



# Technical Service Bulletin

**Technical Service Bulletin:** TSB180025

**Released Date:** 10-Feb-2022

**Damaged Coolant Thermostat Identified by Fault Codes: 146, 151, 1962, 2646, and 2963**

## Damaged Coolant Thermostat Identified by Fault Codes: 146, 151, 1962, 2646, and 2963

### 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

- ISL9 CM2250
- ISL9 CM2350 L101
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L123B

#### Issue

##### Symptom:

- Fault Codes
  - 146
  - 151
  - 1962
  - 2646
  - 2963
- Improper function of coolant thermostat.
- Excessive coolant temperature.
- Engine unable to reach operating temperature.

##### Root Cause:

- Fatigue malfunction caused by internal pressure.

#### Verification

Inspect coolant thermostat for damage. See Figure 1.

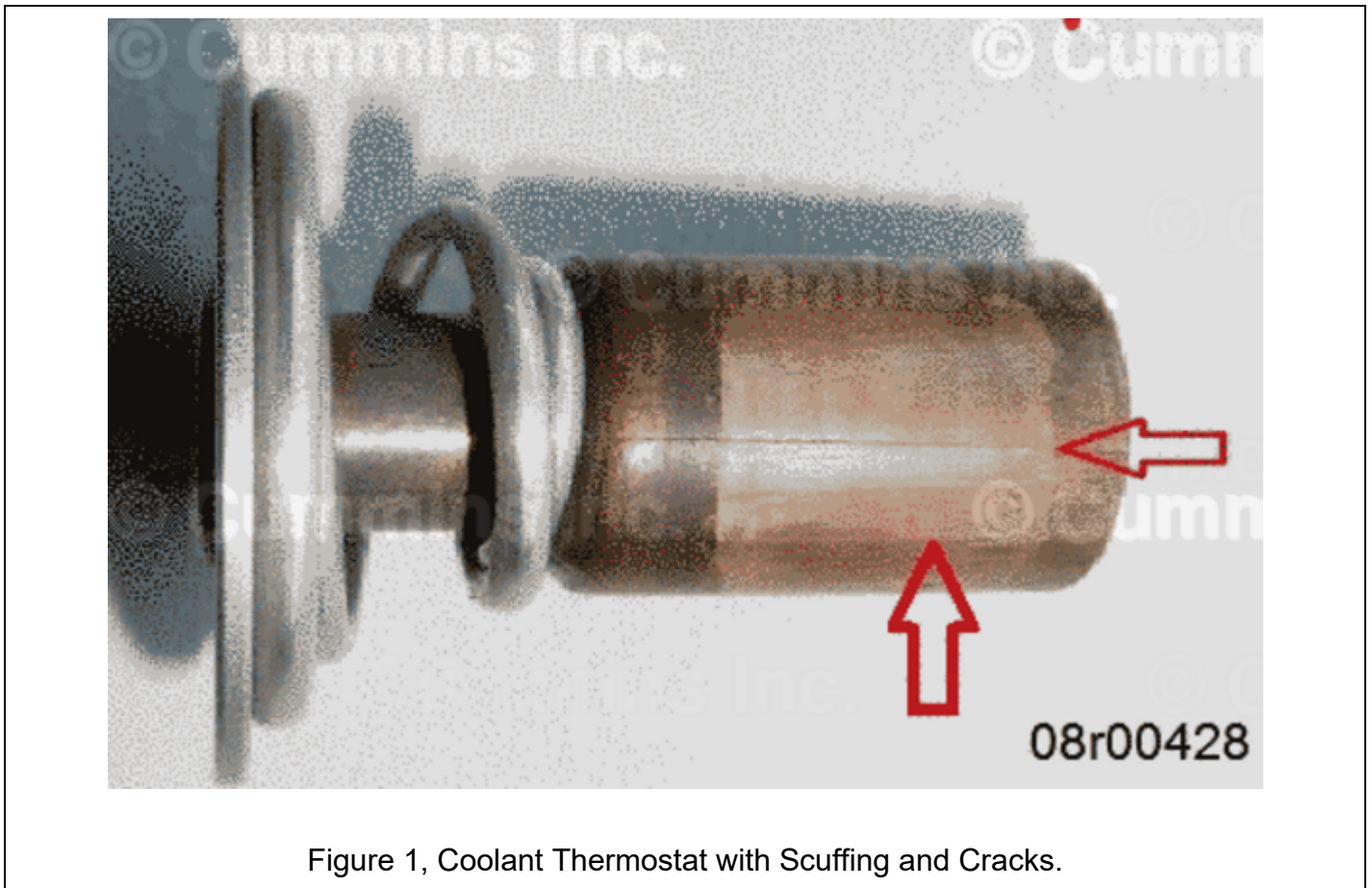


Figure 1, Coolant Thermostat with Scuffing and Cracks.

**Resolution**

Replace coolant thermostat with the new part number in Table 1 below. Reference Procedure 008-013 in the corresponding Service Manual.

**Service Parts Availability**

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Coolant Thermostat	5273379	No	No	5478594

**Document History**

Date	Details
2018-2-27	Module Created

Date	Details
2018-9-18	Non-Product Problem Solving (PPS)
2020-2-10	Corrected broken procedure reference to 008-013. Edited the reference to be general since there are multiple projects listed in TSB 180025.
2022-2-9	Added L9 CM2350 L119B

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**Last Modified: 10-Feb-2022**

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