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Service Information Bulletin

SUBJECT	DATE
SPN 5747 (ACM) (GHG14)	May 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	GHG14 DD Platform	SPN 5747/FMI 12 - GHG14	This is a new section.



13400 Outer Drive, West, Detroit, Michigan 48239-4001
 Telephone: 313-592-5000
www.demanddetroit.com

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Soot Sensor Heater Fault

Table 1.

SPN 5747/FMI 12	
Description	Soot Sensor heater temperature or voltage is out of range
Monitored Parameter	Soot Sensor heater temperature or voltage
Typical Enabling Conditions	Soot Sensor heater enabled
Monitor Sequence	Continuously
Execution Frequency	Always Enabled
Typical Duration	5 Seconds
Dash Lamps	MIL, CEL
Engine Reaction	None
Verification	Verify repairs by using DiagnosticLink™ Soot Sensor Panel inspection routine.

Check as follows:

NOTE: When the engine starts, the soot sensor will cycle through three modes: protective heating of exhaust temperature dew point 210°C (410°F) to allow moisture to evaporate, heater active regeneration 800°C (1472°F) to clean soot, and measurement mode for duration of key cycle.

1. Turn the ignition key ON (Key ON, Engine OFF).
2. Using DiagnosticLink™, check for any communication or voltage fault codes. Are any other fault codes present?
 - a. Yes; repair those fault codes first.
 - b. No; Go to step 3.
3. Disconnect the soot sensor electrical connector.
4. Inspect the soot sensor and harness connector for signs of damaged, bent, spread, corroded, or unseated (pushed out) pins and signs of moisture in the connector or wire damage near the connector. Is any damage found?
 - a. Yes; repair as necessary. Verify repairs.
 - b. No; replace the soot sensor. Refer to section "Removal of the 2V2 Soot Sensor". Verify repairs.