



Mack Models

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

Engine family

Engine family MP7 , MP8 , MP10

Emission Standard

Emission Standard US15 , US14 GHG

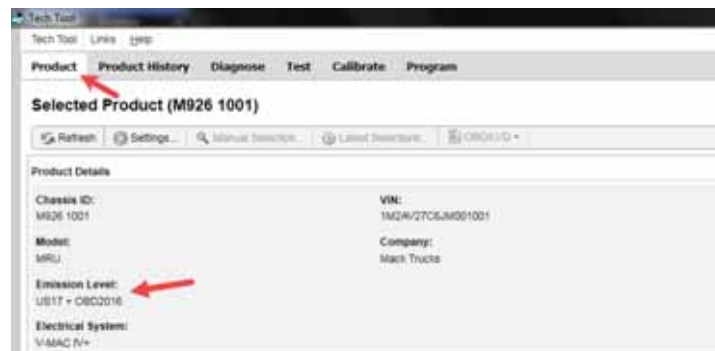
** SOLUTION **

Title Mack Chassis - Diagnostic Trouble Code (DTC) P208A Lighting The Malfunction Indicator Lamp (MIL) - **US14+OBD13 And US14+OBD15 Emissions, Common Model Years 2015 And 2016**

Cause Diagnostic Trouble Code (DTC) P208A Reductant Pump "A" Control may log intermittently on US14+OBD13 And US14+OBD15 Emissions (Model Year 2015, 2016) chassis, commonly during an engine cold start.

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 of Items

Control Unit	DTC	Status
Brake ECU (MD 136)	SID 69: Axel load sensor, FM 2 Data erratic, intermittent, or incorrect	Active
Engine Control Module (EMS)	P208A: NOx Sensor Gas Outlet Removal, Signal Plausibility Failure	Active

NOx Sensor Gas Outlet Removal

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+OBD13 (2015)	FSB 284-066 Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming
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.

A screenshot of a search interface. It features a search bar at the top with a magnifying glass icon. Below it are several input fields: 'Chassis info', 'Chassis No.', 'VIN', 'CXJ', and 'Function group'. A red arrow points to the 'CXJ' field, indicating it should be selected or entered.

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

A screenshot of a search interface. It shows a dropdown menu for 'Additional search values' and a 'Search by:' dropdown menu. The 'Search by:' menu is set to 'Titles'. Below it is a text entry field containing 'FSB 284-064'. A red arrow points to the text entry field, indicating the correct bulletin title should be entered.

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	2041-22-05-16

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
<input type="checkbox"/> CXU, ENG-VE11, Assembly Date 2015-01-01 - 2015-12-31		06/08/2018
<input type="checkbox"/> CXU, ENG-VE13, Assembly Date 2015-01-01 - 2015-12-31		
<input checked="" type="checkbox"/> CXU, ENG-VE16, Assembly Date 2015-01-01 - 2015-12-31		

If software shows to be current, ensure the Confirmed DTC status is True as shown above, then proceed with diagnostics. Review and diagnose any related codes prior to replacing any parts for P208A findings.

- If the Confirmed DTC status is FALSE, DO NOT proceed with diagnosis. Address any other issues, clear the codes, and release the chassis.

NA_Sister solutions	K40341485
Campaign code	FSB284-064, FSB284-066
Solution visibility	Dealer distribution
Function(s)/component(s) affected	
Function affected	DEF Dosing , SCR , battery/power supply , low voltage disconnect , 1 1 0 EMS , 2 1 0 ACM , 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 , power supply , calibration/programming/pairing/missing operation , diagnostics/methodology , efficiency/abnormal behavior , fault code/display
Fluid problem	priming/loss of prime
Fluid implicated	AdBlue
Fault code(s)	
OBD 2013 Diagnostic Trouble Codes	P208A
Conditions	
Vehicle operating mode	on start-up , when driving , when stationary
Frequency of occurrence of problem	random
Administration	
Author	RU4469V
Dealer ID	RU4469V
Last modified by	RU4469V

Creation date	19-04-2018 22:04
Date of last update	19-06-2018 21:06
Review date	30-06-2020 00:06
Status	Published