

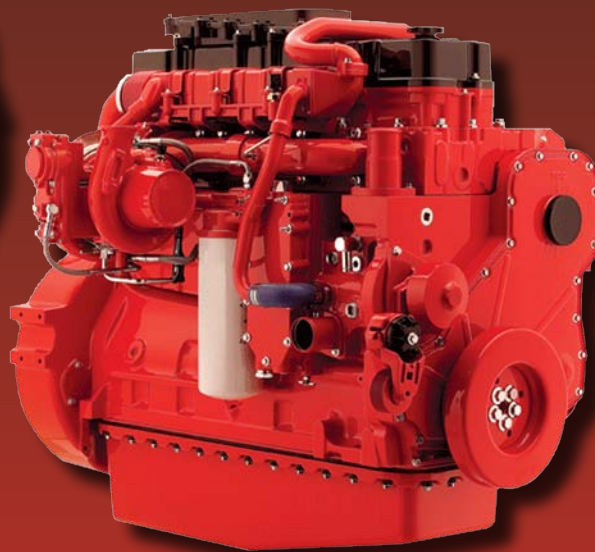
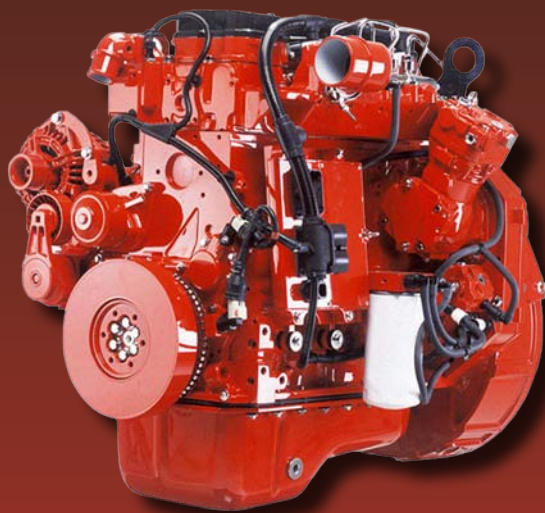


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B-SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON
426	QSB6.7	C	52	4934860
427	QSB6.7	C	52	4934860
591	4B3.9	C	1	3906223
592	4BT3.9	C	3	3903579
593	4BT3.9	A	5	3903582
594	4BTA3.9	C	7	3907156
595	4BTA3.9	A	7	3907156
596	6B5.9	C	2	3906223
597	6BT5.9	C	10	3907163
598	6BT5.9	A	6	3903582
599	6BTA5.9	C	8	3907156
600	6BTA5.9	A	8	3907156
627	G6B5.9	A	41	3930503
628	G6B5.9	A	41	3930503
646	4BT3.9	G	3	3903579
648	4B4.5TC	C	59	4937711
656	QSB6.7	C	52	4934860
681	4B3.9	C	1	3906223
690	4BT3.9	A	9	3907163
691	6B5.9	A	2	3906223
692	6BT5.9	A	10	3907163
696	4BT3.9	G	7	3907156
697	6BT5.9		4	3903579
698	6BT5.9	G	8	3907156
710	4BT3.9	C / M	7	3907156
711	4BT3.9	G	3	3903579
712	6BT5.9	C	10	3907163
713	6BT5.9		8	3907156
714	6B5.9-C	C / G	2	3906223
715	6BTA5.9	C	8	3907156
716	6BT5.9	A	10	3907163
721	4B3.9	C	1	3906223
725	4B3.9	C	1	3906223
727	4BT3.9	A	9	3907163
728	6BT5.9	C	6	3903582
729	6BT5.9	A	10	3907163
730	4BT3.9	C	9	3907163
741	4BT3.9	M	7	3907156
742	6BT5.9	M	8	3907156
761	6BT5.9	A	10	3907163
762	4BT3.9	A	9	3907163
763	4BT3.9	C	9	3907163
766	6BT5.9		6	3903582
767	4BT3.9	A / C	5	3903582
791	6B5.9	A / C	2	3906223
792	6BT5.9	G	8	3907156
793	4BT3.9	G	7	3907156
802	6B5.9	A	2	3906223
804	6BT5.9	A / C	10	3907163
807	6BT5.9	C	10	3907163
817	4BT3.9	C	9	3907163

CPL #	MODEL	APP	LINE #	PISTON
826	4BT3.9	G	7	3907156
834	6BTA5.9	A	8	3907156
843	4B3.9	C	1	3906223
845	6B5.9	C	2	3906223
856	6BTA5.9	A	10	3907163
857	4BTA3.9	A	9	3907163
858	4BT3.9	A	9	3907163
895	4B3.9	G	1	3906223
912	6BTA5.9	A / C	8	3907156
937	4BT3.9	G	7	3907156
938	6BT5.9	C	10	3907163
940	6BTA5.9	C	8	3907156
943	6BT5.9	C	10	3907163
947	6BT5.9	A	10	3907163
948	6BT5.9	A	10	3907163
949	6BT5.9	C	10	3907163
950	6BT5.9	C	10	3907163
953	6BTA5.9	M	11	3911400
960	6B5.9	C	2	3906223
961	6BT5.9	G	8	3907156
962	6BT5.9	G	8	3907156
970	6BTA5.9	M	11	3911400
971	4BT3.9	C / M	9	3907163
981	4B3.9	C	1	3906223
983	6BTA5.9	C	8	3907156
987	6BTA5.9	A 91B	12	3917619
994	6BT5.9	A	10	3907163
998	6BTA5.9-C	C	8	3907156
999	6B5.9	A	1	3906223
1160	6BT5.9	A	10	3907163
1163	6BT5.9	A	10	3907163
1165	6BTA5.9	F	11	3911400
1168	6BT5.9	C	10	3907163
1172	4B3.9	G	1	3906223
1173	4BT3.9	G	7	3907156
1174	6BT5.9-G	G	8	3907156
1189	6BT5.9	A	10	3907163
1201	4BT3.9	C	9	3907163
1202	4BT3.9	C	9	3907163
1207	6BT5.9	A	10	3907163
1209	6BTA5.9	C	8	3907156
1245	6BT5.9	C	10	3907163
1246	6BT5.9	C	10	3907163
1247	6BTA5.9-M	M	11	3911400
1259	4B3.9-C	C	1	3906223
1261	6BTA5.9	A 91	12	3917619
1266	6BT5.9-C	C	10	3907163
1268	4BT3.9-C	C	9	3907163
1277	4BT3.9-C	C	9	3907163
1278	4BTA3.9-C	C	7	3907156
1279	6BT5.9-C	C	10	3907163

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B-SERIES CPL LISTING

CPL #	MODEL	APP	LINE#	PISTON
1287	4BT3.9-C	C	9	3907163
1288	6BT5.9-C	C	10	3907163
1289	6BT5.9-C	C	10	3907163
1312	4B3.9		1	3906223
1313	6BTA5.9	A	11	3911400
1320	6B5.9-C		2	3906223
1322	6BTA5.9-M	M	11	3911400
1351	6BTA5.9	A 91	13	3919041
1354	ISB5.9	A	38	3972880
1355	ISB5.9	A	36	3972884
1358	6BTA5.9	A 91	12	3917619
1388	ISB6.7	A	50	4938619
1403	6B5.9		2	3906223
1408	6BT5.9	M	11	3911400
1422	6BTA5.9	A 91	12	3917619
1433	6B5.9	C	2	3906223
1440	6BT5.9		10	3907163
1482	4BT4.5C	C	56	3969000
1483	4B4.5C	C	54	3969036
1490	ISB6.7	A	60	4938619
1493	4BT4.5C	C	56	3969000
1508	4BT3.9	C	9	3907163
1509	4BT3.9	C	9	3907163
1518	6BT5.9-G2	G	8	3907156
1520	4BT3.9GenDr86	G	7	3907156
1522	4B3.9GenDr-61	G / M	1	3906223
1527	6BTA5.9	A 91	12	3917619
1549	6BTA5.9	A 94	14	3922571
1550	6BTA5.9	A 94	14	3922571
1551	6BTA5.9	A 94	17	3926631
1552	6BTA5.9	A 94	17	3926631
1553	6BTA5.9	A 94	17	3926631
1554	6BT5.9		10	3907163
1570	6BTA5.9	M	11	3911400
1577	6BTA5.9	A 91	12	3917619
1578	6BTA5.9	A 91	13	3919041
1579	6BTA5.9	A 91	13	3919041
1581	6BTA5.9		8	3907156
1582	6BTA5.9	A 91	12	3917619
1584	QSB6.7	C	52	4934860
1601	6BT5.9		10	3907163
1605	6BT5.9	A 91	13	3919041
1606	6BT5.9	A 91	13	3919041
1610	QSB6.7	C	52	4934860
1613	6BTA5.9	M	11	3911400
1629	QSB6.7	C	52	4934860

CPL #	MODEL	APP	LINE#	PISTON
1638	6BTAA-1		11	3911400
1640	6BTA5.9		18	3928398
1659	4BTA3.9		9	3907163
1683	B5.9-195G	A	40	3922687
1700	QSB4.5	C	53	4934860
1701	QSB4.5	C	53	4934860
1810	6BTA5.9		15	3922577
1815	B5.9-160	A 94	14	3922571
1816	B5.9-175	A 94	14	3922571
1817	6BTA5.9		15	3922577
1822	6BTA5.9		15	3922577
1824	6BTA5.9		14	3922571
1825	6BTA5.9		14	3922571
1839	4BTA3.9	A 95	16	3926631
1850	6BTA5.9		15	3922577
1863	B5.9-180	A	14	3922571
1876	6BTA5.9		46	3926990
1887	G6B5.9	A	40	3922687
1889	6BTA5.9	C 96	22	3930187
1902	B5.9C	C	20	3928673
1914	6BTA5.9		17	3926631
1915	B5.9-210	A	17	3926631
1916	B5.9-230	A	17	3926631
1928	6BTA5.9		11	3911400
1932	4B3.9C	C	1	3906223
1945	BTA5.9-A200	C	18	3928398
1948	6BT5.9	C 96	20	3928673
1959	B5.9-160	A 94	14	3922571
1961	6BTA5.9	C 96	20	3928673
1962	6BTA5.9	C 96	20	3928673
1963	4BTA3.9	C 96	21	3930187
1965	4BT3.9	C 96	19	3928673
1966	4BT3.9	C 96	19	3928673
1967	4BT3.9	C 96	19	3928673
1968	B5.9-160	A	14	3922571
1975	6BTA5.9	M	25	3935591
1976	G6B5.9	A	40	3922687
1977	G6B5.9	A	40	3922687
1982	ISB4.5	A	49	4939181
1989	ISB4.5	A	49	4939181
1995	ISB6.7	A	48	4939181
1998	ISB6.7	A	48	4939181
2001	4BTA3.9		16	3926631
2013	4BTA3.9		16	3926631
2014	B5.9-145	A	20	3928673
2015	B5.9-160	A	20	3928673

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B-SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON
2016	B5.9-130	A	20	3928673
2021	4BT3.9		9	3907163
2022	B5.9-180	A 94	14	3922571
2023	B5.9-215	A 94	17	3926631
2024	ISB-235	A	28	3946153
2035	G6BTAA5.9	A	40	3922687
2049	B5.9-C152	C	10	3907163
2050	6BTA5.9	C	8	3907156
2063	6BTA5.9	C 96	22	3930187
2070	6BTA5.9		26	3930314
2071	6BT5.9	C 96	20	3928673
2072	6BTA5.9	C 96	26	3930314
2075	ISB-175	A	28	3946153
2076	ISB-190 / 195	A	28	3946153
2077	ISB-215	A	28	3946153
2078	ISB-230	A	27	3948471
2079	ISB-250	A	27	3948471
2080	ISB-275	A	27	3948471
2098	ISB-215	A	28	3946153
2109	4BTA3.9	C 96	19	3928673
2122	B5.9-180	A	20	3928673
2123	6BT5.9		13	3919041
2125	6BTA5.9		20	3928673
2132	QSB5.9	C	29	3948465
2144	4BT3.9	C	19	3928673
2161	G6BTA5.9	A	40	3922687
2162	G6BTAA5.9	A	40	3922687
2171	G6B5.9	A	41	3930503
2174	6BTA5.9	A 98	14	3922571
2175	6BTA5.9	A 98	17	3926631
2182	G6BTAA5.9	A	40	3922687
2183	G6BTAA5.9	A	40	3922687
2195	4BTA3.9		16	3926631
2197	4BTA3.9-M	M	24	3935591
2205	6BTA5.9	M	25	3935591
2208	6BTA5.9-M3	M	25	3935591
2243	6BTA5.9		17	3926631
2246	4BTA3.9-G1		47	3926990
2248	4BTA3.9-G1		47	3926990
2249	6BTA5.9		17	3926631
2252	6BTA5.9		17	3926631
2264	4BTA3.9	C 96	21	3930187
2265	B5.9-180	A	14	3922571

CPL #	MODEL	APP	LINE #	PISTON
2268	B5.9-180	A	14	3922571
2272	4BT3.9		9	3907163
2273	4BT3.9		9	3907163
2279	ISB-235	A	28	3946153
2280	ISB-215	A	28	3946153
2284	G6B5.9	A	40	3922687
2285	G6B5.9	A	40	3922687
2292	6BTA5.9	C 96	20	3928673
2293	4B3.9		23	3932514
2296	6BT5.9C-152	C	20	3928673
2302	4BT3.9	C 96	19	3928673
2308	B5.9-180	A 98	14	3922571
2343	G6B5.9	A	40	3922687
2345	6BTA5.9		14	3922571
2346	6BTA5.9		14	3922571
2347	6BTA5.9		17	3926631
2348	6BTA5.9		17	3926631
2351	4BTA3.9	C 96	19	3928673
2359	4BTA3.9	C 96	19	3928673
2361	4B3.9	C 96	23	3932514
2362	4B3.9		23	3932514
2372	6BT5.9		20	3928673
2373	6BTA5.9		20	3928673
2374	4B3.9		23	3932514
2375	B5.9-215	A	17	3926631
2377	4BT3.9-G3/G4	G	7	3907156
2386	BTA5.9	C	20	3930450
2396	4BTA3.9		19	3928673
2405	6BTA5.9		13	3919041
2407	G6B5.9	A	40	3922687
2408	G6B5.9	A	40	3922687
2409	G6B5.9	A	40	3922687
2411	G6B5.9	A	40	3922687
2413	6BT5.9		10	3907163
2414	4BT3.9		9	3907163
2415	ISB	A	58	3946050
2417	6BTA5.9	C	20	3928673
2439	G6B5.9	A	41	3930503
2446	ISB-175	A	28	3946153
2447	ISB-195	A	28	3946153
2448	ISB-215	A	28	3946153
2449	ISB-230	A	27	3948471
2450	ISB-250	A	27	3948471

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B-SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON
2451	ISB-275	A	27	3948471
2458	4B3.9		23	3932514
2478	4BT3.9		19	3928673
2479	6BTA5.9		22	3930187
2486	4B3.9		23	3932514
2487	4B3.9		23	3932514
2488	4B3.9		23	3932514
2489	4B3.9		23	3932514
2490	4B3.9		57	3935441
2491	6BTA5.9		14	3922571
2498	ISB-175	A	28	3946153
2530	6BT5.9-G6	G	8	3907156
2566	4B3.9	C	57	3935441
2567	4B3.9	C	57	3935441
2568	4B3.9	C	57	3935441
2569	ISB-175	A	28	3946153
2571	ISB-215	A	28	3946153
2572	ISB-175	A	27	3948471
2573	ISB	A	27	3948471
2574	ISB-275	A	27	3948471
2599	4B3.9C - 80	C	23	3932514
2600	4B3.9	C	57	3935441
2601	4B3.9	C	57	3935441
2605	QSB6.7	C	52	4934860
2616	ISB-235	A	28	3946153
2617	ISB-215	A	28	3946153
2623	4BT3.9C	C	19	3928673
2624	ISB-250	A	31	3965497
2652	QSB5.9	C	29	3948465
2678	6BTAA5.9	C	44	3957795
2682	ISB-260	A	29	3948465
2683	ISB-260	A	29	3948465
2684	ISB-245	A	27	3948471
2685	ISB-225	A	28	3946153
2686	ISB-205	A	28	3946153
2687	ISB-185	A	28	3946153
2715	ISB6.7	A	50	4938619
2743	QSB4.5	C	53	4934860
2744	G6B5.9	A	40	3922687
2750	G6B5.9	A	40	3922687
2751	G6B5.9	A	40	3922687
2798	4B4.5C	C	54	3969036
2846	6BTAA5.9	C	44	3957795
2856	4B3.9		23	3932514

CPL #	MODEL	APP	LINE #	PISTON
2876	G6B5.9	A	41	3930503
2878	G6B5.9	A	41	3930503
2893	6BT5.9		46	3926990
2902	ISB-235	A	28	3946153
2905	ISB-245	A	28	3946153
2906	ISB-245	A	58	3946050
2925	ISB5.9-220	A	36	3972884
2926	ISB3.9	A	37	3972884
2938	ISB3.9-145	A	39	3972880
2943	4BTAA3.9	C	45	3957795
2952	ISB5.9-270	A	38	3972880
2953	ISB3.9-165	A	39	3972880
2956	6BTA5.9M	M	25	3935591
2969	G6B5.9	A	40	3922687
2972	G6B5.9	A	40	3922687
2973	G6B5.9	A	40	3922687
2974	G6B5.9	A	40	3922687
2975	G6B5.9	A	40	3922687
2981	ISB	A	29	3948465
2998	ISB-305	A	31	3965497
3059	ISB4.5	A	51	4938619
3060	ISB4.5	A	51	4938619
3065	ISB6.7	A	50	4938619
3066	ISB6.7	A	50	4938619
3067	ISB4.5	A	51	4938619
3094	ISB6.7	A	50	4938619
3095	ISB6.7	A	50	4938619
3096	ISB6.7	A	50	4938619
3098	ISB6.7	A	50	4938619
3149	G6B5.9	A	40	3922687
3279	ISB3.9	A	33	3965497
3313	ISB4.5	A	51	4938619
3315	ISB4.5	A	51	4938619
3316	ISB4.5	A	51	4938619
3319	G6B5.9	A	40	3922687
3321	G6B5.9	A	40	3922687
3322	G6B5.9	A	40	3922687
3323	G6B5.9	A	40	3922687
3381	ISB6.7	A	50	4938619
8018	G6B5.9	A	41	3930503
8030	ISB-235	A	28	3946153
8034	ISB-245	A	58	3946050
8039	4BTAA3.9	C	43	3957416
8040	QSB5.9	C	29	3948465

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CPL #	MODEL	APP	LINE #	PISTON
8041	QSB5.9	C	29	3948465
8058	QSB3.9	C	45	3957795
8061	6BT5.9		46	3926990
8090	QSB5.9	C	29	3948465
8100	4B3.9		23	3932514
8103	ISB3.9	A	37	3972884
8104	BTA3.9M	M	24	3935591
8105	QSB5.9	C	44	3957795
8107	QSB5.9	C	29	3948465
8108	6BTAA5.9		22	3930187
8110	QSB5.9	C	29	3948465
8111	6BTAA5.9	C	44	3957795
8112	QSB5.9	C	29	3948465
8113	QSB5.9	C	29	3948465
8123	ISB5.9	A	32	3965497
8134	ISB5.9-300	A	32	3965497
8135	ISB5.9-275	A	32	3965497
8136	ISB-215	A	35	3958675
8147	ISB5.9	A	38	3972880
8148	QSB3.9	C	45	3957795
8149	QSB3.9	C	45	3957795
8150	QSB5.9	C	29	3948465
8164	ISB-270	A	29	3948465
8169	QSB5.9	C	29	3948465
8186	6BTAA5.9	C	42	3957416
8187	QSB5.9	C	42	3957416
8190	QSB5.9	C	29	3948465
8198	G6B5.9	A	40	3922687
8199	G6B5.9	A	40	3922687
8204	4B4.5C	C	56	3969000
8206	6BT5.9	M		3921888
8208	QSB5.9	C	22	3930187
8217	6BTAA5.9	C	42	3957416
8230	ISB6.7	A	60	4938619
8236	6BTAA5.9	C	42	3957416
8237	6BTAA5.9	C	42	3957416
8238	4BTAA3.9	C	43	3957416
8239	4BTAA3.9	C	43	3957416
8240	QSB3.9	C	43	3957416
8254	QSB5.9	C	29	3948465
8263	4B4.5C	C	55	3939398
8265	6BTAA5.9	C	44	3957795
8266	6BTAA5.9	C	44	3957795
8267	6BTAA5.9	C	44	3957795

CPL #	MODEL	APP	LINE #	PISTON
8275	4BTA3.9	A	47	3926990
8276	6BTAA5.9	C	42	3957416
8296	QSB5.9	C	42	3957416
8298	6BTAA5.9	C	42	3957416
8300	QSB5.9	C	42	3957416
8301	G6B5.9	A	41	3930503
8302	G6B5.9	A	41	3930503
8304	6BTAA5.9	C	42	3957416
8305	6BTAA5.9	C	42	3957416
8306	QSB5.9	C	42	3957416
8334	QSB3.9	C	43	3957416
8335	4BTAA3.9	C	43	3957416
8337	QSB3.9	C	45	3957795
8339	QSB5.9	C	42	3957416
8340	QSB5.9	C	42	3957416
8341	QSB5.9	C	42	3957416
8344	ISB-325	A	30	3970192
8345	ISB-325	A	30	3970192
8346	ISB	A	30	3970192
8347	ISB	A	30	3970192
8350	ISB	A	30	3970192
8351	ISB	A	30	3970192
8373	G6B5.9	A	40	3922687
8384	QSB5.9	C	29	3948465
8385	QSB5.9	C	29	3948465
8387	6BT5.9-G3	G	46	3926990
8400	6BTAA5.9	C	42	3957416
8401	QSB4.5-110	C	55	3939398
8402	QSB4.5-110	C	55	3939398
8403	G6B5.9	A	40	3922687
8404	G6B5.9	A	40	3922687
8410	ISB5.9		34	3958675
8416	ISB5.9-260	A	32	3965497
8426	6BT5.9		46	3926990
8428	QSB5.9	C	42	3957416
8431	ISB3.9-170	A	32	3965497
8442	4BT3.9	C	19	3928673
8444	6BT5.9	C	20	3928673
8453	6BTAA5.9G	G	46	3926990
8454	4B4.5C	C	54	3969036
8457	6BTA5.9M	M	25	3935591
8464	QSB5.9M	M	31	3965497
8466	QSB6.7	C	52	4934860
8466	QSB6.7	C	52	4934860

Footnote:

A = Automotive **C** = Construction **M** = Marine **G** = Generator

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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-3912047	M-3802422	
		1.0mm	IF/OH3802253-6B	M-3802253	M-3912048	M-3802234	
13		STD	IF/OH3802248-6B	M-3802248	M-3919041	M-3802421	M-3934047
	✓	.5mm	IF/OH3802249-6B	M-3802249	M-3912044	M-3802422	
		1.0mm	IF/OH3802250-6B	M-3802250	M-3912045	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		M-3802488	M-3922577	M-3802421	M-3934047
		.5mm		M-3802494	M-3922580	M-3802422	
		1.0mm		M-3802496	M-3922581	M-3802234	

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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		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	Use Line #19 in full sets	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		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/OH3800781-6B	M-3800781	M-3946153	M-3804990	M-3934047
	✓	.5mm	IF/OH3800784-6B	M-3800784	M-3946156	M-3806201	
		1.0mm	IF/OH3800785-6B	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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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.

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		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		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		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		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		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	

★ = Connecting rod type required for proper bearings.

B SERIES 2-VALVE

CYLINDER & BLOCK COMPONENTS

Part #	Qty		Description	Note
	4B	6B		
M-3934048	4	6	Piston Pin	Pre-91B 2.975"L
M-3934047	4	6	Piston Pin	91B 3.255"L
M-3939374	4		Piston Pin	Big pin 4.5L
M-3920691	8	12	Pin Retainer	
M-3939375	8		Pin Retainer	Big pin 4.5L
M-4943979	4	6	Connecting Rod - Fractured	Full sets only & different shells
M-3904166	AR	AR	Cylinder Bore Salvage Sleeve	
MCB6BEXPK	1	1	Expansion Plug Kit	non-STORM blocks
MCB6BEXPKS	1	1	Expansion Plug Kit	STORM blocks
M-3900919			C Rod Bolt Machined Rod	

GASKET SETS

Part #	Qty		Description	Note
	4B	6B		
MCB4B01OH	1		Overhaul Gasket Set	Prior to April 2003
MCB6B01OH		1	Overhaul Gasket Set	Prior to April 2003
M-3804896	1		Upper Gasket Set - STD	
M-3802362	1		Upper Gasket Set - .25mm OS	
M-3802242	1		Upper Gasket Set - .50mm OS	
M-4089648	1		Upper Gasket Set - STD	April 2003 & up with "tophat" seals
M-3804897		1	Upper Gasket Set - STD	
M-3802364		1	Upper Gasket Set - .25mm OS	
M-3802245		1	Upper Gasket Set - .50mm OS	
M-4089649		1	Upper Gasket Set - STD	April 2003 & up with "tophat" seals
M-4089650		1	Upper Gasket Set - .25mm OS	April 2003 & up with "tophat" seals
M-4089651		1	Upper Gasket Set - .50mm OS	April 2003 & up with "tophat" seals
M-2881955		1	Upper Gasket Set - STD	G5.9
M-3802375	1		Lower Gasket Set	
M-3802376		1	Lower Gasket Set	

B SERIES 2-VALVE

ENGINE BEARINGS

Part #	Qty		Description	Note
	4B	6B		
M-3939859	8	12	Rod Bearing - STD	For machined rods tri-metal reference
M-3901171	8	12	Rod Bearing - .25mm OS	
M-3901172	8	12	Rod Bearing - .50mm OS	
M-3901173	8	12	Rod Bearing - .75mm OS	
M-3901174	8	12	Rod Bearing - 1.00mm OS	
M-3969562	8	12	Rod Bearing - STD	For machined rods bi-metal reference
M-4932375	8	12	Rod Bearing - .25mm OS	
M-4932376	8	12	Rod Bearing - .50mm OS	
M-4932377	8	12	Rod Bearing - .75mm OS	
M-4932378	8	12	Rod Bearing - 1.00mm OS	
M-3939859	4	6	Rod Bearing - STD	For fracture split rods tri-metal upper shell reference
M-4893693	4	6	Rod Bearing - STD	
M-3901171	4	6	Rod Bearing - .25mm OS	
M-4892795	4	6	Rod Bearing - .25mm OS	
M-3901172	4	6	Rod Bearing - .50mm OS	
M-4892796	4	6	Rod Bearing - .50mm OS	
M-3901173	4	6	Rod Bearing - .75mm OS	
M-4892797	4	6	Rod Bearing - .75mm OS	
M-3901174	4	6	Rod Bearing - 1.00mm OS	
M-4892798	4	6	Rod Bearing - 1.00mm OS	
M-3969562	4	6	Rod Bearing - STD	For fracture split rods bi-metal upper shell reference
M-4893693	4	6	Rod Bearing - STD	
M-4932375	4	6	Rod Bearing - .25mm OS	
M-4892795	4	6	Rod Bearing - .25mm OS	
M-4932376	4	6	Rod Bearing - .50mm OS	
M-4892796	4	6	Rod Bearing - .50mm OS	
M-4932377	4	6	Rod Bearing - .75mm OS	
M-4892797	4	6	Rod Bearing - .75mm OS	
M-4932378	4	6	Rod Bearing - 1.00mm OS	
M-4892798	4	6	Rod Bearing - 1.00mm OS	
M-3802010	1		Main Bearing Set - STD	
M-3802011	1		Main Bearing Set - .25mm OS	
M-3802012	1		Main Bearing Set - .50mm OS	
M-3802013	1		Main Bearing Set - .75mm OS	
M-3802070		1	Main Bearing Set - STD	
M-3802071		1	Main Bearing Set - .25mm OS	
M-3802072		1	Main Bearing Set - .50mm OS	
M-3802073		1	Main Bearing Set - .75mm OS	
M-3901306	1	1	Camshaft Bushing	
M-3940059	1	1	Camshaft Bushing	4B≥45537238 6B≥45534441
M-4891178	4	6	Connecting Rod Bushing	

B SERIES 2-VALVE

CRANKSHAFT, SEALS & DAMPER

Part #	Qty		Description	Note
	4B	6B		
M-3907803	1		Crankshaft	Bare without gear
M-3907804		1	Crankshaft	Bare without gear
M-3929027	1	1	Crankshaft Gear	
M-3937111	1		Front Crankshaft Seal Kit - STD	Can use with quick repair sleeve
M-3906080	AR	AR	Front Quick Repair Sleeve	
M-3802820	1	1	Front Seal Kit - OS	Integral seal & wear sleeve
M-4089342	1	1	Rear Crankshaft Seal Kit - STD	Can use with quick repair sleeve
M-4955372	1	1	Rear Crankshaft Seal Kit - STD	Double lip for wet housings
M-3906081	AR	AR	Rear Quick Repair Sleeve	
M-3926126	1	1	Rear Crankshaft Seal Kit - OS	Integral seal & wear sleeve
M-4947667	1	1	Rear Cover Gasket	
M-3912473	1	1	Rear Rectangular Seal	
M-3914454		1	Vibration Damper	w/ 8 groove pulley

CYLINDER HEAD COMPONENTS

Part #	Qty		Description	Note
	4B	6B		
M-3802355	4	6	Valve Kit - Intake	
M-3906854	4	6	Salvage Intake Seat	
M-3802356	4	6	Valve Kit - Exhaust	
M-3904105	4	6	Salvage Exhaust Seat	
M-3900250	16	24	Valve Lock	
M-3906206	8	12	Salvage Valve Guide - Both	Thin wall .440" OD
M-3904408	4	6	Salvage Valve Guide - Intake	Thick wall .553" OD
M-3904409	4	6	Salvage Valve Guide - Exhaust	Thick wall .553" OD
M-3900276	8	12	Valve Spring - Both	Early automotive
M-3932453	8	12	Valve Spring - Both	Industrial
M-3926700	4	6	Valve Spring - Intake	94B automotive
M-3926700	4	6	Valve Spring - Exhaust	94B automotive no exhaust brake
M-3926700	4	6	Valve Spring - Exhaust	94B automotive with exhaust brake
M-3900299	8	12	Spring Retainer	Prior to April 2003
M-3957913	8	12	Spring Retainer	April 2003 & up with "tophat" seals
M-3921640	8	12	Valve Stem Seal	Prior to April 2003
M-3957912	8	12	Valve Stem Seal	April 2003 & up with "tophat" seals
M-3910811	4	6	Rocker Lever Intake	
M-3910810	4	6	Rocker Lever Exhaust	
M-S205	8	12	Adjuster Nut	
M-3900706	8	12	Adjuster Screw	
M-3900242	8	12	Rocker Lever Retainer	
M-3911423	4	6	Rocker Lever Support	
M-3901221	4	6	Rocker Lever Support Bolt	

B SERIES 2-VALVE

CYLINDER HEAD COMPONENTS

Part #	Qty		Description	Note
	4B	6B		
M-3931623	8	12	Tappet	
M-3284377	8	12	Push Rod	
M-3920779	4	6	Cylinder Head Bolt	M12x1.75x70
M-3920780	10	14	Cylinder Head Bolt	M12x1.75x120
M-3920781	4	6	Cylinder Head Bolt	M12x1.75x180
M-3008468	5	5	Pipe Plug	1/2 NPT
M-3008469		1	Pipe Plug	3/4 NPT
M-3906619	2	2	Pipe Plug	1/8 NPT
M-3902073	3	5	Expansion Plug	

PREMIUM MARINE & HIGH HEAT APPLICATIONS

M-3802355	4	6	Valve Kit - Intake	
M-3802481	4	6	Intake Seat	
M-3802481	4	6	Valve Kit - Exhaust	
M-3925176	4	6	Exhaust Seat	
M-3900250	16	24	Valve Lock	
M-3906206	8	12	Salvage Valve Guide - Both	Thin wall .440" OD
M-3904408	4	6	Salvage Valve Guide - Intake	Thick wall .553" OD
M-3904409	4	6	Salvage Valve Guide - Exhaust	Thick wall .553" OD
M-3926700	4	6	Valve Spring - Intake	
M-3925667	4	6	Valve Spring - Exhaust	
M-3900299	4	6	Spring Retainer - Intake	Prior to April 2003
M-3957913	4	6	Spring Retainer - Intake	April 2003 & up with "tophat" seals
M-3957914	4	6	Valve Rotator - Exhaust	April 2003 & up with "tophat" seals
M-3921640	8	12	Valve Stem Seal	Prior to April 2003
M-3957912	8	12	Valve Stem Seal	April 2003 & up with "tophat" seals
M-3910811	4	6	Rocker Lever Intake	
M-3910810	4	6	Rocker Lever Exhaust	
M-S205	8	12	Adjuster Nut	
M-3900706	8	12	Adjuster Screw	
M-3900242	8	12	Rocker Lever Retainer	
M-3911423	4	6	Rocker Lever Support	
M-3901221	4	6	Rocker Lever Support Bolt	
M-3931623	8	12	Tappet	
M-3284377	8	12	Push Rod	
M-3920779	4	6	Cylinder Head Bolt	M12x1.75x70
M-3920780	10	14	Cylinder Head Bolt	M12x1.75x120
M-3920781	4	6	Cylinder Head Bolt	M12x1.75x180
M-3008468	5	5	Pipe Plug	1/2 NPT
M-3008469		1	Pipe Plug	3/4 NPT
M-3906619	2	2	Pipe Plug	1/8 NPT
M-3902073	3	5	Expansion Plug	

B SERIES 2-VALVE

ROCKER COVER

Part #	Qty		Description	Note
	4B	6B		
M-3902604	AR	AR	Rocker Cover - Plain	
M-3902605	AR	AR	Rocker Cover - w/ Oil Fill	
M-3907049	4	6	Cover Bolt	
M-3910824	4	6	Cover Bolt O-ring	
M-3930906	4	6	Cover Gasket	

CAMSHAFT

Part #	Qty		Description	Note
	4B	6B		
M-3925582	1		Camshaft	
M-3929885	1		Camshaft	
M-3283179		1	Camshaft	
M-3929041		1	Camshaft	
M-3929042		1	Camshaft	
M-3929734		1	Camshaft	
M-3929886		1	Camshaft	
M-3929028	1	1	Camshaft Gear	
M-3902332	1	1	Woodruff Key	
M-3931623	8	12	Tappet	
M-3284377	8	12	Push Rod	

GEAR HOUSING

Part #	Qty		Description	Note
	4B	6B		
M-3917759	1	1	Gear Housing	Rotary pump
M-3936256	1	1	Gear Housing	Inline pump
M-3903794	1	1	Gear Cover	Rotary pump
M-3903924	1	1	Timing Pin	

RING GEARS

Midrange Ring Gear Listing

Part #	Teeth	Part #	Teeth
M-3905427	127	M-3905909	146
M-3905031	137	M-3907308	158
M-3908546	138	M-3901774	159
M-3902127	138	M-3903309	173

B SERIES 2-VALVE

FUEL SYSTEM

Part #	Qty		Description	Note
	4B	6B		
M-3900808	4	6	Injector Nose Seal	9mm tips
M-3923261	4	6	Injector Nose Seal	91B automotive
M-3906659	4	6	Injector Nose Seal	91B non-automotive
M-3930324	4	6	Injector Nose Seal	215hp Dodge
M-3919358	4	6	Injector Nose Sleeve	7mm nozzle to 9mm head
M-3903380	4	6	Injector Banjo Connector Seal	
M-3939355	1	1	Fuel Pump Mounting Gasket	Rotary pumps
M-3969698	1	1	Fuel Pump Mounting Seal	Inline P7100
M-3935032	1	1	Fuel Pump Mounting Seal	Inline P3000
M-3939258	AR	AR	Gasket - Lift Pump Mounting	
M-3918000	1	1	Fuel Transfer Pump	
M-3918076	1	1	Fuel Transfer Pump	
M-3928143	1	1	Fuel Transfer Pump	Diaphragm
M-3928144	1	1	Fuel Transfer Pump	Diaphragm
M-3936317	1	1	Fuel Transfer Pump	
M-3936318	1	1	Fuel Transfer Pump	
M-3936319	1	1	Fuel Transfer Pump	
M-3936320	1	1	Fuel Transfer Pump	
M-3936321	1	1	Fuel Transfer Pump	
M-4983585	1	1	Fuel Transfer Pump	
M-4988751	1	1	Fuel Transfer Pump	

LUBRICATION SYSTEM

Part #	Qty		Description	Note
	4B	6B		
M-4939585	1		Lube Oil Pump	
M-4939587		1	Lube Oil Pump	
M-3921557	1		Oil Cooler Core	5 plate
M-3921558	1	1	Oil Cooler Core	7 plate
M-3918428	1	1	Pressure Regulator Plunger	
M-3918427	1	1	Pressure Regulator Spring	
M-3901020	4	6	Piston Cooling Nozzle	"Pre-91B .800" L "
M-3937214	4	6	Piston Cooling Nozzle	"91B & up 1.220" L"
M-3901049	1		Oil Pan	
M-3924148	1		Threaded Side Plug	M22
M-3902425	1		Seal Washer	M22
M-3924147	1		Threaded Drain Plug	M18
M-3920773	1		Seal Washer	M18
M-3915703		1	Oil Pan	
M-3938162	1		Oil Pan Gasket	
M-3959052		1	Oil Pan Gasket	
M-3938157	1	1	Suction Tube Gasket	

B SERIES 2-VALVE

COOLING SYSTEM

Part #	Qty		Description	Note
	4B	6B		
M-3286277	1	1	Water Pump Kit	88mm pulley shielded impeller
M-3286278	1	1	Water Pump Kit	88mm pulley bare impeller
M-3286276	1	1	Water Pump Kit	76mm pulley
M-3906698	1	1	Seal Ring	
M-3802968	1	1	Thermostat Kit - 180°F	
M-3912246	1	1	Belt Tensioner	
M-3914086	1	1	Belt Tensioner	
M-3936213	1	1	Belt Tensioner	
M-3937553	1	1	Belt Tensioner	
M-3910739	1	1	Fan Hub Bearing	Brg & hub style
M-3914463	1	1	Fan Pulley	158mm diameter

MIDRANGE BELT LISTING

Part #	Ribs	Length	Part #	Ribs	Length
M-3283977	8	36.6"	M-3911558	8	59"
M-3918552	8	42.4"	M-3911563	8	60.5"
M-3920282	8	44.5"	M-3911572	8	61"
M-3925043	8	48.4"	M-3911573	8	61.5"
M-3929967	8	51.5"	M-3911559	8	62.5"
M-3911587	8	53.7"	M-3911575	8	63.5"
M-3938693	8	53.7"	M-3911564	8	64"
M-3288724	8	55"	M-3911561	8	65.5"
M-3911560	8	55"	M-3289213	8	68.5"
M-3911586	8	55.2"	M-3911580	8	68.5"
M-3911588	8	55.8"	M-3911582	8	70"
M-3911557	8	56"	M-3288497	8	70.5"
M-3935335	8	56"	M-3289325	8	70.5"
M-3929330	8	56.5"	M-3289659	8	76"
M-3911568	8	56.8"			
M-3911562	8	57.5"			

TURBOCHARGER & EXHAUST

Part #	Qty		Description	Note
	4B	6B		
M-4027309	1	1	Turbo Repair Kit	H1C / WH1C / H2A models
M-3575169	1	1	Turbo Repair Kit	HX35W models
M-3901356	1	1	Turbo Mounting Gasket	Dry dual throat
M-3921926	1	1	Turbo Mounting Gasket	Water cooled units
M-3818823	4	4	Mounting Stud	
M-3818824	4	4	Mounting Nut	
M-3901683		1	Exhaust Manifold	Front top turbo mount
M-3902347		1	Exhaust Manifold	Center side turbo mount
M-4020065		1	Exhaust Manifold - Wet	End turbo mount

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B SERIES 2-VALVE

GASKETS

Description	Part #	Qty		Notes
		4B	6B	
Aftercooler Gasket	M-3938153	1		JWAC core to head
Aftercooler Gasket	M-3938152		1	JWAC core to head
Air Crossover Gasket	M-3969988	1	1	
Cylinder Head Gasket - STD	M-3283333	1		
Cylinder Head Gasket - STD	M-3283335		1	
Cylinder Head Gasket - .25mm OS	M-3283337		1	
Exhaust Manifold Gasket	M-3927154	4	6	
Fuel Transfer Pump Gasket	M-3939258	1	1	
Gear Housing Gasket	M-3938156	1	1	
Gear Cover Gasket	M-3914385	1	1	Rotary pump units
Gear Cover Gasket	M-3918673	1	1	Inline pump units
Injection Pump Mounting Gasket	M-3939355	1	1	Rotary pump units
Injection Pump Mounting Seal	M-3969698	1	1	Inline pump Bosch P3000/P7100
Injection Pump Mounting Seal	M-3935032		1	Inline pump Bosch A & MW
Intake Gasket	M-3938153	1		
Intake Gasket	M-3938152		1	
Oil Cooler Core Gasket	M-4932124	1	1	
Oil Cooler Cover Gasket	M-3929792	1	1	
Oil Cooler Cover Gasket	M-3942915	1	1	STORM blocks with window
Oil Pan Gasket	M-3938162	1		
Oil Pan Gasket	M-3959052		1	
Oil Pan Drain Plug Gasket	M-3902425	1	1	
Oil Pan Side Plug Gasket	M-3920773	1	1	
Oil Pickup Tube Gasket	M-3938157	1	1	
Rocker Cover Gasket	M-3930906	4	6	
Rocker Cover Bolt O-ring	M-3910824	4	6	
Rocker Cover Bolt Isolator	M-3930543	4	6	
Tappet Cover Gasket	M-3283767	1		
Tappet Cover Gasket	M-3284623		1	
Tappet Cover Grommet Seal	M-3900267	4	6	
Thermostat Seal	M-3923331	1	1	
Turbocharger Mounting Gasket	M-3901356	1	1	
Turbocharger Mounting Gasket	M-3921926	1	1	Water cooled turbo
Turbocharger Oil Drain Gasket	M-3937706	1	1	
Water Inlet Connection Seal	M-3906697	1	1	
Water Pump Mounting Seal	M-3906698	1	1	

ISB/QSB 4-VALVE

CYLINDER & BLOCK COMPONENTS

Part #	Qty		Description	Notes
	4B	6B		
M-3934047	4	6	Piston Pin	
M-4931041	4	6	Piston Pin	
M-3939374	4		Piston Pin	Big pin 4.5L
M-3920691	8	12	Pin Retainer	
M-3939375	8		Pin Retainer	Big pin 4.5L
M-4943979	4	6	Connecting Rod - Fractured	Full sets only & different shells
M-3904166	AR	AR	Cylinder Bore Salvage Sleeve	
MCB6BEXPKS	1	1	Expansion Plug Kit	FGT STORM blocks

GASKET SETS

Part #	Qty		Description	Notes
	4B	6B		
M-4025107	1		Upper Gasket Set	ISBe3.9 RGT
M-4089780	1		Upper Gasket Set	
M-4955356	1		Upper Gasket Set	4.5L RGT
M-4090035		1	Upper Gasket Set	R/C isolators
M-4090037		1	Upper Gasket Set	R/C bolt & isolator assembly
M-4089871		1	Upper Gasket Set	ISBe5.9 RGT
M-4089263		1	Upper Gasket Set	ISB5.9 RGT EGR
M-4089819		1	Upper Gasket Set	ISB5.9 FGT EGR
M-4089957		1	Upper Gasket Set	QSB-M FGT
M-4955354		1	Upper Gasket Set	6.7L ISB07 Dodge FGT
M-4955229		1	Upper Gasket Set	6.7L RGT-ISBe
M-4955523		1	Upper Gasket Set	6.7L RGT-CM2150/2250
M-4025108	1		Lower Gasket Set	RGT
M-4955357	1		Lower Gasket Set	4.5L RGT
M-3800487		1	Lower Gasket Set	ISB VP44
M-3800833		1	Lower Gasket Set	QSB VP44
M-4025139		1	Lower Gasket Set	ISBe5.9 RGT
M-4089264		1	Lower Gasket Set	ISB5.9 RGT EGR
M-4089173		1	Lower Gasket Set	ISB5.9 FGT EGR
M-4089956		1	Lower Gasket Set	QSB-M FGT
M-4955355		1	Lower Gasket Set	6.7L ISB07 Dodge FGT
M-4955230		1	Lower Gasket Set	6.7L RGT-ISBe
M-4955522		1	Lower Gasket Set	6.7L RGT-CM2150/2250

RGT = Rear Gear Train FGT = Front Gear Train

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ISB/QSB 4-VALVE

ENGINE BEARINGS

Part #	Qty		Description	Notes
	4B	6B		
M-3939859	8	12	Rod Bearing - STD	For machined rods tri-metal reference
M-3901171	8	12	Rod Bearing - .25mm OS	
M-3901172	8	12	Rod Bearing - .50mm OS	
M-3901173	8	12	Rod Bearing - .75mm OS	
M-3901174	8	12	Rod Bearing - 1.00mm OS	
M-3969562	8	12	Rod Bearing - STD	For machined rods bi-metal reference
M-4932375	8	12	Rod Bearing - .25mm OS	
M-4932376	8	12	Rod Bearing - .50mm OS	
M-4932377	8	12	Rod Bearing - .75mm OS	
M-4932378	8	12	Rod Bearing - 1.00mm OS	
M-3939859	4	6	Rod Bearing - STD	For fracture split rods tri-metal upper shell reference
M-4893693	4	6	Rod Bearing - STD	
M-3901171	4	6	Rod Bearing - .25mm OS	
M-4892795	4	6	Rod Bearing - .25mm OS	
M-3901172	4	6	Rod Bearing - .50mm OS	
M-4892796	4	6	Rod Bearing - .50mm OS	
M-3901173	4	6	Rod Bearing - .75mm OS	
M-4892797	4	6	Rod Bearing - .75mm OS	
M-3901174	4	6	Rod Bearing - 1.00mm OS	
M-4892798	4	6	Rod Bearing - 1.00mm OS	
M-3969562	4	6	Rod Bearing - STD	For fracture split rods bi-metal upper shell reference
M-4893693	4	6	Rod Bearing - STD	
M-4932375	4	6	Rod Bearing - .25mm OS	
M-4892795	4	6	Rod Bearing - .25mm OS	
M-4932376	4	6	Rod Bearing - .50mm OS	
M-4892796	4	6	Rod Bearing - .50mm OS	
M-4932377	4	6	Rod Bearing - .75mm OS	
M-4892797	4	6	Rod Bearing - .75mm OS	
M-4932378	4	6	Rod Bearing - 1.00mm OS	
M-4892798	4	6	Rod Bearing - 1.00mm OS	
M-3802010	1		Main Bearing Set - STD	180° thrust set
M-3802011	1		Main Bearing Set -.25mm OS	
M-3802012	1		Main Bearing Set -.50mm OS	
M-3802013	1		Main Bearing Set -.75mm OS	
M-3802070		1	Main Bearing Set - STD	180° thrust set
M-3802071		1	Main Bearing Set -.25mm OS	
M-3802072		1	Main Bearing Set -.50mm OS	
M-3802073		1	Main Bearing Set -.75mm OS	
M-4955352		1	Main Bearing Set - STD	6.7L 180° thrust set
M-4955860		1	Main Bearing Set -.25mm OS	
M-4955861		1	Main Bearing Set -.50mm OS	
M-4955862		1	Main Bearing Set -.75mm OS	
M-3978824	1	1	360° Thrust Bearing - STD	
M-4938942	1	1	360° Thrust Bearing -.25mm OS	
M-4938943	1	1	360° Thrust Bearing -.50mm OS	
M-4938944	1	1	360° Thrust Bearing -.75mm OS	
M-3940059	2	2	Camshaft Bushing	
M-4891178	4	6	Connecting Rod Bushing	

ISB/QSB 4-VALVE

CRANKSHAFT SEALS

Rear Gear Train Units

Part #	Qty		Description	Notes
	4B	6B		
M-4890832	1	1	Front Seal	ISB / QSB
M-4890833	1	1	Rear Seal	ISB
M-4089342		1	Rear Crankshaft Seal Kit - STD	QSB
M-4955372		1	Rear Crankshaft Seal Kit - STD	QSB wet housing

Front Gear Train Units

M-3929027		1	Crankshaft Gear	FGT
M-3937111		1	Front Crankshaft Seal Kit - STD	Can use with quick repair sleeve
M-3906080		AR	Front Quick Repair Sleeve	
M-3802820		1	Front Seal Kit - OS	Integral seal & wear sleeve
M-4089342		1	Rear Crankshaft Seal Kit - STD	Can use with quick repair sleeve
M-4955372		1	Rear Crankshaft Seal Kit - STD	Double lip for wet housings
M-3906081		AR	Rear Quick Repair Sleeve	
M-3926126		1	Rear Crankshaft Seal Kit - OS	Integral seal & wear sleeve
M-4947667		1	Rear Cover Gasket	FGT
M-3912473		1	Rear Rectangular Seal	FGT
M-3957297		1	Vibration Damper	225mm OD Dodge
M-3918999		1	Vibration Damper	235mm OD

FGT = Front Gear Train

CYLINDER HEAD COMPONENTS-ISB/QSB

Part #	Qty		Description	Notes
	4B	6B		
M-3802924	8	12	Valve Kit - Intake	
M-3802967	8	12	Valve Kit - Exhaust	
M-4089672		12	Valve Kit - Exhaust	Premium marine H.O.
M-4955212		12	Valve Kit - Exhaust	Premium
M-3943449	8	12	Intake Seat	
M-3943450	8	12	Exhaust Seat	
M-3968184		12	Exhaust Seat	Premium
M-3940123	32	48	Valve Lock	
M-4936080	16	24	Valve Spring	
M-3943198	16	24	Spring Retainer	
M-3942989	16	12	Valve Stem Seal - Intake	Press on yellow
M-3945438	16	12	Valve Stem Seal - Exhaust	Press on green
M-3955393	16	12	Valve Stem Seal - Intake	Top hat yellow
M-3955394	16	12	Valve Stem Seal - Exhaust	Top hat green
M-3945866	8	12	Tappet	38mm 2.241"L
M-3947759	8	12	Tappet	38mm 2.119"L
M-3945094	1	2	Expansion Plug	
M-3945093	5	7	Expansion Plug	
M-3007635	9	14	Expansion Plug	
M-3920706	7	11	Expansion Plug	
M-3945095	2	2	Expansion Plug	

ISB/QSB 4-VALVE

ROCKER COVER

Part #	Qty		Description	Note
	4B	6B		
M-3935878		1	Rocker Cover Gasket	FGT VP44 pump
M-3946168		5	Rocker Cover Bolt	FGT VP44 pump
M-3954324		1	Rocker Cover Gasket	FGT HPCR
M-3900633		6	Rocker Cover Bolt	FGT HPCR
M-3087740		6	Rocker Cover Bolt Seal	FGT HPCR
M-4899228	1		Rocker Cover Gasket	RGT
M-4899226		1	Rocker Cover Gasket	RGT

RGT = Rear Gear Train FGT = Front Gear Train

FUEL SYSTEM

M-4943048		1	Fuel Transfer Pump	12 volt VP44 pump
M-9600159		1	Fuel Pump Seal Kit	VP44

LUBRICATION SYSTEM

M-4939587		1	Lube Oil Pump	FGT
M-4939588		1	Lube Oil Pump	RGT
M-3921158		1	Oil Cooler Core	FGT 5.9L
M-3960067	1		Oil Cooler Core	RGT 3.9L
M-3959031		1	Oil Cooler Core	RGT 5.9L
M-3975818		1	Oil Cooler Core	RGT 6.7L
M-3918428		1	Pressure Regulator Plunger	FGT
M-4896404	1	1	Pressure Regulator Plunger	RGT 3.9/5.9L
M-3925009	1	1	Pressure Regulator Spring	
M-3936365	1	1	Pressure Relief Valve	
M-3937214		6	Piston Cooling Nozzle	
M-4937308	4	6	Piston Cooling Nozzle	RGT

RGT = Rear Gear Train FGT = Front Gear Train

COOLING SYSTEM

M-3286278		1	Water Pump Kit	88mm pulley bare impeller
M-3800984	1	1	Water Pump Kit	
M-4955394		1	Water Pump Kit	
M-3906698	1	1	Seal Ring	
M-3967195	1	1	Thermostat Kit - 180°F	
M-3937171		1	Thermostat Kit - 190°F	
M-4929644	1	1	Thermostat Kit - 190°F	
M-3954829	1	1	Seal Ring	
M-3912254		1	Belt Tensioner	
M-3937555		1	Belt Tensioner	
M-3910739	1	1	Fan Hub Bearing	

ISB/QSB 4-VALVE

MIDRANGE BELT LISTING

Part #	Ribs	Length	Part #	Ribs	Length
M-3283977	8	36.6"	M-3911562	8	57.5"
M-3918552	8	42.2"	M-3911558	8	59"
M-3902282	8	44.5"	M-3911563	8	60.5"
M-3925043	8	48.4"	M-3911572	8	61"
M-3929967	8	51.5"	M-3911573	8	61.5"
M-3911587	8	53.7"	M-3911559	8	62.1"
M-3938693	8	53.7"	M-3911575	8	63.1"
M-3988724	8	55"	M-3911564	8	64"
M-3911560	8	55"	M-3911561	8	65.5"
M-3911586	8	55.2"	M-3289213	8	68.5"
M-3911588	8	55.8"	M-3911580	8	68.5"
M-3911557	8	56"	M-3911582	8	70"
M-3935335	8	56"	M-3288497	8	70.5"
M-3929330	8	56.5"	M-3289325	8	70.5"
M-3911568	8	56.8"	M-3289659	8	76"

ISB/QSB VP44

GASKETS

Description	Part #	Qty	Note
		6B	
Air Crossover Gasket	M-3969988	1	2 with air heater
Air Transfer Seal Ring	M-3883284	1	
Cylinder Head Gasket - STD	M-3977063	1	
Exhaust Manifold Gasket	M-5266422	6	
Gear Housing Gasket	M-3938156	1	
Injection Pump Mounting Seal	M-3935032	1	
Intake Manifold Cover Gasket	M-3947530	1	
Oil Cooler Core Gasket	M-4932124	1	
Oil Cooler Cover Gasket	M-3942915	1	
Oil Pan Gasket	M-3959052	1	
Oil Pan Drain Plug Gasket	M-3920773	1	
Oil Pan Side Plug Gasket	M-3902425	1	
Oil Pickup Tube Gasket	M-3938157	1	
Rocker Cover Gasket	M-3935878	1	
Rocker Cover Bolt Isolator	M-3946168	5	
Tappet Cover Gasket	M-3284623	1	
Tappet Cover Grommet Seal	M-3928759	6	
Thermostat Seal	M-3954829	1	
Turbocharger Mounting Gasket	M-3709861	1	
Turbocharger Mounting Gasket	M-3921926	1	Water cooled turbo
Turbocharger Oil Drain Gasket	M-3519807	1	
Water Inlet Connection Seal	M-3906697	2	
Water Pump Mounting Seal	M-3906698	1	

ISB/QSB HPCR

GASKETS

Description	Part #	Qty		Note
		4B	6B	
Air Compressor Mounting Seal	M-3906252	1	1	
Exhaust Manifold Gasket	M-2830444	4	6	
Exhaust Manifold Gasket	M-3946275		6	FGT
Exhaust Manifold Lock	M-3990120		2	FGT
Fuel Transfer Cover Gasket	M-3939258		1	
Gear Housing Gasket	M-3947814		1	FGT
Injection Pump Mounting Seal	M-3949688		1	FGT
Injection Pump Mounting Seal	M-4890088	1	1	
Intake Manifold Cover Gasket	M-3947530		1	2pc intake
Intake Connection Gasket	M-3969988		1	2pc intake
Oil Cooler Core Gasket	M-4895742	1	1	
Oil Cooler Cover Gasket	M-4896409	1	1	
Oil Cooler Cover Gasket	M-3864458		1	FGT
Oil Pan Gasket	M-4939246	1		
Oil Pan Gasket	M-4934344		1	
Oil Pan Gasket	M-3958165		1	FGT
Oil Pan Drain Plug Gasket	M-3865398	2		
Oil Pan Drain Plug Gasket	M-3902425		1	
Oil Pan Side Plug Gasket	M-3920773		1	
Oil Pickup Tube Gasket	M-4898301	1	1	
Oil Pickup Tube Gasket	M-3949562		1	FGT
Rocker Cover Gasket	M-4899228	1		
Rocker Cover Gasket	M-4899226		1	
Rocker Cover Gasket	M-3954324		1	FGT
Rocker Cover Bolt O-ring	M-3087740		6	FGT
Rocker Cover Isolator	M-4899239	4	6	
Rocker Lever Housing Gasket	M-4899230	1		
Rocker Lever Housing Gasket	M-4899231		1	
Rocker Lever Housing Gasket	M-3963379		1	FGT
Thermostat Seal	M-3942454	1	1	
Thermostat Seal	M-3954829		1	FGT
Turbocharger Mounting Gasket	M-3932475	1		
Turbocharger Mounting Gasket	M-3919369		1	
Turbocharger Mounting Gasket	M-3949530		1	FGT
Turbocharger Oil Drain Gasket	M-3934368	1		
Turbocharger Oil Drain Gasket	M-4891288		1	
Turbocharger Oil Drain Gasket	M-4931365		1	FGT
Water Inlet Connection Seal	M-3906697	1	1	
Water Pump Mounting Seal	M-3906698	1	1	

FGT = Front Gear Train

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C SERIES

C/ISC/ISL SERIES & CPL LISTING



INTERSTATE-McBEE



C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON	PISTON KIT
311	6CTAA8.3	A	1	3925878	3802601
333	6CTAA8.3	A	1	3917707	3802263
422	QSL	C	9	4941393	4089963
423	QSL	C	9	4941393	4089963
601	6C8.3-C	C/G/P/M	1	3923165	3802396
602	6CT8.3	C/G	1	3923163	3802397
603	6CT8.3	A/G	1	3923163	3802397
604	6CTA8.3	C	1	3923164	3802398
605	6CTA8.3		1	3923164	3802398
722	6CTA8.3	C	1	3923537	3802474
752	6C8.3	A	1	3923165	3802396
753	6CT8.3	A/C	1	3923163	3802397
754	6CTA8.3	A	1	3923164	3802398
755	6CTA8.3	C/P/A	1	3923164	3802398
805	6C8.3	C/M	1	3923165	3802396
819	6CT8.3	A/C	1	3923163	3802397
828	6CT8.3	C	1	3923163	3802397
829	6CT8.3	G	1	3923163	3802397
830	6CTA8.3	A/C	1	3923164	3802398
831	6CTA8.3	G	1	3923164	3802398
883	6CTAA8.3	A	1	3925878	3802601
890	6CTA8.3	A	1	3923164	3802398
892	6CTA8.3	A	1	3923164	3802398
893	6CTA8.3	A	1	3923164	3802398
913	6CTAA8.3-C	C	1	3917707	3802263
942	6CT8.3	C/G	1	3923163	3802397
954	6CTA8.3	A	1	3923165	3802396
955	6CT8.3	A	1	3923163	3802397
959	6CTA8.3	A/C	1	3923164	3802398
982	6CTAA8.3	A	1	3923164	3802398
984	6CTA8.3	C	1	3923164	3802398
985	6CT8.3	C/G/P	1	3923163	3802397
997	6CTAA8.3-C	C	1	3917707	3802263
1096	ISL	A	12	4941396	4955237
1098	6CTAA8.3	A	1	3925878	3802601
1153	6CTA8.3M	M	1	3923537	3802474
1196	6CTA8.3	A	1	3923165	3802396
1212	6CTA8.3-C	C	1	3923164	3802398
1216	6CT8.3-M	M	1	4019886	4020059
1217	6CT8.3-M	M	1	4019986	4020059
1221	6CT8.3-M	M	1	4019886	4020059
1222	6CTA8.3	C	1	3923164	3802398
1248	6CT8.3	A	1	3923163	3802397
1262	6CTAA8.3	91C A	1	3917707	3802263

Footnote:

A = Automotive C = Construction M = Marine G = Generator

C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON	PISTON KIT
1263	6CTAA8.3	91C A	1	3917707	3802263
1269	6CTA8.3	A/M	1	3923164	3802398
1270	6CTA8.3-C	C	1	3923164	3802398
1273	6CTA8.3-C	C	1	3923164	3802398
1274	6CT8.3-C	C	1	3923163	3802397
1275	6CT8.3-C	C	1	3923163	3802397
1281	6CT8.3	A	1	3923163	3802397
1282	6CTA	M	1	4019886	4020058
1286	ISL	A	10	4941395	4089944
1321	6CTA8.3	C	1	3923164	3802398
1356	6CT8.3-M	M	1	3923163	3802397
1366	6CTA8.3-M	M	1	4019886	4020059
1371	6CTA8.3	91C A	1	3919247	3802344
1372	6CTA8.3	91C A	1	3919247	3802344
1377	6CTA8.3	A	1	3923164	3802398
1404	QSL	C	9	4941393	4089963
1406	6CTAA8.3	91C A	1	3917707	3802263
1419	6CTA8.3	C	1	3923164	3802398
1435	6CTA8.3	A	1	3923165	3802396
1439	6CTAA8.3	91C A	1	3925673	3802484
1464	6CT8.3-C	C	1	3923163	3802397
1480	ISL	A	10	4941395	4089944
1539	6CTA8.3-C	C	1	3923164	3802398
1547	6CTA8.3-C	A/C	1	3923164	3802398
1563	6CTA8.3	94C A	1	3925878	3802601
1564	6CTA8.3	94C A	1	3926961	3802460
1565	6CTA8.3	94C A	1	3925878	3802601
1566	C8.3-250/275	94C A	1	3926961	3802460
1567	6CTA8.3	94C A	1	3926961	3802460
1568	6CTA8.3	94C A	1	3926961	3802460
1569	6CTA8.3	94C A	1	3925878	3802601
1603	6CT8.3	C	1	3923163	3802397
1604	6CTA8.3		1	3923164	3802398
1612	6CTA8.3		1	3923164	3802398
1614	C8.3-250/275		1	3923537	3802474
1615	C8.3-290	91C A	1	3917707	3802263
1616	6CT8.3		1	3923163	3802397
1618	C8.3-210	91C A	1	3917707	3802263
1633	6CTA8.3		1	3923164	3802398
1639	6CTA8.3		1	3923164	3802398
1658	C8.3-250/275	94C A	1	3926961	3802460
1668	C8.3-260		1	3917707	3802263
1786	6CTA8.3	C	1	3923537	3802474
1793	QSL	C	10	4941395	4089944
1796	6GTA8.3-C	C	2	3992117	4089348

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C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE#	PISTON	PISTON KIT
1804	6CTA8.3		1	3923164	3802398
1811	6CTA8.3	94C A	1	3926961	3802460
1812	C8.3-250	94C A	1	3925878	3802601
1819	6CTA8.3	94C A	1	3926961	3802460
1820	6CTA8.3	94C A	1	3926961	3802460
1821	6CTA8.3	94C A	1	3925878	3802601
1826	6CTA8.3		1	3923164	3802398
1845	6CTA8.3	94C A	1	3929161	3802657
1846	6CTAA8.3	94C A	1	3929161	3802657
1861	ISL	A	10	4941395	4089944
1899	6CTA8.3		1	3919565	3802398
1905	C8.3-275	94C A	1	3926961	3802460
1917	6CTA8.3	94C A	1	3925878	3802601
1918	6CTAA8.3	94C A	1	3926961	3802460
1919	6CTA8.3	94C A	1	3926961	3802460
1920	C8.3-250	94C A	1	3925878	3802601
1922	C8.3-270	94C A	1	3926961	3802460
1923	C8.3-250	94C A	1	3925878	3802601
1929	6CTA8.3		1	4019886	4020058
1943	6CT8.3	94C A/C	1	3929161	3802657
1949	6CTAA8.3	94C A	1	3926961	3802460
1950	C8.3-275	94C A	1	3926961	3802460
1978	ISL	A	10	4941395	4089944
1979	ISL	A	10	4941395	4089944
1999	C8.3	94C A	1	3926961	3802460
2007	6CTA8.3	94C A	1	3929161	3802657
2020	G6CTA8.3	C	2	3992117	4089348
2034	C8.3-275	94C A	1	3926961	3802460
2054	6CTA8.3	94C A	1	3929161	3802657
2055	6CTA8.3	94C A	1	3929161	3802657
2056	6CTA8.3	94C A	1	3929161	3802657
2057	6CTA8.3	94C A	1	3929161	3802657
2060	6CT8.3	94C A	1	3929161	3802657
2061	6CT8.3	94C A	1	3929161	3802657
2062	6CTA8.3	94C A	1	3929161	3802657
2082	6CTAA8.3		1	3929161	3802657
2085	ISC	A	3	4932720	4955581
2092	ISC-300	A	4	3942106	3800318
2101	C8.3-210	94C A	1	3925878	3802601
2102	C8.3-300	94C A	1	3926961	3802460
2103	6CTAA8.3	94C A	1	3925878	3802601
2104	6CTA8.3	A	1	3925878	3802601
2105	C8.3-300	A	1	3926961	3802460
2106	6CTA8.3	94C A	1	3925878	3802601

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C/ISC/ISL SERIES CPL LISTING

CPL#	MODEL	APP	LINE#	PISTON	PISTON KIT
2107	C8.3-250	94C A	1	3925878	3802601
2108	6CTA8.3	94C A	1	3925878	3802601
2114	6CTAA8.3	94C A	1	3926961	3802460
2118	6CTAA8.3	94C C	1	3929161	3802657
2120	6CTA8.3	94C C	1	3929161	3802657
2150	C8.3-250	94C A	1	3925878	3802601
2158	6CTA8.3	94C A	1	3926961	3802460
2167	G6CTA8.3	C	2	3992117	4089348
2169	6CTAA8.3	94C A	1	3926961	3802460
2172	6CTA8.3	M	1	4019886	4020059
2179	C8.3-250G	C	2	3932117	4089348
2180	G6CTA8.3	C	2	3932117	4089348
2185	6CT8.3	94C C	1	3929161	3802657
2191	6CTA8.3	94C A	1	3926961	3802460
2193	C8.3-220	94C A	1	3925878	3802601
2194	C8.3-245/260	94C A	1	3925878	3802601
2196	6CTAA8.3	94C C	1	3925878	3802601
2216	6CT8.3	94C C	1	3929161	3802657
2217	6CT8.3-G3	94C G	1	3929161	3802657
2218	6CTA8.3	96 C C	1	3929161	3802657
2219	6CTA8.3	96C C	1	3929161	3802657
2229	ISC-350	A	5	3943367	3800320
2230	ISC-285	A	4	3942106	3800318
2231	ISC-275	A	4	3942106	3800318
2232	ISC-250	A	4	3942106	3800318
2233	ISC-250	A	4	3942106	3800318
2234	ISC-230	A	4	3942106	3800318
2235	ISC-215	A	4	3942106	3800318
2236	ISC-250/280	A	4	3942106	3800318
2237	ISC-250	A	4	3942106	3800318
2238	QSC8.3	C	5	3943367	3800320
2239	6CTA8.3	C	5	3943367	3800320
2241	6CTA8.3	C	4	3942106	3800318
2250	6CTA8.3	96C C	1	3929161	3802657
2288	6CTA8.3G		2	3992117	4089348
2289	G6CTA8.3	C	2	3992117	4089348
2298	ISC-330	A	5	3943367	3800320
2299	6CTA8.3	C	4	3942106	3800318
2307	6CTAA8.3	96C C	1	3925878	3802601
2333	6CT8.3M	M	1	3923537	3802474
2337	6CTA8.3M	M	1	3923537	3802474
2367	C8.3-280	91C A	1	3917707	3802263
2368	6CTAA8.3	91C A	1	3917707	3802263
2380	C8.3-225	A/C	1	3923164	3802398

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C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON	PISTON KIT
2381	6CTAA8.3	A	1	3919247	3802344
2383	6CTA	C	1	3919247	3802344
2464	6CTA8.3G		2	3992117	4089348
2474	6G8.3-C	C	2	3992117	4089348
2475	ISL-330	A	6	3967507	3800910
2481	6CTA8.3	C	5	3943367	3800320
2482	6G8.3-C	C	2	3992117	4089348
2531	6CTAA8.3		1	3917707	3802263
2532	6CTAA8.3	98	1	3925878	3802601
2535	ISL	A	6	3967507	3800910
2549	6CTA8.3	A	1	3929161	3802657
2556	6CT8.3	99	1	3929161	3802657
2642	6CTAA8.3		1	3929161	3802657
2688	ISC	A	4	3942106	3800318
2689	ISC-240	A	4	3942106	3800318
2690	ISC-260	A	4	3942106	3800318
2691	ISC-260	A	4	3942106	3800318
2692	ISC-285	A	4	3942106	3800318
2693	ISC-300	A	4	3942106	3800318
2694	ISC-315	A	4	3942106	3800318
2695	ISC-350	A	5	3943367	3800320
2701	QSL	C	12	4941396	4955237
2736	QSL	C	12	4941396	4955237
2724	QSL	C	10	4941395	4089944
2815	6CTA8.3G	C	2	3394459	4089433
2833	6CTA8.3	M	1	3929161	3802657
2964	6CTA8.3	A	4	3942106	3800318
2873	6CT8.3	M	1	3929161	3802657
2874	6CTA8.3		1	3929161	3802657
2892	6CTA8.3	C	5	3943367	3800320
2894	6CTAA8.3	C	1	3929161	3802657
2908	QSL	C	10	4941395	4089944
2946	ISL	A	10	4941395	4089944
2951	6CTA8.3	A	1	3929161	3802657
2960	6CTA8.3-M	M	1	4019886	4020058
2984	6C8.3G		2	3992117	4089348
2985	6C8.3G		2	3992117	4089348
2986	6C8.3G		2	3992117	4089348
2987	6C8.3G		2	3992117	4089348
2991	6C8.3G		2	3992117	4089348
2991	6C8.3G		2	3992117	4089348
2992	6C8.3G		2	3992117	4089348
2993	6C8.3G		2	3992117	4089348
2995	6CTAA8.3		1	3917707	3802263
2996	6CTAA8.3	A/C	1	3917707	3802263

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C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON	PISTON KIT
2997	6CTAA8.3-C	C	1	3917707	3802263
3092	ISC	A	3	4932720	4955581
3093	ISC	A	3	4932720	4955581
3105	6CTAA8.3	A	1	3925878	3802601
3121	ISL	A	11	4932721	4955530
3150	6G8.3-C	C	2	3992117	4089348
3153	ISC	A	3	4932720	4955581
3155	ISL	A	11	4932721	4955530
3157	ISL	A	11	4932721	4955530
3211	ISL	A	10	4941395	4089944
3212	ISL	A	10	4941395	4089944
3213	ISL	A	10	4941395	4089944
3312	ISL	A	10	4941395	4089944
3318	6G8.3-CG	C	2	3992117	4089318
3332	6CTA8.3C	C	1	3929161	3802657
3365	ISC	A	3	4932720	4955581
3366	ISC	A	3	4932720	4955581
3522	ISL	A	10	4941395	4089944
3689	ISL	A	11	4932721	4955530
3732	ISL	A	11	4932721	4955530
3733	ISL	A	11	4932721	4955530
3772	ISL	A	11	4932721	4955530
8000	6CTAA8.3	A	1	3929161	3802657
8003	6CTA8.3G	C	2	3992118	4089346
8004	6CTA8.3G	C	2	3992118	4089346
8005	6CTA8.3G	C	2	3992118	4089346
8007	6CTA8.3G	C	2	3992118	4089346
8010	6CTA8.3G	C	2	3992118	4089346
8012	6CTA8.3G	C	2	3992118	4089346
8013	6CTA8.3G	C	2	3992118	4089346
8014	6CTA8.3G	C	2	3992118	4089346
8016	ISL	A	10	4941395	4089944
8042	ISL	A	10	4941395	4089944
8056	ISC	A	5	3943367	3800320
8088	QSC	C	4	3942106	3800318
8089	6CTA8.3	M	1	4019886	4025366
8106	ISL	A	10	4941395	4089944
8145	6CTAA8.3	C	1	3917707	3802263
8146	6CTAA8.3-C	C	1	3917707	3802263
8151	QSC	C	5	3943367	3800320
8152	QSC	C	5	3943367	3800320
8153	QSC	C	4	3942106	3800318
8158	ISL	A	10	4941395	4089944
8159	QSC	C	7	4933120	4955190
8181	QSL	C	10	4941395	4089944
8182	QSL	C	10	4941395	4089944

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C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON	PISTON KIT
8185	6CTAA8.3-C	C	1	3917707	3802263
8197	6CTAA8.3-C	C	1	3917707	3802263
8203	QSC	C	4	3942106	3800318
8211	6CTAA8.3-C	C	1	3917707	3802263
8220	ISC	A	7	4933120	4955190
8221	ISL-350	A	8	4941392	4089646
8222	6CTAA8.3-C	C	1	3929161	3802657
8264	QSC	C	5	3943367	3800320
8269	6CTA8.3G	C	2	3992118	4089346
8270	6CTA8.3G	C	2	3394459	4089433
8277	6CTA	C	1	3917707	3802263
8289	6CT8.3	C	1	3929161	3802657
8290	6CT8.3	C	1	3929161	3802657
8307	6CTAA8.3-C	C	1	3917707	3802263
8308	6CTA8.3G	C	2	3992118	4089346
8367	QSC	C	5	3943367	3800320
8375	QSC	C	5	3943367	3800320
8388	6CTAA8.3-C	C	1	3929161	3802657
8389	ISL	A	8	4941392	4089646
8414	6CT8.3	A	1	3923537	3802474
8418	6CTA8.3	A	1	3923537	3802474
8419	QSL	M	10	4941395	4089944
8430	ISC	A	7	4933120	4955190
8436	6CTA8.3G	C	2	3992117	4089348
8437	6CTA8.3G	C	2	3394459	4089433
8458	ISL	A	8	4941392	4089646
8473	ISL-330	A	10	4941395	4089944
8474	ISL	A	10	4941395	4089944
8475	ISL	A	10	4941395	4089944
8478	QSL	C	10	4941395	4089944
8479	QSL	C	10	4941395	4089944
8494	6CTAA8.3	A	7	4933120	4955190
8509	6CTA8.3-D	M	1	3929161	3802657
8535	QSC	C	7	4933120	4955190
8537	QSC	C	7	4933120	4955190
8538	QSC	C	7	4933120	4955190
8539	QSC	C	7	4933120	4955190
8547	QSL	C	9	4941393	4089963
8548	QSL	C	9	4941393	4089963
8578	6CTAA8.3	C	4	3942106	3800318
8596	6CTA8.3G	C	2	3992117	4089348
8600	QSL	C	10	4941395	4089944
8626	QSC	C	7	4933120	4955190
8627	QSC	C	7	4933120	4955190
8630	QSC	C	7	4933120	4955190
8631	6CTAA8.3	C	7	4933120	4955190

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C/ISC/ISL SERIES CPL LISTING

CPL #	MODEL	APP	LINE #	PISTON	PISTON KIT
8632	QSC	C	7	4933120	4955190
8633	QSC	C	7	4933120	4955190
8634	QSC	C	7	4933120	4955190
8635	QSC	C	7	4933120	4955190
8636	QSC	C	7	4933120	4955190
8637	QSC	C	7	4933120	4955190
8639	QSC	C	7	4933120	4955190
8640	QSL	C	9	4941393	4089963
8641	QSL	C	9	4941393	4089963
8643	QSL	C	9	4941393	4089963
8646	QSL	C	9	4941393	4089963
8647	QSL	C	9	4941393	4089963
8648	QSL	C	9	4941393	4089963
8649	QSL	C	9	4941393	4089963
8650	QSL	C	9	4941393	4089963
8651	QSL	C	9	4941393	4089963
8657	6CTAA8.3-C	C	1	3917707	3802263
8662	ISL	A	8	4941392	4089646
8692	ISC-280	A	7	4933120	4955190
8693	QSL	C	10	4941395	4089944
8695	QSL	C	9	4941393	4089663
8697	ISC	A	7	4933120	4955190
8698	ISC-315	A	7	4933120	4955190
8703	ISL	A	10	4941395	4089944
8717	ISL	A	8	4941392	4089646
8718	ISL	A	8	4941392	4089646
8728	ISC	A	7	4933120	4955190
8729	ISC-300	A	7	4933120	4955190
8730	ISC	A	7	4933120	4955190
8745	QSC	C	7	4933120	4955190
8746	QSC	C	7	4933120	4955190
8759	6CTC8.3C	C	1	3929161	3802657
8765	6CTAA8.3	A	1	3923537	3802474
8772	6CTA8.3G	C	2	3992118	4089346
8773	6CTA8.3G	C	2	3992118	4089346
8774	6CTA8.3G	C	2	3992118	4089346
8780	ISL	A	8	4941392	4089646
8786	ISC	A	3	4932720	4955581
8792	ISL	A	11	4932721	4955530

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ENGINE KITS

LINE	ENGINE KIT	PISTON KIT	PISTON	SKIRT	RING SET	PIN
1	IF/OH3907792 IF/OH3919937 IF/OH3948095	3802263	3917707		3802429	3934046
		3802344	3919247		3802429	3934046
		3802397	3923163		3802429	3934046
		3802398	3923164		3802429	3934046
		3802396	3923165		3802429	3934046
		3802474	3923537		3802429	3934046
		3802601	3925878		3802429	3934046
		3802657	3929161		3802429	3934046
		4020058	4019886		3802429	3934046
2	IF/OH3907792G IF/OH3919937G IF/OH3948095G	4089348	3992117		4025290	3934046
		4089433	3394459		4025290	3934046
		4089346	3992118		4025290	3934046
3	IF/OH4955581	4955581	4932720		4955651	3950549
4	IF/OH3800318	3800318	3942106		3802429	3934046
5	IF/OH3800320	3800320	3943367		3802538	3934046
6	IF/OH3800910	3800910	3967507	3948069	3800912	3934046
7	IF/OH4955190/Q	4955190	4933120		4089644	3950549
8	IF/OH4089646	4089646	4941392	3966721	4089644	3950549
9	IF/OH4089963	4089963	4941393	3966721	4089644	3950549
10	IF/OH4089944★	4089944	4941395	3966721	4089644	3950549
11	IF/OH4955530	4955530	4932721	4936397	4955651	3950549
12	IF/OH4955237	4955237	4941396	3966721	4089644	3950549

★ Check upper gasket set using engine serial number.

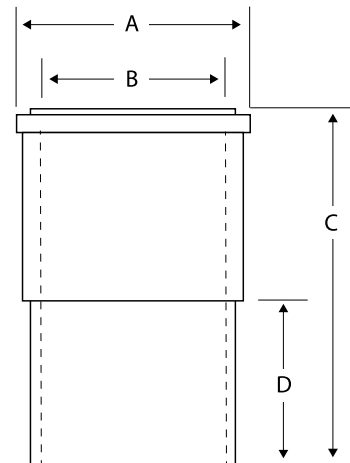
C I/QSC I/QSL

CYLINDER & BLOCK COMPONENTS

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3802370	1			Liner Kit	≤ 44706126 & 21123436
M-3802407	1			Liner Kit	44706127 to 45636465 21123437 to 21301476
M-3800328	1	1	1	Liner Kit	≥ 45636466 & 21301477
M-3907177	1	1	1	Liner Seal Ring	
M-3934046	1			Piston Pin	
M-3950549		1	1	Piston Pin	
M-3920692	2	2	2	Piston Pin Retainer	
M-3971394	1	1		Connecting Rod	
M-3928870	2	2		Bolt	
M-3901381	2	2		Nut	
M-3802367	1			Kit Cylinder Block Hardware	

Liner Identification

Liner Kit	M-3802370	M-3802407	M-3800328
Bare Liner	M-3907792	M-3919937	M-3948095
Dim A	133mm (5.23)	131mm (5.15)	131mm (5.15)
Dim B	114mm (4.48)	114mm (4.48)	114mm (4.48)
Dim C	239mm (9.40)	239mm (9.40)	236mm (9.29)
Dim D	114mm (4.48)	114mm (4.48)	111mm (4.37)
Top Wall Thickness	9mm (0.35)	8mm (0.31)	8mm (0.31)



Liner Shims

M-3924445	Shim	A/R	0.25mm Oversize (0.010 in.)
M-3924446	Shim	A/R	0.38mm Oversize (0.015 in.)
M-3924447	Shim	A/R	0.51mm Oversize (0.020 in.)
M-3924448	Shim	A/R	0.75mm Oversize (0.030 in.)
M-3924449	Shim	A/R	1.00mm Oversize (0.040 in.)

C I/QSC I/QL

GASKET SETS

Part #	Quantity			Description	Note
	6C	I/QSC	I/QL		
M-4025271	1			Upper Gasket Set	
M-3800747	1			Upper Gasket Set - .25mm OS	
M-3800748	1			Upper Gasket Set - .50mm OS	
M-4025274	1			Upper Gasket Set	C gas automotive
M-2881954	1			Upper Gasket Set	C gas industrial
M-4089958		1	1	Upper Gasket Set	CAPS CM554
M-4089758		1	1	Upper Gasket Set	HPCR CM850 ISC/ISL
M-4089978		1	1	Upper Gasket Set	HPCR CM850 QSC/QL
M-4955643		1	1	Upper Gasket Set	HPCR CM2150/2250 ISC/ISL
M-3800558	1			Lower Gasket Set	
M-3800343		1		Lower Gasket Set	CAPS CM554
M-3800929			1	Lower Gasket Set	CAPS CM554
M-4089759		1	1	Lower Gasket Set	HPCR CM850 ISC/ISL
M-4089979		1		Lower Gasket Set	HPCR CM850 QSC
M-4089889			1	Lower Gasket Set	HPCR CM850 QSL
M-4955644		1		Lower Gasket Set	HPCR CM2150 ISC
M-4089889			1	Lower Gasket Set	HPCR CM2150 ISL
M-4089759			1	Lower Gasket Set	HPCR CM2250 ISL

ENGINE BEARINGS

Part #	Quantity			Description	Note
	6C	I/QSC	I/QL		
M-3950661	12	12	12	Rod Bearing - STD	
M-3901431	12	12	12	Rod Bearing - .25mm OS	
M-3901432	12	12	12	Rod Bearing - .50mm OS	
M-3901433	12	12	12	Rod Bearing - .75mm OS	
M-3901434	12	12	12	Rod Bearing - 1.00mm OS	
M-3950661			6	Rod Bearing - STD	
M-3966244			6	Rod Bearing - STD	
M-3901431			6	Rod Bearing - .25mm OS	
M-3966245			6	Rod Bearing - .25mm OS	
M-3901432			6	Rod Bearing - .50mm OS	
M-3966246			6	Rod Bearing - .50mm OS	
M-3901433			6	Rod Bearing - .75mm OS	
M-3966247			6	Rod Bearing - .75mm OS	
M-3901434			6	Rod Bearing - 1.00mm OS	
M-3966248			6	Rod Bearing - 1.00mm OS	
M-3945917	1	1	1	Main Bearing Set - STD	
M-3945918	1	1	1	Main Bearing Set - .25mm OS	
M-3945919	1	1	1	Main Bearing Set - .50mm OS	
M-3945920	1	1	1	Main Bearing Set - .75mm OS	
M-3945921	1	1	1	Main Bearing Set - 1.0mm OS	
M-3945329	7	7	7	Camshaft Bushing	
M-3901969	1	1	1	Block Expansion Plug	Rear cam bore
M-3926048		1	1	Seal Ring	Rear cam bore
M-3913990	6			Connecting Rod Bushing	
M-4944137		6	6	Connecting Rod Bushing	

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C I/QSC I/QSL

CRANKSHAFT & SEALS

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3918986	1			Crankshaft	Bare without gear
M-4025270	1	1	1	Front Crankshaft Seal Kit - STD	
M-4024883				Front Crankshaft Seal Kit - STD	
M-3908277	AR	AR	AR	Front Quick Repair Sleeve	Use with STD seals
M-3925343	1	1	1	Front Seal Kit - OS	Integral seal & wear sleeve
M-4089342	1	1	1	Rear Crankshaft Seal Kit - STD	
M-4955372	1	1	1	Rear Crankshaft Seal Kit - STD	Double lip for wet housings
M-3906081	1	1	1	Rear Quick Repair Sleeve	Use with STD seals
M-3926126	1	1	1	Rear Crankshaft Seal Kit - OS	Integral seal & wear sleeve
M-3939353	1	1	1	Rear Cover Gasket	
M-3912473	1	1	1	Rear Rectangular Seal	

CYLINDER HEAD COMPONENTS—C8.3

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3802463	6			Valve Kit - Intake	
M-3802812	6			Valve Kit - Intake	C-gas
M-3924582	6			Intake Seat	
M-3927256	6			Intake Seat	C-gas
M-3802085	6			Valve Kit - Exhaust	
M-3802813	6			Valve Kit - Exhaust	C-gas
M-3924583	6			Exhaust Seat	
M-3928174	6			Exhaust Seat	Premium applications
M-3933088	6			Exhaust Seat	C-gas
M-3901177	24			Valve Lock	
M-3923564	12			Valve Guide	
M-3906412	12			Valve Spring	
M-3925272	12			Valve Spring	Premium applications
M-3972757	12			Spring Retainer	
M-3925273	12			Rotator	Premium applications
M-3927642	12			Valve Stem Seal	
M-3930057	12			Valve Stem Seal	C-gas
M-3901717	12			Rocker Lever	
M-3927692	12			Adjuster Nut	
M-3900706	12			Adjuster Screw	
M-3901693	6			Rocker Lever Clamp	
M-3901693	6			Rocker Lever Support	
M-3912209	6			Rocker Lever Shaft	
M-3901764	12			Rocker Lever Shaft Retainer	
M-3931623	12			Tappet	
M-3945866	12			Tappet	38mm
M-3905194	12			Push Rod	
M-3917728	14			Cylinder Head Bolt	
M-3917729	12			Cylinder Head Bolt	
M-3008464	1			Pipe Plug	1/16 NPT
M-3008466	1			Pipe Plug	¼ NPT
M-3008468	1			Pipe Plug	½ NPT
M-3920443	1			Expansion Plug	
M-3032693	5			Expansion Plug	1.198"
M-3922072	2			Expansion Plug	58mm

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C I/QSC I/QSL

CYLINDER HEAD COMPONENTS-I/QSC & I/QSL

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3800340		12	12	Valve Kit - Intake	
M-4089761		12	12	Valve Kit - Intake	CM850 & CM2150
M-3940152		12	12	Intake Seat	
M-3969704		12	12	Intake Seat	CM850 & CM2150
M-3800341		12	12	Valve Kit - Exhaust	
M-4089762		12	12	Valve Kit - Exhaust	CM850 & CM2150
M-3940153		12	12	Exhaust Seat	
M-3968074		12	12	Exhaust Seat	CM850 & CM2150
M-3900250		48	48	Valve Lock	
M-4934063		24	24	Valve Guide	
M-4936076		24	24	Valve Spring	
M-3944452		24	24	Spring Retainer	
M-3948578		24	24	Valve Stem Seal	
M-3945866		12	12	Tappet	38mm
M-3917728		26	26	Cylinder Head Bolt	

ROCKER COVER

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3905449	1			Rocker Cover Gasket	
M-3910824	6			Bolt O-ring Seal	
M-3902466	1			Filler Cap Seal	
M-3939284		1	1	Rocker Cover Gasket	
M-3942659		5	5	Isolator	
M-3959798		1	1	Rocker Cover Gasket	CM850 & CM2150
M-3959799		8	8	Isolator	
M-3990084		1	1	Filler Cap Seal	

FUEL SYSTEM

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3909886	6			Injector Seal - Body Sleeve	
M-3906659	6			Injector Nose Seal	
M-3902466	6			Seal - Banjo Connector	
M-3029820		6		Injector Seal Ring	CAPS
M-3906659		6		Injector Nose Seal	
M-3882589		6		Connector O-ring	
M-4890926			6	Injector Seal Ring	CM850 & CM2150
M-3937142			6	Injector Nose Seal	
M-3969698	1	1		Injection Pump Mounting Seal	
M-3939258	1	1		Transfer Pump Gasket	
M-3917998	1			Fuel Transfer Pump	
M-3917999	1			Fuel Transfer Pump	
M-3918000	1			Fuel Transfer Pump	
M-3936316	1			Fuel Transfer Pump	
M-3936317	1			Fuel Transfer Pump	
M-3936318	1			Fuel Transfer Pump	
M-3936319	1			Fuel Transfer Pump	

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C I/QSC I/QSL

LUBRICATION SYSTEM

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3800828	1			Lube Oil Pump	
M-3948072		1		Lube Oil Pump	
M-4941464			1	Lube Oil Pump	
M-3918175	1	1		Oil Cooler Core	
M-68274	1	1		Regulator Spring	
M-3905928	6			Piston Cooling Nozzle	Pre-1991
M-3928031	12	12		Piston Cooling Nozzle	91C & ISC CAPS

COOLING SYSTEM

Part #	Quantity			Description	Note
	6C	I/QSC	I/QSL		
M-3806180	1			Water Pump Kit	
M-3800974	1			Water Pump Kit	
M-3800975	1			Water Pump Kit	
M-3800976	1			Water Pump Kit	
M-4089647		1	1	Water Pump Kit	CM554 & CM850
M-3902089	1			Water Pump Seal Ring	
M-3940386		1	1	Water Pump Seal Ring	
M-3937553	1			Belt Tensioner	
M-3936213		1	1	Belt Tensioner	
M-3928639	2			Thermostat - 180°F	
M-3928640	2			Thermostat - 160°F	
M-3940632		1	1	Thermostat - 180°F	
M-4930594		1	1	Thermostat - 180°F	

MIDRANGE BELT LISTING

Part #	Ribs	Length	Part #	Ribs	Length
M-323977	8	36.6"	M-3911562	8	57.5"
M-3918552	8	42.2"	M-3911558	8	59"
M-3920282	8	44.5"	M-3911563	8	60.5"
M-3925043	8	48.4"	M-3911572	8	61"
M-3929967	8	51.5"	M-3911573	8	61.5"
M-3911587	8	53.7"	M-3911559	8	62.1"
M-3938693	8	53.7"	M-3911575	8	63.1"
M-3288724	8	55"	M-3911564	8	64"
M-3911560	8	55"	M-3911561	8	65.5"
M-3911586	8	55.2"	M-3289213	8	68.5"
M-3911588	8	55.8"	M-3911580	8	68.5"
M-3911557	8	56"	M-3911582	8	70"
M-3935335	8	56"	M-3288497	8	70.5"
M-3929330	8	56.5"	M-3289325	8	70.5"
M-3911568	8	56.8"	M-3289659	8	76"

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

- **Export & Remanufactured Engine Parts**
- **All Fuel Injection, New & Remanufactured**

COVERAGE

The parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months, 100,000 miles or 2,000 hours of operation, whichever comes first, from date of first installation in an engine. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

This warranty does not apply to parts provided by Interstate Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond eighteen (18) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

The obligation of Interstate-McBee under this warranty, statutory or otherwise, is limited to the replacement or repair of Interstate-McBee parts, which our inspection discloses to our satisfaction to have been defective. Repair will be performed at our factory in Cleveland, OH or other Interstate-McBee approved facility. Proof of purchase is required.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling*; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond eighteen (18) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. *covered on fuel injection products

This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's Extended Warranty). Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof is prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or the enforceability of any other warranty provisions or portions thereof.

This warranty applies to parts sold by Interstate on or after August, 2007.

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts – U.S.A. and Canada

COVERAGE

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Castings

Cylinder head and cylinder block castings are warranted for 12 months from date of installation; part replacement only, no progressive damage, no labor.

Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty." This warranty does not apply to parts provided by Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond thirty (30) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts and labor needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid in accordance with published labor rates, but not to exceed reasonable flat rates times nor Interstate-McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (30) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty."

This warranty for the U.S.A. & Canada shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof. This warranty applies to parts sold by Interstate-McBee on or after August 2007.

U.S.A. Presidential Award



For Excellence in Export



INTERSTATE-McBEE



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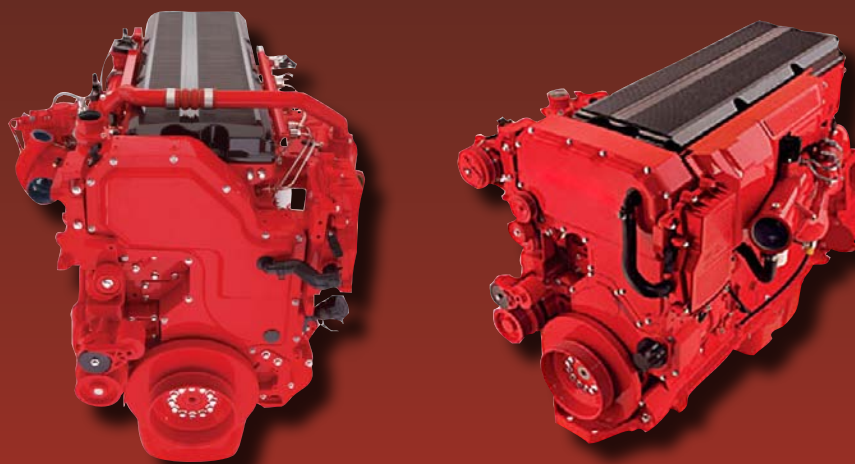


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® CUMMINS is a registered trademark of Cummins, Inc.



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ISX-QSX

CPL Listing 4-5

ISX-QSX

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ISX-QSX CPL LISTING

CPL #	MODEL	IN-FRAME KIT	PISTON KIT	UPPER SET	LOWER SET
1771	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2440	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2441	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2442	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2483	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2627	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2628	ISX 400/450	MCB4309129	MCB2881873	M-4955595	M-4955590
2629	ISX500/475 ST2	MCB4309129	MCB2881873	M-4955595	M-4955590
2630	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2631	ISX 450	MCB4309129	MCB2881873	M-4955595	M-4955590
2632	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2633	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2732	ISX 07	MCB2881837	MCB2881879	M-4955596	M-4955591
2733	ISX 07	MCB2881838	MCB2881878	M-4955596	M-4955591
2734	ISX 07	MCB2881838	MCB2881878	M-4955596	M-4955591
2801	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2803	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2814	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2816	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2825	Industrial / GenSet	MCB2882123	MCB2882120	M-4955595	M-4955590
2834	Signature 600/565	MCB4309130	MCB2881876	M-4955595	M-4955590
2835	Signature 600/565	MCB4309130	MCB2881876	M-4955595	M-4955590
2836	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2837	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2900	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
2919	ISX 07	MCB2881838	MCB2881878	M-4955596	M-4955591
2933	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
2934	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
3087	QSX 07	MCB2882119	MCB2882118	M-4955595	M-4955590
3088	QSX 07	MCB2882119	MCB2882118	M-4955595	M-4955590
8046	ISX 450 ST2	MCB4309129	MCB2881873	M-4955595	M-4955590

*NOTE: The In-Frame kit numbers specified here are for use in engines that were originally built with one piece steel pistons or those that have been already updated to one piece steel pistons. These kits do not include connecting rods.

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

ISX-QSX CPL LISTING

CPL #	MODEL	IN-FRAME KIT	PISTON KIT	UPPER SET	LOWER SET
8047	ISX 450 ST2	MCB4309129	MCB2881873	M-4955595	M-4955590
8048	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8081	Industrial / GenSet	MCB2882123	MCB2882120	M-4955595	M-4955590
8083	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8125	ISX2 / ISX3 EGR	MCB4309131	MCB2881878	M-4955596	M-4955591
8142	Industrial / GenSet	MCB2882123	MCB2882120	M-4955595	M-4955590
8242	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8243	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8244	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8246	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
8247	ISX3 / Signature	MCB4309130	MCB2881876	M-4955595	M-4955590
8255	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8257	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8258	ISX1 / ISX2	MCB4309129	MCB2881873	M-4955595	M-4955590
8281	ISX2 / ISX3 EGR	MCB4309131	MCB2881878	M-4955596	M-4955591
8283	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8284	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8285	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8286	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8287	ISX 870	MCB2881886	MCB2881879	M-4955596	M-4955591
8288	ISX 870	MCB2881886	MCB2881879	M-4955596	M-4955591
8518	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8519	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8520	ISX 870	MCB2881886	MCB2881879	M-4955596	M-4955591
8521	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8522	ISX 870 HHP	MCB4309131	MCB2881878	M-4955596	M-4955591
8523	ISX 870	MCB2881886	MCB2881879	M-4955596	M-4955591
8760	QSX 07	MCB2882119	MCB2882118	M-4955595	M-4955590
8761	QSX 07	MCB2882119	MCB2882118	M-4955595	M-4955590
8762	QSX 07	MCB2882119	MCB2882118	M-4955595	M-4955590
8764	QSX 07	MCB2882119	MCB2882118	M-4955595	M-4955590

*NOTE: The In-Frame kit numbers specified here are for use in engines that were originally built with one piece steel pistons or those that have been already updated to one piece steel pistons. These kits do not include connecting rods.

ISX-QSX

IN-FRAME KITS

Part #	Qty	Description	Note
MCB4309129	1	O/H Kit - ISX1 / ISX2	
MCB4309130	1	O/H Kit - ISX3 / Signature	
MCB4309131	1	O/H Kit - ISX 870 HHP	
MCB2881886	1	O/H Kit - ISX 870	
MCB2881838	1	O/H Kit - ISX07 871 HHP	
MCB2881837	1	O/H Kit - ISX07 871	
MCB2882123	1	O/H Kit - QSX	
MCB2882119	1	O/H Kit - QSX 07	

IN-FRAME RE-RING KITS

Part #	Qty	Description	Note
MCB4025214	1	Inframe Kit - Re-ring	2pc articulated minus pistons & pins
MCB4955683	1	Inframe Kit - Re-ring	1pc steel non-EGR minus pistons
MCB4955635	1	Inframe Kit - Re-ring	1pc steel EGR minus pistons



ISX-QSX

CYLINDER COMPONENTS

Part #	Qty	Description	Note
MCB2881873	6	Piston Kit - ISX1 / ISX2	
MCB2881876	6	Piston Kit - ISX3 / Signature	
MCB2881878	6	Piston Kit - ISX 870/1 HHP	
MCB2881879	6	Piston Kit - ISX 870/1	
MCB2882120	6	Piston Kit - QSX	
MCB2882118	6	Piston Kit - QSX 07	
M-4089154	6	Ring Set	2pc articulated piston
M-2881682	6	Ring Set	1pc steel piston
M-4923748	6	Piston Pin	1pc steel piston
M-3064305	12	Piston Pin Retainer	
M-4089153	6	Liner Kit	Includes seal ring
M-3678738	6	Liner Seal Ring	
M-3412860	6	Piston Cooling Nozzle	1pc piston block located type
M-3687058	6	Piston Cooling Nozzle	1pc piston liner located type
M-4059429	6	Connecting Rod	Drilled
M-3678574	24	Connecting Rod Bolt	

ISX-QSX

PISTON AND ENGINE KIT INTERCHANGE

Model	Piston	Piston Kit	Engine Kit	MCB Piston Kit	MCB Engine Kit
ISX1 ISX2	4101478	2881873	2881871	MCB2881873	MCB4309129
	4101877	4089411	2881872		
	4920308	4089586	4089890		
	4923725	4089896	4309129		
		4955966	4955597		
			4955683		
ISX3 Signature	4101479	2881876	2881874	MCB2881876	MCB4309130
	4101878	4089413	2881875		
	4920309	4089587	4089891		
	4923746	4089897	4309130		
		4955967	4955598		
			4955684		
ISX870 HHP ISX07 871 HHP	2882631	2881878	2881881	MCB2881878	MCB4309131
	3684467	4089409	2881882		
	4059397	4089584	4089893		
	4101875	4089894	4309131		
	4920306	4955923	4955600		
	4923743		4955635		
ISX870 ISX07 871	3684472	2881879	2881886	MCB2881879	MCB2881886
	2882630	4955968	4955636		
QSX	3681665	2882120	2882123	MCB2882120	MCB2882123
	4059241	4089415	4089496		
	4059345	4089585	4089892		
	4923744	4089895	4955599		
	4298992				
QSX07	3104186	2882118	2881839	MCB2882118	MCB2882119
	4298991	4955227	2882119		

CAUTION: The Interstate-McBee piston kits above must be used in full engine sets and cannot be mixed in an engine.

ISX-QSX

ENGINE BEARINGS

Part #	Qty	Description	Note
M-4089405	6	Connecting Rod Bearing	STD drilled rod
M-4090016	6	Connecting Rod Bearing	.25mm OS drilled rod
M-4090017	6	Connecting Rod Bearing	.5mm OS drilled rod
M-4089139	6	Connecting Rod Bearing	STD non-drilled rod only
M-3800298	1	Main Bearing Set	STD
M-4089845	1	Main Bearing Set	.25mm OS
M-4089846	1	Main Bearing Set	.5mm OS
M-4995001	1	Cam Bushing Set	STD bushings for one head
M-3680580	4	Injector Camshaft Bushing	
M-3680581	3	Injector Camshaft Bushing	
M-4026423	7	Valve Camshaft Bushing	
MCB7105	4	Injector Camshaft Bushing	1.0mm OS
MCB7106	3	Injector Camshaft Bushing	1.0mm OS
MCB7104	7	Valve Camshaft Bushing	1.0mm OS
M-4059448	6	Connecting Rod Bushing	Drilled rods
M-3678574	24	Connecting Rod Bolt	

GASKETS SETS

Part #	Qty	Description	Note
M-4955595	1	Upper Gasket Set	Non-EGR engines
M-4955596	1	Upper Gasket Set	EGR engines
M-2881767	1	Upper Gasket Set	HPCR engines
M-4955590	1	Lower Gasket Set	Non-EGR engines
M-4955591	1	Lower Gasket Set	EGR engines
M-2881766	1	Lower Gasket Set	HPCR engines
MCBISXINJ	6	Injector O-ring Kit	External seals

ISX-QSX

CRANKSHAFT SEALS & DAMPER

Part #	Qty	Description	Note
M-4955383	1	Front Seal Kit	
M-4965569	1	Rear Seal Kit	
M-4101884	AR	Vibration Damper	1 or 2 per unit

CYLINDER HEAD COMPONENTS

Part #	Qty	Description	Note
M-4965868	12	Intake Valve	
M-3104445	12	Intake Seat	
M-4101454	12	Exhaust Valve	
M-3679537	12	Exhaust Seat	ISX570 / QSX570 / power gen
M-3679659	12	Exhaust Seat	ISX870 / QSX07
M-3683349	12	Exhaust Seat	ISX07
M-3680883	48	Valve Lock	
M-4026657	24	Valve Guide	
M-4026660	12	Valve Stem Seal - Intake	ISX570
M-4026791	12	Valve Stem Seal - Exhaust	ISX570
M-4026791	24	Valve Stem Seal - Int & Ex	ISX870 & up
M-3679551	24	Valve Spring	
M-4965891	24	Valve Spring	QSX570
M-3680884	24	Valve Spring Retainer	
M-3680318	24	Valve Spring Seat	
MCB3680873	6	Injector Tube Kit	Includes M-3678536 seal ring
M-3680580	4	Injector Camshaft Bushing	
M-3680581	3	Injector Camshaft Bushing	
M-4026423	7	Valve Camshaft Bushing	
MCB7105	4	Injector Camshaft Bushing	1.0mm OS
MCB7106	3	Injector Camshaft Bushing	1.0mm OS
MCB7104	7	Valve Camshaft Bushing	1.0mm OS

ISX-QSX

COOLING SYSTEM

Part #	Qty	Description	Note
M-4973372	2	Thermostat 160°	ISX1/2
M-4973373	2	Thermostat 180°	ISX1/2
M-4973374	2	Thermostat 190°	ISX1/2
M-4973372	1	Thermostat 160°	ISX02 & up
M-4973373	1	Thermostat 180°	ISX02 & up
M-4973374	1	Thermostat 190°	ISX02 & up
M-186780	AR	Thermostat Seal	
M-4089908	1	Water Pump	ISX1/2 10 groove pulley
M-4089909	1	Water Pump	QSX15
M-4089910	1	Water Pump	ISX02 12 groove pulley

EXHAUST SYSTEM

Part #	Qty	Description	Note
M-4965698	12	Exhaust Manifold Bolt	

GASKETS

Part #	Qty	Description	Note
M-4965690	1	Air Comp. Mtg Gasket	
M-3680284	1	ECM Isolator / Gasket	CM570
M-3682577	1	ECM Isolator / Gasket	CM870
M-3682066	1	EGR Mixer Seal	
M-3682177	1	EGR Mixer Seal	
M-4907448	1	Exhaust Manifold Gasket	
M-4907447	4	Exhaust Manifold Gasket	
M-3682940	1	Exhaust Manifold Gasket	ISX02
M-3682710	4	Exhaust Manifold Gasket	ISX02
M-4965688	1	Flywheel Housing Gasket	To block
M-3026134	1	Flywheel Housing Gasket	Access cover
M-4962721	1	Front Cover Gasket	Upper - Seal strip
M-4962722	1	Front Cover Gasket	Lower - Seal strip
M-4985562	1	Gear Housing Gasket	To block
M-3678770	1	Intake Connection Gasket	
M-3066211	1	Intake Connection Seal	
M-3033247	1	Intake Connection Seal	ISX02
M-4973532	4	Oil Cooler Core Gasket	
M-4955592	1	Oil Cooler Housing Gasket	
M-3678606	1	Oil Pan Drain Plug Seal	
M-4026684	1	Oil Pan Gasket	
M-3678756	1	Oil Pickup Tube Seal	
M-3680602	1	Thermostat Cover Gasket	
M-3682673	1	Thermostat Cover Gasket	ISX02
M-3684336	1	Thermostat Housing Gasket	
M-3678602	2	Thermostat Housing O-ring	
M-186780	2	Thermostat Seal	
M-186780	1	Thermostat Seal	ISX02
M-3680324	1	Turbo Flange Gasket	
M-3101268	1	Turbo Flange Gasket	ISX02

ISX-QSX

GASKETS CONT'D

Part #	Qty	Description	Note
M-4026884	1	Turbo Mounting Gasket	
M-3102314	1	Turbo Mounting Gasket	ISX02
M-3679139	1	Turbo Oil Supply O-ring	
M-3066211	1	Turbo Outlet Seal	
M-3682177	1	Turbo Outlet Seal	ISX02
M-3054608	2	Turbo Regulator Solenoid	
M-4026507	1	Valve Cover Gasket	
M-3104392	1	Valve Cover Gasket	ISX07
M-3678724	1	Water Pump O-ring	

ENGINE CONTROL SYSTEM

Part #	Qty	Description	Note
M-3680284	1	ECM Isolator / Gasket	CM570
M-3682577	1	ECM Isolator / Gasket	CM870
M-4076493	1	Sensor - Pressure	Ambient air
M-4921473	1	Sensor - Press/Temp	Intake manifold
M-4921475	1	Sensor - Press/Temp	Oil
M-4921495	1	Sensor - Pressure	Fuel
M-4921499	1	Sensor - Pressure	Fuel
M-4921599	2	Sensor - Position	Cam & crank
M-4954905	1	Sensor - Temperature	Coolant/oil/fuel
M-4024808	1	Fuel Solenoid Kit	
M-4952629	1	Oil Cooler Thermostat	

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts – U.S.A. and Canada

COVERAGE

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Castings

Cylinder head and cylinder block castings are warranted for 12 months from date of installation; part replacement only, no progressive damage, no labor.

Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty." This warranty does not apply to parts provided by Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond thirty (30) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts and labor needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid in accordance with published labor rates, but not to exceed reasonable flat rates times nor Interstate-McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (30) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty."

This warranty for the U.S.A. & Canada shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof. This warranty applies to parts sold by Interstate-McBee on or after August 2007.

U.S.A. Presidential Award



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INTERSTATE-McBEE



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N14 CPL REFERENCE

CPL #	MODEL	APP. CODE	PISTON KIT	CYL KIT	INFRAME KIT	INJECTOR	TURBO
1309§	NTA14		M-3803754	M-3803755	M-4024877	R-3069722	M-3804801
1324	N14-460E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1374§	N14-370	91 A	M-3803758	M-3803759	M-4024878	R-3078194	M-3804800
1380§	N14-330/350	91 A	M-3803758	M-3803759	M-4024878	R-3078197	M-3804800
1384	N14-460E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1385	N14-430E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1386	N14-430E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1389	N14-370E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1390	N14-370E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1391	N14-350E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1392	N14-330E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1393	N14-330E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1394	N14-310E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1395§	N14-310/330P	P	M-3803758	M-3803759	M-4024878	R-3078196	M-3804800
1405§	N14-410		M-3803758	M-3803759	M-4024878	R-3078195	M-3804801
1426	N14-410E		M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1445	N14-370E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1507§	N14-350P	P	M-3803758	M-3803759	M-4024878	R-3078194	M-3804800
1529§	N14-350P	P	M-3803758	M-3803759	M-4024878	R-3078197	M-3804800
1530§	NTA14-330	91 A	M-3803758	M-3803759	M-4024878	R-3078206	M-3804800
1532§	N14-330/350P	P	M-3803758	M-3803759	M-4024878	R-3078198	M-3804801
1533	N14-370E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1534	N14-370E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1535	N14-350E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1536	N14-330E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1537	N14-330E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1538	N14-310E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1540	N14-330E	91 A	M-3803754	M-3803755	M-4024877	R-3652541	M-3804801
1548	N14-460E		M-3803754	M-3803755	M-4024877	R-3652541	M-3804308
1572	N14-460E	91 A	M-3803754	M-3803755	M-4024877	R-3652542	M-3804801
1573	N14-370/410/430E	91 A	M-3803754	M-3803755	M-4024877	R-3652542	M-3804801
1574	N14-310/330/350E	91 A	M-3803754	M-3803755	M-4024877	R-3652542	M-3804801
1575	N14-460E		M-3803754	M-3803755	M-4024877	R-3652542	M-3804308
1580	N14-430/460E	91 A	M-3803754	M-3803755	M-4024877	R-3652542	M-3804308
1583	N14-370/420/430/460E		M-3803754	M-3803755	M-4024877	R-3652542	M-3804308
1607§	N14-370/410		M-3803758	M-3803759	M-4024878	R-3078195	M-3804801
1611	N14-440/500E		M-3803754	M-3803755	M-4024877	R-3081316	M-3804308
1649	N14-300E		M-3803754	M-3803755	M-4024877	R-3652542	M-3804801
1652§	N14-430		M-3803758	M-3803759	M-4024878	R-3078195	M-3804801
1807	N14-310/330/350/370E	94 A	M-3803739	M-3803740	M-4024881	R-3411759	M-3804805
1809	N14-410/435/445E	94 A	M-3803741	M-3803742	M-4024880	R-3411760	M-3800419
1809	N14-410/435/445E	94 A	M-3803741	M-3803742	M-4024880	R-3411760	M-3800395
1831	N14-430/460E	91 A	M-3803754	M-3803755	M-4024877	R-3652542	M-3804308
1833	N14-330/350E		M-3803739	M-3803740	M-4024881	R-3411765	M-3804805
1844	N14-410 to 500E	94 A	M-3803741	M-3803742	M-4024880	R-3411760	M-3800419
1844	N14-410 to 500E	94 A	M-3803741	M-3803742	M-4024880	R-3411760	M-3800395
1852	N14-500E		M-3803741	M-3803742	M-4024880	R-3411760	M-3800419
1878§	N14-430		M-3803758	M-3803759	M-4024878	R-3078195	M-3804801
1896	N14-410/435/460/500E		M-3803741	M-3803742	M-4024880	R-3411760	M-3800419
1896	N14-410/435/460/500E		M-3803741	M-3803742	M-4024880	R-3411760	M-3800395
1921§	NTA14-C	C	M-3803741	M-3803742	M-4024880	R-3084891	M-3804565
1921§	NTA14-C	C	M-3803741	M-3803742	M-4024880	R-3084891	M-3804568 Wet
1924	N14-525CE	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3804738
1944	N14-430/460E		M-3803754	M-3803755	M-4024877	R-3652542	M-3804308
1956§	N14-350/370		M-3803758	M-3803759	M-4024878	R-3078194	M-3804800
1957§	N14-410		M-3803758	M-3803759	M-4024878	R-3078195	M-3804801
1987	N14-350ESP		M-3803741	M-3803742	M-4024880	R-3411760	M-3800419

§ = STC Timing ** = 2pc Piston Wet = Water cooled bearing housing.

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N14 CPL REFERENCE

CPL #	MODEL	APP. CODE	PISTON KIT	CYL KIT	INFRAME KIT	INJECTOR	TURBO
2003	N14-500E		M-3803741	M-3803742	M-4024880	R-3411763	M-3800419
2025	N14-525E +	A	M-3803741	M-3803742	M-4024880	R-3411763	M-3804502
2026	N14-475E +	A	M-3804630	M-3804636	M-4024879	R-3411760	M-3804502
2027	N14-425E +	A	M-3803739	M-3803740	M-4024881	R-3411761	M-3804807
2033§	NTA14-C	C	M-3803741	M-3803742	M-4024880	R-3095023	M-3804566
2033§	NTA14-C	C	M-3803741	M-3803742	M-4024880	R-3095023	M-3804569 Wet
2038§	NTA14-C	C	M-3803739	M-3803740	M-4024881	R-3095055	M-3804567
2038§	NTA14-C	C	M-3803739	M-3803740	M-4024881	R-3095055	M-3804570 Wet
2143	N14-525E		M-3803741	M-3803742	M-4024880	R-3411764	M-3804502
2228	N530E	A	M-3803741	M-3803742	M-4024880	R-3411764	M-3804502
2261	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3804738
2287§	NTA14-G	G	M-3803741	M-3803742	M-4024880	R-3084891	M-3804565 Wet
2306	N530E	A	M-3803741	M-3803742	M-4024880	R-3411760	M-3804502
2330§	NTA14-C	C	M-3803739	M-3803740	M-4024881	R-3349821	M-3804805
2330§	NTA14-C	C	M-3803739	M-3803740	M-4024881	R-3349821	M-353918 Wet
2388	N14E-R	R	M-3803741	M-3803742	M-4024880	R-3411760	M-3804502
2389	NTA14-E		M-3803739	M-3803740	M-4024881	R-3411381	M-3804807
2390	N14-370/475E +		M-3803741	M-3803742	M-4024880	R-3411766	M-3804502
2391	NTA14-E		M-3803741	M-3803742	M-4024880	R-3411767	M-3804502
2398	N14-475E +		M-3804630	M-3804636	M-4024879	R-3411762	M-3804502
2403	N14-480CE	C	M-3803741	M-3803742	M-4024880	R-3088178	M-3804565
2453§	NTA14-M	M	M-3803741	M-3803742	M-4024880	R-3084891	M-3804567
2453§	NTA14-M	M	M-3803741	M-3803742	M-4024880	R-3084891	M-3804570 Wet
2492	N530E	A	M-3803741	M-3803742	M-4024880	R-3411760	M-3804502
2529§	NTA14-M	M	M-3803741	M-3803742	M-4024880	R-3084891	M-3804567
2529§	NTA14-M	M	M-3803741	M-3803742	M-4024880	R-3084891	M-3804570 Wet
2575§	N14-R	R	M-3803739	M-3803740	M-4024881	R-3095055	M-3804502
2590	NTA14-E		M-3803739	M-3803740	M-4024881	R-3411765	M-3804507
2591	N14-475E +		M-3803741	M-3803742	M-4024880	R-3411766	M-3804502
2592	NTA14-E		M-3803741	M-3803742	M-4024880	R-3411767	M-3804502
2659	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3804738
2659	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3537962 Wet
2861§	N14-M	M	M-3803741	M-3803742	M-4024880	R-3084891	M-4024500
2862§	N14-M	M	M-3803741	M-3803742	M-4024880	R-3084891	M-4024500
8023§	N14-R	R	M-3803741	M-3803742	M-4024880	R-3084891	M-3804565
9921	N14-480CE	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3804738
9921	N14-480CE	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3537962 Wet
9925	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3804738
9925	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3537962 Wet
9951	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3804738
9951	N14-525CE +	C	M-3803741	M-3803742	M-4024880	R-3411764	M-3537962 Wet

§ = STC Timing ** = 2pc Piston Wet = Water cooled bearing housing.

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N14 REPLACEMENT PARTS

CYLINDER COMPONENTS

PART #	QTY	DESCRIPTION	COMMENT
M-3803755	6	Cylinder Kit - Anodized Celect	Piston (3081268)
M-3803759	6	Cylinder Kit - Anodized STC	Piston (3081269)
M-3803740	6	Cylinder Kit - Articulated	Crown (3087635)
M-3803742	6	Cylinder Kit - Articulated	Crown (3087634)
M-3804636	6	Cylinder Kit - Articulated	Crown (3865113)
M-3803754	6	Piston Kit - Anodized Celect	Piston (3081268)
M-3803758	6	Piston Kit - Anodized STC	Piston (3081269)
M-3803739	6	Piston Kit - Articulated	Crown (3087635)
M-3803741	6	Piston Kit - Articulated	Crown (3087634)
M-3804630	6	Piston Kit - Articulated	Crown (3865113)
MCBN14SKIRT	6	Skirt	
M-3801826	6	Liner Kit STD	(3055099) includes seals
M-3803219	6	Liner Kit 20/40 OS	(3065405) includes seals
M-3800174	6	Liner Seal Kit	Includes crevice seal & O-rings
M-215090	6	Crevice Seal	
M-3032874	12	O-ring	
M-4089489	6	Ring Set	(M-3804500)
M-3064304	6	Piston Pin	
M-3064305	12	Piston Pin Retainer	

LINER FLANGE SEAL RINGS

PART #	QTY	DESCRIPTION	COMMENT
M-3054948	6	Seal Ring - .0205" Thick	Standard liner
M-4025380	6	Seal Ring - .0225" Thick	Standard liner
M-4025325	6	Seal Ring - .0235" Thick	Standard liner
M-4025326	6	Seal Ring - .0245" Thick	Standard liner
M-3019959	6	Seal Ring - .0310" Thick	Standard liner
M-3019960	6	Seal Ring - .0620" Thick	Standard liner
M-3066843	6	Seal Ring - .018" Thick	.020" / .040" liner
M-3065406	6	Seal Ring - .020" Thick	.020" / .040" liner
M-3066844	6	Seal Ring - .022" Thick	.020" / .040" liner

N14 REPLACEMENT PARTS

GASKET SETS

PART #	QTY	DESCRIPTION	COMMENT
M-4089368	1	Upper Set	STC
M-4089371	1	Upper Set	Electronic
M-4089368EB	1	Upper Set w/Brake Gaskets	STC
M-4089371EB	1	Upper Set w/Brake Gaskets	Electronic
M-4089369	1	Upper Set - Single Head	STC
M-4089370	1	Upper Set - Single Head	Electronic with 6 exhaust gaskets
M-4089372	1	Upper Set - Single Head	Electronic with 3 exhaust gaskets
M-JB11858	1	Engine Brake Gasket Set	
M-4025069	1	Lower Set	91N14 & STC Construction
M-4025068	1	Lower Set	94N14 & up
M-3804303	1	Oil Pan Gasket Set	
MCBN14INJ	6	Injector Seal Kit	Electronic
MCB215	1	Gear Cover Gasket Set	91N14 1.5" drive shaft
MCB225	1	Gear Cover Gasket Set	94N14 & up 2.0" drive shaft
MCB1401	1	Oil Cooler Gasket Set	Core Replacement
MCB1402	1	Oil Cooler Gasket Set	Assembly Overhaul

ENGINE BEARINGS

PART #	QTY	DESCRIPTION	COMMENT
M-3055145	12	Connecting Rod Bearing	STD
M-3055146	12	Connecting Rod Bearing	.010" OS
M-3055147	12	Connecting Rod Bearing	.020" OS
M-3055148	12	Connecting Rod Bearing	.030" OS
M-3055149	12	Connecting Rod Bearing	.040" OS
M-3801260	1	Main Bearing Set	STD
M-3801261	1	Main Bearing Set	.010" OS
M-3801262	1	Main Bearing Set	.020" OS
M-3801263	1	Main Bearing Set	.030" OS
M-3801264	1	Main Bearing Set	.040" OS
M-3801106	1	Camshaft Bearing Set	
M-3011951	1	Camshaft Bushing #7	
M-3028075	4	Camshaft Bushing #1,2,4,6	
M-3028269	2	Camshaft Bushing #3,5	
M-3011952	1	Camshaft Cup Plug	At rear of block
M-3064295	6	Connecting Rod Bushing	

N14 REPLACEMENT PARTS

CRANKSHAFT, SEALS & DAMPER

PART #	QTY	DESCRIPTION	COMMENT
M-3064291	1	Crankshaft	
M-3006736	1	Front Crankshaft Seal - Teflon	
M-3006742	1	Front Crankshaft Repair Sleeve	
M-3006737	1	Rear Crankshaft Seal - Teflon	Dry housing
M-3006738	1	Rear Crankshaft Seal - Teflon	Wet housing
M-3006743	1	Rear Crankshaft Repair Sleeve	
M-3067616	1	Rear Crankshaft Cover Gasket	(horseshoe)
M-3101655	1	Vibration Damper	13.5" diameter
M-204165	6	Vibration Damper Bolts	

CAMSHAFT

PART #	QTY	DESCRIPTION	COMMENT
M-3800855	1	Camshaft - STC engines	CPL's-1374,1380,1395,1405,1507,1529,1530,1532,1607,1652,1878,1921,1956,1957,2033,2038,2330,2453,2529,2575,2861,2862,8023
M-3803738	1	Camshaft - 94N14 & N14Plus	CPL's-1807,1809,1833,1844,1852,1896,1987,2003,2025,2026,2143,2306,2388,2389,2398,2492,2590
M-4024849	1	Camshaft - N14Plus	CPL's-2390,2391,2591,2592
M-215233	1	Thrust Washer	
M-3008530	1	Camshaft Support	
M-AR1176	1	Camshaft Support Shim Kit	
M-215705	1	Camshaft Support O-ring	
M-3011952	1	Block Plug	
MCB215	1	Gear Cover Gasket Set	91N14 1.5" drive shaft
MCB225	1	Gear Cover Gasket Set	94N14 & Plus 2" drive shaft

N14 REPLACEMENT PARTS

CAM FOLLOWER

PART #	QTY	DESCRIPTION	COMMENT
M-4025956	6	Injector Lever Roller	91N14
M-3412922	6	Injector Lever Pin	91N14
M-3036933	12	Valve Lever Roller	91N14
M-3013331	12	Valve Lever Pin	91N14
M-3161423	6	Injector Lever Roller	94N14 & Plus
M-3166388	6	Injector Lever Pin	94N14 & Plus
M-3865237	12	Valve Lever Roller	94N14 & Plus
M-3166428	12	Valve Lever Pin	94N14 & Plus
M-3064309	18	Roll Pin	
M-3064621	18	Socket	
M-205401	6	Shaft Plug	
M-3068473	3	Housing Gasket .032"	
M-3068475	3	Housing Gasket .042"	
M-3068476	3	Housing Gasket .047"	
M-3068477	3	Housing Gasket .052"	

ROCKER COVER, ROCKER BOX & PUSH TUBES

PART #	QTY	DESCRIPTION	COMMENT
M-3066311	3	Rocker Cover Gasket	
M-3068135	3	Brake Mounting Gasket	
M-4058981	3	Rocker Box Gasket	
M-3058462	12	Bushing Valve Rocker Arm	
M-3074376	3	Rocker Shaft	
M-3074375	3	Rocker Shaft	
M-203933	6	Shaft Plug	
M-3066291	12	Valve Push Rod	
M-3067932	6	Injector Push Rod	91N14
M-3073499	6	Injector Push Rod	94N14 & Plus

N14 REPLACEMENT PARTS

CYLINDER HEAD COMPONENTS

PART #	QTY	DESCRIPTION	COMMENT
M-3803360	12	Intake Valve Kit - 30°	91N14
M-3803854	12	Intake Valve Kit - 20°	94N14 & up
M-3054590	12	Intake Seat - 30°	91N14
M-3084020	12	Intake Seat - 20°	94N14 & up
M-3803770	12	Exhaust Valve Kit - 30°	91N14
M-3803726	12	Exhaust Valve Kit - 30°	94N14 & non-automotive
M-3800891	12	Exhaust Valve Kit - 45°	N14Plus Automotive
M-3069692	12	Exhaust Seat - 30°	91N14
M-3076515	12	Exhaust Seat - 30°	94N14 & non-automotive
M-3084041	12	Exhaust Seat - 45°	N14Plus Automotive
M-3072369	48	Valve Lock	
M-3064312	24	Valve Guide - STD	
M-3070460	24	Valve Spring	
M-4026228	24	Valve Spring Guide - Retainer	
M-3064281	24	Valve Guide Seal	
M-3070486	6	Injector Tube - STD	< 6/1997
M-3071147	6	Injector Tube - Thicker Nose	< 6/1997
M-3406702	6	Injector Tube - STD	> 6/1997
M-3007759	6	Injector Tube O-ring	
M-147100	2	Fuel Crossover	
M-70772	12	Fuel Crossover Screw	
M-131026	12	Fuel Crossover O-ring	
M-135308	2	Fuel Cover Plate	

CYLINDER HEAD BOLTS & HARDWARE

PART #	QTY	DESCRIPTION	COMMENT
M-3071161	36	Head Bolt	11/16 - 16 x 7¼ inch
M-3071075	36	Head Bolt Washer	5/8 inch
M-3007634	3	Expansion Plug	¾"
M-3007635	6	Expansion Plug	1"
M-3007636	2	Expansion Plug	1¼"
M-3027106	2	Dowel	
M-68445	6	Groove Pin	
M-S911B	10	Pipe Plug	1/8" NPT

N14 REPLACEMENT PARTS

ACCESSORY DRIVE

(DESCENDING FRONT TO REAR)

PART #	QTY	DESCRIPTION	COMMENT
M-3078307	1	Accessory Drive Assembly	2.0" drive 94N14 & up with iron housing
M-3023473	1	Accessory Drive Pulley	
M-3012526	1	Pulley Nut	
M-193136	1	Washer	
M-3008947	1	Keyway Seal	
M-70550	1	Dowel Pin	
M-3004316	1	Oil Seal	1.5" drive 91N14
M-3800616	1	Oil Seal	2.0" drive 94N14 & up
M-3800617	1	Oil Seal & Sleeve	2.0" drive 94N14 & up
M-132770	1	Drive Bushing	1.5" drive 91N14
M-3411389	1	Drive Bushing	2.0" drive 94N14 & up
M-142689	1	Gear	1.5" drive 91N14
M-3078310	1	Gear	2.0" drive 94N14 & up
M-3034438	1	Groove Pin	
M-3000171	1	Drive Shaft	1.5" drive 91N14
M-3076500	1	Drive Shaft	2.0" drive 94N14 & up
M-3076225	1	Gasket	Drive to block
M-3000174	1	Spline Coupling	
M-170664	1	Spline Coupling Washer	
M-3000173	1	Spline Coupling Bolt	
M-199349	1	Sleeve Coupling	
M-3076226	1	Gasket	Compressor to drive
M-101918	1	Jaw Hub Coupling	Compressor rear
M-3046200	1	Spider Coupling	
M-4026171	1	Gasket	Fuel Pump Mounting

FUEL INJECTOR SEALS

(SEE CPL MATRIX FOR COMPLETE INJECTOR ASSEMBLIES)

PART #	QTY	DESCRIPTION	COMMENT
M-193736	18	O-ring Injector Body	STC
M-3001340	6	O-ring Seal	Oil tube to head rail
M-3052587	6	O-ring Seal	Oil tube to injector
M-3050867	6	Grommet Seal	Oil tube to top of head
MCBN14INJ	6	Injector Seal Kit	Electronic – External O-ring
MCB26124	6	Injector Seal Kit & Filter	Electronic – Installation
MCB26129	6	Injector Repair Kit - Minor	Seals & springs
MCB3060001	6	Injector Repair Kit - Major	Seals, springs, spring retainer & harness
M-3076256	6	Wire Harness	

N14 REPLACEMENT PARTS

FUEL SYSTEM

(SEE CPL MATRIX FOR COMPLETE INJECTOR ASSEMBLIES)

PART #	QTY	DESCRIPTION	COMMENT
M-4024808	1	Shutdown Solenoid	12V single pole
M-3803282	1	STC Valve Repair Kit	
M-3803478	1	Fuel Pump Seal & Gasket Kit	Step bore housing
M-3803477	1	Fuel Pump Oil Seal Kit	
M-3034243	1	Gear Fuel Pump	3/4" STC
M-4010324	1	Gear Fuel Pump	1 1/4"
M-3824010	6	Electrical Injector Connector	
M-3928624	6	Connector Seal Ring	

LUBRICATION SYSTEM

PART #	QTY	DESCRIPTION	COMMENT
M-3803369	1	Oil Pump	91N14 Helical gear
M-3803698	1	Oil Pump	94N14 & up – Spur gear
M-3067613	1	Mounting Gasket	
M-3884126	1	Regulator Plunger	
M-3010146	1	Regulator Plunger Spring	
MCB1401	1	Cooler Core Gasket Set	
MCB1402	1	Cooler Assembly Gasket Set	
M-3413091	1	Oil Cooler	
M-3069678	2	Mounting Gasket	
M-109080	2	O-ring Seal	
M-3072375	2	O-ring Seal	Retainer plate
M-3059408	1	Cooler Thermostat	
M-3072341	1	Thermostat Gasket	
M-3070477	1	Support Gasket	
M-3066298	1	Support Gasket	
M-4058947	6	Piston Cooling Nozzle	91N14 & up
M-4058941	6	Nozzle O-ring	91N14 & up
M-3046947	1	Oil Pan	Front sump aluminum
M-3030257	1	Oil Pan	Rear sump aluminum
M-3099083	1	Oil Pan Gasket	
M-3029847	1	O-ring Seal	Tube to pan
M-3034986	1	Rectangular Seal	Tube to pump
M-157551	1	Gasket	Gasket to pump
M-3055069	1	Magnetic Drain Plug	
M-67946	1	Drain Plug Sealing Washer	

N14 REPLACEMENT PARTS

COOLING SYSTEM

PART #	QTY	DESCRIPTION	COMMENT
M-3803605	1	Water Pump Assembly	
M-3803612	1	Water Pump Repair Kit - Minor	Seals & gaskets
M-3803614	1	Water Pump Repair Kit - Major	
M-3066330	1	Idler Assembly	
M-217638	1	Belt	Poly groove
M-3076489	1	Thermostat 180°	91N14 & 94N14
M-186780	1	Seal	91N14 & 94N14
M-3066285	1	Gasket	91N14 & 94N14
M-3064313	1	Gasket	91N14 & 94N14
M-43463A	2	O-ring Seal	Transfer tube
M-4973373	2	Thermostat 180°	N14 Plus
M-186780	2	Seal	N14 Plus
M-3865236	1	Gasket	N14 Plus
M-43463A	2	O-ring Seal	N14 Plus

TURBOCHARGER (SEE CPL MATRIX FOR COMPLETE TURBO ASSEMBLIES)

PART #	QTY	DESCRIPTION	COMMENT
M-3801523	1	Bearing & Seal Kit	BHT3C models
M-3801522	1	Seal Kit	BHT3C models
M-3069177	1	Mounting Gasket	
M-201048	1	Gasket Oil Drain	
M-3037537	1	O-ring Oil Feed	
M-3056158	4	Nut	3/8-24 UNF

AIR COMPRESSOR

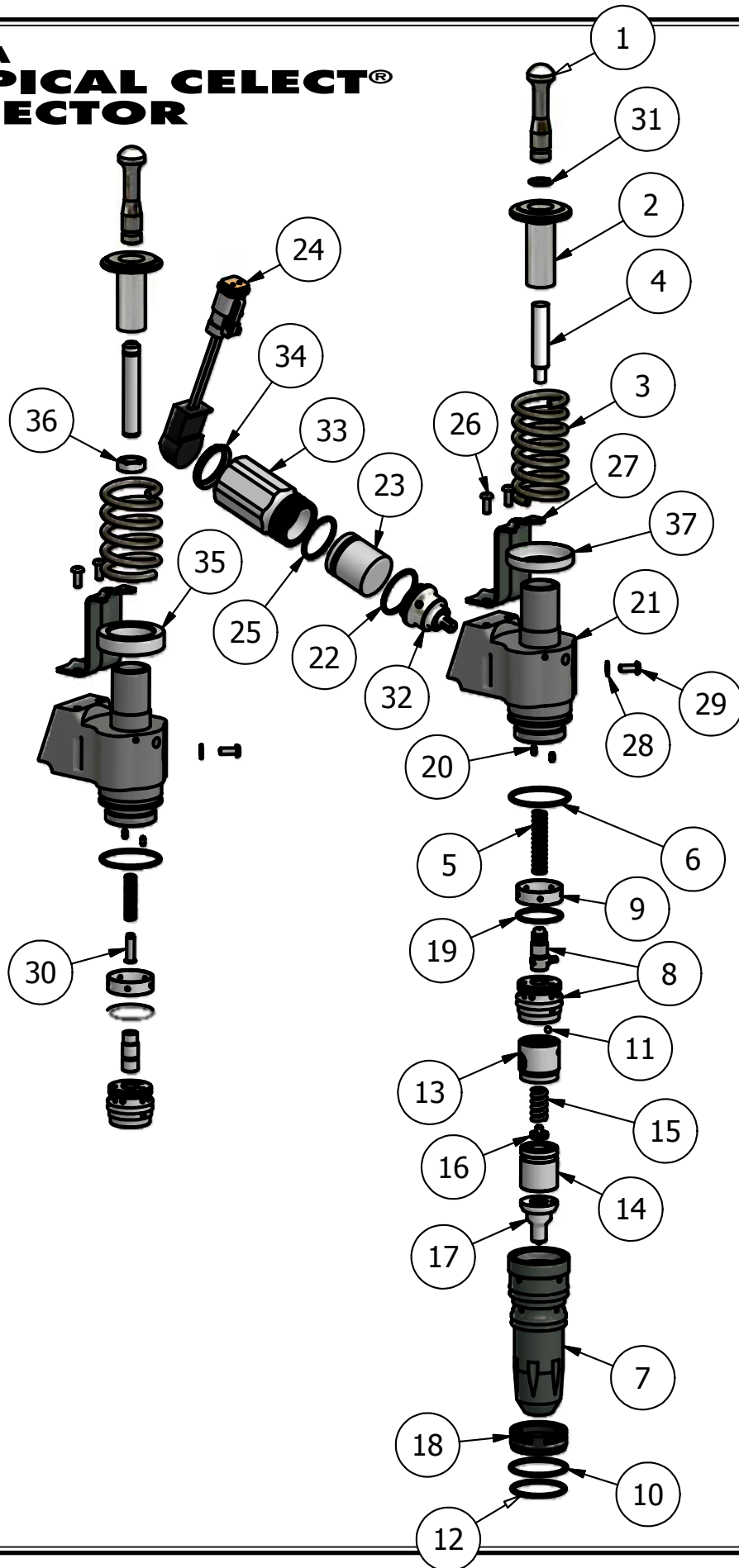
PART #	QTY	DESCRIPTION	COMMENT
M-AR12719	1	Valve Repair Kit	Holset® 13.2 single
M-3801733	1	Head Repair Kit	Holset® 13.2 single
M-3801728	1	Head Repair Kit	With unloader body Holset® 13.2 single
M-3803930	1	Piston Kit STD	91N14 13.2 Single (AR73350 Ring set)
M-3803931	1	Piston Kit 010" OS	91N14 13.2 Single (AR73351 Ring set)
M-3803932	1	Piston Kit 020" OS	91N14 13.2 Single (AR73352 Ring set)
M-3803933	1	Piston Kit 030" OS	91N14 13.2 Single (AR73353 Ring set)
M-119810	1	Pin	
M-3558754	2	Pin Retainer	
M-3018151	1	Connecting Rod	Holset® 13.2 single
M-AR10922	1	Crankshaft	Holset® 13.2 single

N14 REPLACEMENT PARTS

GASKET LISTING

DESCRIPTION	NOTE	PART#	QTY
Accessory Drive Gasket	Drive to Block	M-3069101	1
Air Compressor Gasket	Compressor to Drive Support	M-3069102	1
Cam Follower Gasket		M-3068473	3
Cam Support O-ring		M-215705	1
Cylinder Head Gasket	Current Edge Molded Design	M-4058790	3
Engine Brake Gasket		M-4920093	3
Exhaust Manifold Gasket		M-3020943	6
Exhaust Manifold Gasket	Plus Engines	M-3865235	3
Fuel Pump Mounting Gasket		M-3069103	1
Gear Cover Gasket	Cover to Block	M-4058949	1
Hand Hole Gasket		M-3068466	1
Hydraulic Pump Gasket		M-3558515	1
Injector O-ring	STC	M-193736	18
Injector O-ring	Electric - Top Red	M-3070136	6
Injector O-ring	Electric - Middle White	M-3070137	6
Injector O-ring	Electric - Bottom Blue	M-3070138	6
Intake Manifold Gasket		M-3008591	3
Oil Filter Head Gasket		M-3070478	1
Oil Pan Drain Gasket	Washer 11/32"	M-67946	1
Oil Pan Gasket		M-3099083	1
Oil Pump Cover Gasket		M-3014778	1
Oil Pump Mounting Gasket		M-3067613	1
Oil Transfer Tube Gasket		M-157551	1
Oil Transfer Tube O-ring	Tube to Pick Up	M-3029847	1
Oil Transfer Tube Seal	Rectangular	M-3034986	1
Piston Nozzle O-ring		M-3068527	6
Rear Seal Cover Gasket		M-3067616	1
Rocker Box Gasket	Box to Head	M-4058981	3
Rocker Cover Gasket		M-3066311	3
Thermostat Housing Gasket	Mounting	M-3064313	1
Thermostat Housing Gasket	Housing to Housing	M-3066285	1
Thermostat Housing O-ring	On Transfer Tube	M-43463A	2
Thermostat Seal		M-186780	1
Turbo Intake Seal	Rectangular	M-3068510	1
Turbo Mounting Gasket		M-3069177	1
Turbo Oil Drain Gasket		M-201048	1
Turbo Oil Feed O-ring		M-3037537	1
Turbo Outlet Seal		M-3066211	1
Water Pump Gasket		M-3076522	1

FIG.A
TYPICAL CELECT®
INJECTOR



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.

N14 REPLACEMENT PARTS

ELECTRONIC FUEL INJECTOR COMPONENTS

FIG. A	PART NO.	DESCRIPTION	NOTE	QUANTITY
1	M-3078226	Injector Plunger Link	91N14 and Up	1
1	M-3072485	Injector Plunger Link	91N14 for R-3652541 and R-3652542	1
2	M-3083863	Plunger Coupling	91N14 and Up	1
2	M-3081342	Plunger Coupling	91N14 for R-3652541 and R-3652542	1
3	M-3411340	Plunger Coupling Spring	91N14 and Up	1
3	7991021	Plunger Coupling Spring	91N14 for R-3652541 and R-3652542	1
4	M-3087552	Upper Plunger – Male	91N14 and Up	1
4	7991022	Upper Plunger – Female	91N14 for R-3652541 and R-3652542	1
5	M-3081388	Upper Plunger Spring – Male	91N14 and Up	1
5	M-3081371	Upper Plunger Spring – Female	91N14 for R-3652541 and R-3652542	1
6	M-3070136	O-Ring Seal Top	Red	1
10	M-3070137	O-Ring Seal Middle	White	1
12	M-3070138	O-Ring Seal Bottom	Blue	1
7	M-3073244	Cup Retainer		1
7	M-3070184	Cup Retainer	For R-3652541	1
8	M-3411711	Plunger and Barrel – Male	91N14 and Up	1
8	7991093	Plunger and Barrel – Female	91N14 for R-3652541 and R-3652542	1
9	M-3070113	Injector Sleeve		1
11	M-3076068	Ball Check		1
13	M-3072823	Spring Housing Spacer Assembly		1
	M-3072819	– Spring Housing Spacer		1
	M-3072822	– Socket Set Screw		1
	M-3072820	– Spring		1
	M-3072821	– Spring Guide		1
14	M-3066736	Valve Spring Housing		1
15	M-3066738	Valve Spring		1
16	M-3067426	Valve Spring Retainer		1
16	M-3067426+1	Valve Spring Retainer	Oversize .003"	1
16	M-3067426-1	Valve Spring Retainer	Undersize .003"	1
17	M-3609861	Spray Tip Assembly	Injector R-3411759	1
17	M-3609855	Spray Tip Assembly	Injector R-3411760	1
17	M-3609852	Spray Tip Assembly	Injector R-3411761	1
17	M-3409978	Spray Tip Assembly	Injector R-3411762	1
17	M-3087791	Spray Tip Assembly	Injector R-3411763	1
17	M-3088175	Spray Tip Assembly	Injector R-3411764	1
17	M-3411690	Spray Tip Assembly	Injector R-3411765	1
17	M-3411694	Spray Tip Assembly	Injector R-3411766	1

N14 REPLACEMENT PARTS

ELECTRONIC FUEL INJECTOR COMPONENTS

FIG. A	PART NO.	DESCRIPTION	NOTE	QUANTITY
17	M-3411388	Spray Tip Assembly	Injector R-3411767	1
17	M-3076071	Spray Tip Assembly	Injectors R-3652541 and R-3654542	1
18	M-3071967	Filter Screen		1
19	M-3068959	Barrel O-Ring		1
20	7991016	Groove Pin	91N14 and Up	2
21	7991019	Injector Body	91N14 for R-3652541 and R-3652542	1
21	7991025	Injector Body		1
22	M-3034408	Control Valve O-Ring		1
23	M-3811021	Solenoid		1
24	M-3076256	Wiring Harness		1
25	M-3075658	Solenoid O-Ring		1
26	M-3075613	Socket Head Cap Screw		2
27	M-3080766	Coupling Retainer		1
28	M-3080421	Sealing Washer		1
29	M-3075613	Socket Head Cap Screw		1
30	7991066	Plunger Spring Guide		1
31	M-3072486	Link Retainer		1
32	7991123	Control Valve Assembly		1
33	7991089	Solenoid Nut		1
34	7991091	Retaining Ring		1
35	M-3080767	Spacer	91N14 for R-3652541 and R-3652542	1
36	7991026	Plunger Spacer	91N14 for R-3652541 and R-3652542	1
37	M-3411775	Spring Retainer		1

ELECTRONIC FUEL INJECTOR KITS

PART NO.	DESCRIPTION	CONTAINS REFERENCE NUMBER IN FIG. A	QUANTITY
MCBN14INJ	External O-ring Kit	6, 10, 12	1
MCB26124	External O-ring Kit & Filter	6, 10, 12, 18	1
MCB26104	O-ring & Hardware Kit	6, 10, 12, 19, 22, 26, 28, 29	1
MCB26129	Injector Repair Kit	5, 6, 10, 12, 11, 15, 18, 19, 22, 25, 26, 28, 29	1
MCB3060001	Injector Repair Kit & Harness	5, 6, 10, 12, 11, 15, 16, 18, 19, 22, 24, 25, 26, 28, 29	1

N14 REPLACEMENT PARTS

STC INJECTOR COMPONENTS

DESCRIPTION	PART#									
		R-3078194	R-3078195	R-3078196	R-3078197	R-3078198	R-3084891	R-3095023	R-3095055	R-3349821
Link Retainer	M-3052231	X	X	X	X	X	X	X	X	X
Tappet - HVT	M-3075383	X	X	X	X	X	X	X	X	X
Tappet Repair Kit	M-3804700	X	X	X	X	X	X	X	X	X
Injector Stop Screw	M-3055742	X	X	X	X	X	X	X	X	X
Spring Retainer	M-3066707	X	X	X	X	X				
Spring Retainer	M-3052218						X	X	X	X
Compression Spring - Large OD	M-3060615	X	X	X	X	X				
Compression Spring - Small OD	M-3060614	X	X	X	X	X				
Compression Spring - Large OD	M-3023478						X	X	X	X
Compression Spring - Small OD	M-3034167						X	X	X	X
Adaptor Injector Body	M-3066695	X	X	X	X	X				
Adaptor Injector Body	M-3023934						X	X	X	X
Orifice Plug Gasket	M-173086	X	X	X	X	X	X	X	X	X
Orifice Plug Screen	M-3008706	X	X	X		X				
Orifice Plug Screen	M-3054999				X		X	X	X	X
Screen Retainer	M-174299	X	X	X	X	X	X	X	X	X
Check Ball	M-167157	X	X	X	X	X	X	X	X	X
Roll Pin	M-203426 (2)	X	X	X	X	X	X	X	X	X
Plunger & Barrel	M-3069707	X	X	X	X	X				
Plunger & Barrel	M-3084892						X	X	X	X
Injector Cup	M-3073573	X								
Injector Cup	M-3073575		X							
Injector Cup	M-3073570			X						
Injector Cup	M-3071648				X					
Injector Cup	M-3074253					X				
Injector Cup	M-3084895						X			
Injector Cup	M-3095024							X		
Injector Cup	M-3069764								X	
Injector Cup	M-3349822									X
Cup Retainer	M-3066693	X	X	X	X	X				
Cup Retainer	M-185138						X	X	X	X

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts – U.S.A. and Canada

COVERAGE

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Castings

Cylinder head and cylinder block castings are warranted for 12 months from date of installation; part replacement only, no progressive damage, no labor.

Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty." This warranty does not apply to parts provided by Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond thirty (30) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts and labor needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid in accordance with published labor rates, but not to exceed reasonable flat rates times nor Interstate McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (30) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty."

This warranty for the U.S.A. & Canada shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof. This warranty applies to parts sold by Interstate-McBee on or after August 2007.

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

- **Export & Remanufactured Engine Parts**
- **All Fuel Injection, New & Remanufactured**

COVERAGE

The parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months, 100,000 miles or 2,000 hours of operation, whichever comes first, from date of first installation in an engine. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

This warranty does not apply to parts provided by Interstate Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond eighteen (18) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

The obligation of Interstate-McBee under this warranty, statutory or otherwise, is limited to the replacement or repair of Interstate-McBee parts, which our inspection discloses to our satisfaction to have been defective. Repair will be performed at our factory in Cleveland, OH or other Interstate-McBee approved facility. Proof of purchase is required.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

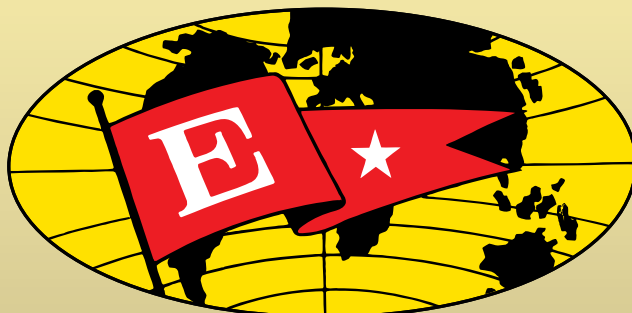
WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling*; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond eighteen (18) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy.
*covered on fuel injection products

This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's Extended Warranty). Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof is prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or the enforceability of any other warranty provisions or portions thereof.

This warranty applies to parts sold by Interstate on or after August, 2007.

U.S.A. Presidential Award



For Excellence in Export



INTERSTATE-McBEE



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Tel: 305-863-6650

FAX: 305-863-6272

Serving the diesel industry since 1947 with quality fuel injection and engine parts.



INTERSTATE-McBEE



**New and Remanufactured
Replacement Parts for
CUMMINS®
KT/KTA/KTTA
ENGINES**



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216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805
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All manufacturer's names, symbols and descriptions are for reference only
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KT/KTA CPL REFERENCE

CPL #	MODEL	NOTE A	NOTE B	ORIGINAL PISTON	REPLACED BY	CURRENT		RATIO
						PISTON	PISTON KIT	
127	KT-1150-C-450			M-206840	M-3070707	M-3096681	M-3096681	15.5:1
150	KTA-2300-C/L		H	M-206570	M-3070706	M-3096682	M-3631244	14.5:1
153	KT-1150-C-450			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
159	KT1150-450			M-206840	M-3070707	M-3096681	M-3631245	15.5:1
171	KT-450			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
179	KTA-2300-1050		H	M-206740	M-3070706	M-3096682	M-3631244	14.5:1
183	KT-1150-450			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
184	KTA-1150-600			M-206740	M-3070706	M-3096682	M-3631244	14.5:1
185	KT-1150-450			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
212	KT-2300-900			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
213	KTA-1150-M			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
219	KT-1150-M			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
228	KTA-2300-C/L/P-1050/1200		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
229	KTA-2300-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
232	KT-1150-GS/GC			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
245	KTA-1150-GS/GC			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
251	KTA-1150-C/L/P-525/600			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
252	KT-2300-GS/GC			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
253	KT-2300-L-900			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
268	KT-2300-M			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
269	KTA-2300-M		H	M-207330	M-3070707	M-3096681	M-3631245	15.5:1
274	KT-450			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
275	KTA-2300-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
290	KT-1150-C-450			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
291	KT-1150-G/GS/GC			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
292	KTA-1150-G/GS/GC			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
293	KTA-1150-C/A/P-525			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
295	KT-2300-G/GS/GC			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
296	KTA-2300-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
297	KT-1150-G/GS/GC			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
302	KTC-450			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
313	KTA-3067-P/L		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
334	KTA-525			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
342	KTA-3067-M		H	M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
343	KTA-3067-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
351	KTA-1150-C-700			M-3024594	M-3070708	M-3096680	M-3631246	13.8:1
368	KTA-3067-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
378	KTA-3067-P/C		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
379	KTA-525			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
385	KT-450			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
386	KTA-600			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
398	KT-1150-C/L/P			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
415	KT-1150-C/L			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
438	KT-450			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
439	KT-450			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
440	KT-450			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1

****NOTE: A** - This indicates engine timing type if other than PT timing.

****NOTE: B** - KTA38 & KTA50 engines utilize three different style aftercooler types. The letter codes listed here identify each type. "H" = This is the original "high" box type cooler mounted between the cylinder banks. "D" = This is the outboard style cooler mounted thru the top of the intake manifolds outboard of each cylinder bank. "L" = This is the low temperature style cooler mounted thru the side of the intake manifolds.

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

KT/KTA CPL REFERENCE

CPL #	MODEL	NOTE A	NOTE B	ORIGINAL PISTON	REPLACED BY	CURRENT		RATIO
						PISTON	PISTON KIT	
441	KTA-600			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
442	KTA-600			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
444	KT-1150-C/L/P			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
445	KT-1150-C/L			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
446	KT-1150-G/GS/GC			M-207330	M-3070707	M-3096681	M-3631245	15.5:1
447	KTA-1150-C/L/P-600			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
474	KT-1150-C-465			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
475	KTA-1150-C-635			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
476	KT-2300-G/GS/GC			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
477	KT-2300-C/P/L-900			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
478	KTA-2300-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
501	KTA-2300-C/P/L-1050/1200		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
502	KT-2300-M			M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
503	KTA-2300-M		H	M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
505	KTA-2300-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
508	KTA-2300-P		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
513	KTA-2300-P-1350		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
514	KTA-2300-C-1350		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
515	KTA-3067-C-1800		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
520	KTA-1150-GS/GC			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
521	KTA-2300-C/L/P-1200		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
522	KTA-3067-C/L/P		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
526	KTA-3067-C/P		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
546	KTA-3067-C		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
569	KTTA-19-C/P/L	STC		M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
584	KT-1150-M			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
610	KT-2300-C/P/L			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
640	KT-1150-G			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
644	KTTA-2300-C	STC	O	M-3036072	M-3070705	M-3096683	M-3631242	13.5:1
645	KTTA-3067-C	STC	O	M-3036072	M-3070705	M-3096683	M-3631242	13.5:1
672	KTA-19-G			M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
687	KTA-3067-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
688	KTA-50-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
693	KTTA-38-G/GS/GC	STC	O	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
720	KTA-19-M	STC		M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
724	KTA-19-M			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
736	KTA-50-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
737	KTA-50-C/P/L		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
738	KTA-50-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
739	KTTA-19-G/GS/GC	STC		M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
756	KTA-19-730			M-3027231	M-3070708	M-3096680	M-3631246	13.8:1
758	KTA-50-C	STC	O	M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
768	KTTA-50-G/GS/GC	STC	O	M-3036072	M-3070705	M-3096683	M-3631242	13.5:1
801	KTA-19-600	STC		M-3036073	M-3070706	M-3096682	M-3631244	14.5:1

****NOTE: A** - This indicates engine timing type if other than PT timing.

****NOTE: B** - KTA38 & KTA50 engines utilize three different style aftercooler types. The letter codes listed here identify each type. "H" = This is the original "high" box type cooler mounted between the cylinder banks. "O" = This is the outboard style cooler mounted thru the top of the intake manifolds outboard of each cylinder bank. "L" = This is the low temperature style cooler mounted thru the side of the intake manifolds.

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

KT/KTA CPL REFERENCE

CPL #	MODEL	NOTE A	NOTE B	ORIGINAL PISTON	REPLACED BY	CURRENT		RATIO
						PISTON	PISTON KIT	
809	KT-38-C			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
810	KT-38-C			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
816	KTTA-50-C	STC	O	M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
823	KTA-38-P		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
824	KTA-38-G		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
841	KTTA-19-C/L/P	STC		M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
844	KTA-38-C-1050	STC	O	M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
846	KTTA-50-G/GS/GC	STC	O	M-3036072	M-3070705	M-3096683	M-3631242	13.5:1
850	KT-38-G/GS/GC			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
851	KTA-38-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
852	KTA-38-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
853	KTA-50-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
854	KTA-50-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
855	KT-38-M/G/GS/GC			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
859	KTA-38-C-1200	STC	O	M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
860	KTTA-19-P	STC		M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
861	KTA-50-M		H	M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
862	KTA-50-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
863	KTA-50-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
864	KTA-38-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
865	KTA-38-M		H	M-3007750	M-3070707	M-3096681	M-3631245	15.5:1
866	KTA-38-G/GS/GC		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
867	KTA-2300-P		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
868	KTA-2300-P-1350		H	M-3022946	M-3070705	M-3096683	M-3631242	13.5:1
869	KTA-38-C/P/L		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
870	KTA-50-C/P/L		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
871	KTA-50-C/P		H	M-3028124	M-3070706	M-3096682	M-3631244	14.5:1
872	KTTA-2300-C/L	STC	O	M-3036072	M-3070705	M-3096683	M-3631242	13.5:1
873	KTTA-3067-C	STC	O	M-3036072	M-3070705	M-3096683	M-3631242	13.5:1
874	KTA-50-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
875	KTA-50-G/GS/GC		H	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
876	KTTA-38-G/GS/GC	STC	O	M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
877	KTA-38-G		H	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
878	KTA-50-C	STC	O	M-3032197	M-3070708	M-3096680	M-3631246	13.8:1
879	KT-38-C/L/P			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
884	KT-19-G/GS/GC			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
885	KTA-19-G/GS/GC			M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
886	KTA-19-G/GS/GC			M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
888	KTA-19-G			M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
889	KTA-38-G			M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
898	KT-38-G/GS/GC			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
900	KT-38-G/GS/GC			M-3026270	M-3070707	M-3096681	M-3631245	15.5:1
901	KT-38-C/L/P			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
951	KTTA-19-C	STC		M-3177590	M-3070703	M-3096685	M-3631241	13.9:1

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KT/KTA CPL REFERENCE

CPL #	MODEL	NOTE A	NOTE B	ORIGINAL PISTON	REPLACED BY	CURRENT		RATIO
						PISTON	PISTON KIT	
952	KTA-19-M			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
968	KTTA-50-C/L	STC	L	M-3177590	M-3070703	M-3096685	M-3631241	13.9:1
969	KTA-19-M			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
975	KT-38-M			M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
976	KTA-38-M		H	M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
977	KTA-50-M		H	M-3036074	M-3070707	M-3096681	M-3631245	15.5:1
1170	KTTA-19-G	STC		M-3177590	M-3070703	M-3096685	M-3631241	13.9:1
1190	KTA-19-R			M-3036073	M-3070706	M-3096682	M-3631244	14.5:1
1219	KTA-50-G	STC	L	M-3065339	M-3070703	M-3096685	M-3631241	13.9:1
1250	KTTA-50-C-2000	STC	L	M-3627811		M-3628731	M-3803530	
1251	KTA-38-G	STC	O	M-3065339	M-3070703	M-3096685	M-3631241	13.9:1
1253	KTTA-19-C/R/P/L	STC		M-3177590	M-3070703	M-3096685	M-3631241	13.9:1
1254	KTTA-50-G	STC	L	M-3065339	M-3070703	M-3096685	M-3631241	13.9:1
1299	KTA-38-G		O	M-3004730	M-3070706	M-3096682	M-3631244	14.5:1
1300	KTA-38-G		O	M-3068036	M-3070706	M-3096682	M-3631244	14.5:1
1319	KTA-19-M	STC		M-3068032		M-3096685	M-3631241	13.9:1
1430	KTA-19-R	STC		M-3062598		M-3096685	M-3631241	13.9:1
1455	KTA-19-G	STC		M-3070703		M-3096685	M-3631241	13.9:1
1456	KTA-19-G	STC		M-3070703		M-3096685	M-3631241	13.9:1
1457	KTA-19-G	STC		M-3070703		M-3096685	M-3631241	13.9:1
1458	KTA-19-G	STC		M-3070703		M-3096685	M-3631241	13.9:1
1495	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1496	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1497	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1498	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1499	KTTA-19-C	STC		M-3070703		M-3096685	M-3631241	13.9:1
1506	KTA-19-C			M-3070704		M-3096684	M-3631243	15.7:1
1528	KTA-50-G	STC	L	M-3070703		M-3096685	M-3631241	13.9:1
1541	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1542	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1543	KTA-38-G	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
1544	KTA-50-G	STC	L	M-3070703		M-3096685	M-3631241	13.9:1
1602	KTA-50-C	STC	L	M-3627811		M-3628731	M-3803530	
1628	KT-2300	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
1657	KTA-50-G	STC	L	M-3070703		M-3096685	M-3631241	13.9:1
1840	KTA-19-C	ECM		M-3081725		M-3081725	M-3804746	
1864	KTA-19-C	ECM		M-3081725		M-3081725	M-3804746	
1872	KTA-19-C	ECM		M-3081801			2-pc	
1873	KTA-19-C	ECM		M-3081890				
1879	KTA-19	ECM		M-3085721			2-pc	
1880	KTA-19	ECM		M-3081890				
1881	KTA-19	ECM		M-3081803			2-pc	
1882	KTA-19	ECM		M-3085795			2-pc	
1883	KTA-19	ECM		M-3081890				

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KT/KTA CPL REFERENCE

CPL #	MODEL	NOTE A	NOTE B	ORIGINAL PISTON	REPLACED BY	CURRENT		RATIO
						PISTON	PISTON KIT	
1898	KTA-50-C1800	ECM	L	M-3081725			M-3804746	
1906	KTA-19-C			M-3085795			2-pc	
1964	KTA-19-C			M-3086135			2-pc	
1969	KTA-19-C			M-3081890				
1970	KTA-38	STC	L	M-3628731		M-3628731	M-3803530	
2008	QSK19-C	ECM		M-3090073			2-pc	
2009	QSK19-C	ECM		M-3090070			2-pc	
2039	KTA-19-600	STC		M-3070706		M-3096682	M-3631244	14.5:1
2053	KTA-19M3	STC		M-3628731		M-3628731	M-3803530	
2115	KTA50-M2	STC	L	M-3628731		M-3628731	M-3803530	
2152	KTA-19-M3	STC		M-3628731		M-3628731	M-3803530	
2159	KTA-50-G5	STC	L	M-3070703		M-3096685	M-3631241	13.9:1
2163	KTA-38-M1	STC	L	M-3096685		M-3096685	M-3631241	13.9:1
2166	KTA-38-M	STC	L	M-3096685		M-3096685	M-3631241	13.9:1
2184	KTA-19			M-3096681		M-3096681	M-3631245	15.5:1
2203	KTTA-38	STC	L	M-3628731			M-3803530	
2227	KTA-50-G3	STC	L	M-3096685		M-3096685	M-3631241	13.9:1
2309	KTTA-50-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2310	KTA-38-M2	STC	L	M-3628731		M-3628731	M-3803530	
2311	KTA-50-M2	STC	L	M-3628731		M-3628731	M-3803530	
2312	KTA-38-M1	STC	L	M-3096685		M-3096685	M-3631241	13.9:1
2313	KTA-38-M	STC	L	M-3096685		M-3096685	M-3631241	13.9:1
2314	KTA-50-L	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2315	KTA-50-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2316	KTA-38-L1	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2317	KTTA-38-L	STC	O	M-3096683		M-3096683	M-3631242	13.5:1
2318	KTTA-38-C	STC	O	M-3067416			M-3803531	
2319	KTTA-50-C2000	STC	L	M-3627811		M-3628731	M-3803530	
2320	KTA-50-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2321	KTA-50-C1800	STC	L	M-3628731		M-3628731	M-3803530	
2322	KTTA-38-L	STC	O	M-3096683		M-3096683	M-3631242	13.5:1
2323	KTA-38-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2325	KTA-50-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2327	KTA-38-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2328	KTA-50-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2329	KTA-50-C	STC	O	M-3096680		M-3096680	M-3631246	13.8:1
2354	KTA-50-G8	STC	L	M-3630916			M-3804885	
2355	KTA-50-G9	STC	L	M-3630916			M-3804885	
2356	KTA-19-M3 / M4	STC		M-3628731		M-3628731	M-3803530	
2404	KTA-38-M2	STC	L	M-3628731		M-3628731	M-3803530	
2420	KTTA-50-C2000	STC	L	M-3627811		M-3628731	M-3803530	
2421	KTA-38-C1200	STC	O	M-3069980		M-3069980	M-3631246	13.8:1
2527	KTA-50-G9	STC	L	M-3096685		M-3096685	M-3631241	13.9:1
2533	KTA-50-G9	STC	L	M-3096685		M-3096685	M-3631241	13.9:1

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KT/KTA CPL REFERENCE

CPL #	MODEL	NOTE A	NOTE B	ORIGINAL PISTON	REPLACED BY	CURRENT		RATIO
						PISTON	PISTON KIT	
2634	KTA-19			M-3096682		M-3096682	M-3631244	14.5:1
2635	KTA-19	STC		M-3096685		M-3096685	M-3631241	13.9:1
2636	KTA-19	STC		M-3096685		M-3096685	M-3631241	13.9:1
2641	KTA50-C1800	STC	L	M-3627811		M-3628731	M-3803530	
2910	KTA-19-G	STC		M-3096680		M-3096680	M-3631246	
2913	KTTA50-C2000	STC	L	M-3627811		M-3628731	M-3803530	
2914	KTTA50-C2000	STC	L	M-3627811		M-3628731	M-3803530	
2936	KTTA38-C1800	STC	L	M-3627811		M-3628731	M-3803530	
4148	KTA-19-G2			M-3081801			2-pc	
4150	KTA-19-M3	STC		M-3068032		M-3096685	M-3631241	13.9:1
4151	KTA-19-M3	STC		M-3068032		M-3096685	M-3631241	13.9:1
4153	KTA-19-G4	STC		M-3070703		M-3096685	M-3631241	13.9:1
6207	KTA-50-C	STC	O	M-3070708		M-3096680	M-3631246	13.8:1
6215	KTA-38-L1	STC	O	M-3070708		M-3096680	M-3631246	13.8:1
6225	KTA-38-G5	STC	O	M-3070703		M-3096685	M-3631241	13.9:1
6229	KTA-50-G3 / G5	STC	L	M-3068029	M-3070703	M-3096685	M-3631241	13.9:1
6230	KTA-50-G3	STC	L	M-3068029	M-3070703	M-3096685	M-3631241	13.9:1
6231	KTA-50-G3	STC	L	M-3068029	M-3070703	M-3096685	M-3631241	13.9:1
6238	KTA-50-G7	STC	L	M-3098310		M-3630913	M-3804747	
6240	KTA-50	STC	L	M-3068029	M-3070703	M-3096685	M-3631241	13.9:1
6241	KTA-50-G5 / G5 / G7	STC	L	M-3070703		M-3096685	M-3631241	13.9:1
6242	KTA-50-C	STC	O	M-3070708		M-3096680	M-3631246	13.8:1

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KT/KTA REPLACEMENT PARTS

CYLINDER LINERS

KT38 / KT50 & KT19 Block Type #1 only. ESN 31100101 to 31101149 & 31101150 to 31103628

LINER	PART #	SIZE	FLANGE THICKNESS	FLANGE O.D.	LPF O.D.
M-3022157	M-3007525	STD / STD	.526" - .527"	7.4925" - 7.4945"	7.158" - 7.160"
M-3023017	M-3012611	.010" / STD	.536" - .537"	7.5025" - 7.5045"	7.158" - 7.160"
M-3023018	M-3012612	.020" / STD	.546" - .547"	7.5125" - 7.5145"	7.158" - 7.160"
M-3023019	M-3801268	.030" / STD	.556" - .557"	7.5225" - 7.5245"	7.158" - 7.160"
M-3023020	M-3801269	.040" / STD	.566" - .567"	7.5325" - 7.5345"	7.158" - 7.160"

KT19 Block Type #2 Thin Flange. ESN 31103629 to 31121669

CREVICE SEAL STYLE PART #	LINEAR KIT	SIZE	FLANGE THICKNESS	FLANGE O.D.	LPF O.D.	OLD REFERENCE #	LINEAR KIT
M-4009227	M-4024770	STD / STD	.305" - .306"	7.400" - 7.402"	7.093" - 7.095"	M-3007710	M-3009549

KT19 Block Type #3 Thick Flange. ESN 31121670 & up and 37000001 & up.

CREVICE SEAL STYLE PART #	LINEAR KIT	SIZE	FLANGE THICKNESS	FLANGE O.D.	LPF O.D.	OLD REFERENCE #	LINEAR KIT
M-4009220	M-4024767	STD / STD	.528" - .529"	7.409" - 7.411"	7.093" - 7.095"	M-3202240	M-3028434
M-4009221	M-4024768	.020" / STD	.528" - .529"	7.429" - 7.431"	7.093" - 7.095"	M-3202241	M-3028430
M-4009222	M-4024769	.040" / STD	.528" - .529"	7.449" - 7.451"	7.093" - 7.095"	M-3202242	M-3028431
M-4009233	M-4024775	.060" / STD	.528" - .529"	7.469" - 7.471"	7.093" - 7.095"	M-3074552	M-3803510
M-4009228	M-4024771	.083" / STD	.528" - .529"	7.492" - 7.494"	7.093" - 7.095"	M-3023023	M-3024726
M-4009230	M-4024772	.095" / STD	.528" - .529"	7.504" - 7.506"	7.093" - 7.095"	M-3053800	M-3028433
M-4009231	M-4024773	.020" / .020"	.528" - .529"	7.429" - 7.431"	7.113" - 7.115"	M-3074547	M-3803505
M-4009232	M-4024774	.060" / .020"	.528" - .529"	7.469" - 7.471"	7.113" - 7.115"	M-3074551	M-3803509
N/A	N/A		.528" - .529"	7.4925" - 7.4945"	7.158" - 7.160"	M-3022157	M-3007525
M-4009234	M-4024776	.083" / .064"	.528" - .529"	7.4925" - 7.4945"	7.158" - 7.160"	N/A	N/A



KT/KTA REPLACEMENT PARTS

CYLINDER PARTS

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3631241	6	12	16	Piston Kit	ID# 3096685
M-3631242		12	16	Piston Kit	ID# 3096683
M-3631243	6			Piston Kit	ID# 3096684
M-3631244	6	12	16	Piston Kit	ID# 3096682
M-3631245	6	12	16	Piston Kit	ID# 3096681
M-3631246	6	12	16	Piston Kit	ID# 3096680
M-3803530	6	12	16	Piston Kit (use M-4089501 R/S)	ID# 3628731
M-3804746	6	12	16	Piston Kit	ID# 3081725
M-3804747		12	16	Piston Kit	ID# 3630913
M-3804885			16	Piston Kit	ID# 3630916
M-4089500	6	12	16	Ring Set	(M-4955975)
M-4089501	6	12	16	Ring Set (for M-3803530 piston)	(M-4955976)
M-4095009	6	12	16	Piston Pin	
M-205269	12	24	32	Piston Pin Retainer	
M-3043909	6	12	16	Connecting Rod Pin Bushing	
M-4000504	6			Crevice Seal	Under liner flange
M-3081489	6	12	16	Liner Crevice Seal - Lower Bore	Top
M-3011076	6	12	16	Liner D-ring Seal - Lower Bore	Center (black)
M-3014668	6	12	16	Liner D-ring Seal - Lower Bore	Lower (red)
M-4024779	6			Packing Kit	Upper crevice style liner.
M-3007517	6			Piston Cooling Nozzle	w/seal

ENGINE BEARINGS

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-205840	12			Connecting Rod Bearing	STD
M-205841	12			Connecting Rod Bearing	.010"
M-205842	12			Connecting Rod Bearing	.020"
M-205843	12			Connecting Rod Bearing	.030"
M-3047390		24	32	Connecting Rod Bearing	STD
M-3047391		24	32	Connecting Rod Bearing	.010"
M-3047392		24	32	Connecting Rod Bearing	.020"
M-3047393		24	32	Connecting Rod Bearing	.030"
M-AR12270	1			Main Bearing Set	STD
M-AR12271	1			Main Bearing Set	.010"
M-AR12272	1			Main Bearing Set	.020"
M-AR12273	1			Main Bearing Set	.030"
M-AR12250		1		Main Bearing Set	STD
M-AR12251		1		Main Bearing Set	.010"
M-AR12252		1		Main Bearing Set	.020"
M-AR12253		1		Main Bearing Set	.030"

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KT/KTA REPLACEMENT PARTS

ENGINE BEARINGS

Continued from previous page

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3018210			1	Main Bearing Set	STD
M-3018211			1	Main Bearing Set	.010"
M-3018212			1	Main Bearing Set	.020"
M-3018213			1	Main Bearing Set	.030"
M-3043909	6	12	16	Connecting Rod Bushing	
M-3002834	7			Camshaft Bearing	ESN 31103629 & higher.
M-205230		26	34	Camshaft Bearing	

CAMSHAFT

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3066877	1			Camshaft	For CPL #'s listed directly below.
CPL #'s 127,153,159,171,183,184,185,213,219,232,245,251,274,290,291,292,293,297,302,334,379,385,386,398,415,428,438,439,440,441,442,444,445,446,447,474,475,520,584,640,672,724,884,885,886,888,952,969,1190,2184,2634					
M-3066882	1			Camshaft	For CPL #'s listed directly below.
CPL #'s 951,1253,1319,1430,1455,1456,1457,1458,1499,2053,2152,2356,2635,2910,4150,4151					

CAM FOLLOWER

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3016825	6	12	16	Roller - Injector Lever	
M-4009247	6	12	16	Pin - Injector Lever	
M-3062141	6	12	16	Roller - Injector Lever	Wider type (1.085")
M-4009479	6	12	16	Pin - Injector Lever	For wider type roller
M-3016826	12	24	32	Roller - Valve Lever	
M-4009248	12	24	32	Pin - Valve Lever	
M-205438	18	36	48	Lock Wire	
M-205439	12	24	32	Ring Retainer	
M-213559	18	36	48	Socket	
M-3017961	6	12	16	Injector Push Rod	
M-205492	12	24	32	Valve Push Rod	(M-3057139)
M-3040721	6	12	16	Follower Cover Gasket	

ROCKER ASSEMBLY

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-194037	6	12	16	Socket - Injector Rocker	
M-3176773	6	12	16	Rocker Shaft	With plug
-- M-203933	6	12	16	--- Plug	
M-168306	18	36	48	Slotted Adjustment Screw	
M-S212	18	36	48	Locknut	
M-205394	6	12	16	Capscrew Rocker Shaft	1/2-13x4.5"
M-205393	6	12	16	Capscrew Rocker Shaft	1/2-13x2"
M-3630839	6	12	16	Gasket Rocker Box Mounting	
M-4922219	6	12	16	Gasket Rocker Cover	

KT/KTA REPLACEMENT PARTS

CYLINDER HEAD COMPONENTS

Premium #1 Type: These assemblies are designed for engines rated at 101-hp or higher per cylinder, high load factor and constant speed applications. These assemblies utilize Tribaloy intake valves, Tribaloy intake seats, Inconel exhaust valves, short valve springs and valve rotators.

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3803518	12	24	32	Intake Valve Kit	Tribaloy (code "T")
M-3052819	12	24	32	Intake Seat Tribaloy	
M-3803528	12	24	32	Exhaust Valve Kit	Inconel (code "U")
M-205093	12	24	32	Exhaust Seat	
M-205091	48	96	128	Valve Lock	
M-3633840	24	48	64	Valve Spring	
M-3081081	24	48	64	Rotator	
M-205094	24	48	64	Valve Spring Retainer	
M-3202210	24	48	64	Valve Guide	45° tapered top
M-205169	12	24	32	Crosshead Guide	For stemmed style bridges only.
M-3032633	36	72	96	Head Bolt	3/4-16x8
M-3086362	12	24	32	Crosshead	Floating
NOTE: Quantities for the miscellaneous assembly hardware listed below are for one head casting.					
M-203933	1	1	1	Expansion Plug	1/4"
M-205401	8	8	8	Expansion Plug	7/8"
M-206224	2	2	2	Expansion Plug	1-5/8"
M-67622	1	1	1	Pipe Plug	NPT 3/8"-18
M-S915A	1	1	1	Pipe Plug	NPT 1/2"-14
M-68445	2	2	2	Groove Pin	

Premium #2 Type: These assemblies are designed for engines rated at 101-hp or higher per cylinder that do not require Premium #1 style heads. These assemblies utilize standard intake valves and intake seats, Inconel exhaust valves, short valve springs and valve rotators.

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3803515	12	24	32	Intake Valve Kit	
M-3026296	12	24	32	Intake Seat	
M-3803528	12	24	32	Exhaust Valve Kit	Inconel (code "U")
M-205093	12	24	32	Exhaust Seat	
M-205091	48	96	128	Valve Lock	
M-3633840	24	48	64	Valve Spring	
M-3081081	24	48	64	Rotator	
M-205094	24	48	64	Valve Spring Retainer	
M-3202210	24	48	64	Valve Guide	45° tapered top
M-205169	12	24	32	Crosshead Guide	For stemmed style bridges only.
M-3032633	36	72	96	Head Bolt	3/4-16x8
M-3086362	12	24	32	Crosshead	Floating
NOTE: Quantities for the miscellaneous assembly hardware listed below are for one head casting.					
M-203933	1	1	1	Expansion Plug	1/4"
M-205401	8	8	8	Expansion Plug	7/8"
M-206224	2	2	2	Expansion Plug	1-5/8"
M-67622	1	1	1	Pipe Plug	NPT 3/8"-18
M-S915A	1	1	1	Pipe Plug	NPT 1/2"-14
M-68445	2	2	2	Groove Pin	

KT/KTA REPLACEMENT PARTS

CYLINDER HEAD COMPONENTS

Improved Standard Type: These assemblies are designed for engines rated at 100-hp or less per cylinder. These assemblies utilize standard intake valves and intake seats, Stellite exhaust valves, short valve springs and valve rotators. Not for standby generator usage.

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3803515	12	24	32	Intake Valve Kit	
M-3026296	12	24	32	Intake Seat	
M-3803529	12	24	32	Exhaust Valve Kit	Stellite (code "S" or "E")
M-205093	12	24	32	Exhaust Seat	
M-205091	48	96	128	Valve Lock	
M-3633840	24	48	64	Valve Spring	
M-3081081	24	48	64	Rotator	
M-205094	24	48	64	Valve Spring Retainer	
M-3202210	24	48	64	Valve Guide	45° tapered top
M-205169	12	24	32	Crosshead Guide	For stemmed style bridges only.
M-3032633	36	72	96	Head Bolt	3/4-16x8
M-3086362	12	24	32	Crosshead	Floating
NOTE: Quantities for the miscellaneous assembly hardware listed below are for one head casting.					
M-203933	1	1	1	Expansion Plug	1/4"
M-205401	8	8	8	Expansion Plug	7/8"
M-206224	2	2	2	Expansion Plug	1-5/8"
M-67622	1	1	1	Pipe Plug	NPT 3/8"-18
M-S915A	1	1	1	Pipe Plug	NPT 1/2"-14
M-68445	2	2	2	Groove Pin	

Standard Type: These assemblies utilize standard intake valves and intake seats, Stellite exhaust valves, long valve springs and do not use rotators. For standby generator usage.

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3803515	12	24	32	Intake Valve Kit	
M-3026296	12	24	32	Intake Seat	
M-3803529	12	24	32	Exhaust Valve Kit	Stellite (code "S" or "E")
M-205093	12	24	32	Exhaust Seat	
M-205091	48	96	128	Valve Lock	
M-3629006	24	48	64	Valve Spring	
N/A	24	48	64	Spring Seat	
M-205094	24	48	64	Valve Spring Retainer	
M-3202210	24	48	64	Valve Guide	45° tapered top
M-205169	12	24	32	Crosshead Guide	For stemmed style bridges only.
M-3032633	36	72	96	Head Bolt	3/4-16x8
M-3086362	12	24	32	Crosshead	Floating
NOTE: Quantities for the miscellaneous assembly hardware listed below are for one head casting.					
M-203933	1	1	1	Expansion Plug	1/4"
M-205401	8	8	8	Expansion Plug	7/8"
M-206224	2	2	2	Expansion Plug	1-5/8"
M-67622	1	1	1	Pipe Plug	NPT 3/8"-18
M-S915A	1	1	1	Pipe Plug	NPT 1/2"-14
M-68445	2	2	2	Groove Pin	

KT/KTA REPLACEMENT PARTS

CYLINDER HEAD COMPONENTS

Special #1 Type: These assemblies utilize standard intake valves and intake seats, Stellite exhaust valves, long valve springs and do not use rotators. These assemblies also use flat top guides and stem seals and are for use on engines with long idle periods.

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3803515	12	24	32	Intake Valve Kit	
M-3026296	12	24	32	Intake Seat	
M-3803529	12	24	32	Exhaust Valve Kit	Stellite (code "S" or "E")
M-205093	12	24	32	Exhaust Seat	
M-205091	48	96	128	Valve Lock	
M-3629006	24	48	64	Valve Spring	
N/A	24	48	64	Spring Seat	
M-205094	24	48	64	Valve Spring Retainer	
M-3018818	24	48	64	Valve Guide	Flat top
N/A	24	48	64	Stem Seals	
M-205169	12	24	32	Crosshead Guide	For stemmed style bridges only.
M-3032633	36	72	96	Head Bolt	3/4-16x8
M-3086362	12	24	32	Crosshead	Floating
NOTE: Quantities for the miscellaneous assembly hardware listed below are for one head casting.					
M-203933	1	1	1	Expansion Plug	1/4"
M-205401	8	8	8	Expansion Plug	7/8"
M-206224	2	2	2	Expansion Plug	1-5/8"
M-67622	1	1	1	Pipe Plug	NPT 3/8"-18
M-S915A	1	1	1	Pipe Plug	NPT 1/2"-14
M-68445	2	2	2	Groove Pin	

Special #2 Type: These assemblies are the same as the Premium #2 units except for the use of special flat top guides and stem seals and are for use on horizontal railcar engines.

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3803515	12	24	32	Intake Valve Kit	
M-3026296	12	24	32	Intake Seat	
M-3803528	12	24	32	Exhaust Valve Kit	Inconel (code "U")
M-205093	12	24	32	Exhaust Seat	
M-205091	48	96	128	Valve Lock	
M-3633840	24	48	64	Valve Spring	
M-3081081	24	48	64	Rotator	
M-205094	24	48	64	Valve Spring Retainer	
N/A	24	48	64	Valve Guide	Flat top (special drilled)
N/A	24	48	64	Stem Seals	
M-205169	12	24	32	Crosshead Guide	For stemmed style bridges only.
M-3032633	36	72	96	Head Bolt	3/4-16x8
M-3086362	12	24	32	Crosshead	Floating
NOTE: Quantities for the miscellaneous assembly hardware listed below are for one head casting.					
M-203933	1	1	1	Expansion Plug	1/4"
M-205401	8	8	8	Expansion Plug	7/8"
M-206224	2	2	2	Expansion Plug	1-5/8"
M-67622	1	1	1	Pipe Plug	NPT 3/8"-18
M-S915A	1	1	1	Pipe Plug	NPT 1/2"-14
M-68445	2	2	2	Groove Pin	

KT/KTA REPLACEMENT PARTS

CRANKSHAFT & SEALS

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3096362	1			Crankshaft	
M-3176424		1		Crankshaft	
M-3629276			1	Crankshaft	
M-3016792	1			Front Crankshaft Seal - STD	
M-3331663	1			Front Crankshaft Dust Seal	
M-3006236	1			Front Repair Sleeve	Use with STD seal - .012" thick
M-3803994	1			Front Seal & Sleeve Assembly	O/S seal & thick (.062") wear sleeve
M-3005885	1			Rear Crankshaft Seal - STD	Dry flywheel housing
M-3005886	1			Rear Crankshaft Seal - STD	Wet flywheel housing
M-3006237	1			Rear Repair Sleeve	Use with STD seal - .012" thick
M-3099421	1			Rear Crankshaft Seal - O/S	Dry housing w/ (.062") wear sleeve
M-3090298	1			Rear Crankshaft Seal - O/S	Wet housing w/ (.062") wear sleeve
M-205247	1			O-ring	For mounting rear seal
M-3016792		1	1	Front Crankshaft Seal - STD	
M-3006236		1	1	Front Repair Sleeve	Use with STD seal - .012" thick
M-3630681		1	1	Rear Crankshaft Seal - STD	Dry flywheel housing
M-3005887		1	1	Rear Crankshaft Seal - STD	Wet flywheel housing
M-3006238		1	1	Rear Repair Sleeve	Use with STD seal - .012" thick
M-3070080		1	1	Rear Crankshaft Seal - O/S	Dry housing w/ (.062") wear sleeve
M-3076066		1	1	Rear Crankshaft Seal - O/S	Wet housing w/ (.062") wear sleeve
M-217322	1			Vibration Damper	13.5" OD

ACCESSORY DRIVE

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-190397	1	1	1	Wear Sleeve	On pulley
M-3016788	1	2	2	Accessory Drive Seal	In gear cover
M-132770	1	2	2	Accessory Drive Bushing	In gear cover
M-3200287	1	1	1	Slinger	
M-S316	2	2	2	Key	
M-3410171	1			Gasket	Accessory drive to end plate
M-3046852		1	1	Gasket	Accessory drive to gear housing
M-3026556	1	1	1	Thrust Washer	Not for aluminum units
M-116391	1	1	1	Bushing	In drive housing
M-3026557	1	1	1	Thrust Washer	Not for aluminum units
M-3014103	1	1	1	Clamping Washer	
M-3000174	1	1	1	Coupling	Splined for compressor
M-3000175	1			Coupling	Without compressor
M-3069102	1	1	1	Gasket	Compressor to drive - paper
M-199349	1			Coupling	Drive shaft to compressor
M-3076226	1	1	1	Gasket	Comp. to drive - metal edge moulded
M-3000174	1			Coupling	Comp. to drive - single cyl
M-211662	1			Thrust Washer	Comp. to drive - single cyl
M-101918	1			Jaw Coupling	Comp. to pump - double cyl
M-4026171	1	1	1	Gasket	Fuel pump mounting
M-3046200	1	1	1	Jaw Coupling Spider	
M-212613	1	1	1	Jaw Coupling	On fuel pump

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KT/KTA REPLACEMENT PARTS

FUEL SYSTEM

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3034243	1	1		Fuel Gear Pump	.750" gears
M-3034245	1	1	1	Fuel Gear Pump	1.00" gears
M-3034221		1	1	Fuel Gear Pump	1.25" gears
M-3010242	1			Gasket Set	PTG-AFC/AFC-VS
M-3010510	6	12	16	Injector O-ring	
M-3347937	6	12	16	Injector O-ring	
M-193736	6	12	16	Injector O-ring	
M-207244	6	12	16	Injector Nose Seal - STD	
M-131026	6	12	16	O-ring Seal	STC oil jumper line to injector
M-3023095	12	24	32	Banjo Sealing Washer	STC oil jumper line to head
M-3035342	1			Shut-off Valve Assy.	12 volt single terminal
M-3035362	1			Shut-off Valve Assy.	24 volt single terminal
M-154087	1	1	1	Seal Rectangular	Shut off mounting
M-4024808	1	1	1	Solenoid Repair Kit	For 12 volt shutdown
M-4024809	1	1	1	Solenoid Repair Kit	For 24 volt shutdown

NOTE: For injection pump components see the Interstate-McBee fuel systems catalog 4MDW.

TURBOCHARGER

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3032634	AR	AR	AR	Repair Kit	T18A models
M-3803257	AR	AR	AR	Repair Kit	HC5A models
M-206576	1	2	2	Turbine Inlet Mounting Gasket	High pressure units
M-3177942	1	2	2	Turbine Inlet Mounting Gasket	Low pressure units
M-201049	AR	AR	AR	Gasket, Oil Inlet	
M-201048	AR	AR	AR	Gasket, Oil Return	
M-3056158	4	4	4	Nut, Turbo Mounting	Each turbo
M-3010915	4	4	4	Stud, Turbo Mounting	Each turbo

COOLING SYSTEM

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3011389	1			Water Pump	
M-3803153	1			Water Pump Repair Kit	Brgs, seals, shaft & gaskets
M-3202283	1			Gasket	Support to gear housing
M-3026556	2			Thrust Bearing	
M-3202283	1			Gasket	Pump to support
M-3202007	1			Drive Shaft	
M-205243	1			Impeller	Cast iron
M-3076489	2	4	4	Thermostat 180° F	
M-3629205		4	4	Thermostat 195° F	LTA Engines
M-186780	2			Seal	
M-3627961		4	4	Seal	
M-3010918	1			Thermostat Housing Gasket	
M-206443		2	2	Thermostat Housing Gasket	

KT/KTA REPLACEMENT PARTS

LUBRICATION SYSTEM

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3047549	1			Lube Oil Pump Assy.	
M-69521	4			Pump Bushings	
M-205080	1			Regulator Plunger	
M-205061	1			Gasket	Pump body
M-205898	2			Pump Mounting O-ring	
M-207135	1			Pump Mounting Seal	
M-3007517	6			Piston Cooling Nozzle	w/seal
M-3201785	2			Engine Oil Cooler Core	10 plate
M-206973	4			Gasket	Core mounting
M-3200550	1			Gasket	Cooler housing to block
M-3065791	1			Gasket	Cooler cover to cooler housing
M-3627295		3	4	Engine Oil Cooler Core	
M-212161		12	16	O-ring Mounting Seals	At the bottom of the core
M-3630969		6	8	Core Mounting Gasket	For the top of the core
M-3002126		6	8	Nut	Locking type for core
M-3009324		3	4	Water Header Gasket	For block cover between banks
M-3009323		1	1	Water Header Gasket	For block cover between banks
M-3627295	2			Converter Cooler Core	
M-212161	8			O-ring Mounting Seals	At the bottom of the core
M-3002126	4			Nut	Locking type for core
M-3065791	1			Gasket	T/C housing to engine housing
M-3065792	1			Gasket	T/C cover to T/C housing
M-3060912	1			Gasket	Bypass tube
M-70624	1			O-ring Seal	Bypass tube
M-4000595	1			Oil Pan Gasket	1pc.gear housing / adaptor to block
M-3042588	1			Oil Pan Gasket	2pc.gear housing / adaptor to block
M-4910518	2			Seal Strip	Rear of adaptor
M-3042590	1			Sump Gasket	
M-3073213	1			Cover Gasket	
M-3043212		1		Oil Pan Gasket	Adaptor to block
M-3043213			1	Oil Pan Gasket	Adaptor to block
M-3043211		1	1	Sump Gasket	STD sump
M-3043211		2	3	Cover Gasket	
M-3043214		1	1	Sump Gasket	Hi-Cap sump
M-3043211		1	2	Cover Gasket	
M-3008403	1			Suction Tube Gasket	
M-206013		1	1	Suction Tube Gasket	
M-3055069	1	4	4	Drain Plug	
M-101322	1	1	1	Oil Filler Cap	2" turn tight w/o chain
M-107981	1	1	1	Oil Filler Cap	2" turn tight with chain

KT/KTA REPLACEMENT PARTS

UPPER GASKET SETS

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3800727	1			Upper Gasket Set	Non-aftercooled units
M-3800727.020	1			Upper Gasket Set .020" OS	Non-aftercooled units
M-3800728	1			Upper Gasket Set	Aftercooled units
M-3800728.020	1			Upper Gasket Set .020" OS	Aftercooled units
M-3804667	1			Upper Gasket Set	For QSK19 models
M-3800730		1		Upper Gasket Set	
M-3800730.020		1		Upper Gasket Set .020" OS	
M-3800731			1	Upper Gasket Set	
M-3800731.020			1	Upper Gasket Set .020" OS	
M-4089848		1		Upper Gasket Set	Marine units LTA / STC
M-3801895	1			Supplemental KTTA Set	Use with upper on KTTA models
M-3801896		1		Supplemental KTTA Set	Use with upper on KTTA models
M-3801897			1	Supplemental KTTA Set	Use with upper on KTTA models
M-3800726	1			Single Head Set	
M-3800726.020	1			Single Head Set .020" OS	
M-3804668	1			Single Head Set	For QSK19 models
M-3800729		1	1	Single Head Set	
M-3800729.020		1	1	Single Head Set .020" OS	

LOWER GASKET SETS

PART #	KT19	KT38	KT50	DESCRIPTION	NOTE
M-3801006	1			Lower Gasket Set	For 2 piece gear cover
M-4089391	1			Lower Gasket Set	For 1 piece gear cover & end plate
M-4025209	1			Lower Gasket Set	For QSK19 models
M-3804301		1		Lower Gasket Set	
M-3804300			1	Lower Gasket Set	

KT/KTA REPLACEMENT PARTS

KT19 GASKET LISTING

DESCRIPTION	NOTE	PART #	QTY
Accessory Drive Gasket	Drive support to gear plate	M-3410171	1
Aftercooler Core Gasket	Core mounting in housing	M-3001304	2
Aftercooler Gasket	For cover plate	M-3032161	1
Aftercooler Gasket	For seal retainer	M-3001305	2
Aftercooler Grommet Seal		M-206808	2
Aftercooler Mounting Gasket	Mounting to cylinder head	M-206277	6
Aftercooler Mounting Seal	Mounting to cylinder head	M-3014304	12
Air Compressor Gasket	Compressor to drive - paper	M-3069102	1
Air Compressor Gasket	Compressor to drive - metal	M-3076226	1
Air Compressor Gasket	Air intake flange upper	M-3201388	1
Air Compressor Gasket	Air intake to compressor	M-3201386	1
Air Compressor Water Gasket	Water connection to block	M-207117	1
Cam Follower Cover Gasket		M-3040721	6
Camshaft Cover Gasket	For rear cover	M-3040722	1
Cylinder Head Gasket - STD	"K" style with grommets	M-3166288	6
Cylinder Head Gasket - .020" OS	"K" style with grommets	M-3166287	AR
Cylinder Head Gasket - STD	"Q" style edge moulded	M-3634664	AR
Exhaust Manifold Gasket		M-3043097	6
Flywheel Housing O-ring	Rear seal carrier to housing	M-205247	1
Flywheel Housing Seal	Housing to block	M-3096260	1
Flywheel Housing Seal	Rectangular type on bolts	M-172648	14
Fuel Pump Mounting Gasket	Injection pump to a/comp. or drive	M-4026171	1
Gear Cover Plate Gasket	End plate to block for 1pc.type	M-3410141	1
Gear Cover Gasket	Cover to plate for 1pc.type	M-3074690	1
Gear Cover Gasket	Cover to block 2pc.type	M-3410141	1
Gear Cover Gasket	Cover to cover 2pc.type	M-3001318	1
Hand Hole Cover Gasket		M-3042586	3
Intake Manifold Mounting Gasket	Mounting to cylinder head	M-206277	6
Intake Manifold Crossover Gasket	Crossover tube to manifold	M-206279	1
Intake Manifold Mounting Seal	Mounting to cylinder head	M-3014304	12
Oil Cooler Cover Gasket	Cover to housing	M-3065791	1
Oil Cooler Gasket	Core to block	M-206973	4
Oil cooler Housing Gasket	Housing to block	M-3200550	1
Oil Filterhead Gasket	Dual filter head assembly to block	M-3200977	1
Oil Pan Gasket	Adapter to block 1pc.gear cover	M-4000595	1
Oil Pan Gasket	Adapter to block 2pc.gear cover	M-3042588	1
Oil Pan Seal Strip	Rectangular seal at rear of adapter	M-4910518	2
Oil Pan Gasket	Sump to adapter	M-3042590	1
Oil Pan Gasket	Cover plate to adapter	M-3073213	1
Oil Pump O-ring	Perimeter of oil pump	M-205898	2
Oil Pump Seal		M-207135	1
Oil Suction Gasket	For pickup tube	M-3008403	1
Piston Cooler O-ring	For piston nozzles	M-3015067	6
Rocker Cover Gasket		M-4922219	6
Rocker Housing Gasket	Rocker box to head	M-3630839	6
Starter Motor Gasket		M-3031007	AR
Thermostat Housing Gasket		M-3010918	1
Thermostat Seal		M-186780	2
Turbo Inlet Mounting Gasket	Turbo to exhaust manifold	M-206576	1
Turbo Inlet Mounting Gasket	Low stage turbo	M-3177942	1
Turbo Oil Supply Gasket		M-201049	AR
Turbo Oil Drain Gasket		M-3202117	AR

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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.

KT/KTA REPLACEMENT PARTS

KT19 GASKET LISTING

Continued from previous page

DESCRIPTION	NOTE	PART #	QTY
Water Connection O-rings	Water outlet to cooler core	M-3028291	2
Water Pump Gasket	Pump to drive unit	M-3202283	1
Water Pump Gasket	Pump outlet connection	M-205289	1
Water Pump O-ring	Pump to inlet housing	M-145623	1
Water Manifold O-ring		M-3028291	13

KTS38 GASKET LISTING

DESCRIPTION	NOTE	PART #	QTY
Accessory Drive Gasket	Drive support to gear cover	M-3046852	1
Aftercooler Core Gasket	"H" Core mounting in housing	M-3011580	4
Aftercooler Gasket	"H" Connection to cooler cover	M-3179026	4
Aftercooler O-ring	"H" For air tube between connectors	M-3026421	8
Aftercooler Dust Seal	"H" Over tube	M-3023130	4
Aftercooler Gasket	"H" Connection to intake manifold	M-3179027	4
Aftercooler O-ring	"H" For water transfer tube	M-3008710	4
Aftercooler Core Gasket	"O" Core mounting in housing	M-3026423	4
Aftercooler Gasket	"O" Connection to cooler cover (6 bolts)	M-3035223	4
Aftercooler Gasket	"O" Conn. to cover clamp type (4 bolts)	M-3047665	2
Aftercooler O-ring	"O" For air tube between connectors	M-3026421	4
Aftercooler Dust Seal	"O" For air tube between connectors	M-3026420	2
Aftercooler Flange Gasket	"O" For water connections	M-3026426	8
Aftercooler Adapter O-ring	"O" For water connections	M-3033915	16
Aftercooler Connection Seal	"O" For water connections	M-3627449	8
Aftercooler Tube Ferrule	"O" For water connections	M-3348860	7
Aftercooler Core Seal Strip	"L" Core mounting in housing	M-3865994	4
Aftercooler Intake Gasket	"L" Connection to intake flange	M-3047665	4
Aftercooler O-ring	"L" For coolant tubes	M-68910	26
Aftercooler Grommet Seal	"L"	M-3063294	8
Aftercooler Dust Seal	"L"	M-3058812	16
Aftercooler Mounting Gasket	Mounting to cylinder head	M-206277	12
Aftercooler Mounting Seal	Mounting to cylinder head	M-3014304	24
Air Compressor Gasket	Compressor to drive - paper	M-3069102	1
Air Compressor Gasket	Compressor to drive - metal	M-3076226	1
Cam Follower Cover Gasket		M-3040721	12
Camshaft Cover Gasket	For rear cover	M-3040722	2
Cylinder Head Gasket - STD	"Q" style edge moulded	M-3634664	12
Cylinder Head Gasket - .020" OS	"K" style with grommets	M-3166287	AR
Exhaust Manifold Gasket		M-3037821	12
Flywheel Housing Gasket	Housing to block	M-3630874	1
Fuel Pump Mounting Gasket	Injection pump to a/comp. or drive	M-4026171	1
Gear Cover Gasket	Cover to block 2pc.	M-3178076	1
Gear Cover Gasket	Cover to cover 2pc.	M-3177160	1
Hand Hole Cover Gasket		M-3175856	6
Intake Manifold Mounting Gasket	Mounting to cylinder head	M-206277	12
Intake Manifold Mounting Seal	Mounting to cylinder head	M-3014304	24
Oil Cooler Gasket	At the top of core	M-3630969	6
Oil Cooler O-ring	At the bottom of core	M-212161	12
Oil Filterhead Gasket	Quad filter assembly-front	M-3177108	1

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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.

KT/KTA REPLACEMENT PARTS

KTA38 GASKET LISTING

Continued from previous page

DESCRIPTION	NOTE	PART #	QTY
Oil Filterhead Gasket	Quad filter assembly-rear	M-3629387	1
Oil Filterhead Gasket	Quad filter end cover	M-3629141	1
Oil Pan Gasket	Adapter to block	M-3043212	1
Oil Pan Gasket	Single sump to adapter	M-3043211	1
Oil Pan Gasket	Double sump to adapter	M-3043214	1
Oil Pan Gasket	Cover plate to adapter	M-3043211	AR
Oil Suction Gasket	For pickup tube	M-206013	1
Piston Cooler O-ring	For piston nozzles	M-3007441	12
Rocker Cover Gasket		M-4922219	12
Rocker Housing Gasket	Rocker box to head	M-3630839	12
Starter Motor Gasket		M-3031007	AR
Thermostat Housing Gasket		M-206443	2
Thermostat Seal		M-3627961	4
Turbo Inlet Mounting Gasket	Turbo to exhaust manifold	M-206576	2
Turbo Inlet Mounting Gasket	Low stage turbo	M-3177942	2
Turbo Oil Supply Gasket		M-201049	AR
Turbo Oil Drain Gasket		M-3202117	AR
Water Header Gasket	Between cylinder banks	M-3009323	1
Water Header Gasket	Between cylinder banks	M-3009324	3
Water Pump Gasket	Pump to drive unit	M-206193	1
Water Pump Gasket	Pump outlet connection	M-206455	1
Water Pump O-ring	Pump outlet connection	M-3007512	1
Water Pump O-ring	Pump to inlet housing	M-206457	1
Water Pump Drive Gasket	Drive to gear cover	M-206416	1
Water Manifold O-ring		M-3028291	24

"H" = This is for the "high" box aftercooler mounted between the cylinder banks.

"O" = This is for the outboard style aftercooler mounted thru the top of the intake manifolds outboard of each cylinder bank.

"L" = This is for the low temperature style aftercooler mounted thru the side of the intake manifolds.



KT/KTA REPLACEMENT PARTS

KTA50 GASKET LISTING

DESCRIPTION	NOTE	PART #	QTY
Accessory Drive Gasket	Drive support to gear cover	M-3046852	1
Aftercooler Core Gasket	"H" Core mounting in housing	M-3011580	4
Aftercooler Gasket	"H" Connection to cooler cover	M-3179026	4
Aftercooler O-ring	"H" For air tube between connectors	M-3026421	8
Aftercooler Dust Seal	"H" Over tube	M-3023130	4
Aftercooler Gasket	"H" Connection to intake manifold	M-3179027	4
Aftercooler O-ring	"H" For water transfer tube	M-3008710	4
Aftercooler Core Gasket	"O" Core mounting in housing	M-3026423	4
Aftercooler Gasket	"O" Connection to cooler cover (6 bolts)	M-3035223	4
Aftercooler Gasket	"O" Conn. to cover clamp type (4 bolts)	M-3047665	2
Aftercooler O-ring	"O" For air tube between connectors	M-3026421	4
Aftercooler Dust Seal	"O" For air tube between connectors	M-3026420	2
Aftercooler Flange Gasket	"O" For water connections	M-3026426	8
Aftercooler Adapter O-ring	"O" For water connections	M-3033915	16
Aftercooler Connection Seal	"O" For water connections	M-3627449	8
Aftercooler Tube Ferrule	"O" For water connections	M-3348860	8
Aftercooler Core Seal	"L" Core mounting in housing	M-3627382	4
Aftercooler Core Seal Strip	"L" Core mounting in housing	M-3627381	4
Aftercooler Intake Gasket	"L" Connection to intake flange	M-3047665	4
Aftercooler O-ring	"L" For coolant tubes	M-68910	26
Aftercooler Grommet Seal	"L"	M-3063294	8
Aftercooler Dust Seal	"L"	M-3058812	16
Aftercooler Mounting Gasket	Mounting to cylinder head	M-206277	16
Aftercooler Mounting Seal	Mounting to cylinder head	M-3014304	32
Air Compressor Gasket	Compressor to drive - paper	M-3069102	1
Air Compressor Gasket	Compressor to drive - metal	M-3076226	1
Cam Follower Cover Gasket		M-3040721	16
Camshaft Cover Gasket	For rear cover	M-3040722	2
Cylinder Head Gasket - STD	"Q" style edge moulded	M-3634664	16
Cylinder Head Gasket - .020" OS	"K" style with grommets	M-3166287	AR
Exhaust Manifold Gasket		M-3037821	16
Flywheel Housing Gasket	Housing to block	M-3630874	1
Fuel Pump Mounting Gasket	Injection pump to a/comp. or drive	M-4026171	1
Gear Cover Gasket	Cover to block 2pc.	M-3178076	1
Gear Cover Gasket	Cover to cover 2pc.	M-3177160	1
Hand Hole Cover Gasket		M-3175856	8
Oil Cooler Gasket	At the top of core	M-3630969	8
Oil Cooler O-ring	At the bottom of core	M-212161	16
Oil Filterhead Gasket	Quad filter assembly-front	M-3177108	1
Oil Filterhead Gasket	Quad filter assembly-rear	M-3629387	1
Oil Filterhead Gasket	Quad filter end cover	M-3629141	1
Oil Pan Gasket	Adapter to block	M-3043213	1
Oil Pan Gasket	Single sump to adapter	M-3043211	1
Oil Pan Gasket	Double sump to adapter	M-3043214	1
Oil Pan Gasket	Cover plate to adapter	M-3043211	AR
Oil Suction Seal	For pickup tube	M-3031544	1
Rocker Cover Gasket		M-4922219	16
Rocker Housing Gasket	Rocker box to head	M-3630839	16
Starter Motor Gasket		M-3031007	AR
Thermostat Housing Gasket		M-206443	2
Thermostat Seal		M-3627961	4

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KT/KTA REPLACEMENT PARTS

KTA50 GASKET LISTING

Continued from previous page

DESCRIPTION	NOTE	PART #	QTY
Turbo Inlet Mounting Gasket	Turbo to exhaust manifold	M-206576	2
Turbo Inlet Mounting Gasket	Low stage turbo	M-3177942	2
Turbo Oil Supply Gasket		M-201049	AR
Turbo Oil Drain Gasket		M-3202117	AR
Water Header Gasket	Between cylinder banks	M-3009323	1
Water Header Gasket	Between cylinder banks	M-3009324	4
Water Pump Gasket	Pump to drive unit	M-206193	1
Water Pump Gasket	Pump outlet connection	M-206455	1
Water Pump O-ring	Pump outlet connection	M-3007512	1
Water Pump O-ring	Pump to inlet housing	M-206457	1
Water Pump Drive Gasket	Drive to gear cover	M-206416	1
Water Manifold O-ring		M-3028291	32

"H" = This is for the "high" box aftercooler mounted between the cylinder banks.

"O" = This is for the outboard style aftercooler mounted thru the top of the intake manifolds outboard of each cylinder bank.

"L" = This is for the low temperature style aftercooler mounted thru the side of the intake manifolds.

INJECTOR REFERENCE

CPL #	MODEL	INJ TYPE	INJECTOR
127	KT-1150-C-450	PT	M-3022196
150	KTA-2300-C/L	PT	M-3016676
153	KT-1150-C-450	PT	M-3022196
159	KT1150-450	PT	M-3016675
171	KT-450	PT	M-3016675
179	KTA-2300-1050	PT	M-3016676
183	KT-1150-450	PT	M-3016675
184	KTA-1150-600	PT	M-3016676
185	KT-1150-450	PT	M-3016675
212	KT-2300-900	PT	M-3016675
213	KTA-1150-M	PT	M-3016676
219	KT-1150-M	PT	M-3022197
228	KTA-2300-C/L/P-1050/1200	PT	M-3016676
229	KTA-2300-G/GS/GC	PT	M-3016676
232	KT-1150-GS/GC	PT	M-3016675
245	KTA-1150-GS/GC	PT	M-3016676
251	KTA-1150-C/L/P-525/600	PT	M-3016676
252	KT-2300-GS/GC	PT	M-3016675
253	KT-2300-L-900	PT	M-3016675
268	KT-2300-M	PT	M-3022197
269	KTA-2300-M	PT	M-3016676
274	KT-450	PT	M-3016675
275	KTA-2300-G/GS/GC	PT	M-3016676
290	KT-1150-C-450	PT	M-3016675
291	KT-1150-G/GS/GC	PT	M-3016675
292	KTA-1150-G/GS/GC	PT	M-3016676
293	KTA-1150-C/A/P-525	PT	M-3016676

CPL #	MODEL	INJ TYPE	INJECTOR
295	KT-2300-G/GS/GC	PT	M-3016675
296	KTA-2300-G/GS/GC	PT	M-3016676
297	KT-1150-G/GS/GC	PT	M-3016675
302	KTC-450	PT	M-3016675
313	KTA-3067-P/L	PT	M-3016676
334	KTA-525	PT	M-3016676
342	KTA-3067-M	PT	M-3016676
343	KTA-3067-G/GS/GC	PT	M-3016676
351	KTA-1150-C-700	PT	M-3023035
368	KTA-3067-G/GS/GC	PT	M-3016676
378	KTA-3067-P/C	PT	M-3016676
379	KTA-525	PT	M-3016676
385	KT-450	PT	M-3016675
386	KTA-600	PT	M-3016676
398	KT-1150-C/L/P	PT	M-3016675
415	KT-1150-C/L	PT	M-3016675
438	KT-450	PT	M-3016675
439	KT-450	PT	M-3016675
440	KT-450	PT	M-3016675
441	KTA-600	PT	M-3016676
442	KTA-600	PT	M-3016676
444	KT-1150-C/L/P	PT	M-3016675
445	KT-1150-C/L	PT	M-3016675
446	KT-1150-G/GS/GC	PT	M-3016675
447	KTA-1150-C/L/P-600	PT	M-3016676
474	KT-1150-C-465	PT	M-3016675
475	KTA-1150-C-635	PT	M-3016676

KT/KTA REPLACEMENT PARTS

INJECTOR REFERENCE

CPL #	MODEL	INJ TYPE	INJECTOR
476	KT-2300-G/GS/GC	PT	M-3016675
477	KT-2300-C/P/L-900	PT	M-3016675
478	KTA-2300-G/GS/GC	PT	M-3016676
501	KTA-2300-C/P/L-1050/1200	PT	M-3016676
502	KT-2300-M	PT	M-3022197
503	KTA-2300-M	PT	M-3016676
505	KTA-2300-G/GS/GC	PT	M-3016676
508	KTA-2300-P	PT	M-3023035
513	KTA-2300-P-1350	PT	M-3023035
514	KTA-2300-C-1350	PT	M-3023035
515	KTA-3067-C-1800	PT	M-3023035
520	KTA-1150-GS/GC	PT	M-3016676
521	KTA-2300-C/L/P-1200	PT	M-3016676
522	KTA-3067-C/L/P	PT	M-3016676
526	KTA-3067-C/P	PT	M-3016676
546	KTA-3067-C	PT	M-3052255
569	KTTA-19-C/P/L	STC	M-3058800
584	KT-1150-M	PT	M-3016676
610	KT-2300-C/P/L	PT	M-3016675
640	KT-1150-G	PT	M-3016675
644	KTTA-2300-C	STC	M-3052227
645	KTTA-3067-C	STC	M-3052227
672	KTA-19-G	PT	M-3016676
687	KTA-3067-G/GS/GC	PT	M-3016676
688	KTA-50-G/GS/GC	PT	M-3016676
693	KTTA-38-G/GS/GC	STC	M-3052227
720	KTA-19-M	STC	M-3058800
724	KTA-19-M	PT	M-3022197
736	KTA-50-G/GS/GC	PT	M-3016676
737	KTA-50-C/P/L	PT	M-3016676
738	KTA-50-G/GS/GC	PT	M-3016676
739	KTTA-19-G/GS/GC	STC	M-3058800
756	KTA-19-730	STC	M-3058800
758	KTA-50-C	STC	M-3052227
768	KTTA-50-G/GS/GC	STC	M-3052227
801	KTA-19-600	STC	M-3077714
809	KT-38-C	PT	M-3052255
810	KT-38-C	PT	M-3052255
816	KTTA-50-C	STC	M-3076132
823	KTA-38-P	PT	M-3023035
824	KTA-38-G	PT	M-3016676
841	KTTA-19-C/L/P	STC	M-3076132
844	KTA-38-C-1050	STC	M-3076132
846	KTTA-50-G/GS/GC	STC	M-3076132
850	KT-38-G/GS/GC	PT	M-3052255
851	KTA-38-G/GS/GC	PT	M-3053124
852	KTA-38-G/GS/GC	PT	M-3053124
853	KTA-50-G/GS/GC	PT	M-3053124
854	KTA-50-G/GS/GC	PT	M-3053124
855	KT-38-M/G/GS/GC	PT	M-3052255
859	KTA-38-C-1200	STC	M-3076132
860	KTTA-19-P	STC	M-3076132

CPL #	MODEL	INJ TYPE	INJECTOR
861	KTA-50-M	PT	M-3053124
862	KTA-50-G/GS/GC	PT	M-3053124
863	KTA-50-G/GS/GC	PT	M-3053124
864	KTA-38-G/GS/GC	PT	M-3053124
865	KTA-38-M	PT	M-3053124
866	KTA-38-G/GS/GC	PT	M-3053124
867	KTA-2300-P	PT	M-3053127
868	KTA-2300-P-1350	PT	M-3053127
869	KTA-38-C/P/L	PT	M-3053124
870	KTA-50-C/P/L	PT	M-3053124
871	KTA-50-C/P	PT	M-3053124
872	KTTA-2300-C/L	STC	M-3076132
873	KTTA-3067-C	STC	M-3076132
874	KTA-50-G/GS/GC	PT	M-3053124
875	KTA-50-G/GS/GC	PT	M-3053124
876	KTTA-38-G/GS/GC	STC	M-3076132
877	KTA-38-G	PT	M-3053124
878	KTA-50-C	STC	M-3076132
879	KT-38-C/L/P	PT	M-3052255
884	KT-19-G/GS/GC	PT	M-3016675
885	KTA-19-G/GS/GC	PT	M-3016676
886	KTA-19-G/GS/GC	PT	M-3016676
888	KTA-19-G	PT	M-3016676
889	KTA-38-G	PT	M-3053124
898	KT-38-G/GS/GC	PT	M-3052255
900	KT-38-G/GS/GC	PT	M-3052255
901	KT-38-C/L/P	PT	M-3052255
951	KTTA-19-C	STC	M-3076130
952	KTA-19-M	PT	M-3022197
968	KTTA-50-C/L	STC	M-3076133
969	KTA-19-M	PT	M-3022197
975	KT-38-M	PT	M-3053126
976	KTA-38-M	PT	M-3053126
977	KTA-50-M	PT	M-3053126
1170	KTTA-19-G	STC	M-3076700
1190	KTA-19-R	PT	M-3016676
1219	KTA-50-G	STC	M-3076703
1250	KTTA-50-C-2000	STC	M-3076704
1251	KTA-38-G	STC	M-3076703
1253	KTTA-19-C/R/P/L	STC	M-3076130
1254	KTTA-50-G	STC	M-3076702
1299	KTA-38-G	PT	M-3053124
1300	KTA-38-G	PT	M-3053124
1319	KTA-19-M	STC	M-3076130
1430	KTA-19-R	STC	M-3076130
1455	KTA-19-G	STC	M-3077715
1456	KTA-19-G	STC	M-3077715
1457	KTA-19-G	STC	M-3077715
1458	KTA-19-G	STC	M-3077715
1495	KTA-38-G	STC	M-3076703
1496	KTA-38-G	STC	M-3076703
1497	KTA-38-G	STC	M-3076703

KT/KTA REPLACEMENT PARTS

PTD-K INJECTOR COMPONENTS

DESCRIPTION	PART #									
		M-3016675	M-3016676	M-3022196	M-3022197	M-3023035	M-3052255	M-3053124	M-3053126	M-3053127
Injector Clamp	M-3006696	X	X	X	X	X	X	X	X	X
Injector Clamp Bolt	M-165006 (2)	X	X	X	X	X	X	X	X	X
Plunger Link	M-205462	X	X	X	X	X	X	X	X	X
Compression Spring	M-205464	X	X	X	X	X	X	X	X	X
Injector Body Adaptor	M-205463	X	X	X	X	X	X	X	X	X
Orifice Gasket	M-173086	X	X	X	X	X	X	X	X	X
Orifice Plug	M-3045047	X	X	X	X	X	X	X	X	X
Filter Screen	M-3008706	X	X	X	X	X	X		X	X
Filter Screen	M-3054999						X			
Screen Retainer	M-174299	X	X	X	X	X	X	X	X	X
Roll Pin	M-203426 (2)	X	X	X	X	X	X	X	X	X
Check Ball	M-167157	X	X	X	X	X	X	X	X	X
Plunger & Barrel	M-3037292	X	X	X	X	X				
Plunger & Barrel	M-3052254						X	X	X	X
Injector Cup	M-3003933	X					X			
Injector Cup	M-3001314		X			X		X		X
Injector Cup	M-3003932			X						
Injector Cup	M-3005693				X				X	
Cup Retainer	M-207245	X	X	X	X	X	X	X	X	X
Injector O-ring - Upper	M-3010510	X	X	X	X	X	X	X	X	X
Injector O-ring - Middle	M-3347937	X	X	X	X	X	X	X	X	X
Injector O-ring - Lower	M-193736	X	X	X	X	X	X	X	X	X
Injector Nose Sealing Ring	M-207244	X	X	X	X	X	X	X	X	X

KT/KTA REPLACEMENT PARTS

STC-K INJECTOR COMPONENTS

DESCRIPTION	PART #									
		R-3076130	R-3076132	R-3076100	R-3076102	R-3076103	R-3076104	R-307714	R-307715	R-3077160
Plunger Link	M-3052233	X	X	X	X	X	X	X	X	X
Tappet - HVT	M-3075381	X	X	X	X	X	X	X	X	X
Tappet Repair Kit	M-3804700	X	X	X	X	X	X	X	X	X
Lock Nut	M-3000465	X	X	X	X	X	X	X	X	X
Spring Retainer	M-3052218	X	X	X	X	X	X	X	X	X
Compression Spring - Large OD	M-3042427	X	X	X	X	X	X	X	X	X
Compression Spring - Small OD	M-3042428	X	X	X	X	X	X	X	X	X
Orifice Plug Gasket	M-173086	X	X	X	X	X	X	X	X	X
Orifice Plug Screen	M-3054999	X			X	X			X	X
Orifice Plug Screen	M-3008706		X	X			X	X		
Screen Retainer	M-174299	X	X	X	X	X	X	X	X	X
Check Ball	M-167157	X	X	X	X	X	X	X	X	X
Roll Pin	M-203426 (2)	X	X	X	X	X	X	X	X	X
Plunger & Barrel	M-3076125	X	X						X	X
Plunger & Barrel	M-3076126			X	X	X	X			
Plunger & Barrel	M-3076127							X		
Injector Cup	M-3279720	X			X	X				
Injector Cup	M-3042713		X					X		X
Injector Cup	M-3059929			X						
Injector Cup	M-3279747						X			
Injector Cup	M-3077716								X	
Cup Retainer	M-3042430	X	X	X	X	X	X	X	X	X
Injector O-ring - Upper	M-3010510	X	X	X	X	X	X	X	X	X
Injector O-ring - Middle	M-3347937	X	X	X	X	X	X	X	X	X
Injector O-ring - Lower	M-193736	X	X	X	X	X	X	X	X	X
Injector Nose Sealing Ring	M-207244	X	X	X	X	X	X	X	X	X

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STC-K INJECTOR COMPONENTS

DESCRIPTION	PART #	<i>R-3078194</i>	<i>R-3087587</i>	<i>R-3095773</i>	<i>R-3279719</i>	<i>R-3349860</i>	<i>R-3349861</i>	<i>R-3406592</i>	<i>R-3609849</i>	<i>R-3609932</i>
Tappet - HVT	M-3075381	X	X	X	X	X	X	X	X	X
Tappet Repair Kit	M-3804700	X	X	X	X	X	X	X	X	X
Lock Nut	M-3000465	X	X	X	X	X	X	X	X	X
Spring Retainer	M-3052218		X	X	X	X	X	X	X	X
Spring Retainer	M-3066707	X								
Compression Spring - Large OD	M-3042427		X	X	X	X	X	X	X	X
Compression Spring - Small OD	M-3042428		X	X	X	X	X	X	X	X
Compression Spring - Large OD	M-3060615	X								
Compression Spring - Small OD	M-3060614	X								
Orifice Plug Gasket	M-173086	X	X	X	X	X	X	X	X	X
Orifice Plug Screen	M-3054999	X	X	X		X	X	X	X	X
Orifice Plug Screen	M-3008706				X					
Screen Retainer	M-174299	X	X	X	X	X	X	X	X	X
Check Ball	M-167157	X	X	X	X	X	X	X	X	X
Roll Pin	M-203426 (2)	X	X	X	X	X	X	X	X	X
Plunger & Barrel	M-3076125		X							
Plunger & Barrel	M-3076126			X	X	X	X	X	X	X
Plunger & Barrel	M-3069707	X								
Injector Cup	M-3279720			X	X					
Injector Cup	M-3279747						X	X		
Injector Cup	M-3077716		X							
Injector Cup	M-3073573	X								
Injector Cup	M-3609841				X					
Injector Cup	M-3609933									X
Injector Cup	M-3349862					X				
Cup Retainer	M-3042430		X	X	X	X	X	X	X	X
Cup Retainer	M-3066693	X								
Injector O-ring - Upper	M-3010510	X	X	X	X	X	X	X	X	X
Injector O-ring - Middle	M-3347937	X	X	X	X	X	X	X	X	X
Injector O-ring - Lower	M-193736	X	X	X	X	X	X	X	X	X
Injector Nose Sealing Ring	M-207244	X	X	X	X	X	X	X	X	X

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STC-K INJECTOR COMPONENTS

DESCRIPTION	PART #	R-3609962	R-3609968	R-3627922	R-3629008	R-4010642				
Tappet - HVT	M-3075381	X	X	X	X	X				
Tappet Repair Kit	M-3804700	X	X	X	X	X				
Lock Nut	M-3000465	X	X	X	X	X				
Spring Retainer	M-3052218	X	X	X	X	X				
Compression Spring - Large OD	M-3042427	X	X	X	X	X				
Compression Spring - Small OD	M-3042428	X	X	X	X	X				
Orifice Plug Gasket	M-173086	X	X	X	X	X				
Orifice Plug Screen	M-3054999	X				X				
Orifice Plug Screen	M-3008706		X	X	X					
Screen Retainer	M-174299	X	X	X	X	X				
Check Ball	M-167157	X	X	X	X	X				
Roll Pin	M-203426 (2)	X	X	X	X	X				
Plunger & Barrel	M-3076126	X	X	X	X	X				
Injector Cup	M-3279720		X							
Injector Cup	M-3279747			X	X					
Injector Cup	M-3609964	X				X				
Cup Retainer	M-3042430	X	X	X	X	X				
Injector O-ring - Upper	M-3010510	X	X	X	X	X				
Injector O-ring - Middle	M-3347937	X	X	X	X	X				
Injector O-ring - Lower	M-193736	X	X	X	X	X				
Injector Nose Sealing Ring	M-207244	X	X	X	X	X				

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M-AR12252	Main Bearing Set	10
M-AR12253	Main Bearing Set	10
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R-3609968	Injector STC-K Reb	29
R-3627922	Injector STC-K Reb	29
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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.

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts – U.S.A. and Canada

COVERAGE

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Castings

Cylinder head and cylinder block castings are warranted for 12 months from date of installation; part replacement only, no progressive damage, no labor.

Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty." This warranty does not apply to parts provided by Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond thirty (30) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts and labor needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid in accordance with published labor rates, but not to exceed reasonable flat rates times nor Interstate McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (30) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty."

This warranty for the U.S.A. & Canada shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof. This warranty applies to parts sold by Interstate-McBee on or after August 2007.

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

- **Export & Remanufactured Engine Parts**
- **All Fuel Injection, New & Remanufactured**

COVERAGE

The parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months, 100,000 miles or 2,000 hours of operation, whichever comes first, from date of first installation in an engine. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

This warranty does not apply to parts provided by Interstate Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond eighteen (18) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

The obligation of Interstate-McBee under this warranty, statutory or otherwise, is limited to the replacement or repair of Interstate-McBee parts, which our inspection discloses to our satisfaction to have been defective. Repair will be performed at our factory in Cleveland, OH or other Interstate-McBee approved facility. Proof of purchase is required.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

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This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's Extended Warranty). Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof is prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or the enforceability of any other warranty provisions or portions thereof.

This warranty applies to parts sold by Interstate on or after August, 2007.

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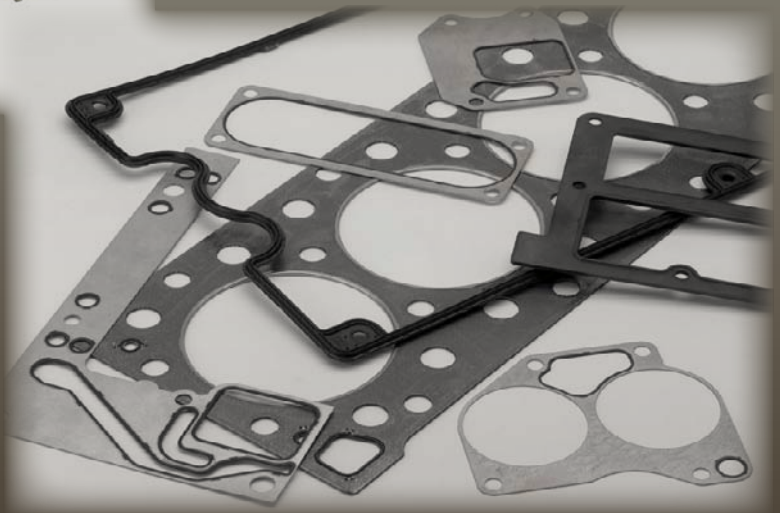
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MODEL	UPPER	LOWER	NOTE
V/VT378	M-3277752	M-3801657	Big & small cam
V/VT504	M-3277753	M-3801658	Big & small cam
V/VT555	M-AR63520	M-3801659	Big & small cam
4B3.9	M-3804896	M-3802375	1983 - April 2003
	M-3802362 .25mm		
	M-3802242 .50mm		
	M-4089648		April 2003 & up - with tophat seals
6B5.9	M-3804897	M-3802376	1983 - April 2003
	M-3802364 .25mm		
	M-3802245 .50mm		
	M-4089649		
	M-4089650 .25mm		
M-4089651 .50mm	April 2003 & up - with tophat seals		
G5.9	M-2881955	M-3802376	GAS 2 valve GTA5.9 CNGE
QSB3.9-30	M-4089648	M-3802375	2003 2 valve VP30
QSB4.5-30	M-4089648	M-3802375	2003 2 valve VP30
B4.5C	M-4089648	M-3802375	2003 2 valve Delphi DP
QSB5.9-30	M-4089649	M-3802376	2003 2 valve VP30
ISB5.9	M-4090035	M-3800487	1998-2002 4valve VP44 with R/C isolators
	M-4090037	M-3800487	1998-2002 4valve VP44 with R/C bolt assy.
ISB5.9	M-4089263	M-4089264	2002-2006 HPCR with RGT - EGR
	M-4089819	M-4089173	2002-2006 HPCR with FGT - EGR
ISB6.7	M-4955354	M-4955355	2007 HPCR CM2150 FGT Dodge
	M-4955523	M-4955522	2007 HPCR CM2150 RGT
	M-4955523	M-4955522	2010 HPCR CM2250 RGT
ISBe 3.9	M-4089780	M-4025108	2002-2006 HPCR with RGT
ISBe 5.9	M-4089781	M-4025139	2002-2006 HPCR with RGT
ISBe4 4.5	M-4955356	M-4955357	2006 HPCR CM850 RGT
ISBe5 4.5	M-4955356	M-4955357	2009 HPCR CM2150 RGT
ISBe4 6.7	M-4955229	M-4955230	2006 HPCR CM850 RGT
ISBe5 6.7	M-4955229	M-4955230	2009 HPCR CM2150 RGT
QSB5.9	M-4090035	M-3800833	1998-2002 4valve VP44 with R/C isolators
	M-4090037	M-3800833	1998-2002 4valve VP44 with R/C bolt assy.
QSB3.9	M-4089780	M-4025108	HPCR CM800 RGT
4ISBE-G1	M-4089780	M-4025108	HPCR generator HPCR CM800 RGT
QSB5.9	M-4089781	M-4025139	HPCR CM800 RGT
B4.5RGT	M-4955356	M-4025108	HPCR construction Bosch VE
QSB4.5	M-4955356	M-4955357	2006 HPCR CM850 RGT
QSB5.9-M	M-4089957	M-4089956	2006 HPCR 425HO FGT
QSB6.7	M-4955229	M-4955230	2006 HPCR CM850 RGT
C8.3	M-4025271	M-3800558	1983-1998
	M-3800747 .25mm		
	M-3800748 .50mm		
G8.3	M-4025274	M-3800558	Natural gas engines
ISC	M-4089958	M-3800343	1998-2002 CAPS fuel CM554
	M-4089758	M-4089759	2002-2007 HPCR CM850
	M-4955643	M-4955644	2007> HPCR CM2150
QSC	M-4089958	M-3800343	1998-2002 CAPS fuel CM554
	M-4089978	M-4089979	2005> HPCR CM850
ISL	M-4089958	M-3800929	1999-2002 CAPS fuel CM554
	M-4089758	M-4089759	2002-2007 HPCR CM850
	M-4955643	M-4089889	2007 HPCR CM2150
QSL	M-4089958	M-3800929	1999-2002 CAPS fuel CM554
QSL9	M-4089978	M-4089889	HPCR CM850
L10	M-4025155	M-3803404	Pre1988 internal damper
	M-4025155	M-4089998	Pre1991 fixes timing & external damper
	M-4089478	M-4089998	1991 > STC & Celect
GTA10	M-4025155	M-4089998	Natural gas
M11	M-4089478	M-4089998	1994 & M11 Plus auto/industrial
ISM	M-4089478	M-4089998	CM875/876
QSM11	M-4089478	M-4089998	CM570
	M-3800861	M-4089998	

MODEL	UPPER	SINGLE HEAD	LOWER	NOTE
N/NT495	use (M-3802077)		M-AR95137	
H672 / H743	M-3802076		M-3802075	
NH743	M-3802077		M-3801466	
	M-3802077		M-3801467	Supercharged
GT12	MCB3802077	MCB743HS	MCB3801466	Natural gas
NH/NT855	M-4024946	M-4024958	M-3801463	SC non-FFC & non piston cooled
	M-4024946	M-4024958	M-3801464	SC non-FFC & piston cooled
	M-4024946	M-4024958	M-3014459	SC FFC & piston cooled
	M-4024946	M-4024958	M-3801465	SC NTA
NTE	M-4024949	M-4024958	M-3801470	NTE290
	M-4024948	M-4024958	M-3801470	NTE350/370/400
NT/NTA	M-4024946	M-4024958	M-3801468	BC-BCII ≤ NTC400
	M-4024946	M-4024958	M-3018762	BC-BCII wet clutch
	M-4024953	M-4024958	M-3801469	BCI NTC475 MVT
	M-4024946	M-4024958	M-3801469	BC-BCII NTCC
	M-4024946	M-4024958	M-3801235	BCIII ≤ NTC400
	M-4024953	M-4024958	M-3801529	BCIII NTC475 MVT
	M-4024920	M-4024921	M-3801454	BCIV & NBCIV fixed timing
	M-4024919	M-4024922	M-3801454	NBCIV STC timing
G855	M-4024918	M-4024923	M-3803041	88BCIV
	M-4024946	M-4024958	M-3801463	SC non-FFC
	M-4024946	M-4024958	M-3801464	SC non-FFC piston cooling
N14	M-4024946	M-4024958	M-3801235	BC
	M-4089368	M-4089369	M-4025069	STC construction
	M-4089371	M-4089370	M-4025069	91N14
	M-4089371	M-4089370	M-4025068	94N14 & up 6 exhaust gaskets
GTA14	M-4089371	M-4089372	M-4025068	94N14 & up 3 exhaust gaskets
	M-4089371	M-4089370	M-4025068	Natural gas
V/VT903	M-3013497	M-3013498	M-3014458	
	M-3013497	M-3013498	M-3013496	Marine & bus
ISX	M-4955595		M-4955590	1pc head gasket non-EGR
	M-4955596		M-4955591	1pc head gasket EGR
QSX	M-4955595		M-4955590	1pc head gasket non-EGR
V/VTA28	M-3803697	M-3801403	M-3017564	No crankshaft seals
KT19	M-3800727	M-3800726	M-4089390	Non-aftercooled 2pc gear housing
	M-3800727.020	M-3800726.020	M-4089390	Non-aftercooled 2pc gear hsg .020" OS
	M-3800727	M-3800726	M-4089391	Non-aftercooled 1pc gear housing
	M-3800727.020	M-3800726.020	M-4089391	Non-aftercooled 1pc gear hsg .020" OS
KTA19	M-3800728	M-3800726	M-4089390	Aftercooled 2pc gear housing
	M-3800728.020	M-3800726.020	M-4089390	Aftercooled 2pc gear hsg .020" OS
	M-3800728	M-3800726	M-4089391	Aftercooled 1pc gear housing
	M-3800728.020	M-3800726.020	M-4089391	Aftercooled 1pc gear hsg .020" OS
KTTA19*	M-3800728	M-3800726	M-4089390	Aftercooled 2pc gear housing
	M-3800728.020	M-3800726.020	M-4089390	Aftercooled 2pc gear hsg .020" OS
	M-3800728	M-3800726	M-4089391	Aftercooled 1pc gear housing
	M-3800728.020	M-3800726.020	M-4089391	Aftercooled 1pc gear hsg .020" OS
	* Also use supplemental STC set number M-3801895			
GTA19	M-2881952		M-4089391	
KT/KTA38	M-3800730	M-3800729	M-3804301	
	M-3800730.020	M-3800729.020	M-3804301	.020" OS
KTTA38*	M-3800730	M-3800729	M-3804301	
	M-3800730.020	M-3800729.020	M-3804301	.020" OS
	* Also use supplemental STC set number M-3801896			
KTA50	M-3800731	M-3800729	M-3804300	
	M-3800731.020	M-3800729.020	M-3804300	.020" OS
KTTA50*	M-3800731	M-3800729	M-3804300	
	M-3800731.020	M-3800729.020	M-3804300	.020" OS
	* Also use supplemental STC set number M-3801897			
QSK19	M-3804667	M-3804668	M-4089717	

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G855

G855BC

GTA12

L10 240/260G

L10 280/300G

GTA 8.3

C8.3G

G8.3G PLUS

G5.9

GTA 5.9

B5.9G



G3508

G3512

G3516

G3520

G353

G379

G398

G399

G342

G3406

G3408

G3412

G3304

G3306

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G12/G855

ENGINE KITS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
MCIF70100101	1			Inframe Kit	10:1 ratio
MCIF70100851	1			Inframe Kit	8.5:1 ratio
MCIF80100101		1		Inframe Kit	10:1 ratio
MCIF80100851		1		Inframe Kit	8.5:1 ratio
MCIFAR3560		1		Inframe Kit	12:1 ratio
MCIF80100101BC			1	Inframe Kit	10:1 ratio
MCIF80100851BC			1	Inframe Kit	8.5:1 ratio
MCIFAR3560BC			1	Inframe Kit	12:1 ratio
MCOH70100101	1			Overhaul Kit	10:1 ratio
MCOH70100851	1			Overhaul Kit	8.5:1 ratio
MCOH80100101		1		Overhaul Kit	10:1 ratio
MCOH80100851		1		Overhaul Kit	8.5:1 ratio
MCOHAR3560		1		Overhaul Kit	12:1 ratio
MCOH80100101BC			1	Overhaul Kit	10:1 ratio
MCOH80100851BC			1	Overhaul Kit	8.5:1 ratio
MCOHAR3560BC			1	Overhaul Kit	12:1 ratio

***NOTE: Specify big cam rod bearings and big cam lower gasket set when ordering.**

GASKET SETS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
MCB3802077	1			Upper Set	
MCB743HS	3			Upper Set - Single Head	
M-4024945		1	1	Upper Set	
M-4024946		1	1	Upper Set	Reusable R/C gaskets
M-4024958		AR	AR	Upper Set - Single Head	
MCB3801466	1			Lower Set	With seals
M-3801463		1		Lower Set non-FFC	With seals
M-3801464		1		Lower Set non-FFC pist-cld	With seals
M-3801235			1	Lower Set	With seals
M-3801339		1		Overhaul Gasket Set non-FFC	
M-3801340		1		Overhaul Gasket Set non-FFC	Piston cooled
MCB1012	1	1		Aftercooler Gasket Set	
M-EP#11	1	1		Follower Hsg Gasket Set	
M-EP#10			1	Follower Hsg Gasket Set	
MCB175			1	Gear Cover Gasket Set	
MCB1010	1	1		Oil Cooler Gasket Set	For 6.5" core
M-3801199			1	Oil Cooler Gasket Set	For plated core
MCB855		1		Oil Pan Gasket Set	
M-3804303			1	Oil Pan Gasket Set	

G12/G855

CYLINDER COMPONENTS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-CK70100101P	6			Cylinder Kit	10:1 ratio
M-CK70100851P	6			Cylinder Kit	8.5:1 ratio
M-CK80100101P		6	6	Cylinder Kit	10:1 ratio
M-CK80100851P		6	6	Cylinder Kit	8.5:1 ratio
M-CKAR3560P		6	6	Cylinder Kit	12:1 ratio
M-70100101	6			Piston Kit	10:1 ratio
M-70100851	6			Piston Kit	8.5:1 ratio
M-80100101		6	6	Piston Kit	10:1 ratio
M-80100851		6	6	Piston Kit	8.5:1 ratio
M-AR3560		6	6	Piston Kit	12:1 ratio
M-AR12098	6			Ring Set	
M-3801056		6	6	Ring Set	
M-203070	6			Piston Pin	
M-191970		6		Piston Pin	
M-175755	12	12		Piston Pin Retainer	
M-BM98224	6			Liner Kit	Incl. seals
--M-215983	6			--Crevice Seal	
--M-216879	6			--O-ring Seal	Black center
--M-181449	6			--O-ring Seal	Red lower
M-3801826		6	6	Liner Kit STD	Incl. seals
M-3803219		AR	AR	Liner Kit .020"/.040" LPF	Incl. seals
M-3801387		AR	AR	Liner Kit .020" UPF	Incl. seals
M-3800174		6	6	Liner Seal Kit	
--M-215090		6	6	--Crevice Seal	
--M-3032874		12	12	--O-ring Seal	
M-3054948		AR	AR	Liner Seal Ring .020"	STD liner
M-3019959		AR	AR	Liner Seal Ring .031"	STD liner
M-3019960		AR	AR	Liner Seal Ring .062"	STD liner
M-3066843		AR	AR	Liner Seal Ring .018"	.020"/.040" liner
M-3065406		AR	AR	Liner Seal Ring .020"	.020"/.040" liner
M-3066844		AR	AR	Liner Seal Ring .022"	.020"/.040" liner

G12/G855

ENGINE BEARINGS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3801260	1	1	1	Main Bearing Set STD	
M-3801261	1	1	1	Main Bearing Set .010"	
M-3801262	1	1	1	Main Bearing Set .020"	
M-3801263	1	1	1	Main Bearing Set .030"	
M-3801264	1	1	1	Main Bearing Set .040"	
M-203670	12	12		Rod Shell STD	For 3013282 straight top rod
M-203671	12	12		Rod Shell .010"	
M-203672	12	12		Rod Shell .020"	
M-203673	12	12		Rod Shell .030"	
M-203674	12	12		Rod Shell .040"	
M-203660		12		Rod Shell STD	For 3015523 tapered small cam rod
M-203661		12		Rod Shell .010"	
M-203662		12		Rod Shell .020"	
M-203663		12		Rod Shell .030"	
M-214950		12	12	Rod Shell STD	For BC engines and updated SC engines
M-214951		12	12	Rod Shell .010"	
M-214952		12	12	Rod Shell .020"	
M-214953		12	12	Rod Shell .030"	
M-214954		12	12	Rod Shell .040"	
M-BM27253	1	1		Cam Bearing Set	
M-3801106			1	Cam Bearing Set	
M-187420		6	6	Connecting Rod Bushing	Tapered rod
M-43067	12			Connecting Rod Bushing	Straight top rod

CRANKSHAFT SEALS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3010457	1	1		Front Seal	Tapered crank
M-3010464	1	1		Front Wear Sleeve	Tapered crank
M-3006736			1	Front Seal	
M-3006742			1	Front Wear Sleeve	
M-3006737	1	1	1	Rear Seal	
M-3006743	1	1	1	Rear Wear Sleeve	
M-3067616	1	1	1	Gasket, Rear Cover	Horseshoe

G12/G855

CRANKSHAFT & DAMPER

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3029341	1	1		Crankshaft - Tapered	
M-3608833			1	Crankshaft - Snub Nose	
M-217321	1	1		Damper	
M-217323			1	Damper	

CAMSHAFT & FOLLOWERS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3801030	1	1		Camshaft, Flanged	
M-9235-1	1	1		Cam Thrust Washer	
M-215233			1	Cam Thrust Washer	
M-AR1176	1	1	1	Shim Kit	
M-9260-1	12	12		Roller, Valve Follower	
M-3013331	12	12		Pin, Valve Follower	
M-118939	12	12		Roll Pin	
M-107738	12	12		Socket	
M-3065125	6	6		Cam Follower Shaft	
M-3046418	12	12		Push Tube	
M-9266A	3	3		Follower Housing Gasket	.006" - .008"
M-120819	3	3		Follower Housing Gasket	.027" - .033"
M-3036933			12	Roller, Valve Follower	
M-3013331			12	Pin, Valve Follower	
M-3064309			12	Roll Pin	
M-213559			12	Socket	
M-3065125			6	Cam Follower Shaft	
M-3046420			12	Push Tube	
M-3068473			3	Follower Housing Gasket	

G12 CYLINDER HEAD COMPONENTS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3226064	24			Valve, Intake & Exhaust 20°	
M-S2037	48			Valve Lock	
M-66890	24			Valve Guide	
M-90210010	24			Valve Spring	
M-90210020	24			Valve Seat	
M-90210009	24			Rotator	
M-90210035	6			Adaptor, Spark Plug	
M-3394114	6			Adaptor Gasket	
M-172205	6			Adaptor O-ring	
M-123558	12			Crosshead Guide	

G12/G855

G855 CYLINDER HEAD COMPONENTS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3226068		24	24	Valve, Intake & Exhaust 20°	
MCB3226068		24	24	Valve, Intake & Exhaust 20° - Inconel	
M-127554		48	48	Valve Lock	
M-3006456		24	24	Valve Guide	
M-90210012		24	24	Valve Spring	
M-170296		24	24	Retainer, Spring	
M-3394116		24	24	Valve Seat	
M-90210011		24	24	Rotator	
M-90210035		6	6	Adaptor, Spark Plug	
M-3394114		6	6	Adaptor Gasket	
M-172205		6	6	Adaptor O-ring	
M-123558		12	12	Crosshead Guide	

LUBRICATION SYSTEM

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-110848	1	1		Cooler Core	6.5"L
MCB1010	1	1		Gasket Set	For 6.5" core
M-142608	1	1		Cooler Core	16"L
MCB1010	1	1		Gasket Set	For 16" core
M-3412285			1	Cooler Core	13"L end plated type
M-3801199			1	Gasket Set	For 13" core
M-3609837			1	Oil Pump	
--M-3884126			1	--Plunger	
--M-3010146			1	--Plunger Spring	

COOLING SYSTEM

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-BM76506	1			Water Pump	Without pulley
M-AR4284		1		Water Pump	Includes pulley
MCB102		1		W/P Repair Kit	
M-154966	1	1		Pulley	
M-9097	1			Gasket, Pump Mounting	
M-130240		1		Gasket, Pump Mounting	
M-135675	1	1		Thermostat	170° vented
M-3411335			1	Thermostat	
M-186780	1	1	1	Seal	
M-70441	1	1		Housing Gasket	
M-208128			1	Housing Gasket	
M-3032348	1	1		Gasket, Neck Connection	

G12/G855

GASKETS

PART #	G12	G855	G855BC	DESCRIPTION	NOTE
M-3020943	6	6	6	Exhaust Manifold Gasket	To head
M-139266	1	1	1	Exhaust Manifold Gasket	Flange to manifold
M-3021704	1	1	1	Gear Cover Mtg. Gasket	1pc
M-4058949	1	1	1	Gear Cover Mtg. Gasket	Puzzle
M-3008591	3	3	3	Intake Manifold Gasket	
M-178788	1	1	1	Oil Pan Gasket	Puzzle for cast pan
M-3048066	1	1	1	Oil Pan Gasket	1pc for cast pan
M-3099083	1	1	1	Oil Pan Gasket	1pc for stamped pan
M-67963	1			Oil Tube Gasket	
M-157551		1	1	Oil Tube Gasket	
M-3034986		1	1	Oil Tube Seal	Rect.
M-3029847		1	1	Oil Tube Seal	Oring
M-3067616	1	1	1	Rear Crank Cover Gasket	Horseshoe
M-194106	3			Rocker Box Gasket	
M-3017750		3	3	Rocker Box Gasket	
M-108692	3			Rocker Cover Gasket	
M-3054841		3	3	Rocker Cover Gasket	
M-3067459		3	3	Rocker Cover Gasket	Plastic reusable
M-70441	1	1		Thermostat Hsg. Gasket	
M-208128		1	1	Thermostat Hsg. Gasket	FFC
M-3019158	1	1		Thermostat Neck Gasket	
M-3088984			1	Turbo Mounting Gasket	
M-3024709	6	6	6	Water Manifold Mtg Oring	
M-9097	1			Water Pump Mtg. Gasket	
M-130240		1		Water Pump Mtg. Gasket	
M-3076522			1	Water Pump Mtg. Gasket	

ENGINE KITS

PART #	L10G	DESCRIPTION	NOTE
IF3804696	1	Inframe Kit	
OH3804696	1	Overhaul Kit	

CYLINDER COMPONENTS

PART #	L10G	DESCRIPTION	NOTE
M-3804696	6	Cylinder Kit	
M-3804695	6	Piston Kit	Piston, pin & retainers
M-3804694	6	Ring Set	
M-3016650	6	Piston Pin	
M-3016652	12	Piston Pin Retainer	
M-3803703	6	Liner Kit	Includes seal
--M-3047188	6	--Rectangular Seal Ring	
M-3032623	AR	Liner Seal Ring	.005"
M-3034663	AR	Liner Seal Ring	.008"
M-3803495	6	Piston Cooling Nozzle Kit	

GASKET SETS

PART #	L10G	DESCRIPTION	NOTE
M-4025155	1	Upper Set	
M-4089998	1	Lower Set	With seals

ENGINE BEARINGS

PART #	L10G	DESCRIPTION	NOTE
M-3016760	12	Connecting Rod Bearing - STD	
M-3016761	12	Connecting Rod Bearing -.010"	
M-3016762	12	Connecting Rod Bearing -.020"	
M-3016763	12	Connecting Rod Bearing -.030"	
M-4025125	1	Main Bearing Set - STD	
M-4025126	1	Main Bearing Set -.010"	
M-4025127	1	Main Bearing Set -.020"	
M-4025128	1	Main Bearing Set -.030"	
M-4025120	1	Main Bearing Set - STD	Tabbed thrust washer
M-4025121	1	Main Bearing Set -.010"	Tabbed thrust washer
M-4025122	1	Main Bearing Set -.020"	Tabbed thrust washer
M-4025123	1	Main Bearing Set -.030"	Tabbed thrust washer
M-3820566	7	Cam Bearing - STD	
MCB7025	7	Cam Bearing - Oversize	For block salvage
M-3896894	6	Connecting Rod Bushing	

CRANKSHAFT & ACCESSORY DRIVE SEALS

PART #	L10G	DESCRIPTION	NOTE
M-3804744	1	Front Seal Kit - STD	
M-3820918	1	Front Salvage Sleeve	Thin for STD seal
M-4089544	1	Rear Seal Kit - STD	
M-3819774	1	Rear Salvage Sleeve	Thin for STD seal
M-4089542	1	Rear Seal & Sleeve Kit	Seal & wear sleeve assembly
M-3804304	1	Accessory Drive Seal Kit	Compressor side
M-3803894	1	Accessory Drive Seal Kit	W/P side

CAMSHAFT FOLLOWERS

PART #	L10G	DESCRIPTION	NOTE
M-3895488	12	Cam Follower Roller	
M-3335342	12	Cam Follower Pin	
M-3033292	12	Cam Follower Socket	

CYLINDER HEAD COMPONENTS

Phase III Original Build

PART #	L10G	DESCRIPTION	NOTE
M-3606856	24	Valve - Intake & Exhaust	
M-3275354	48	Valve Lock	
M-3328785	24	Valve Guide	
M-3328781	24	Valve Guide Seal	
M-3033232	24	Valve Spring	
M-3033233	24	Valve Spring	
M-3033230	24	Spring Guide	
M-3033231	24	Retainer, Spring	
M-4004806	24	Valve Seat	
M-3070486	6	Injector Tube	
M-3035026	6	Injector Tube Seal	
M-3070137	6	O-ring Seal - Upper	Spark adactor to inj. tube
M-3070138	6	O-ring Seal - Middle	Spark adactor to inj. tube
M-193736	6	O-ring Seal - Lower	Spark adactor to inj. tube

LUBRICATION SYSTEM

PART #	L10G	DESCRIPTION	NOTE
M-4003950	1	Oil Pump Assembly	
M-3033247	1	Oil Pump O-ring	
M-3033248	1	Oil Pump O-ring	
M-3161781	1	Oil Cooler Assembly	
M-109080	2	Cooler Mounting O-ring	
M-3080769	2	Cooler Rectangular Seal	
M-3892625	2	Cooler Mounting Gasket	
M-3803495	6	Piston Cooling Nozzle Kit	

COOLING SYSTEM

PART #	L10G	DESCRIPTION	NOTE
M-3076489	1	Thermostat 180°	
M-186780	1	Thermostat Seal	
M-3080770	1	Housing Rectangular Seal	
M-3803403	1	Water Pump Assembly	
M-4024817	1	Water Pump Repair Kit	
M-3062602	1	Idler Pulley Assembly	

GASKETS

PART #	L10G	DESCRIPTION	NOTE
M-3883472	3	Block Hand Hole Gasket	
M-3025296	1	Cam Cover Gasket	Rear
M-3328948	6	Exhaust Manifold Gasket	
M-4920751	1	Gear Cover Gasket	
M-3401290	1	Oil Pan Gasket	
M-3032787	2	Oil PickupnTube O-ring Seal	
M-4070529	1	Rocker Box Gasket	
M-3034855	1	Rocker Cover Gasket	
M-3072919	1	Turbo Mounting Gasket	
M-3882774	1	Water Pump Mounting Seal	
M-3892095	1	Water Pump Connection Seal	

GTA8.3/C8.3G

ENGINE KITS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
IF3919937G	•	•	Inframe Kit	With M-3919937 liner
IF3948095G	•	•	Inframe Kit	With M-3948095 liner
OH3919937G	•	•	Overhaul Kit	With M-3919937 liner
OH3948095G	•	•	Overhaul Kit	With M-3948095 liner

•NOTE:Specify piston required when ordering these kits.

CYLINDER COMPONENTS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-4089433	6		Piston Kit - STD 8.5:1	
--M-3394459	1		--Piston	
--M-4025290	1		--Ring Set	
--M-3920692	2		--Pin Retainer	
--M-3934046	6		--Piston Pin	
M-4089348	6	6	Piston Kit - STD 10.5:1	
--M-3992117	1	1	--Piston	
--M-4025290	1	1	--Ring Set	
--M-3920692	2	2	--Pin Retainer	
--M-3934046	6	6	--Piston Pin	
M-4089346		6	Piston Kit - STD 10:1	
--M-3992118		1	--Piston	
--M-4025290		1	--Ring Set	
--M-3920692		2	--Pin Retainer	
--M-3934046		6	--Piston Pin	
M-3802407	6	6	Liner Kit (M-3919937)	
--M-3907177	6	6	--Seal Ring	
M-3800328	6	6	Liner Kit (M-3948095)	≥ ESN 45636466
--M-3907177	6	6	--Seal Ring	
M-3901383		6	Connecting Rod	With 3917320 crankshaft only.

GASKET SETS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-4025274	1	1	Upper Gasket Set	
M-3800747	AR	AR	Upper Gasket Set	.25mm head gasket
M-3800558	1	1	Lower Gasket Set	

GTA8.3/C8.3G

ENGINE BEARINGS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3950661	12	12	Connecting Rod Bearing - STD	
M-3901431	12	12	Connecting Rod Bearing -.25mm	
M-3901432	12	12	Connecting Rod Bearing -.5mm	
M-3901433	12	12	Connecting Rod Bearing -.75mm	
M-3945917	1	1	Main Bearing Set - STD	
M-3945918	1	1	Main Bearing Set -.25mm	
M-3945920	1	1	Main Bearing Set -.5mm	
M-3945921	1	1	Main Bearing Set -.75mm	
M-3945329	7	7	Camshaft Bushing	
M-3913990	6	6	Connecting Rod Bushing	

CRANKSHAFT & SEALS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3918986	1	1	Crankshaft	Minus gear
M-3925568	1		Vibration Damper	No front PTO
M-3353977	1	1	Front Crankshaft Seal	
M-3906080	1	1	Front Repair Sleeve	Speedy type
M-4089342	1	1	Rear Crankshaft seal	Dry housing
M-3906081	1	1	Rear Repair Sleeve	Speedy type
M-3939353	1	1	Rear Cover Gasket	
M-3912473	1	1	Rear Cover Seal Ring	

GEAR HOUSING

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3926518		1	Front Gear Housing	

CAM FOLLOWER & PUSH ROD

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3931623	12	12	Tappet	30mm
M-3945866	12	12	Tappet	38mm
M-3905194	12	12	Push Rod	

GTA8.3/C8.3G

CYLINDER HEAD COMPONENTS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3802812	6	6	Intake Valve Kit	
M-3927256	6	6	Intake Seat	
M-3802813	6	6	Exhaust Valve Kit	
M-3933088	6	6	Exhaust Seat	
M-3901177	24	24	Valve Lock	
M-3991085	12	12	Valve Spring	
M-3912976	12	12	Valve Spring Retainer	
M-3927642		12	Valve Stem Seal	C-Gas
M-3930057	12	12	Valve Stem Seal	C-Gas Plus / GTA8.3
M-3923564	12	12	Valve Guide	
M-3917729	12	12	Head Bolt	M14-2.00x80
M-3917728	14	14	Head Bolt	M14-2.00x160

LUBRICATION SYSTEM

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3800828		1	Oil Pump	
M-3918175	1	1	Oil Cooler Core	

COOLING SYSTEM

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3928639	2	2	Thermostat 180°	Vented
M-3800974	1	1	Water Pump Kit	
M-3800976		1	Water Pump Kit	Hardened pulley C-GasPlus
M-3937553	1	1	Idler pulley Assembly	Not Plus

GTA8.3/C8.3G

GASKETS

PART #	GTA8.3	C8.3G	DESCRIPTION	NOTE
M-3932063	6	6	Exhaust Manifold Gasket	
M-3938737	1	1	Gear Housing Gasket	Hsg to block
M-3936993	1	1	Intake Manifold Gasket	
M-3918174	1	1	Oil Cooler Core Gasket	
M-3929011	1	1	Oil Cooler Filter Head Gasket	
M-4063496	1		Oil Cooler Filter Head Gasket	(3974324) filter head cover
M-3938160	1	1	Oil Pan Gasket	
M-3973509	1		Oil Pan Gasket	Full perimeter clamping plates
M-3939352	1	1	Oil Pickup Tube Gasket	
M-3939353	1	1	Rear Cover Gasket	
M-3912473	1	1	Rear Cover Seal Ring	
M-3910824	6	6	Rocker Cover Bolt Seal	
M-3905449	1	1	Rocker Cover Gasket	
M-3902466	1	1	Rocker Cover Fill Cap Seal	
M-3911941	1	1	Turbocharger Mounting Gasket	
M-3937706	1	1	Turbocharger Oil Drain Gasket	
M-3902089	1	1	Water Pump Seal Ring	

G/GTA5.9 B5.9G G6BT5.9

ENGINE KITS

PART #	5.9G	DESCRIPTION	NOTE
IF3802630	1	Inframe Kit	Fractured rods
IF3802630M	1	Inframe Kit	Machined rods
OH3802630	1	Overhaul Kit	Fractured rods
OH3802630M	1	Overhaul Kit	Machined rods

CYLINDER COMPONENTS

PART #	5.9G	DESCRIPTION	NOTE
M-3802630	6	Piston Kit - STD 10.5:1 ratio	CNG
--M	1	--Piston	
--M-3802951	1	--Ring Set	
--M-3920691	2	--Pin Retainer	
--M-3934047	6	--Piston Pin	3.255"L
M-3806239	6	Piston Kit - .5mm 10.5:1 ratio	CNG
--M	1	--Piston	
--M-3806241	1	--Ring Set	
--M-3920691	2	--Pin Retainer	
--M-3934047	6	--Piston Pin	3.255"L
M-3806240	6	Piston Kit - 1.0mm 10.5:1 ratio	CNG
--M	1	--Piston	
M-3806242	1	--Ring Set	
M-3920691	2	--Pin Retainer	
--M-3934047	6	--Piston Pin	3.255"L
M-3802952	6	Piston Kit - STD 9.13:1 ratio	LPG
--M	1	--Piston	
--M-3802951	1	--Ring Set	
--M-3920691	2	--Pin Retainer	
--M-3934047	6	--Piston Pin	3.255"L
M-3806249	6	Piston Kit - .5mm 9.13:1 ratio	LPG
--M	1	--Piston	
--M-3806251	1	--Ring Set	
--M-3920691	2	--Pin Retainer	
--M-3934047	6	--Piston Pin	3.255"L
M-3806250	6	Piston Kit - 1.0mm 9.13:1 ratio	LPG
--M	1	--Piston	
--M-3806252	1	--Ring Set	
--M-3920691	2	--Pin Retainer	
--M-3934047	6	--Piston Pin	3.255"L

G/GTA5.9 B5.9G G6BT5.9

CYLINDER COMPONENTS

PART #	5.9G	DESCRIPTION	NOTE
M-30100117	6	Piston - STD 10:1 ratio	Industrial
M-3802421	6	Ring Set	
M-3920691	12	Pin Retainer	
M-3934048	6	Piston Pin	2.975"L
M-3904166	AR	Cylinder Block Salvage Sleeve	
M-3901569	6	Connecting Rod	Early style not ISB rod
M-3900919	12	Connecting Rod Cap Bolt	M11x1.25x59

ENGINE BEARINGS

PART #	5.9G	DESCRIPTION	NOTE
M-3939859	12	Connecting Rod Bearing - STD	
M-3901171	12	Connecting Rod Bearing - .25mm	
M-3901172	12	Connecting Rod Bearing - .5mm	
M-3901173	12	Connecting Rod Bearing - .75mm	
M-3939859	6	Connecting Rod Bearing - STD	Upper - fractured rod
M-4893693	6	Connecting Rod Bearing - STD	Lower - fractured rod
M-3901171	6	Connecting Rod Bearing - .25mm	Upper - fractured rod
M-4892795	6	Connecting Rod Bearing - .25mm	Lower - fractured rod
M-3901172	6	Connecting Rod Bearing - .5mm	Upper - fractured rod
M-4892796	6	Connecting Rod Bearing - .5mm	Lower - fractured rod
M-3901173	6	Connecting Rod Bearing - .75mm	Upper - fractured rod
M-4892797	6	Connecting Rod Bearing - .75mm	Lower - fractured rod
M-3802070	1	Main Bearing Set - STD	
M-3802071	1	Main Bearing Set -.25mm	
M-3802072	1	Main Bearing Set -.5mm	
M-3802073	1	Main Bearing Set -.75mm	
M-3901306	1	Camshaft Bushing	ESN < 45537237
M-3940059	1	Camshaft Bushing	ESN > 45537238
M-3901085	6	Connecting Rod Bushing	
M-4891178	6	Connecting Rod Bushing	ISB rods

G/GTA5.9 B5.9G G6BT5.9

GASKET SETS & KITS

PART #	5.9G	DESCRIPTION	NOTE
M-2881955	1	Upper Gasket Set	
M-3802364	1	Upper Gasket Set	.25mm head gasket
M-3802376	1	Lower Gasket Set	
MCB6B01OH	1	Complete Gasket set	
MCB6BEXPK	1	Expansion Plug Kit	
M-4027309	1	Turbocharger Repair Kit	Industrial WH1C
M-3575169	1	Turbocharger Repair Kit	Auto HX35W

CRANKSHAFT & SEALS

PART #	5.9G	DESCRIPTION	NOTE
M-3907804	1	Cranshaft	Less gear
M-3929027	1	Crankshaft Gear	
M-3914454	1	Damper - Rubber	Industrial
M-3914452	1	Damper - Viscous	B int'l
M-3804353	1	Front Crankshaft Seal	
M-3906080	1	Front Repair Sleeve	Speedy type
M-4089342	1	Rear Crankshaft seal	Dry housing
M-4955372	1	Rear Crankshaft seal	Wet housing
M-3906081	1	Rear Repair Sleeve	Speedy type
M-3938159	1	Rear Cover Gasket	
M-3912473	1	Rear Cover Seal Ring	

CAMSHAFT & TAPPET

PART #	5.9G	DESCRIPTION	NOTE
M-3929042	1	Camshaft	Less gear
M-3902332	1	Key	
M-3931623	12	Tappet	
M-3284377	12	Push Rod	
M-3900687	1	Expansion Plug	Rear of camshaft

GEAR HOUSING

PART #	5.9G	DESCRIPTION	NOTE
M-3917759	1	Gear Housing	Industrial
M-3903794	1	Gear Housing Cover	Industrial
M-3900629	16	Gear Housing Cover Bolt	Industrial
M-3900633	10	Gear Housing Cover Bolt	Industrial
M-3936256	1	Gear Housing	Automotive

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.

G/GTA5.9 B5.9G G6BT5.9

CYLINDER HEAD COMPONENTS

G/GTA5.9 INDUSTRIAL

PART #	QTY	DESCRIPTION	NOTE
M-3802658	6	Intake Valve Kit	30200214
M-3922715	6	Intake Seat	30200211
M-3802659	6	Exhaust Valve Kit	30200215
M-3922716	6	Exhaust Seat	30200210
M-3900250	24	Valve Lock	
M-3925667	12	Valve Spring	
M-3925666	12	Rotator	
M-3921640	6	Valve Stem Seal	
M-4090327	6	Valve Guide - Intake	30200213
M-4090328	6	Valve Guide - Exhaust	30200212
M-3920779	6	Head Bolt	M12-1.75x70
M-3920780	14	Head Bolt	M12-1.75x120
M-3920781	6	Head Bolt	M12-1.75x180
M-3931623	12	Tappet	
M-3284377	12	Push Rod	
M-3812092	5	Expansion Plug	
M-3906619	2	Pipe Plug	
M-3008468	5	Pipe Plug	½ NPT
M-3008469	1	Pipe Plug	¾ NPT

CYLINDER HEAD COMPONENTS

B5.9G AUTOMOTIVE

PART #	QTY	DESCRIPTION	NOTE
M-3802658	6	Intake Valve Kit	
M-3922715	6	Intake Seat	
M-3802659	6	Exhaust Valve Kit	
M-3922716	6	Exhaust Seat	
M-3900250	24	Valve Lock	
M-3900276	12	Valve Spring	
M-3900299	12	Spring Retainer	
M-3921640	12	Valve Stem Seal	
M-3920779	6	Head Bolt	M12-1.75x70
M-3920780	14	Head Bolt	M12-1.75x120
M-3920781	6	Head Bolt	M12-1.75x180
M-3931623	12	Tappet	
M-3284377	12	Push Rod	
M-3812092	5	Expansion Plug	
M-3906619	2	Pipe Plug	
M-3008468	5	Pipe Plug	½ NPT
M-3008469	1	Pipe Plug	¾ NPT

G/GTA5.9 B5.9G G6BT5.9

CYLINDER HEAD COMPONENTS

G6BT5.9 PLUS / INT'L

PART #	QTY	DESCRIPTION	NOTE
M-3802658	6	Intake Valve Kit	
M-3922715	6	Intake Seat	
M-3802659	6	Exhaust Valve Kit	
M-3922716	6	Exhaust Seat	
M-3900250	24	Valve Lock	
M-3900276	12	Valve Spring	
M-3957913	12	Spring Retainer	
M-3957912	6	Valve Stem Seal	
M-3920779	6	Head Bolt	M12-1.75x70
M-3920780	14	Head Bolt	M12-1.75x120
M-3920781	6	Head Bolt	M12-1.75x180
M-3931623	12	Tappet	
M-3284377	12	Push Rod	
M-3812092	5	Expansion Plug	
M-3906619	2	Pipe Plug	
M-3008468	5	Pipe Plug	½ NPT
M-3008469	1	Pipe Plug	¾ NPT

LUBRICATION SYSTEM

PART #	5.9G	DESCRIPTION	NOTE
M-3937404	1	Oil Pump	
M-3921558	1	Oil Cooler Core	
M-3918428	1	Pressure Regulator Plunger	
M-3915703	1	Oil Pan	

COOLING SYSTEM

PART #	5.9G	DESCRIPTION	NOTE
M-3802968	1	Thermostat	180°F
M-3802358	1	Water Pump Kit	
M-3286278	1	Water Pump Kit	Hard pulley
M-3937553	1	Belt Tensioner	
M-3911560	1	Polygroove Belt	Industrial
M-3911558	1	Polygroove Belt	Automotive

G/GTA5.9 B5.9G G6BT5.9

GASKETS

PART #	5.9G	DESCRIPTION	NOTE
M-3927154	6	Exhaust Manifold Gasket	
M-3914385	1	Gear Cover Gasket	Industrial
M-3918673	1	Gear Cover Gasket	Automotive
M-3938156	1	Gear Housing Gasket	
M-3938152	1	Intake Manifold Gasket	
M-3942915	1	Oil Cooler Core Gasket	
M-3929792	1	Oil Cooler Filter Head Gasket	Industrial
M-3942914	1	Oil Cooler Filter Head Gasket	Automotive
M-3959052	1	Oil Pan Gasket	
M-3938157	1	Oil Pickup Tube Gasket	
M-3938159	1	Rear Cover Gasket	
M-3912473	1	Rear Cover Seal Ring	
M-3935449	6	Rocker Cover Bolt Isolator	
M-3910824	6	Rocker Cover Bolt Seal	
M-3930906	6	Rocker Cover Gasket	
M-3284623	1	Tappet Cover Gasket	
M-3928759	6	Tappet Cover Grommet Seal	
M-3906697	1	Thermostat Seal Ring	
M-3709861	1	Turbocharger Mounting Gasket	Automotive
M-3519807	1	Turbocharger Oil Drain Gasket	
M-3906698	1	Water Pump Seal Ring	



INTERSTATE-McBEE



REPLACEMENT PARTS FOR **CATERPILLAR ENGINES**

**Fuel
Injection
Parts**



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3400**

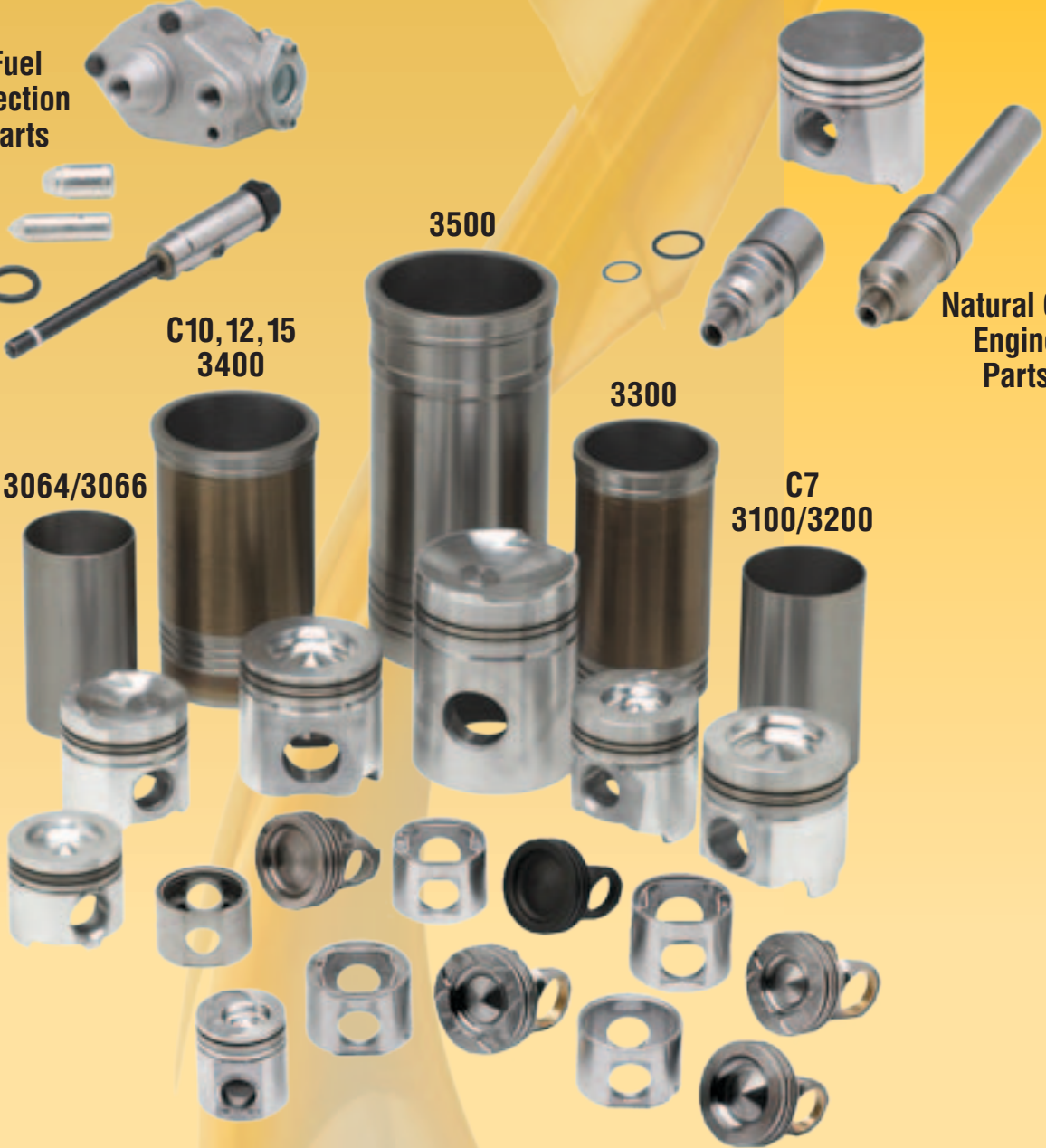
3500

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3064/3066

**C7
3100/3200**

**Natural Gas
Engine
Parts**



CYLINDER COMPONENTS

PART #	G3520	DESCRIPTION	NOTE
<i>Development</i>	20	Cylinder Kit	
<i>Development</i>	20	Piston Body	
M-2117826	20	Cylinder Liner	
M-6V3774	20	Cylinder Liner Seal Kit	
--M-8N4707	20	--Filler Band	
--M-7N2046	60	--O-ring Seal	
M-7E2899	20	Ring Set	G3520B Serial # GET, GLF, BGW, CWD, GZP
--M-7E7581	20	--Piston Ring - Top	
--M-8N1234	20	--Piston Ring - Intermediate	
--M-7W2221	20	--Piston Ring - Oil	
M-1388506	20	Piston, Pin	
M-8N7296	40	Piston Pin Retainers	

GASKET SETS

PART #	G3520	DESCRIPTION	NOTE
<i>Development</i>	1	Overhaul Gasket Set	
M-3550765	20	Single Head Gasket Set	G3520B
M-2997609	20	Single Head Gasket Set	G3520C

ENGINE BEARINGS

PART #	G3520	DESCRIPTION	NOTE
M-1077330	20	Connecting Rod Bearing	STD
M-1077331	20	Connecting Rod Bearing	.025"
M-1077332	20	Connecting Rod Bearing	.050"
M-1496031	11	Main Bearing	STD
M-1496032	11	Main Bearing	.025"
M-1496033	11	Main Bearing	.050"
M-7C6209	2	Thrust Bearing	
M-1181655	40	Piston Pin Bushing	
M-1011198	22	Cam Bushing	"B" series

CYLINDER HEAD COMPONENTS

Serial #GET, BGW

PART #	G3520	DESCRIPTION	NOTE
M-1916766	40	Valve Guide - Intake	
M-2061541	40	Valve Guide - Exhaust	
M-1047184	80	Intake & Exhaust Valve	
M-7N1903	80	Valve Spring Inner	2.03" approx. free length
M-7N1904	80	Valve Spring Outer	2.46" approx. free length
M-1976999	80	Rotocoil	
M-2A4429	160	Valve Lock	
<i>Development</i>	40	Valve Seat - Intake	
<i>Development</i>	40	Valve Seat - Exhaust	
M-2090962	80	Washer - Spring Seat	
M-3467515	40	Lifter Assembly	
M-1329439RK	40	Lifter Repair Kit	Pin & roller
M-2603904	20	Spacer Plate	Steel

CYLINDER HEAD COMPONENTS

Serial #GLF, CWD, GZP

PART #	G3520	DESCRIPTION	NOTE
M-1916766	40	Valve Guide - Intake	
<i>Development</i>	40	Valve Guide - Exhaust	
M-1047184	40	Intake Valve	
M-2102542	40	Exhaust Valve	
M-7N1903	80	Valve Spring Inner	2.03" approx. free length
M-7N1904	80	Valve Spring Outer	2.46" approx. free length
M-1976999	80	Rotocoil	
M-2A4429	160	Valve Lock	
<i>Development</i>	40	Valve Seat - Intake	
<i>Development</i>	40	Valve Seat - Exhaust	
M-2090962	80	Washer - Spring Seat	
M-3467515	40	Lifter Assembly	
M-1329439RK	40	Lifter Repair Kit	Pin & roller
M-2603904	20	Spacer Plate	Steel

COOLING SYSTEM

PART #	G3520	DESCRIPTION	NOTE
M-6I4950	8	Regulator, Water Temperature	180°
M-7C3095	8	Regulator, Water Temperature	190°
M-3S9643	8	Seal Thermostat	
M-7E6016	1	Gasket, Regulator Housing	
M-1792960	20	Gasket, Head to Water Manifold	
M-5P7204	40	Seal-O-Ring	Tube, Head to Water Manifold

GASKETS

PART #	G3520	DESCRIPTION	NOTE
M-2067030	20	Rocker Cover Gasket	PIP G3520B
M-2965820	20	Rocker Cover Gasket	PIP G3520C
M-2082362	8	Cam Cover Seal	PIP
M-2207191	18	Cam Cover Seal	PIP
M-2082363	18	Side Cover Seal	PIP

CYLINDER COMPONENTS

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-CK1014140P	8	12	16	Cylinder Kit	8:1 ratio
M-CK1973765P	8	12	16	Cylinder Kit	11:1 ratio
M-1014140	8	12	16	Piston Body	8:1 ratio
M-1973765	8	12	16	Piston Body	11:1 ratio
M-1238206	8	12	16	Cylinder Liner	8.150" flange OD early style
M-2117826	8	12	16	Cylinder Liner	8.3317" flange OD
M-6V3774	8	12	16	Cylinder Liner Seal Kit	
--M-8N4707	8	12	16	--Filler Band	
--M-7N2046	24	36	48	--O-ring Seal	
M-7E2899	8	12	16	Ring Set	
--M-7E7581	8	12	16	--Piston Ring - Top	
--M-8N1234	8	12	16	--Piston Ring - Intermediate	
--M-7W2221	8	12	16	--Piston Ring - Oil	
M-1388506	8	12	16	Piston, Pin	
M-8N7296	16	24	32	Piston Pin Retainers	

GASKET SETS

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
MCB3508031	1			Overhaul Gasket Set	2JF1 & up magneto & wet manifolds
MCB3508033	1			Cylinder Head Gasket Set	
MCB3508041	1			Overhaul Gasket set	9TG1,4WD1 & up EIS & wet manifolds
MCB3508043	1			Cylinder Head Gasket Set	
MCB3512011		1		Overhaul Gasket Set	4KC1 & up magneto & wet manifolds
MCB3512013		1		Cylinder Head Gasket Set	
MCB3512021		1		Overhaul Gasket set	5JD1,7NJ1 & up EIS & wet manifolds
MCB3512023		1		Cylinder Head Gasket Set	
MCB3512111		1		Overhaul Gasket set	5JD1,7NJ1 & up EIS & dry manifolds
MCB3512113		1		Cylinder Head Gasket Set	
MCB3516011			1	Overhaul Gasket Set	3RC1 & up magneto & wet manifolds
MCB3516013			1	Cylinder Head Gasket Set	
MCB3516021			1	Overhaul Gasket set	8LD1,4EK1 & up EIS & wet manifolds
MCB3516023			1	Cylinder Head Gasket Set	
MCB3516111			1	Overhaul Gasket set	8LD1,4EK1 & up EIS & dry manifolds
MCB3516113			1	Cylinder Head Gasket Set	
MCB3500NG	AR	AR	AR	Single Head Gasket Set	Magneto & EIS - Ceramic manifolds
MCB3516114		AR	AR	Single Head Gasket Set	Dry manifolds

ENGINE BEARINGS

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-1077330	8	12	16	Connecting Rod Bearing	STD
M-1077331	8	12	16	Connecting Rod Bearing	.025"
M-1077332	8	12	16	Connecting Rod Bearing	.050"
M-1496031	5	7	9	Main Bearing	STD
M-1496032	5	7	9	Main Bearing	.025"
M-1496033	5	7	9	Main Bearing	.050"
M-7C6209	2	2	2	Thrust Bearing	
M-1181655	8	12	16	Piston Pin Bushing	
M-7N2048	10	14	18	Cam Bushing	
M-1161359	10	14	18	Cam Bushing	Thick wall- Bronze
M-1011198	10	14	18	Cam Bushing	"B" series

CYLINDER HEAD COMPONENTS

Standard (Quiescent) Heads - Wet Manifold

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-9Y1847	16	24	32	Valve Guide - Intake	
M-9Y1846	16	24	32	Valve Guide - Exhaust	
M-1047184	32	48	64	Intake & Exhaust Valve	
M-7N1903	32	48	64	Valve Spring Inner	2.03" approx. free length
M-7N1904	32	48	64	Valve Spring Outer	2.46" approx. free length
M-1976999	32	48	64	Rotocoil	
M-2A4429	64	96	128	Valve Lock	
M-6I1713	32	48	64	Valve Seat - Intake & Exhaust	
M-2090962	32	48	64	Washer - Spring Seat	
M-3467515	16	24	32	Lifter Assembly	
M-1329439RK	16	24	32	Lifter Repair Kit	Pin & roller
M-2603904	8	12	16	Spacer Plate	Steel
M-2061556	8	12	16	Cylinder Head	

CYLINDER HEAD COMPONENTS

Standard (Swirl) Heads - Dry Manifold

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-1845495	16	24	32	Valve Guide - Intake	
M-1845494	16	24	32	Valve Guide - Exhaust	
M-1047184	32	48	64	Intake & Exhaust Valve	
M-7N1903	32	48	64	Valve Spring Inner	2.03" approx. free length
M-7N1904	32	48	64	Valve Spring Outer	2.46" approx. free length
M-1976999	32	48	64	Rotocoil	
M-2A4429	64	96	128	Valve Lock	
M-1225963	16	24	32	Valve Seat - Intake	Standard swirl plate
M-6I1713	16	24	32	Valve Seat - Exhaust	
M-2090962	32	48	64	Washer - Spring Seat	
M-3467515	16	24	32	Lifter Assembly	
M-1329439RK	16	24	32	Lifter Repair Kit	Pin & roller
M-2603904	8	12	16	Spacer Plate	Steel

CYLINDER HEAD COMPONENTS

Landfill (Quiescent) Heads

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-1845495	16	24	32	Valve Guide - Intake	Two grooves
M-1845494	16	24	32	Valve Guide - Exhaust	Single groove
M-1047184	32	48	64	Intake & Exhaust Valve	
M-7N1903	32	48	64	Valve Spring Inner	2.03" approx. free length
M-7N1904	32	48	64	Valve Spring Outer	2.46" approx. free length
M-1976999	32	48	64	Rotocoil	
M-2A4429	64	96	128	Valve Lock	
M-6I1713	32	48	64	Valve Seat - Intake & Exhaust	
M-2090962	32	48	64	Washer - Spring Seat	
M-1977006	32	48	64	Valve Stem Seal - Intake	
M-3467515	16	24	32	Lifter Assembly	
M-1329439RK	16	24	32	Lifter Repair Kit	Pin & roller
M-2603904	8	12	16	Spacer Plate	Steel

CYLINDER HEAD COMPONENTS

Landfill (Swirl) Heads

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-1845495	16	24	32	Valve Guide - Intake	Two grooves
M-1845494	16	24	32	Valve Guide - Exhaust	Single groove
M-1047184	32	48	64	Intake & Exhaust Valve	
M-7N1903	32	48	64	Valve Spring Inner	2.03" approx. free length
M-7N1904	32	48	64	Valve Spring Outer	2.46" approx. free length
M-1976999	32	48	64	Rotocoil	
M-2A4429	64	96	128	Valve Lock	
M-1225963	16	24	32	Valve Seat - Intake	Standard swirl plate
M-6I1713	16	24	32	Valve Seat - Exhaust	
M-2090962	32	48	64	Washer - Spring Seat	
M-1977006	32	48	64	Valve Stem Seal - Intake	
M-3467515	16	24	32	Lifter Assembly	
M-1329439RK	16	24	32	Lifter Repair Kit	Pin & roller
M-2603904	8	12	16	Spacer Plate	Steel

COOLING SYSTEM

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-6I4950	4	4	4	Regulator, Water Temperature	180°F Non Landfill
M-7C3095	4	4	4	Regulator, Water Temperature	190°F Non Landfill
M-3S9643	4	4	4	Seal Thermostat	
M-7N4927	1	1	1	Gasket, Regulator Housing	
M-1792960	8	12	16	Gasket, Head to Water Manifold	
M-5P7204	16	24	32	Seal-O-Ring	Tube, Head to Water Manifold

GASKETS

PART #	G3508	G3512	G3516	DESCRIPTION	NOTE
M-2067030	8	12	16	Rocker Cover Gasket	Press in place type
M-2082362	6	10	14	Cam Cover Seal	Press in place type
M-2082363	8	12	16	Side Cover Seal	Press in place type

6.25" BORE

CYLINDER COMPONENTS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-CK3S1824P	6	8	12	16	Cylinder Kit	7.0:1 Compression Ratio
M-CK3S1826P	6	8	12	16	Cylinder Kit	10.0:1 Compression Ratio
M-3S1824	6	8	12	16	Piston Body	7.0:1 Compression Ratio
M-3S1826	6	8	12	16	Piston Body	10.0:1 Compression Ratio
M-8N9174	6	8	12	16	Cylinder Liner	
M-5P8970	6	8	12	16	Cylinder Liner Seal Kit	
--M-8N4708	6	8	12	16	--Filler Band	
--M-6L7815	18	24	36	48	--O-ring Seal	
M-1W6055	6	8	12	16	Ring Set	
M-7N9810	6	8	12	16	Piston, Pin	
M-7M4926	12	16	24	32	Piston Pin Retainers	

GASKET SETS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-2P7630	1				Overhaul Gasket Set	
M-2P7629	1				Valve Grind Gasket Set	
M-2S7521		1			Overhaul Gasket set	72B1-467
M-1P9754		1			Valve Grind Gasket Set	
MCB379021		1			Overhaul Gasket Set	72B468 -up Non-turbocharged
MCB379022		1			Inframe Gasket Set	
MCB379023		1			Cylinder Head Gasket Set	
MCB379021GC		1			Overhaul Gasket Set	72B468 -up Non-turbocharged with graphite composite head gasket
MCB379022GC		1			Inframe Gasket Set	
MCB379023GC		1			Cylinder Head Gasket Set	
MCB379031		1			Overhaul Gasket Set	72B468 -up Turbo/Aftercooled
MCB379032		1			Inframe Gasket Set	
MCB379033		1			Cylinder Head Gasket Set	
MCB379031GC		1			Overhaul Gasket Set	72B468 -up Turbo/Aftercooled with graphite composite head gasket
MCB379032GC		1			Inframe Gasket Set	
MCB379033GC		1			Cylinder Head Gasket Set	
M-6V5421		1			Central & Lower Set	72B468 & up
M-6V5424		1			Front Structure Set	
M-6V3741		1			Rear Structure Set	
M-6V5418		1			Manifold Set	
M-6V5426		1			Water Pump Set	72B468 - 685
M-6V3743		1			Water Pump Set	72B686 & up
M-6V5429		1			Water Lines Set	72B468 - 622
M-6V3745		1			Water Lines Set	72B623 & up

6.25" BORE

GASKET SETS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-6V5420		1			Aftercooler & Lines Set	72B468 & up
M-6V5419		1			Turbocharger Set	
M-6V5425		1			Fuel System Set	
M-6V5428		1			Oil Cooler & Lines Set	
M-6V5422		1			Oil Pump Set	72B468 - 538
M-6V6423		1			Oil Pump Set	72B539 & up

GASKET SETS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
MCB398081			1		Overhaul Gasket Set	73B1 - 905
MCB398083			1		Valve Grind Gasket Set	
MCB398081GC			1		Overhaul Gasket Set	73B1 - 905 with graphite composite head gasket
MCB398083GC			1		Valve Grind Gasket Set	
MCB398161			1		Overhaul Gasket Set	73B906 -up Non-turbocharged
MCB398162			1		Inframe Gasket Set	
MCB398163			1		Cylinder Head Gasket Set	
MCB398161GC			1		Overhaul Gasket Set	73B906 -up Non-turbocharged with graphite composite head gasket
MCB398162GC			1		Inframe Gasket Set	
MCB398163GC			1		Cylinder Head Gasket Set	
MCB398091			1		Overhaul Gasket Set	73B906 & up Turbo/Aftercooled
MCB398092			1		Inframe Gasket Set	
MCB398093			1		Cylinder Head Gasket Set	
MCB398091GC			1		Overhaul Gasket Set	73B906 & up Turbo/Aftercooled with graphite composite head gasket
MCB398092GC			1		Inframe Gasket Set	
MCB398093GC			1		Cylinder Head Gasket Set	
M-6V6378			1		Central & Lower Set	73B906 & up
M-6V5465			1		Front Structure Set	73B906 & up
M-8T2490			1		Front Structure Set	73B1755 & up lean burn
M-6V3741			1		Rear Structure Set	73B906 & up
M-8T2491			1		Rear Structure Set	73B1755 & up lean burn
M-6V6374			1		Manifold Set	73B906 & up
M-6V9252			1		Manifold Set	73B1755 & up lean burn
M-6V6384			1		Water Pump Set	73B906 - 1310
M-6V6385			1		Water Pump Set	73B1311 & up
M-6V6387			1		Water Lines Set	73B906 & up
M-6V6375			1		Aftercooler & Lines Set	73B906 & up
M-6V5419			1		Turbocharger Set	73B906 & up
M-6V6383			1		Fuel System Set	73B906 & up exc/ AR# 3N1162
M-6V6382			1		Fuel System Set	73B906 & up AR# 3N1162
M-8T2493			1		Fuel System Set	73B1755 & up lean burn
M-6V5428			1		Oil Cooler & Lines Set	73B906 & up
M-8T2495			1		Oil Cooler & Lines Set	73B1755 & up lean burn
M-6V5422			1		Oil Pump Set	73B906 - 1054
M-6V5423			1		Oil Pump Set	73B1055 & up
M-8T2494			1		Oil Pump Set	73B1755 & up lean burn

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6.25" BORE

GASKET SETS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-9S4317				1	Overhaul Gasket Set	49C1 - 260
M-9S4316				1	Valve Grind Gasket Set	
MCB399121				1	Overhaul Gasket Set	49C261 -up Non-turbocharged
MCB399122				1	Inframe Gasket Set	
MCB399123				1	Cylinder Head Gasket Set	
MCB399121GC				1	Overhaul Gasket Set	49C261 -up Non-turbocharged with graphite composite head gasket
MCB399122GC				1	Inframe Gasket Set	
MCB399123GC				1	Cylinder Head Gasket Set	
MCB399131				1	Overhaul Gasket Set	49C261 -up Turbo/Aftercooled
MCB399132				1	Inframe Gasket Set	
MCB399133				1	Cylinder Head Gasket Set	
MCB399131GC				1	Overhaul Gasket Set	49C261 -up Turbo/Aftercooled with graphite composite head gasket
MCB399132GC				1	Inframe Gasket Set	
MCB399133GC				1	Cylinder Head Gasket Set	
M-6V9255				1	Central & Lower Set	49C261 & up
M-6V9258				1	Front Structure Set	49C261 & up NA engines
M-6V9259				1	Front Structure Set	49C261 & up T/A engines
M-8T2490				1	Front Structure Set	49C1165 & up lean burn
M-6V3741				1	Rear Structure Set	49C261 & up
M-8T2491				1	Rear Structure Set	49C1165 & up lean burn
M-6V9252				1	Manifold Set	49C261 & up
M-6V6384				1	Water Pump Set	49C261 - 567
M-6V6385				1	Water Pump Set	49C568 & up
M-6V6387				1	Water Lines Set	49C261 & up
M-6V3745				1	Water Lines Set	49C1165 & up lean burn
M-6V6375				1	Aftercooler & Lines Set	49C261 & up T/A engines
				1	Turbocharger Set	
M-6V9691				1	Fuel System Set	49C261 & up
M-8T2493				1	Fuel System Set	49C1165 & up lean burn
M-6V5428				1	Oil Cooler & Lines Set	49C261 & up
M-6V3744				1	Oil Cooler & Lines Set	49C1165 & up lean burn
M-6V9257				1	Oil Pump Set	49C261 & up
M-8T2494				1	Oil Pump Set	49C1165 & up lean burn
MCB399054		4	6	8	Single Cylinder Head Gasket Set	
MCB399054GC		4	6	8	Single Cylinder Head Gasket Set	Graphite composite gasket

ENGINE BEARINGS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-1N4336	6				Connecting Rod Bearing	STD
M-1N4337	6				Connecting Rod Bearing	.025"
M-1N4338	6				Connecting Rod Bearing	.050"
M-8N7769		8	12	16	Connecting Rod Bearing	STD
M-8N7770		8	12	16	Connecting Rod Bearing	.025"
M-8N7771		8	12	16	Connecting Rod Bearing	.050"

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6.25" BORE

ENGINE BEARINGS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-1N4316	1				Main Bearing	STD 64B312 & up
M-1N4317	4				Main Bearing	
M-1N4318	1				Main Bearing	
M-1N4331	1				Main Bearing	
M-1N4319	1				Main Bearing	.025" 64B312 & up
M-1N4320	4				Main Bearing	
M-1N4321	1				Main Bearing	
M-1N4332	1				Main Bearing	
M-1N4322	1				Main Bearing	.050" 64B312 & up
M-1N4323	4				Main Bearing	
M-1N4324	1				Main Bearing	
M-1N4333	1				Main Bearing	
M-8N7764		5	7	9	Main Bearing	STD
M-8N7765		5	7	9	Main Bearing	.025"
M-8N7766		5	7	9	Main Bearing	.050"
M-4L4653		2	2	2	Thrust Plate	
M-2H2330	6				Cam Bushing	
M-2H7878	1				Cam Bushing	
M-5L2894		5	7	9	Cam Bushing	
M-8N2275	6	8	12	16	Piston Pin Bushing	
M-3F7445	12	16	24	32	Rocker Arm Bushing	

CRANKSHAFT SEALS & DAMPER

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-2W6769	1				Crankshaft Seal - Front	Piston Ring Style
M-2W2191	1				Crankshaft Seal - Rear	Piston Ring Style
M-3N9160		2	2	2	Crankshaft Seal - Front & Rear	Piston Ring Style
M-4W2606		1	1	1	Front Seal Assembly	Directional type seal
M-4W2566		1	1	1	Front Seal Adaptor	
M-5L2093		1	1	1	Front Seal Adaptor Gasket	
M-4W2568		1	1	1	Front Seal Conversion Kit	Contains seal assy., adaptor & gasket
M-4W2607		1	1	1	Rear Seal Assembly	Directional type seal
M-4W2567		1	1	1	Rear Seal Adaptor	
M-5L2093		1	1	1	Rear Seal Adaptor Gasket	
M-4W2569		1	1	1	Rear Seal Conversion Kit	Contains seal assy., adaptor & gasket
M-1678133		1	1	1	Vibration Damper	

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6.25" BORE

CYLINDER HEAD COMPONENTS

3/8" Valve Stems

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-2N9298	6	8	12	16	Valve Guide - Intake	
M-2N9299	6	8	12	16	Valve Guide - Exhaust	
M-1W8606	6	8	12	16	Intake Valve	
M-2W3211	6	8	12	16	Exhaust Valve	
M-9M5350	12	16	24	32	Valve Spring - Outer	
M-9M5349	12	16	24	32	Valve Spring - Inner	
M-7N7639	12	16	24	32	Rotocoil	
M-2A4429	24	32	48	64	Valve Lock	
M-2N9297	6	8	12	16	Valve Spring Retainer - Exhaust	
M-1W3062	6	8	12	16	Valve Spring Retainer - Intake	Includes M-8N7780 shield
M-8N7780	6	8	12	16	Shield - Intake Valve	
M-3N1414	12	16	24	32	Valve Guide Spacer	
M-5S1757	6	8	12	16	Intake Valve Seat	
M-1S5738	6	8	12	16	Exhaust Valve Seat	
M-7L0918	6	8	12	16	Spark Plug Adapter	
M-6L7816	6	8	12	16	O-Ring Seal	Spark plug adapter
M-6L1576	6	8	12	16	Gasket	Spark plug adapter
MCB6B6224	24	32	48	64	Ferrule Assembly (Large)	Includes M-6B6224 & M-6L7813
MCB7B2420	16	24	36	48	Ferrule Assembly (Small)	Includes M-6B6224 & M-6L7813
M-3N3220		4	6	8	Head Gasket, Steel	Steel clad gasket
MCB3N3220		4	6	8	Head Gasket, Graphite Composite	Graphite composite gasket
M-6L4497		4	6	8	Gasket, Push Tube Oil Return	
M-4H2494		4	6	8	Seal, Sleeve	Oil jumper tube to rocker shaft
M-3P0647		8	12	16	Seal-O-Ring	Oil feed tube
M-9F6656		4	6	8	Ring, Spiral Lock	
M-8F8858	12	16	24	32	Rocker Arm Button	
M-9F7707	12	16	24	32	Rocker Arm Button Retainer	
M-3F7445	12	16	24	32	Rocker Arm Bushing	

LUBRICATION SYSTEM

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-7N125	1				Cooler Core	
M-4W5550		1			Cooler Core	
M-4W5549			1		Cooler Core	
M-4W5551				1	Cooler Core	
M-5L1902	2				Core Gasket	
M-4L8606		2	2	2	Core Gasket	
M-2S2781		1	1	1	Oil Pump Relief Plunger	
M-6N1280		1	1	1	Oil Pump Plunger Spring	

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6.25" BORE

COOLING SYSTEM

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-6N4540	2				Regulator	180°F
M-7C3095		4	4		Regulator	190°F
M-1209453				4	Regulator	170°F
M-2485513				4	Regulator	180°F
M-3S9643		4	4	4	Regulator Seal	
M-5L1690	1				Gasket	
M-5L1691	1				Gasket	

TURBOCHARGER

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-1P6084	1		2		Turbocharger	4MD-455
--1P5466	1		2		--Cartridge	
--7M9917	1		2		--Clamp	
--2S1304	1		2		--Clamp	
M-1P6083		2			Turbocharger	4MD-455
--1P5466		2			--Cartridge	
--7M9917		2			--Clamp	
--2S1304		2			--Clamp	
M-6N8636				2	Turbocharger	4MD-755
--1P6072				2	--Cartridge	
--7M9917				2	--Clamp	
--2S1304				2	--Clamp	
M-2W726	1	2	2	2	Repair Kit	
M-1P5467	1	2	2	2	Bearing Kit	
M-7M7273	1	2	2	2	Mounting Gasket	

GASKETS

PART #	G353	G379	G398	G399	DESCRIPTION	NOTE
M-6L5369	2				Rocker Cover Gasket	
M-2N3597		4	6	8	Rocker Cover Gasket	
M-6L5490	2				Side Cover Gasket	Lower block
M-1F9223		4	6	8	Side Cover Gasket	Lower block
M-2L3451	1				Oil Pan Gasket	Pan to block
M-2L3546	1				Oil Pan Gasket	Front section to rear section
M-6L5038	1				Oil Pan Gasket	Side Cover

CYLINDER COMPONENTS

PART #	G342	DESCRIPTION	NOTE
M-CK7M3681P	6	Cylinder Kit	7.5:1 ratio
M-CK7M3680P	6	Cylinder Kit	10.5:1 ratio
M-7M3681	6	Piston	7.5:1 ratio
M-7M3680	6	Piston	10.5:1 ratio
M-8N5676	6	Cylinder Liner	
M-5P9221	6	Liner Seal Kit	
-- M-8N4638	6	-- Band Seal	
-- M-6L7812	18	-- Seal Ring	
M-3S4058	6	Ring Set	
M-7N9809	6	Piston Pin	
M-7M4926	12	Piston Pin Retainers	

GASKET SETS

PART #	G342	DESCRIPTION	NOTE
MCB342071	1	Overhaul Gasket Set	Counterbore / non-spacer engines
MCB342072	1	Inframe Gasket Set	Counterbore / non-spacer engines
MCB342073	1	Valve Grind Gasket Set	Counterbore / non-spacer engines
MCB342081	1	Overhaul Gasket Set	Spacer plate engines
MCB342082	1	Inframe Gasket Set	Spacer plate engines
MCB342083	1	Valve Grind Gasket Set	Spacer plate engines

GASKET SETS

PART #	G342	DESCRIPTION	NOTE
M-6V4546	1	Central & Lower Set	71B1-2670
M-5P9238	1	Central & Lower Set	71B2671 & up
M-6V4547	1	Front Structure Set	71B1-749
M-6V4548	1	Front Structure Set	71B750-2670
M-5P9239	1	Front Structure Set	71B2671 & up
M-6V4549	1	Rear Structure Set	71B1-749
M-6V4550	1	Rear Structure Set	71B750-2670
M-5P9240	1	Rear Structure Set	71B2671 & up
M-6V4554	1	Oil Cooler Set	71B1-749
M-6V4555	1	Oil Cooler Set	71B750-2670
M-5P9242	1	Oil Cooler Set	71B2671 & up
M-6V4553	1	Water Pump Set	71B1-2330
M-5P9241	1	Water Pump Set	71B2331 & up

ENGINE BEARINGS

PART #	G342	DESCRIPTION	NOTE
M-8N7933	6	Connecting Rod Bearing	STD 71B750 & up
M-8N7934	6	Connecting Rod Bearing	.025" 71B750 & up
M-8N7935	6	Connecting Rod Bearing	.050" 71B750 & up
M-8N7923	6	Main Bearing	STD 71B750 & up
M-8N7928	1	Main Bearing	STD 71B750 & up
M-8N7924	6	Main Bearing	.025" 71B750 & up
M-8N7929	1	Main Bearing	.025" 71B750 & up
M-8N7925	6	Main Bearing	.050" 71B750 & up
M-8N7930	1	Main Bearing	.050" 71B750 & up
M-4M9183	6	Pin Bushing	
M-4H9640	2	Cam Bushing	
M-8F8523	3	Cam Bushing	
M-4H9640	2	Front Cover Bushing	

CRANKSHAFT SEALS

PART #	G342	DESCRIPTION	NOTE
M-2S1509	1	Front Seal	STD 71B750 & up
M-9N2539	1	Front Seal	OS 71B750 & up / use with wear sleeve
M-9J110	1	Wear Sleeve	
M-1S8607	1	Rear Seal Baffle	71B750 & up
M-2W2191	1	Rear Seal Ring	71B750 & up

CYLINDER HEAD COMPONENTS

3/8" Valve Stems

PART #	G342	DESCRIPTION	NOTE
M-1W1816	12	Valve Guide	Intake and exhaust
M-3N1414	12	Valve Guide Spacer	
M-1W1818	6	Intake Valve	
M-1W1819	6	Exhaust Valve	
M-9M5349	12	Valve Spring - Inner	
M-9M5350	12	Valve Spring - Outer	
M-2N9297	12	Spring Retainer	
M-2A4429	24	Valve Lock	
M-7N7639	12	Rotocoil	
M-8M9810	6	Exhaust Valve Seat	
M-9M8745	6	Intake Valve Seat	
M-7L917	6	Spark Plug Adapter	
M-6L7816	6	Seal-O-Ring	
M-6L1576	6	Gasket	

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CYLINDER HEAD COMPONENTS

Early 1/2" Valve Stems

PART #	G342	DESCRIPTION	NOTE
M-7N2051	12	Valve Guide	Intake and exhaust
M-3N1414	12	Valve Guide Spacer	
M-8H1993	6	Intake Valve	
M-8H1994	6	Exhaust Valve	
M-9M5349	12	Valve Spring - Inner	
M-9M5350	12	Valve Spring - Outer	
M-3B1142	12	Spring Retainer	
M-3B1143	36	Valve Lock	
M-7N7639	12	Rotocoil	
M-8M9810	6	Exhaust Valve Seat	
M-9M8745	6	Intake Valve Seat	
M-7L917	6	Spark Plug Adapter	
M-6L7816	6	Seal-O-Ring	

COOLING SYSTEM

PART #	G342	DESCRIPTION	NOTE
M-9S3808	2	Regulator 170°	71B1-220
M-1209453	2	Regulator 170°	71B221 - 378
M-2485513	2	Regulator 180°	71B379- Up
M-3S9643	2	Seal	Use with M-1209453 & M-2485513

TURBOCHARGER

PART #	G342	DESCRIPTION	NOTE
M-1P6082	1	Turbocharger	4MD-455
--M-1P5466	1	--Cartridge	
--M-2S1304	1	--Clamp	
--M-7M9917	1	--Clamp	
M-2W725	1	Repair Kit	

GASKETS

PART #	G342	DESCRIPTION	NOTE
M-7N9352	2	Rocker Cover Gasket	
M-6L5464	2	Side Cover Gasket	Lower block
M-2P3759	1	Oil Pan Gasket	Pan to block
M-6L5311	1	Oil Pan Gasket	Front section to rear section
M-6L5271	1	Oil Pan Gasket	Side Cover

CYLINDER COMPONENTS

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-CK4P8996P	6			Cylinder Kit	10.3:1 ratio
M-CK4P8996P		8	12	Cylinder Kit	9.7:1 ratio
M-CK1607992P		8	12	Cylinder Kit	11.4:1 ratio
M-CK1607994P		8	12	Cylinder Kit	8.5:1 ratio
M-4P8996	6			Piston Body	10.3:1 ratio
M-4P8996		8	12	Piston Body	9.7:1 ratio
M-1607992		8	12	Piston Body	11.4:1 ratio
M-1607994		8	12	Piston Body	8.5:1 ratio
M-1979322	6	8	12	Cylinder Liner	
M-1609874	6	8	12	Cylinder Liner Seal Kit	
--M-9L5854	6	8	12	--Filler Band	
--M-1427072	6	8	12	--O-ring Seal	
--M-1102220	6	8	12	--O-ring Seal	
--M-1426217	6	8	12	--O-ring Seal	
RS4P8996	6	8	12	Ring Set	
M-8N1608	6	8	12	Piston, Pin	
M-7E5665	12	16	24	Piston Pin Retainers	
M-9Y3368	AR	AR	AR	Liner Insert - Stainless .0324"	To repair block deck
M-2W3815	AR	AR	AR	Liner Insert - Stainless .0625"	To repair block deck
M-5N0093	AR	AR	AR	Liner Insert - Stainless .1067"	To repair block deck

GASKET SETS

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
MCB3406221	1			Overhaul Gasket Set	Non-turbocharged engines
MCB3406222	1			Inframe Gasket Set	Non-turbocharged engines
MCB3406223	1			Cylinder Head Gasket Set	Non-turbocharged engines
MCB3406261	1			Overhaul Gasket set	T & TA engines
MCB3406262	1			Inframe Gasket Set	T & TA engines
MCB3406263	1			Cylinder Head Gasket Set	T & TA engines
MCB3406561	1			Overhaul Gasket Set	T & TA engines with "Long Valves"
MCB3406562	1			Inframe Gasket Set	T & TA engines with "Long Valves"
MCB3406563	1			Cylinder Head Gasket Set	T & TA engines with "Long Valves"

GASKET SETS

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
MCB3408261		1		Overhaul Gasket Set	TA engines
MCB3408262		1		Inframe Gasket Set	TA engines
MCB3408263		1		Cylinder Head Gasket Set	TA engines
MCB3408561		1		Overhaul Gasket Set	TA engines with "Long Valves"
MCB3408562		1		Inframe Gasket Set	TA engines with "Long Valves"
MCB3408563		1		Cylinder Head Gasket Set	TA engines with "Long Valves"
MCB3412091			1	Overhaul Gasket Set	Non-turbocharged engines
MCB3412092			1	Inframe Gasket Set	Non-turbocharged engines
MCB3412093			1	Cylinder Head Gasket Set	Non-turbocharged engines
MCB3412111			1	Overhaul Gasket Set	TA engines
MCB3412112			1	Inframe Gasket Set	TA engines
MCB3412113			1	Cylinder Head Gasket Set	TA engines
MCB3412211			1	Overhaul Gasket Set	TA engines with "Long Valves"
MCB3412212			1	Inframe Gasket Set	TA engines with "Long Valves"
MCB3412213			1	Cylinder Head Gasket Set	TA engines with "Long Valves"

ENGINE BEARINGS

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-9Y9497G	6	8	12	Connecting Rod Brg - Narrow	STD grooved 4FD1-237
M-9Y9497.010	6	8	12	Connecting Rod Brg - Narrow	.010" grooved 4FD1-237
M-4W5702	6	8	12	Connecting Rod Brg - Narrow	.025" grooved 4FD1-237
M-4W5703	6	8	12	Connecting Rod Brg - Narrow	.050" grooved 4FD1-237
M-9Y7735G	6			Connecting Rod Brg - Wide	STD grooved
M-9Y7735.010	6			Connecting Rod Brg - Wide	.010" grooved
M-7E0558	6			Connecting Rod Brg - Wide	.025" grooved
M-7E0559	6			Connecting Rod Brg - Wide	.050" grooved
M-3215746	7	5	7	Main Bearing	STD
M-4W5492.010	7	5	7	Main Bearing	.010"
M-4W5698	7	5	7	Main Bearing	.025"
M-4W5699	7	5	7	Main Bearing	.050"
M-2531752	2	2	2	Thrust Washer	
M-8N2018	6	8	12	Pin Bushing	
M-4P8495	6	8	12	Pin Bushing	With Side Reliefs
M-4N685	6	3	5	Cam Bushing	1" wide
M-4N6658	1	2	2	Cam Bushing	1.3" wide
M-1317123	1	1	1	Idler Gear Bushing	

G3400

CRANKSHAFT & DAMPER

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-7C4859	1			Crankshaft	Minus drive gear 4FD1-237
M-6I1453	1			Crankshaft	Minus drive gear.
M-1W5009		1		Crankshaft	Minus drive gear.
M-1678126	1			Vibration Damper	
M-1678130		1	1	Vibration Damper	

CYLINDER HEAD COMPONENTS

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-1516235	24			Valve Guide - Intake & Exhaust	
M-1511330		32	48	Valve Guide - Intake & Exhaust	
M-2241300	24			Valve Guide - Intake & Exhaust	Use with 2236519/10R1970 "Tall Head"
M-2137536		16	24	Valve Guide - Intake	Use with "Tall head Groups"
M-2317537		16	24	Valve Guide - Exhaust	Use with "Tall head Groups"
MCB1018314	12	16	24	Intake Valve	High Temperature Inconel
MCB1227353	12	16	24	Exhaust Valve	High Temperature Inconel
M-2120932	12	16	24	Intake Valve	Use with "Tall head Groups"
M-2120933	12	16	24	Exhaust Valve	Use with "Tall head Groups"
M-4N5906	24	32	48	Valve Spring	
M-6N7154	24	32	48	Rotocoil	
M-2A4429	48	64	96	Valve Lock	
M-2127519	6	8	12	Adapter	
M-2127518	6	8	12	Adapter	Use with "Tall head Groups"
M-2S2251	6	8	12	Seal-O-Ring	
M-1090073	6	8	12	Seal-O-Ring	Use with "Tall head Groups"
M-2N7174	6	8	12	Gasket	
M-2M6471	1			Core Plug	1.5" Diameter
M-3B0623	10	8	12	Core Plug	1" Diameter
M-3B0645	12	6	10	Core Plug	1.25" Diameter
M-2N5775	12	16	24	Dowel - Valve Bridge	
M-3E6772	24	32	48	Water Seal	
M-6I2981	1			Spacer Plate	
M-6I4613		2		Spacer Plate	
M-6I4611			2	Spacer Plate	

LUBRICATION SYSTEM

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-7C3039	1	1		Cooler Core	
M-7C145			1	Cooler Core	
M-1090077	2	2	2	Seal O-ring	
M-4N733	1			Oil Pump	
M-1614113		1		Oil Pump	
M-6N1030			1	Oil Pump	
M-6N1931	1	1	1	Relief Plunger	
M-2S2760	1	1	1	Plunger Spring	

COOLING SYSTEM

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-1209453	1	2	2	Regulator	170°
M-2485513	1	2	2	Regulator	180°
M-7C3095	1	2	2	Regulator	190°
M-3S9643	1	2	2	Regulator Seal	
M-4N1156	2	4	4	Gasket	
M-7C307	1	3	3	Gasket	
M-1279885	1**	1**	1**	Water Pump Rebuild Kit	
M-1293068	1**	1**	1**	Water Pump Rebuild Kit	Ball bearing
M-1293069	1**	1**	1**	Water Pump Rebuild Kit	Roller bearing
M-1386744	1**	1**	1**	Water Pump Rebuild Kit	Roller bearing & unitized seal

**NOTE: Match to pump via serial # & arrangement

TURBOCHARGER

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-8N5501	1			Turbocharger	TW4B91 Serial # 4FD
--M-4N6860	1			--Cartridge	
--M-4N6865	3			--Lock Plate	
--M-1P1113	3			--Lock Plate	
M-9Y9810	1			Turbocharger	TW6156 Serial # 4FD, 1RK, 5NW
--M-7C2286	1			--Cartridge	
--M-3S5129	1			--Clamp	
--M-9N2038	1			--Clamp	
M-2W715	1			Repair Kit	
M-7C9038	1			Turbocharger	TW4C02 Serial # 4FD
--M-7C9039	1			--Cartridge	
--M-4N6865	3			--Lock Plate	
--M-1P1113	3			--Lock Plate	
M-1412509	1			Turbocharger	GT4294W Serial # 4FD, 5NW
--M-1506304	1			--Cartridge	
--M-1238253	1			--Clamp	
--M-1357875	1			--Clamp	
M-4W6167		1		Turbocharger	TW6147 Serial # 6NB
--M-4W6168		1		--Cartridge	
--M-3S5129		1		--Clamp	
--M-9N2038		1		--Clamp	
M-2W715		1		Repair Kit	
M-4W7637		1		Turbocharger	TW7202 Serial # 6NB, 8YR
--M-7W489		1		--Cartridge	
--M-9N2039		1		--Clamp	
--M-9N2038		1		--Clamp	

TURBOCHARGER

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-4W6166		1	1	Turbocharger	TW8108 Serial # 6NB, 6FW, 7DB
--M-7W3291		1	1	--Cartridge	
--M-9N2039		1	1	--Clamp	
--M-9N2038		1	1	--Clamp	
M-7W4866			1	Turbocharger	TW8107 Serial # 7DB
--M-6N7966			1	--Cartridge	
--M-9N2039			1	--Clamp	
--M-9N2038			1	--Clamp	
M-4W9061			1	Turbocharger	TW8107 Serial # 7DB, 3NK
--M-6N7966			1	--Cartridge	
--M-9N2039			1	--Clamp	
--M-9N2038			1	--Clamp	
M-1146360			1	Turbocharger	TW8117 Serial # 7DB
--M-7C5052			1	--Cartridge	
--M-9N2039			1	--Clamp	
--M-9N2038			1	--Clamp	
M-9Y1037			1	Turbocharger	TW8129 Serial # 3NK
--M-9Y7014			1	--Cartridge	
--M-9N2039			1	--Clamp	
--M-9N2038			1	--Clamp	
M-1063561			1	Turbocharger	TW8303 Serial # 6ZM
--M-1136053			1	--Cartridge	
--M-7W2297			1	--Clamp	
--M-9N2038			1	--Clamp	
M-1228043			1	Turbocharger	TW9211 Serial # 6ZM
--M-1004095			1	--Cartridge	
--M-7W2297			1	--Clamp	
M-1020294			1	Turbocharger	TW9211 Serial # 6ZM
--M-1004095			1	--Cartridge	
--M-7W2297			1	--Clamp	

GASKETS

PART #	G3406	G3408	G3412	DESCRIPTION	NOTE
M-5P5678-3	2		4	Rocker Cover Gasket	
M-5P5678-4		2		Rocker Cover Gasket	
M-4N1151	1	1	1	Oil Pan Gasket	Segmented puzzle type
M-4N1151-6	1			Oil Pan Gasket	1 piece
M-7M7273	1	1	1	Turbo Mounting Gasket	

ENGINE KITS

PART #	G3304	G3306	DESCRIPTION	NOTE
MCIF3304	1		Inframe Kit	Cylinder kits, rod & main bearings and inframe gasket set
MCIF3306		1	Inframe Kit	
MCOH3304	1		Overhaul Kit	Cylinder kits, rod & main bearings and overhaul gasket set
MCOH3306		1	Overhaul Kit	
MCOH3304T	1		Overhaul Kit Plus	Cylinder kits, rod & main bearings, overhaul gasket set, cam kit & bushings
MCOH3306T		1	Overhaul Kit Plus	

Note: Specify compression ratio & bearing size when ordering the above engine kits.

CYLINDER COMPONENTS

PART #	G3304	G3306	DESCRIPTION	NOTE
M-CK4P2655P	4	6	Cylinder Kit	8:1
M-CK4P2654P	4	6	Cylinder Kit	10.5:1
M-4P2655	4	6	Piston	8:1 Dished crown
M-4P2654	4	6	Piston	10.5:1 Flat top crown
M-1105800	4	6	Cylinder Liner	
M-5P8768	4	6	Liner Seal Kit	
-- M-2W6134	4	6	-- Band Seal	
-- M-5S6670	12	18	-- Seal Ring	
M-RS4P2654	4	6	Ring Set	
M-7N9804	4	6	Piston Pin	
M-9H4015	8	12	Piston Pin Retainers	

GASKET SETS

PART #	G3304	G3306	DESCRIPTION	NOTE
MCB3304151	1		Overhaul Gasket Set	Non turbocharged spacer plate engines.
MCB3304152	1		Inframe Gasket Set	
MCB3304153	1		Head Gasket Set	
MCB3306341		1	Overhaul Gasket set	Turbocharged & non turbocharged spacer plate engines.
MCB3306342		1	Inframe Gasket Set	
MCB3306343		1	Head Gasket Set	
M-9S4001		1	Overhaul Gasket set	Serial # 68D non-spacer plate engines
M-9S4000		1	Valve Grind Gasket Set	

GASKET SETS

PART #	G3304	G3306	DESCRIPTION	NOTE
M-1070620	1		Central & Lower Set	Serial # 37Y
M-6V2935	1		Central & Lower Set	Serial # 1RG
M-9X8563	1		Front Structure Set	Serial # 37Y
M-6V4763	1		Front Structure Set	Serial # 1RG
M-1383069	1		Rear Structure Set	Serial # 37Y & 1RG
M-9X8566	1		Oil Cooler Set	Serial # 37Y
M-8T9483	1		Oil Cooler Set	Serial # 1RG
M-2084836	1		Water Pump Set	Serial # 37Y & 1RG
M-6V1277		1	Central & Lower Set	Serial # 7Y
M-5P9099		1	Central & Lower Set	Serial # 3CF
M-5P9568		1	Front Structure Set	Serial # 7Y
M-6V4763		1	Front Structure Set	Serial # 3CF
M-6V2983		1	Rear Structure Set	Serial # 7Y
M-1383069		1	Rear Structure Set	Serial # 3CF
M-5P9116		1	Oil Cooler Set	Serial # 7Y
M-6V5979		1	Oil Cooler Set	Serial # 3CF
M-2084836		1	Water Pump Set	Serial # 7Y & 3CF
M-6V1278		1	Turbocharger Set	Serial # 7Y
M-8C613		1	Turbocharger Set	Serial # 3CF
M-6V1279		1	Aftercooler Set	Serial # 7Y
M-5P8772		1	Aftercooler Set	Serial # 3CF
M-6V621		1	Expansion Tank Set	

ENGINE BEARINGS

PART #	G3304	G3306	DESCRIPTION	NOTE
M-4W5739	4	6	Connecting Rod Bearing	STD
M-8N8221	4	6	Connecting Rod Bearing	.010"
M-8N8222	4	6	Connecting Rod Bearing	.020"
M-8N8223	4	6	Connecting Rod Bearing	.030"
M-4W5739+.040	4	6	Connecting Rod Bearing	.040"
M-4W5739+.050	4	6	Connecting Rod Bearing	.050"
M-4W5738	5	7	Main Bearing	STD
M-8N8225	5	7	Main Bearing	.010"
M-8N8226	5	7	Main Bearing	.020"
M-8N8227	5	7	Main Bearing	.030"
M-4W5738+.040	5	7	Main Bearing	.040"
M-4W5738+.050	5	7	Main Bearing	.050"
M-1003652	2	2	Thrust Washer	
M-8N1985	4	6	Pin Bushing	Tapered

ENGINE BEARINGS

PART #	G3304	G3306	DESCRIPTION	NOTE
M-8N4110	1	1	Cam Bushing	Front
M-7M4046	2	4	Cam Bushing	Intermediate
M-9Y2991	4		Balance Shaft Bushing	Narrow
M-9Y2992	2		Balance Shaft Bushing	Wide
M-2P1168	1	1	Oil Pump Idler Bushing	
M-5S7630	1	1	Gov Drive Idler Bushing	7Y1-647 & 37Y1-647
M-1950302	1	1	Gov Drive Idler Bushing	7Y648- Up & 37Y648- Up

CRANKSHAFT & DAMPER

PART #	G3304	G3306	DESCRIPTION	NOTE
M-4N7692	1		Crankshaft	Minus drive gear.
M-2W7458		1	Crankshaft	Minus drive gear.
M-1678123		1	Vibration Damper	
M-0S1595		6	Bolt	
M-2M849		6	Washer	

CAMSHAFT

PART #	G3304	G3306	DESCRIPTION	NOTE
M-9Y1723	1		Camshaft Kit	Camshaft & lifters
--M-7C3862	1		--Camshaft	Minus drive gear.
--M-7S3161	8		--Lifter	
M-4P2942		1	Camshaft Kit	Camshaft & lifters
--M-7C3863		1	--Camshaft	Minus drive gear.
--M-7S3161		12	--Lifter	

CYLINDER HEAD COMPONENTS

37Y1-1019 & 7Y1-2078

PART #	G3304	G3306	DESCRIPTION	NOTE
M-4W9176	8	12	Valve Guide	Intake and exhaust
M-2W2621	4	6	Intake Valve	
M-2W2877	4	6	Exhaust Valve	
M-7S7144	8	12	Valve Spring	
M-1031800	8	12	Rotocoil	
M-2A4429	16	24	Valve Lock	
M-7N1649	4	6	Exhaust Valve Seat	
M-1070268	4	6	Intake Valve Seat	
M-7N1743	4	6	Spark Plug Adapter	
M-7S3206	4	6	Seal-O-Ring	For M-7N1743 Spark Plug Adapter
M-2N7174	4	6	Gasket	For M-7N1743 Spark Plug Adapter
M-5S5918	8	12	Push Rod	

CYLINDER HEAD COMPONENTS

37Y1020 - up & N4F1 - up & 7Y2079 - 4278

PART #	G3304	G3306	DESCRIPTION	NOTE
M-9Y7895	8	12	Valve Guide	"Long" valve train
M-7W7490	4	6	Intake Valve	"Long" valve train
M-7W7491	4	6	Exhaust Valve	"Long" valve train
M-7S7144	8	12	Valve Spring	
M-7W7488	8	12	Spacer	"Long" valve train
M-1031800	8	12	Rotocoil	
M-2A4429	16	24	Valve Lock	
M-7N1649	4	6	Exhaust Valve Seat	
M-1070268	4	6	Intake Valve Seat	
M-7N1743	4	6	Spark Plug Adapter	
M-7S3206	4	6	Seal-O-Ring	For M-7N1743 Spark Plug Adapter
M-2N7174	4	6	Gasket	For M-7N1743 Spark Plug Adapter

CYLINDER HEAD COMPONENTS

7Y4279 - up & G6X1 - up

PART #	G3304	G3306	DESCRIPTION	NOTE
M-7E1551		12	Valve Guide	Intake and exhaust
M-7W9143		6	Valve Stem Seal	NA engines
M-2W2621		6	Intake Valve	
M-2W2877		6	Exhaust Valve	
M-7S7144		12	Valve Spring	
M-1031800		12	Rotocoil	
M-2A4429		24	Valve Lock	
M-7N1649		6	Exhaust Valve Seat	
M-1070268		6	Intake Valve Seat	
M-7N1743		6	Spark Plug Adapter	
M-7S3206		6	Seal-O-Ring	For M-7N1743 Spark Plug Adapter
M-2N7174		6	Gasket	For M-7N1743 Spark Plug Adapter
M-5S5918		12	Push Rod	

CYLINDER HEAD SPACER PLATES

PART #	G3304	G3306	DESCRIPTION	NOTE
M-7N8021	1		Spacer Plate	
M-7N7998		1	Spacer Plate	

LUBRICATION SYSTEM

PART #	G3304	G3306	DESCRIPTION	NOTE
M-7N0110	1	1	Cooler Core	
M-8S5409	2	2	Core Mounting Gasket	
M-8M4432	2	2	Elbow O-ring Seal	
M-6I1343	1	1	Oil Pump	Single Stage Pump
M-6I1346	1	1	Oil Pump	Double Stage Pump
M-4P3546	1	1	Relief Valve Assembly	

COOLING SYSTEM

PART #	G3304	G3306	DESCRIPTION	NOTE
M-1118010	1	1	Regulator	175°
M-1167577	1	1	Regulator	190°
M-7N944	2	2	Gasket	

TURBOCHARGER

PART #	G3304	G3306	DESCRIPTION	NOTE
M-1P6082		1	Turbocharger	4MD-455
--M-1P5466		1	--Cartridge	
--M-2S1304		1	--Clamp	
--M-7M9917		1	--Clamp	
M-7N6138		1	Turbocharger	EA-283
--M-7N9568		1	--Cartridge	
--M-5S4558		1	--Clamp	
--M-5S4517		1	--Clamp	
M-1W9757		1	Turbocharger	EC-283
--M-1W9759		1	--Cartridge	
--M-5S4558		1	--Clamp	
--M-5S4517		1	--Clamp	
M-2W725		1	Repair Kit	

GASKETS

PART #	G3304	G3306	DESCRIPTION	NOTE
M-8S1606	1		Rocker Cover Gasket	Two required for long valve train engines
M-8S1605		1	Rocker Cover Gasket	Two required for long valve train engines
MCB8S1606	1		Rocker Cover Gasket	Re-usable / use hard washers M-9M1974
M-1331247		1	Rocker Cover Gasket	Re-usable / use hard washers M-9M1974
M-9M1974		15	Hard Washer	
M-5S6045	1		Oil Pan Plate Gasket	
M-1694200		1	Oil Pan Plate Gasket	
M-8S1963	1		Oil Pan Gasket	
M-1694199		1	Oil Pan Gasket	

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.

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts – U.S.A. and Canada

COVERAGE

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Castings

Cylinder head and cylinder block castings are warranted for 12 months from date of installation; part replacement only, no progressive damage, no labor.

Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty." This warranty does not apply to parts provided by Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond thirty (30) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts and labor needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid in accordance with published labor rates, but not to exceed reasonable flat rates times nor Interstate McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (30) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty."

This warranty for the U.S.A. & Canada shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof. This warranty applies to parts sold by Interstate-McBee on or after August 2007.

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

- Export & Remanufactured Engine Parts
- All Fuel Injection, New & Remanufactured

COVERAGE

The parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months, 100,000 miles or 2,000 hours of operation, whichever comes first, from date of first installation in an engine. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

This warranty does not apply to parts provided by Interstate Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond eighteen (18) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

The obligation of Interstate-McBee under this warranty, statutory or otherwise, is limited to the replacement or repair of Interstate-McBee parts, which our inspection discloses to our satisfaction to have been defective. Repair will be performed at our factory in Cleveland, OH or other Interstate-McBee approved facility. Proof of purchase is required.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling*; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond eighteen (18) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy.
*covered on fuel injection products

This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's Extended Warranty). Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof is prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or the enforceability of any other warranty provisions or portions thereof.

This warranty applies to parts sold by Interstate on or after August, 2007.

U.S.A. Presidential Award



For Excellence in Export



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