



Technical Service Bulletin

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Improper Continuous Flow Valve Replacement: Low Fuel Outlet Pressure	

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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

Improper replacement of continuous flow valves.

Symptoms:

- Replacement of the continuous flow valve that does **not** resolve the complaint.
- Examples of common complaints **not** resolved by continuous flow valves replacement include but are not limited to:
 - Misfire fault codes: 5895, 5896, 5897, 5898, 5899, 5911, 5914, 6413, 6425, 6426, 6427, 6428, 6429, 6431
 - Rough running
 - Engine stalls or shuts down

Root Cause

- Incorrect diagnostics are leading to improper replacement of continuous flow valves. Repair notes frequently report INSITE™ electronic service tool parameter “Fuel Regulator Outlet Pressure” as being out of specification, below specification, low, erratic, or negative.

Resolution

- Do **not** replace continuous flow valves outside of published troubleshooting. The continuous flow valve **only** appears as a solution in troubleshooting trees for fault codes related to known continuous flow valves failure modes.
- Do **not** refer to fuel regulator outlet pressure on affected product for troubleshooting unless directed by standard published troubleshooting. Fuel outlet pressure may appear erratic, low, and/or negative on a good running engine.
- Do **not** reference fuel regulator outlet pressure specification. The fuel regulator outlet pressure specification does **not** apply to affected product’s fuel system. The affected product does **not** use a low-pressure Regulator.
- The affected product does **not** have a fuel regulator outlet pressure specification.
- The affected product’s continuous flow valve has an internal electronic regulator, the fuel regulator outlet pressure will vary significantly depending on fuel flow requirements. The continuous flow valve is a J1939 smart device that runs internal diagnostics on fuel outlet pressure and will log a continuous flow valves related fault code if there is fuel regulator outlet pressure issue.

Document History

Date	Details
2021-5-13	Module Created

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