

<b>Technical Service Bulletin Number</b>
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TSB140168
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## Technical Service Bulletin

### Subject

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New Cummins® Service Tool Fuel Return Hose and Updated Procedure for ISX and QSX Engines with Common Rail Fuel Systems

### Warranty Statement

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

### Contents

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This document announces a new Cummins® service tool fuel return hose and updated service manual procedure.

#### Product Affected

- ISX12/ISX11.9 CM2250
- ISX12 CM2350 X102
- ISX15 CM2250
- ISX15 CM2250 SN
- ISX15 CM2350 X101
- QSX11.9 CM2250 ECF
- QSX15 CM2350 X105
- QSX15 CM2250 ECF
- QSX15 CM2350 X106
- PowerGen QSX15 CM2250
- PowerGen QSX15 CM2250 ECF

#### Reason for Change

To decrease the occurrence of falsely identifying leaking fuel pressure relief valves.

### Service Tools Available

To complete the fuel pressure relief valve return flow measurement at the fuel rail, a new Cummins® service tool has been released. Cummins® service tool, fuel return hose, Part Number 5299319, **must** be used to perform the fuel pressure relief valve return flow measurement.

### Publications Affected

The fuel pressure relief valve return flow test has been revised to state that the fuel pressure relief valve return flow should be measured at the fuel rail and **not** at the fuel drain manifold.

Measurement of the fuel pressure relief valve return flow at the fuel drain manifold is acceptable if there are accessibility issues. If the fuel pressure relief valve return flow is measured at the fuel drain manifold and the fuel flow is found out of specification, the fuel pressure relief valve return flow measurement **must** be repeated at the fuel rail.

The following procedures have been revised:

- Refer to ISX12/ISX11.9 CM2250 Service Manual, Bulletin [2883445](#). See Procedure 005-236 in Section 5.
- Refer to ISX12 CM2350 X102 Service Manual, Bulletin [4310646](#). See Procedure 005-236 in Section 5.
- Refer to ISX15 CM2250 Service Manual, Bulletin [4022250](#). See Procedure 005-236 in Section 5.
- Refer to ISX15 CM2250 SN Service Manual, Bulletin [4310736](#). See Procedure 005-236 in Section 5.
- Refer to ISX15 CM2350 X101 Service Manual, Bulletin [4310641](#). See Procedure 005-236 in Section 5.
- Refer to QSX11.9 CM2250 ECF Service Manual, Bulletin [2883561](#). See Procedure 005-236 in Section 5.
- Refer to QSX15 CM2350 X105 Service Manual, Bulletin [4332667](#). See Procedure 005-236 in Section 5.
- Refer to QSX15 CM2250 ECF Service Manual, Bulletin [2883557](#). See Procedure 005-236 in Section 5.
- Refer to QSX15 CM2350 X106 Service Manual, Bulletin [4332712](#). See Procedure 005-236 in Section 5.
- Refer to PowerGen QSX15 CM2250 Service Manual, Bulletin [4310664](#). See Procedure 005-236 in Section 5.
- Refer to PowerGen QSX15 CM2250 ECF Service Manual, Bulletin [4310661](#). See Procedure 005-236 in Section 5.

## Document History

Date	Details
2014-12-1	Module Created

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