

INTERSTATE-McBEE



Parts for CATERPILLAR ENGINES





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ENGINE KIT LISTING

| Line | Inframe Kit | Overhaul Kit |
|------|---------------|---------------|
| 1 | MCIF4P2990 | MCOH4P2990 |
| 2 | MCIF6I1144 | MCOH6I1144 |
| 3 | MCIF1014495 | MCOH1014495 |
| 4 | MCIF6I1210 | MCOH6I1210 |
| 5 | MCIF6I4248 | MCOH6I4248 |
| 6 | MCIF1051710 | MCOH1051710 |
| 7 | MCIF1077553 | MCOH1077553 |
| 8 | MCIF7C5668 | MCOH7C5668 |
| 9 | MCIF1154124 | MCOH1154124 |
| 10 | MCIF1051720 | MCOH1051720 |
| 11 | MCIF1077563 | MCOH1077563 |
| 12 | MCIF1077545 | MCOH1077545 |
| 13 | MCIF7E3428 | MCOH7E3428 |
| 14 | MCIF1077545 | MCOH1077545-1 |
| 15 | MCIF7E3428 | MCOH7E3428-1 |
| 16 | MCIF1077563-4 | MCOH1077563-1 |
| 17 | MCIF6I1210 | MCOH6I1210-1 |
| 18 | MCIF1154124-1 | MCOH1154124-1 |
| 19 | MCIF6I1210-2 | MCOH6I1210-2 |
| 20 | MCIF1077545-2 | MCOH1077545-2 |
| 21 | MCIF7E3428-2 | MCOH7E3428-2 |
| 22 | MCIF1077563-2 | MCOH1077563-2 |
| 23 | MCIF1077563-2 | MCOH1077563-3 |
| 24 | MCIF7C5668-1 | MCOH7C5668-1 |
| 25 | MCIF1335044 | MCOH1335044 |

| Line | Inframe Kit | Overhaul Kit |
|------|---|---------------|
| 26 | MCIF1504621 | MCOH1504621 |
| 27 | MCIF1334983 | MCOH1334983 |
| 28 | MCIF1723282 | MCOH1723282 |
| 29 | MCIF2382729 | MCOH2382729 |
| 30 | MCIF2382698 | MCOH2382698 |
| 31 | MCIF2627330 | MCOH2627330 |
| 32 | MCIF2629288 | MCOH2629288 |
| 33 | MCIF1646556 | MCOH1646556 |
| 34 | MCIF1654265 | MCOH1654265 |
| 35 | MCIF6I4248-1 | MCOH6I4248-1 |
| 36 | MCIF6I1210-4 | MCOH6I1210-4 |
| 37 | MCIF7C5668-2 | MCOH7C5668-2 |
| 38 | MCIF1077563-4 | MCOH1077563-4 |
| 39 | MCIF1154124-2 | MCOH1154124-2 |
| 40 | MCIF1334983-1 | MCOH1334983-1 |
| 41 | MCIF1504621-1 | MCOH1504621-1 |
| 42 | MCIF1504621-2 | MCOH1504621-2 |
| 43 | MCIF2382729-1 | MCOH2382729-1 |
| 44 | MCIF2382698-1 | MCOH2382698-1 |
| 45 | MCIF2382698-1 | MCOH2382698-2 |
| | | |
| | | |
| | | |
| 100 | Check Availability - Components Availa | ıble |



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.

3114/3116 PARTS LISTING

CYLINDER COMPONENTS -

| Q | ty | | |
|------|------|--------------------------|----------------------------------|
| 3114 | 3116 | Description | Comment |
| | 6 | Piston Kit | M-6I1144 Piston |
| 4 | 6 | Piston Kit | M-7E1298 Piston |
| | 6 | Piston Kit | M-1051710 Piston |
| | 6 | Piston Kit | M-4P2990 Piston |
| 4 | 6 | Piston Kit | M-7E3428 Piston |
| 4 | 6 | Piston Kit | M-1154124 Piston |
| | 6 | Piston Kit | M-1014495 Piston |
| 4 | 6 | Piston Kit | M-7C5668 Piston |
| 4 | 6 | Piston Kit | M-9Y7452 Piston |
| 4 | 6 | Piston Kit | M-1077563 Piston |
| 4 | 6 | Piston Kit - Articulated | M-6l1210 Crown |
| | 6 | Piston Kit - Articulated | M-1051720 Crown |
| | 6 | Piston Kit - Articulated | M-614248 Crown |
| | 6 | Piston Kit - Articulated | M-1427307 Crown |
| 4 | 6 | Piston Kit - Articulated | M-1077545 Crown |
| | 6 | Piston Kit - Articulated | M-1077553 Crown |
| | 6 | Piston Kit - Articulated | M-1077852 Crown |
| 4 | 6 | Piston Skirt | |
| 4 | 6 | Piston Skirt Kit | Skirt, Pin, Ring Set & Retainers |
| | | | , , , |
| 4 | 6 | Piston Pin | |
| 4 | 6 | Piston Pin - Articulated | |
| 8 | 12 | Piston Pin Retainer | |
| 4 | 6 | Piston Ring Set | |
| 4 | 6 | Piston Ring Set | |
| | 6 | Piston Ring Set | |
| AR | AR | Cylinder Salvage Sleeve | |
| | | , , | |
| 4 | 6 | Connecting Rod Assembly | Fracture Split type |
| | | | |
| | | | |
| | | | |

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ENGINE BEARINGS

| Q | ty | | |
|------|------|-------------------------------|-----------------------|
| 3114 | 3116 | Description | Comment |
| 4 | 6 | Connecting Rod Bearing - STD | |
| 4 | 6 | Connecting Rod Bearing25mm OS | |
| 4 | 6 | Connecting Rod Bearing50mm OS | |
| 3 | 3 | Main Bearing - STD | |
| 1 | 3 | Main Bearing - STD | |
| 1 | 1 | Main Bearing - STD | |
| 3 | 3 | Main Bearing25mm OS | |
| 1 | 3 | Main Bearing25mm OS | |
| 1 | 1 | Main Bearing25mm OS | |
| 3 | 3 | Main Bearing50mm OS | |
| 1 | 3 | Main Bearing50mm OS | |
| 1 | 1 | Main Bearing50mm OS | |
| | 6 | Main Bearing - STD | |
| | 1 | Main Bearing - STD | |
| | 6 | Main Bearing25mm OS | |
| | 1 | Main Bearing2 mm OS | |
| | 6 | Main Bearing50mm OS | |
| | 1 | Main Bearing50mm OS | Previous P/N M-7C6967 |
| 1 | 1 | Camshaft Bearing | |
| 4 | 6 | Camshaft Bearing | |
| 4 | 6 | Connecting Rod Bushing | |
| 1 | 1 | Idler Gear Bushing | |
| | | | |

CRANKSHAFT & SEALS

| 3116 | Description | Comment |
|------|-----------------------|------------------------|
| 1 | | |
| | Crankshaft | w/o Gear |
| | | |
| 1 | Front Crankshaft Seal | |
| 1 | Rear Crankshaft Seal | Dry Housing |
| 1 | Rear Crankshaft Seal | Wet Housing |
| | | |
| | 1 1 1 | 1 Rear Crankshaft Seal |

3114/3116 PARTS LISTING

CYLINDER HEAD COMPONENTS MUI ENGINES

| Q | ty | | |
|------|------|----------------------------------|-------------|
| 3114 | 3116 | Description | Comment |
| 4 | 6 | Valve - Intake | |
| 4 | 6 | Valve Seat - Intake | |
| 4 | 6 | Valve - Exhaust | |
| 4 | 6 | Valve Seat - Exhaust | |
| 16 | 24 | Valve Lock | |
| 8 | 12 | Valve Guide | |
| 8 | 12 | Valve Spring - Intake/Exhaust | 2.80" L |
| | 6 | Valve Spring - Intake | 2.80" L |
| | 6 | Valve Spring - Exhaust | 3.20" L |
| 8 | 12 | Spring Retainer - Intake/Exhaust | .390" Thick |
| | 6 | Spring Retainer - Intake | .390" Thick |
| | 6 | Spring Retainer - Exhaust | .540" Thick |
| 8 | 12 | Valve Stem Seal | |
| 4 | 6 | Injector Tube | |
| 8 | 12 | Pushrod - Valve | |
| 4 | 6 | Pushrod - Injector | |
| | | | |
| | | | |

| Q | ty | | |
|------|------|---------------------------|---------|
| 3114 | 3116 | Description | Comment |
| | 6 | Valve - Intake | |
| | 6 | Valve Seat - Intake | |
| | 6 | Valve - Exhaust | |
| | 6 | Valve Seat - Exhaust | |
| | 24 | Valve Lock | |
| | 12 | Valve Guide | |
| | 6 | Valve Spring - Intake | |
| | 6 | Valve Spring - Exhaust | |
| | 6 | Spring Retainer - Intake | |
| | 6 | Spring Retainer - Exhaust | |
| | 12 | Valve Stem Seal | |
| | 6 | Injector Tube | |
| | | | |
| | | | |
| | | | |

FUEL SYSTEM -

| 3116 | Description | Comment |
|-------------|---|--|
| 6 | | Comment |
| - | Fuel Injector - MUI | |
| 6 | Fuel Injector - MUI | |
| 6 | Fuel Injector - MUI | |
| 6 | Fuel Injector - MUI | |
| 6 | Fuel Injector - MUI | |
| 6 | Fuel Injector - MUI | |
| 6 | Nozzle & Tip Assembly | M-1278213 Injector |
| 6 | Nozzle & Tin Assembly | M-1278216 Injector |
| | | M-1278218 Injector |
| | | M-1278222 Injector |
| 6 | Nozzle & Tip Assembly | M-1278225 Injector |
| | | |
| 6 | Injector O-Ring - Upper | MUI |
| 6 | Injector O-Ring - Lower | MUI |
| 6 | Injector O-Ring - Upper | HEUI |
| 6 | Injector O-Ring - Lower | HEUI |
| 1 | Fuel Priming Pump | |
| 1 | Fuel Priming Pump Gasket | |
| | 6 6 6 6 6 6 6 6 6 6 6 | 6 Fuel Injector - MUI 6 Fuel Injector - MUI 6 Fuel Injector - MUI 6 Nozzle & Tip Assembly 6 Nozzle & Tip Assembly 6 Nozzle & Tip Assembly 6 Nozzle & Tip Assembly 6 Nozzle & Tip Assembly 6 Nozzle & Tip Assembly 6 Injector O-Ring - Upper 6 Injector O-Ring - Lower 6 Injector O-Ring - Lower 1 Fuel Priming Pump |

LUBRICATION SYSTEM

| Qty | | | |
|------|------|-------------|---------|
| 3114 | 3116 | Description | Comment |
| 1 | 1 | Oil Pump | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

3114/3116 PARTS LISTING

COOLING SYSTEM

| Qty | | | |
|------|------|-----------------------------|---------|
| 3114 | 3116 | Description | Comment |
| 1 | | Regulator - 94°C | |
| 1 | 1 | Regulator - 94°C | |
| 1 | 1 | Regulator Gasket | |
| 1 | 1 | Regulator Gasket | |
| | | | |
| 1 | 1 | Water Pump | |
| | 1 | Water Pump | |
| 1 | 1 | Water Pump Installation Kit | |
| | | | |
| | | | |
| | | | |



GASKET SETS - MCBEE CUSTOM -

| Q | ty | | |
|------|------|-----------------------------------|---|
| 3114 | 3116 | Description | Comment |
| 1 | | Overhaul Gasket Set | |
| 1 | | Overhaul Gasket Set - Wet Housing | All |
| 1 | | In-Chassis Gasket Set | All |
| 1 | | Cylinder Head Gasket Set | |
| | 1 | Overhaul Gasket Set | |
| | 1 | In-Chassis Gasket Set | Generator |
| | 1 | Cylinder Head Gasket Set | |
| | | | |
| | 1 | Overhaul Gasket Set | Industrial |
| | 1 | In-Chassis Gasket Set | For Wet Housing units order QTY-1 M-2223910 Rear Seal |
| | 1 | Cylinder Head Gasket Set | WIT-I WI-2223910 Neal Seal |
| | 1 | Overhaul Gasket Set | Machine - D5M/D6M, 120H, 561M, |
| | 1 | In-Chassis Gasket Set | 613C, 928F/928G/938F/950F/960F, |
| | 1 | Cylinder Head Gasket Set | 953B/953C, IT28F/IT28G/IT38F |
| | 1 | Overhaul Gasket Set | |
| | 1 | In-Chassis Gasket Set | Machine - 213B/214B/224B/240C, M318/320B/320L/320N/322/322B/ |
| | 1 | Cylinder Head Gasket Set | 322L/322N/325/325B/325L |
| | | | |
| | 1 | Overhaul Gasket Set | |
| | 1 | In-Chassis Gasket Set | Marine |
| | 1 | Cylinder Head Gasket Set | |
| | 1 | Overhaul Gasket Set | |
| | 1 | In-Chassis Gasket Set | Truck |
| | 1 | Cylinder Head Gasket Set | |
| | | | |
| | | | |

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3114/3116 PARTS LISTING

GASKET SETS - MODULAR General usage not specific

| Q | ty | | |
|------|-----------------------------|---|------------------------|
| 3114 | 3116 | Description | Comment |
| 1 | | Central & Lower Set | |
| 1 | | Front Structure Set | |
| 1 | | Fuel System Set | |
| 1 | | Oil Cooler Set | All |
| 1 | | Rear Structure Set | |
| 1 | | Turbocharger Installation Set | |
| 1 | Water Pump Installation Set | | |
| | 1 | Central & Lower Set | |
| | 1 | Front Structure Set | |
| | 1 | Fuel System Set | |
| | 1 | Oil Cooler Set | Industrial & Generator |
| | 1 | Rear Structure Set | |
| | 1 | Turbocharger Installation Set | |
| | 1 | Water Pump Installation Set | |
| | 1 | Air Compressor Set | |
| | 1 | Central & Lower Set | |
| | 1 | Front Structure Set | |
| | 1 | Fuel System Sct | |
| | 1 | Oil Cooler Set | Machine |
| | 1 | Rear Structure Set | |
| | 1 | Rear Structure Set - Wet | |
| | 1 | Turbocharger Installation Set | |
| | 1 | Water Pump Installation Set | |
| | 1 | Central & Lower Set | |
| | 1 | Front Structure Set | |
| | 1 | Fuel System Set | |
| | 1 | Oil Cooler Set | |
| | 1 | Rear Structure Set | Marine |
| | 1 | Turbocharger Installation Set | Warne |
| | 1 | Water Pump Installation Set | |
| | 1 | Seawater Pump Installation Set | |
| | 1 | Water Lines Set | |
| | 1 | Expansion Tank Set | |
| | 1 | Air Compressor Set | |
| | 1 | Central & Lower Set | |
| | 1 | Front Structure Set | |
| | 1 | Fuel System Set | Truck |
| | 1 | Oil Cooler Set | HUCK |
| | 1 | Rear Structure Set | |
| | 1 | Turbocharger Installation Set | |
| | 1 | Water Pump Installation Set lescriptions are used for reference only and it is not implied to | |

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GASKETS -

| | Qty | | | |
|------------------------------|------|----------|---------------------------|--|
| Description | 3114 | 3116 | Comment | |
| Aftercooler Gasket | | 1 | | |
| Air Compressor Mounting Seal | | 1 | | |
| Cam Follower Cover Gasket | 2 | 3 | | |
| Exhaust Manifold Gasket | 2 | 3 | | |
| Exhaust Manifold Lock | 2 | | | |
| Exhaust Manifold Lock | 2 | 5 | | |
| Exhaust Manifold Lock | 1 | 1 | | |
| Front Cover Gasket | 1 | 1 | | |
| Fuel Filter Base Gasket | 1 | | | |
| Intake Manifold Cover Gasket | 1 | | | |
| Intake Manifold Cover Gasket | | 1 | | |
| Intake Manifold Cover Gasket | | 1 | | |
| Intake Manifold Gasket | 1 | | Manifold to Cylinder Head | |
| Intake Manifold Gasket | | 1 | Manifold to Cylinder Head | |
| Oil Cooler Gasket | 1 | | Inner | |
| Oil Cooler Gasket | 1 | | Outer | |
| Oil Cooler Gasket | | 1 | Inner | |
| Oil Cooler Gasket | | 1 | Outer | |
| Oil Cooler Seal Ring | 2 | | | |
| Oil Cooler Seal Ring | | 2 | | |
| Oil Filter Base Gasket | | 1 | | |
| Oil Filter Base Seal | 3 | 2 | | |
| Oil Pan Drain Seal | 1 | | | |
| Oil Pan Drain Seal | | 1 | | |
| Oil Pan Gasket | 1 | | | |
| Oil Pan Gasket | | 1 | | |
| Oil Pickup Tube Gasket | 1 | 1 | | |
| Regulator Gasket | 1 | 1 | | |
| Regulator Gasket | 1 | 1 | | |
| Turbo Mounting Gasket | 1 | 1 | | |
| Turbo Oil Drain Gasket | 1 | 1 | | |
| Turbo Oil Supply Gasket | 1 | 1 | | |
| Valve Cover Gasket | 1 | | | |
| Valve Cover Gasket | | 1 | | |
| Water Pump Mounting Seal | 1 | <u> </u> | | |
| Water Pump Mounting Seal | 1 | | | |
| Water Pump Mounting Seal | | 1 | | |
| Trace I drip Mounting Cour | | ' | | |
| | | | | |
| | | | | |
| | | | | |

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3126/C7 PARTS LISTING

CYLINDER COMPONENTS -

| | У | | |
|------|----|--------------------------|------------------|
| 3126 | C7 | Description | Comment |
| | | | |
| 6 | | Piston Kit - Articulated | M-1723282 Crown |
| 6 | | Piston Kit - Articulated | M-1443444 Crown |
| 6 | | Piston Kit - Articulated | M-1753671 Crown |
| 6 | 6 | Piston Kit - Articulated | M-1654265 Crown |
| 6 | 6 | Piston Kit - Articulated | M-1504621 Crown |
| 6 | | Piston Kit - Articulated | M-1334983 Crown |
| 6 | | Piston Kit - Articulated | M-1335044 Crown |
| 6 | | Piston Kit - Articulated | M-1646556 Crown |
| 6 | | Piston Kit - Articulated | M-1979320 Crown |
| | | | |
| 6 | | Piston Kit | M-2382729 Piston |
| 6 | | Piston Kit | M-1979340 Piston |
| | 6 | Piston Kit | M-2780574 Piston |
| | 6 | Piston Kit | M-2382698 Piston |
| | 6 | Piston Kit | M-2382720 Piston |
| | 6 | Piston Kit | M-2807281 Piston |
| | 6 | Piston Kit | M-2627330 Piston |
| | 6 | Piston Kit | M-2629288 Piston |
| | | | |
| 6 | 6 | Piston Skirt | |
| | | | |
| 6 | 6 | Piston Pin | |
| 6 | 6 | Piston Pin - Articulated | |
| | 6 | Piston Pin | |
| | 6 | Piston Pin | |
| | 6 | Piston Pin | |
| | | | |
| 12 | 12 | Piston Pin Retainer | |
| | 12 | Piston Pin Retainer | |
| | 12 | Piston Pin Retainer | |
| | | | |
| 6 | 6 | Piston Ring Set | |
| 6 | | Piston Ring Set | |
| 6 | 6 | Piston Ring Set | |
| | 6 | Piston Ring Set | |
| | 6 | Piston Ring Set | |
| | 6 | Piston Ring Set | |
| | 6 | Piston Ring Set | |

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3126/C7 PARTS LISTING

CYLINDER COMPONENTS

| Qt | У | | |
|------|------------|-------------------------|---------------------|
| 3126 | C 7 | Description | Comment |
| 6 | 6 | Cylinder Salvage Sleeve | |
| | | | |
| 6 | 6 | Connecting Rod Assembly | Fracture Split type |
| | | | |

ENGINE BEARINGS -

| Qt | y | | |
|------|-----------|-------------------------------|-----------------------|
| 3126 | C7 | Description | Comment |
| 6 | 6 | Connecting Rod Bearing - STD | |
| 6 | 6 | Connecting Rod Bearing25mm OS | |
| 6 | 6 | Connecting Rod Bearing50mm OS | |
| | | | |
| 6 | 6 | Main Bearing - STD | |
| 1 | 1 | Main Bearing - STD | |
| 6 | 6 | Main Bearing25mm OS | |
| 1 | 1 | Main Bearing25mm OS | |
| 6 | 6 | Main Bearing50mm OS | |
| 1 | 1 | Main Bearing50mm OS | Previous P/N M-7C6967 |
| | | | |
| 1 | 1 | Camshaft Bearing | |
| 6 | 6 | Camshaft Bearing | |
| | | | |
| 6 | 6 | Connecting Rod Bushing | |
| | | | |
| 1 | | Idler Gear Bushing | Large |
| 1 | | Idler Gear Bushing | Small |
| | | | |

CRANKSHAFT & SEALS

| Qty | | | |
|------|------------|-----------------------|-------------|
| 3126 | C 7 | Description | Comment |
| | 1 | Crankshaft | w/o Gear |
| | | | |
| 1 | 1 | Front Crankshaft Seal | |
| 1 | 1 | Rear Crankshaft Seal | Dry Housing |
| 1 | 1 | Rear Crankshaft Seal | Wet Housing |
| | | | |