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Service Information Bulletin

SUBJECT	DATE
SPN 4334/FMI 4 - GHG14	May 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 4334/FMI 4 - GHG14	Changed pressure sensor reference to DEF dosing unit.



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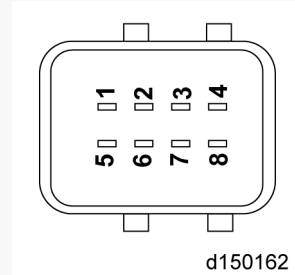
2 SPN 4334/FMI 4 - GHG14

This diagnostic is typically Diesel Exhaust Fluid (DEF) Pressure Sensor Circuit Failed Low.

Table 1.

SPN 4334/FMI 4	
Description	Diesel Exhaust Fluid (DEF) Pressure Sensor Circuit Failed Low
Monitored Parameter	Diesel Exhaust Fluid (DEF) Pressure Sensor
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	2 Seconds
Dash Lamps	MIL, CEL
Engine Reaction	Derate 25%
Verification	Engine Idle (1 minute)

Table 2.

8-Pin	Circuit	ACM2.1-Pin	Connector
1	Metering Valve Low Side	28	
2	Metering Valve High Side	33	
3	Heating Low Side	22	
4	Heating Supply	3	
5	Sensor Supply 5V	84	
6	Not Used	Not Used	
7	Sensor Ground	99	
8	DEF Pressure Signal	100	

Check as follows:

1. Check for multiple codes.
 - a. If SPN 4334/FMI 4, and SPN 3510/FMI 4 are present, repair short to ground between pin 5 of the DEF pressure sensor and pin 84 of the ACM2.1.
 - b. If only SPN 4334/FMI 4 is present Go to step 2.
2. Disconnect the DEF dosing unit harness connector.
3. Inspect the Dosing Unit connector and the Dosing Unit harness connector for signs of damage, bent, spread, broken, pushed out (unseated) or corroded pins or wire damage near the connector.
 - a. If signs of damage are present, repair as needed.
 - b. If no signs of damage are present, Go to step 4.
4. Turn the ignition ON (key ON engine OFF).
5. Measure the voltage between from pin 5 on the DEF dosing unit harness and battery ground.
 - a. If the voltage is between 4.5 and 5.5 volts, Go to step 6.
 - b. If the voltage is less than 4.5 volts, Go to step 7.
6. Measure the voltage between pins 5 and 7 of the Dosing Unit harness connector.
 - a. If the voltage is between 4.5 and 5.5 volts, Go to step 7.
 - b. If the voltage is less than 4.5 volts, repair the wire between pin 7 of the Dosing Unit harness connector and pin 99 of the ACM2.1 120-pin harness connector.
7. Turn the ignition OFF.
8. Disconnect the ACM2.1 120 pin connector.

9. Inspect the ACM2.1 120-pin connector and 120-pin harness connector for signs of damage, bent, spread, broken, pushed out (unseated) or corroded pins or wire damage near the connector.
 - a. If signs of damage are present, repair as needed.
 - b. If no signs of damage are present, Go to step 10.
10. Measure the resistance between pin 8 on the DEF dosing unit harness and pin 100 of the ACM2.1 harness.
 - a. If the resistance is greater than 5 ohms, repair wire between pin 8 of the DEF dosing unit harness and pin 100 of the ACM2.1 harness. Check intermediate connections in chassis wiring; refer to OEM wiring diagrams for exact routing.
 - b. If the resistance is less than 5 ohms, replace the DEF Doser Unit. Refer to section "Removal of the GHG14 Dosing System Doser".