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Coding Information

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Title: Installing the 7104373C91 A26 Engine Sensor Harness

Applies To: All EPA 2017 A26 Engines

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

02/17/2022 - Initial Article Release

DESCRIPTION

This document will guide the user through the installation of the new 7104373C91 engine sensor harness. This harness is revised to add a more robust connection to both the Fuel Rail Pressure (FRP) sensor and also the Engine Fuel Actuator 2 (EFA2). This harness replaces the former 7099264C95.

NOTE: be aware that the installation process is slightly different on engines equipped with and without the Cold Start Assist (CSA) system.

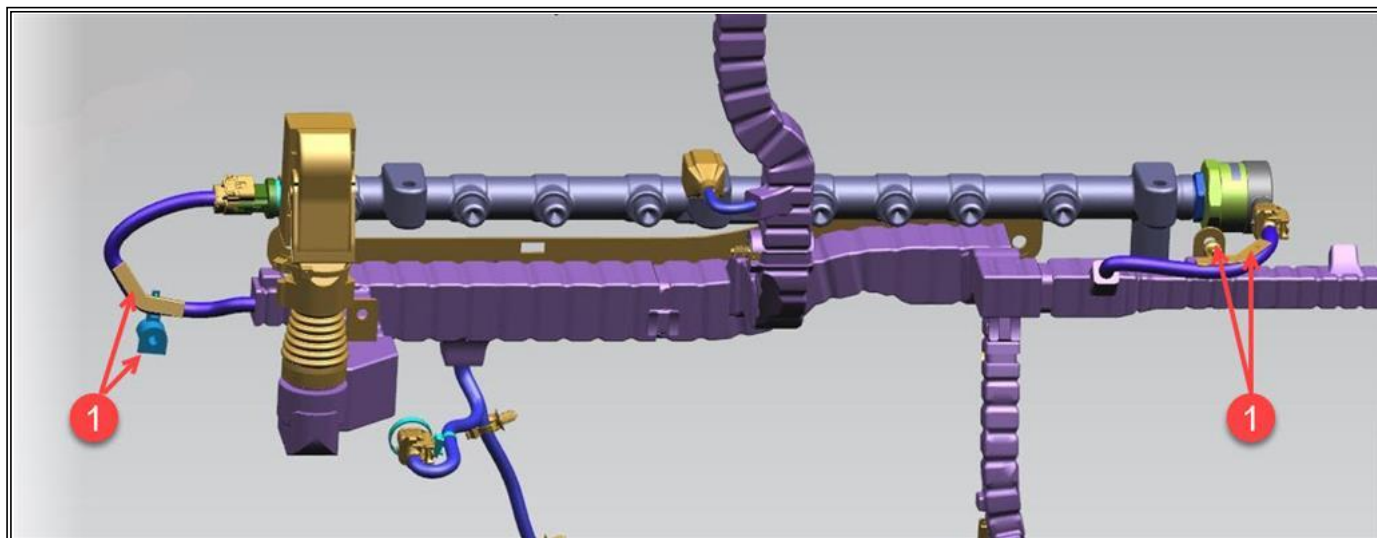


Figure #1: Changes to the Harness

Item 1: A plastic bend has been added to the harness to properly secure and support the connections at each end. This will help eliminate movement resulting in intermittent connections.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

Poor connections at the fuel rail may result in one or more of the following DTC's

	Description
SPN 157 FMI 3	FRP: Voltage Above Normal, or Shorted to High Source
SPN 157 FMI 4	FRP: Voltage Below Normal, or Shorted to Low Source

SPN 157 FMI 10	FRP: Abnormal Rate of Change
SPN 157 FMI 20	FRP: Data Drifted High

Customer Observations or Concerns:

The driver may experience a check engine light coming on intermittently, low power at times, or a rough running complaint.

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
N/A			

SERVICE PARTS INFORMATION

Description	Part Number	Quantity Required	Notes
Engine Sensor Harness	7104373C91	1	
Stud Bolt M8 X 15 X 22	7104193C1	1	For FRP Sensor Connection
Stud Bolt M6 X 20 X 25	7093551C1	1	For EFA2 Connection

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

INSTALLATION PROCEDURE :

FRP Connection on Engines WITH Cold Start Assist (CSA)

1. Install the harness on the engine as outlined in the [SERVICE MANUAL](#).

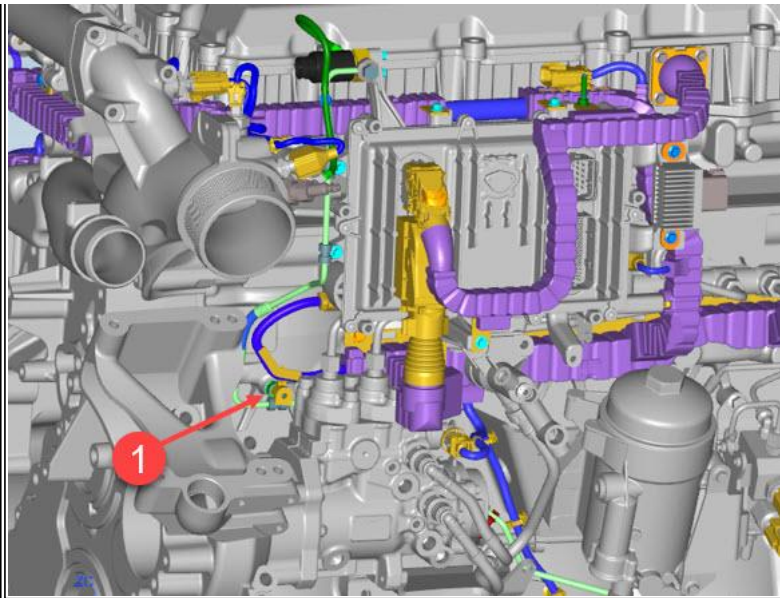


Figure #2: Plastic Bend Installation at the FRP Connection

Item 1: 7104193C1 Stud Bolt

2. Remove the existing stud bolt securing the CSA fuel line to the block.
3. Install the longer 7104193C1 stud bolt (**Figure #2 Item 1**).
4. Slide the plastic bend support over the stud bolt to secure it in place.

FRP Connection on Engines WITHOUT Cold Start Assist (CSA)

5. Install the 7104193C1 stud bolt in the same location as above and secure the harness accordingly. There will not be a bolt to remove first as no fuel line is present.

EFA2 Connection on ALL Engines

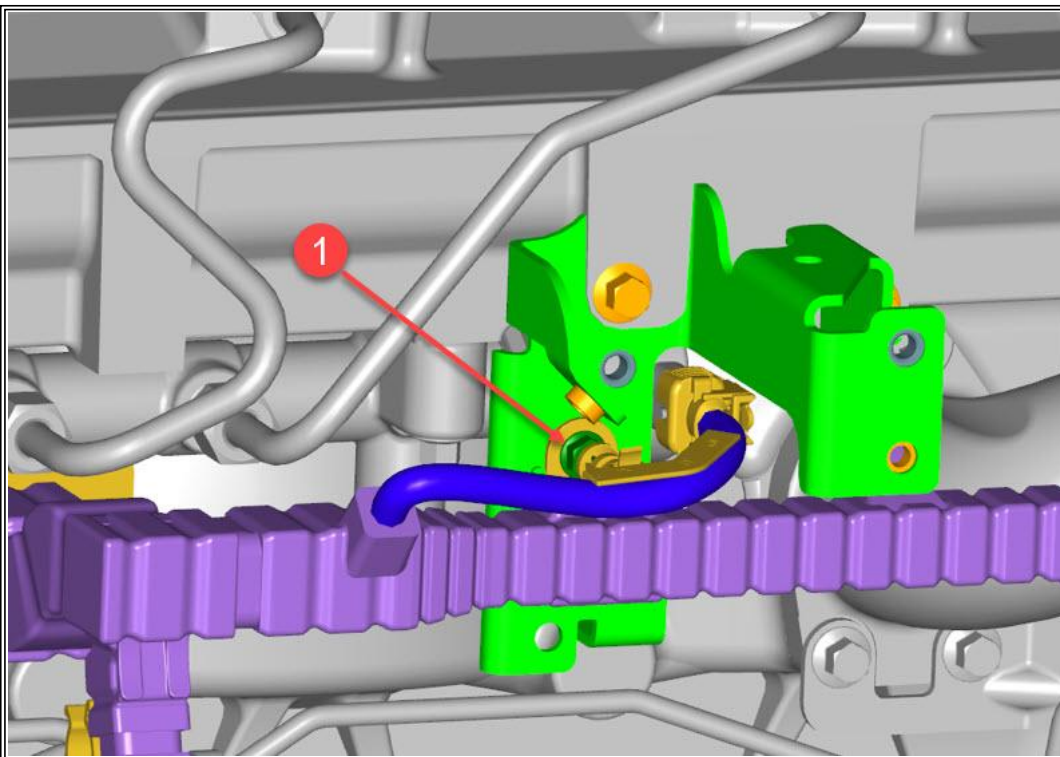


Figure #3: Plastic Bend Installation for the EFA2 Connection

Item 1: 7093551C1 Stud Bolt

6. Remove the existing 1817817C1 bolt in the support bracket.

7. Install the new 7093551C1 stud bolt (**Figure #3 Item 1**) in it's place, then slide the plastic bend over it to secure the connection in place.
 8. Follow published assembly instructions outlined in the [SERVICE MANUAL](#) to complete the repair.
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WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

OTHER RESOURCES

[Master Service Information Site](#)

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