

DRIVER DISPLAY ACTIVATION (DDA)

NEW VNL - STEP-BY-STEP INSTRUCTIONS

OVERVIEW

Driver Display Activation (DDA) is a key feature of Volvo Remote Programming. It enables software updates to be initiated directly from the truck's instrument cluster—no external apps, portals, or hardware required. Operators are notified of available updates and can install them at their convenience. This seamless process is unique in the industry.



DDA STEP-BY-STEP INSTRUCTIONS

DDA-ELIGIBILITY ON NEW VNL

- All new VNLs come equipped with DDA.

PRECONDITIONS

Before starting the update, ensure:

- Truck is parked safely on relatively level ground
- Key is in the ON position (engine NOT running)
- Park brake is engaged
- Battery voltage is at least 24V at start of update
- All battery-draining accessories are turned off
- Truck is within cellular signal range


⚠ IMPORTANT – DO NOT INTERRUPT POWER

- Interrupting required preconditions during a remote update can result in a critical failure.
- The new Volvo VNL platform is significantly more robust than previous generations and is designed to tolerate most common driver actions during an update.
- However, one action must be avoided:
DO NOT switch off the main battery disconnect during a remote update.
- Loss of battery power during ECU programming can render the vehicle inoperable.
- Always allow the update process to complete fully before disconnecting battery power.
- During an Instrument Cluster update, the display screen may go completely black for up to 13 minutes.
This is normal. Do not take any action. The screen will return automatically.

NOTIFICATIONS

- **Startup screen** - When an update is available, you will see the “Update Software” startup screen just after keying on. (The message may appear behind other startup notifications.) Once the update is installed, you will no longer see this message at key on.



- **Small Blue Icon** - A small “download available” icon will also be illuminated at startup. 
- **Details** – Press the down arrow on the stalk to read additional details about the update.

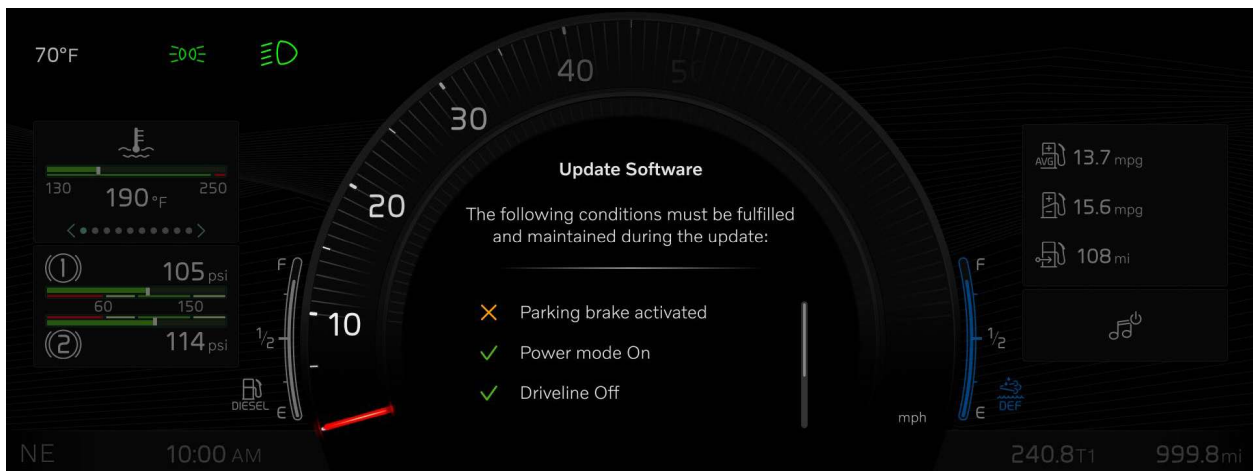
1) UPDATE DETAILS

- Press the down arrow on the stalk to read additional details about the update.



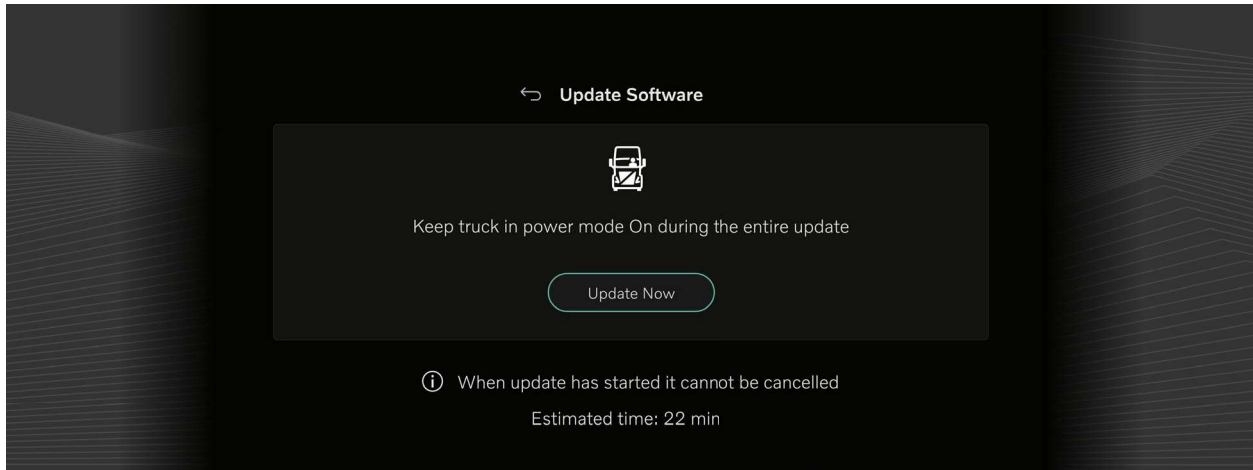
2) PRECONDITIONS

- If any preconditions are not met, you will see the screen below letting you know which conditions are not met.



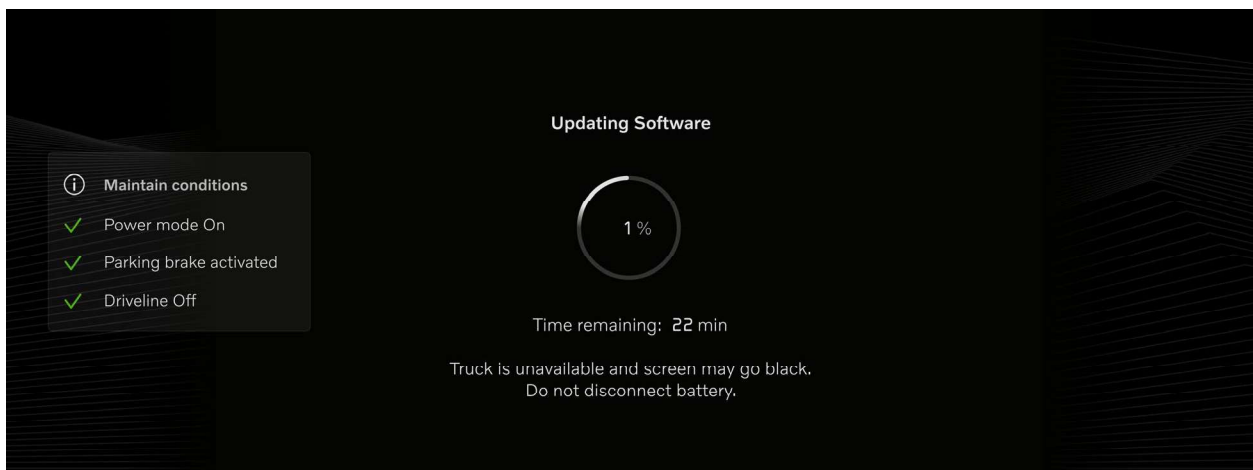
3) ACTIVATE UPDATE

- Initiate the update process by clicking “Update Now”.
- Applications Menu - Another way to kick off an update is by choosing “Remote Update” from the truck’s Application menu. (If “Remote Update” does not appear in the Applications menu, no update is currently available.)



4) STATUS RING

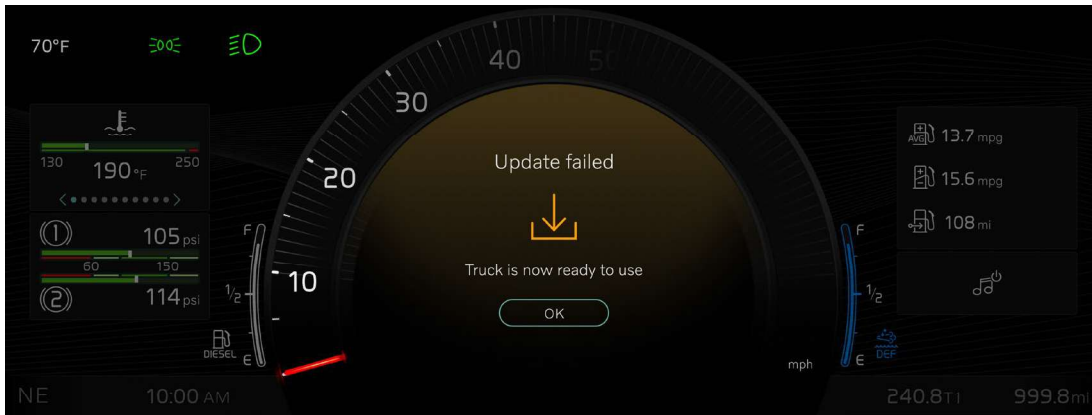
- Once the update begins the status ring will update you on the progress of the installation.
- You will also be provided with an estimate of how much time is remaining.
- During updates to the Instrument Cluster the display may go completely black for approximately 13 minutes.
- **DO NOT INTERRUPT PRRECONDITIONS!** The screen will resume and the update will finish.



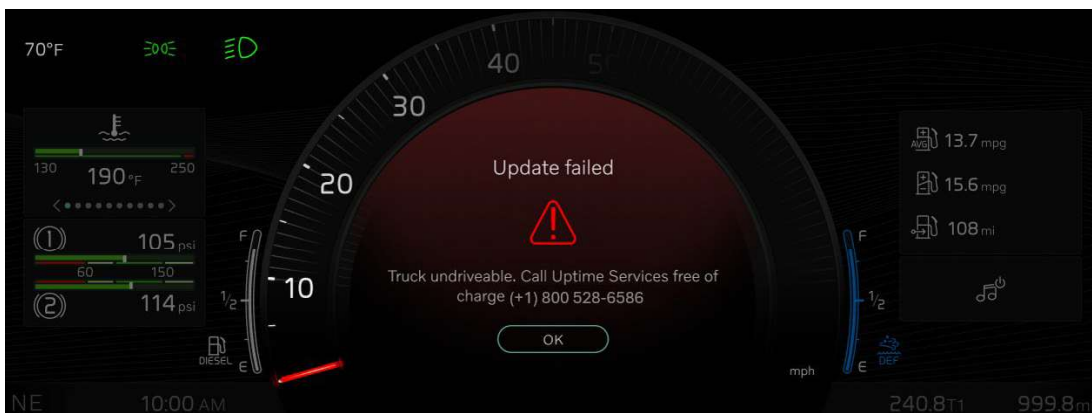
NOTE: MOST FAILURES ARE CAUSED BY SWITCHING OFF BATTERY DURING PROGRAMMING!

5) IF A FAILURE OCCURS

- Although rare, updates can occasionally fail.
- If the failure is non-critical, you will be prompted with an “Update Failed” message which will let you know that the “Truck is now ready to use.”

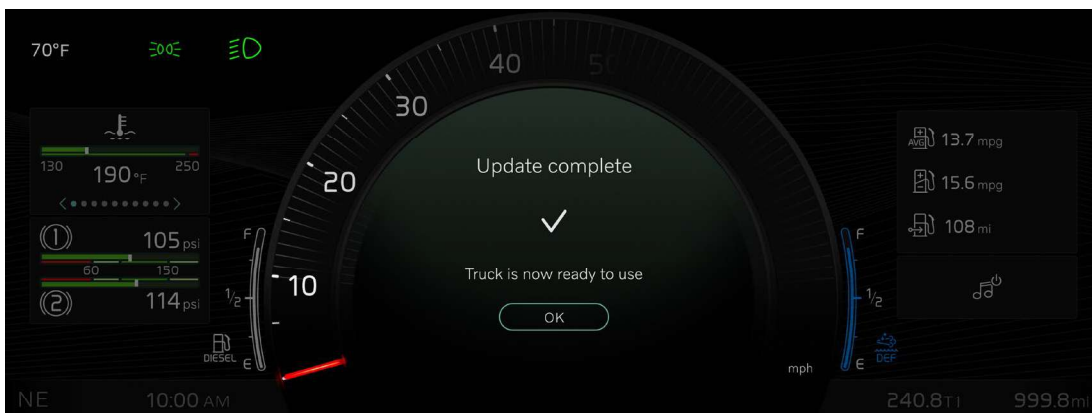


- Built-in Retry and Recovery processes often kick-in to salvage failures resulting in successful updates.
- If the update fails critically, you will be prompted to call the Volvo Action Service, OTA Team.
- OTA Agents are often able to resolve most issues quickly.



6) SUCCESS

- Once the update completes, you will see a “Update Complete” message:



YOUR TRUCK IS NOW SUCCESSFULLY UPDATED!