Date: 07th April 2025



# TECH TOOL RELEASE NOTES

## Version 2.8.320



#### Volvo Group

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## **TECH TOOL RELEASE NOTES 2.8.320**

#### **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 2.8.320 is available for download in the Client Update from week 15, 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

- 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.
- 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
The issue of delayed product connection when using the Nexiq USB-Link 3 has	VTC
been improved. Applicable for North America.	RT
	MACK
The Error 181 encountered during programming operations has been	RT
successfully resolved.	



## **Operation Changes in The Release**

Operation	Changes	Brands	Models
23016-3/2387-08-03-01	Operation has been updated	VTC	FH, FM
Cylinder Balancing	with clarification text mentioning		
	that it will take some time before	RT∽	C, K, T, T HIGH,
	cylinder balancing values are		D WIDE
	reset. This reset is delayed only		
	when enhanced cylinder	VBC♥	B11R, B13R
	balancing with four rail levels is		
	used.		
17029-3	Operation has been updated	VCE	ECR25DL,
Sensor and Parameter	and is now available for		EC37F, ECR40F,
values, graph viewer	Compact Crawl Excavator		ECR50F,
	models.		ECR58F,
			JEC18F,
			JECR18F
17600-3	Operation has been updated	VCE	JEC230F
Low voltage service	and is now available for Crawl		
mode, control	Excavator model.		
17938-3	Operation has been updated	VCE	JEC230F
Cooling and heating	and is now available for Crawl		
system, filling	Excavator model.		
26288-3	Operation has been updated	VCE	JEC230F
Three-way valve	and is now available for Crawl		
	Excavator model.		

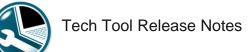


Operation	Changes	Brands	Models
30003-3	Operation has been updated	VCE	JEC230F
Battery classification, test	and is now available for Crawl		
	Excavator model.		
36981-3	Operation has been updated	VCE	JEC230F
Electric propulsion	and is now available for Crawl		
cooling system	Excavator model.		
36001-3	Operation has been updated	VCE	EC230EL
Electric propulsion	and is now available for Crawl		
system, monitoring	Excavator model.		
22166-3/2219-08-03-02	Operation has been updated	UD	UD-HD2,
Control Valve, variable oil	with new Engine rpm range for		UD-HD3
pump	13L engine with EM-JPN 25.		
72204-3/7229-07-03-01	Operation has been enabled.	UD	CF, CZ
Load Sensor			
39824-3/3989-08-03-02	Operation has been enabled.	UD	UD-HD2,
Telematics connectivity,			UD-HD3, CF, CZ,
check and activation, test			UD-MDE
			UD-HDE
3646-08-03-08/36019-3	Operation has been disabled.	UD	UD-HD2,
Driver/passenger door			UD-HD3, CF, CZ
control panel			
			L



#### **Diagnostic Changes in the Release**

Diagnostic	Changes	Brands	Models
Diagnostic Update	Symptoms based diagnostic support has	VTC 🖉	FL (3),
	been enabled in HMD for Engine,	RT∽	C, K, T,
	consumption and transmission SBD's.		T HIGH,
			D WIDE,
			D-Narrow
Diagnostic Update	Diagnostic support has been updated by	UD	UD-MDE,
	disabling the impact links for UD products in		UD-HDE,
	Tech Tool.		UD-HD2/3,
			CF-CZ,
			UD-MD,
			UD-HD.



#### **Known Issues and Workarounds**

Issue No:	Issue Description	Brands					
1.	Tech Tool installation progress bar is frozen during Client Update.	ALL					
2.	2. While programming, the software download might get stuck at 99%.						
3.	3. While switching between the tabs, Tech Tool might be frozen, or an error pop-up is displayed.						
4.	Inconsistent behaviour in loading J1939 DTCs (Vendor ECUs) in Diagnose tab.	ALL					
5.	Operation number is missing for 3690-07-03-02 Wireless sensor gateway (WSGW) calibration operation. <b>Note:</b> Applicable only to North America model VN (4).	VTC					
6.	<ul> <li>Under test operation 87923-3 Cab Heating Circuit Components,</li> <li>Graph readout for Cab climate coolant pump speed is missing. However, there is a digital readout on the right-hand side.</li> <li>If the truck does not have the solenoid valve for the deaeration (air bleeding), then the air bleed valve position will return "Not available"</li> <li>Ambiguous status phrases for Cab coolant direction three-way valve position. ("Short circuit", "Mix circuit" and "Long circuit" will be replaced by "Short loop", "Mix loop" and "Long loop" respectively)</li> <li>Wrong Component location illustration for the water valve stepper motor in Selection C.</li> </ul>	VTC (FHE, FME)					
7.	Error 236 observed during the programming operation.	ALL					



#### Issue-1: Tech Tool installation progress bar is frozen during Client

#### Update.

Cause: Under Investigation.

Client Update (DESKTOP-AE33LLM\Tech tool)		- 0	>
vailable Updates Registered Tracks			
Search for Updates Download Cancel Install	🔽 Install autom	atically after down	nloa
✓ Update	Size	Release Date	
<ul> <li>Tech Tool 2.8</li> </ul>			
2.8.140	3.72 MB		- 1
蒜 📝 2.8.141	3.72 MB		- 1
Download Progress:			- 1
Installation Progress: Tech Tool Core Patch, Version:			- 1
2.8.140.16			
			- 1
Overall Progress:			- 1
			- 1
Description			
Description			
Description			

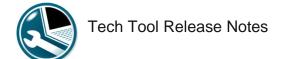
**Suggestion**: Restart computer if the progress bar is frozen.

<u>Issue-2</u>: While programming, the software download might get stuck at 99%.

Cause: Under Investigation.

Tech Tool Tech Tool Liens Adde	-	- 0	×
Produit Historique produit Diagnostiquer Test Calibrer Programmer Impact			
Etapes de programmation <ul> <li>Récopération des numéres de référence du logical</li> <li>Récopération des numéres des unités de commande sélectionnées</li> <li>Récopération des logical depuis les systèmes centuux</li> <li>Récopération des unités de commande</li> </ul> <ul> <li>Récopération des unités de commande sélectionnées</li> <li>Récopération des unités de commande sélectionnées</li> <li>Récopération des unités de commande</li> </ul> <ul> <li>Récopération des logical depuis les systèmes centuux</li> <li>Récopération des unités de commande</li> </ul> <ul> <li>Récopération des unités de commande</li> <li>Récopération des paramètes</li> <li>Récopération des paramètes</li> </ul> <ul> <li>Récopération des unités de commande</li> <li>Récopération des paramètes</li> <li>Récopération des paramètes</li> </ul> <ul> <li>Récopération des paramètes</li> <li>Récopération des paramètes</li> <li>Récopération des unités de commande</li> </ul> <ul></ul>			
	Poursuivre >	Annuler	

Suggestion: Use Quick Repair tool to resolve this issue. Refer Video.



#### **Issue-3**: While switching between the tabs, Tech Tool might be frozen.

Cause: Under Investigation.

n Toat	Lins map						14 Years Conteau
tinbe	Product History	Disgnose	Test	Calibrate	hogram		
					and a second	2	
					21	ē.	

**Suggestion**: Kindly follow the below steps:

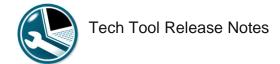
- 1. Ensure that there is a stable network as shown in the icon
- 2. Restart Tech Tool.
- 3. If not able to recover, restart the computer.

# <u>Issue-4:</u> Inconsistent behavior in loading J1939 DTCs (Vendor ECUs) in Diagnose tab.

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Cause: Under Investigation.

Suggestion: No workaround



#### **Issue-7**: Error 236 observed during the programming operation.

Cause: Under Investigation.

roduct Product History Diagnose Test Calibrate Program Impact		
	1700-22-03-12 Replace Har	dware
Programming Steps	Control Unit	Status
Reading out transferable parameters from selected Electronic Control Units	Telematics CateWay	Programming failed
Retrieving software part numbers	Verfying changes	Pending m
Downloading software from central systems	er X	
Programming Electronic Control Units	Programming of Control Unit Falled Recommended actions Use Guck Repar Tool Recount Tech Tool Recount Tech Tool	
Programming parameters	Try again     Detailed information     Golde 236     Descreptor, Italied to add program package ritio node     programming	
	Send Concern Report Retry Stop	

Suggestion: Use Quick Repair tool to resolve this issue. Refer Video.

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