

Technical Service Bulletin Number
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TSB140159



Technical Service Bulletin

Subject

ISX15 / QSX15 CM2250 and ISX12 / QSX12 CM2250 Engines have Fault Codes 1139, 1141, 1142, 1143, 1144, or 1145 caused by Fuel Pump Inlet Banjo Sealing Washer Debris

Issue

Engines have returned after previous repair with injector fault codes 1139, 1141, 1142, 1143, 1144, or 1145. The root cause of these fault codes is debris from the fuel pump inlet banjo sealing washer, Part Number 3963988 or 3963991, blocking the fuel returned from the fuel pump head. The most common occurrences have been noted with the following campaigns.

- C1555 ISX15 CM2250 Fuel Pump Barrel/Plunger and Tappet Campaign
- C1556 ISX12 CM2250 Fuel Pump Barrel/Plunger and Tappet Campaign

Verification

It is critical that fuel system clean care is followed during removal and installation of the fuel supply line. The presence of debris can **not** be verified after it is introduced. The location where the debris accumulates is **not** visible during service.

Resolution

When opening the fuel system, clean and inspect all components thoroughly. When removing the fuel supply line from the fuel filter outlet and the high-pressure fuel pump, discard the sealing washers as indicated in the service procedure. Before reinstalling the fuel supply line to the fuel filter outlet and the high-pressure fuel pump, clean the fuel supply line banjo fitting with contact cleaner to flush any debris that may have accumulated. Replace the fuel pump inlet banjo sealing washers and install the fuel supply line. See Procedure 006-024 in Section 6 of the appropriate service manual.

Table 1, Part Number Information		
Engine	Fuel Pump Inlet Banjo Sealing Washer Part Number	Quantity
ISX15 / QSX15 CM2250	3963988	2
ISX12 / QSX12 CM2250	3963991	2



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Figure 1, Fuel Pump Inlet Banjo Sealing Washer Debris

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Document History

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2014-11-5	Module Created

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