



# Technical Service Bulletin

---

<b>Technical Service Bulletin:</b> TSB190202	<b>Released Date:</b> 29-Jun-2021
<b>Aftertreatment Diesel Exhaust Fluid (DEF) Dosing Unit with Fault Codes 3558 and 3559</b>	

## Aftertreatment Diesel Exhaust Fluid (DEF) Dosing Unit with Fault Codes 3558 and 3559

### 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
- L9 CM2350 L116B
- L9 CM2450 L126B
- X12 CM2350 X119B
- X12 CM2450 X137B
- X15 CM2350 X114B
- X15 CM2350 X116B
- X15 CM2450 X124B
- X15 CM2450 X134B

#### Issue

Multiple trouble not found aftertreatment DEF dosing unit have been returned from the field due to being replaced while troubleshooting Fault Codes 3558 and/or 3559.

#### Symptom:

- Active Fault Codes 3558 and/or 3559 present.
- Aftertreatment diesel exhaust fluid (DEF) dosing unit may appear to be non-functional

#### Root Cause:

- Neither a good or malfunctioning aftertreatment DEF dosing unit can cause Fault Codes 3558 or 3559 to come active as these fault codes are isolated within the OEM wiring harness.
- An electrical short or open circuit has been detected in the DEF dosing unit OEM wiring harness.

#### Verification

- Active Fault Codes 3558 and/or 3559 present.
- Aftertreatment DEF dosing unit may appear to be non-functional.

#### Resolution

- Follow appropriate troubleshooting steps as outlines in the corresponding fault code Troubleshooting trees and/or EDS.
- Review OEM service information for documentation related to Fault Codes 3558 and/or 3559.

#### Service Instructions

- Connect with INSITE™ electronic service tool and check for active fault codes.
- If Fault Codes 5865 or 5867 are present, troubleshoot these fault codes before troubleshooting Fault Codes 3558 or 3559.
- If Fault Codes 3558 and/or 3559 are the only active fault codes, do not replace aftertreatment DEF dosing unit. Follow corresponding troubleshooting documentation.
- Check OEM aftertreatment DEF dosing unit relay wiring harness for chaffed wires, damaged/exposed wires, and/or damaged pins.
- Check OEM aftertreatment DEF dosing unit relay for proper operation.
- Check OEM wire between the aftertreatment DEF dosing unit and ECM pin 79 for chaffed wires, damaged/exposed wires, and/or damaged pins.
- Review OEM service information for documentation related to Fault Codes 3558 and/or 3559.

## Document History

<b>Date</b>	<b>Details</b>
2019-11-21	Module Created
2021-6-11	Updated Product Affected section.

---

**Last Modified: 29-Jun-2021**

---