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Service Information Bulletin

SUBJECT	DATE
SPN 4363 (ACM) (EPA10;GHG14)	December 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	EPA10/ GHG14 Heavy Duty	SPN 4363/FMI 3 - EPA10 - GHG14	Updated diagnostic procedures.

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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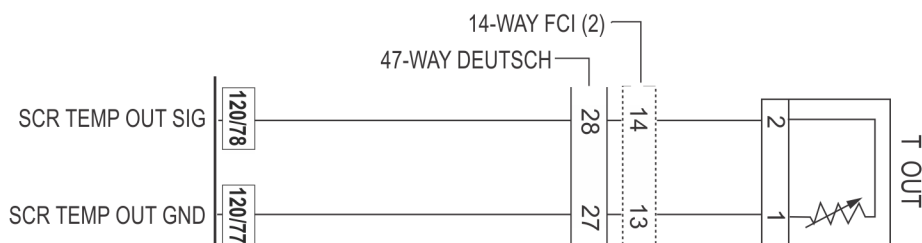
Selective Catalyst Reduction Outlet Temperature Sensor Circuit Failed High

Table 1.

SPN 4363/FMI 3	
Description	This Fault Code Sets When There is an Open in the SCR Outlet Temperature Circuit or a Short to Power on the SCR Outlet Temperature Sensor Signal Circuit.
Monitored Parameter	SCR Outlet Temperature Sensor
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	MIL, CEL
Engine Reaction	Derate 25%
Verification	Engine Idle (One Minute)

Table 2.

Flex Probe boot color / Shrink tube color	Probe Part #
Red/black	J-48476-19



d150451a

1. Turn the ignition OFF.
2. Disconnect and inspect the Selective Catalyst Reduction (SCR) outlet temperature sensor electrical connector harness side. Is there any corrosion present?
 - a. Yes; replace the SCR outlet temperature sensor and the electrical connector on the harness.
 - b. No; Go to step 3.
3. Are any of the pins or the connector damaged?
 - a. Yes; Go to step 4.
 - b. No; Go to step 5.
4. Inspect the SCR outlet temperature sensor electrical connector component side. Are any of the pins or the connector damaged?
 - a. Yes; replace the SCR outlet temperature sensor and the electrical connector harness side.
 - b. No; replace the SCR outlet temperature sensor electrical connector harness side.
5. Using the correct flex probe, check the pins on the SCR outlet temperature sensor electrical connector harness side. Are the pins spread?
 - a. Yes; replace the SCR outlet temperature sensor electrical connector on the harness.
 - b. No; Go to step 6.
6. Turn the ignition ON (key ON, engine OFF).

7. Measure the voltage between pins 1 and 2 of the SCR outlet temperature sensor electrical connector harness side. Is the voltage greater than four volts?
 - a. Yes; repair the short to power between pin 2 of the SCR outlet temperature sensor electrical connector and pin 78 of the MCM 120-pin electrical connector harness side.
 - b. No; Go to step 8.
8. Is the voltage between 2.5 and 3.5 volts?
 - a. Yes; replace the SCR outlet temperature sensor.
 - b. No; Go to step 9.
9. Measure the voltage between pin 2 of the SCR outlet temperature sensor electrical connector harness side and ground. Is the voltage between 2.5 and 3.5 volts?
 - a. Yes; repair the open between pin 1 of the SCR outlet temperature sensor electrical connector and pin 77 of the MCM 120-pin electrical connector harness side.
 - b. No; repair the open between pin 2 of the SCR outlet temperature sensor electrical connector and pin 78 of the MCM 120-pin electrical connector harness side.