



Mack Models

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

Engine family

Engine family MP7 , MP8 , MP10

Emission Standard

Emission Standard US15

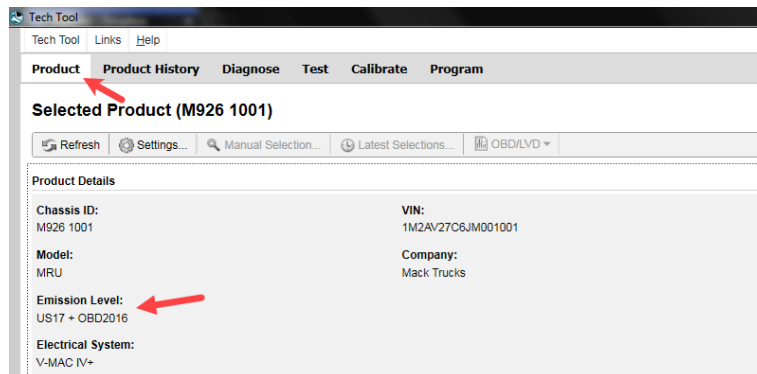
**** SOLUTION ****

Title Mack Chassis - Diagnostic Trouble Code (DTC) P0128, Diagnostic And Repair - **US14 +OBD15, Common Model Year 2016**

Cause P0128-00 Coolant Thermostat (Coolant Temp Below Thermostat Regulating Temperature) may log in US14+OBD15 vehicles. It is possible that the code is generated due to a software issue, resulting in diagnosis finding no fault.

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.

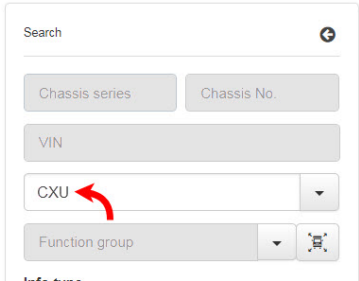
DTC List (2 Items)		
Control Unit	DTC	Status
Brake ECU (MID 136)	SID 69: Axel load sensor, FMI 2: Data erratic, intermittent, or incorrect	Active
Engine Control Module (EMS)	P229F64: NOx Sensor Gas Outlet Removed, Signal Plausibility Failure	Active
NOx Sensor Gas Outlet Removed		
Detailed status information		
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 to address this DTC. A Field Service Bulletin with information and instructions has been published and 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

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.



Search

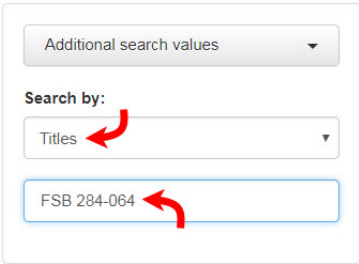
Chassis series Chassis No.

VIN

CXU

Function group

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



Additional search values

Search by:

Titles

FSB 284-064

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

Fgrp	Title	Info type	ID/Operation
284	FSB 284-064 Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming	Repair	2841-22-09-16

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

FSB 284-064 Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming

Description	ID	Date
☐ CXU, ENG-VE11, Assembly Date 2015-01-01 - 2015-12-31		06/08/2018
☐ CXU, ENG-VE13, Assembly Date 2015-01-01 - 2015-12-31		
☐ CXU, ENG-VE16, Assembly Date 2015-01-01 - 2015-12-31		

If software is current according to the bulletin, the code should only be diagnosed if the Confirmed Status is True, as shown above. If status is False, the code should be cleared and the vehicle released.

If any other symptoms or related codes are present, they will need to be diagnosed first. This DTC will not cause any physical symptoms if it is generated by software.

NA_Sister solutions

[K51683834](#)

Campaign code

FSB284-064

Solution visibility

Dealer distribution

Function(s)/component(s) affected

Function affected

FSB , cooling , 1 1 0 EMS , Diagnostic tool

Function Group

Function Group

26 cooling system , 284 control system, fuel supply

Customer effect

Main customer effect

calibration/programming/pairing/missing operation , diagnostics/methodology , fault code/display

Fluid implicated

coolant

Fault code(s)

OBD 2013 Diagnostic
Trouble Codes

P0128

Conditions

Vehicle operating mode

when driving , when stationary

Frequency of occurrence of
problem

random

Administration

Author

a175606

Last modified by

RU4469V

Creation date

06-04-2016 16:04

Date of last update

20-06-2018 16:06

Status

Published