Technical Service Bulletin

Technical Service Bulletin: TSB190091	Released Date: 13-Apr-2026
Incorrect Pressure/Temperature Sensor: Fault Code 125, 222, 295, 743, 1664, 2191, 2973, 5989	

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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

- B6.7 CM2350 B121B
- B6.7 CM2450 B155B
- ISB6.7 CM2150 (EPA 2007)
- ISB6.7 CM2250 (EPA 2010)
- ISB6.7 CM2350 B101
- ISC CM2150
- ISC CM2250
- ISL CM2150
- ISL CM2250
- ISL CM2350 L101
- ISM CM876
- ISX11.9/12 CM2250
- ISX12 CM2350 X102
- ISX15 CM2250
- ISX15 CM2350 X101
- ISX15 CM871
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L120C
- L9 CM2450 L126B
- QSB6.7 CM2250
- QSB6.7 CM2350 B105

- QSF3.8 CM2350 F107
- QSL9 CM2250
- QSL9 CM2350 L102
- QSX15 CM2250
- QSX15 CM2350 X105
- X12 CM2350 X119B
- X12 CM2450 X137B
- X15 CM2350 X114B
- X15 CM2350 X116B
- X15 CM2450 X124B
- X15 CM2450 X134B

Issue

Symptom:

- Fault Codes
  - 125
  - 222
  - 295
  - 743
  - 1664
  - 2191
  - 2973
  - 5989
- Low power
- White smoke
- Engine misfire
- Aftertreatment performance complaints

Root Cause:

- Incorrect pressure/temperature sensor installed in the incorrect location on the engine.

Verification

- Remove the pressure/temperature sensor in question and verify pressure/temperature sensor part number.
- View pressure/temperature sensor values in a key on engine off condition using Cummins® electronic service tool or equivalent, an incorrect pressure/temperature sensor can give an incorrect value.
- At key ON engine off, the barometric air pressure should read the local barometric air pressure, and the intake manifold pressure should read 0.0 in-hg.

Resolution

Refer to QuickServe Online parts catalog on to determine the correct sensor to use in the correct location for a given engine.

Install correct pressure/temperature sensor. See Table 1 for part numbers.

Table 1, Sensor Part Number and Application

Part Number	Pressure Sensing Range, mm- hg [in- hg]	Application	Alternate Part Numbers
2897332	330 mm-hg [13 in- hg] to 838 mm-hg [33 in-hg]	Barometric air pressure and/or turbocharger compressor intake pressure	4921850, 5698454
2897333	330 mm-hg [13 in- hg] to 1574.8 mm-hg [62 in-hg]	Intake manifold pressure on 6.7L or smaller engines	4921322, 5698455
2897334	330 mm-hg [13 in- hg] to 3810 mm-hg [150 in-hg]	Intake manifold pressure on 8.3L or larger engines	4921324, 2872784, 5698456

Part Identification

- Pressure/temperature sensor part number is located on underside of pressure/temperature sensor body.
- Pressure/temperature sensor **must** be removed to verify part number. See Figures 1 and 2 for part number location. See Figures 3 and 4 for pressure/temperature sensor similarity examples.



Figure 1, Pressure/Temperature Sensor Part Number Location.



Figure 2, Pressure/Temperature Sensor Alternate Part Number Location



Figure 3, Pressure/Temperature Sensor Similarity Example.



Figure 4, Pressure/Temperature Sensor Alternate Part Number Location Similarity Example

Document History

Date	Details
2019-6-5	Module Created
2019-12-20	Non-Product Problem Solving (PPS)
2021-9-20	Updated Product Affected. Added Fault Code 743.
2022-8-4	Added Fault Code 5989.
2023-1-10	Added QSF3.8 CM2350 F107.
2024-10-18	Added fault codes in Symptom section. Updated Table 1 to include alternate part numbers.
2025-4-15	Added fault code 295 to TSB title and symptom section.
2026-2-24	Added figures 2 and 4 for better identification.
2026-4-2	Added L9 CM2350 L120C

Last Modified: 13-Apr-2026