



Technical Service Bulletin

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Fault Code 4713 and Injector Isolation Test Procedure	

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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

- ISB6.7 CM2350 B101
- B6.7 CM2350 B121B

Issue

Fault Code 4713 is a fueling error diagnostic for equally malfunctioning injectors. The diagnostic has recognized the collective fueling between injectors has drifted beyond a known threshold. The existing fuel injector troubleshooting procedure utilizes drain flow measurements to determine injector health for Fault Code 4713. Unless injector drain measurements are isolated, collective drain measurements will **not** be able to identify the source of the malfunction.

Resolution

- Perform High-Pressure Fuel Injector Return Flow Test:
 - See the ISB6.7 CM2350 B101 Service Manual, Bulletin 2883567. Refer to Procedure 005-236 (/qs3/pubsys2/xml/en/procedures/155/155-005-236-tr-isb13.html) in Section 5.
 - See the B6.7 CM2350 B121B Service Manual, Bulletin 5411223. Refer to Procedure 005-236 (/qs3/pubsys2/xml/en/procedures/455/455-005-236.html) in Section 5.

- Collect three different flows and average the results.
- Record the values and replace any two injectors creating the greatest reduction in drain flow measurements when capped off individually.
- Example Return Flow Test Results: Injector number 2 and number 6 are to be replaced as return flow values drop below nominal when capped off. See Table 1 below.
- If no individual injector drain flow measurement stands out, contact Cummins Care at 1-800-CUMMINS™ (1-800-286-6467) or follow the technical escalation process.

Table 1, Example Return Flow Test Results

Cylinder(s) Blocked	0	1	2	3	4	5	6
ml in 30 seconds	145	140	120	142	134	135	125
fl-oz in 30 seconds	4.9	4.7	4	4.8	4.5	4.6	4.2

Document History

Date	Details
2016-1-20	Module Created
2016-9-23	Added B6.7 CM2350 B121B.
2021-5-4	Updated Resolution section to include contact phone number.

Last Modified: 04-May-2021
