

1 01 30-17



## Service Information Bulletin

SUBJECT	DATE
SPN 520211 (IPPC) (GHG14) SPN 520211 (IPPC) (GHG17)	January 2017

### Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	GHG14 DD Heavy Duty	SPN 520211/FMI 2 - GHG14	Moved the step for clearing the fault code to step 3 in the diagnostic. Changed the steps for disconnecting DiagnosticLink to close and disconnect the comm device. Changed the verbiage for rechecking the fault code from "still present" to "active."
DDC-SVC-MAN-0191	GHG17 DD Heavy Duty	SPN 520211/FMI 2 - GHG17	

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.



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

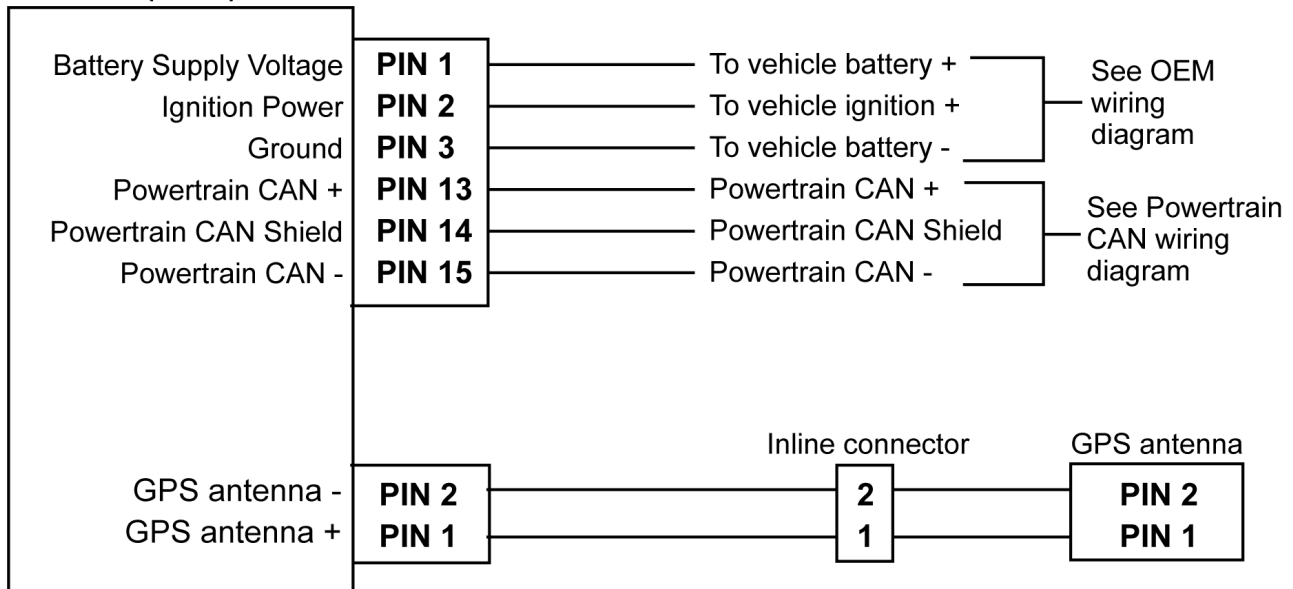
## 2 SPN 520211/FMI 2 - GHG14

Data Request Not Possible

**Table 1.**

SPN 520211/FMI 2	
Description	This Fault Code Sets When the Integrated Predictive Powertrain Control (IPPC) Module Receives Erratic, Incorrect, or Intermittent Data From the Common Powertrain Control (CPC) Module During Initial Activation
Monitored Parameters	PT-CAN
Typical Enabling Conditions	Always Enabled
Monitor Sequence	Continuous
Execution Frequency	Two Seconds
Typical Duration	10 Seconds
Dash Lamps	None
Engine Reaction	None
Verification	Ignition ON

### Integrated Predictive Powertrain Control (IPPC) Module



d260060

Check as follows:

1. Check other modules for fault codes. Are there Powertrain Controller Area Network (PT- CAN) communication fault codes present in any other modules?
  - a. Yes; repair the powertrain PT-CAN communication faults first.
  - b. No; Go to step 2.
2. Use DiagnosticLink® to reprogram the CPC using the latest server information.

3. Clear the fault codes.
4. Close DiagnosticLink and disconnect the PC to vehicle interface/communication device from the 9-pin connector.
5. Cycle the ignition in the following sequence:
  - Ignition OFF for 60 seconds
  - Ignition ON for 60 seconds
  - Ignition OFF for 60 seconds
  - Ignition ON for 60 seconds
  - Ignition OFF for 60 seconds
6. Reconnect the PC to vehicle interface/communication device to the 9-pin connector and open DiagnosticLink.
7. Turn the ignition ON (key ON, engine OFF) and wait 10 seconds.
8. Is fault code SPN 520211/FMI 2 active?
  - a. Yes; replace the IPPC module. Refer to OEM literature. Verify repair.
  - b. No; release the vehicle.

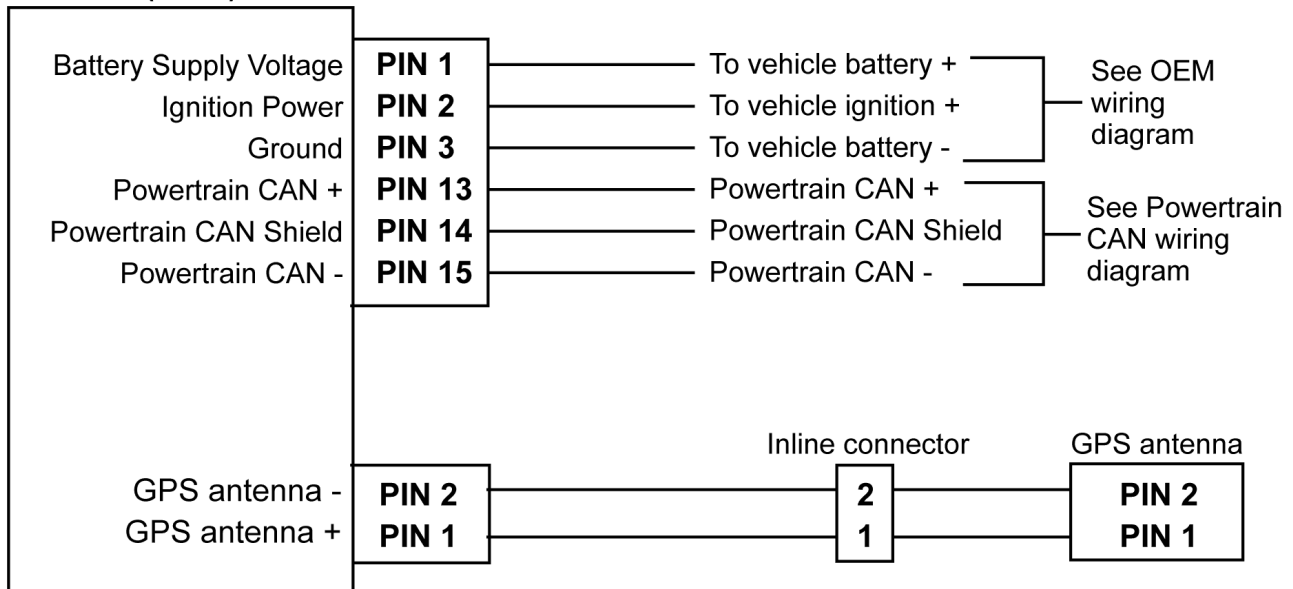
### 3 SPN 520211/FMI 2 - GHG17

Data Request Not Possible

**Table 2.**

SPN 520211/FMI 2	
Description	This Fault Code Sets When the Integrated Predictive Powertrain Control (IPPC) Module Receives Erratic, Incorrect, or Intermittent Data From the Common Powertrain Control (CPC) Module During Initial Activation
Monitored Parameters	PT-CAN
Typical Enabling Conditions	Always Enabled
Monitor Sequence	Continuous
Execution Frequency	Two Seconds
Typical Duration	10 Seconds
Dash Lamps	None
Engine Reaction	None
Verification	Ignition ON

#### Integrated Predictive Powertrain Control (IPPC) Module



d260060

Check as follows:

1. Check other modules for fault codes. Are there Powertrain Controller Area Network (PT- CAN) communication fault codes present in any other modules?
  - a. Yes; repair the powertrain PT-CAN communication faults first.
  - b. No; Go to step 2.
2. Use DiagnosticLink<sup>®</sup> to reprogram the CPC using the latest server information.

3. Clear the fault codes.
4. Close DiagnosticLink and disconnect the PC to vehicle interface/communication device from the 9-pin connector.
5. Cycle the ignition in the following sequence:
  - Ignition OFF for 60 seconds
  - Ignition ON for 60 seconds
  - Ignition OFF for 60 seconds
  - Ignition ON for 60 seconds
  - Ignition OFF for 60 seconds
6. Reconnect the PC to vehicle interface/communication device to the 9-pin connector and open DiagnosticLink.
7. Turn the ignition ON (key ON, engine OFF) and wait 10 seconds.
8. Is fault code SPN 520211/FMI 2 active?
  - a. Yes; replace the IPPC module. Refer to OEM literature. Verify repair.
  - b. No; release the vehicle.