	96-375HCPP	3	FOR
	96-375HPPS	3	FOR
97-95B	96-42.3MMCB	4	GM
97-96B	96-250HCPP	2	GM
	96-34.3MMCB	4	GM
	96-375HCPP	1	GM
97-97SS	96-1385SC	2	FDI, FOR, IHN
	96-1500CCSG	7	FDI, FOR, IHN
97-98B	96-16MMC	2	GDI, GM
	96-2228SC	1	GDI, GM
	96-250HCPP	5	GDI, GM
	96-375HCPP	1	GDI, GM
	96-41.5MMCB	6	GDI, GM
97-99B	96-1635CB	8	GDI, GM
	96-16MMC	1	GDI, GM
	96-2098SC	1	GDI, GM
	96-250HCPP	2	GDI, GM
	96-461C	1	GDI, GM
97-99-2B	96-1635CB	8	GDI, GM
	96-16MMC	1	GDI, GM
	96-2098SC	2	GDI, GM
	96-250HCPP	2	GDI, GM
	96-461C	1	GDI, GM
97-100B	96-1635CB	8	CHC, GMM, GM
	96-2109SC	1	CHC, GMM, GM
	96-250HCPP	5	CHC, GMM, GM
	96-461C	3	CHC, GMM, GM
	96-523C	3	CHC, GMM, GM
97-102B	96-1010SCB	2	FAL
	96-1760CB	5	FAL
	96-2070SC	1	FAL
	96-250HCPP	1	FAL
	96-447C	1	FAL
97-103B	96-1510CB	1	ISU
	96-18MMC	2	ISU
	96-35MMCB	6	ISU
97-105B	96-1635CB	6	CHC
	96-635C	4	CHC
97-106B	96-1260SC	1	CHC
	96-1635CB	7	CHC
	96-1875CC	1	CHC
97-107B	96-125HCPP	1	FOR
	96-1640SCB	3	FOR
	96-2193SC	1	FOR
	96-250HCPP	3	FOR
97-108B	96-1762CB	4	FOR
	96-2193SCB	1	FOR
	96-375HPPS	2	FOR
97-109B	96-1510SCB	7	FOR
	96-2017SC	1	FOR
97-110B	96-35MMCB	8	HON
	96-523C	2	HON
97-112B	96-125HCPP	1	MAZ
	96-20MMC	2	MAZ
	96-250HCPP	1	MAZ
	96-35MMCB	3	MAZ
	96-375HCPP	1	MAZ
	96-40MMCB	1	MAZ
97-113B	96-18MMC	2	MAZ
	96-20MMC	1	MAZ
	96-35MMCB	4	MAZ
	96-375HCPP	1	MAZ
	96-50MMCB	1	MAZ
97-114B	96-28MMCB	1	NIS
	96-30MMCB	8	NIS
	96-35MMCB	1	NIS
97-116B	96-35MMCB	6	TOY
	96-40MMCB	1	TOY
97-117B	96-1640SCB	5	FOI, FOR
	96-2070SCB	2	FOI, FOR
	96-2193SC	1	FOI, FOR
	96-250HCPP	2	FOI, FOR
	96-375HCPP	3	FOI, FOR
	96-447C	1	FOI, FOR
	96-523C	1	FOI, FOR
97-118B	96-1510SCB	5	FOR
	96-250HCPP	4	FOR
97-119B	96-1135CB	4	GM
	96-1510SCB	4	GM
	96-1931SC	1	GM
	96-1953SC	1	GM
	96-250HCPP	2	GM
	96-603C	2	GM
97-120B	96-1635CB	5	GM
	96-1953C	1	GM
	96-2109SC	1	GM
	96-375HCPP	1	GM
97-121SS	96-1510SCSS	5	FDI, FOR
	96-1760SCSS	1	FDI, FOR
	96-500HCPP	1	FDI, FOR
	96-823SC	1	FDI, FOR
97-122B	96-14.4MMC	2	FOR
	96-375HCPP	2	FOR
	96-38MMCB	10	FOR
97-123B	96-1510SCB	6	GM
	96-1953SC	1	GM
	96-250HCPP	1	GM
97-124B	96-1635CB	6	CHC
	96-635C	2	CHC
97-125B	96-1635CB	8	CHC
	96-635C	3	CHC
97-126B	96-1010CB	2	CHC
	96-2005CB	5	CHC
	96-2140SC	1	CHC
	96-375HCPP	3	CHC
97-127B	96-1385CB	2	CHC
	96-1635CB	1	CHC
	96-25MMCB	5	CHC
97-128B	96-125HCPP	2	GM
	96-250HCPP	7	GM
	96-34.3MMCB	6	GM
	96-375HCPP	2	GM
97-129B	96-1760CB	3	CHC
	96-2005CB	1	CHC
	96-2140SC	1	CHC
	96-375HCPP	3	CHC
97-130B	96-14.4MMC	2	VOK

EXPANSION PLUG KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
97-130B	96-36.5MMCB	4	VOK
97-131B	96-250HCPP	4	GM
	96-34.3MMCB	7	GM
97-132B	96-35MMCB	4	TOY
	96-50MMC	2	TOY
97-134B	96-125HCPP	1	FOR
	96-1510SCB	6	FOR
	96-2193SC	1	FOR
	96-250HCPP	1	FOR
	96-375HCPP	1	FOR
97-135B	96-125HCPP	3	GDI, GM
	96-1635CB	6	GDI, GM
	96-2228SC	1	GDI, GM
	96-250HCPP	9	GDI, GM
	96-375HCPP	5	GDI, GM
97-136SS	96-1510SCSS	7	FDI, FOR
97-139B	96-18MMC	2	ISU
	96-35MMCB	6	ISU
	96-38MMCB	1	ISU
97-142B	96-40MMCB	8	NIS
97-144B	96-30MMCB	7	MAZ
	96-35MMCB	2	MAZ
97-148B	96-125HCPP	7	FOR
	96-1510SCB	2	FOR
97-149B	96-1510CB	2	FOR
	96-1760SCB	8	FOR
	96-375HCPP	2	FOR
	96-541SC	2	FOR
97-150B	96-375HCPP	1	FOR
	96-500HCPP	2	FOR
	96-750HCPP	2	FOR
	96-760CB	1	FOR
97-151B	96-1510SCB	6	GM
	96-1953SC	2	GM
	96-250HCPP	5	GM
	96-603C	2	GM
97-152B	96-14.4MMC	1	GM
	96-250HCPP	5	GM
	96-375HCPP	1	GM
	96-42.3MMCB	4	GM
97-153B	96-12.9MMC	1	GM
	96-250HCPP	4	GM
	96-375HCPP	1	GM
	96-42.3MMCB	4	GM
	96-572C	1	GM
97-154B	96-125HCPP	2	GM
	96-250HCPP	6	GM
	96-30MMCB	1	GM
	96-34.3MMCB	5	GM
	96-375HCPP	3	GM
97-155B	96-1385CB	2	CHC
	96-1635CB	1	CHC
	96-250HCPP	2	CHC
	96-25MMCB	5	CHC
	96-375HCPP	3	CHC
97-156B	96-250HCPP	3	TOY
	96-35MMCB	8	TOY
	96-375HCPP	3	TOY
	96-40MMCB	1	TOY
	96-50MMCB	1	TOY
97-159B	96-35MMCB	11	TOY
97-160B	96-25MMCB	2	TOY
	96-30MMCB	6	TOY
	96-35MMCB	1	TOY

QC #	Components	Qty.	Application
97-161B	96-30MMCB	1	TOY
	96-35MMCB	8	TOY
	96-40MMCB	3	TOY
97-162B	96-1375CC	1	TOY
	96-30MMCB	2	TOY
	96-35MMCB	1	TOY
	96-40MMCB	7	TOY
97-163SS	96-1010SCSS	4	CHC, CUM
	96-1260SCSS	1	CHC, CUM
	96-2285SCSS	6	CHC, CUM
	96-2375CC	1	CHC, CUM
	96-697SC	2	CHC, CUM
97-164B	96-1010CB	2	CHC
	96-1510SCB	6	CHC
	96-375HCPP	2	CHC
	96-523C	2	CHC
97-165B	96-125HCPP	1	CHC
	96-1385CB	10	CHC
	96-500HCPP	4	CHC
	96-697SC	1	CHC
97-166B	96-125HCPP	1	CHC
	96-1385CB	8	CHC
	96-500HCPP	4	CHC
97-167B	96-1385CB	4	CHC
	96-1635CB	2	CHC
97-168B	96-30MMCB	2	GM, ISU
	96-35MMCB	6	GM, ISU
	96-541SC	1	GM, ISU
97-169B	96-30MMCB	9	MAZ
	96-35MMCB	1	MAZ
97-170B	96-25MMCB	2	MAZ
	96-30MMCB	3	MAZ
	96-35MMCB	7	MAZ
97-173B	96-1385CB	4	FOR
	96-1510SCB	8	FOR
	96-697SC	8	FOR
	96-823SC	8	FOR
97-0178B	96-1385SC	3	FOR
	96-30MMCB	6	FOR
97-0195B	96-35MMCB	6	GM
	96-40MMCB	1	GM
97-0202B	96-18MMC	1	ISU
	96-35MMCB	5	ISU
	96-38MMCB	1	ISU
97-0212B	96-250HCPP	3	HON, TOY
	96-35MMCB	8	HON, TOY
	96-375HCPP	3	HON, TOY
	96-50MMCB	1	HON, TOY
97-0214B	96-35MMCB	6	GM, ISU, MIT
97-0216B	96-28MMCB	4	CHC
	96-40MMCB	3	CHC
	96-50MMCB	3	CHC
97-0220B	96-1320SCSS	1	MAZ
	96-35MMCB	3	MAZ
97-0222B	96-30MMCB	6	FOR, MAZ
	96-35MMCB	3	FOR, MAZ
97-0224B	96-25MMCB	2	MAZ, NIS
	96-30MMCB	2	MAZ, NIS
	96-35MMC	2	MAZ, NIS
	96-40MMCB	5	MAZ, NIS
97-0226B	96-35MMCB	9	MIT
97-0228B	96-35MMCB	1	NIS
	96-40MMCB	8	NIS
97-0230B	96-30MMCB	12	NIS

EXPANSION PLUG KITS / COMPONENTS NUMERICAL LISTING

QC #	Components	Qty.	Application
97-0236B	96-30MMCB	9	NIS
	96-375HCPP	2	NIS
97-0240B	96-34.3MMCB	1	GM
	96-36.5MMCB	4	GM
97-0242B	96-1010CB	1	GM
	96-125HCPP	1	GM
	96-250HCPT	2	GM
	96-375HCPP	2	GM
97-0244B	96-125HCPP	1	GM
	96-1510CB	6	GM
	96-1953SC	1	GM
	96-250HCPP	1	GM
97-300SS	96-1510SCSS	8	FDI, FOR, IHN
	96-16MMC	4	FDI, FOR, IHN
97-301SS	96-19MMCSS	4	GDI, GM
	96-40MMCSS	7	GDI, GM
97-302SS	96-1010SCSS	4	CUM
	96-2285SCSS	5	CUM
	96-2375CC	1	CUM
97-0608B	96-1510CB	6	FOR
	96-2156SC	1	FOR
	96-250-1HCPP	1	FOR
	96-523C	3	FOR
	96-760C	1	FOR
97-0610B	96-1760CB	6	FOR
	96-2390CRT	1	FOR
	96-250-1HCPP	4	FOR
	96-461C	6	FOR

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

BMW

11121264034	21-1625-63
11121267578	21-1687-57
11121707152	21-1500-53
11121707154	21-1500-53
11121711166	21-1625-56
11121714183	21-1500-62
11121715252	21-1500-53
11121715253	21-1500-53
11121719784	21-1750-60
11121721144	21-1375-55
11341267687	10-10375
113412708895	10-10373
11341287814	10-10374S
11341485585	10-13222
11341708859	10-10373
11341708896	10-10374S
11341722909	10-10730S
11341727151	10-10730S
11341738218	10-10695
11341738219	10-10696S
11341739820	10-10695
11341739821	10-10696S
11347513019	10-13222
11347513020	10-13223
11347513024	10-13223
11347533884	10-13321
11347533885	10-13322
11347547187	10-13325
11347585901	10-13324
11347587470	10-13323
11347805968	10-30836
11347805969	10-30835
11347829943	10-13223
11347829944	10-13223
11347829955	10-13222

Chrysler

5037382AB	32-6627
5037382AD	32-6627
5047447AA	10-13402
5048005AA	32-6681
04648907AA	32-2230
04667969	10-1730
04777770AB	10-13222
04777772AB	10-13223
04777772AC	10-13223
04777976AA	36-2278
04892676AA	10-13477
04892676AB	10-13477
04892677AA	10-13478S
04892677AB	10-13478S
05045515AA	74-6667
05045516AA	74-6668
05080044AB	30-3255
05117402AA	10-2235
056103419A	30-7359
1109911	10-349
1124659	30-1338
1124959	30-1337
119136	30-1504
119137	30-1342
119138	30-1704
1234424	42-1724
1319087	22-1640-1
1486911	30-1740
1614666	34-766
1614730	36-2084
1618636	10-518
1634790	30-1803
1737645	40-2850
17376746	40-2851

Chrysler

1737698	10-520
1739356	36-2084
1739534	32-672
1821238	10-514
1828240	22-1516-1
1851767	10-548
1852247	10-185
1852248	10-518
1852689	36-2269
1859623	22-1624-1N
1859793	10-577
1945318	10-514
1947231	10-185
1947623	10-567
1947718	10-1017S
1947718Z	10-1017S
1954291	36-2084
2071103	34-613
208819	10-122
208821	10-121
209567	30-1504
2128829	10-567
2203250	36-2084
2205958	38-530-15
2206103	10-548
2211432901	30-7576
2211511050	30-7577
2211532901	30-7575
2264658	34-613
2402312	34-613
2402714	10-576
24027140	10-1017S
2465335	10-938
2465339	10-1329
2468038	36-2084
2469501	36-2084
2532149	42-2661
2536979	10-576
2536979	10-1017S
2658204	32-891-D
2843014	36-2084
2863439	32-901-D
2863521	10-1307
2899036	10-1156
2899856	36-2011CCI
2899860	36-976
2899864	36-976
2899872	36-976
3004643	36-2011CCI
3004647	36-976
3004718	40-2851
3004719	40-2850
310458	34-613
3144974	34-555
3150568	30-1819
3151444	36-2084
3156155	10-549
3156157	34-766
3160304	36-2011CCI
3172303	36-2011CCI
3172328	10-549
3180454	36-2011CCI
3180457	32-883
3180609	36-2011CCI
3187202	10-1047
3189883	36-2011CCI
3190810	36-2011CCI
3190895	36-2011CCI
3190901	36-2011CCI
3190935	36-2011CCI
3195223	10-1047
3202147	30-1819

Chrysler

3218732	10-1260
3218733	10-1258
3218809	10-1260
3218810	10-1260
3218813	10-1325
3219896	10-1257
3222276	36-2011CCI
3224597	10-1325
3224598	10-1326
3224602	10-1325
3224603	10-1325
3228192	32-1082
3229657	10-1258
3236513	42-1718
3237464	10-1441
3237465	10-1442
3240767	10-1441
3240768	10-1442
3242393	40-2740
3242659	10-1479
3242660	10-1478
3242896	10-1478
33002400	20-1562-1
33002429	10-1478
33002729	38-925-25
33002986	74-6335
33003515	10-1557
33003521	34-217
33003575	10-1557+15
33003860	10-1556
33004296	32-1278
33007142	20-1562-1
3418239	36-2011CCI
3418411	36-2011CCI
3418424	40-2892
3418479	10-1156
3420039	36-2011CCI
3512095	10-1156
3549963	10-1186
3549967	10-1312S
3549971	10-567
3549975 (PKG)	10-548
3549979 (PKG)	10-548
3577836	10-548
3577943	10-1186
3577948	10-1180
3577950	10-1180+15
3614320	36-2011CCI
3614321	36-2011CCI
3671902	10-1265
3744801	10-1312S
3751087	10-1312S
3751252	36-2011CCI
3751262	36-976
3751267	36-976
3751673	10-1307
3769317	10-1309
381875	34-746
3830705	10-1329
3830710	10-1307
3830715	10-1156
3830721	10-1156
3899498	10-1312S
3904408	30-8177
3904409	30-8178
4006767	36-976
4049338	36-2011CCI
4071003	38-1068-70
4071006	38-1068-70
4095897	36-2089
4100367	10-1419
4100377	10-1307

Chrysler

4100382	10-1417
4100387	10-1399
4100774	40-2893
4104402	10-1307
4105348	36-2105
4105715	30-7662
4105716	30-7661
4105979	10-1265
4106028	36-2089
4173390	40-2809
4186155	36-2084
4201187	30-7662
4201188	30-7661
4201189	21-1500-63
4201190	21-1687-51
4201332	38-535-25
4201349	34-614
4201391	30-7451N
4201393	10-1449
4227660	36-2089
4227778	10-1448
4240007	36-2105
4298137	10-1553
4298142	10-1552
4315809	10-1712
4323235	36-2269
4323244	10-1555
4323249	10-1554
4382094	20-1562-9
4387677	36-2269
4387682	36-2269
4397751	36-2269
4429097	38-535-45
4429105	10-1665
4429109	10-1664
4429111	22-1722-1
4429408	30-8177
4429409	30-8178
4429854	22-1853-1
4448052	10-1671
4448057	10-1670
4448065	21-1562-74
4448072	30-8219
4448305	32-1246
4448305	32-672
4483041	10-1419
4483711	30-7451N
4483714	30-7429N
4483725	40-2758
4483859	32-1282
4484408	30-8557
4484421	10-1802
4494467	36-2269
4536513	34-06513
4536513AB	34-06513
4573380	10-1713
4575380	10-1712
4621116	10-1670
4621530	32-2230
4621762	10-1870
4621938	36-2269
4637537	10-1556
4637539	10-1556+15
4648613	10-1742
4648613AC	10-1992
4648615	10-1741
4648615AC	10-1991
4648619	38-20-45
4648635	30-8555
4648907AA	32-2230
4663002	38-20-45
4663002	38-800-45

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

Chrysler	
4663345	10-1712
4663347	10-1713
4663722	34-03722
4663801	32-2215
4663836	10-1901
4663899	10-1920
4663902	10-1921
4663985	36-2297
4667124	10-1730
4667129	10-1731
4667140	36-2278
4667411	30-8556
4667807	10-1730
4667810	10-1731
4667969	10-1730
4667969AB	10-2008
4667972	10-1731
4667972AB	10-2008
4694185	30-8177
4694222	10-1904
4694224	10-1905
4713216	10-1665
4713994	10-1664
4740269	36-2011CCI
4777050	34-719
4777050AB	34-07050
4777050AC	34-07050
4777898AA	10-2009
4781025AA	10-1993
4781029AA	10-1994
4781029AB	10-1994
4781030AA	34-01030
4852361AA	10-2035
4852411AA	10-2008
4882061	32-02061
4882220	30-8219
4892465AA	36-2332
4892925AA	10-13478S
4892925AB	10-13478S
49103419	30-7852
5011441AA	32-04053
5011441AB	32-04053
5011455AA	55-3198
5011877AA	10-2015
5011878AA	34-5020
5011879AA	10-2014
5011880AA	38-0438-45
5011881AA	38-0989-45
5011892AA	74-6554
5037372AB	10-13206
5037373AB	10-13207
5037475AB	74-6664
5037475AC	74-6664
5037476AB	74-6665
5037476AC	74-6665
5037477AC	32-6628
5037477AD	32-6628
5037798AA	38-345-55
5038331AB	10-30821
5038785AB	36-7103K
5038785AC	36-7103K
5038785AD	36-7103K
5038786AB	36-7104K
5038786AC	36-7104K
5038786AD	36-7104K
5045478AB	10-30822
5045478AC	10-30822
5045478AD	10-30822
5045487AB	10-30821
5045487AC	10-30821
5045487AD	10-30821
5045515AA	74-6667

Chrysler	
5045516AA	74-6668
5047068AA	10-13190
5047068AB	10-13190
5047069AA	10-13191
5047069AB	10-13191
5047446AA	10-13401
5047452AA	34-5143
5047453AA	38-7001-55
5047497AA	32-6680
5047498AA	32-6682
5047564AA	10-13400
5047917AA	10-13461
5048022AA	10-13462
5073735AA	10-2234
5073738AA	10-2235
5080042AA	22-1218-1
5080043AA	22-1175-1
5080057AA	38-5080-55
5086290AA	38-5080-55
5086861AA	38-9191-45
5086862AA	38-9191-45
5117399AA	10-2234
5117399AA	10-13073
5117402AA	10-13074
5117410AA	22-1088-1
5140913AA	10-13161
5175396AA	10-13356
5175397AA	10-13357
5175438AA	38-9675-45
5175440AA	36-7561
5177407AA	22-1160-1
5184060AN	32-6656
5184127AC	10-13263
5184128AD	10-13264
5184128AE	10-13264
5184168AB	38-9675-45
5184296AE	40-9123
5184296AF	40-9123
5184296AH	40-9123
5184332AA	36-7561
5203472	21-1687-51
5203577	34-237
5203789	30-7429N
5203792	21-1500-63
5214861	10-1449
5214866	10-1448
5240925	30-7359
5240998	30-7852
5245590	36-2269
53005771	38-803-45
53005863	10-1781
53006673	30-8494
53006677	20-1687-5N
53006722	74-6462
53006723	10-1714
53006724	10-1715
53006986	10-1556
53008288	74-6462
53008514	36-2269
53009270	10-1556+15
53009887	38-802-45
53010388	32-2225
53010512AA	10-1916
53010512AA	34-00515
53010513AA	10-1917
53010515AA	34-00515
53020319	10-1714
53020556	32-2225
53020742AC	40-2906
53020747AB	10-1918
53020748	10-1919
53020749AB	32-2482

Chrysler	
53020749AC	32-2482
53020752AB	38-752-45
53020752AD	38-752-45
53021056	32-1278
53021077	36-2271
53021550AA	10-2103
53021551AA	10-2220
53021551AB	10-2220
53021552AA	42-1552I
53021552AB	42-1552I
53021553AA	42-1553E
53021553AB	42-1553E
53021556AA	74-6652
53021556BB	74-6667
53021557AA	74-6653
53021557BB	74-6668
53021571AA	10-1919
53021578AA	38-345-55
53021580AA	32-2480
53021580AB	32-2480
53021580AD	32-2480
53021580AE	32-2480
53021644AA	10-1919
53021644AC	10-13252
53021726AD	36-7103K
53021726AE	36-7103K
53021726BB	36-7103K
53021726BC	36-7103K
53021728AD	36-7104K
53021728AE	36-7104K
53021728BB	36-7104K
53021728BC	36-7104K
53021775AA	32-6612
53021775AC	32-6612
53021873AA	32-6614
53021887AA	32-6612
53021894AA	36-2271
53021913AB	40-2906
53021916AA	10-1919
53021990AA	10-13251
53021994AA	32-5023
53022087AA	10-13194
53022087AC	10-13194
53022088AB	10-13195
53022088AD	10-13195
53022089AD	32-5024
53022090AB	38-812-45
53022277AA	34-06513
600746	30-1337
600746I	30-1338
6029497	96-635C
630356	10-122
630357	10-121
637182	10-122
637183	10-121
643334	34-555
646421	10-302
68002237AA	10-13006
68080909AA	32-5024
68080909AB	32-5024
68098251AA	10-13477
68147261AA	32-6722
68147262AA	38-9525-55
68147263AA	30-3220
68147264AA	22-1166-1
68147265AA	10-13502
68147268AA	22-1028-1
68147269AA	10-13503S
68172840AA	10-30837
68210104AA	38-9191-45
68295813AA	38-9526-55
68447694AA	32-6716

Chrysler	
68447792AA	74-6557
68453300AA	10-13402
68490016AA	10-13506
68490103AA	10-13507S
711045	10-210
741568	10-121
7700713790	10-10131S
7701463510	10-10131S
7B0109441B	40-9123
802639	10-303
8122755	10-1260
8122756	10-1258
8122761	10-1325
8122929	36-2011CCI
8123287	34-766
8127694	10-1258
8132227	10-1438
8132229	10-1437
8132232	32-685-D
8132235	34-555
8134389	10-1438
8134392	10-1437
8350066	36-2011CCI
83500739	10-1395
83500740	10-1395
83500743	10-1394
83500766	36-2095
8554	30-8554
8933003516	10-1556
8933003575	10-1557+15
8933003576	10-1556+15
8933003860	10-1556
925437	10-210
930225	30-1900
954302	10-185
994946	10-302
994969	10-302
AW321739	10-10625
J3189833	36-2011CCI
J3218976	38-938-45
J3218976	38-921-25
J3222276	36-2011CCI
J3224598	10-1326
J3228192	32-1082
J3229657	10-1258
J3229657	10-1258
J3237464	10-1441
J3237465	10-1442
J3240767	10-1441
J3240768	10-1442
J3242659	10-1479
J3242664	38-450-25
J3242678	32-1242
J3242864	38-925-25
MD000441	21-1562-50
MD000461	30-7576
MD000471	30-7577
MD000481	10-10083
MD002465	21-1375-51
MD002481	10-10083
MD007783	10-10083
MD008760	34-813
MD016421	21-1437-57
MD016441	30-7578
MD016460	10-10098
MD016461	10-10097
MD016490A	38-996-55
MD020551	30-7574
MD020561	30-7575
MD020580	10-10065
MD020583	10-10064
MD020587	10-10064

 Interchanges Are For Reference Purposes Only

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

Chrysler

MD020588	10-10064
MD022591	32-1125
MD024414	21-1750-61
MD024441	21-1500-62
MD024518	10-10092
MD024519	10-10091S
MD024546	21-1625-56
MD024547	21-1625-56
MD024548	10-10091S
MD026514	21-1875-51
MD026515	21-1875-51
MD026517	21-1625-56
MD026518	21-1625-56
MD040539	10-10064
MD061895	34-716
MD069806	10-10139
MD069807	10-10140
MD070691	10-10141
MD070693	10-10142
MD070694	10-10142
MD072177	36-6000
MD072298	32-1289
MD073398	32-1289
MD074628	10-10136
MD079660	30-7578
MD083483	21-1750-69
MD083657	10-10415
MD083659	10-10416
MD083661	10-10415
MD083662	10-10416
MD083848	10-10145
MD083850	10-10146S
MD083851	10-10146S
MD083887	10-10141
MD085253	10-10143
MD085254	10-10144
MD088811	10-10624
MD088812	10-10625
MD093714	36-6000
MD108468	21-1375-51
MD108471	21-1500-75
MD110451	21-1562-69
MD115472	38-996-55
MD121489	21-1437-68
MD124739	36-2274
MD124739	36-900CCI
MD126605	30-8193
MD126608	30-8194
MD127840	10-10126
MD127841	10-10128
MD128114	21-1562-69
MD135479	10-10500
MD135480	10-10501
MD136125	21-1437-59
MD139755	10-10497
MD148418	21-1125-52
MD149309	36-2274
MD149309	36-900CCI
MD151369	34-719
MD151382	36-6000
MD159502	10-10534
MD162422	10-10498
MD162423	10-10499
MD168421	10-10501
MD169831	21-1437-73
MD172315	10-10500
MD172527	30-8554
MD172530	30-8571
MD172535	21-1187-51
MD173621	21-1250-55
MD183893	21-1187-54
MD184303	38-553-55

Chrysler

MD185569	10-10535
MD185850	30-7577
MD189240	21-1250-60
MD193862	21-1437-59
MD197097	10-10535
MD197106	10-10535
MD197467	38-964-55
MD199193	10-10535
MD300702	30-8554
MD301193	10-10534
MD301640	21-1562-69
MD301712	21-1750-61
MD301714	21-1562-69
MD303177	10-10535
MD306183	10-10535
MD307235	30-8569
MD307343	38-996-55
MD324101	30-8193
MM115880	32-1289
MN183950	10-13191
MN187696	10-13190
T1463510	10-10131S
T1463944	10-10131S

Cummins

143066	96-1135SC
156075	96-30MMC
156641	38-1055-70
162333	22-1847-1+010
166772	34-613
175380	96-1135SCSS
175831	96-760CSS
212217	20-2000-14
213394	96-760CSS
213395	96-1010SCSS
216524	96-1260SCSS
3004258	96-823SC
3007634	96-760C
3007635	96-1010SCSS
3031098	22-2381-1+010
3054591	22-2006-5+010
3054601	22-2006-5+010
3680883	34-04644
3802005	10-1665
3802006	10-1664
3802355	10-1665
3802356	10-1664
3802659	10-1862
3802924	10-2014
3802967	10-2015
3900299	55-2299
3900687	96-2375CC
3900955	96-385C
3900956	96-697SC
3900958	96-1260SCSS
3900965	96-2285SCSS
3901097	38-535-45
3901117	10-1665
3901607	10-1664
3901969	96-2750CC
3902606	96-1010SCSS
3904105	22-1722-1
3904408	30-8177
3904409	30-8178
3905401	96-1385SC
3906854	22-1853-1
3912976	55-2757
3916691	32-6691
3920706	96-885CSS
3920867	10-1665
3920868	10-1664

Cummins

3921639	38-535-45
3921640	38-535-45
3922072	96-2285SCSS
3922714	10-1862
3925176	22-1722-1
3925177	22-1853-1
3925666	37-5666
3925667	32-04049
3926700	32-02061
3940123	34-5020
3940734	10-2015
3940735	10-2014
3941253	74-6554
3942298	22-1375-1
3942299	22-1375-2N
3942571	38-0989-45
3942572	38-0438-45
3942989	38-0989-45
3943161	32-04053
3943198	55-3198
3943449	22-1375-1
3943450	22-1375-2N
3945094	96-38MMC
3945095	96-510SC
3945438	38-0438-45
3955393	38-9191-45
3955394	38-9191-45
3957912	38-6114-55
3957914	37-5666
3968183	10-13161
3972757	55-2757
3977221	16-767241
3979602	10-13006
4017622	96-1510SCSS
4089672	10-13161
4325187	10-13476
4429408	30-8177
4429409	30-8178
4895187	10-1665
4895188	10-1664
4936080	32-04053
4955212	10-13006
4991571	38-9191-45
4994143	10-1664
4995554	10-1665
5292628	32-04053
5303406	32-3406
5330258	74-6557
5345531	32-6716
70772	96-125HCPP
S2037	34-746

Daewoo

12915A78B01	10-03034
642854	10-10183
90215492	10-10182
90324412	10-10183
90354648	34-5021
90410813	10-2040S
90412277	10-10784
90448050	32-2488
96098751	10-10183
96103034	30-3046
96103129	10-2249
96103130	10-2250S
96182805	10-2250S
96182806	10-2249
96182933	10-10183
96182934	10-10182
96184997	36-7089
96184997	36-7089

Daewoo

96376362	36-7089
96376400	36-7089

Fiat

46413807	10-3075
46461209	10-3075
46462158	10-3074
46462159	10-3075
46517325	10-3074
46761369	10-3074
46761370	10-3075
4892677AB	10-13478S
4892925AA	10-13478S
4892925AB	10-13478S
500362855	10-30838
500362856	10-30837
504069199	10-30838
504072531	10-30840
504081062	10-30839
504238926	10-30840
504238928	10-30839
504378070	10-30837
68095467AA	10-30838
9640840080	10-30835
9645024780	10-30836
9660035980	10-13445
9660640080	10-13446S
9675708880	10-13445
9675709860	10-13446S

Ford

1049788	10-10732S
1100679	10-3078
110678	10-3079
1121331	10-13445
1121332	10-13446S
11448522	10-1285
11448522	10-1285
11448894	10-1300
1214456	10-13446S
1216915	10-13445
1229882	10-30836
1229883	10-30835
13212V5010	30-8388
13213V5010	30-8017
13213V5010	30-8389
1479885	38-6119-55
1550925	36-2012
1685845	10-30833
1685847	10-30834
1F2Z6571AA	38-224-45
1S4G6507CA	10-13453
1S4Z6507A	10-13453
1S4Z6571AA	38-840-45
1S6Z6505A	10-13454
1S7Z6500AA	36-7501
1S7Z6500BA	36-7502
1S7Z6500CA	36-7503
1S7Z6500HA	36-7533
1S7Z6500KA	36-7534
1S7Z6505AA	10-2007
1S7Z6507AA	10-2006
1S7Z6507B	10-13480
1S7Z6513AA	32-04059
1S7Z6518AA	34-5024
1S7Z6571FA	38-6105-55
2L2Z6505BA	10-1914
2L2Z6507BA	10-1913
2L2Z6513AA	32-2302
2S7Z6513A	32-2476
385658	42-1740

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

Ford	
388480	42-1741
3C3Z6500AA	36-2104
3C3Z6505AA	10-2180
3C3Z6507AA	10-2179
3C3Z6513AA	32-04040
3C3Z6514AA	55-6328
3C3Z6518AA	34-5009
3C3Z6571AA	38-160-55
3C3Z9F538AA	87-8320
3L3Z6057BA	22-1345-1
3L3Z6057BBA	22-1501-1
3L3Z6500BA	36-2305
3L3Z6507BA	10-2118
3L3Z6510AA	30-3047
3L3Z6510BA	30-3047
3L3Z6513BA	32-04029
3L3Z6564A	40-2930
3L3Z6564BA	40-2930
3L3Z6571DA	38-905-45
3M5Q6505AA	10-30835
3S4Z6505AA	10-2007
3S4Z6507AA	10-2006
3S4Z6571AA	38-6105-55
4C3Z6505AA	10-2119
4R3Z6513BA	32-04029
5232855	36-900CCI
5750692	36-2083
5751554	10-494
5751559	10-373
5C1Z6571A	38-7000-55
5L1Z6500A	36-2305
5L1Z6505AA	10-2265
5L1Z6505BA	10-2265
70910053	10-30145
70910054	10-30146
73TM6507LA	10-1285
74TM6505A2A	10-1300
74TM6505A2B	10-1300
74TM6505AB	10-1300
7F1Z6513FA	32-2476
7HA6510A	30-1613
7HA6518A	34-555
7T4Z6505A	10-13226
7T4Z6507B	10-13225
7T4Z6513AA	32-5009
7T4Z6517AA	38-6125-55
83TM6505AA	10-1300
83TM6507AA	10-1285
85TM6500AA	36-2083
86TM6505AD	10-10386
86TM6507FA	10-10385
8BA6505A	10-212
8BA6505A2	10-212
8BA6510	30-1614
8C3Z6505A	10-13183
8C3Z6507A	10-13182
8C3Z6565B	74-6662
8C3Z9N951A	87-6951
8G9Z6500AAA	36-7502
8G9Z6500AAA	36-7501
8G9Z6500BAA	36-7503
8G9Z6500CA	36-7534
8G9Z6500DCA	36-7533
90TM6505AB	10-10388
90TM6507AB	10-10387
948M6505L2C	10-1746
948M6505L2E	10-1746
948M6507L2C	10-1745
978B6507A2A	10-1745
978M6507A2A	10-1745
97JM6C501AB	36-7005
97MM6507B2B	10-03004

Ford	
9S4Z6507A	10-2006
A7AZ6507A	10-1538
AA5Z6505A	10-13345S
AA5Z6507A	10-13225
AA5Z6513A	32-5019
AG9Z6505A	10-13482
AL3Z6505A	10-13289
AL3Z6507A	10-13288
AL3Z6513A	32-5016
AL3Z6541A	55-7362
AL3Z6571A	38-6127-55
AL3Z6571AA	38-6127-55
AT4Z6505A	10-13226
AT4Z6513A	32-5009
B4A6507A	10-376
B506500A	36-2083
B5A6056A	20-1875-6
B6A6057A	20-1562-1N
B7T6507A	10-494
B8A6513B	32-677-D
B8A6518A	34-613
B8AZ6563D	42-2641
B8AZ6564C	40-2859
B8QH6057A	22-1744-1N
B8QH6518A	34-802
B8S6500A	36-2083
B9AE6505A	10-1242
BC3Q6500AD	36-2315
BC3Z6500A	36-2315
BC3Z6500C	36-2315
BC3Z6505A	10-13266
BC3Z6505AA	10-13266
BC3Z6507A	10-13265
BC3Z6507B	10-2118S
BC3Z6513A	32-5015
BC3Z6514A	55-5715
BC3Z6565A	74-6685
BC3Z6571A	38-6129-55
BE8Z6505B	10-13454
BE8Z6518A	34-5145
BE8Z6571C	38-6119-55
BK2Q6505BB	10-13446S
BK2Q6507BB	10-13445
BK2Z6505A	10-13446S
BK2Z6507A	10-13445
BL3Z6505A	10-13291S
BL3Z6507A	10-13290S
BL3Z6571A	38-6125-55
BM5Z6505A	10-13456
BM5Z6505B	10-13456
BM5Z6505C	10-13456
BM5Z6507A	10-13455
BM5Z6507B	10-13455
BM5Z6518A	34-5144
BM5Z6571A	38-6997-55
BR3Z6500A	36-2314
BR3Z6505A	10-13295
BR3Z6507A	10-13294
BR3Z6513A	32-5011
BR3Z6564A	40-2916
BR3Z6571B	38-6128-55
C0AE6500A	36-2083
C0AE6505E	10-1242
C0AE6505J	10-375
C0AE6505N	10-1242
C0AE6505U	10-1242
C0AE6507AI	10-376
C0AE6507J	10-373
C0AZ6505N	10-1242
C0DE6056A	20-1562-3
C0DE6057A	20-1375-4
C0ME6507N	10-376

Ford	
C0TE6507A	10-376
C0TE6507E	10-376
C1AE6505E	10-1242
C1AE6507A	10-637
C20E6500A	36-900CCI
C20Z6500A	36-900CCI
C20Z6500B	36-900CCI
C20Z6500C	36-900CCI
C20Z6500D	36-900CCI
C20Z6A528CHP	42-1772
C2AE6505E	10-375
C2AZ6505A	10-1242
C3AE6505J	10-742
C3AZ6505A	10-375
C3AZ6505J	10-742
C3AZ6513B	32-907-D
C3DE6500B	36-2083
C3DZ6500B	36-2083
C3DZ6513A	32-778
C3OZ6513A	32-786-D
C3TE6505A	10-375
C40E6500A	36-900CCI
C4AE6505A	10-1242
C4AE6507E	10-947
C4AZ6507A	10-947
C4TE6507A MD	10-949
C4TE6507M	10-949
C4TZ6057A	22-1630-1
C4TZ6505J	10-1332
C4TZ6507J	10-949
C4TZ6507R	10-1057S
C4TZ6513A	32-798
C5AE6500E	36-900CCI
C5AE6505A	10-1358
C5AE6505E	10-1358
C5AE6507A	10-963
C5AE6507A2	10-963
C5AZ6507A	10-963
C5TE6505E	10-965S
C5TZ6505A	10-965S
C5TZ6505E	10-965S
C5TZ6507A	10-1120
C5TZ6507C	10-1120+15
C5TZ6507E	10-1120
C5TZ6513Z	32-812
C60E6505A	10-1000
C60E6507A	10-1001
C6836505J	10-1000
C6AE6505A	10-1000
C6AZ6505J	10-1000
C6AZ6507A	10-1001
C6AZ6507J	10-1001
C6AZ6513A,D	32-909-D
C6CZ6513A,AA	32-677-D
C6CZ6513B	32-611
C70E6505J	10-1000
C70E6507J	10-1001
C7AE6500A	36-900CCI
C7AZ6505A	10-1000
C7AZ6507E	10-1001
C7AZ6507J	10-1001
C7AZ6513E	32-902
C7JE6505M	10-1242
C7TE6505E	10-1332
C7TE6507A	10-1057S
C7TE6507E	10-949
C7TE6507F	10-949
C7TZ6505B	10-1242
C8AE6500A	36-2083
C8AZ6500A	36-2083
C8AZ6500B	36-2083
C8AZ6513A	32-906

Ford	
C8SZ6056A	20-2125-4
C8SZ6057A	20-1750-1
C8SZ6505A	10-1102
C8SZ6507A1	10-1103
C8SZ6513B	32-991
C8SZ6A529A	42-1793
C8TE6507A	10-1120
C8TZ6057A	22-1815-1
C8VE6505J	10-1102
C8VE6507E	10-1103
C90E6505J	10-1237
C90E6505U	10-1237
C90E6507AA	10-1238
C90E6507J	10-1238
C90Z6507A	10-1238
C9AE6500A	36-2083
C9AE6505A	10-1135
C9AE6505U	10-1135
C9AE6507A	10-1137
C9AE6507N HD	10-1120
C9AE6507N LD	10-963
C9AE6507S	10-963
C9AE6507U	10-1137
C9AZ6505A	10-1135
C9AZ6507A	10-1137
C9NN6057J	22-1630-1N
C9NN6057M	22-1600-1+030
C9TE6505J	10-1242
C9TE6507A	10-1120
C9TM6505A	10-09538
C9TM6507A	10-09536
C9ZZ6518A	34-555
CC3Z6505A	10-13266
CE2DZ6500A	36-900CCI
CJ5Z6513A	32-6684
CM5E6500ACB	36-7502
CM5E6500ECB	36-7534
CM5Z6505A	10-13458S
CM5Z6507A	10-13457
CP9Z6500AAB	36-7501
CP9Z6500BAB	36-7503
CP9Z6500DCB	36-7533
CP9Z6500ECB	36-7534
D0AE6500A	36-900CCI
D0AE6500E	36-900CCI
D0AE6505AA	10-1169
D0AE6505AE	10-1171
D0AE6507BJ	10-1172
D0AZ6500A	36-900CCI
D0AZ6505A2	10-1169
D0AZ6505E	10-1171
D0AZ6505E2	10-1171
D0AZ6507A2	10-1172
D0AZ6507E2	10-1170
D0AZ6507J	10-637
D0AZ6A529A	42-1791
D0OZ6500A	36-900CCI
D0OZ6A527A	42-1740
D0TE6505A	10-1358
D0VZ6505A	10-1102
D0ZZ6513A	32-961-D
D1AE6505AA	10-1169
D1AZ6500A	36-900CCI
D1AZ6500B	36-900CCI
D1AZ6510D	30-6114
D1AZ6513A	32-994
D1FZ6518A	34-619
D1TZ6057A	22-1630-1
D27Z6505A	10-10060S
D27Z6507A	10-10061
D27Z6518A	34-212
D2AE6505AA	10-1237

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

Ford	
D2AE6507AA	10-1238
D2AZ6505A	10-1237
D2AZ6505D	10-1135
D2AZ6507A	10-1238
D2AZ6507C	10-1238+15
D2DE6505AA	10-1266
D2DE6507AA	10-1268
D2DE6507EA	10-1268
D2DZ65053	10-1266
D2DZ6505A	10-1266
D2DZ6505C	10-1266
D2DZ6507A	10-1268
D2DZ6507E	10-1268
D2OE6505EA	10-1237
D2RY6505A	10-1300
D2RY6507A	10-1285
D2RY6518A	34-614
D2TE6505AA	10-1135
D2TE6507AA	10-1137
D2TZ6505A	10-1135
D2TZ6505J	10-1135
D2TZ6507A	10-1137
D3AZ6A527A	42-1740
D3OZ6513A	32-1086
D3RY6505A	10-1300
D3VE6505AA	10-1271
D3VE6507A	10-1272
D3VZ6505A	10-1271
D3VZ6507A	10-1272
D3VZ6507C	10-1272+15
D42E6505AD	10-1597
D42E6507AD	10-1598
D43Z6505A	10-1597
D4FZ6500A	36-2012
D4FZ6505A	10-1597
D4FZ6507A	10-1598
D4FZ6564A	40-2810
D4NN6057A	22-1630-1N
D4TE6505AA	10-1242
D4TE6505AD	10-1597
D4TZ6505A	10-1242
D4TZ6507A	10-637
D4ZE6507A	10-1598
D4ZZ6505A	10-1300
D5AE6505JA	10-1327
D5AZ6057A	20-1687-1
D5OZ6513A	32-1086
D5TE6505AA	10-1327
D5TE6505NA	10-1332
D5TE6507AA	10-1328
D5TE6507EA	10-1349S
D5TZ6505A	10-1327
D5TZ6505J	10-1332
D5TZ6507A	10-1328
D5TZ6507A2A	10-1328
D6AZ6510A	30-7459
D6AZ6510B	30-5607
D6EE6505AA	10-1597
D6EE6507A2A	10-1598
D6EE6507AA	10-1598
D6EE6C501A1A	36-2012
D6FZ6500A	36-2012
D6FZ6505A	10-1597
D6FZ6507A	10-1598
D6TZ6507A	10-1349S
D7AZ6505E	10-1271
D7AZ6507E	10-1272
D7AZ6507F	10-1272+15
D7AZ6A528A	42-1776
D7BE6507AA	10-1357
D7BZ6507A2A	10-1357
D7DZ6505A	10-1327

Ford	
D7JE6505AA	10-1271
D7JE6507AA	10-1272
D7TE6505AA	10-1358
D7TE6505EA	10-1358
D7TZ6505A	10-1358
D8AE6500A	36-900CCI
D8AE6505BA	10-1367
D8AZ6513A	32-1149
D8AZ6513B	32-1175
D8AZ6564B	40-2888
D8AZ6A527A	42-1741
D8FZ6564A	40-2810
D8NN6507AA	10-1694
D8TE6505AJ	10-1367
D8TE6505E	10-1367
D8TE6505EA	10-1367
D8TE6507AA	10-1380
D8TZ6505A	10-1367
D8TZ6505E	10-1367
D8TZ6505J	10-1135
D97Z6571A	38-966-55
D97Z6571B	38-966-55
D9HZ6057A	22-1781-1N
D9HZ6500A	36-900CCI
D9HZ6505G	10-1381
D9HZ6507D	10-1382
D9HZ6507E	10-1384S
D9HZ6507G	10-1384S
D9HZ6510A	30-8037
D9HZ6513B	32-1167
D9HZ6565A	74-6274
D9OE6505AA	10-1135
D9TE6505EA	10-1381
D9TE6507AA	10-1137
D9TE6507EA	10-1382
D9TE6507JA	10-1384S
D9TZ6507A	10-1380
D9TZ6514A	32-1016
D9ZE6507A	10-1598
DC2Z6571A	38-111-45
DOAE6507BU	10-1170
DOAZ6518A	34-620
DOOZ6513B	32-1011
E0AZ6507A	10-1328
E0EE6501AA	36-2012
E0JY6507A	10-10157
E0SE6507A2A	10-1416
E0SE6507AA	10-1416
E0SZ6507A	10-1416
E1AE6505EA	10-1266
E1AZ6505A	10-1266
E1EE6505AA	10-1451
E1EE6507A2A	10-1452
E1EE6507AA	10-1452
E1FZ6057A	21-1750-60
E1FZ6505A	10-1451
E1FZ6507A	10-1452
E1FZ6518A	34-619
E27E6505AA	10-1527
E27E6507AA	10-1528
E27Z6571A	38-966-55
E2AE6505A	10-1135
E2AE6505DD	10-1469
E2AE6505SA	10-1135
E2AE6507D2D	10-1470
E2AE6507E2D	10-1470
E2AZ6505B	10-1135+15
E2AZ6505D	10-1135
E2DZ6057C	21-1625-54
E2DZ6505A	10-1469
E2DZ6507A	10-1470
E2DZ6510A	30-8545

Ford	
E2GZ6513A	32-1247
E2TE6505DA	10-1358
E2TN6507AB	10-1694
E2TZ6505A	10-1358
E2ZE6505GA	10-1597
E2ZZ6505A	10-1597
E3BZ6571A	38-766-25
E3DZ6571A	38-810-45
E3TZ6057B	22-1669-1
E3TZ6500A	36-2104
E3TZ6505A	10-1527
E3TZ6505D	10-1542
E3TZ6505L	10-1300
E3TZ6507A	10-1528
E3TZ6507D	10-1543
E3TZ6507F	10-1285
E3TZ6510B	30-7689
E3TZ6564C	40-1806
E3TZ6565A	74-6608
E3TZ6571A	38-844-45
E3ZE6507A	10-1328
E3ZE6507A2A	10-1328
E3ZZ6507A	10-1328
E3ZZ6507C	10-1328+15
E43E6505B2A	10-1597
E43E6507B2A	10-1598
E43Z6505A	10-1597
E43Z6507A	10-1598
E4AE6507A2B	10-1470
E4AZ6505A	10-1135
E4DZ6057A(.)	22-1630-1
E4DZ6507A	10-1470
E4EE6505A2A	10-1451
E4EE6507A2C	10-1452
E4EZ6505A	10-1597
E4FZ6505A	10-1451
E4FZ6507A	10-1452
E4FZ6571A	38-840-45
E4TE6505AA	10-1135
E4TZ6505A	10-1542
E4TZ6513C	32-887-D
E4ZE6507A2A	10-1598
E4ZE6507F2A	10-1328
E57E6505AA	10-1527
E57E6507AA	10-1528
E59E6507A2B	10-1598
E59E6507A3B	10-1598
E5EE6507C2B	10-1452
E5FZ6507A	10-1452
E5HN6505AA	10-1758
E5HN6507AA	10-1757
E5HN6507AB	10-1757
E5JE6505AA	10-1504S
E5JE6507A	10-1120
E5TE6505BA	10-1504
E5TE6507B2A	10-1505
E5TZ6505A	10-1504
E5TZ6505E	10-10416
E5TZ6505F	10-1527
E5TZ6507A	10-1505
E5TZ6507E	10-10415
E5TZ6507F	10-1528
E5TZ6513A	32-1244
E5TZ6513B	32-1245
E5ZZ6507A	10-1598
E5ZZ6507G	10-1328
E6AE6505A2C	10-1535
E6AE6507A2E	10-1536
E6AZ6505A	10-1537
E6AZ6507A	10-1538
E6DZ6505A	10-1535
E6DZ6507A	10-1536

Ford	
E6DZ6513A	32-1258
E6DZ6571A	38-998-45
E6FZ6513B	32-1299
E6HZ6507A	10-1694
E6SE6505A2A	10-1537
E6SE6505DA	10-1537
E6SE6507A2A	10-1538
E6TZ6500A	36-2083
E6TZ6505A	10-10386
E6TZ6507A	10-1328
E6TZ6507D	10-10385
E6TZ6513A	32-1290
E6TZ6564A	40-1806
E6TZ6571A	38-812-45
E6TZ6571E	38-400-55
E79E6507A2A	10-1598
E7AZ6507A	10-1538
E7DZ6513A	32-1258
E7EE6505B2A	10-1545
E7EE6505B2D	10-1545
E7EE6505E2A	10-1451
E7EE6507B2A	10-1546
E7EE6518B3A	34-00515
E7FZ6057A	21-1625-62
E7FZ6057B	21-1437-65
E7FZ6500A	36-2217
E7FZ6505A	10-1545
E7FZ6505B	10-1545
E7FZ6505C	10-1545
E7FZ6505D	10-1545
E7FZ6507A	10-1546
E7FZ6507B	10-1546
E7FZ6507C	10-1546
E7FZ6507D	10-1546
E7GZ6505A	10-10155
E7GZ6507A	10-10154
E7GZ6571A	38-997-45
E7HZ6057E	22-1733-2N
E7HZ6505A	10-1758
E7HZ6507A	10-1757
E7HZ6510A	30-8409
E7RY6505A	10-10386
E7SE6507A2A	10-1538
E7TE6505AB	10-1547
E7TE6507A2A	10-1505
E7TE6507BA	10-1548S
E7TZ6057A	22-1781-1N
E7TZ6505D	10-1547
E7TZ6505G	10-1504
E7TZ6507A	10-1505
E7TZ6507D	10-1548S
E7TZ6507G	10-1505
E7ZE6A517AA	38-805-45
E7ZE6A517BA	38-806-55
E7ZZ6571A	38-805-45
E7ZZ6571B	38-806-55
E83E6507A2A	10-1598
E83Z6505A	10-1597
E83Z6507A	10-1598
E8AZ6571A	38-925-25
E8TZ6505B	10-1542
E8TZ6505C	10-1542
E8ZE6505A2A	10-1597
E8ZZ6507A	10-1598
E92Z6505A	10-10163
E92Z6505B	10-10164
E92Z6507A	10-10162
E92Z6510A	30-8142
E92Z6C501A	36-2254
E92Z6C501B	36-2254
E9AE6505AA	10-1537
E9AE6505BA	10-1537

 Interchanges Are For Reference Purposes Only

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

Ford	
E9AE6507AA	10-1538
E9AZ6507A	10-1328
E9DZ6505A	10-10168S
E9DZ6507A	10-10167
E9DZ6510A	30-8559
E9FZ6500A	36-2217
E9JY6507A	10-10157
E9JY6510A	30-8186
E9JY6510B	30-8187
E9SE6505B2A	10-1469
E9SE6507B2A	10-1470
E9SE6A517AA	38-108-45
E9SZ6505A	10-1469
E9SZ6507A	10-1470
E9SZ6564A	40-2819
E9SZ6565A	74-6434
E9SZ6571B	38-108-45
E9TE6505AA	10-1135
E9TE6507AA	10-1328
E9TE6507AB	10-1328
E9TZ6505A	10-1135
E9TZ6507A	10-1328
E9TZ6513A	32-1420
E9TZ6513A	32-991
E9ZE6505BA	10-1135
E9ZE6507BA	10-1328
EAD6500	36-2083
EBJ6500A	36-2083
EBP6505A	10-375
EBP6507E	10-373
EBP6507N	10-373
EBU6507A	10-376
EBU6514A	34-555
ECK6505A	10-375
ECR6507F	10-494
ECU6500A	36-2083
ECV6500A	36-2083
EDB6507A	10-494
EDC6505E	10-1242
EDG6500A	36-2083
EJ7Z6505A	10-13481
EOAZ6564B	40-2889
F0CZ6505A	10-10235
F0CZ6510A	30-8173
F0CZ6510B	30-8174
F0HZ6507A	10-1757
F0JY6507A	10-10157
F0SE6564A	40-2819
F0TZ6056A	20-1875-9
F0TZ6500A	36-2244
F0TZ6505A	10-10388
F0TZ6507A	10-10387
F0TZ6513A	32-1684
F0TZ6564A	40-1807
F0TZ6565A	74-5471
F0VY6505A	10-1537
F12Z6510A	30-8142
F1AE6505CC	10-1698
F1AE6507BE	10-1699
F1AE6518BA	34-281
F1AE6C501BB	36-2271
F1AZ6057A	21-1875-56
F1AZ6505A	10-1698
F1AZ6507A	10-1699
F1AZ6510A	30-8274
F1AZ6513A	32-1615
F1AZ6518A	34-281
F1AZ6571A	38-843-45
F1AZ6C510A	36-2271
F1AZ6V501B	36-2271
F1CZ6571A	38-840-45
F1DZ6500A	36-900CCI

Ford	
F1HZ6057A	38-403-45
F1HZ6571B	38-403-45
F1JE6505AA	10-1504S
F1JE6507AA	10-1120
F1T36507BA	10-1505
F1TE6505BA	10-1504
F1TE6507BA	10-1505
F1TE6507HA	10-1548
F2CZ6500A	36-2217
F2LE6505AF	10-1708
F2LE6507AE	10-1709
F2NN6518AA	34-613
F2SE6500AA	36-2205
F2SZ6500A	36-2205
F2TZ6507A	10-1548
F2Y110280A	30-8142
F32Z6505A	10-10551
F32Z6505B	10-10563
F32Z6507A	10-10550
F32Z6507B	10-10562
F32Z6507C	10-10562
F32Z6510A	30-8561
F32Z6C501A	36-2276
F33E6505A2A	10-1597
F33E6507A2A	10-1598
F37E6505A2A	10-1597
F3CZ6057A	21-1625-62
F3CZ6057B	21-1437-65
F3CZ6500A	36-2217
F3CZ6505A	10-10235
F3DE6507AA	10-1536
F3LY6057A	21-1500-79
F3LY6057B	21-1250-61
F3LY6505A	10-1708
F3LY6505A	10-1698S
F3LY6507A	10-1699
F3LY6507A	10-1709
F3LY6571A	38-905-45
F3TE6507JA	10-1723
F3TZ6505B	10-1754
F3TZ6507D	10-1723
F3TZ6507E	10-1723
F3XY6057B	21-1500-53
F3XY6500C	36-2198
F3XY6505A	10-10282
F3XY6507A	10-10281
F3XY6510B	30-8389
F4AE6A517AA	38-111-45
F4AZ6571A	38-111-45
F4BZ6C501B	36-2254
F4DZ6507A	10-1536
F4TE6505EB	10-1504S
F4TZ6505A	10-1786
F4TZ6505B	10-1504S
F4TZ6505C	10-1786
F4TZ6507A	10-1785
F4TZ6507B	10-1785
F4TZ6518A	34-614
F4TZ6565A	74-6611
F4TZ6565C	74-6446
F4TZ6571A	38-173-45
F4TZ9F538A	87-4376
F53E6505AB	10-1729
F53E6507AA	10-1728
F53E6518BA	34-03722
F57E6505BB	10-1744
F57E6507BB	10-1743
F57E6A517AA	38-309-45
F57Z6505A	10-1744
F57Z6505BB	10-1744
F57Z6507A	10-1743
F57Z6507BB	10-1743

Ford	
F57Z6510A	30-8274
F57Z6513A	32-04026
F57Z6571A	38-309-45
F5AE6507AA	10-1699
F5AZ6507A	10-1699
F5AZ6510A	30-8274
F5DE6505AC	10-1788
F5DE6507AC	10-1787
F5LY6571A	38-46-45
F5RZ6500BA	36-7022
F5RZ6505A	10-1746
F5RZ6505D	10-1729
F5RZ6507A	10-1745
F5RZ6507D	10-1728
F5RZ6510A	30-8560
F5RZ6518B	34-281
F5RZ6571B	38-565-45
F5UE6507AA	10-1792
F5UZ6507A	10-1792
F65E6505AA	10-1791
F65E6507AA	10-1789
F65E6C501AA	36-2271
F65Z6507AA	10-1789
F67J6C501AA	36-2271
F67Z6500A	36-2012
F6AE6505AB	10-1698S
F6AE6507AB	10-1699S
F6AZ6513AA	32-1615
F6AZ6571A	38-111-45
F6AZ6571AA	38-111-45
F6CE6507CB	10-2044
F6CE6507EA	10-2044
F6DZ6049EC	30-9204
F6DZ6505A	10-1788
F6DZ6505DA	10-1939S
F6DZ6507A	10-1787
F6DZ6565AA	74-6604
F6DZ6571DA	38-936-45
F6DZ6C501A	36-2271
F6JL6505AA	10-1504S
F6ZE6507AA	10-1790
F6ZZ6505A	10-1791
F6ZZ6507A	10-1790
F6ZZ6510A	30-8574
F6ZZ6510B	30-8575
F6ZZ6513A	32-2475
F72Z6505BA	10-10563
F72Z6507AA	10-10562
F77Z6500AB	36-7005
F77Z6505AA	10-10388
F77Z6505AC	10-1914
F77Z6507AA	10-10387
F77Z6507AB	10-1913
F77Z6510AE	30-8663
F77Z6513AA	32-2302
F77Z6513ZZ	32-2302
F77Z6571AB	38-292-45
F77Z6571AB	38-844-45
F77Z6571AB	38-812-45
F7CZ6505AA	10-1936
F7CZ6507AA	10-2044
F7CZ6507CB	10-2044
F7CZ6513AA	32-2486
F87E6505BA	10-1914
F87E6507BA	10-1913
F87Z6505BA	10-1914
F87Z6507BA	10-1913
F8CZ6505AA	10-1936
F8CZ6505AA	10-1746
F8RZ6505AA	10-1936
F8RZ6507BA	10-1745
F8RZ6507BA	10-2044

Ford	
FC3Z6513A	32-6714
FC3Z6571A	38-6522-55
FODE6500AA	36-900CCI
FR3Z6505A	10-13449
FR3Z6507A	10-13489
FR3Z6507A	10-13294
FT4Z6465A	40-2923
FT4Z6505B	10-13429
FT4Z6507A	10-13428
FT4Z6513A	32-6666
FT4Z6518A	34-5143
FT4Z6564C	40-2923
FT4Z6571A	38-6493-55
GR3Z6564BA	40-2916
HL3Z6505C	10-13496
HL3Z6505D	10-13496
HL3Z6507B	10-13225
HL3Z650C	10-13495
HL3Z6513A	32-6712
HL3Z6571A	38-6518-55
JC3Z6049A	16-267001R
JC3Z6049B	16-267001L
JL3Z6505A	10-13488
JL3Z6507A	10-13487
JR3Z6513A	32-6717
JR3Z6513B	32-6717
JR3Z6571A	38-6514-55
JT4Z6505A	10-13497
JT4Z6505B	10-13497
JT4Z6507A	10-13428
JT4Z6507B	10-13428
JT4Z6507C	10-13428
JT4Z6571A	38-6493-55
K0AA371100	10-10167
K0AA371500	10-10168S
LC3Z6500C	36-6600
LC3Z6505A	10-13512
LC3Z6507A	10-13511
LC3Z6507B	10-13511
LC3Z6513A	32-2498
LC3Z6513B	32-2497
LC3Z6513C	32-2497
LC3Z6513D	32-2498
LC3Z6513E	32-2497
LC3Z6513F	32-2498
LC3Z6565C	74-6556
LC3Z6571A	38-6519-55
LC3Z6571A	38-6519-55
MXS6E6C501AC	36-7101
PB8M6500A	36-2083
PC3Z6507A	10-13511
S6E6C501AC	36-7101
XF2Z6513AA	32-2475
XL3E6513AC	32-2487
XL3Z6505AA	10-1925
XL3Z6507AA	10-1924
XL3Z6513AA	32-2487
XS4Z6513AA	32-2486
XW4Z6505AA	10-2193
XW4Z6505ZZ	10-2193
XW4Z6510AA	30-3028
XW4Z6518BA	34-5023
Y60112111	10-30836
YF0912111	10-1745
YF0912121	10-1746
YF1Z6505BA	10-2047
YF1Z6507BA	10-2046
YF1Z6513C	32-04017
YF1Z6513FA	32-2476
YS4Z6505AA	10-1936
YS4Z6571CA	38-571-45
ZZLO12121	10-10388

ORIGINAL EQUIPMENT MANUFACTURER INTERCHANGE

General Motors	
12619825	10-13432
01635313	34-5030
10004296	10-1438
10004728	10-1437
10022882	10-1438
10024039	10-1437
10034162	10-1437
10040226	10-1551
10040232	32-1374
10042875	38-819-45
10042877	38-821-45
10044421	10-1550
10044512	10-1592
10044515	10-1591
10044612	10-1550
10044620	32-1301-D
10045251	10-1294S
10045252	10-1393
10069213	10-1261S
10070124	10-1560
10070125	38-830-45
10088106	10-1192
10089648	41-1736
10093027	10-1931
10093027	10-1195
10101149	10-1107
10112680	40-2867
10114115	10-996S
10114116	10-1235S
10114117	10-1087
10114118	10-1107
10114119	38-119-35
10114123	42-2971
10124698	32-1301-D
10127492	10-1703
10127493	10-1702
10130992	34-00992
101321082	38-827-45
10137454	10-1482S
10147882	38-4788-35
10149663	10-1780S
1015098	30-3020
10156070	10-1705
10156071	10-1704
10162178	10-1702
10166152	10-1195+15
10166341	10-1810
10166342	10-1811
10166343	32-1265
10166345	34-5005
10166354	74-6475
10166355	74-6474
10166368	38-031-45
10168465	10-1931
10168465	10-1195
10168495	10-1195
10168509	10-1195
10168594	10-1807
10198809	32-2212
10198812	30-8535
10198816	10-1736
10198817	10-1737
10198818	38-322-45
10206040	32-2210
10212810	38-371-45
10212811	32-1680
10214034	38-240-15
10214664	40-2902
10220606	10-1806
10220606	10-1806
10227494	10-1931
10231940	74-6602

General Motors	
10238852	74-6614
10239906	16-157906
10240894	10-1107
10240896	10-1261S
10240898	32-04013
10240899	37-2899
10241740	74-6373
10241742	10-1931
10241743	10-1931
10241744	55-6906
10244974	10-1806
10244974	10-1806
10785567	36-951
1111560B11001	30-8324
111158650001	30-8144
1112215030	30-8147
1165557	30-1733
1231079	10-1189
1232184	10-1188
12338014	38-830-45
12338631	20-1375-2
12338632	20-1625-5
12339069	20-1750-2
12339070	20-1500-1
12350995	20-2125-38
12350996	20-1937-17
12350997	20-1812-4N
12350998	20-1812-9N
12350999	20-1812-5N
12353360	10-1437
12353361	10-1437+15
12353362	10-1438
12353381	10-1438+15
12353382	10-1550
12353387	10-1551
12353397	10-1591
12353398	10-1591+15
12353399	10-1592
12353400	10-1592+15
12353401	10-1710
12353402	10-1710+15
12353403	10-1711
12362632	10-1195+15
1237653	10-1188
1237667	10-1189
1238022	32-1001
12457652	38-805-55
1247718	10-1320
12480244	32-2212
12482062	38-901-45
12482063	38-900-45
12523971	40-2754
12529742	30-9946
12533586	38-805-55
12537174	32-2212
1254158	10-1352
12550002	36-2148G
12550458	10-1935
12550458	10-1935
12550909	10-1807
12551397	36-2279G
12552289	10-1807S
12553349	10-2053
12553350	10-2054
12553354	38-354-45
12553696	32-2500
12555564	32-2484
12555601	38-811-55
12555905	10-1934
12555908	10-2045
12556295	74-6638
12556296	74-6639

General Motors	
12556298	40-9111
12556317	10-2101
12556320	32-04042
12556458	10-1706
12557928	30-3024
12558062	16-157906
12558295	10-1935S
12558674	38-371-45
12558849	10-2126S
12563062	10-1934
12563064	10-1935
12563064	10-1935
12564012	36-2148
12564338	10-2267
12564494	10-1934
12564494AA	10-1934
12564852	38-371-45
12565197	10-2053
12565199	32-6634
12565204	10-2076
12565763	32-2522
12565836	38-6036-55
12568411	10-2172
12568412	10-2173
12569167	40-2903
12569427	10-13239
12569583	10-1929
12571595	36-2303
12571596	36-2303FG
12571608	36-2303RG
12572638	36-7082
12574354	38-354-45
12575196	55-6735
12575197	34-5032
12575351	10-13334
12575352	10-13211
12575354	10-13335
12575355	32-5001
12575793	10-1997
12576181	14-160400
12576400	36-2148
12576400	36-2148
12577695	40-2901
12577696	10-13043
12577696	10-2172
12577697	10-2173
12582198	10-10779
12582719	10-13042
12586484	32-5017
12589774	32-04046
12590223	10-2053
12592506	32-5008
12596034	10-2010S
12596078	32-04051
12596995	38-6995-45
12600774	32-6607
12601762	10-13046
12601763	10-13179
12610719	10-13241S
12610931	10-13333
12612427	10-13042
12612427	10-13440
1261378	10-1388
1261380	10-1389
1261380	10-1387
1261424	10-1387
12615936	10-2010S
12616671	32-5001
12619824	10-13433
12619827	32-6688
12619828	74-6696
12619829	40-2913

General Motors	
12620501	10-13211
12621548	10-13212
12623722	10-13179
12624396	38-6132-55
12625033	32-5017
12626894	10-30816
12626895	10-13441
12627156	10-13442
12627970	10-13240
12627971	10-13244
12629513	10-30814
12631974	10-13335
12631975	10-13334
12632143	36-2303
12633926	38-6510-55
12633927	32-6701
12636187	10-13470
12636188	10-13469
12636193	34-5001
12636194	55-5087
12636317	10-30819
12636319	32-6708
12636393	55-6066
12637241	10-30820
12639516	36-2303
12639517	36-2303FLA
12639518	36-2303RLA
12645723	36-2303RLA
12645724	36-2303FLA
12645725	36-2303
12647867	10-13467
12647868	10-13468
12647873	32-6700
12653350	38-6153-55
12653994	10-30816
12661717	38-6036-55
12662527	10-13441
12666905	38-6520-55
12666906	38-6520-55
12668832	38-6509-55
12669184	36-2303FG
12669185	36-2303RG
12669995	40-2903
12677931	32-6688
12678745	10-13433
12678746	10-30815
12681230	38-6520-55
12681275	40-2902
12686721	32-6715
12686787	36-7082
12690608	16-166529
12729741	32-6711
12771608	36-2303RG
1285035	30-1384
12855396	38-9675-45
1291178B00	10-03033
1291578B00	10-03034
1362589	30-1733
1370108	10-976
1370109	10-975
1381656	10-1188
1381657	10-1082
1381658	10-1188
1385075	10-1105
14002446	41-2407
14004097	10-1466
14004098	10-1465
14007368	10-1372
14007370	10-1393
14007743	10-1192
14024249	10-1395
14024254	10-1394

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General Motors	
14024298	10-1192
14024299	10-1371
14024300	10-1192
14024474	10-1931
14024474	10-1195
14025512	32-1220-D
14025569	10-1393
14025570	10-1193
14025571	10-1393
14025572	10-1195
14025573	10-1195
14025574	10-1195
14025575	10-1192
14031328	10-1481
14031332	10-1480
14033139	10-1192
14033927	10-1484
14033928	10-1482S
14034082	10-1193
14037631	10-1371
14037636	10-1192
14042575	37-4003
14045145	10-1261S
14075629	74-6230
14075631	74-6380
14075641	10-1195
14077112	32-1330-D
14081040	10-1578S
14081046	37-1046
14081053	10-1087
14082305	10-1646S
14085486	32-1268
14086088	10-1569
14086089	10-1568
14087525	10-1235S
14088641	10-1192
14090057	74-6445
14091408	10-1578S
14091805	10-1561
14091806	10-1560
14095256	74-6034
14095451	10-1192
14096684	10-1164
14097045	10-1164
14102521	74-6376
14102522	74-6375
14103192	10-1261S
14103223	10-1195
1410957	30-1411
146112	30-1745
1486752	10-1083
1486753	10-1084
1602743	10-1293
1611155	10-1293
1615431	10-1434
1618837	10-1464
1621321	10-1463
1625100	20-1625-1
1632056	30-5606
1635315	10-1558
1635318	10-1559
1644844	10-1594
1647161	30-8668
1647199	10-1707
1647200	10-1706
1647209	34-07209
1647211	38-407-45
1649705	38-823-45
17085565	36-6005
17085566	36-817CCI
17085568	36-2095
17089102	36-2236

General Motors	
17089852	36-2148
17102014	36-2270
17102660	36-6005
17105697	36-2272
17105951	36-2236
17106263	36-2272
17109057	36-2148
17120060	36-2279
17120061	36-2279
17120070	36-2270
17120090	36-2148
17120735	36-2148
17120991	36-2236
17121905	36-2148
17121905	36-2148
17122490	36-2148
17123524	36-7082
18120004	20-1812-4
19207664	38-6036-55
19316203	10-13398
19316204	10-13399
21000103	34-00992
21000424	30-8293
21000637	10-10521
21000638	10-10520
21000640	21-1375-60
21000740	36-2273
21000982	30-8292
21000985	10-10523
21000986	10-10522
21006284	30-8293
21006357	36-2296
21006406	10-10520
21006515,6	38-585-45
21006678	36-2273
21006693	36-2273
21006828	30-8293
21006829	30-8292
21006842	32-2460
21007037	10-10521
21007038	10-10520
21007039	10-10522
21007040	10-10523
21007154	10-10521
21007426	30-8021
21007455AC	10-1949
21007456AC	10-1950
21007462	30-8292
21007685	38-586-45
21015025	36-2273
21055098	30-3020
22503324	10-1450
22514420	21-1750-65
22521789	10-1450
22525390	10-1450
22530611	10-1450
22531217	38-827-45
22531220	34-510
22537971	10-1674
22542308	10-1726
22542314	10-1727
22548421	32-1558
230171	10-1002
2334647	30-1758
23500061	10-1483S
23500283	10-1780S
23502552	38-552-45
23503994	74-6609
2367415	22-1952-1
2367485	30-1758
24100005	36-7082
24100293	38-354-45

General Motors	
24100294	40-3901
24102863	10-30165
24102864	10-30166
24405805	30-3279
24405815	10-30849
24405819	38-6131-55
24405819	38-6131-55
24418513	10-3401
24418514	10-3402
24419109	36-7089
24454518	10-2010S
24463777	10-30118
24463778	10-30119
24500317	38-956-45
24501290	10-1711
24501291	10-1710
24501667	10-1710
24501717	10-1711
24502254	10-1858
24502256	32-2212
24502394	10-1710
24503314	30-8593
24503856	34-555
24503888	34-217
24504195AA	10-1735
24504246	10-1703
24504249	10-1703
24504710	30-8593
24504953	10-1702
24505722	10-1929
24507422	10-1858
24507423	10-1735
24508009	38-809-45
2453097	10-30852
24572068	38-247-45
24573076	10-1726
24574092	32-04002
24574524	30-8536
24574697	10-1937
24574697	10-1941
24574723	10-1941
24574723	10-1937
24574860	32-04018
24575384	10-1903
24575387	10-1902
24575582	38-588-45
24576974	10-1998
24576975	10-1999
24577277	32-04051
24579671	10-30121
24596078	32-04051
2465337	10-938+15
25178085	36-2272
25192555	10-2248S
25341990	36-2148
25342148	36-2104
25512098	10-1388
25518390	38-450-25
25519324	38-956-45
25521841	10-1389
25523697	10-1389
25530143	38-956-45
25532065	10-1711
25532066	10-1710
3196696	74-6034
3214014	74-6034
329275	10-1192
33002729	38-535-45
336733	10-1294S
336770	10-997
340226	10-1294S
3520056	10-1593

General Motors	
352072	10-1593
3520720	10-1558
3522423	10-1739
3522487	32-2484
3535417	10-1594
360506	38-535-45
364746	10-1195
3688065	10-199
3688758	30-1453
3688759	30-1476
3688761	30-1527
369399	10-1393
3695455	10-308
3703571	10-400
3703920	10-399
3704142	32-558
3708168	30-1732
3724778	10-400
3730859	10-400
3730860	10-399
3731212	10-400
3735208	10-399
3735381	32-685-D
374430	42-1792
3744341	42-1786
3754754	10-400
3758810	10-308
3760237	10-1206S
3764389	38-731-15
3765095	10-696
3769558	10-308
3774052	10-399
3774594	10-399
3774685	10-399
3774695	10-399
3779410	36-6005
3779486	10-400
3796243	74-6034
3799576	10-696
3799644	36-817CCI
3814692	42-2921
3815082	10-308
3819002	10-399
3835333	38-240-15
3835639	10-400
3835910	10-308
3836006	42-2941
3836026	10-400
3836542	10-400
3836640	32-558
3836652	10-400
3839387	10-400
3849814	10-988
3849818	10-919
3856860	32-816-D
3859914	10-996S
3859915	10-1087
3860004	10-1107
3864808	10-1164
3866612	38-910-25
3869997	36-817CCI
3870360	10-400
388380	10-969
388385	10-970
3887125	32-864-D
3887127	10-997
389451	10-1457
389457	10-974
3896931	32-880-D
3904295	42-2941
3906695	10-1106
3911068	32-880-D

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General Motors	
3921912	42-2941
393063	10-1002
3931005	10-1107
3931006	10-1106
3937750	10-919
3940980	10-1153
3940981	10-1153
3940982	10-1153
3940983	10-1153
3941010	10-399
3942551	10-919
3942556	10-988
3946077	10-1131
3946816	10-399
3947770	34-555
3947880	34-613
3955188	10-919
3959142	42-1792
3959146	10-696
3965583	10-696
3969815	10-1164
3970627	32-1009
3972112	10-1206S
3973186	10-1235S
3981040	10-996S
3984180	10-1195
3989083	10-1193
3989084	10-1192
3989085	10-1195
3989086	10-1194
3989087	10-1206S
3989088	10-1193
3989089	10-1206S
3992264	10-1192
3994246	10-1193
3995651	10-1195
3995656	10-1195
399809	10-969
401762	10-974
401768	10-970
403350	10-1002
405874	10-1457
405886	10-970
405892	10-974
409270	10-1210
411202	10-1457
411226	32-1016
412354	10-1263
412821	10-1457
415784	10-1002
417736	10-1324
460483	38-925-25
460483	38-938-45
460527	38-910-25
461348	10-1372
461349	10-1371
465934	42-1786
470110	38-935-45
470113	38-322-45
471531	10-1195
471553	10-1371
476528	10-1394
476529	10-1395
476530	42-2948
477292	32-1038-D
483191	10-1160
483201	10-1296
483211	10-1161
486564	10-1160
486567	10-1160
489843	10-1245
489849	10-1296

General Motors	
4D3350	10-1002
52252456	10-10117
52252460	10-10116
5231315	36-992
5231355	36-951
5231360	36-951
5231430	36-6005
5231465	36-6005
5231475	36-817CCI
5231585	36-992
5231615	36-951
5232100	36-6005
5232110	36-6005
5232215	36-992
5232265	36-951
5232280	36-817CCI
5232320	36-951
5232375	36-951
5232385	36-951
5232439	36-992
5232445	36-6005
5232450	36-817CCI
5232510	36-6005
5232537	10-1083
5232550	36-992
5232565	36-6005
5232570	36-951
5232575	36-951
5232660	36-817CCI
5232670	36-817CCI
5232675	36-951
5232695	36-992
5232700	36-817CCI
5232720	36-817CCI
5232750	36-951
5232755	36-951
5232765	36-6005
5232780	36-951
5232810	36-6005
5232895	36-951
5232900	36-951
5233315	36-2056
5233410	36-6005
5233465	36-2104
5233515	36-6005
5233645	36-2104
5233745	36-2148
5234150	36-2095
5234200	36-6005
5234212	36-2095
5234295	36-2104
5234305	36-6005
5234315	36-6005
5234330	36-6005
5234360	36-6005
5234464	36-2104
5234470	36-2104
5234530	36-2104
5234625	36-2104
5234670	36-2148
5234680	36-2104
5234755	36-2104
5234890	36-2148
5234890	36-2148
5234935	36-6005
5235455	36-2272
5235498	36-2148
52362958	10-1560
526102	10-1161
536264	38-450-25
538343	42-1786
550377	10-1322

General Motors	
550383	10-1323
55192156	10-13293
553396	10-1263
553402	10-1457
553408	10-1324
553471	30-1878
55355572	10-13343
5535572	10-30849
554167	10-1323
554173	10-1322
55496632	10-30853
55496633	10-30854
555456	10-1354
55557741	10-30850
55557862	10-3401
55558728	10-3402
55563529	10-13293
55565339	10-13368S
55568831	10-13367
55568832	10-13368S
55569172	40-2920
55569449	10-13342
55569450	10-13343
55577562	32-5029
5640020	36-7089
5942273	36-2296
601806	30-1453
602978	30-1476
605231	30-1527
6263732	10-1261S
6263754	10-1107
6263778	10-1206S
6263796	32-1038-D
640016	36-7082
641015	10-30167
641022	10-10784
641061	10-30118
641317	10-30168
641325	10-2040S
641331	10-2040S
641331	10-2040S
641340	10-30119
641391	10-30849
641392	10-30849
71744388	10-30849
8132248	36-6005
817508	55-6231
8350066	36-2095
838029	34-555
838752	30-1476
88891778	38-247-45
88969569	10-2177
88969571	38-310-55
89017561	38-809-45
8941767081	30-8189
8943626461	30-8255
8944245061	30-8291
9002817	10-30851
90106142	40-1850
90106341	38-824-45
90136613	10-1486
90136620	10-1485S
90220112	10-10116
90220121	10-10213
90232973	10-10182
90232977	10-10183
9024683	10-30166
9024688	10-30165
903223518	10-10182
903223518	10-09816
903223523	10-09832
903232524	10-09832

General Motors	
90323757	10-10116
90324412	10-10183
90354648	34-5021
90398840	40-1850
90409992	10-30167
90409996	10-30168
90410741	38-1329-45
90410813	10-2040S
90410816	10-2040S
90412277	10-10784
90412712	10-30118
90412974	10-30119
90448050	32-2488
90502079	30-3010
90502080	30-3011
90529533	34-5033
90537032	32-04060
90537239	10-2010S
90537240	10-1997
90570967	36-7089
90572642	30-3010
90572643	30-3011
91171154	30-8144
91171765	10-10302
91174435	38-998-45
91174438	34-5022
91175073	10-10787S
91177228	10-10786
9128603	36-7117
9128626	10-2040S
9129211	40-1339
9158057	38-6137-55
9194698	36-7082
93174076	36-7089
93184457	36-7089
93399246	10-3046
93399246	10-30120
93399248	10-30121
93429582	10-10182
93429583	10-10183
93429588	10-09816
93429589	10-09832
94029346	21-1625-55
94029351	10-10216
94030688	10-10216
94030689	10-10217
94032687	30-3298
94051259	87-1259
94105292	21-1625-61
94176706	21-1312-65
94176708	30-8189
94176717	30-8014
94203702	21-1500-50
94205977	10-10087
94206762	30-7713
94206763	30-7714
94213384	21-1500-50
94216969	21-1750-62
94217178	10-10094
94217179	10-10093
94228701	21-1625-61
94239501	34-5001
94250977	10-10105
94250978	10-10104
94316157	30-8255
94325528	21-1187-52
94362645	30-8189
94362646	30-8255
94364961	30-8189
94380758	36-2272
94450950	21-1187-52
94450951	21-1375-51

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General Motors

94580146	10-03033
94656542	38-824-45
94720894	40-1850
94840002	21-1500-71
94840062	10-10107
94840063	10-10106
94840605	30-8021
94844753	30-8038
94845132	10-10176
94845387	34-5011
94847271	21-1062-50
94847343	10-10314
94847344	10-10315
94853609	36-2299
94853629	10-10506
94853630	10-10507
94856712	38-310-55
94856714	34-5023
94859431	10-10780
94859432	10-10781
96051426	38-700-45
96051575	30-8016
96051655	10-10103
96051656	10-10102S
96051659	34-5009
96053081	10-10102S
96057952	10-10172
96057953	10-10173
96060053	10-10169
96060054	10-10170
96061666	36-2272
96062385	30-8016
96065425	30-8324
96067847	10-10103
96067978	10-10170
96067994	10-10173S
96068277	34-5008
96068605	10-10516
96068606	10-10517
96336671	30-3046
96352793	10-03034
96353035	38-6100-55
96376400	36-7089
96376880	10-2248S
96376881	10-2247
96376980	10-2248S
96440079	10-2248S
96440081	10-2247
96463002	10-30852
96463003	10-30851
96830500	10-2248S
96840122	38-6100-55
97188463	87-8463
97188746	55-6066
97212571	22-1343-1
97212572	22-1264-1
97212994	38-299-45
97216511	22-1502-2
97225124	32-04041
97225507	10-2175
97225508	10-2176
97250340	30-3049
97289442	16-166527
97325546	36-2298
97329105	32-04041
97329106	55-6066
97779580	16-166527
9778742	10-1072
9778747	10-1072
9778757	10-958
9779008	32-813
978320	10-1296

General Motors

9787593	10-1072
9792340	10-1097
9792342	10-1098
9792344	10-1098
9792424	10-1097
9792426	10-1098
9799367	10-1160
9799370	10-1161
98025825	32-04041
98028875	22-1502-2

Honda

0614759BU00	10-30539
12010PCX000	30-3136
12011PCX010	30-3136
12204P13305	30-8582
12204PA6300	30-7830
12204PA6305	30-7830
12204PC6305	30-7830
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12209MBA003	38-569-45
12209PA6003	38-569-45
12210PD2003	38-569-45
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12211PA6003	38-569-45
12211PA6003, 4	38-976-45
12211PA6004	38-569-45
12211PD2003,4	38-976-45
12211PE0003	38-976-45
12211PZ1003	38-592-55
12211PZ1004	38-592-55
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14711P08000	10-10524
14711P0A000	10-10541
14711P0BA00	10-10432
14711P0HA00	10-10541
14711P2A000	10-10524
14711P73J01	10-10434
14711P75000	10-10742
14711P75000	10-10122
14711P8EA00	10-10778
14711PB1000	10-10115
14711PB2000	10-10112
14711PC1000	10-10115
14711PC6000	10-10192
14711PE0000	10-10188
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14711PM3000	10-10190
14711PNA000	10-03031

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14721P75000	10-10196
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14721PC6000	10-10193
14721PE0000	10-10189
14721PH1000	10-10193
14721PH3000	10-10196
14721PK2000	10-10414
14721PM3000	10-10191
14721PNA000	10-03032
14721PR3000	10-10435
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8941742050	21-1625-54
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8942067630	30-7714
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8970156100	21-1437-67
8970378020	21-1812-51
8971102560	10-10221S
8971319610	10-10739
8971319620	10-10740

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2211232961	21-1875-51
2211233901	21-1437-68
2211332961	21-1625-56
2211335901	21-1562-69
22114025000	30-3293
2211411050	30-7576
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2211423901	30-8573
221143C100	30-3152
2211511050	30-7577
2211522900	30-8573
2211522905	30-8573
2211523901	30-8567
2211533901	30-8194
2221102200	10-30102
2221102500	10-3043
2221102510	10-3043

Hyundai

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2221123600	10-10816
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2221126600	10-3065
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2221132600	10-10143
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2221135004	10-10624
2221135510	10-10500
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222113C810	10-13286
222113E000	10-10808
222113E050	10-13286
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2221223600	10-10817
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2221225002	10-13191
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2221232604	10-10144
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2221235500	10-10501
2221237200	10-10809
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222123E000	10-10809
222123E120	10-13287
2221242520	10-3186
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222213C105	32-2286
222213CAA0	32-2286
2222302500	34-5008
2222322001	34-5028
2222332004	34-716
2222425000	38-6101-55
2222425000	38-6101-55
222242G000	38-6101-55
222243CAA0	38-6103-55
2222623500	36-7090
222263C015	36-7107
222263CAA1	36-7107
222263CBA1	36-7107
2223137100	36-2289
2223137110	36-2289
22232G600	34-5008
2461022010	36-2254

 Interchanges Are For Reference Purposes Only

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Hyundai

2461022600	36-2254
2461032824	36-6000
2461033020	36-2274
2461033040	36-2274
2461033050	36-2274
MD079660	30-7578

International/Navistar

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1804535	36-2104
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1805407C1	30-7689
1805917C1	10-1542
1809323C1	10-1542
1810944C1	34-614
1811191C1	10-1542
1811191C2	10-1542
1811191C3	10-1542
1814280C1	10-1786
1814376C1	87-4376
1814424C1	10-1785
1816179C91	38-173-45
1816638C2	10-1754
1823452C1	10-1786
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1824644C1	34-04644
1828289	34-5009
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1837732C1	10-2180
1838034	32-04040
1841566	34-5005
1854006C1	10-13182
1854007C1	10-13183
1873916C2	74-6662
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232717R11	32-887-D
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312942C1	96-1500CCSG
3156157	34-766
317365C11	32-887-D
379089C1	20-2000-3N
387095C1	36-2011CCI
41338	34-613
41339D	34-613
42026D	34-555
444829C1	10-1260
446571C1	36-2011CCI
46209D	34-614
60437R1	34-802
61868R11	34-802
71339D	34-613
76951R1	34-613

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8941742231	10-10221S
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8941767091	30-8255
8941767170	30-8014
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8942169690	21-1750-62
8942171780	10-10087
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8943958830	10-13122
8943958880	22-1502-1
8943958881	22-1502-1
8943958882	22-1502-1
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8971713990	10-30156
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8971887460	55-6066
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8972098763	10-13122
8972098764	10-13122
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8973767191	30-3297
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8973797200	38-7002-55
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8980169730	10-3200
8980169741	10-3201
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94424506	30-8291
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9970104640	10-30151

Jaguar

C29124	21-1750-67
C29380	21-1500-71
C29383	21-1750-63
EAC3639	21-1750-63
EAC6435	21-1375-59
EAC6437	21-1500-76

Kia

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0K24712121	10-2197
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0K30E12111	10-2194
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2221137201	10-10808
2221237200	10-10809
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222243C100	38-6103-55
222243CAA0	38-6103-55
2223126011	36-2289
222422G000	38-6101-55

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2461033050	36-2274
K01312121	10-10815
OFE3P12121	10-10815
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LR025301	10-13480
LR030370	10-13482

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029012111D	10-10061
030512121	10-10060S
030512121A	10-10060S
037012113A	34-212
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37012113	34-212
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817312121	10-10060S
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AM0112121	10-10246S
AM15109V6	21-1625-56
AM1512111	10-10145
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BPY010290	30-8174
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CA112121	10-13226
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F20112121A	10-10163
F20212111	10-10162
F21012121A	10-10164
F21012121B	10-10164
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F57Z6510A	30-8274
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F80112111A	10-10236
F80112115A	32-1368
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FS0112111B	10-10562
FS0112111C	10-10562
FS0112114	34-212
FS0112121A	10-10563

Mazda

FS0112121B	10-10563
FS1212101	36-2276
FSY110280	30-8561
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G60112121	10-10244
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HE1910155	38-966-55
HE1912121	10-10060S
JE0112111	10-10245
JE0612121A	10-10246S
JE1512121	10-10246S
JE2612111	10-10247
JE2612121	10-10248
JEY210290	30-8541
JF0112100	36-2254
JFY112100	36-2254
KL0110155	38-998-45
KL0112101B	36-2276
KL0112111A	10-10550
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L3K912121C	10-13306
L3Y110281	30-3162
L80710155	38-6105-55
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LF0112111	10-2006
LF0112114	34-5024
LF0112121	10-2007
LF0112125	32-04059
LF0212114	34-5024
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ZZDA12111	10-2006
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ZZJ112111	10-13225
ZZJ112121	10-13226
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ZZL012121	10-10388
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ZZM012121	10-1597
ZZM012431	36-2012
ZZM023090	30-8274
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ZZM112113	34-619
ZZM112121	10-1535
ZZM112431	36-2205
ZZM312111	10-1743
ZZM312114	34-281
ZZM312121	10-1744
ZZM412310	74-6604

Mercedes Benz

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1170530232	21-1625-64
1170530531	21-1812-60
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5410532531	22-1882-1S
5419970345	87-1345
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6110530329	30-3255
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Mercedes Benz

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753388480	10-13321

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2211421900	30-7578
2211432901	30-7576
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2211532901	30-7575
2221124504	10-10136
2461032824	36-6000

Mitsubishi

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MD014619	10-10146
MD024499	10-10091S
MD024539	10-10091S
MD024638	10-10092
MD04667969	10-1730
MD04667972	10-1731
MD050523	30-7850
MD050527	30-7851
MD061895	34-813
MD083849	10-10145
MD083850	10-10146
MD083851	10-10146
MD092999	10-10146
MD096219	10-10625
MD126605	30-8193
MD149309	36-2274
MD149314	10-10497
MD162616	10-10499
MD168241	10-10501
MD172527	30-8554
MD172530	30-8571
MD184303	38-553-55
MD197467	38-964-55
MD198404	10-3187
MD198406	10-3186
MD198406	10-3187
MD300702	30-8554
MD301339	10-10624
MD301340	10-10625
MD306078	38-996-55
MD306079	38-996-55
MD307343	38-996-55
MD337687	36-2274
MD339767	36-6000
MD373855	10-3083
MD373888	10-3082
MD85253	10-10143
MD85254	10-10144
MN163286	10-13350
MN163799	10-13349
MN176597	10-30832
MN176598	10-30831
MN183952	38-6101-55
MN980085	38-9675-45
MR994497	10-3080
MR994498	10-3081

Nissan

11070Z5504	87-3322
1109801M00	21-1562-66
1109808UI0	21-1500-77
1109810W10	21-1812-56
1109816AI0	21-1500-69
1109840F60	21-1500-53
1109853F60	21-1500-74
1109853F61	21-1500-74
1109877A60	21-1250-50
1109897E60	21-1500-77
11098D2010	21-1750-64
11098F6510	21-1500-74
11098H7211	21-1500-52
11098H7503	21-1562-66
11098K0400	21-1812-50
11098N6810	21-1812-50
11098U8710	21-1812-51
11098U8711	21-1812-51
11098V0700	21-1687-53

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11098V5210	21-1812-55
11098V5211	21-1812-55
11098V7010	21-1687-53
1109910W10	21-1625-60
1109916A10	21-1375-55
1109921011	21-1500-53
1109940F60	21-1687-56
1109953F60	21-1312-52
1109953J60	21-1250-57
1109953Y60	21-1062-50
1109953Y61	21-1062-50
1109960u60	21-1375-60
1109984A60	21-1375-51
1109988A60	21-1375-51
1109997E60	21-1312-52
11099A8610	21-1500-53
11099D4210	21-1250-56
11099H6210	21-1312-52
11099V5210	21-1500-68
11099W0410	21-1625-53
1201030W01	30-7828
1201083W01	30-7828
1320100QAA	10-3002
1320101M00	10-10251
132010B000	10-10281
132010Z800	10-2181
132011AT0A	10-30844
132011E700	10-10228
132011EJ00	10-10228
132011KT0A	10-13233
1320124W00	10-09571
132012J200	10-10794
132012J201	10-10794
132012J202	10-10794
132012W20A	10-30122
1320130P00	10-10284
1320131M00	10-10255
132013Z00A	10-3180
1320140F00	10-10273
1320140F10	10-10273
1320140F11	10-10274S
132014JM0A	10-3180
132014JM0A +ST	10-3180S
132014W001	10-03029
13201515GO	10-09571
1320153F01	10-10226
1320153F02	10-10226
1320153J00	10-10228
1320153Y00	10-10224
1320155M01	10-10257
1320155M10	10-10257
1320157Y00	10-10224
132015JJ0A	10-30106
132015JJ0A	10-30106S
132016529R	10-30856
1320169A00	10-10255
1320170N00	10-10224
132017S000	10-03029
1320184A00	10-10259
132019E000	10-10792
132019N00A	10-13220
13201AD201	10-30112
13201AD210	10-30112
13201AD21A	10-30112
13201BN300	10-30112
13201BO3GO	10-10251
13201D0200	10-10272
13201D2000	10-10270
13201EB300	10-30112
13201EB70A	10-30112
13201ED000	10-13233
13201ED00A	10-13233

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13201ED00C	10-13233
13201EN20A	10-3086
13201EN20B	10-3086
13201EN20C	10-13398
13201EN20D	10-13398
13201EZ40A	10-13475
13201F6510	10-10284
13201F6511	10-10284
13201H6200	10-10031
13201JA00A	10-13079
13201JG30A	10-13079
13201JK20A	10-13220
13201JK20B	10-13220
13201N8501	10-10268
13201OM200	10-10224
13201P7900	10-10277
13201V5202	10-10281
13201V7100	10-10281
13201VJ200	10-10792
13201Z5501	10-30157
13201Z5501K	10-30157
1320201M00	10-10252
1320205M00	10-10252
1320208000	10-09542
132020M200	10-10536
132020Z800	10-2182S
1320216A00	10-10262S
1320216A01	10-10262S
132021AT0A	10-30843
1320224W00	10-09572
132022J201	10-10795
132022J202	10-10795
132022W200	10-30123
1320230P00	10-10285S
1320231M00	10-10256
1320238U00	10-10538
132023TA1B	10-30107
132023Z000	10-3181
132023Z11A	10-3181
1320240F01	10-10274S
1320240P00	10-10285S
1320242E00	10-10282
132024JM0A	10-3181
132025069R	10-30855
1320250A00	10-10252
13202515GO	10-09572
1320253F00	10-10227S
1320253F01	10-10227S
1320253Y00	10-10225
1320257Y00	10-10225
132025JJ0A	10-30107
1320264M00	10-10258
1320264M10	10-10258
1320267U00	10-10286S
1320267UO1	10-10286S
1320269A00	10-10256
1320271J00	10-10225
132027S000	10-03030
132027S01A	10-03030
1320284A00	10-10260S
132028J10A	10-03030
132028J110	10-03030
132028J111	10-03030
132029E000	10-10793S
132029N00A	10-13221
13202AD200	10-30113
13202AD20A	10-30113
13202BN300	10-30113
13202BO3GO	10-10252
13202D0100	10-10271
13202D1200	10-10271
13202D2800	10-10262S

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13202D4201	10-10258
13202EB300	10-30113
13202EB70A	10-30113
13202EB70B	10-30113
13202ED000	10-13234
13202ED00C	10-13234
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13202EN20B	10-3087
13202EN20C	10-13399
13202EN20D	10-13399
13202EZ40B	10-13476
13202JA00A	10-13080
13202JA10A	10-13221
13202JA15A	10-13080
13202JG30A	10-13080
13202JK21A	10-13221
13202JK21B	10-13221
13202N8500	10-10269
13202P7900	10-10278S
13202P7901	10-10278S
13202V0701	10-10280S
13202V5210	10-10282
13202V6510	10-10282
13202VJ200	10-10793S
13202Z5501K	10-30158
1320701M00	38-988-55
1320701M01	38-988-55
132070B000	38-985-55
1320721002	38-962-45
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1320753F00	38-985-55
1320753Y00	38-53-45
1320755Y00	38-53-45
1320777A00	38-518-45
1320781W00	38-962-45
13207CJ40A	38-6138-55
13207D0100	38-985-55
13207D0111	38-985-55
13207D4200	38-994-55
13207D4201	38-994-55
13207ED000	38-6138-55
13207EZ40A	38-6512-55
13207H7200	38-961-55
1321001M00	34-5007
1321001M01	34-5007
1321040F00	34-5010
1321053Y00	34-5012
13210D4200	34-5010
13210ZX00G	34-5012
13211AA030	38-1321-55
13211V1700	30-8209
13211Z5500	30-3301
1321201M01	30-7825
1321201M11	30-7825
1321215M01	30-7825
1321215M11	30-7825
1321221011	30-7499
1321240F60	30-8211
1321253460	30-8218
1321253J60	30-8216
1321253Y60	30-8213
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1321277A60	30-8214
13212B16U003	30-3244
13212D0110	30-7826
13212D0111	30-7826
13212ED060	30-3290
13212EN20A	30-3244
13212H2311	30-7545
13212H8510	30-7545
13212V5010	30-7873

Nissan

13212V5011	30-7873
13212V5011	30-8388
13212W0510	30-7828
13212ZJ80A	30-3244
1321301M11	30-8192
1321321011	30-7499
1321331U60	30-8217
1321340F60	30-8212
1321344F60	30-8217
1321353F60	30-8204
1321353Y60	30-8218
13213D0111	30-8233
13213ED060	30-3290
13213EN260	30-3245
13213F6560	30-8544
13213H2311	30-7542
13213U0110	30-7499
13213V5010	30-8389
13213W0410	30-7828
13213W0510	30-7828
13213ZJ80A	30-3245
13214Y5200	21-1562-68
1323100QAA	36-7114
1323153F02	36-2286
1323153Y01	36-2284
13231V5004	36-2198
13231V5014	36-2198
1325740F02	40-9097
1325740F03	40-9098
1325740F06	40-9097
1325740F07	40-9098
1325740F12	40-9099
1325740F13	40-9100
1325740F16	40-9099
1325740F17	40-9100
332010M200	10-10224
7701465088	10-30147
F3XY6210A	30-8388
F3XY6510B	30-8389

Peugeot

094891	10-30116
0948A9	10-30126
0948C7	10-30836
0948E6	10-13445
0948F1	10-30840
0948F7	10-30834
0948G7	10-30840
094959	10-30117
0949A8	10-30127
0949C3	10-30835
0949C5	10-30127
0949E3	10-13446S
0949E6	10-30839
0949F5	10-30833
0949G1	10-30839
7420441945	10-30127
7420459326	10-30126
948E0	10-30126
9636298080	10-30126
9639417980	10-30127

Renault

132268294R	10-30856
132276697R	10-30855
7700107555	36-7114
7700109840	38-9675-45
7700273371	10-30147
7700865832	10-30148
7700865934	10-30148
7701465088	10-30147

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Renault

7701465090	10-30148
7701468419	10-30148
7701471279	10-03035
7701471280	10-03036
7701471378	10-3002
7701471379	10-3003
7701472124	10-3002
7701473101	10-03036
7701473354	10-3003
7701473355	10-3003
7701474287	10-03035
7701475894	10-30148
7701475895	10-30147
7701478130	10-03036
8201705201	10-30856
8201705203	10-30855

Saab

10214664	40-2902
12575197	34-5032
4500864	10-2040S
90537032	32-04060

Smart

1350530001	10-3224
1350530005	10-3225

Sterling

12212290061	10-10195

Studebaker

1563982	10-399
1564157	10-400
1565711	10-400

Subaru

13120AA110	36-2254
13201AA080	10-10299
13201AA081	10-10299
13201AA082	10-10299
13201AA340	10-13139S
13201AA361	10-10806
13201AA371	10-13201
13201AA391	10-13201
13201AA400	10-13201
13201AA493	10-3048
13201AA522	10-13259
13201AA550	10-13261
13202AA371	10-10807
13202AA401	10-13203S
13202AA411	10-13203S
13202AA502	10-3047
13202AA530	10-13260
13202AA590	10-13262
13202AA660	10-13203S
13210AA020	34-5035
13210KA031	34-5034
13211KA001	38-1321-55
13212AA040	30-8203
13212AA090	30-8564
13212AA100	30-8565
13212AA130	30-3118
13212AA150	30-3218
13213AA040	30-8145
13213AA100	30-8565
13213AA120	30-3119
13213AA140	30-3219
13230AA110	36-2254
3809002100	30-8145
380902100	30-8145

Subaru

3809102100	30-8146
380912100	30-8146
4809101300	30-8145
480911300	30-8145
880904410	30-8143

Suzuki

1111560B11001	30-8324
1111562D00001	30-8144
1111582000001	30-8016
1111582000001	30-8144
1111585FA0001	30-8566
1111586500001	30-8016
1284078J00	40-3901
1289186511	36-2272
1289186512	36-2272
1289186521	36-2272
1291160A10	10-10172
1291160B20	10-10169
1291165J00	10-13197
1291165J01	10-13197
1291171C00	10-10516
1291178K00	10-13215
1291182000	10-10103
1291182010	10-10103
1291182Z00	10-3180
1291182Z10	10-03029
1291186FA0	10-10786
1291186FA1	10-10786
1291560A00	10-10173
1291560A50	10-10173
1291560B20	10-10170
1291560B70	10-10170
1291565J01	10-13198
1291571C00	10-10517
1291571C50	10-10517
1291578J00	10-13335
1291578J10	10-13335
1291578K00	10-13216
1291582000	10-10302
1291582001	10-10302
1291582050	10-10302
1291582062	10-10302
1291582Z00	10-3181
1291582Z10	10-03030
1291582Z30	10-3181
1291585FAI	10-10787S
1291586500	10-10304
1291586510	10-10304
1291586F50	10-10787S
1291984A00	38-9675-45
1292178J00	32-5001
1292178J01	32-5001
1293278J00	34-5032
1293282000	34-5009
1293282Z00	34-5012
1293285FA0	34-5022
1293378J00	38-6036-55
5862021850	34-5008
928905012	38-701-45
928906003	38-998-45
928907005,2	38-700-45
928907007	38-700-45

Toyota

1112210040	30-8195
1112215030	30-8147
1112216010	30-8038
1112216020	30-8038
1112220020	30-8584
1112222020	30-7541

Toyota

1112225021	30-7540
1112231050	30-3134
1112235020	30-7523
1112238020	30-7523
1112238021	30-7523
1112254011	30-8196
1112260020	30-7532
1112260020	30-7528
1112261011	30-7528
1112261011	30-7532
1112265020	30-8207
1112266020	30-8586
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1112615011	30-8021
1112615020	30-8021
1112616020	30-8585
1112620020	30-8585
1112631030	30-3135
1112650040	30-8273
1112650050	30-8273
1112660021	30-7529
1112660021	30-7527
1112660021U10	30-7529
1112661011	30-7529
1113111020	21-1187-52
1113115010	21-1500-71
1113115020	21-1500-71
1113135010	21-1937-52
1113135011	21-1937-52
1113138010	21-1812-53
1113143010	21-1750-63
1113162020	21-1375-50
1113163010	21-1687-55
1113165010	21-1750-68
1113174010	21-1437-67
1113174020	21-1375-56
1113176020	21-1562-66
1113511020	21-1062-50
1113513010	21-1250-50
1113515030	21-1062-50
1113535010	21-1562-67
1113538010	21-1500-61
1113542010	21-1187-52
1113546020	21-1250-58
1113546050	21-1250-58
1113550020	21-1250-58
1113560010	21-1625-58
1113562020	21-1187-53
1113563010	21-1437-66
1113565010	21-1562-72
1113565011	21-1562-72
1113574010	21-1250-55
1113574020	21-1187-51
1113574030	21-1187-51
1113576020	21-1312-67
1113576040	21-1312-67
1113711020	21-1062-50
1115650040	30-8273
1371101010	10-10107
1371103020	10-10421
137110D010	10-10780
137110F010	10-10737
137110H010	10-10798
137110P010	10-13086
137110T010	10-13365
1371110020	10-10310
1371115010	10-10107
1371115090	10-10506
1371116010	10-10176
1371116060	10-10506

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1371120020	10-10552
1371121010	10-2241
1371122030	10-10735
1371122040	10-10780
1371124011	10-10307
1371125011	10-10072
1371128020	10-10798
1371131070	10-13088
1371131100	10-13086
1371131101	10-13086
1371134030	10-10018
1371134031	10-10018
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1371137020	10-13365
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1371150060	10-10737
1371160021	10-10070
1371161010	10-10070
1371161020	10-10070
1371162020	10-10332S
1371162030	10-10305
1371165010	10-10339S
1371171010	10-10322
1371174080	10-10421
1371175050	10-10321
1371175060	10-10321
1371175110	10-3088
1371188360	10-10324S
1371188361	10-10324S
1371188362	10-10325
1371188600	10-2177
13711F0010	10-30532
137150D010	10-10781
137150H010	10-10799
137150H030	10-10799
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137150P030	10-13087
137150S020	10-13087
137150T010	10-13366
1371510030	10-10311
1371511030	10-10138
1371515010	10-10106
1371515030	10-10315
1371515050	10-10315
1371515070	10-10507
1371516060	10-10507
1371520020	10-10553S
1371520030	10-10553S
1371522030	10-10736
1371524012	10-10308
1371524013	10-10308
1371524030	10-10308
1371525011	10-10071
13715288FL	10-10799
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1371531140	10-13087
1371534010	10-10024S
1371534011	10-10024S
1371534012	10-10024S
1371534020	10-10024S
1371534022	10-10024S
1371534030	10-10024S
1371534031	10-10024S

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1371534032	10-10024S
1371534033	10-10024S
1371534034	10-10024S
1371534050	10-10024S
1371535010	10-10330
1371535020	10-10330
1371535030	10-10330
1371537030	10-13366
1371538010	10-10037
1371538011	10-10037
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1371538023	10-10037
1371538050	10-10037
1371542010	10-10338S
1371560032	10-10069
1371561010	10-10069
1371561030	10-10069
1371562020	10-10333
1371562030	10-10306S
1371562050	10-10306S
1371565010	10-10340
1371571010	10-10323
1371575040	10-10474
1371575050	10-10474
1371575100	10-3089
1371575110	10-3089
1371575140	10-3089
1371576020	10-10474
1371576030	10-10474
1371588360	10-10326S
137500P010	36-7082
137500P020	36-7082
1375071010	36-6005
1375071020	36-6005
1375174020	36-2299
13801351010	40-9106
1381138010	40-9106
9004812019	38-475-45
9008031043	38-210-55
9008031044	38-310-55
9008031046	38-310-55
9008031102	38-310-55
9050145025	32-1405
9050147001	32-1135
90501A0139	32-5508
90501A0141	32-5507
9091302024	38-981-25
9091302038	38-475-45
9091302053	38-967-55
9091302057	38-981-25
9091302058	38-981-25
9091302062	38-475-45
9091302064	38-967-55
9091302066	38-475-45
9091302079	38-475-45
9091302080	38-981-25
9091302081	38-475-45
9091302085	38-475-45
9091302086	38-475-45
9091302087	38-475-45
9091302088	38-475-45
9091302088	38-998-45
9091302089	38-475-45
9091302090	38-475-45
9091302090	38-998-45
9091302091	38-480-45
9091302094	38-981-25
9091302095	38-537-45
9091302096	38-967-55
9091302101	38-210-55
9091302101	38-310-55
9091302103	38-120-45

Toyota

9091302103	38-998-45
9091302105	38-967-55
9091302113	38-310-55
9091302114	38-210-55
9091303005	34-811
9091303014	34-5005
9091303021	34-5011
9091303028	34-5023
9091303028	34-5023
9091320115	38-310-55
90913A3001	34-5023
94840062	10-10107
94840063	10-10106
94847881	30-8147

Volkswagen/Audi

021109611D	10-10557S
022109423A	36-7092
022109423D	36-7092
022109601G	10-13312
022109601H	10-13310
022109611N	10-13313
022109611P	10-13311
026109601C	10-10350S
026109675	38-978-55
027103419	31-03419
027103419	30-8139
027109601	10-10353S
027109601C	10-10353S
027109611D	10-10355S
027109675	38-978-55
028109601H	10-3076
028109611G	10-10732S
032109601M	10-3190
032109611L	10-3191
034109309AD	36-2251
034109611B	10-10356S
035109601C	10-09658
035109611F	10-09599
036109601AD	10-30110
036109601AK	10-30110
036109601S	10-30110
036109611AE	10-30111
036109611K	10-30111
036109651A	34-5021
036109675	38-9675-45
036109675A	38-9675-45
037103419B	30-8558
037109601	10-10733
037109611B	10-10734S
038109601B	10-3078
038109601E	10-13337
038109611B	10-3079
038109611E	10-13338S
038109611F	10-3079
03C109601J	10-30110
03C109601M	10-30110
03C109611G	10-30111
03C109611R	10-30111
03C109612	10-30111
03L109601	10-30128
03L109611	10-30129
03L109611A	10-30129
043109611	10-09561
045109601	10-3078
045109611	10-3079
046109601J	10-3076
046109611F	10-3077
048109611A	10-10356S
048109611B	10-10734S
049103419	30-7852

Volkswagen/Audi

04B109611	10-30129
04L106911A	10-30129
04L109601	10-30128
04L109601B	10-30128
04L109611A	10-30129
053109611	10-10356S
056103419A	30-7359
057109675	38-9675-45
058109309E	36-7075
058109309F	36-7076
058109601C	10-10804S
058109611E	10-10805S
058109611M	10-10803S
06D109601K	10-3094
06D109601M	10-3094
06D109611H	10-3095
06D109611K	10-3095
06D109611L	10-3095
06D109611T	10-3095
06E109601E	10-13314
06E109601Q	10-3096
07109601Q	10-3182
07109611S	10-3183
078109601A	10-10733
078109601B	10-10733
078109611B	10-10734S
078109611E	10-10733
113109601D	10-09560
113109651A	34-619
12576138	30-7359
126109601	10-10351
126109601D	10-10351
36109675A	38-9675-45
7B0109423A	36-7561

Volvo

12181368	21-1562-71
12181822	21-1812-59
12570586	32-1242
12664199	21-1562-78
13066303	30-8552
20510747	34-00515
30711497	10-30835
30711498	10-30836
31330181	10-30834
31330182	10-30833
35017755	38-978-55
35476035	30-8551
4196523	30-8553
8631652	38-9675-45

Abbreviations

Abbreviation	*Meaning*
#	Number
“	Inch(es)
8V, 16V, 24V	8, 16, 24 Valve
2BC	Two Barrel Carburetor
2WD	Two Wheel Drive
4BC	Four Barrel Carburetor
4WD	Four Wheel Drive
A/C	Air Conditioning
A/R	As Required
ACERT	Advanced Combustion Emissions Reduction Technology
Addl.	Additional
Alt.	Alternator
Alum.	Aluminum
Amp.	Amperage
Appl.	Application
Assy.	Assembly
Auto.	Automatic
Avail.	Available
C.F.I.	Central Fuel Injection
C.I. / CI	Cubic Inch
Calif.	California
cc	Cubic Centimeters
Comp.	Component
CNG	Compressed Natural Gas
Cyl.	Cylinder(s)
D	Diesel
Deg.	Degree
Des.	Design
Dia.	Diameter
Dir.	Direct
DOD	Displacement On Demand
DOHC	Double Overhead Cam
EFI	Electronic Fuel Injection
EGR	Exhaust Gas Recirculation
Emis.	Emission
Eng.	Engine(s)
Exc.	Except
Exh	Exhaust
F.I.	Fuel Injection
FWD	Front Wheel Drive
GM	General Motors
G.V.W.	Gross Vehicle Weight
H.D.	Heavy Duty
H.O.	High Output
H.P.	Horse Power
Hi.	High
HSC	High Swirl Combustion
Hyd.	Hydraulic
I.D.	Inside Diameter
Incl.	Includes
Ind.	Indirect
Inj.	Injection

Abbreviation	*Meaning*
INJ	Injector Tube
Int	Intake
L	Liter
L.D.	Light Duty
LH	Left Hand
LPG	Liquid Petroleum Gas
M.D.	Medium Duty
Man.	Manual
Mang.	Manganese
Mfg.	Manufacture(d)
Mod.	Modification
N.A.	Naturally Aspirated
OAL	Overall Length
O.D.	Outside Diameter
OHV	Overhead Valve
O/S	Oversize
OEM	Original Equipment Manufacture
Olds.	Oldsmobile
Opt.	Optional
Perf.	Performance
Pkg.	Package
Plym.	Plymouth
PM Matl.	Powdered Metal Material
Pont.	Pontiac
psi	Pounds Per Square Inch
Qt.	Quart
RH	Right Hand
RWD	Rear Wheel Drive
S/C	Supercharged
S/N	Serial Number
Ser.	Series
SOHC	Single Overhead Cam
Sps.	Supersedes / Superseded By
Std.	Standard
T	Tapered
Trans.	Transmission
TRB	Turbo
VIN	Vehicle Identification Number
Vol.	Volume
VVT	Variable Valve Timing
w/	With
w/o	Without

NON-STOCKED PRODUCTS

QualCast has many years of experience and a large network of factories that we partner with to produce an extensive range of engine parts, some of which are listed below. We accept special orders subject to minimum production order quantites and lead times. We welcome your enquires.

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- Cylinder Sleeves (Centrifugally Cast)
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* Heavy duty bare cylinder heads

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* CNC Series Cylinder Heads
* Black Lightning Racing Valves
* Performance Valve Train Components
* Cylinder Head Kits with Performance Heads and Valve Train

Measurement Equivalents

FRACTION	DECIMAL	MILLIMETERS
1/64	.01563	.3969
1/32	.03125	.7938
	.03937	1.0000
3/64	.04688	1.1906
1/16	**.06250**	**1.5875**
5/64	.07813	1.9844
	.07874	2.0000
3/32	.09375	2.3813
7/64	.10938	2.7781
	.11811	3.0000
1/8	**.12500**	**3.1750**
9/64	.14063	3.5719
5/32	.15625	3.9688
	.15748	4.0000
11/64	.17188	4.3656
3/16	**.18750**	**4.7625**
	.19685	5.0000
13/64	.20313	5.1594
7/32	.21875	5.5563
15/64	.23438	5.9531
	.23622	6.0000
1/4	**.25000**	**6.3500**
17/64	.26563	6.7469
	.27559	7.0000
9/32	.28125	7.1438
19/64	.29688	7.5406
5/16	**.31250**	**7.9375**
	.31496	8.0000
21/64	.32813	8.3344
11/32	.34375	8.7313
	.35433	9.0000
23/64	.35938	9.1281
3/8	**.37500**	**9.5250**
25/64	.39063	9.9219
	.39370	10.0000
13/32	.40625	10.3188
27/64	.42188	10.7156
	.43307	11.0000
7/16	**.43750**	**11.1125**
29/64	.45313	11.5094
15/32	.46875	11.9063
	.47244	12.0000
31/64	.48438	12.3031
1/2	**.50000**	**12.7000**

FRACTION	DECIMAL	MILLIMETERS
	.51181	13.0000
33/64	.51563	13.0969
17/32	.53125	13.4938
35/64	.54688	13.8906
	.55118	14.0000
9/16	**.56250**	**14.2875**
37/64	.57813	14.6844
	.59055	15.0000
19/32	.59375	15.0813
39/64	.60938	15.4781
5/8	**.62500**	**15.8750**
	.62992	16.0000
41/64	.64063	16.2719
21/32	.65625	16.6688
	.66929	17.0000
43/64	.67188	17.0656
11/16	**.68750**	**17.4625**
45/64	.70313	17.8594
	.70866	18.0000
23/32	.71875	18.2563
47/64	.73438	18.6531
	.74803	19.0000
3/4	**.75000**	**19.0500**
49/64	.76563	19.4469
25/32	.78125	19.8438
	.78740	20.0000
51/64	.79688	20.2406
13/16	**.81250**	**20.6375**
	.82677	21.0000
53/64	.82813	21.0344
27/32	.84375	21.4313
55/64	.85938	21.8281
	.86614	22.0000
7/8	**.87500**	**22.2250**
57/64	.89063	22.6219
	.90551	23.0000
29/32	.90625	23.0188
59/64	.92188	23.4156
15/16	**.93750**	**23.8125**
	.94488	24.0000
61/64	.95313	24.2094
31/32	.96875	24.6063
	.98425	25.0000
63/64	.98438	25.0031
1	**1.00000**	**25.4000**

INCHES X 25.4 = MILLIMETERS
MILLIMETERS X .03937 = INCHES
CU. IN. X 16.38716 = C.C.
LITRES X 61.023 = CUBIC INCHES

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