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# TECH TOOL RELEASE NOTES

**Version 2.8.220**



**Volvo Group**

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# TECH TOOL RELEASE NOTES 2.8.220

## 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 2.8.220 is available for download in the Client Update from week 44, 2023.

## 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. UPN (User Principal Name) details should be available with user to the corresponding existing user id to login Tech Tool. This will be needed to login Tech Tool after installing 2.8.210 and higher version of Tech Tool.
  - For Volvo Corporate Network (VCN) Internal User IDs, use your corporate email address.
  - External Users, use Tech Tool ID and add @ext.volvogroup.com (UserID@ext.volvogroup.com)
2. \*.msapproxy.net should be whitelisted with no SSL inspection. Contact your local IT administrator to whitelist this domain.
3. **2010 (https)** port should be open for all the traffic. Contact your local IT administrator to open the port and then restart the installation. **Port enablement would be applicable ONLY for users downloading & installing Tech Tool through Web/ISO,** however for CLUP update it's not applicable.

## What's New

Description	Brands
Improved Error message for both Error codes 155 and 236.	ALL
Tech Tool End User License Agreement (EULA) has been updated.	ALL
Support for handling of Restricted Vehicle Software has been improved. Restricted Vehicle Software will be introduced in 23w47 as part of improved Cyber-security and new Vehicle regulations. Vehicle Software security keys that are needed for read and write of parameters will only be stored in central systems and not stored in Tech Tool Client anymore. User working with restricted software need to be connected to central systems during the operation, hence offline mode is not supported.	VTC VBC RT



## Fixed Issues

Description	Brands
Missing Freeze frame information in the Diagnose tab for DTCs has been resolved.	ALL
Missing Campaigns information in the Program tab has been resolved.	ALL
Missing Mileage information in the Product tab under product details has been resolved.	ALL
RMI users unable to login into Tech Tool version 2.8.210 has been resolved. Not applicable for North America.	ALL



## Operation changes in the release

Operation	Changes	Brands	Models
General update	Operation support has been updated for downgrade from Euro 6 to Euro 3 for ENG-VE13, OBDEP-C.	VTC ✓	FH(4), FM(4)
<b>3600-08-03-01</b> 'Flexible switches'	Operation support has been updated with illustration for test.	VTC ✓	FH(4), FM(4)
<b>3665-08-03-02/36122-3</b> 'Cooling fan, forward looking camera'	Operation support has been updated.	VTC ✓	FH(4), FM(4), FHE(4), FME(4)
<b>3665-07-03-06/36120-3</b> 'Forward looking radar driving case'	Operation support has been updated.	VTC ✓	FH(4), FM(4), FHE(4), FME(4)
<b>3665-07-03-07/36121-3</b> 'Forward looking camera'	Operation support has been updated.	VTC ✓	FH(4), FM(4), FHE(4), FME(4)
<b>23022-3</b> 'Fuel Pressure'	Operation support has been updated. It is now possible to check the engine fuel pressure if the engine is running unevenly, got low power, or when the air in the fuel is suspected.	VTC ✓	VM(06)
<b>3665-08-03-02</b> 'Cooling fan, forward looking camera'	Operation support has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	T High, T, C, K, T E-Tech, C E-Tech, D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)



Operation	Changes	Brands	Models
<b>3665-07-03-07/36121-3</b> 'Forward looking camera'	Operation support has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	T High, T, C, K, T E-Tech, C E-Tech, D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
<b>3665-07-03-06/36120-3</b> 'Forward looking radar'	Operation support has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	T High, T, C, K, T E-Tech, C E-Tech, D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
<b>36109-3</b> 'Side assistance radars, configuration'	Operation support has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	T High, T, C, K, T E-Tech, C E-Tech, D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)



Operation	Changes	Brands	Models
<b>5931-07-03-02</b> 'Sensor steering angle'	Operation support has been updated for MD RT/VTC.	VTC ✓ RT ✓	D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
<b>5931-07-03-03</b> 'Sensor yaw rate'	Operation support has been updated for MD RT/VTC.	VTC ✓ RT ✓	D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
<b>17600-3</b> 'Low Voltage Service Mode, Control'	Operation support has been updated. A precondition was added stating that the vehicle must be in delivered mode before executing the operation.	VTC ✓ RT ✓	T E-Tech, C E-Tech, FHE, FME
<b>59222-3/5929-08-03-02</b> 'Function Retarder'	Operation support has been updated with common Y-axis scale implemented for temperature and pressure values for the graphs in the operation for better interpretation of the read-out.	VTC ✓ RT ✓ VBC ✓	C 2STEPS, D Wide, T, T-High, C(RT), K(RT), FH(4), FM(4), B13R(3), B11R
Operation news	Operations support has been added.	VCE ✓	<b>Compact Crawl Excavator:</b> EC37F, ECR40F
<b>30003-3</b> 'Battery Classification, test'	Operations support has been added.	VCE ✓	<b>Compact Wheel Loader:</b> L20H, L25HL





Operation	Changes	Brands	Models
<b>30003-3</b> 'Battery Classification, test'	Operations support has been added.	VCE ✓	<b>Compact Crawl Excavator:</b> JEC18E, JECR18E, ECR25DL
<b>94805-3</b> 'Load weighing, calibration'	Operations support has been updated to "Adjust maximum payload."	VCE ✓	<b>Articulated Hauler:</b> A25G, A30G, A35G, A40G, A45G, A60H
General Update	Operations support have been updated for RT HD T2.	RT ✓	T High, T, C, K
General Update	Operations support have been updated for RT HD E-Tech.	RT ✓	T E-Tech, C E-Tech
<b>25065-3</b> 'Exhaust Aftertreatment Analysis'	Operation support has been updated. Based on the parameter availability in the engine control unit software, minimum conversion efficiency is determined.	UDT ✓	UD-HD2, UD-HD3
<b>25920-3</b> 'Exhaust Aftertreatment system, service regeneration'	Operation support has been updated for information to the end user, based on the soot accumulation level.	UDT ✓	UD-HD2, UD-HD3
<b>17140-3</b> 'Central System Update'	Operation support has been enabled to update Diesel Particulate Filter (DPF) part number to central system.	UDT ✓	UD-HD2, UD-HD3



## Diagnostic changes in the release

Diagnostic	Changes	Brands	Models
Diagnostic news	Fault tracing instructions have been added for downgrade from Euro 6 to Euro 3 for ENG-VE13, OBDEP-C.	VTC ✓	FH(4), FM(4)
Diagnostic news	Side radar fault tracing has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
Diagnostic news	Side radar fault tracing has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
Diagnostic news	Side radar fault tracing has been added for RT HD & MD RT/VTC.	VTC ✓ RT ✓	D Narrow, D Wide, D Narrow E-Tech, D Wide E-Tech, FE(3), FL(3), FEE(3), FLE(3)
Diagnostic news	Fault tracing content has been updated for the test reference resistance values of main shaft speed sensor and counter shaft speed sensor of latest generation I Shift transmission.	VTC ✓ RT ✓ VBC ✓	D Wide, C 2 Steps, FE(3), FH(4), FM(4), K(RT), C(RT), T, T-High, B8R(3), B13R(3), B11R
Diagnostic news	Fault tracing support has been added.	VCE ✓	<b>Crawl Excavator:</b> EC500F



Diagnostic	Changes	Brands	Models
Diagnostic updates	Fault tracing content has been updated with smart diagram.	VCE ✓	<b>Crawl Excavator:</b> EC200EAG,
Diagnostic updates	Fault tracing content has been updated with smart diagram.	VCE ✓	<b>Wheel Loader:</b> L60H, L70H, L90H
Diagnostic news	Extended fault tracing content has been enabled for gear control solenoid valves of latest generation I Shift transmission.	VBC ✓	B8R(3), B13R(3), B11R
Diagnostic news	Fault tracing instructions has been added for RT HD T2 & RT HD E-Tech.	RT ✓	T High, T, C, K, T E-Tech, C E-Tech
Diagnostic updates	Extended fault tracing content has been enabled for the Driver Assistance Control Unit (DACU).	UDT ✓	UD-HD2, UD-HD3

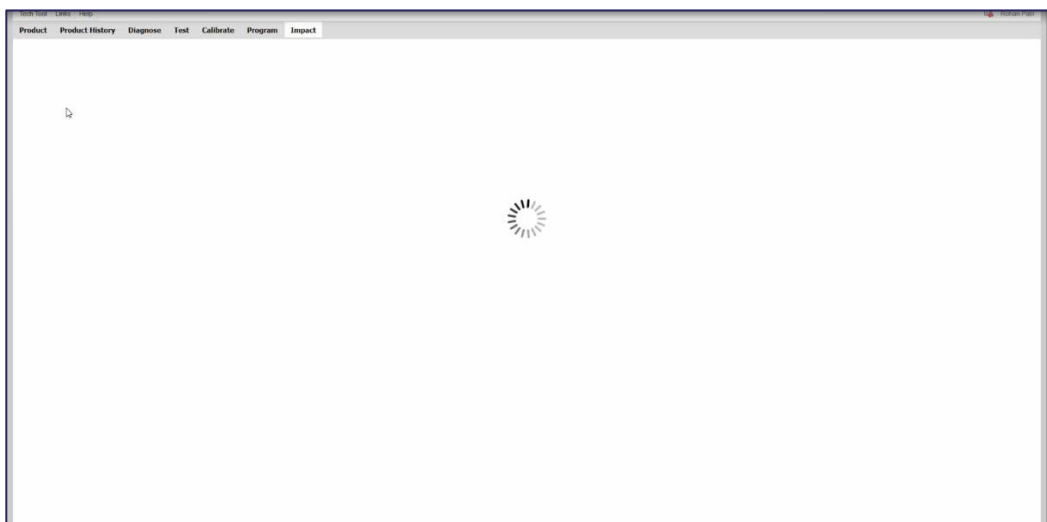


## Known Issues and Workarounds

Issue No:	Issue Description	Brands
1.	The Impact tab might not load and will be frozen.	ALL, except VCE
2.	While switching between the tabs, Tech Tool might be frozen, or an error pop-up is displayed.	ALL
3.	Tech Tool installation progress bar is frozen during Client Update.	ALL
4.	While programming, the software download might get stuck at 99%.	ALL

**Issue-1:** The Impact tab might not load and will be frozen.

**Cause:** Impact application.



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

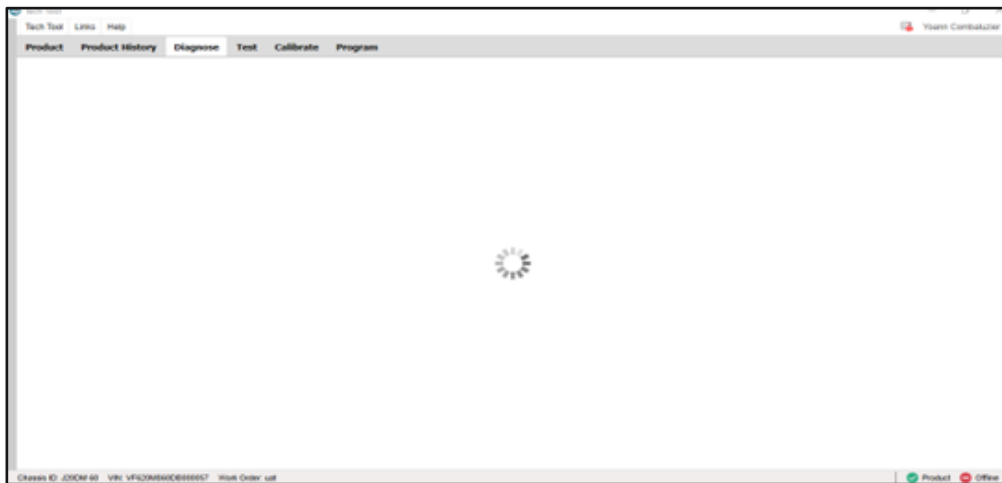
1. Launch Impact tab standalone application from Browser.
2. Enter the chassis information and select "Repair" as Info Type.
3. Select "Titles" under Search by and enter the search criteria.

Please refer the [video](#) for more details.




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

**Cause:** Under Investigation.

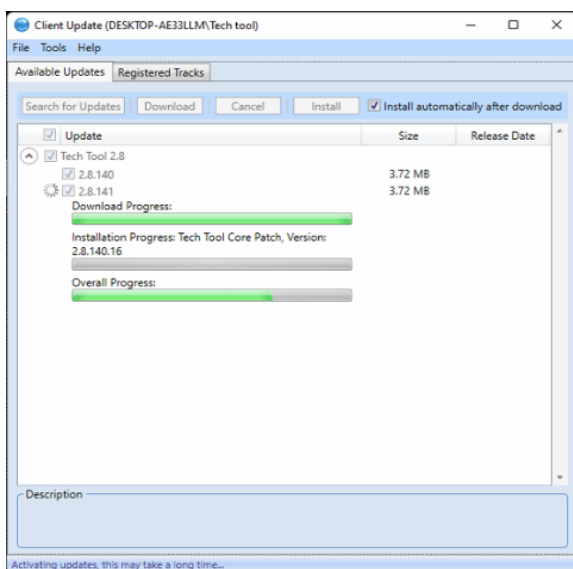


**Suggestion:** Kindly follow the below steps:

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

**Cause:** Under Investigation.

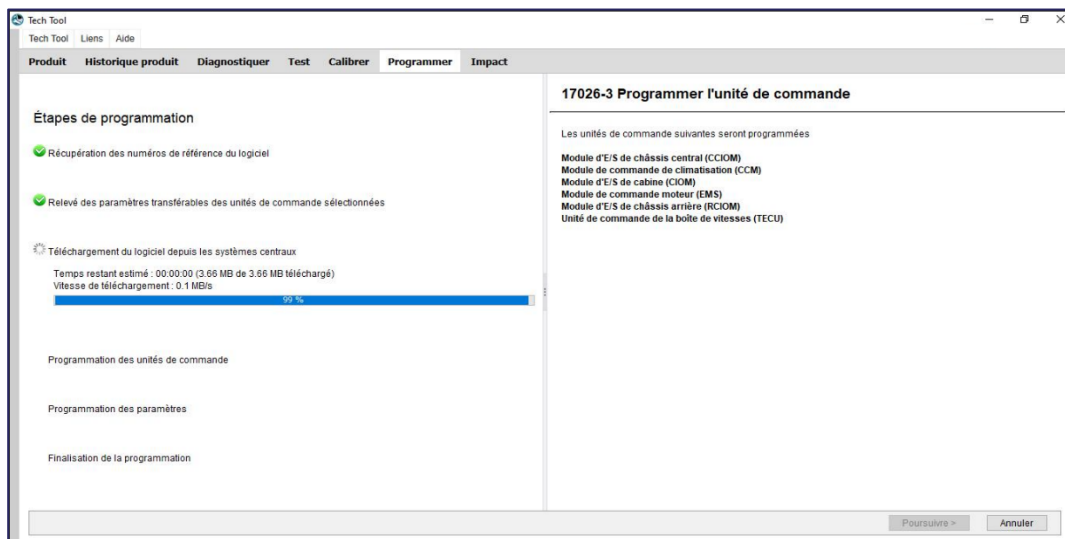


**Suggestion:** Restart computer if the progress bar is frozen.



**Issue-4:** While programming, the software download might get stuck at 99%.

**Cause:** Under Investigation.



**Suggestion:** Use Quick Repair tool to resolve this issue. Refer [Video](#).

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