

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
120 C.I. (2.0L) Industrial		L4	9
2195cc (2.2L) 8V (GM) Vin 4, 5, LN2, Gas, Flex	1996-00	L4	10
2196cc (2.2) DOHC 16V MFI X22SE Vin D	1998-03	L4	11
2238cc (2.2L) SOHC Diesel C223 Vin S	1981-87	L4	12
2238cc (2.2L) SOHC Turbo Diesel C223T	1986-87	L4	13
4BD1T & 4BD2T Industrial 2.2L		L4	14
2254cc (2.3L) SOHC Carb. 8V 4ZD1 Vin L	1986-95	L4	15
2254cc (2.3L) SOHC F.I. 8V 4ZD1	1988-89	L4	16
2254cc (2.3L) SOHC 16V (VTEC Honda)	1998-99	L4	17
2369cc (2.4L) C240 Forklift		L4	18
2559cc (2.6L) SOHC 8V 4ZE1 Vin E	1988-97	L4	19
2770cc (2.8L) DOHC 16V (GM Vortec) Vin 8	2006-06	L4	20
2827cc (2.8L) 12V (GM) LL2 Vin R	1989-91	V6	21
2921cc (2.9L) DOHC 16V Vin 9 (GM)	2007-08	L4	22
6BG1 Industrial 3.0L		L6	23
3137cc (3.1L) 12V (GM) Vin Z CPC	1991-94	V6	24
3165cc (3.2L) SOHC 24V 6VD1, V	1992-97	V6	25
3165cc (3.2L) DOHC 24V 6VD1W,2	1992-04	V6	26
3460cc (3.5L) DOHC 20V Vin 6 (GM Vortec)	2006-06	L5	27
3491cc (3.5L) DOHC 24V 6VE1 Vin X, Y	1998-04	V6	28
3651cc (3.7L) DOHC 20V Vin E (GM)	2007-08	L5	29
6BD1T & 6BD2T Industrial 3.9L		L6	30
256 C.I. (4.2L) DOHC 24V (GM Vortec) Vin S	2003-08	L6	31
262 C.I. (4.3L) (GM) Vin W, X (LB4, LF6)	1997-00	V6	32
290 C.I. (4.8L) SOHC 8V 4HE1 Turbo Diesel Dir. Inj.		L4	33
5328cc (5.3L) OHV 16V (GM Vortec) Vin C,M,P	2003-06	V8	34
6SD1 Industrial		L6	35
435 C.I. (7.1L) SOHC 12V 6HE1 Turbo Diesel Dir. Inj.		L6	36
6SA1T Industrial 8.4L		L6	37

COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 1</b>	<b>1471cc (1.5L) SOHC 8V 4XC1, 4XC1T Turbo Vin 9,7,K</b>			<b>1985-89 L4 BORE - 77mm/3.00"</b>
Valve	Exh	1985-89	10-10104	1.220 Head Dia. 0.274 Stem
	Exh	1985-89	10-10210S	1.220 Head Dia. Stellite for Turbo
	Int	1985-89	10-10105	1.415 Head Dia. 0.2742 Stem
Valve Seat Insert	Exh	1985-89	21-1312-61	1.060T I.D. 1-5/16 O.D. 0.275 Depth
	Int	1985-89	21-1562-70	1.180T I.D. 1-9/16 O.D. 0.305 Depth
Guide	Exh	1985-89	30-8015	1.970 OAL. +2 O/S Avail.
	Int	1985-89	30-8014	1.695 OAL. +2 O/S Avail.
Spring	Both	1985-89	32-1522	OEM # 94251079
Keeper	Both	1985-89	34-5001	1 Round Groove
Valve Stem Seal	Both	1985-89	38-980-45	Viton. Metal Clad.
Water Pump		1985-89	90-5031	I-Mark
Expansion Plug Kit		1985-89	97-0214	Steel Kit. Brass Kit Avail. In Suffix B

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 2</b>	<b>1588cc (1.6L) SOHC 12V 4XE1 Vin 6</b>		<b>1991-93 L4</b>	<b>BORE - 80mm/3.15"</b>
Valve	Exh	1991-93	<b>10-10181</b>	1.260 Head Dia. 0.2346 Stem
	Int	1991-93	<b>10-10179</b>	1.102 Head Dia. 0.2347 Stem
Valve Seat Insert	Exh	1991-93	<b>21-1375-51</b>	1.060T I.D. 1-3/8 O.D. 0.280 Depth
	Int	1991-93	<b>21-1187-52</b>	0.934T I.D. 1-3/16 O.D. 0.257 Depth.
Guide	Exh	1991-93	<b>30-8255</b>	1.775 OAL
	Int	1991-93	<b>30-8189</b>	1.650 OAL
Keeper	Both	1991-93	<b>34-5018</b>	1 Round Groove
Valve Stem Seal	Both	1991-93	<b>38-520-45</b>	Viton. Metal Clad.
Water Pump		1991-93	<b>90-9221</b>	Stylus
Expansion Plug Kit		1991-93	<b>97-168</b>	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 3</b>	<b>1588cc (1.6L) DOHC 16V 4XE1W, 4XE1WT Turbo Vin 5</b>		<b>1989-92 L4</b>	<b>BORE - 80mm/3.15"</b>
Valve	Exh	1989-92	<b>10-10180S</b>	1.102 Head Dia.
	Int	1989-92	<b>10-10178</b>	1.220 Head Dia. 0.235 Stem
Valve Seat Insert	Exh	1989-92	<b>21-1187-52</b>	0.934T I.D. 1-3/16 O.D. 0.257 Depth.
	Int	1989-92	<b>21-1312-52</b>	1.060T I.D. 1-5/16 O.D. 0.240 Depth
Guide	Exh	1989-92	<b>30-8255</b>	1.775 OAL
	Int	1989-92	<b>30-8189</b>	1.650 OAL
Keeper	Both	1989-91	<b>34-5018</b>	1 Round Groove
Lifter	Both	1990-92	<b>36-7002</b>	Impulse, Stylus. Hydraulic
Valve Stem Seal	Both	1989-92	<b>38-520-45</b>	Viton. Metal Clad.
Water Pump		1989-89	<b>90-9160</b>	89: I-Mark
		1991-91	<b>90-9220</b>	Stylus
Expansion Plug Kit		1989-92	<b>97-168</b>	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 4</b>	<b>1809cc (1.8L) DOHC 16V 4XF1 Vin 8</b>		<b>1992-93 L4</b>	<b>BORE - 80mm/3.15"</b>
Valve	Exh	1992-93	<b>10-10180S</b>	1.102 Head Dia.
	Int	1992-93	<b>10-10178</b>	1.220 Head Dia. 0.235 Stem
Valve Seat Insert	Exh	1992-93	<b>21-1187-52</b>	0.934T I.D. 1-3/16 O.D. 0.257 Depth.
	Int	1992-93	<b>21-1312-52</b>	1.060T I.D. 1-5/16 O.D. 0.240 Depth
Guide	Exh	1992-93	<b>30-8255</b>	1.775 OAL.
	Int	1992-93	<b>30-8189</b>	1.650 OAL.
Keeper	Both	1992-93	<b>34-5018</b>	1 Round Groove
Lifter	Both	1992-93	<b>36-7002</b>	Impulse, Stylus. Hydraulic
Valve Stem Seal	Both	1992-93	<b>38-537-45</b>	Viton. Metal Clad.
	Both	1992-93	<b>38-998-45</b>	Viton. Metal Clad.
Water Pump		1992-93	<b>90-9221</b>	92: Impulse. 92-93: Stylus.
<b>LINE 5</b>	<b>1817cc (1.8L) SOHC Diesel 4FB1 Vin B, P</b>		<b>1981-84 L4</b>	<b>BORE - 84mm/3.307"</b>
Valve	Exh	1981-84	<b>10-10100S</b>	1.335 Head Dia.
	Int	1981-84	<b>10-10101S</b>	1.535 Head Dia.
Valve Seat Insert	Exh	1981-84	<b>21-1437-64</b>	1.100T I.D. 1-7/16 O.D. 0.227 Depth
	Int	1981-84	<b>21-1625-61</b>	1.305T I.D. 1-5/8 O.D. 0.227 Depth
Guide	Exh	1981-84	<b>30-7714</b>	2.160 OAL. +2 O/S Avail.
	Int	1981-84	<b>30-7713</b>	1.810 OAL. +2 O/S Avail.
Valve Stem Seal	Both	1981-84	<b>38-962-45</b>	Viton. Ring And Spring.
Water Pump		1981-83	<b>90-5009</b>	I-Mark to 2/83

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 5</b>	<b>1817cc (1.8L) SOHC Diesel 4FB1 Vin B, P</b>		<b>1981-84 L4</b>	<b>BORE - 84mm/3.307"</b>
Expansion Plug Kit		1981-84	97-0202	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 6</b>	<b>1817cc (1.8L) SOHC 8V G180Z Vin B, N</b>		<b>1981-85 L4</b>	<b>BORE - 84mm/3.307"</b>
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.
	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.
Spring	Both	1981-82	32-1130	1.850 Free Length. Outer
	Both	1981-85	32-1131	1.780 Free Length. Inner
	Both	1983-85	32-1310	1.900 Free Length. OEM # 8-94259-483-0
Keeper	Both	1981-84	34-819	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1981-85	38-962-45	Viton. Ring And Spring.
Water Pump		1981-85	90-1127	I-Mark, Pickup.
Expansion Plug Kit		1981-85	97-0202	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 7</b>	<b>1949cc (1.9L) SOHC 8V G200Z Vin A</b>		<b>1983-87 L4</b>	<b>BORE - 87mm/3.40"</b>
Valve	Exh	1983-87	10-10086	1.339 Head Dia. Impulse
	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.
	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.
	Int	1983-87	30-7713	1.810 OAL. +2 O/S Avail.
Spring	Both	1983-87	32-1310	1.900 Free Length. OEM # 8-94259-483-0
Keeper	Both	1983-87	34-819	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1983-87	38-962-45	Viton. Ring And Spring.
Water Pump		1983-87	90-1127	83-87: Impulse, Pickup. 84-85: Trouper/II
Expansion Plug Kit		1983-87	97-0202	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 8</b>	<b>1994cc (2.0L) SOHC 8V Turbo 4ZC1 Vin F</b>		<b>1985-89 L4</b>	<b>BORE - 88mm/3.40"</b>
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.
	Int	1985-89	21-1750-51	1.410T I.D. 1-3/4 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.
Spring	Both	1985-89	32-1310	1.900 Free Length. OEM # 8-94259-483-0
Keeper	Both	1985-89	34-819	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1985-89	38-962-45	Viton. Ring And Spring.
Water Pump		1985-89	90-9106	Impulse
<b>LINE 9</b>	<b>120 C.I. (2.0L) Industrial</b>		<b>L4</b>	<b>BORE - 3.937"/100mm</b>
Guide	Both		30-8125	2.990 OAL

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 10</b>	<b>2195cc (2.2L) 8V (GM) Vin 4, 5, LN2, Gas, Flex</b>		<b>1996-00 L4</b>	<b>BORE - 3.50"/88.9mm</b>
Valve	Exh	1996-97	10-1737	1.457 Head Dia. 5.142 OAL. +3 & +15 O/S Avail.
	Exh	1998-00	10-1903	1.457 Head Dia. 5.000 OAL. 0.2738 Stem Dia. +3, 15 O/S May Be Avail.
	Int	1996-97	10-1736	1.732 Head Dia. 5.465 OAL. +3 & +15 O/S Avail.
	Int	1998-00	10-1902	1.732 Head Dia. 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 OAL, 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.
Water Pump		1996-00	90-5032	Hombre
		1998-00	90-9375	98-00: Amigo
<b>LINE 11</b>	<b>2196cc (2.2) DOHC 16V MFI X22SE Vin D</b>		<b>1998-03 L4</b>	<b>BORE 86.1mm/3.39"</b>
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. Manganese Bronze 31-3011 Also Avail.
	Int	1998-03	30-3010	1.773 OAL. Manganese Bronze 31-3010 Also Avail.
Spring	Both	1998-03	32-2488	1.673 Free Length
Keeper	Both	1998-03	34-5021	3 Round Grooves
Lifter	Both	1998-03	36-7021	Hydraulic
Valve Stem Seal	Both	1998-03	38-1329-45	Viton. Metal Clad.
Water Pump		1998-03	90-9375	98-03: Rodeo. 98-00: Amigo
<b>LINE 12</b>	<b>2238cc (2.2L) SOHC Diesel C223 Vin S</b>		<b>1981-87 L4</b>	<b>BORE - 87.9mm/3.40"</b>
Valve	Exh	1981-87	10-10217	1.339 Head Dia.
	Int	1981-87	10-10216	1.575 Head Dia.
Valve Seat Insert	Exh	1981-87	21-1437-58	1.095T I.D. 1-7/16 O.D. 0.237 Depth
	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.
Water Pump		1981-87	90-9132	81-87: Pickup. 86-87: Trooper/II
<b>LINE 13</b>	<b>2238cc (2.2L) SOHC Turbo Diesel C223T</b>		<b>1986-87 L4</b>	<b>BORE - 87.9mm/3.40"</b>
Valve	Exh	1986-87	10-10215S	1.260 Head Dia.
	Int	1986-87	10-10214	1.496 Head Dia.
Guide	Both	1986-87	30-7656	1.970 OAL. OEM # 5-11721-016-0
Valve Stem Seal	Both	1986-87	38-962-45	Viton. Ring And Spring.
<b>LINE 14</b>	<b>4BD1T &amp; 4BD2T Industrial 2.2L</b>		<b>L4</b>	<b>BORE - 102mm/4.02"</b>
Valve	Exh		10-10726	1.476 Head Dia. 4BD1T Only
	Exh		10-10728S	1.476 Head Dia. 4BD2T Only

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 14</b>	<b>4BD1T &amp; 4BD2T Industrial 2.2L</b>		<b>L4</b>	<b>BORE - 102mm/4.02"</b>
Valve	Int		<b>10-10725</b>	1.772 Head Dia.
Valve Seat Insert	Exh		<b>20-1562-46N</b>	1-1/4 I.D. 1-9/16 O.D. 9/32 Depth. Alternate Universal Oversize. Non-Magnetic Nickel Matl.
	Exh		<b>22-1539-2</b>	1.297T I.D. 1.5395 O.D. 0.276 Depth
	Int		<b>22-1854-1</b>	1.610T I.D. 1.8545 O.D. 0.277 Depth
Guide	Both		<b>30-8023</b>	2.365 OAL. OEM # 5-11721-001-0
Spring	Both		<b>32-04031</b>	2.059 Free Length. Inner
	Both		<b>32-04032</b>	2.131 Free Length. Outer
Valve Stem Seal	Both		<b>38-7120-45</b>	Viton. Metal Clad.
<b>LINE 15</b>	<b>2254cc (2.3L) SOHC Carb. 8V 4ZD1 Vin L</b>		<b>1986-95 L4</b>	<b>BORE - 89.4mm/3.50"</b>
Valve	Exh	1986-95	<b>10-10220S</b>	1.413 Head Dia.
	Int	1986-95	<b>10-10218</b>	1.663 Head Dia.
Valve Seat Insert	Exh	1986-95	<b>21-1562-66</b>	1.265T I.D. 1-9/16 O.D. 0.280 Depth.
	Int	1986-95	<b>21-1750-51</b>	1.410T I.D. 1-3/4 O.D. 0.280 Depth.
Guide	Exh	1986-95	<b>30-7714</b>	2.160 OAL. +2 O/S Avail.
	Int	1986-95	<b>30-7713</b>	1.810 OAL. +2 O/S Avail.
Spring	Both	1986-95	<b>32-1310</b>	1.900 Free Length. OEM # 8-94259-483-0
Keeper	Both	1986-95	<b>34-819</b>	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1986-95	<b>38-962-45</b>	Viton. Ring And Spring.
Water Pump		1986-95	<b>90-9105</b>	89-93: Amigo. 86-95: Pickup. 86-87: Trooper/II.
Expansion Plug Kit		1986-95	<b>97-139</b>	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 16</b>	<b>2254cc (2.3L) SOHC F.I. 8V 4ZD1</b>		<b>1988-89 L4</b>	<b>BORE - 89.4mm/3.50"</b>
Valve	Exh	1988-89	<b>10-10221S</b>	1.453 Head Dia.
	Int	1988-89	<b>10-10219</b>	1.736 Head Dia.
Valve Seat Insert	Exh	1988-89	<b>21-1625-54</b>	1.329 I.D. 1-5/8 O.D. 0.280 Depth.
	Int	1988-89	<b>21-1812-51</b>	1.530T I.D. 1-13/16 O.D. 0.307 Depth.
Guide	Exh	1988-89	<b>30-7714</b>	2.160 OAL. +2 O/S Avail.
	Int	1988-89	<b>30-7713</b>	1.810 OAL. +2 O/S Avail.
Spring	Both	1988-89	<b>32-1310</b>	1.900 Free Length. OEM # 8-94259-483-0
Keeper	Both	1988-89	<b>34-819</b>	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1988-89	<b>38-962-45</b>	Viton. Ring And Spring.
Water Pump		1988-89	<b>90-9105</b>	Impulse
Expansion Plug Kit		1988-89	<b>97-139</b>	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 17</b>	<b>2254cc (2.3L) SOHC 16V (VTEC Honda)</b>		<b>1998-99 L4</b>	<b>BORE - 86mm/3.39"</b>
Valve	Exh	1998-99	<b>10-10542</b>	1.142 Head Dia.
	Int	1998-99	<b>10-10541</b>	1.339 Head Dia.
Guide	Exh	1998-99	<b>30-8157</b>	2.130 OAL. 0.436 O.D.
	Int	1998-99	<b>30-8158</b>	1.875 OAL. 0.436 O.D. Incl. Lock Ring
Spring	Exh	1998-99	<b>32-2412</b>	2.188 Free Length. OEM # 14762-PAA-010
	Int	1998-99	<b>32-2406</b>	2.011 Free Length. OEM # 14761-PAA-010
Keeper	Both	1998-99	<b>34-5008</b>	1 Round Groove. 0.215 Stem Dia.
Valve Stem Seal	Both	1998-99	<b>38-592-55</b>	Viton. Metal Clad.
Water Pump		1998-99	<b>90-9209</b>	Oasis

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 18</b>	<b>2369cc (2.4L) C240 Forklift</b>			<b>L4 BORE - 86mm/3.39"</b>
Valve	Exh		10-10217	1.339 Head Dia.
	Int		10-10216	1.575 Head Dia.
Valve Seat Insert	Exh		21-1437-58	1.095T I.D. 1-7/16 O.D. 0.237 Depth
	Int		21-1625-55	1.333T I.D. 1-5/8 O.D. 0.237 Depth
Guide	Both		30-7656	1.970 OAL. OEM # 5-11721-016-0
<b>LINE 19</b>	<b>2559cc (2.6L) SOHC 8V 4ZE1 Vin E</b>			<b>1988-97 L4 BORE - 92.6mm/3.60"</b>
Valve	Exh	1988-97	10-10221S	1.453 Head Dia.
	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	1994-97	30-7714	2.160 OAL. +2 O/S Avail.
	Int	1994-97	30-7713	1.810 OAL. +2 O/S Avail.
Spring	Both	1988-97	32-1310	1.900 Free Length. OEM # 8-94259-483-0
Keeper	Both	1988-97	34-819	1 Square Groove. Heat Treated
Valve Stem Seal	Both	1988-97	38-962-45	Viton. Ring And Spring.
Water Pump		1988-97	90-9133	91-97: Rodeo. 88-95: Pickup. 89-94: Amigo. 88-91: Trooper/II.
Expansion Plug Kit		1988-97	97-103B	Steel Kit. Brass Kit Avail. In Suffix B
<b>LINE 20</b>	<b>2770cc (2.8L) DOHC 16V (GM Vortec) Vin 8</b>			<b>2006-06 L4 BORE - 92.9mm/3.66"</b>
Valve	Exh	2006-06	10-1999	1.201 Head Dia.
	Int	2006-06	10-1998	1.457 Head Dia.
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 Grooves
Lifter	Both	2006-06	36-7082	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2006-06	38-354-45	Viton. Top Hat.
Water Pump		2006-06	90-5097	06: I-280 Pickup
<b>LINE 21</b>	<b>2827cc (2.8L) 12V (GM) LL2 Vin R</b>			<b>1989-91 V6 BORE - 89mm/3.50"</b>
Valve	Exh	1989-91	10-1480	1.425 Head Dia. +3, +15 O/S Stem May Be Avail.
	Int	1989-91	10-1481	1.718 Head Dia. +3, +15 O/S Stem May Be Avail.
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. 7/32 Depth
Guide	Both	1989-91	30-9560	Cast Iron Heads. 2.000 OAL. Spiral 0.341 I.D. 30-7560 Plain I.D. Also Avail.
Spring	Both	1989-91	32-1190-D	1.950 Free Length. w/ Damper
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. 38-240-15 Nitrile Matl. Also Avail.
Rocker Component		1989-91	40-2864	Rocker Arm. Stamped
Rocker Kit		1989-91	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball
Rocker Component		1989-91	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut
Push Rod		1989-91	74-6342	6.163 Length
Water Pump		1989-91	90-5035	Trooper/II
<b>LINE 22</b>	<b>2921cc (2.9L) DOHC 16V Vin 9 (GM)</b>			<b>2007-08 L4 BORE - 95.5mm/3.76"</b>
Valve	Exh	2007-08	10-13046	1.323 Head Dia.

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 22</b>	<b>2921cc (2.9L) DOHC 16V Vin 9 (GM)</b>		<b>2007-08 L4</b>	<b>BORE - 95.5mm/3.76"</b>
Valve	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 Grooves
Lifter	Both	2007-08	36-7082	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-08	38-6995-45	Viton. Top Hat.
Water Pump		2007-08	90-5097	07-08: I-290 Pickup
<b>LINE 23</b>	<b>6BG1 Industrial 3.0L</b>		<b>L6</b>	<b>BORE - 105mm/4.13"</b>
Valve Seat Insert	Exh		22-1539-2	1.297T I.D. 1.5395 O.D. 0.276 Depth
	Int		22-1854-2	1.609T I.D. 1.8545 O.D. 0.2775 Depth
<b>LINE 24</b>	<b>3137cc (3.1L) 12V (GM) Vin Z CPC</b>		<b>1991-94 V6</b>	<b>BORE - 89mm/3.50"</b>
Valve	Exh	1991-94	10-1480	1.425 Head Dia. +3, +15 O/S Stem May Be Avail.
	Int	1991-94	10-1481	1.718 Head Dia. +3, +15 O/S Stem May Be Avail.
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. 7/32 Depth
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 I.D. 30-7560 Plain I.D. Also Avail.
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 Component		1991-94	40-2864	Rocker Arm. Stamped
Rocker Kit		1991-94	41-2407	1 40-2864, 1 42-1720 10mm Nut, 1 42-1721 Smooth Ball
Rocker Component		1991-94	42-2948	Rocker Stud. Adjustable. Use w/ 42-1720 Adj. Nut
Push Rod		1991-94	74-6342	6.163 Length
Water Pump		1991-94	90-5035	91-94: Pickup. 91-92: Rodeo
<b>LINE 25</b>	<b>3165cc (3.2L) SOHC 24V 6VD1, V</b>		<b>1992-97 V6</b>	<b>BORE - 93.4mm/3.60"</b>
Valve	Exh	1992-97	10-10503	1.181 Head Dia.
	Int	1992-97	10-10502	1.339 Head Dia.
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
Spring	Both	1992-97	32-04030	1.970 OAL
Keeper	Both	1992-97	34-5018	1 Round Groove
Lifter	Both	1992-97	36-2254	Hydraulic
Valve Stem Seal	Both	1992-97	38-520-45	Viton. Metal Clad.
Water Pump		1992-97	90-9278	93-97: Rodeo. 92-97: Trooper.
<b>LINE 26</b>	<b>3165cc (3.2L) DOHC 24V 6VD1W,2</b>		<b>1992-04 V6</b>	<b>BORE - 93.4mm/3.60"</b>
Valve	Exh	1992-95	10-10505	1.181 Head Dia.
	Exh	1998-04	10-10740	1.142 Head Dia.
	Int	1992-95	10-10504	1.339 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

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 26</b>	<b>3165cc (3.2L) DOHC 24V 6VD1W,2</b>		<b>1992-04 V6</b>	<b>BORE - 93.4mm/3.60"</b>
Valve Seat Insert	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.
Spring	Both	1992-04	32-04030	1.970 OAL
Keeper	Both	1992-04	34-5018	1 Round Groove
Lifter	Both	1998-04	36-2291	Hydraulic
Valve Stem Seal	Both	1992-95	38-520-45	Viton. Metal Clad.
Water Pump		1992-95	90-9278	92-95: Trooper/II
		1998-04	90-9365	98-04: Rodeo 98-01: Amigo
<b>LINE 27</b>	<b>3460cc (3.5L) DOHC 20V Vin 6 (GM Vortec)</b>		<b>2006-06 L5</b>	<b>BORE - 92.7mm/3.66"</b>
Valve	Exh	2006-06	10-1999	1.201 Head Dia.
	Int	2006-06	10-1998	1.457 Head Dia.
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 Grooves
Lifter	Both	2006-06	36-7082	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2006-06	38-354-45	Viton. Top Hat.
Water Pump		2006-06	90-5097	06: I-350 Pickup.
<b>LINE 28</b>	<b>3491cc (3.5L) DOHC 24V 6VE1 Vin X, Y</b>		<b>1998-04 V6</b>	<b>BORE - 93mm/3.68"</b>
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.
Keeper	Both	1998-04	34-5018	1 Round Groove
Lifter	Both	1998-04	36-2291	Hydraulic
Valve Stem Seal	Both	1998-04	38-520-45	Viton. Metal Clad.
Water Pump		1998-04	90-9365	02-04: Axiom. 98-02: Trooper. 99-01: Vehicross
<b>LINE 29</b>	<b>3651cc (3.7L) DOHC 20V Vin E (GM)</b>		<b>2007-08 L5</b>	<b>BORE - 95.5mm/3.75"</b>
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 Grooves
Lifter	Both	2007-08	36-7082	Hydraulic Lash Adjuster
Valve Stem Seal	Both	2007-08	38-6995-45	Viton. Top Hat.
Water Pump		2007-08	90-5097	07-08: I-370 Pickup
<b>LINE 30</b>	<b>6BD1T &amp; 6BD2T Industrial 3.9L</b>		<b>L6</b>	<b>BORE - 102mm/4.02"</b>
Valve	Exh		10-10726	1.476 Head Dia. 6BD1T
	Exh		10-10728S	1.476 Head Dia. 6BD2T
	Int		10-10725	1.772 Head Dia.
Valve Seat Insert	Exh		20-1562-46N	1-1/4 I.D. 1-9/16 O.D. 9/32 Depth. Alternate Universal Oversize. Non-Magnetic Nickel Matl.
	Exh		22-1539-2	1.297T I.D. 1.5395 O.D. 0.276 Depth
	Int		22-1854-1	1.610T I.D. 1.8545 O.D. 0.277 Depth
Guide	Both		30-8023	2.365 OAL. OEM # 5-11721-001-0
Valve Stem Seal	Both		38-7120-45	Viton. Metal Clad.

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 31</b>	<b>256 C.I. (4.2L) DOHC 24V (GM Vortec) Vin S</b>		<b>2003-08 L6</b>	<b>BORE - 93mm/3.66"</b>
Valve	Exh	2007-08	10-13046	1.323 Head Dia.
	Exh	2003-06	10-1999	1.201 Head Dia.
	Int	2007-08	10-13179	1.525 Head Dia.
	Int	2003-06	10-1998	1.457 Head Dia.
Guide	Both	2003-08	30-8556	1.735 OAL 0.436 O.D. 0.236 I.D.
Spring		2007-08	32-5001	1.729 Free Length. Conical
	Both	2003-06	32-04051	1.770 Free Length
Keeper	Both	2003-08	34-5021	3 Round Grooves
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.
Retainer	Both	2003-08	55-6735	Chrome Moly. 0.735 O.D. 6mm Stem
Water Pump		2003-08	90-5097	03-08: Ascender
<b>LINE 32</b>	<b>262 C.I. (4.3L) (GM) Vin W, X (LB4, LF6)</b>		<b>1997-00 V6</b>	<b>BORE - 101.6mm/4.00"</b>
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		1997-00	40-2736	Rocker Arm, SBC 1.5 Self-Aligning Stamped
Water Pump		1997-00	90-5077	Hombre
<b>LINE 33</b>	<b>290 C.I. (4.8L) SOHC 8V 4HE1 Turbo Diesel Dir. Inj.</b>		<b>L4</b>	<b>BORE - 110.6mm/4.33"</b>
Valve	Exh		10-2238	1.654 Head Dia. OEM # 8971891140
	Int		10-2237	1.969 Head Dia. OEM # 8943951131
	Int		10-2239	1.830 Head Dia. OEM # 8970338641
Guide	Both		30-3054	0.3547 I.D. 2.365 OAL OEM 8943965980
Valve Stem Seal	Both		38-6115-55	Viton. Top Hat. OEM # 8943966092
<b>LINE 34</b>	<b>5328cc (5.3L) OHV 16V (GM Vortec) Vin C,M,P</b>		<b>2003-06 V8</b>	<b>BORE - 96mm/3.78"</b>
Valve	Exh	2003-06	10-1935	1.550 Head Dia.
	Exh	2003-06	10-1935S	1.550 Head Dia. Stellite Seat Face LPG
	Int	2003-06	10-1934	1.890 Head Dia.
	Int	2003-06	10-1934S	1.890 Head Dia. Stellite Seat Face LPG
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
	Both	2003-04	32-2500	2.080 Free Length. Conical
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
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. 8mm Stem. Use w/ 32-2500. LS1
Push Rod		2003-06	74-6614	7.397 Length
Water Pump		2003-06	90-5087	03-06: Ascender

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COMPONENT	I/E/B	YEARS	PART No.	NOTES
<b>LINE 35</b>	<b>6SD1 Industrial</b>			<b>L6 BORE - 115mm/4.53"</b>
Valve Seat Insert	Exh		<b>22-1894-2</b>	1.575T I.D. 1.894 O.D. 0.256 Depth
	Int		<b>22-2052-1</b>	1.809 I.D. 2.052 O.D. 0.256 Depth
<b>LINE 36</b>	<b>435 C.I. (7.1L) SOHC 12V 6HE1 Turbo Diesel Dir. Inj.</b>			<b>L6 BORE - 4.22"/107.2mm</b>
Valve	Exh		<b>10-2238</b>	1.654 Head Dia. OEM # 8943954620
	Int		<b>10-2237</b>	1.969 Head Dia. OEM # 8943951131
	Int		<b>10-2239</b>	1.830 Head Dia. OEM # 8970338641
Guide	Both		<b>30-3054</b>	0.3547 I.D. 2.365 OAL OEM# 8943965980
Valve Stem Seal	Both		<b>38-6115-55</b>	Viton. Top Hat. OEM # 8943966092
<b>LINE 37</b>	<b>6SA1T Industrial 8.4L</b>			<b>L6 BORE - 115mm/4.53"</b>
Valve Seat Insert	Exh		<b>22-1894-2</b>	1.575T I.D. 1.894 O.D. 0.256 Depth. 210 H.P.
	Exh		<b>22-1894-3</b>	1.575T I.D. 1.894 O.D. 0.375 Depth 200 H.P.
	Int		<b>22-1973-2</b>	1.730 I.D. 1.973 O.D. 0.256 Depth. 210 H.P.
	Int		<b>22-1973-3</b>	1.692T I.D. 1.973 O.D. 0.394 Depth. 200 H.P.
Guide	Both		<b>30-8024</b>	2.360 OAL. OEM # 1-11721-008-0