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Service Information Bulletin

SUBJECT	DATE
SPN 4360 (ACM) (EPA10) and SPN 4360 (ACM) (GHG14)	August 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 4360/FMI 8 - EPA10	The fault code name has been corrected and the diagnostic procedure has been updated.
		SPN 4360/FMI 8 - GHG14	



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2 SPN 4360/FMI 8 - EPA10

SCR Inlet Temperature Signal Spike

Table 1.

SPN 4363 /FMI 8	
Description	This fault code sets when the Aftertreatment Control Module (ACM) detects a momentary abnormal Selective Catalyst Reduction (SCR) inlet temperature reading.
Monitored Parameter	Selective Catalyst Reduction Inlet Temperature sensor
Typical Enabling Conditions	Non-Regen Mode
Monitor Sequence	None
Execution Frequency	Continuous when enabling conditions met
Typical Duration	2 seconds
Dash Lamps	MIL, CEL
Engine Reaction	None
Verification	SCR efficiency test

Check as follows:

1. Connect DiagnosticLink[®].
2. Turn the ignition ON (key ON, engine OFF).
3. Check for multiple fault codes. Are fault codes SPN 4360/FMI 3 or 4 present?
 - a. Yes; diagnose the other fault codes first.
 - b. No; Go to step 4.
4. Shake the SCR inlet temperature sensor harness while watching the SCR sensor voltage using DiagnosticLink. Does the voltage fluctuate when the harness is shaken?
 - a. Yes; replace the harness. Verify repair.
 - b. No; Go to step 5.
5. Disconnect and inspect the SCR inlet temperature sensor electrical connector. Are there any spread pins, damaged pins, corrosion or signs of fretting present?
 - a. Yes; repair the harness as necessary. Verify repair.
 - b. No; replace the SCR inlet temperature sensor. Verify repair.

3 SPN 4360/FMI 8 - GHG14

SCR Inlet Temperature Signal Spike

Table 2.

SPN 4363 /FMI 8	
Description	This fault code sets when the Aftertreatment Control Module (ACM) detects a momentary abnormal Selective Catalyst Reduction (SCR) inlet temperature reading.
Monitored Parameter	Selective Catalyst Reduction Inlet Temperature sensor
Typical Enabling Conditions	Non-Regen Mode
Monitor Sequence	None
Execution Frequency	Continuous when enabling conditions met
Typical Duration	2 seconds
Dash Lamps	MIL, CEL
Engine Reaction	None
Verification	SCR efficiency test

Check as follows:

1. Connect DiagnosticLink®.
2. Turn the ignition ON (key ON, engine OFF).
3. Check for multiple fault codes. Are fault codes SPN 4360/FMI 3 or 4 present?
 - a. Yes; diagnose the other fault codes first.
 - b. No; Go to step 4.
4. Shake the SCR inlet temperature sensor harness while watching the SCR sensor voltage using DiagnosticLink. Does the voltage fluctuate when the harness is shaken?
 - a. Yes; replace the harness. Verify repair.
 - b. No; Go to step 5.
5. Disconnect and inspect the SCR inlet temperature sensor electrical connector. Are there any spread pins, damaged pins, corrosion or signs of fretting present?
 - a. Yes; repair the harness as necessary. Verify repair.
 - b. No; replace the SCR inlet temperature sensor, Refer to section "Removal of the GHG14 Selective Catalyst Reduction Inlet Temperature Sensor". Verify repair.