

Technical Service Bulletin Number
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TSB150116



Technical Service Bulletin

Subject

New Service Tool for Diesel Exhaust Fluid (DEF) System Troubleshooting

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

Issue

1. Repeat occurrences of fault code 1682, 3574, or 3596 after repair.
2. Root cause not identified after troubleshooting occurrences of fault code 1682, 3574, or 3596.

Published troubleshooting is being updated and a new diagnostic tool is being released.

The ISX15 CM2350 X101 Fault Code Troubleshooting Manual, Bulletin Number 4310637 and the ISX12 CM2350 X102 Fault Code Troubleshooting Manual, Bulletin Number 4310642 will have choice paths created for fault codes 1682, 3574, and 3596 to allow shops that get the diesel exhaust fluid (DEF) diagnostic tool early to begin to use the new tool. Once all tools have been auto-shipped the choice path will be removed and troubleshooting will require the DEF diagnostic tool. At that time the revised troubleshooting will also be published in the Fault Code Troubleshooting Manuals for all of the other engines listed below.

Product Affected

- ISB6.7 CM2250

- ISB6.7 CM2350 B101
- ISC8.3 CM2250
- ISL9 CM2250
- ISL9 CM2350 L101
- ISX12 CM2350 X102
- ISX12/ISX11.9 CM2250
- ISX15 CM2250
- ISX15 CM2350 X101
- QSB4.5 CM2350 B106
- QSB6.7 CM2350 B105
- QSB6.7 CM2350 B112
- QSF3.8 CM2350 F107
- QSL9 CM2350 L102
- QSL9 CM2350 L107
- QSX15 CM2350 X105
- QSX15 CM2350 X106

Service Tools and Training Available

A new diagnostic tool, Part Number 5299833, has been created to improve DEF system troubleshooting capability. This tool is being automatically shipped to authorized Cummins® repair locations in the United States and Canada. The auto-ship process is expected to be complete October 2015. After that the tool will be available for purchase through the regular process.



Figure 1, DEF System Diagnostic Tool, Part Number 5299833

Training on the new diagnostic tool and troubleshooting process will be available at Cummins® Distributor locations in the United States and Canada in September 2015.

Publications Affected

Fault codes 1682, 3574, and 3596 in the following manuals:

Table 1, Publications Affected		
Manual Type	Engine	Bulletin Number
Fault Code Troubleshooting	ISB6.7 CM2250, ISC8.3 CM2250, ISL9 CM2250, ISX12/ISX11.9 CM2250, and ISX15 CM2250	4022225
	ISL9 CM2350 L101	4310789
	ISX12 CM2350 X102	4310642
	ISB6.7 CM2350 B101	4310800
	ISX15 CM2350 X101	4310637
	QSB4.5 CM2350 B106	4367377
	QSB6.7 CM2350 B105	4332777
	QSB6.7 CM2350 B112	4358501
	QSF3.8 CM2350 F107	4367319
	QSL9 CM2350 L102	4332795
	QSL9 CM2350 L107	4332795
	QSX15 CM2350 X105	4332666
	QSX15 CM2350 X106	4332711

Document History

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2015-7-21	Module Created

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