



NA_MACK_Vehicle_Range

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

Engine family

Engine family MP7 , MP8 , MP10

Emission Standard

Emission Standard US16 , US15

** SOLUTION **

Title (customer effect) Mack Chassis - Diagnostic Trouble Code (DTC) P249C Intermittently Lighting The Malfunction Indicator Lamp (MIL) - **US14+OBD15 And US14+OBD16 (Non-Common Rail Fuel System) Emissions, Commonly Model Years 2016 And 2017**

Cause OBD15 And US14+OBD16 (Commonly Model Year 2016 and 2017) Chassis may log DTC P249C under High RPM and Light load conditions

Solution

Overview

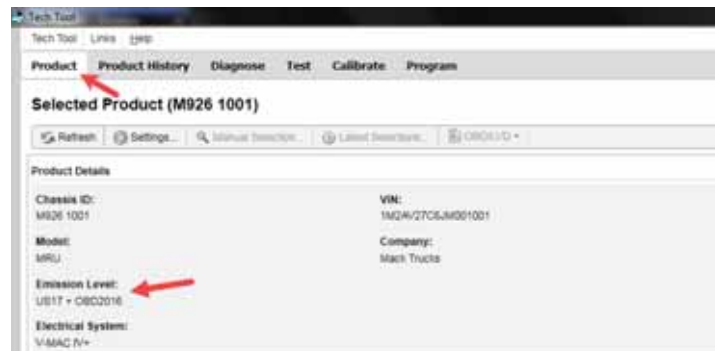
Vehicles may display the MIL and P249C - Excessive Time To Enter Closed Loop Reductant Injection Control.

The code and warning lamp will likely set when the chassis is running at high RPMs with a light load. Aside from the warning lamp there will be no effects on driveability or performance.

Repair Information

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.

Control Unit	DTC	Status
Brake ECU (MD 136)	SID 69: Axel load sensor, FM 2: Data erratic, intermittent, or incorrect	Active
Engine Control Module (ECM)	P2296A: NOx Sensor Gas Outlet Removed, Signal Plausibility Failure	Active

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

For US14+OBD15

- Software improvements have been released to address this code. Refer to the table below:

Action Required		
ECM	Main Software	Action Required
MP7 / MP8	Equal or Less Than 22741784	Update to Latest Software
MP10	Equal or Less Than 22644017	Update to Latest Software
ACM	Main Software	Action Required
MP7 / MP8 / MP10	Equal or Less Than 22741796	Update to Latest Software

For US14+OBD16

- Refer to [FSB 284-065 Engine Control Module \(ECM\) and Aftertreatment Control Module \(ACM\), Reprogramming](#).
 - This bulletin is current as of 17 April 2018.

If software is found to be current, diagnosis should only proceed if the Confirmed DTC status for P249C is True as shown above. If the status is False, other symptoms or fault codes should be diagnosed and the codes cleared when complete.

If any other symptoms or related codes are present, they should be diagnosed prior to beginning steps for P249C.

Solution visibility	Dealer distribution
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Function(s)/component(s) affected

Function affected	Documentation , FSB , DEF Dosing , DOC , DPF , SCR , 1 1 0 EMS , Diagnostic tool
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Function Group

Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 284 control system, fuel supply
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Customer effect

Main customer effect	regeneration , calibration/programming/pairing/missing operation , diagnostics /methodology , efficiency/abnormal behavior , fault code/display
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Fluid implicated	AdBlue
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Lights/Messages on information display	 Driver's information warning pictogram
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Fault code(s)

OBD 2013 Diagnostic Trouble Codes	P249C
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Conditions

Vehicle operating mode	when driving , when stationary
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Frequency of occurrence of problem	random
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Administration

Author	RU4469V
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Dealer ID	RU4469V
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Last modified by	RU4469V
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