Preview Solution CBR-2494-21

Volvo Chassis - VN (4) - B1_T2_7.0

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Valid For

Volvo Chassis - VN (4)
Model Year - 2024 to current

NOTE: Before updating service pack, insure all Over The Air updates that are available are performed through the cluster.

NOTE: For locked control units please reference CBR-2480.

The purpose of this CBR is outline the interim software solution for VN4. **Note that this document is subject to updates and currently covers Service Pack updates to B1_T2_7.0.**

1. The VN(4)'s electrical architecture relies on multiple ECUs, each handling specific functions. To ensure seamless operation and peak system performance, it is essential that all ECUs run the same software version (Software Baseline). This is accomplished by installing a complete software baseline, which is delivered via service pack.

2. Required Tools:
    1. Workshop Toolbox updated to latest update, using Software center (**Preferred Method)**
    2. PTT updated to latest update
    3. Vocom II Tough or Vocom II + Tough: 88894000/88894400
    4. USB cable 88890313
    5. 16-Pin OBD cable: 88894001 (Ensure the BLUE cable end)

3. Recommended Internet Speed at the device being used for programming.
    1. No lower then 100MPS
    2. 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)

4. Update Software when:
    1. Directed to by a Recalls or Campaigns. This software remains top priority and should be done in a proactive manner.

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2. When the vehicle is in for a service event and Service Pack: **B1_T2_7.0** is available.

Recomendation

In case Service pack update failures due to incorrect (old) WSGL PBL (Might cause Error code 155 when using Tech Tool):

- **Initial recommendation will be to Re-try the Service Pack 7.0 again**
- **Incase of failure occurs on Re-try:** Update WSGW and ICGFX (single node update) before the next attempt on Service Pack to ensure new PBL is updated, which avoids chances of Service Pack failures.

Water In Fuel Message

If you experience a **Water In Fuel** message and/or DTC **P226413** after updating to 7.0 service pack on model year trucks 2024 to 2025 please follow steps below:

1) Verify the truck does not have a Water In Fuel sensor installed.
2) If the truck DOES NOT have a WIF sensor, run accessory kit - 26166000 to correct the issue.

NOTE: certain conditions may lead to DTCs after service pack installation. You may need to do one or more of the following;

- certain system calibrations (see DTCs active)
- an engine run cycle (key on, start, engine runs for 30 seconds, key off to power down, key back on)
- MDS power cycle
- a clear DTC operation in PTT.

5. Claiming instructions:

NOTE: Recalls or Campaigned software must follow instructions outlined in repair document.
For vehicle's requiring Service Pack B1_T2_7.0 and do not have a recall or campaign a warranty claim may be submitted following the below.
Claim Type: Vehicle Warranty
Causal Part: 26090237
Main Operation Code: 1700-22-03-27 Complete Vehicle, Software Update 1.2 hrs
Note: No Diagnostic Time is allowed

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