



Mack Models

Mack Model LR , LEU , MRU , CHU , CXU , GU , TD

Engine family

Engine family MP7 , MP8 , MP10

Emission Standard

Emission Standard US16 , US15

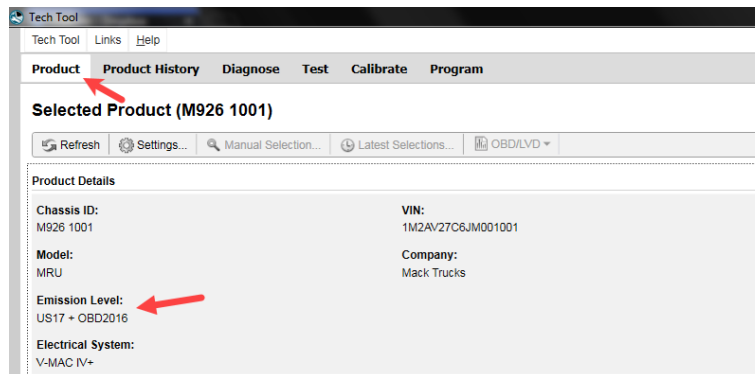
**** SOLUTION ****

Title Mack Chassis - Diagnostic Trouble Code (DTC) P226D Intermittently Lighting The Malfunction Indicator Lamp (MIL) - **US14+OBD15 And US14+OBD16 Emissions (Non-Common Rail Fuel System), Commonly Model Years 2015 and 2016**

Cause US14+OBD15 and US14+OBD16 emissions vehicles may intermittently log fault P226D.

Solution **Verify the chassis emissions level**

- Details can be found in the Product Details box on the Product tab in PTT as seen below:



Review the Detailed Status Information for the relevant code on the DTC Readout.

DTC List (2 Items)

Control Unit	DTC	Status
Brake ECU (MID 136)	SID 69: Axel load sensor, FMI 2: Data erratic, intermittent, or incorrect	Active
Engine Control Module (EMS)	P229F64: NOx Sensor Gas Outlet Removed, Signal Plausibility Failure	Active

NOx Sensor Gas Outlet Removed

Detailed status information

Title	Value
Confirmed DTC	True
Pending DTC	False
Test failed	True
Test failed since last clear	True
Test failed this operation cycle	True
Test not completed since last clear	False
Test not completed this operation cycle	False
Warning indicator requested	False

Software improvements have been released for both emissions levels to address this DTC. Field Service Bulletins with information and instructions have been published for each emissions level. Both FSBs can be found under the Service tab in [Impact](#), [Function Group 284](#). The articles can also be searched for by Title. Refer to the chart below for the correct bulletin information:

Emissions Level (Model Year)	Field Service Bulletin
US14+OBD15 (2016)	FSB 284-064 Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming
US14+OBD16 (2017)	FSB 284-065 Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming

If the Bulletin does not appear when searched with either VIN or Chassis information entered, search by model:

1. Clear any chassis information from the Search box.
2. Select or enter the applicable model.

The screenshot shows a search interface with the following fields: 'Chassis series', 'Chassis No.', 'VIN', a dropdown menu with 'CXU' selected (indicated by a red arrow), and 'Function group'. There is also a search icon in the top right corner.

3. Make sure Title is selected in the Search By field. Enter the correct Bulletin title in the text entry field.

The screenshot shows a search interface with an 'Additional search values' dropdown, a 'Search by:' dropdown set to 'Titles' (indicated by a red arrow), and a text entry field containing 'FSB 284-065' (indicated by a red arrow).

4. Press the Search button. The operation will appear in the results window.

Fgrp	Title	Info type	ID/Operation
284	FSB 284-065, Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming	Repair	2841-22-09-17

5. Select the correct vehicle configuration from the list that appears as shown below:

Description	ID	Date
<input type="checkbox"/> CXU, ENG-VE11, EOBD-U16, Assembly Date 2016-01-01 - 2016-12-31		06/08/2018
<input type="checkbox"/> CXU, ENG-VE13, EOBD-U16, Assembly Date 2016-01-01 - 2016-12-31		
<input checked="" type="checkbox"/> CXU, ENG-VE16, EOBD-U16, Assembly Date 2016-01-01 - 2016-12-31		

If software is current and the code is present, the code confirmed status should be verified to be TRUE as shown above before continuing diagnosis.

- Codes and symptoms that may be related to P226D should be diagnosed prior to P226D itself.

NA_Sister solutions	K72089047
Campaign code	FSB284-064, FSB284-065
Solution visibility	Dealer distribution
Function(s)/component(s) affected	
Function affected	FSB , DPF , 1 1 0 EMS , Diagnostic tool
Function Group	
Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 284 control system, fuel supply
Customer effect	
Main customer effect	regeneration , temperature , diagnostics/methodology , fault code/display
Lights/Messages on information display	 Driver's information warning pictogram
Fault code(s)	
OBD 2013 Diagnostic Trouble Codes	P226D
Conditions	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	random
Administration	
Author	RU4469V
Dealer ID	RU4469V
Last modified by	RU4469V
Creation date	20-04-2018 22:04
Date of last update	19-06-2018 16:06
Status	Published