



## NA\_MACK\_Vehicle\_Range

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**NA\_MACK\_Vehicle\_Range**

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

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### Engine family

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Engine family MP7 , MP8 , MP10

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### Emission Standard

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Emission Standard US16 , US15

**\*\* SOLUTION \*\***

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Title (customer effect) Mack Chassis - Diagnostic Trouble Code ( DTC ) P2459 Lighting The Malfunction Indicator Lamp ( MIL ); Possible Frequent Regeneration Requests - **OBD15 And US14+OBD16 (Non-Common Rail) Chassis**

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Cause OBD15 And US14+OBD16 (Non-Common Rail) Chassis may log DTC P2459 - Diesel Particulate Filter Regeneration Frequency (Bank 1). P2459 may log with or without frequent regeneration requests. Guided Diagnostic steps may complete with No Fault Found.

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**Solution**

### Overview

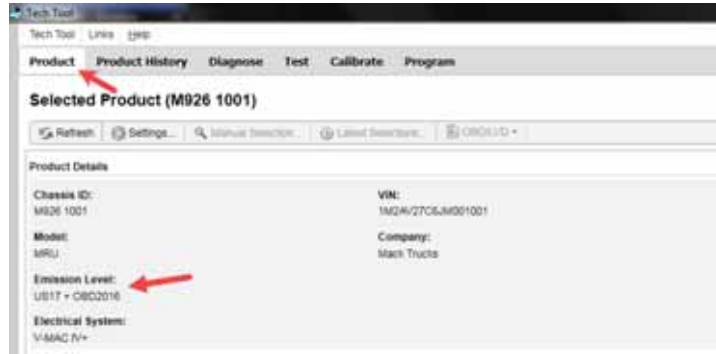
OBD15 And US14+OBD16 (Non-Common Rail) Chassis may log DTC P2459 during operation. The diagnostic process that this DTC sets for is the monitor of how often regenerations are requested by the Engine Control Module ( EMS ), and is intended to determine when the Diesel Particulate Filter ( DPF ) needs to be serviced or indicate a problem causing rapid soot accumulation. Chassis experiencing repeat occurrences of P2459 are most commonly units operating in applications that involve any of the below:

- Frequent stop-and-go operation (food service deliveries, for example)
- Local operation with little to no drive time at stable highway speeds or short overall distance traveled at one time
  - Passive regeneration only occurs when exhaust temperatures are able to reach the correct level and are sustained at that level while the chassis is in motion. These conditions are normally only seen during highway operation.
- Operation requiring an extended amount of idling or operation at low speeds (Paving and construction; mining)

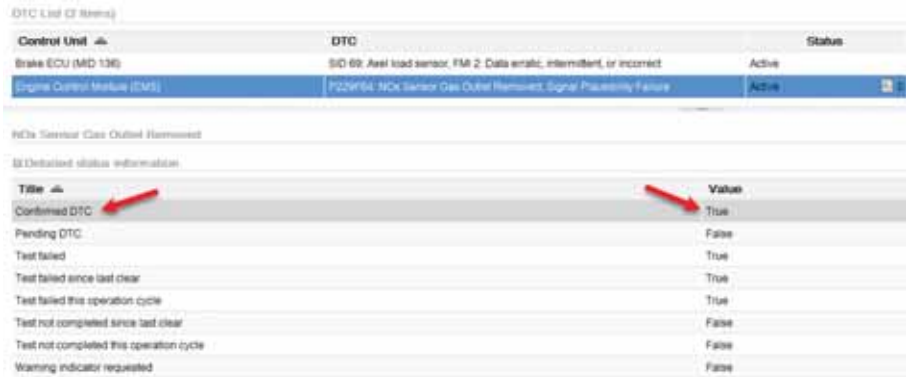
### Repair

**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.**



**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

- **Note:** Premium Tech Tool (PTT) may display a message stating that the current software is the latest edition. Follow the option to reload the current software if this occurs.

**For US14+OBD16**

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

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

- Codes and symptoms related to P2459 should be diagnosed prior to P2459 itself.

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

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Function affected	DPF , 1 1 0 EMS , Diagnostic tool
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### Function Group

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Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment
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### Customer effect

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

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OBD 2013 Diagnostic Trouble Codes	P2459
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### Conditions

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Vehicle operating mode	when driving , when stationary
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Frequency of occurrence of problem	always
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Road conditions	city driving
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### Administration

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Author	RU4469V
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Dealer ID	RU4469V
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Last modified by	RU4469V
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Creation date	12-01-2018 17:01
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Date of last update	23-04-2018 16:04
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Review date	30-04-2017 00:04
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Status	Published
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NA_Reviewer	ut0031h
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NA_Author_Group	GTT
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