

1 06 23-16



## Service Information Bulletin

| SUBJECT               | DATE      |
|-----------------------|-----------|
| SPN 3645 (CPC)(GHG17) | June 2016 |

### Additions, Revisions, or Updates

| Publication Number / Title | Platform                   | Section Title  | Change                                  |
|----------------------------|----------------------------|----------------|---|
| DDC-SVC-MAN-0193           | GHG17 DD<br>Medium<br>Duty | SPN 3645/FMI 9 | New DD5 and DD8 diagnostic procedures.  |
| DDC-SVC-MAN-0191           | GHG17 DD<br>Platform       | SPN 3645/FMI 9 | 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 3645/FMI 9 - GHG17

J1939 TCI Message (Transfer Case Information) is Missing

**Table 1.**

| SPN 3645/FMI 9              |                                      |
|-----------------------------|--------------------------------------|
| Description                 | Transfer Case Information is Missing |
| Monitored Parameter         | J1939 Communication                  |
| Typical Enabling Conditions | Always Enabled                       |
| Monitor Sequence            | None                                 |
| Execution Frequency         | Always Enabled                       |
| Typical Duration            | Two Seconds                          |
| Dash Lamps                  | CEL                                  |
| Engine Reaction             | None                                 |
| Verification                | Idle                                 |



### WARNING: ENGINE EXHAUST

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



### WARNING: PERSONAL INJURY

To avoid injury before starting and running the engine, ensure the vehicle is parked on a level surface, parking brake is set, and the wheels are blocked.

Check as follows:

1. 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 2.
2. Is SPN 625/FMI 9 fault code present?
  - a. Yes; repair the Controller Area Network (CAN) line. Verify repair.
  - b. No; Go to step 3.
3. Check for proper configuration of the CPC against the server information. Does the CPC have the proper configuration?
  - a. Yes; replace the CPC. Refer to Original Equipment Manufacturer (OEM) literature.
  - b. No; reprogram the CPC with the correct information as necessary. To verify repair, Go to step 4.
4. Clear fault codes. Turn ignition OFF and disconnect DiagnosticLink<sup>®</sup>. Wait five minutes for all modules to power down. Verify repair.

### 3 SPN 3645/FMI 9 - GHG17

J1939 TCI Message (Transfer Case Information) is Missing

**Table 2.**

| SPN 3645/FMI 9              |                                      |
|-----------------------------|--------------------------------------|
| Description                 | Transfer Case Information is Missing |
| Monitored Parameter         | J1939 Communication                  |
| Typical Enabling Conditions | Always Enabled                       |
| Monitor Sequence            | None                                 |
| Execution Frequency         | Always Enabled                       |
| Typical Duration            | Two Seconds                          |
| Dash Lamps                  | CEL                                  |
| Engine Reaction             | None                                 |
| Verification                | Idle                                 |



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  - b. No; Go to step 3.
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  - a. Yes; replace the CPC. Refer to Original Equipment Manufacturer (OEM) literature.
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4. Clear fault codes. Turn ignition OFF and disconnect DiagnosticLink<sup>®</sup>. Wait five minutes for all modules to power down. Verify repair.