

1 8 10-12



Service Information Bulletin

SUBJECT	DATE
SPN 3842/FMI 3, 4, and 5 (CPC4)	August 2012

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	GHG14 DD Platform	SPN 3842/FMI 3	These are new sections.
		SPN 3842/FMI 4	
		SPN 3842/FMI 5	



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

2 SPN 3842/FMI 3 - GHG14

This diagnostic is typically Analog Ground 3 02 Circuit Failed High on Pin 2 Circuit of the Common Powertrain Controller (CPC4) #3 Connector.

NOTE: The CPC4 digital outputs have the same SPN as some Motor Control Module (MCM) faults. DDDL 7.X makes the distinction between the MCM and CPC when diagnosing a fault.

1. Turn the ignition ON (Key ON, engine OFF).
2. Connect to DDDL/DDRS.
3. Verify parameters – go to the parameters work window.
4. Verify that the parameters in PGR013 analog 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 power on pin 2 circuit of the CPC4 #3 connector. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.

3 SPN 3842/FMI 4 - GHG14

This diagnostic is typically Analog Ground 3 02 Circuit Failed Low on Pin 2 Circuit of the Common Powertrain Controller (CPC4) #3 Connector.

NOTE: The CPC4 digital outputs have the same SPN as some Motor Control Module (MCM) faults. DDDL 7.X makes the distinction between the MCM and CPC when diagnosing a fault.

1. Turn the ignition ON (Key ON, engine OFF).
2. Connect to DDDL/DDRS.
3. Verify parameters – go to the parameters work window.
4. Verify that the parameters in PGR013 analog 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 #3 connector. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.

4 SPN 3842/FMI 5 - GHG14

This diagnostic is typically Analog Ground 3 02 Circuit Open on Pin 2 Circuit of the Common Powertrain Controller (CPC4) #3 Connector.

NOTE: The CPC4 digital outputs have the same SPN as some Motor Control Module (MCM) faults. DDDL 7.X makes the distinction between the MCM and CPC when diagnosing a fault.

1. Turn the ignition ON (Key ON, engine OFF).
2. Connect to DDDL/DDR5.
3. Verify parameters – go to the parameters work window.
4. Verify that the parameters in PGR013 analog 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 #3 connector. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.