



# Technical Service Bulletin

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<b>Technical Service Bulletin:</b> TSB130113	<b>Released Date:</b> 11-Nov-2020
<b>Fault Code 4585 After Engine Control Module (ECM) Calibration Update</b>	

## Fault Code 4585 After Engine Control Module (ECM) Calibration Update

### Core Issue

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#### Product Affected

- ISB CM2350 B101
- ISL CM2350 L101
- ISX12 CM2350 X102
- ISX15 CM2350 X101

#### Symptom:

- Fault Code 4585 coming active after engine control module (ECM) calibration or ECM calibration code change

#### Root Cause:

- Mismatch between the ECM code and the aftertreatment SCR temperature sensor module
- A population of engines do **not** have a compatible aftertreatment selective catalyst reduction (SCR) temperature sensor module. Fault Code 4585 is a diagnostic that runs continuously for the first 50 hours of Engine Run Time to verify calibration and SCR compatibility. If the unit does **not** have the compatible aftertreatment SCR temperature sensor module with the new calibration, Fault Code 4585 could become active.

### Confirmation

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If Fault Code 4585 is active, ECM calibration code **must** be verified as compatible with the aftertreatment SCR catalyst installed.

- For ISX12 and ISX15 engines, follow the instructions in SCR compatibility tool
- For ISB and ISL engines, follow the instruction in TSB150105

## Resolution

To clear the active Fault Code 4585, a new aftertreatment SCR temperature sensor module **must** be installed. See Table 1 below. See corresponding Service Manual. Reference Procedure 019-449 in Section 19.

### Service Parts Availability

Table 1, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Sensor, Aftertreatment SCR Temperature	4307100	No	No	4384811
Sensor Aftertreatment SCR Temperature (24 V)	4307102	No	No	5461614

## 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
2013-7-29	Module Created
2020-2-7	Updated root cause section.
2020-11-10	Updated Table 1 with new part number 5461614.

**Last Modified: 11-Nov-2020**

