

**** SOLUTION ****

Title Common Rail Fuel System Faults - Diagnostic Trouble Codes (DTC) P0094, P228F, P016F, P0087, P00C6, P0257, P2A17, P2A1F; Repair Information - [US17+OBD16](#), [US17+OBD18](#), and [US17+OBD19 Emissions](#), Model Years 2018 To 2020

Mack Models

Mack Model LR , MRU - TerraPro , TE - TerraPro , AN - Anthem , CHU - Pinnacle, Axle back , C XU - Pinnacle, Axle front , GR - Granite , GU - Granite , PI - Pinnacle

Volvo Models

Volvo Model VN , VNL , VNR , VNX , VAH , VHD

Emission Standard

Emission Standard US17+OBD16 , US17+OBD18 , US17+OBD19

Engine family

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

**** SOLUTION ****

Cause Guided Diagnostic has been updated in Tech Tool Version 2.7.65 for the list of fuel system fault codes in the solution below.

Solution

Applicable DTCs:

DTC	Description
P0094	Fuel System Leak Detected - Small Leak
P228F	Fuel Pressure Regulator 1 Exceeded Learning Limits - Too High
P016F	Closed Loop Fuel Pressure Control At Limit - Pressure Too Low
P0087	Fuel Rail/System Pressure - Too Low
P00C6	Fuel Rail Pressure Too Low - Engine Cranking
P0257	Injection Pump Fuel Metering Control "B" Range/Performance (Cam/Rotor/Injector)
P2A17	Injection Pump Fuel Metering Control "D" Range/Performance (Cam/Rotor/Injector)
P2A1F	Injection Pump Fuel Metering Control "F" Range/Performance (Cam/Rotor/Injector)

If a vehicle with a common rail fuel system presents with one of the codes above:

1. Check the current version of Premium Tech Tool (PTT).
2. Update Tech Tool if the version is not 2.7.65 or higher.
3. Follow Guided Diagnostics for the latest troubleshooting steps for these fault codes.

4. Document the results from the tests to provide Tech Support if required.

Solution visibility	Dealer distribution
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Function Group

Function Group	23 fuel system, excluding gas propulsion
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Fault Codes And Error Codes

OBDDII Diagnostic Trouble Codes (P, U, B Format)	P0087-00 , P0094-00 , P00C6-00 , P016F-00 , P0257-00 , P228F-00 , P2A17-00 , P2A1F-00
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Administration

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Dealer ID	UT0455H
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Last modified by	RU4469V
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Creation date	09-10-2019 21:10
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Date of last update	22-10-2019 22:10
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Review date	31-08-2020 00:08
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Status	Published
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NA_Author_Group	GTT
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