

## 1 03 46-17



## Service Information Bulletin

SUBJECT	DATE
SPN 3461 (CPC) (GHG17)	March 2017

### Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0191	GHG17 DD Heavy Duty	SPN 3461/FMI 2 - GHG17	New GHG17 diagnostic procedures.
		SPN 3461/FMI 7 - 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.



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## 2 SPN 3461/FMI 2

PTO 1 Feedback, But Not Activated

**Table 1.**

SPN 3461/FMI 2	
Description	This Code Sets When the Power Take Off (PTO) Drive Installation Does Not Match Up with the Programmed Parameters for that PTO, Causing a Mismatch Between the PTO Switch and the PTO Feedback when the Switch is Not Activated
Monitored Parameter	PGR13 PTO1 Switch Source
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Ignition ON

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. Check for proper configuration of the Common Powertrain Controller (CPC) against the server information. See the *Electronic Controls Application and Installation Manual* section *Throttle Controls/Governors* for specific parameter programming 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 3.
3. Clear fault codes. Turn ignition OFF and disconnect DiagnosticLink<sup>®</sup>. Wait five minutes for all modules to power down. Verify repair.

### 3 SPN 3461/FMI 7

PTO 1 Activated, But No Feedback

**Table 2.**

SPN 3461/FMI 7	
Description	This Code Sets When the Power Take Off (PTO) Drive Installation Does Not Match Up with the Programmed Parameters for that PTO, Causing a Mismatch Between the PTO Switch and Having No PTO Feedback
Monitored Parameter	PGR13 PTO1 Switch Source
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	CEL
Engine Reaction	None
Verification	Ignition ON

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. Check for proper configuration of the Common Powertrain Controller (CPC) against the server information. See the *Electronic Controls Application and Installation Manual* section *Throttle Controls/Governors* for specific parameter programming 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 3.
3. Clear fault codes. Turn ignition OFF and disconnect DiagnosticLink<sup>®</sup>. Wait five minutes for all modules to power down. Verify repair.