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Service Information Bulletin

SUBJECT	DATE
SPN 3511 (ACM) (GHG17)	October 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0191	GHG17 DD Platform	SPN 3511/FMI 3 - GHG17	Updated GHG17 procedures.
		SPN 3511/FMI 4 - 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 3511/FMI 3 - GHG17

3V Sensor Supply Bank 1 Circuit Failed High

Table 1.

SPN 3511/FMI 3	
Description	3V Sensor Supply Bank 1 Circuit Failed High
Monitored Parameter	Aftertreatment Control Module (ACM) 3V Internal Power Supply
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	MIL, CEL
Engine Reaction	None
Verification	Engine Idle (One Minute)

This SPN indicates that the ACM detects a short to power (voltage is greater than 3.29) on any of the ACM pins listed in the table.

Table 2.

Component	ACM Pin
Diesel Oxidation Catalyst (DOC) Outlet Temperature Sensor	27
DOC Inlet Temperature Sensor	107
Diesel Particulate Filter (DPF) Outlet Temperature Sensor	97
Selective Catalyst Reduction (SRC) Outlet Temperature Sensor	78

Check as follows:



WARNING: PERSONAL INJURY

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

- Always start and operate an engine in a well ventilated area.
- If operating an engine in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system or emission control system.



WARNING: PERSONAL INJURY

To avoid injury, never remove any engine component while the engine is running.

1. Inspect the harness and repair as necessary.

3 SPN 3511/FMI 4 - GHG17

3V Sensor Supply Bank 1 Circuit Failed Low

Table 3.

SPN 3511/FMI 4	
Description	3V Sensor Supply Bank 1 Circuit Failed Low
Monitored Parameter	ACM 3V Internal Power Supply
Typical Enabling Conditions	Always Enabled
Monitor Sequence	None
Execution Frequency	Always Enabled
Typical Duration	Two Seconds
Dash Lamps	MIL, CEL
Engine Reaction	None
Verification	Engine Idle (One Minute)

This code indicates an Aftertreatment Control Module (ACM) internal failure. Replace the ACM. Refer to section "Removal of the 1-BOX™ Aftertreatment Control Module" or Refer to section "Removal of the Two-BOX (2V2) Aftertreatment Control Module".