

<b>Technical Service Bulletin Number</b>
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TSB160093
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## Technical Service Bulletin

### Subject

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Aftertreatment Intake NOx Sensor Malfunction and Incorrect Engine Control Module (ECM) Calibration Tuning Resulting in Fault Code 3748

### 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.

### Contents

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#### Product Affected

- ISX12 CM2350 X102
- ISX15 CM2350 X101

#### Issue

Symptom:

- Fault Code 3748

Root Cause:

- Aftertreatment intake NOx sensor internal heater degradation.

#### Verification

- Verify build date of aftertreatment intake NOx sensor. See Figure 1 below for

aftertreatment intake NOx sensor build date location.

- If build date of aftertreatment intake NOx sensor is prior to August 2014, see Resolution section below.



Figure 1, Aftertreatment Intake NOx Sensor Base Plate with Build Date (YYMMDD) Highlighted.

- Verify the engine control module (ECM) calibration code has a revision date of August 2016 or later.
- If ECM calibration code has a revision date prior to August 2016, see the Resolution section below.

### Resolution

- If aftertreatment intake NOx sensor has a build date prior to August 2014, replace the aftertreatment intake NOx sensor. See the corresponding Service Manual. Reference Procedure 019-463 in Section 19.
- If ECM calibration code has a revision date prior to August 2016, calibrate ECM. See the corresponding Service Manual. Reference Procedure 019-032 in Section 19.

## Document History

Date	Details
2016-9-1	Module Created

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**Last Modified: 02-Sep-2016**

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