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Service Information Bulletin

SUBJECT	DATE
SPN 96/FMI 2 - GHG14	July 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 96/FMI 2 - GHG14	Adding fault description table. Updating DDDL version in step 6.



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This diagnostic is typically Fuel Tank Level Sensor Stuck in Position.

NOTE: It is important to obtain information from the customer on when the Check Engine Lamp (CEL) occurs and if there were any performance concerns or exhaust smoke.

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	5 Seconds
Dash Lamps	MIL
Engine Reaction	None
Verification	Engine RPM = idle or higher

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.
 - a. If fuel level is below $\frac{1}{4}$ tank (or 25%), add fuel and road test vehicle. If code does not become active during road test, release the truck. If the code becomes active during the road test with over $\frac{1}{4}$ tank (or 25%) of fuel, Go to step 4.
 - b. If the fuel level is over $\frac{1}{4}$ tank (or 25%), question the driver about the fuel level when the code was set. If the level was under $\frac{1}{4}$ tank (or 25%), fuel sloshing in the tank could be the cause of aerated fuel that could cause this code. If the fuel level was over $\frac{1}{4}$ tank (or 25%) when the code was set, Go to step 4.
4. Check for fuel contamination, including Diesel Exhaust Fluid (DEF), water, gasoline, kerosene, coolant, etc.
 - a. If contamination is found, contact the Detroit™ Customer Support Center at 800-445-1980.
 - b. If no contamination is found, Go to step 5.
5. Visually inspect for external fuel leaks on the engine and on the chassis.
 - a. If a leak is found, repair leak. Refer to section "Verify Repairs".
 - b. If no leaks are found, Go to step 6.
6. Using DDDL 7.09 SP2 or higher, check for multiple codes.
 - a. If any of the additional fault codes are active, perform the associated diagnostics first.
 - b. If no additional fault codes are active, replace fuel level sensor. Check OEM procedures.
7. Verify repairs. Refer to section "Verify Repairs".