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Service Information Bulletin

SUBJECT	DATE
SPN 96 (CPC) (GHG14)	July 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	GHG14 DD Platform	SPN 96/FMI 13, 19 - GHG14	This is a new section.



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

2 SPN 96/FMI 13 - GHG14

Fuel Level Sensor Missing or Not Available

Table 1.

SPN 96 /FMI 13	
Description	This fault indicates a missing fuel level signal at the Common Powertrain Controller (CPC).
Monitored Parameter	Fuel Level Status Byte
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Continuous when enabling conditions met
Typical Duration	10 Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Key Cycle

Check as follows:

NOTE: Fuel level sensor is hardwired to instrument cluster. Fuel level signal is multiplexed from instrument cluster to the CPC.

1. Connect DiagnosticLink[®].
2. Check for multiple codes. Are any other fault codes present?
 - a. Yes; if CPC SPN 168/FMI 0/14/18 (battery voltage) or SPN 625/FMI (any) Controller Area Network (CAN) fault codes are present, troubleshoot these first.
 - b. No; if only SPN 96/FMI 13 fault is present, Go to step 3.
3. Has the CPC been recently reprogrammed?
 - a. Yes; check for proper configuration of the CPC against the server information. Reprogram the CPC with the correct information as necessary.
 - b. No; refer to Original Equipment Manufacturer (OEM) literature for instrument cluster troubleshooting.

3 SPN 96/FMI 19 - GHG14

Fuel Level Sensor Received Network Data in Error

Table 2.

SPN 96 /FMI 19	
Description	This fault indicates a fuel level error signal at the Common Powertrain Controller (CPC).
Monitored Parameter	Fuel Level Status Byte
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Continuous when enabling conditions met
Typical Duration	10 Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Key Cycle

Check as follows:

NOTE: Fuel level sensor is hardwired to instrument cluster. Fuel level signal is multiplexed from instrument cluster to the CPC.

1. Connect DiagnosticLink[®].
2. Check for multiple codes. Are any other fault codes present?
 - a. Yes; if CPC SPN 168/FMI 0/14/18 (battery voltage) or SPN 625/FMI (any) Controller Area Network (CAN) fault codes are present, troubleshoot these first.
 - b. No; if only SPN 96/FMI 19 fault is present, Go to step 3.
3. Has the CPC been recently reprogrammed?
 - a. Yes; check for proper configuration of the CPC against the server information. Reprogram the CPC with the correct information as necessary.
 - b. No; refer to Original Equipment Manufacturer (OEM) literature for instrument cluster troubleshooting.