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Service Information Bulletin

SUBJECT	DATE
SPN 602 (CPC)(GHG17)	June 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0193	GHG17 DD Medium Duty	SPN 602/FMI 13, 19 - GHG17	New DD5 and DD8 diagnostic procedures
DDC-SVC-MAN-0191	GHG17 DD Heavy Duty	SPN 602/FMI 13, 19 - GHG17	New GHG17 HD 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.



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2 SPN 602/FMI 13 - GHG17

J1939 Cruise Control Accelerate Switch Signal from Source #1, #2, or #3 is Missing or Not Available

Table 1.

SPN 602/FMI 13	
Description	Cruise Control Signal Not Available
Monitored Parameter	Cruise Control Signal
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Key ON Engine ON



WARNING: ENGINE EXHAUST

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

Check as follows:

1. Connect DiagnosticLink®.
2. Check for multiple codes. Are there any SPN 168 (battery voltage) fault codes present?
 - a. Yes; repair the battery voltage concern. Verify repair.
 - b. No; Go to step 3.
3. Is SPN 625/FMI 9 fault code present?
 - a. Yes; diagnose SPN 625/FMI 9 fault code first. Verify repair.
 - b. No; Go to step 4.
4. Has the CPC been recently reprogrammed?
 - a. Yes; check the proper configuration of the CPC.
 - b. No; determine which modules are configured for the vehicle and their communication status. Once this is done, follow the appropriate module communication troubleshooting procedures for the affected module. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.

3 SPN 602/FMI 19 - GHG17

J1939 Cruise Control Accelerate Switch Signal from Source #1, #2, or #3 is erratic

Table 2.

SPN 602/FMI 19	
Description	Cruise Control Signal Erratic
Monitored Parameter	Cruise Control Signal
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Key ON Engine ON



WARNING: ENGINE EXHAUST

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Check as follows:

1. Connect DiagnosticLink®.
2. Check for multiple codes. Are there any SPN 168 (battery voltage) fault codes present?
 - a. Yes; repair the battery voltage concern. Verify repair.
 - b. No; Go to step 3.
3. Is SPN 625/FMI 9 fault code present?
 - a. Yes; diagnose SPN 625/FMI 9 fault code first. Verify repair.
 - b. No; Go to step 4.
4. Has the CPC been recently reprogrammed?
 - a. Yes; check the proper configuration of the CPC.
 - b. No; determine which modules are configured for the vehicle and their communication status. Once this is done, follow the appropriate module communication troubleshooting procedures for the affected module. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.

4 SPN 602/FMI 13 - GHG17

J1939 Cruise Control Accelerate Switch Signal from Source #1, #2, or #3 is Missing or Not Available

Table 3.

SPN 602/FMI 13	
Description	Cruise Control Signal Not Available
Monitored Parameter	Cruise Control Signal
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Key ON Engine ON



WARNING: ENGINE EXHAUST

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Check as follows:

1. Connect DiagnosticLink®.
2. Check for multiple codes. Are there any SPN 168 (battery voltage) fault codes present?
 - a. Yes; repair the battery voltage concern. Verify repair.
 - b. No; Go to step 3.
3. Is SPN 625/FMI 9 fault code present?
 - a. Yes; diagnose SPN 625/FMI 9 fault code first. Verify repair.
 - b. No; Go to step 4.
4. Has the CPC been recently reprogrammed?
 - a. Yes; check the proper configuration of the CPC.
 - b. No; determine which modules are configured for the vehicle and their communication status. Once this is done, follow the appropriate module communication troubleshooting procedures for the affected module. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.

5 SPN 602/FMI 19 - GHG17

J1939 Cruise Control Accelerate Switch Signal from Source #1, #2, or #3 is erratic

Table 4.

SPN 602/FMI 19	
Description	Cruise Control Signal Erratic
Monitored Parameter	Cruise Control Signal
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Key ON Engine ON



WARNING: ENGINE EXHAUST

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Check as follows:

1. Connect DiagnosticLink®.
2. Check for multiple codes. Are there any SPN 168 (battery voltage) fault codes present?
 - a. Yes; repair the battery voltage concern. Verify repair.
 - b. No; Go to step 3.
3. Is SPN 625/FMI 9 fault code present?
 - a. Yes; diagnose SPN 625/FMI 9 fault code first. Verify repair.
 - b. No; Go to step 4.
4. Has the CPC been recently reprogrammed?
 - a. Yes; check the proper configuration of the CPC.
 - b. No; determine which modules are configured for the vehicle and their communication status. Once this is done, follow the appropriate module communication troubleshooting procedures for the affected module. For wiring schematic information, refer to Original Equipment Manufacturer (OEM) literature.