TECH TOOL RELEASE NOTES

Version 2.8.330

Volvo Group

Contents

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Overview

These release notes give you an overview of new features and changes in Tech Tool. Please take your time to read through this news carefully as it will support having the full benefit of new features and changes in this version of Tech Tool.

Tech Tool release 2.8.330 is available for download in the Client Update from week 21, 2025.

Limitations / Challenges

1. Restarting Tech Tool daily is recommended to free up resources and improve the application performance.
2. It is recommended to perform 'Finish work' at the end of a connected product session before connecting to the next product. This will speed up the process of connecting to the next product.

Recommended Actions

1. Before initiating Tech Tool installation via Client Update, ensure that all the Windows updates have been completed. Otherwise, Windows Update might cause the computer to restart, which may lead to the reinstallation of Tech Tool.
2. Restart the computer after installing Tech Tool for both a fresh installation and an update via Client Update.

Prerequisites

1. Users must have their User Principal Name (UPN) details available to match their corresponding existing user ID for logging into Tech Tool. This information will be necessary for logging into Tech Tool following the installation of version 2.8.210 and above.

    -   Internal users under Volvo Corporate Network (VCN) should use their corporate email addresses.

    -   External users should use their Tech Tool user ID followed by @ext.volvogroup.com (Example: UserID@ext.volvogroup.com).

2. ***.msappproxy.net** must be added to the whitelist without SSL inspection. Please reach out to your local IT administrator to carry out this whitelisting procedure.

3. The **2010 port (https)** must be accessible for all traffic. Please contact your local IT administrator to open the port and then proceed with restarting the installation. **Port enabling is necessary only for users downloading and installing Tech Tool through Web/ISO**. However, it's not applicable for CLUP updates.

Fixed Issues

Description	Brands
A new notification message has been implemented to inform users when Tech Tool switches to CAN programming due to a Doi communication failure.	VTC, RT
The 'Communication Failed' error encountered during DTC readout has been fixed.	VTC, RT
The connection issue with VOCOM Mini via Tech Tool has been resolved.	Only for North America
Error 236, a memory exception encountered during programming flows, has been addressed.	ALL
Error 4017 and Error 1000 encountered during programming flows have been improved.	ALL

Operation Changes in The Release

Operation	Changes	Brands	Models
39868-3 Telematics gateway (TGW) satellite modem status	Operations have been updated.	VCE ✓	**Crawler Excavator models:** ECR145F, EC210F, EC230F, EC260F, EC300F, EC360F, EC370F, EC400F, EC500F, JEC230E, JEC230F
Operation News	Operations support has been extended.	VCE ✓	**Crawler Excavator models:** EC210FCN, EC220FCN, EC230FCN with CEA+ architecture
40010-3 Clutch Cylinder	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
40015-3 Range Cylinder	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE

Operation	Changes	Brands	Models
40020-3 Gears	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
40023-3 Transmission Speed Sensors	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
40083-3 Pym Valves Clutch	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
40087-3 Pressure Sensor	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
40091-3 Gear Activation, Control Housing (For Removal/Replacement)	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
40112-3 Gear Selector	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
41126-3 Clutch Wear Check	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
41180-3 Clutch Drag	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
41182-3 PW Valves Clutch Activation	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE

Operation	Changes	Brands	Models
43121-3 Gear Selector Cylinder 1/Reverse	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
43122-3 Gear Selector Cylinder 2/3	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
43126-3 Solenoid Valve, Transmission Brake (Input Shaft Brake/ Countershaft Brake)	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
43128-4 Solenoid Valve, Transmission Brake (Input Shaft Brake/Countershaft Brake) (Transmission Removed)	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
43194-3 Input Signals for Gear Selection	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE
43828-3 Solenoid Valve, Clutch Cylinder, Activation (Removal/Install of Gearbox)	Operation has been updated to support AMT-G+ gearbox.	UD ✓	UD-HDE

Operation	Changes	Brands	Models
40105-4 Transmission (Transmission Removed)	Operation has been updated to support AMT-G+ gearbox.	UD ✔	UD-HDE
40070-3 Transmission, Clutch, Engagement Point	Operation has been updated to support AMT-G+ gearbox.	UD ✔	UD-HDE

Diagnostic Changes in the Release

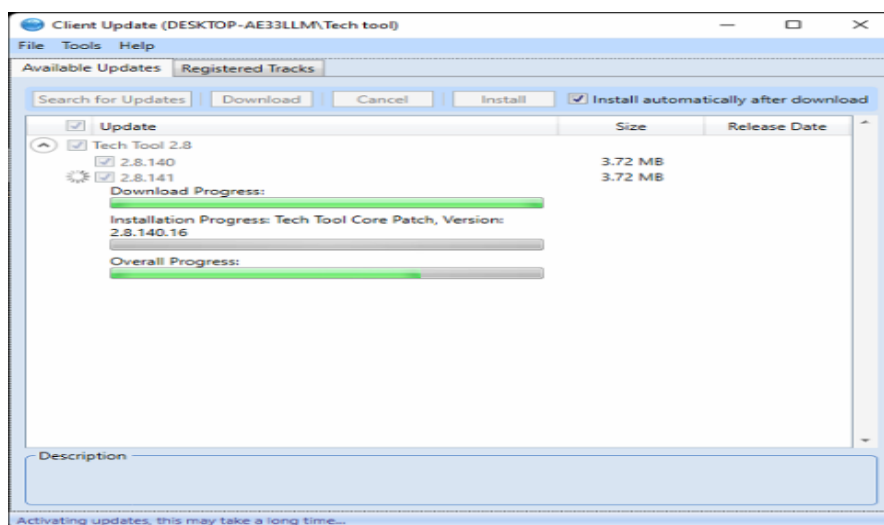| Diagnostic	Changes	Brands	Models
Fault Tracing	Diagnostic support has been updated by adding guided diagnostics and fault tracing for the electromobility ECUs HPCU, CCCM, CICU in the upcoming BZR platform.	VBC✅	BZR
Fault Tracing	Diagnostics and fault tracing content has been updated by including the new lights/indicators wipers and retarder stalks for the B13R coach.	VBC✅	B13R
Fault Tracing	Diagnostics fault tracing has been updated to support the new Articulation Control Unit (ACU) in the B8R with bridge plan 2 architecture.	VBC✅	B8R
Diagnostic News	Diagnostic content has been added.	VCE✅	**Soil Compactor model:** SD75B Gen 2
Diagnostic News	Diagnostic content has been added.	VCE✅	**Asphalt Compactor model:** PT125C Gen 2

Known Issues and Workarounds

Issue No:	Issue Description	Brands
1.	Tech Tool installation progress bar is frozen during Client Update.	ALL
2.	While switching between the tabs, Tech Tool might be frozen, or an error pop-up is displayed.	ALL
3.	Inconsistent behaviour in loading J1939 DTCs (Vendor ECUs) in Diagnose tab.	ALL
4.	The operation number (3690-07-03-02) is only missing for the 'Wireless Sensor Gateway (WSGW)' operation; however, the operation functions correctly. **Note:** Applicable only to North America model VN (4).	VTC

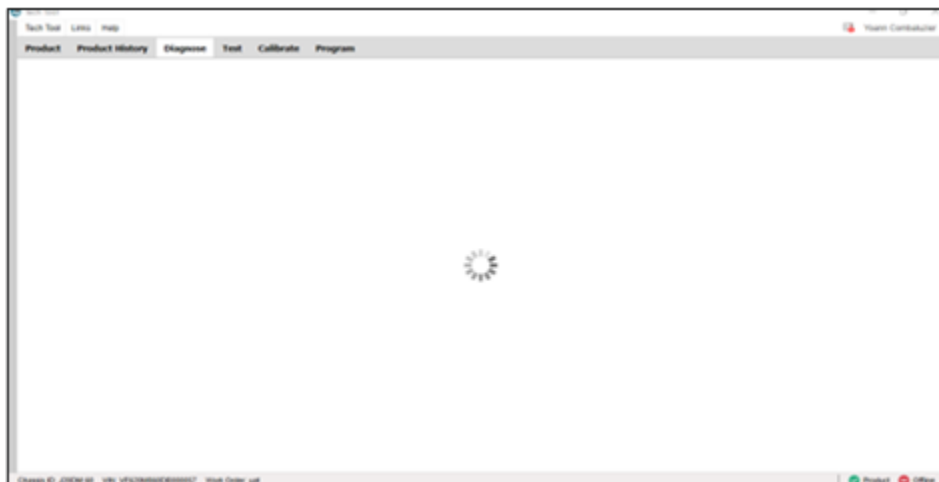**Issue-1:** **Tech Tool installation progress bar is frozen during Client Update.**

Cause: Under Investigation.

Suggestion: Restart computer if the progress bar is frozen.

Issue-2: While switching between the tabs, Tech Tool might be frozen.

Cause: Under Investigation.

Suggestion: Kindly follow the below steps:

1. Ensure that there is a stable network as shown in the icon
2. Restart Tech Tool.
3. If not able to recover, restart the computer.

Issue-3: Inconsistent behaviour in loading J1939 DTCs (Vendor ECUs) in Diagnose tab.

Cause: Under Investigation.

Suggestion: No workaround

Note: For any issues & support, kindly use your normal channels.