

Technical Service Bulletin Number
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TSB150038



Technical Service Bulletin

Subject

Improper Exhaust Gas Recirculation (EGR) Cooler Replacement with No Failure Found

Issue

Exhaust Gas Recirculation (EGR) coolers returned to the factory, stated to be failed because of internal coolant leaks, were tested and found to be within specification.

The EGR coolers tested by the factory were found to have acceptable measured pressure loss and no continuous formation of bubbles near the gas tubes or bulkhead while performing the EGR cooler pressure test.

The EGR coolers, incorrectly stated to be failed because of internal coolant leaks, were replaced for the following reason(s):

- Signs of moisture in the EGR cooler
- Signs of moisture in the EGR crossover tube
- Hard to diagnose low coolant level fault codes

Verification

Product Affected:

- ISX12 G CM2180 EJ
- ISL G CM2180

The EGR cooler pressure test **must** be performed to determine if the EGR cooler is leaking coolant. Moisture in the EGR crossover tube or EGR cooler may be water condensation and is **not** adequate evidence that the EGR cooler is leaking. Reference the corresponding EGR

cooler procedure:

- See ISX12 G CM2180 EJ Service Manual, Bulletin 4310682. [Refer to Procedure 011-019 in Section 11](#)
- See ISL G CM2180 Service Manual, Bulletin 4021649. [Refer to Procedure 011-019 in Section 11.](#)

Resolution

The EGR cooler should **only** be replaced for the following reason(s):

- EGR cooler does **not** pass the EGR cooler pressure test
- EGR cooler does **not** meet the reuse guidelines defined in the clean and inspect for reuse section of Procedure 011-019 in section 11 of the corresponding Service Manual

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
2015-3-18	Module Created
2015-3-20	none
2016-6-22	Added ISL G CM2180 to Product Affected.
2016-6-23	Added procedure reference for ISL G CM2180.

Last Modified: 24-Jun-2016

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