

Technical Service Bulletin Number	Revision Level	Date	Group Number
TSB140048			



Technical Service Bulletin

Subject

Leaking Diesel Exhaust Fluid From the Aftertreatment Diesel Exhaust Fluid Dosing Unit Electrical Connector

Issue

Multiple electrical diagnostic fault codes can be set due to diesel exhaust fluid (DEF) leaking around the aftertreatment diesel exhaust fluid dosing unit electrical connector, caused by internal cracking due to freezing DEF. List of possible fault codes includes, but is **not** limited to; 1682, 1696, 2976, 3558, 3559, 3572, 3574, 3577, 3596, and 4251.

The following engines could be affected:

- ε ISB6.7
- ε ISC
- ε ISL9
- ε ISX12
- ε ISX15

Verification

During the troubleshooting process, leaking DEF around the aftertreatment diesel exhaust fluid dosing unit electrical connector is discovered. Figure 1 shows a typical leak.

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Figure 1

Resolution

Replace the aftertreatment diesel exhaust fluid dosing unit. [Refer to Procedure 011-058](#). Update the aftertreatment diesel exhaust fluid controller software phase. Reference Cummins® Aftertreatment Diesel Exhaust Fluid Controller Software Phases, Service Bulletin [4310705](#).

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.

Document History

Date	Details
2014-4-18	Module Created
2014-4-29	outfile

Last Modified: 05-May-2014

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