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Service Information Bulletin

SUBJECT	DATE
SPN 96 (MCM) (GHG17)	June 2017

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0200	DD8	SPN 96 / FMI 2	Updated GHG17 MD diagnostic procedures.
DDC-SVC-MAN-0193	DD5		



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2 SPN 96/FMI 2 - GHG17

Fuel Tank Level Sensor Stuck in Position

Table 1.

SPN 96/FMI 2	
Description	Fuel Tank Level Sensor Stuck in Position
Monitored Parameter	Fuel Tank Level
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Five Seconds
Dash Lamps	MIL
Engine Reaction	None
Verification	Engine rpm = Idle or Higher

Check as follows:

NOTE: Fuel level signal is hardwired to instrument cluster. Fuel level signal is multiplexed from instrument cluster to the MCM.

1. Did SPN 96/FMI 2 appear after the fuel system was repaired or fuel filter maintenance was performed?
 - a. Yes; clear codes and road test to verify complaint. If code does not set, release the vehicle. If code sets, Go to step 2.
 - b. No; Go to step 2.
2. Turn the ignition ON (key ON, engine OFF).
3. Check and record fuel level in all fuel tanks. Is the fuel level below ¼ tank (25%)?
 - a. Yes; Go to step 4.
 - b. No; question the driver about the fuel level when the code was set. If the level was under ¼ tank (25%), fuel sloshing in the tank could have caused this code. If the fuel level was over ¼ tank (25%) when the code was set, Go to step 5.
4. Add fuel to the tanks to above ¼ tank (25%) and road test the vehicle. Did the code become active during the road test?
 - a. Yes; Go to step 5.
 - b. No; fuel sloshing in the tank caused this code to come active; release the truck.
5. Check for fuel contamination, including Diesel Exhaust Fluid (DEF), water, gasoline, or coolant. Is any contamination found?
 - a. Yes; refer to the chapter titled "Contaminated Fluids."
 - b. No; Go to step 6.
6. Visually inspect for external fuel leaks on the engine and on the chassis. Are fuel leaks present?
 - a. Yes; repair leak. Verify repairs.
 - b. No; replace fuel level sensor. For additional information, refer to the OEM service procedures.

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