

Uncontrolled Copy

ID # CBR-2484

Version 3

Title

Volvo Chassis - Battery Power Management Unit DTC U300049 - VN (4)

Abstract

The Purpose of this CBR is to assist with diagnostics for fault code U300049 on the Battery Power Management Unit (BPMU).

Content

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Valid For

Volvo Chassis - VN (4)

Model Year - 2025 to current

The Purpose of this CBR is to assist with diagnostics for fault code U300049 on the Battery Power Management Unit (BPMU).

- **Overview**

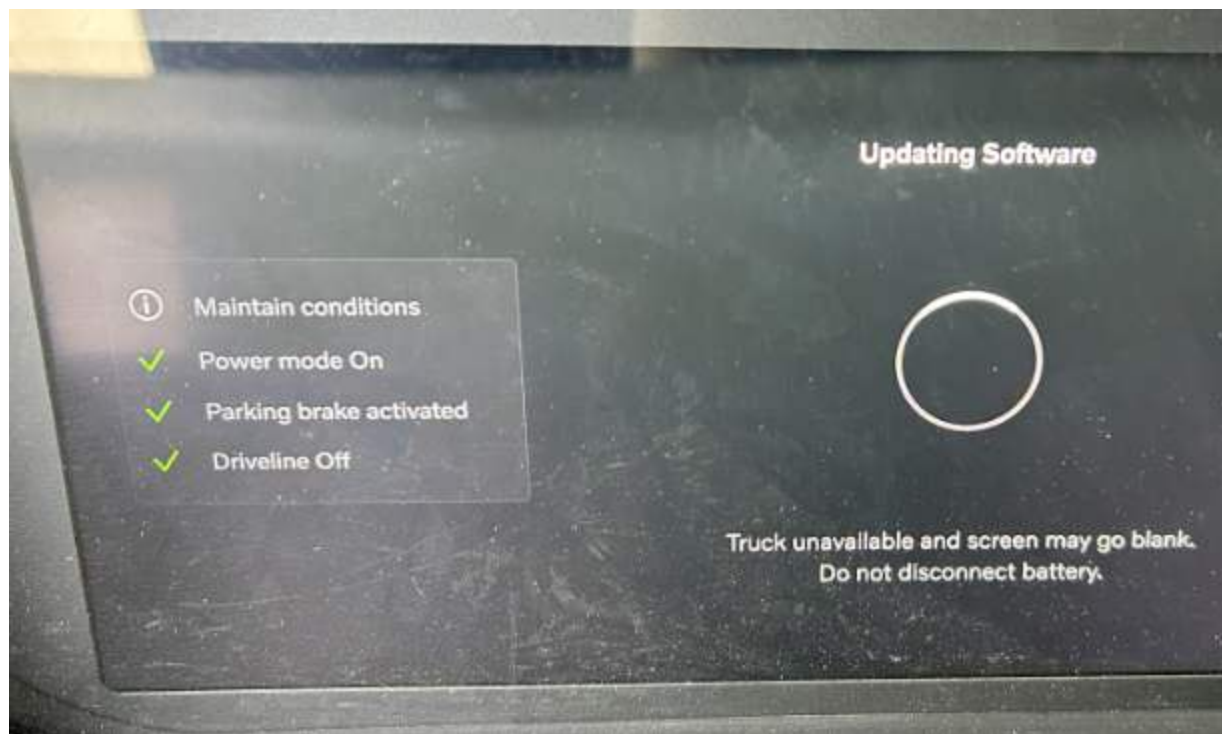
1. If you encounter fault code U300049 for BPMU please follow the steps in this CBR. **DO NOT CREATE AN ESERVICE CASE.** There are two options that are available currently. There is a Over-The-Air update or using PTT to update unit. If the truck has OTA available please perform OTA, If not, please use PTT to perform update.

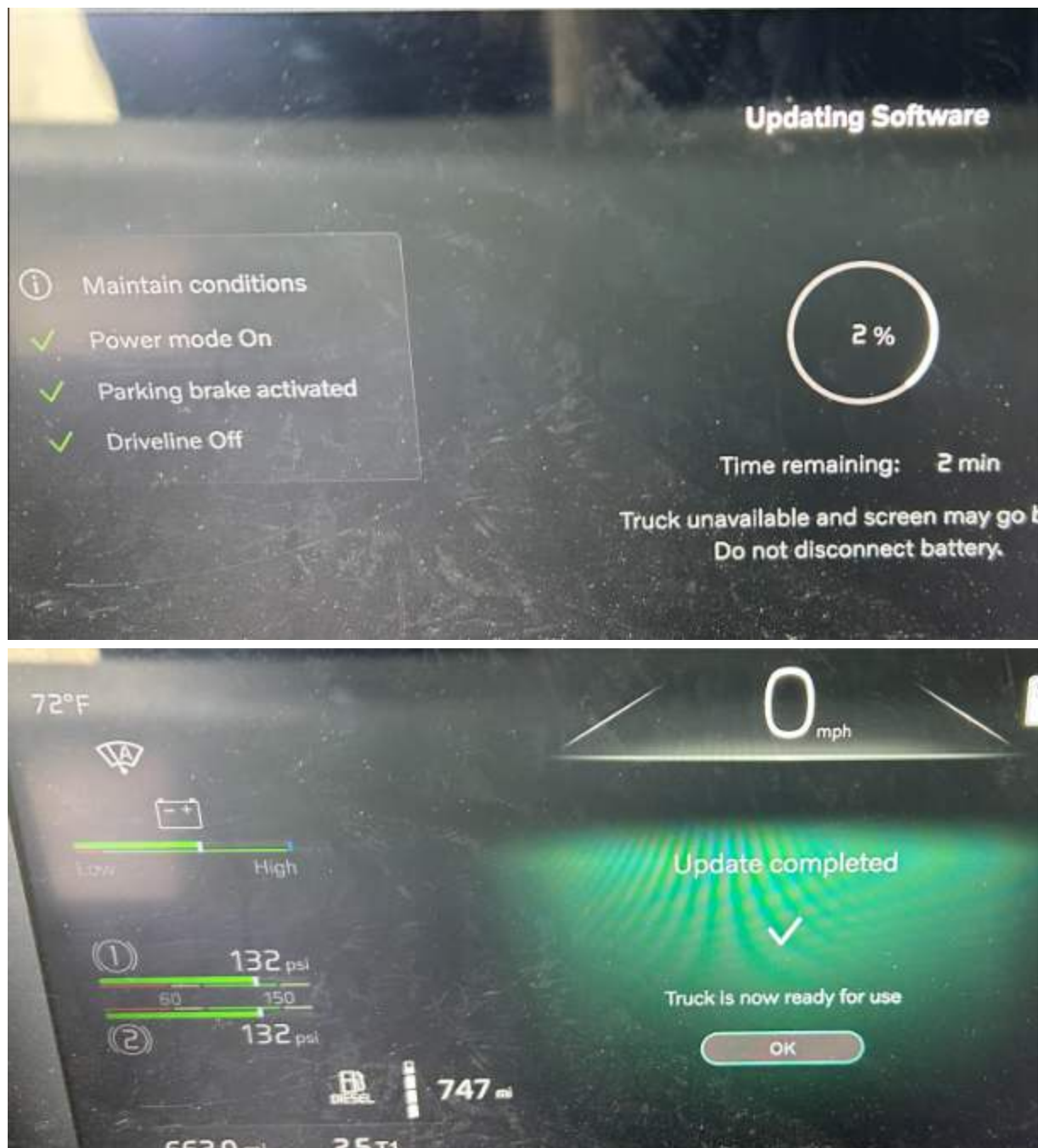
- **Option A: Over - The - Air**

- Check the dash to see if there is Over-The-Air available. If there is one please perform the update through the dash.
 1. Make sure unit is outside and select Proceed in dash.



2. Once update starts, wait till the update completes.





3. Once update is completed, clear faults and if U300049 returns please follow PTT.
 NOTE: If you see a pop-up for Truck Brake Malfunction please perform a **Maintenance Disconnect Switch (MDS)** cycle. (turn MDS off, wait 60 seconds, turn MDS back on.)

- **Option B: Service Pack with PTT (If OTA is not available)**

1. Check if there is a service pack available for the unit.
 - a. If there is a service pack available, install the service pack and retest to see if fault code U300049 returns. If U300049 returns please follow PTT .
 - b. If there is no service pack available, follow PTT instructions. Follow the normal warranty process for the diagnostic outcome.

Live UI ? If there is a service pack that needs to be loaded please follow steps below.

- a. Required Tools:

- i. PTT updated to latest update
- ii. Vocom II Tough: 88894000
- iii. USB cable 88890313
- iv. 16-Pin OBD cable: 88894001 (Ensure the BLUE cable end)
- b. Recommended Internet Speed at the device being used for programming.
 - i. No lower then 100MBPS
 - ii. Better speeds would be 1 GBPS this will decrease time to download the service pack and help speed up repairs.(standards referenced in AIDER documentation within TDP)

• Claiming Instructions.

1. If the service pack that needs to be installed is **BELOW** 4.0 to service pack 4.1 (has 20 + ECU's that need to be programmed), claim 1700-08-03-39 Program Control Unit (See CBR-2477 for details)
2. If the service pack that needs to be installed is currently at 4.0 to 4.1 (has 1 to 2 ECU's that need to be programmed), claim 1700-22-03-11 Campaign, Programming x 2 (=4)

Example of identifying service pack.

The screenshot shows the 'Program' tab in the Volvo diagnostic software. The 'Program' section has two radio buttons: 'Complete vehicle software update (Recommended)' (selected) and 'Individual software package'. Below this, the text 'B1_T2_3.0' is displayed. Under 'Control Unit', 'Aftertreatment Control Module' is listed. On the right side, a red box highlights the 'Version Available' field, which shows '170'.

Tags

bpmu battery u300049 volvo vn4 vn 4

Categories ★

Make and Model > Volvo > All-New VNL - VN (4)