

Technical Service Bulletin Number
--

TSB140002



Technical Service Bulletin

Subject

Electric Fuel Lift Pump Does Not Operate On ISX12 CM2350 X102, ISX15 CM2350 X101, QSX15 CM2350 X105 and QSX15 CM2350 X106 Engines

Issue

The electric fuel lift pump may **not** operate due to a lack of voltage supply from the engine control module (ECM). Engines may be difficult to start or Fault Code 4691 for low fuel rail cranking pressure may exist.

Verification

Verify the Electric Fuel Lift Pump feature in INSITE™ electronic service tool Features and Parameters is set to enable. Measure the fuel lift pump voltage as described in the appropriate service manual.

- For ISX15 CM2350 X101 engines, use the following procedure in the ISX15 CM2350 X101 Service Manual, Bulletin 4310641. [Refer to Procedure 019-397 in Section 19.](#)
- For ISX12 CM2350 X102 engines, use the following procedure in the ISX12 CM2350 X102 Service Manual, Bulletin 4310646. [Refer to Procedure 019-397 in Section 19.](#)
- For QSX15 CM2350 X105 engines, use the following procedure in the QSX15 CM2350 X105 Service Manual, Bulletin 4332667. [Refer to Procedure 019-397 in Section 19.](#)
- For QSX15 CM2350 X106 engines, use the following procedure in the QSX15 CM2350 X106 Service Manual, Bulletin 4332712. [Refer to Procedure 019-397 in Section 19.](#)

While measuring the voltage at the fuel lift pump power connector, 12 VDC is **not** present. Typical voltage measurements will be 3.5 to 4.0 VDC.

Resolution

Recalibrate the ECM with the latest calibration from QuickServe™ Online as described in the appropriate service manual.

- For ISX15 CM2350 X101 engines, use the following procedure in the ISX15 CM2350 X101 Service Manual, Bulletin 4310641. [Refer to Procedure 019-032 in Section 19.](#)
- For ISX12 CM2350 X102 engines, use the following procedure in the ISX12 CM2350 X102 Service Manual, Bulletin 4310646. [Refer to Procedure 019-032 in Section 19.](#)
- For QSX15 CM2350 X105 engines, use the following procedure in the QSX15 CM2350 X105 Service Manual, Bulletin 4332667. [Refer to Procedure 019-032 in Section 19.](#)
- For QSX15 CM2350 X106 engines, use the following procedure in the QSX15 CM2350 X106 Service Manual, Bulletin 4332712. [Refer to Procedure 019-032 in Section 19.](#)

NOTE: Cummins Inc. strongly recommends use of the engine-mounted 3-pin Deutch™ connector for all ECM calibration downloads. Failure to use the 3-pin Deutch™ connector could result in a failure of the calibration transfer.

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

Date	Details
2014-1-8	Module Created
2015-1-12	QSX15 CM2350 X105 and QSX15 CM2350 X106 engines were added to the TSB content.

Last Modified: 12-Jan-2015

Copyright © 2000-2010 Cummins Inc. All rights reserved.