Technical Service Bulletin

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Proper Troubleshooting of Fault Code 7238	

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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.

Contents

Product Affected

- ISX12N CM2380 X120B

Issue

Fault Code 7238 "Fuel Control Module - Abnormal Update Rate" is a fault code that indicates loss of communication on the private J1939 network to the Continuous Flow Valve (CFV) and/or loss of unswitched power supply to CFV pin 1. When logged in combination with other fault codes, the other fault codes should be troubleshot first to prevent unnecessary replacement of the CFV.

Verification

- If Fault Code 7238 is inactive and older than 25 ECM hours do **not** troubleshoot.
- If Fault Code 7238 is active or inactive with one or more counts less than 25 hours old, look for other fault codes in Resolution section. If no other faults present, follow troubleshooting steps for Fault Code 7238.
- Pay close attention to CFV, Fuel System Extension Harness, and OEM 31 pin connectors for connectors not fully seated, pins pushed back, expanded pins, pin corrosion, etc.

Resolution

- If Fault Code 7238 is paired with Fault Code 6631, follow troubleshooting steps for Fault Code 441. This failure mode indicates an issue with the unswitched OEM power supply or wiring.
- If Fault Code 7238 is paired with Fault Code 3367, follow troubleshooting steps for Fault Code 7239. This failure mode indicates an issue with the FS17B fuel system relay or relay wiring circuits.

Document History

Date	Details

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2020-1-16	Module Created

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