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LOCKS
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PEP HEAVY-DUTY CATALOG SUPPLEMENT

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ALLIS-CHALMERS

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2	149 C.I. (2.4L) G149	2 VALVE	L4
3	D153, DA153, D230, DA230	2 VALVE	L4/6
4	153 C.I. (2.5L) 4G153	2 VALVE	L4
5	175 C.I. (2.9L) D175	2 VALVE	L4
6	200 C.I. (3.3L) 433T, TURBO DIESEL	2 VALVE	L4
7	201 C.I. (3.3L) G201 - 226 C.I. (3.7L) G226 GAS/LPG	2 VALVE	L4
8	230 C.I. (3.8L) 6G230	2 VALVE	L6
9	236 C.I. (3.9L) 4.236 - 248 C.I. (4.2L) 4.248 PERKINS DIESEL	2 VALVE	L4
10	262 C.I. (4.3L) G262	2 VALVE	L6
11	262 C.I. (4.3L) 6D262 - DA262	2 VALVE	L6
12	265 C.I. (4.3L) G2500 - 301 C.I. (4.9L) D2800 - D2900	2 VALVE	L6
13	344 C.I. (5.6L) HD344 BUDA - 516 C.I. (8.5L) HD516 BUDA	2 VALVE	L4
14	344 C.I. (5.6L) 7000 - 6000	2 VALVE	L4
15	426 C.I. (7.0L) D3400 - D3500 - D3750	2 VALVE	L6
16	516 C.I. (8.5L) HD516 BUDA	2 VALVE	L4
17	516 C.I. (8.5L) 10000	2 VALVE	L6
18	516 C.I. (8.5L) 11000	2 VALVE	L6
19	15000H - 16000/H - 17000MK - 21000/H - 25000	2 VALVE	L6
20	MISCELLANEOUS		

1	125 C.I. (2.0L) B15, B, 1B - 138 C.I. (2.3L) G138 - 160 C.I. (2.6L) G160	2 VALVE	L4
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1500-1	1.500x.218x1.250 HI-CHROME
		M21500-1	" " " TUNGSTEN CARBIDE
	Exh.	PC1375-4	1.375x.187x1.125 HI-CHROME
		M21375-4	" " " TUNGSTEN CARBIDE
Guides	Both	348241	C1854
			.344x.566x2.250
Locks	Both	206880	059-117-060
			Single-groove 11/32
Springs	Both		050-414
			1.30odx1.01id* 40Lb.@1.81
2	149 C.I. (2.4L) G149	2 VALVE	L4
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1500-1	1.500x.218x1.250 HI-CHROME
		M21500-1	" " " TUNGSTEN CARBIDE
Guides	Both	348241	C1854
			.344x.566x2.250
Locks	Both	206880	059-117-060
			Single-groove 11/32

ALLIS-CHALMERS

3 D153, DA153, D230, DA230 2 VALVE L4/6			
PART	OE#	PART NO.	NOTES
Seats Exh.		PC1375-4 M21375-4	1.375x.187x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides Both		C1703	.312x.564x2.563
Locks Both	4356080	059-614-200	Single-groove 8mm
4 153 C.I. (2.5L) 4G153 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1562-1 M21562-1	1.562x.218x1.312 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Exh.		PC1437-2 PC1437-2N	1.437x.218x1.218 HI-CHROME 1.437x.218x1.218 HI-NICKEL
Guides Int.	4513115	C1943	.344x.564x2.250
Locks Both	206880	059-117-060	Single-groove 8mm
5 175 C.I. (2.9L) D175 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1500-3 M21500-3	1.500x.250x1.250 HI-CHROME “ “ “ TUNGSTEN CARBIDE
		PC1562-4 M21562-4	1.562x.250x1.312 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Exh.		PC1562-5 M21562-5	1.562x.250x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE
		PC1375-1N PC1437-2N	1.375x.218x1.125 HI-NICKEL 1.437x.218x1.218 HI-NICKEL
Guides Int.	4504476	C1852	.313x.564x2.656
Exh.	4504475	C1851	.313x.564x2.250
Locks Both	4356080	059-614-200	Single-groove 8mm
6 200 C.I. (3.3L) 433T, TURBO DIESEL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Guides Exh.		C7813	.373x.626x2.880
Both		C6730	.373x.626x2.880
Locks Both		059-144-526	Single-groove 3/8
7 201 C.I. (3.3L) G201 - 226 C.I. (3.7L) G226 GAS/LPG 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Valves Exh.		P3156	1.45x3/8x5.13
Seats Int.		PC1750-1 M21750-1	1.750x.250x1.500 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Exh.		PC1562-4+10	1.572x.250x1.312 HI-CHROME
Guides Int.		C1421	.375x.689x2.750
Exh.		C1853	.375x.689x2.344
Seals Both		55676-P	.372x.625 “Viton” - “Poly” available
Locks Both		059-144-526	Single-groove 3/8

ALLIS-CHALMERS

8 230 C.I. (3.8L) 6G230 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1562-1	1.562x.218x1.312 HI-CHROME
		M21562-1	" " " TUNGSTEN CARBIDE
Exh.		PC1437-2	1.437x.218x1.218 HI-CHROME
		PC1437-2N	" " " HI-NICKEL
Guides Int.	4513115	C1943	.344x.564x2.250
Locks Both	206880	059-117-060	Single-groove 11/32
9 236 C.I. (3.9L) 4.236 - 248 C.I. (4.2L) 4.248 PERKINS DIESEL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Valves Exh.		P2467	1.44x3/8x4.85
Seats Int.		PC1875-19	1.875x.218x1.562 HI-CHROME
		M21875-19	" " " TUNGSTEN CARBIDE
		PC2018E-1	2.018x.281x1.593 HI-CHROME
		M22018E-1	" " " TUNGSTEN CARBIDE
Exh.		PC1562-6N	1.562x.218x1.250 HI-NICKEL
		PC1690E-1	1.690x.375x1.250/1.550 HI-CHROME
		M21690E-1	" " " TUNGSTEN CARBIDE
Guides Int.		C1976	.375x.626x2.281
Exh.		C1977	.375x.626x2.406
Seals Both		1812C	.372x.562 TEFLON (Machine guide to 0.562 O.D)
10 262 C.I. (4.3L) G262 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1562-1	1.562x.218x1.312 HI-CHROME
		M21562-1	" " " TUNGSTEN CARBIDE
Exh.		PC1437-2	1.437x.218x1.218 HI-CHROME
		M21437-2	" " " TUNGSTEN CARBIDE
Guides Int.	4513115	C1943	.344x.564x2.250
Locks Both	206880	059-117-060	Single-groove 11/32
11 262 C.I. (4.3L) 6D262 - DA262 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1500-3	1.500x.250x1.250 HI-CHROME
		M21500-3	" " " TUNGSTEN CARBIDE
		PC1562-5	1.562x.250x1.375 HI-CHROME
		M21562-5	" " " TUNGSTEN CARBIDE
		PC1562-4	1.562x.250x1.312 HI-CHROME
		M21562-4	" " " TUNGSTEN CARBIDE
Exh.		PC1375-1N	1.375x.218x1.125 HI-NICKEL
		PC1437-2N	1.437x.218x1.218 HI-NICKEL
Guides Int.	4504476	C1852	.313x.564x2.656
Exh.	4504475	C1851	.313x.564x2.250
Locks Both	4356080	059-614-200	Single-groove 8mm
12 265 C.I. (4.3L) G2500 - 301 C.I. (4.9L) D2800 - D2900 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Guides Both	4020682	C6730	.373x.626x2.880 OLD STYLE
	4022595	C7813	.373x.626x2.880 NEW STYLE
Locks Both	209103	059-144-526	Single-groove 3/8

ALLIS-CHALMERS

13 344 C.I. (5.6L) HD344 BUDA - 516 C.I. (8.5L) HD516 BUDA				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Int. Exh.		PC2187-11 PC1687-7 M21687-7	2.187x.187x1.875 HI-CHROME 1.687x.250x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
14 344 C.I. (5.6L) 7000 - 6000				2 VALVE L4
PART	YEARS	PART NO.	NOTES	
Seats Int. Exh.	1960-66 1960-66 1960-66	PC1875-11 PC1687-8 M21687-8	1.875x.312x1.562 HI-CHROME 1.687x.312x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Locks Both	1960-66	059-144-526	Single-groove 3/8	
15 426 C.I. (7.0L) D3400 - D3500 - D3750				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Exh.	4028643	P2623	1.68x3/8x5.15	
Seats Int. Exh.		PC1814E-1 PC1670E-1	1.814x.315x1.600 HI-CHROME 1.670x.302x1.420 HI-CHROME	
Guides Both	4020682 4022595	C6730 C7813	.373x.626x2.880 .373x.626x2.880	
Seals Both		343531	.343x.530 “Viton”	
Locks Both	209103	059-144-526	Single-groove 3/8	
16 516 C.I. (8.5L) HD516 BUDA				2 VALVE L4
PART	YEARS	PART NO.	NOTES	
Seats Int. Exh.		PC2187-13 PC1687-7	2.187x.281x1.687 HI-CHROME 1.687x.250x1.375 HI-CHROME	
17 516 C.I. (8.5L) 10000				2 VALVE L6
PART	YEARS	PART NO.	NOTES	
Seats Int. Exh.	1960-66 1960-66 1960-66	PC1875-11 PC1687-8 M21687-8	1.875x.312x1.562 HI-CHROME 1.687x.312x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Locks Both	1960-66	059-144-526	Single-groove 3/8	
18 516 C.I. (8.5L) 11000				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats Int. Exh.		PC1875-11 PC1687-8 M21687-8	1.875x.312x1.562 HI-CHROME 1.687x.312x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Guides Exh.	4359192	C6759	.374x.626x3.500	
19 15000H - 16000/H - 17000MK - 21000/H - 25000				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Guides Exh.	4390547	C6628	.373x.626x2.875	
20 MISCELLANEOUS				
PART	OE#	PART NO.	NOTES	
Guides Exh.		C7455	.374x.626x3.687	

AVERY-TRACTOR

1 MISCELLANEOUS			
PART	OE#	PART NO.	NOTES
Guides		C137	.249x.407x1.437

BRIGGS & STRATON

1 MISCELLANEOUS			
PART	OE#	PART NO.	NOTES
Guides		B5526	.216x.313x1.65 BRONZE
		B5528	.247x.375x2.09 BRONZE

BUDA

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1	153 C.I. (2.5L) 4D153, 4DA153	2 VALVE	L4
2	153 C.I. (2.5L) 4G153 GAS/LPG	2 VALVE	L4
3	153 C.I. (2.5L) 4DME153	2 VALVE	L4
4	153 C.I. (2.5L) 4BDMR153, 4BD153, 4BDMG153 - (3.0L) 3BDMR182, 4BD182	2 VALVE	L4
5	153 C.I. (2.5L) 4B153 - 182 C.I. (3.0L) 4B182	2 VALVE	L4
6	193 C.I. (3.2L) 4DT196, 4DTM196, 4DTM212, 4DT212	2 VALVE	L4
7	230 C.I. (3.8L) 6B230 - 273 C.I. (4.5L) 6B273	2 VALVE	L6
8	230 C.I. (3.8L) 6BDM230	2 VALVE	L6
9	230 C.I. (3.8L) 6BDMR230, 6BD230 - 273 C.I. (4.5L) 6BD273	2 VALVE	L6
10	230 C.I. (3.8L) 6D230, 6DA230	2 VALVE	L6
11	230 C.I. (3.8L) 6G230 GAS/LPG	2 VALVE	L6
12	272 C.I. (4.5L) 6DA273, D273	2 VALVE	L6
13	278 C.I. (4.6L) 6DT278 - (4.8L) 6DT294 - (5.2L) 6DTM317, 6DTMR317, 6DT317	2 VALVE	L6
14	844 C.I. (13.8L) 6DC-844	2 VALVE	L6

1	153 C.I. (2.5L) 4D153, 4DA153	2 VALVE	L4
PART	OE#	PART NO.	NOTES
Seats		PC1500-3	1.500x.250x1.250 HI-CHROME
		M21500-3	" " " TUNGSTEN CARBIDE
		PC1437-2	1.437x.218x1.218 HI-CHROME
		M21437-2	" " " TUNGSTEN CARBIDE
Guides	4513354	C1852	.313x.564x2.656
		C1851	.313x.564x2.250

BUDA

2 153 C.I. (2.5L) 4G153 GAS/LPG				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1562-1	1.562x.218x1.312 HI-CHROME	
			M21562-1	" " " TUNGSTEN CARBIDE	
	Exh.		PC1437-2	1.437x.218x1.218 HI-CHROME	
			M21437-2	" " " TUNGSTEN CARBIDE	
Guides	Int.		C1943	.344x.564x2.250	
Locks	Both		059-117-060	Single-groove 11/32	
3 153 C.I. (2.5L) 4DME153				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	" " " TUNGSTEN CARBIDE	
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME	
			M21375-1	" " " TUNGSTEN CARBIDE	
4 153 C.I. (2.5L) 4BDMR153, 4BD153, 4BDMG153 - (3.0L) 4BDMR182, 4BD182				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	" " " TUNGSTEN CARBIDE	
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME	
			M21375-1	" " " TUNGSTEN CARBIDE	
Guides	Both		C1703	.312x.564x2.563	
5 153 C.I. (2.5L) 4B153 - 182 C.I. (3.0L) 4B182				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	" " " TUNGSTEN CARBIDE	
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME	
			M21375-1	" " " TUNGSTEN CARBIDE	
Guides	Both		C1703	.312x.564x2.563	
Locks	Both		059-614-200	Single-groove 8mm	
6 193 C.I. (3.2L) 4DT196, 4DTM196, 4DTM212, 4DT212				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	" " " TUNGSTEN CARBIDE	
	Exh.		PC1437-3	1.437x.218x1.187 HI-CHROME	
			M21437-3	" " " TUNGSTEN CARBIDE	
7 230 C.I. (3.8L) 6B230 - 273 C.I. (4.5L) 6B273				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	" " " TUNGSTEN CARBIDE	
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME	
			M21375-1	" " " TUNGSTEN CARBIDE	
Guides	Both		C1703	.312x.564x2.563	
Locks	Both		059-614-200	Single-groove 8mm	

BUDA

8 230 C.I. (3.8L) 6BDM230				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME
			M21375-1	“ “ “ TUNGSTEN CARBIDE
9 230 C.I. (3.8L) 6BDMR230, 6BD230 - 273 C.I. (4.5L) 6BD273				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME
			M21375-1	“ “ “ TUNGSTEN CARBIDE
Guides	Both		C1703	.312x.564x2.563
10 230 C.I. (3.8L) 6D230, 6DA230				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1500-3	1.500x.250x1.250 HI-CHROME
			M21500-3	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1437-2	1.437x.218x1.218 HI-CHROME
			M21437-2	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	4513354	C1852	.313x.564x2.656
	Exh.		C1851	.313x.564x2.250
11 230 C.I. (3.8L) 6G230 GAS/LPG				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1562-1	1.562x.218x1.312 HI-CHROME
			M21562-1	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1437- 2	1.437x.218x1.218 HI-CHROME
			M21437-2	“ “ “ TUNGSTEN CARBIDE
Guides	Int.		C1943	.344x.564x2.250
Locks	Both		059-117-060	Single-groove 11/32
12 272 C.I. (4.5L) 6DA273, D273				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1812-1	1.812x.250x1.562 HI-CHROME
			M21812-1	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1500-3	1.500x.250x1.250 HI-CHROME
			M21500-3	“ “ “ TUNGSTEN CARBIDE
Guides	Both		C1703	.312x.564x2.563
13 278 C.I. (4.6L) 6DT278 - (4.8L) 6DT294 - (5.2L) 6DTM317, 6DTMR317, 6DT317				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1437-3	1.437x.218x1.187 HI-CHROME
			M21437-3	“ “ “ TUNGSTEN CARBIDE
14 844 C.I. (13.8L) 6DC-844				2 VALVE L6
PART		OE#	PART NO.	NOTES
Seats	Int.		PC2375-2	2.375x.281x2.000 HI-CHROME
	Exh.		M22375-2	“ “ “ TUNGSTEN CARBIDE
			PC2250-13	2.250x.375x1.875 HI-CHROME
Guides	Both		C1703	.312x.564x2.563

CASE

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1	124 C.I. (2.0L) F124 CONTINENTAL	2 VALVE	L4
2	126 C.I. (2.1L) G126 - 148 C.I. (2.4L) G148	2 VALVE	L4
3	133 C.I. (2.2L) FC WAUKESHA	2 VALVE	L4
4	148 C.I. (2.4L) G148B - 159 C.I. (2.6L) G159 LPG	2 VALVE	L4
5	154 C.I. (2.5L) G154 GAS	2 VALVE	L4
6	157 C.I. (2.6L) GD157, 300 CONTINENTAL	2 VALVE	L4
7	159 C.I. (2.6L) G159 GAS	2 VALVE	L4
8	164 C.I. (2.7L) G164 GAS	2 VALVE	L4
9	164 C.I. (2.7L) G164 LPG	2 VALVE	L4
10	188 C.I. (3.1L) G188D DIESEL	2 VALVE	L4
11	188 C.I. (3.1L) G188 LPG	2 VALVE	L4
12	188 C.I. (3.1L) G188B GAS	2 VALVE	L4
13	207 C.I. (3.4L) 207D, DIESEL	2 VALVE	L4
14	208 C.I. (3.4L) 209 CONTINENTAL	2 VALVE	L6
15	239 C.I. (3.9L) CUMMINS B & BT DIESEL	2 VALVE	L4
16	239 C.I. (3.9L) CUMMINS 4B3.9 DIESEL	2 VALVE	L4
17	239 C.I. (3.9L) CUMMINS 4B3.9NA DIESEL	2 VALVE	L4
18	251 C.I. (4.1L) 251 DIESEL	2 VALVE	L4
19	251 C.I. (4.1L) 251 GAS	2 VALVE	L4
20	207 C.I. (4.3L) DIESEL	2 VALVE	L4
21	260 C.I. (4.3L) 260	2 VALVE	L4
22	267 C.I. (4.4L) A267D DIESEL	2 VALVE	L4
23	284 C.I. (4.7L) 284 GAS & LPG	2 VALVE	L4
24	301 C.I. (4.9L) 301D DIESEL	2 VALVE	L4
25	301 C.I. (4.9L) 301BD - 451BD - 451BDT	2 VALVE	L6
26	336 C.I. (5.5L) A336BD TURBO DIESEL	2 VALVE	L4
27	359 C.I. (5.9L) CUMMINS 6B5.9NA, 6B5.9TA, 6B5.9T	2 VALVE	L6
28	359 C.I. (5.9L) CUMMINS B & BT DIESEL	2 VALVE	L6
29	377 C.I. (6.2L) 377 GAS	2 VALVE	L6
30	377 C.I. (6.2L) 377 DIESEL	2 VALVE	L6
31	377 C.I. (6.2L) 377 LPG	2 VALVE	L6
32	401 C.I. (6.6L) A401BD, A401D DIESEL	2 VALVE	L6
33	504 C.I. (8.3L) A504BD DIESEL, A504BDT	2 VALVE	L6

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34	505 C.I. (8.3L) CUMMINS 6CT & 6CTA DIESEL	2 VALVE	L6
35	611 C.I. (10.0L) CUMMINS LTA10	2 VALVE	L6
36	855 C.I. (14.0L) CUMMINS NTA 855 SERIES BC 111	2 VALVE	L6
37	JD382 CONTINENTAL	2 VALVE	L4
38	MISCELLANEOUS ("L")	2 VALVE	L4

1 124 C.I. (2.0L) F124 CONTINENTAL				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Seats	Int.	PC1625-1	1.625x.218x1.375 HI-CHROME		
		M21625-1	" " " TUNGSTEN CARBIDE		
	Exh.	PC1375-3	1.375x.187x1.063 HI-CHROME		
		M21375-3	" " " TUNGSTEN CARBIDE		
Locks	Exh.	Y400I205	059-147-560	PIN=.126x.501	
2 126 C.I. (2.1L) G126 - 148 C.I. (2.4L) G148				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Seats	Int.	PC1437-3	1.437x.218x1.187 HI-CHROME		
		M21437-3	" " " TUNGSTEN CARBIDE		
	Exh.	PC1348E-1N	1.348x.200x1.087 HI-NICKEL		
Guides	Int.	830935M91	C1673	.343x.657x2.688	
	Exh.	A29955	C1872	.342x.657x2.438	
Locks	Both	VT3234	059-117-060	Single-groove 11/32	
3 133 C.I. (2.2L) FC WAUKESHA				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Seats	Both	PC1437-3	1.437x.218x1.187 HI-CHROME		
		M21437-3	" " " TUNGSTEN CARBIDE		
4 148 C.I. (2.4L) G148B - 159 C.I. (2.6L) G159 LPG				2 VALVE	L4
PART	OE#	PART NO.	NOTES		
Seats	Both	PC1500- 1	1.500x.218x1.250 HI-CHROME		
		M21500- 1	" " " TUNGSTEN CARBIDE		
		PC1348E-1N	1.348x.200x1.087 HI-NICKEL		
Guides	Int.	A29955	C1872	.342x.657x2.438	
	Both	830935M91	C1673	.343x.657x2.688	
Locks	Both	VT3234	059-117-060	Single-groove 11/32	

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5 154 C.I. (2.5L) G154 GAS 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1500-1	1.500x.218x1.250 HI-CHROME
	Exh.	M21500-1	" " " TUNGSTEN CARBIDE
Guides	Both	PC1375-4	1.375x.187x1.125 HI-CHROME
		M21375-4	" " " TUNGSTEN CARBIDE
6 157 C.I. (2.6L) GD157, 300 CONTINENTAL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1437-3	1.437x.218x1.187 HI-CHROME
	Exh.	M21437-3	" " " TUNGSTEN CARBIDE
Guides	Both	PC1312-1	1.312x.187x1.063 HI-CHROME
		M21312-1	" " " TUNGSTEN CARBIDE
7 159 C.I. (2.6L) G159 GAS 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1500-1	1.500x.218x1.250 HI-CHROME
	Exh.	M21500-1	" " " TUNGSTEN CARBIDE
Guides	Int.	PC1375-1	1.375x.218x1.125 HI-CHROME
	Exh.	M21375-1	" " " TUNGSTEN CARBIDE
Locks	Both	C1872	.342x.657x2.438
		C1673	.343x.657x2.688
8 164 C.I. (2.7L) G164 GAS 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1562-1	1.562x.218x1.312 HI-CHROME
	Exh.	M21562-1	" " " TUNGSTEN CARBIDE
Guides	Int.	PC1348E-1N	1.348x.200x1.087 HI-NICKEL
	Exh.		
Locks	Both	C1872	.342x.657x2.438
		C1673	.343x.657x2.688
9 164 C.I. (2.7L) G164 LPG 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1562-6	1.562x.218x1.250 HI-CHROME
	Exh.	M21562-6	" " " TUNGSTEN CARBIDE
Guides	Int.	PC1348E-1N	1.348x.200x1.087 HI-NICKEL
	Exh.		
Locks	Both	C1872	.342x.657x2.438
		C1673	.343x.657x2.688
10 188 C.I. (3.1L) G188D DIESEL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1687-2	1.687x.218x1.437 HI-CHROME
	Exh.	M21687-2	" " " TUNGSTEN CARBIDE
Locks	Both	PC1500-1N	1.500x.218x1.250 HI-NICKEL

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11 188 C.I. (3.1L) G188 LPG				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1625-1	1.625x.218x1.375 HI-CHROME	
		M21625-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.	PC1500-1N	1.500x.218x1.250 HI-NICKEL	
12 188 C.I. (3.1L) G188B GAS				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1625-1	1.625x.218x1.375 HI-CHROME	
		M21625-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.	PC1500-3	1.500x.250x1.250 HI-CHROME	
		M21500-3	“ “ “ TUNGSTEN CARBIDE	
13 207 C.I. (3.4L) 207D, DIESEL				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1687-2	1.687x.218x1.437 HI-CHROME	
	Exh.	PC1500-1N	1.500x.218x1.250 HI-CHROME	
Locks	Both	059-117-060	Single-groove 11/32	
14 208 C.I. (3.4L) 209 CONTINENTAL				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1625-1	1.625x.218x1.375 HI-CHROME	
		M21625-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.	PC1375-3	1.375x.187x1.063 HI-CHROME	
		M21375-3	“ “ “ TUNGSTEN CARBIDE	
		PC1437-3	1.437x.218x1.187 HI-CHROME	
		M21437-3	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	F600I235	.342x.657x2.563	
Locks	Exh.	VT3234	Single-groove 11/32	
		Y4000I205	PIN=.126x.501	
15 239 C.I. (3.9L) CUMMINS B & BT DIESEL				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Valves	Int.	J920867	1.77x8mmx5.08	
	Exh.	J920868	1.65x8mmx5.08	
Seats	Int.	PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME	
		PC1875-8	1.875x.218x1.500/1.625 HI-CHROME	
	Exh.	PC1722E-1	1.722x.265x1.357/1.574 HI-CHROME	
		PC1750-7	1.750x.218x1.375 HI-CHROME	
Guides	Int.	J904408	.316x.552x2.397	
	Exh.	J904409	.316x.553x2.052	
	Both	3906206	.316x.439x2.500	
Seals	Both	3901097	.313x.500 “Viton”	
		3957912	.312x.553 “Hat”	
Locks	Both	3900250	Top-bead 8mm	
Springs	Both	3900276	1.320dx0.94id* 59Lb.@2.00	
		3926700	050-1348	
			050-1379	
			1.320dx0.94id* 78Lb.@2.00	

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16 239 C.I. (3.9L) CUMMINS 4B3.9 DIESEL 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Valves	Int.	J920867	PV4385	1.77x8mmx5.08
	Exh.	J920868	PV4384	1.65x8mmx5.08
Seats	Int.		PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME
	Exh.		PC1722E-1	1.722x.265x1.357/1.574 HI-CHROME
Guides	Int.	J904408	C8177	.316x.552x2.397
	Exh.	J904409	C8178	.316x.553x2.052
Seals	Both	3901097	32473	.313x.500 "Viton"
Locks	Both	3900250	059-889-500	Top-bead 8mm
Springs	Both	3926700	050-1379	1.32odx0.94id* 78Lb.@2.00
17 239 C.I. (3.9L) CUMMINS 4B3.9NA DIESEL 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Valves	Int.	J920867	PV4385	1.77x8mmx5.08
	Exh.	J920868	PV4384	1.65x8mmx5.08
Seats	Int.		PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME
	Exh.		PC1722E-1	1.722x.265x1.357/1.574 HI-CHROME
Guides	Int.	J904408	C8177	.316x.552x2.397
	Exh.	J904409	C8178	.316x.553x2.052
Seals	Both	3901097	32473	.313x.500 "Viton"
Locks	Both	3900250	059-889-500	Top-bead 8mm
Springs	Both	3900276	050-1348	1.32odx0.94id* 59Lb.@2.00
18 251 C.I. (4.1L) 251 DIESEL 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	" " " TUNGSTEN CARBIDE
	Exh.		PC1500-3	1.500x.250x1.250 HI-CHROME
			M21500-3	" " " TUNGSTEN CARBIDE
Guides	Int.	C829	.405x.752x4.375	
	Exh.	C828	.405x.752x3.375	
19 251 C.I. (4.1L) 251 GAS 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1812-1	1.812x.250x1.562 HI-CHROME
			M21812-1	" " " TUNGSTEN CARBIDE
	Exh.		PC1625-2	1.625x.250x1.375 HI-CHROME
			M21625-2	" " " TUNGSTEN CARBIDE
Guides	Exh.		C828	.405x.752x3.375
20 207 C.I. (4.3L) DIESEL 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1687-1	1.687x.250x1.406 HI-CHROME
	Exh.		M21687-1	" " " TUNGSTEN CARBIDE
			PC1500-1N	1.500x.218x1.250 HI-NICKEL
Locks	Both	VT3234	059-117-060	Single-groove 11/32
21 260 C.I. (4.3L) 260 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Both		PC1812-5	1.812x.250x1.500 HI-CHROME
			M21812-5	" " " TUNGSTEN CARBIDE

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22 267 C.I. (4.4L) A267D DIESEL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1812-4	1.812x.218x1.562 HI-CHROME
	Exh.	M21812-4	" " " TUNGSTEN CARBIDE
	Int.	PC1630E-1	1.630x.312x1.335 HI-CHROME
	Exh.	M21630E-1	" " " TUNGSTEN CARBIDE
Guides	Int.	6321A	.405x.752x4.375
	Exh.	A41783	.405x.751x3.219
		C1865	.405x.752x3.219
23 284 C.I. (4.7L) 284 GAS & LPG 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1875-2	1.875x.250x1.562 HI-CHROME
	Exh.	M21875-2	" " " TUNGSTEN CARBIDE
		PC1812-5N	1.812x.250x1.500 HI-NICKEL
24 301 C.I. (4.9L) 301D DIESEL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1937-1	1.937x.250x1.687 HI-CHROME
	Exh.	M21937-1	" " " TUNGSTEN CARBIDE
	Int.	PC1750-5	1.750x.312x1.437 HI-CHROME
	Exh.	M21750-5	" " " TUNGSTEN CARBIDE
Guides	Int.	6321A	.405x.752x4.375
	Exh.	A11803	.405x.752x3.219
		C1865	
25 301 C.I. (4.9L) 301BD - 451BD - 451BDT 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC1937-1	1.937x.250x1.687 HI-CHROME
	Exh.	M21937-1	" " " TUNGSTEN CARBIDE
	Int.	PC1750-9	1.750x.312x1.375 HI-CHROME
	Exh.	M21750-9	" " " TUNGSTEN CARBIDE
Guides	Int.	6321A	.405x.752x4.375 (451 ONLY)
	Exh.	A11803	.405x.752x3.219
		C1865	
26 336 C.I. (5.5L) A336BD TURBO DIESEL 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC2062-29	2.062x.218x1.812 HI-CHROME
	Exh.	M22062-29	" " " TUNGSTEN CARBIDE
Guides	Both	A41783	.405x.751x3.219
		C7444	
27 359 C.I. (5.9L) CUMMINS 6B5.9NA, 6B5.9TA, 6B5.9T 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Valves	Int.	J920867	1.77x8mmx5.08
	Exh.	J920868	1.65x8mmx5.08
Seats	Int.	PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME
	Exh.	PC1722E-1	1.722x.265x1.357/1.574 HI-CHROME
Guides	Int.	C8177	.316x.552x2.397
	Exh.	J904409	.316x.553x2.052
Seals	Both	32473	.313x.500 "Viton"
Locks	Both	059-889-500	Top-bead 8mm
Springs	Exh.	3926700	050-1379
			1.320dx0.94id* 78Lb.@2.00

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28 359 C.I. (5.9L) CUMMINS B & BT DIESEL					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	J920867	PV4385	1.77x8mmx5.08		
	Exh.	J920868	PV4384	1.65x8mmx5.08		
Seats	Int.		PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME		
	Exh.		PC1875-8 PC1722E-1 PC1750-7	1.875x.218x1.500/1.625 HI-CHROME 1.722x.265x1.357/1.574 HI-CHROME 1.750x.218x1.375 HI-CHROME		
Guides	Int.	J904408	C8177	.316x.552x2.397		
	Exh.	J904409	C8178	.316x.553x2.052		
	Both	3906206	C8277	.316x.439x2.500		
Seals	Both	3901097	32473	.313x.500 "Viton"		
		3957912	312553	.312x.553 "Hat"		
Locks	Both	3900250	059-889-500	Top-bead 8mm		
Springs	Both	3900276	050-1348	1.320dx0.94id* 59Lb.@2.00		
		3926700	050-1379	1.320dx0.94id* 78Lb.@2.00		
29 377 C.I. (6.2L) 377 GAS					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1812-1	1.812x.250x1.562 HI-CHROME		
	Exh.		M21812-1 PC1625-2 M21625-2	" " " TUNGSTEN CARBIDE 1.625x.250x1.375 HI-CHROME " " " TUNGSTEN CARBIDE		
30 377 C.I. (6.2L) 377 DIESEL					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME		
	Exh.		M21625-1 PC1500-3 M21500-3	" " " TUNGSTEN CARBIDE 1.500x.250x1.250 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Int.	A11803	C829	.405x.752x4.375		
	Exh.		C1865 C828	.405x.752x3.219 .405x.752x3.375		
31 377 C.I. (6.2L) 377 LPG					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1812-1	1.812x.250x1.562 HI-CHROME		
	Exh.		M21812-1 PC1625-2N	" " " TUNGSTEN CARBIDE 1.625x.250x1.375 HI-NICKEL		
32 401 C.I. (6.6L) A401BD, A401D DIESEL					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1812-4	1.812x.218x1.562 HI-CHROME		
	Exh.		M21812-4 PC1630E-1 M21630E-1	" " " TUNGSTEN CARBIDE 1.630x.312x1.335 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Int.	6321A	C829	.405x.752x4.375		
	Exh.	A11803	C1865	.405x.752x3.219		

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33 504 C.I. (8.3L) A504BD DIESEL, A504BDT				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats Int.		PC2062-29 M22062-29	2.062x.218x1.812 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Guides Both	A41783	C7444	.405x.751x3.219	
34 505 C.I. (8.3L) CUMMINS 6CT & 6CTA DIESEL				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Int.	3924492	PV4388	2.04x3/8x5.94	
Exh.	3921444	PV4386	1.81x3/8x5.94	
Seats Int.	3924582	PC2129E-2	2.129x.306x1.752/1.868 HI-CHROME	
Exh.	3904716	PC1857E-1	1.857x.229x1.575/1.660 HI-CHROME	
Guides Both	J901187	C8122	.376x.629x2.835	
Seals Both	3927642	374630	.374x.630 “Viton”	
Locks Both	3901177	059-211-073	Top-bead 3/8	
Springs Both	3906412	050-1421	1.38odx1.00id*109Lb.@2.00	
35 611 C.I. (10.0L) CUMMINS LTA10				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Int.	3033234	PV2510	1.67x3/8x6.94	
Exh.	3818520	PV2511	1.67x3/8x6.94	
Seats Both	3028070	PC1812E-4	1.812x.197x1.520 HI-CHROME	
Guides Both	3033314	C7625	.381x.650x2.934	
	3703512	C8210	.381x.650x2.633	
Seals Both	3328781	378564	.378x.564 “M/C”	
Locks Both	3275354	059-885-500	Top-bead 3/8	
Springs Both	3033233	051-298	0.98odx0.71id* 60Lb.@2.30	
	3033232	051-296	1.44odx1.02id*132Lb.@2.58	
36 855 C.I. (14.0L) CUMMINS NTA 855 SERIES BC 111				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Exh.	3040830	P2472 PS2472	1.87x.450x7.06 1.87x.450x7.06	
Seats Both		PC2003E-1 PC2003E-1N PC2006E-1 M22006E-1 PC2006E-1N	2.003x.281x1.687 HI-CHROME “ “ “ HI-NICKEL 2.006x.281x1.687 HI-CHROME “ “ “ TUNGSTEN CARBIDE “ “ “ HI-NICKEL	
Guides Both		C7994G	.453x.752x3.400	
Locks Both	127554	059-127-544	2 Round-bead 7/16	
Springs Both	211999	051-014	1.24odx .90id* 70Lb.@2.25	

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37 JD382 CONTINENTAL				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1812-1	1.812x.250x1.562 HI-CHROME	
		M21812-1	" " " TUNGSTEN CARBIDE	
		PC1625-1	1.625x.218x1.375 HI-CHROME	
		M21625-1	" " " TUNGSTEN CARBIDE	
Guides	Int.	760181M1	C1701	.436x.752x2.875
Locks	Both		059-54GC126	Single-groove 7/16
38 MISCELLANEOUS ("L")				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Both		PC2125-10	2.125x.281x1.750 HI-CHROME



CATERPILLAR

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7	305 C.I. (5.0L) 3046 MITSUBISHI S6S FORKLIFT		L6
8	350 C.I. (5.7L) 1670 - D330A - D330B	2 VALVE	L4
9	350 C.I. (5.7L) D4CD - 525 (8.6L) D6B - D300, D333	2 VALVE	L4/6
10	350 C.I. (5.7L) D312	2 VALVE	L4
11	350 C.I. (5.7L) D315 - D315G	2 VALVE	L4
12	365 C.I. (6.0L) 3056 TURBO & NATURALLY ASPIRATED		L6
13	365 C.I. (6.0L) 3056 NATURALLY ASPIRATED, TURBOCHARGED		L6
14	425 C.I. (7.0L) D330C	2 VALVE	L4
15	425 C.I. (7.0L) G3304, GAS	2 VALVE	L4
16	425 C.I. (7.0L) 3304 - 638 C.I. (10.5L) 3306	2 VALVE	L4/6
17	442 C.I. (7.2L) 3126	2 VALVE	L6
18	442 C.I. (7.2L) 3126B - C7 TURBO DIESEL "ACERT"	3 VALVE	L6
19	525 C.I. (8.6L) D318 - D318G	2 VALVE	L6
20	525 C.I. (8.6L) D6B		L6
21	525 C.I. (8.6L) D333A	2 VALVE	L6
22	525 C.I. (8.6L) 1673	2 VALVE	L6
23	537 C.I. (8.8L) C9 TURBO DIESEL	4 VALVE	L6
24	629 C.I. (10.3L) C10 - 732 C.I. (12.0L) C12	4 VALVE	L6
25	629 C.I. (10.3L) 3176 DIESEL	4 VALVE	L6
26	636 C.I. (10.5L) 1676	2 VALVE	V8
27	636 C.I. (10.5L) 3208 NATURALLY ASPIRATED - TURBO	2 VALVE	V8
28	636 C.I. (10.5L) D336 - D334	2 VALVE	V8
29	638 C.I. (10.5L) 3306, DIESEL	2 VALVE	L6
30	638 C.I. (10.5L) D333C	2 VALVE	L6
31	638 C.I. (10.5L) 1673C	2 VALVE	L6
32	638 C.I. (10.5L) 1674	2 VALVE	L6
33	677 C.I. (11.1L) C11, C13A TURBO DIESEL	4 VALVE	L6

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34	D339, D8, D342, D364, D375, D386, D397	2 VALVE 4/6/8/12
35	893 C.I. (14.6L) D343 - 1693	4 VALVE L6
36	893 C.I. (14.6L) C15	4 VALVE L6
37	893 C.I. (14.6L) 3406 - 3408 - 3412 DIESEL	4 VALVE 6/8/12
38	893 C.I. (14.6L) G3406, GAS	4 VALVE L6
39	893 C.I. (14.6L) 3406B, DIESEL	4 VALVE L6
40	893 C.I. (14.6L) 3406C -3408C DIESEL - 3412C DIESEL	4 VALVE 6/8/12
41	893 C.I. (14.6L) 3406E - 3408E DIESEL - 3412E DIESEL - C18	4 VALVE 6/8/12
42	964 C.I. (15.8L) 3456	4 VALVE L6
43	964 C.I. (15.8L) C16	4 VALVE L6
44	1099 C.I. (18.0L) G3408, GAS	5 VALVE L6
45	1191 C.I. (19.5L) D346 - D348 - D349	4 VALVE 8/12/16
46	1246 C.I. (20.4L) D8, D342	2 VALVE L6
47	D9 - D353 - 379 LP GAS DIESEL - D398 - D399, D379	2 VALVE 6/8/12/16
48	1473 C.I. (24.1L) G353 - G398 - G399 - G379 NATURAL GAS	2 VALVE 6/12/16
49	1648 C.I. (27.0L) C27, C32, TURBO DIESEL, INDUST	4 VALVE 12
50	1649 C.I. (27.0L) G3412, GAS	4 VALVE V12
51	1662 C.I. (27.2L) D364, D375, D386, D397, DIESEL	V8/12
52	3508 - 3512 DIESEL, INDUST, - 3516 DIESEL, INDUST.	4 VALVE 8/12/16
53	3508B INDUST, MARINE - 3512B, 3516B DIESEL, INDUST, MARINE	4 VALVE 8/12/16
54	2107 C.I. (34.5L) G3508, G3512, G3516, GAS	4 VALVE V8/12/16
55	5266 C.I. (86.3L) 3520 NG TURBO INDUSTRIAL	4 VALVE V20
56	5266 C.I. (86.3L) G3520, GAS	4 VALVE V20
57	7143 C.I. (117.0L) 3524B, DIESEL, INDUST.	4 VALVE V24

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1 163 C.I. (2.7L) G1600 GAS & LPG HERCULES				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Guides	Both		C9977	.312x.502x2.281	
2 174 C.I. (2.8L) 3204 TURBO, N.A.				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Valves	Int. Exh.	9L7682 9N5125 9L7683	P3014 PS3019 P3019	2.09x3/8x5.69 1.80x3/8x5.68 - STELLITE 1.80x3/8x5.68 - NA ONLY	
Seats	Int. Exh.	2N8943 9N2837	PC2150E-1 PC1912E-1	2.150x.292x1.859 HI-CHROME 1.912x.281x1.625 HI-CHROME	
Guides	Int. Exh.	4W3778 4W3779	C7681 C7682	.373x.502x2.598 .373x.502x3.000	
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8	
Springs	Both	1W-4259 9N3617	051-240 051-239	1.55odx1.13id* 48Lb.@1.80 1.43odx1.05id* 52Lb.@1.70	
3 203 C.I. (3.3L) 3044 MITSUBISHI S4S FORKLIFT					L4
PART		OE#	PART NO.	NOTES	
Seals	Both		AV7367-VI	.315x.472 "Viton" - "Poly" available	
4 244 C.I. (4.0L) 3054 NATURALLY ASPIRATED, TURBOCHARGED					L4
PART		OE#	PART NO.	NOTES	
Guides	Int. Exh.		C1976 C1977	.375x.626x2.281 .375x.626x2.406	
5 244 C.I. (4.0L) 3054 TURBO & NATURALLY ASPIRATED, 258 C.I. (4.2L) 3054B, N.A.					L4
PART		OE#	PART NO.	NOTES	
Seals	Exh.		354553	.354x.552 "Viton"	
6 268 C.I. (4.4L) 3114 - 403 C.I. (6.6L) 3116				2 VALVE	L4/6
PART		OE#	PART NO.	NOTES	
Valves	Int. Exh.	7W-8064 161-4280 105-1779	P5072 P5222 PS5073	1.85x8mmx6.97 1.85x8mmx6.97 - (6.6L) ONLY 1.57x8mmx6.96	
Guides	Both	9Y8848	C8590	.318x.513x2.955	
Seals	Both	1191036	315475	.315x.475 "Hat"	
Locks	Both	1W2715	059-889-500	Top-bead 8mm	
Springs	Both	6I2307 7C4273	050-1452 050-1451	1.13odx0.73id*139Lb.@2.78 1.13odx0.76id* 52Lb.@2.59	
7 305 C.I. (5.0L) 3046 MITSUBISHI S6S FORKLIFT					L6
PART		OE#	PART NO.	NOTES	
Seals	Both		AV7367-VI	.315x.472 "Viton" - "Poly" available	

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8 350 C.I. (5.7L) 1670 - D330A - D330B 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME
	Exh.	M22006E-2 PC1880E-2	" " " TUNGSTEN CARBIDE 1.880x.437x1.562/1.625 HI-CHROME
Guides	Both	4N3668	C7242
Locks	Both	2A4429	059-080-526
Springs	Both	9H9164	050-817
9 350 C.I. (5.7L) D4CD - 525 (8.6L) D6B - D300, D333 2 VALVE L4/6			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC2250-8	2.250x.250x1.812 HI-CHROME
	Exh.	M22250-8 PC2000-13 M22000-13	" " " TUNGSTEN CARBIDE 2.000x.250x1.625 HI-CHROME " " " TUNGSTEN CARBIDE
Guides	Both	4N3668	C7242
Locks	Both	2A4429	059-080-526
Springs	Both	2S5267	050-817
10 350 C.I. (5.7L) D312 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME
	Exh.	9M6495 PC1880E-2	1.880x.437x1.562/1.625 HI-CHROME
Locks	Both	2A4429	059-080-526
11 350 C.I. (5.7L) D315 - D315G 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Seats	Int.	2N8943	PC2150E-1
	Exh.	9N2837	PC1912E-1
12 365 C.I. (6.0L) 3056 TURBO & NATURALLY ASPIRATED L6			
PART	OE#	PART NO.	NOTES
Seals	Exh.	354553	.354x.552 "Viton"
13 365 C.I. (6.0L) 3056 NATURALLY ASPIRATED, TURBOCHARGED L6			
PART	OE#	PART NO.	NOTES
Guides	Int.	C1976	.375x.626x2.281
	Exh.	C1977	.375x.626x2.406
14 425 C.I. (7.0L) D330C 2 VALVE L4			
PART	OE#	PART NO.	NOTES
Valves	Int.	9N6117	P3085XS
		7W7490	PV4381
		100-7860	PV2520
	Exh.	8N0875	PS3089
		7W7218	PV4380
			PV2519
Seats	Int.	5S7218	PC2129E-1
			M22129E-1
			PC2131E-1
	Exh.	5S7221	PC2004E-2
			PC2006E-2
			M22006E-2

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14 425 C.I. (7.0L) D330C (CONT.) 2 VALVE L4

PART	OE#	PART NO.	NOTES
Guides Both	2P1262	C7194	.375x.657x2.781
	7W7489	C8220	.375x.658x3.700
	7N4310	C8408	.375x.658x2.775
	7E1551	C8594	.375x.658x2.640
Seals Both	6N-7174	374700	.374x.700 "Nylon"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	7S7144	050-948	1.380dx1.01id* 58Lb.@1.76
Rotator		RC642	ROTOCAP

15 425 C.I. (7.0L) G3304, GAS 2 VALVE L4

PART	OE#	PART NO.	NOTES
Valves Int.		P3085XS	2.02x3/8x5.51
		PV4381	2.02x3/8x6.437x30d
		PV4380	1.89x3/8x6.395x30d
Seats Int.		PC2049E-1	2.049x.343x1.781/1.871 HI-CHROME
		PC2129E-1	2.129x.437x1.812/1.863 HI-CHROME
		M22129E-1	" " " TUNGSTEN CARBIDE
		PC2004E-4N	2.004x.438x1.688 HI-NICKEL
Guides Both		C8220	.375x.658x3.700
		C8408	.375x.658x2.775
		C8594	.375x.658x2.640
Seals Both		374700	.374x.700 "Nylon"
Locks Both		059-080-526	2 Round-bead 3/8
Springs Both		050-948	1.380dx1.01id* 58Lb.@1.76
Rotators		RC642	ROTOCAP

16 425 C.I. (7.0L) 3304 - 638 C.I. (10.5L) 3306 2 VALVE L4/6

PART	OE#	PART NO.	NOTES
Valves Int.	2W2621	P3085XS	2.02x3/8x5.51
	7W7490	PV4381	2.02x3/8x6.437x30d
	100-7860	PV2520	2.02x3/8x5.37
	8N0875	PS3089	1.89x3/8x5.49
	7W7218	PV4380	1.89x3/8x6.395x30d
		PV2519	1.89x3/8x5.30
Seats Int.	7N4448	PC2049E-1	2.049x.343x1.781/1.871 HI-CHROME
	5S7218	PC2129E-1	2.129x.437x1.812/1.863 HI-CHROME
		M22129E-1	" " " TUNGSTEN CARBIDE
		PC2131E-1	2.131x.437x1.812/1.863 HI-CHROME
	5S7221	PC2004E-2	2.004x.437x1.687 HI-CHROME
	2W4837	PC2004E-3N	2.004x.317x1.685/1.735 HI-NICKEL
	7N1649	PC2004E-4N	2.004x.438x1.688 HI-NICKEL
		PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME
		M22006E-2	" " " HI-CHROME
Guides Both	2P1262	C7194	.375x.657x2.781
	7W7489	C8220	.375x.658x3.700
	7N4310	C8408	.375x.658x2.775
	7E1551	C8594	.375x.658x2.640
Seals Both	6N-7174	374700	.374x.700 "Nylon"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	7S7144	050-948	1.380dx1.01id* 58Lb.@1.76
Rotators		RC642	ROTOCAP

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17 442 C.I. (7.2L) 3126					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	161-4280	P5222	1.85x8mmx6.97		
	Exh.	105-1779	PS5073	1.57x8mmx6.96		
Guides	Both	9Y8848	C8590	.318x.513x2.955		
Seals	Both	1191036	315475	.315x.475 "Hat"		
Locks	Both	1W2715	059-889-500	Top-bead 8mm		
Springs	Exh.	6I2307	050-1452	1.130dx0.73id*139Lb.@2.78		
	Both	7C4273	050-1451	1.130dx0.76id* 52Lb.@2.59		
18 442 C.I. (7.2L) 3126B - C7 TURBO DIESEL "ACERT"					3 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	143-7390	PS5099	1.57x8mmx7.20		
	Exh.	147-8211	PS5098	1.69x3/8x7.83		
Guides	Int.	140-9670	C2010	.317x.513x3.170		
	Exh.	147-8220	C2009	.374x.630x3.350		
Seats	Int.	147-8214	317472	.317x.472 "Hat"		
	Exh.	102-6229	374505	.374x.505 "M/C"		
Locks	Int.	1W2715	059-889-500	Top-bead 8mm		
	Exh.	2A4429	059-080-526	2 Round-bead 3/8		
Springs	Int.	140-6188	050-1453	1.130dx0.76id* 93Lb.@2.30		
	Exh.	137-6718	050-1454	1.130dx0.72id*129Lb.@3.25		
19 525 C.I. (8.6L) D318 - D318G					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.	2N8943	PC2150E-1	2.150x.292x1.859 HI-CHROME		
	Exh.	9N2837	PC1912E-1	1.912x.281x1.625 HI-CHROME		
20 525 C.I. (8.6L) D6B						L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC2250-8	2.250x.250x1.812 HI-CHROME		
			M22250-8	" " " TUNGSTEN CARBIDE		
	Exh.		PC2000-13	2.000x.250x1.625 HI-CHROME		
			M22250-8	" " " TUNGSTEN CARBIDE		
Guides	Both		C7242	.375x.658x3.180		
Locks	Both		059-080-526	2 Round-bead 3/8		
Springs	Both		050-817	1.280dx0.90id* 56Lb.@2.34		
21 525 C.I. (8.6L) D333A					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.	9M6495	PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME		
			M22006E-2	" " " TUNGSTEN CARBIDE		
	Exh.		PC1880E-2	1.880x.437x1.562/1.625 HI-CHROME		
Guides	Both	4N3668	C7242	.375x.658x3.180		
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8		
Springs	Both	2S5267	050-817	1.280dx0.90id* 56Lb.@2.34		

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22 525 C.I. (8.6L) 1673 2 VALVE L6

PART	OE#	PART NO.	NOTES
Seats Int.		PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME
		M22006E-2	“ “ “ TUNGSTEN CARBIDE
Exh.		PC1880E-2	1.880x.437x1.562/1.625 HI-CHROME
Guides Both	2P1262	C7194	.375x.657x2.781
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	9H9164	050-817	1.280dx0.90id* 56Lb.@2.34

23 537 C.I. (8.8L) C9 TURBO DIESEL 4 VALVE L6

PART	OE#	PART NO.	NOTES
Guides Both		C3058	.374x.629x3.155
Locks Int.		059-889-500	Top-bead 8mm
Seals Both	163-2478	374505	.374x.505 “Viton”
Locks Both	2A-4429	059-080-526	2 Round-bead 3/8

24 629 C.I. (10.3L) C10 - 732 C.I. (12.0L) C12 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int.	7E-9578	P5097	1.77x3/8x6.85
	1242692	PS5097	1.77x3/8x6.85
Exh.	7C-1586	PV2512X	1.65x3/8x6.85
Guides Both	1008150	C8592	.374x.630x2.780
Seals Both	7E7978	375000	.375x.000 “Nylon”
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	224-4441	050-1462	0.920dx0.68id* 50Lb.@1.80
	214-0586	050-1463	1.340dx0.97id* 90Lb.@2.00

25 629 C.I. (10.3L) 3176 DIESEL 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int.	7E-9578	P5097	1.77x3/8x6.85
		PS5097	1.77x3/8x6.85
Exh.	7C-1586	PV2512X	1.65x3/8x6.85
Seats Int.	4N5893	PC1812E-3	1.812x.365x1.540/1.610 HI-CHROME
Guides Both	1008150	C8592	.374x.630x2.780
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	224-4441	050-1462	0.920dx0.68id* 50Lb.@1.80
	214-0586	050-1463	1.340dx0.97id* 90Lb.@2.00

26 636 C.I. (10.5L) 1676 2 VALVE V8

PART	OE#	PART NO.	NOTES
Seats Int.	152894	PC1505E-1	1.505x.343x1.250 HI-CHROME
		M21505E-1	“ “ “ TUNGSTEN CARBIDE
Exh.	152895	PC1442E-2	1.442x.343x1.218 HI-CHROME
Guides Both		C6881+2	.314x.566x3.031
Locks Both	152898	059-614-200	Single-groove 8mm
Springs Both	1W4259	051-240	1.550dx1.13id* 48Lb.@1.80
	9N3387	051-239	1.430dx1.05id* 52Lb.@1.70

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27 636 C.I. (10.5L) 3208 NATURALLY ASPIRATED - TURBO 2 VALVE V8

PART	OE#	PART NO.	NOTES
Valves Int. Exh.	9L7682 9L7683	P3014 P3019 PS3019	2.09x3/8x5.69 1.80x3/8x5.68 1.80x3/8x5.68
Seats Int. Exh.	2N8943 9N2837	PC2150E-1 PC1912E-1	2.150x.292x1.859 HI-CHROME 1.912x.281x1.625 HI-CHROME
Guides Int. Exh.	4W3778 6I2864 4W3779	C7681 C8357 C7682	.373x.502x2.598 .373x.502x2.598 .373x.502x3.000
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	1W-4259 9N5496 9N5495 9N3617	051-240 051-291 051-292 051-239	1.550dx1.13id* 48Lb.@1.80 1.560dx1.19id* 42Lb.@1.79 1.050dx0.79id* 20Lb.@1.67 1.430dx1.05id* 52Lb.@1.70

28 636 C.I. (10.5L) D336 - D334 2 VALVE V8

PART	OE#	PART NO.	NOTES
Seats Int. Exh.	1S2894 1S2895	PC1505E-1 M21505E-1 PC1442E-2	1.505x.343x1.250 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.442x.343x1.218 HI-CHROME
Guides Both	1S2899	C6862 C6881+2	.314x.596x3.030 .314x.566x3.031
Locks Both	1S2898	059-614-200	Single-groove 8mm

29 638 C.I. (10.5L) 3306, DIESEL 2 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int. Exh.		P3085XS PV4381 PV2520 PV3089 PV4380 PV2519	2.02x3/8x5.51 2.02x3/8x6.437x30d 2.02x3/8x5.37 1.89x3/8x5.49 1.89x3/8x6.395x30d 1.89x3/8x5.30
Seats Int. Exh.		PC2049E-1 PC2129E-1 M22129-E-1 PC2131E-1 PC2004E-2 PC2004E-3N PC2004E-4N PC2006E-2 M22006E-2	2.049x.343x1.781/1.871 HI-CHROME 2.129x.437x1.812/1.863 HI-CHROME “ “ “ TUNGSTEN CARBIDE 2.131x.437x1.812/1.863 HI-CHROME 2.004x.437x1.687 HI-CHROME 2.004x.317x1.685/1.735 HI-NICKEL 2.004x.438x1.688 HI-NICKEL 2.006x.437x1.687/1.748 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides Both		C7194 C8220 C8408 C8594	.375x.657x2.781 .375x.658x3.700 .375x.658x2.775 .375x.658x2.640
Seals Both		374700	.374x.700 “Nylon”
Locks Both		059-080-526	2 Round-bead 3/8
Springs Both		050-948	1.380dx1.01id* 58Lb.@1.76
Rotators		RC642	ROTOCAP

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30 638 C.I. (10.5L) D333C				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves	Int.	9N6117	P3085XS	2.02x3/8x5.51
		7W7490	PV4381	2.02x3/8x6.437x30d
		100-7860	PV2520	2.02x3/8x5.37
	Exh.	8N0875	PS3089	1.89x3/8x5.49
		7W7491	PV4380	1.89x3/8x6.395x30d
			PV2519	1.89x3/8x5.30
Seats	Int.	5S7218	PC2129E-1	2.129x.437x1.812/1.863 HI-CHROME
			M22129E-1	“ “ “ TUNGSTEN CARBIDE
			PC2131E-1	2.131x.437x1.812/1.863 HI-CHROME
	Exh.	5S7221	PC2004E-2	2.004x.437x1.687 HI-CHROME
			PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME
Guides	Both	2P1262	C7194	.375x.657x2.781
		7W7489	C8220	.375x.658x3.700
		7N4310	C8408	.375x.658x2.775
		7W1551	C8594	.375x.658x2.640
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8
Springs	Both	7S7144	050-948	1.380dx1.01id* 58Lb.@1.76
Rotator			RC642	ROTOCAP
31 638 C.I. (10.5L) 1673C				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves	Int.	9N6117	P3085XS	2.02x3/8x5.51
	Exh.	8N0875	PS3089	1.89x3/8x5.49
Seats	Int.	5S7218	PC2129E-1	2.129x.437x1.812/1.863 HI-CHROME
			M22129E-1	“ “ “ TUNGSTEN CARBIDE
			PC2131E-1	2.131x.437x1.812/1.863 HI-CHROME
	Exh.	5S7221	PC2004E-2	2.004x.437x1.687 HI-CHROME
			PC2006E-2	2.006x.437x1.687/1.748 HI-CHROME
			M22006E-2	“ “ “ TUNGSTEN CARBIDE
Guides	Both	2P1262	C7194	.375x.657x2.781
Seals	Both	6N-7174	374700	.374x.700 “Nylon”
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8
Springs	Both	7S7144	050-948	1.380dx1.01id* 58Lb.@1.76
Rotators			RC642	ROTOCAP
32 638 C.I. (10.5L) 1674				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats	Int.	1S2894	PC1505E-1	1.505x.343x1.250 HI-CHROME
	Exh.	1S2895	M21505E-1	“ “ “ TUNGSTEN CARBIDE
Guides	Both		PC1442E-2	1.442x.343x1.218 HI-CHROME
Locks	Both	1S2898	C6881+2	.314x.566x3.031
Seals	Both		059-614-200	Single-groove 8mm
33 677 C.I. (11.1L) C11, C13A TURBO DIESEL				4 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves	Int.	252-7802	P5260	1.75x3/8x7.41
	Exh.	248-1467	P5261	1.63x3/8x7.36
Guides	Both	268-2953	C3058	.374x.629x3.155
Seals	Both	163-2478	374505	.374x.505 “Viton”
		7E7978	375000	.375x.000 “Nylon”

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33 677 C.I. (11.1L) C11, C13A TURBO DIESEL (CONT.) 4 VALVE L6

PART	OE#	PART NO.	NOTES
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	224-4441 214-0586	050-1462 050-1463	0.92odx0.68id* 50Lb.@1.80 INNER 1.34odx0.97id* 90Lb.@2.00 OUTER

34 D339, D8, D342, D364, D375, D386, D397 2 VALVE 4/6/8/12

PART	OE#	PART NO.	NOTES
Seats Int.	8M8745	PC2503E-2	2.503x.500x2.062/2.160 HI-CHROME
Exh.		PC2506E-2	2.506x.500x2.062/2.160 HI-CHROME
	8M9810	PC2503E-1	2.503x.500x2.000 HI-CHROME
		PC2506E-1	2.506x.500x2.000 HI-CHROME
Guides Both	1W1816 7N2051	C7604 C7338	.372x.939x5.250 .502x.938x5.250
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	9M5349 9M5350	050-944 050-945	1.13odx0.88id* 20Lb.@1.79 INNER 1.71odx1.28id* 65Lb.@2.21 OUTER

35 893 C.I. (14.6L) D343 - 1693 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int.	1N4885	P2992XS	1.77x3/8x5.99 STELLITE
Exh.	7E7830	PS2991	1.64x3/8x5.99
Seats Int.	9M3205 9S9699	PC1812E-1	1.812x.365x1.562/1.662 HI-CHROME
		PC1812E-2	1.812x.375x1.562/1.662 HI-CHROME
		PC1818E-1	1.818x.365x1.562/1.662 HI-CHROME
		PC1818E-2	1.818x.375x1.562/1.662 HI-CHROME
Exh.		PC1687E-1N	1.687x.365x1.437/1.546 HI-NICKEL
		PC1693E-1N	1.693x.365x1.437/1.546 HI-NICKEL
		PC1693E-2	1.693x.375x1.437/1.546 HI-CHROME
Guides Both	6N2236	C7255	.375x.689x2.815
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	2S4213	050-950	1.48odx1.10id* 55Lb.@1.95

36 893 C.I. (14.6L) C15 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int.	153-7023	PS5056	1.85x3/8x7.95
		P5056	1.85x3/8x7.95
Exh.	153-7024	PS5057	1.64x3/8x7.95
		P5057	1.64x3/8x7.95
Seats Int.	152-7582	PC1891E-1	1.891x.306x1.615/1.637 HI-CHROME
Exh.		PC1687E-1N	1.687x.365x1.437/1.546 HI-NICKEL
		PC1693E-1N	1.693x.365x1.437/1.546 HI-NICKEL
Guides Both	122-7375	C3007 C7215	.374x.629x3.358 .374x.630x3.350
Seals Both	2A4429	374505	.374x.505 "Viton"
Locks Both	211-3122	059-080-526	2 Round-bead 3/8
Springs Both	211-3123	050-1464 050-1465	0.99odx0.74id* 37Lb.@2.36 INNER 1.44odx1.05id* 81Lb.@2.64 OUTER

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37 893 C.I. (14.6L) 3406 - 3408 - 3412 DIESEL 4 VALVE 6/8/12

PART	OE#	PART NO.	NOTES
Valves Int.	4W5374	P3021X	1.77x3/8x7.140
	122-7353	PV2218X	1.77x3/8x7.140
Exh.	7N4580	PS3020	1.64x3/8x7.140
	101-8314	PV2217X	1.64x3/8x7.140
Seats Int.	4N5893	PC1812E-3	1.812x.365x1.540/1.610 HI-CHROME
		PC1817E-3	1.817x.365x1.540/1.610 HI-CHROME
Exh.	9S9699	PC1687E-1N	1.687x.365x1.437/1.546 HI-NICKEL
		PC1693E-1N	1.693x.365x1.437/1.546 HI-NICKEL
Guides Int.	213-7536	C3051X	.374x.689x3.730
Exh.	213-7537	C3052X	.374x.689x4.130
Both		B7216	.374x.689x3.095 BRONZE
	4N2803	C7216	.375x.689x3.250
		C7216N	.375x.689x3.250 NITROCARBURIZED
		C7736	.374x.689x3.250
	7W1636	C8319	.374x.689x3.250
Seals Both	6N-7174	374700	.374x.700 "Nylon"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	4N5906	051-173	1.23odx0.86id* 78Lb.@2.20
	4W2471	051-293	1.46odx1.06id* 55Lb.@2.09 OUTER
	4W2472	051-294	0.98odx0.73id* 44Lb.@1.97 INNER

38 893 C.I. (14.6L) G3406, GAS 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int.		P3021X	1.77x3/8x7.14
		PV2218X	1.77x3/8x7.14
Exh.		PV2217X	1.64x3/8x7.14
Seats Int.		PC1812E-3	1.812x.365x1.540/1.610 HI-CHROME
		PC1817E-3	1.817x.365x1.540/1.610 HI-CHROME
Guides Int.		C3051X	.374x.689x3.730
Exh.		C3052X	.374x.689x4.130
Seals Both		374700	.374x.700 "Nylon"
Locks Both		059-080-526	2 Round-bead 3/8
Springs Both		051-173	1.23odx0.86id* 78Lb.@2.20

39 893 C.I. (14.6L) 3406B, DIESEL 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int.	4W5374	P3021X	1.77x3/8x7.14
	122-7353	PV2218X	1.77x3/8x7.14
Exh.	7N4580	PS3020	1.64x3/8x7.14
	101-8314	PV2217X	1.64x3/8x7.14
Seats Int.	4N5893	PC1812E-3	1.812x.365x1.540/1.610 HI-CHROME
		PC1817E-3	1.817x.365x1.540/1.610 HI-CHROME
Exh.	959699	PC1687E-1N	1.687x.365x1.437/1.546 HI-NICKEL
		PC1693E-1N	1.693x.365x1.437/1.546 HI-NICKEL
Guides Both		B7216	.374x.689x3.095 BRONZE
	122-7374	C3014	.374x.689x3.050
	4N2803	C7216	.375x.689x3.250
		C7216N	.375x.689x3.250 NITROCARBURIZED
		C7736	.374x.689x3.250
	7W1636	C8319	.374x.689x3.250

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39 893 C.I. (14.6L) 3406B, DIESEL (CONT.) 4 VALVE L6

PART	OE#	PART NO.	NOTES
Seals Both	6N-7174 102-6229	374700 374505	.374x.700 "Nylon" .374x.505 "Viton"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	4N5906 4W2471 4W2472	051-173 051-293 051-294	1.230dx0.86id* 78Lb.@2.20 1.460dx1.06id* 55Lb.@2.09 OUTER 0.980dx0.73id* 44Lb.@1.97 INNER

40 893 C.I. (14.6L) 3406C -3408C DIESEL - 3412C DIESEL 4 VALVE 6/8/12

PART	OE#	PART NO.	NOTES
Valves Int. Exh.		P5262 P5263	1.77x3/8x7.250 1.64x3/8x7.250
Seats Int. Exh.		PC1812E-3 PC1817E-3 PC1687E-1N PC1693E-1N	1.812x.365x1.540/1.610 HI-CHROME 1.817x.365x1.540/1.610 HI-CHROME 1.687x.365x1.437/1.546 HI-NICKEL 1.693x.365x1.437/1.546 HI-NICKEL
Guides Both	122-7374	C3014	.374x.689x3.050
Seals Both	6N-7174 102-6229	374700 374505	.374x.700 "Nylon" .374x.505 "Viton"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	4N5906 4W2472 4W2471	051-173 051-294 051-293	1.230dx0.86id* 78Lb.@2.20 0.980dx0.73id* 44Lb.@1.97 INNER 1.460dx1.06id* 55Lb.@2.09 OUTER

41 893 C.I. (14.6L) 3406E - 3408E DIESEL - 3412E DIESEL - C18 4 VALVE 6/8/12

PART	OE#	PART NO.	NOTES
Valves Int. Exh.	153-7023 153-7024	PS5056 P5056 PS5057 P5057	1.85x3/8x7.95 1.85x3/8x7.95 1.64x3/8x7.95 1.64x3/8x7.95
Seats Int. Exh.	1564168 9S9699	PC1891E-1 PC1687E-1N PC1693E-1N	1.891x.306x1.615/1.637 HI-CHROME 1.687x.365x1.437/1.546 HI-NICKEL 1.693x.365x1.437/1.546 HI-NICKEL
Guides Both	122-7375	C3007 C7215	.374x.629x3.358 .374x.630x3.350 SNAP-RING GROOVE
Seals Both	102-6229	374505	.374x.505 "Viton"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	211-3122 211-3123	050-1464 050-1465	0.990dx0.74id* 37Lb.@2.36 INNER 1.440dx1.05id* 81Lb.@2.64 OUTER

42 964 C.I. (15.8L) 3456 4 VALVE L6

PART	OE#	PART NO.	NOTES
Valves Int. Exh.	153-7023 153-7024	PS5056 P5056 PS5057 P5057	1.85x3/8x7.95 - INCONEL 1.85x3/8x7.95 1.64x3/8x7.95 - INCONEL 1.64x3/8x7.95
Guides Both	122-7375	C3007	.374x.629x3.358
Seals Both	163-2478	374505	.374x.505 "Viton"
Locks Both	2A-4429	059-080-526	2 Round-bead 3/8
Springs Both	211-3122 247-9908	050-1464 050-1465	0.990dx0.74id* 37Lb.@2.36 1.440dx1.05id* 81Lb.@2.64

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43 964 C.I. (15.8L) C16					4 VALVE L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	153-7023	PS5056	1.85x3/8x7.95	
	Exh.	153-7024	PS5057	1.64x3/8x7.95	
Seats	Int.	1564168	PC1891E-1	1.891x.306x1.615/1.637 HI-CHROME	
	Exh.	9S9699	PC1687E-1N PC1693E-1N	1.687x.365x1.437/1.546 HI-NICKEL 1.693x.365x1.437/1.546 HI-NICKEL	
Guides	Both	122-7375	C3007	.374x.629x3.358	
			C7215	.374x.630x3.350 SNAP-RING GROOVE	
Seals	Both	102-6229	374505	.374x.505 “Viton”	
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8	
Springs	Both	211-3122	050-1464	0.99odx0.74id* 37Lb.@2.36 INNER	
		211-3123	050-1465	1.44odx1.05id* 81Lb.@2.64 OUTER	
44 1099 C.I. (18.0L) G3408, GAS					5 VALVE L6
PART		OE#	PART NO.	NOTES	
Valves	Int.		P3021X	1.77x3/8x7.14	
	Exh.		PV2218X PV2217X	1.77x3/8x7.14 1.64x3/8x7.14	
Seats	Int.		PC1812E-3 PC1817E-3	1.812x.365x1.540/1.610 HI-CHROME 1.817x.365x1.540/1.610 HI-CHROME	
	Exh.		C3051X C3052X	.374x.689x3.730 .374x.689x4.130	
Seals	Both		374700	.374x.700 “Nylon”	
Locks	Both		059-080-526	2 Round-bead 3/8	
Springs	Both		051-173	1.23odx0.86id* 78Lb.@2.20	
45 1191 C.I. (19.5L) D346 - D348 - D349					4 VALVE 8/12/16
PART		OE#	PART NO.	NOTES	
Valves	Int.	1N4885	P2992XS	1.77x3/8x5.99	
	Exh.	7E7830	PS2991	1.64x3/8x5.99	
Seats	Int.	9M3205	PC1812E-1	1.812x.365x1.562/1.662 HI-CHROME	
			PC1818E-1	1.818x.365x1.562/1.662 HI-CHROME	
			PC1818E-2	1.818x.375x1.562/1.662 HI-CHROME	
	Exh.	9S9699	PC1812E-2	1.812x.375x1.562/1.662 HI-CHROME	
			PC1687E-1N	1.687x.365x1.437/1.546 HI-NICKEL	
			PC1693E-1N	1.693x.365x1.437/1.546 HI-NICKEL	
			PC1693E-2	1.693x.375x1.437/1.546 HI-CHROME	
Guides	Both	6N2236	C7255	.375x.689x2.815	
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8	
Springs	Both	3S3018	051-241	1.21odx0.87id* 45Lb.@1.73	
46 1246 C.I. (20.4L) D8, D342					2 VALVE L6
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC2503E-2	2.503x.500x2.062/2.160 HI-CHROME	
	Exh.		PC2506E-2	2.506x.500x2.062/2.160 HI-CHROME	
			PC2503E-1	2.503x.500x2.000 HI-CHROME	
			PC2506E-1	2.506x.500x2.000 HI-CHROME	
Guides	Both		C7338	.502x.938x5.250	
			C7604	.372x.939x5.250	
Locks	Both		059-080-526	2 Round-bead 3/8	

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46 1246 C.I. (20.4L) D8, D342 (CONT.) 2 VALVE L6

PART	OE#	PART NO.	NOTES
Springs Both		050-944	1.130dx0.88id* 20Lb.@1.79
		050-945	1.710dx1.28id* 65Lb.@2.21

47 D9 - D353 - 379 LP GAS DIESEL - D398 - D399, D379 2 VALVE 6/8/12/16

PART	OE#	PART NO.	NOTES
Seats Int. Exh.	5S1757	PC2590E-1	2.590x.625x2.281/2.360 HI-CHROME
	8M4014	PC2435E-1	2.435x.625x2.125/2.207 HI-CHROME
Guides Exh.		C7073	.374x.877x5.450
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	756323	051-012	1.730dx1.28id* 88Lb.@2.21
	9M5349	050-944	1.130dx0.88id* 20Lb.@1.79 INNER
	9M5350	050-945	1.710dx1.28id* 65Lb.@2.21 OUTER

48 1473 C.I. (24.1L) G353 - G398 - G399 - G379 NATURAL GAS 2 VALVE 6/12/16

PART	OE#	PART NO.	NOTES
Seats Int.	5S1757	PC2590E-1	2.590x.625x2.281/2.360 HI-CHROME
Guides Exh.		C7073	.374x.877x5.450
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	756323	051-012	1.730dx1.28id* 88Lb.@2.21
	9M5349	050-944	1.130dx0.88id* 20Lb.@1.79 INNER
	9M5350	050-945	1.710dx1.28id* 65Lb.@2.21 OUTER

49 1648 C.I. (27.0L) C27, C32, TURBO DIESEL, INDUST 4 VALVE 12

PART	OE#	PART NO.	NOTES
Valves Int. Exh.	153-7023	PS5056	1.85x3/8x7.95
		P5056	1.85x3/8x7.95
	153-7024	PS5057	1.64x3/8x7.95
		P5057	1.64x3/8x7.95
Guides Both	122-7375	C3007	.374x.629x3.358
Seals Both	102-6229	374505	.374x.505 "Viton"
Locks Both	2A4429	059-080-526	2 Round-bead
Springs Both	211-3122	050-1464	0.990dx0.74id* 37Lb.@2.36
	211-3123	050-1465	1.440dx1.05id* 81Lb.@2.64

50 1649 C.I. (27.0L) G3412, GAS 4 VALVE V12

PART	OE#	PART NO.	NOTES
Valves Int. Exh.	115-2368	P3021X	1.77x3/8x7.14
	122-7353	PV2218X	1.77x3/8x7.14
	101-8314	PV2217X	1.64x3/8x7.14
Seats Int.	4N5893	PC1812E-3	1.812x.365x1.540/1.610 HI-CHROME
		PC1817E-3	1.817x.365x1.540/1.610 HI-CHROME
Guides Int. Exh.	213-7536	C3051X	.374x.689x3.730
	213-7537	C3052X	.374x.689x4.130
Seals Both	6N7174	374700	.374x.700 "Nylon"
Locks Both	2A4429	059-080-526	2 Round-bead 3/8
Springs Both	4N5906	051-173	1.230dx0.86id* 78Lb.@2.20

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51 1662 C.I. (27.2L) D364, D375, D386, D397, DIESEL					V8/12
PART		OE#	PART NO.	NOTES	
Seats	Int.	9M8745	PC2503E-2	2.503x.500x2.062/2.160 HI-CHROME	
		8M8745	PC2506E-2	2.506x.500x2.062/2.160 HI-CHROME	
	Exh.	8M9810	PC2503E-1	2.503x.500x2.000 HI-CHROME	
		8M9810	PC2506E-1	2.506x.500x2.000 HI-CHROME	
Guides	Both	7N2051	C7338	.502x.938x5.250	
		1W1816	C7604	.372x.939x5.250	
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8	
Springs	Both	9M5349	050-944	1.130dx0.88id* 20Lb.@1.79	
		9M5350	050-945	1.710dx1.28id* 65Lb.@2.21	
52 3508 - 3512 DIESEL, INDUST, - 3516 DIESEL, INDUST.					4 VALVE 8/12/16
PART		OE#	PART NO.	NOTES	
Guides	Int.	184-5495	C3018	.372x.689x4.046	
	Exh.	184-5494	C3017	.372x.689x4.046	
	Both	133-9306	C8679	.373x.688x4.060	
Seals	Both	137-6856	373580	.373x.580 “Viton”	
Locks	Both	2A4429	059-080-526	2 Round-bead 3.8	
Springs	Both	7N1903	052-470	1.150dx0.85id* 30Lb.@1.79	
		7N1904	052-471	1.730dx1.28id* 61Lb.@2.22	
53 3508B INDUST, MARINE - 3512B, 3516B DIESEL, INDUST, MARINE					4 VALVE 8/12/16
PART		OE#	PART NO.	NOTES	
Guides	Both	133-9306	C8679	.373x.688x4.060	
Seals	Both	137-6856	373580	.373x.580 “Viton”	
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8	
Springs	Both	194-4902	050-1460	1.210dx0.93id* 48Lb.@1.80	
		194-4901	050-1461	1.720dx1.27id*102Lb.@2.50	
54 2107 C.I. (34.5L) G3508, G3512, G3516, GAS					4 VALVE V8/12/16
PART		OE#	PART NO.	NOTES	
Guides	Int.		C3018	.372x.689x4.046	
	Exh.		C3017	.372x.689x4.046	
Seals	Both		373580	.373x.580 “Viton”	
Locks	Both		059-080-526	2 Round-bead 3/8	
Springs	Both		052-470	1.150dx0.85id* 30Lb.@1.79	
			052-471	1.730dx1.28id* 61Lb.@2.22	
55 5266 C.I. (86.3L) 3520 NG TURBO INDUSTRIAL					4 VALVE V20
PART		OE#	PART NO.	NOTES	
Guides	Int.	184-5495	C3018	.372x.689x4.046	
	Exh.	184-5494	C3017	.372x.689x4.046	
Locks	Both	2A-4429	059-080-526	2 Round-bead 3/8	
Springs	Both	194-4902	050-1460	1.210dx0.93id* 48Lb.@1.80 INNER	
		194-4901	050-1461	1.720dx1.27id*102Lb.@2.50 OUTER	

CATERPILLAR

56 5266 C.I. (86.3L) G3520, GAS 4 VALVE V20

PART		OE#	PART NO.	NOTES
Guides	Int.	184-5495	C3018	.372x.689x4.046
	Exh.	184-5494	C3017	.372x.689x4.046
Locks	Both	2A-4429	059-080-526	2 Round-bead 3/8
Springs	Both	7N1903	052-470	1.15odx0.85id* 30Lb.@1.79 - INNER
		7N1904	052-471	1.73odx1.28id* 61Lb.@2.22 - OUTER
		194-4902	050-1460	1.21odx0.93id* 48Lb.@1.80 - INNER
		194-4901	050-1461	1.72odx1.27id*102Lb.@2.50 - OUTER

57 7143 C.I. (117.0L) 3524B, DIESEL, INDUST. 4 VALVE V24

PART	OE#	PART NO.	NOTES	
Guides	Both	133-9306	C8679	.373x.688x4.060
Seals	Both	137-6856	373580	.373x.580 “Viton”
Locks	Both	2A4429	059-080-526	2 Round-bead 3/8
Springs	Both	194-4902	050-1460	1.21odx0.93id* 48Lb.@1.80
		194-4901	050-1461	1.72odx1.27id*102Lb.@2.50



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1	62 C.I. (1.0L) N62	2 VALVE L4
2	62 C.I. (1.0L) N4062	2 VALVE L4
3	Y69, Y91, Y112, Y4069, Y4091, Y4112, LY69, LY91, PY69, PY91, PY122	2 VALVE L4
4	OHV, GAS, DIESEL “TM13, TMD13” “TM20, TMD20” “TM27, TMD27, TMDT27”	2 VALVE 2/4
5	120 C.I. (2.0L) Z120	2 VALVE L4
6	LF124, LF140, LF162, F124, F140, F4124, F4140, F4162, PF124, PF140, PF162	2 VALVE L4
7	129 C.I. (2.1L) Z129, Z134, Z145	2 VALVE L4
8	135 C.I. (2.2L) F135	2 VALVE L4
9	163 C.I. (2.7L) F163	2 VALVE L4
10	176 C.I. (2.9L) G176, G176 LPG	2 VALVE L4
11	186 C.I. (3.0L) F6186, F186	2 VALVE L6
12	193 C.I. (3.2L) G4193, G193	2 VALVE L4
13	201 C.I. (3.3L) E201	2 VALVE L4
14	202 C.I. (3.3L) D5202	2 VALVE L6
15	208 C.I. (3.4L) E208 LPG, E208	2 VALVE L4
16	209 C.I. (3.4L) 24B	2 VALVE L6
17	209 C.I. (3.4L) F209, F6209, PF209	2 VALVE L6
18	223 C.I. (3.7L) E223, E223 LPG	2 VALVE L4
19	226 C.I. (3.7L) F226, PF226, F6226	2 VALVE L6
20	226 C.I. (3.7L) F227	2 VALVE L6
21	242 C.I. (4.0L) E242 LPG	2 VALVE L4
22	242 C.I. (4.0L) E242	2 VALVE L4
23	244 C.I. (4.0L) F245	2 VALVE L6
24	260 C.I. (4.3L) H260, H277	2 VALVE L4
25	260 C.I. (4.3L) HD260 DIESEL, HD277	2 VALVE L4
26	271 C.I. (5.4L) M271, M290, M330	2 VALVE L6
27	MISCELLANEOUS	

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1 62 C.I. (1.0L) N62				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Both		PC1000-1	1.000x.187x0.750 HI-CHROME	
Guides Both	N62I200	C1678	.316x.564x1.658	
2 62 C.I. (1.0L) N4062				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Both		PC1000-1	1.000x.187x0.750 HI-CHROME	
3 Y69, Y91, Y112, Y4069, Y4091, Y4112, LY69, LY91, PY69, PY91, PY112				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Int. Exh.		PC1312-1	1.312x.187x1.063 HI-CHROME	
		M21312-1	“ “ “ TUNGSTEN CARBIDE	
		PC1125-1	1.125x.218x0.875 HI-CHROME	
		M21125-1	“ “ “ TUNGSTEN CARBIDE	
Guides Both	Y400I209	C1619	.316x.564x2.281	
Locks Both	2120I235	059-614-200	Single-groove 8mm	
4 OHV, GAS, DIESEL, “TM13, TMD13” “TM20, TMD20” “TM27, TMD27, TMDT27”				2 VALVE L2/4
PART	OE#	PART NO.	NOTES	
Valves Int. Exh.	TM27I00504	P5020	1.65x11/32x5.37	
	TM27I00505	P5010	1.35x11/32x5.37	
Guides Both	TM27I00316	C1962	.344x.657x2.375	
Seals Both		55212	.341x.700 “Nylon”	
Locks Both		059-117-060	Single-groove 11/32	
5 120 C.I. (2.0L) Z120				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Both		PC1125-1	1.125x.218x0.875 HI-CHROME	
		M21125-1	“ “ “ TUNGSTEN	
Guides Both	Z129I-204	C1717	.317x.564x1.813	
Seals Both		D1710	.311x.531 “Teflon”	
Locks Both	Y400I205	059-147-560	PIN=.126x.501”Long	
	Z120I235	059-614-200	Single-groove 8mm	
6 LF124, LF140, LF162, F124, F140, F4124, F4140, F4162, PF124, PF140, PF162, F162				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Int. Exh.		PC1625-1	1.625x.218x1.375 HI-CHROME	
		M21625-1	“ “ “ TUNGSTEN CARBIDE	
		PC1375-3	1.375x.187x1.063 HI-CHROME	
		M21375-3	“ “ “ TUNGSTEN CARBIDE	
		PC1437-3	1.437x.218x1.187 HI-CHROME	
		M21437-3	“ “ “ TUNGSTEN CARBIDE	
		PC1437-3N	1.437x.218x1.187 HI-NICKEL	
Locks Exh.	Y400I205	059-147-560	PIN=.126x.501”Long	

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7 129 C.I. (2.1L) Z129, Z134, Z145					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.		PV1102	1.280x8mmx3.98		
Seats	Int.		PC1375-4	1.375x.187x1.125 HI-CHROME		
			M21375-4	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1250-1	1.250x.218x1.000 HI-CHROME		
			M21250-1	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	Z129I-204	C1717	.317x.564x1.813		
Seals	Both		D1710	.311x.531 “Teflon”		
Locks	Int.	Y400I205	059-147-560	PIN=.126x.501”Long		
	Exh.	Z120I235	059-614-200	Single-groove 8mm		
8 135 C.I. (2.2L) F135					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.		P2671	1.51x11/32x5.15		
Seats	Int.		PC1625- 1	1.625x.218x1.375 HI-CHROME		
			M21625-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1375-3	1.375x.187x1.063 HI-CHROME		
			M21375-3	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	F400I-251	C1962	.344x.657x2.375		
Locks	Both	CVT3234	059-117-060	Single-groove 11/32		
9 163 C.I. (2.7L) F163					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.		P2671	1.51x11/32x5.15		
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME		
			M21625-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1348E-1N	1.348x.200x1.087 HI-NICKEL		
Guides	Both	F400I-251	C1962	.344x.657x2.375		
Locks	Both	CVT3234	059-117-060	Single-groove 11/32		
10 176 C.I. (2.9L) G176 LPG					2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.	1019742M1	PV1508	1.32x11/32x4.33		
	Exh.	1019743M1	PV1507X	1.20x11/32x4.35		
Seats	Int.		PC1437-3	1.437x.218x1.187 HI-CHROME		
			M21437-3	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1348E-1N	1.348x.200x1.087 HI-NICKEL		
Guides	Both	G176I200	C1833	.343x.657x1.813		
Locks	Both	CVT3234	059-117-060	Single-groove 11/32		
11 186 C.I. (3.0L) F6186, F186					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME		
			M21625-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1437-3	1.437x.218x1.187 HI-CHROME		
			M21437-3	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	F600I-235	C1515	.342x.657x2.563		

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12 193 C.I. (3.2L) G4193, G193				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1812-5	1.812x.250x1.500 HI-CHROME	
	Exh.	M21812-5 PC1437-3N	" " " TUNGSTEN CARBIDE 1.437x.218x1.187 HI-CHROME	
Guides	Both	C1970	.343x.657x2.791	
Locks	Both	CVT3234	059-117-060 Single-groove 11/32	
13 201 C.I. (3.3L) E201				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1562-1	1.562x.218x1.312 HI-CHROME	
	Exh.	M21562-1 PC1437-3 M21437-3	" " " TUNGSTEN CARBIDE 1.437x.218x1.187 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides	Both	1005916M1	C1673 .343x.657x2.688	
14 202 C.I. (3.3L) DS202				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1625-1	1.625x.218x1.375 HI-CHROME	
	Exh.	M21625-1 PC1375-3 M21375-3	" " " TUNGSTEN CARBIDE 1.375x.187x1.063 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides	Both	1005916M1	C1673 .343x.657x2.688	
15 208 C.I. (3.4L) E208 LPG, E208				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1562-1	1.562x.218x1.312 HI-CHROME	
	Exh.	M21562-1 PC1437-3N	" " " TUNGSTEN CARBIDE 1.437x.218x1.187 HI-NICKEL	
Guides	Both	1005916M1	C1673 .343x.657x2.688	
16 209 C.I. (3.4L) 24B				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Guides	Both	F600I-235	C1515 .342x.657x2.563	
Locks	Both	Y400I205	059-147-560 PIN=.126x.501"Long	
17 209 C.I. (3.4L) F209, F6209, PF209				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1625-1	1.625x.218x1.375 HI-CHROME	
	Exh.	M21625-1 PC1375-3 M21375-3 PC1437-3 PC1437-3N	" " " TUNGSTEN CARBIDE 1.375x.187x1.063 HI-CHROME " " " TUNGSTEN CARBIDE 1.437x.218x1.187 HI-CHROME " " " HI-NICKEL	
Guides	Both	F600I-235	C1515 .342x.657x2.563	
Locks	Exh.	CVT3234 Y400I205	059-117-060 059-147-560 Single-groove 11/32 PIN=.126x.501"Long	

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18 223 C.I. (3.7L) E223, E223 LPG 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1687-1	1.687x.250x1.406 HI-CHROME
	Exh.		M21687-1	“ “ “ TUNGSTEN CARBIDE
			PC1437-3	1.437x.218x1.187 HI-CHROME
			M21437-3	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1005916M1	C1673	.343x.657x2.688
19 226 C.I. (3.7L) F226, PF226, F6226 2 VALVE L6				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
	Exh.		M21625-1	“ “ “ TUNGSTEN CARBIDE
			PC1437-3	1.437x.218x1.187 HI-CHROME
			M21437-3	“ “ “ TUNGSTEN CARBIDE
			PC1437-3N	“ “ “ HI-NICKEL
Guides	Both	F600I-235	C1515	.342x.657x2.563
Locks	Exh.	CVT3234	059-117-060	Single-groove 11/32
Springs	Both		050-672	1.390dx1.02id* 83Lb.@1.68
20 226 C.I. (3.7L) F227 2 VALVE L6				
PART		OE#	PART NO.	NOTES
Valves	Int.		P2671	1.51x11/32x5.15
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
	Exh.		M21625-1	“ “ “ TUNGSTEN CARBIDE
			PC1348E-1N	1.348x.200x1.087 HI-CHROME
Locks	Both	CVT3234	059-117-060	Single-groove 11/32
21 242 C.I. (4.0L) E242 LPG 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1687-1	1.687x.250x1.406 HI-CHROME
	Exh.		M21687-1	“ “ “ TUNGSTEN CARBIDE
			PC1437-3N	1.437x.218x1.187 HI-NICKEL
Guides	Both	1005916M1	C1673	.343x.657x2.688
22 242 C.I. (4.0L) E242 2 VALVE L4				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1687-1	1.687x.250x1.406 HI-CHROME
	Exh.		M21687-1	“ “ “ TUNGSTEN CARBIDE
			PC1437-3	1.437x.218x1.187 HI-CHROME
			M21437-3	“ “ “ TUNGSTEN CARBIDE
23 244 C.I. (4.0L) F245 2 VALVE L6				
PART		OE#	PART NO.	NOTES
Valves	Int.		P2671	1.51x11/32x5.15
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
	Exh.		M21625-1	“ “ “ TUNGSTEN CARBIDE
			PC1348E-1N	1.348x.200x1.087 HI-NICKEL
Guides	Both	F400I-251	C1962	.344x.657x2.375
Locks	Both	CVT3234	059-117-060	Single-groove 11/32

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24 260 C.I. (4.3L) H260, H277				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1812-5	1.812x.250x1.500 HI-CHROME	
		M21812-5	" " " TUNGSTEN CARBIDE	
	Exh.	PC1625-3	1.625x.250x1.312 HI-CHROME	
		M21625-3	" " " TUNGSTEN CARBIDE	
Guides	Both	H26I200	C1701	
			.436x.752x2.875	
Locks	Both	E6041202	059-54GC126	
			Single-groove 7/16	
25 260 C.I. (4.3L) HD260 DIESEL, HD277				2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1687-3	1.687x.250x1.437 HI-CHROME	
		M21687-3	" " " TUNGSTEN CARBIDE	
	Exh.	PC1562-6N	1.562x.218x1.250 HI-NICKEL	
Guides	Int.	H26I200	C1701	
			.436x.752x2.875	
26 271 C.I. (5.4L) M271, M290, M330				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC2000-3	2.000x.296x1.625 HI-CHROME	
		M22000-3	" " " TUNGSTEN CARBIDE	
	Exh.	PC1687-7	1.687x.250x1.375 HI-CHROME	
		M21687-7	" " " TUNGSTEN CARBIDE	
27 MISCELLANEOUS				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Guides	Int.	B120	.500x.690x3.440 BRONZE	
	Exh.	C119	.562x.753x3.850	
	Wastegate	SS2031	.560x.772x3.850 STAINLESS-STEEL (POPPET)	



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1	140 C.I. (2.3L) ONAN DIESEL 4A2.3	2 VALVE L4
2	239 C.I. (3.9L) 4B & 4BT - 6B & 6BT TURBO DIESEL	2 VALVE L4/6
3	Y69, Y91, Y112, Y4069, Y4091, Y4112, LY69, LY91, PY69, PY91, PY122	2 VALVE L4
4	OHV, GAS, DIESEL “TM13, TMD13” “TM20, TMD20” “TM27, TMD27, TMDT27”	2 VALVE 2/4
5	V352, V6-140, V6-155, V378, V8-185, V470, V504, V8-210, V555, VT225, VT555, V8-225	2 VALVE V6/8
6	359 C.I. (5.9L) ISB TURBO DIESEL	4 VALVE L6
7	359 C.I. (5.9L) QSB TURBO DIESEL	4 VALVE L6
8	359 C.I. (5.9L) TURBO DIESEL	4 VALVE L6
9	408 C.I. (6.7L) ISB TURBO DIESEL	4 VALVE L6
10	438 C.I. (7.2L) HB-4, HB-6	2 VALVE L6
11	464 C.I. (7.6L) CS464	2 VALVE L6
12	505 C.I. (8.3L) 6C SERIES TURBO DIESEL	2 VALVE L6
13	505 C.I. (8.3L) ISC SERIES TURBO DIESEL	2 VALVE L6
14	540 C.I. (8.9L) ISL SERIES TURBO DIESEL	4 VALVE L6
15	588 C.I. (9.6L) V588, VT588, V6-200 - V785, VT785, V8-265	2 VALVE V6/8
16	600 C.I. (9.8L) K SERIES	2 VALVE V6
17	611 C.I. (10.0L) L-10, LT-10, LTA-10	4 VALVE L6
18	659 C.I. (10.8L) ISM	4 VALVE L6
19	671 C.I. (11.0L) M11	4 VALVE L6
20	672 C.I. (11.0L) NH180, NH195, NVH450, V1486, VT1486, VT600 743 C.I. (12.2L) N743, NH743 - NH, NR, NT SERIES	4 VALVE L6
21	855 C.I. (14.0L) N-14	2 VALVE L6
22	855 C.I. (14.0L) NH/NT SERIES	2 VALVE L6
23	855 C.I. (14.0L) G/GTA 855, NATURAL GAS	L6
24	903 C.I. (14.8L) V903, VT903, V903M, VT903M	2 VALVE V8
25	915 C.I. (15.0L) ISX, QSX, SIGNATURE 600, DOHC TURBO DIESEL	4 VALVE L6
26	1710 C.I. (28.0L) VT12/1710 SERIES	2 VALVE V12

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1 140 C.I. (2.3L) ONAN DIESEL 4A2.3				2 VALVE	L4
PART		OE#	PART NO.	NOTES	
Guides	Int.		C8345	.315x.514x2.256	
2 239 C.I. (3.9L) 4B & 4BT - 359 C.I. (5.9L) 6B & 6BT TURBO DIESEL				2 VALVE	L4/6
PART		OE#	PART NO.	NOTES	
Valves	Int.	3901117	PV4385	1.77x8mmx5.08	
	Exh.	3901607	PV4384	1.65x8mmx5.08	
Seats	Int.	3906854	PC1875-8	1.875x.218x1.500/1.625 HI-CHROME	
			PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME	
	Exh.	3904105	PC1750-7	1.750x.218x1.375 HI-CHROME	
			PC1722E-1	1.722x.265x1.357/1.574 HI-CHROME	
		PC1750-8	1.750x.250x1.375 HI-CHROME (5.9L only)		
Guides	Int.	3904408	C8177	.316x.552x2.397	
	Exh.	3904409	C8178	.316x.553x2.052	
			C6024	.321x.564x2.500	
	Both	3906206	C8277	.316x.439x2.500	
Seals	Both	3901097	32473	.313x.500 "Viton"	
		3957912	312553	.312x.553 "Viton"	
Locks	Both	3900250	059-889-500	Top-bead 8mm	
Springs	Both	3900276	050-1348	1.32odx0.94id* 59Lb.@2.00	
		3926700	050-1379	1.32odx0.94id* 78Lb.@2.00	
		3925667	050-1459	1.34odx0.96id* 38Lb.@2.01	
3 275 C.I. (4.5L) QSB TURBO DIESEL				4 VALVE	L4
PART		OE#	PART NO.	NOTES	
Valves	Int.	3802355	PV4385	1.77x8mmx5.08	
	Exh.	3802356	PV4384	1.65x8mmx5.08	
Seats	Int.	3925177	PC1853E-1	1.853x.273x1.498/1.700 HI-CHROME	
	Exh.	3925176	PC1722E-1	1.722x.265x1.357/1.574 HI-CHROME	
Guides	Int.	3904408	C8177	.316x.552x2.397	
	Exh.	3904409	C8178	.316x.553x2.052	
Seals	Both	3901097	32473	.313x.500 "Viton"	
Locks	Both	3900250	059-889-500	Top-bead 8mm	
4 309 C.I. C140, C105, C90 - 401 C.I. J SERIES - C160, C175, C180, C190B, CT464				2 VALVE	L4/6
PART		OE#	PART NO.	NOTES	
Guides	Both	2105293	C1823	.343x.563x2.820	
5 V352, V6-140, V6-155, V378, V8-185, V470, V504, V8-210, V555, VT225, VT555, V8-225				2 VALVE	V6/8
PART		OE#	PART NO.	NOTES	
Seats	Int.	195000	PC1691E-1	1.691x.181x1.437 HI-CHROME	
	Exh.	154390	PC1691E-2	1.691x.200x1.437 HI-CHROME	
Guides	Both	154946	C6169	.381x.626x2.500	
Locks	Both		059-144-526	Single-groove 3/8	
			059-885-500	Top-bead 3/8	

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6 359 C.I. (5.9L) ISB TURBO DIESEL					4 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3802924	P5096	1.29x7mmx4.90x30dg.		
	Exh.	3802967	P5095	1.29x7mmx4.89x45dg.		
		3979602	P5136	1.29x7mmx4.89		
Seats	Int.		PC1375E-1	1.375x.227x1.100/1.140 HI-CHROME		
	Exh.		PC1375E-2N	1.375x.227x1.100/1.140 HI-NICKEL		
Guides	Int.		C3021	.277x.501x1.937		
			C3033	.278x.501x1.937		
			C3080	.277x.439x1.937		
	Exh.		C3022	.277x.501x2.020		
			C3034	.278x.501x2.020		
			C3081	.277x.439x2.020		
Seals	Int.	3942989	277517	.277x.517 "Viton"		
	Exh.	3945438	275515	.275x.515 "Viton"		
	Both	3955393	276516	.276x.516 "Viton"		
Locks	Both	3940123	059-109-700	Top-bead 7mm		
Springs	Both	3943161	050-1484	1.080dx0.74id* 76Lb.@1.39		
7 359 C.I. (5.9L) QSB TURBO DIESEL					4 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3802924	P5096	1.29x7mmx4.90x30dg.		
	Exh.	3802967	P5095	1.29x7mmx4.89x45dg.		
		3979602	P5136	1.29x7mmx4.89		
Seats	Int.		PC1375E-1	1.375x.227x1.100/1.140 HI-CHROME		
	Exh.		PC1375E-2N	1.375x.227x1.100/1.140 HI-NICKEL		
Guides	Int.		C3033	.278x.501x1.937		
			C3080	.277x.439x1.937		
			C3034	.278x.501x2.020		
	Exh.		C3081	.277x.439x2.020		
Seals	Both	3955393	276516	.276x.516 "Viton"		
Locks	Both	3940123	059-109-700	Top-bead 7mm		
Springs	Both	4936380	050-1484	1.080dx0.74id* 76Lb.@1.39		
8 359 C.I. (5.9L) TURBO DIESEL					4 VALVE	L6
PART - Flexplate						
PART NO. - FPHD359D						
NOTES - 15.310dx152t---W/O-WEIGHT						
9 408 C.I. (6.7L) ISB TURBO DIESEL					4 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3802924	P5096	1.29x7mmx4.90x30dg		
	Exh.	3979602	P5136	1.29x7mmx4.89		
Seats	Int.		PC1375E-1	1.375x.227x1.100/1.140 HI-CHROME		
	Exh.		PC1375E-2N	1.375x.227x1.100/1.140 HI-NICKEL		
Guides	Int.		C3033	.278x.501x1.937		
			C3080	.277x.439x1.937		
			C3034	.278x.501x2.020		
	Exh.		C3081	.277x.439x2.020		

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9 408 C.I. (6.7L) ISB TURBO DIESEL (CONT.)				4 VALVE	L6
PART		OE#	PART NO.	NOTES	
Seals	Both	3955393	276516	.276x.516 "Viton"	
Locks	Both	3940123	059-109-700	Top-bead 7mm	
Springs	Both	3943161	050-1484	1.080dx0.74id* 76Lb.@1.39	
10 438 C.I. (7.2L) HB-4, HB-6				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Seals	Both		32473	.313x.500 "Viton"	
11 464 C.I. (7.6L) CS464				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Guides	Both	2105293	C1823	.343x.563x2.820	
Seals	Both		374630	.374x.630 "Viton"	
12 505 C.I. (8.3L) 6C SERIES TURBO DIESEL				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	3902253	PV4388	2.04x3/8x5.94	
	Exh.	3902254	PV4386	1.81x3/8x5.94	
Seats	Int.	3908830	PC2129E-2	2.129x.306x1.752/1.868 HI-CHROME	
	Exh.	3904716	PC1857E-1	1.857x.229x1.575/1.660 HI-CHROME	
Guides	Both	3925863	C8122	.376x.629x2.835	
		3945249	C8715	.316x.551x1.949	
Seals	Both	3915707	374630	.374x.630 "Viton"	
Locks	Both	3901177	059-211-073	Top-bead 3/8	
Springs	Both	3906412	050-1421	1.380dx1.00id*109Lb.@2.00	
13 505 C.I. (8.3L) ISC/QSC SERIES TURBO DIESEL				4 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.		P5148	1.49x8mmx5.42--"30deg"	
	Exh.		P5149	1.49x8mmx5.42--"45deg"	
Seats	Int.	3940152	PC1554E-1	1.554x.236x1.280/1.342 HI-CHROME	
	Exh.	3940153	PC1554E-2	1.554x.190x1.348/1.301 HI-CHROME	
Guides	Both	3942645	C8715	.316x.551x1.949	
Seals	Both	3943888	314551	.314x.551 "Viton"	
Locks	Both	3900250	059-889-500	Top-bead 8mm	
Springs	Both	3944711	050-1526	1.320dx0.92id* 79Lb.@1.85	
14 540 C.I. (8.9L) ISL/QSL SERIES TURBO DIESEL				4 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.		P5148	1.49x8mmx5.42 - 30deg	
	Exh.		P5149	1.49x8mmx5.42 - 45deg	
Seats	Int.	3940152	PC1554E-1	1.554x.236x1.280/1.342 HI-CHROME	
	Exh.	3940153	PC1554E-2	1.554x.190x1.348/1.301 HI-CHROME	
Guides	Both	3942645	C8715	.316x.551x1.949	
Seals	Both	3943888	314551	.314x.551 "Viton"	
Locks	Both	3900250	059-889-500	Top-bead 8mm	
Springs	Both		050-1526	1.320dx0.92id* 79Lb.@1.85	

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15 588 C.I. (9.6L) V588, VT588, V6-200 - V785, VT785, V8-265					2 VALVE	V6/8
PART		OE#	PART NO.	NOTES		
Seats	Both	3017759	PC2003E-1	2.003x.281x1.687 HI-CHROME		
		127930	PC2003E-1N	“ “ “ HI-NICKEL		
		3032285	PC2006E-1	2.006x.281x1.687 HI-CHROME		
		127930	M22006E-1	“ “ “ TUNGSTEN CARBIDE		
			PC2006E-1N	“ “ “ HI-NICKEL		
Guides	Both	138937	C1941	.452x.752x3.010		
Locks	Both	127554	059-127-544	2 Round-bead 7/16		
16 600 C.I. (9.8L) K SERIES, 1159 C.I. (19.0L)					2 VALVE	V6
PART		OE#	PART NO.	NOTES		
Seats	Int.	3026296	PC2381E-1	2.381x.322x1.930 HI-CHROME		
	Exh.	205093	PC2381E-2	2.381x.322x2.030 HI-CHROME		
Guides	Both	3018818	C7373	.497x.846x3.805		
		3202210	C7610	.497x.846x3.585		
17 611 C.I. (10.0L) L-10, LT-10, LTA-10					4 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3033234	PV2510	1.67x3/8x6.94		
		3803310	P5063	1.67x3/8x7.69		
	Exh.	3033235	PV2511	1.67x3/8x6.94		
		3883287	PS5046	1.67x3/8x6.94		
		3803311	PS5062	1.67x3/8x7.69		
Seats	Both	3028070	PC1812E-4	1.812x.197x1.520 HI-CHROME		
		3820700	PC1812E-4T	1.812x.224x1.520 HI-CHROME		
Guides	Both	3328786	C3008	.381x.650x3.374		
		3033314	C7625	.381x.650x2.934		
		3703512	C8210	.381x.650x2.633		
Seals	Both	3073509	378564	.378x.564 “Viton”		
			375565	.375x.565 “Viton”		
Locks	Both	3275354	059-885-500	Top-bead 3/8		
Springs	Both	3033233	051-298	0.98odx0.71id* 60Lb.@2.30 INNER		
		3033232	051-296	1.44odx1.02id*132Lb.@2.58 OUTER		
			050-1414	1.19odx0.78id*190lB.@3.33		
18 659 C.I. (10.8L) ISM					4 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3417778	P5063	1.67x3/8x7.69		
	Exh.	3417779	PS5062	1.67x3/8x7.69		
Seats	Both	3090703	PC1812E-9	1.812x.186x1.430 HI-CHROME		
Guides	Both	3328786	C3008	.381x.650x3.374		
Seals	Both	4003966	375565	.375x.565 “Viton”		
Locks	Both	3275354	059-885-500	Top-bead 3/8		
Springs	Both	3895860	050-1414	1.19odx0.78id*190lB.@3.33		

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19 671 C.I. (11.0L) M11					4 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3033234	PV2510	1.67x3/8x6.94		
		3803310	P5063	1.67x3/8x7.69		
	Exh.	3033235	PV2511	1.67x3/8x6.94		
		3883287	PS5046	1.67x3/8x6.94		
		3803311	PS5062	1.67x3/8x7.69		
Seats	Both	3028070	PC1812E-4	1.812x.197x1.520 HI-CHROME		
		3820700	PC1812E-4T	1.812x.224x1.520 HI-CHROME		
Guides	Both	3328786	C3008	.381x.650x3.374		
		3033314	C7625	.381x.650x2.934		
		3703512	C8210	.381x.650x2.633		
Seals	Both	3073509	378564	.378x.564 "Viton"		
		4003966	375565	.375x.565 "Viton"		
Locks	Both	3275354	059-885-500	Top-bead 3/8		
Springs	Both		050-1414	1.190dx0.78id*190lb.@3.33		
20 672 C.I. (11.0L) NH180, NH195, NVH450, V1486, VT1486, VT600					4 VALVE	L6
743 C.I. (12.2L) N743, NH743 - NH, NR, NT SERIES						
PART		OE#	PART NO.	NOTES		
Seats	Both	69965	PC1847E-1	1.847x.281x1.562 HI-CHROME		
Guides	Both	66890	C1969	.405x.752x3.438		
Locks	Both	S-2037	059-080-526	2 Round-bead 3/8		
21 855 C.I. (14.0L) N-14					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	3084045	P5064	1.87x3/8x7.75		
		3068519	P5060	1.87x3/8x7.72		
	Exh.	3070473	PS5059	1.87x3/8x7.72		
		3069672	PS5061	1.87x3/8x7.72		
		3083991	PS5047	1.87x3/8x7.72		
Seats	Int.	3084020	PC1953E-3	1.953x.195x1.640/1.828 HI-CHROME		
		3054590	PC2006E-5	2.006x.199x1.690 HI-CHROME		
Guides	Both	3064312	C8134	.382x.752x3.400		
			C8134X	.382x.752x3.400		
Seals	Both	3064281	378620 378620-INSERT	.378x.620 "Viton" For 378620		
Locks	Both		059-885-610	Top-bead 3/8		
Springs	Both	3070460	050-1302	1.380dx0.96id*120lb.@2.81		
22 855 C.I. (14.0L) NH/NT SERIES					2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Both	3040830	P2472	1.87x.450x7.06		
		145701	PS2472	1.87x.450x7.06		
Seats	Both	3017759	PC2003E-1	2.003x.281x1.687 HI-CHROME		
		127930	PC2003E-1N	" " " HI-NICKEL		
		3032285	PC2006E-1	2.006x.281x1.687 HI-CHROME		
		127930	PC2006E-1N	" " " HI-NICKEL		
		3054590	PC2006E-5	2.006x.199x1.690 HI-CHROME		
Guides	Both	3050369	C7994G	.453x.752x3.400 W/O SHARP EDGE		
			C942	.453x.752x3.400 WITH SHARP EDGE		
		3006456	C7990	.452x.752x3.400		

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22 855 C.I. (14.0L) NH/NT SERIES (CONT.)				2 VALVE	L6	
PART		OE#	PART NO.	NOTES		
Locks	Both	127554	059-127-544	2 Round-bead 7/16		
Springs	Both	211999 3035996	051-014 051-332	1.24odx .90id* 70Lb.@2.25 1.49odx1.07id* 89Lb.@2.24		
23 855 C.I. (14.0L) G/GTA 855, NATURAL GAS						L6
PART		OE#	PART NO.	NOTES		
Guides	Exh.		C1941	.452x.752x3.010		
Locks	Both		059-127-544	2 Round-bead 7/16		
24 903 C.I. (14.8L) V903, VT903, V903M, VT903M						2 VALVE V8
PART		OE#	PART NO.	NOTES		
Seats	Int. Both	212217 3017759 127930 3032285 127930	PC2000-14 PC2003E-1 PC2003E-3N PC2006E-1 PC2006E-1N	2.000x.312x1.625 HI-CHROME 2.003x.281x1.687 HI-CHROME 2.003x.234x1.687 HI-NICKEL 2.006x.281x1.687 HI-CHROME “ “ “ HI-NICKEL		
Guides	Both	138937	C1941	.452x.752x3.010		
Locks	Both	127554	059-127-544	2 Round-bead 7/16		
25 915 C.I. (15.0L) ISX, QSX, SIGNATURE 600, DOHC TURBO DIESEL						4 VALVE L6
PART		OE#	PART NO.	NOTES		
Valves	Int. Exh.	3680760 3680759	P5142 PS5143	1.87x3/8x8.50-30deg 1.79x3/8x8.81-45deg		
Seats	Int. Exh.	3104445 3679659	PC1953E-4 PC1874E-2	1.953x.195x1.640/1.953 HI-CHROME 1.874x.2375x1.555/1.725 HI-CHROME		
Guides	Both	4026657	C3061	.381x.650x4.105		
Seals	Both	4003966 4026660	375565 375564	.375x.565 “Viton” - EARLY .375x.564 “Viton” - LATE		
Locks	Both	3680883	059-862-100	Center-bead 3/8		
Springs	Both	3679551	050-1479	1.39odx0.95id* 94Lb.@3.46		
26 1710 C.I. (28.0L) VT12/1710 SERIES						2 VALVE V12
PART		OE#	PART NO.	NOTES		
Valves	Both	145701	PS2472	1.87x.450x7.06		
Seats	Both	3017759 127930 3032285 127930	PC2003E-1 PC2003E-1N PC2006E-1 PC2006E-1N	2.003x.281x1.687 HI-CHROME “ “ “ HI-NICKEL 2.006x.281x1.687 HI-CHROME “ “ “ HI-NICKEL		
Guides	Both	3006456	C7994G C942 3006456 C7990	.453x.752x3.400 W/O SHARP EDGE .453x.752x3.400 WITH SHARP EDGE .452x.752x3.400		
Locks	Both	127554	059-127-544	2 Round-bead 7/16		
Springs	Both	211999	051-014	1.24odx .90id* 70Lb.@2.25		

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DETROIT DIESEL

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1	106 C.I. (1.7L) 53 SERIES - 2/3/4/6/8 CYL.	2 OR 4 VALVE	L2
PART	OE#	PART NO.	NOTES
Valves Exh.	5195948	P2373	1.40x5/16x6.42 2V
Seats Exh.	5116196	PC1441E-1	1.441x.215x1.203 HI-CHROME 2V
Guides Exh.	5119992ND	C1832	.313x.500x2.500 2V
		C1946	.313x.500x2.380 2V
		B1946	" " " BRONZE 2V
		C6254	.250x.500x2.360 4V
		B6254	" " " BRONZE 4V
Seals Exh.	8921209	T9010	.311x.415 "Teflon" 2V
		312418	.312x.418 "Viton" 2V
Locks Exh.	5111337	059-614-200	Single-groove 8mm 2V
	5116341	059-803-000	Single-groove 1/4 4V
2	142 C.I. (2.3L) 71 SERIES - 2/3/4/6/8/12/16 CYL.	2 VALVE	L2
PART	OE#	PART NO.	NOTES
Seats Both	5198230	PC1628E-2+10	1.638x.250x1.343/1.380 HI-CHROME
	5198232	PC1628E-2+20	1.648x.250x1.343/1.380 HI-CHROME
	5198233	PC1628E-2+30	1.658x.250x1.343/1.380 HI-CHROME
	5131096	PC1628E-2	1.628x.250x1.343/1.380 HI-CHROME
Guides Exh.	5120930	C1680	.345x.564x3.250
Locks Exh.	23507238	059-117-060	Single-groove 11/32

DETROIT DIESEL

3 212 C.I. (3.5L) 53 SERIES - 2/3/4/6/8 CYL. 4 VALVE L4

PART		OE#	PART NO.	NOTES
Valves	Exh.	5199323	P3107	1.09x1/4x5.54
Seats	Both	5196752	PC1161E-1+10	1.171x.222x0.910/0.975 HI-CHROME
	Exh.	5116361	PC1161E-1	1.161x.222x0.910/0.975 HI-CHROME
Guides	Exh.	5131961	C6254	.250x.500x2.360
			B6254	.250x.500x2.360 BRONZE
Seals	Exh.	8921741	D1208	.248x.383 "Teflon"
			250385	.250x.385 "Viton"
Locks	Exh.	5116341	059-803-000	Single-groove 1/4
Springs	Exh.	5144019	051-190-7	1.22odx0.87id* 80Lb.@1.61

4 220 C.I. (3.6L) BEDFORD TURBO DIESEL 2 VALVE L4

PART		OE#	PART NO.	NOTES
Guides	Int.		C7563	.343x.627x2.835
	Exh.		C7564	.343x.626x2.563

5 284 C.I. (4.7L) 71 SERIES - 2/3/4/6/8/12/16 CYL. 4 VALVE L4

PART		OE#	PART NO.	NOTES
Valves	Exh.	5195167	P3054	1.20x5/16x5.52
Seats	Exh.	5101101	PC1262E-1	1.262x.250x0.975/1.045 HI-CHROME
		5197167	PC1262E-1+10	1.272x.250x0.975/1.045 HI-CHROME
		5197168	PC1262E-1+20	1.282x.250x0.975/1.045 HI-CHROME
		5197170	PC1262E-1+30	1.292x.250x0.975/1.045 HI-CHROME
Guides	Exh.	5119992ND	C1832	.313x.500x2.500
		5129919	C1946	.313x.500x2.380
			B1946	" " " BRONZE
Seats	Exh.	8921209	T9010	.311x.415 "Teflon"
		8921741	312418	.312x.418 "Viton"
Locks	Exh.	5111337	059-614-200	Single-groove 8mm
Springs	Exh.	5147347	050-769	0.94odx0.65id* 34Lb.@1.80

6 501 C.I. (8.2L) N.A. & TURBO 2 VALVE V8

PART		OE#	PART NO.	NOTES
Valves	Int.	5149743	P3133X	1.81x11/32x5.93
	Exh.		P3132	1.66x11/32x5.93
Seats	Int.		PC1937-12	1.937x.203x1.578/1.720 HI-CHROME
	Exh.		PC1750-12	1.750x.203x1.438/1.610 HI-CHROME
Guides	Both		C7552	.344x.564x2.875
Locks	Both	23507238	059-117-060	Single-groove 11/32

7 519 C.I. (8.5L) 50 SERIES DIESEL - SOHC 2 VALVE L4

PART		OE#	PART NO.	NOTES
Valves	Int.	23529629	P5160	1.73x11/32x8.498
	Exh.	23529596	P5161	1.55x11/32x8.497
Seats	Int.	8929127	PC1819E-1	1.819x.283x1.571/1.616 HI-CHROME
	Exh.	8929126	PC1628E-3	1.628x.249x1.357/1.414 HI-CHROME
Guides	Both	23518571	C8591	.345x.564x4.000
Seals	Both	23523930	342564	.342x.564 "Viton"
Locks	Both	8929573	059-892-9573	Top-bead 11/32
Springs	Both	8929415	050-1418	1.15odx0.75id*103Lb.@2.60

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8 677 C.I. (11.1L) 60 SERIES DIESEL - SOHC				2 VALVE L6
PART		OE#	PART NO.	NOTES
Valves	Int.	8929589	PV2514	1.73x11/32x8.50
	Exh.	8929590	PV3947	1.56x11/32x8.50
Seats	Int.	8929127	PC1819E-1	1.819x.283x1.571/1.616 HI-CHROME
	Exh.	8929126	PC1628E-3	1.628x.249x1.357/1.414 HI-CHROME
Guides	Both	23518571	C8591	.345x.564x4.000
Seals	Both	8929072	342564	.342x.564 "Viton"
Locks	Both	8929573	059-892-9573	Top-bead 11/32
Springs	Both	23535296	050-1418	1.15odx0.75id*103Lb.@2.60
9 775 C.I. (12.7L) 858 C.I. (14.0L) 60 SERIES DIESEL - SOHC				2 VALVE L6
PART		OE#	PART NO.	NOTES
Valves	Int.	8929589	PV2514	1.73x11/32x8.50
		23529629	P5160	1.73x11/32x8.498
	Exh.	8929590	PV3947	1.56x11/32x8.50
		23529596	P5161	1.55x11/32x8.497
Seats	Int.	8929127	PC1819E-1	1.819x.283x1.571/1.616 HI-CHROME
	Exh.	8929126	PC1628E-3	1.628x.249x1.357/1.414 HI-CHROME
Guides	Both	23518571	C8591	.345x.564x4.000
Seals	Both	23523930	342564	.342x.564 "Viton"
Locks	Both	8929573	059-892-9573	Top-bead 11/32
Springs	Both	23535296	050-1418	1.15odx0.75id*103Lb.@2.60
10 1104 C.I. (18.1L) 92 SERIES - 6/8/12/16 CYL.				4 VALVE V12
PART		OE#	PART NO.	NOTES
Valves	Exh.	5149771	PS3006	1.38x5/16x5.54
Seats	Exh.	5148490	PC1442E-1	1.442x.250x1.140/1.200 HI-CHROME
		5101315	PC1442E-1+10	1.452x.250x1.140/1.200 HI-CHROME
		5148493	PC1442E-1+20	1.462x.250x1.140/1.200 HI-CHROME
		5148494	PC1442E-1+30	1.472x.250x1.140/1.200 HI-CHROME
Guides	Exh.	5129919	C1946	.313x.500x2.380
			B1946	" " " BRONZE
Seals	Exh.	8921209	T9010	.311x.415 "Teflon"
			312418	.312x.418 "Viton"
Locks	Exh.	5111337	059-614-200	Single-groove 8mm
Springs	Exh.	5147347	050-769	0.94odx0.65id* 34Lb.@1.80
11 110 SERIES				2 VALVE L6
PART		OE#	PART NO.	NOTES
Locks	Exh.		059-144-526	Single-groove 3/8
12 2384 C.I. (39.1L) 16V149 SERIES				2 VALVE V16
PART		OE#	PART NO.	NOTES
Seats	Both	5139982	PC1899E-1	1.898x.275x1.531/1.600 HI-CHROME
Guides	Exh.	23505104	C8133	.375x.710x3.150



FAIRBANKS-MORSE

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1	118 C.I. (1.9L) ZC-118, 6-7 HP	L1
2	208 C.I. (3.4L) ZC-208, 8-9 HP	L1
3	ZC-346, 12-13 HP - ZC-503, 17-18 HP	L1
4	739 C.I. (12.1L) ZC-739, 25-30 HP	L1

1 118 C.I. (1.9L) ZC-118, 6-7 HP				L1
PART		OE#	PART NO.	NOTES
Guides	Int.		C867	.437x.877x3.813
	Exh.		C866	.437x.877x3.750
2 208 C.I. (3.4L) ZC-208, 8-9 HP				L1
PART		OE#	PART NO.	NOTES
Valves	Int.		PV1582	2.25x7/16x7.09
	Exh.		PV1581	2.25x7/16x7.44
Guides	Int.		C867	.437x.877x3.813
	Exh.		C866	.437x.877x3.750
3 ZC-346, 12-13 HP - ZC-503, 17-18 HP				L1
PART		OE#	PART NO.	NOTES
Valves	Int.		PV1582	2.25x7/16x7.09 LATE STYLE HEAD
Guides	Int.		C867	.437x.877x3.813 LATE STYLE HEAD
			C869	.565x1.18x5.000
	Exh.		C868	.564x1.18x5.831
4 739 C.I. (12.1L) ZC-739, 25-30 HP				L1
PART		OE#	PART NO.	NOTES
Valves	Int.		PV1582	2.25x7/16x7.09
Guides	Int.		C867	.437x.877x3.813
			C869	.565x1.18x5.000

FRANKLIN - 165, 220, AIRBOAT

PART	OE#	PART NO.	NOTES
Valves	Exh.	P5011 P5011M PS8285 PS9812	1.50x7/16x4.247-AIRBOAT 1.50x.403x4.247--AIR-BOAT 1.50x.403x4.498 (165) 1.50x.403x4.415 (220)
Guides	Both	B5632 C5632H+2 B5635 C5635H B5636 C5636H B5637+2 C5637H B5631 C5631H	.374x.563x1.964 BRONZE - O/S AVAILABLE .374x.565x1.964 HARDENED CAST - O/S AVAILABLE .406x.563x2.095 BRONZE - O/S AVAILABLE .406x.563x2.095 HARDENED CAST - O/S AVAILABLE .406x.563x2.185 BRONZE - O/S AVAILABLE .406x.563x2.185 HARDENED CAST - O/S AVAILABLE .406x.565x2.455 BRONZE - O/S AVAILABLE .406x.563x2.455 HARDENED CAST - O/S AVAILABLE .437x.563x2.317 BRONZE - O/S AVAILABLE .437x.563x2.317 HARDENED CAST - O/S AVAILABLE
Locks	Exh.	059-15737	"C" TYPE x.403" x.125" THICK

GEMINI

MISCELLANEOUS			
PART	OE#	PART NO.	NOTES
Valves	Int.	P 316-824	1.75x3/8x5.37 "G/26"
		P 406-2735	2.02x3/8x5.40
		P 406-2905	1.60x3/8x5.40 "G/26"
Guides		C314-816	.373x.689x2.440
		C314-829	.374x.689x3.000

HERCULES

1 228 C.I. (3.7L)				L6
PART	OE#	PART NO.	NOTES	
Guides	Both	C1618	.374x.657x2.375	
2 MISCELLANEOUS				
PART	OE#	PART NO.	NOTES	
Valves	Int.	P3212	1.30x1/4x3.12-PINHOLE	
	Exh.	P2519	1.48x5/16x4.65	



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1	60 C.I. (1.0L) "GAS"	TRACTOR	2 VALVE L4
2	113 C.I. (1.8L)	TRACTOR	2 VALVE L4
3	123 C.I. (2.0L) POWER UNIT & LPG	TRACTOR	2 VALVE L4
4	135 C.I. (2.2L) C135, C153	TRACTOR	2 VALVE L4
5	146 C.I. (2.4L) C146	TRACTOR	2 VALVE L4
6	D150, D170, D190, DV462/B, DV550/B	NAVISTAR	2 VALVE L6
7	152 C.I. (2.5L) 152, V304	NAVISTAR	2 VALVE L4
8	152 C.I. (2.5L) C152	TRACTOR	2 VALVE L4
9	154 C.I. (2.5L) DIESEL	TRACTOR	2 VALVE L4
10	NEUSS DIESEL D155, D179, D206, D239, D246, D268, D310, D358	TRACTOR	2 VALVE L3/4/6
11	157 C.I. (2.6L) C157	TRACTOR	2 VALVE L4
12	164 C.I. (2.7L) C164	TRACTOR	2 VALVE L4
13	D166, D188	TRACTOR	2 VALVE L4
14	169 C.I. (2.8L) C169	TRACTOR	2 VALVE L4
15	175 C.I. (2.9L) C175 W/ 3-9/16" BORE	TRACTOR	2 VALVE L4
16	196 C.I. (3.2L) 196, V392	NAVISTAR	2 VALVE L4/V8
17	200 C.I. (3.3L) C200, C291, C301	TRACTOR	2 VALVE L4/6
18	220 C.I. (3.6L) BD220, BG220	NAVISTAR	2 VALVE L6
19	220 C.I. (3.6L) SD220	NAVISTAR	2 VALVE L6
20	221 C.I. (3.6L) C221	TRACTOR	2 VALVE L6
21	232 C.I. (3.8L) "AMC"	TRACTOR	2 VALVE L6
22	232 C.I. (3.8L) HD232, HD232A, HD232C	NAVISTAR	2 VALVE L6
23	232 C.I. (3.8L) "AMC"	NAVISTAR	2 VALVE L6
24	233 C.I. (3.8L) GRD233A, HD213/A, GRD214/A	NAVISTAR	2 VALVE L6
25	236 C.I. (3.9L) DIESEL	TRACTOR	2 VALVE L6
26	240 C.I. (3.9L) BG240	NAVISTAR	2 VALVE L6
27	240 C.I. (3.9L) BD240, SD240	NAVISTAR	2 VALVE L6
28	241 C.I. (3.9L) G241	NAVISTAR	2 VALVE L6
29	241 C.I. (3.9L) FAB241	NAVISTAR	2 VALVE L6
30	248 C.I. (4.0L) GAS	TRACTOR	2 VALVE L4
31	250 C.I. (4.1L) BLD250 - 259 C.I. (4.3L) FAB259	NAVISTAR	2 VALVE L6
32	258 C.I. (4.2L) AMC	NAVISTAR	2 VALVE L6
33	263 C.I. (4.3L) C263	NAVISTAR	2 VALVE L6

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34	264 C.I. (4.3L) LPG	TRACTOR	2 VALVE	L4
35	264 C.I. (4.3L) GAS	TRACTOR	2 VALVE	L4
36	264 C.I. (4.3L) DIESEL	TRACTOR	2 VALVE	L4
37	264 C.I. (4.3L) BG264	TRACTOR	2 VALVE	L6
38	264 C.I. (4.3L) BD264	NAVISTAR	2 VALVE	L6
39	265 C.I. (4.3L) BG265	NAVISTAR	2 VALVE	L6
40	269 C.I. (4.4L) BLD269, BLD269A, BD269	NAVISTAR	2 VALVE	L6
41	281 C.I. (4.6L) C281	TRACTOR	2 VALVE	L4
42	282 C.I. (4.6L) GAS & LPG	TRACTOR	2 VALVE	L6
43	282 C.I. (4.6L) DIESEL	TRACTOR	2 VALVE	L6
44	282 C.I. (4.6L) BD282	NAVISTAR	2 VALVE	L6
45	301 C.I. (4.9L) D301	NAVISTAR	2 VALVE	L6
46	301 C.I. (4.9L) DIESEL	TRACTOR	2 VALVE	L6
47	304 C.I. (5.0L) - 345 C.I. (5.6L)	TRACTOR	2 VALVE	V8
48	304 C.I. (5.0L) V304A, V345	NAVISTAR	2 VALVE	V8
49	308 C.I. (5.0L) BD308	NAVISTAR	2 VALVE	L6
50	312 C.I. (5.1L) DIESEL	TRACTOR	2 VALVE	L6
51	318 C.I. (5.2L) RED318A, RED318	NAVISTAR	2 VALVE	L6
52	345 C.I. (5.6L) V345A	NAVISTAR	2 VALVE	V8
53	360 C.I. (5.9L) DIESEL	NAVISTAR	2 VALVE	L6
54	360 C.I. (5.9L) TURBO-DIESEL	NAVISTAR/TRACTOR	2 VALVE	L6
55	360 C.I. (5.9L) DIESEL	TRACTOR	2 VALVE	L6
56	361 C.I. (5.9L) TURBO DIESEL, D361	TRACTOR	2 VALVE	L6
57	FBC361, FBB361, RED361/A, RED401/A, FBC401	NAVISTAR	2 VALVE	L6
58	365 C.I. OHV, DIESEL, FI, VT365, POWERSTROKE, FORD TRUCK	NAVISTAR	4 VALVE	V8
59	372 C.I. (6.0L) RD372	NAVISTAR	2 VALVE	L6
60	389 C.I. (6.4L) OHV, TURBO, DIESEL, DIRECT INJ. MAXXFORCE 7	NAVISTAR	4 VALVE	V8
61	392 C.I. (6.4L) V392	TRACTOR	2 VALVE	V8
62	400 C.I. (6.6L) V400 AMC	NAVISTAR	2 VALVE	V8
63	V401, VS401 - VS549+FTVS549, V549+FTV549	NAVISTAR	2 VALVE	V8
64	401 C.I. (6.6L) RED401A, FBC401, RED401 1938-49	NAVISTAR	2 VALVE	L6
65	404 C.I. (6.6L) MV404, MV446	NAVISTAR	2 VALVE	V8
66	406 C.I. (6.6L) RD406, RD450, RD501	NAVISTAR	2 VALVE	L6

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67	407 C.I. (6.7L) TURBO DIESEL, DIESEL	NAVISTAR	2 VALVE	L6
68	407 C.I. (6.7L) TURBO DIESEL, DIESEL	TRACTOR	2 VALVE	L6
69	408 C.I. (6.7L) DT408	NAVISTAR	2 VALVE	L6
70	414 C.I. (6.8L) D414NA, D436, DT436	NAVISTAR	2 VALVE	L6
71	414 C.I. (6.8L), 436 C.I. (7.1L) DIESEL, TURBO DIESEL	TRACTOR	2 VALVE	L6
72	420 C.I. (6.9L) DIESEL	NAVISTAR	2 VALVE	V8
73	444 C.I. (7.3L) DIESEL	NAVISTAR	2 VALVE	V8
74	444 C.I. (7.3L) TURBO DIESEL INDIRECT INJECTION	NAVISTAR	2 VALVE	V8
75	444 C.I. (7.3L) POWER STROKE, TURBO DIESEL DIRECT INJ.	NAVISTAR	2 VALVE	V8
76	450 C.I. (7.3L) RED450, RED450A	NAVISTAR	2 VALVE	L6
77	461 C.I. (7.5L) V461	NAVISTAR	2 VALVE	V8
78	466 C.I. (7.6L) TURBO DIESEL MECH. INJ.	NAVISTAR	2 VALVE	L6
79	466 C.I. (7.6L) DTI466B TURBO DIESEL, D466 DIESEL	NAVISTAR	2 VALVE	L6
80	466 C.I. (7.6L) HEUI DIESEL ELEC. INJ, 530E	NAVISTAR	2 VALVE	L6
81	466 C.I. (7.6L) DIESEL INJ. MAXXFORCE, 570 TURBO	NAVISTAR	4 VALVE	L6
82	466 C.I. (7.6L) DTA466C, DT-DTA466	NAVISTAR	4 VALVE	L6
83	466 C.I. (7.6L) DT466/B, DTI466B DIESEL, TURBO-D	TRACTOR	2 VALVE	L6
84	478 C.I. (7.8L) VS478, V478	NAVISTAR	2 VALVE	V8
85	530 C.I. (8.7L) DIESEL MECHANICAL INJ.	NAVISTAR	2 VALVE	L6
86	530 C.I. (8.7L) DIESEL ELEC. INJ.	TRACTOR	2 VALVE	L6
87	530 C.I. (8.7L) DIESEL	TRACTOR	2 VALVE	L6
88	537 C.I. (8.8L) V537 - 605 C.I. (9.9L) V605	TRACTOR	2 VALVE	V8
89	DV550B (9.0L) DIESEL	TRACTOR	2 VALVE	V8
90	551 C.I. (9.0L) DIESEL	NAVISTAR	2 VALVE	V8
91	691 C.I. (11.3L) DIESEL	TRACTOR	2 VALVE	L6
92	817 C.I. (13.4L) DIESEL	TRACTOR	2 VALVE	L6

I.H.C. TRACTOR - NAVISTAR

1 60 C.I. (1.0L) "GAS"				TRACTOR 2 VALVE L4
PART		OE#	PART NO.	NOTES
Valves	Exh.	357547-R1	P1845	0.90x5/16x3.39
Seats	Int.		PC1187-1	1.187x.187x1.000 HI-CHROME
	Exh.		M21187-1 PC1000-1	" " " TUNGSTEN CARBIDE 1.000x.187x0.750 HI-CHROME
Guides	Both	352973-R2	C1636	.312x.626x1.500
Locks	Both	46209-D	059-614-200	Single-groove 8mm
2 113 C.I. (1.8L)				TRACTOR 2 VALVE L4
PART		OE#	PART NO.	NOTES
Valves	Exh.	57798-D	P1958	1.15x11/32x4.93
Seats	Int.		PC1437-3	1.437x.218x1.187 HI-CHROME
			M21437-3	" " " TUNGSTEN CARBIDE
	Exh.		PC1187-1	1.187x.187x1.000 HI-CHROME
			M21187-1 PC1312-1 M21312-1	" " " TUNGSTEN CARBIDE 1.312x.187x1.063 HI-CHROME " " " TUNGSTEN CARBIDE
Guides	Both	356583-R1	C1804	.344x.564x2.656 Late model
Locks	Both	42026-D	059-117-060	Single-groove 11/32
3 123 C.I. (2.0L) POWER UNIT & LPG				TRACTOR 2 VALVE L4
PART		OE#	PART NO.	NOTES
Valves	Exh.	57798-D	P1958	1.15x11/32x4.93
Seats	Int.		PC1437-3	1.437x.218x1.187 HI-CHROME
			M21437-3	" " " TUNGSTEN CARBIDE
			PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	" " " TUNGSTEN CARBIDE
	Exh.		PC1187-1 M21187-1 PC1437-3N	1.187x.187x1.000 HI-CHROME " " " TUNGSTEN CARBIDE 1.437x.218x1.187 HI-NICKEL
Guides	Both	356583-R1	C1804	.344x.564x2.656
Locks	Both	42026-D	059-117-060	Single-groove 11/32
4 135 C.I. (2.2L) C135, C153				TRACTOR 2 VALVE L4
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	" " " TUNGSTEN CARBIDE
	Exh.		PC1437-3 M21437-3	1.437x.218x1.187 HI-CHROME " " " TUNGSTEN CARBIDE
Guides	Both	356583-R1	C1804	.344x.564x2.656
Locks	Both	42026-D	059-117-060	Single-groove 11/32

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5 146 C.I. (2.4L) C146				TRACTOR	2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME		
	Exh.		M21625-1	“ “ “ TUNGSTEN CARBIDE		
			PC1437-3	1.437x.218x1.187 HI-CHROME		
			M21437-3	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	356583-R1	C1804	.344x.564x2.656		
Seals	Both		55834	.341x.565 “Viton”		
			57004	.341x.565 “Poly”		
Locks	Both	42026-D	059-117-060	Single-groove 11/32		
6 D150, D170, D190, DV462/B, DV550/B				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Guides	Int.	428046-C1	C7336	.375x.689x2.960		
7 152 C.I. (2.5L) 152, V304				NAVISTAR	2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Valves	Int.	151269R2	P2303	1.96x3/8x5.22		
	Exh.	151443R2	PS2302	1.60x3/8x5.47		
			P2302	1.60x3/8x5.47		
Seats	Int.		PC2015E-1	2.015x.187x1.828 HI-CHROME		
	Exh.		PC1678E-1	1.678x.312x1.446 HI-CHROME		
			M21678E-1	“ “ “ TUNGSTEN CARBIDE		
Guides	Both		B6013I	.372x.688x2.920 BRONZE		
Seals	Both		55534	.294x.420 “O” Ring “Nitrile”		
			50266	.294x.420 “O” Ring “Viton”		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
8 152 C.I. (2.5L) C152				TRACTOR	2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1562-1	1.562x.218x1.312 HI-CHROME		
	Exh.		M21562-1	“ “ “ TUNGSTEN CARBIDE		
			PC1437-1	1.437x.218x1.250 HI-CHROME		
			M21437-1	“ “ “ TUNGSTEN CARBIDE		
Guides	Both		C1544	.343x.595x2.625		
		8049DR	.343x.595x2.938 NITROCARBURIZED			
Locks	Both	42026-D	059-117-060	Single-groove 11/32		
9 154 C.I. (2.5L) DIESEL				TRACTOR	2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Guides	Int.	3044492-R1	C1963	.343x.564x3.250		
	Exh.	3044493-R1	C1964	.344x.564x3.000		
10 NEUSS DIESEL D155, D179, D206, D239, D246, D268, D310, D358				TRACTOR	2 VALVE	L3/4/6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1750-4	1.750x.250x1.437 HI-CHROME		
	Exh.		M21750-4	“ “ “ TUNGSTEN CARBIDE		
			PC1657E-1	1.657x.395x1.312/1.500 HI-CHROME		
Guides	Both	3055022-R2	C7548	.388x.633x3.040		

I.H.C. TRACTOR - NAVISTAR

11 157 C.I. (2.6L) C157				TRACTOR 2 VALVE L4
PART	OE#	PART NO.	NOTES	
Valves Exh.	372699-R1	PS2365N	1.51x3/8x5.05	
Seats Int.		PC1875-6 M21875-6	1.875x.218x1.625 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides Int.	535229-R1	C6990	.376x.627x2.240	
Exh.	237248R1	C1747	.376x.627x2.440	
Locks Both	41339D	059-144-526	Single-groove 3/8	
12 164 C.I. (2.7L) C164				TRACTOR 2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1562-1 M21562-1	1.562x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE	
Exh.		PC1500-3 M21500-3	1.500x.250x1.250 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides Both	8049DR	C1544 C1545N	.343x.595x2.625 .343x.595x2.938 NITROCARBURIZED	
Locks Both	42026-D	059-117-060	Single-groove 11/32	
13 D166, D188				TRACTOR 2 VALVE L4
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1687-2 M21687-2	1.687x.218x1.437 HI-CHROME " " " TUNGSTEN CARBIDE	
Exh.		PC1375-1 M21375-1	1.375x.218x1.125 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides Both	278370-R1	C1881	.374x.626x2.844	
Seals Both		55676-P	.372x.625 "Poly"	
Locks Both	41339D	059-144-526	Single-groove 3/8	
14 169 C.I. (2.8L) C169				TRACTOR 2 VALVE L4
PART	OE#	PART NO.	NOTES	
Valves Exh.	372699-R1	PS2365N	1.51x3/8x5.05	
Seats Int.		PC1625-1 M21625-1	1.625x.218x1.375 HI-CHROME " " " TUNGSTEN CARBIDE	
Exh.		PC1875-6 M21875-6	1.875x.218x1.625 HI-CHROME " " " TUNGSTEN CARBIDE	
		PC1500-1 M21500-1	1.500x.218x1.250 HI-CHROME " " " TUNGSTEN CARBIDE	
		PC1562-8 M21562-8	1.562x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE	
Guides Both	8049DR 237248R1	C1545N C1747	.343x.595x2.938 Use w/ 1.500 & 1.375 Valve Head Dia. .376x.627x2.440	
Locks Both	41339D	059-144-526	Single-groove 3/8	
15 175 C.I. (2.9L) C175 W/3-9/16" BORE				TRACTOR 2 VALVE L4
PART	OE#	PART NO.	NOTES	
Valves Exh.	372699-R1	PS2365N	1.51x3/8x5.05	
Seats Int.		PC1875-6 M21875-6	1.875x.218x1.625 HI-CHROME " " " TUNGSTEN CARBIDE	
Exh.		PC1562-8 M21562-8	1.562x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE	

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15 175 C.I. (2.9L) C175 W/3-9/16" BORE (CONT.)				TRACTOR	2 VALVE	L4
PART	OE#	PART NO.	NOTES			
Guides	Both	8049DR 237248R1	C1545N C1747	.343x.595x2.938 - 1.500 & 1.375 Valve Head Dia.		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
16 196 C.I. (3.2L) 196, V392				NAVISTAR	2 VALVE	L4/V8
PART	OE#	PART NO.	NOTES			
Valves	Int. Exh.	352177C1 874918R2	P2667 PS2666	2.07x3/8x5.24 1.73x.414x5.47 "STELLITE"		
Seats	Int. Exh.		PC2125-3 M22125-3 PC1803E-1 M21803E-1	2.125x.187x1.937 HI-CHROME " " " TUNGSTEN CARBIDE 1.803x.312x1.571 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Int. Exh.		B6013I B6013E	.372x.688x2.920 BRONZE .415x.688x2.920 BRONZE		
Seals	Both		55534 50266	.294x.420 "O" Ring "Nitrile" .294x.420 "O" Ring "Viton"		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
Springs	Both	317365-C11	050-887-7	1.390dx1.00id* 76Lb.@1.80		
17 200 C.I. (3.3L) C200, C291, C301				TRACTOR	2 VALVE	L4/6
PART	OE#	PART NO.	NOTES			
Valves	Exh.	372699-R1	PS2365N	1.51x3/8x5.05		
Seats	Int. Exh.		PC1875-6 M21875-6 PC1562-8 M21562-8	1.875x.218x1.625 HI-CHROME " " " TUNGSTEN CARBIDE 1.562x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Int. Exh.	535229-R1 237248R1	C6990 C1747	.376x.627x2.240 .376x.627x2.440		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
18 220 C.I. (3.6L) BD220, BG220				NAVISTAR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Seats	Int. Exh.		PC1687-3 M21687-3 PC1562-8 M21562-8	1.687x.250x1.437 HI-CHROME " " " TUNGSTEN CARBIDE 1.562x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Both	237248R1	C1747	.376x.627x2.440		
19 220 C.I. (3.6L) SD220				NAVISTAR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Seats	Int. Exh.		PC1687-3 M21687-3 PC1562-8 M21562-8	1.687x.250x1.437 HI-CHROME " " " TUNGSTEN CARBIDE 1.562x.218x1.312 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Both	237248R1	C1747	.376x.627x2.440		
Seals	Both		55534 50266	.294x.420 "O" Ring "Nitrile" .294x.420 "O" Ring "Viton"		

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20 221 C.I. (3.6L) C221				TRACTOR 2 VALVE L6
PART		OE#	PART NO.	NOTES
Valves	Exh.	372699-R1	PS2365N	1.51x3/8x5.05 “STELLITE”
Seats	Int.		PC1687-3	1.687x.250x1.437 HI-CHROME
			M21687-3	“ “ “ TUNGSTEN CARBIDE
			PC1875-6	1.875x.218x1.625 HI-CHROME
			M21875-6	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1562-8	1.562x.218x1.312 HI-CHROME
			M21562-8	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	535229-R1	C6990	.376x.627x2.240
	Exh.	237248R1	C1747	.376x.627x2.440
Seals	Both		55534 50266	.294x.420 “O” Ring “Nitrile” .294x.420 “O” Ring “Viton”
Locks	Both	41339D	059-144-526	Single-groove 3/8
21 232 C.I. (3.8L) “AMC”				TRACTOR 2 VALVE L6
PART		OE#	PART NO.	NOTES
Valves	Int.		P2471	1.78x3/8x4.86
			P2910	1.78x3/8x4.89
			P2605	1.78x3/8x4.89
	Exh.		P2507	1.40x3/8x4.88
			P2909	1.40x3/8x4.89
			P2604	1.40x3/8x4.89
Seats	Int.		PC1875-1	1.875x.250x1.625 HI-CHROME
			M21875-1	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1500-1	1.500x.218x1.250 HI-CHROME
			M21500-1	“ “ “ TUNGSTEN CARBIDE
Guides	Both		C6108	.374x.502x2.375
			C9108	.374x.502x2.375 GROOVED
Seals	Both		32976	.372x.775 “Nylon”
			32474	.342x.531 “Viton”
Locks	Exh.	42026-D 41339D	059-117-060	Single-groove 11/32
	Both		059-144-526	Single-groove 3/8
			059-177-526	4 Round-groove 3/8
Springs	Both		051-082	1.350dx0.97id* 70Lb.@1.80
Pushrods	Both		18A010	9.656x5/16
			11H003B	9.620x5/16
			11A017	9.650x5/16
22 232 C.I. (3.8L) HD232, HD232A, HD232C				NAVISTAR 2 VALVE L6
PART		YEARS	PART NO.	NOTES
Seats	Int.	1937-49	PC1812-5	1.812x.250x1.500 HI-CHROME
		1937-49	M21812-5	“ “ “ TUNGSTEN CARBIDE
	Exh.	1937-49	PC1562-6	1.562x.218x1.250 HI-CHROME
		1937-49	M21562-6	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1937-49	C6108	.374x.502x2.375

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23 232 C.I. (3.8L) “AMC”				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1969-72	P2605	1.78x3/8x4.89		
		1973-78	P2910	1.78x3/8x4.89 - OE# 444829C1		
	Exh.	1969-72	P2604	1.40x3/8x4.89		
		1973-78	P2909	1.40x3/8x4.89		
Seats	Int.	1969-78	PC1875-1	1.875x.250x1.625 HI-CHROME		
		1969-78	M21875-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1969-78	PC1500-1	1.500x.218x1.250 HI-CHROME		
		1969-78	M21500-1	“ “ “ TUNGSTEN CARBIDE		
Guides	Both		C6108	.374x.502x2.375		
		1969-78	C9108	.374x.502x2.375 - GROOVED		
Seals	Both	1969-78	32976	.372x.775 “Nylon”		
Locks	Both	1969-72	059-144-526	Single-groove 3/8		
		1969-78	059-177-526	4 Round-groove 3/8		
Springs	Both	1969-78	051-082	1.350dx0.97id* 70Lb.@1.80		
Pushrods	Both	1969-74	18A010	9.656x5/16		
		1972-76	11H003B	9.620x5/16		
		1977-78	11A017	9.650x5/16		

24 233 C.I. (3.8L) GRD233A, HD213/A, GRD214/A				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1937-49	PC1812-5	1.812x.250x1.500 HI-CHROME		
		1937-49	M21812-5	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1937-49	PC1562-6	1.562x.218x1.250 HI-CHROME		
		1937-49	M21562-6	“ “ “ TUNGSTEN CARBIDE		

25 236 C.I. (3.9L) DIESEL				TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1687-2	1.687x.218x1.437 HI-CHROME		
			M21687-2	“ “ “ TUNGSTEN CARBIDE		
			PC1750-2	1.750x.218x1.500 HI-CHROME		
			M21750-2	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1375-1	1.375x.218x1.125 HI-CHROME		
			M21375-1	“ “ “ TUNGSTEN CARBIDE		
			PC1500-3	1.500x.250x1.250 HI-CHROME		
			M21500-3	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	278370-R1	C1881	.374x.626x2.844		
Seals	Both		55676-P	.372x.625 “Poly”		
Locks	Both	41339D	059-144-526	Single-groove 3/8		

26 240 C.I. (3.9L) BG240				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1687-3	1.687x.250x1.437 HI-CHROME		
			M21687-3	“ “ “ TUNGSTEN CARBIDE		
			PC1875-1	1.875x.250x1.625 HI-CHROME		
			M21875-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1562-8	1.562x.218x1.312 HI-CHROME		
			M21562-8	“ “ “ TUNGSTEN CARBIDE		

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27 240 C.I. (3.9L) BD240, SD240				NAVISTAR 2 VALVE L6	
PART		YEARS	PART NO.	NOTES	
Guides	Int.	1950-69	PC1687-3	1.687x.250x1.437 HI-CHROME	
		1950-69	M21687-3	“ “ “ TUNGSTEN CARBIDE	
		1950-69	PC1875-1	1.875x.250x1.625 HI-CHROME	
		1950-69	M21875-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.	1950-69	PC1562-8	1.562x.218x1.312 HI-CHROME	
		1950-69	M21562-8	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	1950-69	C1747	.376x.627x2.440 - OE# 237248R1	
Seals	Both	1950-69	55534	.294x.420 “O” RING “Nitrile”	
		1950-69	50266	.294x.420 “O” RING “Viton”	
28 241 C.I. (3.9L) BG241				NAVISTAR 2 VALVE L6	
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1687-3	1.687x.250x1.437 HI-CHROME	
			M21687-3	“ “ “ TUNGSTEN CARBIDE	
			PC1875-1	1.875x.250x1.625 HI-CHROME	
			M21875-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1562-8	1.562x.218x1.312 HI-CHROME	
			M21562-8	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	237248R1	C1747	.376x.627x2.440	
29 241 C.I. (3.9L) FAB241				NAVISTAR 2 VALVE L6	
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1937-40	PC1750-2	1.750x.218x1.500 HI-CHROME	
		1937-40	M21750-2	“ “ “ TUNGSTEN CARBIDE	
		Exh.	1937-40	PC1562-1	1.562x.218x1.312 HI-CHROME
			1937-40	M21562-1	“ “ “ TUNGSTEN CARBIDE
	30 248 C.I. (4.0L) GAS				TRACTOR 2 VALVE L4
	PART		OE#	PART NO.	NOTES
Valves	Int.	57698D	PV0913	1.81x3/8x5.51	
Seats	Int.		PC1875-1	1.875x.250x1.625 HI-CHROME	
	Exh.		M21875-1	“ “ “ TUNGSTEN CARBIDE	
			PC1812-7	1.812x.250x1.437 HI-CHROME	
			M21812-7	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	8044D	C1546	.374x.689x2.750	
			C1547N	.374x.689x3.219 NITROCARBURIZED	
Seals	Both		55676-P	.372x.625 “Poly”	
Locks	Both	41339D	059-144-526	Single-groove 3/8	
31 250 C.I. (4.1L) BLD250 - 259 C.I. (4.3L) FAB259				NAVISTAR 2 VALVE L6	
PART		YEARS	PART NO.	NOTES	
Seats	Int.	1938-49	PC1750-1	1.750x.250x1.500 HI-CHROME	
		1938-49	M21750-1	“ “ “ TUNGSTEN CARBIDE	
		Exh.	PC1750-2	1.750x.218x1.500 HI-CHROME - 259 ONLY	
			M21750-2	“ “ “ TUNGSTEN CARBIDE - 259 ONLY	
	Exh.	1938-49	PC1562-1	1.562x.218x1.312 HI-CHROME	
		1938-49	M21562-1	“ “ “ TUNGSTEN CARBIDE	

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32 258 C.I. (4.2L) “AMC”				NAVISTAR 2 VALVE L6
PART		YEARS	PART NO.	NOTES
Valves	Int.	1971-78	P2910	1.78x3/8x4.89
	Exh.	1971-78	P2909	1.40x3/8x4.89
Seats	Int.	1971-78	PC1875-1	1.875x.250x1.625 HI-CHROME
		1971-78	M21875-1	“ “ “ TUNGSTEN CARBIDE
	Exh.	1971-78	PC1500-1	1.500x.218x1.250 HI-CHROME
		1971-78	M21500-1	“ “ “ TUNGSTEN CARBIDE
Guides	Both	1971-78	C6108	.374x.502x2.375
		1971-78	C9108	.374x.502x2.375
Locks	Both	1971-78	059-177-526	4 Round-groove 3/8
Pushrods	Both	1971-74	18A010	9.656x5/16
		1972-75	11H003B	9.620x5/16
		1976-78	11A017	9.650x5/16
33 263 C.I. (4.3L) C263				TRACTOR 2 VALVE L6
PART		OE#	PART NO.	NOTES
Valves	Exh.	372699-R1	PS2365N	1.51x3/8x5.05 STELLITE
Seats	Int.		PC1875-6	1.875x.218x1.625 HI-CHROME
			M21875-6	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1562-8	1.562x.218x1.312 HI-CHROME
			M21562-8	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	535229-R1	C6990	.376x.627x2.240
	Both	237248R1	C1747	.376x.627x2.440
Seals	Both		55534 50266	.294x.420 “O” Ring “Nitrile” .294x.420 “O” Ring “Viton”
Locks	Both	41339D	059-144-526	Single-groove 3/8
34 264 C.I. (4.3L) LPG				TRACTOR 2 VALVE L4
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1875-1	1.875x.250x1.625 HI-CHROME
			M21875-1	“ “ “ TUNGSTEN CARBIDE
			PC1937-4	1.937x.250x1.562 HI-CHROME
			M21937-4	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1812-7	1.812x.250x1.437 HI-CHROME
			M21812-7	“ “ “ TUNGSTEN CARBIDE
Guides	Both	8044D	C1547N	.374x.689x3.219 NITROCARBURIZED
Seals	Both		55676-P	.372x.625 “Poly”
Locks	Both	41339D	059-144-526	Single-groove 3/8
35 264 C.I. (4.3L) GAS				TRACTOR 2 VALVE L4
PART		OE#	PART NO.	NOTES
Valves	Int.		PC1875-1	1.875x.250x1.625 HI-CHROME
			M21875-1	“ “ “ TUNGSTEN CARBIDE
			PC1937-4	1.937x.250x1.562 HI-CHROME
			M21937-4	“ “ “ TUNGSTEN CARBIDE
	Exh.		PC1812-7	1.812x.250x1.437 HI-CHROME
			M21812-7	“ “ “ TUNGSTEN CARBIDE
Guides	Both	8044D	C1546	.374x.689x2.750
			C1547N	.374x.689x3.219 NITROCARBURIZED
Seals	Both		55676-P	.372x.625 “Poly”
Locks	Both	41339D	059-144-526	Single-groove 3/8

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36 264 C.I. (4.3L) DIESEL				TRACTOR	2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1812-5	1.812x.250x1.500 HI-CHROME		
			M21812-5	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1562-1	1.562x.218x1.312 HI-CHROME		
			M21562-1	“ “ “ TUNGSTEN CARBIDE		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
37 264 C.I. (4.3L) BG264				TRACTOR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1955-69	PC1875-1	1.875x.250x1.625 HI-CHROME		
		1955-69	M21875-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1955-69	PC1562-8	1.562x.218x1.312 HI-CHROME		
		1955-69	M21562-8	“ “ “ TUNGSTEN CARBIDE		
38 264 C.I. (4.3L) BD264				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1955-69	PC1875-1	1.875x.250x1.625 HI-CHROME		
		1955-69	M21875-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1955-69	PC1562-8	1.562x.218x1.312 HI-CHROME		
		1955-69	M21562-8	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	1955-69	C1747	.376x.627x2.440 - OE# 237248R1		
Seals	Both	1955-69	55534	.294x.420 “O” Ring “Nitrile”		
		1955-69	50266	.294x.420 “O” Ring “Viton”		
39 265 C.I. (4.3L) BG265				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1955-69	PC1875-1	1.875x.250x1.625 HI-CHROME		
		1955-69	M21875-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1955-69	PC1562-8	1.562x.218x1.312 HI-CHROME		
		1955-69	M21562-8	“ “ “ TUNGSTEN CARBIDE		
Guides	Both	1955-69	C1747	.376x.627x2.440		
40 269 C.I. (4.4L) BLD269, BLD269A, BD269				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Int.	1942-56	PC1750-2	1.750x.218x1.500 HI-CHROME		
		1942-56	M21750-2	“ “ “ TUNGSTEN CARBIDE		
	Exh.	1942-56	PC1562-1	1.562x.218x1.312 HI-CHROME		
		1942-56	M21562-1	“ “ “ TUNGSTEN CARBIDE		
Seals	Both	1942-56	55534	.294x.420 “O” Ring “Nitrile”		
		1942-56	50266	.294x.420 “O” Ring “Viton”		
41 281 C.I. (4.6L) C281				TRACTOR	2 VALVE	L4
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC1875-1	1.875x.250x1.625 HI-CHROME		
			M21875-1	“ “ “ TUNGSTEN CARBIDE		
	Exh.		PC1812-7	1.812x.250x1.437 HI-CHROME		
			M21812-7	“ “ “ TUNGSTEN CARBIDE		
Guides	Both		C1546	.374x.689x2.750		
		8044D	C1547N	.374x.689x3.219 NITROCARBURIZED		
Seals	Both		55676-P	.372x.625 “Poly”		
Locks	Both	41339D	059-144-526	Single-groove 3/8		

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42 282 C.I. (4.6L) GAS & LPG				TRACTOR 2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Exh.	372699-R1	PS2365N	1.51x3/8x5.05	
Seats Int.		PC1687-2	1.687x.218x1.437 HI-CHROME	
		M21687-2	" " " TUNGSTEN CARBIDE	
		PC1875-6	1.875x.218x1.625 HI-CHROME	
		M21875-6	" " " TUNGSTEN CARBIDE	
		PC1562-8	1.562x.218x1.312 HI-CHROME	
		M21562-8	" " " TUNGSTEN CARBIDE	
Guides Both	535279-R1 237248R1	C6990	.376x.627x2.240	
		C1747	.376x.627x2.440 NITROCARBURIZED	
Locks Both	41339D	059-144-526	Single-groove 3/8	
43 282 C.I. (4.6L) DIESEL				TRACTOR 2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1687-2	1.687x.218x1.437 HI-CHROME	
		M21687-2	" " " TUNGSTEN CARBIDE	
		PC1750-2	1.750x.218x1.500 HI-CHROME	
		M21750-2	" " " TUNGSTEN CARBIDE	
		PC1375-1	1.375x.218x1.125 HI-CHROME	
		M21375-1	" " " TUNGSTEN CARBIDE	
		PC1500-3	1.500x.250x1.250 HI-CHROME	
		M21500-3	" " " TUNGSTEN CARBIDE	
Guides Both	278370-R1	C1881	.374x.626x2.844	
Seals Both		55676-P	.372x.625 "Poly"	
Locks Both	41339D	059-144-526	Single-groove 3/8	
44 282 C.I. (4.6L) BD282				NAVISTAR 2 VALVE L6
PART	YEARS	PART NO.	NOTES	
Seats Int.	1953-69	PC1875-1	1.875x.250x1.625 HI-CHROME	
	1953-69	M21875-1	" " " TUNGSTEN CARBIDE	
	1953-69	PC1750-3	1.750x.218x1.437 HI-CHROME	
	1953-69	M21750-3	" " " TUNGSTEN CARBIDE	
Seals Both	1953-69	55534	.294x.420 "O" Ring "Nitrile"	
	1953-69	50266	.294x.420 "O" Ring "Viton"	
45 301 C.I. (4.9L) D301				NAVISTAR 2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1687-2	1.687x.218x1.437 HI-CHROME	
		M21687-2	" " " TUNGSTEN CARBIDE	
		PC1375-4	1.375x.187x1.125 HI-CHROME	
		M21375-4	" " " TUNGSTEN CARBIDE	
Guides Both	278370R1	C1881	.374x.626x2.844	
Locks Both	41339D	059-144-526	Single-groove 3/8	
46 301 C.I. (4.9L) DIESEL				TRACTOR 2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1750-2	1.750x.218x1.500 HI-CHROME	
		M21750-2	" " " TUNGSTEN CARBIDE	
		PC1500-3	1.500x.250x1.250 HI-CHROME	
		M21500-3	" " " TUNGSTEN CARBIDE	
Guides Both	278370R1	C1881	.374x.626x2.844	
Seals Int.		32951	.372x.770 "Poly"	

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46 301 C.I. (4.9L) DIESEL (CONT.)				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Locks	Both	41339D	059-144-526	Single-groove 3/8		
47 304 C.I. (5.0L) - 345 C.I. (5.6L)				TRACTOR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Valves	Int.	151269-R2	P2303	1.96x3/8x5.22		
	Exh.	151443-R3	PS2302	1.60x3/8x5.47 STELLITE		
			P2302	1.60x3/8x5.47		
Seats	Int.		PC2015E-1	2.015x.187x1.828 HI-CHROME		
	Exh.		PC1678E-1	1.678x.312x1.446 HI-CHROME		
			M21678E-1	" " " TUNGSTEN CARBIDE		
Guides	Both		B6013I	.372x.688x2.920 BRONZE		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
Springs	Both	317365C11	050-887-7	1.39odx1.00id* 76Lb.@1.80		
48 304 C.I. (5.0L) V304A, V345				NAVISTAR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Valves	Int.	151269R2	P2303	1.96x3/8x5.22		
	Exh.	151443R3	PS2302	1.60x3/8x5.47 STELLITE		
			P2302	1.60x3/8x5.47		
Seats	Int.		PC2015E-1	2.015x.187x1.828 HI-CHROME		
	Exh.		PC1678E-1	1.678x.312x1.446 HI-CHROME		
			M21678E-1	" " " TUNGSTEN CARBIDE		
Guides	Both		B6013I	.372x.688x2.920 BRONZE		
Seals	Both		55534	.294x.420 "O" Ring "Nitrile"		
			50266	.294x.420 "O" Ring "Viton"		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
Springs	Both	317365C11	050-887-7	1.39odx1.00id* 76Lb.@1.80		
49 308 C.I. (5.0L) BD308				NAVISTAR	2 VALVE	L6
PART	YEARS	PART NO.	NOTES			
Seats	Int.	1955-69	PC1875-1	1.875x.250x1.625 HI-CHROME		
		1955-69	M21875-1	" " " TUNGSTEN CARBIDE		
	Exh.	1955-69	PC1750-3	1.750x.218x1.437 HI-CHROME		
		1955-69	M21750-3	" " " TUNGSTEN CARBIDE		
50 312 C.I. (5.1L) DIESEL				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Valves	Int.	676687C1	PV2190FM	1.71x3/8x5.68		
	Exh.	675573C2	PV2192	1.45x3/8x5.64		
Seats	Int.	671602C1	PC1782E-1	1.782x.340x1.490/1.623 HI-CHROME		
	Exh.	671599C1	PC1536E-2N	1.536x.358x1.255/1.405 HI-NICKEL		
Guides	Both	675439-C1	C7431	.374x.626x2.750		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
51 318 C.I. (5.2L) RED318A, RED318				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Seats	Exh.		PC1625-3	1.625x.250x1.312 HI-CHROME		
			M21625-3	" " " TUNGSTEN CARBIDE		
Guides	Exh.	90316R3	C1936	.438x.691x2.813		
Locks	Both	93914-H	059-127-544	2 Round-bead 7/16		

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52 345 C.I. (5.6L) V345A				NAVISTAR	2 VALVE	V8
PART		OE#	PART NO.	NOTES		
Valves	Int.	151269R2	P2303	1.96x3/8x5.22		
	Exh.	151443R3	PS2302	1.60x3/8x5.47 STELLITE		
			P2302	1.60x3/8x5.47		
Seats	Int.		PC2015E-1	2.015x.187x1.828 HI-CHROME		
	Exh.		PC1678E-1	1.678x.312x1.446 HI-CHROME		
			M21678E-1	“ “ “ TUNGSTEN CARBIDE		
Guides	Both		B6013I	.372x.688x2.920 BRONZE		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
Springs	Both	317365C11	050-887-7	1.39odx1.00id* 76Lb.@1.80		
53 360 C.I. (5.9L) DIESEL				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	676687C1	PV2190FM	1.71x3/8x5.68		
	Exh.	675573C2	PV2192	1.45x3/8x5.64		
Seats	Int.	671602C1	PC1782E-1	1.782x.340x1.490/1.623 HI-CHROME		
	Exh.	671599C1	PC1536E-2N	1.536x.358x1.255/1.405 HI-NICKEL		
Guides	Both	675439C1	C7431	.374x.626x2.750		
Seals	Both	1815374C1	375627	.375x.627x1.290 “Hat”		
			375627-INSERT	.375x.627 “Hat”		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
54 360 C.I. (5.9L) TURBO DIESEL				NAVISTAR/TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	676687C1	PV2190FM	1.71x3/8x5.68		
	Exh.	1810086	PV2544X	1.45x3/8x5.68		
Seats	Int.	671602C1	PC1782E-1	1.782x.340x1.490/1.623 HI-CHROME		
	Exh.	671599C1	PC1536E-2N	1.536x.358x1.255/1.405 HI-NICKEL		
Guides	Both	675439C1	C7431	.374x.626x2.750		
Seals	Both	1815374C1	375627	.375x.627x1.290 “Hat”		
			375627-INSERT	.375x.627 “Hat”		
			375610	.375x.610 “Nylon”		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
55 360 C.I. (5.9L) DIESEL				TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	676687C1	PV2190FM	1.71x3/8x5.68		
	Exh.	675573C2	PV2192	1.45x3/8x5.64		
Seats	Int.	671602C1	PC1782E-1	1.782x.340x1.490/1.623 HI-CHROME		
	Exh.	671599C1	PC1536E-2N	1.536x.358x1.255/1.405 HI-NICKEL		
Guides	Both	675439C1	C7431	.374x.626x2.750		
Seals	Both	1815374C1	375627	.375x.627x1.290 “Hat”		
			375627-INSERT	.375x.627 “Hat”		
Locks	Both	41339D	059-144-526	Single-groove 3/8		

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56 361 C.I. (5.9L) TURBO DIESEL, D361				TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int. Exh.		PC2000-18 PC1657E-1	2.000x.312x1.750 HI-CHROME 1.657x.395x1.312/1.500 HI-CHROME		
Guides	Both	326505-R3	C1957	.437x.689x3.172		
Locks	Both	93914-H	059-127-544	2 Round-bead 7/16		
57 FBC361, FBB361, RED361/A, RED401/A, FBC401				TRACTOR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Int. Exh.	1938-49 1938-49 1938-49 1938-49	PC2375-2 M22375-2 PC1750-8 M21750-8	2.375x.281x2.000 HI-CHROME " " " TUNGSTEN CARBIDE 1.750x.250x1.375 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Exh.		C1936	.438x.691x2.813 - OE# 90316R3		
Locks	Both		059-127-544	2 Round-bead 7/16		
58 365 C.I. OHV, DIESEL, FI, VT365, POWERSTROKE, FORD TRUCK				NAVISTAR	4 VALVE	V8
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2003-09 2003-09	P5116 P5117	1.33x7mmx5.01 1.10x7mmx5.05		
Seats	Int. Exh.		PC1375-2 M21375-2 PC1250-3 M21250-3	1.375x.250x1.125 HI-CHROME " " " TUNGSTEN CARBIDE 1.250x.250x1.000 HI-CHROME " " " TUNGSTEN CARBIDE		
Guides	Both	2003-09	C3055	.276x.439x2.331		
Seals	Both	2003-09	275562	.275x.562 "Viton"		
Locks	Both	2003-09	059-011-050	Top-bead 7mm		
Springs	Both	2003-09	050-1458	0.990dx0.65id* 64Lb.@1.88		
59 372 C.I. (6.0L) RD372				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Exh.	1954-69	M21875-7	1.875x.250x1.593 TUNGSTEN CARBIDE		
Guides	Exh.		C1936	.438x.691x2.813 - OE# 90316R3		
Locks	Both		059-127-544	2 Round-bead 7/16 - OE# 93914-H		
60 389 C.I. (6.4L) OHV, TURBO, DIESEL, DIRECT INJ. MAXXFORCE 7				NAVISTAR	4 VALVE	V8
PART		YEARS	PART NO.	NOTES		
Valves	Int. Exh.	2003-09 2003-09	P5196 P5195	1.33x7mmx5.138 1.16x7mmx5.138		
Guides	Both	2003-09	C3055	.276x.439x2.331		
Seals	Both	2003-09	275562	.275x.562 "Viton"		
Locks	Both	2003-09	059-011-050	Top-bead 7mm		
Springs	Both	2003-09	050-1458	0.990dx0.65id* 64Lb.@1.88		
61 392 C.I. (6.4L) V392				TRACTOR	2 VALVE	V8
PART		OE#	PART NO.	NOTES		
Valves	Int. Exh.		P2667 PS2666	2.07x3/8x5.24 1.73x.414x5.47 "STELLITE"		
Seats	Int. Exh.		PC2125-3 M22125-3 PC1803E-1 M21803E-1	2.125x.187x1.937 HI-CHROME " " " TUNGSTEN CARBIDE 1.803x.312x1.571 HI-CHROME " " " TUNGSTEN CARBIDE		

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61 392 C.I. (6.4L) V392 (CONT.)				TRACTOR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Guides	Int.	B6013I	.372x.688x2.920 BRONZE			
Locks	Both	41339D	059-144-526			
Springs	Both	050-887-7	1.39odx1.00id* 76Lb.@1.80			
62 400 C.I. (6.6L) V400 AMC				NAVISTAR	2 VALVE	V8
PART	YEARS	PART NO.	NOTES			
Valves	Int.	P2912	2.02x3/8x4.90			
	Exh.	P2911	1.68x3/8x4.91			
Seats	Int.	PC2125-1	2.125x.250x1.812 HI-CHROME			
		M22125-1	“ “ “ TUNGSTEN CARBIDE			
	Exh.	PC1750-3N	1.750x.218x1.437 HI-NICKEL			
Guides	Both	C6108	.374x.502x2.375			
		C9108	.374x.502x2.375 - GROOVED			
Seals	Both	32976	.372x.775 “Nylon”			
Locks	Int.	059-177-526	4 Round-groove 3/8			
	Exh.	059-117-060	Single-groove 11/32 - OE# 41339D			
Springs	Int.	051-291	1.56odx1.19id* 42Lb.@1.79 OUTER - OE# 9N5496			
		051-292	1.05odx0.79id* 20Lb.@1.67 INNER - OE# 9N5495			
Pushrods	Both	11H001B	7.818x5/16			
63 V401, VS401 - VS549+FTVS549, V549+FTV549				NAVISTAR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Valves	Int.	185403R2	P2933			
	Exh.	133703R4	PS2932			
Seats	Int.	PC2250-1	2.250x.187x1.937 HI-CHROME			
		M22250-1	“ “ “ TUNGSTEN CARBIDE			
Guides	Exh.	C8224	.438x.692x3.250			
Seals	Both	55534	.294x.420 “O” Ring “Nitrite”			
		50266	.294x.420 “O” Ring “Viton”			
Locks	Both	61868R11	059-54GC126			
Springs	Both	317365C11	050-887-7			
64 401 C.I. (6.6L) RED401A, FBC401, RED401 1938-49				NAVISTAR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Seats	Int.	PC2375-2	2.375x.281x2.000 HI-CHROME			
		M22375-2	“ “ “ TUNGSTEN CARBIDE			
	Exh.	PC1750-8	1.750x.250x1.375 HI-CHROME			
		M21750-8	“ “ “ TUNGSTEN CARBIDE			
65 404 C.I. (6.6L) MV404, MV446				NAVISTAR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Valves	Int.	446418C1	P3022X			
	Exh.	446854C1	PS3015			
Seats	Int.	PC2125-1	2.125x.250x1.812 HI-CHROME			
		M22125-1	“ “ “ TUNGSTEN CARBIDE			
	Exh.	PC1654E-1N	1.654x.312x1.367 HI-NICKEL			
Guides	Int.	446723C1	C7174			
Locks	Both	41339D	059-144-526			
Springs	Both	317365C11	050-887-7			

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66 406 C.I. (6.6L) RD406, RD450, RD501				NAVISTAR	2 VALVE	L6
PART		YEARS	PART NO.	NOTES		
Seats	Exh.	1954-69	PC1875-1N	1.875x.250x1.625 HI-NICKEL		
Guides	Exh.		C1936	.438x.691x2.813 - OE# 90316R3		
Locks	Both		059-127-544	2 Round-bead 7/16 - OE# 93914-H		
67 407 C.I. (6.7L) TURBO DIESEL, DIESEL				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Guides	Both	326505R3	C1957	.437x.689x3.172		
Locks	Both	93914-H	059-127-544	2 Round-bead 7/16		
68 407 C.I. (6.7L) TURBO DIESEL, DIESEL				TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Int.		PC2000-1	2.000x.218x1.750 HI-CHROME		
	Exh.		M22000-1 PC1657E-1	" " " TUNGSTEN CARBIDE 1.657x.395x1.312/1.500 HI-CHROME		
Guides	Both	326505-R3	C1957	.437x.689x3.172		
Locks	Both	93914-H	059-127-544	2 Round-bead 7/16		
69 408 C.I. (6.7L) DT408				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.		P5199	1.97x5/16x5.789		
	Exh.		P5200X	1.60x5/16x5.790		
Seats	Int.	675043	PC1999E-1	1.999x.386x1.712/1.767 HI-CHROME		
	Exh.	675450C1	PC1628E-1N	1.628x.365x1.348/1.524 HI-CHROME		
Guides	Both	1820264	C8476	.314x.565x2.440		
		1824646	C3006	.374x.626x2.395		
Seals	Both	1822245	313565	.313x.565 "Viton"		
		1823925	375626	.375x.626x1.120 "Viton"		
			375610	.375x.610 "Nylon"		
Locks	Both	1824644	059-862-100	Center-bead 3/8		
		1810944	059-614-200	Single-groove 8mm		
Springs	Int.	677439	050-1416	1.47odx1.06id* 83Lb.@2.00		
	Exh.	1825540	050-1417	1.48odx1.06id*145Lb.@1.98		
70 414 C.I. (6.8L) D414NA, D436, DT436				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	675046	P3053X	1.97x3/8x5.780		
			PV2089	1.97x3/8x5.786		
	Exh.	676865	PV2088X	1.60x3/8x5.786 "STELLITE"		
			PS3052	1.60x3/8x5.78 "STELLITE"		
Seats	Int.	671559	PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME		
	Exh.	671563	PC1628E-1N	1.628x.365x1.348/1.524 HI-NICKEL		
Guides	Both	675439	C7431	.374x.626x2.750		
Seals	Exh.	681234C1	375000	.375x.000 "Nylon"		
Locks	Both	41339D	059-144-526	Single-groove 3/8		

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71 414 C.I. (6.8L), 436 C.I. (7.1L) DIESEL, TURBO DIESEL				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Valves	Int.	P3053X	1.97x3/8x5.78			
	Exh.	PV2089	1.97x3/8x5.786			
		PV2088X	1.60x3/8x5.786 "STELLITE"			
		PS3052	1.60x3/8x5.78 "STELLITE"			
Seats	Int.	PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME			
	Exh.	PC1628E-1N	1.628x.365x1.348/1.524 HI-CHROME			
Guides	Both	675439-C1	.374x.626x2.750			
		1815264-C1	.374x.626x2.610			
Seals	Exh.	375000	.375x.000 "Nylon" - 414 ONLY			
Locks	Both	41339D	059-144-526			
			Single-groove 3/8			
72 420 C.I. (6.9L) DIESEL				NAVISTAR	2 VALVE	V8
PART	YEARS	PART NO.	NOTES			
Valves	Int.	P3304	1.87x3/8x5.68			
	Exh.	P3305	1.59x3/8x5.67			
		P3305X	1.59x3/8x5.67 - HAS WIDER MARGIN			
Seats	Int.	PC1875-38	1.875x.187x1.625 HI-CHROME			
		PC1937-23	1.937x.187x1.687 HI-CHROME			
	Exh.	PC1669E-1	1.669x.272x1.372/1.429 HI-CHROME			
		M21669E-1	" " " HI-CHROME			
Guides	Int.	C6034	.389x.627x2.550 - +.015 I.D.			
	Exh.	C6035	.389x.627x2.550 - +.015 I.D.			
	Both	C7689	.374x.625x2.600 - OE# 1805407			
		C7712	.373x.627x2.600			
		C6039	.374x.627x2.550			
Seals	Both	32976	.372x.775 "Nylon"			
		32623	.372x.640 "Viton" - OE# 1804420			
Locks	Both	059-144-526	Single-groove 3/8			
Springs	Both	050-887-7	1.390dx1.00id* 76Lb.@1.80			
Pushrods	Both	52A001	10.013x11/32			
73 444 C.I. (7.3L) DIESEL				NAVISTAR	2 VALVE	V8
PART	YEARS	PART NO.	NOTES			
Valves	Int.	P3304	1.87x3/8x5.68			
	Exh.	P3305	1.59x3/8x5.67			
		P3305X	1.59x3/8x5.67 - HAS WIDER MARGIN			
Seats	Int.	PC1875-38	1.875x.187x1.625 HI-CHROME			
		PC1937-23	1.937x.187x1.687 HI-CHROME			
	Exh.	PC1669E-1	1.669x.272x1.372/1.429 HI-CHROME			
		M21669E-1	" " " TUNGSTEN CARBIDE			
Guides	Int.	C6034	.389x.627x2.550 - +.015 I.D.			
	Exh.	C6035	.389x.627x2.550 - +.015 I.D.			
	Both	C7689	.374x.625x2.600 - OE# 1805407			
		C7712	.373x.627x2.600			
		C6039	.374x.627x2.550			
Seals	Exh.	32976	.372x.775 "Nylon"			
	Both	32623	.372x.640 "Viton" - OE# 1804420			
Locks	Both	059-144-526	Single-groove 3/8 - OE# 41339			
Springs	Both	050-887-7	1.390dx1.00id* 76Lb.@1.80 - OE# 317365-C11			
Pushrods	Both	52A001	10.013x11/32			

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74 444 C.I. (7.3L) TURBO DIESEL INDIRECT INJECTION				NAVISTAR	2 VALVE	V8
PART		YEARS	PART NO.	NOTES		
Valves	Int.	1993-95	P3304	1.87x3/8x5.68		
		1993-95	PV4494	1.68x8mmx5.81 - OE# 1823453		
	Exh.	1993-95	P3305	1.59x3/8x5.67		
		1993-95	P3305X	1.59x3/8x5.67 - HAS WIDER MARGIN		
Seats	Int.	1993-95	PV4495	1.68x8mmx5.80 - OE# 1823452		
		1993-95	PC1937-23	1.937x.187x1.687 HI-CHROME		
	Exh.	1993-95	PC1669E-1	1.669x.272x1.372/1.429 HI-CHROME - OE# 1805249C1		
		1993-95	M21669E-1	" " " TUNGSTEN CARBIDE		
Guides	Int.		C6034	.389x.627x2.550 - +.015 I.D.		
	Exh.		C6035	.389x.627x2.550 - +.015 I.D.		
	Both	1993-95	C7689	.374x.625x2.600 - OE# 1805407		
		1993-95	C7712	.373x.627x2.600		
		1993-95	C8476	.314x.565x2.440 - OE# 1820264C1		
		1993-95	C6039	.374x.627x2.550		
Seals	Exh.	1993-95	32976	.372x.775 "Nylon"		
	Both	1993-95	32623	.372x.640 "Viton" - OE# 1804420		
		1993-95	315565	.315x.565 "Hat" - OE# 1816179		
Locks	Both	1993-95	059-144-526	Single-groove 3/8 - OE# 41339D		
		1993-95	059-812-000	Single-groove 5/16 - OE# 1810944		
		1993-95	059-614-200	Single-groove 8mm		
Springs	Both	1993-95	050-887-7	1.39odx1.00id* 76Lb.@1.80 - OE# 317365-C11		
Pushrods	Both	1993-95	52A001	10.013x11/32		
75 444 C.I. (7.3L) POWER STROKE, TURBO DIESEL DIRECT INJ.				NAVISTAR	2 VALVE	V8
PART		OE#	PART NO.	NOTES		
Valves	Int.	1823453	PV4494	1.68x8mmx5.81		
	Exh.	1823452	PV4495	1.68x8mmx5.80		
Seats	Int.		PC1750-4	1.750x.250x1.437 HI-CHROME		
	Exh.		M21750-4	" " " TUNGSTEN CARBIDE		
			PC1750-4N	" " " HI-NICKEL		
Guides	Int.	1820264C1	C8476	.314x.565x2.440		
Seals	Both	1816179C91	315565	.315x.565		
Locks	Both		059-614-200	Single-groove 8mm		
Springs	Both	317365C11	050-887-7	1.39odx1.00id* 76Lb.@1.80		
76 450 C.I. (7.3L) RED450, RED450A				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Seats	Exh.		PC1625-3N	1.625x.250x1.312 HI-NICKEL		
Guides	Exh.	90316R3	C1936	.438x.691x2.813		
Locks	Both	93914-H	059-127-544	2 Round-bead 7/16		
77 461 C.I. (7.5L) V461				NAVISTAR	2 VALVE	V8
PART		OE#	PART NO.	NOTES		
Valves	Int.	185403R2	P2933	2.15x7/16x6.34		
	Exh.	133703R4	PS2932	1.80x7/16x6.34 "STELLITE"		
Seats	Int.		PC2250-1	2.250x.187x1.937 HI-CHROME		
			M22250-1	" " " TUNGSTEN CARBIDE		
Guides	Exh.		C8224	.438x.692x3.250		
Locks	Both	61868R11	059-54GC126	Single-groove 7/16		
Springs	Both	317365C11	050-887-7	1.39odx1.00id* 76Lb.@1.80		

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78 466 C.I. (7.6L) TURBO DIESEL MECH. INJ.				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.		P5199	1.97x5/16x5.789		
	Exh.		P5200X	1.60x5/16x5.790		
Seats	Int.	675043-C1	PC1999E-1	1.999x.386x1.712/1.767 HI-CHROME		
Guides	Both	1820264-C1	C8476	.314x.565x2.440		
		18246464-C1	C3006	.374x.626x2.395		
Seals	Both	1822245C1	313565	.313x.565 "Viton"		
		1823925-C1	375626	.375x.626x1.120 "Viton"		
			375610	.375x.610 "Nylon"		
Locks	Both	1824644C1	059-862-100	Center-bead 3/8		
		1810944C1	059-812-000	Single-groove 5/16		
			059-614-200	Single-groove 8mm		
Springs	Int.	677349-C1	050-1416	1.47odx1.06id* 83Lb.@2.00		
	Exh.	1825540-C1	050-1417	1.48odx1.06id*145Lb.@1.98		
79 466 C.I. (7.6L) DTI466B TURBO DIESEL, D466 DIESEL				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	675046	P3053X	1.97x3/8x5.78		
			PV2089	1.97x3/8x5.786		
	Exh.	676865	PV2088X	1.60x3/8x5.786 "STELLITE"		
			PS3052	1.60x3/8x5.78 "STELLITE"		
Seats	Int.	675043C1	PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME		
	Exh.	675450C1	PC1628E-1N	1.628x.365x1.348/1.524 HI-NICKEL		
Guides	Both	675439C1	C7431	.374x.626x2.750		
		1815264C1	C8188	.374x.626x2.610		
Seals	Exh.		375000	.375x.000 "Nylon"		
	Both	1815374-C1	375627	.375x.627x1.290 "Viton"		
		1823925-C1	375626	.375x.626x1.120 "Viton"		
			375627-INSERT	For 375627		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
80 466 C.I. (7.6L) HEUI DIESEL ELEC. INJ, 530E				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	1823875-C1	P5054	1.78x3/8x5.99		
		1826471-C1	P5052	1.97x3/8x5.99		
	Exh.	1824840-C1	PS5053	1.78x3/8x5.99		
Seats	Int.	1827121-C1	PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME		
			PC1823E-1	1.823x.273x1.560/1.569 HI-CHROME		
	Exh.		PC1811E-3	1.811x.334x1.548/1.650 HI-CHROME		
Guides	Both	1815264C1	C8188	.374x.626x2.610		
Seals	Both	1823925C1	375626	.375x.626x1.120 "Viton"		
			375610	.375x.610 "Nylon"		
Locks	Both	1824644C1	059-862-100	Center-bead 3/8		
Springs	Int.	677349-C1	050-1416	1.47odx1.06id* 83Lb.@2.00		
	Exh.	1825540-C1	050-1417	1.48odx1.06id*145Lb.@1.98		

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81 466 C.I. (7.6L) DIESEL INJ. MAXXFORCE, 570 TURBO				NAVISTAR	4 VALVE	L6
PART	OE#	PART NO.	NOTES			
Valves	Int.	1839968C1	P5162	1.56x8mmx5.82x.468		
	Exh.	1839970C1	PS5163	1.43x8mmx5.81x.468		
Seats	Exh.		PC1480E-2	1.480x.250x1.288x1.299 HI-CHROME		
Guides	Both	1841538C1	C3079	.314x.565x2.585		
Seals	Both		312565	.312x.565 "Viton"		
Locks	Both	1841588C1	059-859-100	Center-bead 8mm		
Springs	Both		050-1489	1.310dx.097id* 96Lb.@1.57		
82 466 C.I. (7.6L) DTA466C, DT-DTA466				NAVISTAR	4 VALVE	L6
PART	OE#	PART NO.	NOTES			
Valves	Int.	675046	P3053X	1.97x3/8x5.78		
			PV2089	1.97x3/8x5.786		
Exh.		676865	PV2088X	1.60x3/8x5.786 "STELLITE"		
			PS3052	1.60x3/8x5.78 "STELLITE"		
Seats	Int.	671559	PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME		
	Exh.	671563	PC1628E-1N	1.628x.365x1.348/1.524 HI-NICKEL		
Guides	Both	675439	C7431	.374x.626x2.750		
Seals	Exh.	681243C1	375000	.375x.000 "Nylon"		
	Both	1815374	375627	.375x.627x1.290 "Viton"		
			375627-INSERT	For 375627		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
83 466 C.I. (7.6L) DT466/B, DTI466B DIESEL, TURBO-D				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Valves	Int.	675046-C2	P3053X	1.97x3/8x5.78		
			PV2089	1.97x3/8x5.786		
Exh.		676865-C2	PV2088X	1.60x3/8x5.786 "STELLITE"		
			PS3052	1.60x3/8x5.78 "STELLITE"		
Seats	Int.		PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME		
	Exh.		PC1628E-1N	1.628x.365x1.348/1.524 HI-NICKEL		
Guides	Both	675439-C1	C7431	.374x.626x2.750		
		1815264-C1	C8188	.374x.626x2.610		
Seals	Exh.		375000	.375x.000 "Nylon"		
	Both	1815374-C1	375627	.375x.627x1.290 "Viton"		
		1823925-C1	375626	.375x.626x1.120 "Viton"		
			375627-INSERT	For 375627		
Locks	Both	41339D	059-144-526	Single-groove 3/8		
84 478 C.I. (7.8L) VS478, V478				NAVISTAR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Valves	Int.		P2933	2.15x7/16x6.34		
	Exh.	133703R4	PS2932	1.80x7/16x6.34 "STELLITE"		
Seats	Int.		PC2250-1	2.250x.187x1.937 HI-CHROME		
			M22250-1	" " " TUNGSTEN CARBIDE		
Guides	Exh.		C8224	.438x.692x3.250		
Seals	Both		55534	.294x.420 O Ring "Nitrile"		
			50266	.294x.420 O Ring "Viton"		
Locks	Both	61868R11	059-54GC126	Single-groove 7/16		
Springs	Both	317365C11	050-887-7	1.390dx1.00id* 76Lb.@1.80		

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85 530 C.I. (8.7L) DIESEL MECHANICAL INJ.				NAVISTAR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	1818580-C1	P5199	1.97x5/16x5.789		
	Exh.	1818579-C1	P5200X	1.60x5/16x5.790		
Seats	Int.	675043-C1	PC1999E-1	1.999x.386x1.712/1.767 HI-CHROME		
Guides	Both	1820264-C1	C8476	.314x.565x2.440		
		1820264-C1	C3006	.374x.626x2.395		
Seals	Both	1822245C1	313565	.313x.565 "Viton"		
		1823925-C1	375626	.375x.626x1.120 "Viton"		
		1824683C1	375610	.375x.610 "Nylon"		
Locks	Both	1810944C1	059-812-000	Single-groove 5/16		
Springs	Int.	677349-C1	050-1416	1.47odx1.06id* 83Lb.@2.00		
	Exh.	1825540-C1	050-1417	1.48odx1.06id*145Lb.@1.98		
86 530 C.I. (8.7L) DIESEL ELEC. INJ.				TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	1823875-C1	P5054	1.78x3/8x5.99		
		1826471C1	P5052	1.97x3/8x5.99		
	Exh.	1824840-C1	PS5053	1.78x3/8x5.99		
Seats	Int.		PC1823E-1	1.823x.273x1.560/1.569 HI-CHROME		
	Exh.		PC2001E-1	2.001x.385x1.712/1.870 HI-CHROME		
			PC1811E-3	1.811x.334x1.548/1.650 HI-CHROME		
Guides	Both	1815264-C1	C8188	.374x.626x2.610		
Seals	Both	1823925-C1	375626	.375x.626x1.120 "Viton"		
			375610	.375x.610 "Nylon"		
Locks	Both	1824644C1	059-862-100	Center-bead 3/8		
Springs	Int.	677349-C1	050-1416	1.47odx1.06id* 83Lb.@2.00		
	Exh.	1825540-C1	050-1417	1.48odx1.06id*145Lb.@1.98		
87 530 C.I. (8.7L) DIESEL				TRACTOR	2 VALVE	L6
PART		OE#	PART NO.	NOTES		
Valves	Int.	1818580-C1	P5199	1.97x5/16x5.789		
	Exh.	1818579-C1	P5200X	1.60x5/16x5.790		
Seats	Int.	675043-C1	PC1999E-1	1.999x.386x1.712/1.767 HI-CHROME		
Guides	Both	1820264-C1	C8476	.314x.565x2.440		
		1824646-C1	C3006	.374x.626x2.395		
Seals	Both	1822245C1	313565	.313x.565 "Viton"		
		1823925-C1	375626	.375x.626x1.120 "Viton"		
		1824683C1	375610	.375x.610 "Nylon"		
Locks	Both	181094C1	059-812-000	Single-groove 5/16		
		1810944C1	059-614-200	Single-groove 8mm		
Springs	Int.	677349-C1	050-1416	1.47odx1.06id* 83Lb.@2.00		
	Exh.	1825540-C1	050-1417	1.48odx1.06id*145Lb.@1.98		
88 537 C.I. (8.8L) V537 - 605 C.I. (9.9L) V605				TRACTOR	2 VALVE	V8
PART		OE#	PART NO.	NOTES		
Valves	Int.	448453C2	P3024	2.15x7/16x6.09		
	Exh.	448454C1	PS3023	1.80x7/16x6.10 "STELLITE"		
Seats	Int.		PC2250-1	2.250x.187x1.937 HI-CHROME		
			M22250-1	" " " TUNGSTEN CARBIDE		
Locks	Both	61868R11	059-54GC126	Single-groove 7/16		
Springs	Both	317365-C11	050-887-7	1.39odx1.00id* 76Lb.@1.80		

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89 DV550B (9.0L) DIESEL				TRACTOR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Guides Exh.	428046-C1	C7336	.375x.689x2.960			
90 551 C.I. (9.0L) DIESEL				NAVISTAR	2 VALVE	V8
PART	OE#	PART NO.	NOTES			
Seats Int.		PC1973E-1	1.973x.300x1.658/1.875 HI-CHROME			
Guides Both	428046-C1	C7336	.375x.689x2.960			
Locks Both	41339D	059-144-526	Single-groove 3/8			
Springs Both	317365-C11	050-887-7	1.39odx1.00id* 76Lb.@1.80			
91 691 C.I. (11.3L) DIESEL				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Guides Both		C4944	.312x.627x2.688			
92 817 C.I. (13.4L) DIESEL				TRACTOR	2 VALVE	L6
PART	OE#	PART NO.	NOTES			
Guides Both	277577-R1	C6913	.437x.689x3.438			



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1 100.5 C.I. (1.6L) 100.5 GAS					H2
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1812-5	1.812x.250x1.500 HI-CHROME	
			M21812-5	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	M40T	C1858	.375x.690x3.344	
Locks	Both		059-080-526	2 Round-bead 3/8	
2 113 C.I. (1.9L) 113 GAS					H2
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1812-3	1.812x.218x1.500/1.625 HI-CHROME	
			M21812-3	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1625-1	1.625x.218x1.375 HI-CHROME	
			M21625-1	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	M3036T	C1859	.375x.690x2.797	
Locks	Both	B-367-R	059-080-526	2 Round-bead 3/8	
3 115 C.I. (1.9L) 115 GAS					L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1687-2	1.687x.218x1.437 HI-CHROME	
			M21687-2	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1437-3	1.437x.218x1.187 HI-CHROME	
			M21437-3	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	T556T	C1860	.343x.627x2.375	
4 135 GAS, 164 GAS, 180 GAS, 202 DIESEL					L3/4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1812-4	1.812x.218x1.562 HI-CHROME	
			M21812-4	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1562-4	1.562x.250x1.312 HI-CHROME	
Guides	Both		C7248	.375x.564x2.750	
			C7248B	.373x.564x2.750	
			C9115	.375x.502x2.750	
Seals	Both		1812C	.372x.562 “Teflon”	
Locks	Both	T20077	059-144-526	Single-groove 3/8	
5 145 C.I. (2.4L) 145 GAS					L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1687-2	1.687x.218x1.437 HI-CHROME	
			M21687-2	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1437-3N	1.437x.218x1.187 HI-NICKEL	
Guides	Both	T15683T	C1896	.344x.627x2.859	
		T11211T	C1899	.344x.627x2.969	
6 145 DIESEL, LP GAS - 165 GAS - 217 GAS, LPG					L4/6
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1687-2	1.687x.218x1.437 HI-CHROME	
			M21687-2	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1437-3N	1.437x.218x1.187 HI-NICKEL	

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7 152 C.I. (2.5L) 152 DIESEL - 303 DIESEL L3/6

PART	OE#	PART NO.	NOTES
Valves Exh.	R79624	P2683	1.57x3/8x5.15
Seats Int.		PC1875-6	1.875x.218x1.625 HI-CHROME
		M21875-6	“ “ “ TUNGSTEN CARBIDE
Exh.		PC1687-5N	1.687x.218x1.375 HI-CHROME
Guides Both		C7248	.375x.564x2.750
		C7248B	.373x.564x2.750
		C9115	.375x.502x2.750
Locks Both	T20077	059-144-526	Single-groove 3/8

8 164 C.I. (2.7L) 164 DIESEL L3

PART	OE#	PART NO.	NOTES
Valves Exh.	R79624	P2683	1.57x3/8x5.15
Guides Both		C7248	.375x.564x2.750
		C7248B	.373x.564x2.750
		C9115	.375x.502x2.750
Seals Both		32691	.313x.500 “Viton”
Locks Both	T20077	059-144-526	Single-groove 3/8

9 165 C.I. (2.7L) 165 DIESEL L4

PART	OE#	PART NO.	NOTES
Seats Int.		PC1687-2	1.687x.218x1.437 HI-CHROME
		M21687-2	“ “ “ TUNGSTEN CARBIDE
Exh.		PC1437-3N	1.437x.218x1.187 HI-NICKEL
Guides Both	T11211T	C1899	.344x.627x2.969
	T15683T	C1896	.344x.627x2.859
	T556T	C1860	.343x.627x2.375

10 179D, 3179D DIESEL, 239D, 4239D DIESEL L3/4

PART	OE#	PART NO.	NOTES
Valves Exh.	R79624	P2683	1.57x3/8x5.15
Guides Both		C7248	.375x.564x2.750
		C7248B	.373x.564x2.750
		C9115	.375x.502x2.750
Locks Both	T20077	059-144-526	Single-groove 3/8

11 179T, 3179T, 239T, 4239T TURBO DIESEL L3/4

PART	OE#	PART NO.	NOTES
Valves Exh.	R79624	P2683	1.57x3/8x5.15
Guides Both		C7248	.375x.564x2.750
		C7248B	.373x.564x2.750
Locks Both	T20077	059-144-526	Single-groove 3/8

12 3029, 4039, 4045, 6059, 6068 DIESEL, TURBO, POWERTECH L3/6

PART	OE#	PART NO.	NOTES
Seats Int.		PC1856E-1	1.856x.257x1.550T HI-CHROME
Exh.		PC1695E-1	1.695x.242x1.345/1.482 HI-CHROME
Guides Int.		C8674	.312x.502x2.209
Exh.		C8673	.312x.502x2.390
Seals Both	RE31617	32691	.313x.500 “Viton”
Locks Both	R91889	059-211-078	Top-bead 3/8

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13 190 C.I. (3.1L) H2			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1875-2	1.875x.250x1.562 HI-CHROME
Exh.		PC1625-1N	1.625x.218x1.375 HI-NICKEL
Guides Both	AB2859R	C1600	.439x.878x3.875
14 201, 301 GAS - 227, 340, 341 GAS & LPG L4/6			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1750-2	1.750x.218x1.500 HI-CHROME
Exh.		M21750-2	" " " TUNGSTEN CARBIDE
		PC1562-1N	1.562x.218x1.312 HI-NICKEL
Guides Both	R-28653-R	C1897	.374x.625x2.938
Seals Both		1812C	.372x.562 "Teflon"
Locks Both	B-367-R	059-080-526	2 Round-bead 3/8
15 219 DIESEL, 329 DIESEL L4/6			
PART	OE#	PART NO.	NOTES
Valves Exh.	R79624	P2683	1.57x3/8x5.15
Guides Both		C7248	.375x.564x2.750
		C7248B	.373x.564x2.750
		C9115	.375x.502x2.750
Locks Both	T20077	059-144-526	Single-groove 3/8
16 276T, 4276T, 359T, 6359T - 276D, 4276D, 359D, 6359D L4/6			
PART	OE#	PART NO.	NOTES
Valves Exh.	R79624	P2683	1.57x3/8x5.15
Guides Both		C7248	.375x.564x2.750
		C7248B	.373x.564x2.750
		C9115	.375x.502x2.750
Locks Both	T20077	059-144-526	Single-groove 3/8
Rotators Both	RE11410	RC147	Rotocap
17 241, 4241 GAS & LPG - 362, 6362 GAS & LPG L4/6			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1750-2	1.750x.218x1.500 HI-CHROME
Exh.		M21750-2	" " " TUNGSTEN CARBIDE
		PC1562-1N	1.562x.218x1.312 HI-NICKEL
Guides Both	R-28654-R	C1898	.375x.625x3.313
Locks Both	T20077	059-144-526	Single-groove 3/8
18 254 C.I. (4.2L) 254 DIESEL, 381 DIESEL L4/6			
PART	OE#	PART NO.	NOTES
Seats Int.		PC1812-4	1.812x.218x1.562 HI-CHROME
Exh.		M21812-4	" " " TUNGSTEN CARBIDE
		PC1625-1N	1.625x.218x1.375 HI-NICKEL
Guides Both	R-28654-R	C1898	.375x.625x3.313
Locks Both	B-367-R	059-080-526	2 Round-bead 3/8

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19 270 C.I. (4.4L) 270, 4270 DIESEL					L4
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1937-1	1.937x.250x1.687 HI-CHROME	
	Exh.		M21937-1 PC1750-1N	“ “ “ TUNGSTEN CARBIDE 1.750x.250x1.500 HI-NICKEL	
Guides	Both	R-28654-R	C1898	.375x.625x3.313	
Locks	Exh.	T20077	059-144-526	Single-groove 3/8	
	Both	B-367-R	059-080-526	2 Round-bead 3/8	
Rotators	Both	RE11410	RC147	Rotocap	
20 404 C.I. (6.6L) 404 DIESEL					L6
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1937-1	1.937x.250x1.687 HI-CHROME	
	Exh.		M21937-1 PC1750-1N	“ “ “ TUNGSTEN CARBIDE 1.750x.250x1.500 HI-NICKEL	
Guides	Both	R-28654-R	C1898	.375x.625x3.313	
Seals	Both		1812C	.372x.562 “Teflon”	
Locks	Exh.	T20077	059-144-526	Single-groove 3/8	
	Both	B-367-R	059-080-526	2 Round-bead 3/8	
Rotators	Both	RE11410	RC147	Rotocap	
21 404 C.I. (6.6L) 404A I/C T-DIESEL, 404T T-DIESEL					L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	R50358	P3013	1.71x3/8x6.19	
	Exh.	R50357	PS3042	1.71x3/8x6.21 INCONELL	
Seats	Int.		PC1750-2	1.750x.218x1.500 HI-CHROME	
			M21750-2	“ “ “ TUNGSTEN CARBIDE	
	Exh.		PC1937-1	1.937x.250x1.687 HI-CHROME	
			M21937-1 PC1750-2N PC1750-1N	“ “ “ TUNGSTEN CARBIDE 1.750x.218x1.500 HI-NICKEL 1.750x.250x1.500 HI-NICKEL	
Guides	Both	R-28654-R	C1898	.375x.625x3.313	
Seals	Both		343531	.343x.530 “Viton”	
Locks	Both	T20077	059-144-526	Single-groove 3/8	
Rotators	Both	RE11410	RC147	Rotocap	
22 414D, 6414 DIESEL - 414T, 6414T TURBO DIESEL					L6
PART		OE#	PART NO.	NOTES	
Valves	Exh.	R79624	P2683	1.57x3/8x5.15	
Guides	Both		C7248	.375x.564x2.750	
			C7248B	.373x.564x2.750	
			C9458	.373x.502x3.063	
Locks	Both	T20077	059-144-526	Single-groove 3/8	
Rotators	Both	RE11410	RC147	Rotocap	

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23 466 C.I. (7.6L) 466D, 6466D DIESEL L6				
PART		OE#	PART NO.	NOTES
Seats	Int. Exh.		PC1937-17 PC1750-2N	1.937x.218x1.687 HI-CHROME 1.750x.218x1.500 HI-NICKEL
Guides	Both		C7248 C7248B C9458	.375x.564x2.750 .373x.564x2.750 .373x.502x3.063
Seals	Both		1812C	.372x.562 "Teflon"
Locks	Both	T20077	059-144-526	Single-groove 3/8
Rotators	Both	RE11410	RC147	Rotocap
24 466A, 6466T INTERCOOLED TURBO DIESEL L6				
PART		OE#	PART NO.	NOTES
Valves	Int. Exh.	R50358 R50357	P3013 PS3042	1.71x3/8x6.19 1.71x3/8x6.21 INCONELL
Seats	Int. Exh.		PC1750-2 M21750-2 PC1750-2N	1.750x.218x1.500 HI-CHROME " " " TUNGSTEN CARBIDE " " " HI-NICKEL
Guides	Both		C7248 C7248B C9115	.375x.564x2.750 .373x.564x2.750 .375x.502x2.750
Locks	Both	T20077	059-144-526	Single-groove 3/8
Rotators	Both	RE11410	RC147	Rotocap
25 6076A, 6076 TURBO DIESEL - 6081 DIESEL POWERTECH L6				
PART		OE#	PART NO.	NOTES
Seats	Int.		PC2051E-4	2.051x.241x1.744/1.957 HI-CHROME
Guides	Both		C9458H	.374x.502x3.063 - 6076 only
Locks	Both	T20077	059-144-526	Single-groove 3/8
Rotators	Both	RE11410	RC147	Rotocap
26 531 C.I. (8.7L) 6531D DIESEL L6				
PART		OE#	PART NO.	NOTES
Guides	Both	R-40357 R-53192	C1967 C8004	.438x.783x3.188 .437x.783x3.188 Rototype
Locks	Both		059-54GC126	Single-groove 7/16
27 531 C.I. (8.7L) 6531A INTERCOOLED TURBO DIESEL - 619 C.I. (10.1L) 6619T L6				
PART		OE#	PART NO.	NOTES
Seats	Exh.	R48314	PC1991E-1N	1.991x.309x1.616/1.672 HI-NICKEL
Guides	Both	R-40357 R-53192	C1967 C8004	.438x.783x3.188 .437x.783x3.188 Rototype
Locks	Both		059-54GC126	Single-groove 7/16
28 619 C.I. (10.1L) 6101A TURBO DIESEL 500 SERIES L6				
PART		OE#	PART NO.	NOTES
Guides	Both	R108988	C3027	.375x.783x3.189
Locks	Both	T20077	059-144-526	Single-groove 3/8
Rotators	Both	RE11410	RC147	Rotocap

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29 644 C.I. (10.5L) 6105A, 6125A, DIESEL, POWERTECH				4 VALVES	L6
PART		OE#	PART NO.	NOTES	
Guides	Both		C3050	.357x.590x3.355	
Locks	Both		059-211-078	Top-bead 5/16	
30 824 C.I. (13.5L) 6135, DIESEL, POWER TECH PLUS				4 VALVES	L6
PART		OE#	PART NO.	NOTES	
Guides	Both		C3050	.357x.590x3.355	
31 MISCELLANEOUS					L6
PART		OE#	PART NO.	NOTES	
Guides	Int.		C445I	.313x.512x1.937	
	Exh.		C445E	.314x.512x1.818	



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3	855 C.I. (14.0L) CUMMINS OHV	2 VALVE L6
4	1175 C.I. (19.2L) S6D155 TURBO DIESEL, SA6D155 INTERCOOLED	2 VALVE L6

1 S4D120				4
PART		OE#	PART NO.	NOTES
Guides	Both	6110131311	C8159	.435x.710x3.265
2 495 C.I. (8.1L) CUMMINS OHV DIESEL - 743 (12.2L) TURBO				2/4 VALVE L4/6
PART		OE#	PART NO.	NOTES
Seats	Both		PC1847E-1	1.847x.281x1.562 HI-CHROME
Guides	Both		C1969	.405x.752x3.438
Locks	Both		059-080-526	2 Round-bead 3/8
3 855 C.I. (14.0L) CUMMINS OHV				2 VALVE L6
PART		OE#	PART NO.	NOTES
Valves	Exh. Both	145701 3040830	PS2472 P2472	1.87x.450x7.06 STELLITE 1.87x.450x7.06
Seats	Both	3017759 127930 3032285 127930 3054590	PC2003E-1 PC2003E-1N PC2006E-1 M22006E-1 PC2006E-1N PC2006E-5	2.003x.281x1.687 HI-CHROME “ “ “ HI-NICKEL 2.006x.281x1.687 HI-CHROME “ “ “ TUNGSTEN CARBIDE “ “ “ HI-NICKEL 2.006x.199x1.690 HI-CHROME
Guides	Both	3050369	C7994G C942	.453x.752x3.400 w/o sharp edge .453x.752x3.400 with sharp edge
Locks	Both		059-127-544	2 Round-bead 7/16
Springs	Both	211999 3035996	051-014 051-332	1.24odx .90id* 70Lb.@2.25 1.49odx1.07id* 89Lb.@2.24
4 1175 C.I. (19.2L) S6D155 TURBO DIESEL, SA6D155 INTERCOOLED				2 VALVE L6
PART		OE#	PART NO.	NOTES
Guides	Both		C8160	.433x.710x3.350

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1 122 C.I. (2.0L) DIESEL, V2003 TURBO				L4
PART	OE#	PART NO.	NOTES	
Valves	Int.	P5274	1.32x8mmx4.020	
2 134 C.I. (2.2L) DIESEL, V2203, V2203B				L4
PART	OE#	PART NO.	NOTES	
Valves	Int.	P5274	1.32x8mmx4.020	
	Exh.	P5275	1.12x8mmx4.023	
3 MISCELLANEOUS				
PART	OE#	PART NO.	NOTES	
Guides	Exh.	C124	.315x.513x1.580	

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2	672 C.I. (11.0L) E6350 DIESEL, E6-2V	2 VALVE	L6
3	672 C.I. (11.0L) E6350 DIESEL	4 VALVE	L6
4	END673, ENDT673, ET673, ETA673, END707, END711 DIESEL/TURBO	4 VALVE	L6
5	672 C.I. (11.0L) ENDT675, ETSX675, ET-675 DIESEL	2 VALVE	L6
6	672 C.I. (11.0L) ENDT675, ETSX675, ET-675 DIESEL	2 VALVE	L6
7	672 C.I. (11.0L) E7 DIESEL	4 VALVE	L6
8	672 C.I. (11.0L) E7-ETECH & ASET DIESEL	4 VALVE	L6
9	707 C.I. (11.6L) E9, EM9 DIESEL	2 VALVE	L6
10	864 C.I. (14.2L) EN-864 DIESEL	2 VALVE	L8

1	209.5 C.I. (3.4L) EN-11/EN-12			2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Guides	Both	714GB199A	C1515	.342x.657x2.563	
Locks	Exh.		059-117-060	Single-groove 11/32	
2	672 C.I. (11.0L) E6350 DIESEL, E6-2V			2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	690GC2193	P3139X	2.24x1/2x6.86	
	Exh.	688GC337A	PS3173	1.89x1/2x6.86	
			PS3173A	1.89x1/2x6.86	
Seats	Int.	13GC2247P1	PC2444E-1	2.444x.299x2.046 HI-CHROME	
			M22444E-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.	13GC2247P1	PC2088E-1	2.088x.299x1.692 HI-CHROME	
			M22088E-1	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	714GB1309	C1810	.501x.688x3.500 - use w/ P3139X & PS3173	
		714GB210P2	C7592	.494x.688x3.500 - LATE	
		714GB217P4	C7612	.494x.688x3.500 - EARLY	
Seals	Exh.	446GC279	UV0339-F0	.500x.665 “Viton”	
Locks	Both	54GC136	059-54GC126	Single-groove 7/16	
3	672 C.I. (11.0L) E6350 DIESEL			4 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	690GC2210	PV2441X	1.69x3/8x6.96	
	Exh.	688GC2378	PV2440	1.57x3/8x6.87	
Seats	Int.	136C2251P1	PC1831E-1	1.831x.280x1.555 HI-CHROME	
			M21831E-1	“ “ “ TUNGSTEN CARBIDE	
Guides	Both	714GB222P2	C8010	.375x.688x3.155	
		714GB217P2	C8008	.437x.688x3.146 - Use w/ early style .4375 stem valve	
Seals	Both	446GC296	375674	.375x.674	
Locks	Both	54GC25	059-836-000	Single-groove 3/8	

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4 END673, ENDT673, ET673, ETA673, END707, END711 DIESEL/TURBO 4 VALVE L6

PART		OE#	PART NO.	NOTES
Valves	Int.	690GC2187	P2214	2.25x1/2x6.87
	Exh.	688GC2325	PS2865	1.89x1/2x6.86
Seats	Int.	13GC1239P1	PC2444E-1 M22444E-1	2.444x.299x2.046 HI-CHROME “ “ “ TUNGSTEN CARBIDE
	Exh.	13GC1238P1	PC2088E-1 M22088E-1	2.088x.299x1.692 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Both	714GB1308P2	C1809 C7903	.500x.688x3.500 - use w/ P2214 & PS2865 .500x.688x3.500 - C1809 w/ groove
		714GB210P2	B809 C7592	.500x.688x3.500 - BRONZE .494x.688x3.500
Seals	Exh.	446GC279	UV0339-F0	.500x.665 “Viton”

5 672 C.I. (11.0L) ENDT675, ETSX675, ET-675 DIESEL 2 VALVE L6

PART		OE#	PART NO.	NOTES
Valves	Int.	690GC2187	P2214	2.25x1/2x6.87
	Exh.	690GC2193 688GC2325 688GC337	P3139X PS2865 PS3173 PS3173A	2.24x1/2x6.86 1.89x1/2x6.86 1.89x1/2x6.86 1.89x1/2x6.86
Seats	Int.	13GC1239P1	PC2444E-1 M22444E-1	2.444x.299x2.046 HI-CHROME “ “ “ TUNGSTEN CARBIDE
	Exh.	13GC1238P1	PC2088E-1 M22088E-1	2.088x.299x1.692 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Both	714GB1308P2	C1809 B809	.500x.688x3.500 - use w/ P2214 & PS2865 .500x.688x3.500 BRONZE
		714GB1309 714GB210P2	C1810 C7592 C7903	.501x.688x3.500 - use w/ P3139X & PS3173 .494x.688x3.500 .500x.688x3.500
Seals	Exh.	446GC279	UV0339-F0	.500x.665 “Viton”
Locks	Both	54GC126	059-54GC126	Single-groove 7/16

6 672 C.I. (11.0L) ENDT676, ETSX676, ET-675 DIESEL 2 VALVE L6

PART		OE#	PART NO.	NOTES
Valves	Int.	690GC331A	P3139X	2.24x1/2x6.86
	Exh.	388GC2364	PS3173 PS3173A	1.89x1/2x6.86 1.89x1/2x6.86
Seats	Int.	13GC1239P1	PC2444E-1 M22444E-1	2.444x.299x2.046 HI-CHROME “ “ “ TUNGSTEN CARBIDE
	Exh.	13GC1238P1	PC2088E-1 M22088E-1	2.088x.299x1.692 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Both	714GB1309 714GB1308P2	C1810 C1809 C7903	.501x.688x3.500 - use w/ P3139X & PS3173 .500x.688x3.500 .500x.688x3.500 - C1809 w/ groove
		714GB210P2 714GB217P4	B809 C7592 C7612	.500x.688x3.500 BRONZE .494x.688x3.500 - LATE .494x.688x3.500 - EARLY
Seals	Exh.	446GC279	UV0339-F0	.500x.665 “Viton”
Locks	Both	54GC126	059-54GC126	Single-groove 7/16

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7 672 C.I. (11.0L) E7 DIESEL				4 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	690GC2210	PV2441X	1.69x3/8x6.96	
	Exh.	688GC2378	PV2440	1.57x3/8x6.87	
Seats	Int.	13GC2251P1	PC1831E-1 M21831E-1	1.831x.280x1.555 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
Guides	Both	714GB3103P2	C8010	.375x.688x3.155	
		714GB217P2	C8008	.437x.688x3.146 - use w/ .437 stem valve	
Seals	Both	446GC296	375674	.375x.674	
Locks	Both	54GC25	059-836-000	Single-groove 3/8	
Springs	Both	575GC1115	050-1466	1.04odx0.80id* 17Lb.@2.50 INNER	
		575GC36	050-1467	1.43odx1.06id* 48Lb.@2.60 OUTER	
8 672 C.I. (11.0L) E7- ETECH & ASET DIESEL				4 VALVE	L6
PART		OE#	PART NO.	NOTES	
Guides	Both	714GB3103P2	C8010	.375x.688x3.155	
Seals	Both	446GC332	375590	.375x.590 “Viton”	
		446GC328	375674	.375x.674	
Locks	Both	54GC25	059-836-000	Single-groove 3/8	
Springs	Both	575GC1115	050-1466	1.04odx0.80id* 17Lb.@2.50	
		575GC36	050-1467	1.43odx1.06id* 48Lb.@2.60	
9 707 C.I. (11.6L) E9, EM9 DIESEL				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Guides	Both	714GB3103P2	C8010	.375x.688x3.155	
10 864 C.I. (14.2L) EN-864 DIESEL				2 VALVE	L8
PART		OE#	PART NO.	NOTES	
Seats	Int.	13GC2234P1	PC2444E-1	2.444x.299x2.046 HI-CHROME	
			M22444E-1	“ “ “ TUNGSTEN CARBIDE	
	Exh.	13GC2247P1	PC2088E-1	2.088x.299x1.692 HI-CHROME	
			M22088E-1	“ “ “ TUNGSTEN CARBIDE	



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24	372 C.I. (6.1L) PERKINS DIESEL 6.372.4 - SEE PERKINS	L6

MERCEDES BENZ

1 5657cc, 345 C.I. (5.7L) DIRECT INJECTED DIESEL "OM352" - 366 OM/TURBO

PART		OE#	PART NO.	NOTES
Valves	Int.	3660500326	P5106	1.65x9mmx5.53
	Exh.	3660500227	P5107	1.41x10mmx5.53
Guides	Int.	3520531229	C729	.350x.592x2.840
			C3071B	.350x.592x2.840
	Exh.	A3660530230	C730	.390x.592x2.640
			C3072B	.390x.592x2.640

2 MBE 904/906

PART		OE#	PART NO.	NOTES
Guides	Both		C906	.314x.552x2.365



MINNEAPOLIS MOLINE - OLIVER - WHITE FANG

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1 66-141 C.I. NXB, IXB/C/B3/B5, IXLB HERCULES				L2/4
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1500-1N	1.500x.218x1.250 HI-NICKEL
2 144, 216 C.I. WAUKESHA				L4/6
PART		OE#	PART NO.	NOTES
Seats	Exh.		PC1187-1 M21187-1 PC1375-4 M21375-4 PC1375-8 M21375-8	1.187x.187x1.000 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.375x.187x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.375x.187x1.000 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Int. Exh. Both		C1954 C1953 C1947	.374x.626x3.188 .374x.626x2.313 .374x.626x2.500
Locks	Both		059-080-526	2 Round-bead 3/8
3 165, 206H/L, D206				L4
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1562-6N	1.562x.218x1.250 HI-NICKEL
4 231, 265 C.I. GAS & LPG WAUKESHA				L6
PART		OE#	PART NO.	NOTES
Guides	Int. Exh.	156159A 106620A	C1951 C1927	.374x.626x2.781 .374x.626x2.625

MINNEAPOLIS MOLINE - OLIVER - WHITE FANG

5 231 C.I. (3.8L) DIESEL WAUKESHA				L6
PART	OE#	PART NO.	NOTES	
Guides	Int. Exh.	180009D 106620A	C1954 C1927 C1953	.374x.626x3.188 .374x.626x2.625 .374x.626x2.313
6 283 C.I. (4.6L) DIESEL WAUKESHA - 1655, 1800, 1850				L6
PART	OE#	PART NO.	NOTES	
Guides	Int. Exh.		C1923 C1924	.374x.626x2.938 .374x.626x2.250
7 283 C.I. (4.6L) - 336 C.I. (5.5L) 336-4 - 605-6A, 1210-12A				4/6/12
PART	OE#	PART NO.	NOTES	
Seats	Int. Exh.		PC1812-5 M21812-5 PC1625-1N	1.812x.250x1.500 HI-CHROME " " " TUNGSTEN CARBIDE 1.625x.218x1.375 HI-CHROME
Guides	Both	10A26421	C7371	.436x.751x3.000
Locks	Both	10A6555	059-127-544	2 Round-bead 7/16
8 403 C.I. (6.6L) 403-4				L4
PART	OE#	PART NO.	NOTES	
Seats	Int. Exh.		PC1812-5 M21812-5 PC1750-9 M21750-9	1.812x.250x1.500 HI-CHROME " " " TUNGSTEN CARBIDE 1.750x.312x1.375 HI-CHROME " " " TUNGSTEN CARBIDE
Guides	Both	10A26421	C7371	.436x.751x3.000
Locks	Both	10A6555	059-127-544	2 Round-bead 7/16
9 425 C.I. (7.0L) LPG				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats	Int. Exh.		PC1812-5 M21812-5 PC1625-1N	1.812x.250x1.500 HI-CHROME " " " TUNGSTEN CARBIDE 1.625x.218x1.375 HI-NICKEL
Guides	Int. Exh.	10A29502 10A29501	C7421 C7420	.437x.751x4.375 .437x.751x3.875
Locks	Both	10A6555	059-127-544	2 Round-bead 7/16
10 800 C.I. (13.1L) HD800-6A				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves	Exh.	10A19206	P2841	2.00x1/2x7.86
Seats	Int.		PC2562-1	2.562x.250x2.187 HI-CHROME
Locks	Both	10A6555	059-127-544	2 Round-bead 7/16

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1 VFA, W4A DIESEL INDUST. - 6AT CUMMINS TURBO DIESEL				L6
PART	OE#	PART NO.	NOTES	
Guides	Int.		C8345	.315x.514x2.256

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13	243 C.I. (4.0L) 1004.40, 1004.40T, TURBO, DIESEL	2 VALVES L4
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17	318 C.I. (5.2L) 4.318, A4.318, 4.318.2 DIESEL	L4
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19	354 C.I. (5.8L) A6.354 DIESEL - ATC6.354 TURBO	2 VALVE L6
20	354 C.I. (5.8L) 6.354.1 DIESEL	L6
21	354 C.I. (5.8L) T6.354.4 DIESEL, 365 C.I. (6.0L) 1006.60/T TURBO	L6
22	365 C.I. (6.0L) T6.601, DIESEL, TURBOCHARGED & N.A. 403 C.I. (6.6L) PERKINS 1100	2 VALVE L6
23	372 C.I. (6.1L) 6.372 - 6.372.4	L6

1 107 C.I. (1.8L) 4.108 DIESEL, A4.107				L4
PART		OE#	PART NO.	NOTES
Guides	Exh.	33261723	C1956	.315x.502x2.438
2 152 C.I. (2.5L) A3.152 DIESEL - D3.152 DIRECT INJECT.				L3
PART		OE#	PART NO.	NOTES
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME
			M21625-1	“ “ “ TUNGSTEN CARBIDE
			PC1880E-1	1.880x.218x1.406 HI-CHROME
	Exh.		PC1437-3N	1.437x.218x1.187 HI-NICKEL
			PC1681E-1	1.681x.312x1.203 HI-CHROME
Guides	Both	33261723	C1956	.315x.502x2.438
Seals	Both		D1710	.311x.531 “Teflon”
Springs	Both	780006	051-068	1.190dx0.92id* 23Lb.@1.50

PERKINS

3 152 C.I. (2.5L) G3.152 GAS				L3
PART	OE#	PART NO.	NOTES	
Springs Both	780006	051-068	1.190dx0.92id* 23Lb.@1.50	
4 152 C.I. (2.5L) T3.152 TURBO DIESEL - 3.152.4 DIESEL				L3
PART	OE#	PART NO.	NOTES	
Guides Exh.	33261723	C1956	.315x.502x2.438	
Springs Both	780006	051-068	1.190dx0.92id* 23Lb.@1.50	
5 159 C.I. (2.6L) PERKINS 700 SERIES, 183 C.I. (3.0L) SERIES, TURBO				L4
PART	OE#	PART NO.	NOTES	
Locks Both		059-841-600	3 Round-bead 7mm	
6 203 C.I. (3.3L) 4.203 DIESEL, D4.203 DIRECT INJECT.				L4
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
		M21625-1	“ “ “ TUNGSTEN CARBIDE	
		PC1880E-1	1.880x.218x1.406 HI-CHROME	
Exh.		PC1437-3N	1.437x.218x1.187 HI-NICKEL	
		PC1681E-1	1.681x.312x1.203 HI-CHROME	
Guides Exh.	33261723	C1956	.315x.502x2.438	
Seals Both		D1710	.311x.531 “Teflon”	
Springs Both	780006	051-068	1.190dx0.92id* 23Lb.@1.50	
7 203 C.I. (3.3L) 4.203.2 DIESEL				L4
PART	OE#	PART NO.	NOTES	
Guides Exh.	33261723	C1956	.315x.502x2.438	
Springs Both	780006	051-068	1.190dx0.92id* 23Lb.@1.50	
8 212 C.I. (3.5L) 4.212 DIESEL				L4
PART	OE#	PART NO.	NOTES	
Valves Int.	31431641	P2468	1.74x3/8x4.84	
Exh.	3142A052	P2467N	1.44x3/8x4.85 NITRIDED	
Guides Int.	3343F002	C1976	.375x.626x2.281	
Exh.	3343J002	C1977	.375x.626x2.406	
9 236 C.I. (3.9L) 4.236 DIESEL				L4
PART	OE#	PART NO.	NOTES	
Valves Int.	31431641	P2468	1.74x3/8x4.84	
Exh.		P2467	1.44x3/8x4.85	
	3142A052	P2467N	1.44x3/8x4.85 NITRIDED	
Guides Int.	3343F002	C1976	.375x.626x2.281	
Exh.	3343J002	C1977	.375x.626x2.406	
10 236 C.I. (3.9L) G4.236				L4
PART	OE#	PART NO.	NOTES	
Seats Int.		PC1875-19	1.875x.218x1.562 HI-CHROME	
		M21875-19	“ “ “ TUNGSTEN CARBIDE	
		PC2018E-1	2.018x.281x1.593 HI-CHROME	
		M22018E-1	“ “ “ TUNGSTEN CARBIDE	
Exh.		PC1562-6N	1.562x.218x1.250 HI-NICKEL	
	33152154	PC1690E-1	1.690x.375x1.250 HI-CHROME RECESSED	
		M21690E-1	“ “ “ TUNGSTEN CARBIDE	

PERKINS

10 236 C.I. (3.9L) G4.236 (CONT.)				L4
PART	OE#	PART NO.	NOTES	
Guides	Int.	3343F002	C1976	.375x.626x2.281
	Exh.	3343J002	C1977	.375x.626x2.406
Seals	Both		UVO514-HO	.374x.563 "Viton"
11 236 C.I. (3.9L) C4.236 DIESEL, T4.236 - 4.248.2, 6.354.2 DIESEL				L4/6
PART	OE#	PART NO.	NOTES	
Valves	Exh.	3142A052	P2467	1.44x3/8x4.85
			P2467N	1.44x3/8x4.85 NITRIDED
Guides	Int.		C1976	.375x.626x2.281
	Exh.		C1977	.375x.626x2.406
12 236 C.I. (3.9L) A4.236 DIESEL				L4
PART	OE#	PART NO.	NOTES	
Valves	Int.	31431641	P2468	1.74x3/8x4.84
	Exh.	31431109	P2467	1.44x3/8x4.85
			P2467N	1.44x3/8x4.85 NITRIDED
Seats	Int.		PC1875-19	1.875x.218x1.562 HI-CHROME
			M21875-19	" " " TUNGSTEN CARBIDE
			PC2018E-1	2.018x.281x1.593 HI-CHROME
			M22018E-1	" " " TUNGSTEN CARBIDE
	Exh.	33152154	PC1562-6N	1.562x.218x1.250 HI-NICKEL
			PC1690E-1	1.690x.375x1.250 HI-CHROME RECESSED
			M21690E-1	" " " TUNGSTEN CARBIDE
Guides	Int.	33261732	C1976	.375x.626x2.281
	Exh.	33261752	C1977	.375x.626x2.406
Seals	Both		1812C	.372x.562 "Teflon"
13 243 C.I. (4.0L) 1004.40, 1004.40T, TURBO, DIESEL				2 VALVES L4
PART	OE#	PART NO.	NOTES	
Guides	Int.		C1976	.375x.626x2.281
	Exh.		C1977	.375x.626x2.406
14 243 C.I. (4.0L) 4.401/T4.401, 1004.42/4.421, DIESEL, TURBOCHARGED AND N.A.				2 VALVES L4
PART	OE#	PART NO.	NOTES	
Seals	Exh.		354553	.354x.552 "Viton"
15 248 C.I. (4.2L) 4.248 DIESEL				L4
PART	OE#	PART NO.	NOTES	
Valves	Int.	31431641	P2468	1.74x3/8x4.84
	Exh.	3142A052	P2467	1.44x3/8x4.85
			P2467N	1.44x3/8x4.85 NITRIDED
Seats	Int.		PC1875-19	1.875x.218x1.562 HI-CHROME
			M21875-19	" " " TUNGSTEN CARBIDE
			PC2018E-1	2.018x.281x1.593 HI-CHROME
			M22018E-1	" " " TUNGSTEN CARBIDE
	Exh.	33152154	PC1562-6N	1.562x.218x1.250 HI-NICKEL
			PC1690E-1	1.690x.375x1.250 HI-CHROME RECESSED
			M21690E-1	" " " TUNGSTEN CARBIDE
Guides	Int.	795713R1	C1976	.375x.626x2.281
	Exh.	796122R1	C1977	.375x.626x2.406

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16 305 C.I. (5.0L) 6.305 DIESEL				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Seats	Int.		PC1625-1	1.625x.218x1.375 HI-CHROME	
	Exh.		M21625-1	“ “ “ TUNGSTEN CARBIDE	
			PC1880E-1	1.880x.218x1.406 HI-CHROME	
			PC1437-3N	“ “ “ HI-NICKEL	
			PC1681E-1	1.681x.312x1.203 HI-CHROME	
Guides	Both	33261723	C1956	.315x.502x2.438	
Seals	Both		D1710	.311x.531 “Teflon”	
Springs	Both	780006	051-068	1.190dx0.92id* 23Lb.@1.50	
17 318 C.I. (5.2L) 4.318, A4.318, 4.318.2 DIESEL					L4
PART		OE#	PART NO.	NOTES	
Guides	Both	33432532	C7450	.375x.627x2.650	
18 354 C.I. (5.8L) D6.354, 6.354 DIESEL - T6.354 TURBO				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Exh.	3142A052	P2467 P2467N	1.44x3/8x4.85 1.44x3/8x4.85	
Seats	Int.	33152154	PC1875-19	1.875x.218x1.562 HI-CHROME	
	Exh.		M21875-19	“ “ “ TUNGSTEN CARBIDE	
			PC2018E-1	2.018x.281x1.593 HI-CHROME	
			M22018E-1	“ “ “ TUNGSTEN CARBIDE	
			PC1562-6N	1.562x.218x1.250 HI-NICKEL	
			PC1690E-1	1.690x.375x1.250 HI-CHROME RECESSED	
	M21690E-1	“ “ “ TUNGSTEN CARBIDE			
Guides	Int.		C1976	.375x.626x2.281	
	Exh.		C1977	.375x.626x2.406	
Seals	Both		55834	.341x.565 “Viton”	
			57004	.341x.565 “Poly”	
19 354 C.I. (5.8L) A6.354 DIESEL - ATC6.354 TURBO				2 VALVE	L6
PART		OE#	PART NO.	NOTES	
Valves	Int.	31431641	P2468	1.74x3/8x4.84	
	Exh.	31431109	P2467	1.44x3/8x4.85	
			P2467N	1.44x3/8x4.85 NITRIDED	
Seats	Int.	33152154	PC1875-19	1.875x.218x1.562 HI-CHROME	
	Exh.		M21875-19	“ “ “ TUNGSTEN CARBIDE	
			PC2018E-1	2.018x.281x1.593 HI-CHROME	
			M22018E-1	“ “ “ TUNGSTEN CARBIDE	
			PC1562-6N	1.562x.218x1.250 HI-NICKEL	
			PC1690E-1	1.690x.375x1.250 HI-CHROME RECESSED	
	M21690E-1	“ “ “ TUNGSTEN CARBIDE			
Guides	Both		C1976	.375x.626x2.281	
			C1977	.375x.626x2.406	
Seals	Both		57004	.341x.565 “Poly”	
			55834	.341x.565 “Viton”	

PERKINS

20 354 C.I. (5.8L) 6.354.1 DIESEL L6			
PART	OE#	PART NO.	NOTES
Seats	Int. Exh. 33152154	PC1875-19	1.875x.218x1.562 HI-CHROME
		M21875-19	“ “ “ TUNGSTEN CARBIDE
		PC2018E-1	2.018x.281x1.593 HI-CHROME
		M22018E-1	“ “ “ TUNGSTEN CARBIDE
		PC1562-6N	1.562x.218x1.250 HI-NICKEL
		PC1690E-1	1.690x.375x1.250 HI-CHROME RECESSED
		M21690E-1	“ “ “ TUNGSTEN CARBIDE
Guides	Int.	C1976	.375x.626x2.281
	Exh.	C1977	.375x.626x2.406
21 354 C.I. (5.8L) T6.354.4 DIESEL, 365 C.I. (6.0L) 1006.60/T TURBO L6			
PART	OE#	PART NO.	NOTES
Guides	Int.	C1976	.375x.626x2.281
	Exh.	C1977	.375x.626x2.406
22 365 C.I. (6.0L) T6.601, DIESEL, TURBOCHARGED & N.A. 403 C.I. (6.6L) PERKINS 1100 2 VALVE L6			
PART	OE#	PART NO.	NOTES
Seals	Exh.	354553	.354x.552 “Viton”
23 372 C.I. (6.1L) 6.372 - 6.372.4 L6			
PART	OE#	PART NO.	NOTES
Valves	Int.	P2468	1.74x3/8x4.84
	Exh.	P2467N	1.44x3/8x4.85 - 6.372 ONLY
Guides	Int.	C1976	.375x.626x2.281
	Exh.	C1977	.375x.626x2.406



SUPERIOR

1 6597 C.I. (108.1L) G825 NATURAL GAS, NATURALLY ASPIRATED				L8
PART	OE#	PART NO.	NOTES	
Guides	Both	C6479	.874x1.37x6.125	
		C6929	.874x1.37x6.125	

WAUKESHA

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5	818 C.I. (13.4L) 145GZB - F817G	2 VALVE	L6
6	1196 C.I. (19.6L) 6WAKBC - F1197G	2 VALVE	L4
7	2895 C.I. (47.4L) F2895D - L7042G - P9390G	2 VALVE	6/12/16
8	MISCELLANEOUS		L6

1 144 C.I. (2.4L) 180GKB				L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1562-1	1.562x.218x1.312 HI-CHROME	
		M21562-1	" " " TUNGSTEN CARBIDE	
		PC1500-3	1.500x.250x1.250 HI-CHROME	
		M21500-3	" " " TUNGSTEN CARBIDE	
Guides	Int.	106608A	C1947	
	Exh.	181109-K	C1953	
Locks	Both	B6466-A	059-080-526	
2 155 C.I. (2.5L) VRG155				L4
PART	OE#	PART NO.	NOTES	
Seats	Int.	PC1562-1	1.562x.218x1.312 HI-CHROME	
		M21562-1	" " " TUNGSTEN CARBIDE	
		PC1500-3	1.500x.250x1.250 HI-CHROME	
		M21500-3	" " " TUNGSTEN CARBIDE	
Guides	Int.	222209	C1952	
	Exh.	224609C	C7398	
Locks	Both	106609A	C1953	
	Both	B-367-R	059-080-526	

WAUKESHA

3 180, 185 SERIES				L4/6
PART	OE#	PART NO.	NOTES	
Seats Both		PC1437-3 M21437-3	1.437x.218x1.187 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
4 554 C.I. (9.1L) 140GZB				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Seats Exh.		PC1750-0 M21750-0	1.750x.375x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE	
5 818 C.I. (13.4L) 145GZB - F817G				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Int.	145436-A	P145436C	2.557x1/2x8.125	
Exh.	145336-A	P145336A	2.005x1/2x8.203	
6 1196 C.I. (19.6L) 6WAKBC - F1197G				2 VALVE L6
PART	OE#	PART NO.	NOTES	
Valves Int.	123036-L	P123036L	2.650x1/2x8.859	
7 2895 C.I. (47.4L) F2895D - L7042G - P9390G				2 VALVE 6/12/16
PART	OE#	PART NO.	NOTES	
Guides Int.	204109-E	C8011	.555x1.00x5.188	
		C8011A	.561x1.00x5.188	
Exh.	204109-C	C7892	.555x1.00x5.188	
		C7892A	.560x1.00x5.188	
8 MISCELLANEOUS				L6
PART	OE#	PART NO.	NOTES	
Valves Int.	155887AV	P5041	1.50x3/8x5.406	
Exh.		P2653	1.39x3/8x5.460	
		P5058A	1.30x3/8x4.960	
		P123236A	2.218x1/2x8.906	
Guides Int.	158786A	C1954	.374x.626x3.188	
-		C5898	.374x.626x2.406	
-		C6774	.374x.626x2.625	
-		C7389	.374x.626x2.406	
	224609C			

WISCONSIN

1 19 C.I. (0.03L) AD, ADH - AE, AEH, AEM, AEN				L1
PART		OE#	PART NO.	NOTES
Valves	Both	AE-75-C	P1872A	1.31x5/16x4.77
Seats	Both		PC1375-5 M21375-5	1.375x.265x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Locks	Both	AH-9	059-614-200	Single-groove 8mm
2 46 C.I. (0.08L) TE, TED, VE4, VE41, VE4D				L2
PART		OE#	PART NO.	NOTES
Valves	Exh. Both	AE-75-D AE-75-C	PS1872 P1872A	1.25x5/16x4.77 STELLITE 1.31x5/16x4.77
Seats	Both		PC1375-5 M21375-5	1.375x.265x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Guides	Both		C1907	.313x.439x1.813
Locks	Both	AH-9	059-614-200	Single-groove 8mm
3 TF, TFD, TH, THD, TJD - VF4, VF4D, VH4, VH4D, VH4DM				L2/4
PART		OE#	PART NO.	NOTES
Valves	Exh. Both	AE-75-D AE-75-C	PS1872 P1872A	1.25x5/16x4.77 STELLITE 1.31x5/16x4.77
Seats	Both		PC1375-5 M21375-5	1.375x.265x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE
Locks	Both	AH-9	059-614-200	Single-groove 8mm
4 154 C.I. (2.5L) V460D, 461D - V465				L4
PART		OE#	PART NO.	NOTES
Seats	Int. Exh.		PC1625-2 M21625-2 PC1375-5 M21375-5	1.625x.250x1.375 HI-CHROME “ “ “ TUNGSTEN CARBIDE 1.375x.265x1.125 HI-CHROME “ “ “ TUNGSTEN CARBIDE
5 AG/H/HD/M/N/ND, VG/4D, VM4/D, VP4/D				L1/4
PART		OE#	PART NO.	NOTES
Locks	Both		059-614-200	Single-groove 8mm
6 154 C.I. (2.5L) INDUSTRIAL				L4
PART		OE#	PART NO.	NOTES
Guides	Both		C5001	.312x.439x2.500
7 MISCELLANEOUS				L4
PART		OE#	PART NO.	NOTES
Valves	Exh.	AE-88-D	PS2829	1.31x11/32x4.40

WITTE

1 “C” ENGINE				
PART		OE#	PART NO.	NOTES
Guides	Both		C6528	.437x.852x4.188