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Service Information Bulletin

SUBJECT	DATE
SPN 3870/FMI 3 and 4	August 2012

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	GHG14 DD Platform	SPN 3870/FMI 3	These are new GHG14 engine sections.
		SPN 3870/FMI 4	



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2 SPN 3870/FMI 3 – GHG14

This diagnostic is typically Digital Input 4 02 – Failed High on Pin 2 Circuit of the Common Powertrain Controller (CPC4) #4 Connector.

NOTE: The CPC4 digital outputs have the same SPN as some Motor Control Module (MCM2.1) faults. DDDL 7.08 SP2 makes the distinction between the MCM2.1 and CPC4 when diagnosing a fault.

1. Turn the ignition ON (Key ON, engine OFF).
2. Connect to DDDL/DDRS 7.08 SP2 or higher.
3. Verify parameters – go to the parameters work window.
4. Verify that the parameters in PGR013 digital inputs are set to the specific component to which this is configured (example: Hood Tilt Switch).
5. Are the parameters configured correctly?
 - a. Yes; Go to step 6.
 - b. No; configure the parameters properly.
6. Fix the open circuit on pin 2 circuit of the CPC4 #4 connector. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.

3 SPN 3870/FMI 4 - GHG14

This diagnostic is typically Digital Input 4 02 – Indicated by a Short to Ground on Pin 2 Circuit of the Common Powertrain Controller (CPC4) #4 Connector.

NOTE: The CPC4 digital outputs have the same SPN as some Motor Control Module (MCM2.1) faults. DDDL 7.08 SP2 makes the distinction between the MCM2.1 and CPC4 when diagnosing a fault.

1. Turn the ignition ON (Key ON, engine OFF).
2. Connect to DDDL/DDRS 7.08 SP2 or higher.
3. Verify parameters – go to the parameters work window.
4. Verify that the parameters in PGR013 digital inputs are set to the specific component to which this is configured (example: Hood Tilt Switch).
5. Are the parameters configured correctly?
 - a. Yes; Go to step 6.
 - b. No; configure the parameters properly.
6. Fix the short to ground on pin 2 circuit of the CPC4 #4 connector. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.