



Technical Service Bulletin

Technical Service Bulletin: TSB170119	Released Date: 01-Feb-2021
Charging System Alternator Bracket Malfunction	

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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.

Information Only - OEM Related Matter Not Covered By Cummins® - Contact Appropriate OEM Dealer or OEM Representative For Additional Information

Contents

Product Affected

- B6.7 CM2350 B121B
- B6.7 CM2450 B155B
- B6.7N CM2380 B150B
- ISB6.7 CM2350 B101
- ISB6.7G CM2180 B118

Issue

Symptom:

- Charging system alternator / refrigerant brackets can cause cracking to initiate near cylinder head coolant thermostat housing.

Root Cause:

- Use of non-approved Dual Freon™ compressor system installed by aftermarket suppliers like Mobile Climate Control (MCC) and Bus Air.
- Aftermarket suppliers utilize a non-approved bracket painted red or black. See Figure 1 below.



Figure 1, Non-Approved Bus Air Charging System Alternator Bracket.

Verification

- Installation of a non-approved system alternator bracket. See Figure 1 and 2.
- Coolant leak at coolant thermostat housing. See Figure 3 and 5 below.
- Cylinder head cracking. See Figure 3 below.

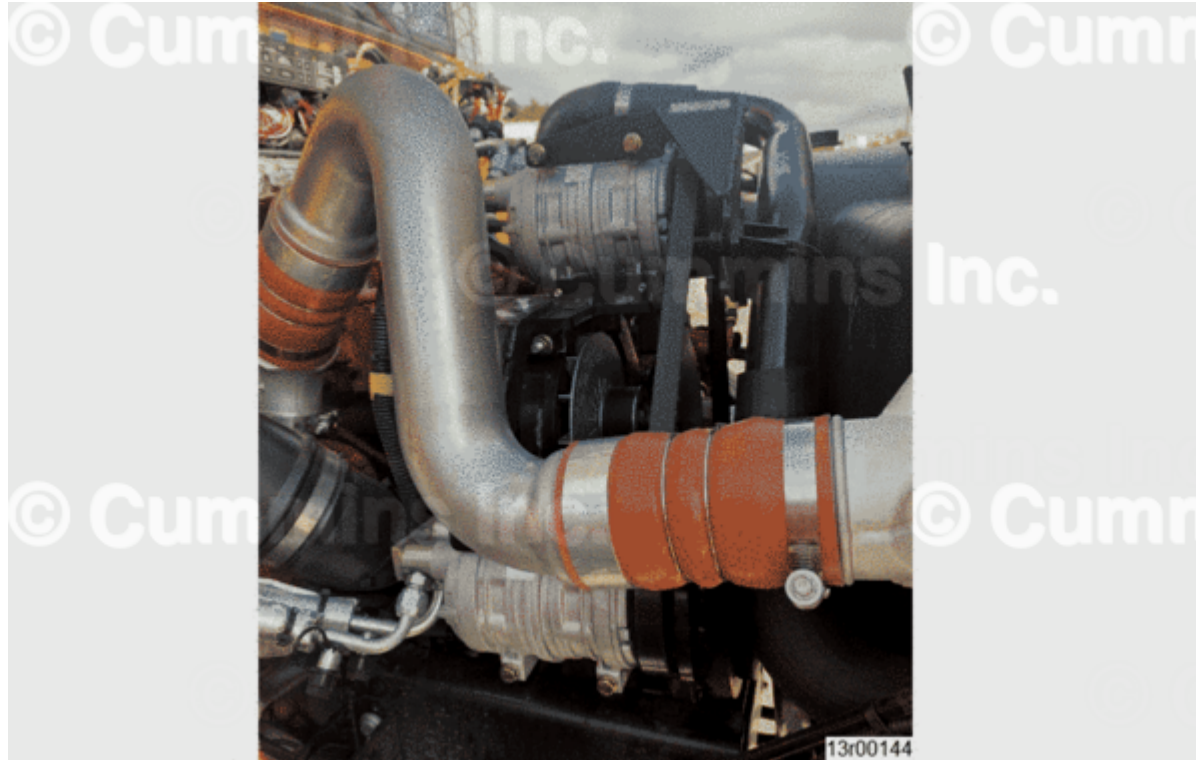


Figure 2, Non-Approved Mobile Climate Control (MCC) Charging System Alternator Bracket.



Figure 3, Coolant Leak at Coolant Thermostat Housing.

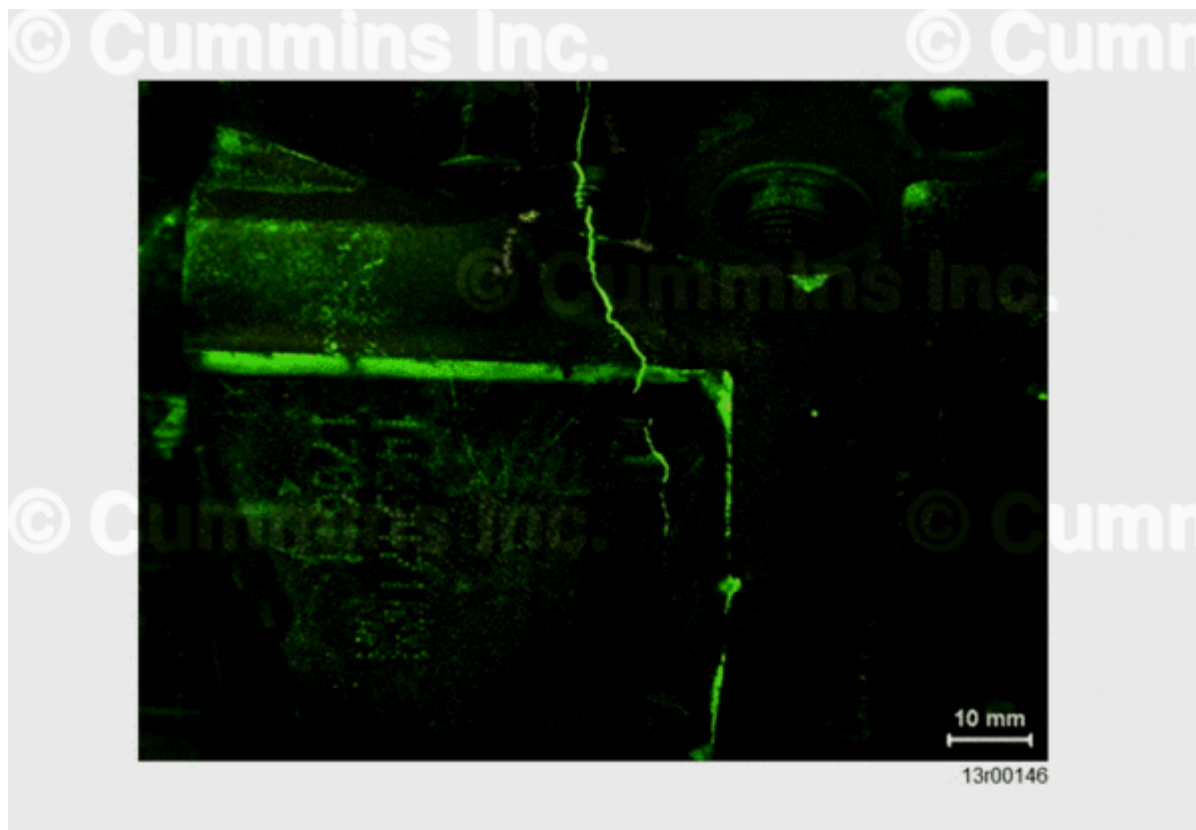


Figure 4, Magnetic Particle Inspection of Figure 3.



Figure 5, Coolant Leak at Coolant Thermostat Housing.



Figure 6, Magnetic Particle Inspection of Figure 5.

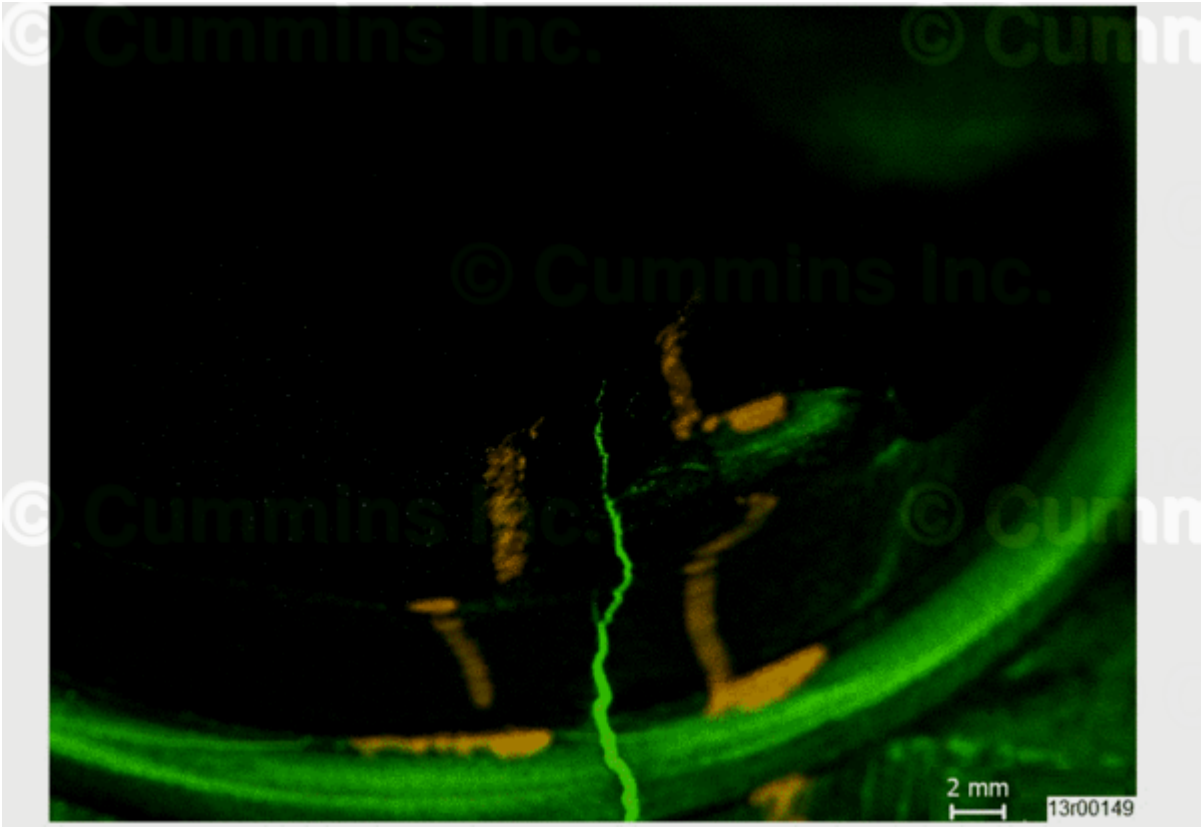


Figure 7, Magnetic Particle Inspection of Figure 5.

Resolution

- Installation of any non-approved charging system alternator bracket will **not** be covered under Cummins® warranty.
- Repair locations are to contact their aftermarket supplier representative for repair guidance.

Document History

Date	Details
2017-11-20	Module Created
2020-9-30	Made corrections to procedure.
2020-10-9	Removed mention of IC Bus.

Date	Details
2021-1-26	Added engines. Added Figures of crack test results.

Last Modified: 01-Feb-2021
