



NA_VOLVO_Vehicle_Range

NA_VOLVO_Vehicle_Range VN1 , VNL , VNM , VHD , VAH

Engine family

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

Emission Standard

Emission Standard US15

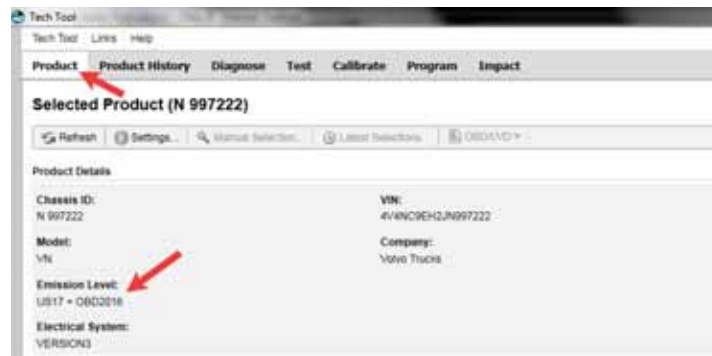
**** SOLUTION ****

Title (customer effect) Volvo Chassis - Diagnostic Trouble Code (DTC) P20CF, Diagnosis And Repair - **US14 +OBD15, Commonly Model Year 2016**

Cause P20CF may log in US14+OBD15 chassis; Guided Diagnostics (GD) may result in 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.

Control Unit	DTC	Status
Brake ECU (MD 130)	SID 69: Axel load sensor, FM 2: Data erratic, intermittent, or incorrect	Active
Engine Control Module (EMS)	P20CF: NOx Sensor Gas Outlet Rearmost, Signal Plausibility Failure	Active


Title	Value
Confirmed DTC	True
Pending DTC	False
Test failed	True
Test failed since last clear	True
Test failed this operation cycle	True
Test not completed since last clear	False
Test not completed this operation cycle	False
Warning indicator requested	False

Once emissions level is confirmed as US14+OBD15

- Software improvements have been released to address this code. Refer to the table below:

Action Required		
ECM	Main Software	Action Required
D11/ D13	Equal or Less Than 22741776	Update to Latest Software
D16	Equal or Less Than 22644015	Update to Latest Software
ACM	Main Software	Action Required
D11/ D13 / D16	Equal or Less Than 22741796	Update to Latest Software

If software is current and the code is present, the code confirmed status should be verified to be True as shown above before continuing diagnosis. If the status is False and there are no related codes or symptoms, clear the code and release the vehicle.

Internal comments (BO)	FSB284-064
Solution visibility	Dealer distribution
Function(s)/component(s) affected	
Function affected	FSB , fuel supply , Fuel Dosing , 1 1 0 EMS , Diagnostic tool
Function Group	
Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 284 control system, fuel supply
Customer effect	
Main customer effect	regeneration , calibration/programming/pairing/missing operation , diagnostics /methodology , efficiency/abnormal behavior , fault code/display
Fluid implicated	fuel
Lights/Messages on information display	 Driver's information warning pictogram
Fault code(s)	
OBD 2013 Diagnostic Trouble Codes	P20CF
Conditions	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	random
Administration	
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