



Volvo Models

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

Engine family

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

Emission Standard

Emission Standard US10 , US13 OBD

** SOLUTION **

Title Volvo Chassis - Equipped With An Automated Manual Transmission (AMT, I-Shift)
- Reverse / Back-Up Lights Inoperative, No Diagnostic Trouble Codes (DTC), No Issues With Circuit, Additional Check - **US10 And US13 Emissions, Commonly Model Years 2011 To 2014**

Cause Diagnostic checks for the reverse and/or back-up lights not working may find no fault in the light circuit and no fault codes to suggest a failure. This issue is most likely to occur following repairs that involve the wiring in the dash.

Solution If all diagnostic steps for the conditions above lead to No Fault Found (NFF), an additional item to check are the data link connections to the LCM. There are three Tee (3-way) connectors for the J1587 And J1939 data links located in the dash: Two of the connectors supply the LCM and the third leads to another branch.

Ensure that all three connections are clean and tight. An example of an unplugged connector is shown below. Note that the example below did not set any fault codes pointing directly to a particular circuit or component and because it was the data link that was unplugged, the reverse light circuit was found free of faults.



Solution visibility

Dealer distribution

Function(s)/component(s) affected

Function affected exterior lighting , MID 216 – LCM

Function Group

Function Group 353 lighting, rear , 37 cable; fuse , 43 gearbox , 473 gear, forward or reverse

Customer effect

Main customer effect diagnostics/methodology , fault code/display

Visual appearance part lost/missing function

Conditions

Vehicle operating mode when stationary , in reverse

Frequency of occurrence of problem always

Gear ratio reverse gear

Administration

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