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Service Information Bulletin

SUBJECT	DATE
SPN 521049 (MCM) (GHG17)	February 2017

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0193	DD5/DD8 Medium Duty	SPN 521049/FMI 31 - GHG17	This is a new diagnostic for MDEG

DiagnosticLink users: Please update the troubleshooting guides in DiagnosticLink with this newest version. To update the tool troubleshooting guide, open DiagnosticLink and from the Help – Troubleshooting Guides menu, select the appropriate troubleshooting manual, then click Update.



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2 SPN 521049/FMI 31 - GHG17

DEF inducement DEF lamp active

Table 1.

SPN 521049/FMI 31	
Description	This Code Sets When There is a Code Present for the Diesel Exhaust Fluid (DEF) Tank Level, DEF Dosing Unit, DEF Pump, NOx Sensors, Blocked DEF Line, DEF Quality, NOx Efficiency, Selective Catalyst Reduction (SCR) Harness and/or SCR Sensor.
Monitored Parameter	SCR and Diesel Particulate Filter (DPF) Sensors
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	DEF Lamp
Engine Reaction	25 % Derate
Verification	Parked SCR Efficiency Test for Extended SCR Faults High Idle Regeneration for DPF and NOx Faults

Check as follows:

1. Connect DiagnosticLink[®].
2. Turn the ignition ON (key ON, engine OFF).
3. Check for other emission-related fault codes. Are there any Selective Catalyst Reduction (SCR) or Diesel Particulate Filter (DPF) related fault codes present?
 - a. Yes; diagnose and repair the emission-related fault codes first. Verify repair.
 - b. No; perform the SCR efficiency test or high idle regeneration. Use DiagnosticLink to clear the code.