

**Volvo Models****Volvo Model** VNR , VT , VNX , VNL , VNM , VHD , VAH**Engine family**

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

**Emission Standard**

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

**\*\* SOLUTION \*\***

**Title** Volvo Chassis - Equipped With A Body Builder Module ( BBM ) - Bodybuilder Applications Receiving Erratic Vehicle Road Speed Signal; Vehicle Speed Reading Incorrectly From BBM At Low Road Speeds, Jumping/Spiking/Changing Reading During Steady Operation - **US07 And Newer Emissions, Model Year 2008 And Newer**

**Cause** Vehicles may exhibit an interruption or spike to the Road Speed ( C3 ) output for the Body Builder Module ( BBM ), resulting in inconsistent operation of ( BBM ) applications. If this condition is present, spikes are normally seen at BBM [Pin PB28](#) every 100 milliseconds when Vehicle speed is less than 4 kmph.

**Solution** **A. Update the Body Builder Module Main Software (MSW) to Part Number 23446669 (current as of July 2018) or Higher (If available).**

1. In Premium Tech Tool (PTT), run Operation [1700-08-03-39 Program Electronic Control Unit](#). The operation can be found under the Program tab.
2. Select the BBM from the list of ECUs.
3. Make sure "Update ECU with latest software" is selected under Programming Options.
4. Press the Program button in the lower right-hand corner of the screen.
5. Allow the programming operation to complete.

**B. Set Vehicle (System) Date And Time.**

1. Run PTT Operation [1700-22-03-02 System Date and Time](#). The operation can be found under the Program tab.
2. More information can be found in CBR Solution [K11533602](#).

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

Function affected regulation (cruise control/engine speed) , 26 1 0 BBM , MID 249 – BBM

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### Function Group

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Function Group 383 speedometer; trip meter; hour counter; clock

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### Customer effect

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Main customer effect acceleration/speed , engine speed , road behaviour , calibration/programming/pairing /missing operation , efficiency/abnormal behavior

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### Conditions

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Vehicle operating mode when driving

Frequency of occurrence of problem random

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### Administration

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