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Service Information Bulletin

SUBJECT	DATE
SPN 524280/FMI 2, 3, 4, 5, 6 (CPC4) (GHG14)	February 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform GHG14	SPN 524280/FMI 2	This is a new diagnostic procedure.
		SPN 524280/FMI 3	
		SPN 524280/FMI 4	
		SPN 524280/FMI 5	
		SPN 524280/FMI 6	



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2 SPN 524280/FMI 2 - GHG14

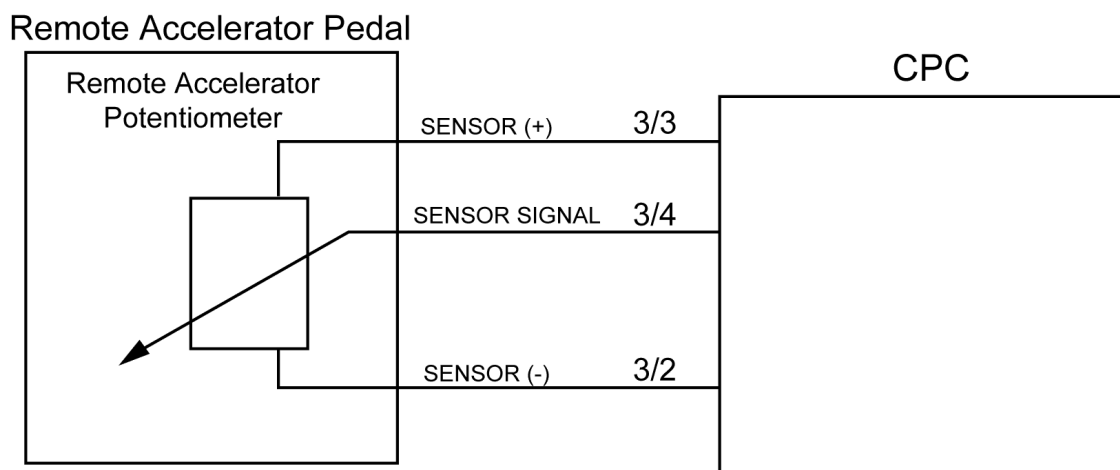
This diagnostic is typically Remote Idle Validation Switch Inputs Reversed

Table 1.

SPN 524280/FMI 2	
Description	Remote Idle Validation Switch Inputs Reversed
Monitored Parameter	Remote Accelerator Pedal Signal
Typical Enabling Conditions	Always On
Monitor Sequence	Key on
Execution Frequency	None
Typical Duration	None
Dash Lamps	MIL
Engine Reaction	Idle Only
Verification	Ignition key cycled on

Possible causes:

- Remote accelerator pedal assembly
- Circuit fault
- Fault within the CPC
- Improper configuration of the CPC



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Check as follows:

1. Verify that the vehicle is equipped with a Remote Accelerator Pedal. Is the vehicle equipped with a remote accelerator pedal?
 - a. Yes; Go to step 4.

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- b. No; Go to step 2.
 2. Has the Common Powertrain Controller (CPC) been reprogrammed recently?
 - a. Yes; verify the configuration of the CPC against the server information or the Application and Installation Manual. Correct the information as necessary. Verify repair.
 - b. No; Go to step 3.
 3. Reprogram the CPC using the information from the server. Is SPN 524280/FMI 2 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.
 4. Disconnect CPC connector #3. Go to step 5.
 5. Is SPN 524280/FMI 2 still present?
 - a. Yes; Go to step 6.
 - b. No; refer to OEM procedures to diagnose the short in the Remote Accelerator Pedal.
 6. Reprogram the CPC. Is SPN 524280/FMI 2 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.

3 SPN 524280/FMI 3 - GHG14

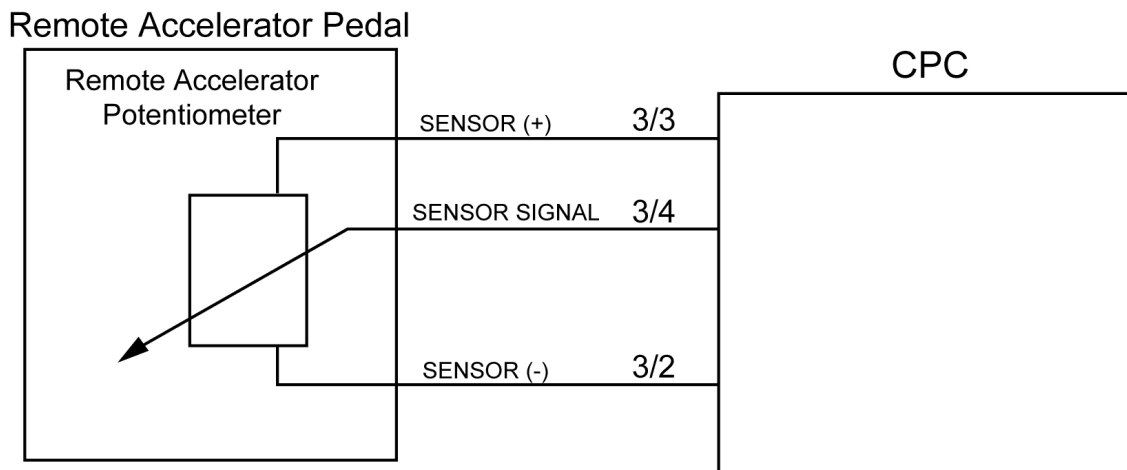
This diagnostic is typically Remote Accelerator Pedal Idle Validation Switch 1 Circuit Failed High. This code sets when the idle validation signal is less than 1.06 volts.

Table 2.

SPN 524280/FMI 3	
Description	Remote Accelerator Pedal Idle Validation Switch 1 Circuit Failed High
Monitored Parameter	Remote Accelerator Pedal Signal
Typical Enabling Conditions	Always On
Monitor Sequence	Key on
Execution Frequency	None
Typical Duration	None
Dash Lamps	MIL
Engine Reaction	Idle Only
Verification	Ignition key cycled on.

Possible causes:

- Remote accelerator pedal assembly
- Circuit fault
- Fault within the CPC
- Improper configuration of the CPC



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Check as follows:

1. Verify that the vehicle is equipped with a Remote Accelerator Pedal. Is the vehicle equipped with a remote accelerator pedal?

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- a. Yes; Go to step 4.
 - b. No; Go to step 2.
2. Has the Common Powertrain Controller (CPC) been reprogrammed recently?
 - a. Yes; verify the configuration of the CPC against the server information or the Application and Installation Manual. Correct the information as necessary. Verify repair.
 - b. No; Go to step 3.
 3. Reprogram the CPC using the information from the server. Is SPN 524280/FMI 3 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.
 4. Disconnect CPC connector #3. Go to step 5.
 5. Is SPN 524280/FMI 3 still present?
 - a. Yes; Go to step 6.
 - b. No; refer to OEM procedures to diagnose the open in the Remote Accelerator Pedal.
 6. Reprogram the CPC. Is SPN 524280/FMI 3 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.

4 SPN 524280/FMI 4 - GHG14

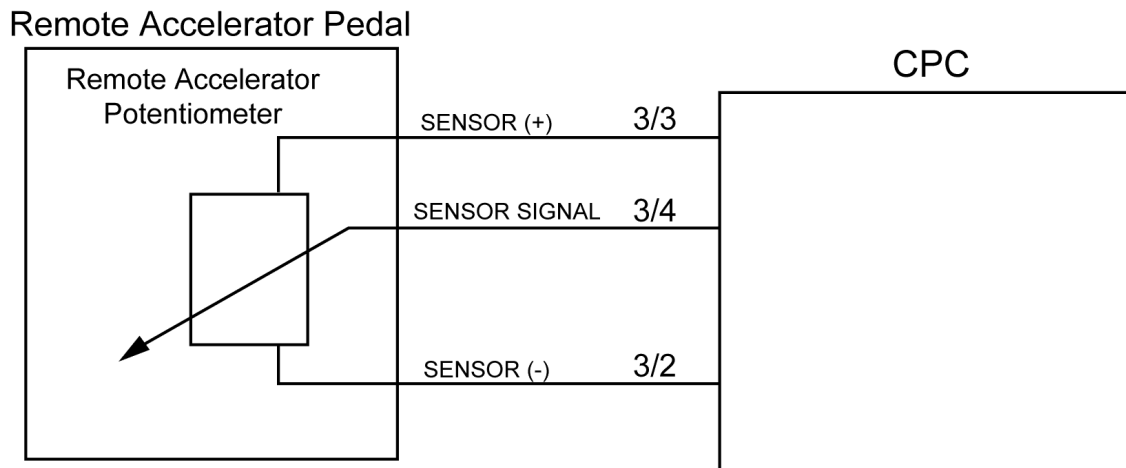
This diagnostic is typically Remote Accelerator Pedal Idle Validation Switch 1 Circuit Failed Low

Table 3.

SPN 524280/FMI 4	
Description	Remote Accelerator Pedal Idle Validation Switch 1 Circuit Failed Low
Monitored Parameter	Remote Accelerator Pedal Signal
Typical Enabling Conditions	Always On
Monitor Sequence	Key on
Execution Frequency	None
Typical Duration	None
Dash Lamps	MIL
Engine Reaction	Idle Only
Verification	Ignition key cycled on.

Possible causes:

- Remote accelerator pedal assembly
- Circuit fault
- Fault within the CPC
- Improper configuration of the CPC



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Check as follows:

1. Verify that the vehicle is equipped with a Remote Accelerator Pedal. Is the vehicle equipped with a remote accelerator pedal?
 - a. Yes; Go to step 4.

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- b. No; Go to step 2.
 2. Has the Common Powertrain Controller (CPC) been reprogrammed recently?
 - a. Yes; verify the configuration of the CPC against the server information or the Application and Installation Manual. Correct the information as necessary. Verify repair.
 - b. No; Go to step 3.
 3. Reprogram the CPC using the information from the server. Is SPN 524280/FMI 4 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.
 4. Disconnect CPC connector #3. Go to step 5.
 5. Is SPN 524280/FMI 4 still present?
 - a. Yes; Go to step 6.
 - b. No; refer to OEM procedures to diagnose the short in the Remote Accelerator Pedal.
 6. Reprogram the CPC. Is SPN 524280/FMI 4 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.

5 SPN 524280/FMI 5 - GHG14

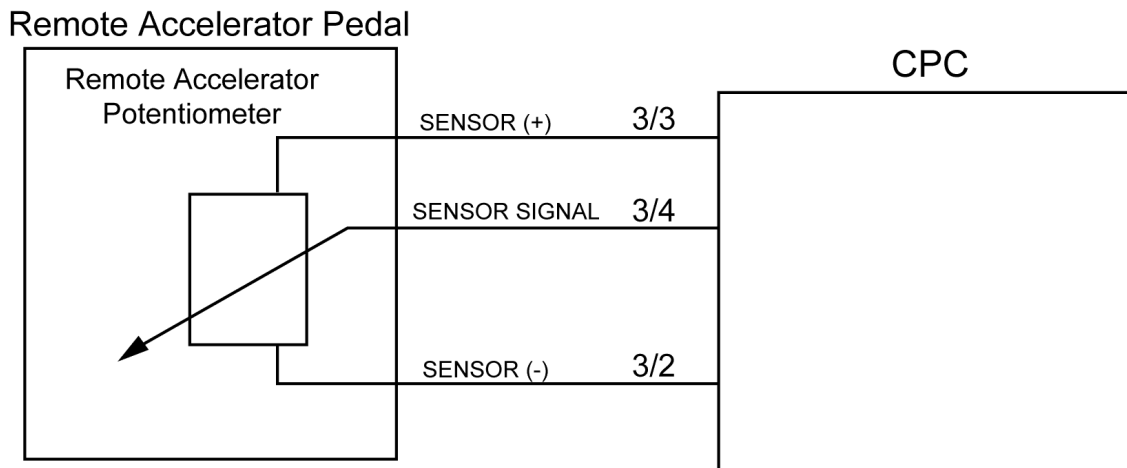
This diagnostic is typically Remote Accelerator Pedal Idle Validation Switch 2 Circuit Failed Low

Table 4.

SPN 524280/FMI 5	
Description	Remote Accelerator Pedal Idle Validation Switch 2 Circuit Failed Low
Monitored Parameter	Remote Accelerator Pedal Signal
Typical Enabling Conditions	Always On
Monitor Sequence	Key on
Execution Frequency	None
Typical Duration	None
Dash Lamps	MIL
Engine Reaction	Idle Only
Verification	Ignition key cycled on.

Possible causes:

- Remote accelerator pedal assembly
- Circuit fault
- Fault within the CPC
- Improper configuration of the CPC



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Check as follows:

1. Verify that the vehicle is equipped with a Remote Accelerator Pedal. Is the vehicle equipped with a remote accelerator pedal?
 - a. Yes; Go to step 4.

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- b. No; Go to step 2.
 2. Has the Common Powertrain Controller (CPC) been reprogrammed recently?
 - a. Yes; verify the configuration of the CPC against the server information or the Application and Installation Manual. Correct the information as necessary. Verify repair.
 - b. No; Go to step 3.
 3. Reprogram the CPC using the information from the server. Is SPN 524280/FMI 5 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.
 4. Disconnect CPC connector #3. Go to step 5.
 5. Is SPN 524280/FMI 5 still present?
 - a. Yes; Go to step 6.
 - b. No; refer to OEM procedures to diagnose the short in the Remote Accelerator Pedal.
 6. Reprogram the CPC. Is SPN 524280/FMI 5 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.

6 SPN 524280/FMI 6 - GHG14

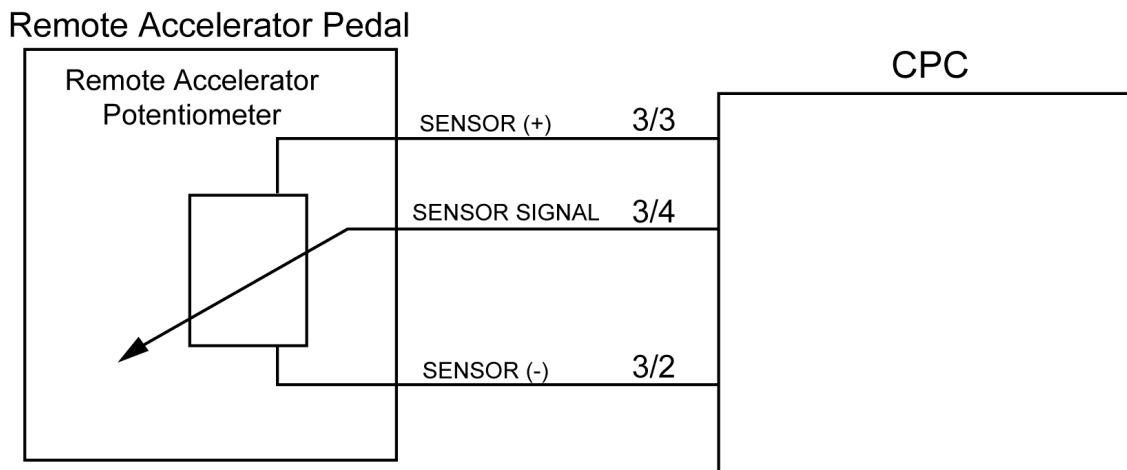
This diagnostic is typically Remote Accelerator Pedal Idle Validation Switch 2 Circuit Failed High. This code sets when the idle validation signal is greater than 1.02 volts.

Table 5.

SPN 524280/FMI 6	
Description	Remote Accelerator Pedal Idle Validation Switch 2 Circuit Failed High
Monitored Parameter	Remote Accelerator Pedal Signal
Typical Enabling Conditions	Always On
Monitor Sequence	Key on
Execution Frequency	None
Typical Duration	None
Dash Lamps	MIL
Engine Reaction	Idle Only
Verification	Ignition key cycled on.

Possible causes:

- Remote accelerator pedal assembly
- Circuit fault
- Fault within the CPC
- Improper configuration of the CPC



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Check as follows:

1. Verify that the vehicle is equipped with a Remote Accelerator Pedal. Is the vehicle equipped with a remote accelerator pedal?

- a. Yes; Go to step 4.
 - b. No; Go to step 2.
2. Has the Common Powertrain Controller (CPC) been reprogrammed recently?
 - a. Yes; verify the configuration of the CPC against the server information or the Application and Installation Manual. Correct the information as necessary. Verify repair.
 - b. No; Go to step 3.
 3. Reprogram the CPC using the information from the server. Is SPN 524280/FMI 6 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.
 4. Disconnect CPC connector #3. Go to step 5.
 5. Is SPN 524280/FMI 6 still present?
 - a. Yes; Go to step 6.
 - b. No; refer to OEM procedures to diagnose the open in the Remote Accelerator Pedal.
 6. Reprogram the CPC. Is SPN 524280/FMI 6 still present?
 - a. Yes; replace the CPC. Verify repair.
 - b. No; release the vehicle.