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## Service Information Bulletin

SUBJECT	DATE
SPN 629 (CPC)(GHG17)	June 2016

### Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0193	GHG17 DD Medium Duty	SPN 629/FMI 2, 12 - GHG17	New DD5 and DD8 diagnostic procedures
DDC-SVC-MAN-0191	GHG17 DD Heavy Duty	SPN 629/FMI 2, 12 - GHG17	Updated 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 629/FMI 2 - GHG17

CPC Hardware/Software Mismatch

**Table 1.**

SPN 629/FMI 2	
Description	This Code Logs when the CPC Hardware Does Not Match the CPC Software.
Monitored Parameter	CPC software
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. Was the Common Powertrain Controller (CPC) recently replaced?
  - a. Yes; the CPC hardware is not the correct one for the engine serial number and/or software programmed onto the CPC. Replace the CPC hardware with the correct hardware. Verify repair.
  - b. No; Go to step 2.
2. Was the CPC recently reprogrammed?
  - a. Yes; reprogram the CPC with the correct engine serial number and/or software. Verify repair.
  - b. No; Go to step 3.
3. Connect to DiagnosticLink<sup>®</sup>.
4. Under the identification screen, make sure the CPC is programmed to the correct engine serial number and/or software. Is the correct engine serial number and/or software programmed?
  - a. Yes; replace the CPC and program with the latest software release. Verify repair.
  - b. No; reprogram the CPC with the correct software. Verify repair.

### 3 SPN 629/FMI 12 - GHG17

DDEC Data Xflash Write Error

**Table 2.**

SPN 629/FMI 12	
Description	This Code Indicates A Flash Error.
Monitored Parameter	CPC Data Write Error
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

Replace the Common Powertrain Controller (CPC) and program with the latest software release. Verify repair.

## 4 SPN 629/FMI 2 - GHG17

CPC Hardware/Software Mismatch

**Table 3.**

SPN 629/FMI 2	
Description	This Code Logs when the CPC Hardware Does Not Match the CPC Software.
Monitored Parameter	CPC software
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. Was the Common Powertrain Controller (CPC) recently replaced?
  - a. Yes; the CPC hardware is not the correct one for the engine serial number and/or software programmed onto the CPC. Replace the CPC hardware with the correct hardware. Verify repair.
  - b. No; Go to step 2.
2. Was the CPC recently reprogrammed?
  - a. Yes; reprogram the CPC with the correct engine serial number and/or software. Verify repair.
  - b. No; Go to step 3.
3. Connect to DiagnosticLink<sup>®</sup>.
4. Under the identification screen, make sure the CPC is programmed to the correct engine serial number and/or software. Is the correct engine serial number and/or software programmed?
  - a. Yes; replace the CPC and program with the latest software release. Verify repair.
  - b. No; reprogram the CPC with the correct software. Verify repair.

## 5 SPN 629/FMI 12 - GHG17

DDEC Data Xflash Write Error

**Table 4.**

SPN 629/FMI 12	
Description	This Code Indicates A Flash Error.
Monitored Parameter	CPC Data Write Error
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

Replace the Common Powertrain Controller (CPC) and program with the latest software release. Verify repair.