

\$5.00

ACURA

ALFA ROMEO

AUDI

BMW

DAEWOO

HONDA

HYUNDAI

INFINITI

ISUZU

JAGUAR

KIA

LAND ROVER

LEXUS

MAZDA

MERCEDES BENZ

MINI

NISSAN

SAAB

SUBARU

SUZUKI

TOYOTA

VOLKSWAGEN

VOLVO



Import Product Catalog

R92016

VALVES - SEALS - BRONZE GUIDES - CAST GUIDES - SEALS - LOCKS - SPRINGS - CYLINDER HEADS

PEP IMPORT PRODUCT CATALOG

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11	2494cc (2.5L) SOHC, GAS, FI, C25A1 1986-87 - C27A1 1987-90	4 VALVE	V6
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1 1590cc (1.6L) DOHC, GAS, FI, D16A1 1986-89 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1986-89	P3436	1.17x6.6mmx4.14
		1986-89	P3436HP-C	1.22x6.6mmx4.15
	Exh.	1986-89	P3435	1.06x6.6mmx4.11
		1986-89	P3435HP-C	1.10x6.6mmx4.12
Seats	Int.	1986-89	PC1250-62	1.250x.305x1.000 HI-CHROME
	Exh.	1986-89	PC1187-54	1.187x.280x0.880 HI-CHROME
Guides	Int.	1986-89	Bronze B369	Cast C369 .260x.475x1.770
			B568 C568	.260x.476x1.770
		1986-89	B605 C605	.260x.476x1.770
		1986-89	B368 C368	.260x.475x1.970
	Exh.	1986-89	B535 C535	.260x.476x1.975
		1986-89	B604 C604	.260x.476x1.975
		1986-89		
		1986-89		
Seals	Both	1986-87	AV8637-QO	.260x.472 "Viton" - "Poly" available
		1987-89	BV3159-EO	.260x.472 "Viton"
Locks	Both	1986-89	059-211-054	Top-bead 6.6mm
2 1678cc (1.7L) DOHC, GAS, FI, B17A1 1992-93 4 VALVE L4 1797cc (1.8L) DOHC, B18C1 1994-01 - B18C5 1997-01				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1992-01	P4376SHP	1.29x5.5mmx4.03
		1992-01	P4376HP-C	1.33x5.5mmx4.03 - 1mm O/S
	Exh.	1992-01	P4377SHP	1.10x5.5mmx4.03
		1992-01	P4377HP-C	1.14x5.5mmx4.03 - 1mm O/S
Seats	Int.	1992-01	PC1375-56	1.375x.260x1.102
	Exh.	1992-01	PC1250-58	1.250x.255x0.955
Guides	Int.	1992-01	C8397	.217x.476x1.640
		1992-01	B623+2	.217x.477x1.640 BRONZE
		1992-01	C623+2	.217x.476x1.640
	Exh.	1992-01	C624+2	.217x.476x1.870
		1992-01	B624	.217x.475x1.870 BRONZE
		1992-01		
Seals	Both	1992-01	UVO606-G0	.217x.433 "Viton" - "Poly" available
Locks	Both	1992-93	059-245-5.5	Top-bead 5.5mm
3 1834cc (1.8L) DOHC, GAS, FI, B18A1, B18B1 1990-01 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1996-01	PV4583	1.22x6.6mmx4.15
		1990-01	PV2626HP-C	1.26x6.6mmx4.15
	Exh.	1990-01	PV2547	1.10x6.6mmx4.17
		1990-01	PV2547HP-C	1.14x6.6mmx4.17
Seats	Int.	1990-01	PC1312-64	1.312x.316x1.045 HI-CHROME
		1990-01	M21312-64	" " " TUNGSTEN CARBIDE
	Exh.	1990-01	PC1250-63	1.250x.325x0.930 HI-CHROME
Guides	Int.	1990-93	Bronze B369	Cast C369 .260x.475x1.770
			B568 C568	.260x.476x1.770
		1994-01	B605 C605	.260x.476x1.770
		1994-01	B368 C368	.260x.475x1.970
	Exh.	1990-93	B535 C535	.260x.476x1.975
		1994-01	B604 C604	.260x.476x1.975
		1994-01		
		1994-01		

ACURA

3 1834cc (1.8L) DOHC, GAS, FI, B18A1, B18B1 1990-01 (CONT.)				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	1990-01	BV3159-EO	.260x.472 "Viton"	
Locks	Both	1990-01	059-211-054	Top-bead 6.6mm	
4 1998cc (2.0L) DOHC, GAS, FI, K20A2, K20A3 2002-06				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Guides	Exh.	2002-06	C3137	.217x.437x1.790	
Seals	Both	2002-06	UVO606-G0	.217x.433 "Viton" - "Poly" available	
5 2156cc (2.2L) SOHC, GAS, FI, F22B1 1997-97				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1997-97	PV4573	1.33x5.5mmx4.56	
	Exh.	1997-97	PV4561	1.14x5.5mmx4.49	
Seats	Int.	1997-97	PC1375-55	1.375x.325x1.125 HI-CHROME	
		1997-97	M21375-55	" " " TUNGSTEN CARBIDE	
	Exh.	1997-97	PC1250-64	1.250x.270x0.970 HI-CHROME	
Guides			Bronze Cast		
	Int.	1997-97	B538 C538	.217x.436x1.875	
	Exh.	1997-97	B539 C8157	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1997-97	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1997-97	059-245-5.5	Top-bead 5.5mm	
6 2254cc (2.3L) SOHC, GAS, FI, F23A1 1998-99				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1998-99	PV4573	1.33x5.5mmx4.56	
	Exh.	1998-99	PV4561	1.14x5.5mmx4.49	
Guides			Bronze Cast		
	Int.	1998-99	B538 C538	.217x.436x1.875	
	Exh.	1998-99	B539 C8157	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1998-99	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1998-99	059-245-5.5	Top-bead 5.5mm	
7 2300cc (2.3L) DOHC, GAS, FI, K23A1 2007-09				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	2007-08	UVO606-G0	.217x.433 "Viton" - "Poly" available	
8 2354cc (2.4L) DOHC, GAS, FI, K24A2 2004-08				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Guides	Exh.	2004-08	C3137	.217x.437x1.790	
Seals	Both	2004-08	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2004-08	059-245-5.5	Top-bead 5.5	
9 2354cc (2.4L) DOHC, GAS, FI, K24Z3 2009-13				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	2009-13	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2009-13	059-245-5.5	Top-bead 5.5	

ACURA

10 2451cc (2.5L) SOHC, GAS, FI, G25A1 1992-94 - G25A4 1995-98					4 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1992-98	PV2566	1.33x5.5mmx4.41		
		1992-98	PV2566HP-C	1.35x5.5mmx4.41		
	Exh.	1992-98	P5235N	1.14x5.5mmx4.92		
Guides			Bronze Cast			
	Int.	1992-98	B538 C538	.217x.436x1.875		
	Exh.	1992-98	B539 C8157	.217x.436x2.125 - O/S AVAILABLE		
Seals	Both	1992-98	UVO606-G0	.217x.433 "Viton" - "Poly" available		
Locks	Int.	1992-98	059-245-5.5	Top-bead 5.5mm		
11 2494cc (2.5L) SOHC, GAS, FI, C25A1 1986-87 - C27A1 1987-90					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1986-90	P3331	1.29x6.6mmx4.11		
Guides			Bronze Cast			
	Int.	1986-90	B541	.260x.475x1.850		
	Exh.	1986-90	B542 C542	.260x.475x2.087		
Seals	Int.	1986-90	AV8637-QO	.260x.472 "Viton" - "Poly" available		
	Exh.	1986-90	BV3159-EO	.260x.472 "Viton"		
Locks	Both	1986-90	059-211-054	Top-bead 6.6mm		
12 2977cc (3.0L) DOHC, GAS, FI, C30A1 1991-05					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Guides			Bronze Cast			
	Int.	1991-02	B538 C538	.217x.436x1.875		
	Exh.	1991-02	B539 C8157	.217x.436x2.125 - O/S AVAILABLE		
Seals	Both	1991-02	UVO606-G0	.217x.433 "Viton" - "Poly" available		
13 2997cc (3.0L) SOHC, GAS, FI, J30A1 1997-99					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valve	Int.	1997-99	PV4573	1.33x5.5mmx4.56		
		1997-99	P4378HP-C	1.37x5.5mmx4.56 - 1mm O/S		
	Exh.	1997-99	PV4561	1.14x5.5mmx4.49		
		1997-99	P4379HP-C	1.18x5.5mmx4.49 - 1mm O/S		
Guides			Bronze Cast			
	Int.	1997-99	B538 C538	.217x.436x1.875		
	Exh.	1997-99	B539 C8157	.217x.436x2.125 - O/S AVAILABLE		
Seals	Both	1997-99	UVO606-G0	.217x.433 "Viton" - "Poly" available		
Locks	Both	1997-99	059-245-5.5	Top-bead 5.5mm		
14 3165cc (3.2L) SOHC, GAS, FI, VIN V, 6VD1, ISUZU 1996-97					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1996-97	P4342	1.33x6mmx3.89		
	Exh.	1996-97	PV4560	1.18x6mmx3.95		
Seats	Int.	1996-97	PC1437-67	1.437x.255x1.180/1.270 HI-CHROME		
	Exh.	1996-97	PC1312-66	1.312x.258x1.020/1.127 HI-CHROME		
Guides	Both	1996-97	C8255	.234x.436x1.775 - ID must be reamed to size		
Seals	Both	1996-97	BV1883-IO	.236x.433 "Viton" - "Poly" available		

ACURA

15 3206cc (3.2L) SOHC, GAS, FI, C32A1 1991-95 - C32A6 1996-98				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1991-98 1991-98	P4354 P5043	1.29x5.5mmx4.51 - L&LS Models ONLY 1.10x5.5mmx4.63	
Guides	Int. Exh.	1991-98 1991-98	Bronze Cast B538 C538 B539 C8157	.217x.436x1.875 .217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1991-98	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1991-98	059-245-5.5	Top-bead 5.5mm	
16 3210cc (3.2L) SOHC, GAS, FI, J32A1, J32A2 1999-03				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1999-99 2000-03 2000-03 1999-99 2000-03 2000-03	PV4573 PV4687 P4378HP-C PV4561 PV4688 P4379HP-C	1.33x5.5mmx4.56 1.37x5.5mmx4.567 1.37x5.5mmx4.56 1.14x5.5mmx4.49 1.18x5.5mmx4.496 1.18x5.5mmx4.49	
Guides	Int. Exh.	1999-03 1999-03	Bronze Cast B538 C538 B539 C8157	.217x.436x1.875 .217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1999-03	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1999-03	059-245-5.5	Top-bead 5.5mm	
17 3210cc (3.2L) SOHC, GAS, FI, J32A3 2004-08				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2004-08 2004-08	PV4687 PV4688	1.37x5.5mmx4.567 1.18x5.5mmx4.496	
Guides	Int. Exh.	2004-08 2004-08	Bronze Cast B538 C538 B539 C8157	.217x.436x1.875 .217x.436x2.125 - O/S AVAILABLE	
Seals	Both	2004-08	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2004-08	059-245-5.5	Top-bead 5.5mm	
18 3471cc (3.5L) SOHC, J35A8 2005-08				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Seals	Both	2004-08	UVO606-G0	.217x.433 "Viton" - "Poly" available	
19 3471cc (3.5L) SOHC, GAS, FI, J35Z6 2009-13				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Exh.	2001-06	PV4688	1.18x5.5mmx4.496	
Seals	Both	2001-06	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2001-05	059-245-5.5	Top-bead 5.5mm	

ACURA

20 3471cc (3.5L) SOHC, GAS, FI, J35A3 2001-02 - J35A5 2003-06				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2001-06	PV4687	1.37x5.5mmx4.567	
	Exh.	2001-06	PV4688	1.18x5.5mmx4.496	
Guides	Int.	2001-06	Bronze B538	.217x.436x1.875	
	Exh.	2001-06	Cast C538 B539 C8157	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	2001-06	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2001-05	059-245-5.5	Top-bead 5.5mm	
21 3475cc (3.5L) SOHC, GAS, FI, C35A1 1996-04				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1996-04	P4354	1.29x5.5mmx4.51	
	Exh.	1996-04	P5043	1.10x5.5mmx4.63	
Guides	Int.	1996-04	Bronze B538	.217x.436x1.875	
	Exh.	1996-04	Cast C538 B539 C8157	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1996-04	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1996-04	059-245-5.5	Top-bead 5.5mm	
22 3494cc (3.5L) DOHC, GAS, FI, VIN X, 6VE1, ISUZU 1998-99				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1998-99	P5000	1.33x6mmx4.08	
	Exh.	1998-99	P5001	1.14x6mmx4.07	
Guides	Both	1998-99	C8255	.234x.436x1.775	
23 3664cc (3.7L) SOHC, GAS, FI, J37A1, J37A2, J37A4, J37A5 2007-13				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Exh.	2007-09	PV4688	1.18x5.5mmx4.496	
Guides	Int.	2007-09	Bronze B538	.217x.436x1.875	
	Exh.	2007-09	Cast C538 B539 C8157	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	2007-08	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2009-12	059-245-5.5	Top-bead 5.5mm	

Notes:

ALFA ROMEO

1 1570cc (1.6L) DOHC, 78mm, 105 ENG. 1963-68				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1963-68	P4395HP-C	1.67x9mmx4.20	
	Exh.	1963-68	P4398HP-C	1.50x9mmx4.19	
Guides	Int.	1963-68	B220	.354x.553x2.000 BRONZE - O/S AVAILABLE	
		1963-68	B220SPL-ALFA	.354x.553x2.000 BRONZE - .455sp	
		1963-68	B245	.354x.553x1.675 BRONZE - O/S AVAILABLE	
		1963-68	B267	.354x.553x1.950 BRONZE - O/S AVAILABLE	
		1963-68	B328	.354x.552x1.640 BRONZE	
	Exh.	1963-68	B239	.354x.553x2.120 BRONZE - O/S AVAILABLE	
2 1779cc (1.8L) DOHC, 80mm, 105.41 ENG. 1969-71					L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1969-71	P4395HP-C	1.67x9mmx4.20	
	Exh.	1969-71	P4398HP-C	1.50x9mmx4.19	
Guides	Int.	1969-71	B220	.354x.553x2.000 BRONZE - O/S AVAILABLE	
		1969-71	B220SPL-ALFA	.354x.553x2.000 BRONZE - .455sp	
		1969-71	B245	.354x.553x1.675 BRONZE - O/S AVAILABLE	
		1969-71	B267	.354x.553x1.950 BRONZE - O/S AVAILABLE	
		1969-71	B328	.354x.552x1.640 BRONZE	
	Exh.	1969-71	B239	.354x.553x2.120 BRONZE - O/S AVAILABLE	
3 1962cc (2.0L) DOHC, 84mm, 116 ENG. 1972-89					L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1972-89	P4314JF	1.77x9mmx4.16 - 1mm O/S	
	Exh.	1972-89	P4313JF	1.62x9mmx4.16 - 1mm O/S	
Guides	Int.	1972-89	B220	.354x.553x2.000 BRONZE - O/S AVAILABLE	
		1972-89	B220SPL-ALFA	.354x.553x2.000 BRONZE - .455sp	
		1972-89	B245	.354x.553x1.675 BRONZE - O/S AVAILABLE	
		1972-89	B267	.354x.553x1.950 BRONZE - O/S AVAILABLE	
		1972-89	B328	.354x.552x1.640 BRONZE	
	Exh.	1972-89	B239	.354x.553x2.120 BRONZE - O/S AVAILABLE	
4 2492cc (2.5L) SOHC 1979-92					V6
PART		YEARS	PART NO.	NOTES	
Guides	Int.	1979-92	B220	.354x.553x2.000 BRONZE - O/S AVAILABLE	
		1979-92	B245	.354x.553x1.675 BRONZE - O/S AVAILABLE	
		1979-92	B328	.354x.552x1.640 BRONZE	
	Exh.	1979-92	B336	.354x.553x1.937 BRONZE	

ASTON MARTIN

1 MISCELLANEOUS				
PART		YEARS	PART NO.	NOTES
Guides	Int.		B5524	.341x.551x1.900 - O/S AVAILABLE
	Exh.		B5525	.341x.551x2.200 - O/S AVAILABLE

AUDI (VW)

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1	1471cc (1.5L) SOHC, GAS, CARB, XZ 1588cc (1.6L) SOHC, GAS, FI, YG, YH, YK 1973-80	2 VALVE	L4
2	1588cc (1.6L) SOHC, DIESEL , FI, VIN G, H, CY, CR, JK 1982-83	2 VALVE	L4
3	1715cc (1.7L) SOHC, GAS, FI, VIN A, WT 1981-83	2 VALVE	L4
4	1760cc (1.8L) OHV, GAS, CARB, ZT, ZY 1872cc (1.9L) OHV, GAS, CARB, XT, XU, ZG, ZH, ZK, ZL, ZW - GAS, FI, YA, YB, YC, YD 1970-77	2 VALVE	L4
5	1780cc (1.8L) SOHC, GAS, FI, VIN A, B, C, JN, MG 1984-87	2 VALVE	L4
6	1781cc (1.8L) DOHC, GAS, FI, VIN B, C, T, X, AEB, AMB, AMU, ATC, ATW, AWM, AWP, BEA, TURBO 1997-06	5 VALVE	L4
7	1871cc (1.9L) OHV - 100, 100GL, 100LS, X, Y, Z, series 1970-77	2 VALVE	L4
8	1968cc (2.0L) DOHC, DIESEL, FI, CBEA, TDI 2010-12 2967cc (3.0L) DOHC, DIESEL, FI, CATA, TDI 2009-12	4 VALVE 4 VALVE	L4 V6
9	1983cc (2.0L) SOHC, GAS, FI, VIN A, B, 3A 1988-90	2 VALVE	L4
10	1984cc (2.0L) DOHC, GAS, FI, VIN F, BPG, BPY , BWT, CAEB, CBFA, CCTA, CDMA, CETA, TURBO 2005-09	4 VALVE	L4
11	1986cc (2.0L) SOHC, DIESEL , FI, VIN G, CN 1979-81	2 VALVE	L5
12	1986cc (2.0L) SOHC, DIESEL , FI, VIN H, DE 1982-84	2 VALVE	L5
13	2144cc (2.2L) SOHC, GAS, FI, VIN A, B, WD, WE, WU 1978-84	2 VALVE	L5
14	2144cc (2.2L) SOHC, GAS, FI, VIN C, KH, WK, TURBO 1980-85	2 VALVE	L5
15	2226cc (2.2L) SOHC, GAS, FI, VIN B, JT, KZ 1984-87	2 VALVE	L5
16	2226cc (2.2L) SOHC, GAS, FI, VIN C, D, E, MC TURBO 1986-91	2 VALVE	L5
17	2226cc (2.2L) DOHC, GAS, FI, VIN A, P, R, AAN 1992-96	4 VALVE	L5
18	2309cc (2.3L) SOHC, GAS, FI, VIN B, C, D, NF, NG 1988-92	2 VALVE	L5
19	2309cc (2.3L) DOHC, GAS, FI, VIN E, 7A 1990-91	4 VALVE	L5
20	2671cc (2.7L) DOHC, GAS, FI, VIN D, P, APB, BEL, TURBO 2000-05 2771cc (2.8L) DOHC, VIN A, D, H, AHA, ATQ 1998-01	5 VALVE 2 VALVE	V6 V6
21	2771cc (2.8L) SOHC, GAS, FI, VIN A, B, C, E, J, K, L, AAH, AFC 1992-98	2 VALVE	V6
22	2976cc (3.0L) DOHC, GAS, FI, VIN T, AVK - BGN 2002-06	5 VALVE	V6
23	2995cc (3.0L) DOHC, GAS, FI, CAJA, CAKA, CCAA, CCBA, CGXB, CJWB, CJWC, CJWE, SUPERCHARGED 2009-12	4 VALVE	V6
24	3123cc (3.2L) DOHC, GAS, FI, BKH, CALA, CALB 2005-12 3189cc (3.2L) DOHC, GAS, FI, BHE, BUB, CBRA 2004-09	4 VALVE	V6
25	3562cc (3.6L) DOHC, GAS, FI, VIN E, PT 4172cc (4.2L) DOHC, GAS, FI, VIN W, ABH 1990-94	4 VALVE	V8
26	3597cc (3.6L) DOHC, GAS, FI, BHK 2007-10 4163cc (4.2L) DOHC, GAS, FI, BAR, BVJ, BYH, CAUA, CDRA, CNDA, BHF, BNK 2007-12	4 VALVE 4 VALVE	V6 V8

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27	4172cc (4.2L) DOHC, GAS, FI, VIN G, ABZ, BNS 1997-99 2007-08	4 VALVE	V8
		5 VALVE	V8
28	5204cc (5.2L) DOHC, GAS, FI, BSM, BXA, BUJ, CMPA 2007-12	4 VALVE	V10
		4 VALVE	W12
	5998cc (6.0L) DOHC, GAS, FI, BSB 2005-09		

1		1471cc (1.5L) SOHC, GAS, CARB, XZ		2 VALVE	L4
		1588cc (1.6L) SOHC, GAS, FI, YG, YH, YK 1973-80			
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.		PEP101 PEP106	1.33x8mmx3.88 1.23x8mmx3.87	
Seats	Int. Exh.	1973-80 1973-80 1973-80 1973-80	PC1437-50 M21437-50 PC1312-50 PC1312-56	1.437x.305x1.140/1.241 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.312x.305x1.086/1.153 HI-CHROME 1.312x.305x1.086 HI-CHROME	
Guides	Both	1973-80 1973-80	Bronze Cast C7359 B222F C222F	.315x.476x1.435 - O/S AVAILABLE .315x.476x1.440 - O/S AVAILABLE	
Seals	Both	1973-80	32689	.315x.425 “Viton”	
Locks	Both	1973-80	059-211-020	Top-bead 8mm	
Springs	Both	1973-80 1973-80	051-106 051-107	1.180dx0.90id* 23Lb.@1.45 OUTER 0.810dx0.62id* 12Lb.@1.25 INNER	
2		1588cc (1.6L) SOHC, DIESEL, FI, VIN G, H, CY, CR, JK 1982-83		2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.	1982-83 1982-83 1982-83 1982-83	P3035 PV2404 P3036 P3262	1.33x8mmx4.12 - 1 groove 1.33x8mmx4.12 - 3 groove 1.22x8mmx4.11 - 1 groove 1.22x8mmx4.11 - 3 groove	
Seats	Int. Exh.	1982-83 1982-83 1982-83 1982-83	PC1437-50 M21437-50 PC1312-50 PC1312-56	1.437x.305x1.140/1.241 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.312x.305x1.086/1.153 HI-CHROME 1.312x.305x1.086 HI-CHROME	
Guides	Both	1982-83 1982-83	Bronze Cast C7359 B222F C222F	.315x.476x1.435 - O/S AVAILABLE .315x.476x1.440 - O/S AVAILABLE	
Seals	Both	1982-83	32689	.315x.425 “Viton”	
Locks	Both	1982-83 1982-83	059-211-020 059-199-500	Top-bead 8mm 3 Round-groove 8mm	
Springs	Both	1982-83 1982-83	051-106 051-107	1.180dx0.90id* 23Lb.@1.45 OUTER 0.810dx0.62id* 12Lb.@1.25 INNER	

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3 1715cc (1.7L) SOHC, GAS, FI, VIN A, WT 1981-83				2 VALVE	L4		
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1981-83	PEP101	1.33x8mmx3.88 - 1 groove			
	Exh.	1981-83	PV2399	1.22x8mmx3.87 - 3 groove			
Seats	Int.	1981-83	PC1437-50	1.437x.305x1.140/1.241 HI-CHROME			
		1981-83	M21437-50	“ “ “ TUNGSTEN CARBIDE			
	Exh.	1981-83	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME			
		1981-83	PC1312-56	1.312x.305x1.086 HI-CHROME			
Guides	Int.	1981-83	Bronze Cast				
		1981-83	C7359	.315x.476x1.435 - O/S AVAILABLE			
	Exh.		B222F C222F	.315x.476x1.440 - O/S AVAILABLE			
			B269 C269	.315x.476x1.665 - O/S AVAILABLE			
			C269G	.314x.476x1.670			
Seals	Both	1981-83	32689	.315x.425 “Viton”			
Locks	Both	1981-83	059-199-500	3 Round-groove 8mm			
		1981-83	059-211-020	Top-bead 8mm			
Springs	Both	1981-83	051-106	1.180dx0.90id* 23Lb.@1.45 OUTER			
		1981-83	051-107	0.810dx0.62id* 12Lb.@1.25 INNER			
4 1760cc (1.8L) OHV, GAS, CARB, ZT, ZY						2 VALVE	L4
1872cc (1.9L) OHV, GAS, CARB, XT, XU, ZG, ZH, ZK, ZL, ZW - GAS, FI, YA, YB, YC, YD 1970-77							
PART		YEARS	PART NO.	NOTES			
Seats	Exh.	1970-77	M21437-59	1.437x.305x1.180/1.245 TUNGSTEN CARBIDE			
5 1780cc (1.8L) SOHC, GAS, FI, VIN A, B, C, JN, MG 1984-87						2 VALVE	L4
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1984-87	PV2413	1.57x8mmx3.58			
	Exh.	1984-87	P3496	1.30x8mmx3.57			
Seats	Int.	1984-87	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME			
	Exh.	1984-87	PC1375-55	1.375x.325x1.125 HI-CHROME			
		1984-87	M21375-55	“ “ “ TUNGSTEN CARBIDE			
Guides	Both		Bronze Cast				
		1984-84	B308 C308	.314x.474x1.805 - O/S AVAILABLE			
		1985-87	B222F C222F	.315x.476x1.440 - O/S AVAILABLE			
Seals	Both	1984-87	32689	.315x.425 “Viton”			
Locks	Both	1984-87	059-199-500	3 Round-bead 8mm			
Springs	Both	1984-87	051-106	1.180dx0.90id* 23Lb.@1.45 OUTER			
		1984-87	051-107	0.810dx0.62id* 12Lb.@1.25 INNER			
6 1781cc (1.8L) DOHC, GAS, FI, VIN B, C, T, X, AEB, AMB, AMU, ATC, ATW, AWM, AWP, BEA, TURBO 1997-06						5 VALVE	L4
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1997-06	PV4614CFM	1.05x6mmx4.13			
	Exh.	1997-06	PV4612	1.17x6mmx4.09 - OE#: 058109611M - Tip 0.157			
		1997-06	PV4615CFM	1.17x6mmx4.09 - OE#: 058109611E - Tip 0.222			
Seats	Int.	1997-06	PC1125-53	1.125x.237x0.890/0.976 HI-CHROME (may need to be machined)			
	Exh.	1997-06	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME (.020”-.030” correct depth)			
Guides	Both	1997-06	B630	.235x.435x1.425 BRONZE - O/S AVAILABLE			
Seals	Both	1997-06	235346	.235x.346 “Viton”			
Locks	Both	1997-06	059-236-6MM	3 Round-bead 6mm			
Springs	Int.	1997-06	050-471	0.810dx .57id* 23Lb.@1.47			
	Exh.	1997-06	050-472	1.160dx .83id* 28Lb.@1.54			

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7 1871cc (1.9L) OHV - 100, 100GL, 100LS, X, Y, Z series 1970-77				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Guides	Both	1970-77	B221N	.354x.553x2.400 BRONZE - O/S AVAILABLE	
Seals	Both		D12M090M	.352x.472 "Nylon"	
8 1968cc (2.0L) DOHC, DIESEL, FI, CBEA, TDI 2010-12				4 VALVE	L4
2967cc (3.0L) DOHC, DIESEL, FI, CATA, TDI 2009-12				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Seals	Both	2010-12	235346	.235x.346 "Viton"	
Locks	Both	2010-12	059-236-6MM	3 Round-bead 6mm	
9 1983cc (2.0L) SOHC, GAS, FI, VIN A, B, 3A 1988-90				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1988-90	PV2413	1.57x8mmx3.58	
	Exh.	1988-90	P3496	1.30x8mmx3.57	
Seats	Int.	1988-90	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME	
	Exh.	1988-90	PC1375-55	1.375x.325x1.125 HI-CHROME	
Guides	Both	1988-90	Bronze Cast	.315x.476x1.435 - O/S AVAILABLE	
		1988-90	B222F C7359 C222F	.315x.476x1.440 - O/S AVAILABLE	
Seals	Both	1988-90	32689	.315x.425 "Viton"	
Locks	Both	1988-90	059-199-500	3 Round-groove 8mm	
10 1984cc (2.0L) DOHC, GAS, FI, VIN F, BPG, BPY , BWT, CAEB, CBFA, CCTA, CDMA, CETA, TURBO 2005-09				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2005-08	P5180	1.33x6mmx4.09	
	Exh.	2005-08	P5179	1.10x6mmx4.015	
Guides	Exh.	2005-09	B2075	.236x.435x1.540 BRONZE	
	Both	2005-09	B3159	.236x.435x1.415 BRONZE	
Seals	Both	2005-08	235346	.235x.346 "Viton"	
Locks	Both	2005-08	059-236-6MM	3 Round-bead 6mm	
11 1986cc (2.0L) SOHC, DIESEL , FI, VIN G, CN 1979-81				2 VALVE	L5
PART		YEARS	PART NO.	NOTES	
Valves	Exh.	1979-81	P3036	1.22x8mmx4.11	
		1979-81	P3262	1.22x8mmx4.11	
Seats	Int.	1979-81	PC1500-62	1.500x.310x1.220/1.284 HI-CHROME	
		1979-81	M21500-62	" " " TUNGSTEN CARBIDE	
	Exh.	1979-81	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME	
		1979-81	PC1312-56	1.312x.305x1.086 HI-CHROME	
Guides	Both	1979-81	B269	.315x.476x1.665 BRONZE	
		1979-81	C269	" " "	
Seals	Both	1979-81	32689	.315x.425 "Viton"	
Locks	Both	1979-81	059-211-020	Top-bead 8mm	
		1979-81	059-199-500	3 Round-bead 8mm	
Springs	Both	1979-81	051-106	1.180dx0.90id* 23Lb.@1.45 OUTER	
		1979-81	051-107	0.810dx0.62id* 12Lb.@1.25 INNER	

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12 1986cc (2.0L) SOHC, DIESEL, FI, VIN H, DE 1982-84					2 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	1982-84	P3262	1.22x8mmx4.11		
Seats	Int.	1982-84	PC1500-62	1.500x.310x1.220/1.284 HI-CHROME		
		1982-84	M21500-62	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1982-84	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME		
		1982-84	PC1312-56	1.312x.305x1.086 HI-CHROME		
Guides	Both	1982-84	Bronze Cast	.315x.476x1.435		
		1982-84	C7359	.315x.476x1.440		
			B222F C222F			
Seals	Both	1982-84	32689	.315x.425 “Viton”		
Locks	Exh.	1982-84	059-199-500	3 Round-bead 8mm		
Springs	Both	1982-84	051-106	1.180dx0.90id* 23Lb.@1.45 OUTER		
		1982-84	051-107	0.810dx0.62id* 12Lb.@1.25 INNER		
13 2144cc (2.2L) SOHC, GAS, FI, VIN A, B, WD, WE, WU 1978-84					2 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Seats	Exh.	1978-84	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME		
		1978-84	PC1312-56	1.312x.305x1.086 HI-CHROME		
Guides	Both		B222F	.315x.476x1.440 BRONZE		
Seals	Both	1978-84	32689	.315x.425 “Viton”		
Locks	Exh.	1978-80	059-211-020	Top-bead 8mm		
Springs	Both	1978-82	051-106	1.180dx0.90id* 23Lb.@1.45 OUTER		
		1978-82	051-107	0.810dx0.62id* 12Lb.@1.25 INNER		
14 2144cc (2.2L) SOHC, GAS, FI, VIN C, KH, WK, TURBO 1980-85					2 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	1983-85	P3496	1.30x8mmx3.57		
Seats	Exh.	1980-85	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME		
		1980-85	PC1312-56	1.312x.305x1.086 HI-CHROME		
Guides	Both		B269	.315x.476x1.665		
			C269	“ “ “		
Seals	Both	1980-85	32689	.315x.425 “Viton”		
Locks	Both	1983-85	059-199-500	3 Round-groove 8mm		
Springs	Both	1980-85	051-106	1.180dx0.90id* 23Lb.@1.45 OUTER		
		1980-85	051-107	0.810dx0.62id* 12Lb.@1.25 INNER		
15 2226cc (2.2L) SOHC, GAS, FI, VIN B, JT, KZ 1984-87					2 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	1984-87	P3496	1.30x8mmx3.57		
Seats	Int.	1984-87	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME		
	Exh.	1984-87	PC1375-55	1.375x.325x1.125 HI-CHROME		
		1984-87	M21375-55	“ “ “ TUNGSTEN CARBIDE		
Guides	Int. Exh.	1984-87	Bronze Cast	.315x.476x1.435 - O/S AVAILABLE		
		1984-87	C7359	.315x.476x1.440 - O/S AVAILABLE		
		1984-87	B222F C222F	.314x.474x1.805 - O/S AVAILABLE		
		1984-87	B308 C308			
Seals	Both	1984-87	32689	.315x.425 “Viton”		
Locks	Both	1984-87	059-199-500	3 Round-groove 8mm		

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16 2226cc (2.2L) SOHC, GAS, FI, VIN C, D, E, MC TURBO 1986-91					2 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1986-91	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME		
	Exh.	1986-91	PC1375-55	1.375x.325x1.125 HI-CHROME		
		1986-91	M21375-55	“ “ “ TUNGSTEN CARBIDE		
Guides	Int.	1986-91	Bronze Cast	.315x.476x1.435 - O/S AVAILABLE		
	Exh.	1986-91	B222F C222F	.315x.476x1.440 - O/S AVAILABLE		
		1986-91	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
Seals	Both	1986-91	32689	.315x.425 “Viton”		
Locks	Both	1986-91	059-199-500	3 Round-groove 8mm		
17 2226cc (2.2L) DOHC, GAS, FI, VIN A, P, R, AAN 1992-96					4 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1992-96	PEP109	1.26x7mmx3.76		
	Exh.	1992-96	PEP110	1.10x7mmx3.86		
Seats	Int.	1992-96	PC1312-64	1.312x.316x1.045 HI-CHROME		
		1992-96	M21312-64	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1992-96	PC1125-54	1.125x.325x0.900 HI-CHROME		
Guides	Both	1992-96	C350F	.275x.476x1.500 - BRONZE AVAILABLE		
Seals	Both	1992-96	12015153	.276x.386 “Viton”		
18 2309cc (2.3L) SOHC, GAS, FI, VIN B, C, D, NF, NG 1988-92					2 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	1988-92	P3496	1.30x8mmx3.57		
Seats	Int.	1988-92	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME		
	Exh.	1988-92	PC1375-55	1.375x.325x1.125 HI-CHROME		
Guides	Both	1988-92	Bronze Cast	.315x.476x1.435 - O/S AVAILABLE		
		1988-92	B222F C222F	.315x.476x1.440 - O/S AVAILABLE		
Seals	Both	1988-92	32689	.315x.425 “Viton”		
Locks	Both	1988-92	059-199-500	3 Round-groove 8mm		
19 2309cc (2.3L) DOHC, GAS, FI, VIN E, 7A 1990-91					4 VALVE	L5
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1990-91	PEP109	1.26x7mmx3.76		
	Exh.	1990-91	PEP110	1.10x7mmx3.86		
Seats	Int.	1990-91	PC1312-64	1.312x.316x1.045 HI-CHROME		
		1990-91	M21312-64	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1990-91	PC1125-54	1.125x.325x0.900 HI-CHROME		
Seals	Both	1990-91	12015153	.276x.386 “Viton”		
20 2671cc (2.7L) DOHC, GAS, FI, VIN D, P, APB, BEL, TURBO 2000-05					5 VALVE	V6
2771cc (2.8L) DOHC, VIN A, D, H, AHA, ATQ 1998-01					2 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1998-05	PV4614CFM	1.05x6mmx4.13		
	Exh.	1998-05	PV4612	1.17x6mmx4.09 - OE#: 058109611M - Tip 0.157		
		1998-05	PV4615CFM	1.17x6mmx4.09 - OE#: 058109611E - Tip 0.222		
Seats	Int.	1998-05	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME		
	Exh.	1998-05	PC1125-53	1.125x.237x0.890/0.976 HI-CHROME		
Guides	Both	1998-05	B630	.235x.435x1.425 BRONZE - O/S AVAILABLE		
Seals	Both	1998-05	235346	.235x.346 “Viton”		

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20 2671cc (2.7L) DOHC, GAS, FI, VIN D, P, APB, BEL, TURBO 2000-055 VALVEV6				
2771cc (2.8L) DOHC, VIN A, D, H, AHA, ATQ 1998-01 (CONT.)2 VALVEV6				
PART		YEARS	PART NO.	NOTES
Locks	Both	1998-05	059-236-6MM	3 Round-bead 6mm
Springs	Int.	1998-05	050-471	0.81odx .57id* 23Lb.@1.47
	Exh.	1998-05	050-472	1.16odx .83id* 28Lb.@1.54
21 2771cc (2.8L) SOHC, GAS, FI, VIN A, B, C, E, J, K, L, AAH, AFC 1992-982 VALVEV6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1995-98	PV4617	1.55x7mmx3.61 - 7mm stem
	Exh.	1992-95	P3496	1.30x8mmx3.57 - 8mm stem
		1995-98	PV4618	1.29x7mmx3.58 - 7mm stem
Seats	Int.	1992-95	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME
	Exh.	1992-95	PC1375-55	1.375x.325x1.125 HI-CHROME
		1992-95	M21375-55	“ “ “ TUNGSTEN CARBIDE
Guides	Exh.	1992-95	Bronze Cast	.315x.476x1.435 - O/S AVAILABLE .315x.476x1.440 - O/S AVAILABLE .272x.476x1.435 .275x.476x1.490 BRONZE - .063 FLANGE
		1992-95	C7359	
	Both	1992-95	B222F C222F	
		1995-98	C8558	
Seals	Exh.	1992-95	32689	.315x.425 “Viton”
	Both	1995-98	12015153	.276x.386 “Viton”
Locks	Both	1992-95	059-199-500	3 Round-groove 8mm
		1995-98	059-211-128	3 Round-groove 7mm
22 2976cc (3.0L) DOHC, GAS, FI, VIN T, AVK - BGN 2002-065 VALVEV6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2002-06	PV4614CFM	1.05x6mmx4.13
	Exh.	2002-06	PV4612	1.17x6mmx4.09 - Tip 0.157
		2002-06	PV4615CFM	1.17x6mmx4.09 - Tip 0.222
Seats	Int.	2002-06	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME
	Exh.	2002-06	PC1125-53	1.125x.237x0.890/0.976 HI-CHROME
Guides	Both	2002-06	B630	.235x.435x1.425 BRONZE - O/S AVAILABLE
Seals	Both	2002-06	235346	.235x.346 “Viton”
Locks	Both	2002-06	059-236-6MM	3 Round-bead 6mm
Springs	Int.	2002-06	050-471	0.81odx .57id* 23Lb.@1.47
	Exh.	2002-06	050-472	1.16odx .83id* 28Lb.@1.54
23 2995cc (3.0L) DOHC, GAS, FI, CAJA, CAKA, CCAA, CCBA, CGXB, CJWB, CJWC, CJWE, SUPERCHARGED 2009-124 VALVEV6				
PART		YEARS	PART NO.	NOTES
Seals	Both		235346	.235x.346 “Viton”
Locks	Both		059-236-6MM	3 Round-bead 6mm
24 3123cc (3.2L) DOHC, GAS, FI, BKH, CALA, CALB 2005-124 VALVEV6				
3189cc (3.2L) DOHC, GAS, FI, BHE, BUB, CBRA 2004-09				
PART		YEARS	PART NO.	NOTES
Seals	Both	2004-08	235346	.235x.346 “Viton”
Locks	Both	2004-08	059-236-6MM	3 Round-bead 6mm

AUDI (VW)

25 3562cc (3.6L) DOHC, GAS, FI, VIN E, PT 4172cc (4.2L) DOHC, GAS, FI, VIN W, ABH 1990-94				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Valves Int.	1990-94	PEP109	1.26x7mmx3.76		
Guides Both	1990-94	B351F	.275x.476x1.490		
Seals Both	1990-94	12015153	.276x.386 "Viton"		
26 3597cc (3.6L) DOHC, GAS, FI, BHK 2007-10 4163cc (4.2L) DOHC, GAS, FI, BAR, BVJ, BYH, CAUA, CDRA, CNDA, BHF, BNK 2007-12				4 VALVE	V6
				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Seals Both		235346	.235x.346 "Viton"		
Locks Both		059-236-6MM	3 Round-bead 6mm		
27 4172cc (4.2L) DOHC, GAS, FI, VIN G, ABZ, BNS 1997-99 2007-08 VIN L, U, ART, AKB, AUX, AWN, AYS, BAS, BBD, BFM, BGK				4 VALVE	V8
				5 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Seals Both		235346	.235x.346 "Viton"		
Locks Both		059-236-6MM	3 Round-bead 6mm		
28 5204cc (5.2L) DOHC, GAS, FI, BSM, BXA, BUJ, CMPA 2007-12 5998cc (6.0L) DOHC, GAS, FI, BSB 2005-09				4 VALVE	V10
				4 VALVE	W12
PART	YEARS	PART NO.	NOTES		
Seals Both		235346	.235x.346 "Viton"		
Locks Both		059-236-6MM	3 Round-bead 6mm		

AUSTIN

1 MISCELLANEOUS					
PART	APPLICATION	PART NO.		NOTES	
Guides	Int.	1.6L, 1.8L, L	Bronze	Cast	
			B226	C226	
			B226I		
	Exh.	3.0L, L6	B228	C228	.344x.564x1.875 - OVERSIZES, MGA1.6 & MGB1.8
		1.6L, 1.8L, L4	B227	C227	TAPPED NOSE
			B227E		.342x.564x2.280 - HEALY 3000
	Both	3.0L, L6	B229	C229	.344x.564x2.217 - OVERSIZES, MGA1.6 & MGB1.8
		1.0/1.3L	B225	C225	TAPPED NOSE
					.342x.564x2.580 - HEALY 3000
					.281x.471x1.690 - OVERSIZES

BMW

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1	1573cc (1.6L) SOHC, 1600, 1602 1964-71 1773cc (1.8L) SOHC, 1800, 1800TI/LUX 1964-69	2 VALVE L4 2 VALVE L4
2	1600cc (1.6L) DOHC, SOHC, GAS, FI, N12B16A, W10B16A, MINI COOPER 2002-08	4 VALVE L4
3	1766cc (1.8L) SOHC, GAS, FI, M10 1980-85 1990cc (2.0L) SOHC, GAS, CARB, FI, M10 1975-79	2 VALVE L4 2 VALVE L4
4	1796cc (1.8L) DOHC, GAS, FI, M42 1991-95	4 VALVE L4
5	1895cc (1.9L) DOHC, GAS, FI, M44 1996-99 2494cc (2.5L) DOHC, GAS, FI, M52 1998-00	4 VALVE L4 4 VALVE L6
6	1990cc (2.0L) SOHC, 2000/C/CS/TI, 2002/TII	2 VALVE L4
7	2302cc (2.3L) DOHC, M3, S14 1988-91	4 VALVE L4
8	2443cc (2.4L) SOHC, 524TD, M21 1985-86	2 VALVE L6
9	2494cc (2.5L) DOHC, E90, E91, E92, LATE 328-335	4 VALVE L6
10	2494cc (2.5L) SOHC, 2500 1969-71	2 VALVE L6
11	2494cc (2.5L) SOHC, GAS, FI, M20 1987-93	2 VALVE L6
12	2494cc (2.5L) DOHC, GAS, FI, M50, M50TU 1991-95	4 VALVE L6
13	2693cc (2.7L) SOHC, GAS, FI, M20 1982-88	2 VALVE L6
14	2788cc (2.8L) SOHC, GAS, CARB, FI, M30 1969-81	2 VALVE L6
15	2793cc (2.8L) DOHC, GAS, FI, M52 1996-00 3152cc (3.2L) DOHC, GAS, FI, S52 1996-00	4 VALVE L6 4 VALVE L6
16	2985cc (3.0L) SOHC, GAS, CARB, FI, M30 1972-77 3210cc (3.2L) SOHC, GAS, FI, M30 1978-84	2 VALVE L6 2 VALVE L6
17	2990cc (3.0L) DOHC, GAS, FI, S50	4 VALVE L6
18	(3.0L) DOHC, GAS, N52, 328I	4 VALVE L6
19	3430cc (3.5L) SOHC, GAS, FI, M30 1985-93	2 VALVE L6
20	3453cc (3.5L) DOHC, M5, M6 1987-88	4 VALVE L6
21	3982cc (4.0L) DOHC, M60 1993-95	4 VALVE V8
22	4398cc (4.4L) DOHC, M30 1997-01 - 530i 1994	4 VALVE V8
23	4799cc (4.8L) DOHC, N62 2006-10	4 VALVE V8
24	4988cc (5.0L) SOHC, GAS, FI, M70 1988-94	2 VALVE V12
25	5379cc (5.4L) SOHC, GAS, FI, M73, M73N 1995-01 5576cc (5.6L) SOHC, GAS, FI, S70 1994-95	2 VALVE V12 2 VALVE V12
26	MOTORCYCLE	

BMW

1 1573cc (1.6L) SOHC, 1600, 1602 1964-71				2 VALVE	L4
1773cc (1.8L) SOHC, 1800, 1800TI/LUX 1964-69				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Guides Both	1964-71	B230	.315x.553x2.047 - O/S AVAILABLE		
	1964-71	B231	.315x.553x1.970 - O/S AVAILABLE		
	1964-71	B231+8	.315x.561x1.970		
2 1600cc (1.6L) DOHC, SOHC, GAS, FI, N12B16A, W10B16A, MINI COOPER 2002-08				4 VALVE	L4
				SEE MINI COOPER	
3 1766cc (1.8L) SOHC, GAS, FI, M10 1980-85				2 VALVE	L4
1990cc (2.0L) SOHC, GAS, CARB, FI, M10 1975-79				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves Exh.	1975-85	P3206	1.49x8mmx4.10		
	1975-85	P4319HP-C	1.53x8mmx4.10		
Seats Exh.	1975-85	PC1625-63	1.625x.290x1.345/1.380 HI-CHROME		
Guides Both	1975-85	B230	.315x.553x2.047 - O/S AVAILABLE		
	1975-85	B231	.315x.553x1.970 - O/S AVAILABLE		
	1975-85	B231+8	.315x.561x1.970		
Seals Both	1975-85	32689	.315x.425 "Viton"		
4 1796cc (1.8L) DOHC, GAS, FI, M42 1991-95				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves Int.	1991-91	P5184	1.29x7mmx4.20		
	1992-95	P5102	1.29x6mmx4.17		
	1991-91	P5165X	1.19x7mmx4.18		
	1992-95	P5103	1.19x6mmx4.16		
Seats Int.	1991-95	PC1375-55	1.375x.325x1.125 HI-CHROME		
	1991-95	M21375-55	" " " TUNGSTEN CARBIDE		
	1991-95	PC1312-64	1.312x.316x1.045 HI-CHROME		
	1991-95	M21312-64	" " " TUNGSTEN CARBIDE		
Guides Both	1991-91	B660	.275x.494x1.480 - O/S AVAILABLE		
	1992-95	B655	.235x.494x1.710 - O/S AVAILABLE		
Seals Both	1991-91	12015153	.276x.386 "Viton"		
	1991-91	12015153-P	.276x.386 "Poly"		
	1992-95	235347	.235x.347 "Viton"		
5 1895cc (1.9L) DOHC, GAS, FI, M44 1996-99				4 VALVE	L4
2494cc (2.5L) DOHC, GAS, FI, M52 1998-00				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves Int.	1996-00	P5102	1.29x6mmx4.17		
	1996-00	P5103	1.19x6mmx4.16		
Guides Both	1996-00	B655	.235x.494x1.710 - O/S AVAILABLE		
Seals Both	1996-00	235347	.235x.347 "Viton"		
6 1990cc (2.0L) SOHC, 2000/C/CS/TI, 2002/TII				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves Exh.		P3206	1.49x8mmx4.10		
		P4319HP-C	1.53x8mmx4.10		
Guides Both		B230	.315x.553x2.047 - O/S AVAILABLE		
		B231	.315x.553x1.970 - O/S AVAILABLE		
Seals Both		32689	.315x.425 "Viton"		

BMW

7 2302cc (2.3L) DOHC, M3, S14 1988-91				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Guides	Both	1988-91 1988-91	B652 B652+8	.275x.474x1.770 - O/S AVAILABLE .275x.482x1.770	
Seals	Both	1988-91 1988-91	12015153 12015153-P	.276x.386 “Viton” .276x.386 “Poly”	
8 2443cc (2.4L) SOHC, 524TD, M21 1985-86				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Guides	Exh.	1985-86	B319 LONG	.275x.514x2.040 - O/S AVAILABLE	
Seals	Both	1985-86 1985-86	12015153 12015153-P	.276x.386 “Viton” .276x.386 “Poly”	
9 2494cc (2.5L) DOHC, E90, E91, E92, LATE 328-335				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Guides	Both	06-UP	B2032	.195x.395x1.890 - O/S AVAILABLE	
10 2494cc (2.5L) SOHC, 2500 1969-71				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Guides	Both	1969-71 1969-71 1969-71	B230 B231 B231+8	.315x.553x2.047 - O/S AVAILABLE .315x.553x1.970 - O/S AVAILABLE .315x.561x1.970	
11 2494cc (2.5L) SOHC, GAS, FI, M20 1987-93				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.	1987-93 1987-93	P4358 P4359	1.65x7mmx4.03 1.41x7mmx4.03	
Seats	Int. Exh.	1987-93 1987-93 1987-93 1987-93	PC1750-60 M21750-60 PC1500-62 M21500-62	1.750x.302x1.437/1.555 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.500x.310x1.220/1.284 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Guides	Both	1987-93 1987-93 1987-93	B319 B319+8 B619	.275x.514x1.775 - O/S AVAILABLE .275x.522x1.775 .274x.521x1.775 - O/S AVAILABLE	
Seals	Both	1987-93 1987-93	12015153 12015153-P	.276x.386 “Viton” .276x.386 “Poly”	
12 2494cc (2.5L) DOHC, GAS, FI, M50, M50TU 1991-95				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.	1991-92 1993-95 1991-92 1993-95	P5184 P5102 P5165X P5103	1.29x7mmx4.20 1.29x6mmx4.17 1.19x7mmx4.18 1.19x6mmx4.16	
Seats	Int. Exh.	1991-95 1991-95 1991-95 1991-95	PC1375-55 M21375-55 PC1312-64 M21312-64	1.375x.325x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.312x.316x1.045 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Guides	Both	1991-92 1993-95	B660 B655	.275x.494x1.480 - O/S AVAILABLE .235x.494x1.710 - O/S AVAILABLE	
Seals	Both	1991-92 1991-92 1993-95	12015153 12015153-P 235347	.276x.386 “Viton” .276x.386 “Poly” .235x.347 “Viton”	

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13 2693cc (2.7L) SOHC, GAS, FI, M20 1982-88				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1982-88	P3469	1.57x7mmx4.03	
	Exh.	1982-88	P3468	1.33x7mmx4.03	
Seats	Int.	1982-85	PC1687-57	1.687x.275x1.335/1.487 HI-CHROME	
		1986-88	PC1750-60	1.750x.302x1.437/1.555 HI-CHROME	
		1986-88	M21750-60	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1982-85	PC1500-72	1.500x.275x1.182/1.260 HI-CHROME	
		1986-88	PC1500-62	1.500x.310x1.220/1.284 HI-CHROME	
		1986-88	M21500-62	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	1982-88	B319	.275x.514x1.775 - O/S AVAILABLE	
		1982-88	B319+8	.275x.522x1.775	
Seals	Both	1982-88	12015153	.276x.386 “Viton”	
		1982-88	12015153-P	.276x.386 “Poly”	
14 2788cc (2.8L) SOHC, GAS, CARB, FI, M30 1969-81				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Seats	Exh.	1969-81	PC1625-63	1.625x.290x1.345/1.380 HI-CHROME	
Guides	Both	1969-81	B230	.315x.553x2.047 - O/S AVAILABLE	
		1969-81	B231	.315x.553x1.970 - O/S AVAILABLE	
		1969-81	B231+8	.315x.561x1.970	
Seals	Both	1969-81	32689	.315x.425 “Viton”	
15 2793cc (2.8L) DOHC, GAS, FI, M52 1996-00				4 VALVE	L6
3152cc (3.2L) DOHC, GAS, FI, S52 1996-00				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1996-00	P5102	1.29x6mmx4.17	
	Exh.	1996-00	P5103	1.19x6mmx4.16	
Guides	Int.	1996-00	B657	.235x.494x1.549	
	Exh.	1996-00	B655	.235x.494x1.710 - O/S AVAILABLE	
Seals	Both	1996-00	235347	.235x.347 “Viton”	
16 2985cc (3.0L) SOHC, GAS, CARB, FI, M30 1972-77				2 VALVE	L6
3210cc (3.2L) SOHC, GAS, FI, M30 1978-84				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Seats	Exh.	1972-84	PC1625-63	1.625x.290x1.345/1.380 HI-CHROME	
Guides	Both	1972-84	B230	.315x.553x2.047 - O/S AVAILABLE	
		1972-84	B231	.315x.553x1.970 - O/S AVAILABLE	
		1972-84	B231+8	.315x.561x1.970	
Seals	Both	1972-84	32689	.315x.425 “Viton”	
17 2990cc (3.0L) DOHC, GAS, FI, S50 1995-95				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1995-95	P5102	1.29x6mmx4.17	
	Exh.	1995-95	P5103	1.19x6mmx4.16	
Seats	Int.	1995-95	PC1375-55	1.375x.325x1.125 HI-CHROME	
		1995-95	M21375-55	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1995-95	PC1312-64	1.312x.316x1.045 HI-CHROME	
		1995-95	M21312-64	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	1995-95	B655	.235x.494x1.710 BRONZE	

BMW

18 (3.0L) DOHC, GAS, N52, 328I				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Guides	Int.	2006/UP	B2032	.195x.395x1.890 BRONZE	
	Exh.	2006/UP	B2043	.235x.395x1.890 BRONZE	
19 3430cc (3.5L) SOHC, GAS, FI, M30 1985-93				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1987-93	PC1937-54	1.937x.314x1.650/1.770 HI-CHROME	
		1985-89	PC1625-63	1.625x.290x1.345/1.380 HI-CHROME	
	Exh.	1987-93	PC1625-56	1.625x.317x1.298/1.382 HI-CHROME	
		1987-93	M21625-56	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	1985-93	B230	.315x.553x2.047 - O/S AVAILABLE	
		1985-93	B231	.315x.553x1.970 - O/S AVAILABLE	
		1985-93	B231+8	.315x.561x1.970	
Seals	Both	1985-93	32689	.315x.425 “Viton”	
20 3453cc (3.5L) DOHC, M5, M6 1987-88				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Guides	Both	1987-88	B652	.275x.474x1.770 - O/S AVAILABLE	
		1987-88	B652+8	.275x.482x1.770	
Seals	Both	1987-88	12015153	.276x.386 “Viton”	
		1987-88	12015153-P	.276x.386 “Poly”	
21 3982cc (4.0L) DOHC, M60 1993-95				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Guides	Int.	1993-95	B657	.235x.494x1.549 BRONZE - O/S AVAILABLE	
	Exh.	1993-95	C657	“ “ “	
		1993-95	B655	.235x.494x1.710 BRONZE - O/S AVAILABLE	
Seals	Both	1993-95	235347	.235x.347 “Viton”	
22 4398cc (4.4L) DOHC, M30 1997-01 - 530I 1994				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Guides			B655	.235x.494x1.710 BRONZE - O/S AVAILABLE	
Seals	Both	1997-01	235347	.235x.347 “Viton”	
23 4799cc (4.8L) DOHC, N62 2006-10				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Guides	Both	2006-10	B2081	.235x.396x1.535	
24 4988cc (5.0L) SOHC, GAS, FI, M70 1988-94				2 VALVE	V12
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1988-94	PC1750-60	1.750x.302x1.437/1.555 HI-CHROME	
		1988-94	M21750-60	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1988-94	PC1500-63	1.500x.345x1.210/1.248 HI-CHROME	
		1988-94	M21500-63	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	1988-90	B618	.274x.494x1.710 - O/S AVAILABLE	
		1988-90	B618+8	.274x.502x1.775	
Seals	Both	1988-94	12015153	.276x.386 “Viton”	
		1988-94	12015153-P	.276x.386 “Poly”	

BMW

25 5379cc (5.4L) SOHC, GAS, FI, M73, M73N 1995-01 2 VALVE V12
5576cc (5.6L) SOHC, GAS, FI, S70 1994-95

PART		YEARS	PART NO.	NOTES
Seats	Int.	1994-01	PC1750-60	1.750x.302x1.437/1.555 HI-CHROME
		1994-01	M21750-60	“ “ “ TUNGSTEN CARBIDE
	Exh.	1994-01	PC1500-53	1.500x.307x1.180/1.241 HI-CHROME
		1994-01	M21500-53	“ “ “ TUNGSTEN CARBIDE

26 MOTORCYCLE

PART	APPLICATION	PART NO.	NOTES	
Guides	Int.	950cc	BMW950I	.314x.553x1.880 - OVERSIZES
	Exh.	950cc	BMW950E	.314x.553x2.115 - OVERSIZES
	Other		B664	.314x.555x1.640
			B665	.314x.555x1.452
	OE#	11341288544	B667	.275x.555x1.655 - R65 - 80+UP/R085

COSWORTH

1 MISCELLANEOUS

PART	APPLICATION	PART NO.	NOTES
Guides	Int.	B250-I	.312x.502x1.630
		B686	.281x.470x1.560 - (-30, +45)
		B5553	.279x.440x1.650
	Exh.	B250-E	.312x.502x1.300
		B685	.281x.470x1.465 - (-30, +12)
		B5552	.279x.440x1.650
	Both	B2029	.279x.440x1.600

DAEWOO

1 1588cc (1.6L) DOHC, GAS, FI, VIN 6, N, Y, LANOS 1999-02 4 VALVE L4

PART		YEARS	PART NO.		NOTES
Valves	Int.	1999-02	P5002		1.19x6mmx4.02
	Exh.	1999-02	P5003		1.02x6mmx4.02
Guides			Bronze	Cast	
	Both	1999-02	B3046	C3046	.236x.435x1.575
Seals	Both	1999-02	236435		.236x.435 “Viton”
Locks	Both	1999-02	059-211-107		Top-bead 6mm

2 2000cc (2.0L) DOHC, GAS, FI, VIN Z, X20SE ISUZU 1999-02 4 VALVE L4
2200cc (2.2L) DOHC, GAS, FI, VIN 2, X22SE ISUZU, NUBRIA 4 VALVE L4

PART		YEARS	PART NO.	NOTES
Valves	Int.	1999-02	PV4630	1.26x6mmx4.02
	Exh.	1999-02	PV4632	1.14x6mmx3.63
Seats	Int.	1999-02	PC1375E-1	1.375x.227x1.100/1.140 HI-CHROME
	Exh.	1999-02	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME
Guides			Bronze Cast	
	Int.	1999-02	C3010	.236x.395x1.773 - O/S AVAILABLE
	Exh.	1999-02	B688+1 C688+1	.235x.396x1.380
Seals	Both	1999-02	235347	.235x.347 “Viton”
Locks	Both	1999-02	059-236-6MM	3 Round-bead 6mm

DAIHATSU

1 MISCELLANEOUS				
PART		APPLICATION	PART NO.	NOTES
Guides			Bronze Cast	
	Int.	1.3/1.6L, L4	B565 C565	.262x.476x2.170
	Exh.	1.3/1.6L, L4	B567 C567	.262x.476x2.170
	Both	1.0L, L3	B566 C566	.276x.476x1.970

FERRARI

1 355 5 VALVES V8				
PART		YEARS	PART NO.	NOTES
Guides	Int.		B661	.235x.436x1.633 BRONZE - O/S
	Exh.		B662	.235x.436x1.740 BRONZE - O/S
Seals	Both		235347	.235x.347 "Viton"
2 (3.0L) DOHC 4 VALVES V8				
PART		YEARS	PART NO.	NOTES
Guides	Int.		B356I B356ISP	.275x.475x1.625 BRONZE
	Exh.		B356E B356ESP	.276x.475x1.820 BRONZE
Seals	Both		BV1483-FO 12015153	.276x.433 "Viton" .276x.386 "Viton"
3 MISCELLANEOUS				
PART		APPLICATION	PART NO.	NOTES
Guides	Both	250/275	B659	.315x.475x1.710 BRONZE - O/S AVAILABLE
		330GT/335GT	B636	.315x.514x1.710 BRONZE - O/S AVAILABLE
		330GT 2+2, 1966	B635	.314x.514x1.910 BRONZE
		SPC GT CAR	B635-SPL	.314x.475x1.910 BRONZE
		2.0/3.0L, V6/8, 306	B690	.275x.514x1.710 BRONZE - 4 VALVES
		4.0/4.8L, V12	B352	.315x.514x1.710 BRONZE - OVERSIZES
			B358	.312x.515x1.700 BRONZE - TAPERED NOSE
		V12S	B358SC	.311x.526x1.555 BRONZE
			B358SOC	.314x.514x1.810 BRONZE
			B640	.313x.476x1.842 BRONZE
			B295	.314x.514x1.810 BRONZE
			B296	.314x.475x1.810 BRONZE
			B5645	.334x.493x2.060 BRONZE

Notes:

FIAT

1 MISCELLANEOUS				L4
PART	APPLICATION	PART NO.	NOTES	
Valves	Int.	P4392HP-C	1.69x8mmx4.22x.110tip	
	Exh.	P2963HP-C	1.69x8mmx4.195x.100tip	
		P4393HP-C	1.47x8mmx4.20x.225tip	
	DOHC	P2972HP-C	1.476x.315x4.178 - DOHC	
Guides	Int.	Bronze	Cast	
		B258	C258	.315x.592x1.645 - OVERSIZES
			C233	.316x.552x1.889 - W/O SNAP RINGS
		B233+2		.316x.556x1.899 - BRONZE - O/S AVAILABLE
	Exh.	B259		.315x.592x1.860 - OVERSIZES
		B259M	C259M	.315x.555x1.860
			C234	.316x.553x1.750 - W/O SNAP RINGS
		B234+2		.316x.555x1.750 - BRONZE - O/S AVAILABLE
	Both	B287	C287	.315x.554x1.655 - OVERSIZES
		B232		.277x.513x1.792 - OVERSIZES
		B274		.315x.593x1.825 - OVERSIZES
	Other	B487		.314x.514x2.125

Notes:

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3	1237cc (1.2L) SOHC, GAS, CARB, EB3 1978-79	2 VALVE	L4
4	1335cc (1.3L) SOHC, GAS, CARB, EJ1 1980-83 1487cc (1.5L) SOHC, GAS, CARB, EM1 1980-83	2 VALVE 3 VALVE	L4 L4
5	1339cc (1.3L) SOHC, FI, HYBRID, LDA1, LDA2, LDA3 2003-13	2 VALVE	L4
6	1342cc (1.3L) SOHC, GAS, CARB, EV1, D13A2 1984-87	4 VALVE	L4
7	1487cc (1.5L) SOHC, GAS, CARB, ED1 1975-75	3 VALVE	L4
8	1487cc (1.5L) SOHC, GAS, CARB, ED2 1976-76	3 VALVE	L4
9	1487cc (1.5L) SOHC, GAS, CARB, ED3, ED4 1976-79	3 VALVE	L4
10	1487cc (1.5L) SOHC, GAS, CARB, FI, EW1 1984-86	3 VALVE	L4
11	1487cc (1.5L) SOHC, GAS, CARB, EW1, HIGH FUEL, D15A2 1985-87	3 VALVE	L4
12	1487cc (1.5L) SOHC, GAS, FI, EW3 1985-85 1487cc (1.5L) SOHC, GAS, FI, EW4, D15A3 1986-87	2 VALVE 3 VALVE	L4 L4
13	1493cc (1.5L) SOHC, GAS, FI, D15B1, D15B2 1988-91 1493cc (1.5L) SOHC, GAS, FI, D15B6 1988-91	4 VALVE 2 VALVE	L4 L4
14	1493cc (1.5L) SOHC, GAS, FI, D15B7 1992-95 1493cc (1.5L) SOHC, GAS, FI, D15B8 1992-95	4 VALVE 2 VALVE	L4 L4
15	1493cc (1.5L) SOHC, GAS, FI, D15Z1 1992-95	4 VALVE	L4
16	1497cc (1.5L) SOHC, GAS, FI, L15A1, ELECTRIC, LEA1, LEA2 2007-13 1799cc (1.8L) SOHC, CNG, FI, R18A4 2006-11	4 VALVE 4 VALVE	L4 L4
17	1590cc (1.6L) SOHC, GAS, FI, D16A6 1988-91	4 VALVE	L4
18	1590cc (1.6L) SOHC, GAS, FI, D16Y5, D16Y7, D16Y8 1996-00	4 VALVE	L4
19	1590cc (1.6L) SOHC, GAS, FI, D16Z6, VTEC 1992-95	4 VALVE	L4
20	1595cc (1.6L) DOHC, GAS, FI, B16A2 1996-00	4 VALVE	L4
21	1595cc (1.6L) DOHC, GAS, FI, B16A3 1994-95	4 VALVE	L4
22	1599cc (1.6L) SOHC, GAS, CARB, EF1 1976-78	3 VALVE	L4
23	1668cc (1.7L) SOHC, GAS, FI, D17A1, D17A2, D17A6, D17A7 2001-05	4 VALVE	L4
24	1751cc (1.8L) SOHC, EK1 1979-83	3 VALVE	L4
25	1799cc (1.8L) SOHC, GAS, FI, R18A1, R18Z1 2006-12	4 VALVE	L4
26	1829cc (1.8L) SOHC, GAS, CARB, ES1 1983-83 1829cc (1.8L) SOHC, GAS, CARB, ET2 1984-86	2 VALVE 3 VALVE	L4 L4
27	1829cc (1.8L) SOHC, GAS, CARB, ES2 1984-85 1829cc (1.8L) SOHC, GAS, CARB, FI, ES3 1984-85	3 VALVE 3 VALVE	L4 L4
28	1829cc (1.8L) SOHC, GAS, CARB, A18A1 1987-87 1955cc (2.0L) SOHC, GAS, CARB, A20A1 1987-89	3 VALVE 3 VALVE	L4 L4

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30	1955cc (2.0L) SOHC, GAS, FI, BT 1986-86	3 VALVE	L4
	1958cc (2.0L) SOHC, GAS, CARB, B20A3 1988-90	3 VALVE	L4
31	1958cc (2.0L) DOHC, GAS, FI, B20A5 1988-91	4 VALVE	L4
32	1972cc (2.0L) DOHC, GAS, FI, B20B4 1997-98	4 VALVE	L4
33	1972cc (2.0L) DOHC, GAS, FI, B20Z2 1999-01	4 VALVE	L4
34	1997cc (2.0L) DOHC, GAS, FI, F20C1 2000-03	4 VALVE	L4
	2157cc (2.2L) DOHC, GAS, FI, F22C1 2005-09	4 VALVE	L4
35	1998cc (2.0L) DOHC, GAS, FI, K20Z3 2006-08	4 VALVE	L4
36	1998cc (2.0L) DOHC, GAS, FI, K20A3 2002-05	4 VALVE	L4
37	2056cc (2.1L) DOHC, GAS, FI, B21A1 1990-91	4 VALVE	L4
38	2156cc (2.2L) SOHC, GAS, FI, F22A1, F22A4, F22A6 1990-96	4 VALVE	L4
39	2156cc (2.2L) SOHC, GAS, FI, F22B1 1994-97	4 VALVE	L4
40	2156cc (2.2L) SOHC, GAS, FI, F22B2, F22B6 1994-97	4 VALVE	L4
41	2156cc (2.2L) DOHC, GAS, FI, H22A1 1993-96	4 VALVE	L4
	2156cc (2.2L) DOHC, GAS, FI, H22A4 1997-01	4 VALVE	L4
42	2254cc (2.3L) SOHC, GAS, FI, F23A1, F23A4, F23A5, F23A7 1998-02	4 VALVE	L4
43	2259cc (2.3L) DOHC, GAS, FI, H23A1 1992-96	4 VALVE	L4
44	2354cc (2.4L) DOHC, GAS, FI, K24A1, K24A4, K24A8, K24Z1, K24Z2, K24Z7 2002-13	4 VALVE	L4
45	2354cc (2.4L) DOHC, GAS, FI, K24Z3, K24Z6 2008-12	4 VALVE	L4
46	2559cc (2.6L) SOHC, GAS, FI, 4ZE1, ISUZU 1994-96	2 VALVE	L4
47	2675cc (2.7L) SOHC, GAS, FI, C27A4 1995-97	4 VALVE	V6
48	2997cc (3.0L) SOHC, GAS, FI, J30A1, J35A1 1998-02	4 VALVE	V6
49	2997cc (3.0L) SOHC, GAS, FI, J30A4, J30A5 2003-07	4 VALVE	V6
50	3165cc (3.2L) SOHC, GAS, FI, 6VD1, ISUZU 1994-97	4 VALVE	V6
51	3165cc (3.2L) DOHC, GAS, FI, 6VD1W, ISUZU 1998-02	4 VALVE	V6
52	3471-74cc (3.5L) SOHC, GAS, FI, J35A4, J35A6, J35A7, J35A8, J35A9, J35Z1 2002-13	4 VALVE	V6
53	3471cc (3.5L) SOHC, GAS, FI, J35Z2, J35Z3, J35Z4, J35Z5 2008-13	4 VALVE	V6
54	MISCELLANEOUS		

1	995cc (1.0L) SOHC, ECA, VTEC HYBRID 2000-06	4 VALVE	L3
PART	YEARS	PART NO.	NOTES
Guides Both	2000-05 2000-05	B538 C538	.217x.436x1.875 BRONZE “ “ “
Locks Both	2000-05	059-245-5.5	Top-bead 5.5mm

HONDA

2 1237cc (1.2L) SOHC, GAS, CARB, EB1, EB2 1973-77 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seats	Exh.	1973-77	PC1375-52	1.375x.410x1.000/1.109 HI-CHROME
Guides	Int.	1973-77	Bronze Cast B263 C263	.260x.476x2.040 - O/S AVAILABLE
		1973-77	B265 C265	.260x.476x1.983
	Exh.	1973-77	B264 C264	.260x.476x2.470 - O/S AVAILABLE
		1973-77	B266 C266	.260x.476x2.350
Seals	Both	1974-77	AV6816-E0	.217x.346 “Viton” - Jet Valve Seal
		1973-77	AV8637-QO	.260x.472 “Viton” - “Poly” available

3 1237cc (1.2L) SOHC, GAS, CARB, EB3 1978-79 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seats	Int.	1978-79	PC1562-51	1.562x.354x1.245/1.268 HI-CHROME
	Exh.	1978-79	PC1437-53	1.437x.354x1.090/1.101 HI-CHROME
Guides	Int.	1978-79	Bronze Cast B263 C263	.260x.476x2.040 - O/S AVAILABLE
		1978-79	B264 C264	.260x.476x2.470 - O/S AVAILABLE
	Exh.	1978-79		
		1978-79		
Seals	Both	1978-79	AV6816-E0	.217x.346 “Viton” - Jet Valve Seal
		1978-79	AV8637-QO	.260x.472 “Viton” - “Poly” available

4 1335cc (1.3L) SOHC, GAS, CARB, EJ1 1980-83 2 VALVE L4				
1487cc (1.5L) SOHC, GAS, CARB, EM1 1980-83 3 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1980-81	P3596	1.37x6.6mmx4.44
	Exh.	1980-81	P3092	1.10x6.6mmx4.44
Seats	Int.	1980-83	PC1500-64	1.500x.325x1.140/1.290 HI-CHROME
	Exh.	1980-83	PC1250-52	1.250x.285x0.910/1.052 HI-CHROME
		1980-83	M21250-52	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	1980-83	Bronze Cast B607 C607	.260x.475x1.970 - O/S AVAILABLE
		1980-83	B286 C286	.260x.476x2.150 - O/S AVAILABLE
	Exh.	1980-83	B302 C302	.260x.475x2.160 - O/S AVAILABLE
		1980-83	B486	.260x.475x2.165
Seals	Both	1980-83	AV8637-QO	.260x.472 “Viton” - “Poly” available

5 1339cc (1.3L) SOHC, FI, HYBRID, LDA1, LDA2, LDA3 2003-13 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2003-08	PV2560	1.14x5.5mmx4.53
		2003-08	PV2560HP-C	1.18x5.5mmx4.52 - 1mm O/S
	Exh.	2003-08	PV2561	0.98x5.5mmx4.68
		2003-08	PV2561HP-C	1.02x5.5mmx4.67 - 1mm O/S
Seats	Int.	2003-08	PC1062-50	1.062x.254x0.790 HI-CHROME
	Exh.	2003-08	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME
Guides	Int.	2011-12	B538	.217x.436x1.875 BRONZE
		2011-12	C538	“ “ “
	Exh.	2011-12	C8157	.217x.435x2.130
Seals	Both	2003-08	UVO606-G0	.217x.433 “Viton” - “Poly” available
Locks	Both	2003-08	059-245-5.5	Top-bead 5.5mm

HONDA

6 1342cc (1.3L) SOHC, GAS, CARB, EV1, D13A2 1984-87					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1984-87	P3242		1.18x6.6mmx4.43	
	Exh.	1984-87	P3233		1.14x6.6mmx4.48	
Seats	Both	1984-87 1984-87	PC1250-52 M21250-52		1.250x.285x0.910/1.052 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Guides	Int. Exh.	1984-87	Bronze	Cast		
		1984-87	B607	C607	.260x.475x1.970 - O/S AVAILABLE	
		1984-87	B286	C286	.260x.476x2.150 - O/S AVAILABLE	
		1984-87	B302	C302	.260x.475x2.160 - O/S AVAILABLE	
		1984-87	B486		.260x.475x2.165	
Seals	Both	1984-87	AV8637-QO		.260x.472 “Viton” - “Poly” available	
Locks	Both	1984-87	059-211-054		Top-bead 6.6mm	
7 1487cc (1.5L) SOHC, GAS, CARB, ED1 1975-75					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1975-75	PC1500-65		1.500x.325x1.140/1.240 HI-CHROME	
	Exh.	1975-75	PC1250-52		1.250x.285x0.910/1.052 HI-CHROME	
		1975-75	M21250-52		“ “ “ TUNGSTEN CARBIDE	
Guides	Int. Exh.	1975-75	Bronze	Cast		
		1975-75	B263	C263	.260x.476x2.040 - O/S AVAILABLE	
		1975-75	B286	C286	.260x.476x2.150	
		1975-75	B264	C264	.260x.476x2.470 - O/S AVAILABLE	
		1975-75	B486		.260x.475x2.165	
Springs	Exh.	1975-75	051-289		1.33odx0.94id* 70Lb.@1.60 - OUTER	
8 1487cc (1.5L) SOHC, GAS, CARB, ED2 1976-76					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1976-76	PC1500-65		1.500x.325x1.140/1.240 HI-CHROME	
	Exh.	1976-76	PC1250-52		1.250x.285x0.910/1.052 HI-CHROME	
		1976-76	M21250-52		“ “ “ TUNGSTEN CARBIDE	
Guides	Int. Exh.	1976-76	Bronze	Cast		
		1976-76	B263	C263	.260x.476x2.040 - O/S AVAILABLE	
		1976-76	B286	C286	.260x.476x2.150	
		1976-76	B264	C264	.260x.476x2.470 - O/S AVAILABLE	
		1976-76	B486		.260x.475x2.165	
Seals	Both	1976-76	AV6816-E0		.217x.346 “Viton” - Jet Valve Seal	
		1976-76	AV8637-QO		.260x.472 “Viton” - “Poly” available	
9 1487cc (1.5L) SOHC, GAS, CARB, ED3, ED4 1976-79					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1977-79	P3596		1.37x6.6mmx4.44	
Seats	Int.	1976-79	PC1500-64		1.500x.325x1.140/1.290 HI-CHROME	
	Exh.	1976-79	PC1250-52		1.250x.285x0.910/1.052 HI-CHROME	
		1976-79	M21250-52		“ “ “ TUNGSTEN CARBIDE	
Guides	Int. Exh.	1976-79	Bronze	Cast		
		1976-79	B607	C607	.260x.475x1.970 - O/S AVAILABLE	
		1976-79	B286	C286	.260x.476x2.150 - O/S AVAILABLE	
		1976-79	B302	C302	.260x.475x2.160 - O/S AVAILABLE	
		1976-79	B486		.260x.475x2.165	
Seals	Both	1976-79	AV6816-E0		.217x.346 “Viton” - Jet Valve Seal	
		1976-79	AV8637-QO		.260x.472 “Viton” - “Poly” available	

HONDA

10 1487cc (1.5L) SOHC, GAS, CARB, FI, EW1 1984-86					3 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1984-86	P3268	1.06x6.6mmx4.44		
	Exh.	1984-86	P3232	1.26x6.6mmx4.48		
Seats	Int.	1984-86	PC1125-54	1.125x.325x0.900 HI-CHROME		
	Exh.	1984-86	PC1375-55	1.375x.325x1.125 HI-CHROME		
		1984-86	M21375-55	“ “ “ TUNGSTEN CARBIDE		
Guides			Bronze Cast			
	Int.	1984-86	B607 C607	.260x.475x1.970 - O/S AVAILABLE		
	Exh.	1984-86	B286 C286	.260x.476x2.150 - O/S AVAILABLE		
		1984-86	B302 C302	.260x.475x2.160 - O/S AVAILABLE		
		1984-86	B486	.260x.475x2.165		
Seals	Both	1984-86	AV8637-QO	.260x.472 “Viton” - “Poly” available		
Locks	Both	1984-86	059-211-054	Top-bead 6.6mm		
11 1487cc (1.5L) SOHC, GAS, CARB, EW1, HIGH FUEL, D15A2 1985-87					3 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1985-87	P3242	1.18x6.6mmx4.43		
	Exh.	1985-87	P3233	1.14x6.6mmx4.48		
Seats	Both	1985-87	PC1250-52	1.250x.285x0.910/1.052 HI-CHROME		
		1985-87	M21250-52	“ “ “ TUNGSTEN CARBIDE		
Guides			Bronze Cast			
	Int.	1985-87	B607 C607	.260x.475x1.970 - O/S AVAILABLE		
	Exh.	1985-87	B286 C286	.260x.476x2.150 - O/S AVAILABLE		
		1985-87	B302 C302	.260x.475x2.160 - O/S AVAILABLE		
		1985-87	B486	.260x.475x2.165		
Seals	Exh.	1985-87	AV8675-VI	.260x.410 “Viton” - “Poly” available		
	Both	1985-87	AV8637-QO	.260x.472 “Viton” - “Poly” available		
Locks	Both	1985-87	059-211-054	Top-bead 6.6mm		
12 1487cc (1.5L) SOHC, GAS, FI, EW3 1985-85					2 VALVE	L4
1487cc (1.5L) SOHC, GAS, FI, EW4, D15A3 1986-87					3 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1985-87	P3268	1.06x6.6mmx4.44		
	Exh.	1985-87	P3800	1.30x6.6mmx4.48		
Seats	Int.	1985-87	PC1125-54	1.125x.325x0.900 HI-CHROME		
	Exh.	1985-87	PC1375-55	1.375x.325x1.125 HI-CHROME		
		1985-87	M21375-55	“ “ “ TUNGSTEN CARBIDE		
Guides			Bronze Cast			
	Int.	1985-87	B607 C607	.260x.475x1.970 - O/S AVAILABLE		
	Exh.	1985-87	B286 C286	.260x.476x2.150 - O/S AVAILABLE		
		1985-87	B302 C302	.260x.475x2.160 - O/S AVAILABLE		
		1985-87	B486	.260x.475x2.165		
Seals	Exh.	1985-85	AV8675-VI	.260x.410 “Viton” - “Poly” available		
	Both	1985-87	AV8637-QO	.260x.472 “Viton” - “Poly” available		
Locks	Both	1985-87	059-211-054	Top-bead 6.6mm		

HONDA

13 1493cc (1.5L) SOHC, GAS, FI, D15B1, D15B2 1988-91				4 VALVE	L4
1493cc (1.5L) SOHC, GAS, FI, D15B6 1988-91				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1988-91	PV2560	1.14x5.5mmx4.53	
		1988-91	PV2560HP-C	1.18x5.5mmx4.52 - 1mm O/S	
	Exh.	1988-91	PV2561	0.98x5.5mmx4.68	
		1988-91	PV2561HP-C	1.02x5.5mmx4.67 - 1mm O/S	
Seats	Int.	1988-91	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME	
	Exh.	1988-91	PC1062-50	1.062x.254x0.790 HI-CHROME	
Guides	Int.	1988-91	Bronze Cast		
		1988-91	B538 C538	.217x.436x1.875	
		1988-91	B623	.217x.475x1.640	
		1988-91	B623+2 C623+2	.217x.477x1.640	
	Exh.	1988-91	C8397	.217x.476x1.640	
		1988-91	B539 C539	.217x.436x2.125 - O/S AVAILABLE	
		1988-91	B624	.217x.475x1.870	
		1988-91	C624+2	.217x.476x1.870	
Seals	Both	1988-91	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1988-91	059-245-5.5	Top-bead 5.5mm	
14 1493cc (1.5L) SOHC, GAS, FI, D15B7 1992-95				4 VALVE	L4
1493cc (1.5L) SOHC, GAS, FI, D15B8 1992-95				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1992-95	PV2560	1.14x5.5mmx4.53	
		1992-95	PV2560HP-C	1.18x5.5mmx4.52 - 1mm O/S	
	Exh.	1992-95	PV2561	0.98x5.5mmx4.68	
		1992-95	PV2561HP-C	1.02x5.5mmx4.67 - 1mm O/S	
Seats	Int.	1992-95	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME	
	Exh.	1992-95	PC1062-50	1.062x.254x0.790 HI-CHROME	
Guides	Int.	1992-95	Bronze Cast		
		1992-95	B538 C538	.217x.436x1.875	
	Exh.	1992-95	B539 C539	.217x.436x2.125 - O/S AVAILABLE	
		1992-95			
Seals	Both	1992-95	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1992-95	059-245-5.5	Top-bead 5.5mm	
15 1493cc (1.5L) SOHC, GAS, FI, D15Z1 1992-95				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Guides	Both	1992-95	B538	.217x.436x1.875 BRONZE	
		1992-95	C538	" " "	
Seals	Both	1992-95	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	1992-95	059-245-5.5	Top-bead 5.5mm	
16 1497cc (1.5L) SOHC, GAS, FI, L15A1, ELECTRIC, LEA1, LEA2 2007-13				4 VALVE	L4
1799cc (1.8L) SOHC, CNG, FI, R18A4 2006-11				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	2006-11	UVO606-G0	.217x.433 "Viton" - "Poly" available	
Locks	Both	2006-11	059-245-5.5	Top-bead 5.5mm	

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17 1590cc (1.6L) SOHC, GAS, FI, D16A6 1988-91 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1988-91	PV2560	1.14x5.5mmx4.53
		1988-91	PV2560HP-C	1.18x5.5mmx4.52 - 1mm O/S
	Exh.	1988-91	PV2561	0.98x5.5mmx4.68
		1988-91	PV2561HP-C	1.02x5.5mmx4.67 - 1mm O/S
Seats	Int.	1988-91	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME
	Exh.	1988-91	PC1062-50	1.062x.254x0.790 HI-CHROME
Guides	Int.	1988-91	Bronze Cast	
			B538 C538	.217x.436x1.875
	Exh.	1988-91	B539 C539	.217x.436x2.125 - O/S AVAILABLE
Seals	Both	1988-91	UVO606-G0	.217x.433 "Viton" - "Poly" available
Locks	Both	1988-91	059-245-5.5	Top-bead 5.5mm
18 1590cc (1.6L) SOHC, GAS, FI, D16Y5, D16Y7, D16Y8 1996-00 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1996-00	PV4370	1.18x5.5mmx4.66
		1996-00	PV4370HP-C	1.22x5.5mmx4.66 - 1mm O/S
	Exh.	1996-00	PV4372	1.02x5.5mmx4.56
		1996-00	PV4372HP-C	1.06x5.5mmx4.56 - 1mm O/S
Seats	Int.	1996-00	PC1250-62	1.250x.305x1.000 HI-CHROME
	Exh.	1996-00	PC1062-51	1.062x.195x0.870 HI-CHROME
Guides	Int.	1996-00	Bronze Cast	
			B538 C538	.217x.436x1.875
	Exh.	1996-00	B539 C539	.217x.436x2.125 - O/S AVAILABLE
Seals	Both	1996-00	UVO606-G0	.217x.433 "Viton" - "Poly" available
Locks	Both	1996-00	059-245-5.5	Top-bead 5.5mm
19 1590cc (1.6L) SOHC, GAS, FI, D16Z6, VTEC 1992-95 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1992-95	PV4370	1.18x5.5mmx4.66
		1992-95	PV4370HP-C	1.22x5.5mmx4.66 - 1mm O/S
	Exh.	1992-95	PV4372	1.02x5.5mmx4.56
		1992-95	PV4372HP-C	1.06x5.5mmx4.56 - 1mm O/S
Seats	Int.	1992-95	PC1250-62	1.250x.305x1.000 HI-CHROME
	Exh.	1992-95	PC1062-51	1.062x.195x0.870 HI-CHROME
Guides	Both	1992-95	B538	.217x.436x1.875 BRONZE
		1992-95	C538	" " "
Seals	Both	1992-95	UVO606-G0	.217x.433 "Viton" - "Poly" available
Locks	Both	1992-95	059-245-5.5	Top-bead 5.5mm
20 1595cc (1.6L) DOHC, GAS, FI, B16A2 1996-00 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1996-00	P4376SHP	1.29x5.5mmx4.03 - Standard High Performance
		1996-00	P4376HP-C	1.33x5.5mmx4.03 - 1mm O/S
	Exh.	1996-00	P4377SHP	1.10x5.5mmx4.03 - Standard High Performance
		1996-00	P4377HP-C	1.14x5.5mmx4.03 - 1mm O/S
Seats	Exh.	1996-00	PC1250-58	1.250x.255x0.955 HI-CHROME
		1996-00	PC1375-56	1.375x.260x1.102 HI-CHROME

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20 1595cc (1.6L) DOHC, GAS, FI, B16A2 1996-00 (CONT.) 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Int.	1996-00	Bronze Cast B623	.217x.475x1.640
		1996-00	B623+2 C623+2	.217x.477x1.640
		1996-00	C8397	.217x.476x1.640
	Exh.	1996-00	B624	.217x.475x1.870
		1996-00	C624+2	.217x.476x1.870
Seals	Both	1996-00	UVO606-G0	.217x.433 “Viton” - “Poly” available
Locks	Both	1996-00	059-245-5.5	Top-bead 5.5mm
21 1595cc (1.6L) DOHC, GAS, FI, B16A3 1994-95 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1994-95	P4376SHP	1.29x5.5mmx4.03 - Standard High Performance
		1994-95	P4376HP-C	1.33x5.5mmx4.03 - 1mm O/S
	Exh.	1994-95	P4377SHP	1.10x5.5mmx4.03 - Standard High Performance
		1994-95	P4377HP-C	1.14x5.5mmx4.03 - 1mm O/S
Seats	Int.	1994-95	PC1375-56	1.375x.260x1.102 HI-CHROME
	Exh.	1994-95	PC1250-58	1.250x.255x0.955 HI-CHROME
Guides	Int.	1994-95	Bronze Cast B623	.217x.475x1.640
		1994-95	B623+2 C623+2	.217x.477x1.640
		1994-95	C8397	.217x.476x1.640
	Exh.	1994-95	B624	.217x.475x1.870
		1994-95	C624+2	.217x.476x1.870
Seals	Both	1994-95	UVO606-G0	.217x.433 “Viton” - “Poly” available
Locks	Both	1994-95	059-245-5.5	Top-bead 5.5mm
22 1599cc (1.6L) SOHC, GAS, CARB, EF1 1976-78 3 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1976-78	P3596	1.37x6.6mmx4.44
Seats	Int.	1976-78	PC1500-64	1.500x.325x1.140/1.290 HI-CHROME
	Exh.	1976-78	PC1250-52	1.250x.285x0.910/1.052 HI-CHROME
		1976-78	M21250-52	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	1976-78	Bronze Cast B263 C263	.260x.476x2.040 - O/S AVAILABLE
		1976-78	B286 C286	.260x.476x2.150 - O/S AVAILABLE
	Exh.	1976-78	B486	.260x.475x2.165
		Seals	1976-78	AV6816-E0
1976-78	AV8637-QO		.260x.472 “Viton” - “Poly” available	
23 1668cc (1.7L) SOHC, GAS, FI, CNG, D17A1, D17A2, D17A6, D17A7 2001-05 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2001-05	PV4370	1.18x5.5mmx4.66
		2001-05	PV4370HP-C	1.22x5.5mmx4.66 - 1mm O/S
	Exh.	2001-05	PV4372	1.02x5.5mmx4.56
		2001-05	PV4372HP-C	1.06x5.5mmx4.56 - 1mm O/S
Seals	Int.	2001-05	PC1250-62	1.250x.305x1.000 HI-CHROME
	Exh.	2001-05	PC1062-50	1.062x.254x0.790 HI-CHROME
Guides	Int.	2001-05	Bronze Cast B538 C538	.217x.436x1.875
		2001-05	B539 C539	.217x.436x2.125 - O/S AVAILABLE

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23 1668cc (1.7L) SOHC, GAS, FI, CNG, D17A1, D17A2, D17A6, D17A7 2001-05 (CONT.)					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seals	Both	2001-05	UVO606-G0		.217x.433 “Viton” - “Poly” available	
Locks	Both	2001-05	059-245-5.5		Top-bead 5.5mm	
24 1751cc (1.8L) SOHC, EK1 1979-83					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1979-80	P3127		1.33x7mmx4.45 - EX CA	
		1980-81	P3146		1.37x7mmx4.46 (CA ONLY 80) 81 ALL	
	Exh.	1979-81	P3153		1.10x7mmx4.45	
Seats	Int.	1979-81	PC1500-64		1.500x.325x1.140/1.290 HI-CHROME	
		1982-83	PC1500-75		1.500x.300x1.180 HI-CHROME	
	Exh.	1979-81	PC1250-52		1.250x.285x0.910/1.052 HI-CHROME	
		1979-81	M21250-52		“ “ “ TUNGSTEN CARBIDE	
		1982-83	PC1312-68		1.312x.280x0.976 HI-CHROME	
Guides	Int.	1982-83	Bronze	Cast		
			B299	C299	.276x.475x1.970 - O/S AVAILABLE	
	Exh.	1982-83	B300	C300	.277x.475x1.970 - O/S AVAILABLE	
		1982-83	B297	C297	.275x.475x2.160 - O/S AVAILABLE	
Seals	Both	1979-81	AV8675-VI		.260x.410 “Viton” - “Poly” available - Jet Valve Seal	
		1982-83	BV3558-EO		.276x.480 “Viton” - “Poly” available	
25 1799cc (1.8L) SOHC, GAS, FI, R18A1, R18Z1 2006-12					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Exh.	2006-12	PV4372		1.02x5.5mmx4.56	
		2006-12	PV4372HP-C		1.06x5.5mmx4.56 - 1mm O/S	
Seals	Both	2006-12	UVO606-G0		.217x.433 “Viton” - “Poly” available	
Locks	Both	2006-12	059-245-5.5		Top-bead 5.5mm	
26 1829cc (1.8L) SOHC, GAS, CARB, ES1 1983-83					2 VALVE	L4
1829cc (1.8L) SOHC, GAS, CARB, ET2 1984-86					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1983-86	P3272		1.18x6.6mmx4.74	
	Exh.	1983-86	P3271		1.37x7mm4.75	
Seats	Int.	1983-86	PC1312-56		1.312x.305x1.086 HI-CHROME	
	Exh.	1983-86	PC1500-69		1.500x.318x1.255 HI-CHROME	
Guides	Int.	1983-86	Bronze	Cast		
			B607	C607	.260x.475x1.970 - O/S AVAILABLE	
	Exh.	1983-86	B297	C297	.275x.475x2.160 - O/S AVAILABLE	
Seals	Int.	1983-86	AV8637-QO		.260x.472 “Viton” - “Poly” available	
	Exh.	1983-86	BV3558-EO		.276x.480 “Viton” - “Poly” available	
Locks	Int.	1983-86	059-211-054		Top-bead 6.6mm	
27 1829cc (1.8L) SOHC, GAS, CARB, ES2 1984-85					3 VALVE	L4
1829cc (1.8L) SOHC, GAS, CARB, FI, ES3 1984-85					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1984-85	P3272		1.18x6.6mmx4.74	
	Exh.	1984-85	P3271		1.37x7mm4.75	
Seats	Int.	1984-85	PC1312-56		1.312x.305x1.086 HI-CHROME	
	Exh.	1984-85	PC1500-69		1.500x.318x1.255 HI-CHROME	
Guides	Int.	1984-85	Bronze	Cast		
			B607	C607	.260x.475x1.970 - O/S AVAILABLE	
	Exh.	1984-85	B297	C297	.275x.475x2.160 - O/S AVAILABLE	

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27 1829cc (1.8L) SOHC, GAS, CARB, ES2 1984-85 (CONT.)				3 VALVE	L4
1829cc (1.8L) SOHC, GAS, CARB, FI, ES3 1984-85				3 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seals	Int.	1984-85	AV8637-QO	.260x.472 "Viton" - "Poly" available	
	Exh.	1984-85	BV3558-EO	.276x.480 "Viton" - "Poly" available	
Locks	Int.	1984-85	059-211-054	Top-bead 6.6mm	
28 1829cc (1.8L) SOHC, GAS, CARB, A18A1 1987-87				3 VALVE	L4
1955cc (2.0L) SOHC, GAS, CARB, A20A1 1987-89				3 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1987-89	P3272	1.18x6.6mmx4.74	
	Exh.	1987-89	P3271	1.37x7mm4.75	
Seats	Int.	1987-89	PC1312-56	1.312x.305x1.086 HI-CHROME	
	Exh.	1987-89	PC1500-69	1.500x.318x1.255 HI-CHROME	
Guides	Int.	1987-89	Bronze B607	.260x.475x1.970 - O/S AVAILABLE	
	Exh.	1987-89	Cast C607	.275x.475x2.160 - O/S AVAILABLE	
Seals	Int.	1987-89	AV8637-QO	.260x.472 "Viton" - "Poly" available	
	Exh.	1987-89	BV3558-EO	.276x.480 "Viton" - "Poly" available	
Locks	Int.	1987-89	059-211-054	Top-bead 6.6mm	
29 1955cc (2.0L) SOHC, GAS, FI, A20A3 1987-89				3 VALVE	L4
1955cc (2.0L) SOHC, GAS, CARB, FI, BS 1986-86				3 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1986-89	P3272	1.18x6.6mmx4.74	
	Exh.	1986-89	P3271	1.37x7mm4.75	
Seats	Int.	1986-89	PC1312-56	1.312x.305x1.086 HI-CHROME	
	Exh.	1986-89	PC1500-69	1.500x.318x1.255 HI-CHROME	
Guides	Int.	1986-89	Bronze B607	.260x.475x1.970 - O/S AVAILABLE	
	Exh.	1986-89	Cast C607	.275x.475x2.160 - O/S AVAILABLE	
Seals	Int.	1986-89	AV8637-QO	.260x.472 "Viton" - "Poly" available	
	Exh.	1986-89	BV3558-EO	.276x.480 "Viton" - "Poly" available	
Locks	Int.	1986-89	059-211-054	Top-bead 6.6mm	
30 1955cc (2.0L) SOHC, GAS, FI, BT 1986-86				3 VALVE	L4
1958cc (2.0L) SOHC, GAS, CARB, B20A3 1988-90				3 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1986-90	P3272	1.18x6.6mmx4.74	
	Exh.	1986-90	P3271	1.37x7mm4.75	
Seats	Int.	1986-90	PC1312-56	1.312x.305x1.086 HI-CHROME	
	Exh.	1986-90	PC1500-69	1.500x.318x1.255 HI-CHROME	
Guides	Int.	1986-90	Bronze B607	.260x.475x1.970 - O/S AVAILABLE	
	Exh.	1986-90	Cast C607	.275x.475x2.160 - O/S AVAILABLE	
Seals	Int.	1986-90	AV8637-QO	.260x.472 "Viton" - "Poly" available	
	Exh.	1986-90	BV3558-EO	.276x.480 "Viton" - "Poly" available	
Locks	Int.	1986-90	059-211-054	Top-bead 6.6mm	

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31 1958cc (2.0L) DOHC, GAS, FI, B20A5 1988-91				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1988-91	P3331	1.29x6.6mmx4.11	
	Exh.	1988-91	PV2547	1.10x6.6mmx4.17	
		1988-91	PV2547HP-C	1.14x6.6mmx4.17 - 1mm O/S	
Seats	Int.	1988-91	PC1375-55	1.375x.325x1.125 HI-CHROME	
		1988-91	M21375-55	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1988-91	PC1250-63	1.250x.325x0.930 HI-CHROME	
Guides			Bronze Cast		
	Int.	1988-91	B568 C568	.260x.476x1.770	
	Exh.	1988-91	B535 C535	.260x.476x1.975	
Seals	Both	1988-91	AV8637-QO	.260x.472 “Viton” - “Poly” available	
Locks	Both	1988-91	059-211-054	Top-bead 6.6mm	
32 1972cc (2.0L) DOHC, GAS, FI, B20B4 1997-98				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1997-98	PV4583	1.22x6.6mmx4.15	
		1997-98	PV2626HP-C	1.26x6.6mmx4.15 - 1mm O/S	
	Exh.	1997-98	PV2547	1.10x6.6mmx4.17	
		1997-98	PV2547HP-C	1.14x6.6mmx4.17 - 1mm O/S	
Guides			Bronze Cast		
	Int.	1997-98	B568 C568	.260x.476x1.770	
	Exh.	1997-98	B535 C535	.260x.476x1.975	
Seals	Both	1997-98	BV3159-EO	.260x.472 “Viton”	
Locks	Both	1997-98	059-211-054	Top-bead 6.6mm	
33 1972cc (2.0L) DOHC, GAS, FI, B20Z2 1999-01				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1999-01	PV4583	1.22x6.6mmx4.15	
		1999-01	PV2626HP-C	1.26x6.6mmx4.15 - 1mm O/S	
	Exh.	1999-01	PV2547	1.10x6.6mmx4.17	
		1999-01	PV2547HP-C	1.14x6.6mmx4.17 - 1mm O/S	
Seats	Exh.	1999-01	PC1250-59	1.250x.329x0.982	
Guides			Bronze Cast		
	Int.	1999-01	B568 C568	.260x.476x1.770	
	Exh.	1999-01	B535 C535	.260x.476x1.975	
Seals	Both	1999-01	BV3159-EO	.260x.472 “Viton”	
Locks	Both	1999-01	059-211-054	Top-bead 6.6mm	
34 1997cc (2.0L) DOHC, GAS, FI, F20C1 2000-03				4 VALVE	L4
2157cc (2.2L) DOHC, GAS, FI, F22C1 2005-09				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	2000-03	UVO606-G0	.217x.433 “Viton” - “Poly” available	
35 1998cc (2.0L) DOHC, GAS, FI, K20Z3 2006-08				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	2006-08	UVO606-G0	.217x.433 “Viton” - “Poly” available	
Locks	Both	2006-08	059-245-5.5	Top-bead 5.5mm	
36 1998cc (2.0L) DOHC, GAS, FI, K20A3 2002-05				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Guides	Exh.	2002-05	C3137	.217x.437x1.790	

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37 2056cc (2.1L) DOHC, GAS, FI, B21A1 1990-91 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1990-91	P3331	1.29x6.6mmx4.11
	Exh.	1990-91	PV2638	1.10x6.6mmx4.13
Seats	Int.	1990-91	PC1375-55	1.375x.325x1.125 HI-CHROME
		1990-91	M21375-55	“ “ “ TUNGSTEN CARBIDE
	Exh.	1990-91	PC1250-63	1.250x.325x0.930 HI-CHROME
Guides	Int.	1990-91	Bronze Cast	
	Exh.	1990-91	B568 C568	.260x.476x1.770
			B535 C535	.260x.476x1.975
Seals	Both	1990-91	AV8637-QO	.260x.472 “Viton” - “Poly” available
Locks	Both	1990-91	059-211-054	Top-bead 6.6mm
38 2156cc (2.2L) SOHC, GAS, FI, F22A1, F22A4, F22A6 1990-96 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1990-96	PV2566	1.33x5.5mmx4.41
		1990-96	PV2566HP-C	1.35x5.5mmx4.41 - 0.5mm O/S
		1990-96	PV4573	1.33x5.5mmx4.56
	Exh.	1990-96	PV2565	1.14x5.5mmx4.86
		1990-96	PV2565HP-C	1.16x5.5mmx4.86 - 0.5mm O/S
Seats	Int.	1990-96	PC1375-65	1.375x.310x1.165 HI-CHROME
	Exh.	1990-96	PC1250-64	1.250x.270x0.970 HI-CHROME
Guides	Int.	1990-96	Bronze Cast	
	Exh.	1990-96	B538 C538	.217x.436x1.875
			B539 C539	.217x.436x2.125 - O/S AVAILABLE
Seals	Both	1990-96	UVO606-G0	.217x.433 “Viton” - “Poly” available
Locks	Both	1990-96	059-245-5.5	Top-bead 5.5mm
39 2156cc (2.2L) SOHC, GAS, FI, F22B1 1994-97 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1994-97	PV4573	1.33x5.5mmx4.56
		1994-97	P4378HP-C	1.37x5.5mmx4.56 - 1mm O/S
	Exh.	1994-97	PV4561	1.14x5.5mmx4.49
		1994-97	P4379HP-C	1.18x5.5mmx4.49 - 1mm O/S
Seats	Int.	1994-97	PC1375-55	1.375x.325x1.125 HI-CHROME
		1994-97	M21375-55	“ “ “ TUNGSTEN CARBIDE
	Exh.	1994-97	PC1250-64	1.250x.270x0.970 HI-CHROME
Guides	Int.	1994-97	Bronze Cast	
	Exh.	1994-97	B538 C538	.217x.436x1.875
			B539 C539	.217x.436x2.125 - O/S AVAILABLE
Seals	Both	1994-97	UVO606-G0	.217x.433 “Viton” - “Poly” available
Locks	Both	1994-97	059-245-5.5	Top-bead 5.5mm
40 2156cc (2.2L) SOHC, GAS, FI, F22B2, F22B6 1994-97 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1994-97	PV4349	1.26x5.5mmx4.41
	Exh.	1994-97	PV2565	1.14x5.5mmx4.86
		1994-97	PV2565HP-C	1.16x5.5mmx4.86 - 0.5mm O/S
Seats	Int.	1994-97	PC1375-55	1.375x.325x1.125 HI-CHROME
		1994-97	M21375-55	“ “ “ TUNGSTEN CARBIDE
	Exh.	1994-97	PC1250-64	1.250x.270x0.970 HI-CHROME

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40 2156cc (2.2L) SOHC, GAS, FI, F22B2, F22B6 1994-97 (CONT.)					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Guides	Int.	1994-97	Bronze B538	Cast C538	.217x.436x1.875	
	Exh.	1994-97	B539	C539	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1994-97	UVO606-G0		.217x.433 "Viton" - "Poly" available	
Locks	Both	1994-97	059-245-5.5		Top-bead 5.5mm	
41 2156cc (2.2L) DOHC, GAS, FI, H22A1 1993-96					4 VALVE	L4
2156cc (2.2L) DOHC, GAS, FI, H22A4 1997-01					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1993-01	PV4513HP-C		1.41x5.5mmx4.20 - 1mm O/S	
	Exh.	1993-01	PV4514		1.18x5.5mmx4.21	
		1993-01	PV4514HP-C		1.22x5.5mmx4.21 - 1mm O/S	
Seats	Int.	1993-01	PC1375-65		1.375x.310x1.165 HI-CHROME	
	Exh.	1993-01	PC1250-62		1.250x.305x1.000 HI-CHROME	
Guides	Int.	1993-01	Bronze B8582	Cast C8582	.217x.476x1.715	
	Exh.	1993-01	B8583	C8583	.217x.476x2.045	
Seals	Both	1993-01	UVO606-G0		.217x.433 "Viton" - "Poly" available	
42 2254cc (2.3L) SOHC, GAS, FI, F23A1, F23A4, F23A5, F23A7 1998-02					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1998-02	PV4573		1.33x5.5mmx4.56	
		1998-02	P4378HP-C		1.37x5.5mmx4.56 - 1mm O/S	
	Exh.	1998-02	PV4561		1.14x5.5mmx4.49	
		1998-02	P4379HP-C		1.18x5.5mmx4.49 - 1mm O/S	
Guides	Int.	1998-02	Bronze B538	Cast C538	.217x.436x1.875	
	Exh.	1998-02	B539	C539	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	1998-02	UVO606-G0		.217x.433 "Viton" - "Poly" available	
Locks	Both	1998-02	059-245-5.5		Top-bead 5.5mm	
43 2259cc (2.3L) DOHC, GAS, FI, H23A1 1992-96					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1992-96	PV3919		1.33x6.6mmx4.08	
	Exh.	1992-96	PV2640		1.14x6.6mmx4.04	
Guides	Int.	1992-96	Bronze B588	Cast C588	.261x.476x1.535	
	Exh.	1992-96	B589	C589	.261x.476x1.690	
Seals	Both	1992-96	BV3159-EO		.260x.472 "Viton" - "Poly" available	
Locks	Both	1992-96	059-211-054		Top-bead 6.6mm	
44 2354cc (2.4L) DOHC, GAS, FI, K24A1, K24A4, K24A8, K24Z1, K24Z2, K24Z7 2002-13					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	2002-11	P5154N		1.18x5.5mmx4.28 NITRIDED	
Guides	Exh.	2002-06	C3137		.217x.437x1.790	
Seals	Both	2002-12	UVO606-G0		.217x.433 "Viton" - "Poly" available	
Locks	Both	2002-12	059-245-5.5		Top-bead 5.5mm	

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45 2354cc (2.4L) DOHC, GAS, FI, K24Z3, K24Z6 2008-12					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	2010-10	P5154N	1.18x5.5mm4.28 NITRIDED		
Guides	Exh.	2008-10	C3137	.217x.437x1.790		
Seals	Both	2010-11	UVO606-G0	.217x.433 "Viton" - "Poly" available		
Locks	Both	2008-12	059-245-5.5	Top-bead 5.5mm		
46 2559cc (2.6L) SOHC, GAS, FI, 4ZE1, ISUZU 1994-96					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1994-96 1994-96	P3867 P3866	1.74x8mmx4.27 1.45x8mmx4.25		
Seats	Int. Exh.	1994-96 1994-96 1994-96	PC1812-51 M21812-51 PC1625-54	1.812x.307x1.530/1.670 HI-CHROME " " " TUNGSTEN CARBIDE 1.625x.280x1.329 HI-CHROME		
Guides	Int. Exh.	1994-96 1994-96	Bronze Cast B308 C308 B316 C316	.314x.474x1.805 - O/S AVAILABLE .313x.474x2.160 - O/S AVAILABLE		
Seals	Both	1994-96	AV7459-E1	.315x.472 "Viton" - "Poly" available		
Locks	Both	1994-96	059-819-050	Single-groove 8mm		
Springs	Both	1994-96	051-310	1.33odx .98id* 89Lb.@1.50		
47 2675cc (2.7L) SOHC, GAS, FI, C27A4 1995-97					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1995-97	P3331	1.29x6.6mmx4.11		
Guides	Int. Exh.	1995-97 1995-97 1995-97	Bronze Cast B541 B568 C568 B542 C542	.260x.475x1.850 .260x.476x1.770 .260x.475x2.087		
Seals	Both	1995-97	BV3159-EO	.260x.472 "Viton"		
Locks	Both	1995-97	059-211-054	Top-bead 6.6mm		
48 2997cc (3.0L) (3.5L) SOHC, GAS, FI, J30A1, J35A1 1998-02					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1998-02 1998-02 1998-02 1998-02	PV4573 P4378HP-C PV4561 P4379HP-C	1.33x5.5mmx4.56 1.37x5.5mmx4.56 - 1mm O/S 1.14x5.5mmx4.49 1.18x5.5mmx4.49 - 1mm O/S		
Guides	Int. Exh.	1998-02 1998-02	Bronze Cast B538 C538 B539 C539	.217x.436x1.875 .217x.436x2.125 - O/S AVAILABLE		
Seals	Both	1998-02	UVO606-G0	.217x.433 "Viton" - "Poly" available		
Locks	Both	1998-02	059-245-5.5	Top-bead 5.5mm		
49 2997cc (3.0L) SOHC, GAS, FI, J30A4, J30A5 2003-07					4 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2003-05 2003-05	PV4687 PV4688	1.37x5.5mmx4.567 1.18x5.5mmx4.496		
Guides	Int. Exh.	2003-05 2003-05	Bronze Cast B538 C538 B539 C539	.217x.436x1.875 .217x.436x2.125 - O/S AVAILABLE		
Seals	Both	2003-05	UVO606-G0	.217x.433 "Viton" - "Poly" available		
Locks	Both	2003-05	059-245-5.5	Top-bead 5.5mm		

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50 3165cc (3.2L) SOHC, GAS, FI, 6VD1, ISUZU 1994-97					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1994-97	P4342		1.33x6mmx3.89	
	Exh.	1994-97	PV4560		1.18x6mmx3.95	
Seats	Int.	1994-97	PC1437-67		1.437x.255x1.180/1.270 HI-CHROME	
	Exh.	1994-97	PC1312-66		1.312x.258x1.020/1.127 HI-CHROME	
Guides	Both	1994-97	C8255		.234x.436x1.775	
Seals	Both	1994-97	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Lifters	Both	1994-97	VLA114		HYDRAULIC - Limited availability	
51 3165cc (3.2L) DOHC, GAS, FI, 6VD1W, ISUZU 1998-02					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1998-02	P5000		1.33x6mmx4.08	
	Exh.	1998-02	P5001		1.14x6mmx4.07	
Guides	Both	1998-02	C8255		.234x.436x1.775	
52 3471-74cc (3.5L) SOHC, GAS, FI, J35A4, J35A6, J35A7, J35A8, J35A9, J35Z1 2002-13					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	2002-10	PV4687		1.37x5.5mmx4.567	
	Exh.	2002-12	PV4688		1.18x5.5mmx4.496	
Guides			Bronze	Cast		
	Int.	2002-12	B538	C538	.217x.436x1.875	
	Exh.	2002-12	B539	C539	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	2002-12	UVO606-G0		.217x.433 “Viton” - “Poly” available	
Locks	Both	2002-12	059-245-5.5		Top-bead 5.5mm	
53 3471cc (3.5L) SOHC, GAS, FI, J35Z2, J35Z3, J35Z4, J35Z5 2008-13					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Exh.	2002-12	PV4688		1.18x5.5mmx4.496	
Guides			Bronze	Cast		
	Int.	2002-12	B538	C538	.217x.436x1.875	
	Exh.	2002-12	B539	C539	.217x.436x2.125 - O/S AVAILABLE	
Seals	Both	2002-12	UVO606-G0		.217x.433 “Viton” - “Poly” available	
Locks	Both	2002-12	059-245-5.5		Top-bead 5.5mm	
54 MISCELLANEOUS						
PART		YEARS	PART NO.		NOTES	
Guides	Exh.		B357		.249x.436x1.703 BRONZE	
Retainers	Both	1994-97	VSR110-T		1.100x0.83x0.60 TITANIUM	

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1 1468cc (1.5L) SOHC, GAS, CARB, VIN J, G4AJ, MITSUBISHI 1986-89					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1986-89	P3142		1.33x6.6mmx4.01	
	Exh.	1986-89	P3143		1.18x6.6mmx3.97	
Seats	Int.	1986-89	PC1437-57		1.437x.293x1.100/1.260 HI-CHROME	
	Exh.	1986-89	PC1312-53		1.312x.293x0.980/1.106 HI-CHROME	
Guides			Bronze	Cast		
	Int.	1986-89	B364	C364	.260x.475x1.730 - O/S AVAILABLE	
	Exh.	1986-89	B363	C363	.260x.474x1.950 - O/S AVAILABLE	
Seals	Both	1986-89	AV7015-E0		.260x.472 “Viton” - “Poly” available	
Locks	Both	1986-89	059-016-483		Top-bead 6.6mm	

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2 1468cc (1.5L) SOHC, GAS, EI, VIN J, G4DJ, MITSUBISHI 1990-942 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1990-94 1990-94	PV4067 P3143	1.38x6.6mmx4.00 1.18x6.6mmx3.97
Guides	Int. Exh.	1990-94 1990-94	Bronze Cast B364 C364 B363 C363	.260x.475x1.730 - O/S AVAILABLE .260x.474x1.950 - O/S AVAILABLE
Seals	Both	1990-94	AV7015-E0	.260x.472 “Viton” - “Poly” available
Locks	Both	1990-94	059-016-483	Top-bead 6.6mm
3 1495cc (1.5L) SOHC, GAS, FI, VIN N, G, G4EK ALPHA I 1993-023 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1993-02 1993-94 1995-02	PV4624 PV4634 PV4635	1.08x6mmx3.89 1.26x6mmx3.90 1.26x6mmx3.86
Seats	Int. Exh.	1993-02 1993-02	PC1125-53 PC1375-63	1.125x.237x0.890/0.976 HI-CHROME 1.375x.240x1.057/1.110 HI-CHROME
Guides	Int. Exh.	1993-02 1993-02	C8572 C8573	.236x.436x1.690 .236x.436x1.540
Seals	Both	1993-02	BV4951-G1	.236x.433 “Viton” - “Poly” available
4 1495cc (1.5L) DOHC, GAS, FI, VIN N, G4EK ALPHA II 1996-984 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1996-98 1996-98	P5122 P5123	1.11x6mmx3.61 0.98x6mmx3.63
Guides	Both	1996-98	Bronze Cast B526 C526	.237x.436x1.520
Seals	Both	1996-98	BV1883-IO	.236x.433 “Viton” - “Poly” available
5 1596cc (1.6L) DOHC, GAS, FI, VIN R, G4GR, MITSUBISHI 1992-954 VALVE L4				
1836cc (1.6L) DOHC, GAS, FI, VIN M, G4CN SIRIUS I, 4G67 MITSUBISHI 1992-954 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1992-95 1992-95 1992-95 1992-95 1992-95 1992-95	P3439 P3439HP-C P3439SHP P3438 P3438HP-C P3438SHP	1.33x6.6mmx4.31 1.37x6.6mmx4.31 - 1mm O/S 1.33x6.6mmx4.32 - Standard High Performance 1.20x6.6mmx4.31 1.24x6.6mmx4.31 - 1mm O/S 1.19x6.6mmx4.31 - Standard High Performance
Seats	Int. Exh.	1992-95 1992-95 1992-95 1992-95	PC1437-68 M21437-68 PC1312-64 M21312-64	1.437x.316x1.135/1.250 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.312x.316x1.045 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Int. Exh.	1992-95 1992-95	Bronze Cast B506 C506 B540 C540	.260x.475x1.795 - O/S AVAILABLE .260x.475x1.980 - O/S AVAILABLE
Seals	Both	1992-95	AV7015-E0	.260x.472 “Viton” - “Poly” available
Locks	Both	1992-95	059-016-483	Top-bead 6.6mm

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6 1600cc (1.6L) DOHC, GAS, FI, VIN C, N, G4ED ALPHA II 2001-09				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2001-08	P5151	1.14x6mmx3.61	
	Exh.	2001-08	P5123	0.98x6mmx3.63	
Guides	Both	2001-08	Bronze Cast B526 C526	.237x.436x1.520	
Seals	Both	2001-08	BV4951-G1	.236x.433 "Viton" - "Poly" available	
Lifters	Both	2001-09	VLA118	HYDRAULIC	
7 1795cc (1.8L) DOHC, GAS, FI, VIN M, G4GM BETA I 1996-98				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1996-98	PV4625	1.26x6mmx4.03	
	Exh.	1996-98	P5130	1.08x6mmx4.12	
Guides	Int.	1996-98	Bronze Cast B649 C649	.236x.435x1.790 - O/S AVAILABLE	
		1996-98	B651 C651	.235x.435x1.985 - O/S AVAILABLE	
	Exh.	1996-98	B649 C649	.236x.435x1.790 - O/S AVAILABLE	
		1996-98	B651 C651	.235x.435x1.985 - O/S AVAILABLE	
Seals	Both	1996-98	BV4951-G1	.236x.433 "Viton" - "Poly" available	
8 1975cc (2.0L) DOHC, GAS, FI, VIN F, G4GF BETA I 1997-01				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1997-01	PV4625	1.26x6mmx4.03	
	Exh.	1997-01	P5130	1.08x6mmx4.12	
Guides	Int.	1997-01	Bronze Cast B649 C649	.236x.435x1.790 - O/S AVAILABLE	
		1997-01	C8573	.236x.436x1.540	
		1997-01	C8554	.235x.436x1.790	
		1997-01	B651 C651	.235x.435x1.985 - O/S AVAILABLE	
	Exh.	1997-01	C8567	.236x.436x1.750	
		1997-01	C2030	.236x.434x2.140	
		1997-01	B649 C649	.236x.435x1.790 - O/S AVAILABLE	
		1997-01	C8573	.236x.436x1.540	
Seals	Both	1997-01	BV4951-G1	.236x.433 "Viton" - "Poly" available	
9 1975cc (2.0L) DOHC, GAS, FI, VIN B, D, E, F, G4GF BETA II 2001-09				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1997-01	P5166	1.25x6mmx4.50	
	Exh.	1997-01	P5167	1.08x6mmx4.59	
Guides	Int.	1997-01	Bronze Cast B649 C649	.236x.435x1.790 - O/S AVAILABLE	
		1997-01	C8573	.236x.436x1.540	
		1997-01	C8554	.235x.436x1.790	
		1997-01	B651 C651	.235x.435x1.985 - O/S AVAILABLE	
	Exh.	1997-01	C8567	.236x.436x1.750	
		1997-01	C2030	.236x.434x2.140	
		1997-01	B649 C649	.236x.435x1.790 - O/S AVAILABLE	
		1997-01	C8573	.236x.436x1.540	
Seals	Both	1997-01	BV4951-G1	.236x.433 "Viton" - "Poly" available	
10 1997cc (2.0L) DOHC, GAS, FI, VIN F, G4CP SIRIUS I, 4G63 MITSUBISHI 1992-98				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1992-98	P3439	1.33x6.6mmx4.31	
		1992-98	P3439HP-C	1.37x6.6mmx4.31 - 1mm O/S	
		1992-98	P3439SHP	1.33x6.6mmx4.32 - Standard High Performance	
	Exh.	1992-98	P3438	1.20x6.6mmx4.31	
		1992-98	P3438HP-C	1.24x6.6mmx4.31 - 1mm O/S	
		1992-98	P3438SHP	1.19x6.6mmx4.31 - Standard High Performance	

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10 1997cc (2.0L) DOHC, GAS, FI, VIN F, G4CP SIRIUS I, 4G63 MITSUB 1992-98 (CONT.)				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seats	Int.	1992-98	PC1437-68	1.437x.316x1.135/1.250	HI-CHROME
		1992-98	M21437-68	" " "	TUNGSTEN CARBIDE
	Exh.	1992-98	PC1312-64	1.312x.316x1.045	HI-CHROME
		1992-98	M21312-64	" " "	TUNGSTEN CARBIDE
Guides	Int.	1992-98	Bronze Cast		
			B506 C506	.260x.475x1.795	- O/S AVAILABLE
	Exh.	1992-98	B540 C540	.260x.475x1.980	- O/S AVAILABLE
Seals	Both	1992-98	AV7015-E0	.260x.472	"Viton" - "Poly" available
Locks	Both	1992-98	059-016-483	Top-bead	6.6mm
11 1998cc (2.0L) DOHC, GAS, FI, TURBO, VIN D, G4KF THETA II 2010-12				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Locks	Both	2010-12	059-245-5.5	Top-bead	5.5mm
12 1998cc (2.0L) DOHC, GAS, FI, TURBO, VIN B, G4KH THETA DIRECT INJECTED 2011-12				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2011-12	P5250	1.37x5.5mmx4.456	
Locks	Both	2011-12	059-245-5.5	Top-bead	5.5mm
13 2351cc (2.4L) SOHC, GAS, FI, VIN S, G4CS SIRIUS I, 4G64 MITSUBISHI 1989-91				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1989-91	PV2661	1.81x8mmx4.19	
	Exh.	1989-91	PV2660	1.49x8mmx4.14	
Seats	Int.	1989-91	PC1875-51	1.875x.317x1.575/1.692	HI-CHROME
		1989-91	M21875-51	" " "	TUNGSTEN CARBIDE
	Exh.	1989-91	PC1625-56	1.625x.317x1.298/1.382	HI-CHROME
		1989-91	M21625-56	" " "	TUNGSTEN CARBIDE
Guides	Int.	1989-91	Bronze Cast		
			B280 C280	.315x.516x1.735	- O/S AVAILABLE
	Exh.	1989-91	B291	.315x.516x2.050	- O/S AVAILABLE
			C7575	.315x.514x2.046	
Seals	Both	1989-91	59553	.315x.512	"Viton"
Locks	Both	1989-91	059-716-200	Top-bead	8mm
Springs	Both	1989-91	051-289	1.33odx0.94id*	70Lb.@1.60
Lifters	Both	1989-91	VLA112	HYDRAULIC	
14 2351cc (2.4L) DOHC, GAS, FI, VIN S, G4JS SIRIUS II, 4G64 MITSUBISHI 1999-05				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1999-05	P3439	1.33x6.6mmx4.31	
		1999-05	P3439HP-C	1.37x6.6mmx4.31	- 1mm O/S
		1999-05	P3439SHP	1.33x6.6mmx4.32	- Standard High Performance
	Exh.	1999-05	P3438	1.20x6.6mmx4.31	
		1999-05	P3438HP-C	1.24x6.6mmx4.31	- 1mm O/S
		1999-05	P3438SHP	1.19x6.6mmx4.31	- Standard High Performance
Guides	Int.	1999-05	Bronze Cast		
			B506 C506	.260x.475x1.795	- O/S AVAILABLE
	Exh.	1999-05	B540 C540	.260x.475x1.980	- O/S AVAILABLE
Seals	Both	1999-05	AV7015-E0	.260x.472	"Viton" - "Poly" available
Locks	Both	1999-05	059-016-483	Top-bead	6.6mm

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15 2359cc (2.4L) DOHC, ELECTRIC/GAS, FI, VIN 4, G4KK THETA II HYBRID 2011-11				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2011-11	P5250	1.37x5.5mmx4.456	
	Exh.	2011-11	P5249	1.14x5.5mmx4.169	
Locks	Both	2011-11	059-245-5.5	Top-bead 5.5mm	
16 2359cc (2.4L) DOHC, GAS, FI, VIN B, C, G4KE THETA II 2006-12				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2011-11	P5250	1.37x5.5mmx4.456	
	Exh.	2011-11	P5249	1.14x5.5mmx4.169	
Seals	Both	2011-11	217436	.217x.436	
Locks	Both	2011-11	059-245-5.5	Top-bead 5.5mm	
17 2493cc (2.5L) DOHC, GAS, FI, VIN V, G6BV DELTA 1999-01				4 VALVE	V6
2656cc (2.7L) DOHC, GAS, FI, VIN D, F, G6BA DELTA 2001-09				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1999-09	P5128	1.26x6mmx3.78	
	Exh.	1999-09	P5129	1.08x6mmx3.82	
Guides	Int.	1999-09	C8572	.236x.436x1.690	
	Exh.	1999-09	C8573	.236x.436x1.540	
Seals	Both	1999-09	BV4951-G1	.236x.433 "Viton" - "Poly" available	
Lifters	Both	1999-09	VLA118	HYDRAULIC	
18 2656cc (2.7L) DOHC, GAS, FI, VIN D, MU 2007-08				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Seals	Both	2007-08	BV4951-G1	.236x.433 "Viton" - "Poly" available	
19 2972cc (3.0L) SOHC, GAS, FI, VIN T, G6AT SIGMA, MITSUBISHI 1990-98				2 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1990-98	P3495-030	1.69x8mmx4.02	
		1990-98	P3495	1.69x8mmx4.06	
	Exh.	1990-98	P3494-030	1.37x8mmx4.01	
		1990-98	P3494	1.37x8mmx4.04	
Seats	Int.	1990-98	PC1750-61	1.750x.310x1.445/1.617 HI-CHROME	
		1990-98	M21750-61	" " " TUNGSTEN CARBIDE	
		1990-98	PC1750-54	1.750x.316x1.460/1.582 HI-CHROME	
	Exh.	1990-98	PC1562-69	1.562x.317x1.219 HI-CHROME	
		1990-98	M21562-69	" " " TUNGSTEN CARBIDE	
		1990-98	PC1562-69N	1.562x.317x1.219 HI-NICKEL	
Guides	Int.	1990-98	Bronze Cast		
	Exh.	1990-98	B280 C280	.315x.516x1.735 - O/S AVAILABLE	
Seals	Both	1990-98	B281 C281	.315x.516x1.990 - O/S AVAILABLE	
Locks	Both	1990-98	59553	.315x.512 "Viton"	
Locks	Both	1990-98	059-716-200	Top-bead 8mm	
Springs	Both	1990-98	051-289	1.330dx0.94id* 70Lb.@1.60	
Lifters	Both	1990-98	VLA112	HYDRAULIC	
Head Bolt sets	Both	1990-98	PHB180-16		

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20 2972cc (3.0L) SOHC, GAS, FI, XG300 2001-01				4 VALVE	V6
3500cc (3.5L) DOHC, GAS, FI, VIN E, G6CU SIGMA 2002-06				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2001-06	P5120	1.38x6.6mmx4.18	
	Exh.	2001-06	P5121	1.20x6.6mmx4.15	
Seats	Exh.	2002-06	PC1312-64	1.312x.316x1.045 HI-CHROME	
		2002-06	M21312-64	" " " TUNGSTEN CARBIDE	
Guides	Int.	2001-06	Bronze Cast	.260x.475x1.795 - O/S AVAILABLE	
	Exh.	2001-06	B506 C506	.260x.475x1.980 - O/S AVAILABLE	
Seals	Both	2001-06	AV7015-E0	.260x.472 "Viton" - "Poly" available	
Locks	Both	2001-06	059-016-483	Top-bead 6.6mm	
21 3342cc (3.3L) DOHC, GAS, FI, VIN D, E, F, G, G6DB, G6DC, LAMBDA, II 2006-12				4 VALVE	V6
3778cc (3.8L) DOHC, GAS, FI, DI, VIN 3, C, E, F, H, D, G6DA, G6DJ, LAMBDA					
PART		YEARS	PART NO.	NOTES	
Locks	Both	2010-12	059-245-5.5	Top-bead 5.5mm	



2014 Hyundai Elantra (2.0L) DOHC, 4 VALVE L4

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1	1998cc (2.0L) DOHC, GAS, FI, VIN C, SR20DE “NISSAN” 1991-02	4 VALVE	L4
2	2496cc (2.5L) DOHC, GAS, FI, VQ25HR 2011-12	4 VALVE	V6
3	2960cc (3.0L) DOHC, GAS, FI, VIN A, VG30DE, NISSAN 1993-97	4 VALVE	V6
4	2988cc (3.0L) DOHC, GAS, FI, VIN C, VG30DE, NISSAN 1998-01	4 VALVE	V6
5	3275cc (3.3L) SOHC, GAS, FI, VIN A, VG33E, NISSAN 1997-00	2 VALVE	V6
6	3498cc (3.5L) DOHC, GAS, FI, NISSAN, VQ35DE 2001-08	4 VALVE	V6
7	3498cc (3.5L) DOHC, GAS, FI, NISSAN, VQ35HR 2007-09	4 VALVE	V6
8	3696cc (3.7L) DOHC, GAS, FI, VQ37VHR 2008-12	4 VALVE	V6
9	4130cc (4.1L) DOHC, GAS, FI, VIN B, VH41DE 1997-01	4 VALVE	V8
10	4494cc (4.5L) DOHC, GAS, FI, VIN N, VH45DE 1990-96	4 VALVE	V8
11	4494cc (4.5L) DOHC, GAS, FI, VK45DE 2002-08	4 VALVE	V8
	5552cc (5.6L) DOHC, GAS FI, VK56VD, VK56VDS 2011-13	4 VALVE	V8
12	5026cc (5.0L) DOHC, GAS, FI, VK50VE 2009-11	4 VALVE	V8
13	5552cc (5.6L) DOHC, GAS, FI, VK56DE 2005-10	4 VALVE	V8

1	1998cc (2.0L) DOHC, GAS, FI, VIN C, SR20DE, NISSAN 1991-02			4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1991-99	PV2645	1.34x6mmx3.99	
	Exh.	1991-99	PV2644	1.18x6mmx4.02	
Guides			Bronze Cast		
	Int.	1991-02	B8216	.236x.395x1.690	
	Exh.	1991-02	B8217 C8217	.236x.395x1.690	
Seals	Both	1991-02	BV3006-F0	.236x.394 “Viton” - “Poly” available	
2	2496cc (2.5L) DOHC, GAS, FI, VQ25HR 2011-12			4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Seals	Both	2011-12	059-211-064	Center-bead 6mm	
Locks	Both	2011-12	BV3006-F0	.236x.394 “Viton”	
3	2960cc (3.0L) DOHC, GAS, FI, VIN A, VG30DE, NISSAN 1993-97			4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1993-97	P3868	1.34x6mmx4.06	
	Exh.	1993-97	P3870	1.16x6mmx4.08	
Seats	Int.	1993-97	PC1500-77	1.500x.236x1.175/1.235 HI-CHROME	
	Exh.	1993-97	PC1312-63	1.312x.235x0.965/1.075 HI-CHROME	
Guides			Bronze Cast		
	Int.	1993-97	B537 C537	.236x.395x1.815	
	Exh.	1993-97	B536 C536	.236x.395x1.940 - O/S AVAILABLE	
Seals	Both	1993-97	BV3006-F0	.236x.394 “Viton” - “Poly” available	

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4 2988cc (3.0L) DOHC, GAS, FI, VIN C, VG30DE, NISSAN 1998-01					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Guides	Int.	1998-01	Bronze	Cast		
			B608	C608	.236x.395x1.580	
	Exh.	1998-01	B8217	C8217	.236x.395x1.690	
Seals	Both	1998-01	BV3006-F0		.236x.394 “Viton” - “Poly” available	
Locks	Both		059-211-064		Center-bead 6mm	
5 3275cc (3.3L) SOHC, GAS, FI, VIN A, VG33E, NISSAN 1997-00					2 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1997-00	P3285		1.65x7mmx4.94	
Seats	Int.	1997-00	PC1812-55		1.812x.278x1.500/1.555 HI-CHROME	
	Exh.	1997-00	PC1500-68		1.500x.293x1.179/1.287 HI-CHROME	
		1997-00	M21500-68		“ “ “ TUNGSTEN CARBIDE	
Guides	Int.	1997-00	Bronze	Cast		
			B334	C334	.275x.434x2.320 - O/S AVAILABLE	
	Exh.	1997-00	B335	C335	.316x.474x2.500 - O/S AVAILABLE	
Seals	Int.	1997-00	276435		.276x.435	
	Exh.	1997-00	AV7459-E1		.315x.472 “Viton” - “Poly” available	
Locks	Both	1997-00	059-211-059		Top-bead 7mm	
6 3498cc (3.5L) DOHC, GAS, FI, NISSAN, VQ35DE 2001-08					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	2001-08	P5214		1.46x6mmx3.798	
	Exh.	2001-08	P5213		1.23x6mmx3.702	
Guides	Int.	2001-08	Bronze	Cast		
			B608	C608	.236x.395x1.580	
	Exh.	2001-08	B8217	C8217	.236x.395x1.690	
Seals	Both	2001-08	BV3006-F0		.236x.394 “Viton” - “Poly” available	
Locks	Both	2001-08	059-211-064		Center-bead 6mm	
7 3498cc (3.5L) DOHC, GAS, FI, NISSAN, VQ35HR 2007-09					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Seals	Both	2007-09	BV3006-F0		.236x.394 “Viton” - “Poly”	
Locks	Both	2007-11	059-211-064		Center-bead 6mm	
8 3696cc (3.7L) DOHC, GAS, FI, VQ37VHR 2008-12					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Seals	Both	2008-12	BV3006-F0		.236x.394 “Viton” - “Poly” available	
Locks	Both	2008-12	059-211-064		Center-bead 6mm	
9 4130cc (4.1L) DOHC, GAS, FI, VIN B, VH41DE 1997-01					4 VALVE	V8
PART		YEARS	PART NO.		NOTES	
Seals	Both	1997-01	AV7367-VI		.315x.472 “Viton” - “Poly” available	
10 4494cc (4.5L) DOHC, GAS, FI, VIN N, VH45DE 1990-96					4 VALVE	V8
PART		YEARS	PART NO.		NOTES	
Seats	Exh.	1990-96	PC1375-60		1.375x.237x1.107/1.217 HI-CHROME	
Seals	Int.	1990-96	BV1483-FO		.276x.433 “Viton” - “Poly” available	
	Exh.	1990-96	AV7367-VI		.315x.472 “Viton” - “Poly” available	

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11 4494cc (4.5L) DOHC, GAS, FI, VK45DE 2002-08				4 VALVE	V8
5552cc (5.6L) DOHC, GAS FI, VK56VD, VK56VDS 2011-13				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seals	Both	2002-08	BV3006-F0	.236x.394 "Viton" - "Poly" available	
Locks	Both	2002-08	059-211-064	Center-bead 6mm	
12 5026cc (5.0L) DOHC, GAS, FI, VK50VE 2009-11				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seals	Both	2009-11	BV3006-F0	.236x.394 "Viton" - "Poly" available	
13 5552cc (5.6L) DOHC, GAS, FI, VK56DE 2005-10				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2001-08	P5214	1.46x6mmx3.798	
	Exh.	2001-08	P5213	1.23x6mmx3.702	
Seals	Both	2001-08	BV3006-F0	.236x.394 "Viton" - "Poly" available	
Locks	Both	2001-08	059-211-064	Center-bead 6mm	

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1	1471cc (1.5L) SOHC, GAS, FI, VIN 9, 4XC1 TURBO 1988-89	2 VALVE	L4
	1471cc (1.5L) SOHC, CARB, VIN 7, K, 4XC1 1985-89	2 VALVE	L4
2	1588cc (1.6L) DOHC, GAS, FI, VIN 5, 4, 4XE1W 1989-92	4 VALVE	L4
3	1588cc (1.6L) SOHC, GAS, FI, VIN 6, 4XE1 1991-93	3 VALVE	L4
4	1817cc (1.8L) DOHC, GAS, FI, VIN 8, 4XF1 1992-92	4 VALVE	L4
5	1817cc (1.8L) SOHC, GAS, CARB, VIN B, N, G180Z 1981-84	2 VALVE	L4
6	1817cc (1.8L) SOHC, DIESEL , FI, VIN P, 4FB1, B 1981-84	2 VALVE	L4
7	1949cc (1.9L) SOHC, GAS, CARB, VIN A, G200Z 1983-86	2 VALVE	L4
8	1949cc (1.9L) SOHC, GAS, FI, VIN A, G200Z 1983-87	2 VALVE	L4
9	1994cc (2.0L) SOHC, GAS, FI, VIN F, 4ZC1 TURBO 1985-89	2 VALVE	L4
10	2180cc (2.2L) DOHC, GAS, FI, VIN D, X22SE 1998-03	4 VALVE	L4
11	2180cc (2.2L) OHV, GAS, FI, VIN 4, GM 1996-00	2 VALVE	L4
12	2238cc (2.2L) OHV, DIESEL , FI, VIN S, C223 1981-87	2 VALVE	L4
13	2238cc (2.2L) SOHC, DIESEL , FI, VIN U, C223 TURBO 1986-87	2 VALVE	L4
14	137 C.I. (2.2L) 4BD1T & 4BD2T TRUCK & INDUSTRIAL	2 VALVE	L4
15	2254cc (2.3L) SOHC, GAS, FI, F23A7 HONDA 1998-99	4 VALVE	L4
16	2254cc (2.3L) SOHC, GAS, CARB, FI, VIN L, 4ZD1 1986-95	2 VALVE	L4
17	2369cc (2.4L) C240 FORKLIFT	2 VALVE	L4
18	2559cc (2.6L) SOHC, GAS, FI, VIN E, 4ZE1 1988-97	2 VALVE	L4
19	2827cc (2.8L) OHC, GAS, FI, VIN R, GM LL2 1989-91	2 VALVE	V6
20	169 C.I. (2.8L) DOHC, GAS, FI, VIN 8, GM VORTEC 2006-06	4 VALVE	L4
21	178 C.I. (2.9L) DOHC, GAS, FI, VIN 9, GM 2007-08	4 VALVE	L4
22	182 C.I. (3.0L) 6BG1 INDUSTRIAL 1986-93	2 VALVE	L6
23	3137cc (3.1L) OHV, GAS, FI, VIN Z, GM , CPC 1991-94	2 VALVE	V6
24	3165cc (3.2L) DOHC, GAS, FI, VIN W, 6VD1 1992-95	4 VALVE	V6
25	3165cc (3.2L) SOHC, GAS, FI, VIN V, 6VD1 1992-97	4 VALVE	V6
26	3165cc (3.2L) DOHC, GAS, FI, VIN W, 6VD1W 1998-04	4 VALVE	V6
	3491cc (3.5L) DOHC, GAS, FI, VIN X, Y, 6VE1 1998-04	4 VALVE	V6
27	211 C.I. (3.5L) DOHC, GAS, FI, VIN 6, GM VORTEC 2006-06	4 VALVE	L5
28	223 C.I. (3.7L) DOHC, GAS, FI, VIN E, GM 2007-08	4 VALVE	L5
29	235 C.I. (3.9L) 6BD1T TRUCK & INDUSTRIAL	2 VALVE	L6
30	236 C.I. (3.9L) 4BD1T & 4BD2T INDUST.	2 VALVE	L4
31	236 C.I. (3.9L) SOHC, DIESEL , FI, VIN H, K, 4BD1/T, 4BD2/T, NON/TURBO 1990-98	4 VALVE	L4

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32	256 C.I. (4.2L) DOHC, GAS, FI, VIN S, GM VORTEC 2003-08	4 VALVE	L6
33	317 C.I. (5.2L) 4HK1 INDUST.	2 VALVE	L4
34	317 C.I. (5.2L) SOHC, DIESEL, FI, VIN 6, 4HK1 TURBO 2005-12	4 VALVE	L4
35	262 C.I. (4.3L) GM , VIN W, X, LB4, LF6 1997-00	2 VALVE	V6
36	323 C.I. (5.3L) OHV, GAS, FI, VIN M, P, GM VORTEC 2003-06	2 VALVE	V8
37	353 C.I. (5.8L) SOHC, DIESEL, FI, VIN N, 6BD1 TURBO, INDUST. 1986-91	4 VALVE	L6
38	475 C.I. (7.8L) SOHC, DIESEL, FI, VIN 3, 6HK1 TURBO 1998-12	4 VALVE	L6
39	475 C.I. (7.8L) SOHC, 6HK1TC - 6HK1TCN & 6HK1TCS TRUCK & INDUST.	4 VALVE	L6
40	513 C.I. (8.4L) 6SA1T & 6SA1TC INDUSTRIAL	2 VALVE	L6

1	1471cc (1.5L) SOHC, GAS, FI, VIN 9, 4XC1 TURBO 1988-89	2 VALVE	L4
	1471cc (1.5L) SOHC, CARB, VIN 7, K, 4XC1 1985-89	2 VALVE	L4

PART	YEARS	PART NO.	NOTES
Valves	Int. 1985-89 Exh. 1985-89	P3499 P3324	1.41x7mmx4.14 1.22x7mmx4.14
Seats	Int. 1985-89 Exh. 1985-89	PC1562-70 PC1312-61	1.562x.305x1.180/1.300 HI-CHROME 1.312x.275x1.060/1.102 HI-CHROME
Guides	Int. 1985-89 Exh. 1985-89	Bronze Cast B551 C547 C551	.276x.455x1.695 .276x.454x1.972
Seals	Both 1985-89	276455	.276x.455 "Viton"
Locks	Both 1985-89	059-010-480	Round-bead 7mm

2	1588cc (1.6L) DOHC, GAS, FI, VIN 5, 4, 4XE1W 1989-92	4 VALVE	L4
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PART	YEARS	PART NO.	NOTES
Valves	Int. 1989-92 Exh. 1989-92	PV4354 PV4379	1.22x6mmx3.97 1.10x6mmx3.97
Seats	Int. 1989-92 Exh. 1989-92	PC1312-52 PC1187-52	1.312x.240x1.060/1.087 HI-CHROME 1.187x.257x0.934/0.995 HI-CHROME
Guides	Int. 1989-92 Exh. 1989-92	Bronze Cast B558 C558 C8255	.235x.435x1.650 - O/S AVAILABLE .234x.436x1.775
Seals	Both 1989-92	BV1883-IO	.236x.433 "Viton" - "Poly" available

3	1588cc (1.6L) SOHC, GAS, FI, VIN 6, 4XE1 1991-93	3 VALVE	L4
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PART	YEARS	PART NO.	NOTES
Valves	Int. 1991-93 Exh. 1991-93	PV4352 PV4353	1.10x6mmx4.10 1.26x6mmx4.14
Seats	Int. 1991-93 Exh. 1991-93	PC1187-52 PC1375-51	1.187x.257x0.934/0.995 HI-CHROME 1.375x.280x1.060/1.150 HI-CHROME
Guides	Int. 1991-93 Exh. 1991-93	Bronze Cast B558 C558 B548 C548	.235x.435x1.650 - O/S AVAILABLE .236x.435x1.850
Seals	Both 1991-93	BV1883-IO	.236x.433 "Viton" - "Poly" available

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4 1817cc (1.8L) DOHC, GAS, FI, VIN 8, 4XF1 1992-92					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1992-92	PV4354	1.22x6mmx3.97		
	Exh.	1992-92	PV4379	1.10x6mmx3.97		
Seats	Int.	1992-92	PC1312-52	1.312x.240x1.060/1.087 HI-CHROME		
	Exh.	1992-92	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME		
Guides			Bronze Cast			
	Int.	1992-92	B558 C558	.235x.435x1.650 - O/S AVAILABLE		
	Exh.	1992-92	C8255	.234x.436x1.775		
Seals	Both	1992-92	BV1883-IO	.236x.433 "Viton" - "Poly" available		
5 1817cc (1.8L) SOHC, GAS, CARB, VIN B, N, G180Z 1981-84					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1981-84	P3136	1.58x8mmx4.35		
		1981-84	P3136HP-C	1.62x8mmx4.35 - 1mm O/S		
	Exh.	1981-84	P3135	1.33x8mmx4.30		
		1981-84	P3135HP-C	1.37x8mmx4.30 - 1mm O/S		
Seats	Int.	1981-84	PC1750-62	1.750x.276x1.233/1.527 HI-CHROME		
		1981-84	M21750-62	" " " TUNGSTEN CARBIDE		
	Exh.	1981-84	PC1500-50	1.500x.280x1.203/1.266 HI-CHROME		
		1981-84	M21500-50	" " " TUNGSTEN CARBIDE		
Guides	Int.	1981-84	Bronze Cast			
		1981-84	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
		1981-84	C270	.315x.475x1.910		
	Exh.	1981-84	B316 C316	.313x.474x2.160 - O/S AVAILABLE		
	Both	1981-84	B271 C271	.315x.475x1.990 - O/S AVAILABLE		
Seals	Both	1981-84	AV7459-E1	.315x.472 "Viton" - "Poly" available		
Locks	Both	1981-84	059-819-050	Single-groove 8mm		
Timing sets		1981-84	PT34562	Complete Timing Kit		
6 1817cc (1.8L) SOHC, DIESEL, FI, VIN P, 4FB1, B 1981-84					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1981-84	P3329	1.33x8mmx4.30		
		1981-84	P3323	1.53x8mmx5.20		
	Exh.	1981-84	P3619	1.33x8mmx5.20		
Seats	Int.	1981-84	PC1625-61	1.625x.227x1.305/1.450 HI-CHROME		
Guides	Int.	1981-84	Bronze Cast			
		1981-84	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
		1981-84	C270	.315x.475x1.910		
	Exh.	1981-84	B316 C316	.313x.474x2.160 - O/S AVAILABLE		
	Both	1981-84	B271 C271	.315x.475x1.990 - O/S AVAILABLE		
		1981-84	B634	.315x.474x2.360		
Seals	Both	1981-84	AV7459-E1	.315x.472 "Viton" - "Poly" available		

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7 1949cc (1.9L) SOHC, GAS, CARB, VIN A, G200Z 1983-86					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1983-86	P3136	1.58x8mmx4.35		
		1983-86	P3136HP-C	1.62x8mmx4.35 - 1mm O/S		
	Exh.	1983-86	P3135	1.33x8mmx4.30		
		1983-86	P3135HP-C	1.37x8mmx4.30 - 1mm O/S		
Seats	Int.	1983-86	PC1750-62	1.750x.276x1.233/1.527 HI-CHROME		
		1983-86	M21750-62	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1983-86	PC1500-50	1.500x.280x1.203/1.266 HI-CHROME		
		1983-86	M21500-50	“ “ “ TUNGSTEN CARBIDE		
Guides	Int.		Bronze Cast			
		1983-86	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
	Exh.	1983-86	C270	.315x.475x1.910		
		1983-86	B316 C316	.313x.474x2.160 - O/S AVAILABLE		
	Both	1983-86	B271 C271	.315x.475x1.990 - O/S AVAILABLE		
Seals	Both	1983-86	AV7459-E1	.315x.472 “Viton” - “Poly” available		
Locks	Both	1983-86	059-819-050	Single-groove 8mm		
Springs	Both	1983-86	051-310	1.33odx .98id* 89Lb.@1.50		
Dowel-pins	Head	1983-86	DP433-427	.433x.340x.435		
8 1949cc (1.9L) SOHC, GAS, FI, VIN A, G200Z 1983-87					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1983-87	P3034	1.66x8mmx4.31		
	Exh.	1983-87	P3040	1.33x8mmx4.35		
Seats	Int.	1983-87	PC1750-51	1.750x.280x1.410/1.600 HI-CHROME		
		1983-87	M21750-51	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1983-87	PC1500-50	1.500x.280x1.203/1.266 HI-CHROME		
		1983-87	M21500-50	“ “ “ TUNGSTEN CARBIDE		
Guides	Int.		Bronze Cast			
		1983-87	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
	Exh.	1983-87	C270	.315x.475x1.910		
		1983-87	B316 C316	.313x.474x2.160 - O/S AVAILABLE		
	Both	1983-87	B271 C271	.315x.475x1.990 - O/S AVAILABLE		
Seals	Both	1983-87	AV7459-E1	.315x.472 “Viton” - “Poly” available		
Locks	Both	1983-87	059-819-050	Single-groove 8mm		
Springs	Both	1983-87	051-310	1.33odx .98id* 89Lb.@1.50		
Dowel-pins	Head	1983-87	DP433-427	.433x.340x.435		
9 1994cc (2.0L) SOHC, GAS, FI, VIN F, 4ZC1 TURBO 1985-89					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1985-89	P3401	1.66x8mmx4.35		
		1985-89	P3626	1.66x8mmx4.35		
	Exh.	1985-89	P3627	1.41x8mmx4.34		
Seats	Int.	1985-89	PC1750-51	1.750x.280x1.410/1.600 HI-CHROME		
		1985-89	M21750-51	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1985-89	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME		
Guides	Int.		Bronze Cast			
		1985-89	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
	Exh.	1985-89	C270	.315x.475x1.910		
		1985-89	B316 C316	.313x.474x2.160 - O/S AVAILABLE		
	Both	1985-89	B271 C271	.315x.475x1.990 - O/S AVAILABLE		
Seals	Both	1985-89	AV7459-E1	.315x.472 “Viton” - “Poly” available		

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9 1994cc (2.0L) SOHC, GAS, FI, VIN F, 4ZC1 TURBO 1985-89 (CONT.)				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Locks	Both	1985-89	059-819-050	Single-groove 8mm	
Springs	Both	1985-89	051-310	1.33odx .98id* 89Lb.@1.50	
10 2180cc (2.2L) DOHC, GAS, FI, VIN D, X22SE 1998-03				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1998-03	PV4630	1.26x6mmx4.02	
	Exh.	1998-03	PV4632	1.14x6mmx3.63	
Seats	Int.	1998-03	PC1375E-1	1.375x.227x1.100/1.140 HI-CHROME	
	Exh.	1998-03	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME	
Guides	Int.	1998-03	C3010	.236x.395x1.773 - O/S AVAILABLE	
		1998-03	C689+2	.235x.397x1.770 - O/S AVAILABLE	
	Exh.	1998-03	C3011	.236x.395x1.378 - O/S AVAILABLE	
		1998-03	B688+1	.235x.396x1.380 BRONZE	
		1998-03	C688+1	“ “ “	
Seals	Both	1998-03	235347	.235x.347 “Viton”	
Locks	Both	1998-03	059-236-6MM	3 Round-bead 6mm	
11 2180cc (2.2L) OHV, GAS, FI, VIN 4, GM 1996-00				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1996-97	PV4346	1.73x7mmx5.46	
		1998-00	PV4572	1.73x7mmx5.28	
	Exh.	1996-97	PV4336	1.45x7mmx5.14	
		1998-00	PV4558	1.46x7mmx5.00	
Seats	Int.	1996-97	PC1812-55	1.812x.278x1.500/1.555 HI-CHROME	
	Exh.	1996-97	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME	
Guides	Int.	1996-97	B628	.276x.583x2.760 BRONZE - O/S AVAILABLE	
		1996-97	C628	.275x.583x2.760 - O/S AVAILABLE	
	Exh.	1996-97	C8535	.276x.582x2.312 - O/S AVAILABLE	
		1998-00	C3009	.275x.511x2.278 - O/S AVAILABLE	
		1998-00	C695	.275x.512x2.280 - O/S AVAILABLE	
Seals	Both	1996-97	32744	.276x.500 “Viton”	
		1996-97	276500	.276x.500 “Viton”	
Locks	Both	1996-00	059-806-100	Top-bead 7mm	
Springs	Both	1996-97	052-212	1.25odx0.87id* 50Lb.@1.80	
Pushrods	Both	1996-97	21H011B	7.481x3/8 BLACK	
Head Bolt Sets			PHB133-10A		
12 2238cc (2.2L) OHV, DIESEL , FI, VIN S, C223 1981-87				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1981-87	P3371	1.57x8mmx4.55	
	Exh.	1981-87	P3372	1.33x8mmx4.55	
Seats	Int.	1981-87	PC1625-55	1.625x.237x1.333/1.495 HI-CHROME	
Guides	Both	1981-87	B559	.315x.553x1.970 BRONZE	
		1981-87	C559	“ “ “	
Seals	Both	1981-87	AV8845-PO	.315x.504 “Viton”	
		1981-87	AV7459-E1	.315x.472 “Viton”	

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13 2238cc (2.2L) SOHC, DIESEL , FI, VIN U, C223 TURBO 1986-87				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Guides	Both	1986-87	B559	.315x.553x1.970 BRONZE	
		1986-87	C559	“ “ “	
Seals	Both	1986-87	AV7459-E1	.315x.472 “Viton” - “Poly” available	
14 137 C.I. (2.2L) 4BD1T & 4BD2T TRUCK & INDUSTRIAL				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Valves	Int.	8970287020	P5008	1.77x9mmx5.03	
	Exh.	8970287060	P5009	1.47x9mmx5.03	
Seats	Int.	9117156070	PC1854E-1	1.854x.277x1.610/1.680 HI-CHROME	
	Exh.		PC1562-46	“ “ “ HI-CHROME	
Guides	Both	5117210010	C8023	.354x.552x2.365	
Seals	Both	8971201670	352552	.352x.552 “Viton”	
15 2254cc (2.3L) SOHC, GAS, FI, F23A7 HONDA 1998-99				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1998-99	PV4573	1.33x5.5mmx4.56	
	Exh.	1998-99	PV4561	1.14x5.5mmx4.49	
Guides	Int.	1998-99	Bronze B538	.217x.436x1.875	
		1998-99	Cast C538		
	Exh.	1998-99	Bronze B539	.217x.436x2.125 - O/S AVAILABLE	
		1998-99	Cast C539		
Seals	Both	1998-99	UVO606-G0	.217x.433 “Viton” - “Poly” available	
Locks	Both	1998-99	059-245-5.5	Top-bead 5.5mm	
16 2254cc (2.3L) SOHC, GAS, CARB, FI, VIN L, 4ZD1 1986-95				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1986-95	P3401	1.66x8mmx4.35	
		1986-95	P3626	1.66x8mmx4.35	
		1988-89	P3867	1.74x8mmx4.27	
		1986-95	P3627	1.41x8mmx4.34	
	Exh.	1986-95			
Seats	Int.	1986-95	PC1750-51	1.750x.280x1.410/1.600 HI-CHROME	
		1986-95	M21750-51	“ “ “ TUNGSTEN CARBIDE	
		1988-89	PC1812-51	1.812x.307x1.530/1.670 HI-CHROME	
		1988-89	M21812-51	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1986-95	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME	
		1988-89	PC1625-54	1.625x.280x1.329 HI-CHROME	
Guides	Int.	1986-95	Bronze B308	.314x.474x1.805 - O/S AVAILABLE	
		1986-95	Cast C308		
			C270	.315x.475x1.910	
	Exh.	1986-95	B316	.313x.474x2.160 - O/S AVAILABLE	
		1986-95	C316		
	Both	1986-95	B271	.315x.475x1.990 - O/S AVAILABLE	
Seals	Both	1986-95	AV7459-E1	.315x.472 “Viton” - “Poly” available	
Locks	Both	1986-95	059-819-050	Single-groove 8mm	
Springs	Both	1986-95	051-310	1.33odx .98id* 89Lb.@1.50	
Cyl. Head	Bare	1986-95	CH123	ALUMINUM - INJECTED ONLY	
Dowel-pin	Head	1986-95	DP433-427	.433x.340x.435	

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17 2369cc (2.4L) C240 FORKLIFT					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.	5125510300	P3371	1.57x8mmx4.55		
	Exh.	5125520380	P3372	1.33x8mmx4.55		
Seats	Int.	5117150230	PC1625-55	1.625x.237x1.333/1.495 HI-CHROME		
Guides	Both		B559	.315x.553x1.970 BRONZE		
		5117210160	C559	" " "		
Seals	Both	8971203070	AV8845-PO	.315x.504 "Viton"		
18 2559cc (2.6L) SOHC, GAS, FI, VIN E, 4ZE1 1988-97					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1988-97	P3867	1.74x8mmx4.27		
	Exh.	1988-97	P3866	1.45x8mmx4.25		
Seats	Int.	1988-97	PC1812-51	1.812x.307x1.530/1.670 HI-CHROME		
		1988-97	M21812-51	" " " TUNGSTEN CARBIDE		
	Exh.	1988-97	PC1625-54	1.625x.280x1.329 HI-CHROME		
Guides	Int.		Bronze Cast			
		1988-97	B308 C308	.314x.474x1.805 - O/S AVAILABLE		
		1988-97	C270	.315x.475x1.910 - W/O SNAP RINGS		
	Exh.	1988-97	B316 C316	.313x.474x2.160 - O/S AVAILABLE		
	Both	1988-97	B271 C271	.315x.475x1.990 - O/S AVAILABLE		
Seals	Both	1988-97	AV7459-E1	.315x.472 "Viton" - "Poly" available		
Locks	Both	1988-97	059-819-050	Single-groove 8mm		
Springs	Both	1988-97	051-310	1.330dx .98id* 89Lb.@1.50		
Retainers	Both	1988-97	VSR26IS	1.250x0.960x0.70		
Cyl. Head	Both	1988-97	CHI26	ALUMINUM		
Dowel-pins	Head	1988-97	DP433-427	.433x.340x.435		
19 2827cc (2.8L) OHV, GAS, FI, VIN R, GM LL2 1989-91					2 VALVE	V6
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1989-91	P3253	1.71x11/32x4.70		
	Exh.	1989-91	P3188	1.42x11/32x4.73		
Seats	Int.	1989-91	PC1812-4	1.812x.218x1.562 HI-CHROME		
		1989-91	M21812-4	" " " TUNGSTEN CARBIDE		
	Exh.	1989-91	PC1500-1	1.500x.218x1.250 HI-CHROME		
		1989-91	M21500-1	" " " TUNGSTEN CARBIDE		
Seals	Both	1989-91	55534	.294x.420 - O RING		
Locks	Both	1989-91	059-117-060	Single-groove 11/32		
Springs	Both	1989-91	051-190-7	1.220dx0.87id* 80Lb.@1.61		
Pushrods	Both	1989-91	11H043	6.189x5/16		
Head Bolt Sets	Both	1989-91	PHB173-26			
20 169 C.I. (2.8L) DOHC, GAS, FI, VIN 8, GM VORTEC 2006-06					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	2006-06	P5069	1.45x6mmx4.149		
	Exh.	2006-06	P5070	1.20x6mmx4.246		
Guides	Both	2006-06	B681	.234x.436x1.730 BRONZE		
		2006-06	C8556	.235x.436x1.735 - O/S AVAILABLE		
Seals	Both	2006-06	233400	.233x.400 "Viton"		
Locks	Both	2006-06	059-236-6MM	3 Round-bead 6mm		
Springs	Both	2006-06	050-1480	1.040dx0.72id* 27Lb.@1.58		

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21 178 C.I. (2.9L) DOHC, GAS, FI, VIN 9, GM 2007-08 4 VALVE L4

PART		YEARS	PART NO.	NOTES
Valves	Int.	2007-08	P5190	1.52x6mmx4.16
	Exh.	2007-08	P5191	1.32x6mmx4.25
Guides	Both	2007-08	B681	.234x.436x1.730 BRONZE
		2007-08	C8556	.235x.436x1.735 - O/S AVAILABLE
Seals	Both	2007-08	235434	.235x.434 “Viton”
Locks	Both	2007-08	059-236-6MM	3 Round-bead 6mm

22 182 C.I. (3.0L) 6BG1 INDUSTRIAL 1986-93 2 VALVE L6

PART		OE#	PART NO.	NOTES
Valves	Int.	1125511390	P5194	1.81x9mmx5.00
	Exh.	1125520830	P5009	1.47x9mmx5.03
Guides	Both	5117210010	C8023	.354x.552x2.365
Seals	Both	5125690010	352552	.352x.552 “Viton”

23 3137cc (3.1L) OHV, GAS, FI, VIN Z, GM, CPC 1991-94 2 VALVE V6

PART		YEARS	PART NO.	NOTES
Valves	Int.	1991-94	P3253	1.71x11/32x4.70
	Exh.	1991-94	P3188	1.42x11/32x4.73
Seats	Int.	1991-94	PC1812-4	1.812x.218x1.562 HI-CHROME
		1991-94	M21812-4	“ “ “ TUNGSTEN CARBIDE
	Exh.	1991-94	PC1500-1	1.500x.218x1.250 HI-CHROME
		1991-94	M21500-1	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1991-94	Bronze Cast	
		1991-94	C7560	.342x.502x2.000
Seals	Both	1991-94	B8112 C8112	.315x.553x2.085
		1991-91	UVO405-F1	.276x.512 “Viton” - “Poly” available
		1991-91	55534	.294x.420 - O RING
Locks	Both	1992-94	32691	.313x.500 “Viton”
		1991-94	059-117-060	Single-groove 11/32
Springs	Both	1991-94	051-190-7	1.220dx0.87id* 80Lb.@1.61
Pushrods	Both	1991-94	11H043	6.189x5/16

24 3165cc (3.2L) DOHC, GAS, FI, VIN W, 6VD1 1992-95 4 VALVE V6

PART		YEARS	PART NO.	NOTES
Valves	Int.	1992-95	P4348	1.33x6mmx4.48
	Exh.	1992-95	P4349	1.18x6mmx3.91
Seats	Int.	1992-95	PC1437-67	1.437x.255x1.180/1.270 HI-CHROME
	Exh.	1992-95	PC1312-66	1.312x.258x1.020/1.127 HI-CHROME
Guides	Both	1992-95	C8255	.234x.436x1.775
Seals	Both	1992-95	BV1883-IO	.236x.433 “Viton” - “Poly” available

25 3165cc (3.2L) SOHC, GAS, FI, VIN V, 6VD1 1992-97 4 VALVE V6

PART		YEARS	PART NO.	NOTES
Valves	Int.	1992-97	P4342	1.33x6mmx3.89
	Exh.	1992-97	PV4560	1.18x6mmx3.95
Seats	Int.	1992-97	PC1437-67	1.437x.255x1.180/1.270 HI-CHROME
	Exh.	1992-97	PC1312-66	1.312x.258x1.020/1.127 HI-CHROME
Guides	Both	1992-97	C8255	.234x.436x1.775
Seals	Both	1992-97	BV1883-IO	.236x.433 “Viton” - “Poly” available
Lifters	Both	1992-97	VLA114	HYDRAULIC

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26 3165cc (3.2L) DOHC, GAS, FI, VIN W, 6VD1W 1998-04				4 VALVE	V6
3491cc (3.5L) DOHC, GAS, FI, VIN X, Y, 6VE1 1998-04				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1998-04	P5000	1.33x6mmx4.08	
	Exh.	1998-04	P5001	1.14x6mmx4.07	
Guides	Both	1998-04	C8255	.234x.436x1.775	
27 211 C.I. (3.5L) DOHC, GAS, FI, VIN 6, GM VORTEC 2006-06				4 VALVE	L5
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2006-06	P5069	1.45x6mmx4.149	
	Exh.	2006-06	P5070	1.20x6mmx4.246	
Guides	Both	2006-06	B681	.234x.436x1.730 BRONZE	
		2006-06	C8556	.235x.436x1.735 - O/S AVAILABLE	
Seals	Both	2006-06	233400	.233x.400 "Viton"	
Locks	Both	2006-06	059-236-6MM	3 Round-bead 6mm	
Springs	Both	2006-06	050-1480	1.04odx0.72id* 27Lb.@1.58	
28 223 C.I. (3.7L) DOHC, GAS, FI, VIN E, GM 2007-08				4 VALVE	L5
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2007-08	P5190	1.52x6mmx4.16	
	Exh.	2007-08	P5191	1.32x6mmx4.25	
Guides	Both	2007-08	B681	.234x.436x1.730 BRONZE	
		2007-08	C8556	.235x.436x1.735 - O/S AVAILABLE	
Seals	Both	2007-08	235434	.235x.434 "Viton"	
Locks	Both	2007-08	059-236-6MM	3 Round-bead 6mm	
29 235 C.I. (3.9L) 6BD1T TRUCK & INDUSTRIAL				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	1125511390	P5194	1.81x9mmx5.00	
	Exh.	1125520830	P5009	1.47x9mmx5.03	
Guides	Both	5117210010	C8023	.354x.552x2.365	
Seals	Both	8971201670	352552	.352x.552 "Viton"	
30 236 C.I. (3.9L) 4BD1T & 4BD2T INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Valves	Int.	8970287020	P5008	1.77x9mmx5.03	
	Exh.	8970287060	P5009	1.47x9mmx5.03	
Seats	Int.	9117156070	PC1854E-1	1.854x.277x1.610/1.680 HI-CHROME	
Guides	Both	5117210010	C8023	.354x.552x2.365	
Seals	Both	1125690010	352552	.352x.552 "Viton"	
31 236 C.I. (3.9L) SOHC, DIESEL, FI, VIN H, K, 4BD1/T, 4BD2/T, NON/TURBO 1990-98				4 VALVE	L4
PART		OE#	PART NO.	NOTES	
Valves	Int.	1990-98	P5008	1.77x9mmx5.03	
	Exh.	1990-98	P5009	1.47x9mmx5.03	
Seats	Int.	1990-98	PC1854E-1	1.854x.277x1.610/1.680 HI-CHROME	
Guides	Both	1990-98	C8023	.354x.552x2.365	
Seals	Both	1990-98	352552	.352x.552 "Viton"	

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32 256 C.I. (4.2L) DOHC, GAS, FI, VIN S, GM VORTEC 2003-08				4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2003-06	P5069	1.45x6mmx4.149	
		2007-08	P5190	1.52x6mmx4.16	
	Exh.	2003-06	P5070	1.20x6mmx4.246	
		2007-08	P5191	1.32x6mmx4.25	
Guides	Both	2003-08	B681	.234x.436x1.730 BRONZE	
		2003-08	C8556	.235x.436x1.735 - O/S AVAILABLE	
Seals	Both	2003-06	233400	.233x.400 "Viton"	
		2007-08	235434	.235x.434 "Viton"	
Locks	Both	2003-08	059-236-6MM	3 Round-bead 6mm	
Springs	Both	2003-05	050-1480	1.04odx0.72id* 27Lb.@1.58	
33 317 C.I. (5.2L) 4HK1 INDUST.				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.		P5206	1.45x8mmx5.14	
	Exh.		P5205	1.45x8mmx5.12	
Guides	Both		C3101	.315x.552x2.245	
34 317 C.I. (5.2L) SOHC, DIESEL, FI, VIN 6, 4HK1 TURBO 2005-12				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2005-12	P5206	1.45x8mmx5.14	
	Exh.	2005-12	P5205	1.45x8mmx5.12	
35 262 C.I. (4.3L) GM , VIN W, X, LB4, LF6 1997-00				2 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1997-00	PV4344CFM	1.94x11/32x4.88	
	Exh.	1997-00	PV4345CFM	1.50x11/32x4.92	
Seals	Both	1997-00	UVO890-G0	.339x.555 - "Viton"	
Locks	Both	1997-00	059-117-060	Single-groove 11/32	
Springs	Both	1997-00	050-880-7	1.22odx0.87id* 80lb.@1.70	
36 323 C.I. (5.3L) OHV, GAS, FI, VIN M, P, GM VORTEC 2003-06				2 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2003-04	PV4592	1.89x8mmx4.86	
		2005-06	P5012	2.00x8mmx4.86	
	Exh.	2003-06	PV4593	1.55x8mmx4.91	
Seats	Int.	2003-06	PC2062-50	2.062x.420x1.750 HI-CHROME	
	Exh.	2003-06	PC1625-64	1.625x.420x1.335/1.387 HI-CHROME	
		2003-06	M21625-64	" " " TUNGSTEN CARBIDE	
Seals	Int.	2003-06	UV6016-A0	.315x.500 "Viton" - "Poly" available	
	Exh.	2003-06	UV6017-A0	.315x.500 "Viton"	
Locks	Both	2003-06	059-859-100	Center-bead 8mm	
Springs	Both	2003-04	052-500	1.21Tox0.84Ti* 76Lb.@1.80	
		2005-06	050-1488	1.25odx0.84id* 94Lb.@1.80	
Pushrods	Both	2003-06	11H852B	7.400x5/16	

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37 353 C.I. (5.8L) SOHC, DIESEL, FI, VIN N, 6BD1 TURBO, INDUST. 1986-914 VALVE L6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1986-91	P5194	1.81x9mmx5.00
	Exh.	1986-91	P5009	1.47x9mmx5.03
Guides	Both	1986-91	C8023	.354x.552x2.365
Seals	Both	1986-91	352552	.352x.552 “Viton”
38 475 C.I. (7.8L) SOHC, DIESEL, FI, VIN 3, 6HK1 TURBO 1998-124 VALVE L6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1998-12	P5206	1.45x8mmx5.14
	Exh.	1998-12	P5205	1.45x8mmx5.12
Guides	Both	1998-12	C3101	.315x.552x2.245
Seals	Both	1998-12	AV7459-E1	.315x.472 “Viton” - “Poly” available
		1998-12	AV8845-PO	.315x.504 “Viton”
39 475 C.I. (7.8L) SOHC, 6HK1TC - 6HK1TCN & 6HK1TCS TRUCK & INDUST. 4 VALVE L6				
PART		OE#	PART NO.	NOTES
Seals	Both	8971203070	AV7459-E1	.315x.472 “Viton” - “Poly” available
		8921203070	AV8845-PO	.315x.504 “Viton”
40 513 C.I. (8.4L) 6SA1T & 6SA1TC INDUSTRIAL 2 VALVE L6				
PART		YEARS	PART NO.	NOTES
Seals	Both	1987-87	352552	.352x.552 “Viton”

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1 183 C.I. (3.0L) DOHC, GAS, FI, VIN A, C, F, T, FORD DURATEC 2000-08 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	2000-08 2000-08	P5145 P5144	1.37x5.5mmx3.640 1.18x5.5mmx3.614
Guides	Both	2000-08	C3028	.217x.377x1.455
2 3781cc (3.8L) DOHC, GAS, CARB 1959-67 2 VALVE L6				
PART		YEARS	PART NO.	NOTES
Seats	Int.	1959-67	PC1875-53	1.875x.380x1.505/1.689 HI-CHROME
3 4235cc (4.2L) DOHC, VIN 2, 3, N 1964-87 2 VALVE L6				
PART		YEARS	PART NO.	NOTES
Seats	Int.	1964-87 1980-87	PC1875-53 M22000-50	1.875x.380x1.505/1.689 HI-CHROME 2.000x.368x1.625/1.800 TUNGSTEN CARBIDE
Guides	Int. Exh.	1964-87 1964-87 1964-87	Bronze Cast B237 C237 B238 C238 B238F	.311x.501x1.825 - O/S AVAILABLE .311x.501x1.956 - O/S AVAILABLE .311x.501x1.956 FLANGE - O/S AVAILABLE
4 5343cc (5.3L) SOHC, VIN 0, 8, V, X 1971-92 2 VALVE V12				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1971-92 1971-81 1982-92	PC1750-63 PC1500-71 PC1562-75	1.750x.315x1.410/1.540 HI-CHROME 1.500x.317x1.240 HI-CHROME 1.562x.293x1.200/1.253 HI-CHROME
Guides	Int. Exh.	1971-92 1971-92	Bronze Cast B282 C282 B283	.311x.502x1.910 - O/S AVAILABLE .312x.502x2.112 - O/S AVAILABLE
5 5990cc (6.0L) SOHC 1994-95 2 VALVE V12				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1994-95 1994-95	PC1750-63 PC1562-75	1.750x.315x1.410/1.540 HI-CHROME 1.562x.293x1.200/1.253 HI-CHROME
6 DOHC, XJ8 1997-98 4 VALVE V8				
PART		YEARS	PART NO.	NOTES
Guides	Both	1997-98 1997-98	B2021 C2021	.197x.396x1.415 BRONZE “ “ “
7 MISCELLANEOUS				
PART		YEARS	PART NO.	NOTES
Guides	Exh.		B610	.311x.506x1.730

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1 MOTORCYCLE			
PART	APPLICATION	PART NO.	NOTES
Guides	Int.	K903I	.275x.475x1.650 - OVERSIZES
	Exh.	K903E	.275x.475x1.720 - OVERSIZES
	Both	KTM250	.196x.396x1.800
	Other	KTM250B	.195x.393x1.800
Seals	Both	OE#: 92049-1218	197328
Retainers	Both	K750-TERYZ	VSRK750-TERYX

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5	1597cc (1.6L) DOHC, GAS, FI, VIN 3, 4, B6ZE MAZDA 1996-97	4 VALVE	L4
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8	1839cc (1.8L) DOHC, GAS, FI, VIN 5, BPD, MAZDA 1995-97	4 VALVE	L4
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10	1998cc (2.0L) DOHC, GAS, FI, VIN 3, FE MAZDA 1995-02	4 VALVE	L4
11	1998cc (2.0L) SOHC, GAS, FI, VIN 1, 2, FE MAZDA 1995-96	2 VALVE	L4
12	1998cc (2.0L) DOHC, GAS, FI, VIN 2, 6, HYUNDAI G4KD, G4KH, Theta II 2010-12	4 VALVE	L4
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14	2359cc (2.4L) DOHC, ELECT/GAS, FI, VIN D, HYUNDAI G4KK THETA HYBRID 2011-12	4 VALVE	L4
15	2351cc (2.4L) DOHC, GAS, FI, VIN 6, HYUNDAI G4JS SIRIUS 2001-06	4 VALVE	L4
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	2656cc (2.7L) DOHC, GAS, VI, VIN 3, 8, HYUNDAI G6BA DELTA 2002-10	4 VALVE	V6
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18	3342cc (3.3L) DOHC, GAS, FI, VIN 5, 2, 7, HYUNDAI G6DB LAMBDA II 2007-13	4 VALVE	V6
19	3497cc (3.5L) DOHC, GAS, FI, VIN 1, 4, HYUNDAI G6CU 2002-06	4 VALVE	V6
20	3778cc (3.8L) DOHC, GAS, FI, VIN 1, 3, 5, 6, HYUNDAI G6DB LAMBDA II 2006-10	4 VALVE	V6

1 1493cc (1.5L) DOHC, GAS, FI, DC, A5D 2001-02					4 VALVE	L4		
PART		YEARS	PART NO.		NOTES			
Valves	Int.	2001-5/02	P5019		1.09x5.5mmx3.79			
		6/02-02	P5094		1.14x5.5mmx3.78			
	Exh.	2001-5/02	P5021		0.98x5.5mmx3.76			
		6/02-02	P5093		1.01x5.5mmx3.74			
Guides	Both	2001-02	Bronze	Cast	.217x.376x1.575 - O/S AVAILABLE .217x.376x1.575			
		2001-02	B632	C632				
		2001-02		C8213				
Seals	Both	2001-02	UVO817-EO		.216x.376 “Viton” - “Poly” available			
Lifters	Both	2001-02	VLA118		HYDRAULIC			
2 1591cc (1.6L) DOHC, GAS, FI, VIN 1, 5, 3, HYUNDAI GAMMA, D.I. 2010-12							4 VALVE	L4
PART		YEARS	PART NO.		NOTES			
Locks	Both		059-245-5.5		Top-bead 5.5mm			

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3 1594cc (1.6L) DOHC, GAS, FI, A6D 2003-05 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	2003-05	P5094	1.14x5.5mmx3.78
	Exh.	2003-05	P5093	1.01x5.5mmx3.74
Seats	Int.	2003-05	PC1250-61	1.250x.180x0.976 HI-CHROME
		2003-05	M21250-61	“ “ “ TUNGSTEN CARBIDE
	Exh.	2003-05	PC1125-51	1.125x.237x0.854 HI-CHROME
Guides	Both	2003-05	Bronze Cast	
		2003-05	B632 C632	.217x.376x1.575 - O/S AVAILABLE
			C8213	.217x.376x1.575
Seals	Both	2003-05	UVO817-EO	.216x.376 “Viton” - “Poly” available
Lifters	Both	2003-05	VLA118	HYDRAULIC
4 1597cc (1.6L) SOHC, GAS, FI, VIN 1, B6 MAZDA 1994-95 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Guides	Both	1994-95	B645	.237x.436x1.775 BRONZE
		1994-95	C645	“ “ “
Seals	Both	1994-95	BV1883-IO	.236x.433 “Viton” - “Poly” available
Lifters	Both	1994-95	VLA114	HYDRAULIC
5 1597cc (1.6L) DOHC, GAS, FI, VIN 3, 4, B6ZE MAZDA 1996-97 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Seats	Int.	1996-97	PC1250-61	1.250x.180x0.976 HI-CHROME
		1996-97	M21250-61	“ “ “ TUNGSTEN CARBIDE
	Exh.	1996-97	PC1062-50	1.062x.254x0.790 HI-CHROME
Guides	Int.	1996-97	Bronze Cast	
		1996-97	B524 C524	.237x.435x1.920
		1996-97	B514 C514	.237x.435x1.920 - O/S AVAILABLE
Seals	Both	1996-97	BV1883-IO	.236x.433 “Viton” - “Poly” available
6 1599cc (1.6L) DOHC, GAS, FI, VIN 3, HYUNDAI G4ED ALPHA II 2006-09 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	2006-09	P5151	1.14x6mmx3.61
		2006-09	P5122	1.11x6mmx3.61 - SMALL HEAD VALVE
	Exh.	2006-09	P5123	0.98x6mmx3.63
Guides	Both	2006-09	B526	.237x.436x1.520 BRONZE
		2006-09	C526	“ “ “
Seals	Both	2006-09	BV4951-G1	.236x.433 “Viton” - “Poly” available
Lifters	Both	2006-09	VLA118	HYDRAULIC
7 1793cc (1.8L) DOHC, GAS, FI, VIN 1, 5BP 1998-04 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1998-04	P5126	1.24x6mmx4.05
	Exh.	1998-04	P5127	1.06x6mmx3.93
Guides	Both	1998-04	B645	.237x.436x1.775 BRONZE
		1998-04	C645	“ “ “
Seals	Int.	1998-04	236434	.236x.434
	Both	1998-04	BV1883-IO	.236x.433 “Viton” - “Poly” available

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8 1839cc (1.8L) DOHC, GAS, FI, VIN 5, BPD, MAZDA 1995-97						4 VALVE		L4
PART		YEARS	PART NO.		NOTES			
Valves	Int.	1995-97	PV4364		1.30x6mmx3.99			
	Exh.	1995-97	PV4366		1.10x6mmx4.00			
Seats	Int.	1995-97	PC1437-74		1.437x.230x1.162 HI-CHROME			
	Exh.	1995-97	PC1250-56		1.250x.230x0.905/1.005 HI-CHROME			
Guides	Exh. Both	1995-97	Bronze	Cast	.237x.436x1.810 - O/S AVAILABLE .237x.436x1.775			
		B646	C646					
		B645	C645					
Seals	Int.	1995-97	236434		.236x.434 "Viton"			
	Both	1995-97	BV1883-IO		.236x.433 "Viton" - "Poly" available			
9 1975cc (2.0L) DOHC, GAS, FI, VIN 1, 2, 4, HYUNDAI G4GC BETA II 2004-11						4 VALVE		L4
PART		YEARS	PART NO.		NOTES			
Valves	Int.	2005-09	P5166		1.25x6mmx4.50			
	Exh.	2005-09	P5167		1.08x6mmx4.59			
Guides	Int. Exh.	2005-09	Bronze	Cast	.236x.435x1.790 - O/S AVAILABLE			
		2005-09	B649	C649	.235x.435x1.985 - O/S AVAILABLE			
		2005-09	B651	C651	.236x.434x2.140			
		2005-09		C2030				
Seals	Both	2005-09	BV4951-G1		.236x.433 "Viton" - "Poly" available			
10 1998cc (2.0L) DOHC, GAS, FI, VIN 3, FE MAZDA 1995-02						4 VALVE		L4
PART		YEARS	PART NO.		NOTES			
Valves	Int.	1995-02	P5182		1.32x6mmx4.06			
	Exh.	1995-02	P5181		1.14x6mmx4.09			
Guides	Int. Exh.	1995-02	Bronze	Cast	.237x.435x1.920			
		1995-02	B524	C524	.237x.436x1.810 - O/S AVAILABLE			
		1995-02	B646	C646				
		1995-02						
Seals	Both	1995-02	BV1883-IO		.236x.433 "Viton" - "Poly" available			
11 1998cc (2.0L) SOHC, GAS, FI, VIN 1, 2, FE MAZDA 1995-96						2 VALVE		L4
PART		YEARS	PART NO.		NOTES			
Valves	Int.	1995-96	P3249		1.73x8mmx4.406			
	Exh.	1995-96	P3250		1.41x8mmx4.400			
Seats	Int.	1995-96	PC1812-50		1.812x.307x1.490/1.588 HI-CHROME			
		1995-96	M21812-50		" " " TUNGSTEN CARBIDE			
	Exh.	1995-96	PC1500-54		1.500x.307x1.180/1.325 HI-CHROME			
		1995-96	M21500-54		" " " TUNGSTEN CARBIDE			
Guides	Both	1995-96	B603		.317x.553x2.165 BRONZE			
		1995-96	C603		" " " - O/S AVAILABLE			
Seals	Both	1995-96	UVO702-EO		.315x.551 "Viton"			
Locks	Both	1995-96	059-213-100		Center-bead 8mm			
Springs	Both	1995-96	051-368		0.960dx0.71id* 37Lb.@1.35 INNER			
		1995-96	051-370		1.310dx1.00id* 62Lb.@1.45 OUTER			
12 1998cc (2.0L) DOHC, GAS, FI, VIN 2, 6, HYUNDAI G4KD, G4KH, Theta II 2010-12						4 VALVE		L4
PART		YEARS	PART NO.		NOTES			
Valves	Int.	2010-12	P5250		1.37x5.5mmx4.456			
	Exh.	2010-12	P5249		1.14x5.5mmx4.169			
Locks	Both	2010-12	059-245-5.5		Top-bead 5.5mm			

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13 2359cc (2.4L) DOHC, GAS, FI, VIN 1, 2, 3, 5, 6, 7, 8, 9, HYUNDAI G4KE THETA II 2006-13 4 VALVE L4					
PART		YEARS		PART NO.	
Valves		Int. Exh.		P5250 P5249	
Seals		Both		217436	
Locks		Both		059-245-5.5	
14 2359cc (2.4L) DOHC, ELECT/GAS, FI, VIN D, HYUNDAI G4KK THETA HYBRID 2011-12 4 VALVE L4					
PART		YEARS		PART NO.	
Valves		Int. Exh.		P5250 P5249	
Locks		Both		059-245-5.5	
15 2351cc (2.4L) DOHC, GAS, FI, VIN 6, HYUNDAI G4JS SIRIUS 2001-06 4 VALVE L4					
PART		YEARS		PART NO.	
Valves		Int. Exh.		2001-06 2001-06 2001-06 2001-06	
Guides		Int. Exh.		2001-06 2001-06 2001-06	
Seals		Exh.		2001-06	
Locks		Both		2001-06	
16 2493cc (2.5L) DOHC, GAS, FI, HYUNDAI G6BV 2001-01 4 VALVE V6 2656cc (2.7L) DOHC, GAS, VI, VIN 3, 8, HYUNDAI G6BA DELTA 2002-10 4 VALVE V6					
PART		YEARS		PART NO.	
Valves		Int. Exh.		2001-10 2001-10	
Guides		Int. Exh.		2002-10 2002-10	
Seals		Both		2001-10	
Lifters		Both		2001-10	
17 2656cc (2.7L) DOHC, GAS, FI, VIN 4, 6, MU HYUNDAI 2007-09 4 VALVE V6					
PART		YEARS		PART NO.	
Seals		Both		2007-09	
18 3342cc (3.3L) DOHC, GAS, FI, VIN 5, 2, 7, HYUNDAI G6DB LAMBDA II 2007-13 4 VALVE V6					
PART		YEARS		PART NO.	
Locks		Both		2007-13	

KIA

19 3497cc (3.5L) DOHC, GAS, FI, VIN 1, 4, HYUNDAI G6CU 2002-06 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2002-06	P5120	1.38x6.6mmx4.18
	Exh.	2002-06	P5121	1.20x6.6mmx4.15
Seats	Exh.	2002-06 2002-06	PC1312-64 M21312-64	1.312x.316x1.045 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Int. Exh.	2002-06 2002-06 2002-06	Bronze Cast	
			B506 C506	.260x.475x1.795 - O/S AVAILABLE
			B540 C540	.260x.475x1.980 - O/S AVAILABLE
			C115	.260x.476x1.950
Seals	Both	2002-06	AV7015-E0	.260x.472 “Viton” - “Poly” available
Locks	Both	2002-06	059-016-483	Top-bead 6.6mm
20 3778cc (3.8L) DOHC, GAS, FI, VIN 1, 3, 5, 6, HYUNDAI G6DB LAMBDA II 2006-10 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Locks	Both	2007-13	059-245-5.5	Top-bead 5.5mm

Notes:

LAMBORGHINI

1 MISCELLANEOUS				
PART		APPLICATION	PART NO.	NOTES
Guides	Both Other	CONTOSH, 12 MIRA	B670	.275x.476x1.670 BRONZE
			B641	.314x.514x1.610 BRONZE
			B702	.315x.5925x1.728 BRONZE
			B2028	.315x.514x1.730 BRONZE

LAND ROVER

1 (2.5L) DOHC, KRV6, FREELANDER 2002-07				4 VALVE	V6		
PART		YEARS	PART NO.	NOTES			
Valves	Int.	2002-07	P5134	1.24x6mmx3.53			
	Exh.	2002-07	P5133	1.08x6mmx3.54			
Seals	Both	2002-07	236385	.236x.385 “Viton”			
2 215 C.I. (3.5L) BUICK						V8	
PART		YEARS	PART NO.	NOTES			
Guides	Both		C1880	.343x.596x2.610			
			C880	.343x.596x2.610			
			B612	.343x.595x2.437 BRONZE - .496 SP - O/S AVAILABLE			
3 245 C.I. 4009cc (4.0L) SOHC, GAS, FI, VIN 4, FORD 2005-08						2 VALVE	V6
PART		YEARS	PART NO.	NOTES			
Valves	Int.	2005-08	PV4585	1.81x7mmx4.52			
	Exh.	2005-08	PV4586	1.53x7mmx4.52			
Seats	Int.	2005-08	PC1812-4	1.812x.218x1.562 HI-CHROME			
		2005-08	M21812-4	“ “ “ TUNGSTEN CARBIDE			
	Exh.	2005-08	PC1625-54	1.625x.280x1.329 HI-CHROME			
Guides	Both	2005-08	C8663	.276x.472x1.740			
Seals	Both	2005-08	276472	.276x.472 “Viton”			
Locks	Both	2005-08	059-840-100	3 Round-bead 7mm			
Springs	Both	2005-08	052-302	1.160dx0.83id* 25Lb.@1.58			
4 MISCELLANEOUS							L4
PART		YEARS	PART NO.	NOTES			
Guides	Exh.		B602	.342x.565x1.960 BRONZE			

Notes:

LEXUS (TOYOTA)

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1	1798cc (1.8L) DOHC, ELECT/GAS, FI, TOYOTA , 2ZRFXE 2011-12	4 VALVE	L4
2	2362cc (2.4L) DOHC, ELECT/GAS, FI, TOYOTA , 2AZFXE 2010-12	4 VALVE	L4
3	2499cc (2.5L) DOHC, GAS, FI, 4GRFSE, TOYOTA 2006-08	4 VALVE	V6
	2994cc (3.0L) DOHC, GAS, FI, 3GRFSE, TOYOTA 2006-06	4 VALVE	V6
4	2508cc (2.5L) DOHC, GAS, FI, VIN V, 2VZFE, TOYOTA 1990-91	4 VALVE	V6
5	2959cc (3.0L) DOHC, GAS, FI, VIN V, 3VZFE, TOYOTA 1992-93	4 VALVE	V6
6	2995cc (3.0L) DOHC, GAS, FI, VIN F, G, 1MZFE, TOYOTA 1994-03	4 VALVE	V6
7	2997cc (3.0L) DOHC, GAS, FI, VIN D, J, 2JZGE, TOYOTA 1992-05	4 VALVE	V6
8	3300cc (3.3L) DOHC, ELECTRIC/GAS, GAS, FI, TOYOTA , 3MZFE 2004-09	4 VALVE	V6
9	3456cc (3.5L) DOHC, GAS, FI, TOYOTA , 2GRFE 2007-12	4 VALVE	V6
	3456cc (3.5L) DOHC, ELECTRIC/GAS, 2GRFSE, 2GRFXE 2006-11	4 VALVE	V6
10	3969cc (4.0L) DOHC, GAS, FI, VIN H, U, 1UZFE, TOYOTA 1990-00	4 VALVE	V8
11	4293cc (4.3L) DOHC, GAS, FI, 3UZFE, TOYOTA 2001-10	4 VALVE	V8
12	4477cc (4.5L) DOHC, GAS, FI, VIN J, 1FZFE, TOYOTA 1996-97	4 VALVE	L6
13	4608cc (4.6L) DOHC, GAS, FI, IURFE, 1URFSE 2007-12	4 VALVE	V8
14	4663cc (4.7L) DOHC, GAS, FI, 2UZFE, TOYOTA 1998-09	4 VALVE	V8
15	4968cc (5.0L) DOHC, ELECT/GAS, FI, 2URFSE 2008-12	4 VALVE	V8
	5663cc (5.7L) DOHC, GAS, FI, 3URFE, TOYOTA i-FORCE 2008-11		
16	4969cc (5.0L) DOHC, GAS, FI, 2URGSE 2008-12	4 VALVE	V8

1 1798cc (1.8L) DOHC, ELECT/GAS, FI, TOYOTA , 2ZRFXE 2011-12 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Int.	2011-12	C3134	.217x.407x1.630
	Exh.	2011-12	C3135	.217x.407x1.850
Seals	Both	2011-12	BV5044-E0	.217x.407 “Viton” - “Poly” available
Locks	Both	2011-12	059-211-100	Top-bead 5.5mm
2 2362cc (2.4L) DOHC, ELECT/GAS, FI, TOYOTA , 2AZFXE 2010-12 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2010-12	P5188	1.33x5.5mmx4.004
	Exh.	2010-12	P5189	1.15x5.5mmx3.982
Guides	Both	2010-12	C8585	.217x.407x1.590
Seals	Both	2010-12	BV5044-E0	.217x.407 “Viton” - “Poly”
Locks	Both	2010-12	059-211-100	Top-bead 5.5mm

LEXUS

3 2499cc (2.5L) DOHC, GAS, FI, 4GRFSE, TOYOTA 2006-08				4 VALVE	V6
2994cc (3.0L) DOHC, GAS, FI, 3GRFSE, TOYOTA 2006-06				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Seals	Both	2006-08	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2006-08	059-211-100	Top-bead 5.5mm	
4 2508cc (2.5L) DOHC, GAS, FI, VIN V, 2VZFE, TOYOTA 1990-91				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1990-91	P3863	1.29x6mmx3.77	
	Exh.	1990-91	P3862	1.07x6mmx3.86	
Seats	Int.	1990-91	PC1375-50	1.375x.255x1.09/1.218 HI-CHROME	
	Exh.	1990-91	PC1187-53	1.187x.235x0.935 HI-CHROME	
Guides	Both	1990-91	B8038	.237x.435x1.595 BRONZE	
		1990-91	C8038	" " " - O/S AVAILABLE	
Seals	Both	1990-91	BV1883-IO	.236x.433 "Viton" - "Poly" available	
Locks	Both	1990-91	059-211-058	Round-bead 6mm	
5 2959cc (3.0L) DOHC, GAS, FI, VIN V, 3VZFE, TOYOTA 1992-93				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1992-93	PV2585	1.34x6mmx3.743	
	Exh.	1992-93	PV2641X	1.07x6mmx3.727	
Seats	Int.	1992-93	PC1437-72	1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1992-93	PC1187-53	1.187x.235x0.935 HI-CHROME	
Guides	Both	1992-93	B8038	.237x.435x1.595 BRONZE	
		1992-93	C8038	" " " - O/S AVAILABLE	
Seals	Both	1992-93	BV1883-IO	.236x.433 "Viton" - "Poly" available	
Locks	Both	1992-93	059-211-058	Round-bead 6mm	
6 2995cc (3.0L) DOHC, GAS, FI, VIN F, G, 1MZFE, TOYOTA 1994-03				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1994-03	PV4524	1.33x5.5mmx3.75	
	Exh.	1994-03	PV4525X	1.07x5.5mmx3.75	
Seats	Int.	1994-03	PC1437-72	1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1994-03	PC1187-53	1.187x.235x0.935 HI-CHROME	
Guides	Int.	1994-03	C8584	.217x.407x1.360	
	Exh.	1994-03	C8585	.217x.407x1.590	
Seals	Both	1994-03	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	1994-03	059-211-100	Top-bead 5.5mm	
7 2997cc (3.0L) DOHC, GAS, FI, VIN D, J, 2JZGE, TOYOTA 1992-05				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1992-05	PV4706	1.31x6mmx3.88	
	Exh.	1992-05	PV4707	1.14x6mmx3.90	
Seats	Int.	1992-05	PC1437-72	1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1992-05	PC1250-58	" " " HI-CHROME	
Guides	Int.	1992-05	Bronze	.237x.436x1.520	
			Cast		
	Exh.	1992-05	B526	.237x.435x1.595 - O/S AVAILABLE	
			B8038	C8038	
Seals	Both	1992-05	BV1883-IO	.236x.433 "Viton" - "Poly" available	
		1992-05	236434	.236x.434 "Viton"	

LEXUS

8 3300cc (3.3L) DOHC, ELECTRIC/GAS, GAS, FI, TOYOTA , 3MZFE 2004-09				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2004-09	PV4524	1.33x5.5mmx3.75	
	Exh.	2004-09	PV4525X	1.07x5.5mmx3.75	
Seals	Both	2004-09	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2004-08	059-211-100	Top-bead 5.5mm	
9 3456cc (3.5L) DOHC, GAS, FI, TOYOTA , 2GRFE 2007-12				4 VALVE	V6
3456cc (3.5L) DOHC, ELECTRIC/GAS, 2GRFSE, 2GRFXE 2006-11				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2006-12	P5236N	1.49x5.5mmx4.165	
	Exh.	2006-12	P5237N	1.26x5.5mmx4.345	
Guides	Int.	2006-12	C3134	.217x.407x1.630	
	Exh.	2006-12	C3135	.217x.407x1.850	
Seals	Both	2006-12	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2006-12	059-211-100	Top-bead 5.5mm	
10 3969cc (4.0L) DOHC, GAS, FI, VIN H, U, 1UZFE, TOYOTA 1990-00				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1998-00	P5071	1.35x5.5mmx3.74	
		1998-00	P5278	1.35x5.5mmx3.744	
		1998-00	P5150	1.14x5.5mmx3.74	
Seats	Int.	1990-97	PC1437-72	1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1990-97	PC1250-58	1.250x.255x0.955 HI-CHROME	
Guides	Int.	1998-00	C8584	.217x.407x1.360	
	Exh.	1998-00	C8585	.217x.407x1.590	
	Both	1990-97	C8273	.236x.435x1.890	
Seals	Both	1990-97	BV1883-IO	.236x.433 "Viton" - "Poly" available	
		1998-00	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	1990-97	059-211-058	Round-bead 6mm	
11 4293cc (4.3L) DOHC, GAS, FI, 3UZFE, TOYOTA 2001-10				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2001-05	P5071	1.35x5.5mmx3.74	
		2001-10	P5278	1.35x5.5mmx3.744	
	Exh.	2001-06	P5150	1.14x5.5mmx3.74	
		2001-06	P5150N	1.14x5.5mmx3.742 NITRIDED	
Guides	Int.	2001-10	C8584	.217x.407x1.360	
	Exh.	2001-10	C8585	.217x.407x1.590	
Seals	Both	2001-10	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2001-10	059-211-100	Top-bead 5.5mm	
12 4477cc (4.5L) DOHC, GAS, FI, VIN J, 1FZFE, TOYOTA 1996-97				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Seals	Both	1996-97	276455	.276x.455 "Viton"	
13 4608cc (4.6L) DOHC, GAS, FI, 1URFE, 1URFSE 2007-12				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2007-12	P5236N	1.49x5.5mmx4.165	
	Exh.	2007-12	P5237N	1.26x5.5mmx4.345	
Guides	Int.	2007-12	C3134	.217x.407x1.630	
	Exh.	2007-12	C3135	.217x.407x1.85	

LEXUS

13 4608cc (4.6L) DOHC, GAS, FI, IURFE, 1URFSE 2007-12 (CONT.)				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seals	Both	2007-12	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2007-12	059-211-100	Top-bead 5.5mm	
14 4663cc (4.7L) DOHC, GAS, FI, 2UZFE, TOYOTA 1998-09				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1998-05	P5071	1.35x5.5mmx3.74	
		1998-09	P5278	1.35x5.5mmx3.744	
	Exh.	1998-05	P5150	1.14x5.5mmx3.74	
		1998-05	P5150N	1.14x5.5mmx3.742 NITRIDED	
Guides	Int.	1998-05	C8584	.217x.407x1.360	
	Exh.	1998-05	C8585	.217x.407x1.590	
Seals	Both	1998-05	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	1998-09	059-211-100	Top-bead 5.5mm	
15 4968cc (5.0L) DOHC, ELECT/GAS, FI, 2URFSE 2008-12				4 VALVE	V8
5663cc (5.7L) DOHC, GAS, FI, 3URFE, TOYOTA i-FORCE 2008-11					
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2007-12	P5236N	1.49x5.5mmx4.165	
	Exh.	2007-12	P5237N	1.26x5.5mmx4.345	
Guides	Int.	2007-12	C3134	.217x.407x1.630	
	Exh.	2007-12	C3135	.217x.407x1.85	
Seals	Both	2007-12	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2007-12	059-211-100	Top-bead 5.5mm	
16 4969cc (5.0L) DOHC, GAS, FI, 2URGSE 2008-12				4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seals	Both	2008-09	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2008-12	059-211-100	Top-bead 5.5mm	

LOTUS

1 MISCELLANEOUS				
PART		APPLICATION	PART NO.	NOTES
Guides	Int.	1.5/1.6L	B240	.311x.501x1.520 - O/S AVAILABLE
	Exh.	1.5/1.6L	B241	.311x.501x1.485 - O/S AVAILABLE
	Both	DOHC, L4	B268	.281x.470x2.100 - O/S AVAILABLE

MASERATI

1 MISCELLANEOUS				
PART		APPLICATION	PART NO.	NOTES
Guides	Int.	V6	B419	.315x.591x1.318 - BRONZE
		V12	B408	.313x.592x2.240 - BRONZE
		V8	B5566	.311x.592x1.900 - BRONZE
	Exh.	V6	B418	.353x.591x1.792 - BRONZE
		V12	B409	.313x.592x2.440 - BRONZE
		V8	B5567	.311x.592x2.168 - BRONZE

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1	1189cc (1.2L) SOHC 1971-72	2 VALVE	L4
2	1272cc (1.3L) SOHC, GAS, CARB, TC 1976-78	2 VALVE	L4
3	1415cc (1.4L) SOHC, GAS, CARB, UC 1979-80	2 VALVE	L4
4	90 C.I. (1.5L) E5, D5 FORKLIFT - INDUST.	2 VALVE	L4
5	1489cc (1.5L) DOHC, GAS, FI, Z5 1995-98	4 VALVE	L4
6	1498cc (1.5L) DOHC, GAS, FI, VIN Y, Z, MZR 2011-12	4 VALVE	L4
7	1490cc (1.5L) SOHC, GAS, CARB, E5 1981-85	2 VALVE	L4
8	1587cc (1.6L) SOHC, GAS, CARB 1971-77	2 VALVE	L4
9	1589cc (1.6L) DOHC, GAS, FI, ZM 1999-01	4 VALVE	L4
10	1597cc (1.6L) SOHC, GAS, FI, B6 1986-94	2 VALVE	L4
11	1597cc (1.6L) DOHC, GAS, FI, B6T TURBO 1988-89	4 VALVE	L4
12	1597cc (1.6L) SOHC, GAS, FI, B6 1992-93	4 VALVE	L4
13	1597cc (1.6L) DOHC, GAS, FI, B6 1990-95	4 VALVE	L4
14	1796cc (1.8L) SOHC, GAS, CARB, VB 1977-78	2 VALVE	L4
15	1839cc (1.8L) SOHC, GAS, FI, BP012 1990-94	4 VALVE	L4
16	1839cc (1.8L) DOHC, GAS, FI, BP 1990-05	4 VALVE	L4
17	1839cc (1.8L) DOHC, GAS, FI, FP 1999-00	4 VALVE	L4
18	1845cc (1.8L) DOHC, GAS, FI, K8 1992-94	4 VALVE	V6
19	121 C.I. (2.0L) VA FORKLIFT - INDUST.	2 VALVE	L4
20	122 C.I. (2.0L) FE FORKLIFT - INDUST.	2 VALVE	L4
21	1970cc (2.0L) SOHC, GAS, CARB, MA 1979-84	2 VALVE	L4
22	1991cc (2.0L) DOHC, GAS, FI, FS-DE, TURBO 1993-03	4 VALVE	L4
23	1991cc (2.0L) DOHC, GAS, FI, FORD ZETEC 2001-04	4 VALVE	L4
24	1998cc (2.0L) SOHC, GAS, CARB, FE 1984-87	2 VALVE	L4
	1998cc (2.0L) SOHC, GAS, FI, FE 1986-87	2 VALVE	L4
25	1998cc (2.0L) SOHC, DIESEL, FI, RF 1984-85	2 VALVE	L4
26	1998cc (2.0L) SOHC, GAS, FI, FE TURBO 1986-87	2 VALVE	L4
27	2000cc (2.0L) DOHC, GAS, FI, VIN F, G 2004-12	4 VALVE	L4
	2260cc (2.3L) DOHC, GAS, FI, VIN 3, 4, L, M, TURBO 2003-12	4 VALVE	L4
28	133 C.I. (2.2L) F2 FORKLIFT YALE - INDUST.	2 VALVE	L4
29	2184cc (2.2L) SOHC, GAS, CARB, F2 1987-92	2 VALVE	L4
30	2184cc (2.2L) SOHC, GAS, FI, F2 1990-93	2 VALVE	L4
31	2184cc (2.2L) SOHC, GAS, FI, F2, TURBO 1988-92	3 VALVE	L4
32	2254cc (2.3L) DOHC, GAS, FI, KJ 1995-02	4 VALVE	V6

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33	2295cc (2.3L) SOHC, GAS, FI, VIN A, FORD 1994-97	2 VALVE	L4
34	2300cc (2.3L) DOHC, GAS, FI, VIN D, Z, H, DURATEC 2001-09	4 VALVE	L4
35	2488cc (2.5L) DOHC, ELECT/GAS, FI, VIN 3, 5, 6, 7, A, H, L, M, DURATEC 2009-12	4 VALVE	L4
36	2492cc (2.5L) SOHC, GAS, FI, VIN C, FORD 1998-01	2 VALVE	L4
37	2497cc (2.5L) DOHC, GAS, FI, KL, VIN 1 1993-02	4 VALVE	V6
38	2497cc (2.5L) DOHC, GAS, FI, GY, FORD DURATEC 2000-01	4 VALVE	V6
39	2544cc (2.5L) DOHC, FORD 2000-01	4 VALVE	V6
40	2555cc (2.6L) SOHC, GAS, CARB, CE26 MITSUBISHI 1987-88	3 VALVE	L4
41	2606cc (2.6L) SOHC, GAS, FI, G6 1989-93	3 VALVE	L4
42	2606cc (2.6L) SOHC, GAS, FI, G60 1989-94	3 VALVE	L4
43	2954cc (3.0L) SOHC, GAS, FI, CE30, JE30, JE39 1988-98	3 VALVE	V6
44	2954cc (3.0L) DOHC, GAS, FI, JE27, JE48, JE74 1990-95	4 VALVE	V6
45	2954cc (3.0L) OHV, FLEX, GAS, FI, VIN U, V, FORD VULCAN 1994-07	2 VALVE	V6
46	2954cc (3.0L) DOHC, GAS, FLEX, FI, VIN 1, G, AJ, DURATEC 2001-11	4 VALVE	V6
47	3496cc (3.5L) 3726cc (3.7) DOHC, GAS, FI, A, B, V, FORD DURATEC 2007-12	4 VALVE	V6
48	4016cc (4.0L) OHV, GAS, FI, VIN X, VGE4 FORD 1991-00	2 VALVE	V6
49	4016cc (4.0L) SOHC, GAS, FI, VIN E, FORD 2001-08	2 VALVE	V6
50	MICELLANEOUS		

1	1189cc (1.2L) SOHC 1971-72	2 VALVE	L4
PART	YEARS	PART NO.	NOTES
Valves	Int. 1971-72 Exh. 1971-72	P4060 P4061	1.33x7mmx4.25 1.14x7mmx3.88
2	1272cc (1.3L) SOHC, GAS, CARB, TC 1976-78	2 VALVE	L4
PART	YEARS	PART NO.	NOTES
Valves	Int. 1976-78 Exh. 1976-78	P3172 P3630	1.41x8mmx4.15 1.22x8mmx4.07
Seats	Int. 1976-78 Exh. 1976-78	PC1562-57 PC1375-54	1.562x.230x1.246/1.303 HI-CHROME 1.375x.230x1.022/1.085 HI-CHROME
Guides	Both 1976-78 1976-78	B322 C322	.317x.553x1.990 BRONZE - O/S AVAILABLE “ “ “
Seals	Both 1976-78 1976-78	55155 55737	.315x.500 “Viton” .315x.548 “Poly”
Locks	Int. 1976-78 Exh. 1976-78	059-212-100 059-213-100	Center-bead 8mm .255”Long Center-bead 8mm .252”Long

MAZDA

3 1415cc (1.4L) SOHC, GAS, CARB, UC 1979-80 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1979-80	P3172	1.41x8mmx4.15
	Exh.	1979-80	P3630	1.22x8mmx4.07
Seats	Int.	1979-80	PC1562-57	1.562x.230x1.246/1.303 HI-CHROME
	Exh.	1979-80	PC1375-54	1.375x.230x1.022/1.085 HI-CHROME
Guides	Both	1979-80	B322	.317x.553x1.990 BRONZE - O/S AVAILABLE
		1979-80	C322	“ “ “
Seals	Both	1979-80	55155	.315x.500 “Viton”
		1979-80	55737	.315x.548 “Poly”
Locks	Int.	1979-80	059-212-100	Center-bead 8mm .255”Long
	Exh.	1979-80	059-213-100	Center-bead 8mm .252”Long
4 90 C.I. (1.5L) E5, D5 FORKLIFT - INDUST. 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1562-67	1.562x.319x1.255/1.307 HI-CHROME
	Exh.		PC1375-54	1.375x.230x1.022/1.085 HI-CHROME
Guides	Both	817323090	B323	.317x.553x1.990 BRONZE
			C323	“ “ “
Seals	Both		UVO702-EO	.315x.551 “Viton”
5 1489cc (1.5L) DOHC, GAS, FI, Z5 1995-98 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	1995-98	C8587	.217x.435x1.75
Seals	Both	1995-98	UVO606-G0	.217x.433 “Viton” - “Poly” available
6 1498cc (1.5L) DOHC, GAS, FI, VIN Y, Z, MZR 2011-12 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seals	Both	2011-12	216435	.216x.435 “Viton”
Locks	Both	2011-12	059-211-104	Top-bead 5.5mm
7 1490cc (1.5L) SOHC, GAS, CARB, E5 1981-85 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1981-85	P3172	1.41x8mmx4.15
	Exh.	1981-85	P3630	1.22x8mmx4.07
Seats	Int.	1981-85	PC1562-57	1.562x.230x1.246/1.303 HI-CHROME
	Exh.	1981-85	PC1375-54	1.375x.230x1.022/1.085 HI-CHROME
Guides	Both	1981-85	B323	.317x.553x1.990 BRONZE
		1981-85	C323	“ “ “
Seals	Both	1981-85	UVO702-EO	.315x.551 “Viton”
Locks	Int.	1981-85	059-212-100	Center-bead 8mm .255”Long
	Exh.	1981-85	059-213-100	Center-bead 8mm .252”Long
8 1587cc (1.6L) SOHC, GAS, CARB 1971-77 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1971-77	P3027	1.65x8mmx4.27
		1971-77	P3027HP-C	1.69x8mmx4.27 - 1mm O/S
	Exh.	1971-77	P3160	1.30x8mmx4.21
		1971-77	P3160HP-C	1.33x8mmx4.20 - 1mm O/S
Seats	Int.	1971-77	PC1750-54	1.750x.316x1.460/1.582 HI-CHROME
	Exh.	1971-77	PC1500-57	1.500x.316x1.100/1.213 HI-CHROME

MAZDA

8 1587cc (1.6L) SOHC, GAS, CARB 1971-77 (CONT.) 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	1971-77 1971-77	B322 C322	.317x.553x1.990 BRONZE - O/S AVAILABLE “ “ “
Seals	Both	1971-77	UVO702-EO	.315x.551 “Viton”
Locks	Int. Exh.	1971-77 1971-77	059-212-100 059-213-100	Center-bead 8mm .255”Long Center-bead 8mm .252”Long
9 1589cc (1.6L) DOHC, GAS, FI, ZM 1999-01 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seals	Int. Both	1999-01 1999-01	236434 BV1883-IO	.236x.434 “Viton” .236x.433 “Viton” - “Poly” available
10 1597cc (1.6L) SOHC, GAS, FI, B6 1986-94 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1986-94 1986-94	P3827 P3828	1.50x7mmx4.08 1.26x7mmx4.04
Seats	Int. Exh.	1986-94 1986-94 1986-94	PC1625-62 M21625-62 PC1437-66	1.625x.300x1.320 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.437x.300x1.120 HI-CHROME
Guides	Both	1986-94 1986-94 1986-94	B557 C557 C440	.276x.474x1.964 BRONZE “ “ “ - O/S AVAILABLE .274x.476x1.970
Seals	Both	1986-94	BV2849-EO	.275x.472 “Viton” - “Poly” available
Lifters	Both	1986-94	VLA114	HYDRAULIC
11 1597cc (1.6L) DOHC, GAS, FI, B6T TURBO 1988-89 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1988-89 1988-89 1988-89	PC1250-61 M21250-61 PC1062-50	1.250x.180x0.976 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.062x.254x0.790 HI-CHROME
Guides	Int. Exh.	1988-89 1988-89 1988-89	Bronze Cast B524 C524 B514 C514 C514BP	.237x.435x1.920 .237x.435x1.920 - O/S AVAILABLE .236x.435x1.920 - O/S AVAILABLE
Seals	Both	1988-89	BV1883-IO	.236x.433 “Viton” - “Poly” available
Lifters	Both	1988-89	VLA118	HYDRAULIC
12 1597cc (1.6L) SOHC, GAS, FI, B6 1992-93 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	1992-93 1992-93	B645 C645	.237x.436x1.775 BRONZE “ “ “
Seals	Both	1992-93	BV1883-IO	.236x.433 “Viton” - “Poly” available
Lifters	Both	1992-93	VLA114	HYDRAULIC
13 1597cc (1.6L) DOHC, GAS, FI, B6 1990-95 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1990-95 1990-95 1990-95	PC1250-61 M21250-61 PC1062-50	1.250x.180x0.976 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.062x.254x0.790 HI-CHROME

MAZDA

13 1597cc (1.6L) DOHC, GAS, FI, B6 1990-95 (CONT.)					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Guides	Int.	1990-95	Bronze	Cast		
		1990-95	B524	C524	.237x.435x1.920	
	Exh.	1990-95	B514	C514	.237x.435x1.920 - O/S AVAILABLE	
		1990-95		C514BP	.236x.435x1.920 - O/S AVAILABLE	
Seals	Int.	1990-95	236434		.236x.434 “Viton”	
	Both	1990-95	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Lifters	Both	1990-95	VLA118		HYDRAULIC	
14 1796cc (1.8L) SOHC, GAS, CARB, VB 1977-78					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1977-78	P3027		1.65x8mmx4.27	
		1977-78	P3027HP-C		1.69x8mmx4.27 - 1mm O/S	
	Exh.	1977-78	P3160		1.30x8mmx4.21	
		1977-78	P3160HP-C		1.33x8mmx4.20 - 1mm O/S	
Seats	Int.	1977-78	PC1750-54		1.750x.316x1.460/1.582 HI-CHROME	
	Exh.	1977-78	PC1500-57		1.500x.316x1.100/1.213 HI-CHROME	
Guides	Both	1977-78	B236		.317x.553x2.000 BRONZE - O/S AVAILABLE	
		1977-78	C236		“ “ “ - O/S AVAILABLE	
Seals	Both	1977-78	55737		.315x.548 “Poly”	
Locks	Int.	1977-78	059-212-100		Center-bead 8mm .255”Long	
	Exh.	1977-78	059-213-100		Center-bead 8mm .252”Long	
15 1839cc (1.8L) SOHC, GAS, FI, BP012 1990-94					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1990-94	PC1250-65		1.250x.215x1.030 HI-CHROME	
	Exh.	1990-94	PC1125-55		1.125x.240x0.830 HI-CHROME	
Guides	Int.	1990-94	Bronze	Cast		
		1990-94	B524	C524	.237x.435x1.920	
	Exh.	1990-94	B514	C514	.237x.435x1.920 - O/S AVAILABLE	
		1990-94		C514BP	.236x.435x1.920 - O/S AVAILABLE	
Seals	Both	1990-94	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Lifters	Both	1990-94	VLA114		HYDRAULIC	
16 1839cc (1.8L) DOHC, GAS, FI, BP 1990-05					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1990-97	PV4364		1.30x6mmx3.99	
		1990-97	PV4364HP-C		1.33x6mmx3.99 - 1mm O/S	
	Exh.	1990-97	PV4366		1.10x6mmx4.00	
		1990-97	PV4366HP-C		1.14x6mmx3.99 - 1mm O/S	
Seats	Int.	1990-05	PC1437-74		1.437x.230x1.162 HI-CHROME	
	Exh.	1990-05	PC1250-56		1.250x.230x0.905/1.005 HI-CHROME	
Guides	Int.	1990-05	Bronze	Cast		
		1990-05	B645	C645	.237x.436x1.775 - MIATA	
	Exh.	1990-00	B646	C646	.237x.436x1.810 - MIATA - O/S AVAILABLE	
	Both	1990-00	B647	C647	.236x.436x1.500 - PROTEGE - O/S AVAILABLE	
Seals	Int.	1996-05	236434		.236x.434 “Viton”	
	Both	1990-05	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Lifters	Both	1990-05	VLA118		HYDRAULIC	

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17 1839cc (1.8L) DOHC, GAS, FI, FP 1999-00				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1999-00	PV4517	1.24x6mmx3.53	
	Exh.	1999-00	PV4518	1.08x6mmx3.54	
Guides	Both	1999-00	B647	.236x.436x1.500 BRONZE - O/S AVAILABLE	
		1999-00	C647	“ “ “	
Seals	Int.	1999-00	236434	.236x.434 “Viton”	
	Both	1999-00	BV1883-IO	.236x.433 “Viton” - “Poly” available	
18 1845cc (1.8L) DOHC, GAS, FI, K8 1992-94				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Guides	Both	1992-94	B647	.236x.436x1.500 BRONZE - O/S AVAILABLE	
		1992-94	C647	“ “ “	
Seals	Both	1992-94	BV1883-IO	.236x.433 “Viton” - “Poly” available	
Lifters	Both	1992-94	VLA118	HYDRAULIC	
19 121 C.I. (2.0L) VA FORKLIFT - INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-2	1.625x.250x1.375 HI-CHROME	
			M21625-2	“ “ “ TUNGSTEN CARBIDE	
20 122 C.I. (2.0L) FE FORKLIFT - INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Valves	Int.		P3249	1.73x8mmx4.406 - 45° seat angle	
	Exh.		P3250	1.41x8mmx4.400 - 45° seat angle	
Guides	Both	F8012390	B603 C603	.317x.553x2.165 BRONZE “ “ “ - O/S AVAILABLE	
Seals	Both		UVO702-EO	.315x.551 “Viton”	
Springs	Both	901294805	051-368	0.960dx0.71id* 37Lb.@1.35 INNER	
		901294804	051-370	1.310dx1.00id* 62Lb.@1.45 OUTER	
21 1970cc (2.0L) SOHC, GAS, CARB, MA 1979-84				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1979-84	P3027	1.65x8mmx4.27	
		1979-84	P3027HP-C	1.69x8mmx4.27 - 1mm O/S	
	Exh.	1979-84	P3160	1.30x8mmx4.21	
		1979-84	P3160HP-C	1.33x8mmx4.20 - 1mm O/S	
Seats	Int.	1979-84	PC1750-54	1.750x.316x1.460/1.582 HI-CHROME	
	Exh.	1979-84	PC1500-57	1.500x.316x1.100/1.213 HI-CHROME	
Guides	Both	1979-84 1979-84	B322 C322	.317x.553x1.990 BRONZE - O/S AVAILABLE “ “ “	
Seals	Both	1979-84	UVO702-EO	.315x.551 “Viton”	
Locks	Int.	1979-84	059-212-100	Center-bead 8mm .255”Long	
	Exh.	1979-84	059-213-100	Center-bead 8mm .252”Long	
Timing Sets		1979-82 1983-84 1979-84	PT34591 PT34592 PT34589	TIMING KIT TIMING KIT 3-PC.-OIL-PUMP-DRIVE-KIT	

MAZDA

22 1991cc (2.0L) DOHC, GAS, FI, FS-DE, TURBO 1993-03 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1993-03	PV4517	1.24x6mmx3.53
	Exh.	1993-03	PV4518	1.08x6mmx3.54
Guides	Both	1993-03 1993-03	B647 C647	.236x.436x1.500 BRONZE - O/S AVAILABLE “ “ “
Seals	Int. Both	1993-03 1993-93	236434 BV1883-IO	.236x.434 “Viton” .236x.433 “Viton” - “Poly” available
Lifters	Both	1993-97	VLA118	HYDRAULIC
Dowel Pins	Both	1993-03	DP356	.356x.279x.318
23 1991cc (2.0L) DOHC, GAS, FI, FORD ZETEC 2001-04 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2001-04	PV4490	1.26x6mmx3.82
	Exh.	2001-04	PV4489	1.10x6mmx3.80
Seats	Int.	2001-04	PC1339E-2	1.339x.335x1.024 HI-CHROME
		2001-04	M21339E-2	“ “ “ TUNGSTEN CARBIDE
	Exh.	2001-04	PC1187-51	1.187x.257x0.905 HI-CHROME
		2001-04	M21187-51	“ “ “ TUNGSTEN CARBIDE
Guides	Both	2001-04 2001-04	B696 C696	.238x.472x1.42 BRONZE “ “ “
Seals	Both	2001-04	236463	.236x.463 “Viton”
24 1998cc (2.0L) SOHC, GAS, CARB, FE 1984-87 2 VALVE L4				
1998cc (2.0L) SOHC, GAS, FI, FE 1986-87 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1984-87	P3249	1.73x8mmx4.406
	Exh.	1984-87	P3250	1.41x8mmx4.400
Seats	Int.	1984-87	PC1812-50	1.812x.307x1.490/1.588 HI-CHROME
		1984-87	M21812-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1984-87	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME
		1984-87	M21500-54	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1984-87 1984-87	B603 C603	.317x.553x2.165 BRONZE “ “ “ - O/S AVAILABLE
Seals	Exh.	1984-87	UVO702-EO	.315x.551 “Viton”
Locks	Int. Exh.	1984-87 1984-87	059-212-100 059-213-100	Center-bead 8mm .255”Long Center-bead 8mm .252”Long
Springs	Both	1984-87 1984-87	051-368 051-370	0.960dx0.71id* 37Lb.@1.35 INNER 1.310dx1.00id* 62Lb.@1.45 OUTER
25 1998cc (2.0L) SOHC, DIESEL, FI, RF 1984-85 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1984-85	P3872	1.61x8mmx4.20
	Exh.	1984-85	PV2460	1.41x8mmx4.20
Seats	Int. Exh.	1984-85 1984-85	PC1687-57 PC1500-72	1.687x.275x1.335/1.487 HI-CHROME 1.500x.275x1.182/1.260 HI-CHROME
Guides	Int. Exh.	1984-85 1984-85	Bronze Cast	
			B341	.315x.553x1.600
			B342 C342	.315x.553x1.490 - O/S AVAILABLE
Seals	Both	1984-85	UVO702-EO	.315x.551 “Viton”

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26 1998cc (2.0L) SOHC, GAS, FI, FE TURBO 1986-87 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1986-87	P3249	1.73x8mmx4.406
	Exh.	1986-87	P3250	1.41x8mmx4.400
Seats	Int.	1986-87	PC1812-50	1.812x.307x1.490/1.588 HI-CHROME
		1986-87	M21812-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1986-87	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME
		1986-87	M21500-54	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1986-87	B603	.317x.553x2.165 BRONZE
		1986-87	C603	“ “ “ - O/S AVAILABLE
Seals	Both	1986-87	UVO702-EO	.315x.551 “Viton”
Locks	Int.	1986-87	059-212-100	Center-bead 8mm .255”Long
	Exh.	1986-87	059-213-100	Center-bead 8mm .252”Long
Springs	Both	1986-87	051-368	0.960dx0.71id* 37Lb.@1.35 INNER
		1986-87	051-370	1.310dx1.00id* 62Lb.@1.45 OUTER
27 2000cc (2.0L) DOHC, GAS, FI, VIN F, G 2004-12 4 VALVE L4				
2260cc (2.3L) DOHC, GAS, FI, VIN 3, 4, L, M, TURBO 2003-12 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2003-12	P5092	1.37x5.5mmx4.07
	Exh.	2003-12	P5091	1.17x5.5mmx4.11
Seats	Exh.	2003-12	PC1250-62	1.250x.305x1.000 HI-CHROME
Guides	Both	2003-12	C3070	.217x.434x1.535
Seals	Both	2003-12	216435	.216x.435 “Viton”
Locks	Both	2003-12	059-211-104	Top-bead 5.5mm
28 133 C.I. (2.2L) F2 FORKLIFT YALE - INDUST. 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Valves	Int.	F80112111A	P3249	1.73x8mmx4.406
	Exh.	F80112121A	P3250	1.41x8mmx4.400
Guides	Both	F80123090	B603 C603	.317x.553x2.165 BRONZE “ “ “ - O/S AVAILABLE
Seals	Both	901274801	UVO702-EO	.315x.551 “Viton”
Springs	Both	901294805	051-368	0.960dx0.71id* 37Lb.@1.35 INNER
		901294804	051-370	1.310dx1.00id* 62Lb.@1.45 OUTER
29 2184cc (2.2L) SOHC, GAS, CARB, F2 1987-92 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1987-92	P3249	1.73x8mmx4.406
	Exh.	1987-92	P3250	1.41x8mmx4.400
Seats	Int.	1987-92	PC1812-50	1.812x.307x1.490/1.588 HI-CHROME
		1987-92	M21812-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1987-92	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME
		1987-92	M21500-54	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1987-92	B603	.317x.553x2.165 BRONZE
		1987-92	C603	“ “ “ - O/S AVAILABLE
Seals	Both	1987-92	UVO702-EO	.315x.551 “Viton”
Locks	Int.	1987-92	059-212-100	Center-bead 8mm .255”Long
	Exh.	1987-92	059-213-100	Center-bead 8mm .252”Long
Springs	Both	1987-92	051-368	0.960dx0.71id* 37Lb.@1.35 INNER
		1987-92	051-370	1.310dx1.00id* 62Lb.@1.45 OUTER
Lifters	Both	1987-92	VLA114	HYDRAULIC

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30 2184cc (2.2L) SOHC, GAS, FI, F2 1990-93 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1990-93	P3249	1.73x8mmx4.406
	Exh.	1990-93	P3250	1.41x8mmx4.400
Seats	Int.	1990-93	PC1812-50	1.812x.307x1.490/1.588 HI-CHROME
		1990-93	M21812-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1990-93	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME
		1990-93	M21500-54	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1990-93	B544	.276x.476x2.090 BRONZE
		1990-93	C544	“ “ “ - O/S AVAILABLE
Seals	Both	1990-93	UVO702-EO	.315x.551 “Viton”
Locks	Int.	1990-93	059-212-100	Center-bead 8mm .255”Long
	Exh.	1990-93	059-213-100	Center-bead 8mm .252”Long
Springs	Both	1990-93	051-368	0.960dx0.71id* 37Lb.@1.35 INNER
		1990-93	051-370	1.310dx1.00id* 62Lb.@1.45 OUTER
31 2184cc (2.2L) SOHC, GAS, FI, F2, TURBO 1988-92 3 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1988-92	PV2615	1.28x7mmx4.56
	Exh.	1988-92	P3871	1.34x7mmx4.57
Seats	Int.	1988-92	PC1375-56	1.375x.260x1.102 HI-CHROME
	Exh.	1988-92	PC1437-75	1.437x.260x1.175 HI-CHROME
Guides	Both	1988-92	B544	.276x.476x2.090 BRONZE - O/S AVAILABLE
		1988-92	C544	“ “ “ - O/S AVAILABLE
Seals	Both	1988-92	BV2849-EO	.275x.472 “Viton” - “Poly” available
Lifters	Both	1988-92	VLA114	HYDRAULIC
32 2254cc (2.3L) DOHC, GAS, FI, KJ 1995-02 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Guides	Int.	1995-02	Bronze	Cast
			B524	C524
			B514	C514
Seals	Int.	1995-02	236434	.237x.435x1.920
	Both	1995-02	BV1883-IO	.237x.435x1.920 - O/S AVAILABLE
Seals	Int.	1995-02	236434	.236x.434 “Viton”
	Both	1995-02	BV1883-IO	.236x.433 “Viton” - “Poly” available
33 2295cc (2.3L) SOHC, GAS, FI, VIN A, FORD 1994-97 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1994-94	P2943	1.73x11/32x4.76
		1995-97	PV4488	1.73x7mmx4.78
	Exh.	1994-94	P3390	1.50x11/32x4.80
		1995-97	PV4553	1.50x7mmx4.80
Seats	Int.	1994-97	PC1812-2	1.812x.218x1.500 HI-CHROME
		1994-97	M21812-2	“ “ “ TUNGSTEN CARBIDE
	Exh.	1994-97	PC1562-1	1.562x.218x1.312 HI-CHROME
		1994-97	M21562-1	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	1994-94	Bronze	Cast
			C9206	
	Exh.	1994-94	C9846	.344x.502x2.188
		Both	1995-97	B8274 C8274
Seals	Exh.	1994-97	UVO417-GO	.275x.495x1.930 - NO SEAL PROVISION - O/S
		1994-94	32474	.343x.563 “Viton” - “Poly” available
	Both	1994-94	UVO417-GO	.342x.531 “Viton”
		1995-97	UVO902-EO	.275x.495 “Viton” - “Poly” available

MAZDA

33 2295cc (2.3L) SOHC, GAS, FI, VIN A, FORD 1994-97 (CONT.)				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Locks	Both	1994-94 1995-97	059-201-500 059-840-100	4 Round-bead 11/32 3 Round-bead 7mm	
Lifters	Both		VLA83	HYDRAULIC	
Head Bolt Sets		1994-94	PHB140-10		
34 2300cc (2.3L) DOHC, GAS, FI, VIN D, Z, H, DURATEC 2001-09				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2001-09 2001-09	P5092 P5091	1.37x5.5mmx4.07 1.17x5.5mmx4.11	
Seats	Exh.	2001-09	PC1250-62	1.250x.305x1.000 HI-CHROME	
Guides	Both	2001-09	C3070	.217x.434x1.535	
Seals	Both	2001-09	216435	.216x.435 "Viton"	
Locks	Both	2001-09	059-211-104	Top-bead 5.5mm	
Springs	Both	2001-09	050-1506	0.99Tox0.72ti* 28Lb.@1.58	
35 2488cc (2.5L) DOHC, ELECT/GAS, FI, VIN 3, 5, 6, 7, A, H, L, M, DURATEC 2009-12				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2009-12 2009-12	P5092 P5091	1.37x5.5mmx4.07 1.17x5.5mmx4.11	
Guides	Both	2009-12 2009-12	B3070 C3070	.217x.434x1.535 BRONZE " " "	
Seals	Both	2009-12	216435	.216x.435 "Viton"	
Locks	Both	2009-12	059-211-104	Top-bead 5.5mm	
36 2492cc (2.5L) SOHC, GAS, FI, VIN C, FORD 1998-01				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1998-01 1998-01	PV4488 PV4553	1.73x7mmx4.78 1.50x7mmx4.80	
Guides	Both	1998-01	C8274	.276x.495x1.930	
Seals	Both	1998-01	UVO902-EO	.275x.495 "Viton" - "Poly" available	
Locks	Both	1998-01	059-840-100	3 Round-bead 7mm	
Lifters		1998-01	VLA83	HYDRAULIC	
37 2497cc (2.5L) DOHC, GAS, FI, KL, VIN 1 1993-02				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1993-02 1993-02	PV4515 PV4516	1.26x6mmx3.69 1.08x6mmx3.74	
Guides	Both	1993-02 1993-02	B647 C647	.236x.436x1.500 BRONZE - O/S AVAILABLE " " "	
Seals	Int. Both	1993-02 1993-02	236434 BV1883-IO	.236x.434 "Viton" .236x.433 "Viton" - "Poly" available	
Lifters	Both	1993-02	VLA118	HYDRAULIC	
38 2497cc (2.5L) DOHC, GAS, FI, GY, FORD DURATEC 2000-01				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2000-01 2000-01	PV4519 PV4483	1.26x6mmx4.52 1.02x6mmx4.54	

MAZDA

38 2497cc (2.5L) DOHC, GAS, FI, GY, FORD DURATEC 2000-01 (CONT.)					4 VALVE	V6
PART	YEARS	PART NO.	NOTES			
Seats	Int.	2000-01	PC1375-55	1.375x.325x1.125	HI-CHROME	
		2000-01	M21375-55	" " "	TUNGSTEN CARBIDE	
	Exh.	2000-01	PC1125-52	1.125x.285x0.825/0.925	HI-CHROME	
Guides	Both	2000-01	C8560	.237x.495x1.880		
Seals	Both	2000-01	UVO903-EO	.236x.494	"Viton" - "Poly" available	
Locks	Both	2000-01	059-802-100	3 Round-groove 6mm		
39 2544cc (2.5L) DOHC, FORD 2000-01					4 VALVE	V6
PART	YEARS	PART NO.	NOTES			
Seats	Int.	2001-01	PC1375-55	1.375x.325x1.125	HI-CHROME	
		2001-01	M21375-55	" " "	TUNGSTEN CARBIDE	
	Exh.	2000-01	PC1125-52	1.125x.285x0.825/0.925	HI-CHROME	
Guides	Both	2000-01	C683	.236x.495x1.890		
Locks	Both	2000-01	059-802-100	3 Round-groove 6mm		
40 2555cc (2.6L) SOHC, GAS, CARB, CE26 MITSUBISHI 1987-88					3 VALVE	L4
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1987-88	P3342	1.81x8mmx4.25		
	Exh.	1987-88	P3377	1.49x8mmx4.17		
Seats	Int.	1987-88	PC1875-51	1.875x.317x1.575/1.692	HI-CHROME	
		1987-88	M21875-51	" " "	TUNGSTEN CARBIDE	
	Exh.	1987-88	PC1625-56	1.625x.317x1.298/1.382	HI-CHROME	
		1987-88	M21625-56	" " "	TUNGSTEN CARBIDE	
Guides	Int.	1987-88	B290	.315x.516x1.850	BRONZE - O/S AVAILABLE	
		1987-88	C7574	.315x.514x1.848	- O/S AVAILABLE	
	Exh.	1987-88	B291	.315x.516x2.050	BRONZE - O/S AVAILABLE	
		1987-88	C7575	.315x.514x2.046		
Seals	Both	1987-88	59553	.315x.512	"Viton"	
		1987-88	32474	.342x.531	"Viton"	
Locks	Both	1987-88	059-716-200	Top-bead 8mm		
Springs	Both	1987-88	051-289	1.330dx0.94id* 70Lb.@1.60		
Retainers	Both	1987-88	VSR26MI	1.250x0.930x0.67		
Lifters	Both	1987-88	VLA112	HYDRAULIC		
Dowel Pins	Both	1987-88	DP471	.471x.402x.313		
Head Bolt Sets		1987-88	PHB156-10			
41 2606cc (2.6L) SOHC, GAS, FI, G6 1989-93					3 VALVE	L4
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1989-93	P3859	1.31x7mmx4.43		
	Exh.	1989-93	P3860	1.41x7mmx4.48		
Seats	Int.	1989-93	PC1437-74	1.437x.230x1.162	HI-CHROME	
	Exh.	1989-93	PC1500-80	1.500x.230x1.250	HI-CHROME	
Guides	Both	1989-93	B544	.276x.476x2.090	BRONZE - O/S AVAILABLE	
		1989-93	C544	" " "	- O/S AVAILABLE	
Retainers	Both	1989-93	VSR26MA	1.250x0.95x0.695		
Lifters	Both	1989-93	VLA114	HYDRAULIC		
Dowel Pin	Both	1989-93	DP393	.393x.320x.313		
Cyl. Head		1989-93	CHMZ26	ALUM/HEAD		

MAZDA

42 2606cc (2.6L) SOHC, GAS, FI, G60 1989-94 3 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1989-94	P3859	1.31x7mmx4.43
	Exh.	1989-94	P3860	1.41x7mmx4.48
Seats	Int.	1989-94	PC1437-74	1.437x.230x1.162 HI-CHROME
	Exh.	1989-94	PC1500-80	1.500x.230x1.250 HI-CHROME
Guides	Both	1989-94	B544	.276x.476x2.090 BRONZE - O/S AVAILABLE
		1989-94	C544	“ “ “ - O/S AVAILABLE
Seals	Both	1989-94	BV2849-EO	.275x.472 “Viton” - “Poly” available
Retainers	Both	1989-94	VSR26MA	1.250x0.95x0.695
Lifters	Both	1989-94	VLA114	HYDRAULIC
Dowel Pins	Both	1989-94	DP393	.393x.320x.313
Cyl. Head		1989-94	CHMZ26	ALUM/HEAD
43 2954cc (3.0L) SOHC, GAS, FI, CE30, JE30, JE39 1988-98 3 VALVE V6				
PART		YEARS	PART NO.	NOTES
Seats	Int.	1988-98	PC1437-66	1.437x.300x1.120 HI-CHROME
	Exh.	1988-98	PC1625-62	1.625x.300x1.320 HI-CHROME
		1988-98	M21625-62	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	1988-98	Bronze Cast	
		1988-98	B557 C557	.276x.474x1.964 - O/S AVAILABLE
	Exh.	1988-98	B516 C516	.276x.475x2.360
		1988-98	B501 C501	.318x.553x2.360
Seals	Int.	1988-98	BV2849-EO	.275x.472 “Viton” - “Poly” available
	Exh.	1988-98	UVO702-EO	.315x.551 “Viton”
Locks	Exh.	1988-98	059-213-100	Center-bead 8mm
Lifters	Both	1988-98	VLA114	HYDRAULIC
44 2954cc (3.0L) DOHC, GAS, FI, JE27, JE48, JE74 1990-95 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Seats	Int.	1990-95	PC1437-75	1.437x.260x1.175 HI-CHROME
	Exh.	1990-95	PC1312-57	1.312x.280x1.060 HI-CHROME
Guides	Int.	1990-95	Bronze Cast	
		1990-95	B534 C534	.236x.435x1.910
	Exh.	1990-95	B512 C512	.237x.435x2.200
Seals	Int.	1993-95	236434	.236x.434 “Viton”
	Both	1990-91	BV2849-EO	.275x.472 “Viton” - “Poly”
		1992-92	BV1883-IO	.236x.433 “Viton” - “Poly” available
45 2954cc (3.0L) OHV, FLEX, GAS, FI, VIN U, V, FORD VULCAN 1994-07 2 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1994-99	P3485	1.66x8mmx4.61
		2000-07	PV4598	1.66x7mmx4.63
	Exh.	1994-99	P3484	1.37x8mmx4.61
		2000-07	PV4599	1.37x7mmx4.61
Seats	Int.	1994-07	PC1750-2	1.750x.218x1.500 HI-CHROME
	Exh.	1994-07	M21750-2	“ “ “ TUNGSTEN CARBIDE
		1994-07	PC1437-3N	1.437x.218x1.187 HI-NICKEL
Guides	Both	1994-99	C9204	.315x.439x2.200
		2000-07	C3048	.277x.474x2.500
Seals	Both	1994-99	315530	.315x.530 “Viton”
		2000-07	276530	.276x.530 “Viton”

MAZDA

45 2954cc (3.0L) OHV, FLEX, GAS, FI, VIN U, V, FORD VULCAN 1994-07 (CONT.) 2 VALVE V6				
PART		YEARS	PART NO.	NOTES
Locks	Both	1994-99 2000-07	059-199-500 059-840-100	3 Round-bead 8mm 3 Round-bead 7mm
Springs	Both	1994-99 2000-07	051-258 050-1437	1.28odx0.93id* 65lb.@1.57 1.29odx0.93id* 68Lb.@1.60
Lifters	Both	1994-07	VHRL-373	HYDRAULIC
Pushrods	Both	1994-96	11A120	5.364x5/16
Head Bolt Sets	Both	1994-98	PHB183-16	BOLT KIT
46 2954cc (3.0L) DOHC, GAS, FLEX, FI, VIN 1, G, AJ, DURATEC 2001-11 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	2001-11 2001-11	PV4565 PV4556	1.37x6mmx4.51 1.18x6mmx4.54
Seats	Exh.	2001-11	PC1250-56	1.250x.230x0.905/1.005 HI-CHROME
Guides	Both	2001-11 2001-11 2001-11	B683 C683 C8560	.236x.495x1.890 BRONZE - O/S AVAILABLE “ “ “ .237x.495x1.880
Seals	Both	2001-11	UVO903-EO	.236x.494 “Viton” - “Poly” available
Locks	Both	2001-11	059-802-100	3 Round-groove 6mm
47 3496cc (3.5L) 3726cc (3.7) DOHC, GAS, FI, A, B, V, FORD DURATEC 2007-12 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	2007-12 2007-12	P5272 P5273	1.45x5.5mmx3.84 1.22x5.5mmx3.75
Seals	Both	2007-12	216425	.216x.425 “Viton”
Locks	Both	2007-12	059-211-104	Top-bead 5.5mm
48 4016cc (4.0L) OHV, GAS, FI, VIN X, VGE4 FORD 1991-00 2 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1991-00 1991-00	PV2606 PV3918	1.71x8mmx4.09 1.36x8mmx4.09
Seats	Int. Exh.	1991-00 1991-00 1991-00 1991-00 1991-00 1991-00	PC1812-4 M21812-4 PC1875-19 M21875-19 PC1437-2 M21437-2	1.812x.218x1.562 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.875x.218x1.562 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.437x.218x1.218 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Both	1991-00 1991-00	Bronze Cast B7198 C7198 C9198	.317x.502x2.00 .317x.502x2.00
Seals	Both	1991-00	12015512	.315x.472 “Viton”
Locks	Int. Exh.	1991-00 1991-00	059-614-200 059-817-100	Single-groove 8mm 3 Round-bead 8mm
Springs	Both	1991-00	051-684	1.35odx1.01id* 60Lb.@1.73
Pushrods	Both	1991-00	18A007	5.480x5/16
Head Bolt Sets		1991-00	PHB177-16	BOLT KIT

MAZDA

49 4016cc (4.0L) SOHC, GAS, FI, VIN E, FORD 2001-08				2 VALVE V6
PART		YEARS	PART NO.	NOTES
Valves	Int.	2001-08	PV4585	1.81x7mmx4.52
	Exh.	2001-08	PV4586	1.53x7mmx4.52
Seats	Int.	2001-08	PC1812-4	1.812x.218x1.562 HI-CHROME
		2001-08	M21812-4	“ “ “ TUNGSTEN CARBIDE
	Exh.	2001-08	PC1625-54	1.625x.280x1.329 HI-CHROME
Guides	Both	2001-08	C8663	.276x.472x1.740
Seals	Both	2001-08	276472	.276x.472 “Viton”
Locks	Both	2001-08	059-840-100	3 Round-bead 7mm
Springs	Both	2001-08	052-302	1.160dx0.83id* 25Lb.@1.58
50 MICELLANEOUS				
PART		YEARS	PART NO.	NOTES
Guides			C128	.354x.553x2.125
Dowel Pins	Both		DP591	.591x.518x.400



2003 Mazda B2300 (2.3L) DOHC, 4 VALVE L4

MERCEDES BENZ

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32	ALL MERCEDES BENZ VALVE GUIDES IN ORDER BY SIZE <<<<<<<<		

MERCEDES BENZ

1 600cc (1.0L) DOHC, SMART CAR (MITSUBISHI) 2008-13 4 VALVE L3				
PART		YEARS	PART NO.	NOTES
Guides	Both	2008-13 2008-13	B2059 C2059	.197x.416x1.360 BRONZE “ “ “
Seals	Both	2008-13	197310	.197x.310 “M/C”
2 1988cc (2.0L) SOHC, DIESEL, 180DC, 190DC 1961-65 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides			Bronze Cast	
	Int.	1961-65	B256N C256N	.393x.552x2.400 - O/S AVAILABLE
	Exh.	1961-65	B257N C257N	.393x.552x1.950 - O/S AVAILABLE
Seals	Both	1961-65	12015725	.393x.551 “Poly”
3 2195cc (2.2L) SOHC 1959-66 2 VALVE L6				
PART		YEARS	PART NO.	NOTES
Guides	Int.	1959-66	B262	.354x.552x2.580 BRONZE - O/S AVAILABLE
	Exh.	1959-66	B261	.393x.552x2.240 BRONZE - O/S AVAILABLE
4 2197cc (2.2L) SOHC, DIESEL, 220D 1967-73 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Exh.	1967-73	T2696	1.30x10mmx5.15
Guides			Bronze Cast	
	Int.	1967-73	B256N C256N	.393x.552x2.400 - O/S AVAILABLE
	Exh.	1967-73	B257N C257N	.393x.552x1.950 - O/S AVAILABLE
Seals	Both	1967-73	12015725	.393x.551 “Poly”
5 2197cc (2.2L) SOHC, DIESEL, 190D 1984-85 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Int.	1984-85	B353-1	.315x.552x1.655 BRONZE - O/S AVAILABLE
	Exh.	1984-85	B354+1	.354x.554x1.890 BRONZE - O/S AVAILABLE
Seals	Int.	1984-85	12015876	.315x.472 “Viton”
		1984-85	314472	.314x.472 “Viton” “M/C”
	Exh.	1984-85	12012438	.354x.472 “Viton”
6 2199cc (2.2L) DOHC, C220 1994-96 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	1994-96 1994-96	B660 C660	.275x.494x1.480 BRONZE - O/S AVAILABLE “ “ “
Seals	Both	1994-96	12015153	.276x.386 “Viton”
7 2295cc (2.3L) DOHC, C230 + SLK 230, COMPRESSOR 1997-UP 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides			Bronze Cast	
	Both	1997-99	B660 C660	.275x.494x1.480 - BRONZE - O/S AVAILABLE
		2000-UP	B669	.275x.494x1.600
		2000-UP	C700	.275x.494x1.580
Seals	Both	1997-UP	12015153	.276x.386 “Viton”

MERCEDES BENZ

8 2299cc (2.3L) SOHC, 190E 1984-93				2 VALVE L4
PART	YEARS	PART NO.	NOTES	
Guides	Int.	1984-93	B344	.314x.553x1.820 BRONZE - O/S AVAILABLE
	Exh.	1984-93	B345	.354x.553x2.012 BRONZE - O/S AVAILABLE
Seals	Int.	1984-93	12015876	.315x.472 "Viton"
		1984-93	314472	.314x.472 "Viton"
	Exh.	1984-93	12012438	.354x.472 "Viton"
9 2399cc/2404cc (2.4L) SOHC, DIESEL , 240D 1974-83				2 VALVE L4
PART	YEARS	PART NO.	NOTES	
Guides		Bronze Cast		
	Int.	1974-83	B256N C256N	.393x.552x2.400 - O/S AVAILABLE
	Exh.	1974-83	B257N C257N	.393x.552x1.950 - O/S AVAILABLE
Seals	Both	1974-83	12015725	.393x.551 "Poly"
10 2497cc (2.5L) SOHC, DIESEL , 190D, TD, 300TD 1986-93				2 VALVE L5
PART	YEARS	PART NO.	NOTES	
Guides	Int.	1986-93	B353-1	.315x.552x1.655 BRONZE - O/S AVAILABLE
		1986-93	B621	.315x.553x1.560 BRONZE - O/S AVAILABLE
	Exh.	1986-93	B354-1	.354x.552x1.890 BRONZE - O/S AVAILABLE
		1986-93	B622	.354x.553x1.465 BRONZE - O/S AVAILABLE
Seals	Int.	1986-93	12015876	.315x.472 "Viton"
		1986-93	314472	.314x.472 "Viton"
	Exh.	1986-93	12012438	.354x.472 "Viton"
11 2599cc (2.6L) SOHC, 190E, 260E, 300E 1987-93				2 VALVE L6
PART	YEARS	PART NO.	NOTES	
Guides	Int.	1987-93	B353-1	.315x.552x1.655 BRONZE - O/S AVAILABLE
	Exh.	1987-93	B354-1	.354x.552x1.890 BRONZE - O/S AVAILABLE
		1987-93	B453	.354x.559x1.890 BRONZE - O/S AVAILABLE
Seals	Int.	1987-93	12015876	.315x.472 "Viton"
		1987-93	314472	.314x.472 "Viton"
	Exh.	1987-93	12012438	.354x.472 "Viton"
12 2746cc, 167.5 C.I. (2.8L) DOHC, GAS, CARB, FI, 280, C, E, CE, SE 1972-81				2 VALVE L6
PART	YEARS	PART NO.	NOTES	
Seals	Exh.	1977-80	PC1625-64	1.625x.420x1.335/1.387 HI-CHROME
		1977-80	M21625-64	" " " TUNGSTEN CARBIDE
Guides	Int.	1972-76	B293	.354x.552x2.025 BRONZE - O/S AVAILABLE
		1977-81	B564+1	.354x.553x2.030 BRONZE - O/S AVAILABLE
		1973-80	B246N	.354x.552x2.154 BRONZE - O/S AVAILABLE
	Exh.	1972-76	B294	.433x.592x2.125 BRONZE - O/S AVAILABLE
		1977-81 LATE	B337	.354x.591x2.130 BRONZE - O/S AVAILABLE
		1977-81	B248NN	.433x.591x1.772 BRONZE - O/S AVAILABLE
		1977-81 LATE	B590+1	.354x.592x2.130 BRONZE - O/S AVAILABLE
Seals	Int.	1973-81	12012438	.354x.472 "Viton" (LATE Exh.)
	Exh.	1973-81	12015877	.433x.511 "Viton"
13 2799cc (2.8L) DOHC, 280C 1994-97				4 VALVE L6
PART	YEARS	PART NO.	NOTES	
Guides	Both	1994-97	B660	.275x.494x1.480 BRONZE - O/S AVAILABLE
		1994-97	C660	" " "
Seals	Both	1994-97	12015153	.276x.386 "Viton"

MERCEDES BENZ

14 2962cc (3.0L) DOHC, 300CE, SL 1990-93				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Guides	Int.	1990-93	B638+1	.314x.533x1.496 BRONZE	
		1990-93	B613	.315x.532x1.490 BRONZE - O/S AVAILABLE	
	Exh.	1990-93	B616	.354x.532x1.490 BRONZE - O/S AVAILABLE	
Seals	Int.	1990-93	12015876	.315x.472 "Viton"	
		1990-93	314472	.314x.472 "Viton"	
15 2962cc (3.0L) SOHC, 300E, SE, CE, SEL, TE 1986-93				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Guides	Int.	1986-93	B353-1	.315x.552x1.655 BRONZE - O/S AVAILABLE	
	Exh.	1986-93	B354-1	.354x.552x1.890 BRONZE - O/S AVAILABLE	
Seals	Int.	1986-93	12015876	.315x.472 "Viton"	
		1986-93	314472	.314x.472 "Viton"	
	Exh.	1986-93	12012438	.354x.472 "Viton"	
16 2995cc (3.0L) SOHC, 300SL, (GULL WING) 1955-61				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Guides	Int.	1955-61	B2006	.354x.552x2.590 BRONZE - O/S AVAILABLE	
	Exh.	1955-61	B2007	.472x.670x2.750 BRONZE - O/S AVAILABLE	
17 2996cc (3.0L) SOHC, 300D, TD, SDL, DIESEL, TURBO 1986-87				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Guides	Int.	1986-87	B353-1	.315x.552x1.655 BRONZE - O/S AVAILABLE	
		1986-87	B621	.315x.553x1.560 BRONZE - O/S AVAILABLE	
	Exh.	1986-87	B354-1	.354x.552x1.890 BRONZE - O/S AVAILABLE	
		1986-87	B622	.354x.553x1.465 BRONZE - O/S AVAILABLE	
Seals	Int.	1986-87	12015512	.315x.472 "Viton"	
		1986-87	12015876	.315x.472 "Viton"	
	Exh.	1986-87	12012438	.354x.472 "Viton"	
18 2998cc, 3005cc (3.0L) SOHC, TURBO-DIESEL , 300CD, D, SD, TD, 3005CC 1975-85				2 VALVE	L5
PART	YEARS	PART NO.	NOTES		
Guides		Bronze Cast			
	Int.	1975-85	B256N C256N	.393x.552x2.400 - O/S AVAILABLE	
	Exh.	1975-85	B257N C257N	.393x.552x1.950 - O/S AVAILABLE	
Seals	Both	1975-85	12015725	.393x.551 "Poly"	
19 3199cc (3.2L) DOHC, 320CKL, E, S, SL 1994-99				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Guides		Bronze Cast			
	Both	1994-99	B660 C660	.275x.494x1.480 - BRONZE O/S AVAILABLE	
		EARLY	B663 C663	.275x.494x1.970 - BRONZE O/S AVAILABLE	
Seals	Both	1994-99	12015153	.276x.386 "Viton"	
		1994-99	275393	.275x.393	
20 3449cc, SOHC, 300SD, 350SD, SDL, TURBO DIESEL 1990-93				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Guides	Int.	1990-93	B353-1	.315x.554x1.655 BRONZE - O/S AVAILABLE	
		1990-93	B621	.315x.553x1.560 BRONZE - O/S AVAILABLE	
	Exh.	1990-93	B354-1	.354x.552x1.890 BRONZE - O/S AVAILABLE	
		1990-93	B622	.354x.553x1.465 BRONZE - O/S AVAILABLE	
Seals	Int.	1990-93	12015876	.315x.472 "Viton"	
		1990-93	314472	.314x.472 "Viton"	

MERCEDES BENZ

20	3449cc, SOHC, 300SD, 350SD, SDL, TURBO DIESEL 1990-93 (CONT.)			2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Seals	Exh.	1990-93	12012438	.354x.472 "Viton"	
21	3498cc (3.5L) DOHC 2005-11			4 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Guides	Int.	2005-11	B621	.315x.553x1.560 BRONZE - O/S AVAILABLE	
	Exh.	2005-11	B622	.354x.553x1.465 BRONZE - O/S AVAILABLE	
		2005-11	C622	" " "	
Seats	Int.	2005-11	12015512	.315x.472 "Viton"	
	Exh.	2005-11	12012438	.354x.472 "Viton"	
22	3504cc 213 C.I. (3.5L) SOHC, GAS, FI, 280SEL, 300SEL 1969-71			2 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1969-71	PC1812-60	1.812x.450x1.590/1.622 HI-CHROME	
	Exh.	1969-71	PC1625-64	1.625x.420x1.335/1.387 HI-CHROME	
		1969-71	M21625-64	" " " TUNGSTEN CARBIDE	
Guides	Int.	1970-71	B272	.354x.552x1.868 BRONZE - O/S AVAILABLE	
	Exh.	1970-71	B273	.433x.592x1.925 BRONZE - O/S AVAILABLE	
Seals	Int.	1970-71	12012438	.354x.472 "Viton"	
	Exh.	1970-71	12015877	.433x.511 "Viton"	
23	3839cc 234 C.I. (3.8L) SOHC, GAS, FI, 380SE, SEL, SEC, SL, SLC 1981-85			2 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1981-85	PC1812-60	1.812x.450x1.590/1.622 HI-CHROME	
	Exh.	1981-85	PC1625-64	1.625x.420x1.335/1.387 HI-CHROME	
		1981-85	M21625-64	" " " TUNGSTEN CARBIDE	
Guides	Int.	1981-85	B594+1	.354x.553x1.870 BRONZE - O/S AVAILABLE	
	Exh.	1981-85	B318	.354x.591x1.990 BRONZE - O/S AVAILABLE	
		1981-85	B595+1	.354x.592x1.990 BRONZE - O/S AVAILABLE	
Seals	Both	1981-85	12012438	.354x.472 "Viton"	
24	4196cc (4.2L) DOHC, 400E, SE, SEL 1992-93			4 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Guides	Int.	1992-93	B614	.275x.532x1.400 BRONZE - O/S AVAILABLE	
	Exh.	1992-93	B639+1	.275x.533x1.596 BRONZE	
Seals	Both	1992-93	12015153	.276x.386 "Viton"	
25	4196cc (4.2L) SOHC, 420SEL 1986-91			2 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Guides	Int.	1986-91	B594+1	.354x.553x1.870 BRONZE - O/S AVAILABLE	
	Exh.	1986-91	B318	.354x.591x1.990 BRONZE - O/S AVAILABLE	
		1986-91	B595+1	.354x.592x1.990 BRONZE - O/S AVAILABLE	
Seals	Both	1986-91	12012438	.354x.472 "Viton"	
26	4520cc (4.5L) SOHC, GAS, FI, 280SE, SEL, 300SEL, 350SL, 450SE, SEL, SL, SLC 1972-80			2 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1972-80	PC1812-60	1.812x.450x1.590/1.622 HI-CHROME	
	Exh.	1972-80	PC1625-64	1.625x.420x1.335/1.387 HI-CHROME	
		1972-80	M21625-64	" " " TUNGSTEN CARBIDE	
Guides	Int.	1972-80	B272	.354x.552x1.868 BRONZE - O/S AVAILABLE	
	Exh.	1972-80	B273	.433x.592x1.925 BRONZE - O/S AVAILABLE	

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26 4520cc (4.5L) SOHC, GAS, FI, 280SE, SEL, 300SEL, 350SL, 450SE, SEL, SL, SLC 1972-80 (CONT) 2 VALVE V8

PART	YEARS	PART NO.	NOTES
Seals Int.	1972-80	12012438	.354x.472 "Viton" 9mm
Exh.	1972-80	12015877	.433x.511 "Viton" 11mm

27 4973cc (5.0L) DOHC, 500E, SEL 1992-93 4 VALVE V8

PART	YEARS	PART NO.	NOTES
Guides Int.	1992-93	B614	.275x.532x1.400 BRONZE - O/S AVAILABLE
Exh.	1992-93	B639+1	.275x.533x1.596 BRONZE
Seals Both	1992-93	12015153	.276x.386 "Viton"

28 4973cc (5.0L) SOHC, 500 SEC, SEL 1984-85 2 VALVE V8

PART	YEARS	PART NO.	NOTES
Guides Int.	1984-85	B594+1	.354x.553x1.870 BRONZE - O/S AVAILABLE
Exh.	1984-85	B318	.354x.591x1.990 BRONZE - O/S AVAILABLE
	1984-85	B595+1	.354x.592x1.990 BRONZE - O/S AVAILABLE
Seals Both	1984-85	12012438	.354x.472 "Viton"

29 4973cc (5.0L) DOHC, 500SL 1990-93 4 VALVE V8

PART	YEARS	PART NO.	NOTES
Guides Int.	1990-93	B614	.275x.532x1.400 BRONZE - 7mm - O/S AVAILABLE
	1990-93	B638+1	.314x.533x1.496 BRONZE - 8mm
Exh.	1990-93	B639+1	.275x.533x1.596 BRONZE - 7mm
	1990-93	B616	.354x.532x1.490 BRONZE - 9mm - O/S AVAILABLE
Seals Int.	1990-93	12015876	.315x.472 "Viton" - 8mm
	1990-93	314472	.314x.472 "Viton" - 8mm
Exh.	1990-93	12012438	.354x.472 "Viton" - 9mm
Both	1990-93	12015153	.276x.386 "Viton" - 7mm

30 5547cc (5.6L) SOHC, 560SEC, SEL, SL 1986-91 2 VALVE V8

PART	YEARS	PART NO.	NOTES
Guides Int.	1986-91	B594+1	.354x.553x1.870 BRONZE - O/S AVAILABLE
Exh.	1986-91	B318	.354x.591x1.990 BRONZE - O/S AVAILABLE
	1986-91	B595+1	.354x.592x1.990 BRONZE - O/S AVAILABLE
Seals Both	1986-91	12012438	.354x.472 "Viton"
	1986-91	354472	.354x.472 "Viton"

31 5657cc, 345 C.I. (5.7L) DIRECT INJ. DSL "OM352" UNIMOG, U1100, U1300, 353, 961 HEAVY DUTY L6

PART	OE#	PART NO.	NOTES
Valves Int.	3660500326	P5106	1.65x9mmx5.53
Exh.	3660500227	P5107	1.41x10mmx5.53
Guides Int.	STD: 3520531229	C3071B	.350x.592x2.840
		C729	.350x.592x2.840
Exh.	STD: A3060530230	C3072B	.390x.592x2.640
		C730	.390x.592x2.640



MERCEDES BENZ

32 ALL MERCEDES BENZ VALVE GUIDES IN ORDER BY SIZE <<<<<<<<

PART		OE#/SIZE	PART NO.	NOTES
Guides	Both	5MM	B2059 C2059	.197x.416x1.360 BRONZE
	-	5.5MM	B660-MOD	.215x.484x1.480 BRONZE
	-	6MM	B693	.233x.494x1.473 BRONZE - O/S AVAILABLE
	Both	7MM	B660 C660	.275x.494x1.480 BRONZE - O/S AVAILABLE
	Both	"	C700	.275x.494x1.580
	Both	"	B669	.275x.494x1.600 BRONZE
	Both	"	B663 C663	.275x.494x1.970 BRONZE - O/S AVAILABLE
	-	"	B631	.275x.494x1.975 BRONZE
	-	"	B693-7MM+21	.275x.515x1.473 BRONZE
	-	"	B620+2	.275x.521x1.480 BRONZE
	Int.	"	B614	.275x.532x1.400 BRONZE - O/S AVAILABLE
	Exh.	"	B639+1	.275x.533x1.596 BRONZE
	-	"	B517	.276x.514x1.800 BRONZE
	Int.	8MM	B638+1	.314x.533x1.496 BRONZE
	-	A906-053-0529	C906	.314x.552x2.365 - HEAVY DUTY TRUCK
	Int.	"	B344	.314x.553x1.820 BRONZE - O/S AVAILABLE
	-	"	B523	.315x.514x1.687 BRONZE
	-	"	B617	.315x.532x1.400 BRONZE - O/S AVAILABLE
	Int.	"	B613	.315x.532x1.490 BRONZE - O/S AVAILABLE
	Int.	"	B621	.315x.553x1.560 BRONZE - O/S AVAILABLE
	Int.	"	B353	.315x.553x1.655 BRONZE - O/S AVAILABLE
	Int.	9MM	C3071B	.350x.592x2.840
	Int.	"	C729	.350x.592x2.840
	Exh.	"	B616	.354x.532x1.490 BRONZE - O/S AVAILABLE
	Int.	"	B272	.354x.552x1.868 BRONZE - O/S AVAILABLE
	Int.	"	B293	.354x.552x2.025 BRONZE - O/S AVAILABLE
	Int.	"	B246N	.354x.552x2.154 BRONZE - O/S AVAILABLE
	Int.	"	B262	.354x.552x2.580 BRONZE - O/S AVAILABLE
	Int.	"	B2006	.354x.552x2.590 BRONZE - O/S AVAILABLE
	Exh.	"	B622 C622	.354x.553x1.465 BRONZE - O/S AVAILABLE
	Int.	"	B594+1	.354x.553x1.870 BRONZE - O/S AVAILABLE
	Exh.	"	B354	.354x.553x1.890 BRONZE - O/S AVAILABLE
	Exh.	"	B345	.354x.553x2.012 BRONZE - O/S AVAILABLE
	Int.	"	B564+1	.354x.553x2.030 BRONZE - O/S AVAILABLE
	-	"	B260	.354x.553x2.635 BRONZE - O/S AVAILABLE
	-	"	B284	.354x.554x2.200 BRONZE - O/S AVAILABLE
	-	"	B285	.354x.554x2.340 BRONZE
	Exh.	"	B453	.354x.559x1.890 BRONZE
	Exh.	"	B318	.354x.591x1.990 BRONZE - O/S AVAILABLE
	Exh.	"	B337	.354x.591x2.130 BRONZE - O/S AVAILABLE
	Exh.	"	B595+1	.354x.592x1.990 BRONZE - O/S AVAILABLE
	Exh.	"	B590+1	.354x.592x2.130 BRONZE - O/S AVAILABLE
	Exh.	10MM	C3072B	.390x.592x2.640
	Exh.	"	C730	.390x.592x2.640
	-	"	B247	.393x.552x1.895 BRONZE - O/S AVAILABLE
	Exh.	"	B257N C257N	.393x.552x1.950 BRONZE - O/S AVAILABLE
	Exh.	"	B261	.393x.552x2.240 BRONZE - O/S AVAILABLE
	Int.	"	B256N C256N	.393x.552x2.400 BRONZE - O/S AVAILABLE
	-	"	B615	.393x.592x1.863 BRONZE
	-	"	B249	.393x.592x1.890 BRONZE
	Exh.	11MM	B248NN	.433x.591x1.772 BRONZE - O/S AVAILABLE
	Exh.	"	B273	.433x.592x1.925 BRONZE - O/S AVAILABLE
	Exh.	"	B294	.433x.592x2.125 BRONZE - O/S AVAILABLE
	-	"	B522+8	.433x.599x2.380 BRONZE
	Exh.	12MM	B2007	.472x.670x2.750 BRONZE

MINI COOPER

1 1600cc, (1.6L) SOHC, GAS, FI, W10B16A(NON-TURBO), W11B16A, SUPERCHARGED 2002-08 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	2002-08	P5084HP	1.21x6mmx4.306 - 0.5mm OS HEAD
		2002-08	P5084SHP	1.19x6mmx4.315
		2001-08	P5310	1.19x6mmx4.30
	Exh.	2002-08	P5085HP	0.970x6mmx4.653 - 0.5mm OS HEAD
		2002-08	P5085SHP	0.91x6mmx4.663
		2002-08	P5311	0.91x6mmx4.64
Guides	Int.	2002-08	Bronze Cast	
			B2057	.235x.436x1.645 6mm
	Exh.	2002-08	B2058	.235x.436x1.640 6mm
	Both	2002-06	B681 C681	.234x.436x1.730 6mm
		2002-08	C8556	.235x.436x1.735 - O/S AVAILABLE 6mm
Seals	Both	2002-08	UVO865-GO	.236x.435 "Viton" - "Poly" AVAILABLE 6mm
Locks	Both	2002-08	059-886-600	3 Round-bead 6mm
Retainers		2002-08	VSR1029-MINI-T	1.029x0.665 - TITANIUM (FITS STOCK SPRING)
2 1600cc, (1.6L) DOHC, N12B16A, N16B16A(NON-TURBO), N14B16A/C, N18B16A/C(TURBO) 2007-14 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	2007-14	P5306	1.18x5mmx3.819 - NON TURBO
		2007-12	P5308	1.13x5mmx4.161 - TURBO
		2011-14	P5312	1.16x5mmx_ - TURBO
	Exh.	2007-14	P5307	0.98x5mmx4.346 - NON TURBO
		2007-14	P5309	1.02x5mmx4.335 TURBO
Guides	Int.	2007-14	B2063I	.196x.356x1.620 BRONZE
	Exh.	2007-14	B2063	.196x.355x1.750 BRONZE
Seals	Both	2007-14	196355	.196x.355 "Viton"



1993 Mercedes Benz 300E (2.8L) DOHC, 4 VALVE L6

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4	1468cc (1.5L) SOHC, GAS, FI, VIN X, 4G15, VIN J, G4DJ 1989-94	2 VALVE	L4
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7	1597cc (1.6L) SOHC, GAS, FI, VIN F, G32B TURBO 1985-88	2 VALVE	L4
8	1755cc (1.8L) SOHC, GAS, FI, VIN B, T, 4G37 1990-94	2 VALVE	L4
9	1795cc (1.8L) SOHC, GAS, CARB, VIN 4, G62B 1983-83	2 VALVE	L4
10	1795cc (1.8L) SOHC, GAS, FI, VIN G, G62B TURBO 1984-88	2 VALVE	L4
11	1834cc (1.8L) SOHC, GAS, FI, VIN C, D, 4G93 1992-02	4 VALVE	L4
12	1997cc (2.0L) SOHC, GAS, CARB, VIN 5, D, G63B 1983-89	2 VALVE	L4
13	122 C.I. (2.0L) 4G52 - INDUST.	2 VALVE	L4
14	122 C.I. (2.0L) 4G63 - INDUST.	2 VALVE	L4
15	1997cc (2.0L) SOHC, GAS, FI, VIN V, 4G63 1989-92	2 VALVE	L4
16	1997cc (2.0L) DOHC, GAS, FI, VIN E, R, 4G63 / VIN F, U, TURBO 1989-99	4 VALVE	L4
17	1997cc (2.0L) DOHC, GAS, FI, VIN Y, 420A “ CHRYSLER ” 1995-99	4 VALVE	L4
18	1997cc (2.0L) DOHC, GAS, FI, VIN C, D, 4G63 TURBO 2003-06	4 VALVE	L4
19	1998cc (2.0L) DOHC, GAS, FI, VIN U, W, 4B12, 4B11 2008-12	4 VALVE	L4
20	1999cc (2.0L) SOHC, GAS, FI, VIN E, 4G94 2002-07	4 VALVE	L4
21	2346cc (2.3L) SOHC, DIESEL , FI, VIN 9, J, 4D55 1983-85	2 VALVE	L4
22	143 C.I. (2.4L) 4G64 - INDUST.		L4
23	2351cc (2.4L) SOHC, GAS, FI, VIN L, G64B 1985-88	3 VALVE	L4
24	2351cc (2.4L) DOHC, GAS, FI, 4G64 1994-95	4 VALVE	L4
25	2351cc (2.4L) SOHC, GAS, FI, VIN G, W, 4G64 1989-94	2 VALVE	L4
26	2351cc (2.4L) SOHC, GAS, FI, VIN G, 4G64 1993-05	4 VALVE	L4
27	2378cc (2.4L) SOHC, GAS, FI, VIN F, 4G69 2005-12	4 VALVE	L4
28	2555cc (2.6L) SOHC, GAS, CARB, VIN 7, E, G54B 1983-89	2 VALVE	L4
29	156 C.I. (2.6L) 4G54 - INDUST.	2 VALVE	L4
30	2555cc (2.6L) SOHC, GAS, FI, VIN H, N, G54B TURBO 1986-89	2 VALVE	L4
31	2972cc (3.0L) SOHC, GAS, FI, VIN H, S, 6G72 1988-99	2 VALVE	V6
32	181 C.I. (3.0L) 6G72 FORKLIFT - INDUST.	2 VALVE	V6
33	2972cc (3.0L) DOHC, GAS, FI, VIN B, J, 6G72, VIN C, K, TURBO 1991-99	4 VALVE	V6

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34	2972cc (3.0L) SOHC, GAS, FI, VIN F, H, L, P, 6G72 1995-05	4 VALVE V6
35	2998cc (3.0L) SOHC, 6B31, VIN X 2007-11	4 VALVE V6
36	203cc (3.3L) 305cc (5.0L) MITSUBISHI S4S, S6S FORKLIFT - INDUST	L4
37	3497cc (3.5L) DOHC, GAS, FI, VIN M, 6G74 1994-96	4 VALVE V6
38	3497cc (3.5L) SOHC, GAS, FI, VIN P, R, 6G74 1997-04	4 VALVE V6
39	3701cc (3.7L) SOHC, VIN K, CHRYSLER 2006-09	2 VALVE V6
40	3828cc (3.8L) SOHC, GAS, FI, VIN S, T, 6G75 2003-11	4 VALVE V6
41	4701cc (4.7L) SOHC, GAS, FI, VIN N, CHRYSLER 2006-07	2 VALVE V8
42	MICELLANEOUS - VALVE GUIDES	

1	600cc (1.0L) DOHC, SMART CAR (MERCEDES BENZ) 2008-13			4 VALVE	L3
	PART	YEARS	PART NO.	NOTES	
	Guides Both	2008-13 2008-13	B2059 C2059	.197x.416x1.360 BRONZE “ “ “	
	Seals Both	2008-13	197315	.197x.315 “M/C”	
2	88 C.I. (1.5L) 4G33 FORKLIFT , 4G32 - INDUST.			2 VALVE	L4
	PART	OE#	PART NO.	NOTES	
	Seats Int.		PC1562-50 M21562-50	1.562x.280x1.260/1.412 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1375-51	1.375x.280x1.060/1.150 HI-CHROME	
	Guides Int.	MD000461	Bronze B280	.315x.516x1.735 - O/S AVAILABLE	
	Exh.	MD000471	B281 C281	.315x.516x1.990 - O/S AVAILABLE	
	Seals Both	MD197467	59553 32474	.315x.512 “Viton” .342x.531 “Viton”	
	Locks Both	MD008760 MD061895	059-813-100 059-716-200	Single-groove 8mm Top-bead 8mm	

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3 1468cc (1.5L) SOHC, GAS, CARB, VIN K, G15B 1985-88					2 VALVE	L4
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1985-88	P3142	1.33x6.6mmx4.01		
		1985-88	P3157	0.22x4.2mmx3.64 - JET VALVE		
		1985-88	P3157-JVH	AUX-VALVE-HOUSING-1-PIECE		
	Exh.	1985-88	P3143C	1.18x6.6mmx3.97		
Seats	Exh.	1985-88	PC1312-53	1.312x.293x0.980/1.106 HI-CHROME		
Guides	Int.	1985-88	Bronze Cast			
			B364 C364	.260x.475x1.730 - O/S AVAILABLE		
Seals	Both	1985-88	AV7015-E0	.260x.472 "Viton" - "Poly" available		
		1985-88	P3157-SEAL-KIT	Includes: 4 - BV3020-E0 4 - 57009		
		1985-88	BV3020-E0	.169x.295 "Viton" - "Poly" available (JET VALVE)		
		1985-88	57009	.315x.471-JET-VALVE - O RING		
Locks	Both	1985-88	059-016-483	Top-bead 6.6mm		
Elim. Kits		1985-88	EK100	BOLT KIT (JET VALVE)		
4 1468cc (1.5L) SOHC, GAS, FI, VIN X, 4G15, VIN J, G4DJ 1989-94					2 VALVE	L4
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1989-94	PV4067	1.38x6.6mmx4.00		
Seats	Int.	1989-94	PC1437-63	1.437x.280x1.181/1.285 HI-CHROME		
	Exh.	1989-94	PC1312-53	1.312x.293x0.980/1.106 HI-CHROME		
Guides	Int.	1989-94	Bronze Cast			
			B364 C364	.260x.475x1.730 - O/S AVAILABLE		
Seals	Both	1989-94	B363 C363	.260x.474x1.950 - O/S AVAILABLE		
Locks	Both	1989-94	AV7015-E0	.260x.472 "Viton" - "Poly" available		
Locks	Both	1989-94	059-016-483	Top-bead 6.6mm		
5 1468cc (1.5L) SOHC, GAS, FI, VIN A, 4G15 1991-02					3 VALVE	L4
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1991-02	PV4374	1.02x6.6mmx3.97		
		1991-02	PV4375	1.22x6.6mmx3.97		
		1991-02	PV4376	1.30x6.6mmx3.98		
Seats	Int.	1991-02	PC1125-52	1.125x.285x0.825/0.925 HI-CHROME		
		1991-02	PC1312-62	1.312x.285x1.065/1.120 HI-CHROME		
	Exh.	1991-02	PC1437-61	1.437x.310x1.162 HI-CHROME		
Guides	Int.	1991-02	Bronze Cast			
			B364 C364	.260x.475x1.730 - O/S AVAILABLE		
Seals	Both	1991-02	B363 C363	.260x.474x1.950 - O/S AVAILABLE		
Locks	Both	1991-02	AV7015-E0	.260x.472 "Viton" - "Poly" available		
Locks	Both	1991-02	059-016-483	Top-bead 6.6mm		
6 1597cc (1.6L) DOHC, GAS, FI, VIN Z, 4G61 TURBO, VIN Y 1989-89					4 VALVE	L4
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1989-89	P3439	1.33x6.6mmx4.31		
		1989-89	P3439N	" " " NITRIDED		
		1989-89	P3439HP-C	1.37x6.6mmx4.31 - 1mm O/S		
		1989-89	P3439SHP	1.33x6.6mmx4.32		
	Exh.	1989-89	P3438	1.20x6.6mmx4.31		
		1989-89	P3438N	" " " NITRIDED + WAFER TIP		
		1989-89	P3438HP-C	1.24x6.6mmx4.31 - 1mm O/S		
		1989-89	P3438SHP	1.19x6.6mmx4.31		

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6 1597cc (1.6L) DOHC, GAS, FI, VIN Z, 4G61 TURBO , VIN Y 1989-89 (CONT.) 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Seats	Int.	1989-89	PC1437-68	1.437x.316x1.135/1.250 HI-CHROME
		1989-89	M21437-68	“ “ “ TUNGSTEN CARBIDE
	Exh.	1989-89	PC1312-64	1.312x.316x1.045 HI-CHROME
		1989-89	M21312-64	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	1989-89	Bronze Cast	
			B506 C506	.260x.475x1.795 - O/S AVAILABLE
	Exh.	1989-89	B540 C540	.260x.475x1.980 - O/S AVAILABLE
Seals	Both	1989-89	AV7015-E0	.260x.472 “Viton” - “Poly” available
Locks	Both	1989-89	059-016-483	Top-bead 6.6mm
7 1597cc (1.6L) SOHC, GAS, FI, VIN F, G32B TURBO 1985-88 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1985-88	P3157	0.22x4.2mmx3.64 - JET VALVE
		1985-88	P3157-JVH	AUX-VALVE-HOUSING-1-PIECE
Seats	Int.	1985-88	PC1562-50	1.562x.280x1.260/1.412 HI-CHROME
		1985-88	M21562-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1985-88	PC1375-51	1.375x.280x1.060/1.150 HI-CHROME
		1985-88		
Guides	Int.	1985-88	Bronze Cast	
			B280 C280	.315x.516x1.735 - O/S AVAILABLE
	Exh.	1985-88	B281 C281	.315x.516x1.990 - O/S AVAILABLE
Seals	Both	1985-88	59553	.315x.512 “Viton”
		1985-88	55000	.315x.512 “Poly”
		1985-88	P3157-SEAL-KIT	Includes: 4 - BV3020-E0 4 - 57009
		1985-88	BV3020-E0	.169x.295 “Viton” - “Poly” available (JET VALVE)
		1985-88	57009	.315x.471-JET-VALVE - O RING
		1985-88		
Locks	Both	1985-88	059-716-200	Top-bead 8mm
Elim. Kits		1985-88	EK100	BOLT KIT (JET VALVE)
8 1755cc (1.8L) SOHC, GAS, FI, VIN B, T, 4G37 1990-94 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1990-94	PV2659	1.65x8mmx3.86
	Exh.	1990-94	PV2658	1.34x8mmx3.76
Seats	Int.	1990-94	PC1750-59	1.750x.315x1.360/1.503 HI-CHROME
	Exh.	1990-94	PC1500-75	1.500x.300x1.180 HI-CHROME
Guides	Int.	1990-94	Bronze Cast	
			B280 C280	.315x.516x1.735 - O/S AVAILABLE
	Exh.	1990-94	B281 C281	.315x.516x1.990 - O/S AVAILABLE
Seals	Both	1990-94	59553	.315x.512 “Viton”
Locks	Both	1990-94	059-716-200	Top-bead 8mm
Lifters		1990-94	VLA112	HYDRAULIC
9 1795cc (1.8L) SOHC, GAS, CARB, VIN 4, G62B 1983-83 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1983-83	P3338	1.69x8mmx4.32
		1983-83	P3157	0.22x4.2mmx3.64 - JET VALVE
		1983-83	P3157-JVH	AUX-VALVE-HOUSING-1-PIECE
		1983-83	P3337	1.37x8mmx4.28
	Exh.	1983-83		

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9 1795cc (1.8L) SOHC, GAS, CARB, VIN 4, G62B 1983-83 (CONT.)					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1983-83	PC1750-61		1.750x.310x1.445/1.617 HI-CHROME	
		1983-83	M21750-61		“ “ “ TUNGSTEN CARBIDE	
	Exh.	1983-83	PC1500-62		1.500x.310x1.220/1.284 HI-CHROME	
		1983-83	M21500-62		“ “ “ TUNGSTEN CARBIDE	
Guides	Int.	1983-83	Bronze	Cast	.315x.516x1.850 - O/S AVAILABLE	
		1983-83	B290	C290	.315x.514x1.848	
	Exh.	1983-83	B291	C291	.315x.516x2.050 - O/S AVAILABLE	
		1983-83		C7575	.315x.514x2.046	
Seals	Both	1983-83	59553		.315x.512 “Viton”	
		1983-83	P3157-SEAL-KIT		Includes: 4 - BV3020-E0 4 - 57009	
		1983-83	BV3020-E0		.169x.295 “Viton” - “Poly” available (JET VALVE)	
		1983-83	57009		.315x.471-JET-VALVE - O RING	
Locks	Both	1983-83	059-716-200		Top-bead 8mm	
Springs	Both	1983-83	051-125		1.30odx0.96id* 57Lb.@1.60	
Elim. Kits		1983-83	EK100		BOLT KIT (JET VALVE)	
10 1795cc (1.8L) SOHC, GAS, FI, VIN G, G62B TURBO 1984-88					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1984-88	P3338		1.69x8mmx4.32	
	Exh.	1984-88	P3337		1.37x8mmx4.28	
Seats	Int.	1984-88	PC1750-61		1.750x.310x1.445/1.617 HI-CHROME	
		1984-88	M21750-61		“ “ “ TUNGSTEN CARBIDE	
	Exh.	1984-88	PC1500-62		1.500x.310x1.220/1.284 HI-CHROME	
		1984-88	M21500-62		“ “ “ TUNGSTEN CARBIDE	
Guides	Int.	1984-88	Bronze	Cast	.315x.516x1.850 - O/S AVAILABLE	
		1984-88	B290	C290	.315x.514x1.848	
	Exh.	1984-88	B291	C291	.315x.516x2.050 - O/S AVAILABLE	
		1984-88		C7575	.315x.514x2.046	
Seals	Both	1984-88	59553		.315x.512 “Viton”	
Locks	Both	1984-88	059-716-200		Top-bead 8mm	
Springs	Both	1984-85	051-125		1.30odx0.96id* 57Lb.@1.60	
		1985-88	051-289		1.33odx0.94id* 70Lb.@1.60	
11 1834cc (1.8L) SOHC, GAS, FI, VIN C, D, 4G93 1992-02					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1992-02	P5044		1.18x6mmx4.33	
	Exh.	1992-02	P5045		1.06x6mmx4.48	
Seats	Int.	1993-02	PC1250-60		1.250x.273x1.023/1.110 HI-CHROME	
	Exh.	1992-92	PC1187-51		1.187x.257x0.905 HI-CHROME	
		1992-92	M21187-51		“ “ “ TUNGSTEN CARBIDE	
		1993-02	PC1187-54		1.187x.280x0.880 HI-CHROME	
Guides	Int.	1992-02	Bronze	Cast	.236x.435x1.790 - O/S AVAILABLE	
	Exh.	1992-02	B649	C649	.235x.435x1.985 - O/S AVAILABLE	
Seals	Both	1992-02	BV4951-G1		.236x.433 “Viton” - “Poly” available	
Lifters	Both	1992-02	VLA112		HYDRAULIC	

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12 1997cc (2.0L) SOHC, GAS, CARB, VIN 5, D, G63B 1983-89					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1983-89	P3338		1.69x8mmx4.32	
		1983-89	P3157		0.22x4.2mmx3.64 - JET VALVE	
		1983-89	P3157-JVH		AUX-VALVE-HOUSING-1-PIECE	
	Exh.	1983-89	P3337		1.37x8mmx4.28	
Seats	Int.	1983-89	PC1750-61		1.750x.310x1.445/1.617 HI-CHROME	
		1983-89	M21750-61		“ “ “ TUNGSTEN CARBIDE	
	Exh.	1983-89	PC1500-62		1.500x.310x1.220/1.284 HI-CHROME	
		1983-89	M21500-62		“ “ “ TUNGSTEN CARBIDE	
Guides	Int.	1983-89	Bronze B290	Cast C290	.315x.516x1.850 - O/S AVAILABLE	
		1983-89		C7574	.315x.514x1.848	
	Exh.	1983-89	B291	C291	.315x.516x2.050 - O/S AVAILABLE	
		1983-89		C7575	.315x.514x2.046	
Seals	Both	1983-89	59553		.315x.512 “Viton”	
		1983-89	P3157-SEAL-KIT		Includes: 4 - BV3020-E0 4 - 57009	
		1983-89	BV3020-E0		.169x.295 “Viton” - “Poly” available (JET VALVE)	
		1983-89	57009		.315x.471-JET-VALVE - O RING	
Locks	Both	1983-89	059-716-200		Top-bead 8mm	
Springs	Both	1983-84	051-125		1.30odx0.96id* 57Lb.@1.60	
		1984-89	051-289		1.33odx0.94id* 70Lb.@1.60	
Lifters	Both	1983-89	VLA112		HYDRAULIC	
Elim. Kits		1983-89	EK100		BOLT KITS (JET VALVE)	
13 122 C.I. (2.0L) 4G52 - INDUST.					2 VALVE	L4
PART		OE#	PART NO.		NOTES	
Valves	Int.	MD020580	P3145		1.69x8mmx4.45	
		MD070691	P3338		1.69x8mmx4.32	
	Exh.	MD040539	P3144		1.37x8mmx4.40	
		MD070693	P3337		1.37x8mmx4.28	
Guides	Int.	MD020551	Bronze B290	Cast C290	.315x.516x1.850 - O/S AVAILABLE	
				C7574	.315x.514x1.848	
	Exh.	MD020561	B291	C291	.315x.516x2.050 - O/S AVAILABLE	
				C7575	.315x.514x2.046	
Seals	Both	MD197467	59553		.315x.512 “Viton”	
14 122 C.I. (2.0L) 4G63 - INDUST.					2 VALVE	L4
PART		OE#	PART NO.		NOTES	
Valves	Int.	MD070691	P3338		1.69x8mmx4.32	
		MD085253	PV2661		1.81x8mmx4.19	
	Exh.	MD070693	P3337		1.37x8mmx4.28	
		MD085254	PV2660		1.49x8mmx4.14	
Guides	Int.	MD020551	Bronze B290	Cast C290	.315x.516x1.850 - O/S AVAILABLE	
				C7574	.315x.514x1.848	
	Exh.	MD020561	B291	C291	.315x.516x2.050 - O/S AVAILABLE	
				C7575	.315x.514x2.046	
Seals	Both	MD197467	59553		.315x.512 “Viton”	
Locks	Both	MD061895	059-716-200		Top-bead 8mm	

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15 1997cc (2.0L) SOHC, GAS, FI, VIN V, 4G63 1989-92					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1989-92	P3338	1.69x8mmx4.32		
	Exh.	1989-92	P3337	1.37x8mmx4.28		
Seats	Int.	1989-92	PC1750-61	1.750x.310x1.445/1.617 HI-CHROME		
		1989-92	M21750-61	" " " TUNGSTEN CARBIDE		
	Exh.	1989-92	PC1500-62	1.500x.310x1.220/1.284 HI-CHROME		
		1989-92	M21500-62	" " " TUNGSTEN CARBIDE		
Guides	Int.	1989-92	Bronze Cast B290 C290	.315x.516x1.850 - O/S AVAILABLE		
		1989-92	C7574	.315x.514x1.848		
	Exh.	1989-92	B291 C291	.315x.516x2.050 - O/S AVAILABLE		
		1989-92	C7575	.315x.514x2.046		
Seals	Both	1989-92	59553	.315x.512 "Viton"		
Locks	Both	1989-92	059-716-200	Top-bead 8mm		
Springs	Both	1989-92	051-289	1.330dx0.94id* 70Lb.@1.60		
Lifters	Both	1989-92	VLA112	HYDRAULIC		
16 1997cc (2.0L) DOHC, GAS, FI, VIN E, R, 4G63 / VIN F, U, TURBO 1989-99					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1989-99	P3439	1.33x6.6mmx4.31		
		1989-99	P3439N	" " " NITRIDED		
		1989-99	P3439HP-C	1.37x6.6mmx4.31 - 1mm O/S		
		1989-99	P3439SHP	1.33x6.6mmx4.32		
	Exh.	1989-99	P3438	1.20x6.6mmx4.31		
		1989-99	P3438N	" " " NITRIDED - WAFER TIP		
		1989-99	P3438HP-C	1.24x6.6mmx4.31 - 1mm O/S		
		1989-99	P3438SHP	1.19x6.6mmx4.31		
Seats	Int.	89-4/92	PC1437-68	1.437x.316x1.135/1.250 HI-CHROME		
		89-4/92	M21437-68	" " " TUNGSTEN CARBIDE		
		5/92-99	PC1437-73	1.437x.336x1.142/1.265 HI-CHROME		
	Exh.	1989-99	PC1312-64	1.312x.316x1.045 HI-CHROME		
		1989-99	M21312-64	" " " TUNGSTEN CARBIDE		
Guides	Int.	1989-99	Bronze Cast B506 C506	.260x.475x1.795 - O/S AVAILABLE		
	Exh.	1989-99	B540 C540	.260x.475x1.980 - O/S AVAILABLE		
Seals	Both	1989-99	AV7015-E0	.260x.472 "Viton" - "Poly" available		
Locks	Both	1989-99	059-016-483	Top-bead 6.6mm		
17 1997cc (2.0L) DOHC, GAS, FI, VIN Y, 420A CHRYSLER 1995-99					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1995-99	PV4485	1.37x6mmx4.39		
	Exh.	1995-99	PV4484	1.20x6mmx4.32		
Guides	Both	1995-99	B681	.234x.436x1.730 BRONZE		
		1995-99	C681	" " "		
Seals	Both	1995-99	UVO865-GO	.236x.435 "Viton" - "Poly" available		
Locks	Both	1995-99	059-211-086	Center-bead 6mm		

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18 1997cc (2.0L) DOHC, GAS, FI, VIN C, D, 4G63 TURBO 2003-06				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2003-06	P3439	1.33x6.6mmx4.31	
		2003-06	P3439N	“ “ “ NITRIDED	
		2003-06	P3439HP-C	1.37x6.6mmx4.31 - 1mm O/S	
		2003-06	P3439SHP	1.33x6.6mmx4.32	
	Exh.	2003-06	P3438	1.20x6.6mmx4.31	
		2003-06	P3438N	“ “ “ NITRIDED	
		2003-06	P3438HP-C	1.24x6.6mmx4.31 - 1mm O/S	
		2003-06	P3438SHP	1.19x6.6mmx4.31	
Guides	Int.	2003-06	Bronze Cast B506 C506	.260x.475x1.795 - O/S AVAILABLE	
	Exh.	2003-06	B540 C540	.260x.475x1.980 - O/S AVAILABLE	
Seals	Both	2003-06	AV7015-E0	.260x.472 “Viton” - “Poly” available	
Locks	Both	2003-06	059-016-483	Top-bead 6.6mm	
19 1998cc (2.0L) DOHC, GAS, FI, VIN U, W, 4B12, 4B11 2008-12				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	2008-12	217436	.217x.436 “Viton”	
Locks	Both	2008-12	059-245-5.5	Top-bead 5.5mm	
20 1999cc (2.0L) SOHC, GAS, FI, VIN E, 4G94 2002-07				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2002-07	P5044	1.18x6mmx4.33	
	Exh.	2002-07	P5045	1.06x6mmx4.48	
Seats	Int.	2002-07	PC1250-60	1.250x.273x1.023/1.110 HI-CHROME	
	Exh.	2002-07	PC1187-54	1.187x.280x0.880 HI-CHROME	
Guides	Int.	2002-07	Bronze Cast B649 C649	.236x.435x1.790 - O/S AVAILABLE	
	Exh.	2002-07	B651 C651	.235x.435x1.985 - O/S AVAILABLE	
Seals	Both	2002-07	BV4951-G1	.236x.433 “Viton” - “Poly” available	
Lifters	Both	2002-07	VLA112	HYDRAULIC	
21 2346cc (2.3L) SOHC, DIESEL , FI, VIN 9, J, 4D55 1983-85				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1983-85	P3841	1.57x8mmx5.37	
	Exh.	1983-85	P3840	1.34x8mmx5.37	
Seats	Int.	1983-85	PC1750-66	1.750x.275x1.460/1.530 HI-CHROME	
	Exh.	1983-85	PC1500-72	1.500x.275x1.182/1.260 HI-CHROME	
Guides	Int.	1983-85	Bronze Cast B500	.315x.514x2.800	
	Exh.	1983-85	B505 C505	.315x.514x2.910	
Seals	Both	1983-85	59553	.315x.512 “Viton”	
Locks	Both	1983-85	059-716-200	Top-bead 8mm	
22 143 C.I. (2.4L) 4G64 - INDUST.					L4
PART	OE#	PART NO.	NOTES		
Valves	Int.	MD085253	PV2661	1.81x8mmx4.19	
	Exh.	MD085254	PV2660	1.49x8mmx4.14	

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22 143 C.I. (2.4L) 4G64 - INDUST. (CONT.)					L4
PART	OE#	PART NO.	NOTES		
Guides	Int.	Bronze	Cast		
		B290	C290	.315x.516x1.850 - O/S AVAILABLE	
	Exh.		C7574	.315x.514x1.848	
		B291	C291	.315x.516x2.050 - O/S AVAILABLE	
			C7575	.315x.514x2.046	
Seals	Both	MD197467	59553	.315x.512 "Viton"	
23 2351cc (2.4L) SOHC, GAS, FI, VIN L, G64B 1985-88					3 VALVE L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1985-88	PV2661	1.81x8mmx4.19	
		1985-88	P3157	0.22x4.2mmx3.64 - JET VALVE	
	Exh.	1985-88	P3157-JVH	AUX-VALVE-HOUSING-1-PIECE	
		1985-88	PV2660	1.49x8mmx4.14	
Seats	Int.	1985-88	PC1875-51	1.875x.317x1.575/1.692 HI-CHROME	
		1985-88	M21875-51	" " " TUNGSTEN CARBIDE	
	Exh.	1985-88	PC1625-56	1.625x.317x1.298/1.382 HI-CHROME	
		1985-88	M21625-56	" " " TUNGSTEN CARBIDE	
Guides	Int.	1985-88	Bronze	Cast	
		1985-88	B290	C290	.315x.516x1.850 - O/S AVAILABLE
	Exh.	1985-88		C7574	.315x.514x1.848
		1985-88	B291	C291	.315x.516x2.050 - O/S AVAILABLE
				C7575	.315x.514x2.046
Seals	Both	1985-88	59553	.315x.512 "Viton"	
		1985-88	P3157-SEAL-KIT	Includes: 4 - BV3020-E0 4 - 57009	
		1985-88	BV3020-E0	.169x.295 "Viton" - "Poly" available (JET VALVE)	
		1985-88	57009	.315x.471-JET-VALVE - O RING	
Locks	Both	1985-88	059-716-200	Top-bead 8mm	
Springs	Both	1985-88	051-289	1.33odx0.94id* 70Lb.@1.60	
Lifters	Both	1985-88	VLA112	HYDRAULIC	
Elim. Kits		1985-88	EK100	BOLT KIT (JET VALVE)	
24 2351cc (2.4L) DOHC, GAS, FI, 4G64 1994-95					4 VALVE L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1994-95	P3439	1.33x6.6mmx4.31	
		1994-95	P3439N	" " " NITRIDED	
		1994-95	P3439HP-C	1.37x6.6mmx4.31 - 1mm O/S	
		1994-95	P3439SHP	1.33x6.6mmx4.32	
	Exh.	1994-95	P3438	1.20x6.6mmx4.31	
		1994-95	P3438N	" " " NITRIDED	
		1994-95	P3438HP-C	1.24x6.6mmx4.31 - 1mm O/S	
		1994-95	P3438SHP	1.19x6.6mmx4.31	
Seats	Int.	1994-95	PC1437-68	1.437x.316x1.135/1.250 HI-CHROME	
		1994-95	M21437-68	" " " TUNGSTEN CARBIDE	
	Exh.	1994-95	PC1312-64	1.312x.316x1.045 HI-CHROME	
		1994-95	M21312-64	" " " TUNGSTEN CARBIDE	
Guides	Int.	1994-95	Bronze	Cast	
	Exh.	1994-95	B506	C506	.260x.475x1.795 - O/S AVAILABLE
			B540	C540	.260x.475x1.980 - O/S AVAILABLE
Seals	Both	1994-95	AV7015-E0	.260x.472 "Viton" - "Poly" available	
Locks	Both	1994-95	059-016-483	Top-bead 6.6mm	

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25 2351cc (2.4L) SOHC, GAS, FI, VIN G, W, 4G64 1989-94					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1989-94	PV2661	1.81x8mmx4.19		
	Exh.	1989-94	PV2660	1.49x8mmx4.14		
Seats	Int.	1989-94	PC1875-51	1.875x.317x1.575/1.692 HI-CHROME		
		1989-94	M21875-51	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1989-94	PC1625-56	1.625x.317x1.298/1.382 HI-CHROME		
		1989-94	M21625-56	“ “ “ TUNGSTEN CARBIDE		
Guides	Int.	1989-94	Bronze Cast B290 C290	.315x.516x1.850 - O/S AVAILABLE		
		1989-94	C7574	.315x.514x1.848		
	Exh.	1989-94	B291 C291	.315x.516x2.050 - O/S AVAILABLE		
		1989-94	C7575	.315x.514x2.046		
Seals	Both	1989-94	59553	.315x.512 “Viton”		
Locks	Both	1989-94	059-716-200	Top-bead 8mm		
Springs	Both	1989-94	051-289	1.33odx0.94id* 70Lb.@1.60		
Lifters	Both	1989-94	VLA112	HYDRAULIC		
26 2351cc (2.4L) SOHC, GAS, FI, VIN G, 4G64 1993-05					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1993-05	PV4511	1.30x6mmx4.42		
		1993-05	PV4511N	“ “ “ - NITRIDED		
	Exh.	1993-05	PV4512	1.14x6mmx4.49		
		1993-05	PV4512N	“ “ “ - NITRIDED		
Seats	Int.	1993-05	PC1375-62	1.375x.300x1.100/1.210 HI-CHROME		
	Exh.	1993-05	PC1250-59	1.250x.329x0.982 HI-CHROME		
Guides	Int.	1993-05	Bronze Cast B649 C649	.236x.435x1.790 - O/S AVAILABLE		
		1993-05	B651 C651	.235x.435x1.985 - O/S AVAILABLE		
	Exh.	1993-05	B651 C651	.235x.435x1.985 - O/S AVAILABLE		
		1993-05	B651 C651	.235x.435x1.985 - O/S AVAILABLE		
Seals	Both	1993-05	BV4951-G1	.236x.433 “Viton” - “Poly” available		
Lifters	Both	1993-05	VLA112	HYDRAULIC		
27 2378cc (2.4L) SOHC, GAS, FI, VIN F, 4G69 2005-12					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	2005-12	P5209N	1.33x6mmx4.385		
	Exh.	2005-12	P5210N	1.20x6mmx4.472		
Guides	Int.	2005-09	Bronze Cast B649 C649	.236x.435x1.790 - O/S AVAILABLE		
		2005-09	B651 C651	.235x.435x1.985 - O/S AVAILABLE		
	Exh.	2005-09	B651 C651	.235x.435x1.985 - O/S AVAILABLE		
		2005-09	B651 C651	.235x.435x1.985 - O/S AVAILABLE		
Seals	Both	2005-09	BV4951-G1	.236x.433 “Viton” - “Poly” available		
28 2555cc (2.6L) SOHC, GAS, CARB, VIN 7, E, G54B 1983-89					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1983-84	P3150	1.81x8mmx4.33		
		1985-89	P3342	1.81x8mmx4.25		
		1985-89	P3342HP-C	1.85x8mmx4.25 - O/S		
		1983-89	P3157	0.22x4.2mmx3.64 - JET VALVE		
	Exh.	1983-89	P3157-JVH	AUX-VALVE-HOUSING-1-PIECE		
		1983-84	P3152	1.49x8mmx4.25		
		1985-89	P3377	1.49x8mmx4.17		
		1985-89	P3341	1.49x8mmx4.17		
		1985-89	P3341HP-C	1.53x8mmx4.17 - O/S		

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28 2555cc (2.6L) SOHC, GAS, CARB, VIN 7, E, G54B 1983-89 (CONT.)				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seats	Int.	1983-89	PC1875-51	1.875x.317x1.575/1.692 HI-CHROME	
		1983-89	M21875-51	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1983-89	PC1625-56	1.625x.317x1.298/1.382 HI-CHROME	
		1983-89	M21625-56	“ “ “ TUNGSTEN CARBIDE	
Guides	Int.	1983-89	Bronze Cast	.315x.516x1.850 - O/S AVAILABLE	
		1983-89	B290 C290	.315x.514x1.848	
	Exh.	1983-89	B291 C291	.315x.516x2.050 - O/S AVAILABLE	
		1983-89	C7575	.315x.514x2.046	
Seals	Both	1983-89	59553	.315x.512 “Viton”	
		1983-89	P3157-SEAL-KIT	Includes: 4 - BV3020-E0 4 - 57009	
		1983-89	BV3020-E0	.169x.295 “Viton” - “Poly” available (JET VALVE)	
		1983-89	57009	.315x.471-JET-VALVE - O-RING	
Locks	Both	1983-84	059-813-100	Single-groove 8mm	
		1985-89	059-716-200	Top-bead 8mm	
Springs	Both	83-4/84	051-125	1.30odx0.96id* 57Lb.@1.60	
		5/84-89	051-289	1.33odx0.94id* 70Lb.@1.60	
Retainers	Both	1983-89	VSR26MI	1.250x0.930x0.67 CHROME-MOLY	
Lifters		1983-89	VLA112	HYDRAULIC	
Dowel Pins		1983-89	DP393	.393x.320x.313	
		1983-89	DP433	.433x.340x.353	
Cyl. Heads		1983-89	CHM26-12	ALUM. W/ JET VALVE HOLES	
		1983-89	CHM26-8	ALUM. W/O JET VALVE HOLES	
Head Bolt Sets		1983-89	PHB156-10	HEAD BOLT SETS	
Elim. Kits		1983-89	EK100	BOLT KIT (JET VALVE)	
29 156 C.I. (2.6L) 4G54 - INDUST.				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Valves	Int.	MD024518	P3150	1.81x8mmx4.33	
		MD083848	P3342	1.81x8mmx4.25	
	Exh.	MD083851	P3341	1.49x8mmx4.17	
		MD024548	P3152	1.49x8mmx4.25	
Guides	Int.		Bronze Cast	.315x.516x1.850 - O/S AVAILABLE	
			B290 C290	.315x.514x1.848	
	Exh.	MD020551	C7574	.315x.516x2.050 - O/S AVAILABLE	
		MD020561	B291 C291	.315x.514x2.046	
Seals	Both	MD197467	C7575	.315x.512 “Viton”	
30 2555cc (2.6L) SOHC, GAS, FI, VIN H, N, G54B TURBO 1986-89				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1986-89	P3342	1.81x8mmx4.25	
		1986-89	P3342HP-C	1.85x8mmx4.25 - O/S	
		1986-89	P3157	0.22x4.2mmx3.64 - JET VALVE	
	Exh.	1986-89	P3157-JVH	AUX-VALVE-HOUSING-1-PIECE	
		1986-89	P3341	1.49x8mmx4.17	
		1986-89	P3341HP-C	1.53x8mmx4.17 - O/S	
Seats	Int.	1986-89	PC1875-51	1.875x.317x1.575/1.692 HI-CHROME	
		1986-89	M21875-51	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1986-89	PC1625-56	1.625x.317x1.298/1.382 HI-CHROME	
		1986-89	M21625-56	“ “ “ TUNGSTEN CARBIDE	

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30 2555cc (2.6L) SOHC, GAS, FI, VIN H, N, G54B TURBO 1986-89 (CONT.)				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Guides	Int.	Bronze	Cast		
		B290	C290	.315x.516x1.850 - O/S AVAILABLE	
	Exh.		C7574	.315x.514x1.848	
		B291	C291	.315x.516x2.050 - O/S AVAILABLE	
			C7575	.315x.514x2.046	
Seals	Both	1986-89	59553	.315x.512 "Viton"	
		1986-89	P3157-SEAL-KIT	Includes: 4 - BV3020-E0 4 - 57009	
		1986-89	BV3020-E0	.169x.295 "Viton" - "Poly" available (JET VALVE)	
		1986-89	57009	.315x.471-JET-VALVE - O RING	
Locks	Both	1986-89	059-716-200	Top-bead 8mm	
Springs	Both	1986-89	051-289	1.33odx0.94id* 70Lb.@1.60	
Retainers	Both	1986-89	VSR26MI	1.250x0.930x0.67 CHROME-MOLY	
Lifters	Both	1986-89	VLA112	HYDRAULIC	
Dowel Pins		1986-89	DP393	.393x.320x.313	
		1986-89	DP433	.433x.340x.353	
Cyl. Heads		1986-89	CHM26-12	ALUM. W/ JET VALVE HOLES	
		1986-89	CHM26-8	ALUM. W/O JET VALVE HOLES	
Head Bolt Sets		1986-89	PHB156-10	HEAD BOLT SETS	
Elim. Kits		1986-89	EK100	BOLT KITS (JET VALVE)	
31 2972cc (3.0L) SOHC, GAS, FI, VIN H, S, 6G72 1988-99				2 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1988-99	P3495	1.69x8mmx4.06	
		1988-99	P3495-030	1.69x8mmx4.02	
	Exh.	1988-99	P3494	1.37x8mmx4.04	
		1988-99	P3494-030	1.37x8mmx4.01	
Seats	Int.	1988-99	PC1750-61	1.750x.310x1.445/1.617 HI-CHROME	
		1988-99	M21750-61	" " " TUNGSTEN CARBIDE	
	Exh.	1988-99	PC1562-69	1.562x.317x1.219 HI-CHROME	
		1988-99	M21562-69	" " " TUNGSTEN CARBIDE	
		1988-99	PC1562-69N	" " " HI-NICKEL	
Guides	Int.	1988-99	Bronze	Cast	
	Exh.	1988-99	B280	C280	
			B281	C281	
Seals	Both	1988-99	59553	.315x.512 "Viton"	
		1988-99	55000	.315x.512 "Poly"	
Locks	Both	1988-99	059-716-200	Top-bead 8mm	
Springs	Both	1988-99	051-289	1.33odx0.94id* 70Lb.@1.60	
Lifters		1988-99	VLA112	HYDRAULIC	
Head Bolt Sets		1988-99	PHB180-16	HEAD BOLT KIT	
32 181 C.I. (3.0L) 6G72 FORKLIFT - INDUST.				2 VALVE	V6
PART	OE#	PART NO.	NOTES		
Valves	Int.	MD088811	P3495	1.69x8mmx4.06	
	Exh.	MD088812	P3494	1.37x8mmx4.04	
Seats	Int.		PC1750-61	1.750x.310x1.445/1.617 HI-CHROME	
			M21750-61	" " " TUNGSTEN CARBIDE	
	Exh.		PC1562-69	1.562x.317x1.219 HI-CHROME	
			M21562-69	" " " TUNGSTEN CARBIDE	
			PC1562-69N	" " " TUNGSTEN CARBIDE	

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32 181 C.I. (3.0L) 6G72 FORKLIFT - INDUST. (CONT.)				2 VALVE V6
PART		OE#	PART NO.	NOTES
Guides	Int.		Bronze B280	.315x.516x1.735 - O/S AVAILABLE
	Exh.		Cast C280	.315x.516x1.990 - O/S AVAILABLE
Seals	Both	MD000508	59553 55000	.315x.512 "Viton" .315x.512 "Poly"
Locks	Both	MD061895	059-716-200	Top-bead 8mm
Springs	Both	MD073398	051-289	1.330dx0.94id* 70Lb.@1.60
Lifters			VLA112	HYDRAULIC
Head Bolt Sets			PHB180-16	HEAD BOLT KITS
33 2972cc (3.0L) DOHC, GAS, FI, VIN B, J, 6G72, VIN C, K, TURBO 1991-99				4 VALVE V6
PART		YEARS	PART NO.	NOTES
Valves	Int.	1991-99	PV4505	1.37x6.6mmx4.18
		1991-99	PV4505HP-C	1.41x6.6mmx4.18 - 1mm O/S
	Exh.	1991-99	PV4506	1.19x6.6mmx4.15
		1991-99	PV4506HP-C	1.24x6.6mmx4.15 - 1mm O/S
Seats	Int.	1991-99	M21437-59	1.437x.305x1.180/1.245 TUNGSTEN CARBIDE
	Exh.	1991-99	PC1312-64	1.312x.316x1.045 HI-CHROME
		1991-99	M21312-64	" " " TUNGSTEN CARBIDE
Guides	Int.	1991-99	Bronze B506	.260x.475x1.795 - O/S AVAILABLE
	Exh.	1991-99	Cast C506	.260x.475x1.980 - O/S AVAILABLE
Seals	Both	1991-99	AV7015-E0	.260x.472 "Viton" - "Poly" available
Locks	Both	1991-99	059-016-483	Top-bead 6.6mm
Head Bolt Sets		1991-99	PHB180-16	HEAD BOLT KITS
34 2972cc (3.0L) SOHC, GAS, FI, VIN F, H, L, P, 6G72 1995-05				4 VALVE V6
PART		YEARS	PART NO.	NOTES
Valves	Int.	1995-05	PV4511	1.30x6mmx4.42
		1995-05	PV4511N	" " " - NITRIDED
	Exh.	1995-05	PV4512	1.14x6mmx4.49
		1995-05	PV4512N	" " " - NITRIDED
Seats	Int.	1995-05	PC1375-62	1.375x.300x1.100/1.210 HI-CHROME
	Exh.	1995-05	PC1250-59	1.250x.329x0.982 HI-CHROME
Guides	Int.	1995-05	Bronze B649	.236x.435x1.790 - O/S AVAILABLE
	Exh.	1995-05	Cast C649 C8569G	.236x.436x1.990
Seals	Both	1995-05	BV4951-G1	.236x.433 "Viton" - "Poly" available
Lifters	Both	1995-05	VLA112	HYDRAULIC
35 2998cc (3.0L) SOHC, 6B31, VIN X 2007-11				4 VALVE V6
PART		YEARS	PART NO.	NOTES
Seals	Both	2007-11	BV4951-G1	.236x.433 "Viton" - "Poly" available
Lifters	Both	2007-11	VLA112	HYDRAULIC
36 203cc (3.3L) 305cc (5.0L) MITSUBISHI S4S, S6S FORKLIFT - INDUST				L4
PART		OE#	PART NO.	NOTES
Seals	Both	32A0402801	AV7367-VI	.315x.472 "Viton" - "Poly" available

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37 3497cc (3.5L) DOHC, GAS, FI, VIN M, 6G74 1994-96				4 VALVE V6
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1994-96	PV4505	1.37x6.6mmx4.18
		1994-96	PV4505HP-C	1.41x6.6mmx4.18 - 1mm O/S
	Exh.	1994-96	PV4506	1.19x6.6mmx4.15
		1994-96	PV4506HP-C	1.24x6.6mmx4.15 - 1mm O/S
Seats	Int.	1994-96	M21437-59	1.437x.305x1.180/1.245 TUNGSTEN CARBIDE
	Exh.	1994-96	PC1312-64	1.312x.316x1.045 HI-CHROME
		1994-96	M21312-64	“ “ “ TUNGSTEN CARBIDE
Guides			Bronze Cast	
	Int.	1994-96	B506 C506	.260x.475x1.795 - O/S AVAILABLE
	Exh.	1994-96	B540 C540	.260x.475x1.980 - O/S AVAILABLE
Seals	Both	1994-96	AV7015-E0	.260x.472 “Viton” - “Poly” available
Locks	Both	1994-96	059-016-483	Top-bead 6.6mm
Head Bolt Sets		1994-96	PHB180-16	HEAD BOLT KITS
38 3497cc (3.5L) SOHC, GAS, FI, VIN P, R, 6G74 1997-04				4 VALVE V6
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1997-04	PV4511	1.30x6mmx4.42
	Exh.	1997-04	PV4512	1.14x6mmx4.49
Seats	Int.	1997-04	PC1375-62	1.375x.300x1.100/1.210 HI-CHROME
	Exh.	1997-04	PC1250-59	“ “ “ HI-CHROME
Guides			Bronze Cast	
	Int.	1997-04	B649 C649	.236x.435x1.790 - O/S AVAILABLE
	Exh.	1997-04	B651 C651	.235x.435x1.985 - O/S AVAILABLE
Seals	Both	1997-04	BV4951-G1	.236x.433 “Viton” - “Poly” available
Lifters	Both	1997-04	VLA112	HYDRAULIC
39 3701cc (3.7L) SOHC, VIN K, CHRYSLER 2006-09				2 VALVE V6
PART	YEARS	PART NO.	NOTES	
Valves	Int.	2006-09	P5014	1.91x7mmx4.48
	Exh.	2006-09	P5013	1.45x7mmx4.53
Seats	Int.	2006-09	PC2000-51	2.000x.270x1.690/1.765 HI-CHROME
	Exh.	2006-09	PC1500-50	1.500x.280x1.203/1.266 HI-CHROME
		2006-09	M21500-50	“ “ “ TUNGSTEN CARBIDE
		2006-09	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME
Guides	Both	2006-09	B3026	.275x.472x1.702 BRONZE
		2006-09	C420	.275x.472x1.707 - O/S AVAILABLE
Seals	Both	2006-09	UV6006-A2	.276x.472 “Viton” - “Poly” available
Locks	Both	2006-09	059-841-600	3 Round-bead 7mm
Springs	Int.	2006-09	050-1612	1.140dx0.77id* 65Lb.@1.65
	Both	2006-09	052-482	1.16Tox0.80Ti* 75Lb.@1.58
40 3828cc (3.8L) SOHC, GAS, FI, VIN S, T, 6G75 2003-11				4 VALVE V6
PART	YEARS	PART NO.	NOTES	
Guides	Int.	2003-11	B649	.236x.435x1.790 BRONZE - O/S AVAILABLE
		2003-11	C8554	.235x.436x1.790
Seals	Both	2003-11	BV4951-G1	.236x.433 “Viton” - “Poly” available
Lifters	Both	2003-11	VLA112	HYDRAULIC

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41 4701cc (4.7L) SOHC, GAS, FI, VIN N, CHRYSLER 2006-07 2 VALVE V8				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2006-07	P5014	1.91x7mmx4.48
	Exh.	2006-07	P5013	1.45x7mmx4.53
Seats	Int. Exh.	2006-07	PC2000-51	2.000x.270x1.690/1.765 HI-CHROME
		2006-07	PC1500-50	1.500x.280x1.203/1.266 HI-CHROME
		2006-07	M21500-50	“ “ “ TUNGSTEN CARBIDE
		2006-07	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME
Guides	Both	2006-07	B3026	.275x.472x1.702 BRONZE
		2006-07	C420	.275x.472x1.707 - O/S AVAILABLE
Seals	Both	2006-07	UV6006-A2	.276x.472 “Viton” - “Poly” available
Locks	Both	2006-07	059-841-600	3 Round-bead 7mm
Springs	Both	2006-07	052-482	1.16Tox0.80Ti* 75Lb.@1.58
42 MICELLANEOUS - VALVE GUIDES				
PART		YEARS	PART NO.	NOTES
Guides	Exh.		C116	.259x.476x1.950
	Both		B629	.234x.495x1.710 BRONZE
			B658	.233x.475x2.000 BRONZE

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3	1189cc (1.2L) OHV, GAS, CARB, E1 1961-65	2 VALVE L4
4	1237cc (1.2L) OHV, GAS, CARB, VIN C, A12A 1980-82	2 VALVE L4
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10	1488cc (1.5L) OHV, GAS, CARB, VIN P, A15 1979-82	2 VALVE L4
11	1595cc (1.6L) SOHC, GAS, CARB, R16 1966-70	2 VALVE L4
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14	1597cc (1.6L) SOHC, GAS, CARB, VIN M, P, E16 1983-86	2 VALVE L4
15	1597cc (1.6L) DOHC, GAS, FI, CA16DE 1987-87	4 VALVE L4
16	1597cc (1.6L) SOHC, GAS, FI, VIN G, GA16I 1989-90	3 VALVE L4
17	1597cc (1.6L) DOHC, GAS, FI, VIN A, E, GA16DE 1991-99	4 VALVE L4
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20	1770cc (1.8L) SOHC, GAS, CARB, VIN H, P, L18 1973-74	2 VALVE L4
21	1809cc (1.8L) SOHC, GAS, FI, VIN C, CA18E TURBO 1984-86	2 VALVE L4
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30	1974cc (2.0L) SOHC, GAS, CARB, VIN H, CA20S 1982-83	2 VALVE L4
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38	2389cc (2.4L) SOHC, GAS, CARB, FI, VIN N, S, Z24, Z24I 1983-89	2 VALVE L4
39	146 C.I. (2.4L) SOHC, Z24 FORKLIFT - INDUST.	2 VALVE L4
40	2389cc (2.4L) SOHC, GAS, FI, VIN F, H, S, KA24E 1989-97	3 VALVE L4
41	2389cc (2.4L) DOHC, GAS, FI, VIN A, B, D, M, KA24DE 1991-04	4 VALVE L4
42	2393cc (2.4L) SOHC, GAS, FI, VIN H, L24E 1977-84	2 VALVE L6
43	2488cc (2.5L) OHV, DIESEL , FI, VIN J, SD25 1983-87	2 VALVE L4
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47	2565cc (2.6L) SOHC, GAS, CARB, VIN R, L26 1974-74	2 VALVE L6
48	2753cc (2.8L) SOHC, GAS, FI, VIN H, L28E, VIN C, L28E TURBO 1975-83	2 VALVE L6
49	2793cc (2.8L) SOHC, DIESEL , FI, VIN S, LD28 1981-83	2 VALVE L6
50	182 C.I. (3.0L) H30 FORKLIFT - INDUST.	2 VALVE L4
51	2960cc (3.0L) SOHC, GAS, FI, VIN C, VG30T TURBO 1984-89	2 VALVE V6
52	2960cc (3.0L) SOHC, GAS, FI, VIN I, H, W, VG30, VG30E, VG30I 1984-98	2 VALVE V6
53	2960cc (3.0L) DOHC, GAS, FI, VIN R, VG30DE, VIN C, VG30DETT TURBO 1990-96	4 VALVE V6
54	2960cc (3.0L) DOHC, GAS, FI, VIN E, VE30DE 1992-94	4 VALVE V6
55	2988cc (3.0L) DOHC, GAS, FI, VIN C, VQ30DE 1995-01	4 VALVE V6
56	3275cc (3.3L) SOHC, GAS, FI, VIN A, VG33E, VG33ER SUPERCHARGED 1996-04	2 VALVE V6
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58	3498cc (3.5L) DOHC, GAS, FI, VIN A, VQ35DE 2001-12 3954cc (4.0L) DOHC, GAS, FI, VQ40DE 2005-09	4 VALVE V6 4 VALVE V6
59	3498cc (3.5L) DOHC, GAS, FI, VQ35HR 2007-09 3696cc (3.7L) DOHC, GAS, FI, VQ37VHR 2009-12	4 VALVE V6 4 VALVE V6
60	254 C.I. (4.2L) TB42 FORKLIFT - INDUST.	2 VALVE L6
61	273 C.I. (4.5L) TB45 FORKLIFT - INDUST.	2 VALVE L6
62	4494cc (4.5L) DOHC, VH45DE, VIN N 1990-96	4 VALVE V8
63	5552cc (5.6L) DOHC, FLEX, GAS, FI, VK56DE 2004-13	4 VALVE V8

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1 71 C.I. (1.2L) OHV, A12 FORKLIFT - 69 C.I. (1.5L) D11 - INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Guides			Bronze Cast		
	Int.	13211H1000	B218 C218	.315x.474x1.925 - O/S AVAILABLE	
	Exh.	13213H1000	B219 C219	.315x.474x1.932 - O/S AVAILABLE	
Seals	Both	13207H6200	AV7367-VI	.315x.472 "Viton" - "Poly" available	
2 1171cc (1.2L) OHV, A12 1970-72				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Guides	Int.	1970-72	C216	.315x.474x2.085	
	Exh.	1970-72	C217	.315x.474x2.094	
3 1189cc (1.2L) OHV, GAS, CARB, E1 1961-65				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1961-65	PC1500-1	1.500x.218x1.250 HI-CHROME	
		1961-65	M21500-1	" " " TUNGSTEN CARBIDE	
	Exh.	1961-65	PC1312-6	1.312x.218x1.063 HI-CHROME	
Guides	Exh.	1961-65	B215	.343x.564x2.208 BRONZE - O/S AVAILABLE	
		1961-65	C215	" " "	
		1961-65	C7498	.344x.565x2.200	
4 1237cc (1.2L) OHV, GAS, CARB, VIN C, A12A 1980-82				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1980-80	P2957	1.46x8mmx4.08	
	Exh.	1980-80	P2958	1.18x8mmx4.08	
		1981-82	P3228	1.18x8mmx3.929	
Seats	Int.	1980-82	PC1500-52	1.500x.240x1.260/1.408 HI-CHROME	
	Exh.	1980-82	PC1312-52	1.312x.240x1.060/1.087 HI-CHROME	
Guides	Both	1980-82	B219	.315x.474x1.932 BRONZE - O/S AVAILABLE	
		1980-82	C219	" " "	
Seals	Both	1980-82	AV7367-VI	.315x.472 "Viton" - "Poly" available	
Locks	Both	1980-82	059-819-050	Single-groove 8mm	
5 1288cc (1.3L) OHV, GAS, CARB, VIN H, A13 1974-74				2 VALVE	L4
1393cc (1.4L) OHV, GAS, CARB, VIN H, P, A14 1975-82				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1974-82	P2957	1.46x8mmx4.08	
	Exh.	1974-82	P2958	1.18x8mmx4.08	
		1981-81	P3228	1.18x8mmx3.929	
Seats	Int.	1974-82	PC1500-52	1.500x.240x1.260/1.408 HI-CHROME	
	Exh.	1974-82	PC1312-52	1.312x.240x1.060/1.087 HI-CHROME	
Guides			Bronze Cast		
	Int.	1974-82	B218 C218	.315x.474x1.925 - O/S AVAILABLE	
	Exh.	1974-82	B219 C219	.315x.474x1.932 - O/S AVAILABLE	
Seals	Both	1974-82	AV7367-VI	.315x.472 "Viton" - "Poly" available	
Locks	Both	1974-82	059-819-050	Single-groove 8mm	

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6 1488cc (1.5L) SOHC, GAS, CARB, VIN M, E15, VIN H, E15S 1982-83					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1982-83	P3279	1.45x7mmx4.67		
	Exh.	1982-83	P3278	1.18x7mmx4.64		
Seats	Int.	1982-83	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME		
	Exh.	1982-83	PC1312-57	1.312x.280x1.060 HI-CHROME		
Guides	Both	1982-83	Bronze Cast			
		1982-83	B372 C372 C7825	.276x.474x2.160 .276x.474x2.160		
Seals	Both	1982-83	BV1760-EO	.276x.472 "Viton" - "Poly" available		
Locks	Both	1982-83	059-211-059	Top-bead 7mm		
7 90 C.I. (1.5L) OHV, J15 FORKLIFT - INDUST.					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Exh.		P3519	1.25x11/32x4.31		
Seats	Both		PC1625-4 M21625-4	1.625x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Int.	1321101W10	Bronze Cast			
	Exh.	1321301W10	B215 C214 C215 C7498	.343x.563x1.875 .343x.564x2.208 - O/S AVAILABLE .344x.565x2.200		
8 91 C.I. (1.5L) OHV, A15 FORKLIFT - INDUST.					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.	13201H6200	P2957	1.46x8mmx4.08		
	Exh.	13202H6200	P2958	1.18x8mmx4.08		
Seats	Int.		PC1312-52	1.312x.240x1.060/1.087 HI-CHROME		
	Exh.		PC1500-52	1.500x.240x1.260/1.408 HI-CHROME		
Guides	Int.	13212H8510	Bronze Cast			
			B218 C218 B219 C219	.316x.474x1.930 .315x.474x1.925 - O/S AVAILABLE .315x.474x1.932 - O/S AVAILABLE		
Seals	Both	13207H6200	AV7367-VI	.315x.472 "Viton" - "Poly" available		
Locks	Both	13210U0100	059-819-050	Single-groove 8mm		
9 1488cc (1.5L) SOHC, GAS, FI, E15T TURBO 1983-84					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1983-84	P3280	1.45x7mmx4.70		
	Exh.	1983-84	P3297	1.22x7mmx4.71		
Seats	Exh.	1983-84	PC1312-62	1.312x.285x1.065/1.120 HI-CHROME		
Guides	Both	1983-84	Bronze Cast			
		1983-84	B372 C372 C7825	.276x.474x2.160 .276x.474x2.160		
Seals	Both	1983-84	BV1760-EO	.276x.472 "Viton" - "Poly" available		
Locks	Both	1983-84	059-211-059	Top-bead 7mm		

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10 1488cc (1.5L) OHV, GAS, CARB, VIN P, A15 1979-82					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1979-80	P2957	1.46x8mmx4.08		
	Exh.	1979-80	P2958	1.18x8mmx4.08		
		1981-82	P3228	1.18x8mmx3.929		
Seats	Int.	1979-82	PC1500-52	1.500x.240x1.260/1.408 HI-CHROME		
	Exh.	1979-82	PC1312-52	1.312x.240x1.060/1.087 HI-CHROME		
Guides	Int.	1979-82	Bronze B218	.315x.474x1.925 - O/S AVAILABLE		
	Exh.	1979-82	Cast C218 B219 C219	.315x.474x1.932 - O/S AVAILABLE		
Seals	Both	1979-82	AV7367-VI	.315x.472 "Viton" - "Poly" available		
Locks	Both	1979-82	059-819-050	Single-groove 8mm		
11 1595cc (1.6L) SOHC, GAS, CARB, R16 1966-70					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1966-70	PC1812-55	1.812x.278x1.500/1.555 HI-CHROME		
	Exh.	1966-70	PC1437-53	1.437x.354x1.090/1.101 HI-CHROME		
Guides	Both	1966-70	C600	.342x.574x1.820		
12 1597cc (1.6L) SOHC, GAS, CARB, VIN P, E16S - E16I 1987-88					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1987-88	P3539	1.45x7mmx4.59		
	Exh.	1987-88	P3540	1.18x7mmx4.56		
Seats	Int.	1987-88	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME		
	Exh.	1987-88	PC1312-57	1.312x.280x1.060 HI-CHROME		
Guides	Int.	1987-88	Bronze B372	.276x.474x2.160		
	Exh.	1987-88	Cast C372	.276x.474x2.282		
		1987-88	B373 C8192	.276x.474x2.280		
Seals	Both	1987-88	BV1760-EO	.276x.472 "Viton" - "Poly" available		
Locks	Both	1987-88	059-211-059	Top-bead 7mm		
13 1595cc (1.6L) SOHC, L16 1968-73					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1968-73	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME		
	Exh.	1968-73	PC1500-53	1.500x.307x1.180/1.241 HI-CHROME		
		1968-73	M21500-53	" " " TUNGSTEN CARBIDE		
Guides	Exh.	1968-73	Bronze B213	.315x.474x2.315 - O/S AVAILABLE		
		1968-73	Cast B213F	.315x.474x2.315		
	Both	1968-73	B212 C212	.315x.474x2.315 - O/S AVAILABLE		
		1968-73	B212 SPEC	.309x.474x2.315		
		1968-73	C7499	.315x.474x2.313		

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14 1597cc (1.6L) SOHC, GAS, CARB, VIN M, P, E16 1983-86					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1983-86	P3539		1.45x7mmx4.59	
	Exh.	1983-86	P3540		1.18x7mmx4.56	
Seats	Int.	1983-86	PC1562-66		1.562x.280x1.265/1.294 HI-CHROME	
	Exh.	1983-86	PC1312-57		1.312x.280x1.060 HI-CHROME	
Guides	Int. Exh.	4/85-86	Bronze	Cast	.276x.474x2.160	
		1983-86	B372	C372	.276x.474x2.282	
		1983-86	B373		.276x.474x2.280	
			C8192			
Seals	Both	1983-86	BV1760-EO		.276x.472 "Viton" - "Poly" available	
Locks	Both	1983-86	059-211-059		Top-bead 7mm	
15 1597cc (1.6L) DOHC, GAS, FI, CA16DE 1987-87					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1987-87	P3326		1.22x6mmx3.50	
	Exh.	1987-87	P3330		1.10x6mmx3.51	
Seats	Int.	1987-87	PC1375-54		1.375x.230x1.022/1.085 HI-CHROME	
	Exh.	1987-87	PC1250-56		1.250x.230x0.905/1.005 HI-CHROME	
Guides	Int. Exh.	1987-87	Bronze	Cast	.236x.395x1.580	
		1987-87	B608	C608	.276x.435x1.770	
		1987-87	B338	C338	.237x.395x1.695	
		1987-87	B563	C563	.237x.403x1.695	
		1987-87	B563+8			
Seals	Both	1987-87	BV3006-F0		.236x.394 "Viton" - "Poly" available	
16 1597cc (1.6L) SOHC, GAS, FI, VIN G, GA16I 1989-90					3 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1989-90	PV2596		1.14x6mmx4.46	
	Exh.	1989-90	PV2594		1.29x6.6mmx4.57	
Seats	Int.	1989-90	PC1250-50		1.250x.250x0.965/1.060 HI-CHROME	
	Exh.	1989-90	M21250-50		" " " TUNGSTEN CARBIDE	
		1989-90	PC1375-51		1.375x.280x1.060/1.150 HI-CHROME	
Guides	Int. Exh.	1989-90	Bronze	Cast	.236x.395x1.970	
		1989-90	B529	C529	.260x.419x2.090 - O/S AVAILABLE	
		1989-90	B519	C519		
Seals	Int.	1989-90	BV3006-F0		.236x.394 "Viton" - "Poly" available	
	Exh.	1989-90	BV3562-E0		.260x.417 "Viton" - "Poly" available	
17 1597cc (1.6L) DOHC, GAS, FI, VIN A, E, GA16DE 1991-99					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int. Exh.	1991-99	PV2643		1.18x5.5mmx3.632	
		1991-94	PV2642		0.94x5.5mmx3.640	
		1995-99	PV4650		0.98x5.5mmx3.640	
Seats	Int.	1991-99	PC1250-54		1.250x.257x1.010/1.056 HI-CHROME	
	Exh.	1991-99	PC1062-50		1.062x.254x0.790 HI-CHROME	
Guides	Exh.	1991-99	B632		.217x.376x1.575 BRONZE	
	Both	1991-99	C8213		.217x.376x1.575	
Seals	Both	1991-99	UVO817-EO		.216x.376 "Viton" - "Poly" available	
Locks	Both	1991-99	059-211-064		Center-bead 6mm	

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18 1618cc (1.6L) DOHC, GAS, FI, TURBOCHARGED, MR16DDT 2011-12				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seals	Both	2011-12	UVO817-EO	.216x.376 "Viton"	
Locks	Both	2011-12	059-211-064	Center-bead 6mm	
19 1688cc (1.7L) SOHC, DIESEL , FI, VIN S, CD17 1983-85				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1983-85	P3275	1.41x7mmx3.97	
	Exh.	1983-85	P3274	1.22x7mmx3.97	
Seats	Int.	1983-85	PC1500-69	1.500x.318x1.255 HI-CHROME	
	Exh.	1983-85	PC1375-55	1.375x.325x1.125 HI-CHROME	
		1983-85	M21375-55	" " " TUNGSTEN CARBIDE	
Guides	Int.	1983-85	Bronze Cast B338 C338	.276x.435x1.770	
	Exh.	1983-85	B339 C339	.275x.435x1.770	
Seals	Both	1983-85	BV1483-FO	.276x.433 "Viton" - "Poly" available	
Locks	Both	1983-85	059-211-067	Single-groove 7mm	
20 1770cc (1.8L) SOHC, GAS, CARB, VIN H, P, L18 1973-74				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1973-74	P2956	1.65x8mmx4.57	
		1973-74	P2956HP-C	1.73x8mmx4.57 - 2mm O/S	
	Exh.	1973-74	P2959	1.38x8mmx4.62	
		1973-74	P2959HP-C	1.49x8mmx4.62 - 3mm O/S	
Seats	Int.	1973-74	PC1812-50	1.812x.307x1.490/1.588 HI-CHROME	
		1973-74	M21812-50	" " " TUNGSTEN CARBIDE	
	Exh.	1973-74	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME	
		1973-74	M21500-54	" " " TUNGSTEN CARBIDE	
Guides	Exh.	1973-74	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE	
		1973-74	B213F	.315x.474x2.315 BRONZE	
	Both	1973-74	B212	.315x.474x2.315 BRONZE - O/S AVAILABLE	
		1973-74	C212	" " " " " " "	
		1973-74	B212 SPEC	.309x.474x2.315 BRONZE	
		1973-74	C7499	.315x.474x2.313	
Seals	Both	1973-74	AV7459-E1	.315x.472 "Viton" - "Poly" available	
Locks	Both	1973-74	059-819-050	Single-groove 8mm	
Springs	Both	1973-74	051-047	0.980x0.754 27LB@1.38 INNER	
21 1809cc (1.8L) SOHC, GAS, FI, VIN C, CA18E TURBO 1984-86				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1984-86	P3523	1.61x7mmx4.16	
	Exh.	1984-86	P3524	1.37x7mmx4.21	
Seats	Exh.	1984-86	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME	
		1984-86	M21500-54	" " " TUNGSTEN CARBIDE	
Guides	Int.	1984-86	Bronze Cast B338 C338	.276x.435x1.770	
	Exh.	1984-86	B339 C339	.275x.435x1.770	
Seals	Both	1984-86	BV1483-FO	.276x.433 "Viton" - "Poly" available	
Locks	Both	1984-86	059-211-059	Top-bead 7mm	

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22 1809cc (1.8L) DOHC, GAS, FI, VIN C, CA18DE 1988-89					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Exh.	1988-89	P3330	1.10x6mmx3.51		
Seats	Int.	1988-89	PC1500-74	1.500x.214x1.180/1.280 HI-CHROME		
	Exh.	1988-89	PC1250-56	1.250x.230x0.905/1.005 HI-CHROME		
Guides	Int. Exh.	1988-89	Bronze Cast B608 C608	.236x.395x1.580		
		1988-89	B563 C563	.237x.395x1.695		
		1988-89	B563+8	.237x.403x1.695		
Seals	Both	1988-89	BV3006-F0	.236x.394 "Viton" - "Poly" available		
23 1798cc 1997cc (1.8L) (2.0L) DOHC, MR18DE, MR20DE 2007-12					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.		P5271	1.33x5.5mmx4.18		
	Exh.		P5270	1.09x5.5mmx4.14		
Seals	Both	2007-11	UVO817-EO	.216x.376 "Viton" - "Poly" available		
24 1809cc (1.8L) DOHC, GAS, FI, QG18DE 2000-06					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	2000-06	PV2643	1.18x5.5mmx3.632		
	Exh.	2000-06	PV4650	0.98x5.5mmx3.640		
Seats	Int.	2000-06	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME		
	Exh.	2000-06	PC1062-50	1.062x.254x0.790 HI-CHROME		
Guides	Exh.	1991-99	B632	.217x.376x1.575 BRONZE		
	Both	1991-99	C8213	.217x.376x1.575		
Seals	Both	2000-06	UVO817-EO	.216x.376 "Viton" - "Poly" available		
Locks	Both	2000-06	059-211-064	Center-bead 6mm		
25 1952cc (2.0L) SOHC, GAS, CARB, VIN H, L20B 1974-80					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1974-80	P2956	1.65x8mmx4.57		
		1974-80	P2956HP-C	1.73x8mmx4.57 - 2mm O/S		
	Exh.	1974-80	P2959	1.38x8mmx4.62		
		1974-80	P2959HP-C	1.49x8mmx4.62 - 3mm O/S		
Seats	Int.	1974-80	PC1812-50	1.812x.307x1.490/1.588 HI-CHROME		
		1974-80	PC1812-52	1.812x.315x1.440/1.490 HI-CHROME		
		1974-80	M21812-52	" " " TUNGSTEN CARBIDE		
	Exh.	1974-80	PC1500-53	1.500x.307x1.180/1.241 HI-CHROME		
		1974-80	M21500-53	" " " TUNGSTEN CARBIDE		
		1974-80	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME		
Guides	Both	1974-80	B212	.315x.474x2.315 BRONZE - O/S AVAILABLE		
		1974-80	C212	" " "		
		1974-80	B212 SPEC	.309x.474x2.315 BRONZE		
		1974-80	C7499	.315x.474x2.313		
Seals	Both	1974-80	AV7459-E1	.315x.472 "Viton" - "Poly" available		
Locks	Both	1974-80	059-819-050	Single-groove 8mm		
Springs	Both	1974-80	051-047	0.980x0.754 27LB@1.38		

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26 121 C.I. (2.0L) SOHC, H20 FORKLIFT - INDUST. 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1687-1	1.687x.250x1.406 HI-CHROME
	Exh.	M21687-1	" " " TUNGSTEN CARBIDE
	Int.	PC1437-6	1.437x.312x1.125 HI-CHROME
	Exh.	M21437-6	" " " TUNGSTEN CARBIDE
Guides	Int.	C214	.343x.563x1.875
	Exh.	B215	.343x.564x2.208 BRONZE - O/S AVAILABLE
		C215	" " "
		C7498	.344x.565x2.200
27 121 C.I. (2.0L) SOHC, H20-2 FORKLIFT - INDUST. 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Guides	Exh.	C439	.275x.439x2.000
Seals	Both	1320753F00	BV1483-FO .276x.433 "Viton" - "Poly"
Locks	Both	1321001M01	059-211-059 Top-bead 7mm
28 1952cc (2.0L) SOHC, GAS, CARB, FI, VIN P, H, Z20E, Z20S 1980-81 2 VALVE L4			
PART	YEARS	PART NO.	NOTES
Valves	Int.	P3114	1.65x8mmx4.89
	Exh.	P3131	1.49x8mmx4.92
Seats	Int.	PC1812-54	1.812x.315x1.405/1.592 HI-CHROME
		M21812-54	" " " TUNGSTEN CARBIDE
	Exh.	PC1625-53	1.625x.300x1.255/1.437 HI-CHROME
Guides	Exh.	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE
		B213F	.315x.474x2.315 BRONZE
	Both	B212 SPEC	.315x.474x2.315 BRONZE
		B212	.315x.474x2.315 BRONZE - O/S AVAILABLE
		C212	" " "
		C7499	.315x.474x2.313
Seals	Both	AV7459-E1	.315x.472 "Viton" - "Poly" available
Locks	Both	059-819-050	Single-groove 8mm
Springs	Both	051-199	1.320dx1.00id* 34Lb.@1.75
29 1952cc (2.0L) SOHC, GAS, CARB, VIN F, Z20 1983-84 2 VALVE L4			
PART	YEARS	PART NO.	NOTES
Seats	Int.	PC1812-54	1.812x.315x1.405/1.592 HI-CHROME
		M21812-54	" " " TUNGSTEN CARBIDE
	Exh.	PC1625-53	1.625x.300x1.255/1.437 HI-CHROME
Guides	Exh.	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE
		B213F	.315x.474x2.315 BRONZE
	Both	B212 SPEC	.309x.474x2.315 BRONZE
		B212	.315x.474x2.315 BRONZE - O/S AVAILABLE
		C212	" " "
		C7499	.315x.474x2.313
Seals	Both	AV7459-E1	.315x.472 "Viton" - "Poly" available
Locks	Both	059-819-050	Single-groove 8mm
Springs	Both	051-199	1.320dx1.00id* 34Lb.@1.75

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30 1974cc (2.0L) SOHC, GAS, CARB, VIN H, CA20S 1982-83 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1982-83	P3236	1.57x7mmx4.20
	Exh.	1982-83	P3227	1.37x7mmx4.25
Seats	Exh.	1982-83 1982-83	PC1500-54 M21500-54	1.500x.307x1.180/1.325 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides			Bronze Cast	
	Int. Exh.	1982-83 1982-83	B338 C338 B339 C339	.276x.435x1.770 .275x.435x1.770
Seals	Both	1982-83	BV1483-FO	.276x.433 “Viton” - “Poly” available
Locks	Both	1982-83	059-211-059	Top-bead 7mm
31 1974cc (2.0L) SOHC, GAS, FI, VIN H, P, CA20E 1984-89 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1984-89 1984-89	P3258 P3227	1.61x7mmx4.21 1.37x7mmx4.25
	Seats	Exh.	1984-89 1984-89	PC1500-54 M21500-54
Guides			Bronze Cast	
	Int. Exh.	1984-89 1984-89	B338 C338 B339 C339	.276x.435x1.770 .275x.435x1.770
Seals	Both	1984-89	BV1483-FO	.276x.433 “Viton” - “Poly” available
Locks	Both	1984-89	059-211-059	Top-bead 7mm
32 1982cc (2.0L) OHC, U20, SRL311 ROADSTER 1967-70 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Int.	1967-70	B275	.343x.564x2.150 BRONZE - O/S AVAILABLE
	Exh.	1967-70	B276	.343x.564x2.150 BRONZE
	Other	1967-70	C275M	.341x.563x2.160
		1967-70	C276M	.341x.563x2.158
33 1998cc (2.0L) DOHC, GAS, FI, VIN B, G, SR20DE 1991-01 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1991-99	PV2645	1.34x6mmx3.99
	Exh.	1991-99	PV2645HP-C	1.37x6mmx3.99 - 1mm O/S
		1991-99	PV2644	1.18x6mmx4.02
		1991-99	PV2644HP-C	1.22x6mmx4.03 - 1mm O/S
Seats	Exh.	1991-01	PC1250-57	1.250x.212x0.982/1.102 HI-CHROME
Guides	Exh.	1991-01 1991-01	B8217 C8217	.236x.395x1.690 BRONZE “ “ “
	Seals	Both	1991-01	BV3006-F0
34 126 C.I. (2.1L) K21 FORKLIFT - 152 C.I. (2.5L) K25 - INDUST. 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Valves	Int.	13201-FY500	P5268	1.50x7mmx3.909
	Exh.	13202-FU400	P5269	1.26x7mmx3.909
Guides	Both	13212-FY500	C338 B338	.276x.435x1.770 “ “ “ BRONZE
Seals	Both	13207-53F00	BV1483-FO	.276x.433 “Viton” - “Poly” available
Locks	Both	1321016A00	059-211-067	Single-groove 7mm
Springs	Both	13203-FY50A	050-1505	1.190dx0.92id* 43Lb.@1.33

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35 2164cc (2.2L) OHV, DIESEL , FI, VIN S, SD22 1981-83				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seats	Int.	1981-83	PC1562-68	1.562x.256x1.300/1.370 HI-CHROME	
	Exh.	1981-83	PC1437-60	“ “ “ HI-CHROME	
36 132 C.I. (2.2L) SD22 FORKLIFT - INDUST.				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Guides	Both	13211V1700	B531	.315x.474x2.047 BRONZE	
			C531	“ “ “	
Seals	Both	1320781W00	AV7459-E1	.315x.472 “Viton” - “Poly” available	
37 2187cc (2.2L) SOHC, GAS, FI, CARB, VIN M, R, Z22, Z22E 1981-83				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1981-83	P3114	1.65x8mmx4.89	
	Exh.	1981-83	P3131	1.49x8mmx4.92	
Seats	Int.	1981-83	PC1812-54	1.812x.315x1.405/1.592 HI-CHROME	
		1981-83	M21812-54	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1981-83	PC1625-53	1.625x.300x1.255/1.437 HI-CHROME	
Guides	Int.	1981-83	B332	.314x.474x2.660 BRONZE - O/S AVAILABLE	
		1981-83	C332+8	.314x.482x2.660 - O/S AVAILABLE	
	Both	1981-83	B333	.315x.474x2.640 BRONZE - O/S AVAILABLE	
		1981-83	C333	“ “ “	
		1981-83	C7828	.315x.474x2.660	
Seals	Both	1981-83	AV7459-E1	.315x.472 “Viton” - “Poly” available	
Locks	Both	1981-83	059-819-050	Single-groove 8mm	
Springs	Both	1981-83	051-199	1.320dx1.00id* 34Lb.@1.75	
38 2389cc (2.4L) SOHC, GAS, CARB, FI, VIN N, S, Z24, Z24I 1983-89				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1983-89	P3114	1.65x8mmx4.89	
	Exh.	1983-89	P3131	1.49x8mmx4.92	
Seats	Int.	1983-89	PC1812-56	1.812x.266x1.535 HI-CHROME	
	Exh.	1983-89	PC1625-60	1.625x.293x1.250/1.408 HI-CHROME	
Guides	Int.	1983-89	B332	.314x.474x2.660 BRONZE - O/S AVAILABLE	
		1983-89	C332+8	.314x.482x2.660 - O/S AVAILABLE	
	Both	1983-89	B333	.315x.474x2.640 BRONZE - O/S AVAILABLE	
		1983-89	C333	“ “ “	
		1983-89	C7828	.315x.474x2.660	
Seals	Int.	1983-89	BV1483-FO	.276x.433 “Viton” - “Poly” available	
	Both	1983-89	AV7459-E1	.315x.472 “Viton” - “Poly” available	
Locks	Both	1983-89	059-819-050	Single-groove 8mm	
Springs	Both	1983-89	051-199	1.320dx1.00id* 34Lb.@1.75	
Timing sets		1983-89	PT34597	TIMING KIT	
39 146 C.I. (2.4L) SOHC, Z24 FORKLIFT - INDUST.				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Valves	Int.	13201N8501	P3114	1.65x8mmx4.89	
	Exh.	13202N8500	P3131	1.49x8mmx4.92	
Seats	Int.		PC1625-60	1.625x.293x1.250/1.408 HI-CHROME	
	Exh.		PC1812-56	1.812x.266x1.535 HI-CHROME	
Guides	Both	13213W0500	C333	.315x.474x2.640	
Seals	Both	1320781W00	AV7459-E1	.315x.472 “Viton” - “Poly” available	

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39 146 C.I. (2.4L) SOHC, Z24 FORKLIFT - INDUST. (CONT.)				2 VALVE L4
PART		OE#	PART NO.	NOTES
Locks	Both	13210UO100	059-819-050	Single-groove 8mm
Springs	Both	13203W0400	051-199	1.320dx1.00id* 34Lb.@1.75
40 2389cc (2.4L) SOHC, GAS, FI, VIN F, H, S, KA24E 1989-97				3 VALVE L4
PART		YEARS	PART NO.	NOTES
Valves	Int.	1989-97	PV2580	1.34x7mmx4.77
	Exh.	1989-97	PV2581	1.57x8mmx4.81
Seats	Int.	1989-97	PC1500-53	1.500x.307x1.180/1.241 HI-CHROME
		1989-97	M21500-53	“ “ “ TUNGSTEN CARBIDE
	Exh.	1989-97	PC1687-56	1.687x.295x1.375/1.475 HI-CHROME
Guides	Int.	1989-97	Bronze B515	Cast C515 .276x.435x2.070
		1989-97	C8211	.276x.435x2.070
	Exh.	1989-97	B520	C520 .315x.474x2.205
		1989-97	C8212	.315x.474x2.205
Seals	Int.	1989-94	BV1483-FO	.276x.433 “Viton” - “Poly” available
		1995-97	276435	.276x.435 “Viton”
	Exh.	1989-94	AV7367-VI	.315x.472 “Viton” - “Poly” available
		1995-97	AV7459-E1	.315x.472 “Viton” - “Poly” available
41 2389cc (2.4L) DOHC, GAS, FI, VIN A, B, D, M, KA24DE 1991-04				4 VALVE L4
PART		YEARS	PART NO.	NOTES
Valves	Int.	1991-98	PV2647	1.44x7mmx3.99
		1998-04	P5074	1.44x7mmx3.98
			P5242	1.44x7mmx3.91
	Exh.	1991-98	PV2646	1.23x7mmx3.89
		1998-04	PS5075	1.23x7mmx3.88
			P5243X	1.23x7mmx3.81
Seats	Int.	1991-00	PC1500-74	1.500x.214x1.180/1.280 HI-CHROME
	Exh.	1991-00	PC1312-52	1.312x.240x1.060/1.087 HI-CHROME
Guides	Int.	1991-04	Bronze B515	Cast C515 .276x.435x2.070
	Exh.	1991-04	B637	C637 .275x.435x1.560
Seals	Both	1991-95	BV1483-FO	.276x.433 “Viton” - “Poly” available
		1996-04	276435	.276x.435 “Viton”
42 2393cc (2.4L) SOHC, GAS, FI, VIN H, L24E 1977-84				2 VALVE L6
PART		YEARS	PART NO.	NOTES
Valves	Int.	1977-84	P2956	1.65x8mmx4.57
		1977-84	P2956HP-C	1.73x8mmx4.57 - 2mm O/S
	Exh.	1977-84	P2959	1.38x8mmx4.62
		1977-84	P2959HP-C	1.49x8mmx4.62 - 3mm O/S
Seats	Int.	1977-84	PC1750-52	1.750x.307x1.455/1.595 HI-CHROME
	Exh.	1977-84	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME
		1977-84	M21500-54	“ “ “ TUNGSTEN CARBIDE
Guides	Exh.	1977-84	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE
		1977-84	B213F	.315x.474x2.315 BRONZE
	Both	1977-84	B212 SPEC	.309x.474x2.315 BRONZE
		1977-84	B212	.315x.474x2.315 BRONZE - O/S AVAILABLE
		1977-84	C212	“ “ “
		1977-84	C7499	.315x.474x2.313
Seals	Both	1977-84	AV7459-E1	.315x.472 “Viton” - “Poly” available

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42 2393cc (2.4L) SOHC, GAS, FI, VIN H, L24E 1977-84 (CONT.)				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Locks	Both	1977-84	059-819-050	Single-groove 8mm	
Springs	Both	1977-84	051-047	0.980x0.754 27LB@1.38 INNER	
Timing sets		1977-84	PT34558	TIMING KIT	
43 2488cc (2.5L) OHV, DIESEL , FI, VIN J, SD25 1983-87				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Exh.	1983-87	PC1500-70	1.500x.283x1.203 HI-CHROME	
Guides	Both	1983-87	B531	.315x.474x2.047 BRONZE	
		1983-87	C531	“ “ “	
Seals	Both	1983-87	AV7459-E1	.315x.472 “Viton” - “Poly” available	
44 151 C.I. (2.5L) H25 FORKLIFT - INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Guides	Exh.		C439	.275x.439x2.000	
Seals	Both	1320753F00	BV1483-FO	.276x.433 “Viton” - “Poly” available	
Locks	Both	1321001M01	059-211-059	Top-bead 7mm	
Springs	Both	1320250K00	050-813	1.050dx0.77id* 31Lb.@1.56	
45 153 C.I. (2.5L) OHV, SD25 FORKLIFT - INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Exh.		PC1500-70	1.500x.283x1.203 HI-CHROME	
Guides	Both	13211V1700	B531	.315x.474x2.047 BRONZE	
			C531	“ “ “	
Seals	Both	1320781W00	AV7459-E1	.315x.472 “Viton” - “Poly” available	
46 2500cc (2.5L) DOHC, ELECTRIC/GAS, GAS, FI, QR25DE 2002-09				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2002-07	P5132	1.40x6mmx3.82	
	Exh.	2002-07	P5131	1.20x6mmx3.89	
Guides	Int.	2002-09	B8216	.236x.395x1.690 BRONZE	
	Exh.	2002-09	B8217	.236x.395x1.690 BRONZE	
		2002-09	C8217	“ “ “	
Seals	Both	2002-09	BV3006-F0	.236x.394 “Viton” - “Poly” available	
Locks	Both	2002-09	059-211-064	Center-bead 6mm	
47 2565cc (2.6L) SOHC, GAS, CARB, VIN R, L26 1974-74				2 VALVE	L6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1974-74	P2956	1.65x8mmx4.57	
		1974-74	P2956HP-C	1.73x8mmx4.57 - 2mm O/S	
	Exh.	1974-74	P2959	1.38x8mmx4.62	
		1974-74	P2959HP-C	1.49x8mmx4.62 - 3mm O/S	
Seats	Int.	1974-74	PC1750-52	1.750x.307x1.455/1.595 HI-CHROME	
	Exh.	1974-74	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME	
		1974-74	M21500-54	“ “ “ TUNGSTEN CARBIDE	
Guides	Exh.	1974-74	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE	
		1974-74	B213F	.315x.474x2.315 BRONZE	
	Both	1974-74	B212 SPEC	.309x.474x2.315 BRONZE	
		1974-74	B212	.315x.474x2.315 BRONZE - O/S AVAILABLE	
		1974-74	C212	“ “ “	
		1974-74	C7499	.315x.474x2.313	

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47 2565cc (2.6L) SOHC, GAS, CARB, VIN R, L26 1974-74 (CONT.)					2 VALVE	L6	
PART		YEARS	PART NO.	NOTES			
Seals	Both	1974-74	AV7459-E1	.315x.472 “Viton” - “Poly” available			
Locks	Both	1974-74	059-819-050	Single-groove 8mm			
Springs	Both	1974-74	051-047	0.980x0.754 27LB@1.38			
48 2753cc (2.8L) SOHC, GAS, FI, VIN H, L28E, VIN C, L28E TURBO 1975-83					2 VALVE	L6	
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1975-80	P3003	1.73x8mmx4.57			
		1981-83	P3238	1.73x8mmx4.50			
	Exh.	1975-80	P2959	1.38x8mmx4.62			
		1981-83	P3229	1.37x8mmx4.53			
Seats	Int.	1975-83	PC1812-51	1.812x.307x1.530/1.670 HI-CHROME			
		1975-83	M21812-51	“ “ “ TUNGSTEN CARBIDE			
	Exh.	1975-83	PC1500-54	1.500x.307x1.180/1.325 HI-CHROME			
		1975-83	M21500-54	“ “ “ TUNGSTEN CARBIDE			
Guides	Exh.	1975-83	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE			
		1975-83	B213F	.315x.474x2.315 BRONZE			
	Both	1975-83	B212 SPEC	.309x.474x2.315 BRONZE			
		1975-83	B212	.315x.474x2.315 BRONZE - O/S AVAILABLE			
		1975-83	C212	“ “ “			
		1975-83	C7499	.315x.474x2.313			
Seals	Both	1975-83	AV7459-E1	.315x.472 “Viton” - “Poly” available			
Locks	Both	1975-83	059-819-050	Single-groove 8mm			
Springs	Both	1975-83	051-047	0.980x0.754 27LB@1.38 INNER			
		1975-83	053-308-872	1.380dx0.79id*097Lb.@1.70			
Timing sets		1975-83	PT34558	TIMING KIT			
49 2793cc (2.8L) SOHC, DIESEL, FI, VIN S, LD28 1981-83					2 VALVE	L6	
PART		YEARS	PART NO.	NOTES			
Seats	Int.	1981-83	PC1687-53	1.687x.309x1.338/1.436 HI-CHROME			
	Exh.	1981-83	PC1437-61	1.437x.310x1.162 HI-CHROME			
Guides	Exh.	1981-83	B213	.315x.474x2.315 BRONZE - O/S AVAILABLE			
		1981-83	B213F	.315x.474x2.315 BRONZE			
	Both	1981-83	B212 SPEC	.309x.474x2.315 BRONZE			
		1981-83	B212	.315x.474x2.315 BRONZE - O/S AVAILABLE			
		1981-83	C212	“ “ “			
		1981-83	C7499	.315x.474x2.313			
Seals	Both	1981-83	AV7459-E1	.315x.472 “Viton” - “Poly” available			
Locks	Both	1981-83	059-819-050	Single-groove 8mm			
Timing sets		1981-83	PT34558	TIMING KIT			
50 182 C.I. (3.0L) H30 FORKLIFT - INDUST.					2 VALVE	L4	
PART		OE#	PART NO.	NOTES			
Seats	Int.		PC1687-1	1.687x.250x1.406 HI-CHROME			
			M21687-1	“ “ “ TUNGSTEN CARBIDE			
	Exh.		PC1437-6	1.437x.312x1.125 HI-CHROME			
			M21437-6	“ “ “ TUNGSTEN CARBIDE			
Guides	Int.	1321258001	Bronze Cast				
			C214	.343x.563x1.875			
	Exh.		1321358001	B215	.343x.564x2.208 - O/S AVAILABLE		
				C215			
			C7498	.344x.565x2.200			

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51 2960cc (3.0L) SOHC, GAS, FI, VIN C, VG30T TURBO 1984-89					2 VALVE	V6
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1984-89	P3285	1.65x7mmx4.94		
		1984-89	P3285HP-C	1.69x7mmx4.95 - 1mm O/S		
	Exh.	1984-89	P3286	1.37x8mmx4.90		
		1984-89	P3286HP-C	1.41x8mmx4.90 - 1mm O/S		
Seats	Int.	1984-89	PC1812-55	1.812x.278x1.500/1.555 HI-CHROME		
	Exh.	1984-89	PC1500-68	1.500x.293x1.179/1.287 HI-CHROME		
		1984-89	M21500-68	“ “ “ TUNGSTEN CARBIDE		
Guides	Int.	1984-89	Bronze Cast			
			B334 C334	.275x.434x2.320 - O/S AVAILABLE		
	Exh.	1984-89	B334+8 C334+8	.275x.442x2.320		
		1984-89	B335 C335	.316x.474x2.500		
Seals	Int.	1984-89	BV1483-FO	.276x.433 “Viton” - “Poly” available		
	Exh.	1984-89	AV7459-E1	.315x.472 “Viton” - “Poly” available		
Locks	Both	1984-89	059-211-059	Top-bead 7mm		
52 2960cc (3.0L) SOHC, GAS, FI, VIN I, H, W, VG30, VG30E, VG30I 1984-98					2 VALVE	V6
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1984-98	P3285	1.65x7mmx4.94		
		1984-98	P3285HP-C	1.69x7mmx4.95 - 1mm O/S		
	Exh.	1984-95	P3286	1.37x8mmx4.90		
		1984-95	P3286HP-C	1.41x8mmx4.90 - 1mm O/S		
Seats	Int.	1984-98	PC1812-55	1.812x.278x1.500/1.555 HI-CHROME		
	Exh.	1984-98	PC1500-68	1.812x.278x1.500/1.555 HI-CHROME		
		1984-98	M21500-68	“ “ “ TUNGSTEN CARBIDE		
Guides	Int.	1984-98	Bronze Cast			
			B334 C334	.275x.434x2.320 - O/S AVAILABLE		
	Exh.	1984-98	B334+8 C334+8	.275x.442x2.320		
		1984-98	B335 C335	.316x.474x2.500		
Seals	Int.	1984-94	276435	.276x.435		
	Exh.	1994-98	BV1483-FO	.276x.433 “Viton” - “Poly” available		
		1984-98	AV7459-E1	.315x.472 “Viton” - “Poly” available		
Locks	Both	1984-98	059-211-059	Top-bead 7mm		
53 2960cc (3.0L) DOHC, GAS, FI, VIN R, VG30DE, VIN C, VG30DETT TURBO 1990-96					4 VALVE	V6
PART	YEARS	PART NO.	NOTES			
Valves	Int.	1990-96	P3868	1.34x6mmx4.06		
		1990-96	P3868HP-C	1.37x6mmx4.06 - 1mm O/S		
	Exh.	1990-96	P3870	1.16x6mmx4.08		
		1990-96	P3870HP-C	1.20x6mmx4.08 - 1mm O/S		
Seats	Int.	1990-96	PC1500-77	1.500x.236x1.175/1.235 HI-CHROME		
	Exh.	1990-96	PC1312-63	1.312x.235x0.965/1.075 HI-CHROME		
Guides	Int.	1990-96	Bronze Cast			
			B537 C537	.236x.395x1.815		
	Exh.	1990-96	C8543	.236x.395x1.815		
		1990-96	B536 C536	.236x.395x1.940		
Seals	Both	1990-96	BV3006-F0	.236x.394 “Viton” - “Poly” available		

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54 2960cc (3.0L) DOHC, GAS, FI, VIN E, VE30DE 1992-94 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1992-94 1992-94	PC1500-77 PC1312-52	1.500x.236x1.175/1.235 HI-CHROME 1.312x.240x1.060/1.087 HI-CHROME
Guides	Int. Exh.	1992-94 1992-94 1992-94	Bronze Cast B537 C8543 B536 C536	.236x.395x1.815 .236x.395x1.815 .236x.395x1.940 - O/S AVAILABLE
Seals	Both	1992-94	BV3006-F0	.236x.394 "Viton" - "Poly" available
55 2988cc (3.0L) DOHC, GAS, FI, VIN C, VQ30DE 1995-01 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1995-01 1995-01 1995-01 1995-01	PC1687-1 M21687-1 PC1437-6 M21437-6	1.687x.250x1.406 HI-CHROME " " " TUNGSTEN CARBIDE 1.437x.312x1.125 HI-CHROME " " " TUNGSTEN CARBIDE
Guides	Int. Exh.	1995-01 1995-01	Bronze Cast B608 C608 B8217 C8217	.236x.395x1.580 .236x.395x1.690
Seals	Both	1995-01	BV3006-F0	.236x.394 "Viton" - "Poly" available
Locks	Both	1995-01	059-211-064	Center-bead 6mm
56 3275cc (3.3L) SOHC, GAS, FI, VIN A, VG33E, VG33ER SUPERCHARGED 1996-04 2 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1996-04 1996-04 1996-04 1996-04	P3285 P3285HP-C P3286 P3286HP-C	1.65x7mmx4.94 1.69x7mmx4.95 - 1mm O/S 1.37x8mmx4.90 1.41x8mmx4.90 - 1mm O/S
Seats	Int. Exh.	1996-04 1996-04 1996-04	PC1812-55 PC1500-68 M21500-68	1.812x.278x1.500/1.555 HI-CHROME 1.500x.293x1.179/1.287 HI-CHROME " " " TUNGSTEN CARBIDE
Guides	Int. Exh.	1996-04 1996-04	Bronze Cast B334 C334 B335 C335	.275x.434x2.320 - O/S AVAILABLE .316x.474x2.500
Seals	Int. Exh.	1996-04 1996-04	276435 AV7459-E1	.276x.435 .315x.472 "Viton" - "Poly" available
Locks	Both	1996-04	059-211-059	Top-bead 7mm
57 199 C.I. (3.3L) SD33 FORKLIFT - INDUST. 2 VALVE L6				
PART		OE#	PART NO.	NOTES
Guides	Both	13211V1700	B531 C531	.315x.474x2.047 BRONZE " " "
58 3498cc (3.5L) DOHC, GAS, FI, VIN A, VQ35DE 2001-12 4 VALVE V6 3954cc (4.0L) DOHC, GAS, FI, VQ40DE 2005-09 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	2001-09 2001-09	P5214 P5213	1.46x6mmx3.798 1.23x6mmx3.702
Guides	Int, Exh.	2001-12 2001-12	Bronze Cast B608 C608 B8217 C8217	.236x.395x1.580 .236x.395x1.690
Seals	Both	2001-12	BV3006-F0	.236x.394 "Viton" - "Poly" available
Locks	Both	2001-12	059-211-064	Center-bead 6mm

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59	3498cc (3.5L) DOHC, GAS, FI, VQ35HR 2007-09	4 VALVE	V6
	3696cc (3.7L) DOHC, GAS, FI, VQ37VHR 2009-12	4 VALVE	V6

PART	YEARS	PART NO.	NOTES
Seals	Both	2001-09	BV3006-F0
Locks	Both	059-211-064	Center-bead 6mm

60	254 C.I. (4.2L) TB42 FORKLIFT - INDUST.	2 VALVE	L6
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PART	OE#	PART NO.	NOTES
Seals	Both	13207-81WOO	AV7459-E1
Locks	Both	13210-U0100	059-819-050
Springs	Both	13203-W0400	051-199

61	273 C.I. (4.5L) TB45 FORKLIFT - INDUST.	2 VALVE	L6
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PART	OE#	PART NO.	NOTES
Locks	Both	13210-U0100	059-819-050
Seals	Both	13207-42L00	AV7459-E1
		13207-40F00	AV7367-VI

62	4494cc (4.5L) DOHC, VH45DE, VIN N 1990-96	4 VALVE	V8
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PART	YEARS	PART NO.	NOTES
Seats	Exh.	1990-96	PC1375-60
Guides	Int.	1990-96	Bronze B521
	Exh.	1990-96	Cast C521
			C633
Seals	Int.	1990-96	BV1483-FO
	Exh.	1990-96	AV7367-VI

63	5552cc (5.6L) DOHC, FLEX, GAS, FI, VK56DE 2004-13	4 VALVE	V8
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PART	YEARS	PART NO.	NOTES
Valves	Int.	2004-12	P5214
	Exh.	2004-12	P5213
Guides	Int.	2004-12	Bronze B608
	Exh.	2004-12	Cast C608
			B8217 C8217
Seals	Both	2004-12	BV3006-F0
Locks	Both	2004-12	059-211-064



2013 Nissan Xterra (4.0L) DOHC, 4 VALVE V6

NORTON (M/C)

1 VALVE GUIDES				
PART		APPLICATION	PART NO.	NOTES
Guides	Int.	850CC	N850I	.314x.626x2.014
	Exh.	850CC	N850E	.314x.626x2.015

PEUGEOT

1 MISCELLANEOUS					
PART			APPLICATION	PART NO.	NOTES
Valves	Int.	8mm	1905CC, 405 FORKLIFT, L4S	P4388	1.51x8mmx4.42
Guides	Both	7mm	1.9L, L4D, 4V	B579	.276x.475x1.580
	Both	8mm	1.8/2.3L, L4	B581	.314x.552x2.180 - O/S AVAILABLE
	Int.	8mm	1.9L, XUJ2	B573	.315x.514x1.525 - O/S AVAILABLE
	Exh.	8mm	1.9L, 2V, L4S	B580	.315x.514x1.770
		8mm	2.2L, L4D	B574+6	.315x.520x1.925
	Both	8.5mm	DSL, 2.5L, L4	B298	.335x.553x2.150 - O/S AVAILABLE
	Both	9mm	2.1L, L4S	B346	.354x.590x2.200
Seals	Both	7mm	1.9L, L4S	12015602	.275x.385 "Poly" (YEARS 1989-91)
		8mm	1.6/2.8L	12012889	.315x.425 "Teflon" (YEARS 1968-91)

PORSCHE

1 MISCELLANEOUS					
PART			APPLICATION	PART NO.	NOTES
Guides	Both	6mm	3.6L, 911GT3K	B698	.233x.415x1.650
		7mm	928/944, 4V	B340	.275x.435x1.725 - O/S AVAILABLE
	Int.	8mm	917, H4	B206	.314x.476x2.515
	Int.	8mm	993, H6	B694INT	.315x.514x2.170
	Both	8mm	911/993, H6	B694	.315x.514x2.200
		8mm	914, 2.0L, 8MM	B205B 8MM	.315x.594x2.200 - O/S AVAILABLE
	Int.	9mm	935/962	B692	.352x.513x2.010
	Exh.	9mm	935/962	B691	.352x.554x1.860
	Exh.	9mm	935/962	B691 SPECIAL	.352x.5705x1.86
	Both	9mm	911, H6	B203	.353x.514x2.000 - O/S AVAILABLE
	Both	9mm		B203F	.353x.514x2.080 - FLANGED - O/S AVAILABLE
	Exh.	9mm	2.0L, H4	B205B	.353x.594x2.200 - O/S AVAILABLE
	Both	9mm	928/944	B309	.354x.514x1.590 - O/S AVAILABLE
	Int.	9mm	2.0L, 924T	B330	.354x.553x2.162
	Int.	9mm	924, 2.0L	B223	.354x.553x2.195 - O/S AVAILABLE
	Exh.	9mm	2.0L, 924T	B331	.354x.553x2.362
	Exh.	9mm	2.0L, 924	B224	.354x.553x2.400 - O/S AVAILABLE
	Both	10mm	356/912	B204	.393x.554x2.500 - O/S AVAILABLE
	Both	10mm	356/912	B204B	.393x.596x2.750
Seals	Both	7mm	928/944 4V	12015153	.276x.386 "Viton"

ROLLS ROYCE

1 VALVE GUIDES				
PART		SIZES	PART NO.	NOTES
Guides	Int.	3/8	B324	.372x.627x2.050 - O/S AVAILABLE
	Exh.	3/8	B325	.372x.628x2.400 - O/S AVAILABLE

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1 1985cc (2.0L) SOHC, GAS, CARB, VIN B, 201, TURBO 1973-89				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1973-89	PC1750-65	1.750x.276x1.468 HI-CHROME	
	Exh.	1973-89	PC1500-70	1.500x.283x1.203 HI-CHROME	
Guides	Both	1973-89	B279S	.315x.514x1.925 BRONZE - O/S AVAILABLE	
		1973-89	B327	.314x.513x1.835 BRONZE - O/S AVAILABLE	
		1973-89	C327	“ “ “	
Seals	Both	1973-89	UVO702-EO	.315x.551 “Viton”	
2 1985cc (2.0L) DOHC, GAS, FI, VIN 3, D, J, B202I 1973-90				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1973-90	PC1750-65	1.750x.276x1.468 HI-CHROME	
	Exh.	1973-90	PC1500-70	1.500x.283x1.203 HI-CHROME	
Guides	Both	1973-90	B507	.275x.474x1.940 BRONZE - O/S AVAILABLE	
		1973-90	C507	“ “ “	
		1973-90	B575	.275x.474x1.800 BRONZE	
Seals	Both	1973-90	12015153	.276x.386 “Viton”	
		1973-90	32474	.342x.531 “Viton”	
		1973-90	59553	.315x.512 “Viton”	

SAAB

3 1985cc (2.0L) DOHC, GAS, FI, VIN L, B202L TURBO 1986-93 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seats	Int. Exh.	1986-93 1986-93	PC1375-51 PC1312-68	1.375x.280x1.060/1.150 HI-CHROME 1.312x.280x0.976 HI-CHROME
Guides	Both	1986-93 1986-93 1986-93	B507 C507 B575	.275x.474x1.940 BRONZE - O/S AVAILABLE “ “ “ .275x.474x1.800 BRONZE
Seals	Both	1986-93	12015153	.276x.386 “Viton”
4 1985cc (2.0L) DOHC, GAS, FI, VIN Y, B207L, B207R 2003-09 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	2003-09 2003-09	B3029 C3029	.236x.395x1.420 BRONZE “ “ “
Seals	Both	2003-09	234395	.234x.395 “Viton”
Locks	Both	2003-09	059-236-6MM	3 Round-bead 6mm
Springs	Both	2003-09	050-1508	1.020dx0.72id* 59Lb.@1.28
5 1994cc (2.0L) DOHC, GAS, FI, EJ205 TURBO SUBARU 2005-05 4 VALVE H4 2458cc (2.5L) DOHC, GAS, FI, EJ255 SUBARU 2006-06				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	2005-05 2005-05	P5218N P5217XN	1.41x6mmx4.11 - NITRIDED 1.26x6mmx4.12 - NITRIDED
Guides	Both	2005-05 2005-05	B8203 C8203	.235x.436x2.065 BRONZE - O/S AVAILABLE “ “ “
Seals	Int. Exh. Both	2005-05 2005-05 2005-05 2005-05	C3118 C3119 236431 BV1883-IO	.236x.436x1.556 .236x.436x1.872 .236x.431 “Viton” .236x.433 “Viton” - “Poly” available
6 2290cc (2.3L) DOHC 1990-09 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	1990-09	B415	.196x.475x1.685 BRONZE
7 2458cc (2.5L) SOHC, GAS, FI, EJ253, SUBARU , VIN 6, EJ251/2 1999-06 4 VALVE H4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1999-06 1999-06	P5146 P5147	1.41x6mmx4.74 1.24x6mmx4.79
Guides	Both	1999-06 1999-06	B8203 C8203	.235x.436x2.065 BRONZE - O/S AVAILABLE “ “ “
Seals	Both	1999-06 1999-06	236431 BV1883-IO	.236x.431 “Viton” .236x.433 “Viton” - “Poly” available
8 2498cc (2.5L) DOHC, GAS, FI, VIN V, B258I “ ECOTEC ” 1994-97 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1994-97 1994-97	PV4630 PV4632	1.26x6mmx4.02 1.14x6mmx3.63
Guides	Int. Exh.	1994-97 1994-97 1994-97 1994-97	C3010 C3011 B688+1 C688+1	.236x.395x1.773 - O/S AVAILABLE .236x.395x1.378 - O/S AVAILABLE .235x.396x1.380 BRONZE “ “ “
Seals	Both	1994-97	235347	.235x.347 “Viton”

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9 2461cc (3.0L) DOHC, GAS, FI, VIN W, B308I 1995-97				4 VALVE	V6
2961cc (3.0L) DOHC, GAS, FI, VIN Z, B308E TURBO 1999-03				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1995-03 1995-03	PV4630 PV4632	1.26x6mmx4.02 1.14x6mmx3.63	
Guides	Int. Exh.	1995-03 1995-03 1995-03 1995-03 1995-03 1995-03	C3010 B689+1 B689+1LSP C689+2 C3011 B688+1 B688+1LSP C688+1	.236x.395x1.773 - O/S AVAILABLE .235x.396x1.770 BRONZE (LSP = LONG SEAL) .235x.397x1.770 .236x.395x1.378 - O/S AVAILABLE .235x.396x1.380 BRONZE (LSP = LONG SEAL) " " "	
Seals	Both	1995-03	235347	.235x.347 "Viton"	
Locks	Both	1995-03	059-236-6MM	3 Round-bead 6mm	
10 2792cc (2.8L) DOHC, GAS, FI, VIN J, R, U, A28NER, B284, B284R, GM LP9 2006-11				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Guides	Both	2006-11	C3112	.236x.435x1.655	
Seals	Both	2006-11	235436	.235x.436 "Viton"	
Locks	Both	2006-11	059-211-127	Center-bead 6mm	
Springs	Both	2006-11	050-1588	1.03odx0.71id* 58Lb.@1.37	
11 256 C.I. (4.2L) DOHC, GAS, FI, VIN S, GM VORTEC 2006-09				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2006-09 2006-09	P5190 P5191	1.52x6mmx4.16 1.32x6mmx4.25	
Guides	Both	2006-09 2006-09	B681 C8556	.234x.436x1.730 BRONZE .235x.436x1.735	
Seals	Both	2006-09	235434	.235x.434 "Viton"	
Locks	Both	2006-09	059-236-6MM	3 Round-bead 6mm	
12 325 C.I. (5.3L) OHV, GAS, FI, VIN M, GM VORTEC 2006-09				2 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2006-07 2008-09 2006-09	PV4592 P5012 PV4593	1.89x8mmx4.86 2.00x8mmx4.86 1.55x8mmx4.91	
Seats	Int. Exh.	2006-09 2006-09 2006-09	PC2062-50 PC1625-64 M21625-64	2.062x.420x1.750 HI-CHROME 1.625x.420x1.335/1.387 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides	Both	2006-09 2006-09	B3053 C3053	.315x.500x2.115 BRONZE - O/S AVAILABLE " " " - O/S AVAILABLE	
Seals	Int. Exh.	2006-09 2006-09	UV6016-A0 UV6017-A0	.315x.500 "Viton" - "Poly" available .315x.500 "Viton"	
Locks	Both	2006-09	059-859-100	Center-bead 8mm	
Springs	Both	2006-09	050-1488	1.25odx0.84id* 94Lb.@1.80	
Pushrods	Both	2006-09	11H852B	7.400x5/16	

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13 364 C.I. (6.0L) OHV, GAS, FI, VIN H, GM VORTEC 2008-09 2 VALVE V8				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2008-09	P5012	2.00x8mmx4.86
	Exh.	2008-09	PV4593	1.55x8mmx4.91
Seats	Int.	2008-09	PC2062-51	2.062x.390x1.750/1.810 HI-CHROME
	Exh.	2008-09	PC1625-64	1.625x.420x1.335/1.387 HI-CHROME
		2008-09	M21625-64	" " "
Guides	Both	2008-09	B3053	.315x.500x2.115 BRONZE - O/S AVAILABLE
		2008-09	C3053	" " " - O/S AVAILABLE
Seals	Int.	2008-09	UV6016-A0	.315x.500 "Viton" - "Poly" available
	Exh.	2008-09	UV6017-A0	.315x.500 "Viton"
Locks	Both	2008-09	059-859-100	Center-bead 8mm
Springs	Both	2008-09	050-1488	1.25odx0.84id* 94Lb.@1.80
Pushrods	Both	2008-09	11H852B	7.400x5/16

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1	1189cc (1.2L) SOHC, GAS, CARB, FI, VIN 7, 8, EF12, FI 1987-94	3 VALVE	L3
2	1361cc (1.4L) OHV, EA63 1973-76 - 1595cc (1.6L) EA71 1975-82	2 VALVE	H/L4
3	1595cc (1.6L) OHV, GAS, CARB, VIN 2, 3, 4, 5, EA81, FI TURBO 1976-87	2 VALVE	H4
4	1781cc (1.8L) SOHC, GAS, FI, VIN 4, 5, 7, EA82 1985-89	2 VALVE	H4
5	1781cc (1.8L) SOHC, GAS, FI, VIN 4, 5, 7, EA82 TURBO , EA82S 1985-94	2 VALVE	H4
6	1781cc (1.8L) SOHC, GAS, FI, VIN 1, 2, EJ18E 1993-97	4 VALVE	H4
7	1994cc (2.0L) DOHC, GAS, FI, 205/EJ20 TURBO 2002-05	4 VALVE	H4
8	2212cc (2.2L) SOHC, GAS, FI, VIN 6, EJ22 TURBO 1991-94	4 VALVE	H4
9	2212cc (2.2L) SOHC, GAS, FI, VIN 3, 4, 6, EJ222, EJ223, EJ22E, EJ22EZ 1990-01	4 VALVE	H4
10	2458cc (2.5L) SOHC, GAS, FI, VIN 6, EJ251, EJ252, EJ253, EJ259 1999-09	4 VALVE	H4
11	2458cc (2.5L) DOHC, GAS, FI, VIN 6, EJ25D 1996-99	4 VALVE	H4
12	2458cc (2.5L) DOHC, GAS, FI, EJ255, EJ257 TURBO 2004-09	4 VALVE	H4
13	2672cc (2.7L) SOHC, GAS, FI, VIN 8, 9, ER27 1988-91	2 VALVE	H6
14	3318cc (3.3L) DOHC, GAS, FI, VIN 3, 8, EG33D 1992-97	4 VALVE	H6

1	1189cc (1.2L) SOHC, GAS, CARB, FI, VIN 7, 8, EF12, FI 1987-94			3 VALVE	L3
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1987-94	PC1250-59	1.250x.329x0.982 HI-CHROME	
	Exh.	1987-94	PC1437-65	1.437x.322x1.105 HI-CHROME	
		1987-94	M21437-65	“ “ “ TUNGSTEN CARBIDE	
Guides			Bronze Cast		
	Int.	1987-94	B583 C583	.276x.476x2.166	
	Exh.	1987-94	B584 C584	.275x.476x2.325 - O/S AVAILABLE	
Seals	Int.	1987-94	AV7245-Q1	.276x.472 “Viton” - LONG	
	Exh.	1987-94	AV8192-PO	.276x.472 “Viton” - SHORT	
2	1361cc (1.4L) OHV, EA63 1973-76 - 1595cc (1.6L) EA71 1975-82			2 VALVE	H/L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1973-82	PV2348	1.43x8mmx4.27	
	Exh.	1973-76	PV2349	1.28x8mmx4.30 - EA63 ONLY	
Seats	Int.	1973-76	PC1625-51	1.625x.280x1.312 HI-CHROME - EA63 ONLY	
		1975-82	PC1812-52	1.812x.315x1.440/1.490 HI-CHROME - EA71 ONLY	
		1975-82	M21812-52	“ “ “ TUNGSTEN CARBIDE - “ “	
	Exh.	1975-82	PC1500-58	1.500x.315x1.200/1.220 HI-CHROME - EA71 ONLY	
Guides	Both	1975-82	B304	.315x.514x2.320 BRONZE	
		1975-82	C8143	.315x.514x2.320	

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3 1595cc (1.6L) OHV, GAS, CARB, VIN 2, 3, 4, 5, EA81, FI TURBO 1976-87					2 VALVE	H4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1976-87	P3273		1.62x8mmx4.31	
	Exh.	1976-87	P3235		1.38x8mmx4.30	
Seats	Int.	1976-87	PC1812-52		1.812x.315x1.440/1.490 HI-CHROME	
		1976-87	M21812-52		“ “ “ TUNGSTEN CARBIDE	
	Exh.	1976-87	PC1500-58		1.500x.315x1.200/1.220 HI-CHROME	
Guides	Both		Bronze	Cast		
		1976-87	B254	C254	.315x.514x2.375 - O/S AVAILABLE	
		1976-87	B304	C8143	.315x.514x2.320	

4 1781cc (1.8L) SOHC, GAS, FI, VIN 4, 5, 7, EA82 1985-89					2 VALVE	H4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1985-89	PC1812-52		1.812x.315x1.440/1.490 HI-CHROME	
		1985-89	M21812-52		“ “ “ TUNGSTEN CARBIDE	
	Exh.	1985-89	PC1500-58		1.500x.315x1.200/1.220 HI-CHROME	
Guides	Int.		Bronze	Cast		
		1985-89	B583	C583	.276x.476x2.166	
		1985-89	B584	C584	.275x.476x2.325 - O/S AVAILABLE	
Lifters	Both	1985-89	VLA120		HYDRAULIC	

5 1781cc (1.8L) SOHC, GAS, FI, VIN 4, 5, 7, EA82 TURBO , EA82S 1985-94					2 VALVE	H4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1985-94	PC1812-52		1.812x.315x1.440/1.490 HI-CHROME	
		1985-94	M21812-52		“ “ “ TUNGSTEN CARBIDE	
	Exh.	1985-94	PC1500-58		1.500x.315x1.200/1.220 HI-CHROME	
Guides	Int.		Bronze	Cast		
		1985-94	B583	C583	.276x.476x2.166	
		1985-94	B584	C584	.275x.476x2.325 - O/S AVAILABLE	
Seals	Int.	1985-94	AV7245-Q1		.276x.472 “Viton” - LONG	
	Exh.	1985-94	AV8192-PO		.276x.472 “Viton” - SHORT	
Lifters	Both	1985-94	VLA120		HYDRAULIC	

6 1781cc (1.8L) SOHC, GAS, FI, VIN 1, 2, EJ18E 1993-97					4 VALVE	H4
PART		YEARS	PART NO.		NOTES	
Guides	Both	1993-97	B8203		.235x.436x2.065 BRONZE - O/S AVAILABLE	
		1993-97	C8203		“ “ “	
Seals	Both	1993-97	236431		.236x.431 “Viton”	
		1993-97	AV8192-PO		.276x.472 “Viton”	
Lifters	Both	1993-97	VLA114		HYDRAULIC	

7 1994cc (2.0L) DOHC, GAS, FI, 205/EJ20 TURBO 2002-05					4 VALVE	H4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	2002-05	P5218N		1.41x6mmx4.11 NITRIDED	
	Exh.	2002-05	P5147		1.24x6mmx4.79	
		2002-05	P5217XN		1.26x6mmx4.12 NITRIDED	
Guides	Int.	2002-05	C3118		.236x.436x1.556	
	Exh.	2002-05	C3119		.236x.436x1.872	
	Both	2002-05	B8203		.235x.436x2.065 BRONZE O/S AVAILABLE	
		2002-05	C8203		“ “ “	
Seals	Both	2002-05	236431		.236x.431 “Viton”	
		2002-05	BV1883-IO		.236x.433 “Viton” - “Poly” available	

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8 2212cc (2.2L) SOHC, GAS, FI, VIN 6, EJ22 TURBO 1991-94					4 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1991-94	PC1375-55	1.375x.325x1.125 HI-CHROME		
		1991-94	M21375-55	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1991-94	PC1250-63	1.250x.325x0.930 HI-CHROME		
Guides	Both	1991-94	B8203	.235x.436x2.065 BRONZE - O/S AVAILABLE		
		1991-94	C8203	“ “ “		
Seals	Both	1991-94	236431	.236x.431 “Viton”		
		1991-94	BV1883-IO	.236x.433 “Viton” - “Poly” available		
Lifters	Both	1991-94	VLA114	HYDRAULIC		
9 2212cc (2.2L) SOHC, GAS, FI, VIN 3, 4, 6, EJ222, EJ223, EJ22E, EJ22EZ 1990-01					4 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1990-01	P5146	1.41x6mmx4.74		
	Exh.	1990-01	P5147	1.24x6mmx4.79		
Seats	Int.	1990-01	PC1375-55	1.375x.325x1.125 HI-CHROME		
		1990-01	M21375-55	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1990-01	PC1250-63	1.250x.325x0.930 HI-CHROME		
Guides	Both	1990-01	B8203	.235x.436x2.065 BRONZE - O/S AVAILABLE		
		1990-01	C8203	“ “ “		
Seals	Both	1990-01	236431	.236x.431 “Viton”		
		1990-01	BV1883-IO	.236x.433 “Viton” - “Poly” available		
Lifters	Both	1990-01	VLA114	HYDRAULIC		
10 2458cc (2.5L) SOHC, GAS, FI, VIN 6, EJ251, EJ252, EJ253, EJ259 1999-09					4 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1999-09	P5146	1.41x6mmx4.74		
		1997-98	P5240XN	1.41x6mmx4.169		
	Exh.	1999-09	P5147	1.24x6mmx4.79		
		1997-98	P5238XN	1.26x6mmx4.181		
Guides	Both	1999-09	B8203	.235x.436x2.065 BRONZE - O/S AVAILABLE		
		1999-09	C8203	“ “ “		
Seals	Both	1999-09	236431	.236x.431 “Viton”		
		1999-09	BV1883-IO	.236x.433 “Viton” - “Poly” available		
11 2458cc (2.5L) DOHC, GAS, FI, VIN 6, EJ25D 1997-99					4 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1997-98	P5240XN	1.41x6mmx4.169		
		1999-99	P5146	1.41x6mmx4.74		
	Exh.	1997-98	P5238XN	1.26x6mmx4.181		
		1999-99	P5147	1.24x6mmx4.79		
Guides	Int.	1996-99	C8564	.236x.436x1.280		
		1999-99	C3118	.236x.436x1.556		
	Exh.	1996-99	C8565	.236x.436x1.595		
		1999-99	C3119	.236x.436x1.872		
	Both	1997-98	C8203	.235x.436x2.065		
Seals	Both	1996-99	236431	.236x.431 “Viton”		
		1996-99	BV1883-IO	.236x.433 “Viton” - “Poly” available		

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12 2458cc (2.5L) DOHC, GAS, FI, EJ255, EJ257 TURBO 2004-13						4 VALVE	H4
PART		YEARS	PART NO.		NOTES		
Valves	Int.	2004-12	P5218N		1.41x6mmx4.11 NITRIDED		
	Exh.	2004-12	P5217XN		1.26x6mmx4.12 NITRIDED		
Guides	Int.	2004-12	C3118		.236x.436x1.556		
	Exh.	2004-12	C3119		.236x.436x1.872		
	Both	2004-09	B8203		.235x.436x2.065 BRONZE - O/S AVAILABLE		
		2004-09	C8203		“ “ “		
Seals	Both	2004-09	236431		.236x.431 “Viton”		
		2004-12	BV1883-IO		.236x.433 “Viton” - “Poly” available		
13 2672cc (2.7L) SOHC, GAS, FI, VIN 8, 9, ER27 1988-91						2 VALVE	H6
PART		YEARS	PART NO.		NOTES		
Seats	Int.	1988-91	PC1812-52		1.812x.315x1.440/1.490 HI-CHROME		
		1988-91	M21812-52		“ “ “ TUNGSTEN CARBIDE		
	Exh.	1988-91	PC1500-58		1.500x.315x1.200/1.220 HI-CHROME		
Guides	Int.	1988-91	Bronze	Cast	.276x.476x2.166 .275x.476x2.325 - O/S AVAILABLE		
			B583	C583			
	Exh.	1988-91	B584	C584			
Seals	Int.	1988-91	AV7245-Q1		.276x.472 “Viton” - LONG		
	Exh.	1988-91	AV8192-PO		.276x.472 “Viton” - SHORT		
14 3318cc (3.3L) DOHC, GAS, FI, VIN 3, 8, EG33D 1992-97						4 VALVE	H6
PART		YEARS	PART NO.		NOTES		
Guides	Int.	1992-97	C8564		.236x.436x1.280		
	Exh.	1992-97	C8565		.236x.436x1.595		
Seals	Both	1992-97	236431		.236x.431 “Viton”		
		1992-97	BV1883-IO		.236x.433 “Viton” - “Poly” available		

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1	993cc (1.0L) SOHC, GAS, FI, VIN 6, G10, GEO METRO 1989-00	3 VALVE	L3
2	1298cc (1.3L) SOHC, "G13" 1986-97	2 VALVE	L4
3	1298cc (1.3L) DOHC, GAS, FI, G13K 1989-94	4 VALVE	L4
4	1298cc (1.3L) SOHC, GAS, FI, VIN, G13BA, G13A 1986-97	4 VALVE	L4
5	1298cc (1.3L) SOHC, GAS, FI, G13BB 1998-01	4 VALVE	L4
6	1590cc (1.6L) SOHC, GAS, FI, VIN 0, 1, 3, G16KV, G16B 1992-01	4 VALVE	L4
7	1590cc (1.6L) SOHC, GAS, FI, G16KC 1989-95	2 VALVE	L4
8	1840cc (1.8L) DOHC, GAS, FI, VIN 2, 4, J18A, G18KV 1996-02	4 VALVE	L4
	2000cc (2.0L) DOHC, GAS, FI, J20A 1999-03	4 VALVE	L4
9	1995cc (2.0L) DOHC, GAS, FI, J20B, VIN 5 2007-11	4 VALVE	L4
10	1998cc (2.0L) DOHC, ECOTEC, VIN Z, E-TEC II 2004-08	4 VALVE	L4
11	2290cc (2.3L) DOHC, GAS, FI, J23A 2004-07	4 VALVE	L4
12	2393cc (2.4L) DOHC, GAS, FI, VIN 0, 9, J24B 2009-12	4 VALVE	L4
13	2500cc (2.5L) DOHC, GAS, FI, NISSAN QR25DE 2009-12	4 VALVE	L4
14	2500cc (2.5L) DOHC, GAS, FI, H25A 2001-05	4 VALVE	V6
	2737cc (2.7L) DOHC, GAS, FI, H27A 2001-08	4 VALVE	V6
15	3195cc (3.2L) DOHC, GAS, FI, N32A, VIN 1 2009-10	4 VALVE	V6
	3564cc (3.6L) DOHC, GAS, FI, N36A 2007-09	4 VALVE	V6
16	3954cc (4.0L) DOHC, VQ40DE (NISSAN) 2009-11	4 VALVE	V6

1 993cc (1.0L) SOHC, GAS, FI, VIN 6, G10, GEO METRO 1989-00					3 VALVE	L3
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1989-00	PV4341	1.37x5.5mmx3.31		
	Exh.	1989-00	PV4342	1.10x5.5mmx3.31		
Seats	Int.	1989-00	PC1500-77	1.500x.236x1.175/1.235 HI-CHROME		
	Exh.	1989-00	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME		
Guides	Both	1989-00	B546	.216x.436x1.260 BRONZE		
		1989-00	C546	“ “ “		
Seals	Both	1989-00	BV3311-E0	.217x.362 “Viton” - “Poly” available		
Locks	Both	1989-00	059-245-5.5	Top-bead 5.5mm		

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2 1298cc (1.3L) SOHC, G13 1986-97 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1986-97	P3808	1.41x7mmx4.55
	Exh.	1986-97	P3807	1.18x7mmx4.51
Seats	Int.	1986-97	PC1562-77	1.562x.267x1.170 HI-CHROME
	Exh.	1986-97	PC1375-64	1.375x.280x1.000 HI-CHROME
Guides	Both	1986-97	B556	.276x.476x1.895 BRONZE
		1986-97	C556	“ “ “ - O/S AVAILABLE
		1986-97	C8016	.275x.476x1.895
Locks	Both	1986-97	059-011-050	Top-bead 7mm
3 1298cc (1.3L) DOHC, GAS, FI, G13K 1989-94 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seats	Exh.	1989-94	PC1187-52	1.187x.257x0.934/0.995 HI-CHROME
Guides	Both	1989-94	B571	.217x.437x1.690 BRONZE - O/S AVAILABLE
		1989-94	C571	“ “ “
Seals	Both	1989-94	BV3311-E0	.217x.362 “Viton” - “Poly” available
4 1298-1325cc (1.3L) SOHC, GAS, FI, CARB, VIN, G13BA, G13A 1986-97 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1986-97	P3808	1.41x7mmx4.55
	Exh.	1986-97	P3807	1.18x7mmx4.51
Seats	Int.	1986-97	PC1562-77	1.562x.267x1.170 HI-CHROME
	Exh.	1986-97	PC1375-64	1.375x.280x1.000 HI-CHROME
Guides	Both	1986-97	B556	.276x.476x1.895 BRONZE
		1986-97	C556	“ “ “ - O/S AVAILABLE
		1986-97	C8016	.275x.476x1.895
Seals	Both	1986-97	BV1770-EO	.276x.472 “Viton” - “Poly” available
5 1298cc (1.3L) SOHC, GAS, FI, G13BB 1998-01 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1998-01	PV4356	1.14x5.5mmx3.63
	Exh.	1998-01	PV4357	0.98x5.5mmx3.14
Guides	Both	1998-01	B546	.216x.436x1.260 BRONZE
		1998-01	C546	“ “ “
Seals	Both	1998-01	BV3311-E0	.217x.362 “Viton” - “Poly” available
Locks	Both	1998-01	059-245-5.5	Top-bead 5.5mm
6 1590cc (1.6L) SOHC, GAS, FI, VIN 0, 1, 3, G16KV, G16B 1992-01 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1992-01	PV4356	1.14x5.5mmx3.63
	Exh.	1992-01	PV4357	0.98x5.5mmx3.14
Seats	Int.	1992-01	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME
	Exh.	1992-01	PC1062-50	1.062x.254x0.790 HI-CHROME
Guides	Both	1992-01	B546	.216x.436x1.260 BRONZE
		1992-01	C546	“ “ “
Seals	Both	1992-01	BV3311-E0	.217x.362 “Viton” - “Poly” available
Locks	Both	1992-01	059-245-5.5	Top-bead 5.5mm

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7 1590cc (1.6L) SOHC, GAS, FI, G16KC 1989-95				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1989-95	PV2630	1.44x7mmx4.55	
	Exh.	1989-95	PV2631X	1.27x7mmx4.50 - STELLITE	
Seats	Int.	1989-95	PC1500-79	1.500x.262x1.295 HI-CHROME	
		1989-95	M21500-79	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1989-95	PC1375-56	1.375x.260x1.102 HI-CHROME	
Guides	Both	1989-95	B556	.276x.476x1.895 BRONZE	
		1989-95	C556	“ “ “ - O/S AVAILABLE	
		1989-95	C8016	.275x.476x1.895	
Seals	Both	1989-95	BV1770-EO	.276x.472 “Viton” - “Poly” available	
Locks	Both	1989-95	059-011-050	Top-bead 7mm	
8 1840cc (1.8L) DOHC, GAS, FI, VIN 2, 4, J18A, G18KV 1996-02				4 VALVE	L4
2000cc (2.0L) DOHC, GAS, FI, J20A 1999-03				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	1996-03	PV4622	1.29x6mmx3.39	
	Exh.	1996-03	PV4623	1.10x6mmx3.38	
Guides	Both	1996-03	C8566	.236x.436x1.380	
Seals	Both	1996-03	BV1883-IO	.236x.433 “Viton” - “Poly” available	
		1996-03	236434	.236x.434 “Viton”	
Locks	Both	1996-03	059-211-107	Top-bead 6mm	
9 1995cc (2.0L) DOHC, GAS, FI, J20B, VIN 5 2007-11				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2007-11	P5246N	1.29x6mmx3.685	
	Exh.	2007-11	P5245N	1.10x6mmx3.673	
Seals	Both	2007-11	236434	.236x.434 “Viton”	
		2007-11	BV3311	.217x.362 “Viton” - “Poly” available	
Locks	Both	2007-11	059-245-5.5	Top-bead 5.5mm	
		2007-11	059-211-107	Top-bead 6mm	
10 1998cc (2.0L) DOHC, ECOTEC, VIN Z, E-TEC II 2004-08				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2004-08	PV4630	1.26x6mmx4.02	
	Exh.		PV4632	1.14x6mmx3.63	
Guides	Int.	2004-08	C3010	.236x.395x1.773 - O/S AVAILABLE	
	Exh.	2004-08	B688+1	.235x.396x1.380 BRONZE	
		2004-08	C688+1	“ “ “	
Seals	Both	2004-08	235347	.235x.347 “Viton”	
Locks	Both	2004-08	059-236-6MM	3 Round-bead 6mm	
11 2290cc (2.3L) DOHC, GAS, FI, J23A 2004-07				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seals	Both	2004-07	BV1883-IO	.236x.433 “Viton” - “Poly” available	
		2004-07	236434	.236x.434 “Viton”	
Locks	Both	2004-07	059-211-107	Top-bead 6mm	

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12 2393cc (2.4L) DOHC, GAS, FI, VIN 0, 9, J24B 2009-12				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2009-12	P5255N	1.39x5.5mmx3.960 NITRIDED	
	Exh.	2009-12	P5254N	1.20x5.5mmx3.884 NITRIDED	
Seals	Both	2009-12	BV3311-E0	.217x.362 "Viton" - "Poly" available	
Locks	Both	2009-12	059-245-5.5	Top-bead 5.5mm	
13 2500cc (2.5L) DOHC, GAS, FI, NISSAN QR25DE 2009-12				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2009-12	P5132	1.40x6mmx3.82	
	Exh.	2009-12	P5131	1.20x6mmx3.89	
Guides	Exh.	2009-12	B8217	.236x.395x1.690 BRONZE	
		2009-12	C8217	" " "	
Seals	Both	2009-12	BV3006-F0	.236x.394 "Viton" - "Poly" available	
Locks	Both	2009-12	059-211-064	Center-bead 6mm	
14 2500cc (2.5L) DOHC, GAS, FI, H25A 2001-05				4 VALVE	V6
2737cc (2.7L) DOHC, GAS, FI, H27A 2001-08				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2001-05	PV4622	1.29x6mmx3.39	
		2006-08	P5246N	1.29x6mmx3.685 NITRIDED	
	Exh.	2001-05	PV4623	1.10x6mmx3.38	
		2006-08	P5245N	1.10x6mmx3.673 NITRIDED	
Guides	Both	2001-08	C8566	.236x.436x1.380	
Seals	Both	2001-07	BV1883-IO	.236x.433 "Viton" - "Poly" available	
		2001-08	236434	.236x.434 "Viton"	
Locks	Both	2001-08	059-211-107	Top-bead 6mm	
15 3195cc (3.2L) DOHC, GAS, FI, N32A, VIN 1 2009-10				4 VALVE	V6
3564cc (3.6L) DOHC, GAS, FI, N36A 2007-09				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Guides	Both	2007-10	B2060	.236x.437x1.65 BRONZE	
		2007-10	C3112	.236x.435x1.655	
Seals	Both	2007-10	235436	.235x.436 "Viton"	
Locks	Both	2007-10	059-211-127	Center-bead 6mm	
Springs	Both	2007-10	050-1588	1.030dx0.71id* 58Lb.@1.37	
16 3954cc (4.0L) DOHC, VQ40DE (NISSAN) 2009-11				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2009-11	P5214	1.46x6mmx3.798	
	Exh.	2009-11	P5213	1.23x6mmx3.702	
Guides	Exh.	2009-11	B8217	.236x.395x1.690 BRONZE	
		2009-11	C8217	" " "	
Seals	Both	2009-11	BV3006-F0	.236x.394 "Viton" - "Poly" available	
Locks	Both	2009-11	059-211-064	Center-bead 6mm	

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1	1166cc (1.2L) OHV, GAS, CARB, VIN K, 3KC 1969-79	2 VALVE	L4
	1290cc (1.3L) OHV, GAS, CARB, VIN K, 4KC, FI, 4KE 1981-84	2 VALVE	L4
2	82 C.I. (1.3L) OHV, 3P - 91 C.I. (1.5L) 2R FORKLIFT - INDUST	2 VALVE	L4
3	91 C.I. (1.5L) OHV, 4P FORKLIFT - INDUST.	2 VALVE	L4
4	1452cc (1.5L) SOHC, GAS, CARB, VIN A, 1AC, 3AC, 3A 1980-88	2 VALVE	L4
5	1456cc (1.5L) SOHC, GAS, FI, VIN E, 3EE, 3E 1987-94	3 VALVE	L4
6	1497cc (1.5L) DOHC, GAS, FI, VIN C, E, 5EFE 1992-99	4 VALVE	L4
7	1587cc (1.6L) SOHC, GAS, CARB, VIN A, 4AC, 4ALC 1983-88	2 VALVE	L4
8	1587cc (1.6L) DOHC, GAS, FI, VIN A, 4AGEC, 4AGELC 4AGZE SUPERCHARGED, 4AGE 1986-91	4 VALVE	L4
9	1587cc (1.6L) DOHC, GAS, FI, VIN A, 4AFE, CARB, 4AF 1988-97	4 VALVE	L4
10	1588cc (1.6L) OHV, GAS, CARB, VIN T, 2TC 1971-79	2 VALVE	L4
11	1762cc (1.8L) DOHC, GAS, FI, VIN A, B, 7AFE 1993-97	4 VALVE	L4
12	1770cc (1.8L) OHV, GAS, CARB, VIN T, 3TC 1980-82	2 VALVE	L4
13	1794cc (1.8L) DOHC, GAS, FI, VIN R, 1ZZFE 1998-08	4 VALVE	L4
14	1795cc (1.8L) DOHC, 2ZZGE 2000-06	4 VALVE	L4
15	1798cc (1.8L) DOHC, GAS, ELECTRIC, FI, VIN L, U, 2ZRFE, 2ZRFXE 2009-13	4 VALVE	L4
16	1839cc (1.8L) SOHC, DIESEL , FI, VIN C, 1CTLC TURBO 1984-85	2 VALVE	L4
17	1858cc (1.9L) SOHC, 8R, 8RC 1965-72	2 VALVE	L4
18	1898cc (1.9L) OHV, GAS, CARB, 3R, 3RC, 3RB 1965-70	2 VALVE	L4
19	122 C.I. (2.0L) OHV, 5R FORKLIFT - INDUST.	2 VALVE	L4
20	1968cc (2.0L) SOHC, GAS, CARB, VIN R, 18RC 1972-74	2 VALVE	L4
21	1974cc (2.0L) SOHC, DIESEL , 2CTLC TURBO 1986-86	2 VALVE	L4
22	1995cc (2.0L) SOHC, GAS, FI, VIN S, 2SELC 1983-86	2 VALVE	L4
23	1998cc (2.0L) OHV, GAS, FI, VIN Y, 3YEC 1984-85	2 VALVE	L4
24	1998cc (2.0L) DOHC, GAS, FI, VIN S, 3SGELC, 3SGTE TURBO 1986-95	4 VALVE	L4
25	1998cc (2.0L) DOHC, GAS, FI, VIN S, 3SFE 1987-91	4 VALVE	L4
26	1998cc (2.0L) DOHC, GAS, FI, VIN P, 3SFE TRUCK 1996-00	4 VALVE	L4
27	1998cc (2.0L) DOHC, GAS, FI, 1AZFE 2001-03	4 VALVE	L4
28	130 C.I. (2.0L) OHV, 5K FORKLIFT - INDUST.	2 VALVE	L4
29	137 C.I. (2.2L) OHV, 4Y FORKLIFT - INDUST.	2 VALVE	L4
30	2164cc (2.2L) DOHC, GAS, FI, VIN G, S, 5SFE 1990-01	4 VALVE	L4
31	2188cc (2.2L) SOHC, DIESEL , FI, VIN L 1981-83	2 VALVE	L4
32	2189cc (2.2L) SOHC, GAS, CARB, VIN R, 20R 1975-80	2 VALVE	L4

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33	2237cc (2.2L) OHV, GAS, FI, VIN Y, 4YEC 1986-89	2 VALVE	L4
34	2253cc (2.3L) OHV, GAS, CARB, 2M 1968-72	2 VALVE	L6
35	2366cc (2.4L) SOHC, GAS, CARB, VIN R, 22R, FI, 22REC 1981-90	2 VALVE	L4
36	2366cc (2.4L) SOHC, GAS, FI, VIN R, 22RTEC TURBO 1986-88	2 VALVE	L4
37	2362cc (2.4L) DOHC, GAS, FI, ELECTRIC/GAS, 2AZFE, 2A2FXE 2001-11	4 VALVE	L4
38	2366cc (2.4L) SOHC, GAS, FI, VIN R, 22RE 1989-95	2 VALVE	L4
39	2438cc (2.4L) DOHC, GAS, FI, VIN A, 2TZFE, VIN K, 2TZFZE SUPERCHARGED 1991-97	4 VALVE	L4
40	2438cc (2.4L) DOHC, GAS, FI, VIN L, U, 2RZFE 1995-04	4 VALVE	L4
41	2446cc (2.4L) SOHC, DIESEL , FI, VIN H, L, 2L 1984-87	2 VALVE	L4
42	2494cc (2.5L) DOHC, GAS, FI, 2ARFE 2009-12 2672cc (2.7L) DOHC, GAS, FI, 1ARFE 2009-12	4 VALVE	L4
43	2494cc (2.5L) DOHC, ELECTRIC/GAS, FI, 2ARFXE 2012-12	4 VALVE	L4
44	2508cc (2.5L) DOHC, GAS, FI, VIN V, 2VZFE 1988-91	4 VALVE	V6
45	2563cc (2.6L) SOHC, GAS, CARB, VIN M, 4M, FI, 4ME 1971-80	2 VALVE	L6
46	2694cc (2.7L) DOHC, GAS, FI, VIN M, U, 3RZFE 1994-04	4 VALVE	L4
47	2694cc (2.7L) DOHC, GAS, FI, 2TRFE 2005-12	4 VALVE	L4
48	169 C.I. (2.8L) 5P FORKLIFT - INDUST.	2 VALVE	L4
49	2754cc (2.8L) DOHC, GAS, FI, VIN M, 5MGE 1982-88	2 VALVE	L6
50	2759cc (2.8L) SOHC, GAS, FI, VIN M, 5ME 1981-82	2 VALVE	L6
51	2954cc (3.0L) DOHC, GAS, FI, VIN M, 7MGE, 7MGTE TURBO 1986-92	4 VALVE	L6
52	2959cc (3.0L) DOHC, GAS, FI, VIN V, 3VZFE 1992-93	4 VALVE	L6
53	2959cc (3.0L) SOHC, GAS, FI, VIN V, 3VZE 1988-95	2 VALVE	V6
54	2995cc (3.0L) DOHC, GAS, FI, VIN F, G, 1MZFE 1994-06	4 VALVE	V6
55	2997cc (3.0L) DOHC, GAS, FI, VIN D, E, J, 2JZGE, 2JZGTE TURBO 1994-98	4 VALVE	L6
56	3300cc (3.3L) DOHC, ELECTRIC/GAS, GAS, FI, 3MZFE 2004-10	4 VALVE	V6
57	3378cc (3.4L) DOHC, GAS, FI, VIN N, V, 5VZFE 1995-04	4 VALVE	V6
58	3456cc (3.5L) DOHC, GAS, FI, 2GRFE/SE/XE 2005-12	4 VALVE	V6
59	3878cc (3.9L) OHV, GAS, CARB, F/FJ 1967-74	2 VALVE	L6
60	237 C.I. (3.9L) OHV, F - INDUST.	2 VALVE	L6
61	241 C.I. (3.9L) OHV, 3F - INDUST.	2 VALVE	L6
62	3956cc (4.0L) OHV, GAS, FI, VIN F, 3FE 1988-92	2 VALVE	L6
63	3956cc (4.0L) DOHC, GAS, FI, 1GRFE 2003-13	4 VALVE	V6
64	258 C.I. (4.2L) OHV, 2F - INDUST.	2 VALVE	L6

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65	4227cc (4.2L) OHV, GAS, CARB, VIN F, 2F 1975-87	2 VALVE	L6
66	4293cc (4.3L) DOHC, 3UZFE 2001-10	4 VALVE	V8
67	4477cc (4.5L) DOHC, GAS, FI, VIN D, J, 1FZFE 1993-97	4 VALVE	L6
68	4608cc (4.6L) DOHC, 1URFSE 2008-11	4 VALVE	V8
69	4608cc (4.6L) DOHC, GAS, FI, 1URFE 2010-13	4 VALVE	V8
70	4663cc (4.7L) DOHC, GAS, FI, VIN T, 2UZFE 1998-09	4 VALVE	V8
71	4969cc (5.0L) DOHC, 2UR-FSE/GSE 2008-11	4 VALVE	V8
72	5663cc (5.7L) DOHC, GAS, FI, FLEX, 3URFE, 3URFBE 2007-13	4 VALVE	V8

1	1166cc (1.2L) OHV, GAS, CARB, VIN K, 3KC 1969-79	2 VALVE	L4
	1290cc (1.3L) OHV, GAS, CARB, VIN K, 4KC, FI, 4KE 1981-84	2 VALVE	L4

PART	YEARS	PART NO.	NOTES
Seats	Int. Exh.	1969-84 1969-84 1969-84	PC1500-56 PC1250-50 M21250-50
			1.500x.250x1.275/1.318 HI-CHROME 1.250x.250x0.965/1.060 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Int. Exh.	1969-84 1969-84	Bronze Cast B278 C278 B277 C277
			.315x.514x1.968 - O/S AVAILABLE .315x.514x1.808 - O/S AVAILABLE
Seals	Both	1975-84	AV8271-F0
			.315x.512 “Viton” - “Poly” available
Locks	Both	11/74-84 11/74-84	059-209-500 059-811-100
			Single-groove 8mm Single-groove 8mm

2	82 C.I. OHV, (1.3L) 3P - 91 C.I. (1.5L) 2R FORKLIFT - INDUST	2 VALVE	L4
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PART	OE#	PART NO.	NOTES
Locks	Both	9091303005	059-209-500 059-811-100
			Single-groove 8mm Single-groove 8mm

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3 91 C.I. (1.5L) OHV, 4P FORKLIFT - INDUST.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-4 M21625-4	1.625x.218x1.312 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Locks	Both	9091303005	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm	
4 1452cc (1.5L) SOHC, GAS, CARB, VIN A, 1AC, 3AC, 3A 1980-88				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.	1980-88 1980-88	P3245 P3246	1.41x7mmx4.21 1.22x7mmx4.21	
Seats	Int. Exh.	1980-88 1980-88	PC1500-71 PC1312-59	1.500x.317x1.240 HI-CHROME 1.312x.273x1.044 HI-CHROME	
Guides	Int. Exh.	1980-88 1980-88	Bronze Cast B311 C311 B312 C312	.276x.455x1.695 .276x.455x1.935	
Springs	Both	1980-88	051-202	1.180dx0.87id* 55Lb.@1.50	
5 1456cc (1.5L) SOHC, GAS, FI, VIN E, 3EE, 3E 1987-94				3 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.	1987-94 1987-94 1987-94	P3864 P3406 P3408	0.94x6mmx3.61 REAR 1.18x6mmx3.63 FRONT 1.22x6mmx3.63	
Seats	Int. Exh.	1990-94 1987-90 1990-94 1987-94	PC1062-50 PC1250-53 PC1312-68 PC1312-57	1.062x.254x0.790 HI-CHROME, REAR 1.250x.257x1.024 HI-CHROME, FRONT 1.312x.280x0.976 HI-CHROME 1.312x.280x1.060 HI-CHROME	
Guides	Both	1987-94 1987-94	B513 C513	.237x.435x1.600 BRONZE “ “ “ - O/S AVAILABLE	
Seals	Both	1987-94	BV1883-IO	.236x.433 “Viton” - “Poly” available	
Locks	Both	1987-94	059-211-058	Round-bead 6mm	
6 1497cc (1.5L) DOHC, GAS, FI, VIN C, E, 5EFE 1992-99				4 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Int. Exh.	1992-99 1992-99	PC1187-52 PC1062-50	1.187x.257x0.934/0.995 HI-CHROME 1.062x.254x0.790 HI-CHROME	
Guides	Int. Exh.	1992-99 1992-99	Bronze Cast B526 C526 B513 C513	.237x.436x1.520 .237x.435x1.600 - O/S AVAILABLE	
Seals	Both	1992-99	BV1883-IO	.236x.433 “Viton” - “Poly” available	
Locks	Both	1992-99	059-211-058	Round-bead 6mm	
7 1587cc (1.6L) SOHC, GAS, CARB, VIN A, 4AC, 4ALC 1983-88				2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Int. Exh.	1983-88 1983-88	P3245 P3246	1.41x7mmx4.21 1.22x7mmx4.21	
Seats	Int. Exh.	1983-88 1983-88	PC1500-71 PC1312-59	1.500x.317x1.240 HI-CHROME 1.312x.273x1.044 HI-CHROME	
Guides	Int. Exh.	1983-88 1983-88	Bronze Cast B311 C311 B312 C312	.276x.455x1.695 .276x.455x1.935	
Springs	Both	1983-88	051-202	1.180dx0.87id* 55Lb.@1.50	

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8	1587cc (1.6L) DOHC, GAS, FI, VIN A, 4AGEC, 4AGELC 4AGZE SUPERCHARGED, 4AGE 1986-91	4 VALVE	L4
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PART	YEARS	PART NO.	NOTES
Valves	Int. 1986-91 Exh. 1986-91	P3327 P3327HP-C P3328 P3328HP-C	1.20x6mmx3.92 1.25x6mmx3.92 - 2mm O/S 1.00x6mmx3.925 1.08x6mmx3.92 - 2mm O/S
Seats	Int. 1986-91 Exh. 1986-91	PC1250-54 PC1125-51	1.250x.257x1.010/1.056 HI-CHROME 1.125x.237x0.854 HI-CHROME
Guides	Both 1986-91 1986-91 1986-91	Bronze Cast B8038 C8038 B347 C347 B560R	.237x.435x1.595 - O/S AVAILABLE .236x.435x1.600 .237x.435x1.590
Seals	Both 1986-91	BV1883-IO	.236x.433 "Viton" - "Poly" available
Locks	Both 1986-91	059-211-058	Round-bead 6mm

9	1587cc (1.6L) DOHC, GAS, FI, VIN A, 4AFE, CARB, 4AF 1988-97	4 VALVE	L4
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PART	YEARS	PART NO.	NOTES
Valves	Int. 1990-97 Exh. 1990-97	PV4347 PV4348	1.22x6mmx3.44 0.96x6mmx3.46
Seats	Int. 1988-97 Exh. 1988-97	PC1250-54 PC1062-50	1.250x.257x1.010/1.056 HI-CHROME 1.062x.254x0.790 HI-CHROME
Guides	Both 1988-97 1988-97	Bronze Cast B526 C526 B560R	.237x.436x1.520 .237x.435x1.590
Seals	Both 1988-97	BV1883-IO	.236x.433 "Viton" - "Poly" available
Locks	Both 1988-97	059-211-058	Round-bead 6mm

10	1588cc (1.6L) OHV, GAS, CARB, VIN T, 2TC 1971-79	2 VALVE	L4
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PART	YEARS	PART NO.	NOTES
Valves	Int. 1971-79 Exh. 1971-79	P2888HP-C P2887HP-C	1.73x8mmx4.25 - 3mm O/S 1.53x8mmx4.28 - 3mm O/S
Seats	Int. 1971-79 Exh. 1971-79	PC1687-50 PC1500-59	1.687x.325x1.345/1.522 HI-CHROME 1.500x.325x1.210/1.340 HI-CHROME
Guides	Int. 1971-79 Exh. 1971-79	Bronze Cast B210 C210 B211 C211	.315x.514x1.970 - O/S AVAILABLE .315x.514x2.128 - O/S AVAILABLE
Seals	Both 1971-79	AV8271-F0	.315x.512 "Viton" - "Poly" available
Locks	Both 1971-79 1971-79	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm
Timing Sets	Both 1971-79	PT34550	TIMING KIT

11	1762cc (1.8L) DOHC, GAS, FI, VIN A, B, 7AFE 1993-97	4 VALVE	L4
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PART	YEARS	PART NO.	NOTES
Valves	Int. 1993-97 Exh. 1993-97	PV4347 PV4348	1.22x6mmx3.44 0.96x6mmx3.46
Guides	Both 1993-97 1993-97	B526 C526	.237x.436x1.520 BRONZE " " "
Seals	Both 1993-97	BV1883-IO	.236x.433 "Viton" - "Poly" available
Locks	Both 1993-97	059-211-058	Round-bead 6mm
Cyl. Head	1993-97	CHT18	

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12 1770cc (1.8L) OHV, GAS, CARB, VIN T, 3TC 1980-82					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1980-82	P2888HP-C		1.73x8mmx4.25 - 3mm O/S	
	Exh.	1980-82	P2887HP-C		1.53x8mmx4.28 - 3mm O/S	
Seats	Int.	1980-82	PC1687-50		1.687x.325x1.345/1.522 HI-CHROME	
	Exh.	1980-82	PC1500-59		1.500x.325x1.210/1.340 HI-CHROME	
Guides			Bronze Cast			
	Int.	1980-82	B210 C210		.315x.514x1.970 - O/S AVAILABLE	
	Exh.	1980-82	B211 C211		.315x.514x2.128 - O/S AVAILABLE	
Seals	Both	1980-82	AV8271-F0		.315x.512 "Viton" - "Poly" available	
Locks	Both	1980-82	059-209-500		Single-groove 8mm	
		1980-82	059-811-100		Single-groove 8mm	
13 1794cc (1.8L) DOHC, GAS, FI, VIN R, 1ZZFE 1998-08					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1998-05	P4397		1.26x5.5mmx3.485 - 98-99 Corolla, 98-03 Celica, MR2	
		2000-08	P5140		1.22x5.5mmx3.49 - Corolla, Matrix	
	Exh.	1998-05	P4399		1.08x5.5mmx3.491 - 98-99 Corolla, 98-03 Celica, MR2	
		2000-08	P5141		1.02x5.5mmx3.49 - Corolla, Matrix	
Guides	Both	1998-08	C8584		.217x.407x1.360	
Seals	Both	1998-08	BV5044-E0		.217x.407 "Viton" - "Poly"	
14 1795cc (1.8L) DOHC, 2ZZGE 2000-06					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	2000-06	P5266		1.33x5.5mmx4.392	
	Exh.	2000-06	P5267		1.14x5.5mmx4.398	
Guides	Both	2000-06	B416		.217x.415x1.690 BRONZE	
		2000-06	C416		" " "	
Seals	Exh.	2000-06	BV5044-E0		.217x.407 "Viton" - "Poly" available	
15 1798cc (1.8L) DOHC, GAS, ELECTRIC, FI, VIN L, U, 2ZRFE, 2ZRFXE 2009-13					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Guides	Int.		C3134		.217x.407x1.630	
	Exh.		C3135		.217x.407x1.850	
Seals	Both		BV5044-E0		.217x.407 "Viton" - "Poly" available	
Locks	Both		059-211-100		Top-bead 5.5mm	
16 1839cc (1.8L) SOHC, DIESEL, FI, VIN C, 1CTLCTURBO 1984-85					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1984-85	PC1625-11		1.625x.218x1.343 HI-CHROME	
	Exh.	1984-85	PC1375-54		1.375x.230x1.022/1.085 HI-CHROME	
Seals	Both	1984-85	AV8271-F0		.315x.512 "Viton" - "Poly" available	
17 1858cc (1.9L) SOHC, 8R, 8RC 1965-72					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1965-72	P2892		1.69x8mmx4.49	
	Exh.	1965-72	P2891		1.33x8mmx4.49	
Guides			Bronze Cast			
	Int.	1965-72	C208		.315x.552x2.085	
	Exh.	1965-72	B209 C209		.315x.552x2.243 - O/S AVAILABLE	
Seals	Both	1965-72	55014		.315x.512 "Poly"	

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17 1858cc (1.9L) SOHC, 8R, 8RC 1965-72 (CONT.)					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Locks	Both	1965-72 1965-72	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm		
18 1898cc (1.9L) OHV, GAS, CARB, 3R, 3RC, 3RB 1965-70					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Guides	Int. Exh.	1965-70 1965-70	C207 C7539	.354x.552x2.400 .355x.553x2.650		
19 122 C.I. (2.0L) OHV, 5R FORKLIFT - INDUST.					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Seats	Int. Exh.		PC1812-5 M21812-5 PC1562-7 M21562-7	1.812x.250x1.500 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.562x.250x1.250 HI-CHROME “ “ “ TUNGSTEN CARBIDE		
Guides	Both	1112244010 1112244011	C207 C8169	.354x.552x2.400 - EARLY .335x.553x1.970 - LATE		
20 1968cc (2.0L) SOHC, GAS, CARB, VIN R, 18RC 1972-74					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Seats	Int. Exh.	1972-74 1972-74 1972-74 1972-74 1972-74 1972-74	PC1750-4 M21750-4 PC1750-58 PC1500-3 M21500-3 PC1562-52	1.750x.250x1.437 HEAD W/ CAST INTEGRAL SEATS “ “ “ HEAD W/ CAST INTEGRAL SEATS 1.750x.315x1.360 HI-CHROME 1.500x.250x1.250 HEAD W/ CAST INTEGRAL SEATS “ “ “ HEAD W/ CAST INTEGRAL SEATS 1.562x.315x1.190/1.321 HI-CHROME		
Guides	Int. Exh.	1972-74 1972-74	Bronze Cast C208 B209 C209	.315x.552x2.085 .315x.552x2.243 - O/S AVAILABLE		
Locks	Both	1972-74 1972-74	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm		
21 1974cc (2.0L) SOHC, DIESEL, 2CTLC TURBO 1986-86					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Guides	Exh.	1986-86 1986-86	B478 C478	.315x.514x1.965 BRONZE - O/S AVAILABLE “ “ “		
22 1995cc (2.0L) SOHC, GAS, FI, VIN S, 2SELC 1983-86					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1983-86 1983-86	P3583 P3329	1.57x8mmx4.31 1.33x8mmx4.30		
Seats	Int. Exh.	1983-86 1983-86	PC1687-55 PC1437-66	1.687x.315x1.340 HI-CHROME 1.437x.300x1.120 HI-CHROME		
Seals	Both	1983-86	AV8271-F0	.315x.512 “Viton” - “Poly” available		
Locks	Both	1983-86 1983-86	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm		
23 1998cc (2.0L) OHV, GAS, FI, VIN Y, 3YEC 1984-85					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1984-85 1984-85	P3587 P3588	1.57x8mmx4.26 1.41x8mmx4.27		

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23 1998cc (2.0L) OHV, GAS, FI, VIN Y, 3YEC 1984-85 (CONT.)					2 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Seats	Int.	1984-85	PC1687-55		1.687x.315x1.340 HI-CHROME	
	Exh.	1984-85	PC1500-58		1.500x.315x1.200/1.220 HI-CHROME	
Guides	Int.	1984-85	C591		.316x.514x1.970 - O/S AVAILABLE	
Seals	Both	1984-85	AV8271-F0		.315x.512 “Viton” - “Poly”	
Locks	Both	1984-85	059-618-971		Center-bead 8mm	
24 1998cc (2.0L) DOHC, GAS, FI, VIN S, 3SGELC, 3SGTE TURBO 1986-95					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1986-95	PV4069		1.32x6mmx4.05	
		1990-95	PV2591HP-C		1.35x6mmx3.95 - 1mm O/S	
	Exh.	1986-95	PV4200		1.14x6mmx4.02	
		1990-95	PV3914HP-C		1.18x6mmx3.91 - 1mm O/S	
Seats	Int.	1986-95	PC1437-67		1.437x.255x1.180/1.270 HI-CHROME	
	Exh.	1986-95	PC1250-55		1.250x.255x1.005/1.100 HI-CHROME	
Guides	Int.	1986-95	Bronze	Cast	.237x.436x1.520	
			B526	C526		
	Exh.	1986-95	B8038	C8038	.237x.435x1.595 - O/S AVAILABLE	
			B508	C508		
Seals	Both	1986-95	BV1883-IO		.236x.433 “Viton” - “Poly” available	
		1988-95	236434		.236x.434 “Viton”	
Locks	Both	1986-95	059-211-058		Round-bead 6mm	
25 1998cc (2.0L) DOHC, GAS, FI, VIN S, 3SFE 1987-91					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1987-91	P3445		1.26x6mmx3.96	
	Exh.	1987-91	P3446		1.06x6mmx3.95	
Seats	Int.	1987-91	PC1375-56		1.375x.260x1.102 HI-CHROME	
		1987-91	PC1187-51		1.187x.257x0.905 HI-CHROME	
		1987-91	M21187-51		“ “ “ TUNGSTEN CARBIDE	
		1987-91	PC1062-50		1.062x.254x0.790 HI-CHROME	
Guides	Int.	1987-91	Bronze	Cast	.237x.436x1.520	
			B526	C526		
Exh.	1987-91	B8038	C8038	.237x.435x1.595 - O/S AVAILABLE		
Seals	Both	1987-91	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Locks	Both	1987-91	059-211-058		Round-bead 6mm	
26 1998cc (2.0L) DOHC, GAS, FI, VIN P, 3SFE TRUCK 1996-00					4 VALVE	L4
PART		YEARS	PART NO.		NOTES	
Valves	Exh.	1996-00	PV2619		1.06x6mmx3.876	
Seats	Int.	1996-00	PC1375-56		1.375x.260x1.102 HI-CHROME	
	Exh.	1996-00	PC1062-50		1.062x.254x0.790 HI-CHROME	
Guides	Int.	1996-00	Bronze	Cast	.237x.436x1.520	
			B526	C526		
Exh.	1996-00	B8038	C8038	.237x.435x1.595 - O/S AVAILABLE		
Seals	Both	1996-00	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Locks	Both	1996-00	059-211-058		Round-bead 6mm	

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27 1998cc (2.0L) DOHC, GAS, FI, 1AZFE 2001-03 4 VALVE L4

PART		YEARS	PART NO.	NOTES
Valves	Int.	2001-03	P5188	1.33x5.5mmx4.004
	Exh.	2001-03	P5189	1.15x5.5mmx3.982
Guides	Exh.	2001-03	C8585	.217x.407x1.590
Seals	Both	2001-03	BV5044-E0	.217x.407 “Viton” - “Poly” available
Locks	Both		059-211-100	Top-bead 5.5mm

28 130 C.I. (2.0L) OHV, 5K FORKLIFT - INDUST. 2 VALVE L4

PART	OE#	PART NO.	NOTES	
Seats	Int. Exh.	PC1500-56 PC1250-50 M21250-50	1.500x.250x1.275/1.318 HI-CHROME 1.250x.250x0.965/1.060 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Seals	Both	9091302075	AV8271-F0	.315x.512 “Viton” - “Poly” available
Locks	Both	9091303005	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm

29 137 C.I. (2.2L) OHV, 4Y FORKLIFT - INDUST. 2 VALVE L4

PART		OE#	PART NO.	NOTES
Valves	Int.	1371171010	P3587	1.57x8mmx4.26
	Exh.	1371571010	P3588	1.41x8mmx4.27
Seats	Int.		PC1687-55	1.687x.315x1.340 HI-CHROME
	Exh.		PC1500-58	1.500x.315x1.200/1.220 HI-CHROME
Guides	Int.	1112271020	C591	.316x.514x1.970 - O/S AVAILABLE
Seals	Both		AV8271-F0	.315x.512 "Viton" - "Poly" available
Locks	Both	90913-03014	059-618-971	Center-bead 8mm

30 2164cc (2.2L) DOHC, GAS, FI, VIN G, S, 5SFE 1990-01 4 VALVE L4

PART		YEARS	PART NO.	NOTES
Valves	Int.	1990-1/92	P3445	1.26x6mmx3.96
	Exh.	1990-1/92	P3446	1.06x6mmx3.95
		2/92-2001	PV2619	1.06x6mmx3.876
Seats	Int.	1990-01	PC1375-56	1.375x.260x1.102 HI-CHROME
	Exh.	1990-01	PC1187-51	1.187x.257x0.905 HI-CHROME
		1990-01	M21187-51	“ “ “ TUNGSTEN CARBIDE
Guides			Bronze Cast	
	Int.	1995-01	B526 C526	.237x.436x1.520
	Exh.	1990-01	B8038 C8038	.237x.435x1.595 - O/S AVAILABLE
Seals	Both	1990-01	BV1883-IO	.236x.433 “Viton” - “Poly”
		2000-01	236434	.236x.434 “Viton” - “Poly”
Locks	Both	1990-01	059-211-058	Round-bead 6mm
Springs	Both	1993-95	051-550	0.990dx0.72id* 80Lb.@1.10

31 2188cc (2.2L) SOHC, DIESEL, FI, VIN L 1981-83 2 VALVE L4

PART		YEARS	PART NO.	NOTES
Seats	Int.	1981-83	M21750-50	1.750x.255x1.500/1.614 TUNGSTEN CARBIDE
	Exh.	1981-83	PC1437-67	1.437x.255x1.180/1.270 HI-CHROME
Guides	Both	1981-83	C601	.335x.554x2.400

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32 2189cc (2.2L) SOHC, GAS, CARB, VIN R, 20R 1975-80					2 VALVE	L4	
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1975-80	P2978EPN	1.73x8mmx4.54 - HIGH PERFORMANCE			
	Exh.	1975-80	P2973EPN	1.45x8mmx4.48 - HIGH PERFORMANCE			
Seats	Int.	1975-80	PC1812-53	1.812x.315x1.420/1.620 HI-CHROME			
		1975-80	M21812-53	“ “ “ TUNGSTEN CARBIDE			
	Exh.	1975-80	PC1500-61	1.500x.315x1.220/1.330 HI-CHROME			
		1975-80	M21500-61	“ “ “ TUNGSTEN CARBIDE			
Guides	Both	1975-80	B292	.316x.514x2.265 BRONZE - O/S AVAILABLE			
		1975-80	C292	“ “ “ - O/S AVAILABLE			
		1975-80	C0002	.316x.514x1.975			
		1975-80	C292P	.316x.513x2.265 - O/S AVAILABLE			
Seals	Both	1975-80	AV8271-F0	.315x.512 “Viton” - “Poly” available			
Locks	Both	1975-80	059-209-500	Single-groove 8mm			
		1975-80	059-811-100	Single-groove 8mm			
Springs	Both	1975-80	051-135	1.310dx0.95id* 50Lb.@1.60			
33 2237cc (2.2L) OHV, GAS, FI, VIN Y, 4YEC 1986-89					2 VALVE	L4	
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1986-89	P3587	1.57x8mmx4.26			
	Exh.	1986-89	P3588	1.41x8mmx4.27			
Seats	Int.	1986-89	PC1687-55	1.687x.315x1.340 HI-CHROME			
	Exh.	1986-89	PC1500-58	1.500x.315x1.200/1.220 HI-CHROME			
Guides	Int.	1986-89	C591	.316x.514x1.970 - O/S AVAILABLE			
Seals	Both	1986-89	AV8271-F0	.315x.512 “Viton” - “Poly” available			
Locks	Both	1986-89	059-618-971	Center-bead 8mm			
Timing Sets		1986-89	PT34550	TIMING KIT			
34 2253cc (2.3L) OHV, GAS, CARB, 2M 1968-72					2 VALVE	L6	
PART		YEARS	PART NO.	NOTES			
Valves	Exh.	1968-72	P2980	1.34x8mmx4.84			
Seats	Int.	1968-72	PC1750-59	1.750x.315x1.360/1.503 HI-CHROME			
	Exh.	1968-72	PC1562-53	1.562x.315x1.130/1.267 HI-CHROME			
Guides	Int.	1968-72	Bronze Cast				
			B305 C305	.315x.513x1.970			
	Exh.	1968-72	B306 C306	.315x.513x2.340			
Seals	Both	1968-72	55016	.315x.515 “Poly”			
Locks	Both	1968-72	059-209-500	Single-groove 8mm			
		1968-72	059-811-100	Single-groove 8mm			
35 2366cc (2.4L) SOHC, GAS, CARB, VIN R, 22R, FI, 22REC 1981-90					2 VALVE	L4	
PART		YEARS	PART NO.	NOTES			
Valves	Int.	1981-90	P3243	1.77x8mmx4.46			
		1981-90	P3243N	1.77x8mmx4.46 - NITRIDED			
		1981-90	P3243CFM	1.77x8mmx4.46			
		1981-90	P3243HP-C	1.80x8mmx4.46 - .030”LARGER HEAD			
		1981-90	PV2264HP	1.81x8mmx4.46 - O/S .040 - 46mm			
		Exh.	1981-90	P3247	1.45x8mmx4.42		
			1981-90	P3247N	1.45x8mmx4.42 - NITRIDED		
	1981-90		P3247CFM	1.45x8mmx4.42			
	1981-90		P3247HP-C	1.48x8mmx4.42 - .030”LARGER HEAD			
	1981-90		PV2263HP	1.50x8mmx4.42 - O/S .050 - 38mm			
	1981-90		P4337HP-C	1.57x8mmx4.45 - O/S .120 - 40mm			

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35 2366cc (2.4L) SOHC, GAS, CARB, VIN R, 22R, FI, 22REC 1981-90 (CONT.) 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Seats	Int.	1981-90	PC1937-52B	1.937x.379x1.573/1.620 HI-CHROME
	Exh.	1981-90	PC1562-67	1.562x.319x1.255/1.307 HI-CHROME
Guides	Both	1981-90	B292	.316x.514x2.265 BRONZE - O/S AVAILABLE
		1981-90	C292	“ “ “ - O/S AVAILABLE
		1981-90	C0002	.316x.514x1.975
		1981-90	C292P	.316x.513x2.265 - O/S AVAILABLE
Seals	Both	1981-90	AV8271-F0	.315x.512 “Viton” - “Poly” available
Locks	Both	1981-90	059-209-500	Single-groove 8mm
		1981-90	059-811-100	Single-groove 8mm
		1981-90	DP433-315	.433x.340x.315 DOWEL-PIN
Springs	Both	1981-84	051-135	1.310dx0.95id* 50Lb.@1.60
		1985-90	051-405	1.300dx0.94id* 65Lb.@1.60
Retainer	Both	1981-90	VSR22R	1.290x0.90x0.960
Cyl. Heads		1981-90	CHT22REC	ALUMINIUM - 22REC ONLY
Timing Sets		1985-90	PT34570	TIMING KIT
Head Bolt Sets		1981-90	PHB144-10	22REC ONLY
		1981-90	PHB144-10E	22R ONLY
36 2366cc (2.4L) SOHC, GAS, FI, VIN R, 22RTEC TURBO 1986-88 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1986-88	P3243N	1.77x8mmx4.46 - NITRIDED
	Exh.	1986-88	P4337HP-C	1.57x8mmx4.45
Seats	Int.	1986-88	PC1937-52B	1.937x.379x1.573/1.620 HI-CHROME
	Exh.	1986-88	PC1562-67	1.562x.319x1.255/1.307 HI-CHROME
Guides	Both	1986-88	Bronze B292	.316x.514x2.265 - O/S AVAILABLE
		1986-88	Cast C292	.316x.513x2.265 - O/S AVAILABLE
		1986-88	C292P	
Locks	Both	1986-88	059-209-500	Single-groove 8mm
		1986-88	059-811-100	Single-groove 8mm
Springs	Both	1986-88	051-405	1.300dx0.94id* 65Lb.@1.60
37 2362cc (2.4L) DOHC, GAS, FI, ELECTRIC/GAS, 2AZFE, 2A2FXE 2001-11 4 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	2001-11	P5188	1.33x5.5mmx4.004
	Exh.	2001-11	P5189	1.15x5.5mmx3.982
Guides	Both	2001-11	C8585	.217x.407x1.590
Seals	Both	2001-11	BV5044-E0	.217x.407 “Viton” - “Poly” available
Locks	Both	2001-11	059-211-100	Top-bead 5.5mm
38 2366cc (2.4L) SOHC, GAS, FI, VIN R, 22RE 1989-95 2 VALVE L4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1989-95	P3243	1.77x8mmx4.46
		1989-95	P3243N	1.77x8mmx4.46 - NITRIDED
		1989-95	P3243CFM	1.77x8mmx4.46
		1989-95	P3243HP-C	1.80x8mmx4.46 - .030”LARGER HEAD
	Exh.	1989-95	P3247	1.45x8mmx4.42
		1989-95	P3247N	1.45x8mmx4.42 - NITRIDED
		1989-95	P3247CFM	1.45x8mmx4.42
		1989-95	P3247HP-C	1.48x8mmx4.42 - .030”LARGER HEAD
		1989-95	P4337HP-C	1.57x8mmx4.45 - .120”LARGER HEAD
		1989-95		

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38 2366cc (2.4L) SOHC, GAS, FI, VIN R, 22RE 1989-95 (CONT.)				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seats	Int. Exh.	1989-95 1989-95	PC1937-52B PC1562-67	1.937x.379x1.573/1.620 HI-CHROME 1.562x.319x1.255/1.307 HI-CHROME	
Guides	Both	1989-95 1989-95	Bronze Cast B292 C292 C292P	.316x.514x2.265 - O/S AVAILABLE .316x.513x2.265 - O/S AVAILABLE	
Seals	Int. Exh.	1989-95 1989-95	59553 AV8271-F0	.315x.512 "Viton" .315x.512 "Viton" - "Poly" available	
Locks	Both	1989-95 1989-95	059-209-500 059-811-100	Single-groove 8mm Single-groove 8mm	
Springs	Both	1989-95	051-405	1.30odx0.94id* 65Lb.@1.60	
Timing Sets		1989-95	PT34570	TIMING KITS	
39 2438cc (2.4L) DOHC, GAS, FI, VIN A, 2TZFE, VIN K, 2TZFZE SUPERCHARGED 1991-97				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1991-97 1991-97	PV2588X PV2589X	1.41x6mmx4.073 1.20x6mmx4.091	
Seats	Int. Exh.	1991-97 1991-97	PC1562-66 PC1312-67	1.562x.280x1.265/1.294 HI-CHROME 1.312x.238x1.042 HI-CHROME	
Guides	Int. Exh.	1991-97 1991-97 1991-97 1991-97	B8038 C8038 C8273 B532	.237x.435x1.595 BRONZE " " " - O/S AVAILABLE .236x.435x1.890 .236x.435x1.900 BRONZE - O/S AVAILABLE	
Seals	Both	1991-97 1991-97	BV1883-IO 236434	.236x.433 "Viton" - "Poly" available .236x.434 "Viton"	
Locks	Both	1991-97	059-211-058	Round-bead 6mm	
40 2438cc (2.4L) DOHC, GAS, FI, VIN L, U, 2RZFE 1995-04				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int. Exh.	1995-04 1995-04	PV4629 PV2589X	1.47x6mmx4.073 1.20x6mmx4.091	
Seats	Int. Exh.	1995-04 1995-04	PC1562-66 PC1312-67	1.562x.280x1.265/1.294 HI-CHROME 1.312x.238x1.042 HI-CHROME	
Guides	Int. Exh.	1995-04 1995-04 1995-04 1995-04	B8038 C8038 C8273 B532	.237x.435x1.595 BRONZE " " " - O/S AVAILABLE .236x.435x1.890 .236x.435x1.900 BRONZE - O/S AVAILABLE	
Seals	Both	1995-04	BV1883-IO	.236x.433 "Viton" - "Poly" available	
Locks	Both	1995-04	059-211-058	Round-bead 6mm	
Retainers	Both	1995-04	VSRTRZ	0.981x0.68x0.523	
Cyl. Head		1995-04	CHT24/27	ALUMINIUM	
41 2446cc (2.4L) SOHC, DIESEL , FI, VIN H, L, 2L 1984-87				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seats	Exh.	1984-87	PC1437-67	1.437x.255x1.180/1.270 HI-CHROME	
Guides	Both	1984-87	C704	.337x.552x2.400	
Springs	Both	1984-87	051-135	1.31odx0.95id* 50Lb.@1.60	

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42 2494cc (2.5L) DOHC, GAS, FI, 2ARFE 2009-12 4 VALVE L4				
2672cc (2.7L) DOHC, GAS, FI, 1ARFE 2009-12				
PART		YEARS	PART NO.	NOTES
Guides	Int.	2009-12	C3134	.217x.407x1.630
	Exh.	2009-12	C3135	.217x.407x1.850
Seals	Both	2009-12	BV5044-E0	.217x.407 “Viton” - “Poly” available
Locks	Both	2009-12	059-211-100	Top-bead 5.5mm
43 2494cc (2.5L) DOHC, ELECTRIC/GAS, FI, 2ARFXE 2012-12 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Seals	Both	2009-12	BV5044-E0	.217x.407 “Viton” - “Poly” available
Locks	Both	2009-12	059-211-100	Top-bead 5.5mm
44 2508cc (2.5L) DOHC, GAS, FI, VIN V, 2VZFE 1988-91 4 VALVE V6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1988-91	P3863	1.29x6mmx3.77
	Exh.	1988-91	P3862	1.07x6mmx3.86
Seats	Int.	1988-91	PC1375-50	1.375x.255x1.09/1.218 HI-CHROME
	Exh.	1988-91	PC1187-53	1.187x.235x0.935 HI-CHROME
Guides	Both	1988-91	B8038	.237x.435x1.595 BRONZE
		1988-91	C8038	“ “ “ - O/S AVAILABLE
Seals	Both	1988-91	BV1883-IO	.236x.433 “Viton” - “Poly” available
Locks	Both	1988-91	059-211-058	Round-bead 6mm
45 2563cc (2.6L) SOHC, GAS, CARB, VIN M, 4M, FI, 4ME 1971-80 2 VALVE L6				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1978-80	P3065	1.49x8mmx4.57
	Exh.	1978-80	P3064	1.29x8mmx4.437
Seats	Int.	1971-77	PC1750-59	1.750x.315x1.360/1.503 HI-CHROME
		1978-79	PC1625-52	1.625x.315x1.260/1.427 HI-CHROME
	Exh.	1971-77	PC1562-53	1.562x.315x1.130/1.267 HI-CHROME
		1978-79	PC1437-56	1.437x.315x1.110/1.215 HI-CHROME
Guides	Int.	1971-80	Bronze Cast B305 C305	.315x.513x1.970
		1971-76	B306 C306	.315x.513x2.340
	Exh.	1971-80	B307 C307	.315x.513x1.970
Seals	Both	1971-80	315514-P	.315x.514 “Poly”
Locks	Both	1971-80	059-209-500	Single-groove 8mm
		1971-80	059-811-100	Single-groove 8mm
46 2694cc (2.7L) DOHC, GAS, FI, VIN M, U, 3RZFE 1994-04 4 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1994-04	PV4629	1.47x6mmx4.073
	Exh.	1994-04	PV2589X	1.20x6mmx4.091
Seats	Int.	1994-04	PC1562-66	1.562x.280x1.265/1.294 HI-CHROME
	Exh.	1994-04	PC1312-67	1.312x.238x1.042 HI-CHROME
Guides	Int.	1994-04	B8038	.237x.435x1.595 BRONZE
		1994-04	C8038	“ “ “ - O/S AVAILABLE
	Exh.	1994-04	C8273	.236x.435x1.890
Seals	Both	1994-04	BV1883-IO	.236x.433 “Viton” - “Poly” available
Locks	Both	1994-04	059-211-058	Round-bead 6mm
Retainers	Both	1994-04	VSRTRZ	0.981x0.68x0.523

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46 2694cc (2.7L) DOHC, GAS, FI, VIN M, U, 3RZFE 1994-04 (CONT.)				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Cyl Heads	1994-04	CHT24/27	ALUMINIUM		
47 2694cc (2.7L) DOHC, GAS, FI, 2TRFE 2005-12				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seals	Both	BV5044-E0	.217x.407 "Viton" - "Poly" available		
Locks	Both	059-211-100	Top-bead 5.5mm		
48 169 C.I. (2.8L) 5P FORKLIFT - INDUST.				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Seats	Int.	PC1750-9	1.750x.312x1.375 HI-CHROME		
		M21750-9	" " " TUNGSTEN CARBIDE		
	Exh.	PC1562-7	1.562x.250x1.250 HI-CHROME		
		M21562-7	" " " TUNGSTEN CARBIDE		
49 2754cc (2.8L) DOHC, GAS, FI, VIN M, 5MGE 1982-88				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1982-88 P3585	1.73x8mmx4.23		
		1982-88 P3585EPN	1.77x8mmx4.23 - .040 O/S		
	Exh.	1982-88 P3586	1.41x8mmx4.31		
		1982-88 P3586EPN	1.45x8mmx4.31 - OVERSIZE .040		
Seats	Int.	1982-88 PC1812-57	1.812x.295x1.436/1.578 HI-CHROME		
	Exh.	1982-88 PC1500-72	1.500x.275x1.182/1.260 HI-CHROME		
Guides	Both	1982-88 B503	.315x.514x1.870 BRONZE		
		1982-88 C503	" " "		
Seals	Both	1982-88 AV8271-F0	.315x.512 "Viton" - "Poly" available		
Locks	Both	1982-88 059-209-500	Single-groove 8mm		
		1982-88 059-811-100	Single-groove 8mm		
50 2759cc (2.8L) SOHC, GAS, FI, VIN M, 5ME 1981-82				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1981-82 P3259	1.65x8mmx4.58		
	Exh.	1981-82 P3064	1.29x8mmx4.437		
Seats	Int.	1981-82 PC1750-63	1.750x.315x1.410/1.540 HI-CHROME		
	Exh.	1981-82 PC1437-56	1.437x.315x1.110/1.215 HI-CHROME		
Guides		Bronze Cast			
	Int.	1981-82 B305 C305	.315x.513x1.970		
	Exh.	1981-82 B307 C307	.315x.513x1.970		
Seals	Both	1981-82 55014	.315x.512 "Poly"		
		1981-82 55016	.315x.515 "Poly"		
		1981-82 315514-P	.315x.514 "Poly"		
Locks	Both	1981-82 059-209-500	Single-groove 8mm		
		1981-82 059-811-100	Single-groove 8mm		
51 2954cc (3.0L) DOHC, GAS, FI, VIN M, 7MGE, 7MGTE TURBO 1986-92				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1986-92 P3834	1.26x6mmx3.85		
		1986-92 P3834HP-C	1.29x6mmx3.86 - 1mm O/S		
	Exh.	1986-92 P3833	1.08x6mmx3.85		
		1986-92 P3833HP-C	1.12x6mmx3.86 - 1mm O/S		
Seats	Int.	1986-92 PC1312-60	1.312x.260x1.070 HI-CHROME		
	Exh.	1986-92 PC1187-52	1.187x.257x0.934/0.995 HI-CHROME		

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51 2954cc (3.0L) DOHC, GAS, FI, VIN M, 7MGE, 7MGTE TURBO 1986-92 (CONT.)					4 VALVE	L6
PART		YEARS	PART NO.		NOTES	
Guides	Int.	1986-92	Bronze	Cast	.237x.435x1.460 .237x.435x1.595 - O/S AVAILABLE	
	Exh.	1986-92	B511	C511		
Seals	Both	1986-92	B8038	C8038		
Locks	Both	1986-92	BV1883-IO		.236x.433 “Viton” - “Poly” available	
			059-211-058		Round-bead 6mm	
52 2959cc (3.0L) DOHC, GAS, FI, VIN V, 3VZFE 1992-93					4 VALVE	L6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1992-93	PV2585		1.34x6mmx3.743	
	Exh.	1992-93	PV2641X		1.07x6mmx3.727	
Seats	Int.	1992-93	PC1437-72		1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1992-93	PC1187-53		1.187x.235x0.935 HI-CHROME	
Guides	Both	1992-93	B8038		.237x.435x1.595 BRONZE	
		1992-93	C8038		“ “ “ - O/S AVAILABLE	
Seals	Both	1992-93	BV1883-IO		.236x.433 “Viton” - “Poly” available	
Locks	Both	1992-93	059-211-058		Round-bead 6mm	
53 2959cc (3.0L) SOHC, GAS, FI, VIN V, 3VZE 1988-95					2 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1988-95	PV2587		1.65x8mmx4.10	
		1988-95	PV2587XN		1.65x8mmx4.10 NITRIDED / STELLITE	
	Exh.	1988-95	PV2586		1.37x8mmx4.11	
		1988-95	PV2586N		1.37x8mmx4.11 NITRIDED / WAFER TIP	
Seats	Int.	1988-95	PC1750-68		1.750x.316x1.415 HI-CHROME	
	Exh.	1988-95	PC1562-69		1.562x.317x1.219 HI-CHROME	
		1988-95	PC1562-69N		“ “ “ HI-NICKEL	
		1988-95	M21562-69		“ “ “ TUNGSTEN CARBIDE	
		1988-95	PC1562-72		1.562x.316x1.180 HI-CHROME	
Guides	Both	1988-95	B510		.316x.514x1.820 BRONZE	
		1988-95	C510		“ “ “ - O/S AVAILABLE	
		1988-95	C510A		.316x.514x1.820	
Seals	Exh.	1988-95	AV8271-F0		.315x.512 “Viton” - “Poly” available	
	Both	1988-95	59553		.315x.512 “Viton” - Int. ONLY 88-93	
Locks	Both	1988-95	059-618-971		Center-bead 8mm	
Head Bolt Sets		1988-95	PHB179-16		11mmx4.890	
54 2995cc (3.0L) DOHC, GAS, FI, VIN F, G, 1MZFE 1994-06					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1994-06	PV4524		1.33x5.5mmx3.75	
	Exh.	1994-06	PV4525X		1.07x5.5mmx3.75	
Seats	Int.	1994-06	PC1437-72		1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1994-06	PC1187-53		1.187x.235x0.935 HI-CHROME	
Guides	Int.	1994-06	C8584		.217x.407x1.360	
	Exh.	1994-06	C8585		.217x.407x1.590	
Seals	Both	1994-06	BV5044-E0		.217x.407 “Viton” - “Poly” available	
Locks	Both	1994-06	059-211-100		Top-bead 5.5mm	

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55 2997cc (3.0L) DOHC, GAS, FI, VIN D, E, J, 2JZGE, 2JZGTE TURBO 1994-98					4 VALVE	L6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1994-98	PV4706		1.31x6mmx3.88	
	Exh.	1994-98	PV4707		1.14x6mmx3.90	
Seats	Int.	1994-98	PC1437-72		1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1994-98	PC1250-58		1.250x.255x0.955 HI-CHROME	
Guides	Int.	1994-98	Bronze	Cast	.237x.436x1.520	
	Exh.	1994-98	B526	C526	.237x.435x1.595 - O/S AVAILABLE	
Seals	Both	1994-98	BV1883-IO		.236x.433 "Viton" - "Poly" available	
		1994-98	236434		.236x.434 "Viton"	
56 3300cc (3.3L) DOHC, ELECTRIC/GAS, GAS, FI, 3MZFE 2004-10					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	2004-10	PV4524		1.33x5.5mmx3.75	
	Exh.	2004-10	PV4525X		1.07x5.5mmx3.75	
Guides	Int.	2004-10	C8584		.217x.407x1.360	
	Exh.	2004-10	C8585		.217x.407x1.590	
Seals	Both	2004-10	BV5044-E0		.217x.407 "Viton" - "Poly" available	
Locks	Both	2004-10	059-211-100		Top-bead 5.5mm	
57 3378cc (3.4L) DOHC, GAS, FI, VIN N, V, 5VZFE 1995-04					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1995-04	PV2585		1.34x6mmx3.743	
	Exh.	1995-04	PV2641X		1.07x6mmx3.727 - STELLITE	
Seats	Int.	1995-04	PC1437-72		1.437x.257x1.150/1.243 HI-CHROME	
	Exh.	1995-04	PC1187-53		1.187x.235x0.935 HI-CHROME	
Guides	Both	1995-04	Bronze	Cast	.237x.435x1.595 - O/S AVAILABLE	
		1995-04	B8038	C8038	.236x.435x1.600	
		1995-04	B347	C347	.237x.435x1.590	
		1995-04	B560R			
Seals	Both	1995-04	BV1883-IO		.236x.433 "Viton" - "Poly" available	
Locks	Both	1995-04	059-211-058		Round-bead 6mm	
58 3456cc (3.5L) DOHC, GAS, FI, 2GRFE/SE/XE 2005-12					4 VALVE	V6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	2005-12	P5236N		1.49x5.5mmx4.165	
	Exh.	2005-12	P5237N		1.26x5.5mmx4.345	
Guides	Int.	2005-12	C3134		.217x.407x1.630	
	Exh.	2005-12	C3135		.217x.407x1.850	
Seals	Both	2005-12	BV5044-E0		.217x.407 "Viton" - "Poly" available	
Locks	Both	2005-12	059-211-100		Top-bead 5.5mm	
59 3878cc (3.9L) OHV, GAS, CARB, F/FJ 1967-74					2 VALVE	L6
PART		YEARS	PART NO.		NOTES	
Valves	Int.	1967-74	P3267		1.81x8mmx4.92	
	Exh.	1967-74	P3265		1.47x8mmx4.92	
Seats	Int.	1967-74	PC1937-51		1.937x.315x1.540/1.718 HI-CHROME	
	Exh.	1967-74	PC1625-58		1.625x.315x1.280/1.361 HI-CHROME	
		1967-74	M21625-58		" " " TUNGSTEN CARBIDE	

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59 3878cc (3.9L) OHV, GAS, CARB, F/FJ 1967-74 (CONT.) 2 VALVE L6

PART	YEARS	PART NO.	NOTES
Guides	Int.	Bronze Cast	
		B242 C242	.315x.552x2.130
	Exh.	B502	.315x.563x2.760
		B243 C243	.316x.552x2.322
		B504 C504	.315x.563x2.480
		C7527	.315x.564x2.360
Springs	Both	1967-74	051-096 1.210dx0.87id* 45lb.@1.80

60 237 C.I. (3.9L) OHV, F - INDUST. 2 VALVE L6

PART	OE#	PART NO.	NOTES
Valves	Int.	1371160021	P3267 1.81x8mmx4.92
	Exh.	1371560032	P3265 1.47x8mmx4.92
Seats	Int.	PC1937-51	1.937x.315x1.540/1.718 HI-CHROME
	Exh.	PC1625-58	1.625x.315x1.280/1.361 HI-CHROME
		M21625-58	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	Bronze Cast	
		B242 C242	.315x.552x2.130
	Exh.	B243 C243	.316x.552x2.322
Springs	Both	9050145342	051-096 1.210dx0.87id* 45lb.@1.80

61 241 C.I. (3.9L) OHV, 3F - INDUST. 2 VALVE L6

PART	OE#	PART NO.	NOTES
Valves	Int.	13711-61010	P3267 1.81x8mmx4.92
	Exh.	13715-61040	PV2506 1.47x8mmx5.05
Guides	Int.	11122-61011	Bronze Cast
	Exh.	11126-61011	B242 C242 .315x.552x2.130
			B243 C243 .316x.552x2.322
Springs	Both	90501-45342	051-096 1.210dx0.87id* 45lb.@1.80

62 3956cc (4.0L) OHV, GAS, FI, VIN F, 3FE 1988-92 2 VALVE L6

PART	YEARS	PART NO.	NOTES
Valves	Int.	1988-92	P3267 1.81x8mmx4.92
	Exh.	1988-92	PV2506 1.47x8mmx5.05
Seats	Int.	1988-92	PC1937-51 1.937x.315x1.540/1.718 HI-CHROME
	Exh.	1988-92	PC1625-58 1.625x.315x1.280/1.361 HI-CHROME
		1988-92	M21625-58 “ “ “ TUNGSTEN CARBIDE
Guides	Int.	1988-92	Bronze Cast
	Exh.	1988-92	B242 C242 .315x.552x2.130
			B243 C243 .316x.552x2.322
Locks	Exh.	1988-92	059-209-500 Single-groove 8mm
		1988-92	059-811-100 Single-groove 8mm
Springs	Both	1988-92	051-096 1.210dx0.87id* 45lb.@1.80

63 3956cc (4.0L) DOHC, GAS, FI, 1GRFE 2003-13 4 VALVE V6

PART	YEARS	PART NO.	NOTES
Valves	Int.	2003-12	P5219N 1.43x5.5mmx4.210
		2010-12	P5236N 1.49x5.5mmx4.165
	Exh.	2003-12	P5239XN 1.16x5.5mmx4.165
		2010-12	P5237N 1.26x5.5mmx4.345
Guides	Int.	2003-09	C8584 .217x.407x1.360
	Exh.	2003-09	C8585 .217x.407x1.590

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63 3956cc (4.0L) DOHC, GAS, FI, 1GRFE 2003-13 (CONT.)				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Seals	Both	2003-12	BV5044-E0	.217x.407 "Viton" - "Poly" available	
Locks	Both	2003-12	059-211-100	Top-bead 5.5mm	
64 258 C.I. (4.2L) OHV, 2F - INDUST.				2 VALVE	L6
PART	OE#	PART NO.	NOTES		
Valves	Int.	1371160021	P3267	1.81x8mmx4.92	
	Exh.	1371560032	P3265	1.47x8mmx4.92	
Seats	Int.		PC1937-51	1.937x.315x1.540/1.718 HI-CHROME	
	Exh.		PC1625-58	1.625x.315x1.280/1.361 HI-CHROME	
			M21625-58	" " " TUNGSTEN CARBIDE	
Guides	Int.		B502	.315x.563x2.760 BRONZE	
	Exh.	1112661011	C7527	.315x.564x2.360	
Springs	Both		051-096	1.21odx0.87id* 45lb.@1.80	
65 4227cc (4.2L) OHV, GAS, CARB, VIN F, 2F 1975-87				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1975-87	P3267	1.81x8mmx4.92	
	Exh.	1975-87	P3265	1.47x8mmx4.92	
Seats	Int.	1975-87	PC1937-51	1.937x.315x1.540/1.718 HI-CHROME	
	Exh.	1975-87	PC1625-58	1.625x.315x1.280/1.361 HI-CHROME	
		1975-87	M21625-58	" " " TUNGSTEN CARBIDE	
Guides	Int.	1975-87	Bronze Cast		
		1975-87	B242 C242	.315x.552x2.130	
		1975-87	B502	.315x.563x2.760	
	Exh.	1975-87	B243 C243	.316x.552x2.322	
		1975-87	B504 C504	.315x.563x2.480	
		1975-87	C7527	.315x.564x2.360	
Springs	Both	1975-87	051-096	1.21odx0.87id* 45lb.@1.80	
66 4293cc (4.3L) DOHC, 3UZFE 2001-10				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2001-10	P5071	1.35x5.5mmx3.74	
		2001-10	P5278	1.35x5.5mmx3.744	
	Exh.	2001-10	P5150	1.14x5.5mmx3.74	
		2001-10	P5150N	1.14x5.5mmx3.742 NITRIDED	
Guides	Int.	2001-10	C8584	.217x.407x1.360	
	Exh.	2001-10	C8585	.217x.407x1.590	
Seals	Both	2001-10	BV5044-E0	.217x.407 "Viton" - "Poly" available	
67 4477cc (4.5L) DOHC, GAS, FI, VIN D, J, 1FZFE 1993-97				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Seals	Both	1993-97	276455	.276x.455 "Viton"	
68 4608cc (4.6L) DOHC, 1URFSE 2008-11				4 VALVE	V8
PART	YEARS	PART NO.	NOTES		
Seals	Both	2008-11	BV5044-E0	.217x.407 "Viton" - "Poly" available	

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69 4608cc (4.6L) DOHC, GAS, FI, 1URFE 2010-13 4 VALVE V8				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2007-12	P5236N	1.49x5.5mmx4.165
	Exh.	2007-12	P5237N	1.26x5.5mmx4.345
Guides	Int.	2007-12	C3134	.217x.407x1.630
	Exh.	2007-12	C3135	.217x.407x1.850
Seals	Both	2007-12	BV5044-E0	.217x.407 "Viton" - "Poly" available
Locks	Both	2007-12	059-211-100	Top-bead 5.5mm
70 4663cc (4.7L) DOHC, GAS, FI, VIN T, 2UZFE 1998-09 4 VALVE V8				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1998-09	P5071	1.35x5.5mmx3.74
		1998-09	P5278	1.35x5.5mmx3.744
	Exh.	1998-09	P5150	1.14x5.5mmx3.74
		1998-09	P5150N	1.14x5.5mmx3.742 NITRIDED
Guides	Int.	1998-09	C8584	.217x.407x1.360
	Exh.	1998-09	C8585	.217x.407x1.590
Seals	Both	1998-09	BV5044-E0	.217x.407 "Viton" - "Poly" available
Locks	Both	1998-09	059-211-100	Top-bead 5.5mm
71 4969cc (5.0L) DOHC, 2UR-FSE/GSE 2008-11 4 VALVE V8				
PART		YEARS	PART NO.	NOTES
Seals	Both	2007-11	BV5044-E0	.217x.407 "Viton" - "Poly" available
Locks	Both		059-211-100	Top-bead 5.5mm
72 5663cc (5.7L) DOHC, GAS, FI, FLEX, 3URFE, 3URFBE 2007-13 4 VALVE V8				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2007-12	P5236N	1.49x5.5mmx4.165
	Exh.	2007-12	P5237N	1.26x5.5mmx4.345
Guides	Int.	2007-12	C3134	.217x.407x1.630
	Exh.	2007-12	C3135	.217x.407x1.850
Seals	Both	2007-12	BV5044-E0	.217x.407 "Viton" - "Poly" available
Locks	Both	2007-12	059-211-100	Top-bead 5.5mm



2014 Toyota Tundra (5.7L) DOHC, 4 VALVE V8

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3	1457/1588cc, SOHC, GAS, GOLF/PASSAT, GLS/GS, JETTA, CL/GL/GS, RABBIT 8/81	2 VALVE	L4
4	1457cc (1.5L) SOHC, GAS, CARB, FI, EH, FX 1978-80	2 VALVE	L4
5	1471cc (1.5L) SOHC, GAS, CARB, FC, FG, XR, XS, XV, XW, XY, XZ (AUDI) 1974-75 1588cc (1.6L) FI, EE, EJ, YG, YH, YK (AUDI) 1976-80	2 VALVE	L4
6	1471cc (1.5L) SOHC, DIESEL, FI, CK 1977-80	2 VALVE	L4
7	1588cc (1.6L) SOHC, DIESEL, FI, VIN F, G, H, CR, CS, IV, JK, ME (AUDI) 1981-92	2 VALVE	L4
8	1588cc (1.6L) SOHC, TRANSPORTER, TURBO, DIESEL 9/80-87 SOHC, GOLF STD, JETTA STD, PASSAT STD TURBO 3/82-7/85	2 VALVE	L4
9	1588cc (1.6L) SOHC, GOLF C, JETTA C, CL, RABBIT DIESEL 8/81-7/85	2 VALVE	L4
10	1588cc (1.6L) SOHC, GOLF D, GLD, LD, JETTA D, RABBIT DIESEL UP TO 8/81	2 VALVE	L4
11	1588cc (1.6L) SOHC, DIESEL, FI, VIN H, CY, MD, MF, TURBO 1983-86	2 VALVE	L4
12	1595/1921cc, PASSAT CLS, GOLF C/CL/GL, JETTA C/CL/GL, PASSAT C/CL/GL 8/81		L4
13	1715cc (1.7L) SOHC, GAS, CARB, FI, VIN A, B, EN, JF, WT (AUDI) 1981-84	2 VALVE	L4
14	1715cc, SOHC, TRANSPORTER D, CRAVELLE D, DIESEL 1986-7/87	2 VALVE	L4
15	1780cc (1.8L) SOHC, GAS, FI, VIN A, B, C, K, 2H 1983-92 ABG, GX, HT, JH, JN, PF, RD, RV, UM (AUDI)	2 VALVE	L4
16	1780cc (1.8L) DOHC, GAS, FI, VIN B, C, PL 1987-89	4 VALVE	L4
17	1781cc (1.8L) DOHC, GAS, FI, AEB, APH, ATW, AUG 1998-06 AWD, AWM, AWP, AWV, AWW, TURBO (AUDI)	5 VALVE	L4
18	1791cc (1.8L) SOHC, GAS, GLI/GTI, SCIROCCO, GTS 1/83	2 VALVE	L4
19	1896cc (1.9L) SOHC, DIESEL, FI, VIN G, 1Z, AHU 1996-97	2 VALVE	L4
20	1896cc (1.9L) SOHC, DIESEL, FI, VIN F, AHU, ALH, BEW, BRM 1998-06	2 VALVE	L4
21	1921cc, SOHC, PASSAT, GL55/L55 1980-7/81	2 VALVE	L4
22	1967cc (2.0L) SOHC, DIESEL, FI, VIN E, BHW, TURBO 2004-05 1984cc (2.0L) SOHC, GAS, FI, CBPA 2011-13	2 VALVE	L4
23	1968cc (2.0L) DOHC, DIESEL, FI, CBEA, TDI, CJAA, CKRA 2009-13 1984cc (2.0L) DOHC, GAS, FI, CBFA, CCTA, CRZA, TURBO 2008-13	4 VALVE	L4
24	1984cc (2.0L) DOHC, GAS, FI, VIN B, C, E, J, 9A 1990-93	2 VALVE	L4
25	1984cc (2.0L) SOHC, GAS, FI, VIN A, B, C, L, R, ABA 1993-02	2 VALVE	L4
26	1984cc (2.0L) SOHC, GAS, FI, VIN B, AEG, AVH, AZG, BBW, BDC, BEV, BGD 1998-06	2 VALVE	L4
27	1984cc (2.0L) DOHC, GAS, FI, BPY, TURBO (AUDI) 2006-09 2480cc (2.5L) DOHC, GAS, FI, B6P, BGQ, BPR, BPS, CBTA, CBUA 2005-09	4 VALVE 4 VALVE	L4 L5

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29	2459cc (2.5L) SOHC, GAS, FI, VIN C, D, E, AAF, ACU 1993-95	4 VALVE	L5
30	2771cc (2.8L) DOHC, GAS, FI, VIN A, D, H, AHA, AMX, ATQ (AUDI) 1998-05	5 VALVE	V6
31	2792cc (2.8L) SOHC, DOHC, GAS, FI, VIN D, E, F, AAA, AFP, VR6 1992-02	2 VALVE	V6
32	2792cc (2.8L) DOHC, GAS, FI, BDF, AFP, AWV, AXK 2002-05	4 VALVE	V6
33	2967cc (3.0L) DOHC, DIESEL , FI, CATA, TDI 2009-12	4 VALVE	V6
	2995cc (3.0L) DOHC, ELECTRIC/GAS, FI, CGFA, SUPERCHARGED 2011-13	4 VALVE	V6
34	3189cc (3.2L) DOHC, GAS, FI, BAA, BJS, BMX, BUB (AUDI) 2004-08	4 VALVE	V6
	3597cc (3.6L) BHK, BHL, BLV, CDVB, CGRA, CNNA 2006-13	4 VALVE	V6
35	3952cc (4.0L) SOHC, (CHRYSLER) 2009-11	4 VALVE	V6
36	4163cc (4.2L) DOHC, GAS, FI, BAR 2007-09	4 VALVE	V8
	4172cc (4.2L) DOHC, GAS, FI, AXQ, BGH 2004-07	5 VALVE	V8
37	4921cc (5.0L) SOHC, DIESEL , FI, BKW, BWF, TURBO 2004-07	5 VALVE	V10

1 1297cc, SOHC, JETTA, C/CL/GL/PASSAT, C/CL 8/83					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	8/83	PEP101	1.33x8mmx3.88		
	Exh.	8/83	PV2399	1.22x8mmx3.87		
Guides	Both	8/83	B202	.315x.476x2.400 BRONZE - O/S AVAILABLE		
		8/83	C202	“ “ “ - O/S AVAILABLE		
Locks	Both	8/83	059-199-500	3 Round-groove 8mm		
2 SOHC, GOLF, RABBIT, SCIROCOO L, PASSAT, GL/LS/S 1973-78					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1973-78	PEP101	1.33x8mmx3.88		
	Exh.	1973-78	PEP106	1.23x8mmx3.87		
Guides	Both	1973-78	B202	.315x.476x2.400 BRONZE - O/S AVAILABLE		
		1973-78	C202	“ “ “ - O/S AVAILABLE		
Seals	Exh.	1973-78	32689	.315x.425 “Viton”		
		1973-78	EB127	.315x.425 “Poly”		

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3 1457/1588cc, SOHC, GAS, GOLF/PASSAT, GLS/GS, JETTA, CL/GL/GS, RABBIT 8/81					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	8/81	PEP101	1.33x8mmx3.88		
	Exh.	8/81	PV2399	1.22x8mmx3.87		
Guides	Both	8/81	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE		
		8/81	C222F	“ “ “ - O/S AVAILABLE		
Seals	Exh.	8/81	32689	.315x.425 “Viton”		
		8/81	EB127	.315x.425 “Poly”		
Locks	Both	8/81	059-199-500	3 Round-groove 8mm		
4 1457cc (1.5L) SOHC, GAS, CARB, FI, EH, FX 1978-80					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1978-80	PEP101	1.33x8mmx3.88		
	Exh.	1978-80	PEP106	1.23x8mmx3.87		
Seats	Int.	1978-80	PC1437-50	1.437x.305x1.140/1.241 HI-CHROME		
		1978-80	M21437-50	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1978-80	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME		
		1978-80	PC1312-56	1.312x.305x1.086 HI-CHROME		
Guides	Both	1978-80	C7359	.315x.476x1.435 - O/S AVAILABLE		
		1978-80	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE		
		1978-80	C222F	“ “ “ - O/S AVAILABLE		
		1978-80	B222F SPEC	.316x.476x1.440 BRONZE		
		1978-80	B370	.315x.475x1.437 BRONZE		
Seals	Both	1978-80	32689	.315x.425 “Viton”		
		1978-80	EB127	.315x.425 “Poly”		
Locks	Both	1978-80	059-211-020	Top-bead 8mm		
Springs	Both	1978-80	051-106	1.180dx0.90id* 23Lb.@1.45 - OUTER		
		1978-80	051-107	0.810dx0.62id* 12Lb.@1.25 - INNER		
5 1471cc (1.5L) SOHC, GAS, CARB, FC, FG, XR, XS, XV, XW, XY, XZ (AUDI) 1974-75					2 VALVE	L4
1588cc (1.6L) FI, EE, EJ, YG, YH, YK (AUDI) 1976-80						
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1974-80	PEP101	1.33x8mmx3.88		
	Exh.	1974-75	PEP106	1.23x8mmx3.87		
Seats	Int.	1974-75	PC1437-50	1.437x.305x1.140/1.241 HI-CHROME		
		1974-75	M21437-50	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1974-75	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME		
		1974-75	PC1312-56	1.312x.305x1.086 HI-CHROME		
Guides	Both	1974-75	C7359	.315x.476x1.435 - O/S AVAILABLE		
		1974-75	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE		
		1974-75	C222F	“ “ “ - O/S AVAILABLE		
		1974-75	B222F SPEC	.316x.476x1.440 BRONZE		
		1974-75	B370	.315x.475x1.437 BRONZE		
Seals	Both	1974-75	32689	.315x.425 “Viton”		
		1974-75	EB127	.315x.425 “Poly”		
Locks	Both	1974-75	059-211-020	Top-bead 8mm		
Springs	Both	1974-75	051-106	1.180dx0.90id* 23Lb.@1.45 - OUTER		
		1974-75	051-107	0.810dx0.62id* 12Lb.@1.25 - INNER		

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6 1471cc (1.5L) SOHC, DIESEL , FI, CK 1977-80 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1977-80	P3035	1.33x8mmx4.12
	Exh.	1977-80	P3036	1.22x8mmx4.11
Seats	Int.	1977-80	PC1437-50	1.437x.305x1.140/1.241 HI-CHROME
		1977-80	M21437-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1977-80	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME
		1977-80	PC1312-56	1.312x.305x1.086 HI-CHROME
Guides	Both	1977-80	C7359	.315x.476x1.435 - O/S AVAILABLE
		1977-80	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE
		1977-80	C222F	“ “ “ - O/S AVAILABLE
		1977-80	B222F SPEC	.316x.476x1.440 BRONZE
		1977-80	B370	.315x.475x1.437 BRONZE
Seals	Both	1977-80	32689	.315x.425 “Viton”
		1977-80	EB127	.315x.425 “Poly”
Locks	Both	1977-80	059-211-020	Top-bead 8mm
Springs	Both	1977-80	051-106	1.180dx0.90id* 23Lb.@1.45 - OUTER
		1977-80	051-107	0.810dx0.62id* 12Lb.@1.25 - INNER
7 1588cc (1.6L) SOHC, DIESEL , FI, VIN F, G, H, CR, CS, IV, JK, ME (AUDI) 1981-92 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1981-92	P3035	1.33x8mmx4.12 - 1G
		1981-92	PV2404	1.33x8mmx4.12 - 3G
	Exh.	1981-92	P3036	1.22x8mmx4.11 - 1G
		1981-92	P3262	1.22x8mmx4.11 - 3G
Seats	Int.	1981-92	PC1437-50	1.437x.305x1.140/1.241 HI-CHROME
		1981-92	M21437-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1981-92	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME
		1981-92	PC1312-56	1.312x.305x1.086 HI-CHROME
Guides	Both	1981-92	C7359	.315x.476x1.435 - O/S AVAILABLE
		1981-92	C0004	.315x.476x1.440
		1981-92	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE
		1981-92	C222F	“ “ “ - O/S AVAILABLE
		1981-92	B222F SPEC	.316x.476x1.440 BRONZE
		1981-92	B370	.315x.475x1.437 BRONZE
Seals	Both	1981-92	32689	.315x.425 “Viton”
		1981-92	EB127	.315x.425 “Poly”
Locks	Both	1981-85	059-211-020	Top-bead 8mm
		1981-92	059-199-500	3 Round-groove 8mm
Springs	Both	1981-92	051-106	1.180dx0.90id* 23Lb.@1.45 - OUTER
		1981-92	051-107	0.810dx0.62id* 12Lb.@1.25 - INNER
8 1588cc (1.6L) SOHC, TRANSPORTER, TURBO, DIESEL 9/80-87 2 VALVE L4				
SOHC, GOLF STD, JETTA STD, PASSAT STD TURBO 3/82-7/85				
PART		YEARS	PART NO.	NOTES
Valves	Exh.	9/80-87	P3262	1.22x8mmx4.11
Guides	Both	9/80-87	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE
		9/80-87	C222F	“ “ “ - O/S AVAILABLE
Seals	Exh.	9/80-87	32689	.315x.425 “Viton”
			EB127	.315x.425 “Poly”
Locks	Both	9/80-87	059-199-500	3 Round-groove 8mm

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9 1588cc (1.6L) SOHC, GOLF C, JETTA C, CL, RABBIT DIESEL 8/81-7/85 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	8/81-7/85	PV2404	1.33x8mmx4.12
	Exh.	8/81-7/85	P3262	1.22x8mmx4.11
Guides	Both	8/81-7/85 8/81-7/85	B222F C222F	.315x.476x1.440 BRONZE - O/S AVAILABLE “ “ “ - O/S AVAILABLE
Seals	Exh.	8/81-7/85 8/81-7/85	32689 EB127	.315x.425 “Viton” .315x.425 “Poly”
Locks	Both	8/81-7/85	059-199-500	3 Round-groove 8mm
10 1588cc (1.6L) SOHC, GOLF D, GLD, LD, JETTA D, RABBIT DIESEL UP TO 8/81 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	UP TO 8/81	P3035	1.33x8mmx4.12
	Exh.	UP TO 8/81	P3036	1.22x8mmx4.11
Guides	Both	UP TO 8/81 UP TO 8/81	B222F C222F	.315x.476x1.440 BRONZE - O/S AVAILABLE “ “ “ - O/S AVAILABLE
Seals	Int.	UP TO 8/81 UP TO 8/81	32689 EB127	.315x.425 “Viton” .315x.425 “Poly”
Locks	Both	UP TO 8/81	059-211-020	Top-bead 8mm
11 1588cc (1.6L) SOHC, DIESEL , FI, VIN H, CY, MD, MF, TURBO 1983-86 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1983-86	PV2404	1.33x8mmx4.12 - 3G
	Exh.	1983-86	P3036	1.22x8mmx4.11 - 1G
		1983-86	P3262	1.22x8mmx4.11 - 3G
Guides	Both	1983-86	C7359	.315x.476x1.435 - O/S AVAILABLE
		1983-86	C0004	.315x.476x1.440
		1983-86	B222F	.315x.476x1.440 BRONZE - O/S AVAILABLE
		1983-86	C222F	“ “ “ - O/S AVAILABLE
		1983-86	B222F SPEC	.316x.476x1.440 BRONZE
		1983-86	B370	.315x.475x1.437
Seals	Both	1983-86	32689	.315x.425 “Viton”
		1983-86	EB127	.315x.425 “Poly”
Locks	Both	1983-86	059-211-020	Top-bead 8mm
		1983-86	059-199-500	3 Round-groove 8mm
12 1595/1921cc, PASSAT CLS, GOLF C/CL/GL, JETTA C/CL/GL, PASSAT C/CL/GL 8/81 L4				
PART		YEARS	PART NO.	NOTES
Guides	Both	8/81	B269	.315x.476x1.665 BRONZE - O/S AVAILABLE
		8/81	C269	“ “ “
Seals	Int.	8/81 8/81	32689 EB127	.315x.425 “Viton” .315x.425 “Poly”
Locks	Both	8/81	059-199-500	3 Round-groove 8mm
13 1715cc (1.7L) SOHC, GAS, CARB, FI, VIN A, B, EN, JF, WT (AUDI) 1981-84 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1981-84	PEP101	1.33x8mmx3.88
	Exh.	1981-84	PEP106	1.23x8mmx3.87
		1981-84	PV2399	1.22x8mmx3.87
Seats	Int.	1981-84	PC1437-50	1.437x.305x1.140/1.241 HI-CHROME
		1981-84	M21437-50	“ “ “ TUNGSTEN CARBIDE
	Exh.	1981-84	PC1312-50	1.312x.305x1.086/1.153 HI-CHROME
		1981-84	PC1312-56	1.312x.305x1.086 HI-CHROME

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13 1715cc (1.7L) SOHC, GAS, CARB, FI, VIN A, B, EN, JF, WT (AUDI) 1981-84 (CONT.) 2 VALVE L4					
PART		YEARS	PART NO.		NOTES
Guides	Exh.	1981-84	B269		.315x.476x1.665 BRONZE - O/S AVAILABLE
		1981-84	C269		“ “ “
		1981-84	C269G		.314x.476x1.670
	Both	1981-84	C7359		.315x.476x1.435 - O/S AVAILABLE
		1981-84	C0004		.315x.476x1.440
		1981-84	B222F		.315x.476x1.440 BRONZE - O/S AVAILABLE
		1981-84	C222F		“ “ “ - O/S AVAILABLE
		1981-84	B222F SPEC		.316x.476x1.440 BRONZE
		1981-84	B370		.315x.475x1.437 BRONZE
Seals	Both	1981-84	32689		.315x.425 “Viton”
		1981-84	EB127		.315x.425 “Poly”
Locks	Both	1981-84	059-211-020		Top-bead 8mm
		1981-84	059-199-500		3 Round-groove 8mm
Springs	Both	1981-84	051-106		1.180dx0.90id* 23Lb.@1.45 - OUTER
		1981-84	051-107		0.810dx0.62id* 12Lb.@1.25 - INNER
14 1715cc, SOHC, TRANSPORTER D, CRAVELLE D, DIESEL 1986-7/87 2 VALVE L4					
PART		YEARS	PART NO.		NOTES
Valves	Int.	1986-7/87	PV2404		1.33x8mmx4.12
	Exh.	1986-7/87	P3262		1.22x8mmx4.11
Guides	Both	1986-7/87	B222F		.315x.476x1.440 BRONZE - O/S AVAILABLE
		1986-7/87	C222F		“ “ “ - O/S AVAILABLE
Seals	Int.	1986-7/87	32689		.315x.425 “Viton”
			EB127		.315x.425 “Poly”
Locks	Both	1986-7/87	059-199-500		3 Round-groove 8mm
Springs	Both	1986-7/87	051-106		1.180dx0.90id* 23Lb.@1.45 OUTER
		1986-7/87	051-107		0.810dx0.62id* 12Lb.@1.25 INNER
15 1780cc (1.8L) SOHC, GAS, FI, VIN A, B, C, K, 2H 1983-92 2 VALVE L4					
ABG, GX, HT, JH, JN, PF, RD, RV, UM (AUDI)					
PART		YEARS	PART NO.		NOTES
Valves	Int.	1983-92	PV2413		1.57x8mmx3.58
	Exh.	1983-92	P3496		1.30x8mmx3.57
Seats	Int.	1985-92	PC1625-50		1.625x.307x1.340/1.426 HI-CHROME
	Exh.	1985-92	PC1375-55		1.375x.325x1.125 HI-CHROME
		1985-92	M21375-55		“ “ “ TUNGSTEN CARBIDE
Guides	Exh.	1983-84	Bronze	Cast	.315x.476x1.665 - O/S AVAILABLE
		1983-84	B269	C269	
	Both	1983-92		C269G	.315x.476x1.435 - O/S AVAILABLE
		1984-84		C7359	.314x.474x1.805 - O/S AVAILABLE
Seals	Both	1983-92	B308		.315x.425 “Viton”
			C308		
Locks	Both	1983-92	32689		3 Round-groove 8mm
Springs	Both	1983-92	EB127		
		1983-92	059-199-500		
Springs	Both	1983-92	051-106		1.180dx0.90id* 23Lb.@1.45 - OUTER
		1983-92	051-107		0.810dx0.62id* 12Lb.@1.25 - INNER

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16 1780cc (1.8L) DOHC, GAS, FI, VIN B, C, PL 1987-89					4 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1987-89	PEP109	1.26x7mmx3.76		
	Exh.	1987-89	PEP110	1.10x7mmx3.86		
Seats	Int.	1987-89	PC1312-64	1.312x.316x1.045 HI-CHROME		
		1987-89	M21312-64	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1987-89	PC1125-54	1.125x.325x0.900 HI-CHROME		
Guides	Int.	1987-89	B349F	.275x.476x1.435 BRONZE		
			B350FI	.274x.476x1.698 BRONZE - TAPERED		
	Exh.		B350FE	.274x.476x1.498 BRONZE - TAPERED		
	Both	1987-89 1987-89	B350F C350F	.275x.476x1.500 BRONZE - O/S AVAILABLE “ “ “		
Seals	Both	1987-89	12015153	.276x.386 “Viton”		
		1987-89	12015153-P	“ “ “Poly”		
17 1781cc (1.8L) DOHC, GAS, FI, AEB, APH, ATW, AUG 1998-06					5 VALVE	L4
AWD, AWM, AWP, AWV, AWW, TURBO (AUDI)						
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1998-06	PV4614CFM	1.05x6mmx4.13		
		1998-06	PV4614HP-C	1.05x6mmx4.13		
	Exh.	1998-06	PV4612	1.17x6mmx4.09		
		1998-06	PV4615CFM	1.17x6mmx4.09		
		1998-06	PV4615HP-C	1.17x6mmx4.09		
Seats	Int.	1998-06	PC1125-53	1.125x.237x0.890/0.976 HI-CHROME		
	Exh.	1998-06	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME		
Guides	Both	1998-06	B630	.235x.435x1.425 BRONZE - O/S AVAILABLE		
Seals	Both	1998-06	235346	.235x.346 “Viton”		
		1998-06	235347	.235x.347 “Viton”		
Locks	Both	1998-06	059-236-6MM	3 Round-bead 6mm		
Springs	Int.	1998-06	050-471	0.81odx .57id* 23Lb.@1.47		
	Exh.	1998-06	052-302	1.16odx0.83id* 25Lb.@1.58		
		1998-06	050-472	1.16odx .83id* 28Lb.@1.54		
Cyl. Heads		1998-06	CHVW18T	ALUMINUM		
18 1791cc (1.8L) SOHC, GAS, GLI/GTI, SCIROCCO, GTS 1/83					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1/83	PEP111HP-C	1.58x8mmx4.07		
	Exh.	1/83	PEP112HP-C	1.38x8mmx4.08		
Guides	Both	1/83	B269	.315x.476x1.665 BRONZE - O/S AVAILABLE		
		1/83	C269	“ “ “		
Seals	Exh.	1/83	32689	.315x.425 “Viton”		
		1/83	EB127	.315x.425 “Poly”		
Locks	Both	1/83	059-199-500	3 Round-groove 8mm		
19 1896cc (1.9L) SOHC, DIESEL , FI, VIN G, 1Z, AHU 1996-97					2 VALVE	L4
PART		YEARS	PART NO.	NOTES		
Guides	Both	1996-97	C7359	.315x.476x1.435 - O/S AVAILABLE		
Seals	Both	1996-97	32689	.315x.425 “Viton”		
		1996-97	EB127	.315x.425 “Poly”		

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20 1896cc (1.9L) SOHC, DIESEL , FI, VIN F, AHU, ALH, BEW, BRM 1998-06 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1998-06 1998-06	P5153 P5152	1.41x7mmx3.81 1.23x7mmx3.81
Guides	Both	1998-06 1998-06	B350F C350F	.275x.476x1.500 BRONZE - O/S AVAILABLE “ “ “
Seals	Both	1998-06 1998-06	12015153 12015153-P	.276x.386 “Viton” “ “ “Poly”
Locks	Both	1998-06	059-211-128	3 Round-groove 7mm
21 1921cc, SOHC, PASSAT, GL55/L55 1980-7/81 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Exh.	1980-7/81	PEP106	1.23x8mmx3.87
Guides	Int. Exh.	1980-7/81 1980-7/81	Bronze Cast B222F C222F B269 C269	.315x.476x1.440 - O/S AVAILABLE .315x.476x1.665 - O/S AVAILABLE
22 1967cc (2.0L) SOHC, DIESEL , FI, VIN E, BHW, TURBO 2004-05 2 VALVE L4 1984cc (2.0L) SOHC, GAS, FI, CBPA 2011-13				
PART		YEARS	PART NO.	NOTES
Seals	Both		12015153	.276x.386 “Viton”
Locks	Both		059-211-128	3 Round-groove 7mm
23 1968cc (2.0L) DOHC, DIESEL , FI, CBEA, TDI, CJAA, CKRA 2009-13 4 VALVE L4 1984cc (2.0L) DOHC, GAS, FI, CBFA, CCTA, CRZA, TURBO 2008-13				
PART		YEARS	PART NO.	NOTES
Seals	Both		235346	.235x.346 “Viton”
Locks	Both		059-236-6MM	3 Round-bead 6mm
24 1984cc (2.0L) DOHC, GAS, FI, VIN B, C, E, J, 9A 1990-93 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1990-93 1990-93	PEP109 PEP110	1.26x7mmx3.76 1.10x7mmx3.86
Seats	Int. Exh.	1990-93 1990-93 1990-93	PC1312-64 M21312-64 PC1125-54	1.312x.316x1.045 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.125x.325x0.900 HI-CHROME
Guides	Both	1990-93 1990-93 1990-93 1990-93	B350F C350F B349F C8558	.275x.476x1.500 BRONZE - O/S AVAILABLE “ “ “ .275x.476x1.435 BRONZE .272x.476x1.435
Seals	Both	1990-93 1990-93	12015153 12015153-P	.276x.386 “Viton” “ “ “Poly”
25 1984cc (2.0L) SOHC, GAS, FI, VIN A, B, C, L, R, ABA 1993-02 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int. Exh.	1993-02 1993-02	PV4617 PV4618	1.55x7mmx3.61 1.29x7mmx3.58
Guides	Both	1993-02 1993-02	B349F C8558	.275x.476x1.435 BRONZE .272x.476x1.435
Seals	Both	1993-02 1993-02	12015153 12015153-P	.276x.386 “Viton” “ “ “Poly”
Locks	Both		059-211-128	3 Round-groove 7mm

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26 1984cc (2.0L) SOHC, GAS, FI, VIN B, AEG, AVH, AZG, BBW, BDC, BEV, BGD 1998-06 2 VALVE L4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1998-06	PV4617	1.55x7mmx3.61
	Exh.	1998-06	PV4618	1.29x7mmx3.58
Guides	Both	1998-06	B349F	.275x.476x1.435 BRONZE
		1998-06	C8558	.272x.476x1.435
Seals	Both	1998-06	12015153	.276x.386 "Viton"
		1998-06	12015153-P	" " "Poly"
Locks	Both		059-211-128	3 Round-groove 7mm
27 1984cc (2.0L) DOHC, GAS, FI, BPY, TURBO (AUDI) 2006-09 4 VALVE L4				
2480cc (2.5L) DOHC, GAS, FI, B6P, BGQ, BPR, BPS, CBTA, CBUA 2005-09 4 VALVE L5				
PART		YEARS	PART NO.	NOTES
Valves	Int.	2005-09	P5180	1.33x6mmx4.09
	Exh.	2005-09	P5179	1.10x6mmx4.015
Guides	Exh.	2006-09	B2075	.236x.435x1.540 BRONZE
	Both	2006-09	B3159	.236x.435x1.415 BRONZE
Seals	Both	2005-09	235346	.235x.346 "Viton"
Locks	Both	2005-09	059-236-6MM	3 Round-bead 6mm
28 2226cc (2.2L) SOHC, GAS, FI, VIN B, E, JT, KX (AUDI) 1985-88 2 VALVE L5				
PART		YEARS	PART NO.	NOTES
Valves	Exh.	1985-88	P3496	1.30x8mmx3.57
Seats	Int.	1985-88	PC1625-50	1.625x.307x1.340/1.426 HI-CHROME
	Exh.	1985-88	PC1375-55	1.375x.325x1.125 HI-CHROME
		1985-88	M21375-55	" " " TUNGSTEN CARBIDE
Guides	Int. Exh.		Bronze Cast	
		1985-88	C7359	.315x.476x1.435 - O/S AVAILABLE
		1985-88	B269 C269	.315x.476x1.665 - O/S AVAILABLE
		1985-88	B308 C308	.314x.474x1.805 - O/S AVAILABLE
Seals	Both	1985-88	32689	.315x.425 "Viton"
Locks	Both	1985-88	059-199-500	3 Round-groove 8mm
29 2459cc (2.5L) SOHC, GAS, FI, VIN C, D, E, AAF, ACU 1993-95 4 VALVE L5				
PART		YEARS	PART NO.	NOTES
Valves	Exh.	1993-95	P3496	1.30x8mmx3.57
Guides	Both	1993-95	C7359	.315x.476x1.435 - O/S AVAILABLE
Seals	Both	1993-95	32689	.315x.425 "Viton"
			EB127	.315x.425 "Poly"
Locks	Both	1993-95	059-199-500	3 Round-groove 8mm

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30 2771cc (2.8L) DOHC, GAS, FI, VIN A, D, H, AHA, AMX, ATQ (AUDI) 1998-05				5 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1998-05	PV4614CFM	1.05x6mmx4.13	
		1998-05	PV4614HP-C	1.05x6mmx4.13	
	Exh.	1998-05	PV4612	1.17x6mmx4.09	
		1998-05	PV4615CFM	1.17x6mmx4.09	
		1998-05	PV4615HP-C	1.17x6mmx4.09	
Seats	Int.	1998-05	PC1125-53	1.125x.237x0.890/0.976 HI-CHROME	
	Exh.	1998-05	PC1250-54	1.250x.257x1.010/1.056 HI-CHROME	
Guides	Both	1998-05	B630	.235x.435x1.425 BRONZE - O/S AVAILABLE	
Seals	Both	1998-05	235346	.235x.346 "Viton"	
		1998-05	235347	.235x.347 "Viton"	
Locks	Both	1998-05	059-236-6MM	3 Round-bead 6mm	
Springs	Int.	1998-05	050-471	0.810dx .57id* 23Lb.@1.47	
	Exh.	1998-05	052-302	1.160dx0.83id* 25Lb.@1.58 - INNER	
		1998-05	050-472	1.160dx .83id* 28Lb.@1.54 - OUTER	
31 2792cc (2.8L) SOHC + DOHC, GAS, FI, VIN D, E, F, AAA, AFP, VR6 1992-02				2 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1992-02	PV4611	1.53x7mmx4.17	
	Exh.	1992-02	PV4613X	1.34x7mmx4.21	
Guides	Both	1992-02	B350F	.275x.476x1.500 BRONZE - O/S AVAILABLE	
		1992-02	C350F	" " "	
Seals	Both	1992-02	12015153	.276x.386 "Viton"	
		1992-02	12015153-P	" " "Poly"	
Locks	Both	1992-01	059-211-128	3 Round-groove 7mm	
32 2792cc (2.8L) DOHC, GAS, FI, BDF, AFP, AWV, AXK 2002-05				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	2002-02	PV4611	1.53x7mmx4.17	
	Exh.	2002-02	PV4613X	1.34x7mmx4.21	
Guides	Both	2002-02	B350F	.275x.476x1.500 BRONZE - O/S AVAILABLE	
		2002-02	C350F	" " "	
		2002-05	B2012	.236x.395x3.065 BRONZE	
Seals	Both	2002-02	12015153	.276x.386 "Viton" - 7mm stem	
		2002-02	12015153-P	" " "Poly" - " "	
		2002-05	235346	.235x.346 "Viton" - 6mm stem	
		2002-05	235347	.235x.347 "Viton"	
Locks	Both	2002-05	059-236-6MM	3 Round-bead 6mm	
33 2967cc (3.0L) DOHC, DIESEL, FI, CATA, TDI 2009-12				4 VALVE	V6
2995cc (3.0L) DOHC, ELECTRIC/GAS, FI, CGFA, SUPERCHARGED 2011-13				4 VALVE	V6
PART	YEARS	PART NO.	NOTES		
Seals	Both	2004-08	235346	.235x.346 "Viton"	
Locks	Both	2004-08	059-236-6MM	3 Round-bead 6mm	

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34 3189cc (3.2L) DOHC, GAS, FI, BAA, BJS, BMX, BUB (AUDI) 2004-08				4 VALVE	V6
3597cc (3.6L) BHK, BHL, BLV, CDVB, CGRA, CNNA 2006-13				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Seals	Both	2004-08	235346	.235x.346 "Viton"	
Locks	Both	2004-08	059-236-6MM	3 Round-bead 6mm	
35 3952cc (4.0L) SOHC, (CHRYSLER) 2009-11				4 VALVE	V6
PART		YEARS	PART NO.	NOTES	
Guides	Int.	2009-11	C8548	.274x.455x2.040	
	Exh.	2009-11	B682	.274x.455x2.166 BRONZE	
		2009-11	C682	" " "	
Locks	Both	2009-11	059-841-600	3 Round-bead 7mm	
36 4163cc (4.2L) DOHC, GAS, FI, BAR 2007-09				4 VALVE	V8
4172cc (4.2L) DOHC, GAS, FI, AXQ, BGH 2004-07				5 VALVE	V8
PART		YEARS	PART NO.	NOTES	
Seals	Both	2004-07	235346	.235x.346 "Viton"	
Locks	Both	2004-07	059-236-6MM	3 Round-bead 6mm	
37 4921cc (5.0L) SOHC, DIESEL, FI, BkW, BWF, TURBO 2004-07				5 VALVE	V10
PART		YEARS	PART NO.	NOTES	
Seals	Both	2004-07	12015153	.276x.386 "Viton"	
		2004-07	12015153-P	" " "Poly"	
Locks	Both		059-211-128	3 Round-bead 7mm	

Notes:

VW (Air-Cooled) H4

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VW (Air-Cooled) H4

1 1192cc, (1.2L) OHV (TYPE 1 - BEETLE) (TYPE 2 - BUS) KARMANN GHIA 1954-65					2 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1959-64	PV1752	1.24x8mmx4.40	31.5 MM - 34 & 40HP	
	Exh.	1959-64	PEP104	1.18x8mmx4.40	30 MM - 34 & 40HP	
Seats	Int.	1960-65	PC1437-56	1.437x.315x1.110/1.215 HI-CHROME	TYPE 1	
	Exh.	1960-65	PC1382E-1V	1.382x.310x1.203 HI-CHROME		
		1960-65	PC1382E-V	1.382x.350x1.060 HI-CHROME		
		1960-65	PC1407E-1V	1.407x.350x1.025 HI-CHROME	40HP	
Guides	Both	1954-60	B201	.276x.397x2.000 BRONZE - O/S AVAILABLE	36 HP	
		1954-60	C201	" " "	36 HP	
		1961-65	B202	.315x.476x2.400 BRONZE - O/S AVAILABLE	40 HP	
		1961-65	C202	" " " - O/S	40 HP	
		1961-65	B202+VGB	.312x.476x2.600 BRONZE - W/ VG BOSS + O/S	40 HP	
Locks	Both	1960-65	059-199-500	3 Round-groove 8mm	40 HP	
Springs	Both	1960-65	050-862	1.210dx0.90id* 75Lb.@1.50	40 HP	
2 1285cc (1.3L) OHV, (TYPE 1 - BEETLE) KARMANN GHIA 1965-66					2 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1965-66	P2791	1.29x8mmx4.40	33 MM	
	Exh.	1965-66	PV1752	1.24x8mmx4.40	31.5 MM	
		1965-66	PEP104	1.18x8mmx4.40	30 MM	
Guides	Both	1965-66	B202	.315x.476x2.400 BRONZE - O/S AVAILABLE		
		1965-66	C202	" " "		
		1965-66	B202+VGB	.312x.476x2.600 BRONZE - W/ VG BOSS + O/S		
Locks	Both	1965-66	059-199-500	3 Round-groove 8mm		
Springs	Both	1965-66	050-862	1.210dx0.90id* 75Lb.@1.50		
3 1493cc, (1.5L) OHV, (TYPE 1 - BEETLE) (TYPE 2 - BUS) TYPE 3, KARMANN GHIA 1963-69					2 VALVE	H4
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1963-69	PEP102	1.39x8mmx4.40	35.5 MM	
	Exh.	1963-69	PEP105HT	1.25x8mmx4.40	32 MM	
		1963-69	PEP108	1.25x8mmx4.40	32 MM	
Seats	Int.	1963-69	PC1407E-V	1.407x.350x1.120 HI-CHROME		
		1963-69	PC1490E-V	1.490x.350x1.260 HI-CHROME		
		1963-69	PC1507E-1V	1.507x.350x1.300 HI-CHROME		
		1963-69	PC1507E-V	1.507x.350x1.281 HI-CHROME		
	Exh.	1963-69	PC1525E-V	1.525x.375x1.260 HI-CHROME		
		1963-69	PC1382E-1V	1.382x.310x1.203 HI-CHROME		
		1963-69	PC1382E-V	1.382x.350x1.060 HI-CHROME		
Guides	Both	1967-69	B202+VGB	.312x.476x2.600 BRONZE - O/S		
		1967-69	B202	.315x.476x2.400 BRONZE - O/S		
		1967-69	C202	" " " - O/S		
Locks	Both	1963-69	059-199-500	3 Round-groove 8mm		
Springs	Both	1963-69	050-862	1.210dx0.90id* 75Lb.@1.50		

VW (Air-Cooled) H4

4 1584cc (1.6L) OHV, (TYPE 1 - BEETLE) (TYPE 2 - BUS) 3, 4, KARMANN GHIA 1966-79 2 VALVE H4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1973	PEP102	1.39x8mmx4.40 35.5 MM
		1971-75	P2981	1.54x8mmx4.61 39 MM
		1975-UP	P2791	1.29x8mmx4.40 33 MM
	Exh.	1971-75	PEP105HT	1.25x8mmx4.40 32 MM
		1973	PEP107	1.29x9mmx4.61 33 MM
			PEP108	1.25x8mmx4.40 32 MM
		1974	P2971	1.25x9mmx4.40 32 MM
			P2970	1.17x9mmx4.40 30 MM
Seats	Int.	1966-79	PC1507E-1V	1.507x.350x1.300 HI-CHROME
		1966-79	PC1507E-V	1.507x.350x1.281 HI-CHROME
		1966-79	PC1525E-V	1.525x.375x1.260 HI-CHROME
		1966-79	PC1490E-V	1.490x.350x1.260 HI-CHROME
	Exh.	1966-79	PC1382E-1V	1.382x.310x1.203 HI-CHROME
		1966-79	PC1382E-V	1.382x.350x1.060 HI-CHROME
		1966-79	PC1407E-V	1.407x.350x1.120 HI-CHROME
Guides	Int.		Bronze Cast	
		1971-75	B206B	.314x.514x2.450 - O/S
	Exh.	1975-79	B200 8MM	.315x.554x2.500 - O/S
		1971-75	B205 C205	.353x.514x2.450 - O/S
		1975-79	B200 9MM	.353x.554x2.500 - O/S
	Both	1966-79	B202 C202	.315x.476x2.400 - O/S
		1966-79	B202+VGB	.312x.476x2.600 - O/S
Locks	Both	1966-79	059-199-500	3 Round-groove 8mm
Springs	Both	1966-79	050-862	1.210dx0.90id* 75Lb.@1.50
5 1700cc, (1.7L) OHV, (TYPE 2 - BUS) (TYPE 4) 1968-74 2 VALVE H4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1971-74	P2981	1.54x8mmx4.61 39 MM
	Exh.	1968-74	PEP107	1.29x9mmx4.61 33 MM
Seats	Int.	1968-74	PC1650E-V	1.650x.350x1.320 HI-CHROME
	Exh.	1968-74	PC1382E-1V	1.382x.310x1.203 HI-CHROME
		1968-74	PC1382E-V	1.382x.350x1.060 HI-CHROME
Guides	Both	1971-74	B202+VGB	.312x.476x2.600 BRONZE - O/S
		1971-74	B202	.315x.476x2.400 BRONZE - O/S
		1971-74	C202	“ “ “ - O/S
Locks	Both	1971-74	059-199-500	3 Round-groove 8mm
6 1795cc, (1.8L) OHV, (TYPE 2 - BUS), 411, 412 1973-75 2 VALVE H4				
PART	YEARS	PART NO.	NOTES	
Valves	Int.	1973-75	P2981	1.54x8mmx4.61 39 MM
	Exh.	1973-75	PEP107	1.29x9mmx4.61 33 MM
		1973-75	P2983	1.33x9mmx4.61 34 MM
Seats	Int.	1973-75	PC1670E-V	1.670x.350x1.390 HI-CHROME
Guides	Both	1974-75	B202+VGB	.312x.476x2.600 BRONZE - O/S
		1974-75	B202	.315x.476x2.400 BRONZE - O/S
		1974-75	C202	“ “ “ - O/S
Locks	Both	1974-75	059-199-500	3 Round-groove 8mm

VW (Air-Cooled) H4

7 1970cc, (2.0L) OHV, (TYPE 2 - VANAGON) 1975-83 2 VALVE H4				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1980-83	P2981	1.54x8mmx4.61 39mm
	Exh.	1976-83	PEP107	1.29x9mmx4.61 33mm
Seats	Int.	1975-83	PC1650E-V	1.650x.350x1.320 HI-CHROME
		1975-83	PC1632E-V	1.632x.375x1.400 HI-CHROME - WASSER BOXER
	Exh.	1975-83	PC1425E-1V	1.425x.350x1.190 HI-CHROME - WASSER BOXER
Guides	Int.		Bronze Cast	
		1976-83	B206B	.314x.514x2.450 - O/S
	Exh.	1976-83	B202 C202	.315x.476x2.400 - O/S
		1975-83	B202+VGB	.312x.476x2.600 - O/S
		1975-83	B205 C205	.353x.514x2.450 - O/S
Locks	Both	1976-83	059-199-500	3 Round-groove 8mm
Springs	Both	1976-83	050-862	1.210dx0.90id* 75Lb.@1.50
8 1915cc, (1.9L) VANAGON, TRANSPORTER, WASSER BOXER 1983-85 2 VALVE H4 2109cc, (2.1L) OHV, VANAGON, TRANSPORTER, WASSER BOXER 1986-91				
PART		YEARS	PART NO.	NOTES
Valves	Int.	1983-91	P3467	1.57x8mmx4.81 40mm
	Exh.	1983-91	P3466	1.33x9mmx4.83 34mm
Seats	Int.	1983-91	PC1625-51	1.625x.280x1.312 HI-CHROME
	Exh.	1983-91	PC1437-61	1.437x.310x1.162 HI-CHROME
Locks	Both	1983-91	059-199-500	3 Round-groove 8mm
9 VALVES OEM & HP BY SIZE				
PART		ENG.	PART NO.	NOTES
Valves	Exh.	1.6	P2970	1.17x9mmx4.40 30mm
	Exh.	1.2/1.3	PEP104	1.18x8mmx4.40 30mm
	Int.	1.2/1.3	PV1752	1.24x8mmx4.40 31mm
	Exh.	1.5/1.6	PEP105HP-C	1.25x8mmx4.40 32mm
	Exh.	1.5/1/6	PEP105HT	1.25x8mmx4.40 32mm
	Exh.	1.5/1.6	P11649HP	1.25x8mmx4.40 32mm
	Exh.	1.5/1.6	PEP108	1.25x8mmx4.40 32mm
	Exh.	Type 3, 1.6	P2971	1.25x9mmx4.40 32mm
	Int.	1.3/1.6	P2791	1.29x8mmx4.40 33mm
	Exh.	1.7/2.0	PEP107	1.29x9mmx4.61 33mm
	Exh.	1.8	P2983	1.33x9mmx4.61 34mm
	Exh.	1.9/2.1	P3466	1.33x9mmx4.83 34mm
	Exh.	1.2/1.6	P11669HP-C	1.39x8mmx4.40 35mm
	Int.	1.5/1.6	PEP102	1.39x8mmx4.40 35mm
	Exh.	1.2/1.6	P11674HP-C	1.47x8mmx4.40 37mm
	Exh.	Type IV	P11659HP	1.49x8mmx4.60 38mm
	Int.	1.7/2.0	P2981	1.54x8mmx4.61 39mm
	Int.	1.2/1.6	P11670HP-C	1.57x8mmx4.40 40mm
	Int.	1.9/2.1	P3467	1.57x8mmx4.81 40mm
	Int.	1.2/1.6	P11672HP-C	1.65x8mmx4.40 41mm
	Int.	1.2/1.6	P11675HP-C	1.73x8mmx4.40 44mm
	Int.	Type IV	P11673-44	1.73x8mmx4.60 44mm
	Int.	1.2/1.6	P11676HP	1.81x8mmx4.40 46mm

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10 VW VALVE SEATS BY SIZE

PART	INFO	PART NO.	NOTES
Seats		PC1382E-1V	1.382x.310x1.203 HI-CHROME
		PC1382E-V	1.382x.350x1.060 HI-CHROME
		PC1400E-V	1.400x.350x1.120 HI-CHROME
Exh.	40 HP	PC1407E-1V	1.407x.350x1.025 HI-CHROME
Exh.	1500/1600	PC1407E-V	1.407x.350x1.120 HI-CHROME
		PC1407E-3V	1.407x.350x1.145 HI-CHROME
		PC1407E-2V	1.407x.350x1.165 HI-CHROME
Exh.	Wasser Box	PC1425E-1V	1.425x.350x1.190 HI-CHROME
		PC1425E-V	1.425x.370x1.125 HI-CHROME
		PC1430E-1V	1.430x.360x1.165 HI-CHROME
		PC1430E-V	1.430x.365x1.120 HI-CHROME
		PC1460E-V	1.460x.365x1.120 HI-CHROME
		PC1460E-1V	1.460x.365x1.165 HI-CHROME
		PC1481E-2V	1.481x.350x1.281 HI-CHROME
		PC1483E-V	1.483x.350x1.262 HI-CHROME
	37.6 Valve	PC1483E-2V	1.483x.350x1.281 HI-CHROME
	37.5 Valve	PC1483E-3V	1.483x.350x1.300 HI-CHROME
		PC1487E-2V	1.487x.350x1.281 HI-CHROME
Int.	1500/1600	PC1490E-V	1.490x.350x1.260 HI-CHROME
	35.5 OS	PC1507E-V	1.507x.350x1.281 HI-CHROME
	37.5 OS	PC1507E-1V	1.507x.350x1.300 HI-CHROME
	37.5	PC1523E-1V	1.523x.352x1.310 HI-CHROME
		PC1523E-V	1.523x.352x1.320 HI-CHROME
		PC1525E-2V	1.525x.350x1.320 HI-CHROME
Int.	1.5/1.6 37.5m	PC1525E-V	1.525x.375x1.260 HI-CHROME
		PC1583E-V	1.583x.350x1.240 HI-CHROME
		PC1613E-V	1.613x.350x1.240 HI-CHROME
		PC1625E-7	1.625x.375x1.375 HI-CHROME
Int.	Wasser Boxer	PC1631E-V	1.631x.350x1.350 HI-CHROME
	40mm	PC1632E-V	1.632x.375x1.400 HI-CHROME
	40mm Valve	PC1637E-1V	1.637x.350x1.312/1.430 HI-CHROME
	40mm	PC1637E-V	1.637x.350x1.437 HI-CHROME
	40mm	PC1638E-V	1.638x.350x1.417 HI-CHROME
	40mm	PC1639E-V	1.639x.350x1.427 HI-CHROME
	40mm OS	PC1645E-1V	1.645x.350x1.430 HI-CHROME
Int.	Type 4 1.7-2.0	PC1650E-V	1.650x.350x1.320 HI-CHROME
Int.	1.8	PC1670E-V	1.670x.350x1.390 HI-CHROME
		PC1697E-V	1.697x.370x1.320 HI-CHROME
		PC1715E-V	1.715x.350x1.455 HI-CHROME
		PC1727E-V	1.727x.370x1.320 HI-CHROME
		PC1745E-V	1.745x.350x1.455 HI-CHROME
	42mm	PC1758E-V	1.758x.350x1.500 HI-CHROME
	44mm	PC1758E-1V	1.758x.350x1.535 HI-CHROME
	42mm	PC1772E-1V	1.772x.350x1.530 HI-CHROME
	42mm	PC1772E-V	1.772x.350x1.555 HI-CHROME
	42/44mm	PC1774E-V	1.774x.350x1.522 HI-CHROME
	44mm	PC1886E-V	1.886x.350x1.594 HI-CHROME
	46mm	PC1937E-V	1.937x.350x1.700 HI-CHROME

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11 VW GUIDES BY SIZE				
PART		INFO	PART NO.	NOTES
Guides	Both		B202 6MM	.234x.476x2.400
	Both		B202 7MM	.274x.476x2.400 - OVERSIZE AVAILABLE
	Both	36 HP	B201 C201	.276x.397x2.000 - OVERSIZE AVAILABLE
	Both	TYPE 1	B202B-2	.295x.474x2.400
	Both	TYPE 1	B202-5/16	.310x.476x2.400
	Both	TYPE 1	B202+VGB	.312x.476x2.600 - OVERSIZE AVAILABLE
	Exh.	HP	B202R-E	.314x.476x2.090 - OVERSIZE AVAILABLE
	Int.	HP	B202R-I	.314x.476x2.090 - OVERSIZE AVAILABLE
	Int.	TYPE IV	B206B	.314x.514x2.450 - OVERSIZE AVAILABLE
	Both	UNIVERSAL	B321	.314x.584x2.502
	Both	TYPE 1	B202-2	.315x.474x2.400
	Both	TYPE 1	B202TIR	.315x.476x2.400
	Both	TYPE 1	B202 C202	.315x.476x2.400 - OVERSIZE AVAILABLE
	Exh.	SPECIAL	B200 8MM	.315x.554x2.500 - OVERSIZE AVAILABLE
	Both		B202SPL-B	.340x.476x2.400 - OVERSIZE AVAILABLE
	Both		B202SPL	.343x.476x2.400 - OVERSIZE AVAILABLE
	Exh.	HP	B202R-E9MM	.353x.475x2.080
	Exh.	TYPE IV	B205 C205	.353x.514x2.450 - OVERSIZE AVAILABLE
	Exh.	F.I.	B200 9MM	.353x.554x2.500 - OVERSIZE AVAILABLE
	Both	TYPE 1	B202 9MM	.354x.476x2.400
12 VW SPRINGS BY SIZE				
PART		INFO	PART NO.	NOTES
Springs		1.5	051-107	0.810dx0.62id* 12Lb.@1.25 - INNER
		HP	053-141-000	0.910dx0.68id* 22Lb.@1.68 - INNER
			053-268	0.930dx0.69id* 95Lb.@1.00 - INNER
		1.5	051-106	1.180dx0.90id* 23Lb.@1.45 - OUTER
		HP	053-251-700	1.200dx0.92id* 60Lb.@1.40
		40-53-57 HP	050-862	1.210dx0.90id* 75Lb.@1.50
		HP	053-140-000	1.240dx0.93id*074Lb.@1.70 - HP OUTER
		1.5/1.6	053-186-7	1.250dx0.91id*168Lb.@1.20 - DUAL HP
		HP	053-186-000	1.250dx0.91id*168Lb.@1.20
13 BARREL SPACERS				H4
PART		INFO	PART NO.	NOTES
Barrel Spacers		1500/1600	BS16-10	.010"STEEL - OTHER SIZES AVAILABLE (.020", .030", .040", .060", .090")
		1700/1800/2000	BS17-10	.010" - OTHER SIZES AVAILABLE (.020", .030", .040", .060", .090")
		1200 - 40 HP	BS40-10	.010"STEEL - OTHER SIZES AVAILABLE (.020", .030", .040", .060", .090")
		88mm BORE	BS88-10	.010"STEEL - OTHER SIZES AVAILABLE (.020", .030", .040")
		90.5mm BORE	BS90-10	.010"STEEL - OTHER SIZES AVAILABLE (.020", .030", .040", .060", .090")
		92mm BORE	BS92-10	.010"STEEL - OTHER SIZES AVAILABLE (.020", .030", .040", .060", .090")
		94mm BORE	BS94-10	.010"STEEL - OTHER SIZES AVAILABLE (.020", .030", .040", .060", .090")

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14 CYLINDER HEAD SPACERS				H4
PART	INFO	PART NO.	NOTES	
Cyl. Head Spacers	1700/1800 40 HP	HS411-30 HS1200-30	.030"ALUM - OTHER SIZES AVAILABLE (.060") .030"ALUM - OTHER SIZES AVAILABLE (-40, -60)	
	1500/1600	HS1500-30	.030"ALUM - OTHER SIZES AVAILABLE (-40, -60)	
	TYPE IV 2.0	HS2000-30 HS2000-60	.030"STEEL .060"STEEL	
15 BUSHINGS				H4
PART	INFO	PART NO.	NOTES	
Starter Bushings	CONVERSION	PSB-6 PSB612	VW-6/VOLT-STARTER-BUSHING VW-6to12v-STARTER-BUSHING	
Guide Boss	1600 1700/1800	VGB400 VGB200	.484x.812x.500 - ALUMINUM .520x.812x.410 - ALUMINUM	
Transmission Bushings		BUSH 100RM BUSH 200RM	.552x.626x1.250 .590x.687x1.220	
Distributor Gear		BUSH 300RM	.485x.625x1.000	
16 CASE INSERTS				
PART	INFO	PART NO.	NOTES	
Case Inserts	W/ STOP W/ SHOULDER	PCI215S PCI216 PCI217 PCI218 PCI219 PCI220 PCI221 PCI221R PCI221RLONG PCI222 PCI223 PCI224R	14mmx10mm 10MM x 1/2-20 10mmx5/8x18 14MM X 8MM 1/2-13 X 8MM 12mmx1.5 x8mm 10MM x 1/2-20 1/2-20x10mm 1/2-20odx10mm 3/8-24odx8mm 1/2 X 20 8MM 14mm-2.0x 10mm-1.5x 1.600	
17 SPARK PLUG INSERTS				
PART	INFO	PART NO.	NOTES	
Spark Plug Inserts		SPI200-1 SPI200-2 SPI200-3 SPI200-4 SPI200-5	14mmx7/16 length 14mmx3/8 length 14mmx1/2 length 14mmx5/8 length 14mmx3/4 length	
18 STUDS				
PART	INFO	PART NO.	NOTES	
Studs		ES6-8	.315x.236x1.220	

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	2922cc (2.9L) DOHC, B6304 1992-04	4 VALVE	L6
10	2673cc (2.7L) SOHC, GAS, FI, VIN 61, 65, B27F 1976-79	2 VALVE	V6
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1	(1.8L) OHV, B18 to 1965			2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Valves	Exh.	to 1965	T4786	1.37x11/32x4.59	
Guides	Both	to 1965 to 1965	B255 C255	.344x.590x2.465 BRONZE - O/S AVAILABLE " " "	
2	(2.0L) (2.8L) DOHC, B5254T2, B6294T 2001-04			4 VALVE	L5-6
PART		YEARS	PART NO.	NOTES	
Valves	Int.	2001-04	P5171	1.22x6mmx4.10 - 31mm	
		2001-04	P5172	1.26x6mmx4.10 - 32mm	
	Exh.	2001-04	P5170	1.06x6mmx4.07 - 27mm	
Guides	Both	2001-04 2001-04	B490 C490	.235x.472x1.775 BRONZE " " "	
Seals	Both	2001-04	235385	.235x.385 "Viton"	
3	2127cc (2.1L) SOHC, GAS, FI, VIN 4, 41, 45, B21F/T 1976-85			2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1976-85	PC1875-57	1.875x.280x1.505/1.630 HI-CHROME	
	Exh.	1976-85	PC1562-78	1.562x.278x1.230 HI-CHROME	
Guides	Int.	1976-85	Bronze B252	.315x.531x2.050 - O/S AVAILABLE	
	Exh.	1976-85	Cast C252 B253 C253	.315x.531x2.320 - O/S AVAILABLE	
Seals	Both	1976-85	AV7367-VI	.315x.472 "Viton" - "Poly" available	
Locks	Both	1976-85	059-199-500	3 Round-groove 8mm	
4	2316cc (2.3L) SOHC, GAS, FI, VIN 8, B23FT, B23F 1983-84			2 VALVE	L4
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1983-84	PC1875-57	1.875x.280x1.505/1.630 HI-CHROME	
	Exh.	1983-84	PC1562-78	1.562x.278x1.230 HI-CHROME	
Seals	Both	1983-84	AV7367-VI	.315x.472 "Viton" - "Poly" available	
Locks	Both	1983-84	059-199-500	3 Round-groove 8mm	

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5 2316cc (2.3L) DOHC 1989-92				4 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1989-92	P4332	1.35x7mmx4.82	
	Exh.	1989-92	P4333	1.24x7mmx4.81	
6 2316cc (2.3L) SOHC, GAS, FI, VIN 8, 88, B230F, B230FD/B230FT "TURBO" 1985-95				2 VALVE	L4
PART	YEARS	PART NO.	NOTES		
Seats	Int.	1985-95	PC1875-57	1.875x.280x1.505/1.630 HI-CHROME	
	Exh.	1985-95	PC1562-78	1.562x.278x1.230 HI-CHROME	
Guides			Bronze Cast		
	Int.	1985-95	B252 C252	.315x.531x2.050 - O/S AVAILABLE	
	Exh.	1985-95	B253 C253	.315x.531x2.320 - O/S AVAILABLE	
Seals	Both	1985-95	AV7367-VI	.315x.472 "Viton" - "Poly" available	
Locks	Both	1985-95	059-199-500	3 Round-groove 8mm	
7 2319cc (2.3L) DOHC, GAS, FI, B5234FT, B5234T, B5234TI, B5234T3, B5234T5 B5234T6, B5234T8, B5234T9, TURBO 1994-04				5 VALVE	L5
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1994-04	PV4633	1.22x7mmx4.09	
	Exh.	1994-04	PV4642	1.06x7mmx4.06	
Guides			Bronze Cast		
	Both	1994-04	B8552 C8552	.274x.472x1.770	
		1994-04	B527 C527	.276x.472x2.165 - O/S AVAILABLE	
8 2383cc (2.4L) SOHC, DIESEL, FI, VIN 7, D24, D24T, TURBO 1980-86				2 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Exh.	1980-86	P3262	1.22x8mmx4.11	
Seats	Int.	1980-86	PC1500-62	1.500x.310x1.220/1.284 HI-CHROME	
		1980-86	M21500-62	" " " TUNGSTEN CARBIDE	
	Exh.	1980-86	PC1312-62	1.312x.285x1.065/1.120 HI-CHROME	
Guides	Both	1980-86	C7359	.315x.476x1.435 - O/S AVAILABLE	
Seals	Both	1980-86	AV7367-VI	.315x.472 "Viton" - "Poly" available	
Locks	Both	1980-86	059-211-020	Top-bead 8mm	
		1980-86	059-199-500	3 Round-bead 8mm	
9 2435cc (2.4L) DOHC, B5244 1995-10				4 VALVE	L5
2922cc (2.9L) DOHC, B6304 1992-04				4 VALVE	L6
PART	YEARS	PART NO.	NOTES		
Valves	Int.	1992-10	PV4633	1.22x7mmx4.09	
	Exh.	1992-10	PV4642	1.06x7mmx4.06	
10 2673cc (2.7L) SOHC, GAS, FI, VIN 61, 65, B27F 1976-79				2 VALVE	V6
2849cc (2.8L) VIN 6, B28F 1980-85					
PART	YEARS	PART NO.	NOTES		
Seats	Exh.	1976-85	PC1562-71	1.562x.258x1.275/1.365 HI-CHROME	
Guides	Both	1976-85	B326	.315x.514x2.000 BRONZE - O/S AVAILABLE	
		1976-85	C326	" " "	
Seals	Both	1976-85	12014265	.315x.425 "Viton"	
		1976-85	AV7367-VI	.315x.472 "Viton" - "Poly" available	

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1 MISCELLANEOUS				
PART		YEARS	PART NO.	NOTES
Guides	Int.		Y650I-SPEC	.313x.592x1.876 - 650 TWIN
	Exh.		Y650E-SPEC	.314x.592x2.233 - 650 TWIN
	Both		B5554	.216x.435x1.570 - 1200cc
Seals	Both		177280	.177x.280 - 4.5mm "MC"
			197315	.197x.315 - 5.0mm "MC"
Retainers	Int.		VSR250I	ZF250
			VSR450I	0.729x0.559
	Exh.		VSR250E	ZF250
			VSR450E	0.732x0.553
	Both		VSR660-RHINO	0.870odx0.305idx.330ht - 660cc
			VSR700-RHINO	0.880odx0.300idx.240ht - 700cc

Notes:

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