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Service Information Bulletin

SUBJECT	DATE
SPN 972 (CPC) (GHG17)	June 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0193	GHG17 Med Duty	SPN 972/FMI 2 - GHG17	New DD5 and DD8 diagnostic procedures.
DDC-SVC-MAN-0191	GHG17 DD Platform		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 972/FMI 2 - GHG17

Throttle Inhibit Switch Signal Not Plausible Due To Excess Vehicle Speed

Table 1.

SPN 972/FMI 2	
Description	Throttle Inhibit Switch Signal Not Plausible
Monitored Parameter	Throttle Inhibit
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

Check as follows:

1. Check for multiple codes. Is Common Powertrain Controller (CPC) SPN 168/FMI 0/14/18 (battery voltage) present?
 - a. Yes; troubleshoot SPN 168/FMI 0/14/18 first.
 - b. No; Go to step 2.
2. Is Motor Control Module (MCM) SPN 625/FMI 9 present?
 - a. Yes; troubleshoot and repair the Controller Area Network (CAN) line.
 - b. No; Go to step 3.
3. Has the CPC been recently reprogrammed?
 - a. Yes; check the proper configuration of the CPC.
 - b. No; clear fault and retest. Go to step 4.
4. Turn the ignition on (key ON, engine OFF).
5. Does SPN 972/FMI 2 return?
 - a. Yes; Go to step 6.
 - b. No; testing is completed. Release vehicle.
6. Disconnect and inspect the throttle inhibit switch harness connector for bent, spread or corroded pins.
 - a. If pin damage is found, repair as necessary.
 - b. If no pin damage is found, clear fault and retest with switch disconnected. Go to step 7.
7. Does SPN 972/FMI 2 remain active?
 - a. Yes; repair short circuit on pin 17 of the CPC connector #1.
 - b. No; replace the throttle inhibit switch. Verify repairs.

3 SPN 972/FMI 2 - GHG17

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Table 2.

SPN 972/FMI 2	
Description	Throttle Inhibit Switch Signal Not Plausible
Monitored Parameter	Throttle Inhibit
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

Check as follows:

1. Check for multiple codes. Is Common Powertrain Controller (CPC) SPN 168/FMI 0/14/18 (battery voltage) present?
 - a. Yes; troubleshoot SPN 168/FMI 0/14/18 first.
 - b. No; Go to step 2.
2. Is Motor Control Module (MCM) SPN 625/FMI 9 present?
 - a. Yes; troubleshoot and repair the Controller Area Network (CAN) line.
 - b. No; Go to step 3.
3. Has the CPC been recently reprogrammed?
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4. Turn the ignition on (key ON, engine OFF).
5. Does SPN 972/FMI 2 return?
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6. Disconnect and inspect the throttle inhibit switch harness connector for bent, spread or corroded pins.
 - a. If pin damage is found, repair as necessary.
 - b. If no pin damage is found, clear fault and retest with switch disconnected. Go to step 7.
7. Does SPN 972/FMI 2 remain active?
 - a. Yes; repair short circuit on pin 17 of the CPC connector #1.
 - b. No; replace the throttle inhibit switch. Verify repairs.