



Technical Service Bulletin

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Engine Stumbles During Acceleration	

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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

Engines:

- ISL9 CM2350 L101

Application:

- Transit Bus (For Model Year 2014-2016 **Only**)

Issue

Symptom:

- There are instances of engine stumbling issues experienced by the customer while accelerating from standstill condition.
- Instances of Fault Code 559 with amber MIL can occur.

Root Cause:

- Fuel pump actuator could be sticky and behave erratically sometimes. The fuel pump actuator may be malfunctioning.

Verification

- If this vehicle has been repaired within the last 30 days for the same symptom, then reference published troubleshooting.
- If there is a FC559 but no performance issue like stumbles during acceleration, proceed with the published troubleshooting tree for FC559.
- If engine stumbles on acceleration with or without FC559, then perform fuel pump actuator malfunctioning steps mentioned below.

Verification Instruction:

Conditions

- Engine running at high idle.
- Connect the recommended Cummins® electronic service tool or equivalent.

Action

- Use the recommended Cummins® electronic service tool or equivalent.
- Monitor Commanded Fuel Rail Pressure.
- Monitor Measured Fuel Rail Pressure.

Specification

- Proceed to the Repair section below if the Measured Fuel Rail Pressure deviates from the Commanded Fuel Rail Pressure by more than following: 100 bar [1450 psi]

Resolution

- If the commanded fuel rail pressure is **not** within the specification listed above, then replace the fuel pump actuator. See ISL9 CM2350 L101 Service Manual, Bulletin 4310787. Refer to Procedure 019-117 in Section 19. (/qs3/pubsys2/xml/en/procedures/185/185-019-117-tr.html)

Document History

Date	Details
2020-4-2	Module Created
2020-4-6	Quick Fix application:
2020-4-9	Corrected misspelling.

Last Modified: 09-Apr-2020
