



AGRICULTURE

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MARINE

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PRODUCT BULLETIN



Engineered to thrive in demanding work environments.

New Cummins® ISX15 / QSX15 Coverage featuring POWERFORGED® Pistons

January 16, 2015
PB15132RG3

FP Diesel announces the availability of a comprehensive range of replacement Cummins ISX15/QSX15 engine parts including cylinder kits and components, gaskets, engine bearings and valvetrain.

The cylinder kits contain FP Diesel's exclusive POWERFORGED one-piece friction welded steel pistons. This patented piston design is made from forged steel providing exceptional strength and durability. The unique closed cooling gallery holds more oil and allows it to reach more of the piston's interior surfaces, maximizing cooling. The closed cooling gallery results in a box structure that significantly reduces piston deformity and increases support to the ring lands. These pistons are finished with an exclusive in-house manganese phosphate coating to insure greater resistance to scuffing and superior break-in.

Listed below are the pistons used in our cylinder kits. Click on the pdf link for a complete listing of our ISX15/QSX15 coverage.



FP Diesel® Engine Kits and Components for the Cummins® ISX15/QSX15 Engine
with FP Diesel replacement technologies behind every part

MLT™ HEAD GASKET SET

- 7-layer construction with advanced graphite facing material over a thicker perforated stainless steel core for increased rigidity
- Fully encapsulated grommets that allow gasket to seat properly
- Fullgraphite® body that is impervious to fluids providing greater durability
- PTFE and silicone coating provides enhanced microsealing and antistick properties
- Copper flash-coated steel wire rings that eliminate stress on the combustion armor
- 3/4" Hard stainless steel combustion armor for superior sealing

POWERFORGED® PISTONS

- Exclusive friction-welded one-piece forged steel technology
- Exceptional piston strength
- Cooler piston temperatures
- Reduced piston deformity
- Improved ring seating and ring life
- Reduced pin bore stress
- Diminished scuffing and superior break-in
- Specifically designed for the replacement market

ENGINE KITS

FP-IRN30380	Re-Ring Kit, NON-EGR
FP-IRN30380	Re-Ring Kit, EGR
FP-IRN30381	Re-Ring Kit, ISX 2010 & up, NON-EGR
FP-IRN30382	Re-Ring Kit, ISX 2010 & up, EGR

Piston Rings
Cylinder Liners, O-rings, Shims
Connecting Rod Bearings
Main Bearings
Head Gasket Set
Oil Pan Gasket

Includes MLT™ Head Gasket Set

FP-IRN30380	Re-Ring Kit, NON-EGR
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FP-IRN30381	Re-Ring Kit, ISX 2010 & up, NON-EGR
FP-IRN30382	Re-Ring Kit, ISX 2010 & up, EGR

Pistons
Piston Rings
Cylinder Liners, O-rings, Shims
Connecting Rod Bearings
Main Bearings
Head Gasket Set
Oil Pan Gasket

Includes POWERFORGED® pistons and MLT™ Head Gasket Set

Individual engine components →

FP Diesel POWERFORGED Pistons:

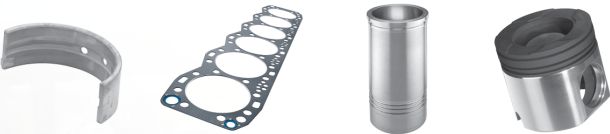
Piston	CPL	Description	Application
FP-4923743	8283, 8284, 8285, 8286, 8518, 8519, 8522	ISX 2002	On-Highway
FP-2882635	1771, 2629, 2933, 8242, 8244, 8255, 8257	ISX1 / ISX2	On-Highway
FP-2882636	2834, 2835, 2836, 2837, 2900, 8246, 8247	ISX3 / Signature	On-Highway, Power Generators
FP-4298992	2825, 8081, 8142, 8469, 8571, 8587, 8588	QSX 2007	Non Road, Power Generators, Industrial

Contact customer service for pricing and availability

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When you're ready, order all the parts you need with just one call.
00 323 450 8310
8h00 am to 17h30 pm and Friday until 15h30
www.FMe-cat.eu

FMe-cat is the online solution that offers fast, easy access to thousands of FP Diesel® replacement engine parts for medium and heavy duty commercial applications.





TRUSTED TECHNOLOGY BEHIND EVERY PART

FP Diesel® Engine Kits and Components for the Cummins® ISX15/QSX15 Engine

with FP Diesel replacement technologies behind every part

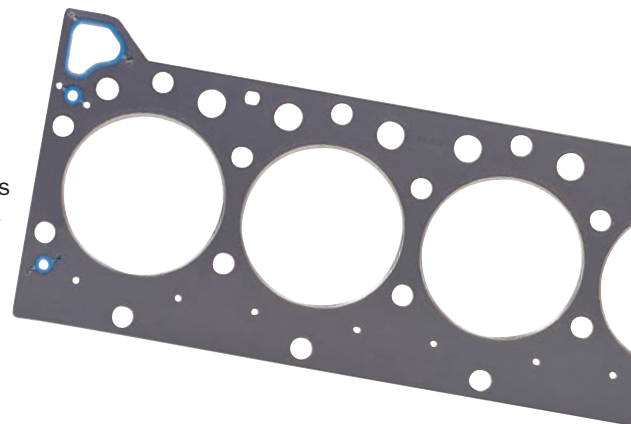


ML7™ HEAD GASKET SET

- 7-layer construction with advanced graphite facing material over a thicker perforated stainless steel core for increased rigidity
- Fully encapsulated grommets that allow gasket to seat properly
- Felgraphic® body that is impervious to fluids providing greater durability
- PTFE and silicone coating provides enhanced micro-sealing and anti-stick properties
- Copper flash-coated steel wire rings that eliminate stress on the combustion armor
- 1/4 Hard stainless steel combustion armor for superior sealing

POWERFORGED® PISTONS

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- Reduced pin bore stress
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**TRUSTED
TECHNOLOGY**

Engineered to thrive in demanding work environments.

ENGINE KITS

FP-RR4309389	Re-Ring Kit, NON-EGR
FP-RR4309389L	Re-Ring Kit, EGR
FP-RR2881719	Re-Ring Kit (ISX 2010 & up, NON-EGR)
FP-RR2881719L	Re-Ring Kit (ISX 2010 & up, EGR)

Piston Rings

Cylinder Liners, O-rings, Shims

Connecting Rod Bearings

Main Bearings

Head Gasket Set

Oil Pan Gasket



Includes ML7™ Head Gasket Set

FP-IFKISX15E	In-Frame Overhaul Kit, NON-EGR
FP-IFKISX15L	In-Frame Overhaul Kit, EGR

Pistons

Piston Rings

Pins and Retainers

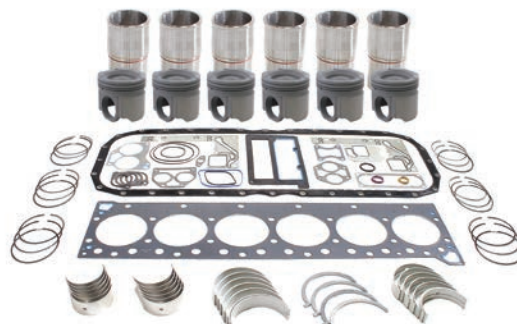
Cylinder Liners, O-rings, Shims

Connecting Rod Bearings

Main Bearings

Head Gasket Set

Oil Pan Gasket



**Includes POWERFORGED® pistons
and ML7™ Head Gasket Set**

Individual engine components →

FP Diesel® Engine Kits and Components for the Cummins® ISX15/QSX15 Engine



ENGINE BEARINGS



Connecting Rod Bearings

FP Diesel P/N	Description
FP-4089405S	Std
FP-4090016	.25mm
FP-4090017	.50mm



Main Bearings

FP Diesel P/N	Description
FP-3800298	Std
FP-4089845	.25mm
FP-4089846	.50mm



Camshaft Bearings

FP Diesel P/N	Description
FP-3680580	
FP-3680581	
FP-4026423	

POWERFORGED® PISTONS WITH FRICTION-WELDED ONE-PIECE FORGED STEEL DESIGN*



*Not sold separately

FP Diesel P/N	Description
FP-4923743	ISX 2002
FP-2882635	ISX1 / ISX2
FP-2882636	ISX3 / Signature
FP-4298992	QSX

PISTON KITS – WITH PIN, RETAINERS & RINGS



FP Diesel P/N	Description
FP-4089894	ISX 2002
FP-2881873	ISX1 / ISX2
FP-2881876	ISX3 / Signature
FP-2882120	QSX

LINER KITS



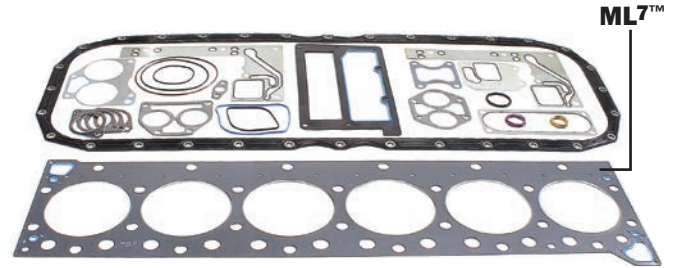
FP Diesel P/N	Description
FP-2881719	Liner w/Sealing Ring (ISX 2010)
FP-4309389	Liner w/Shim and Sealing Ring

CYLINDER KITS – COMPLETE



FP Diesel P/N	Description
FP-LK26351633	ISX Cylinder Kit, 150mm liner with shim, 2882635 Piston
FP-LK26361633	ISX Cylinder Kit, 150mm liner with shim, 2882636 Piston
FP-LK37431633	ISX Cylinder Kit, 150mm liner with shim, 4923743 Piston
FP-LK89921633	QSX Cylinder Kit, 150mm liner with shim, 4298992 Piston
FP-LK37435235	ISX Cylinder Kit, 152mm liner, 4923743 Piston
FP-LK26355235	ISX Cylinder Kit, 152mm liner, 2882635 Piston
FP-LK26365235	ISX Cylinder Kit, 152mm liner, 2882636 Piston
FP-LK89925235	QSX Cylinder Kit, 152mm liner, 4298992 Piston

GASKETS AND SEALING COMPONENTS



ML7™

FP Diesel P/N	Description
FP-4955595	ML7™ Head Gasket Set - Non EGR
FP-4955596	ML7™ Head Gasket Set - EGR
FP-186780	Thermostat Seal
FP-3678756	O-ring Turbo
FP-3680602	Thermostat Housing/Cover Gasket
FP-3682710	Exhaust Manifold Gasket
FP-3682940	Exhaust Manifold Gasket
FP-3684336	Thermostat Housing/Cover Gskt.
FP-3685535	Turbocharger Gasket
FP-3688347	Intake Manifold Gasket
FP-4026684	Oil Pan Gasket
FP-4026884	Turbocharger Gasket
FP-4907446	Exhaust Manifold Gasket
FP-4907447	Exhaust Manifold Gasket
FP-4907448	Exhaust Manifold Gasket
FP-4955383	Front Crankshaft Seal Kit
FP-4955665	Oil Seal Kit
FP-4965569	Rear Crankshaft Seal Kit
FP-5253019	EGR Valve Gasket

PISTON RING SET



FP Diesel P/N
FP-4309441

VALVETRAIN COMPONENTS



FP Diesel P/N	Description
FP-4101454	Valve, Exhaust
FP-4965868	Valve, Intake
FP-3104445	Intake Seat
FP-4026657	Valve Guide
FP-3680883	Valve Keeper
FP-3679659	Exhaust Seat
FP-3679551	Valve Spring
FP-3680884	Valve Spring Retainer

OTHER



FP Diesel P/N	Description
FP-3412860	Piston Cooling Nozzle
FP-3820320	Bypass Valve Plunger
FP-4973373	Thermostat
FP-4089908	Water Pump - 10 Rib Pulley
FP-4089910	Water Pump - 12 Rib Pulley