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Service Information Bulletin

SUBJECT	DATE
SPN 3716 (MCM) (GHG17)	May 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0191	GHG17 DD Platform	SPN 3716/FMI 31 - GHG17	New GHG17 HDEP 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.

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

2 SPN 3716/FMI 31- GHG17

High Idle Regeneration (HIR) Aborted - Low Coolant Temp

Table 1.

SPN 3716/FMI 31	
Description	This Fault Logs when the Coolant Temperature Fails to Reach 60°C (140°F) During High Idle Regeneration Initiation
Monitored Parameter	Engine Coolant Temperature
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Parked Regeneration

Check as follows:

WARNING: ENGINE EXHAUST

To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

WARNING: HOT EXHAUST

During parked regeneration the exhaust gases will be extremely HOT and could cause a fire if directed at combustible materials. The vehicle must be parked outside.

1. Connect DiagnosticLink ®.
2. Check for multiple fault codes. Are fault codes SPN 110/FMI 3, FMI 4 or FMI 10 present?
   a. Yes; diagnose the other fault codes first.
   b. No; Go to step 3.
3. Using DiagnosticLink, compare engine coolant temperature and engine oil temperature. Are the temperatures within 12°C (21.6°F) of each other?
   a. Yes; Go to step 4.
   b. No; replace the coolant temperature sensor. Verify repair. Refer to section "Removal of the Engine Coolant Outlet Temperature Sensor".
4. Check for proper operation of the engine cooling fan. Is the fan running longer than desired?
   a. Yes; repair as necessary. Verify repair.
   b. No; Go to step 5.
5. Check coolant thermostat operation. Refer to section "Low Engine Coolant Temperature". Does the thermostat operate correctly?
   a. Yes; replace the coolant temperature sensor. Refer to section "Removal of the Engine Coolant Outlet Temperature Sensor". Verify repair.
   b. No; replace the engine coolant thermostat. Refer to section "Removal of the Engine Coolant Thermostat and Seal". Verify repair.

