



Mack Models

Mack Model LR , LEU , MRU-TerraPro , AN-Anthem , CHU-Pinnacle, Axle back , CXU-Pinnacle, Axle forward , GU-Granite

Volvo Models

Volvo Model VNR , VNL , VNM , VHD , VAH

Engine family

Engine family 11L Engine , 13L Engine , MP7 , MP8

Emission Standard

Emission Standard US17 , OBD2017 , 2018

**** SOLUTION ****

Title Diagnostic Trouble Codes (DTC) P0194-00 - Fuel Rail Pressure Sensor, Circuit Erratic, Intermittent And/Or P016E-00 Closed Loop Fuel Pressure At Control Limit, Pressure Too High - **US17+OBD16 (Common Rail Fuel System) Emissions And Newer; Model Year 2017 And Newer**

Cause Common Rail Engines may generate DTCs P0194-00 Fuel Rail Pressure Sensor (RPS) and/or P016E-00 Closed Loop Fuel Pressure At Control Limit, Pressure Too High due to corrosion on the sensor and wire harness terminals. Due to the nature of the fault it may be difficult or not possible to duplicate the symptoms.

Solution **For all active or in-active occurrences of this fault code complete the following process:**

1. Replace the following parts:

- The Fuel Rail Pressure sensor
- The short internal wiring harness that runs between the connector on the lower section of the two-piece valve cover and the pressure sensor



Rail Pressure Sensor Harness

2. Apply a liberal amount of locally purchased, Permatex Dielectric Grease part no. 81150

or 22058 to the pin and socket terminals. Do not over-fill the connectors which may damage the wire seals.

3. Secure the rail pressure sensor wire harness to the connector body with a cable tie to keep the harness away from the valve train components that move during engine operation.

- **NOTE:** Ensure that there is enough slack in the wire that there is no tension on the wires and pins at the connector when securing the cable tie.



Cable tie location



Wires from the sensor connector

| | |
|------------------------------------------|---------------------------------------------------------------------------|
| Solution visibility | Dealer distribution |
| Support Area | CBR |
| Function(s)/component(s) affected | |
| Function affected | 1 1 0 EMS , fuel system |
| Function Group | |
| Function Group | 237 injector and delivery pipe , 2846 Sensor , 2861 Engine Wiring Harness |
| Customer effect | |
| Main customer effect | fault code/display |
| Fluid implicated | fuel |
| Fault code(s) | |
| OBD 2013 Diagnostic Trouble Codes | P016E-00 , P0194-00 |
| Conditions | |
| Vehicle operating mode | when driving , when stationary |
| Administration | |
| Author | UT5061H |
| Last modified by | A241298 |
| Creation date | 10-07-2017 19:07 |
| Date of last update | 05-12-2018 21:12 |
| Review date | 22-08-2017 00:08 |
| Status | Published |

Average score 0.75

Number of scores 4