



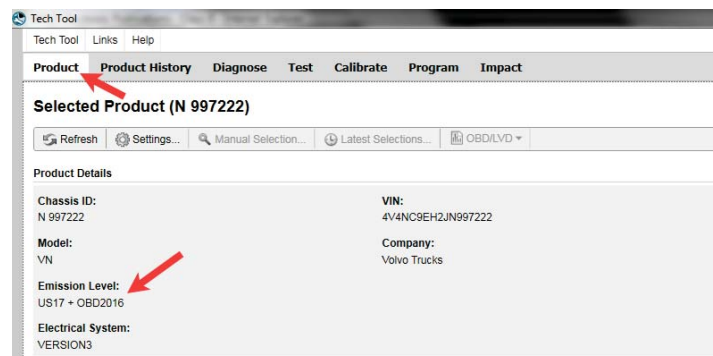
## Solution

**Title (customer effect)** Volvo Chassis - Diagnostic Trouble Code ( DTC ) P2002, Diagnostic Information - OBD13 And Newer

**Cause** Diagnostic Trouble Code (DTC) P2002 may log on OBD13 and newer chassis.

**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 OBD16 (Commonly Year Models 2016 and 2017) Chassis:

- 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.

- **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.

### For OBD13 (US14 Engine, non-common rail):

- Refer to [SNV15-034](#) for further information if Guided Diagnostics ( GD ) concludes that there is no fault found ( NFF ).

**For US17 (GHG17, with common rail) And Newer Chassis:**

- In addition to performing diagnostic steps, an eService case should be created as instructed in [SNV16-026](#) for further instruction and assistance.

Campaign code	SNV15-034
Solution visibility	<a href="#">Dealer distribution</a>
<b>Function(s)/component(s) affected</b>	
Function affected	Documentation , SNV , engine , exhaust , DPF , EGR , CV electronic control unit , 1 1 0 EMS , MID 128 – EMS , EECU
<b>Function Group</b>	
Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment
<b>Customer effect</b>	
Main customer effect	regeneration , calibration/programming/pairing/missing operation , diagnostics /methodology , efficiency/abnormal behavior , fault code/display , visual appearance
Fluid implicated	air
Lights/Messages on information display	message on display
<b>Fault code(s)</b>	
OBD 2013 Diagnostic Trouble Codes	P2002
NA_MIDs	MID 128 EMS
<b>Conditions</b>	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	always
<b>Administration</b>	
Author	a175606
Last modified by	RU4469V
Creation date	16-12-2015 14:12
Date of last update	07-02-2018 16:02
Status	Published
Average score	0
Number of scores	2
<b>NA_VOLVO_Vehicle_Range</b>	

**NA\_VOLVO\_Vehicle\_Range**

Conventional , VNR , VNX , VNL , VNM , VHD , VAH

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**Engine family**

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

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**Emission Standard**

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Emission Standard 2018 , OBD2017 , US17 GHG , US16 , US15 , US13 OBD , US14 GHG

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