



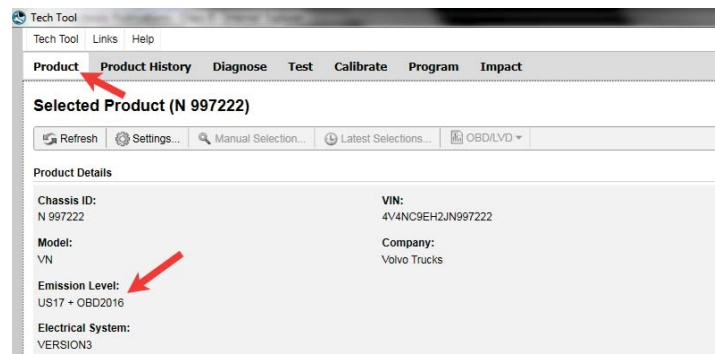
Solution

Title (customer effect) Diagnostic Trouble Code (DTC) P0422 Lighting The Malfunction Indicator Light (MIL) - **OBD15 And US14+OBD16 (Non-Common Rail Fuel System) Chassis**

Cause OBD15 and US14+OBD16 (Commonly Model Year 2016 and 2017) chassis may log DTC P0422.

Solution **Verify the chassis emissions level**

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



For OBD15 And US14+OBD16 Chassis:

- Software improvements have been released to address this code. If P0422 is present and there are no other symptoms to indicate a physical issue, software should be checked and updated as necessary.

- Updated software for OBD15 chassis will have a Main Software (MSW) 23167877 or newer
- Updated software for US14+OBD16 chassis will have a Main Software (MSW) 23169815 or newer

- **One or two modules can be affected by this update. Ensure the proper instructions are followed:**

- **If the chassis has had containment software loaded previously:**

- Reprogram the Engine Control Module (EMS) **ONLY**

- **If the chassis has not had software containment**

- Reprogram the following modules in the order listed.
 1. Engine Control Module (EMS)
 2. Aftertreatment Control Module (ACM)

- If the chassis returns for frequent recurrence of the code following the software update, normal Guided Diagnostic procedures will need to be followed.

Solution visibility

Dealer distribution

Function(s)/component(s) affected

Function affected

exhaust

Function Group

Function Group

254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment

Customer effect

Main customer effect

diagnostics/methodology , efficiency/abnormal behavior , fault code/display

Fault code(s)

OBD 2013 Diagnostic
Trouble Codes

P0422

Conditions

Vehicle operating mode

when driving , when stationary

Frequency of occurrence of
problem

always

Administration

Author

UT01793

Last modified by

RU4469V

Creation date

28-11-2016 19:11

Date of last update

05-03-2018 16:03

Status

Published

Average score

2

Number of scores

1

NA_MACK_Vehicle_Range

NA_MACK_Vehicle_Range

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

NA_VOLVO_Vehicle_Range

NA_VOLVO_Vehicle_Range

Conventional , VNX , VNL , VNM , VHD , VAH

Engine family

Engine family

Volvo , 11L Engine , 13L Engine , 16L Engine , Mack , MP7 , MP8 , MP10

Emission Standard

Emission Standard

US16 , US15