

**Technical Service Bulletin** 

Technical Service Bulletin: TSB220043

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New Diesel Exhaust Fluid (DEF) Controller Causing Line Heater Fault Codes: 3258, 3261, and 3425

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## 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**

- ISB6.7 CM2250
- ISC8.3 CM2250
- ISL9 CM2250
- ISX12/ISX11.9 CM2250
- ISX15 CM2250

#### **Issue Summary**

An issue with the aftertreatment diesel exhaust fluid (DEF) controller is causing line heater fault codes to come active after installation in cold climates.

Symptom:

• Line heater fault codes: FC3258, FC3261, and FC3425, are active after the installation of a new DEF controller.

Root Cause:

• Fault codes are caused by a DEF controller issue.

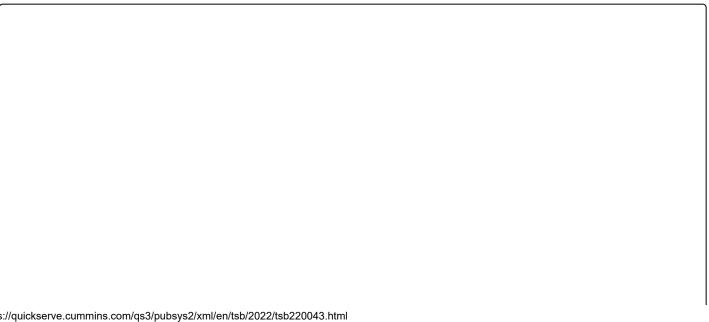
### Verification

- DEF controller compatibility issue causes the DEF controller to fail the internal line heater diagnostic test and triggers line heater fault codes when the line heater circuit is activated.
- This issue affects DEF controllers, Part Numbers 5283311 and 5283311RX, built between 5 May 2021 and 15 December 2021.

#### **Part Identification**

- The build date code printed on the DEF controller is in YY-MM-DD format.
- Example Date: 21-06-11 is 11 June 2021. See Figure 1.
- DEF controllers built within the affected time period with a green dot on the DEF controller label have been recalibrated to address the line heater fault code issue and are good parts. See Figure 2.

Cummins inc. BOSCH 0 281 020 225 (1) 21-00 Denoxtronic 2.2 A034V782 5283311	Ande in Germany 1343 0319 6-11 1039564599 W Gw	
Figure 1, Example Date on DEF	F Controller Label.	





- DEF controllers marked with a green dot, or built outside of the affected time period, **must** be utilized.
- Work is in-process to release a service DEF controller calibration fix for the affected DEF controllers built between 5 May 2021 and 15 December 2021, but timing for this fix has **not** been finalized.

## **Document History**

Date	Details
2022-3-4	Module Created
2022-5-12	Updated Part Identification section and added Figure 2.

#### Last Modified: 12-May-2022

https://cst.cummins.com http://edsprod.cummins.com https://gpst.cummins.com

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