



# Technical Service Bulletin

Technical Service Bulletin: TSB130113	Released Date: 10-Mar-2020
Fault Code 4585 After Engine Control Module (ECM) Calibration Update	

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

### Core Issue

#### 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

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

<b>Table 1, Service Parts</b>				
<b>Part Description</b>	<b>Existing Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Part Number</b>
Sensor, Aftertreatment SCR Temperature	4307100	No	No	4384811

## 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

<b>Date</b>	<b>Details</b>
2013-7-29	Module Created
2020-2-7	Non-Product Problem Solving (PPS)

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**Last Modified: 10-Mar-2020**

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