



INTERSTATE-McBEE



REPLACEMENT ENGINE PARTS FOR

CATERPILLAR[®]

On Highway

APPLICATIONS

C12, C13, 3406, 3406E, C15



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Updated: November 2025

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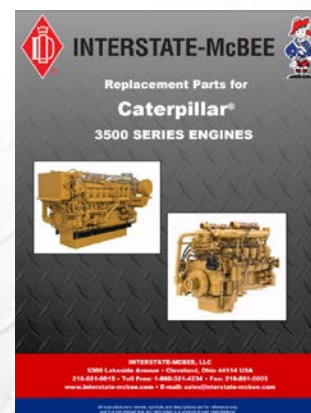
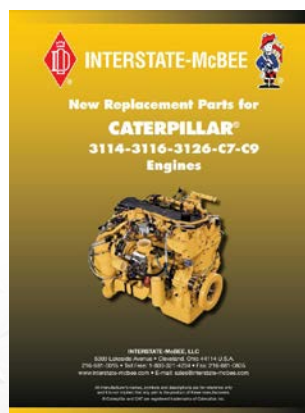
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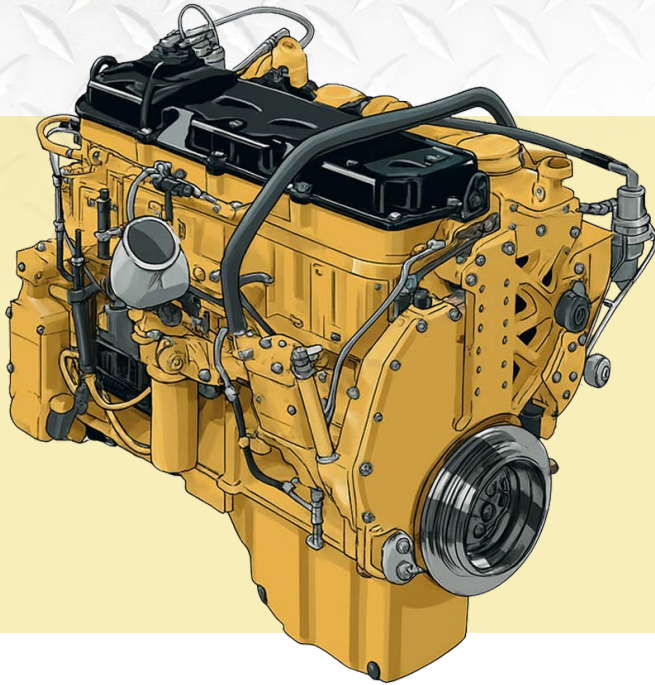
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CATERPILLAR® CATALOGS AVAILABLE

- Custom Gaskets
- 3114-3116-3126-C7-C9
- 3500 Series Engines



C12/C13 ENGINE



Displacement

12.0 & 12.5L

Power

335-600 HP

Torque

1,250-2180 LB-FT

Manufacture Date: 1996-Present

Configuration: Inline 6-cylinder, turbocharged and aftercooled

Fuel System: Mechanically actuated electronic unit injector (MEUI)

APPLICATIONS



Power Gen



Defense



Rail



Construction/Mining



Agriculture



Marine



On Highway



Natural Gas

INTERSTATE-McBEE KITS

Kit# MCIF3882310



**Induction
hardened
cylinder liners**

**Select o-ring
seal materials to
prevent coolant
leaking and oil
contamination**

**McBee style
custom gasket
sets**

**Forged alloy
steel pistons for
superior strength**

RELATED MEDIA



Hardware Kits



Full Line Card



Re-Ring Kits

TRUCK ENGINE KITS: C12

ESN	APPL	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GKT SET	OH GKT SET
1YN1-Up	Truck / C12	CK1979328P	MCIF1979328-012	MCOH1979328-011	MCBC10012	MCBC12011
2KS1-388	Truck / C12	CK1442948P	MCIF1442948-012	MCOH1442948-011	MCBC10012	MCBC12011
2KS389-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021
8YF1-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021
9NS1-16227	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-011	MCBC10012	MCBC12011
9NS16228-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021
9SM1-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021
CPD1-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021
GEP1-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021
MBL1-122	Truck / C12	**	**	**	MCBC10022	MCBC12021
MBL123-Up	Truck / C12	CK1979374P	MCIF1979374-022	MCOH1979374-021	MCBC10022	MCBC12021
TME1-Up	Truck / C12	CK1442948P	MCIF1442948-022	MCOH1442948-021	MCBC10022	MCBC12021

TRUCK ENGINE KITS: C13

ESN	APPL	CYLINDER KIT	INFRAME RE-RING	OVERHAUL RE-RING	IF GKT SET	OH GKT SET
KCB & JAM	Truck / C13	n/a	MCIFC13E	MCOHC13E	MCBC13022	MCBC13021
LEE	Truck / C13	n/a	MCIFC13E	MCOHC13E	MCBC13032	MCBC13031

ESN	APPL	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GKT SET	OH GKT SET
KCB & JAM	Truck / C13	CK3882310P	MCIF3882310	MCOH3882310	MCBC13022	MCBC13021
LEE	Truck / C13	CK3882310P	MCIF3882310-1	MCOH3882310-1	MCBC13032	MCBC13031

** in development

Engine Kits Contain:

- ◆ Pistons
- ◆ Piston Pin Retainers
- ◆ Main Bearings
- ◆ Connecting Rod Bearings
- ◆ Piston Pins
- ◆ Piston Ring Sets
- ◆ Thrust Bearings
- ◆ IF/OH Gasket Set



CYLINDER COMPONENTS

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
CK1442948P	6		Cylinder Kit	
CK1979328P	6		Cylinder Kit	
CK1979374P	6		Cylinder Kit	
CK3882310P		6	Cylinder Kit	Use in engine sets
M-1442948	6		Piston Crown	
M-1979328	6		Piston Crown	
M-1979374	6		Piston Crown	
M-3882310		6	Piston Body	Use in engine sets
M-2382712	6		Piston Skirt	
M-RSC12E	6		Piston Ring Set	
M-RSC13E		6	Piston Ring Set	
M-1979251	6		Piston Pin Assembly	With end plugs
M-1979327		6	Piston Pin	
M-1979326		12	Piston Pin Retainer	
M-4695315	6	6	Cylinder Liner	
M-4371409	6	6	Cylinder Liner Seal Ring	

ENGINE BEARINGS

PART #	QTY		DESCRIPTION	COMMENT
	C12	C13		
M-2920484	6	6	Connecting Rod Bearing - STD	
M-1280395	6	6	Connecting Rod Bearing - .51mm OS	
M-1280396	6	6	Connecting Rod Bearing - .76mm OS	
M-2110587	4	4	Main Bearing - STD	
M-2110588	3	3	Main Bearing - STD	
M-1280400	4	4	Main Bearing - .51mm OS	
M-1280382	3	3	Main Bearing - .51mm OS	
M-1280401	4	4	Main Bearing - .76mm OS	
M-1280383	3	3	Main Bearing - .76mm OS	
M-2463144	2	2	Thrust Plate	
MCBC12CB	1		Camshaft Bushing Kit	
M-2165584	1		Camshaft Bushing	Front
M-2165583	5		Camshaft Bushing	Intermediate
M-2165585	1		Camshaft Bushing	Rear
M-1878969		7	Camshaft Bushing	
MCBC13CB		1	Camshaft Bushing Kit	
M-1878969		7	Camshaft Bushing	
M-1152972	6	6	Connecting Rod Bushing	
M-9M2418	1	1	Rear Idler Bushing	

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C12 / C13 PARTS LISTING

6

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

CRANKSHAFT SEALS & DAMPERS

PART	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
M-1260110	1		Front Crankshaft Seal Kit	ESN = 1YN1-12844, 2KS1-Up
M-1694166	1	1	Front Crankshaft Seal Kit	
M-2264755	1	1	Front Crankshaft Seal Kit	
M-9Y0821	1	1	Front Crankshaft Wear Sleeve	

M-2264757	1	1	Rear Crankshaft Seal Kit	
M-1005421	1	1	Rear Crankshaft Seal Kit	Wet Housing
M-9Y810	1	1	Rear Crankshaft Wear Sleeve	

M-1678125	1	1	Vibration Damper	
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M-3264280	1		Crankshaft	
M-3133997		1	Crankshaft	

C12 CYLINDER HEAD COMPONENTS

PART #	QUANTITY	DESCRIPTION	COMMENT
N-7E9578	12	Valve - Intake	
M-1929213	12	Valve - Intake	
M-1799454	12	Valve Seat - Intake	
M-1337029	12	Valve - Exhaust	
M-1799453	12	Valve Seat - Exhaust	
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	
MCB1482144	1	Cylinder Head Assembly	
MCBC12HBK	1	Head Bolt Kit	
M-1750454	26	Cylinder Head Bolt	M16 X 2 X 160MM
M-2S5658	26	Washer	
M-6V9607	7	Cylinder Head Bolt	M8 X 1.25 X 120MM
M-3336379	1	Camshaft	C12
M-2237467	1	Camshaft	C13, KCB & JAM



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C13 CYLINDER HEAD COMPONENTS - KCB & JAM ESNs

PART #	QUANTITY	DESCRIPTION	COMMENT
M-2243028	12	Valve - Intake	
M-2604855	12	Valve Seat - Intake	
M-2243030	12	Valve - Exhaust	
M-2241270	12	Valve Seat - Exhaust	
M-2A4429	48	Valve Lock	
M-2682953	24	Valve Guide	
M-2244441	24	Valve Spring - Inner	
M-3322152	24	Valve Spring - Outer	
M-7E7977	24	Rotocoil	
M-2634920	6	Injector Tube	KCB14119 & up
M-22742390RK	6	Injector Tube Seal Kit	KCB14119 & up
MCB3453752	1	Cylinder Head Assembly	KCB & JAM
MCBC13HBK	1	Head Bolt Kit	
M-2421811	26	Cylinder Head Bolt	
M-2S5658	26	Washer	
M-2104460	8	Cylinder Head Bolt	
M-2237467	1	Camshaft	KCB & JAM 10R2131

C13 CYLINDER HEAD COMPONENTS - LEE ESNs

PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-2527802	12	Valve - Intake	
M-2604855	12	Valve Seat - Intake	
M-2481467	12	Valve - Exhaust	
M-2241270	12	Valve Seat - Exhaust	
M-2A4429	48	Valve Lock	
M-2682953	24	Valve Guide	
M-2244441	24	Valve Spring - Inner	
M-3322152	24	Valve Spring - Outer	
M-6I2663	24	Rotocoil	
M-2634920	6	Injector Tube	
M-22742390RK	6	Injector Tube Seal Kit	
M-2511005RK	12	Pin & Roller Kit	Valve
M-2027475RK	6	Pin & Roller Kit	Injector
MCBC13HBK	1	Head Bolt Kit	
M-2421811	26	Cylinder Head Bolt	
M-2S5658	26	Washer	
M-2104460	8	Cylinder Head Bolt	

AIR INLET & EXHAUST SYSTEM

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
MCBC12ESK	1	1	Exhaust Manifold Stud Kit	General usage
M-1163715	12	12	Stud Taperlock	
M-4P4369	12	12	Spacer	
M-3E8017	12	12	Nut	
M-9X8281	4		Turbo Mounting Stud	
M-2459750		4	Turbo Mounting Stud	
M-3E8017	4		Turbo Mounting Nut	
M-9X6620		4	Turbo Mounting Nut	
MCBC13ESK		1	Exhaust Stud Kit	Low mount turbo, low cab fwd
M-1163715		12	Stud	
M-2245422		2	Stud Taperlock	
M-4P4369		12	Spacer	
M-6V5839		12	Washer	
M-3E8017		12	Nut	

FUEL SYSTEM

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
R-10R0963	6		Injector - Rebuilt	Ref# 2123463 (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-10R2977		6	Injector - Rebuilt	Ref# 2490708 (NEW)
M-2245797	6		Injector O-Ring Kit	External Seals
M-2153198			1-Injector Seal Ring	Upper
M-1198784			1-Injector Seal Ring	Intermediate
M-9X7317			1-Injector Seal Ring	Lower
M-2481394		6	Injector O-Ring Kit	External Seals
M-2303775			1-Injector Seal Ring	Upper
M-2303728			1-Injector Seal Ring	Intermediate
M-9X7317			1-Injector Seal Ring	Lower
M-1375541	1	1	Fuel Priming Pump	
M-1P0436	1	1	Fuel Priming Pump Gasket	
M-3848611		1	Fuel Transfer Pump	



LUBRICATION SYSTEM

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
M-2335220	1		Oil Pump	
M-2231608		1	Oil Pump	
M-6D7146	1	1	Seal Ring - Body to Cover	
MCBC12016	1	1	Oil Pump Insallation Kit	
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-2368745		1	Oil Cooler Core	KCB & JAM esn's
M-2775774		1	Oil Cooler Core	LEE esn's
M-1095308	1	1	Oil Pan Seal	
M-7C8296	14	14	Oil Pan Isolator	
M-2173673		1	Oil Pan Seal	
M-2173674		14	Oil Pan Isolator	

COOLING SYSTEM

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
M-2477133	AR	AR	Regulator - 190°	Single & Double types used
M-3S9643	AR	AR	Regulator Seal	
M-7E7912	1		Regulator Housing Gasket	Single Regulator
M-2275075		1	Regulator Housing Gasket	Single Regulator
M-1314164	1		Regulator Housing Gasket	Double Regulator
M-2246361		1	Regulator Housing Gasket	Double Regulator
M-7L6580		2	By Pass Tube Seal	Double Regulator
M-1767000	1		Water Pump	
M-3520206		1	Water Pump	
M-6V7350	1	1	Water Pump Mounting Seal	

SENSORS

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
M-1946722	AR	AR	Sensor - Pressure	
M-1946724	AR	AR	Sensor - Pressure	
M-1946725	AR	AR	Sensor - Pressure	
M-2644297	AR	AR	Sensor - Temperature	

AR = As Required

GASKET SETS - McBEE CUSTOM

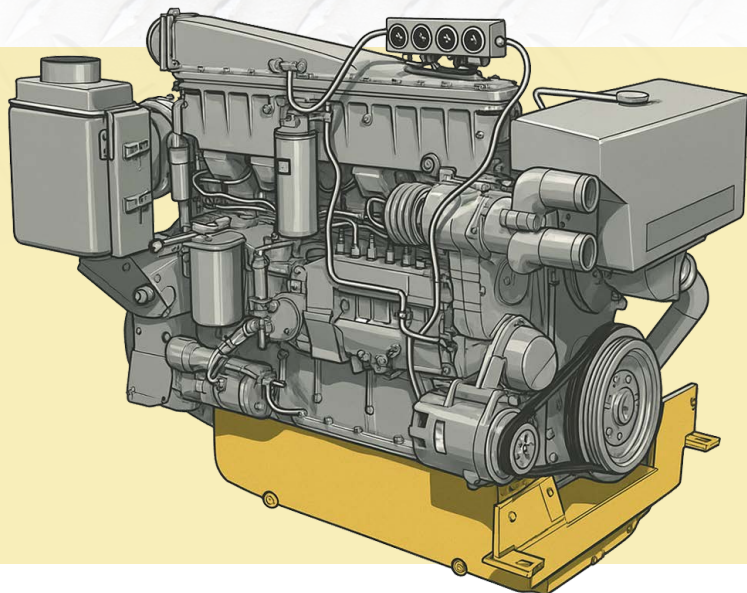
PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
MCBC12011	1		Overhaul Gasket Set	1YN, 2KS1-388 & 9NS1-16227 "Scalloped" Head Gasket
MCBC10012	1		InFrame Gasket Set	
MCBC10013	1		Cylinder Head Gasket Set	
MCBC12021	1		Overhaul Gasket Set	2KS389 & up 9NS16228 & up 9SM, CPD, MBL & TME
MCBC10022	1		InFrame Gasket Set	
MCBC10023	1		Cylinder Head Gasket Set	
MCBC12121	1		Overhaul Gasket Set	Generator, Industrial & Machine
MCBC12122	1		InFrame Gasket Set	
MCBC12123	1		Cylinder Head Gasket Set	
MCBC13021		1	Overhaul Gasket Set	KCB, JAM
MCBC13022		1	InFrame Gasket Set	
MCBC13023		1	Cylinder Head Gasket Set	
MCBC13031		1	Overhaul Gasket Set	LEE
MCBC13032		1	InFrame Gasket Set	
MCBC13033		1	Cylinder Head Gasket Set	



GASKET SETS - MODULAR

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	C12	C13		
M-1390616	1		Air Compressor Set	IYN, 2SK & 9NS
M-4173776	1		Central & Lower Set	
M-4174536	1		Front Structure Set	
M-2245797	6		Fuel Injector Set	
M-2245876	1		Fuel System Set	
M-3949182	1		Oil Cooler Set	
M-7X7975	1		Oil Pump Set - External	
M-2266620	1		Rear Structure Set	
M-3949183	1		Turbocharger Installation Set	
M-1473781	1		Water Pump Installation Set	
M-1933318	1		Air Compressor Set	MBL, CPD, GEP & TME
M-2434780	1		Central & Lower Set	
M-4178843	1		Front Structure Set	
M-2245797	6		Fuel Injector Set	
M-2501273	1		Fuel System Set	
M-2434690	1		Oil Cooler Set	
M-7X7975	1		Oil Pump Set - External	
M-2266620	1		Rear Structure Set	
M-3949183	1		Turbocharger Installation Set	
M-3156714	1		Water Pump Installation Set	
M-3149899		1	Air Compressor Set	KCB, JAM
M-3136846		1	Central & Lower Set	
M-3136898		1	Front Structure Set	
M-2481394		6	Fuel Injector Set	
M-3136847		1	Fuel System Setu	
M-2655324		1	Oil Cooler Setw	
M-2655326		1	Oil Pump Set - External	
M-2266620		1	Rear Structure Set	
M-4367102		1	Turbocharger Installation Set	
M-3142771		1	Water Pump Installation Set	
M-3149899		1	Air Compressor Set	LEE
M-4394077		1	Central & Lower Set	
M-4388606		1	Front Structure Set	
M-2481394		6	Fuel Injector Set	
M-3136847		1	Fuel System Set	
M-4394451		1	Oil Cooler Set	
M-2655326		1	Oil Pump Set - External	
M-3348404		1	Rear Structure Set	
M-4390524		1	Turbocharger Installation Set	
M-3348407		1	Water Pump Installation Set	

3406 A / B / C ENGINE



Displacement

14.6L

Power

250-550 HP

Torque

up to 1,800 LB-FT

Manufacture Date: 1976-1993

Configuration: Inline 6-cylinder, turbocharged and aftercooled

Fuel System: Mechanical fuel injection only

APPLICATIONS



Power Gen



Defense



Rail



Construction/Mining



Agriculture



Marine



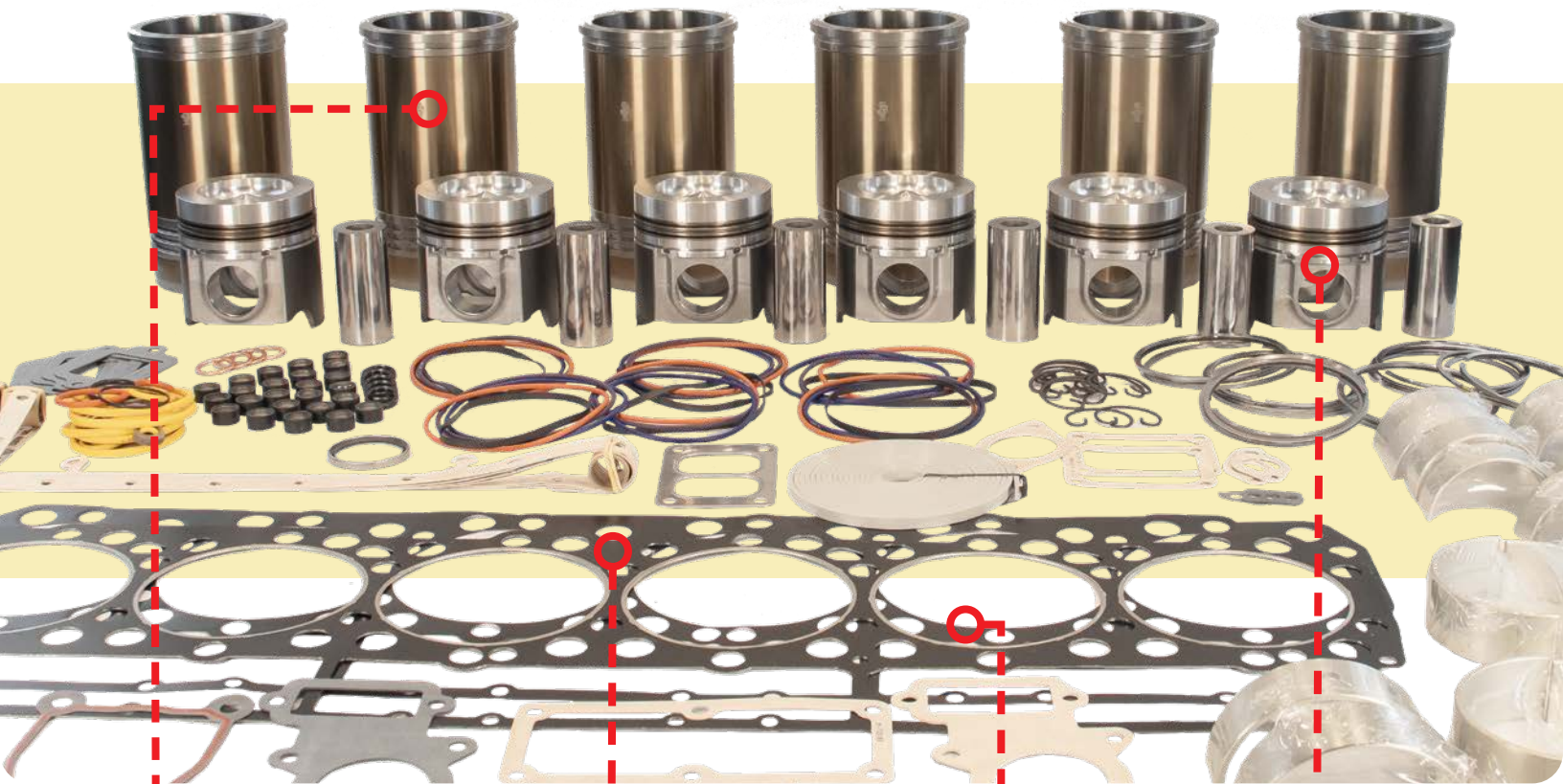
On Highway



Natural Gas

INTERSTATE-McBEE KITS

Kit# MCIF3781441-062



**Alloy cast iron
cylinder liners
with coated liner
seals**

**Graphite composite
multi-steel core
head gasket**

**"Floating" fire
rings to provide
complete bore
seal**

**Aluminum
Pistons**

RELATED MEDIA



Oil Pumps



Line Card

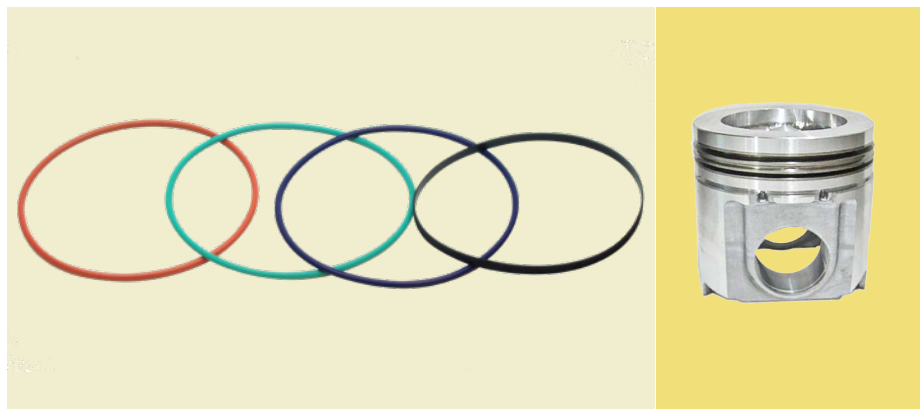


**Marine
Applications**

CYLINDER COMPONENTS

PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-6N4126	6	Piston Body	Pre-combustion chamber
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-7N3633	6	Piston Body	Ref# 0R1570 - P.C.
M-9Y7212	6	Piston Body	Ref# 0R2862
M-3781441	6	Piston Body	Ref# 20R1118
M-1010016	6	Piston Body	Ref# 0R4281
M-1175063	6	Piston Body	
M-1601131	6	Piston Body	Ref# 0R4178
M-3780509	6	Piston Body	Ref# 20R1115, 20R1116
M-8N822	6	Piston Ring Set	
M-1W8922	6	Piston 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	Piston Pin Retainer	
M-7E1177	12	Piston Pin Retainer	
M-7E5665	12	Piston Pin Retainer	
M-1979322	6	Cylinder Liner	
M-1609874	6	Gasket Set - Cylinder Liner Packing	
M-4W6061	AR	Sleeve, lower bore repair	
M-9Y3368	AR	Cylinder Liner Insert - Stainless	.0324"
M-2W3815	AR	Cylinder Liner Insert - Stainless	.0632"
MCB6640	AR	Repair Sleeve Upper	
M-7W4990	6	Jet Assembly - Piston Cooling	

AR = As Required



ENGINE BEARINGS

PART #	QUANTITY	DESCRIPTION	COMMENT
M-3285574G	6	Connecting Rod Bearing - STD	Grooved Narrow Journal
M-9Y9497.010	6	Connecting Rod Bearing - .010"	Narrow Journal
M-4W5702	6	Connecting Rod Bearing - .025"	Narrow Journal
M-4W5703	6	Connecting Rod Bearing - .050"	Narrow Journal
M-9Y7735G	6	Connecting Rod Bearing - STD	Grooved Wide Journal
M-9Y7735G-010	6	Connecting Rod Bearing - .010"	Wide Journal
M-7E1558	6	Connecting Rod Bearing - .025"	Wide Journal
M-7E1559	6	Connecting 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	Connecting Rod Bushing	Straight Rod
M-8N706	6	Connecting Rod Bushing	Narrow Taper
M-8N2018	6	Connecting Rod Bushing	Wide Taper
M-4P8495	6	Connecting Rod Bushing	Side Relief
M-6I2726	6	Connecting Rod Bushing	Big Pin
MCB3406CB	1	Crankshaft Bearing Kit	
M-4N685	6	Camshaft Bushing	
M-4N6658	1	Camshaft Bushing	
M-1317123	1	Idler Gear Bushing	

CRANKSHAFT SEALS & DAMPERS

PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-7C4859	1	Crankshaft	w/o Gear
M-6I1453	1	Crankshaft - Wide Bearing	w/o Gear
M-1425867	1	Front Crankshaft Seal	
M-1425868	1	Rear Crankshaft Seal	
M-1678126	1	Vibration Damper	
M-1682100	AR	Vibration Damper Spacer	

AR = As Required





CYLINDER HEAD COMPONENTS

PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-1152368	12	Valve - Intake	
M-1152367	12	Valve - Exhaust	
M-2A4429	48	Valve Lock	
M-4N5893	12	Valve Seat - Intake	
M-1W5283	12	Valve Seat - Exhaust	
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	3406 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 w/ ESN)
M-8M5249	6	Nozzle Adapter Seal Ring	40mm (verify w/ ESN)
M-7W5435	6	Nozzle Adapter	40mm (verify w/ ESN)
M-5H7153	6	Nozzle Adapter Seal Ring	40mm (verify w/ 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	6 Meters
M-5P5678-9	1	Valve Cover Gasket	Engine Brake Equipped 9 Meters

CAMSHAFT & LIFTERS

PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-1007408	1	Camshaft	w/o Gear ref. 0R3787
M-4223883	12	Valve Lifter Assembly	
M-4W3817	12	Lifter Repair Kit	Roller, Pin and Lock
M-3056843	12	Lifter Guide Spring	

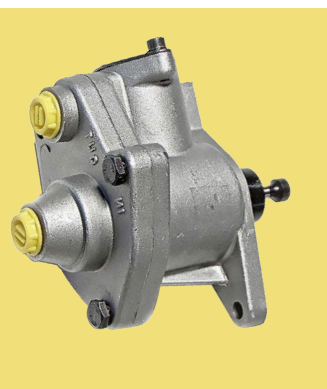
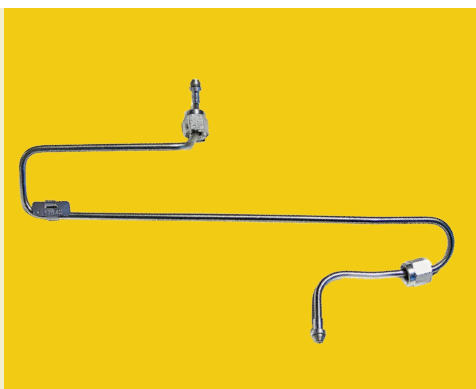
FUEL SYSTEM

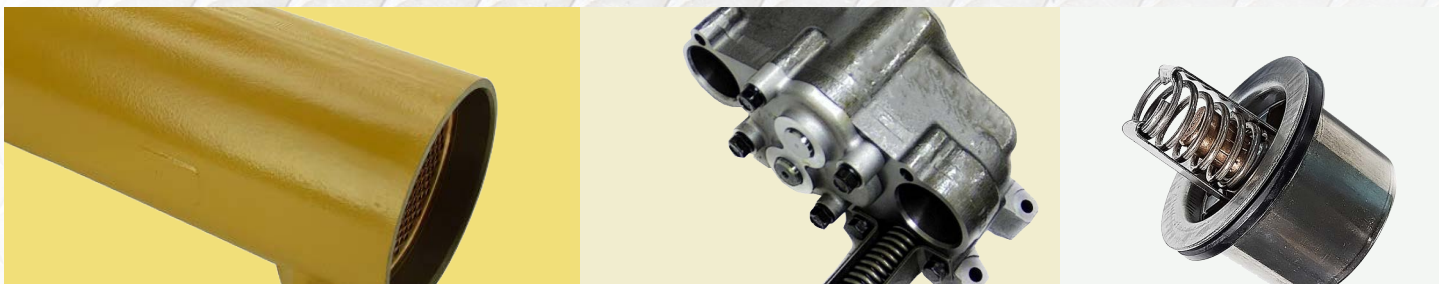
PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-9L6884	6	Fuel Nozzle - Capsule	Direct Injection
M-9N3246	6	Fuel Nozzle - Capsule	
M-4W7017	6	Fuel Nozzle - 7000 Series	R-OR3421 (Reman)
M-4W7018	6	Fuel Nozzle - 7000 Series	R-OR3422 (Reman)
M-4W7022	6	Fuel Nozzle - 7000 Series	R-OR3426 (Reman)
M-7W7026	6	Fuel Nozzle - 7000 Series	R-OR3423 (Reman)
M-7W7032	6	Fuel Nozzle - 7000 Series	R-OR3424 (Reman)
M-7W7037	6	Fuel Nozzle - 7000 Series	R-OR3425 (Reman)
M-7W7040	6	Fuel Nozzle - 7000 Series	R-OR3586 (Reman)
M-7W7041	6	Fuel Nozzle - 7000 Series	R-OR3587 (Reman)
M-7W7042	6	Fuel Nozzle - 7000 Series	R-OR3588 (Reman)
M-7W7043	6	Fuel Nozzle - 7000 Series	R-OR3589 (Reman)
M-1007556	6	Fuel Nozzle - 7000 Series	R-OR4337 (Reman)
M-1007558	6	Fuel Nozzle - 7000 Series	R-OR4339 (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# OR3008
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

AR = As Required

FUEL INJECTION LINES

MODEL	LINE #1	LINE #2	LINE #3	LINE #4	LINE #5	LINE #6
3406	M-4N9971			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-1330125	1	Oil Cooler	
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	For 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

AR = As Required

COOLING SYSTEM

PART NUMBER	QUANTITY	DESCRIPTION	COMMENT
M-4W4011	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 Adapter Plate	Aluminum
M-4P2383	1	Water Pump Adapter 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

EXHAUST SYSTEM

PART #	QUANTITY	DESCRIPTION	COMMENT
MCB3406SK	1	Stud Kit	3406A/B
MCB3406ESK	1	Stud Kit	3406C
MCB3406CHKT	1	Exhaust Hardware Kit	3406C
M-1948124	6	Exhaust Port Sleeve	3406C
M-6L8562	1	Exhaust Manifold Stud - 1.77"	3406A/B
M-7L520	1	Exhaust Manifold Stud - 2"	
M-4S6137	11	Exhaust Manifold Stud - 3.1"	
M-1061793	1	Exhaust Manifold Stud - 2.36"	3406A/B/C
M-1061792	11	Exhaust Manifold Stud - 4"	3406C
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 NUMBER	QUANTITY	DESCRIPTION	COMMENT
MCB3406031	1	Overhaul Gasket Set	92U5944-Up
MCB3406032	1	InFrame Gasket Set	
MCB3406033	1	Cylinder Head Set	
MCB3406051	1	Overhaul Gasket Set	3406B JWAC
MCB3406052	1	InFrame Gasket Set	
MCB3406053	1	Cylinder Head Set	
MCB3406061	1	Overhaul Gasket Set	3406B ATAAC
MCB3406062	1	InFrame Gasket Set	
MCB3406063	1	Cylinder Head Set	
MCB3406111	1	Overhaul Gasket Set	3406C 19-bolt Flywheel Housing
MCB3406112	1	InFrame Gasket Set	
MCB3406113	1	Cylinder Head Set	
MCB3406271	1	Overhaul Gasket Set	3406C round Exhaust Ports 24-bolt Flywheel Housing
MCB3406272	1	InFrame Gasket Set	
MCB3406273	1	Cylinder Head Set	

Note: Injector O-ring is included in all McBee Custom Gasket Sets

GASKET SETS - MODULAR

PART NUMBER	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	



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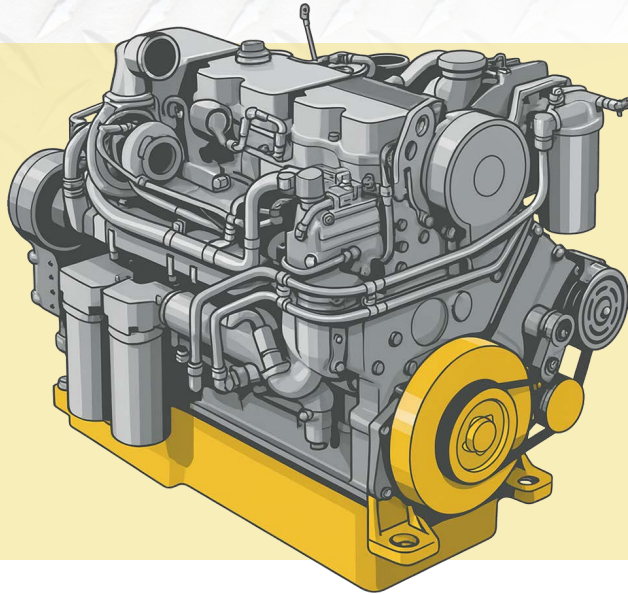


3406 A / B / C PARTS LISTING

22

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

3406E-C15 ENGINE



Displacement

14.6L & 15.2L

Power

310-625 HP

Torque

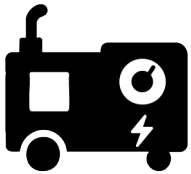
Up to 2,050 LB-FT

Manufacture Date: 1993-Present

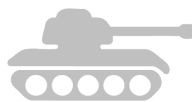
Configuration: Inline 6-cylinder, turbocharged and aftercooled

Fuel System: Mechanical Actuated Electronically Unit Injector (MEUI)

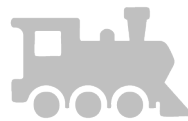
APPLICATIONS



Power Gen



Defense



Rail



Construction/Mining



Agriculture



Marine



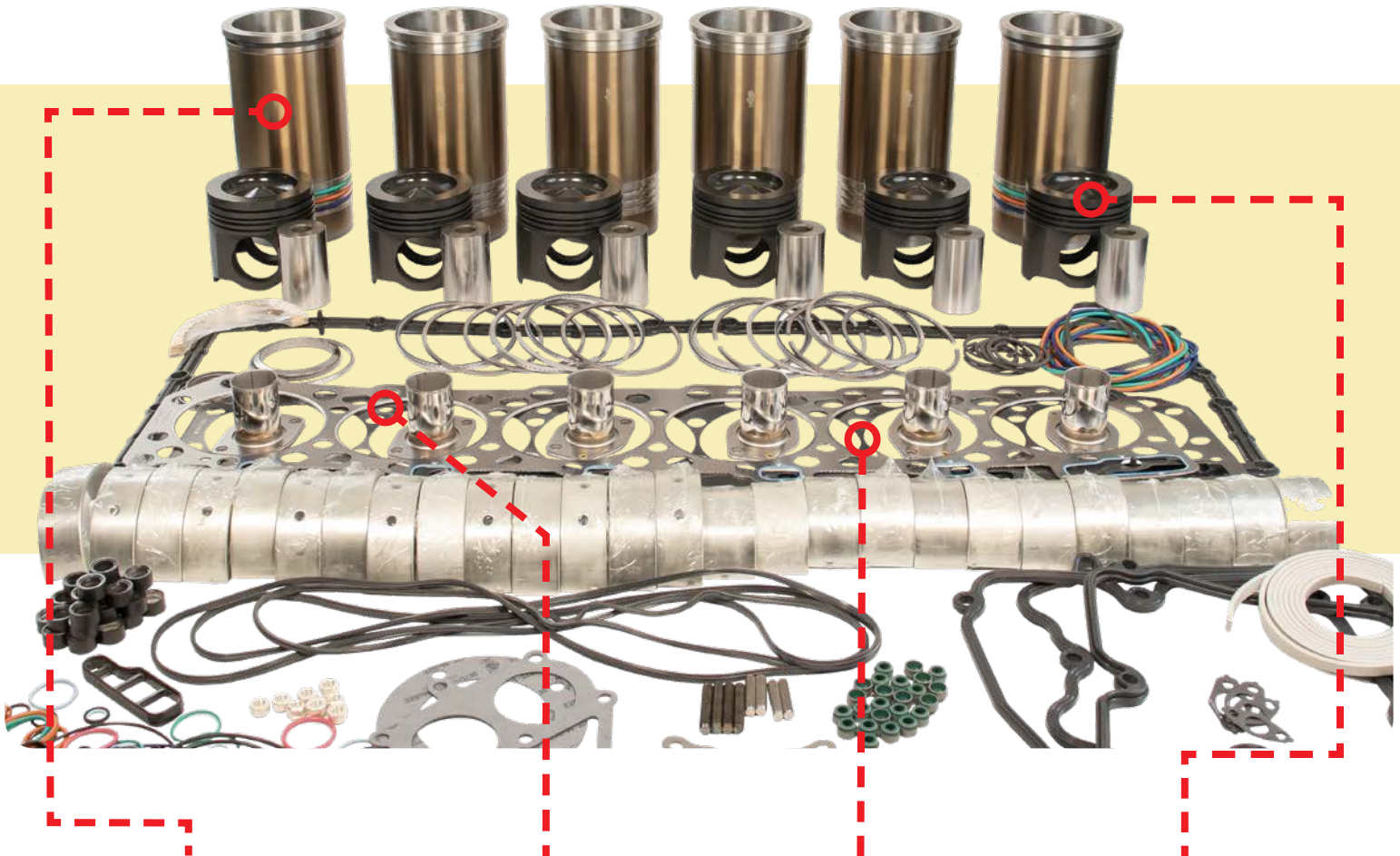
On Highway



Natural Gas

INTERSTATE-McBEE KITS

Kit# MCIF3564787



**Alloy cast iron
cylinder liners
with coated liner
seals**

**Graphite composite
multi-steel core
head gasket**

**"Floating" fire
rings to provide
complete bore
seal**

**Forged alloy
steel pistons for
superior strength**

RELATED MEDIA



Hardware Kits



C15 Foldout



Crankshafts

3406

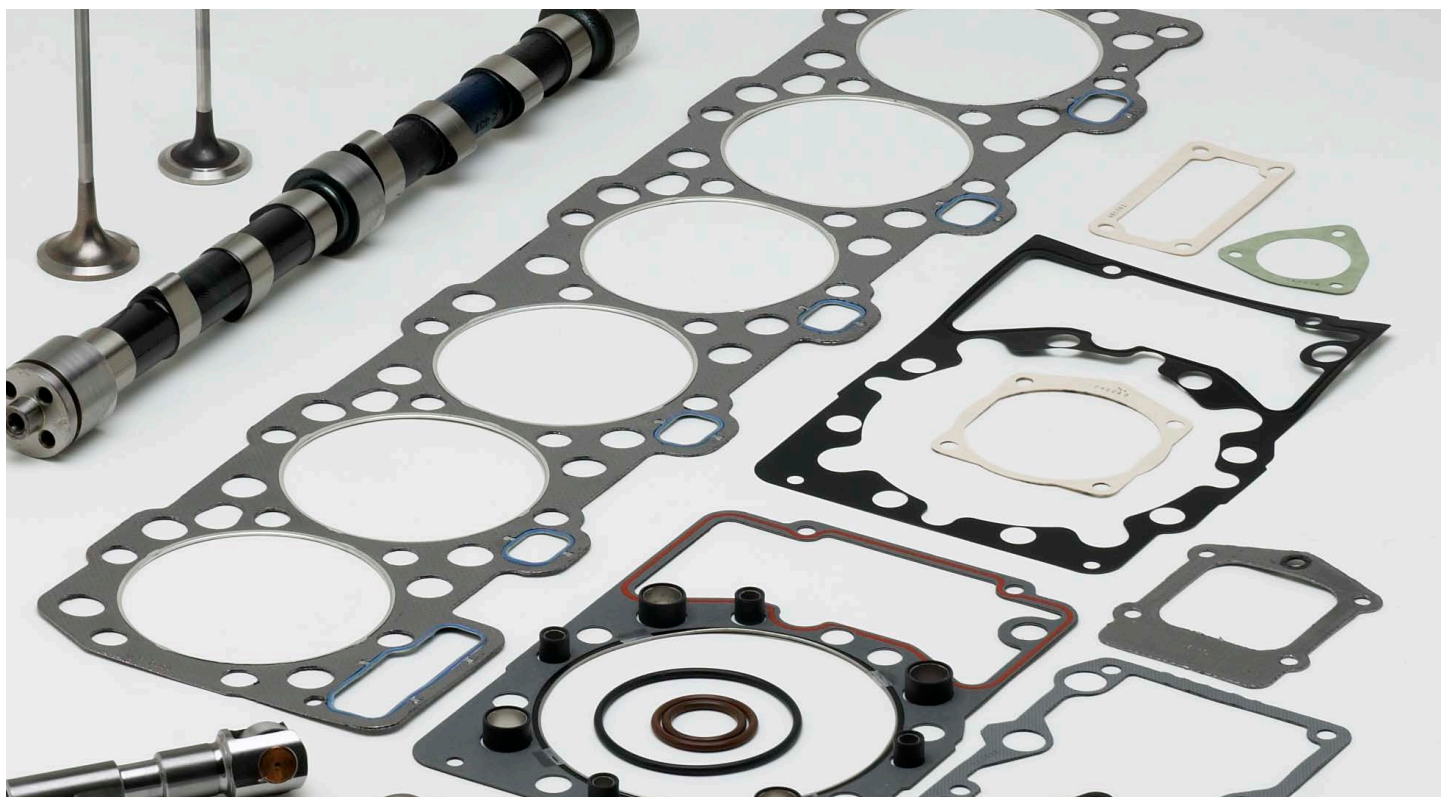
ESN	APPL	PISTON	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GASKET SET	OH GASKET SET
92U5944-Up	Truck	M-6N4080	M-CK6N4080P	Separate Parts	Separate Parts	MCB3406032	MCB3406031
		M-6N4126	M-CK6N4126P	Separate Parts	Separate Parts		
		M-7N3509	N/A	Separate Parts	Separate Parts		
		M-7N3633	M-CK7N3633P	Separate Parts	Separate Parts		
		M-3780509	M-CK3780509P	MCIF3780509-032	MCOH3780509-031		

3406B

ESN	APPL	PISTON	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GASKET SET	OH GASKET SET
2EK1-512	Truck	M-7E8656	M-CK7E8656P	MCIF7E8656-062	MCOH7E8656-061	MCB3406062	MCB3406061
2EK513-1835		M-7E8656	M-CK7E8656P	MCIF7E8656W-062	MCOH7E8656W-061		
2EK1-1930		M-1601131	M-CK1601131P	MCIF1601130W-62	MCOH1601130W-061		
2EK1-512		M-7E8700	M-CK7E8700P	MCIF7E8700-62	MCOH7E8700-61		
2EK513-4045		M-7E8700	M-CK7E8700P	MCIF7E8700W-62	MCOH7E8700W-061		
3ZJ1-589		M-7E539	M-CK7E539P	MCIF7E539W-062	MCOH7E539W-061		
3ZJ1-16181		M-7E8656	M-CK7E8656P	MCIF7E8656W-062	MCOH7E8656W-061		
3ZJ1-2487		M-7E8700	M-CK7E8700P	MCIF7E8700-062	MCOH7E8700-61		
3ZJ2488-16181		M-7E8700	M-CK7E8700P	MCIF7E8700W-62	MCOH7E8700W-061		
4CK1-845	Truck	M1601131	M-CK1601131P	MCIF1601131W-062	MCOH1601130W-061	MCB3406062	MCB3406061
		M-7E8656	M-CK7E8656P	MCIF7E8656W-062	MCOH7E8656W-061		
		M-7E8700	M-CK7E8700P	MCIF7E8700W-062	MCOH7E8700W-061		
4MG1-3599	Truck	M-7C473	Use M-3780509 in full sets	See Below		See Below	
		M-7C3496	Use M-9Y3116 in full sets				
		M-9Y3116	M-CK9Y3116P	MCIF9Y3116-052	MCOH9Y3116-051	MCB3406052	MCB3406051
				MCIF9Y3116-062	MCOH9Y3116-061	MCB3406062	MCB3406061
		M-3780509	M-CK3780509P	MCIF3780509-052	MCOH3780509-051	MCB3406052	MCB3406051
				MCIF3780509-062	MCOH3780509-061	MCB3406062	MCB3406061
4MG3600-UP	Truck	M-7C3406	Use M-3781441 in full sets	See Below		See Below	
		M-9Y9889					
		M-3781441**	M-CK3781441P	MCIF3781441-052	MCOH3781441-051	MCB3406052	MCB3406051
				MCIF3781441-062	MCOH3781441-061	MCB3406062	MCB3406061
		M-7C3496	Use M-9Y3116P in full Sets	See Below			
		M-9Y3116	M-CK9Y3116P	MCIF9Y3116-052	MCOH9Y3116-051	MCB3406052	MCB3406051
				MCIF9Y3116-062	MCOH9Y3116-061	MCB3406062	MCB3406061
		M-7E539	M-CK7E539P	MCIF7E539-052	MCOH7E539-051	MCB3406052	MCB3406051
				MCIF7E539-062	MCOH7E539-061	MCB3406062	MCB3406061
		M-7E8885	Use M-9Y7212 in full sets	See Below			
		M-9Y7212	M-CK9Y7212P	MCIF9Y7212-052	MCOH9Y7212-051	MCB3406052	MCB3406051
				MCIF9Y7212-062	MCOH9Y7212-061	MCB3406062	MCB3406061

** Check Rod Bearing. Wide rod bearing use kit with "W" suffix

ESN	APPL	PISTON	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GASKET SET	OH GASKET SET
5KJ1-7799	Truck	M-7C3406	Use M-3781441 in Full Sets	See Below			
		M-3781441	CK3781441P	MCIF3781441-062	MCOH3781441-061	MCB3406062	MCB3406061
		M-7E7885	Use M-9Y7212 in Full Sets	See Below			
		M-9Y7212	M-CK9Y7212P	MCIF9Y7212-062	MCOH9Y7212-061	MCB3406062	MCB3406061
		M-7E539	M-CK7E539P	MCIF7E539-062	MCOH7E539-061		
		M-3780509	M-CK3780509P	MCIF3780509-062	MCOH3780509-061		
7FB	Truck	M-7C0473	Use M-3780509 in full sets	See Below			
		M-3780509	M-CK3780509P	MCIF3780509-052	MCOH3780509-051	MCB3406052	MCB3406051
				MCIF3780509-062	MCOH3780509-061	MCB3406062	MCB3406061
		M-7C3496	Use M-9Y3116 in full sets	See Below			
		M-7W3668		See Below			
		M-9Y3116	M-CK9Y3116P	MCIF9Y3116-052	MCOH9Y3116-051	MCB3406052	MCB3406051
				MCIF9Y3116-062	MCOH9Y3116-061	MCB3406062	MCB3406061
8TC	Truck	M-7C3406	Use 3781441 in full sets	See Below			
		M-9Y9889		See Below			
		M-3781441	M-CK3781441P	MCIF3781441-062	MCOH3781441-061	MCB3406062	MCB3406061
		M-7E539	M-CK7E539P	MCIF7E539-062	MCOH7E539-061		
		M-9Y7212	M-CK9Y7212P	MCIF9Y7212-062	MCOH9Y7212-061		
		M-7C3496	Use M-9Y3116 in full sets	See Below			
		M-9Y3116	M-CK9Y3116P	MCIF9Y3116-062	MCOH9Y3116-061	MCB3406062	MCB3406061
		M-3780509	M-CK3780509P	MCIF3780509-062	MCOH3780509-061		



3406C

ESN	APPL	PISTON	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GSKT SET	OH GSKT SET	
3ZJ16182-60112	Truck	M-7E292	M-CK7E292P	MCIF7E292-112	MCOH7E292-111	MCB3406112	MCB3406111	
		M-7E539	M-CK7E539P	MCIF7E539-112	MCOH7E539-111			
		M-7E8656	M-CK7E8656P	MCIF7E8656-112	MCOH7E8656-111			
		M-7E8700	M-CK7E8700P	MCIF7E8700-112	MCOH7E8700-111			
		M-1007403	Not Available	See Separate Parts				
3ZJ1682-60112	Truck	M-1010016	M-CK1010016P	MCIF1010016-112	MCOH1010016-111	MCB3406272	MCB3406271	
3ZJ60113-UP				MCIF1010016-272	MCOH1010016-271			
4CK486-up	Truck	M-7E292	M-CK7E292P	MCIF7E292-112	MCOH7E292-111	MCB3406112	MCB3406111	
		M-7E8656	M-CK7E8656P	MCIF7E8656-112	MCOH7E8656-111			
		M-7E8700	M-CK7E8700P	MCIF7E8700-112	MCOH7E8700-111			
		M-1601131	M-CK1601131P	MCIF1601131-112	MCOH1601131-111			
5KJ7800-Up	Truck	M-7E539	M-CK7E539P	MCIF7E539W-112	MCOH7E539W-111	MCB3406112	MCB3406111	
		M-9Y9889	Use M-3781441 in full sets M-CK3781441P					
		M-3781441		MCIF3781441W-112	MCOH3781441W-111			
		M-1601131		M-CK1601131P	MCIF1601131W-112			MCOH1601131W-111
		M-3780509		M-CK3780509P	MCIF3780509W-112			MCOH3780509W-111
8PN	Truck	M-1175063	M-CK1175063P	MCIF1175063-272	MCOH1175063-271	MCB3406272	MCB3406271	
		1381791	Not available	See Separate Parts				

3406E

ESN	APPL	PISTON/CROWN	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GSKT SET	OH GSKT SET
1LW	Truck	M-1807352	CK1807352P	MCIF1807352	MCOH1807352	MCB3406472	MCB3406471
2WS				MCIF1807352-492	MCOH1807352-491	MCB3406492	MCB3406491
5DS	Truck	1398500	Not available	See Separate Parts		MCB3406472	MCB3406471
						MCB3406492	MCB3406491
5EK	Truck	M-1082716	M-CK1082716P	MCIF1802716	MCOH1802716	MCB3406462	MCB3406461
				MCIF1802716-452	MCOH180716-451	MCB3406452	MCB3406451
		M-7C2888	M-CK7C2888P	MCIF7C2888	MCOH7C2888	MCB3406462	MCB3406461
				MCIF7C2888-452	MCOH7C2888-451	MCB3406452	MCB3406451
		M-1352837	M-CK1352837P	Refer to M-7C2888			
		M-1362501	N/A Use Re ring Kit	MCIF3406E	MCOH3406E	MCB3406462	MCB3406461
		M-1495566	M-CK1495566P	MCIF1495566	MCOH1495566	MCB3406462	MCB3406461
				MCIF1495566-452	MCOH1495566-451	MCB3406452	MCB3406451
6TS	Truck	M-1352837	Use M-7C2888				
		M-7C2888	M-CK7C2888P	MCIF7C2888	MCOH7C2888	MCB3406462	MCB3406461
				MCIF7C2888-452	MCOH7C2888-451	MCB3406452	MCB3406451
		M-1365201	N/A Use Re-ring Kit	MCIF3406E	MCOH3406E	MCB3406462	MCB3406461
		M-1495566	M-CK1495566P	MCIF1495566	MCOH1495566		
				MCIF1495566-452	MCOH1495566-451	MCB3406452	MCB3406451



ESN	APPL	PISTON/CROWN	CYLINDER KIT	INFRAME KIT	OVERHAUL KIT	IF GSKT SET	OH GSKT SET
6NZ, 9NZ	Truck	M-1807351	N/A Use Re ring Kit	MCIFC15E1	MCOHC15E1	MCBC15112	MCBC15111
		M-1807352	CK1807352P	MCIF1807352-C15	MCOH1807352-C15		MCBC15612
				MCIF1807352-C15-452	MCOH1807352-C15-451	MCBC15612	MCBC15611
B5R	Truck	MCB3569946	CK3569946P	MCIF3569946	MCOH3569946	MCBC15212	MCBC15211
				MCIF3569946-412	MCOH3569946-411	MCBC15412	MCBC15411
		M-3307762	N/A Use Re ring Kit	MCIFC15E1	MCOHC15E1	MCBC15212	MCBC15211
BXS, MX, NXS 600HP and UP	Truck	M-3564787	M-CK3564787P	MCIF3564787	MCOH3564787	MCBC15212	MCBC15211
				MCIF3564787-412	MCOH3564787-411	MCBC15412	MCBC15411
		MCB3569946	M-CK3569946P	MCIF3569946	MCOH3569946	MCBC15212	MCBC15211
				MCIF3569946-412	MCOH3569946-411	MCBC15412	MCBC15411
JEP1-228	Truck	MCB3569946	M-CK3569946P	MCIF3569946	MCOH3569946	MCBC15212	MCBC15211
				MCIF3569946-412	MCOH3569946-411	MCBC15412	MCBC15411
JEP229-UP		M-3307762	N/A Use Re ring Kit	MCIFC15E1	MCOHC15E1	MCBC15212	MCBC15211
KRA	Truck	M-3564787	M-CK3564787P	MCIF3564787	MCOH3564787	MCBC15212	MCBC15211
		M-3259492	Use M-3564787 in Full sets	MCIF3564787-412	MCIF3564787-411	MCBC15412	MCBC15411
MBN	Truck	M-2250115	M-CK2250115P	MCIF2250115-C15	MCOH2250115-C15	MCBC15112	MCBC15111
				MCIF2250115-C15-612	MCOH2250115-C15-611	MCBC15612	MCBC15611
RKS	Truck	M-3564787	CK3564787P	MCIF3564787	MCOH3564787	MCBC15212	MCBC15211
				MCIF3564787-412	MCIF3564787-411	MCBC15412	MCBC15411
SDP 600HP and UP	Truck	M-3564787	CK3564787P	MCIF3564787SDP	MCOH3564787SDP	MCBC15322	MCBC15321
				MCIF3564787SDP-312	MCOH3564787SDP-311	MCBC15312	MCBC15311
		M-3259492	Use M-3564787 in Full sets				
		M-3307762	N/A Use Re ring Kit	MCIFC15E1	MCOHC15E1	MCBC15322	MCBC15321
		MCB3569946	M-CK3569946P	MCIF3569946SDP	MCOH356946SDP		
				MCIF3569946SDP-312	MCOH3569946SDP-311	MCBC15312	MCBC15311
TRB 600HP & Up	Truck	M-3307762	N/A Use Re ring Kit	MCIFC15E1	MCOHC15E1	MCBC15212	MCBC15211
		M-3564787	CK3564787P	MCIF3564787	MCOH3564787		
				MCIF3564787-412	MCOH3564787-411	MCBC15412	MCBC15411
		M-3569946	CK3569946P	MCIF3569946	MCOH3569946	MCBC15212	MCBC15211
				MCIF3569946-412	MCOH3569946-411	MCBC15412	MCBC15411



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CYLINDER COMPONENTS

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
M-1082716	6		Piston	1 pc Aluminum < 410 HP
M-3259492		6	Piston	Use M-3564787 in full engine sets
M-3564787		6	Piston	1pc Steel Piston
MCB3569946		6	Piston	1pc Steel Piston
M-3889354		6	Piston	1pc Steel Piston
M-3466615		6	Piston	
M-7C2888	6		Piston Crown	
M-1495566	6		Piston Crown	
M-1807352	6	6	Piston Crown	
M-2250115		6	Piston Crown	
M-1300241	6		Piston Skirt	
M-1326663		6	Piston Skirt	
M-1W8922	6		Piston Ring Set	
M-RS3406E1	6		Piston Ring Set	
M-RS3406E2	6	6	Piston Ring Set	2pc pistons
M-RSC15E		6	Piston Ring Set	1pc steel piston
M-RSC15E1		6	Piston Ring Set	
M-RSC15E2		6	Piston Ring Set	
RS3569946		6	Piston Ring Set	
M-RSC15E6		6	Piston Ring Set	
M-1687246	6	6	Piston Pin	
M-1807350		6	Piston Pin	1pc steel piston
M-7E1177	12	12	Piston Pin Retainer	
M-2502940		12	Piston Pin Retainer	
M-1979322	6	6	Cylinder Liner	
M-1609874	6	6	Cylinder Liner O-Ring Kit	
M-9Y3368	AR	AR	Cylinder Liner Insert - Stainless	.0324"
M-2W3815	AR	AR	Cylinder Liner Insert - Stainless	.0632"
M-9Y6054	6		Connecting Rod	Ref# 0R3780

AR = As Required

ENGINE BEARINGS

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
M-9Y7735G	6	6	Connecting Rod Bearing STD	Grooved Wide Journal
M-2243246		6	Connecting Rod Bearing STD	1pc steel pistons
M-9Y7735-010	6	6	Connecting Rod Bearing .010"	
M-7E558	6	6	Connecting Rod Bearing .025"	
M-2323235		6	Connecting Rod Bearing .025"	1pc steel pistons
M-7E559	6	6	Connecting Rod Bearing .050"	
M-2323236		6	Connecting Rod Bearing .050"	1pc steel pistons
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		Connecting Rod Bushing	
M-2296259		6	Connecting Rod Bushing	1pc steel pistons
M-2165582	7	7	Camshaft Bearing STD	
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	Idle Gear Bushing	

CRANKSHAFT SEALS & DAMPERS

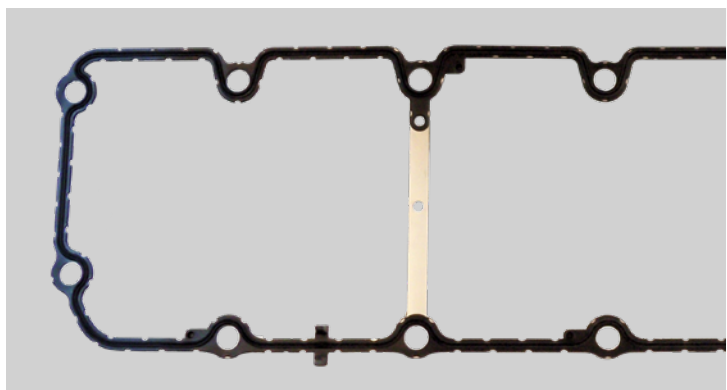
PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
M-6I1453	1		Crankshaft	w/o Gear
M-1601799		1	Crankshaft	w/o Gear
M-3370201		1	Crankshaft	
M-1425867	1	1	Front Crankshaft Seal	
M-1425868	1	1	Rear Crankshaft Seal	
M-1678126	1	1	Vibration Damper	13.5" O.D.
M-1682100	AR	AR	Vibration Damper Spacer	

AR = As Required



CYLINDER HEAD HARDWARE

PART #	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
MCBC15HBK	1	1	Cylinder Head Bolt Kit	Bolts & Washers
M-7N1961	10	10	Cylinder Head Bolt	215.9mm (8.5")
M-1241855	16	16	Cylinder Head Bolt	194mm (7.6")
M-5H1504	26	26	Cylinder Head Bolt Washer	Hard
M-3078322	3	3	Rocker Shaft Assembly	
M-1670867	12	12	Engine Brake Mounting Bolt	5.75"
M-2349508		3	Engine Brake Actuator Bolt	5.65"
M-MCB3049553		9		166.5mm
MCB7121	6	6	Injector Rocker Arm Bushing	
MCB7122	12	12	Valve Rocker Arm Bushing	
M-2038822PR	12	12	Pin and Roller Kit - Valve	
M-2075248PR	6	6	Pin and Roller Kit - Injector	
M-2818261	6	6	Exhaust Sleeve	
M-2818261RK	6	6	Exhaust Sleeve Repair Kit	Includes Gasket and Rivets
M-6I4421	1	1	Spacer Plate	
M-1389381	1	1	Spacer Plate - Undersized	-.003"
M-5P5678-6	1	1	Valve Cover Gasket	
M-5P5678-9	1	1	Valve Cover Gasket	Engine Brake Equipped
M-3044925		1	Valve Cover Isolator	SDP & B5P
M-3B645	20		Plug - Cup	
M-3B623	17		Plug - Cup	



CYLINDER HEAD COMPONENTS

PART #	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
M-1537023	12	12	Valve - Intake	
M-1753617	12	12	Valve Seat - Intake	
M-2243983		12	Valve Seat - Intake	
M-1537024	12	12	Valve - Exhaust	
M-1527582	12	12	Valve Seat - Exhaust	
M-2265561		12	Valve Seat - Exhaust	
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	Valve Spring - Inner	
M-2479908	24	24	Valve Spring - Outer	
M-6I0928	24	24	Washer - Spring Seat	
M-1862001	24	24	Rotocoil	
M-2274239	6	6	Injector Sleeve	
M-3453399	6		Injector Sleeve - Oversize	
M-2287094	6		Nose O-ring	For oversize sleeve
M-2634920		6	Injector Sleeve	Acert
M-2274239ORK	6	6	Injector Sleeve O-Ring Kit	
M-3044925		1	Rocker Cover Isolator Seal	ESN = SDP, B5R

CAMSHAFT

PART NUMBER	REMAN NUMBER	APPLICATION	DESCRIPTION	COMMON ESNs FOR REFERENCE
M-3327309	0R7653	3406E	Camshaft	5EK, 6TS
M-3323722	10R8193	C15	Camshaft	SDP
M-3327299	10R3323	C15	Camshaft	MSX
M-3327301	10R3292	3406E / C15	Camshaft	6N2, 9N2, 2WS, 1LW



FUEL SYSTEM

PART NUMBER	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-10R1273		6	Fuel Injector - Reman	Ref# 2321199 (NEW)
R-10R1273		6	Fuel Injector - Reman	Ref# 2490709 (NEW)
M-8S9191		6	Bolt - Injector Clamp	
M-2481394	6	6	Injector O-Ring Kit	
M-1052508	1	1	Priming Pump	Short
M-1375541	1	1	Priming Pump - Hi Cap	Tall
M-3848611	1	1	Transfer Pump	

LUBRICATION SYSTEM

PART NUMBER	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 w/ 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	For use on 4N733 Pump
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-0S1619		8	Bolt (3/8-16 X 3")	Sound Protection Panel
M-2401614		24	Isolator Sleeve	Standard Oil Pan

AR = As Required

COOLING SYSTEM

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
M-4W4011	1	1	Regulator - 170°	
M-2485513	1	1	Regulator - 180°	
M-2477133	1	1	Regulator - 190°	
M-3S9643	1	1	Regulator Seal	
M-3520212	1		Water Pump	Ref# 10R0483
M-3520211		1	Water Pump	Ref# 10R0484
M-3362213		1	Water Pump	Ref# 10R8660
M-7C9222	1	1	Water Pump Adapter Plate	Aluminum - Non-ACERT
M-4P2383	1	1	Water Pump Adapter Plate	Cast Iron - Non-ACERT
M-1293068	1		Water Pump Rebuild Kit**	
M-1293069	1		Water Pump Rebuild Kit**	
M-2672839		1	Water Pump Rebuild Kit**	ACERT
M-3777037		1	Water Pump Rebuild Kit**	
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

**Note: Match pump via serial # & arrangement

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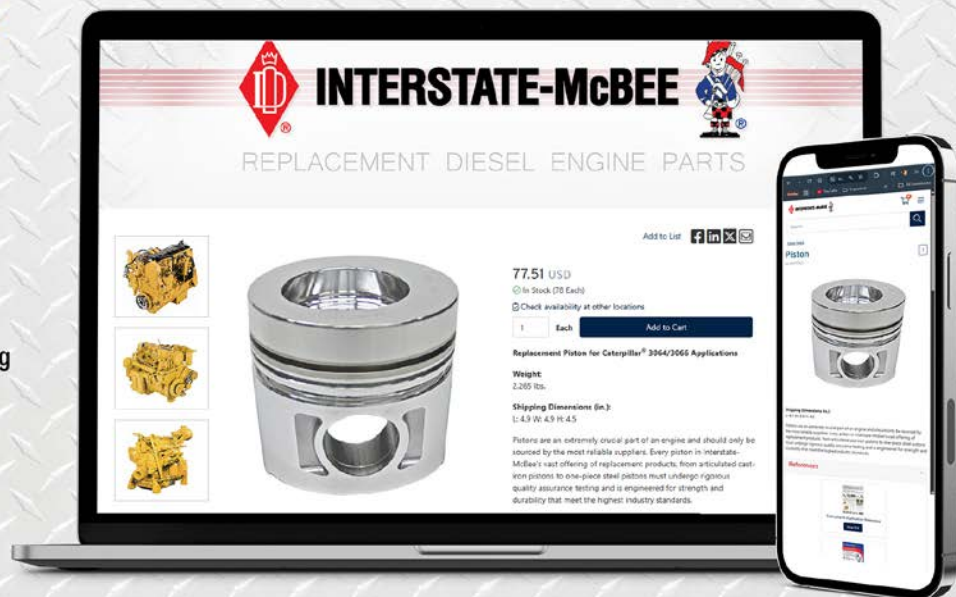
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3406E-C15 PARTS LISTING

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

EXHAUST & TURBOCHARGER

PART NUMBER	QUANTITY		DESCRIPTION	COMMENT
	3406E	C15		
MCB3406EHKT	1	1	Exhaust Hardware Kit	Complete with Port Sleeves (Non-ACERT)
MCBC15HKT		1	Exhaust Hardware Kit	Complete with Port Sleeves (ACERT)
MCB3406ESK	1		Exhaust Stud Kit	Studs & Nuts (Non-ACERT)
MCBC15ESK		1	Exhaust Stud Kit	Studs, Spacers & Nuts (Non-ACERT)
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 Gasket and Rivets
M-1965951		1	Turbocharger Assembly	6NZ & 9NZ non-ACERT
M-2410825		1	Turbocharger Installation Set	
M-2321811		1	Turbocharger Assembly	ACERT low pressure
M-2514820		1	Turbocharger Assembly	ACERT high pressure
M-2903986		1	Turbocharger Installation Set	
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		8	Turbo Mounting Locknut	ACERT

ROCKER ARM ASSEMBLY

PART NUMBER	DESCRIPTION	TYPE	APPLICATIONS
M-4373861	Rocker Arm Assembly	Injector	C15, C18
M-4373863	Rocker Arm Assembly	Valve-Intake	C15, C18
M-4373869	Rocker Arm Assembly	Valve-Exhaust	C15, C18

SENSORS

PART NUMBER	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-2842728	AR	AR	Sensor - Pressure*	
M-2566453	AR	AR	Sensor - Temperature*	
M-2644297	AR	AR	Sensor - Temperature*	

*Refers to ESN usage

AR = As Required

GASKET SETS - McBEE CUSTOM

PART NUMBER	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	
MCB3406273	1	Cylinder Head Set	

Note: Injector O-Rings are included in all McBee custom gasket sets

CUSTOM GASKET SETS FOR CAT APPLICATIONS

PART NUMBERS—SIMPLIFIED FOR EASY ORDERING

The base part number for all three custom McBee kits in each series is the same. The last digit tells you the type of kit.

- **Overhaul** sets will always end in a “1”.
- **Inframe** sets end in “2”.
- **Head Gasket** sets end in “3”.

This makes it easy to identify which set your customer needs based on the subkits required.

HOW COMPETITORS DO IT

- Modular style gasket sets sold separately
- Lots of numbers to look up
- Shipped in multiple boxes



HOW INTERSTATE-McBEE DOES IT

- One box holds everything
- Single part number
- All subkits & components neatly listed on inside lid



MCB prefix denotes this is a custom Interstate-McBee item.

Three digit code is created to note McBee custom gasket sets.

MCB**C15****092**

2 to 4 digits in the middle represent the engine application.

Last digit tells you what type of gasket set. In this case a “2” represents an inframe gasket set.

- Only one part number needed to cover multiple subkits for ease of lookup, purchase & inventory.
- Saves shelf space combining sub kits into one box.
- Less packages shipped to minimize cost & delays.
- Assembly process simplified for mechanics with all gaskets in one box and subkits clearly marked.

GASKET SETS - MODULAR

PART NUMBER	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	

GASKET SETS - ON-HIGHWAY

Following kits contain M-3590908 Head Gaskets

PART NUMBER	DESCRIPTION	ESN	COMMENTS
MCB3406461	Overhaul Gasket Set	5EK, 6TS	Contains M-3590908 Head Gasket
MCB3406462	Inframe Gasket Set		
MCB3406463	Cylinder Head Gasket Set		
MCB3406471	Overhaul Gasket Set	1LW, 1MM, 2WS, 5DS	With 3-Molded Valve Cover Gaskets Contains M-3590908 Head Gasket
MCB3406472	Inframe Gasket Set		
MCB3406473	Cylinder Head Gasket Set		
MCBC15091	Overhaul Gasket Set	6NZ, 9NZ, MBN	ALL Contain M-3590908 Head Gasket
MCBC15092	Inframe Gasket Set		MCBC15092 Does NOT Contain M-1685248 Oil Pan Isolator Seal
MCBC15112	Inframe Gasket Set		MCBC15112 contains M-1685248 Isolator Seal
MCBC15093	Cylinder Head Gasket Set		
MCBC15321	Overhaul Gasket Set	SDP	All Contain M-3590908 Head Gasket
MCBC15322	Inframe Gasket Set		Only Contains M-3044925 Rocker Cover Isolation Seal
MCBC15323	Head Gasket Set		
MCBC15211	Overhaul Gasket Set	BXS, MXS, NXS	Contains Pan gasket and Isolator
MCBC15212	Inframe Gasket Set		Contains Oil Pan Isolator M-1685248
MCBC15222	Inframe Gasket Set		Does NOT Contain Oil Pan Isolator
MCBC15213	Cylinder Head Gasket Set		

GASKET SETS - ON-HIGHWAY

Following kits contain M-5719901 Head Gaskets

PART NUMBER	DESCRIPTION	ESN	COMMENTS
MCB3406451	Overhaul Gasket Set	5EK, 6TS	Contains M-5719901 Head Gasket
MCB3406452	Inframe Gasket Set		
MCB3406453	Cylinder Head Gasket Set		
MCB3406491	Overhaul Gasket Set	1LW, 1MM, 2WS, 5DS	With 3-Molded Valve Cover Gaskets Contains M-5719901 Head Gasket
MCB3406492	Inframe Gasket Set		
MCB3406493	Cylinder Head Gasket Set		
MCBC15611	Overhaul Gasket Set	6NZ, 9NZ, MBN	ALL Contain M-5719901 Head Gasket
MCBC15612	Inframe Gasket Set		MCBC15611/12 Contain M-1685248 Isolator Seal
MCBC15693	Cylinder Head Gasket Set		
MCBC15311	Overhaul Gasket Set	SDP	All contain M-5719901 Head Gasket
MCBC15312	Inframe Gasket Set		Only Contains M-3044925 Rocker Cover Isolation Seal
MCBC15313	Head Gasket Set		
MCBC15411	Overhaul Gasket Set	BXS, MXS, NXS	All contain M-5719901 Head Gasket
MCBC15412	Inframe Gasket Set		Contains Oil Pan Isolator M-1685248
MCBC15422	Inframe Gasket Set		Does not contain M-1685248 Pan Isolator seal
MCBC15413	Cylinder Head Gasket Set		



INTERSTATE-McBEE



INTERSTATE-McBEE WARRANTY

DIESEL ENGINE PARTS (OTHER THAN FUEL INJECTION)

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 new cylinder heads which are warranted for twelve (12) months from the date of installation, without mileage or hour limitation, but total warranty period shall not exceed thirty-six (36) months from date of Interstate-McBee invoice. 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. NOTE: This warranty does not cover fuel injectors or fuel injection parts – for fuel injection, refer to Interstate-McBee's Fuel Injection Warranty below.

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, but total warranty period shall not exceed thirty-six (36) months (24 months for valve train components) from date of Interstate-McBee invoice. 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

Provided the claim procedures are followed as per instructions at www.interstate-mcbee and Interstate-McBee determines, after inspection of the suspect part that a warranty failure has occurred, the following is the maximum responsibility of Interstate- McBee. All warrantable claims will be settled by credit to the account of the originally invoiced distributor. No cash refunds will be allowed. All returned parts become the property of Interstate-McBee. This warranty is limited to restoring the engine to its functional condition existing immediately prior to the failure including progressive damage caused by the failed part to the engine.

Parts

- Any parts needed to repair the damage, other than parts supplied by Interstate-McBee, must be agreed to and approved by Interstate-McBee in advance.
- Interstate-McBee will choose to one of the following:
 1. Provide parts needed to repair damages, directly resulting from any warranty failure defined above including progressive damage to the engine caused by or direct result of the failed part maintenance items
 2. Reimburse cost for parts needed to repair warrantable failure

Maintenance Items

- Interstate-McBee will reimburse our invoiced customer for fluids and filters that are not reusable, needed to repair damages directly resulting from part failure, but must be agreed to in advance by Interstate-McBee

Labor

- Interstate-McBee will reimburse for labor not to exceed published flat rates at Interstate-McBee's hourly rate of \$50. No overtime or holiday rates will be allowed



OWNER'S RESPONSIBILITIES

Owner is responsible to properly operate and maintain the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice to the Interstate-McBee customer from whom the parts were purchased 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 freight pre-paid to Cleveland, Ohio. Additionally, a complete Electronic Control Module (ECM) 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.

Questions or appeals regarding the outcome of the warranty review must be submitted in writing within 10 days of receiving claim disposition. After claim disposition has been communicated to the customer, parts will be held for 15 days and then scrapped. If customer would like the parts returned, this must be indicated on the warranty claim form submitted with the original claim including shipping instructions. Freight on returned parts will be shipped freight collect.

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 fueling; over speeding; 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 in a previous warranty or 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 Interstate-McBee invoice. 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.

Interstate-McBee will not pay for any expense related to obtaining 3rd party parts, including OEM parts unless authorized in writing by Interstate-McBee.

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 Fuel Injection Warranty below.) 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 FUEL INJECTION WARRANTY

The fuel injector assemblies and fuel injection 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 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. No other costs or claims are covered under this warranty for fuel injector assemblies or fuel injection parts including progressive damage and labor.

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 previous warranty or 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.

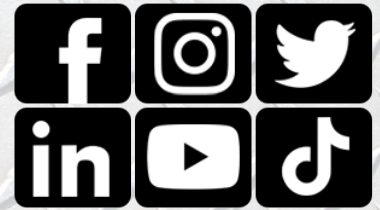
In no event shall this warranty extend beyond (twenty four (24) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for 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 Intestate-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 (i.e. non-fuel injection engine parts), see Interstate-McBee's Engine parts warranty above). 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.

The warranty is subject to change. Please visit www.interstate-mcbee.com for the latest version.



INTERSTATE-MCBEE.COM



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