



## Volvo Models

**Volvo Model** VNX , VNL , VNM , VHD , VAH

## Engine family

Engine family 11L Engine , 13L Engine , 16L Engine

## Emission Standard

Emission Standard US16 , US15 , US14 GHG

\*\* SOLUTION \*\*

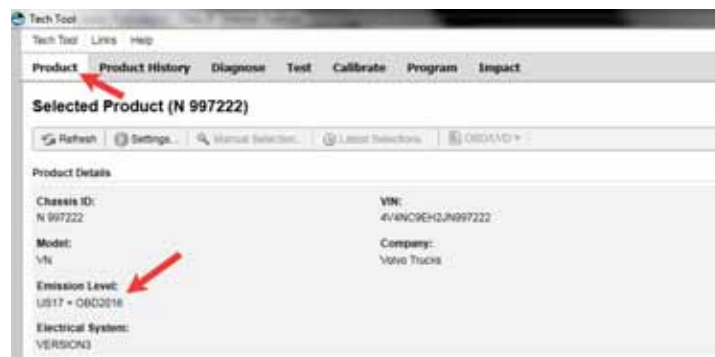
**Title** Volvo Chassis - Diagnostic Trouble Code ( DTC ) P226C Intermittently Lighting The Malfunction Indicator Lamp ( MIL ) - **US14+OBD13, US14+OBD15 And US14+OBD16 Emissions, Common Model Years 2015 to 2017**

**Cause** US14+OBD13, US14+OBD15 and US14+OBD16 (pre-common rail) conventional chassis may log DTC P226C during operation. The diagnostic process that this DTC sets for is the monitor of boost pressure change under sudden changes in engine load. The code is likely to set intermittently and it may be difficult or not possible to duplicate during diagnosis. Guided Diagnostics may result in No Fault Found (NFF). This issue is more likely to be observed in chassis with a 13L engine and a lower power rating, and chassis with dual torque engine ratings. This code will not affect performance or driveability. **Turbocharger replacement is not a valid repair for this code.**

## Solution

### Verify the chassis emissions level

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



Software improvements have been released for all three emissions levels to address this DTC. Field Service Bulletins with information and instructions have been published for each emissions level. All of the 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
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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
US14+OBD16 (2017)	FSB 284-065 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.

The screenshot shows a search interface with several input fields. The 'VIN' field is highlighted with a red arrow, indicating it is the selected search criteria.

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

The screenshot shows the search interface with 'Titles' selected in the 'Search by:' dropdown menu and 'FSB 284-066' entered in the text entry field. Red arrows point to these elements.

4. Press the Search button. The operation will appear in the results window.

Frp	Title	Info type	ID/Operation
384	FSB 284-066, Engine Control Module (ECM) and Aftertreatment Control Module (ACM) Reprogramming	Repair	2341-22-08-1E

5. Select the correct vehicle configuration from the list that appears as shown below:

FSB 284-066, Engine Control Module (ECM) and Aftertreatment Control Module (ACM), Reprogramming

Description	ID	Date
VN, ENG-VE11, Assembly Date 2014-01-01 - 2014-12-31		35062016
VN, ENG-VE13, Assembly Date 2014-01-01 - 2014-12-31		
VN, ENG-VE15, Assembly Date 2014-01-01 - 2014-12-31		
VHD, ENG-VE11, Assembly Date 2014-01-01 - 2014-12-31		
VHD, ENG-VE13, Assembly Date 2014-01-01 - 2014-12-31		
VHD, ENG-VE15, Assembly Date 2014-01-01 - 2014-12-31		
VN, ENG-VE11, Assembly Date 2014-01-01 - 2014-12-31		
VN, ENG-VE13, Assembly Date 2014-01-01 - 2014-12-31		
VN, ENG-VE15, Assembly Date 2014-01-01 - 2014-12-31		
VE, ENG-VE11, Assembly Date 2014-01-01 - 2014-12-31		
VE, ENG-VE13, Assembly Date 2014-01-01 - 2014-12-31		
VE, ENG-VE15, Assembly Date 2014-01-01 - 2014-12-31		

**If software is found to be current**, diagnosis should only proceed if the Confirmed DTC status for P226C 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 P226C.

Internal comments (FO)	(FO) Please refer to this additional related information: SP 284 - 065, XE Package, Mass Base Variable Torque Option, by clicking <a href="#">here</a> .
NA_Sister solutions	<a href="#">K86094641</a>
Campaign code	FSB284-064, FSB284-055, FSB284-056
Solution visibility	Dealer distribution
<b>Function(s)/component(s) affected</b>	
Function affected	FSB , Turbocharger , 1 1 0 EMS , Diagnostic tool
<b>Function Group</b>	
Function Group	255 turbocharger , 284 control system, fuel supply
<b>Customer effect</b>	
Main customer effect	calibration/programming/pairing/missing operation , diagnostics/methodology , fault code/display
<b>Fault code(s)</b>	
OBD 2013 Diagnostic Trouble Codes	P226C
<b>Conditions</b>	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	random
<b>Administration</b>	
Author	ut01793
Last modified by	RU4469V
Creation date	23-06-2016 19:06
Date of last update	19-06-2018 19:06
Review date	30-06-2020 00:06
Status	Published