



## Solution

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

**Cause** OBD15 and OBD16 chassis may log DTC P0422.

**Solution**

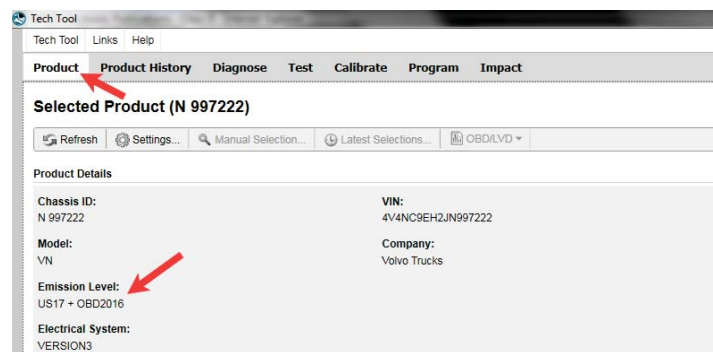
## Overview

When P0422 is triggered troubleshooting through Guided Diagnostics may complete with No Fault Found (NFF).

## Repair

### 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 (Commonly Year Model 2016) Chassis ONLY:

- Software improvements have been released to address this code. If P2002 is present and there are no other symptoms to indicate a physical issue, software should be checked and updated as necessary.
- Two modules are affected by this update and should be reprogrammed in the following order:
  1. Engine Control Module ( EMS )
  2. Aftertreatment Control Module ( ACM )
- If the code returns following the software update, normal diagnostic procedures will need to be followed.
  - P0422 may set in relation to other codes logged or the presence of related symptoms. **Address related issues first.**

### For OBD16 (Non-common rail) Chassis:

- Ensure software levels are current.
- Review the complete DTC readout for related codes and customer complaint for related symptoms.
  - P0422 may set in relation to other codes logged or the presence of related symptoms. **Address related issues first.**
- If there are no other symptoms or codes, proceed with Guided Diagnostics.

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

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Function affected	TT , exhaust
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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	diagnostics/methodology , efficiency/abnormal behavior , fault code/display
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### Fault code(s)

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OBD 2013 Diagnostic Trouble Codes	P0422
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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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### Administration

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Author	UT01793
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Last modified by	RU4469V
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Creation date	28-11-2016 19:11
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Date of last update	09-01-2018 19:01
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Status	Published
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Average score	2
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Number of scores	1
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### NA\_MACK\_Vehicle\_Range

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NA_MACK_Vehicle_Range	Cabover , LR , LEU , MRU , Conventional , CHU , CXU , GU , TD
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### NA\_VOLVO\_Vehicle\_Range

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NA_VOLVO_Vehicle_Range	Conventional , VNX , VNL , VNM , VHD , VAH
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### Engine family

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Engine family

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

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**Emission Standard**

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Emission Standard

US16 , US15

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