

DTC P0194-00 and/or P016E-00, Fuel Rail Pressure Sensor (RPS) and Wiring Harness, Replacement
VN, VAH, VHD

FSB 284-070 DTC P0194-00 and/or P016E-00, Fuel Rail Pressure Sensor (RPS) and wiring harness, Replacement

(December 2020)

On certain Volvo trucks built from November 14, 2016 to December 31, 2019, 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 wear of the sensor and wire harness terminals. Due to the nature of the fault it may be difficult or not possible to duplicate the symptoms.

If this condition is found, follow the instructions outlined in this FSB.

Required Parts

11L VGT Engines

| Part Description | Part No | Quantity |
|---------------------------------|----------------|-----------------|
| Pressure Sensor, F2 Common Rail | 23488937 | 1 |
| Wiring Harness, Rear | 23502057 | 1 |

13L VGT & TC Engines

| Part Description | Part No | Quantity |
|---------------------------------|----------------|-----------------|
| Pressure Sensor, F2 Common Rail | 23488939 | 1 |
| Wiring Harness, Rear | 23502054 | 1 |

Repair Procedure

You must read and understand the precautions and guidelines in Service Information, group 20, "General Safety Practices, Engines" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



DANGER

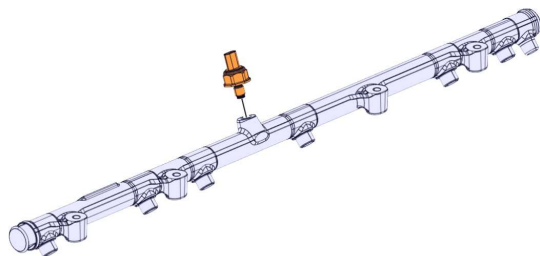
Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

- 1 Confirm DTC **P0194-00** and / or **P016E-00** is present.
- 2 Remove Valve Cover as per Impact Operation **2115-03-02-02**.
- 3 Remove and replace the Pressure Sensor and Wiring Harness, Rear as per Impact Operations **2373-03-03-06** & **2861-03-03-03**.

11L ENGINE

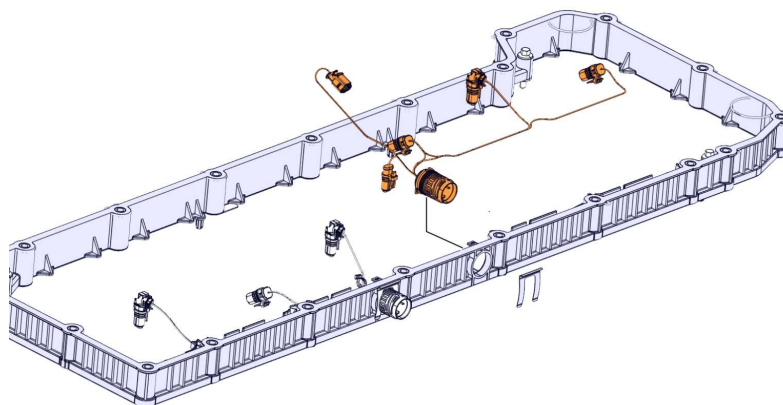


13L ENGINE



T2166577

11L and 13L ENGINE



T2166578

Reimbursement

| | |
|---|--|
| <p>This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.</p> | <p>UCHP Reimbursement</p> |
| <p>Claim Type (used only when uploading from the Dealer Bus. Sys.)</p> | <p>W</p> |
| <p>Labor Code</p> | <p style="background-color: #cccccc;"></p> |
| <p>Pressure Sensor, Common Rail, Replacement, Valve Cover removed</p> | <p>2373-03-03-06 0.2 hrs.</p> |
| <p>Wiring Harness, Injector, Replacement (Rear), Valve Cover removed (Time Varies Per Model)</p> | <p>2861-03-03-03 Use Impact for Time (0.3 - 0.4 hr.).</p> |
| <p>Valve Cover, Replacement (Time Varies Per Model)</p> | <p>2115-03-02-02 Use Impact for Time (0.9 - 1.9 hr.)</p> |
| <p>Causal Part</p> | <p>22720182</p> |

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