



# Technical Service Bulletin

**Technical Service Bulletin:** TSB210183

**Released Date:** 21-Mar-2022

**Fault Code 5655: SCR System Test Failing NOx Sensors on Low Hour Aftertreatment Systems**

## Fault Code 5655: SCR System Test Failing NOx Sensors on Low Hour Aftertreatment Systems

### 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

- L9 CM2450 L126B

#### Issue Summary Symptom:

- The SCR System test fails the NOx sensor rationality portion of the test, directing the technician to replace the NOx sensors.

#### Root Cause:

- If the unit has over 200 engine hours and has **not** had the aftertreatment replaced, proceed with published troubleshooting direction.
- Software tuning can cause the SCR System Test to falsely fail NOx sensors when the aftertreatment diesel oxidation catalyst (DOC) and/or aftertreatment selective catalytic reduction catalyst (SCR) have less than 200 engine hours.

#### Verification

- Verify the aftertreatment SCR catalyst or aftertreatment DOC have less than 200 engine hours.
- Compare the ECM code and revision number in the ECM to the calibration revisions listed in the ECM Calibration Revision History Database on QuickServe® Online (QSOL) for applicable changes related to this SCR System Test.

#### Resolution

- If the unit has less than 200 engine hours or the aftertreatment has been replaced in the last 200 engine hours, verify the ECM calibration revision is February 2022 or later.
- If an ECM calibration code update for this fault code is available, the ECM calibration revision **must** be that revision or higher. Refer to Procedure 019-032 in Section 19.

(/qs3/pubsys2/xml/en/procedures/105/105-019-032.html)

- Perform the test again. Refer to Procedure 014-025 in Section 14.

(/qs3/pubsys2/xml/en/procedures/583/583-014-025.html)

- Follow the direction given by the test.
- Complete the remaining published troubleshooting steps.
- If fault codes return, follow the local escalation process.

## Document History

Date	Details
2021-8-20	Module Created
2022-3-21	Updated Verification section. Updated Resolution section.

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**Last Modified: 21-Mar-2022**

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