



INTERSTATE-McBEE



New Replacement Parts for CATERPILLAR® 3114-3116-3126-C7 Engines



INTERSTATE-McBEE, LLC

5300 Lakeside Avenue • Cleveland, Ohio 44114 U.S.A.
216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805
www.interstate-mcbee.com • E-mail: sales@interstate-mcbee.com

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

® Caterpillar and CAT are registered trademarks of Caterpillar, Inc.



INTERSTATE-McBEE



INTERSTATE-McBEE, LLC

5300 Lakeside Avenue • Cleveland, Ohio 44114-3996 U.S.A.
216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805
www.interstate-mcbee.com • E-mail: sales@interstate-mcbee.com



CONTENTS

Serial Number Listing 4-10

Engine Kit Listing 11

3114/3116 Parts Listing

Cooling System 16

Crankshaft Seals 13

Custom McBee Gasket Sets 16

Cylinder Kit Components 12

Cylinder Head Components 14

Engine Bearings 13

Fuel System 15

Gaskets 17

Lubrication System 15

3126/C7 Parts Listing

Cooling System 22

Crankshaft Seals 19

Custom McBee Gasket Sets 23

Cylinder Kit Components 18-19

Cylinder Head Components 20-21

Engine Bearings 19

Fuel System 22

Gaskets 24

Lubrication System 22

SERIAL NUMBER LISTING

3114

ESN	Appl	Piston	Crown	Model/MSN	Line
5JG	GEN	M-9Y7452			100
6AF	GEN	M-9Y7452			100
1ZG	IND	M-9Y7452			100
5EF	IND	M-7E1298			100
	IND	M-9Y7452			100
	IND	M-1154124			18
	IND		M-6I1210		19
	IND		M-1077545		20
4KR	IND	M-1077563			100
2FG	MACH	M-7E1298		446/6XF	100
	MACH	M-7E3428		RT100/1GJ, 918F/2CK-3TJ, IT18F/5EJ-6ZF	21
	MACH	M-9Y7452		205B/5ZF	100
	MACH	M-1077563		924F/4YN-5NN-6MN, IT24F/4NN-6KN	23
	MACH	M-1077563		446B/5BL, 446D/DBL	22
2ZF	MACH	M-7E3428		918F/5DL	21
	MACH	M-7C5668		IT12B/1KF, IT12F/1KF, IT14B/3NJ, IT14F/4EL, 910E-F/1SF	24
	MACH	M-9Y7452		E110B/5GK-8MF, E120B/4XK-6JF	100
	MACH	M-1077563		924F/7PN	23
4RR	MACH	M-1077563		446B/5BL	22
	MACH	M-1077563		924F/4YN-5NN, IT24F/4NN	23
97Z	MACH	M-7E1298		CB434/3TF, 446B/5BL	100
	MACH	M-7E3428		918F/3TJ, IT18F/6ZF	21
	MACH	M-1077563		446B/5BL,	22
	MACH	M-1077563		924F/4YN-5NN-6MN, IT24F/4NN-6KN	23

SERIAL NUMBER LISTING

3116

ESN	Appl	Piston	Crown	Model/MSN	Line
1NJ	GEN	M-7C5668			8
2SG	GEN	M-7C5668			8
2MR	IND	M-1077563			11
	IND		M-1077545		12
2WG	IND	M-7E1298			100
	IND	M-9Y7452			100
	IND	M-1154124			9
	IND	M-1077563			11
	IND		M-6I1210		4
	IND		M-1077545		12
4PG	IND	M-7C5668			8
	IND	M-7E1298			100
	IND	M-9Y7452			100
	IND	M-1154124			9
	IND		M-6I1210		4
	IND		M-1077545		12
5EN	IND	M-1077563			11
	IND		M-1077545		12
1CK	MACH	M-7C5668		E200B/6KF-7DF	8
	MACH	M-7E1298		E240B/5WG-8SF, E240C/2RL-9PK	100
	MACH	M-7E3428		320/1TL-7WK	13
	MACH		M-1077545	322B/1AS-8MR-8NR, 325/5WK-6KK-7CJ-8JG-8NL-9KL	12
	MACH		M-1077545	D5M/4JS-5ES-5FS-6AS, 950F/4DJ, 960F/6XL	14
4TF	MACH	M-7C5668		E200B/6KF&7DF	8
	MACH	M-7E1298		CS563/7GG, CS573/8PK, CS583/1EL	100
	MACH	M-7E3428		320L/3XK-4RM-4ZJ-6KM-9WG	13
	MACH	M-7E3428		IT28F/1JL, IT38F/5DR, 953B/5MK, 928F/8AK, 120H/5FM-6YN	15
	MACH	M-1077563		M318/6ES-8AL-8SS, M320/6WL-9PS, CS531/3AZ-4KM-4MZ-9RN-AGH, CS533/2XN-3YN-4HL-5AL-5CZ-6AZ, CS563/4LN-5AJ-5KN-7GG, CS573/6LN-8PK, CS583/1EL-7NN	11
	MACH	M-1077563		IT28G/8CR-9AR, 928G/6XR-7SR, 938F/2RM, 953C/2ZN, 963B/9BL	16
	MACH	M-1154124		320L/4ZJ-6KM	9
	MACH		M-6I1210	325L/2SK-2SL-3LL	4
	MACH		M-6I1210	950F/6YG, 960F/4CL	17
	MACH		M-1077545	AP1000B/AGP-BYG, AP1055B/B2G, 320B/1XS-2AS-3YZ-5MS-6LW-7JR-9WS, 322B/1ZS-2ES-8ML-9JL, 325B/4DS-5BS-6DN-8FN, 325L/2SK-2SL-3LL, CS563D/2RZ-5LZ-9MW-9ZW, CS573D/2YZ, C583D/2CZ-3GZ-CMK	12
	MACH		M-1077545	D5M/3CR-3DR-4BR, D6M/2RN-3WN-9ZM, 561M/1KW, 613C/8LJ-93X-KEH, 950F/6YG-7ZF-8TK, 960F/4CL, 963C/2DS, 963B/9BL	14

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.

SERIAL NUMBER LISTING

3116

ESN	Appl	Piston	Crown	Model/MSN	Line
6RR	MACH	M-7E3428		IT28F/3CL	15
	MACH	M-1077563		IT28G/8CR, 928G/6XR	16
7JS	MACH		M-1077545	D6M/5WR-6LR	14
	MACH	M-7E1298		AP1050/1JG, CS531/3WM, CS533/3BL-3ZL, CS563/1SZ-1YJ	100
	MACH	M-7E3428		IT28F/3CL, 928F/2XL	15
	MACH	M-1154124		CB634/3BR-5CL	9
	MACH	M-1077563		AP1000/1HD, AP1050/1JG, CS531/3WM-5ZN, CS533/2WN-3BL-3XN-3ZL, CS563/1SZ-1YJ-4KN-5JN, CB634/3BR-5CL, CS583/7MN	11
	MACH	M-1077563		120H/2AN-4MK-5FM-6NM-6TM-9YR, 135H/3YK-8WN, 928G/6XR, IT28G/8CR, IT38F/6FN, 938F/1KM-7SN	16
	MACH		M-6I1210	325/7LM-7TG-8NK-8YK	4
	MACH		M-6I1210	950F/5SK-7ZF-8TK	17
	MACH		M-1077545	AP900/AGJ-AGL, AP1000/1HD-7HN-8GN, AP1055/ABB-6TN, CS563/9MW-9ZW, CS583/2CZ, 322B/1YS, 322L/9RL, 325/7LM-7TG, 325B/2JR, 325L/6RM-8NK-8YK	12
	MACH		M-1077545	613C/8LJ-93X, 950F/2LM-5SK-7ZF-8TK, 960F/1YM9ZJ	14
1SK	MARINE		M-6I4248		5
4KG	MARINE		M-6I1210		4
	MARINE		M-6I4248		5
2BK	TRUCK	M-4P2990			1
	TRUCK	M-6I1144			2
	TRUCK	M-1014495			3
	TRUCK		M-6I1210		4
	TRUCK		M-6I4248		5
2CW	TRUCK		M-1427307		100
2FR	TRUCK	M-1051710			6
	TRUCK		M-1077553		7
3RJ	TRUCK		M-6I4248		5
5JZ	TRUCK	M-1014495			3
5RM	TRUCK	M-1014495			3
7AG	TRUCK		M-6I4248		5
7JL	TRUCK	M-1051710			6
	TRUCK		M-1077553		7
7SF	TRUCK	M-7C5668			8
	TRUCK	M-1154124			9
	TRUCK		M-6I1210		4
8WL	TRUCK		M-1077852		

SERIAL NUMBER LISTING 3116

ESN	Appl	Piston	Crown	Model/MSN	Line
9GK	TRUCK	M-1014495			3
	TRUCK	M-1051710			6
	TRUCK		M-1051720		10
	TRUCK		M-1077553		7
9LN	TRUCK	M-6I1144			2
	TRUCK	M-1051710			6
	TRUCK	M-1077563			11
	TRUCK		M-1077553		7
9YN	TRUCK	M-1014495			3
	TRUCK	M-1051710			6
	TRUCK		M-1051720		10
	TRUCK		M-1077553		7
CSM	TRUCK	M-1051710			6
	TRUCK		M-1077553		7

SERIAL NUMBER LISTING 3126

ESN	Appl	Piston	Crown	Model/MSN	Line
BDZ	GEN		M-1504621		26
3TR	IND		M-1335044		25
6MS	IND		M-1334983		27
9ZR	IND		M-1334983		27
CKK	IND		M-1753671		100
BEJ	IND		M-1504621		26
	IND	M-2382729			29
DCD	IND		M-1504621		11
DCS	IND		M-1504621		7
	IND	M-2382729			3
3AK	MACH		M-1334983	322C/BKM-BLP ,938G/8RS, 950G/5MW, 962G/5RS-6HW	27
55K	MACH		M-1334983	322C/BKJ-BPH-CAM-CBY,TK370/WBD, TK371/WBG, TK380/WBE, TK381/WBH, 525B/3KZ, 533/CDR, 535B/AAE, 539/1PZ, 543/ASJ, IT38G/7BS, 938G/4YS-9HS, 950G/3JW-4BS-8JW, IT62G/6PS, 962G/4PW-5AS-6EW	27
6JK	MACH		M-1334983	322C/BFK-BGR, 550/7ZN, 570/4XR, 574/1FM, 580/7CN, IT38G/1CW, 938G/6WS-9HS, 950G/2JS-5FW-8JW, IT62G/AKP, 962G/3BS-6EW-7BW-BDP	27

SERIAL NUMBER LISTING

3126

ESN	Appl	Piston	Crown	Model/MSN	Line
5GG	MACH		M-1504621	322C/DAA-FED-G1L-HEK-LAR-M2H, 325C/AMH-BKW-BMM-BTD-C3R-M2K-S2C-S3M-Y4P	26
5GG	MACH		M-1504621	IT38G/CSX, 938G/CRD, 950G/AXR-AXS-AXX-AXY-AYB-AYE-AYL, 962G/BAB	26
5GG	MACH	M-2382729		322C/C3R-DAA-FED-HEK-LAR-M2H	29
5GG	MACH	M-2382729		IT38G/CSX, 938G/CRD, 950G/AXR-AXS-AXX-AXY-AYB-AYE-AYL, 962G/BAB	29
BMA	MACH		M-1504621	322C/EMR-MAR, 325C/CRB-CSJ-DTF-JLC-JLD, 570B/CKG, 580B/CLT, M325C/PAN-XJA	26
BMA	MACH		M-1504621	D5N/AGG-AKD, D6N/AKM-ALH-ALR-ALY-CBJ-CCK, 938G/PHN-RTB, 950G/AYB-AYL-BAA, IT62G/AYA, 962G/AYE-BAB-BAD	26
BMA	MACH	M-2382729		322C/EMR-MAR, 325C/CRB-CSJ-DTF-JLC-JLD-MSG, M325C/PAN-XJA	29
BMA	MACH	M-2382729		120H/124-ALZ-CAF, 135H/AMX-CBC, D5N/AGG-AKD, D6N/AKM-ALH-ALR-ALY-CBJ-CCK, 561N/CPH-TAD, 953C/BBX, 963C/BBD, IT38G/JAN, 938G/PHN-RTB	29
CSW	MACH		M-1504621	938G/B9Y, 950G/AYD-AYS, 962G/AYG-BAC,	26
CSW	MACH	M-2382729		D5N/CFH-CKT, D6N/CBF-CBL-CCG-CCS, 561N/CPH-TAD, 938G/B9Y	29
1ZJ	MARINE		M-1646556		100
	MARINE		M-1753671		100
4EZ	MARINE		M-1646556		100
6MK	MARINE		M-1646556		100
	MARINE		M-1753671		100
6SR	MARINE		M-1646556		100
8NM	MARINE		M-1646556		100
NSW	MARINE		M-1646556		100
3GS	MARINE		M-1504621		26
	MARINE		M-1654265		100
9ZF	MARINE		M-1504621		26
	MARINE		M-1654265		100
1BW	TRUCK		M-1335044		25
	TRUCK		M-1504621		26
1WM	TRUCK		M-1335044		25
	TRUCK		M-1443444		100
4ES	TRUCK		M-1335044		25
6PZ	TRUCK		M-1504621		26
7JZ	TRUCK		M-1504621		26
7LZ	TRUCK		M-1335044		25
8HW	TRUCK		M-1443444		100
8SZ	TRUCK		M-1504621		26

SERIAL NUMBER LISTING

3126

ESN	Appl	Piston	Crown	Model/MSN	Line
1AJ	TRUCK		M-1504621		26
5GL	TRUCK		M-1504621		26
7AS	TRUCK		M-1504621		26
8YL	TRUCK		M-1504621		26
	TRUCK		M-1723282		28
	TRUCK	M-2382729			29
BKD	TRUCK		M-1504621		26
	TRUCK	M-2382729			29
9SZ	TRUCK		M-1504621		26
	TRUCK	M-2382729			29
CKM	TRUCK		M-1504621		26
	TRUCK	M-2382729			29
CRP	TRUCK		M-1504621		26
DPF	TRUCK		M-1979320		100
	TRUCK	M-1979340			100
G3E	TRUCK		M-1504621		26
HEP	TRUCK		M-1504621		26
	TRUCK	M-2382729			29
LEF	TRUCK		M-1504621		26

SERIAL NUMBER LISTING

C7

ESN	Appl	Piston	Crown	Model/MSN	Line
JKL	IND	M-2382720			100
JRA	IND	M-2382720			100
JTF	IND	M-2382698			30
	IND	M-2382720			100
PRY	IND	M-2382720			100
C7C	MACH	M-2382698		AP755/B3T, 324D/BTK-EJC-KJR-LAB-SYM-T2D-TRH, 325D/C3N-GBR-GPB-LAL-MCL-PKE-SRC, M325D/EDF-KAY, 329D/BFC-L5H-SCY-TPM	30
	MACH	M-2382720		PM102/Z2X, 325D/C3N-GBR-GPB-LAL-MCL-NAC-PAL-PKE-SRC, M325D/KGG, 329D/BFC-CZF-EBM-LGN-SCY-TPM-WLT-XDB	100
	MACH	M-2382720		950H/M1G-N1A, IT62H/M5G, 962H/M3G-N4A	100
KHX	MACH	M-2382698		324D/BTK-CJX-DFP-JAT-JJD-JKR-JLS-JZR-MND-PYT-T2D-TRH-TSN, 325D/AZP-DBH-ERK-KBE-KDG-SCR, M325D/EDF-KAY, 328D/MKR, 329D/BYS-CZF-DJF-MNB-RSK-WDK	30
	MACH	M-2382698		12K/JJA-SZP, 120K/JAP-SZN-SZS	30

SERIAL NUMBER LISTING

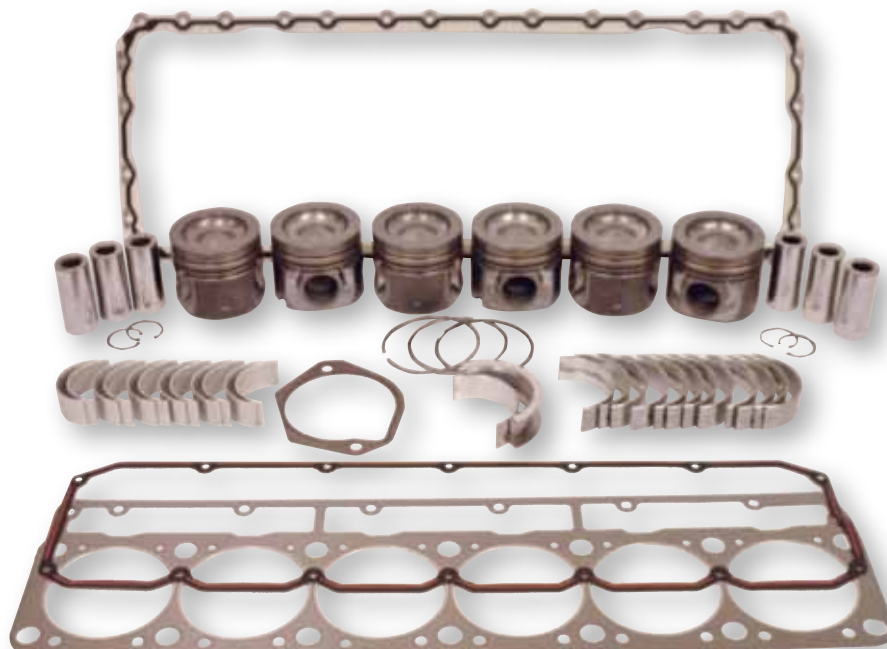
C7

ESN	Appl	Piston	Crown	Model/MSN	Line
KHx	MACH	M-2382720		AP755/B3T, AP1000D/BPW-EAD, AP1055D/A6P-BNW-BXW-FAC, 325D/A3R-AZP-C4H-C7K-C8L-C9M-DBH-H3N-JCL-KBE-KDG-PAL-RJK-SCR-T2S, M325D/KGG, 328D/GTN-RMX, 329D/DJF-DTZ-EBM-JHJ-L5H-MNB-WDK-WLT-XDB-YFW, 584/PAK-PBK, 2748/PCH-PCL, 2948/PCH-PCL	100
	MACH	M-2382720		140K/JPA-SZL-SZW, 140M/B9D-B9G-B9M-D9G, 160K/JBP-SZM, 525C/525, 535C/535, 545C/545, 950H/J5J-JAD-K5K-M1G-N1A, IT62H/M5G, 962H/J6J-K6K-M3G-MAL-N4A	100
C7B	MARINE		M-1504621		26
	MARINE		M-1654265		100
C7X	MARINE		M-1504621		26
	MARINE		M-1654265		100
M7A	MARINE	M-2807281			100
M7G	MARINE		M-1504621		26
	MARINE		M-1654265		100
C7P	PETROL	M-2382720			100
K2A	PETROL	M-2382720			100
C7S	TRUCK	M-2627330			31
	TRUCK	M-2629288			32
	TRUCK	M-2780574			100
FML	TRUCK	M-2382720			100
FMM	TRUCK	M-2382720			100
JRT	TRUCK	M-2382720			100
KAL	TRUCK	M-2382698			30
	TRUCK	M-2382720			100
LBM	TRUCK	M-2382698			30
	TRUCK	M-2382720			100
NPH	TRUCK	M-2382698			30
	TRUCK	M-2382720			100
RMF	TRUCK	M-2382720			100
SAP	TRUCK	M-2382698			30
	TRUCK	M-2382720			100
TSK	TRUCK	M-2382720			100
WAX	TRUCK	M-2382698			30
	TRUCK	M-2382720			100
YPG	TRUCK	M-2382720			100

ENGINE KIT LISTING

Line	Inframe Kit	Overhaul Kit
1	MCIF2990-6	MCOH2990-6
2	MCIF1144-6	MCOH1144-6
3	MCIF4495-6	MCOH4495-6
4	MCIF1210	MCOH1210
5	MCIF4248	MCOH4248
6	MCIF1710-6	MCOH1710-6
7	MCIF7553	MCOH7553
8	MCIF5668-6	MCOH5668-6
9	MCIF4124-6	MCOH4124-6
10	MCIF1720	MCOH1720
11	MCIF7563-6	MCOH7563-6
12	MCIF7545	MCOH7545
13	MCIF3428-6	MCOH3428-6
14	MCIF7545	MCOH7545W
15	MCIF3428-6	MCOH3428-6W
16	MCIF7563-6	MCOH7563-6W
17	MCIF1210	MCOH1210W

Line	Inframe Kit	Overhaul Kit
18	MCIF4124-4	MCOH4124-4
19	MCIF1210-4	MCOH1210-4
20	MCIF7545-4	MCOH7545-4
21	MCIF3428-4	MCOH3428-4
22	MCIF7563-4	MCOH7563-4
23	MCIF7563-4	MCOH7563-4W
24	MCIF5668-4	MCOH5668-4
25	MCIF5044	MCOH5044
26	MCIF4621	MCOH4621
27	MCIF4983	MCOH4983
28	MCIF3282	MCOH3282
29	MCIF2729	MCOH2729
30	MCIF2698	MCOH2698
31	MCIF7330	MCOH7330
32	MCIF9288	MCOH9288
100	Check Availability	



3114/3116 PARTS LISTING

CYLINDER COMPONENTS

Part #	Qty		Description	Comment
	3114	3116		
M-PK1144		6	Piston Kit	M-6I1144 piston
M-PK1298	4	6	Piston Kit	M-7E1298 piston
M-PK1710		6	Piston Kit	M-1051710 piston
M-PK2990		6	Piston Kit	M-4P2990 piston
M-PK3428	4	6	Piston Kit	M-7E3428 piston
M-PK4124	4	6	Piston Kit	M-1154124 piston
M-PK4495		6	Piston Kit	M-1014495 piston
M-PK5668	4	6	Piston Kit	M-7C5668 piston
M-PK7452	4	6	Piston Kit	M-9Y7452 piston
M-PK7563	4	6	Piston Kit	M-1077563 piston
M-PK1210	4	6	Piston Kit Articulated	M-6I1210 crown
M-PK1720		6	Piston Kit Articulated	M-1071720 crown
M-PK4248		6	Piston Kit Articulated	M-6I4248 crown
M-PK7307		6	Piston Kit Articulated	M-1427307 crown
M-PK7545	4	6	Piston Kit Articulated	M-1077545 crown
M-PK7553		6	Piston Kit Articulated	M-1077553 crown
M-PK7852		6	Piston Kit Articulated	M-1077852 crown
M-2382716	4	6	Piston Skirt	
M-PK7791	4	6	Piston Skirt Kit	Skirt, pin, ringset & retainers
M-7C115	4	6	Piston Pin	
M-7C3901	4	6	Piston Pin - Articulated	
M-7C111	8	12	Pin Retainers	
M-7E5213	4	6	Ring Set	
M-4P6914	4	6	Ring Set	
M-RS1051720		6	Ring Set	
M-7C6208	AR	AR	Cylinder Salvage Sleeve	
M-2133193	4	6	Connecting Rod Assembly	Fracture split type

3114/3116 PARTS LISTING

ENGINE BEARINGS

Part #	Qty		Description	Comment
	3114	3116		
M-2246638	4	6	Rod Bearing - STD	
M-7C6976	4	6	Rod Bearing - .25mm OS	
M-7C6977	4	6	Rod Bearing - .50mm OS	
M-1011530	3	3	Main Bearing - STD	
M-1077708	1	3	Main Bearing - STD	
M-2124893	1	1	Main Bearing - STD	
M-1450163	3	3	Main Bearing - .25mm OS	
M-1450162	1	3	Main Bearing - .25mm OS	
M-2295153	1	1	Main Bearing - .25mm OS	
M-1450165	3	3	Main Bearing - .50mm OS	
M-1450164	1	3	Main Bearing - .50mm OS	
M-2295154	1	1	Main Bearing - .50mm OS	
M-1077708		6	Main Bearing - STD	
M-2124893		1	Main Bearing - STD	
M-1450162		6	Main Bearing - .25mm OS	
M-2295153		1	Main Bearing - .25mm OS	
M-1450164		6	Main Bearing - .50mm OS	
M-2295154		1	Main Bearing - .50mm OS	
M-2165586	1	1	Camshaft Bearing	
M-2W7213	4	6	Camshaft Bearing	
M-2W0027	4	6	Connecting Rod Bushing	
M-2W7566	1	1	Idler Gear Bushing	

CRANKSHAFT SEALS

Part #	Qty		Description	Comment
	3114	3116		
M-2715658		1	Crankshaft	Less gear
M-2457339	1	1	Front Crankshaft Seal	
M-2223909	1	1	Rear Crankshaft Seal	Dry housing
M-2223910	1	1	Rear Crankshaft Seal	Wet housing

3114/3116 PARTS LISTING

CYLINDER HEAD COMPONENTS MUI ENGINES

Part #	Qty		Description	Comment
	3114	3116		
M-7W8064	4	6	Valve - Intake	
M-7W8065	4	6	Intake Seat	
M-1360819	4	6	Valve - Exhaust	
M-1W2713	4	6	Exhaust Seat	
M-1W2715	16	24	Valve Lock	
M-9Y8848	8	12	Valve Guide	
M-7C4273	8	12	Valve Spring - Both	2.80" L
M-7C4273		6	Valve Spring - Intake	2.80" L
M-6I2307		6	Valve Spring - Exhaust	3.20" L
M-7E7779	8	12	Spring Retainer - Both	.390" thick
M-7E7779		6	Spring Retainer - Intake	.390" thick
M-1335037		6	Spring Retainer - Exhaust	.540" thick
M-1193036	8	12	Valve Stem Seal	
M-1193061	4	6	Injector Tube	
M-6I1241	8	12	Pushrod - Valve	
M-4P8577	4	6	Pushrod - Injector	

CYLINDER HEAD COMPONENTS HEUI ENGINES

Part #	Qty		Description	Comment
	3114	3116		
M-1614280		6	Valve - Intake	
M-1639063		6	Intake Seat	
M-1360819		6	Valve - Exhaust	
M-1W2713		6	Exhaust Seat	
M-1W2715		24	Valve Lock	
M-9Y8848		12	Valve Guide	
M-1193045		6	Valve Spring - Intake	
M-6I2307		6	Valve Spring - Exhaust	
M-7E7779		6	Spring Retainer - Intake	
M-1335037		6	Spring Retainer - Exhaust	
M-1193036		12	Valve Stem Seal	
M-1193061		6	Injector Tube	

3114/3116 PARTS LISTING

FUEL SYSTEM

Part #	Qty		Description	Comment
	3114	3116		
M-4P2995	4	6	Fuel Injector - MUI	
M-1278213	4	6	Fuel Injector - MUI	
M-1278216	4	6	Fuel Injector - MUI	
M-1278218	4	6	Fuel Injector - MUI	
M-1278222	4	6	Fuel Injector - MUI	
M-1278225	4	6	Fuel Injector - MUI	
MVB41955/31	4	6	Nozzle & Tip Assembly	M-1278213
MCB41966/31	4	6	Nozzle & Tip Assembly	M-1278216
MCB41986/31	4	6	Nozzle & Tip Assembly	M-1278218
MCB41996/31	4	6	Nozzle & Tip Assembly	M-1278222
MCB41956/31	4	6	Nozzle & Tip Assembly	M-1278225
M-6V6228	4	6	Injector O-ring - Upper	MUI
M-0328970	4	6	Injector O-ring - Lower	MUI
M-1148718		6	Injector O-ring - Upper	HEUI
M-1258274		6	Injector O-ring - Lower	HEUI
M-1052508		1	Fuel Priming Pump	
M-1P436		1	Fuel Priming Pump Gasket	

LUBRICATION SYSTEM

Part #	Qty		Description	Comment
	3114	3116		
M-1898777	1	1	Oil Pump	

3114/3116 PARTS LISTING

COOLING SYSTEM

Part #	Qty		Description	Comment
	3114	3116		
M-1265869	1		Regulator	94°C
M-1193075	1	1	Regulator	94°C
M-1957339	1	1	Regulator Gasket	
M-2W7212	1	1	Regulator Gasket	
M-7C4508	1	1	Water Pump	
M-4P3683		1	Water Pump	
M-7X2528	1	1	Water Pump Installation Kit	

CUSTOM GASKET SETS

Part #	Qty		Description	Comment
	3114	3116		
MCB3114011	1		Overhaul Gasket Set	
MCB3114021	1		Overhaul Gasket Set	Wet clutch
MCB3114012	1		In Chassis Gasket Set	
MCB3114013	1		Cylinder Head Gasket Set	
MCB3116011		1	Overhaul Gasket Set	Truck, industrial
MCB3116021		1	Overhaul Gasket Set	Machine wet clutch
MCB3116031		1	Overhaul Gasket Set	Machine, marine dry clutch
MCB3116012		1	In Chassis Gasket Set	
MCB3116013		1	Cylinder Head Gasket Set	Truck
MCB3116023		1	Cylinder Head Gasket Set	Industrial, machine, marine



3114/3116 PARTS LISTING

GASKETS

Part #	Qty		Description	Comment
	3114	3116		
M-7C1152		1	Aftercooler Gasket	
M-1359819		1	Air Compressor Mounting Seal	
M-4Y9652	2	3	Cam Follower Cover Gasket	
M-1136200	2	3	Exhaust Manifold Gasket	
M-0L364	2		Exhaust Manifold Lock	
M-1560235	2	5	Exhaust Manifold Lock	
M-6I3033	1	1	Exhaust Manifold Lock	
M-1393256	1	1	Front Cover Gasket	
M-7C1159	1		Fuel Filter Base Gasket	
M-7C1151	1		Intake Manifold Cover Gasket	
M-7C1152		1	Intake Manifold Cover Gasket	
M-4P1624		1	Intake Manifold Cover Gasket	
M-1154245	1		Intake Manifold Gasket	Manifold to head
M-1136250		1	Intake Manifold Gasket	Manifold to head
M-7C1162	1		Oil Cooler Gasket	Inner
M-7C1163	1		Oil Cooler Gasket	Outer
M-2337655		1	Oil Cooler Gasket	Inner
M-2337654		1	Oil Cooler Gasket	Outer
M-8M4445	2		Oil Cooler Seal Ring	
M-3P1156		2	Oil Cooler Seal Ring	
M-2337654		1	Oil Filter Base Gasket	
M-5F9652	3	2	Oil Filter Base Seal	
M-8L2786	1		Oil Pan Drain Seal	
M-3K360		1	Oil Pan Drain Seal	
M-1193072	1		Oil Pan Gasket	
M-2613816		1	Oil Pan Gasket	
M-7W5340	1	1	Oil Pickup Tube Gasket	
M-1957339	1	1	Regulator Gasket	
M-2W7212	1	1	Regulator Gasket	
M-7C7431	1	1	Turbo Mounting Gasket	
M-7W2398	1	1	Turbo Oil Drain Gasket	
M-1S7057	1	1	Turbo Oil Supply Gasket	
M-1192950	1		Valve Cover Gasket	
M-1192940		1	Valve Cover Gasket	
M-2M4453	1		Water Pump Mounting Seal	
M-7F8267	1		Water Pump Mounting Seal	
M-4J525		1	Water Pump Mounting Seal	

3126/C7 PARTS LISTING

CYLINDER COMPONENTS

Part #	Qty		Description	Comment
	3126	C7		
M-PK2729	6		Piston Kit	M-2382729 piston
M-PK3282	6		Piston Kit Articulated	M-1723282 crown
M-PK3444	6		Piston Kit Articulated	M-1443444 crown
M-PK3671	6		Piston Kit Articulated	M-1753671 crown
M-PK4265	6	6	Piston Kit Articulated	M-1654265 crown
M-PK4621	6	6	Piston Kit Articulated	M-1504621 crown
M-PK4983	6		Piston Kit Articulated	M-1334983 crown
M-PK5044	6		Piston Kit Articulated	M-1335044 crown
M-PK6556	6		Piston Kit Articulated	M-1646556 crown
M-PK9320	6		Piston Kit Articulated	M-1979320 crown
M-PK9340	6		Piston Kit	M-1979340 piston
M-PK0574		6	Piston Kit	M-2780574 piston
M-PK2698		6	Piston Kit	M-2382698 piston
M-PK2720		6	Piston Kit	M-2382720 piston
M-PK7281		6	Piston Kit	M-2807281 piston
M-PK7330		6	Piston Kit	M-2627330 piston
M-PK9288		6	Piston Kit	M-2629288 piston
M-2382726	6	6	Piston Skirt	
M-1687224	6	6	Piston Pin	
M-1687226	6	6	Piston Pin - Articulated	
M-1979371		6	Piston Pin	
M-2382735		6	Piston Pin	
M-2860184		6	Piston Pin	
M-7C111	12	12	Pin Retainers	
M-7X2908		12	Pin Retainers	
M-1979372		12	Pin Retainers	
M-RS3126E	6		Ring Set	
M-RS1646556	6		Ring Set	
M-RS1654265	6		Ring Set	
M-RS2382698		6	Ring Set	
M-RS2382720		6	Ring Set	
M-RS2629288		6	Ring Set	

3126/C7 PARTS LISTING

CYLINDER COMPONENTS

Part #	Qty		Description	Comment
	3126	C7		
M-RS2807281		6	Ring Set	
M-1077604	6	6	Cylinder Salvage Sleeve	
M-2133193	6	6	Connecting Rod Assembly	Fracture split type

ENGINE BEARINGS

Part #	Qty		Description	Comment
	3126	C7		
M-2246638	6	6	Rod Bearing - STD	
M-7C6976	6	6	Rod Bearing - .25mm OS	
M-7C6977	6	6	Rod Bearing - .50mm OS	
M-1077708	6	6	Main Bearing - STD	
M-2124893	1	1	Main Bearing - STD	
M-1450162	6	6	Main Bearing - .25mm OS	
M-2295153	1	1	Main Bearing - .25mm OS	
M-1450164	6	6	Main Bearing - .50mm OS	
M-2295154	1	1	Main Bearing - .50mm OS	
M-2165586	1	1	Camshaft Bearing	
M-2W7213	6	6	Camshaft Bearing	
M-2W0027	6	6	Connecting Rod Bushing	
M-2W7566	1		Idler Gear Bushing	Large
M-2W9930	1		Idler Gear Bushing	Small

CRANKSHAFT SEALS

Part #	Qty		Description	Comment
	3126	C7		
M-2715658		1	Crankshaft	Less gear
M-2457339	1	1	Front Crankshaft Seal	
M-2223909	1	1	Rear Crankshaft Seal	Dry housing
M-2223910	1	1	Rear Crankshaft Seal	Wet housing

3126/C7 PARTS LISTING

CYLINDER HEAD COMPONENTS 2 VALVE MUI ENGINES

Part #	Qty		Description	Comment
	3126	C7		
M-1614280	6		Valve - Intake	
M-1639063	6		Intake Seat	
M-1360819	6		Valve - Exhaust	
M-1W2713	6		Exhaust Seat	
M-1W2715	24		Valve Lock	
M-9Y8848	12		Valve Guide	
M-7C4273	12		Valve Spring	2.80" L
M-7E7779	12		Spring Retainer	.390" thick
M-1193036	12		Valve Stem Seal	
M-1193061	6		Injector Tube	
M-6I1241	12		Pushrod - Valve	
M-4P8577	6		Pushrod - Injector	

CYLINDER HEAD COMPONENTS 2 VALVE HEUI ENGINES

Part #	Qty		Description	Comment
	3126	C7		
M-1618280	6		Valve - Intake	
M-1639063	6		Intake Seat	
M-1360819	6		Valve - Exhaust	
M-1W2713	6		Exhaust Seat	
M-1W2715	24		Valve Lock	
M-9Y8848	12		Valve Guide	
M-7C4273	12		Valve Spring - Both	2.80" L
M-7C4273	6		Valve Spring - Intake	2.80" L
M-6I2307	6		Valve Spring - Exhaust	3.20" L
M-7E7779	12		Spring Retainer - Both	.390" thick
M-7E7779	6		Spring Retainer - Intake	.390" thick
M-1335037	6		Spring Retainer - Exhaust	.540" thick
M-1193036	12		Valve Stem Seal	
M-1193061	6		Injector Tube	

CYLINDER HEAD COMPONENTS 3 VALVE HEUI ENGINES

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.

3126/C7 PARTS LISTING

FUEL SYSTEM

Part #	Qty		Description	Comment
	3126	C7		
M-1148718	6		Injector O-ring - Upper	MUI & HEUI 2V
M-1258274	6		Injector O-ring - Lower	MUI & HEUI 2V
M-2421539	6		Injector Seal Ring Kit	HEUI 3V
M-2974841		6	Injector Seal Ring Kit	HEUI-II
M-1052508	1		Fuel Priming Pump	
M-1375541		1	Fuel Priming Pump	
M-1P436	1	1	Fuel Priming Pump Gasket	

LUBRICATION SYSTEM

Part #	Qty		Description	Comment
	3126	C7		
M-1898777	1	1	Oil Pump	

COOLING SYSTEM

Part #	Qty		Description	Comment
	3126	C7		
M-1265869	1		Regulator	94°C
M-1154223	1		Regulator	97°C
M-1154223	2	2	Regulator	97°C
M-7C4508	1		Water Pump	
M-1208402	1	1	Water Pump	
M-1268227	1	1	Water Pump	
M-7X2528	1		Water Pump Installation Kit	
M-3083436		1	Water Pump Installation Kit	

3126/C7 PARTS LISTING

CUSTOM GASKET SETS

Part #	Qty		Description	Comment
	3126	C7		
MCB3126121	1		Overhaul Gasket Set	2V HEUI truck & industrial
MCB3126122	1		In Chassis Gasket Set	
MCB3126123	1		Cylinder Head Gasket Set	
MCB3126061	1		Overhaul Gasket Set	3V HEUI machine wet clutch
MCB3126062	1		In Chassis Gasket Set	
MCB3126063	1		Cylinder Head Gasket Set	
MCB3126071	1		Overhaul Gasket Set	2V MUI machine wet clutch
MCB3126072	1		In Chassis Gasket Set	
MCB3126073	1		Cylinder Head Gasket Set	
MCB3126081	1		Overhaul Gasket Set	2V MUI machine dry clutch
MCB3126082	1		In Chassis Gasket Set	
MCB3126083	1		Cylinder Head Gasket Set	
MCB3126091	1		Overhaul Gasket Set	3V HEUI truck & machine dry clutch
MCB3126092	1		In Chassis Gasket Set	
MCB3126093	1		Cylinder Head Gasket Set	
MCBC7011		1	Overhaul Gasket Set	C7
MCBC7012		1	In Chassis Gasket Set	
MCBC7013		1	Cylinder Head Gasket Set	
MCBC7021		1	Overhaul Gasket Set	C7 machine wet clutch
MCBC7022		1	In Chassis Gasket Set	
MCBC7023		1	Cylinder Head Gasket Set	



3126/C7 PARTS LISTING

GASKETS

Part #	Qty		Description	Comment
	3126	C7		
M-1359819	1	1	Air Compressor Mounting Seal	
M-6V8260		1	Air Compressor Mounting Seal	
M-4Y9652	3	3	Cam Follower Cover Gasket	
M-2721956	6	6	Exhaust Manifold Gasket	
M-1279810	1		Exhaust Manifold Lock	
M-1560235	4		Exhaust Manifold Lock	
M-1279811	1		Exhaust Manifold Lock	
M-1393256	1		Front Cover Gasket	
M-2585646		1	Front Cover Gasket	
M-1443472	1		Intake Manifold Cover Gasket	
M-2337655	1	1	Oil Cooler Gasket	Inner
M-2337654	1		Oil Cooler Gasket	Outer
M-3P1156	2	2	Oil Cooler Seal Ring	
M-3K360	1	1	Oil Pan Drain Seal	
M-3D2824		2	Oil Pan Drain Seal	
M-1697487		1	Oil Pan Drain Seal	
M-2313816	1	1	Oil Pan Gasket	
M-1662905	1	1	Oil Pan Seal Intergral Style	
M-7W5340	1	1	Oil Pickup Tube Gasket	
M-1360812	1		Regulator Gasket	
M-1265466	1		Regulator Gasket	
M-2225915		1	Regulator Gasket	
M-2850365		1	Regulator Gasket	
M-7C7431	1	1	Turbo Mounting Gasket	
M-2692904		1	Turbo Mounting Gasket	
M-7W2398	1		Turbo Oil Drain Gasket	
M-1978418		1	Turbo Oil Drain Gasket	
M-1S7057	1		Turbo Oil Supply Gasket	
M-2147568		1	Turbo Oil Supply Seal	
M-2213494		1	Turbo Oil Supply Seal	
M-5P5678-2	1		Valve Cover Gasket	Upper
M-5P5678-2	1		Valve Cover Gasket	Lower
M-2175701		2	Valve Cover Gasket	
M-2720388		2	Valve Cover Gasket	
M-2M4453	1	1	Water Pump Mounting Seal	
M-4J525	1	1	Water Pump Mounting Seal	

NOTES

[illegible]

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



OHIO

5300 Lakeside Avenue
Cleveland, OH 44114 U.S.A.

Tel: 216-881-0015

FAX: 216-881-0805

E-mail: sales@interstate-mcbee.com

CALIFORNIA

13137 Arctic Circle
Santa Fe Springs, CA 90670 U.S.A.

Tel: 562-356-5414

FAX: 562-926-2452

FLORIDA

9955 NW 58th Street
Doral, FL 33178 U.S.A.

Tel: 305-863-6650

FAX: 305-863-6272

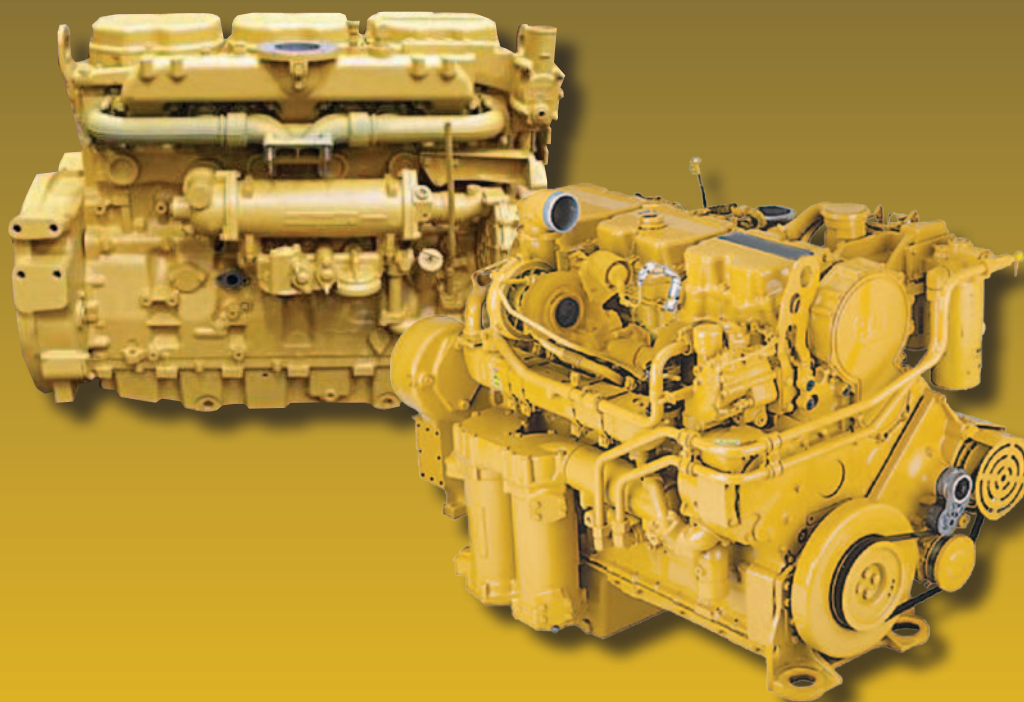
Serving the diesel industry since 1947 with quality fuel injection and engine parts.



INTERSTATE-McBEE



Replacement Parts for CATERPILLAR® C12-3406-3406E-C15 Highway Truck Engines



INTERSTATE-McBEE, LLC

5300 Lakeside Avenue • Cleveland, Ohio 44114 U.S.A.
216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805
www.interstate-mcbee.com • E-mail: sales@interstate-mcbee.com

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

® Caterpillar and CAT are registered trademarks of Caterpillar, Inc.



INTERSTATE-McBEE



INTERSTATE-McBEE, LLC

5300 Lakeside Avenue • Cleveland, Ohio 44114-3996 U.S.A.
216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805
www.interstate-mcbee.com • E-mail: sales@interstate-mcbee.com

CONTENTS

C12 Engine Kit Listing	4
-------------------------------------	---

C12 Parts Listing

Air Inlet & Exhaust System.....	6
Cooling System.....	8
Crankshaft Seals & Damper.....	6
Cylinder Components.....	5
Cylinder Head Components.....	6
Engine Bearings.....	5
Fuel System.....	7
Gasket Sets - McBee Custom.....	8
Gasket Sets - Modular.....	9
Lubrication System.....	7

3406-C15 Serial Number Listing	10-12
---	-------

3406-C15 Engine Kit Listing	13
--	----

3406 A/B/C Parts Listing

Camshaft & Lifters.....	16
Cooling System.....	19
Crankshaft Seals & Damper.....	15
Cylinder Components.....	14
Cylinder Head Components.....	16
Engine Bearings.....	15
Engine Kits.....	13
Exhaust System.....	20
Fuel Injection Line.....	18
Fuel System.....	17
Gasket Sets - McBee Custom.....	20
Gasket Sets - Modular.....	21
Lubrication System.....	18

3406E-C15 Parts Listing

Cooling System.....	26
Crankshaft Seals & Damper.....	23
Cylinder Components.....	22
Cylinder Head Components.....	24
Cylinder Head Hardware.....	24
Engine Bearings.....	23
Exhaust System.....	26
Fuel System.....	25
Gasket Sets - McBee Custom.....	27
Gasket Sets - Modular.....	28
Lubrication System.....	25
Sensors.....	27

C12 ENGINE KIT LISTING

TRUCK ENGINE KITS

ESN	Appl	Cylinder Kit	Inframe Kit	Overhaul Kit	IF Gkt Set	OH Gkt Set
1YN1-Up	Truck / C12	CK1979328P	MCIF1979328	MCOH1979328	MCBC10012	MCBC12011
2KS1-388	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10012	MCBC12011
2KS389-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021
8YF1-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021
9NS1-16227	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10012	MCBC12011
9NS16228-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021
9SM1-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021
CPD1-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021
GEP1-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021
MBL1-122	Truck / C12	**	**	**	MCBC10022	MCBC12021
MBL123-Up	Truck / C12	CK1979374P	MCIF1979374	MCOH1979374	MCBC10022	MCBC12021
TME1-Up	Truck / C12	CK1442948P	MCIF1442948	MCOH1442948	MCBC10022	MCBC12021

** In Development



C12 PARTS LISTING

CYLINDER COMPONENTS

Part #	Quantity	Description	Comment
M-1979328	6	Piston Crown	
M-1442948	6	Piston Crown	
M-1979374	6	Piston Crown	
MCB2382712	6	Piston Skirt	Use only with MCB1979251R Retainers
M-RSC12E	6	Ring Set	
MCB1979251	6	Piston Pin	McBee style Pin
MCB1979251R	12	Piston Pin Retainer	McBee style Pin Retainer
M-1979330	6	Liner	
M-1043560	6	Liner Seal Ring	

ENGINE BEARINGS

Part #	Quantity	Description	Comment
M-1161089	6	Connecting Rod Bearing	STD
M-1280395	6	Connecting Rod Bearing	.51mm OS
M-1280396	6	Connecting Rod Bearing	.76mm OS
M-2110587	4	Main Bearing	STD
M-2110588	3	Main Bearing	STD
M-1280400	4	Main Bearing	.51mm OS
M-1280382	3	Main Bearing	.51mm OS
M-1280401	4	Main Bearing	.76mm OS
M-1280383	3	Main Bearing	.76mm OS
M-2463144	2	Thrust Plate	
M-2165585	1	Camshaft Bushing	Front
M-2165583	5	Camshaft Bushing	Intermediate
M-2165584	1	Camshaft Bushing	Rear
M-1152972	6	Connecting Rod Bushing	
M-9M2418	1	Rear Idler Bushing	

C12 PARTS LISTING

CRANKSHAFT SEALS & DAMPER

Part #	Quantity	Description	Comment
M-1260110	1	Front Seal Kit	1YN1-12844, 2KS1-17157, 9NS1-19832
M-1694166	1	Front Seal Kit	
M-2264755	1	Front Seal Kit	
M-7C1728	1	Rear Seal Kit	
M-1005421	1	Rear Seal Kit	Wet Housing
M-9Y810	1	Rear Wear Sleeve	
M-1678125	1	Vibration Damper	

CYLINDER HEAD COMPONENTS

Part #	Quantity	Description	Comment
N-7E9578	12	Intake Valve	
M-1929213	12	Intake Valve	
M-1799454	12	Intake Seat	
M-1337029	12	Exhaust Valve	
M-1799453	12	Exhaust Seat	
M-2A4429	48	Valve Lock	
M-1008150	24	Valve Guide	
M-2244441	24	Valve Spring - Inner	
M-3322152	24	Valve Spring - Outer	
M-7E7977	24	Rotocoil	
M-1161102	6	Injector Tube	
M-1750454	26	Head Bolt	

AIR INLET & EXHAUST SYSTEM

Part #	Quantity	Description	Comment
MCBC12ESK	1	Exhaust Manifold Stud Kit	General Usage
M-1163715	12	- Stud Taperlock	
M-4P4369	12	- Spacer	
M-3E8017	12	- Nut	
M-9X8281	4	Turbo Mounting Stud	
M-3E8017	4	Turbo Mounting Nut	

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.

C12 PARTS LISTING

FUEL SYSTEM

Part #	Quantity	Description	Comment
R-10R0725	6	Injector - Rebuilt	Ref# 2123464 (NEW)
R-10R0961	6	Injector - Rebuilt	Ref# 2123465 (NEW)
R-10R0966	6	Injector - Rebuilt	Ref# 2123461 (NEW)
R-10R0968	6	Injector - Rebuilt	Ref# 2123466 (NEW)
R-10R1262	6	Injector - Rebuilt	Ref# 2046714 (NEW)
M-2153198	6	Injector Seal Ring	Upper
M-1198784	6	Injector Seal Ring	Intermediate
M-9X7317	6	Injector Seal Ring	Lower
M-2245797	6	Injector O-Ring Kit	External seals
M-1375541	1	Fuel Priming Pump	
M-1P0436	1	Fuel Priming Pump Gasket	

LUBRICATION SYSTEM

Part #	Quantity	Description	Comment
M-2335220	1	Oil Pump	
M-6V3834	1	Mounting Seal Ring	
M-6N2985	1	Oil Filler Cap	1 7/8" Valve Cover
M-5L2952	1	Oil Filler Cap	1 1/2" side fill
M-1154517	1	Oil Cooler Core	
M-617540	2	Mounting Seal Ring	
M-1173036	2	End Cover Seal Ring	
M-2N5243	2	Coupling Seal Ring	
M-1008525	1	Elbow Gasket	
M-2N5243	2	Coupling Seal Ring	
M-7C8296	14	Oil Pan Isolator	
M-1095308	1	Oil Pan Seal	

C12 PARTS LISTING

COOLING SYSTEM

Part #	Quantity	Description	Comment
M-2477133	AR	Regulator 190°	Single & Double types used
M-3S9643	AR	Regulator Seal	
M-7E7912	1	Housing Gasket	Single Regulator
M-1314164	1	Housing Gasket	Double Regulator
M-1767000	1	Water Pump	
M-6V7350	1	Pump Mounting Seal	

GASKET SETS - MCBEE CUSTOM

Part #	Quantity	Description	Comment
MCBC10013	1	Cylinder Head Set	Scalloped Edge Head Gasket
MCBC10023	1	Cylinder Head Set	Straight Edge Head Gasket
MCBC12123	1	Cylinder Head Set	Straight Edge Head Gasket
MCBC10012	1	In Chassis Gasket Set	Scalloped Edge Head Gasket
MCBC10022	1	In Chassis Gasket Set	Straight Edge Head Gasket
MCBC12122	1	In Chassis Gasket Set	Straight Edge Head Gasket
MCBC12011	1	Overhaul Gasket Set	Scalloped Edge Head Gasket
MCBC12021	1	Overhaul Gasket Set	Straight Edge Head Gasket
MCBC12121	1	Overhaul Gasket Set	Straight Edge Head Gasket

Note: Injector O-Rings included in all McBee Custom Gasket Sets.



C12 PARTS LISTING

GASKET SETS - MODULAR

Part #	Quantity	Description	Comment
M-1933318	1	Air Compressor Set	General Usage
M-2527955	1	Central & Lower Set	General Usage
M-3164416	1	Cylinder Head Set	1YN1-Up, 2KS1-388, 9NS1-16227
M-4174374	1	Cylinder Head Set	2KS389, 9NS16228, 9SM, CPD, MBL, BDL
M-3222929	1	Cylinder Head Set	General Usage 8YF
M-7X7975	1	External Oil Pump	General Usage
M-2302167	1	Front Structure Set	1YN1-12844, 2KS1-17157, 9NS1-19832
M-2302529	1	Front Structure Set	1YN12845, 2KS17158, 9NS19833, CPD
M-4178843	1	Front Structure Set	General Usage MBL, BDL
M-2181801	1	Fuel System Set	General Usage
M-1349807	1	Oil Cooler & Lines Set	General Usage 1YN, 9NS
M-1933322	1	Oil Cooler & Lines Set	General Usage 2KS, 9SM, CPD
M-2434690	1	Oil Cooler & Lines Set	General Usage MBL, BDL
M-3166709	1	Oil Cooler & Lines Set	General Usage 8YF
M-7X7972	1	Rear Structure Set	9SM
M-2266620	1	Rear Structure Set	General Usage 1YN, 2KS, 8YF, 9NS, CPD, BDL
M-2245797	6	Single Fuel Injector Set	General Usage
M-2210859	1	Turbocharger Set	General Usage 1P451 Mounting Gasket
M-2210860	1	Turbocharger Set	General Usage 1S4295 Mounting Gasket
M-3206200	1	Turbocharger Set	General Usage 8YF
M-1473781	1	Water Pump Set	General Usage 1YN, 2KS, 9NS
M-3156714	1	Water Pump Set	General Usage 8YF, 9SM, CPD, MBL, BDL

SERIAL NUMBER LISTING

3406-C15

3406

ESN	Appl	Piston	Crown	Model/ESN	Note	Line	Page
92U	TRUCK	M-6N4080		3406/92U2954-Up	D.I.	16	13
		M-6N4126		3406/92U2954-Up	P.C.	17	13
		M-7N3509		3406/92U2954-Up	D.I.	16	13
		M-7N3633		3406/92U2954-Up	P.C.	17	13
		M-2900017		3406/92U2954-Up	D.I.	16	13

3406B

ESN	Appl	Piston	Crown	Model/ESN	Note	Line	Page
2EK	TRUCK	M-1601131		3406B/2EK1-512		16	13
		M-7E8656		3406B/2EK1-512		16	13
		M-7E8700		3406B/2EK1-512		16	13
2EK	TRUCK	M-1601131		3406B/2EK513-1930		16	13
		M-7E8656		3406B/2EK513-1930		16	13
		M-7E8700		3406B/2EK513-1930		16	13
3ZJ	TRUCK	M-7E539		3406B/3ZJ1-589		16	13
		M-7E8656		3406B/3ZJ1-2829		16	13
		M-7E8700		3406B/3ZJ1-2829		16	13
3ZJ	TRUCK	M-7E8656		3406B/3ZJ2830-16181		16	13
		M-7E8700		3406B/3ZJ2830-16181		16	13
4CK	TRUCK	M-1601131		3406B/4CK1-845		16	13
		M-7E8656		3406B/4CK1-845		16	13
		M-7E8700		3406B/4CK1-845		16	13
4MG	TRUCK	M-7C473		3406B/4MG1-3599	Use M-2900017 Full Sets	16	13
		M-7C3496		3406B/4MG1-3599	Use M-9Y3116 Full Sets	16	13
		M-2900017		3406B/4MG1-3599		16	13
4MG	TRUCK	M-7C3406		3406B/4MG3600-Up	Use M-9Y9889 Full Sets	16	13
		M-7C3496		3406B/4MG3600-Up	Use M-9Y3116 Full Sets	16	13
		M-7E539		3406B/4MG3600-Up		16	13
		M-7E8885		3406B/4MG3600-Up	Use M-9Y7212 Full Sets	16	13
		M-9Y7212		3406B/4MG3600-Up		16	13
		M-9Y9889		3406B/4MG3600-Up		16	13
		M-2900017		3406B/4MG3600-Up		16	13
5KJ	TRUCK	M-7C3406		3406B/5KJ1-7538	Use M-9Y9889 Full Sets	16	13
		M-7E539		3406B/5KJ1-7538		16	13
		M-7E8885		3406B/5KJ1-7538	Use M-9Y7212 Full Sets	16	13
		M-9Y9889		3406B/5KJ1-7538		16	13
		M-2900017		3406B/5KJ1-7538		16	13

SERIAL NUMBER LISTING

3406-C15

3406B

ESN	Appl	Piston	Crown	Model/ESN	Note	Line	Page
5KJ	TRUCK	M-7E539		3406B/7539-7799		16	13
		M-9Y9889		3406B/7539-7799		16	13
		M-2900017		3406B/7539-7799		16	13
7FB	TRUCK	M-7C473		3406B	Use M-2900017 Full Sets	16	13
		M-7C3496		3406B	Use M-9Y3116 Full Sets	16	13
		M-7W3668		3406B	Use M-9Y3116 Full Sets	16	13
		M-2900017		3406B		16	13
8TC	TRUCK	M-7C3496		3406B/8TC1-1412	Use M-9Y3116 Full Sets	16	13
		M-7C3406		3406B/8TC1413-Up	Use M-9Y9889 Full Sets	16	13
		M-7E539		3406B/8TC1413-Up		16	13
		M-9Y7212		3406B/8TC1413-Up		16	13
		M-9Y9889		3406B/8TC1413-Up		16	13
		M-2900017		3406B/8TC1413-Up		16	13

3406C

ESN	Appl	Piston	Crown	Model/ESN	Note	Line	Page
3ZJ	TRUCK	M-7E292		3406C/3ZJ16182-60112		15	13
		M-7E8656		3406C/3ZJ16182-60112		16	13
		M-7E8700		3406C/3ZJ16182-60112		16	13
		M-1007403		3406C/3ZJ16182-60112		100	13
		M-1010016		3406C/3ZJ16182-60112		15	13
3ZJ	TRUCK	M-7E539		3406C/3ZJ60113-Up		16	13
		M-1010016		3406C/3ZJ60113-Up		15	13
4CK	TRUCK	M-7E292		3406C/4CK846-Up		15	13
		M-7E8656		3406C/4CK846-Up		16	13
		M-7E8700		3406C/4CK846-Up		16	13
		M-1601131		3406C/4CK846-Up		16	13
5KJ	TRUCK	M-7E539		3406C/5KJ7800-Up		16	13
		M-9Y9889		3406C/5KJ7800-Up		16	13
		M-1601131		3406C/5KJ7800-Up		16	13
		M-2900017		3406C/5KJ7800-Up		16	13
8PN	TRUCK	M-1175063		3406C		15	13
			M-1381791	3406C		100	13

SERIAL NUMBER LISTING

3406-C15

3406E

ESN	Appl	Piston	Crown	ESN	Note	Line	Page
1LW	TRUCK		M-1807352			1	13
2WS	TRUCK		M-1807352			1	13
5DS	TRUCK		M-1398500			100	13
5EK	TRUCK	M-1082716				3	13
			M-7C2888			4	13
			M-1352837			5	13
			M-1365201			11	13
			M-1495566			6	13
6TS	TRUCK		M-1352837			5	13
			M-1365201			12	13
			M-1495566			6	13

C15

ESN	Appl	Piston	Crown	ESN	Note	Line	Page
6NZ	TRUCK		M-1807351			13	13
			M-1807352			2	13
9NZ	TRUCK		M-1807352			2	13
B5R	TRUCK	M-2485516		B5R1-352		7	13
		M-3307762		B5R351-Up		100	13
BXS	TRUCK	MCB3067460				8	13
EGH	TRUCK		M-2212305			9	13
JEP	TRUCK	M-2485516		JEP1-228		7	13
		M-3307762		JEP229-Up		14	13
KRA	TRUCK	MCB3067460		KRA1-4714		8	13
		M-3259492		KRA4715-Up		14	13
MBN	TRUCK		M-2250115			10	13
MXS	TRUCK	MCB3067460				8	13
		M-2485516			High HP 600 & Up	7	13
NXS	TRUCK	MCB3067460				8	13
		M-2485516			High HP 600 & Up	7	13
		M-3259492				14	13
RKS	TRUCK	MCB3067460				8	13
SDP	TRUCK	MCB3067460				8	13
		M-2485516			High HP 600 & Up	7	13
		M-3259492				14	13
		M-3307762				100	13
TRB	TRUCK	M-3307762		TRB10-Up		14	13

ENGINE KIT LISTING

3406-C15



ENGINE KITS

Line	Inframe Kit	Overhaul Kit	Cylinder Kit	Ref#	Inframe Set	Overhaul Set
1	MCIF1807352	MCOH1807352	M-CK1807352P	0R8915	MCB3406472	MCB3406471
2	MCIF1807352-C15	MCOH1807352-C15	M-CK1807352P	0R8915	MCBC15112	MCBC15111
3	MCIF1082716	MCOH1082716	M-CK1082716P	N/A	MCB3406462	MCB3406461
4	MCIF7C2888	MCOH7C2888	M-CK7C2888P	0R8333	MCB3406462	MCB3406461
5	MCIF1352837	MCOH1352837	M-CK1352837P	10R9554	MCB3406472	MCB3406471
6	MCIF1495566	MCOH1495566	M-CK1495566P	0R8913	MCB3406472	MCB3406471
7	MCIF2485516	MCOH2485516	M-CK2485516P	10R9924	MCBC15212	MCBC15211
8	MCIF3067460	MCOH3067460	M-CK3067460P	10R9923	MCBC15212	MCBC15211
9	MCIF2212305	MCOH2212305	M-CK2212305P	N/A	MCBC15092	MCBC15091
10	MCIF2250115-C15	MCOH2250115-C15	M-CK2250115P	10R9345	MCBC15212	MCBC15211
11	MCIF3406E	MCOH3406E	N/A	N/A	use ESN	use ESN
12	MCIF3406E-S	MCOH3406E-S	N/A	N/A	use ESN	use ESN
13	MCIFC15E-S	MCOHC15E-S	N/A	N/A	MCBC15092	MCBC15091
14	MCIFC15E1	MCOHC15E1	N/A	N/A	MCBC15212	MCBC15211
15	MCIF3406BP	MCOH3406BP	use ESN	use ESN	use ESN	use ESN
16	MCIF3406SP	MCOH3406SP	use ESN	use ESN	use ESN	use ESN
17	MCIF3406PC	MCOH3406PC	use ESN	use ESN	use ESN	use ESN
100	Components Available (except Pistons, Crowns and Skirts)					

3406 A/B/C PARTS LISTING

CYLINDER COMPONENTS

Part #	Quantity	Description	Comment
M-6N4080	6	Piston Body	D.I.
M-6N4126	6	Piston Body	P.C.
M-7E292	6	Piston Body	Ref# 0R3757
M-7E539	6	Piston Body	Ref# 0R2975
M-7E8656	6	Piston Body	Ref# 0R3783
M-7E8700	6	Piston Body	Ref# 0R3782
M-7N3509	6	Piston Body	Ref# 0R2693
M-7N3633	6	Piston Body	Ref# 0R1570 - P.C.
M-9Y7212	6	Piston Body	Ref# 0R2862
M-9Y9889	6	Piston Body	Ref# 0R2861
M-1010016	6	Piston Body	Ref# 0R4281
M-1175063	6	Piston Body	
M-1601131	6	Piston Body	Ref# 0R4178
M-2900017	6	Piston Body	Ref# 0R4515
M-8N822	6	Ring Set	
M-1W8922	6	Ring Set	
M-7N9806	6	Piston Pin	
M-7N9807	6	Piston Pin	
M-8N1608	6	Piston Pin	
M-1687246	6	Piston Pin	
M-3F8513	12	Pin Retainer	
M-7E1177	12	Pin Retainer	
M-7E5665	12	Pin Retainer	
M-1979322	6	Cylinder Liner	
M-1609874	6	Gasket Set - Liner Packing	
M-9Y3368	AR	Liner Insert - Stainless	.0324"
M-2W3815	AR	Liner Insert - Stainless	.0632"
M-7W4990	6	Jet Assy. - Piston Cooling	

3406 A/B/C PARTS LISTING

ENGINE BEARINGS

Part #	Quantity	Description	Comment
M-9Y9497G	6	Rod Bearing STD	Grooved Narrow Journal
M-9Y9497.010	6	Rod Bearing .010"	Narrow Journal
M-4W5702	6	Rod Bearing .025"	Narrow Journal
M-4W5703	6	Rod Bearing .050"	Narrow Journal
M-9Y7735G	6	Rod Bearing STD	Grooved Wide Journal
M-9Y7735.010	6	Rod Bearing .010"	Wide Journal
M-7E0558	6	Rod Bearing .025"	Wide Journal
M-7E0559	6	Rod Bearing .050"	Wide Journal
M-3178766	7	Main Bearing STD	
M-4W5492.010	7	Main Bearing .010"	
M-4W5698	7	Main Bearing .025"	
M-4W5699	7	Main Bearing .050"	
M-2531752	2	Thrust Washers	
M-8N705	6	Rod Bushing	Straight Rod
M-8N706	6	Rod Bushing	Narrow Taper
M-8N2018	6	Rod Bushing	Wide Taper
M-4P8495	6	Rod Bushing	Side Relief
M-6I2726	6	Rod Bushing	Big Pin
M-4N685	6	Camshaft Bushing	
M-4N6658	1	Camshaft Bushing	
M-1317123	1	Idler Gear Bushing	

CRANKSHAFT SEALS & DAMPER

Part #	Quantity	Description	Comment
M-7C4859	1	Crankshaft	Minus Gear
M-6I1453	1	Crankshaft - Wide Bearing	Minus Gear
M-1425867	1	Front Crankshaft Seal	
M-1425868	1	Rear Crankshaft Seal	
M-1678126	1	Vibration Damper	

3406 A/B/C PARTS LISTING

CYLINDER HEAD COMPONENTS

Part #	Quantity	Description	Comment
M-1152368	12	Valve - Intake	
M-1152367	12	Valve - Exhaust	
M-2A4429	48	Valve Lock	
M-4N5893	12	Intake Seat	
M-1W5283	12	Exhaust Seat	
M-1737188	24	Valve Guide	
M-1227374	24	Valve Guide	Machined for Stem Seal
M-1632478	24	Valve Stem Seal	
M-6N7175	24	Rotocoil - Single Spring	Includes M-6N7174 Shield
M-6N7174	24	Rotocoil Shield	
M-4W2474	24	Rotocoil - Double Spring	B & C
M-4N5906	24	Valve Spring	Single Spring
M-4W2472	24	Valve Spring - Inner	Dual Spring
M-4W2471	24	Valve Spring - Outer	Dual Spring
M-4W2473	24	Valve Spring Seat	Dual Spring
M-1006920	6	Nozzle Adapter	40mm (verify with ESN)
M-8M5249	6	Nozzle Adapter Seal Ring	40mm (verify with ESN)
M-7W5435	6	Nozzle Adapter	40mm (verify with ESN)
M-5H7153	6	Nozzle Adapter Seal Ring	40mm (verify with ESN)
M-4N7253	6	Nozzle Adapter Gasket	40mm
M-2S2251	6	Nozzle Adapter Seal Ring	55mm
M-6I2981	1	Spacer Plate	
M-2M6471	1	Cup Plug	1.5"
M-3B623	10	Cup Plug	1"
M-3B645	12	Cup Plug	1.25"
M-5P5678-6	1	Valve Cover Gasket	
M-5P5678-9	1	Valve Cover Gasket	Engine Brake equipped

CAMSHAFT & LIFTERS

Part #	Quantity	Description	Comment
M-1007408	1	Camshaft	Minus Gear ref. 0R3787
M-1017788	12	Valve Lifter Assembly	
M-4W3817	12	Lifter Repair Kit	Roller, Pin and Lock
M-3056843	12	Lifter Guide Spring	

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.

3406 A/B/C PARTS LISTING

FUEL SYSTEM

Part #	Quantity	Description	Comment
M-9L6884	6	Fuel Nozzle - Capsule	D.I.
M-9N3246	6	Fuel Nozzle - Capsule	
M-4W7017	6	Fuel Nozzle - 7000 Series	R-0R3421 (Reman)
M-4W7018	6	Fuel Nozzle - 7000 Series	R-0R3422 (Reman)
M-4W7022	6	Fuel Nozzle - 7000 Series	R-0R3426 (Reman)
M-7W7026	6	Fuel Nozzle - 7000 Series	R-0R3423 (Reman)
M-7W7032	6	Fuel Nozzle - 7000 Series	R-0R3424 (Reman)
M-7W7037	6	Fuel Nozzle - 7000 Series	R-0R3425 (Reman)
M-7W7040	6	Fuel Nozzle - 7000 Series	R-0R3586 (Reman)
M-7W7041	6	Fuel Nozzle - 7000 Series	R-0R3587 (Reman)
M-7W7042	6	Fuel Nozzle - 7000 Series	R-0R3588 (Reman)
M-7W7043	6	Fuel Nozzle - 7000 Series	R-0R3589 (Reman)
M-7W7044	6	Fuel Nozzle - 7000 Series	R-0R3590 (Reman)
M-1007551	6	Fuel Nozzle - 7000 Series	R-0R4335 (Reman)
M-1007556	6	Fuel Nozzle - 7000 Series	R-0R4337 (Reman)
M-1007557	6	Fuel Nozzle - 7000 Series	R-0R4338 (Reman)
M-1007558	6	Fuel Nozzle - 7000 Series	R-0R4339 (Reman)
M-1279792	6	Fuel Nozzle - 7000 Series	R-0R8289 (Reman)
M-1279793	6	Fuel Nozzle - 7000 Series	R-0R8290 (Reman)
M-1311243	6	Fuel Nozzle - 7000 Series	R-0R8243 (Reman)
MCBKT7000	AR	Nozzle Seal Kit - 7000 Series	
MCB3406A	1	Injection Pump Overhaul Kit	Gaskets & Seals 3406A
MCB3406B	1	Injection Pump Overhaul Kit	Gaskets & Seals 3406B
MCB3406C	1	Injection Pump Overhaul Kit	Gaskets & Seals 3406C
MCB3406BPM	1	Injection Pump Mounting Kit	
M-1W1700	1	Fuel Transfer Pump	Ref# 0R3008
MCB22240	1	O/H Kit Fuel Transfer Pump	
M-1052508	1	Fuel Priming Pump	Short
M-1375541	1	Fuel Priming Pump	Tall
M-1P436	1	Fuel Priming Pump Gasket	
MCB34062	1	Fuel Ratio Repair Kit	
M-1W9168	AR	Fuel Line Clamp	
M-1W9169	AR	Fuel Line Clamp	Threaded

3406 A/B/C PARTS LISTING

FUEL INJECTION LINES

Model	Line #1	Line #2	Line #3	Line #4	Line #5	Line #6
3406	M-4N9971	M-4N9972	M-4N9973	M-4N9974	M-4N9975	M-4N9976
3406	M-9Y1081	M-9Y1082	M-9Y1083	M-9Y1084	M-9Y1085	M-9Y1086
3406B/C	M-1917941	M-1917942	M-1917943	M-1917944	M-1917945	M-1917946

LUBRICATION SYSTEM

Part #	Quantity	Description	Comment
M-7C3039	1	Cooler Core	Ref# 0R5511
M-1090077	2	Seal O-Ring	
M-4N733	1	Oil Pump	Ref# 0R9448
M-6N1931	1	Relief Plunger	
M-2S2760	1	Plunger Spring	
MCB3400RK	1	Oil Pump Rebuild Kit	Use on 4N733 Pump
M-6N2985	1	Oil Filler Cap	
M-0S1588	40	Oil Pan Bolt	
M-5M2894	40	Washer	
M-4N1151	AR	Oil Pan Gasket	Puzzle Style
M-4N1151-6	AR	Oil Pan Gasket	One Piece Style



3406 A/B/C PARTS LISTING

COOLING SYSTEM

Part #	Quantity	Description	Comment
M-1209453	1	Regulator	170°
M-2485513	1	Regulator	180°
M-2477133	1	Regulator	190°
M-3S9643	1	Regulator Seal	
M-4N1156	2	Gasket	
M-7C307	1	Gasket	
M-1354926	1	Water Pump	Ref. 10R482 (Reman)
M-1282922	1	Water Pump Mounting Gasket	
M-7C9222	1	Water Pump Adaptor Plate	Aluminum
M-4P2383	1	Water Pump Adaptor Plate	Cast Iron
M-1279885	1**	Water Pump Rebuild Kit	
M-1293068	1**	Water Pump Rebuild Kit	Ball Bearing
M-1293069	1**	Water Pump Rebuild Kit	Roller Bearing
M-1386744	1**	Water Pump Rebuild Kit	Roller Bearing & Unitized Seal
M-8H9789	2	Fan Hub Bearing	
M-5S2106	1	Fan Hub Seal	
M-7F2122	1	Fan Hub O-Ring Seal	

**Note: Match to pump via serial # & arrangement.



3406 A/B/C PARTS LISTING

EXHAUST SYSTEM

Part #	Quantity	Description	Comment
MCB3406SK	1	Stud Kit	3406A/B
MCB3406ESK	1	Stud Kit	3406C
M-6L8562	1	Exhaust Manifold Stud - 1.77"	3406A/B
M-7L520	1	Exhaust Manifold Stud - 2"	
M-8M1871	1	Exhaust Manifold Stud - 2.4"	
M-4S6137	11	Exhaust Manifold Stud - 3.1"	
M-1061793	1	Exhaust Manifold Stud - 2.36"	3406C
M-1061792	11	Exhaust Manifold Stud - 4"	
M-2S3770	11	Spacer - 1.32"	3406A
M-1083612	11	Spacer - 2"	3406B
M-2S3770	1	Spacer - 1.32"	
M-1064159	1	Spacer - .532"	3406C
M-1083612	11	Spacer - 2"	
M-2N2766	12	Locknut	
M-5M2894	12	Hard Washer	
M-2N2765	4	Turbo Mounting Bolt	High Temperature
M-2N2766	4	Turbo Mounting Locknut	

GASKET SETS - MCBEE CUSTOM

Part #	Quantity	Description	Comment
MCB3406031	1	Overhaul Gasket Set	92U5944-Up
MCB3406032	1	In-Chassis Gasket Set	
MCB3406033	1	Cylinder Head Set	
MCB3406051	1	Overhaul Gasket Set	3406B JWAC
MCB3406052	1	In-Chassis Gasket Set	
MCB3406053	1	Cylinder Head Set	
MCB3406061	1	Overhaul Gasket Set	3406B ATAAC
MCB3406062	1	In-Chassis Gasket Set	
MCB3406063	1	Cylinder Head Set	
MCB3406111	1	Overhaul Gasket Set	3406C 19-bolt Flywheel Housing
MCB3406112	1	In-Chassis Gasket Set	
MCB3406113	1	Cylinder Head Set	
MCB3406271	1	Overhaul Gasket Set	3406C round Exhaust Ports 24-bolt Flywheel Housing
MCB3406272	1	In-Chassis Gasket Set	3406C round Exhaust Ports 24-bolt Flywheel Housing
MCB3406273	1	Cylinder Head Set	

Note: Injector O-Rings included in all McBEE Custom Gasket Sets.

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.

3406 A/B/C PARTS LISTING

GASKET SETS - MODULAR

Part #	Quantity	Description	Comment
M-1909861	1	Aftercooler & Lines Set	3406A General Usage
M-6V851	1	Air Compressor Set	
M-5P8108	1	Central & Lower Set	
M-2337083	1	Front Structure Set	
M-6V5497	1	Fuel System Set	
M-1144787	1	Oil Cooler Set	
M-2326574	1	Rear Structure Set	
M-1601113	1	Turbocharger Installation Set	
M-5P8059	1	Water Lines Set	
M-1282922	1	Water Pump Installation Set	
M-1909861	1	Aftercooler & Lines Set	3406B JWAC General Usage
M-6V9896	1	Air Compressor Set	
M-8T6678	1	Central & Lower Set	
M-2341874	1	Front Structure Set	
M-8T6692	1	Fuel System Set	
M-1153657	1	Oil Cooler Set	
M-2326574	1	Rear Structure Set	
M-6V9727	1	Turbocharger Installation Set	
M-1282922	1	Water Pump Installation Set	
M-6V9896	1	Air Compressor Set	3406B ATAAC General Usage
M-8T6678	1	Central & Lower Set	
M-2341874	1	Front Structure Set	
M-7X2754	1	Fuel System Set	
M-1153657	1	Oil Cooler Set	
M-2326574	1	Rear Structure Set	
M-8C3248	1	Turbocharger Installation Set	
M-1282922	1	Water Pump Installation Set	
M-1243005	1	Air Compressor Set	3406C General Usage
M-1269520	1	Central & Lower Set	
M-2341874	1	Front Structure Set	
M-1228900	1	Fuel System Set	
M-1415787	1	Oil Cooler Set	
M-2323679	1	Rear Structure Set	
M-1134421	1	Turbocharger Installation Set	
M-1282922	1	Water Pump Installation Set	

3406E/C15 PARTS LISTING

CYLINDER COMPONENTS

Part #	Quantity		Description	Comment
	3406E	C15		
M-1082716	6		Piston	1 pc Aluminum < 410 HP
M-2485516		6	Piston	
M-3307762		6	Piston	
M-3259492		6	Piston	
MCB3067460		6	Piston	1pc Steel Piston
M-7C2888	6		Piston Crown	
M-1495566	6		Piston Crown	
M-1352837	6		Piston Crown	
M-2212305	6		Piston Crown	
M-1807352	6	6	Piston Crown	
M-2250115		6	Piston Crown	
M-1365201	6		Piston Crown	
M-1495566	6		Piston Crown	
M-1807351		6	Piston Crown	
M-1300241	6		Piston Skirt	
M-1326663		6	Piston Skirt	
M-1W8922	6		Ring Set	
M-RS3406E1	6		Ring Set	
M-RS3406E2	6	6	Ring Set	
M-RSC15E		6	Ring Set	
M-1687246	6	6	Piston Pin	
M-1807350		6	Piston Pin	
M-7E1177	12	12	Pin Retainers	
M-2502940		12	Pin Retainers	
M-1979322	6	6	Cylinder Liner	
M-1609874	6	6	Cylinder Liner O-Ring Kit	
M-9Y3368	AR	AR	Liner Insert - Stainless	.0324"
M-2W3815	AR	AR	Liner Insert - Stainless	.0632"
M-2243245		6	Connecting Rod	Ref# 10R2117 (4 Bolt)
M-9Y6054	6		Connecting Rod	Ref# 0R3780

3406E/C15 PARTS LISTING

ENGINE BEARINGS

Part #	Quantity		Description	Comment
	3406E	C15		
M-9Y7735G	6	6	Rod Bearing STD	Grooved Wide Journal
M-2243246		6	Rod Bearing STD	1pc Steel Piston
M-9Y7735.010	6	6	Rod Bearing .010"	
M-7E558	6	6	Rod Bearing .025"	
M-2323235		6	Rod Bearing .025"	1pc Steel Piston
M-7E559	6	6	Rod Bearing .050"	
M-2323236		6	Rod Bearing .050"	1pc Steel Piston
M-3178766	7	7	Main Bearing STD	
M-4W5492.010	7	7	Main Bearing .010"	
M-4W5698	7	7	Main Bearing .025"	
M-4W5699	7	7	Main Bearing .050"	
M-2531752	2	2	Thrust Washer	
M-2436718	1	1	Main Bearing Kit	Shells & Thrust Plates
M-6I2726	6		Rod Bushing	
M-2296259		6	Rod Bushing	1pc Steel Piston
M-2165582	7	7	Camshaft Bearing STD	
M-1504793	7	7	Camshaft Bearing .010"	
M-2170752	7	7	Camshaft Bearing .030"	
M-2613430	7	7	Camshaft Bearing .050"	
M-2613429	7	7	Camshaft Bearing .070"	
M-1317123	1	1	Idler Gear Bushing	

CRANKSHAFT SEALS & DAMPER

Part #	Qty		Description	Comment
	3406E	C15		
M-6I1453	1		Crankshaft	Bare
M-1425867	1	1	Front Crankshaft Seal	
M-1425868	1	1	Rear Crankshaft Seal	
M-1678126	1	1	Vibration Damper	13.5" O.D.

3406E/C15 PARTS LISTING

CYLINDER HEAD COMPONENTS

Part #	Quantity		Description	Comment
	3406E	C15		
M-1537023	12	12	Valve - Intake	
M-1753617	12	12	Intake Seat	
M-2243983		12	Intake Seat	
M-1537024	12	12	Valve - Exhaust	
M-1527582	12	12	Exhaust Seat	
M-2265561		12	Exhaust Seat	
M-2A4429	48	48	Valve Lock	
M-3487743	12	12	Valve Bridge	
M-1227375	24	24	Valve Guide	
M-1632478	24	24	Valve Stem Seal	
M-2113122	24	24	Inner Spring	
M-2479908	24	24	Outer Spring	
M-6I0928	24	24	Washer - Spring Seat	
M-1862001	24	24	Rotocoil	
M-2274239	6	6	Injector Sleeve	
M-2634920		6	Injector Sleeve	
M-2274239ORK	6	6	Injector Sleeve O-Ring Kit	

CYLINDER HEAD HARDWARE

Part #	Quantity		Description	Comment
	3406E	C15		
MCBC15HBK	1	1	Head Bolt Kit	Bolts & washers
M-1241854	10	10	Head Bolt	215.9mm (8.5")
M-1241855	16	16	Head Bolt	194mm (7.6")
M-5H1504	26	26	Washer Hard	
M-3078322	3	3	Rocker Shaft Assembly	
M-1670867	12	12	Bolt-Engine Brake Mounting	5.75"
M-2349508		3	Bolt-Engine Brake Actuator	
MCB7121	6	6	Injector Rocker Arm Bushing	Non-ACERT only
MCB7122	6	6	Valve Rocker Arm Bushing	Non-ACERT only
M-2038822PR	12	12	Pin and Roller Kit, Valve	Non-ACERT only
M-2075248PR	6	6	Pin and Roller Kit, Injector	Non-ACERT only
M-2818261	6	6	Exhaust Sleeve	
M-2818261RK	6	6	Exhaust Sleeve Repair Kit	Includes Gaskets and Rivets
M-6I4421	1	1	Spacer Plate	
M-1389381	1	1	Spacer Plate - Undersized	.003" undersize
M-5P5678-6	1	1	Valve Cover Gasket	
M-5P5678-9	1	1	Valve Cover Gasket	Engine Brake Equipped
M-3B645	20		Plug - Cup	
M-3B623	17		Plug - Cup	

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.

3406E/C15 PARTS LISTING

***Refer to ESN and Arrangement for proper injector selection

FUEL SYSTEM

Part #	Quantity		Description	Comment
	3406E	C15		
R-10R0956	6		Fuel Injector - Reman	Ref# 1189027 (NEW)
R-10R0956	6		Fuel Injector - Reman	Ref# 2113022 (NEW)
R-10R2780	6		Fuel Injector - Reman	Ref# 1189035 (NEW)
R-10R8501	6	6	Fuel Injector - Reman	Ref# 2113023 (NEW)
R-10R0956	6	6	Fuel Injector - Reman	Ref# 2113022 (NEW)
R-10R0955		6	Fuel Injector - Reman	Ref# 2113025 (NEW)
R-10R1000		6	Fuel Injector - Reman	Ref# 2295919 (NEW)
R-10R6163		6	Fuel Injector - Reman	Ref# 2943005 (NEW)
R-10R1273		6	Fuel Injector - Reman	Ref# 2321199 (NEW)
R-10R3261		6	Fuel Injector - Reman	Ref# 2490702 (NEW)
R-10R1273		6	Fuel Injector - Reman	Ref# 2490709 (NEW)
R-10R3265		6	Fuel Injector - Reman	Ref# 2530616 (NEW)
M-2481394	6	6	Injector O-Ring Kit	
M-1052508	1	1	Priming Pump	Short
M-1375541	1	1	Priming Pump - Hi Cap	Tall

LUBRICATION SYSTEM

Part #	Quantity		Description	Comment
	3406E	C15		
M-1330125	1	1	Oil Cooler Core	
M-2237962		1	Oil Cooler Core	ACERT
M-1090077	3	3	Seal O-Ring	
M-4N733	1		Oil Pump	Ref# 0R9448 (verify with ESN)
M-6N1931	1		Relief Plunger	
M-2S2760	1		Plunger Spring	
M-1614113	1	1	Oil Pump	Ref# 0R9449
M-6N1931	1	1	Relief Plunger	
M-2S2760	1	1	Plunger Spring	
MCB3400RK	1		Oil Pump Rebuild Kit	Use on 4N733 Pump
M-684497	1		Oil Filler Cap	
M-9L8439	1		Oil Filler Cap	
M-5L2952		1	Oil Filler Cap	
M-4N1151	AR	AR	Oil Pan Gasket	Puzzle Style
M-4N1151-6	AR	AR	Oil Pan Gasket	One Piece Style
M-1685248		1	Oil Pan Isolator	
M-3044925		1	Oil Pan Isolator	ESN=SDP
M-0S1619		8	Bolt - (3/8-16 X 3")	Sound Protection Panel
M-0L2070		24	Bolt (3/8-16 X 2.25")	Standard Oil Pan
M-9L9132		24	Washer	Standard Oil Pan
M-2401614		24	Isolator Sleeve	Standard Oil Pan

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.

3406E/C15 PARTS LISTING

COOLING SYSTEM

Part #	Quantity		Description	Comment
	3406E	C15		
M-1209453	1	1	Regulator	170°
M-2485513	1	1	Regulator	180°
M-2477133	1	1	Regulator	190°
M-3S9643	1	1	Regulator Seal	
M-1354925	1		Water Pump	Ref# 10R0483
M-1615719		1	Water Pump	Ref# 10R0484
M-3362213		1	Water Pump	Ref# 10R8660
M-7C9222	1	1	Water Pump Adaptor Plate	Aluminum - Non-ACERT
M-4P2383	1	1	Water Pump Adaptor Plate	Cast Iron - Non-ACERT
M-1293068	1		Water Pump Rebuild Kit	
M-1293069	1		Water Pump Rebuild Kit	
M-3777037	1	1	Water Pump Rebuild Kit	
M-2672839		1	Water Pump Rebuild Kit	ACERT
M-8H9789	2	2	Fan Hub Bearing	
M-5S2106	1	1	Fan Hub Seal	
M-7F2122	1	1	Fan Hub O-Ring Seal	
M-8T0644		1	Bolt-Belt Tensioner	General Usage

EXHAUST SYSTEM

Part #	Quantity		Description	Comment
	3406E	C15		
MCB3406EHKT	1	1	Exhaust Hardware Kit	Complete with Port Sleeves
MCBC15HKT		1	Exhaust Hardware Kit	Complete with Port Sleeves
MCB3406ESK	1		Exhaust Stud Kit	Studs, Spacers & Nuts
MCBC15ESK		1	Exhaust Stud Kit	Studs, Spacers & Nuts
M-1061793	1	1	Exhaust Manifold Stud - 2.36"	
M-1061792	11	11	Exhaust Manifold Stud - 4"	
M-1064159	1	1	Spacer - .532"	
M-1083612	11	11	Spacer - 2"	
M-2N2766	12	12	Locknut	
M-1687800	12		Locknut	
M-5M2894	12	12	Hard Washer	
M-2818261	6	6	Exhaust Sleeve	
M-2818261RK	6	6	Exhaust Sleeve Repair Kit	Includes Gaskets and Rivets
M-2N2765	4	4	Turbo Mounting Bolt	
M-2N2766	4	4	Turbo Mounting Locknut	
M-3139550		4	Turbo Mounting Stud	ACERT
M-2N9288		4	Turbo Mounting Stud	ACERT
M-1687800		4	Turbo Mounting Locknut	ACERT

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.

3406E/C15 PARTS LISTING

SENSORS

Part #	Quantity		Description	Comment
	3406E	C15		
M-1946722	AR	AR	Sensor - Pressure	
M-1946724	AR	AR	Sensor - Pressure	
M-1946725	AR	AR	Sensor - Pressure	
M-2244536	AR	AR	Sensor - Pressure	
M-2566453	AR	AR	Sensor - Temperature	
M-2644297	AR	AR	Sensor - Temperature	
M-2842728	AR	AR	Sensor - Pressure	

GASKET SETS - MCBEE CUSTOM

Part #	Quantity		Description	Comment
	3406E	C15		
MCB3406461	1		Overhaul Gasket Set	5EK
MCB3406462	1		In-Chassis Gasket Set	
MCB3406463	1		Cylinder Head Gasket Set	
MCB3406471	1		Overhaul Gasket Set	1LW,1MM,2WS,5DS,6TS
MCB3406472	1		In-Chassis Gasket Set	
MCB3406473	1		Cylinder Head Gasket Set	
MCBC15091		1	Overhaul Gasket Set	6NZ,9NZ,MBN **Contains M-1685248 Oil Pan Isolator
MCBC15111		1	Overhaul Gasket Set**	
MCBC15092		1	In-Chassis Gasket Set	
MCBC15112		1	In-Chassis Gasket Set**	
MCBC15093		1	Cylinder Head Gasket Set	
MCBC15211		1	Overhaul Gasket Set**	BXS,MXS,NXS **Contains M-1685248 Oil Pan Isolator
MCBC15212		1	In-Chassis Gasket Set**	
MCBC15222		1	In-Chassis Gasket Set	
MCBC15213		1	Cylinder Head Gasket Set	
MCBC15321		1	Overhaul Gasket Set**	SDP **Contains M-3044925 Isolation Seal ONLY
MCBC15322		1	In-Chassis Gasket Set**	
MCBC15323		1	Cylinder Head Gasket Set	
MCBC15993	1	1	Cylinder Head Gasket Set	Universal Set - Does Not contain Valve Stem Seals

Note: Injector O-Rings included in all McBEE Custom Gasket Sets.

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.

3406E/C15 PARTS LISTING

GASKET SETS - MODULAR

Part #	Quantity	Description	Comment
M-2088350	1	Air Compressor Set	3406E General Usage
M-1429672	1	Central & Lower Set	
M-3766577	1	Front Structure Set	
M-2481394	6	Fuel Injector Set	
M-1252107	1	Fuel System Set	
M-1415787	1	Oil Cooler Set	
M-2323679	1	Rear Structure Set	
M-2410825	1	Turbocharger Installation Set	
M-1282922	1	Water Pump Installation Set	
M-2088350	1	Air Compressor Set	C15 General Usage
M-2572756	1	Central & Lower Set	
M-2341904	1	Front Structure Set	
M-2481394	6	Fuel Injector Set	
M-2250773	1	Fuel System Set	
M-1891814	1	Oil Cooler Set	
M-2341877	1	Rear Structure Set	
M-2410825	1	Turbocharger Installation Set	
M-2138621	1	Water Pump Installation Set	
M-2800481	1	Air Compressor Set	C15 ACERT General Usage
M-2969949	1	Central & Lower Set	
M-3483681	1	Front Structure Set	
M-2481394	6	Fuel Injector Set	
M-2969932	1	Fuel System Set	
M-3483682	1	Oil Cooler Set	
M-2853200	1	Rear Structure Set	
M-2903986	1	Turbocharger Installation Set	
M-2997436	1	Water Pump Installation Set	

NOTES

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

Interstate-McBee, LLC LIMITED General Products Warranty

- All Fuel Injection, New & Remanufactured
- Engine Management Systems & Components

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 (unlimited miles and hours), 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-McBee on a no-charge basis. In no event shall this warranty extend beyond twenty four (24) 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. Copies of all work orders and invoices for repairs to the engine must accompany the claim. Additionally, on electronically controlled engines a complete Electronic Control Module (ECM) report (Extraction, Download) must also accompany the claim. ALL CLAIMS MUST BE FILED ONLINE AT WWW.INTERSTATE-MCBEE.COM.

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; over-speeding; lack of maintenance of lubricating system, coolant or air intake systems; improper storage, or starting. 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 (twenty four (24) 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.

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.

INTERSTATE-MCBEE, LLC 4901 LAKESIDE AVENUE, CLEVELAND, OHIO 44114-3996

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

Interstate-McBee, LLC LIMITED Extended Warranty
• Engine Parts

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 twenty four (24) months from the date of installation with the exception of valve train components which are warranted for 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.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts, labor and fluids 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 but not to exceed published flat rates times at 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. Additionally, a complete Electronic Control Module report must accompany the claim. 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. Copies of all work orders and invoices for repairs to the engine must accompany the claim. 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. ALL CLAIMS MUST BE FILED ONLINE AT WWW.INTERSTATE-MCBEE.COM

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 trademark of another company. These parts are warranted by their manufacturers and not Interstate-McBee.. In no event shall this warranty extend beyond (36) 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

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 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.

INTERSTATE-MCBEE L.L.C, 4901 LAKESIDE AVENUE, CLEVELAND, OHIO 44114-3996

Rev.: G Date: 3/13/14 Policy No.: Q-POL-82-0159

U.S.A. Presidential Award



For Excellence in Export



INTERSTATE-McBEE



OHIO

5300 Lakeside Avenue
Cleveland, OH 44114 U.S.A.

Tel: 216-881-0015

FAX: 216-881-0805

E-mail: sales@interstate-mcbee.com

CALIFORNIA

13137 Arctic Circle
Santa Fe Springs, CA 90670 U.S.A.

Tel: 562-356-5414

FAX: 562-926-2452

FLORIDA

9955 NW 58th Street
Doral, FL 33178 U.S.A.

Tel: 305-863-6650

FAX: 305-863-6272

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



INTERSTATE-McBEE



New Replacement Parts for CUMMINS® Natural Gas/ CATERPILLAR® Spark Ignited ENGINES

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

INTERSTATE-McBEE, LLC

5300 Lakeside Avenue • Cleveland, Ohio 44114 U.S.A.

216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805

www.interstate-mcbee.com • E-mail: sales@interstate-mcbee.com

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

® CUMMINS is a registered trademark of Cummins, Inc.

® Caterpillar and CAT are registered trademarks of Caterpillar, Inc.

REPLACEMENT PARTS FOR CUMMINS® NATURAL GAS ENGINES



INDEX

CUMMINS®

G12/G855.....	4-9
Camshaft & Followers	7
Cooling System	8
Crankshaft Seals	6
Crankshaft & Damper	7
Cylinder Components	5
Cylinder Head Components - G12	7
Cylinder Head Components - G855	8
Engine Bearings	6
Engine Kits	4
Gasket Listing	9
Gasket Sets	4
Lubrication System	8
L10G.....	10-13
Camshaft Followers	11
Cooling System	12
Crankshaft & Accessory Drive Seals	11
Cylinder Components	10
Cylinder Head Components	12
Engine Bearings	11
Engine Kits	10
Gasket Listing	13
Gasket Sets	10
Lubrication System	12
GTA8.3/C8.3G.....	14-17
Cam Follower & Push Rod	15
Cooling System	16
Crankshaft & Seals	15
Cylinder Components	14
Cylinder Head Components	16
Engine Bearings	15
Engine Kits	14
Gasket Listing	17
Gasket Sets	14
Gear Housing	15
Lubrication System	16
GTA5.9 B5.9G GBT5.9.....	18-23
Camshaft & Tappet	20
Cooling System	22
Crankshaft & Seals	20
Cylinder Components	18-19
Cylinder Head Components - G/GTA5. Industrial	21
Cylinder Head Components - G5.9G Automotive	21
Cylinder Head Components - G6BT5.9 Plus / Int'l	22
Engine Bearings	19
Gasket Listing	23
Gasket Sets & Kits	20
Gear Housing	20
Lubrication System	22

CATERPILLAR®

G3520.....	25-27
Cooling System	27
Cylinder Components	25
Cylinder Head Components - Serial #GET, BGW	26
Cylinder Head Components - Serial #GLF, CWD, GZP	26
Engine Bearings	25
Gasket Listing	27
Gasket Sets	25
G3500.....	28-31
Cooling System	31
Cylinder Components	28
Cylinder Head Components - Landfill (Quiescent) Heads	30
Cylinder Head Components - Landfill (Swirl) Heads	31
Cylinder Head Components - Standard (Quiescent) Heads - Wet Manifold	29
Cylinder Head Components - Standard (Swirl) Heads - Dry Manifold	30
Engine Bearings	29
Gasket Listing	31
Gasket Sets	28
6.25" BORE.....	32-37
Cooling System	37
Crankshaft Seals & Damper	35
Cylinder Components	32
Cylinder Head Components - 3/8" Valve Stems	36
Engine Bearings	34-35
Gasket Listing	37
Gasket Sets	32-34
Lubrication System	36
Turbocharger	37
G342.....	38-40
Cooling System	40
Crankshaft Seals	39
Cylinder Components	38
Cylinder Head Components - 3/8" Valve Stems	39
Cylinder Head Components - 1/2" Valve Stems	40
Engine Bearings	39
Gasket Listing	40
Gasket Sets	38
Turbocharger	40
G3400.....	41-45
Cooling System	44
Crankshaft & Damper	43
Cylinder Components	41
Cylinder Head Components	43
Engine Bearings	42
Gasket Listing	45
Gasket Sets	41-42
Lubrication System	43
Turbocharger	44-45
G3300.....	46-50
Camshaft	48
Cooling System	50
Crankshaft & Damper	48
Cylinder Components	46
Cylinder Head Components - 37Y1-1019 & 7Y1-2078	48
Cylinder Head Components - 37Y1020 - up, NF1 - up & 7Y2079-4278	49
Cylinder Head Components - 7Y4279-up & G6X1-up	49
Cylinder Head Spacer Plates	49
Engine Bearings	47-48
Engine Kits	46
Gasket Listing	50
Gasket Sets	46-47
Lubrication System	50
Turbocharger	50

INTERSTATE-McBEE, LLC

5300 Lakeside Avenue • Cleveland, Ohio 44114-3996 U.S.A.
 216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805
www.interstate-mcbee.com • E-mail: sales@interstate-mcbee.com

® CUMMINS is a registered trademark of Cummins, Inc.
 ® Caterpillar and CAT are registered trademarks of Caterpillar, Inc.

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	lpc
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	

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

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

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	Crankshaft	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

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 Reatainer	
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

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	1/2 NPT
M-3008469	1	Pipe Plug	3/4 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

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**



**C10, 12, 15
3400**

3500

3300

**Natural Gas
Engine
Parts**

3064/3066

**C7
3100/3200**



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

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"

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.

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	

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	

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.

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	

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.

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	

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.

NOTES

This image shows a full page of blank, lined paper. It features approximately 28 horizontal grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

COVERAGE

• Engine Parts – U.S.A. and Canada

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-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.

NOTES

[illegible]

NOTES

This image shows a full page of blank, lined paper. It features approximately 28 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color. There are no margins, text, or other markings present on the page.

U.S.A. Presidential Award



For Excellence in Export



INTERSTATE-McBEE



OHIO

5300 Lakeside Avenue
Cleveland, OH 44114 U.S.A.

Tel: 216-881-0015

FAX: 216-881-0805

E-mail: sales@interstate-mcbee.com

CALIFORNIA

13137 Arctic Circle
Santa Fe Springs, CA 90670 U.S.A.

Tel: 562-356-5414

FAX: 562-926-2452

FLORIDA

9955 NW 58th Street
Doral, FL 33178 U.S.A.

Tel: 305-863-6650

FAX: 305-863-6272

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