

<b>Technical Service Bulletin Number</b>
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TSB150071
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## Technical Service Bulletin

### Subject

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Intake Manifold Pressure/Temperature Sensor Water Intrusion Resulting in Fault Code 122, 123, 124, 125, or 2973

### Issue

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Product Affected:

- ISB6.7 CM2350 B101
- B6.7 CM2350 B121B
- ISL9 CM2350 L101
- ISX12 CM2350 X102
- ISX15 CM2250 SN
- ISX15 CM2350 X101
- QSB6.7 CM2250 EC
- QSB6.7 CM2350 B105
- QSL9 CM2250 L115
- QSL9 CM2350 L102
- QSX15 CM2350 X106

Symptom:

- Fault Code(s) 2973, 122, 123, 124, or 125.

Root Cause:

- New intake manifold pressure/temperature sensor, Part Number 2897333 and 2897334, were released in July 2014. The capacitor in the new intake manifold pressure/temperature sensor is **not** completely covered in protective silicone gel, leaving the capacitor exposed. Moisture intrusion from water spray and water/ice

accumulation on the air intake manifold can cause corrosion and incorrect sensor readings.

**NOTE: This issue does not affect obsolete intake manifold pressure/temperature sensor, Part Number 2872784 or 4921322.**

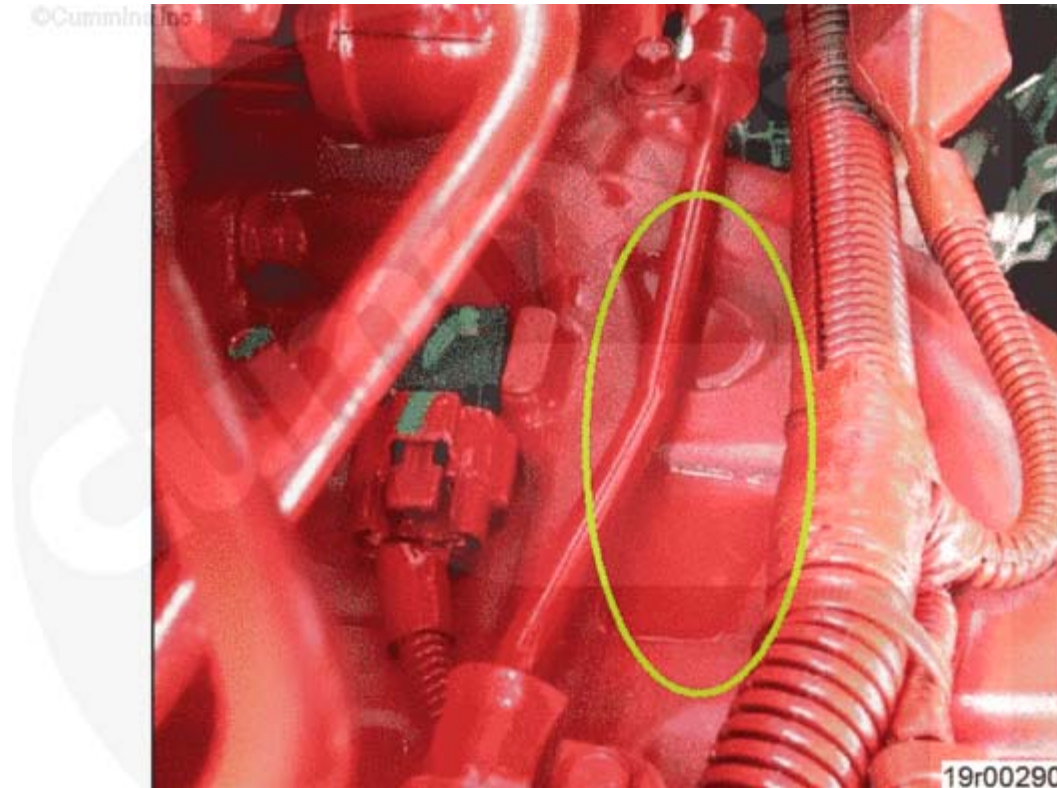


Figure 1, Water Accumulation On Air Intake Manifold.

## Verification

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1. Use INSITE™ electronic service tool to check for active or inactive Fault Code(s) 2973, 122, 123, 124, or 125.
2. If any fault codes listed above are present, remove intake manifold pressure/temperature sensor and confirm part number is 2897333 or 2897334. Part number can be found on connector.
3. If part number is 2897333 or 2897334, locate 16-digit serial number on intake manifold pressure/temperature sensor connector. See Figure 2 below.
4. For part number 2897334, if serial number is 91514383xxxxxxx or above, published troubleshooting should be resumed. If serial number is 91514382xxxxxxx or below, reference Resolution section below.
5. For part number 2897333, if serial number is 56514383xxxxxxx or above, published troubleshooting should be resumed. If serial number is 56514382xxxxxxx or below, reference Resolution section below.



Figure 2, Serial Number Location on Intake Manifold Pressure/Temperature Sensor.

Table 1, Intake Manifold Pressure/Temperature Sensor Serial Number Range		
Part Number	Serial Number	Status
2897334	91514383xxxxxxx and above	OK
	91514382xxxxxxx and below	Not OK
2897333	56514383xxxxxxx and above	OK
	56514382xxxxxxx and below	Not OK

## Resolution

If issue has been verified and intake manifold pressure/temperature sensor serial number range status is **Not** OK per Table 1, replace with part number 2897334 or 2897333, which has a serial number status that is OK per Table 1.

**NOTE:** Obsolete intake manifold pressure/temperature sensor, Part Number 2872784, can also be used to replace intake manifold pressure/temperature sensor, Part Number 2897334. Obsolete intake manifold pressure/temperature sensor, Part Number 4921322, can also be used to replace intake manifold pressure/temperature sensor, Part Number 2897333.

## Warranty Statement

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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

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Date	Details
2015-5-14	Module Created
2016-8-16	Added ISB6.7 CM2350 B101, QSB6.7 CM2250 EC, QSB6.7 CM2350 B105, QSL9 CM2250 L115, and QSL9 CM2350 L102 to Product Affected section.
2016-9-21	Added B6.7 CM2350 B121B.
2017-1-17	Added part number 2897333 and 4921322. Updated formatting.

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**Last Modified: 20-Jan-2017**

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