



Volvo Models

Volvo Model VNR , VNL , VNM , VHD , VAH

Engine family

Engine family 11L Engine , 13L Engine

Emission Standard

Emission Standard 2018 , OBD2017 , US17 GHG

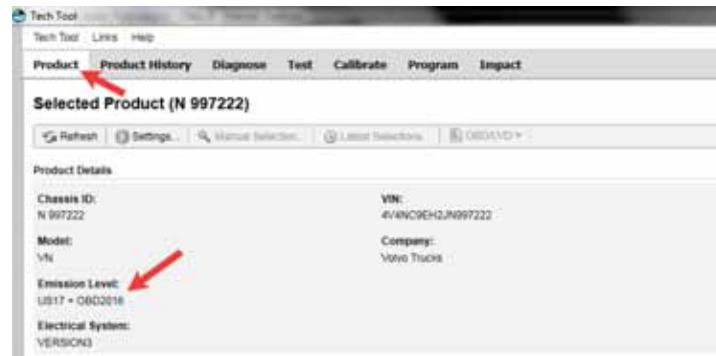
** SOLUTION **

Title Volvo Chassis - Diagnostic Trouble Code (DTC) P0420 Illuminating The Malfunction Indicator Lamp (MIL) - **US17+OBD16 And US17+OBD18 (GHG17) Emissions (Common Rail Fuel System) - Commonly Model Years 2018 And 2019**

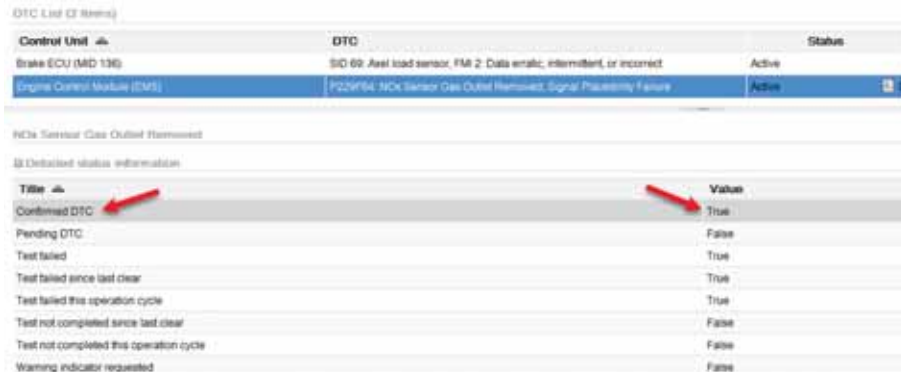
Cause US17 chassis may generate code P0420, with Guided Diagnostics (GD) determining there is No Fault Found (NFF)

Solution **Verify the chassis emissions level**

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



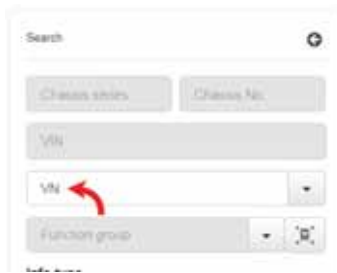
Review the Detailed Status Information for the relevant code on the DTC Readout.



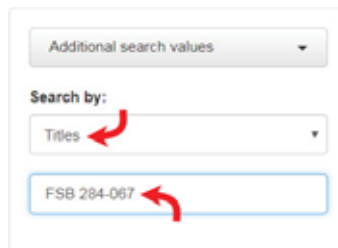
Once the chassis is confirmed to be US17+OBD16 or US17+OBD18:

- Software improvements have been released to address this code.
- Refer to [FSB 284-067 Engine Control Module \(EMS\) and Aftertreatment Control Module \(ACM\), Reprogramming](#).
- The bulletin can be found under the Service tab in Impact by searching for either the FSB number, or by reviewing the articles under [Function Group 284](#).
- If the article 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 VN as the model.



3. Make sure Title is selected in the Search By field. Enter "FSB 284-067" in the text entry field.



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

| Grp | Title | Info type | ID/Operation |
|-----|---|-----------|---------------|
| 284 | FSB 284-067 Engine Control Module (ECM) and Aftertreatment Control Module (ACM) Reprogramming | Repair | 2543-22-05-15 |

5. Multiple article choices will appear. Find the Operation for the correct Chassis.

Note: It is possible that more than one choice will have the same title (as shown below). Despite having the same title, the Operations are different and should be reviewed to locate the correct procedure.

| Description | ID | Date |
|--|----|------------|
| <input type="checkbox"/> VN, ENG-VE11, EM-USA17, Assembly Date 2017-01-01 - 2018-03-01 | | 09/09/2018 |
| <input type="checkbox"/> VN, ENG-VE13, EM-USA17, Assembly Date 2017-01-01 - 2018-03-01 | | |
| <input type="checkbox"/> VN, ENG-VE16, EM-USA17, Assembly Date 2017-01-01 - 2018-03-01 | | |

If software is current according to the bulletin, the code should only be diagnosed if the Confirmed Status is True, as shown above. If status is False, the code should be cleared and the vehicle released.

If other symptoms or related codes are present, normal diagnostics will need to be performed to determine the cause.

| | |
|--|--|
| NA_Sister solutions | K55905221 |
| Campaign code | FSB284-067 |
| Solution visibility | Dealer distribution |
| Function(s)/component(s) affected | |
| Function affected | FSB , DOC , DPF , 1 1 0 EMS , Diagnostic tool |
| Function Group | |
| Function Group | 254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 28 ignition and control system |
| Customer effect | |
| Main customer effect | calibration/programming/pairing/missing operation , diagnostics/methodology , fault code/display |
| Fault code(s) | |
| OBD 2013 Diagnostic Trouble Codes | P0420 |
| Conditions | |
| Frequency of occurrence of problem | random |
| Administration | |
| Author | RU4469V |
| Dealer ID | RU4469V |
| Last modified by | RU4469V |
| Creation date | 27-02-2018 17:02 |
| Date of last update | 15-06-2018 19:06 |
| Review date | 15-08-2018 00:08 |
| Status | Published |