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Service Information Bulletin

SUBJECT	DATE
SPN 521012 (MCM) (GHG17)	March 2017

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0193	GHG17 DD5 Medium Duty	SPN 521012/FMI 1 - GHG17	This is a new fault code.

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 521012/FMI 1 - GHG17

Fault Reaction Manager - Intake Manifold Pressure Too Low

Table 1.

SPN 521012/FMI 1	
Description	This Fault Code Sets When There Is A Low Boost Fault Code Present
Monitored Parameter	Intake Manifold Pressure Faults
Typical Enabling Conditions	Engine Coolant Temperature greater than 65°C (149°F) Engine Speed greater than 1130 rpm Barometric Pressure greater than 755 mbar (10.9 psi) Vehicle Speed greater than 90 kph (55 mph)
Monitor Sequence	None
Execution Frequency	Always When Typical Enabling Conditions Are Met
Typical Duration	15 Seconds
Dash Lamps	MIL, CEL
Engine Reaction	25% Derate
Verification	Once the Engine Coolant Temperature is Above 65°C (149°F), Road Test the Vehicle Above 90 kph (55 mph), rpm greater than 1130 for Five Minutes



WARNING: PERSONAL INJURY

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

- Always start and operate an engine in a well ventilated area.
- If operating an engine in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system or emission control system.



WARNING: PERSONAL INJURY

To avoid injury before starting and running the engine, ensure the vehicle is parked on a level surface, parking brake is set, and the wheels are blocked.



WARNING: ENGINE EXHAUST

To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

Check as follows:

1. Connect DiagnosticLink[®].
2. Turn the ignition ON (key ON, engine OFF).
3. Check for multiple fault codes. Are there any low boost fault codes present?
 - a. Yes; diagnose the other fault codes.
 - b. No; replace the DD5 Motor Control Module (MCM). Refer to section "Removal of the Motor Control Module (MCM)".