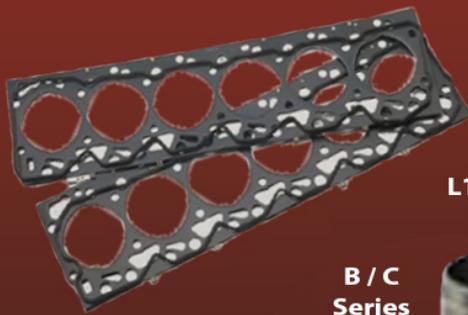




**INTERSTATE-McBEE**



**Parts for  
CUMMINS®  
ENGINES**



**L10 / N14  
Series**

**KT  
Series**

**NT / VT  
Series**

**B / C  
Series**



**N14 / ISX  
Series**



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For more information, visit [www.jefra.com.ph](http://www.jefra.com.ph)

## B-SERIES ENGINE KIT REFERENCE

Line	★	Bore	Engine Kit	Piston Kit	Piston	Ring Set	Pin
1	✓	STD	IF/OH3802060-4B	M-3802060	M-3906223	M-3802040	M-3934048
		.5mm	IF/OH3802062-4B	M-3802062	M-3906209	M-3802042	
		1.0mm	IF/OH3802064-4B	M-3802064	M-3906208	M-3802044	
2	✓	STD	IF/OH3802060-6B	M-3802060	M-3906223	M-3802040	M-3934048
		.5mm	IF/OH3802062-6B	M-3802062	M-3906209	M-3802042	
		1.0mm	IF/OH3802064-6B	M-3802064	M-3906208	M-3802044	
3	✓	STD	IF/OH3802030-4B	M-3802030	M-3903579	M-3802421	M-3934048
		.5mm	IF/OH3802032-4B	M-3802032	M-3903656	M-3802422	
		1.0mm	IF/OH3802034-4B	M-3802034	M-3903655	M-3802234	
4	✓	STD	IF/OH3802030-6B	M-3802030	M-3903579	M-3802421	M-3934048
		.5mm	IF/OH3802032-6B	M-3802032	M-3903656	M-3802422	
		1.0mm	IF/OH3802034-6B	M-3802034	M-3903655	M-3802234	
5	✓	STD	IF/OH3802090-4B	M-3802090	M-3903582	M-3802421	M-3934048
		.5mm	IF/OH3802092-4B	M-3802092	M-3908035	M-3802422	
		1.0mm	IF/OH3802094-4B	M-3802094	M-3908036	M-3802234	
6	✓	STD	IF/OH3802090-6B	M-3802090	M-3903582	M-3802421	M-3934048
		.5mm	IF/OH3802092-6B	M-3802092	M-3908035	M-3802422	
		1.0mm	IF/OH3802094-6B	M-3802094	M-3908036	M-3802234	
7	✓	STD	IF/OH3802100-4B	M-3802100	M-3907156	M-3802421	M-3934048
		.5mm	IF/OH3802102-4B	M-3802102	M-3907157	M-3802422	
		1.0mm	IF/OH3802104-4B	M-3802104	M-3907158	M-3802234	
8	✓	STD	IF/OH3802100-6B	M-3802100	M-3907156	M-3802421	M-3934048
		.5mm	IF/OH3802102-6B	M-3802102	M-3907157	M-3802422	
		1.0mm	IF/OH3802104-6B	M-3802104	M-3907158	M-3802234	
9	✓	STD	IF/OH3802160-4B	M-3802160	M-3907163	M-3802421	M-3934048
		.5mm	IF/OH3802132-4B	M-3802132	M-3908815	M-3802422	
		1.0mm	IF/OH3802134-4B	M-3802134	M-3908816	M-3802234	
10	✓	STD	IF/OH3802160-6B	M-3802160	M-3907163	M-3802421	M-3934048
		.5mm	IF/OH3802132-6B	M-3802132	M-3908815	M-3802422	
		1.0mm	IF/OH3802134-6B	M-3802134	M-3908816	M-3802234	
11	✓	STD	IF/OH3802170-6B	M-3802170	M-3911400	M-3802421	M-3934048
		.5mm	IF/OH3802172-6B	M-3802172	M-3912049	M-3802422	
		1.0mm	IF/OH3802174-6B	M-3802174	M-3912050	M-3802234	
12	✓	STD	IF/OH3802251-6B	M-3802251	M-3917619	M-3802421	M-3934047
		.5mm	IF/OH3802252-6B	M-3802252	M-3919047	M-3802422	
		1.0mm	IF/OH3802253-6B	M-3802253	M-3919048	M-3802234	
13	✓	STD	IF/OH3802248-6B	M-3802248	M-3919041	M-3802421	M-3934047
		.5mm	IF/OH3802249-6B	M-3802249	M-3919044	M-3802422	
		1.0mm	IF/OH3802250-6B	M-3802250	M-3919045	M-3802234	
14	✓	STD	IF/OH3802487-6B	M-3802487	M-3922571	M-3802421	M-3934047
		.5mm	IF/OH3802493-6B	M-3802493	M-3922574	M-3802422	
		1.0mm	IF/OH3802495-6B	M-3802495	M-3922575	M-3802234	
15		STD	<i>In Development</i>	M-3802488	M-3922577	M-3802421	M-3934047
		.5mm		M-3802494	M-3922580	M-3802422	
		1.0mm		M-3802496	M-3922581	M-3802234	

★ = Connecting rod type required for proper bearings.

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## B-SERIES ENGINE KIT REFERENCE

Line	★	Bore	Engine Kit	Piston Kit	Piston	Ring Set	Pin
16	✓	STD	IF/OH3802561-4B	M-3802561	M-3926631	M-3802421	M-3934047
		.5mm	IF/OH3802564-4B	M-3802564	M-3926634	M-3802422	
		1.0mm	IF/OH3802565-4B	M-3802565	M-3926635	M-3802234	
17	✓	STD	IF/OH3802561-6B	M-3802561	M-3926631	M-3802421	M-3934047
		.5mm	IF/OH3802564-6B	M-3802564	M-3926634	M-3802422	
		1.0mm	IF/OH3802565-6B	M-3802565	M-3926635	M-3802234	
18		STD	<i>In Development</i>	M-3802626	M-3928398	M-3802421	M-3934047
		.5mm		M-3802627	M-3928399	M-3802422	
		1.0mm		M-3802628	M-3928400	M-3802234	
19	✓	STD	IF/OH3802747-4B	M-3802747	M-3928673	M-3802421	M-3934047
		.5mm	IF/OH3802764-4B	M-3802764	M-3928674	M-3802422	
		1.0mm	IF/OH3802765-4B	M-3802765	M-3928675	M-3802234	
20	✓	STD	IF/OH3802747-6B	M-3802747	M-3928673	M-3802421	M-3934047
		.5mm	IF/OH3802764-6B	M-3802764	M-3928674	M-3802422	
		1.0mm	IF/OH3802765-6B	M-3802765	M-3928675	M-3802234	
21	✓	STD	IF/OH3802757-4B	M-3802757	M-3930187	M-3802750	M-3934047
		.5mm	IF/OH3802758-4B	M-3802758	M-3930188	M-3802863	
		1.0mm	IF/OH3802759-4B	M-3802759	M-3930189	M-3802864	
22	✓	STD	IF/OH3802757-6B	M-3802757	M-3930187	M-3802750	M-3934047
		.5mm	IF/OH3802758-6B	M-3802758	M-3930188	M-3802863	
		1.0mm	IF/OH3802759-6B	M-3802759	M-3930189	M-3802864	
23		STD	<i>Use Line #19 in full sets</i>	M-3804980	M-3932514	M-3804930	M-3934047
		.5mm		M-3804981	M-3933581	M-3804931	
		1.0mm		M-3804982	M-3933582	M-3804932	
24	✓	STD	IF/OH3800756-4B	M-3800756	M-3935591	M-3802831	M-3934047
		.5mm	IF/OH3800761-4B	M-3800761	M-3935594	M-3806229	
		1.0mm	IF/OH3800760-4B	M-3800760	M-3935595	M-3806230	
25	✓	STD	IF/OH3800756-6B	M-3800756	M-3935591	M-3802831	M-3934047
		.5mm	IF/OH3800761-6B	M-3800761	M-3935594	M-3806229	
		1.0mm	IF/OH3800760-6B	M-3800760	M-3935595	M-3806230	
26	✓	STD	<i>In Development</i>	M-3802760	M-3930314	M-3802750	M-3934047
		.5mm		M-3802761	M-3930466	M-3802863	
		1.0mm		M-3802762	M-3930467	M-3802864	
27	✓	STD	IF/OH3800323	M-3800323	M-3948471	M-3802919	M-3934047
		.5mm	IF/OH3800326	M-3800326	M-3948474	M-3802917	
		1.0mm	IF/OH3800327	M-3800327	M-3948475	M-3802918	
28	✓	STD	IF/OH3800781	M-3800781	M-3946153	M-3804990	M-3934047
		.5mm	IF/OH3800784	M-3800784	M-3946156	M-3806201	
		1.0mm	IF/OH3800785	M-3800785	M-3946157	M-3806203	
29	✓	STD	IF/OH3802927	M-3802927	M-3948465	M-3802919	M-3934047
		.5mm	IF/OH3802925	M-3802925	M-3948468	M-3802917	
		1.0mm	IF/OH3802926	M-3802926	M-3948469	M-3802918	
30		STD	IF/OH4089669	M-4089669	M-3970192	M-4089258	M-3934047
		.5mm	IF/OH4089670	M-4089670	M-3970126	M-4089181	
		1.0mm	IF/OH4089671	M-4089671	M-3970127	M-4089182	

★ = Connecting rod type required for proper bearings.

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## B-SERIES ENGINE KIT REFERENCE

Line	★	Bore	Engine Kit	Piston Kit	Piston	Ring Set	Pin
31		STD	IF/OH4089950/Q	M-4089950	M-3965497	M-4089258	M-3934047
		.5mm	IF/OH4089976/Q	M-4089976	M-3966675	M-4089181	
		1.0mm	IF/OH4089977/Q	M-4089977	M-3966676	M-4089182	
32		STD	IF/OH4089950RGT	M-4089950	M-3965497	M-4089258	M-3934047
		.5mm	IF/OH4089976RGT	M-4089976	M-3966675	M-4089181	
		1.0mm	IF/OH4089977RGT	M-4089977	M-3966676	M-4089182	
33		STD	IF/OH4089950RGT-4B	M-4089950	M-3965497	M-4089258	M-3934047
		.5mm	IF/OH4089976RGT-4B	M-4089976	M-3966675	M-4089181	
		1.0mm	IF/OH4089977RGT-4B	M-4089977	M-3966676	M-4089182	
34		STD	IF/OH4089260	M-4089260	M-3958675	M-4089258	M-3934047
		.5mm	IF/OH4089185	M-4089185	M-3949843	M-4089181	
		1.0mm	IF/OH4089186	M-4089186	M-3949844	M-4089182	
35		STD	IF/OH4089260RGT	M-4089260	M-3958675	M-4089258	M-3934047
		.5mm	IF/OH4089185RGT	M-4089185	M-3949843	M-4089181	
		1.0mm	IF/OH4089186RGT	M-4089186	M-3949844	M-4089182	
36		STD	IF/OH4025011	M-4025011	M-3972884	M-4089258	M-3934047
		.5mm	IF/OH4089420	M-4089420	M-3972885	M-4089181	
		1.0mm	IF/OH4089421	M-4089421	M-3972886	M-4089182	
37		STD	IF/OH4025011-4B	M-4025011	M-3972884	M-4089258	M-3934047
		.5mm	IF/OH4089420-4B	M-4089420	M-3972885	M-4089181	
		1.0mm	IF/OH4089421-4B	M-4089421	M-3972886	M-4089182	
38		STD	IF/OH4025072	M-4025072	M-3972880	M-4089258	M-3934047
	✓	.5mm	IF/OH4089422	M-4089422	M-3972881	M-4089181	
		1.0mm	IF/OH4089423	M-4089423	M-3972882	M-4089182	
39		STD	IF/OH4025072-4B	M-4025072	M-3972880	M-4089258	M-3934047
	✓	.5mm	IF/OH4089422-4B	M-4089422	M-3972881	M-4089181	
		1.0mm	IF/OH4089423-4B	M-4089423	M-3972882	M-4089182	
40		STD	IF/OH3802630/M	M-3802630	M-3922687	M-3802951	M-3934047
	✓	.5mm	IF/OH3806239/M	M-3806239	M-3930489	M-3806241	
		1.0mm	IF/OH3806240/M	M-3806240	M-3930490	M-3806242	
41		STD	IF/OH3802952/M	M-3802952	M-3930503	M-3802951	M-3934047
	✓	.5mm	IF/OH3806249/M	M-3806249	M-3930504	M-3806241	
		1.0mm	IF/OH3806250/M	M-3806250	M-3930505	M-3806242	
42		STD	IF/OH4089461	M-4089461	M-3957416	M-4089460	M-3934047
		.5mm	IF/OH4089618	M-4089618	M-3957417	M-4089614	
		1.0mm	IF/OH4089619	M-4089619	M-3957418	M-4089615	
43		STD	IF/OH4089461-4B	M-4089461	M-3957416	M-4089460	M-3934047
		.5mm	IF/OH4089618-4B	M-4089618	M-3957417	M-4089614	
		1.0mm	IF/OH4089619-4B	M-4089619	M-3957418	M-4089615	
44		STD	IF/OH3957797	M-3957797	M-3957795	M-3938177	M-3934047
		.5mm	IF/OH3957799	M-3957799	M-3957798	M-3938197	
		1.0mm	IF/OH3957801	M-3957801	M-3957800	M-3938199	

★ = Connecting rod type required for proper bearings.

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## B-SERIES ENGINE KIT REFERENCE

Line	★	Bore	Engine Kit	Piston Kit	Piston	Ring Set	Pin	
45		STD	IF/OH3957797-4B	M-3957797	M-3957795	M-3938177	M-3934047	
		.5mm	IF/OH3957799-4B	M-3957799	M-3957798	M-3938197		
		1.0mm	IF/OH3957801-4B	M-3957801	M-3957800	M-3938199		
46		STD	IF/OH3806270	M-3806270	M-3926990	M-3802421	M-3934047	
	✓	.5mm	IF/OH3806271	M-3806271	M-3926991	M-3802422		
		1.0mm	IF/OH3806272	M-3806272	M-3926992	M-3802234		
47		STD	IF/OH3806270-4B	M-3806270	M-3926990	M-3802421	M-3934047	
	✓	.5mm	IF/OH3806271-4B	M-3806271	M-3926991	M-3802422		
		1.0mm	IF/OH3806272-4B	M-3806272	M-3926992	M-3802234		
48		STD	IF/OH4955337	M-4955337	M-4939181	M-4955169	M-4931041	
		.5mm	IF/OH4955642	M-4955642	M-4943264	M-4955641		
49		STD	IF/OH4955337-4B	M-4955337	M-4939181	M-4955169	M-4931041	
		.5mm	IF/OH4955642-4B	M-4955642	M-4943264	M-4955641		
50		STD	IF/OH4955365	M-4955365	M-4938619	M-4955366	M-4931041	
		.5mm	IF/OH4956007	M-4956007	M-4938620	M-4955480		
51		STD	IF/OH4955365-4B	M-4955365	M-4938619	M-4955366	M-4931041	
		.5mm	IF/OH4956007-4B	M-4956007	M-4938620	M-4955480		
52		STD	IF/OH4955160	M-4955160	M-4934860	M-4955169	M-4931041	
		.5mm	IF/OH4955481	M-4955481	M-4934816	M-4955480		
53		STD	IF/OH4955160-4B	M-4955160	M-4934860	M-4955169	M-4931041	
		.5mm	IF/OH4955481-4B	M-4955481	M-4934816	M-4955480		
54		STD		M-4089726	M-3969036	M-4089724	M-3939374	
		.5mm	<i>In Development</i>	M-4089737	M-3970840	M-3804931		
		1.0mm		M-4089738	M-3970841	M-3804932		
55		STD		M-4089462	M-3939398	M-4089460	M-3939374	
		.5mm	<i>In Development</i>	M-4089620	M-3965259	M-4089614		
		1.0mm		M-4089621	M-3965260	M-4089615		
56		STD		M-4089725	M-3969000	M-4089460	M-3939374	
		.5mm	<i>In Development</i>	M-4089735	M-3970123	M-4089614		
		1.0mm		M-4089736	M-3970124	M-4089615		
57		STD		M-3800681	M-3935441	M-3804930	M-3934047	
	✓	.5mm	<i>In Development</i>	M-3800684	M-3935444	M-3804931		
		1.0mm		M-3800685	M-3935445	M-3804932		
58		STD	IF/OH3800838	M-3800838	M-3946050	M-3804990	M-3934047	
		.5mm	IF/OH3800841	M-3800841	M-3946053	M-3806201		
		1.0mm	IF/OH3800842	M-3800842	M-3946054	M-3806203		
59		STD		M-4955463	M-4937711	M-4955169	M-4931041	
		.5mm	<i>In Development</i>	M-4955973	M-4937695	M-4955461		
60		STD	IF/OH4955365FGT	M-4955365	M-4938619	M-4955366	M-4931041	
		.5mm	IF/OH4956007FGT	M-4956007	M-4938620	M-4955480		
61		STD	IF/OH3802248-4B	M-3802248	M-3919041	M-3802421	M-3934047	
	✓	.5mm	IF/OH3802249-4B	M-3802249	M-3912044	M-3802422		
		1.0mm	IF/OH3802250-4B	M-3802250	M-3912045	M-3802234		
100		Components Available Only						

★ = Connecting rod type required for proper bearings.

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## B SERIES 2-VALVE

### CRANKSHAFT, SEALS & DAMPER

Qty		Description	Note
4B	6B		
1		Crankshaft	Bare w/o Gear
	1	Crankshaft	Bare w/o Gear
1	1	Crankshaft Gear	Can use w/ Quick Repair Sleeve
1	1	Front Crankshaft Seal Kit - STD	Can use w/ Quick Repair Sleeve
AR	AR	Front Quick Repair Sleeve	
1	1	Front Seal Kit - OS	Integral Seal & Wear Sleeve
1	1	Rear Crankshaft Seal Kit - STD	Can use w/ Quick Repair Sleeve
1	1	Rear Crankshaft Seal Kit - STD	Double Lip for Wet Housings
AR	AR	Rear Quick Repair Sleeve	
1	1	Rear Crankshaft Seal Kit - OS	Integral Seal & Wear Sleeve
1	1	Rear Cover Gasket	
1	1	Rear Rectangular Seal	
	1	Vibration Damper	w/ 8 Groove Pulley

### CYLINDER HEAD COMPONENTS

Qty		Description	Note
4B	6B		
4	6	Valve Kit - Intake	
4	6	Salvage Intake Seat	
4	6	Valve Kit - Exhaust	
4	6	Salvage Exhaust Seat	
16	24	Valve Lock	
8	12	Salvage Valve Guide - Both	Thin wall .440" OD
4	6	Salvage Valve Guide - Intake	Thick wall .553" OD
4	6	Salvage Valve Guide - Exhaust	Thick wall .553" OD
8	12	Valve Spring - Both	Early Automotive
8	12	Valve Spring - Both	Industrial
4	6	Valve Spring - Intake	94B Automotive
4	6	Valve Spring - Exhaust	94B Automotive w/o Exhaust Brake
4	6	Valve Spring - Exhaust	94B Automotive w/ Exhaust Brake
8	12	Spring Retainer	Prior to April 2003
8	12	Spring Retainer	April 2003 & up w/ "Top Hat" Seals
8	12	Valve Stem Seal	Prior to April 2003
8	12	Valve Stem Seal	April 2003 & up w/ "Top Hat" Seals
4	6	Rocker Lever Intake	
4	6	Rocker Lever Exhaust	
8	12	Adjuster Nut	
8	12	Adjuster Screw	
8	12	Rocker Lever Retainer	
4	6	Rocker Lever Support	
4	6	Rocker Lever Support Bolt	

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## B SERIES 2-VALVE

### CYLINDER HEAD COMPONENTS

Qty		Description	Note
4B	6B		
8	12	Tappet	
8	12	Push Rod	
4	6	Cylinder Head Bolt	M12x1.75x70
10	14	Cylinder Head Bolt	M12x1.75x120
4	6	Cylinder Head Bolt	M12x1.75x180
5	5	Pipe Plug	1/2 NPT
	1	Pipe Plug	3/4 NPT
2	2	Pipe Plug	1/8 NPT
3	5	Expansion Plug	

### PREMIUM MARINE & HIGH HEAT APPLICATIONS

Qty		Description	Note
4B	6B		
4	6	Valve Kit - Intake	
4	6	Intake Seat	
4	6	Valve Kit - Exhaust	
4	6	Exhaust Seat	
16	24	Valve Lock	
8	12	Salvage Valve Guide - Both	Thin wall .440" OD
4	6	Salvage Valve Guide - Intake	Thick wall .553" OD
4	6	Salvage Valve Guide - Exhaust	Thick wall .553" OD
4	6	Valve Spring - Intake	
4	6	Valve Spring - Exhaust	
4	6	Spring Retainer - Intake	Prior to April 2003
4	6	Spring Retainer - Intake	April 2003 & up w/ "Top Hat" Seals
4	6	Valve Rotator - Exhaust	April 2003 & up w/ "Top Hat" Seals
8	12	Valve Stem Seal	Prior to April 2003
8	12	Valve Stem Seal	April 2003 & up w/ "Top Hat" Seals
4	6	Rocker Lever Intake	
4	6	Rocker Lever Exhaust	
8	12	Adjuster Nut	
8	12	Adjuster Screw	
8	12	Rocker Lever Retainer	
4	6	Rocker Lever Support	
4	6	Rocker Lever Support Bolt	
8	12	Tappet	
8	12	Push Rod	
4	6	Cylinder Head Bolt	M12x1.75x70
10	14	Cylinder Head Bolt	M12x1.75x120
4	6	Cylinder Head Bolt	M12x1.75x180
5	5	Pipe Plug	1/2 NPT
	1	Pipe Plug	3/4 NPT
2	2	Pipe Plug	1/8 NPT
3	5	Expansion Plug	

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## B SERIES 2-VALVE

### ROCKER COVER

Qty		Description	Note
4B	6B		
AR	AR	Rocker Cover - Plain	
AR	AR	Rocker Cover - w/ Oil Fill	
4	6	Cover Bolt	
4	6	Cover Bolt O-ring	
4	6	Cover Gasket	

### CAMSHAFT

Qty		Description	Note
4B	6B		
1		Camshaft	
1		Camshaft	
	1	Camshaft	
1	1	Camshaft Gear	
1	1	Woodruff Key	
8	12	Tappet	
8	12	Push Rod	

### GEAR HOUSING

Qty		Description	Note
4B	6B		
1	1	Gear Housing	Rotary Pump
1	1	Gear Housing	Inline Pump
1	1	Gear Cover	Rotary Pump
1	1	Timing Pin	

### RING GEARS

#### Midrange Ring Gear Listing

Teeth	Part #	Teeth
127	M-3905909	146
137	M-3907308	158
138	M-3901774	159
138	M-3903309	173

## B SERIES 2-VALVE

### FUEL SYSTEM

Qty		Description	Note
4B	6B		
4	6	Injector Nose Seal	9mm Tips
4	6	Injector Nose Seal	91B Automotive
4	6	Injector Nose Seal	91B Non-Automotive
4	6	Injector Nose Seal	215hp Dodge
4	6	Injector Nose Sleeve	7mm Nozzle to 9mm Head
4	6	Injector Banjo Connector Seal	
	1	Injector Installation Kit	For set of six
1	1	Fuel Pump Mounting Gasket	Rotary Pumps
1	1	Fuel Pump Mounting Seal	Inline P7100
1	1	Fuel Pump Mounting Seal	Inline P3000
AR	AR	Gasket - Lift Pump Mounting	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	Diaphragm
1	1	Fuel Transfer Pump	Diaphragm
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	
1	1	Fuel Transfer Pump	

### LUBRICATION SYSTEM

Qty		Description	Note
4B	6B		
1		Lube Oil Pump	
	1	Lube Oil Pump	
1		Oil Cooler Core	5 Plate
1	1	Oil Cooler Core	7 Plate
1	1	Pressure Regulator Plunger	
1	1	Pressure Regulator Spring	
4	6	Piston Cooling Nozzle	Pre-91B .800"L
4	6	Piston Cooling Nozzle	91B & up 1.220"L
1		Oil Pan	
1		Threaded Side Plug	M22
1		Seal Washer	M22
1		Threaded Drain Plug	M18
1		Seal Washer	M18
	1	Oil Pan	
1		Oil Pan Gasket	
	1	Oil Pan Gasket	
1	1	Suction Tube Gasket	



## ISB/QSB 4-VALVE

### CYLINDER & BLOCK COMPONENTS

Qty		Description	Notes
4B	6B		
4	6	Piston Pin	3.9/5.9L
4	6	Piston Pin	4.5/6.7L
4		Piston Pin	Big Pin 4.5L
8	12	Pin Retainer	
8		Pin Retainer	Big Pin 4.5L
4	6	Connecting Rod - Fractured	Full sets only & different shells
AR	AR	Cylinder Bore Salvage Sleeve	3.9/5.9L
AR	AR	Cylinder Bore Salvage Sleeve	4.5/6.7L
1	1	Expansion Plug Kit	FGT STORM Blocks

### GASKET SETS

Qty		Description	Notes
4B	6B		
1		Upper Gasket Set	ISBe 3.9 RGT
1		Upper Gasket Set	
1		Upper Gasket Set	4.5L RGT
	1	Upper Gasket Set	R/C Isolators
	1	Upper Gasket Set	R/C Bolt & Isolator assembly
	1	Upper Gasket Set	ISBe 5.9 RGT
	1	Upper Gasket Set	ISB 5.9 RGT EGR
	1	Upper Gasket Set	For OS Pistons & Salvage Sleeves
	1	Upper Gasket Set	ISB5.9 FGT EGR
	1	Upper Gasket Set	For OS Pistons & Salvage Sleeves
	1	Upper Gasket Set	QSB-M FGT
	1	Upper Gasket Set	For OS Pistons & Salvage Sleeves
	1	Upper Gasket Set	6.7L ISB07 Dodge FGT
	1	Upper Gasket Set	6.7L RGT-ISBe
	1	Upper Gasket Set	6.7L RGT-CM2150/2250
1		Lower Gasket Set	RGT
1		Lower Gasket Set	4.5L RGT
	1	Lower Gasket Set	ISB VP44
	1	Lower Gasket Set	QSB VP44
	1	Lower Gasket Set	ISBe5.9 RGT
	1	Lower Gasket Set	ISB5.9 RGT EGR
	1	Lower Gasket Set	ISB5.9 FGT EGR
	1	Lower Gasket Set	QSB-M FGT
	1	Lower Gasket Set	6.7L ISB07 Dodge FGT
	1	Lower Gasket Set	6.7L RGT-ISBe
	1	Lower Gasket Set	6.7L RGT-CM2150/2250

RGT = Rear Gear Train    FGT = Front Gear Train

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

## ISB/QSB 4-VALVE

### ENGINE BEARINGS

Qty		Description	Notes
4B	6B		
8	12	Rod Bearing - STD	For Machined Rods Tri-Metal reference
8	12	Rod Bearing - .25mm OS	
8	12	Rod Bearing - .50mm OS	
8	12	Rod Bearing - .75mm OS	
8	12	Rod Bearing - 1.00mm OS	
8	12	Rod Bearing - STD	For Machined Rods Bi-Metal reference
8	12	Rod Bearing - .25mm OS	
8	12	Rod Bearing - .50mm OS	
8	12	Rod Bearing - .75mm OS	
8	12	Rod Bearing - 1.00mm OS	
4	6	Rod Bearing - STD	For Fracture Split Rods Tri-Metal Upper Shell reference
4	6	Rod Bearing - STD	
4	6	Rod Bearing - .25mm OS	
4	6	Rod Bearing - .25mm OS	
4	6	Rod Bearing - .50mm OS	
4	6	Rod Bearing - .50mm OS	
4	6	Rod Bearing - .75mm OS	
4	6	Rod Bearing - .75mm OS	
4	6	Rod Bearing - 1.00mm OS	
4	6	Rod Bearing - 1.00mm OS	
4	6	Rod Bearing - STD	For Fracture Split Rods Bi-Metal Upper Shell reference
4	6	Rod Bearing - STD	
4	6	Rod Bearing - .25mm OS	
4	6	Rod Bearing - .25mm OS	
4	6	Rod Bearing - .50mm OS	
4	6	Rod Bearing - .50mm OS	
4	6	Rod Bearing - .75mm OS	
4	6	Rod Bearing - .75mm OS	
4	6	Rod Bearing - 1.00mm OS	
4	6	Rod Bearing - 1.00mm OS	
1		Main Bearing Set - STD	180° Thrust Set
1		Main Bearing Set -.25mm OS	
1		Main Bearing Set -.50mm OS	
1		Main Bearing Set -.75mm OS	180° Thrust Set
	1	Main Bearing Set - STD	
	1	Main Bearing Set -.25mm OS	
	1	Main Bearing Set -.50mm OS	
	1	Main Bearing Set -.75mm OS	6.7L 180° Thrust Set
	1	Main Bearing Set - STD	
	1	Main Bearing Set -.25mm OS	
	1	Main Bearing Set -.50mm OS	
	1	Main Bearing Set -.75mm OS	
1	1	360° Thrust Bearing - STD	
1	1	360° Thrust Bearing -.25mm OS	
1	1	360° Thrust Bearing -.50mm OS	
1	1	360° Thrust Bearing -.75mm OS	
2	2	Camshaft Bushing	
4	6	Connecting Rod Bushing	

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

## ISB/QSB 4-VALVE

### CRANKSHAFT & SEALS

#### Rear Gear Train Units

Qty		Description	Notes
4B	6B		
1	1	Front Seal	ISB / QSB
1	1	Rear Seal	ISB
	1	Rear Crankshaft Seal Kit - STD	QSB
	1	Rear Crankshaft Seal Kit - STD	QSB Wet Housing

#### Front Gear Train Units

	1	Crankshaft Gear	FGT
	1	Front Crankshaft Seal Kit - STD	Can use w/Quick Repair Sleeve
	AR	Front Quick Repair Sleeve	
	1	Front Seal Kit - OS	Integral Seal & Wear Sleeve
	1	Rear Crankshaft Seal Kit - STD	Can use w/Quick Repair Sleeve
	1	Rear Crankshaft Seal Kit - STD	Double Lip for Wet Housings
	AR	Rear Quick Repair Sleeve	
	1	Rear Crankshaft Seal Kit - OS	Integral Seal & Wear Sleeve
	1	Rear Cover Gasket	FGT
	1	Rear Rectangular Seal	FGT
	1	Vibration Damper	225mm OD Dodge
	1	Vibration Damper	235mm OD

### CYLINDER HEAD COMPONENTS-ISB/QSB

Qty		Description	Notes
4B	6B		
8	12	Valve Kit - Intake	
8	12	Valve Kit - Exhaust	
	12	Valve Kit - Exhaust	Premium Marine H.O.
	12	Valve Kit - Exhaust	Premium
8	12	Intake Seat	
8	12	Exhaust Seat	
	12	Exhaust Seat	Premium
32	48	Valve Lock	
16	24	Valve Spring	
16	24	Spring Retainer	
8	12	Valve Stem Seal - Intake	Press on yellow
8	12	Valve Stem Seal - Exhaust	Press on green
8	12	Valve Stem Seal - Intake	"Top Hat" style yellow
8	12	Valve Stem Seal - Exhaust	"Top Hat" style green
8	12	Tappet	38mm 2.241"L
8	12	Tappet	38mm 2.119"L
1	2	Expansion Plug	
5	7	Expansion Plug	
9	14	Expansion Plug	
7	11	Expansion Plug	
2	2	Expansion Plug	

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## ISB/QSB 4-VALVE

### ROCKER COVER

Qty		Description	Note
4B	6B		
	1	Rocker Cover Gasket	FGT VP44 Pump
	5	Rocker Cover Bolt	FGT VP44 Pump
	1	Rocker Cover Gasket	FGT HPCR
	6	Rocker Cover Bolt	FGT HPCR
	6	Rocker Cover Bolt Seal	FGT HPCR
1		Rocker Cover Gasket	RGT
	1	Rocker Cover Gasket	RGT

RGT = Rear Gear Train FGT = Front Gear Train

### FUEL SYSTEM

	1	Fuel Transfer Pump	12 volt VP44 Pump
	1	Fuel Pump Seal Kit	VP44

### LUBRICATION SYSTEM

Qty		Description	Note
4B	6B		
	1	Lube Oil Pump	FGT
	1	Lube Oil Pump	RGT Spur Gear
	1	Lube Oil Pump	RGT Spur Gear
	1	Oil Cooler Core	FGT 5.9L
1		Oil Cooler Core	RGT 3.9L
	1	Oil Cooler Core	RGT 5.9L
	1	Oil Cooler Core	RGT 6.7L
	1	Pressure Regulator Plunger	FGT
1	1	Pressure Regulator Plunger	RGT 3.9/5.9L
1	1	Pressure Regulator Spring	
1	1	Pressure Relief Valve	
	6	Piston Cooling Nozzle	
4	6	Piston Cooling Nozzle	RGT

RGT = Rear Gear Train FGT = Front Gear Train

### COOLING SYSTEM

Qty		Description	Note
4B	6B		
	1	Water Pump Kit	88mm Pulley
1	1	Water Pump Kit	
	1	Water Pump Kit	
	1	Water Pump Kit	
1	1	Seal Ring	
1	1	Thermostat Kit - 180°F	
	1	Thermostat Kit - 190°F	
	1	Thermostat Kit - 180°F	
1	1	Thermostat Kit - 190°F	
1	1	Seal Ring	
	1	Belt Tensioner	
	1	Belt Tensioner	
1	1	Fan Hub Bearing	

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

## ISB/QSB 4-VALVE

### MIDRANGE BELT LISTING

Ribs	Length	Ribs	Length
8	36.6"	8	57.5"
8	42.2"	8	59"
8	44.5"	8	60.5"
8	48.4"	8	61"
8	51.5"	8	61.5"
8	53.7"	8	62.1"
8	53.7"	8	63.1"
8	55"	8	64"
8	55"	8	65.5"
8	55.2"	8	68.5"
8	55.8"	8	68.5"
8	56"	8	70"
8	56"	8	70.5"
8	56.5"	8	70.5"
8	56.8"	8	76"

## ISB/QSB VP44

### GASKETS

Description	Qty	Note
	6B	
Air Crossover Gasket	1	QTY 2 required w/Air Heater
Air Transfer Seal Ring	1	
Cylinder Head Gasket - STD	1	
Exhaust Manifold Gasket	6	
Gear Housing Gasket	1	
Injection Pump Mounting Seal	1	
Intake Manifold Cover Gasket	1	
Oil Cooler Core Gasket	1	
Oil Cooler Cover Gasket	1	
Oil Pan Gasket	1	
Oil Pan Drain Plug Gasket	1	
Oil Pan Side Plug Gasket	1	
Oil Pickup Tube Gasket	1	
Rocker Cover Gasket	1	
Rocker Cover Bolt Isolator	5	
Tappet Cover Gasket	1	
Tappet Cover Grommet Seal	6	
Thermostat Seal	1	
Turbocharger Mounting Gasket	1	
Turbocharger Mounting Gasket	1	Water Cooled Turbo
Turbocharger Oil Drain Gasket	1	
Water Inlet Connection Seal	2	
Water Pump Mounting Seal	1	

## ISB/QSB HPCR

### GASKETS

Description	Qty		Note
	4B	6B	
Air Compressor Mounting Seal	1	1	
Exhaust Manifold Gasket	4	6	
Exhaust Manifold Gasket		6	FGT
Exhaust Manifold Lock		2	FGT
Fuel Transfer Cover Gasket		1	
Gear Housing Gasket		1	FGT
Injection Pump Mounting Seal		1	FGT
Injection Pump Mounting Seal	1	1	
Intake Manifold Cover Gasket		1	2pc Intake
Intake Connection Gasket		1	2pc Intake
Oil Cooler Core Gasket	1	1	
Oil Cooler Cover Gasket	1	1	
Oil Cooler Cover Gasket		1	FGT
Oil Pan Gasket	1		
Oil Pan Gasket		1	
Oil Pan Gasket		1	FGT
Oil Pan Drain Plug Gasket	2		
Oil Pan Drain Plug Gasket		1	
Oil Pan Side Plug Gasket		1	
Oil Pickup Tube Gasket	1	1	
Oil Pickup Tube Gasket		1	FGT
Rocker Cover Gasket	1		
Rocker Cover Gasket		1	
Rocker Cover Gasket		1	FGT
Rocker Cover Bolt O-ring		6	FGT
Rocker Cover Isolator	4	6	
Rocker Lever Housing Gasket	1		
Rocker Lever Housing Gasket		1	
Rocker Lever Housing Gasket		1	FGT
Thermostat Seal	1	1	
Thermostat Seal		1	FGT
Turbocharger Mounting Gasket	1		
Turbocharger Mounting Gasket		1	
Turbocharger Mounting Gasket		1	FGT
Turbocharger Oil Drain Gasket	1		
Turbocharger Oil Drain Gasket		1	
Turbocharger Oil Drain Gasket		1	FGT
Water Inlet Connection Seal	1	1	
Water Pump Mounting Seal	1	1	

FGT = Front Gear Train

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All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.



## C - I/QSC I/QSL

### GASKET SETS

Quantity			Description	Note
6C	I/QSC	I/QSL		
1			Upper Gasket Set	
1			Upper Gasket Set - .25mm OS	
1			Upper Gasket Set - .50mm OS	
1			Upper Gasket Set	C Gas Automotive
1			Upper Gasket Set	C Gas Industrial
	1	1	Upper Gasket Set	CAPS CM554
	1	1	Upper Gasket Set	HPCR CM850 ISC/ISL
	1	1	Upper Gasket Set	HPCR CM850 QSC/QSL
	1	1	Upper Gasket Set	HPCR CM2150/2250 ISC/ISL
		1	Upper Gasket Set	G6LTAA8.9
1			Lower Gasket Set	
	1		Lower Gasket Set	CAPS CM554
		1	Lower Gasket Set	CAPS CM554
	1	1	Lower Gasket Set	HPCR CM850 ISC/ISL
	1		Lower Gasket Set	HPCR CM850 QSC
		1	Lower Gasket Set	HPCR CM850 QSL
	1		Lower Gasket Set	HPCR CM2150 ISC
		1	Lower Gasket Set	HPCR CM2150 ISL
		1	Lower Gasket Set	HPCR CM2250 ISL

### ENGINE BEARINGS

Quantity			Description	Note
6C	I/QSC	I/QSL		
12	12	12	Rod Bearing - STD	
12	12	12	Rod Bearing - .25mm OS	
12	12	12	Rod Bearing - .50mm OS	
12	12	12	Rod Bearing - .75mm OS	
12	12	12	Rod Bearing - 1.00mm OS	
		6	Rod Bearing - STD	
		6	Rod Bearing - STD	
		6	Rod Bearing - .25mm OS	
		6	Rod Bearing - .25mm OS	
		6	Rod Bearing - .50mm OS	
		6	Rod Bearing - .50mm OS	
		6	Rod Bearing - .75mm OS	
		6	Rod Bearing - .75mm OS	
		6	Rod Bearing - 1.00mm OS	
		6	Rod Bearing - 1.00mm OS	
1	1	1	Main Bearing Set - STD	
1	1	1	Main Bearing Set - .25mm OS	
1	1	1	Main Bearing Set - .50mm OS	
1	1	1	Main Bearing Set - .75mm OS	
1	1	1	Main Bearing Set - 1.0mm OS	
7	7	7	Camshaft Bushing	
1	1	1	Block Expansion Plug	Rear Cam Bore
	1	1	Seal Ring	Rear Cam Bore
			Connecting Rod Bushing	
6		6	Connecting Rod Bushing	

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

## C - I/QSC I/QSL

### CRANKSHAFT & SEALS

Quantity			Description	Note
6C	I/QSC	I/QSL		
1			Crankshaft	Bare w/o Gear
1	1	1	Front Crankshaft Seal Kit - STD	w/ Nuts
1	1	1	Front Crankshaft Seal Kit - STD	w/ Nuts & Carrier
AR	AR	AR	Front Quick Repair Sleeve	Use w/ STD Seals
1	1	1	Front Seal Kit - OS	Integral Seal & Wear Sleeve
1	1	1	Rear Crankshaft Seal Kit - STD	
1	1	1	Rear Crankshaft Seal Kit - STD	Double Lip for Wet Housings
1	1	1	Rear Quick Repair Sleeve	Use w/ STD Seals
1	1	1	Rear Crankshaft Seal Kit - OS	Integral Seal & Wear Sleeve
1	1	1	Rear Cover Gasket	
1	1	1	Rear Rectangular Seal	

### CYLINDER HEAD COMPONENTS-C8.3

Quantity			Description	Note
6C	I/QSC	I/QSL		
6			Valve Kit - Intake	
6			Valve Kit - Intake	C-Gas
6			Intake Seat	
6			Intake Seat	C-Gas
6			Valve Kit - Exhaust	
6			Valve Kit - Exhaust	C-Gas
6			Exhaust Seat	
6			Exhaust Seat	Premium applications
6			Exhaust Seat	C-Gas
24			Valve Lock	
12			Valve Guide	
12			Valve Spring	
12			Valve Spring	Premium applications
12			Spring Retainer	
12			Rotator	Premium applications
12			Valve Stem Seal	
12			Valve Stem Seal	C-Gas
12			Rocker Lever	
12			Adjuster Nut	
12			Adjuster Screw	
6			Rocker Lever Clamp	
6			Rocker Lever Support	
6			Rocker Lever Shaft	
12			Rocker Lever Shaft Retainer	
12			Tappet	38mm
12			Tappet	
12			Push Rod	
14			Cylinder Head Bolt	
12			Cylinder Head Bolt	
1			Pipe Plug	1/16 NPT
1			Pipe Plug	1/4 NPT
1			Pipe Plug	1/2 NPT
1			Expansion Plug	
5			Expansion Plug	1.198"
2			Expansion Plug	58mm

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

## C - I/QSC I/QSL

### CYLINDER HEAD COMPONENTS-I/QSC & I/QSL

		Quantity		Description	Note
6C		I/QSC	I/QSL		
		12	12	Valve Kit - Intake	
		12	12	Valve Kit - Intake	CM850 & CM2150
		12	12	Intake Seat	
		12	12	Intake Seat	CM850 & CM2150
		12	12	Valve Kit - Exhaust	
		12	12	Valve Kit - Exhaust	CM850 & CM2150
		12	12	Exhaust Seat	
		12	12	Exhaust Seat	CM850 & CM2150
		48	48	Valve Lock	
		24	24	Valve Guide	
		24	24	Valve Spring	
		24	24	Spring Retainer	
		24	24	Valve Stem Seal	
		12	12	Tappet	38mm
		26	26	Cylinder Head Bolt	

### ROCKER COVER

		Quantity		Description	Note
6C		I/QSC	I/QSL		
1				Rocker Cover Gasket	
6				Bolt O-ring Seal	
1				Filler Cap Seal	
		1	1	Rocker Cover Gasket	
		5	5	Isolator	
		1	1	Rocker Cover Gasket	CM850 & CM2150
		8	8	Isolator	
		1	1	Filler Cap Seal	

### FUEL SYSTEM

		Quantity		Description	Note
6C		I/QSC	I/QSL		
6				Injector Seal - Body Sleeve	
6				Injector Nose Seal	
6				Seal - Banjo Connector	
		6		Injector Seal Ring	CAPS
		6		Injector Nose Seal	
		6		Connector O-ring	
		6	6	Injector Seal Ring	CM850 & CM2150
		6	6	Injector Nose Seal	
1				Injector Installation Kit	For set of six
1	1			Injection Pump Mounting Seal	
1	1			Transfer Pump Gasket	
1				Fuel Transfer Pump	
1				Fuel Transfer Pump	
1				Fuel Transfer Pump	
1				Fuel Transfer Pump	
1				Fuel Transfer Pump	
1				Fuel Transfer Pump	
1				Fuel Transfer Pump	

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

## C - I/QSC I/QSL

### LUBRICATION SYSTEM

		Quantity		Description	Note
6C		I/QSC	I/QSL		
1				Lube Oil Pump	
		1		Lube Oil Pump	
			1	Lube Oil Pump	(M-4983588)
1	1			Oil Cooler Core	
1	1			Regulator Spring	
6				Piston Cooling Nozzle	Pre-1991
12	12			Piston Cooling Nozzle	91C & ISC CAPS

### COOLING SYSTEM

		Quantity		Description	Note
6C		I/QSC	I/QSL		
1				Water Pump Kit	
1				Water Pump Kit	
1				Water Pump Kit	
1				Water Pump Kit	
		1	1	Water Pump Kit	CM554 & CM850
1				Water Pump Seal Ring	
		1	1	Water Pump Seal Ring	
1				Belt Tensioner	
		1	1	Belt Tensioner	
2				Thermostat - 180°F	
2				Thermostat - 160°F	
		1	1	Thermostat - 180°F	
		1	1	Thermostat - 180°F	

### MIDRANGE BELT LISTING

Ribs	Length	Part #	Ribs	Length
8	36.6"	M-3911562	8	57.5"
8	42.2"	M-3911558	8	59"
8	44.5"	M-3911563	8	60.5"
8	48.4"	M-3911572	8	61"
8	51.5"	M-3911573	8	61.5"
8	53.7"	M-3911559	8	62.1"
8	53.7"	M-3911575	8	63.1"
8	55"	M-3911564	8	64"
8	55"	M-3911561	8	65.5"
8	55.2"	M-3289213	8	68.5"
8	55.8"	M-3911580	8	68.5"
8	56"	M-3911582	8	70"
8	56"	M-3288497	8	70.5"
8	56.5"	M-3289325	8	70.5"
8	56.8"	M-3289659	8	76"

All manufacturer's names, numbers, symbols and descriptions are used for reference only and do not imply that any part listed is the product of these manufacturers.

