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**TO:** FP Diesel Customers  
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**BULLETIN:** FPD0609-4-N-708



**SUBJECT:** All New Design: Detroit Diesel Series 60 Crosshead Pistons

As one of the world's leading manufacturers of heavy-duty pistons, Federal-Mogul is pleased to announce an innovative, all new, replacement part design for the Detroit Diesel Series 60 Crosshead piston. This piston is designed for all Series 60 Crosshead applications including high-load marine, industrial, ag and on-and-off road highway.

**Federal-Mogul delivers like-new power and performance**

The industry has faced quality concerns related to the original design of the Crosshead pistons under certain operating conditions. These issues have lead to failures including but not limited to the actual top of the pistons separating from the base of the crowns. Federal-Mogul engineers redesigned the crown profile to improve under-crown cooling and made significant changes to both the rib structure and material properties resulting in an all new replacement piston. These improvements minimize unwanted stress concentration, increase fatigue resistance and strength, resulting in improved performance and life.

**Thoroughly tested**

Federal-Mogul aftermarket engineers developed the FP Diesel Series 60 Crosshead piston crown utilizing computer-aided predictive engineering to achieve a combination of improved materials and product design that will thrive in even the most brutal environment. Over 5000 hours of dynamometer testing -- with test cycles exerting maximum stress on the piston, exceeding normal operating conditions -- have proven that the new FP Diesel Crosshead replacement piston crowns resolve the quality concerns of other prior designs.

All FP Diesel pistons are designed using the latest in computer aided design (CAD); computer aided engineering (CAE) technology and thoroughly researched to ensure the proper dimensional and metallurgical requirements. When installed with FP Diesel cylinder liners and piston rings, these components develop optimum performance as part of the “power-cylinder” system.

FP Diesel parts are also covered by an industry leading warranty. FP Diesel parts are warranted for 2 years, without mileage or hour qualification. Refer to the warranty policy located in any of the eleven FP Diesel catalogs available.

The new FP Diesel Series 60 Crosshead pistons are available as part of Complete Cylinder Kits or In-Frame and Overhaul Engine Kits. For your reference, the part numbers for all of the cylinder kits and engine kits are listed below with the FP Diesel Global List Price.

**For additional information contact FP Diesel Customer Service at (800) 237-7425.  
For International inquiries call (954) 858-0300.**

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