

**NA_VOLVO_Vehicle_Range****NA_VOLVO_Vehicle_Range**

VNX , VNL , VNM , VHD , VAH

Engine family

Engine family

11L Engine , 13L Engine , 16L Engine

Emission Standard

Emission Standard

2018 , OBD2017 , US17 GHG , US16 , US15 , US07 , US10 , US13 OBD , US14 GHG

**** SOLUTION ****

Title (customer effect)

Volvo Chassis - Vehicles Equipped With A Volvo Engine And Diesel Particulate Filter (DPF) - Engine Speed Ramps To 1000-1400 RPM From Idle, Most Often During Extended Idling - **US07 And Newer Emissions, Commonly Model Year 2007 And Newer**

Cause

Volvo-powered vehicles may ramp engine speed to approximately 1200 RPM from idle for no apparent reason during periods of extended idling. The truck is not performing a regen, no lights are illuminated, and there are no fault codes pertinent to the situation.

Solution

The truck is likely going through Periodic Heat Mode. This is normal and unless other driver complaints warrant otherwise, no further diagnosis should be performed. If the truck is equipped with a compatible DID (Driver Information Display), a message stating "ATS Conditioning in Progress, No Action Required" may be displayed. See [HERE](#) for further information on Periodic Heat Mode.

Solution visibility

[Dealer distribution](#)**Function(s)/component(s) affected**

Function affected

engine , heating

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

engine speed

Engine speed

unstable idle speed

Conditions

Vehicle operating mode

stationary speed

Engine speed

<500 rpm , 1000 - 1500 rpm

Administration

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