



Quick Start Guide



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1. How to get access to TruckTool

Access is given based on email domain names e.g., @logisnext.eu.

Public emails such as @gmail.com, @wanadoo.fr, @orange.fr are not allowed.

In special cases (small dealers with no company emails etc.) access for specific emails can be given.

Before creating a password, your company's domain name needs to be added to the list of allowed domains.

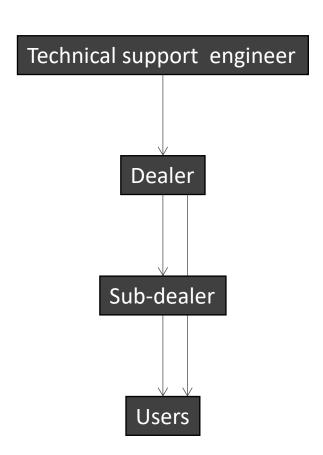
This is done by sending the company name, domain name, and brand to a technical support engineer by email.

Dealers can control the access of individual persons by removing their email access rights when they leave the company.



1. How to get access to TruckTool

Responsibilities of different roles on accessing TruckTool:



Handles all domain name rights requests.

Creates access for domain names based on requests received from dealers.

Sends their own and their sub-dealers' domain names to a technical support engineer for activation.

Takes care of user accounts; if a user leaves the company, they should close the email account which was used to create a TruckTool password.

Takes care of user accounts; if a user leaves the company, they should close the user's email account.

Registers their emails with TruckTool desktop application and refreshes TruckTool usage time by connecting to the internet regularly.



1. How to get access to TruckTool

Examples of handling individual users inside a company:

A. All users have their own email addresses, which they can use to register a TruckTool password and to log in to TruckTool.

Easy to remove access if a user leaves the company.

This should be the first choice of authentication scheme.

B. All users receive a common email address and password to use with TruckTool.

Good for companies with a lot of personnel with no personal email addresses (mechanics etc.).

When someone leaves the company, either the email or the password must be changed and redistributed inside the company to remove access.

C. Company does not have an individual domain name.

A single email address can be registered instead of a domain name.

This will be done only in the case where a company domain name does not exist.

Name of the user and the company must always be included in the request for single email access.

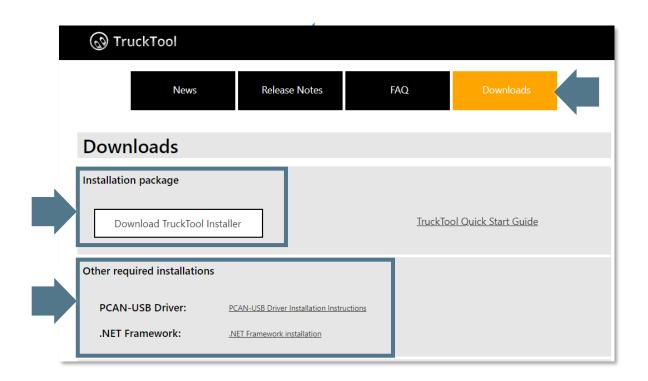


2. Installing TruckTool

Browse to new.trucktool-online.com and select the 'Downloads' tab.

Download TruckTool by clicking the 'Download TruckTool Installer' button.

Please note the other required installations listed on the page; these are needed for TruckTool to run.





2. Installing TruckTool

Install TruckTool by following the instructions in the installation wizard.

If needed, **install all the needed prerequisites** according to the instructions provided on the download site.

If you get this error message:



Please double-check the prerequisite installations and try again.

Manually uninstall old versions of TruckTool from your computer (guide can be found at <u>Instructions web page</u>).

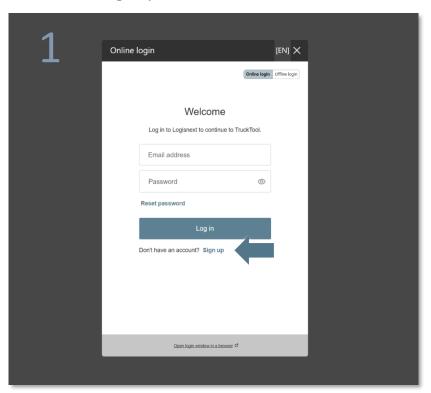
If the problem persists, please contact your technical support engineer.

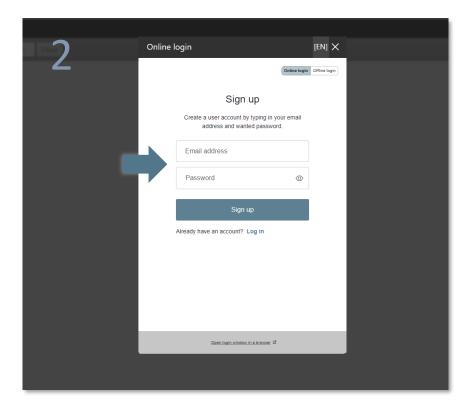


3. Creating a user account

After the domain name/email address has been approved by a technical support engineer, you must create a TruckTool password with your company email.

- 1. Launch TruckTool. Make sure you have a stable internet connection.
- 2. Click "Sign up" (picture 1).
- 3. Enter your email address and password for TruckTool (picture 2).
- 4. Press "Sign up".

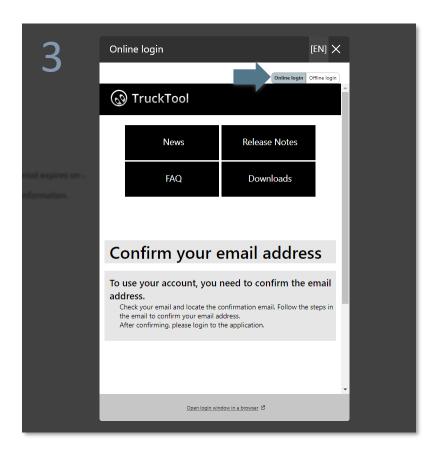


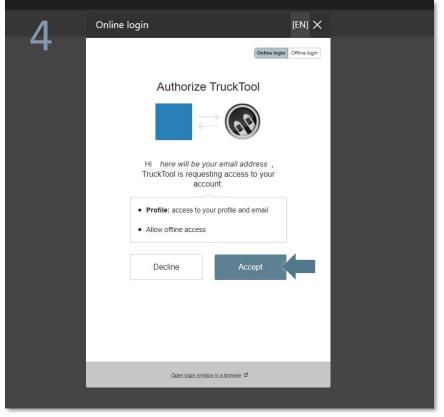




3. Creating a user account

- 5. You will receive an email for verifying the email address. Click the link in the email and return to TruckTool.
- 6. Continue the account creation by clicking the "Online login" button (picture 3).
- 7. You need to authorize TruckTool to access your account information. This is done by clicking "Accept" (picture 4).
- 8. After you have done these actions, you have created a user account and will be automatically logged in to TruckTool.





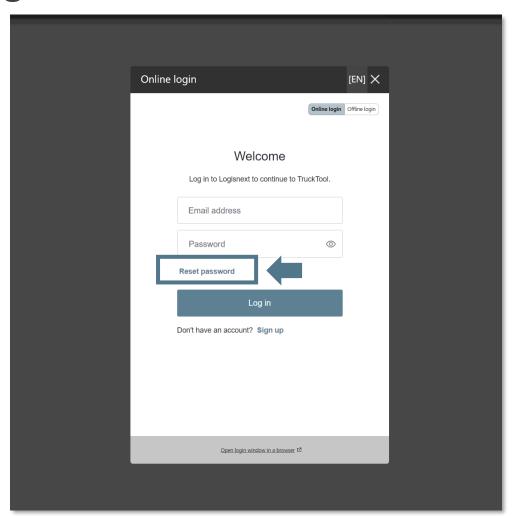


4. Password resetting

You can reset your TruckTool password from the TruckTool login window with the "Reset password" link.

You can change your password as often as you wish.

Password change is required every 120 days.





5. Password validity

Login to TruckTool client is valid for 60 days, after which an internet connection is required.

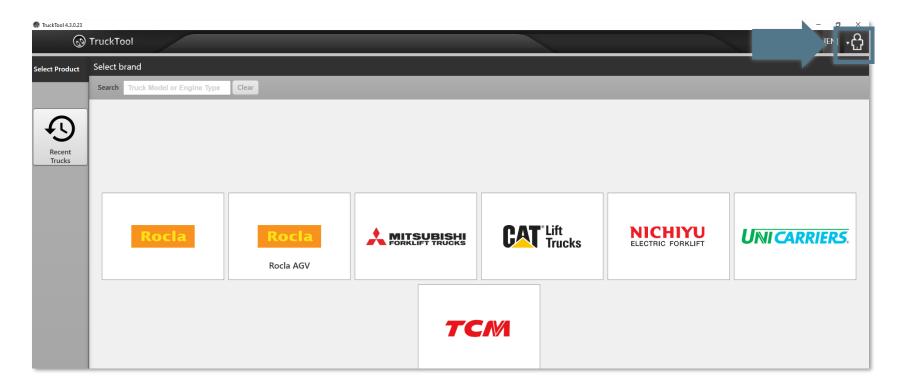
Information on the remaining offline usage time can be found from TruckTool's Updates view.





6. Logging out

You can log out from TruckTool by clicking the person icon in the upper right corner of the window.

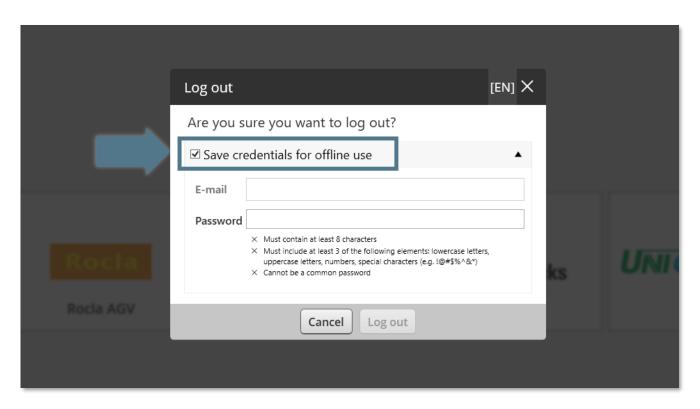




6.1 Logging out – preserving offline access

If you require offline access to TruckTool, select "Save credentials for offline use".

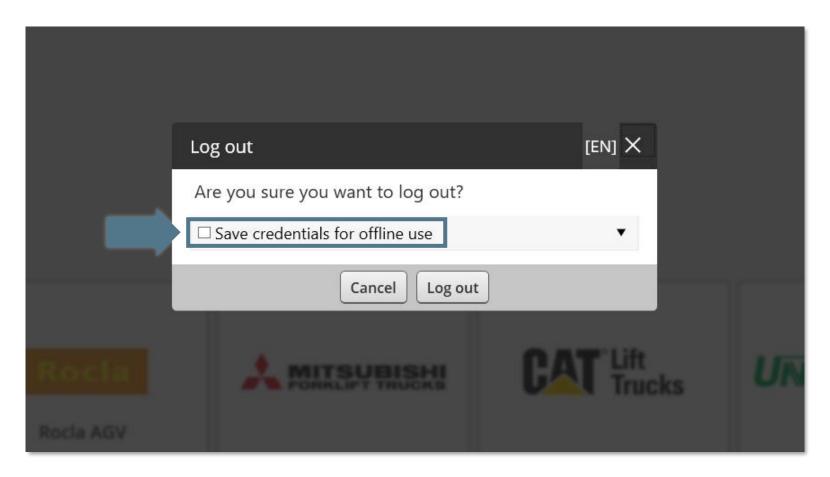
Insert your e-mail and a password to the password field. The password does not need to match your online password, but it can if you want.





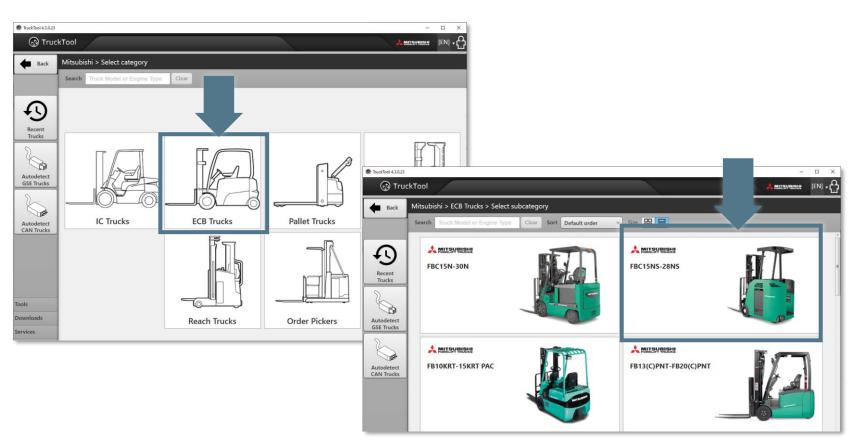
6.2 Logging out – without offline access

If you do not require offline access to TruckTool, uncheck "Save credentials for offline use".



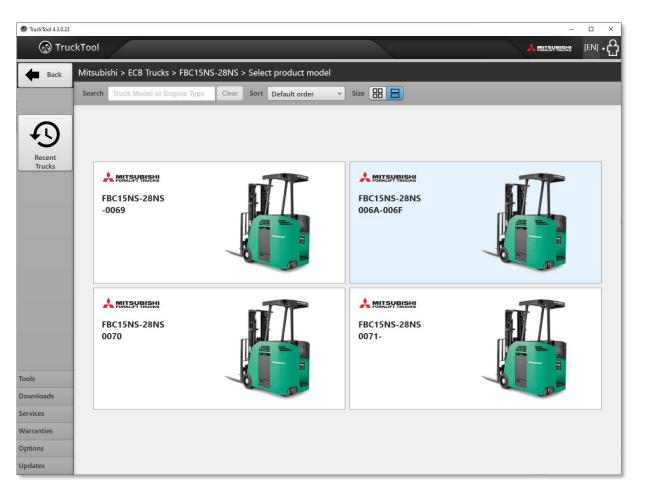


Select a truck category and a subcategory.



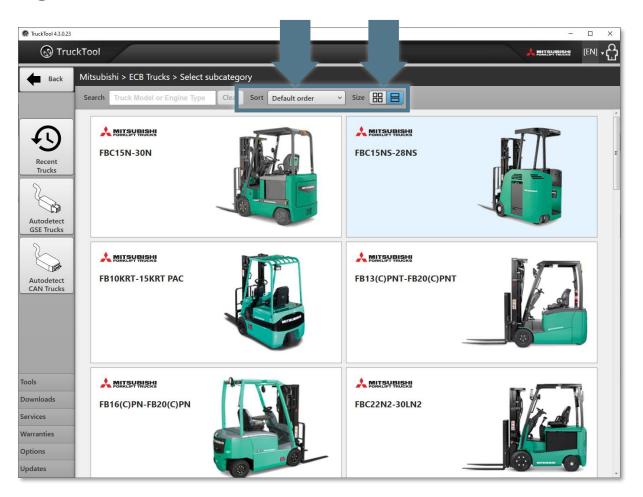


Select a truck product model if needed.



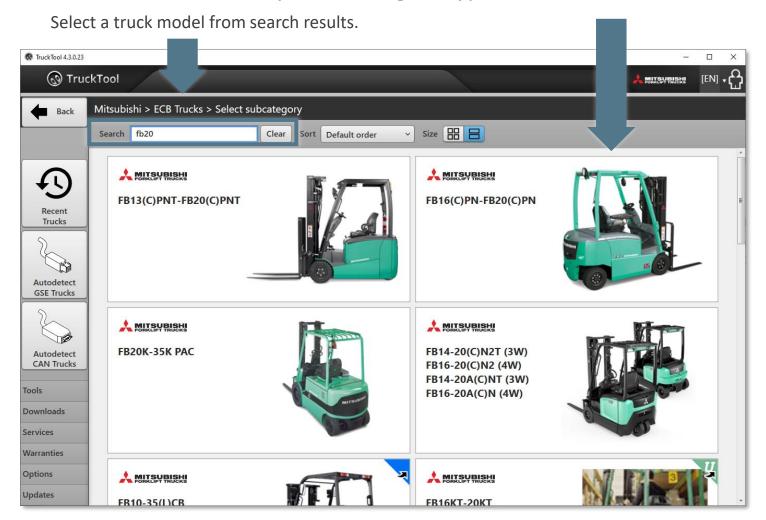


You can change the truck order and tile size.



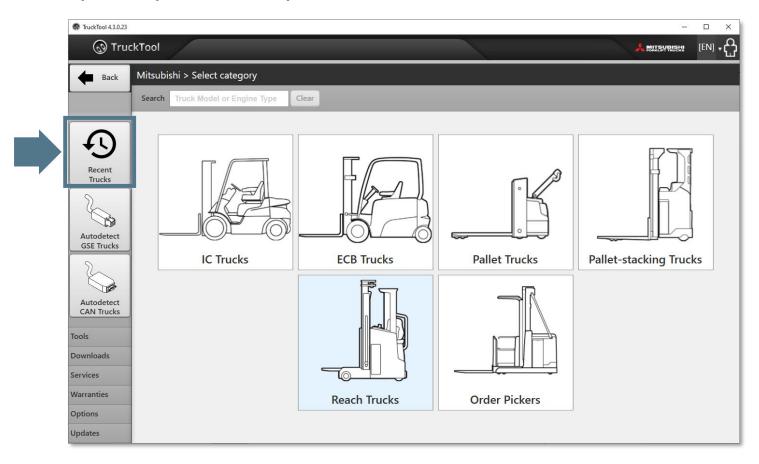


Use search to filter trucks by name, engine type or serialnumber.





You may view your recently connected trucks from the Recent Trucks button.

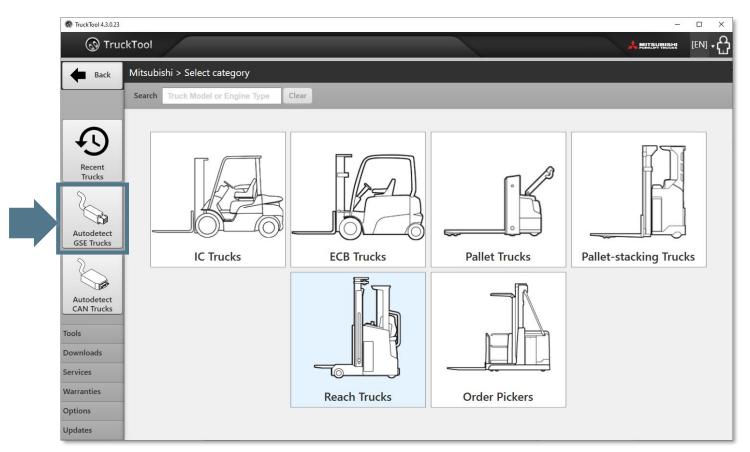




You may detect the connected GSE truck by clicking the 'Autodetect' button.

Plug in the GSE cable before clicking the Autodetect button.

If autodetection fails, select the truck manually.



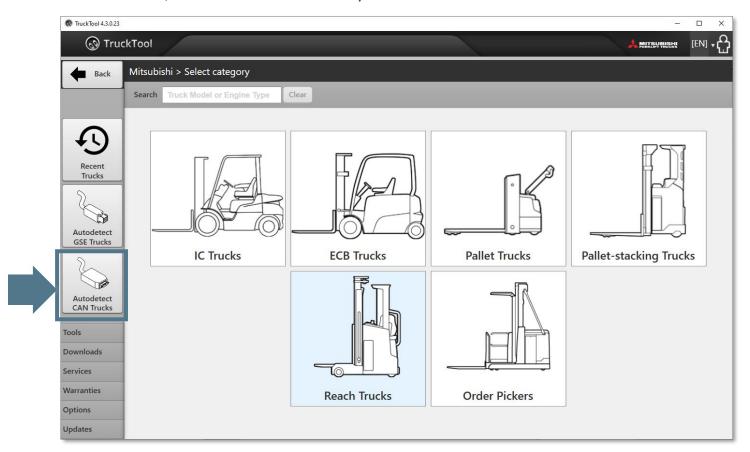


7. Selecting a model and connecting to the truck You may detect the connected CAN truck by clicking the 'Autodetect' button.

Plug in the CAN cable before clicking the Autodetect button.

Please note, that only some CAN trucks are supported for autodetection.

If autodetection fails, select the truck manually.

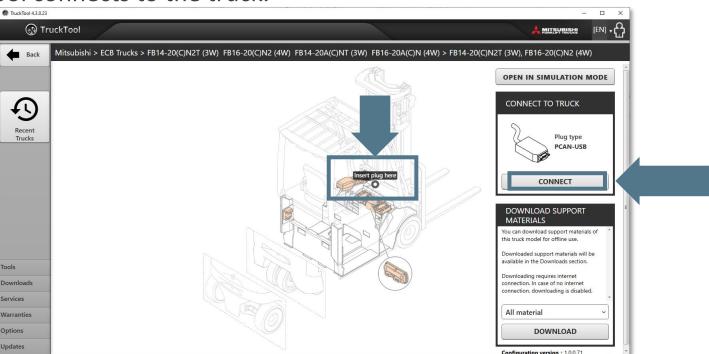




After you have selected the correct truck model:

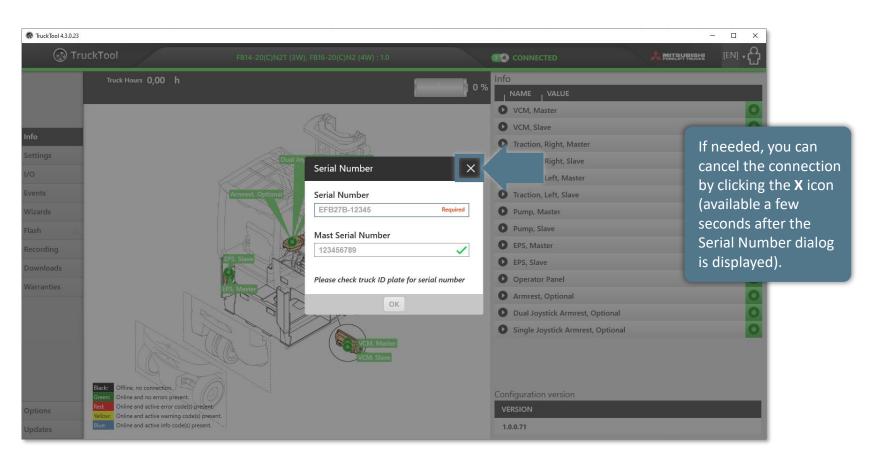
- 1. Connect a dongle to your pc.
- 2. Connect a dongle to the location on the truck shown in the picture.
- Click the connect button.

TruckTool connects to the truck.





After the connection is started, fill in the truck serial number and mast serial number and click the 'OK' button.





TruckTool mode and controller statuses are indicated by colored labels:

ORANGE TruckTool in simulation mode

BLUE TruckTool in TTP edit mode or controller info code active

BLACK Controller not connected

GREEN Controller online and no error code

RED Controller connection error or error code active

YELLOW Controller online and warning code active



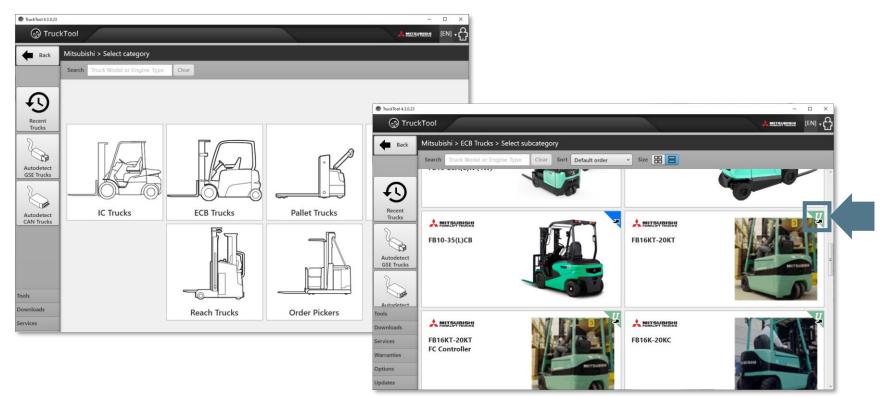


8. Selecting and connecting to a legacy truck

Select a brand and a subcategory.

Legacy trucks are highlighted with an external software symbol on the top-right corner of the truck image. Clicking on such a legacy truck opens the external software.

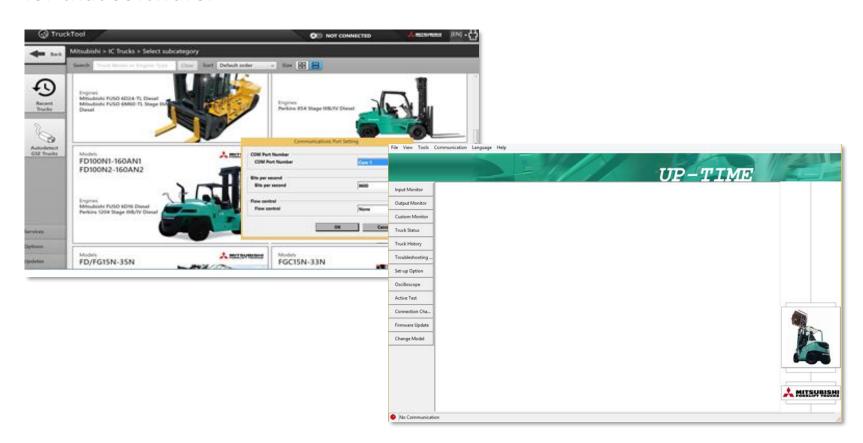
You do not need to install the external software separately; they are included in the TruckTool installation.





8. Selecting and connecting to a legacy truck

Depending on the truck model and the legacy tool, follow the instructions for that software.





9. Summary of TruckTool views

TruckTool has the following views:

Info - Information about controllers, locations, and truck status.

<u>Settings</u> - Functions for editing, importing, and exporting.

I/O - Values of inputs and outputs.

Events - Active error codes, error history, and list of all truck-specific error codes.

<u>Wizards</u> - Calibration, testing, and truck configuration wizards.

Flash - Functions for flashing controllers.

Recording - Recording object values and showing values in a graph.

<u>Downloads</u> - Downloading documents and files for use when an internet connection is not available.

<u>Services</u> - Used to create a service record for service. Visible if a supported truck model is connected. Always visible in disconnected mode.

<u>Warranties</u> - Produces and lists a TruckTool parameter (TTP) file entries for warranty related operations.

Options - Different settings of TruckTool.

<u>Updates</u> - Check for TruckTool updates, password validity, and offline usage time.

Tools - Contains launchers for various tools.



9.1 Info view

The info view shows general information about each controller and their locations in the truck.

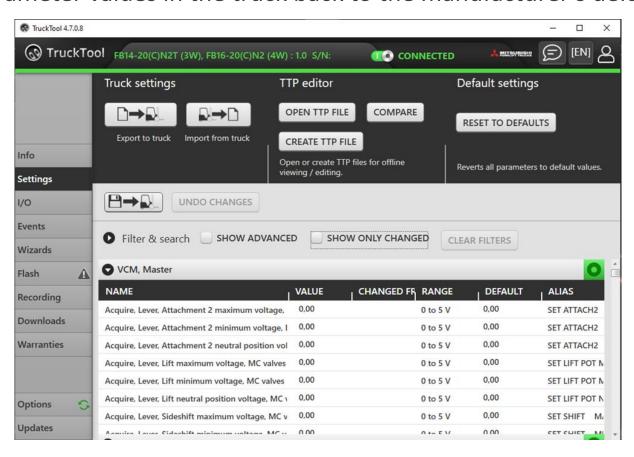
Status info is indicated by colors. To see error codes and descriptions, select the Events view.





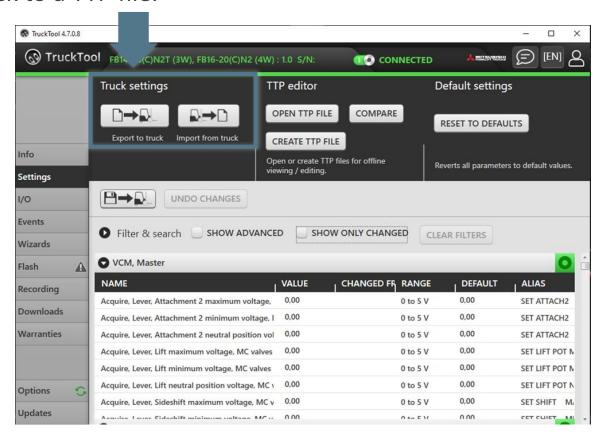
On the Settings view, you can edit single parameters, import, export and create TTP (TruckTool Parameter) files, open the TTP file editor, and reset current parameter values in the truck back to the manufacturer's default

values.





'Export to truck' action loads parameters from a TTP file to the truck. 'Import from truck' action loads all parameters and event logs from the truck to a TTP file.

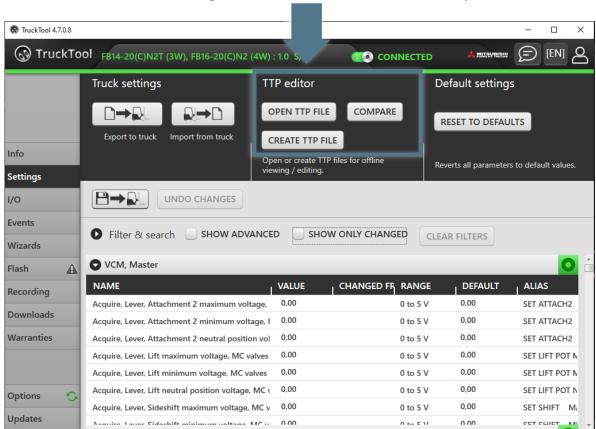




A TTP file editor can be opened from the Settings view.

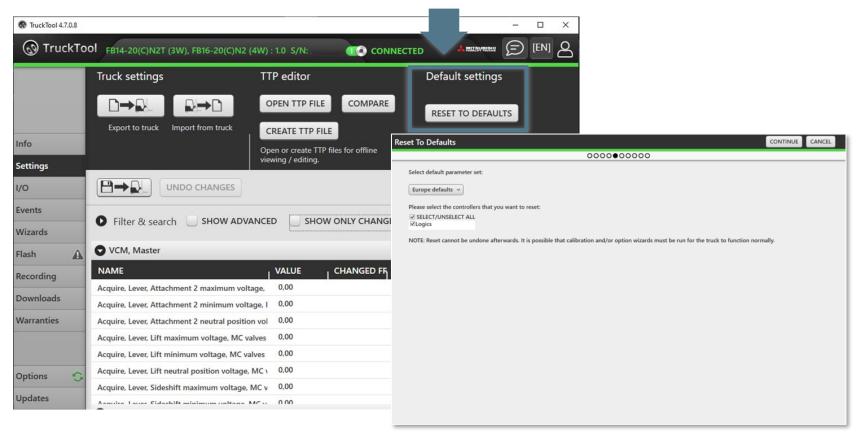
The editor can also be opened when not connected to a truck.

Create the connection as usual, ignore all connection errors, and open the TTP file editor.





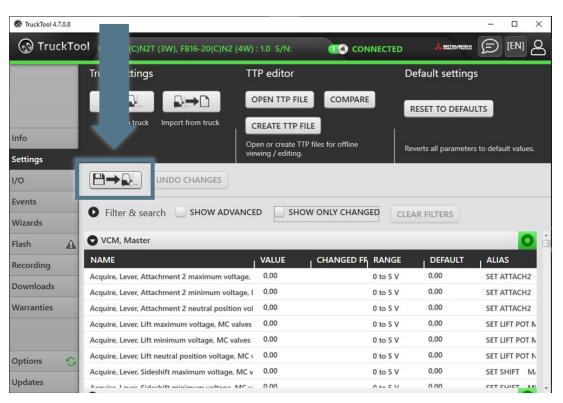
With the 'Reset to defaults' action, you can reset the truck or individual controllers to the manufacturer's default values.





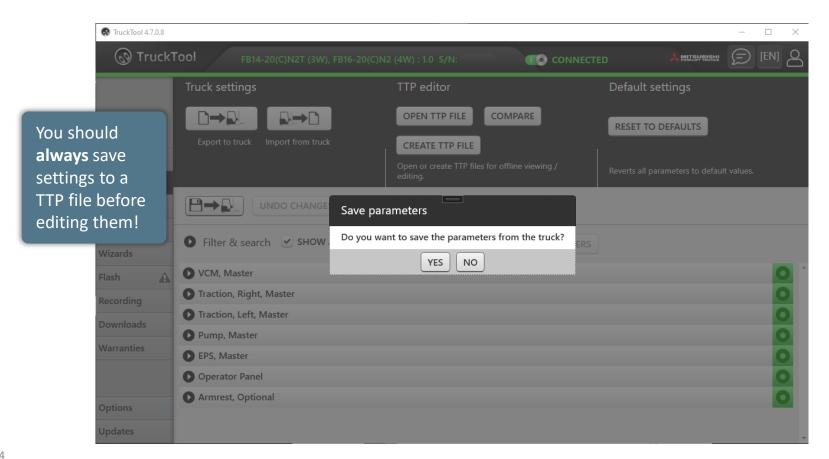
Parameter changes are not permanent unless saved to the truck's memory. Unsaved changes are cleared when the truck is restarted.

Clicking "Undo Changes" sets all values on the truck as they were before editing.





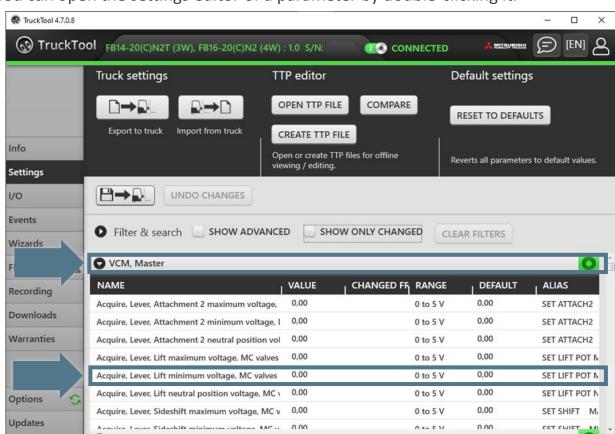
By default, TruckTool automatically prompts you to save parameters. 'Save parameters' prompt can be disabled from the Options view.





To view the parameters of each controller, expand the controller by clicking the expander button **●**.

You can open the settings editor of a parameter by double-clicking it.

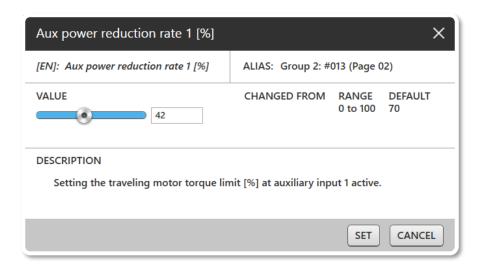


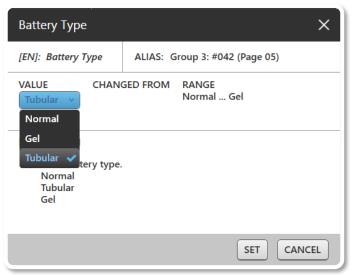


TruckTool has different types of editors, depending on parameter types.

Numeric editor with slider, single selection, multiple-choice with checkboxes, etc.

Parameter descriptions and pictures are visible in editors.



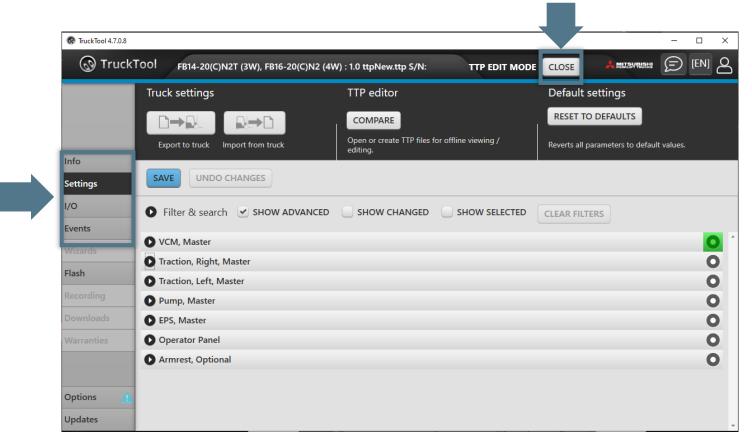




9.2 Settings view

In the TTP editor, you can view Info, Settings, I/O, and Events views, just like you would do when connected to a truck.

When you close the TTP editor, you will be prompted to save your changes to a new TTP file.

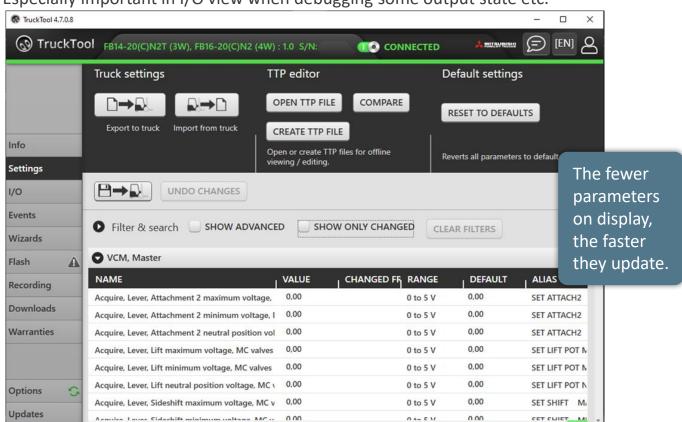




Filter & Search affects the update speed of displayed objects:

TruckTool polls from truck only the parameters visible to the user, which directly correlates with update speed.

Especially important in I/O view when debugging some output state etc.

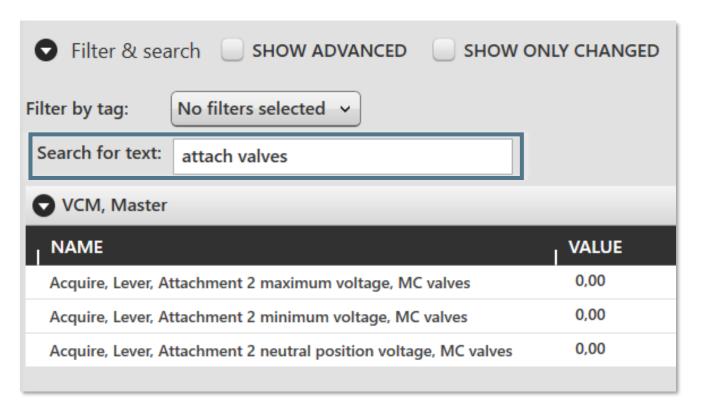




'Search for text' should be your first choice for searching.

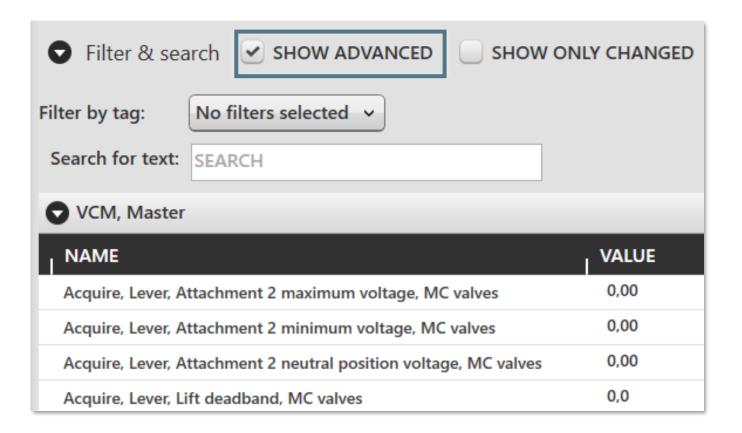
Simple text search.

Results all parameters containing text matching to your given search words.





Checking the 'Show Advanced' checkbox displays parameters that you do not usually need to edit.



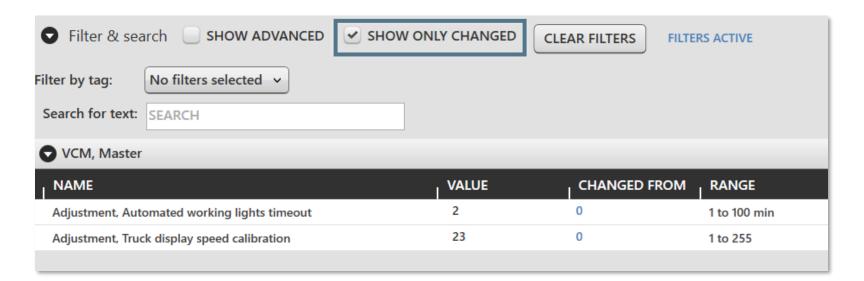


Some predefined object groups have been defined and can be selected from the 'Filter by tag' dropdown menu.





'Show only changed' displays changed values and the value they were changed from.

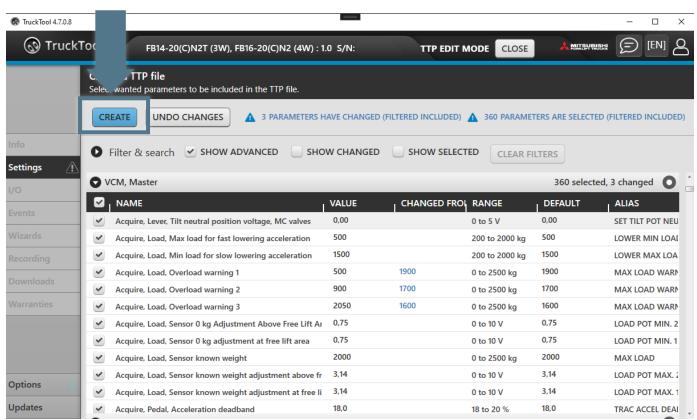




9.2.1 Settings view – TTP creator

A TTP file can be created by selecting 'Create TTP file '.

Select the objects that you want to include in the TTP, change values of objects to desired value and click create. Selected values will be written to the TTP file with the values shown in the VALUE column.





9.2.1 Settings view – TTP creator

Choose a filename for saving and add an optional comment to the TTP file.

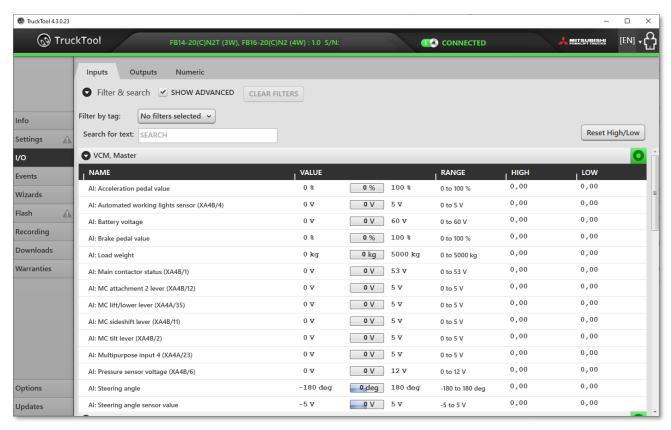




9.3 I/O view

I/O view contains the values of inputs and outputs.

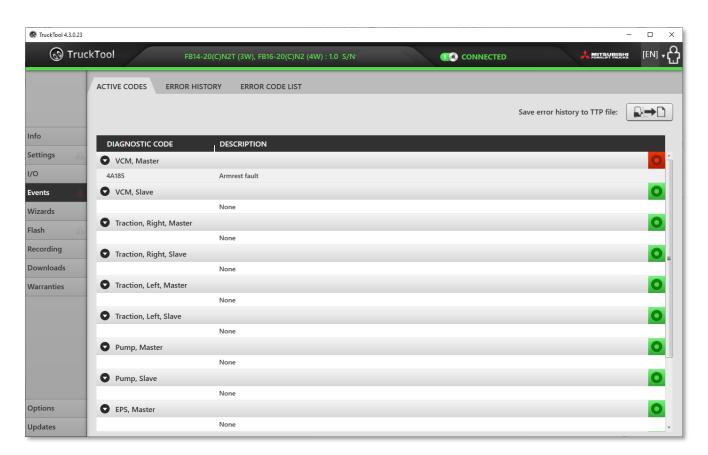
Values that are not inputs nor outputs, but hold some informational value, are listed under the 'Numeric' tab.





9.4 Events view

'Active Codes' tab contains error codes currently active on each controller of the truck.

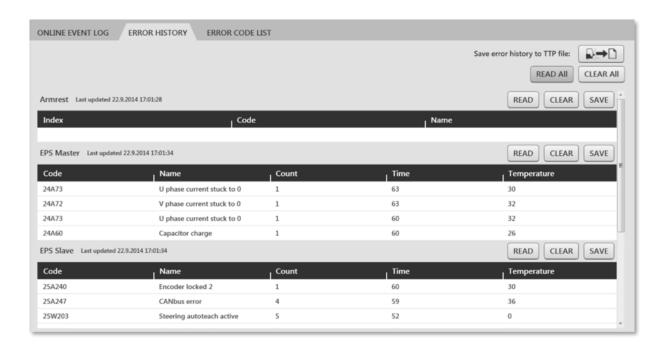




9.4 Events view

'Error History' tab displays error histories that are stored in controllers.

Error histories hold a limited amount of information due to a limited amount of memory available in the controllers.

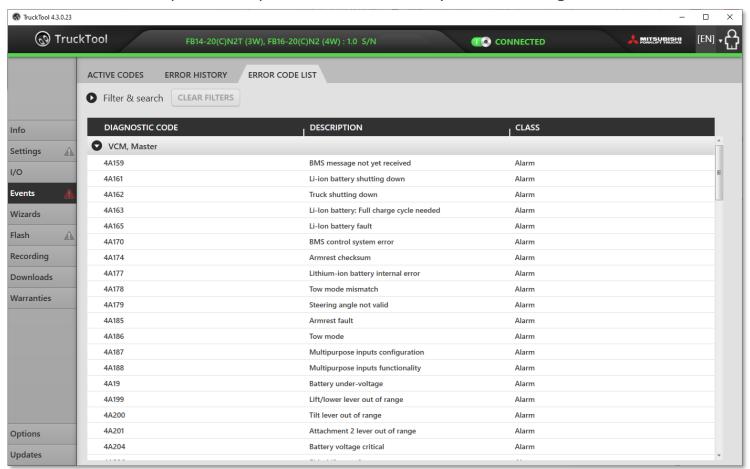




9.4 Events view

'Error Code List' tab shows all known error codes of every controller.

You can view the complete description of an error code by double-clicking it.

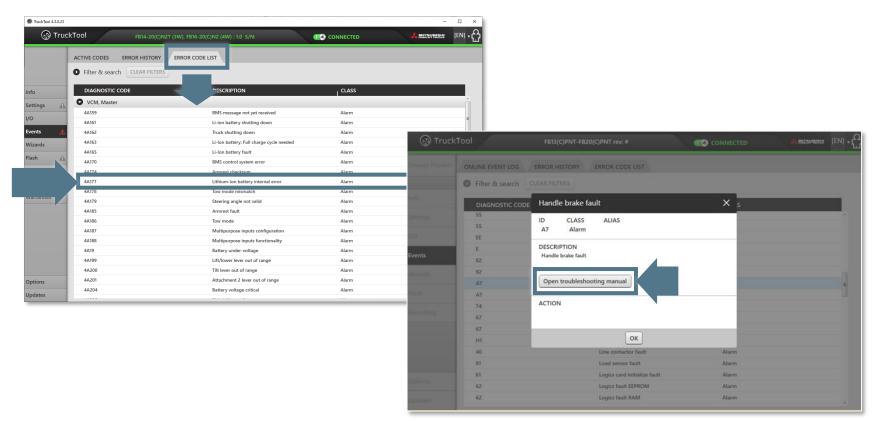




9.4 Events view – Troubleshooting

You can investigate the meaning of an error code on the Error Code List tab in the Events view. Scroll down or search the error code.

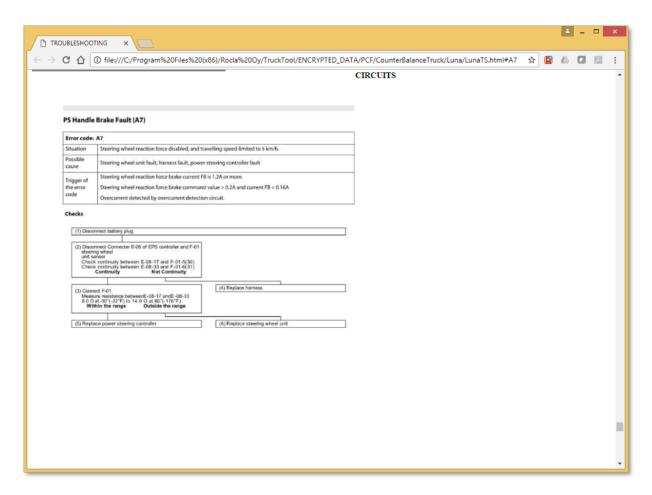
Double-clicking an error code opens a details dialog, and clicking 'Open troubleshooting manual' opens the manual page (not possible on all truck models).





9.4 Events view – Troubleshooting

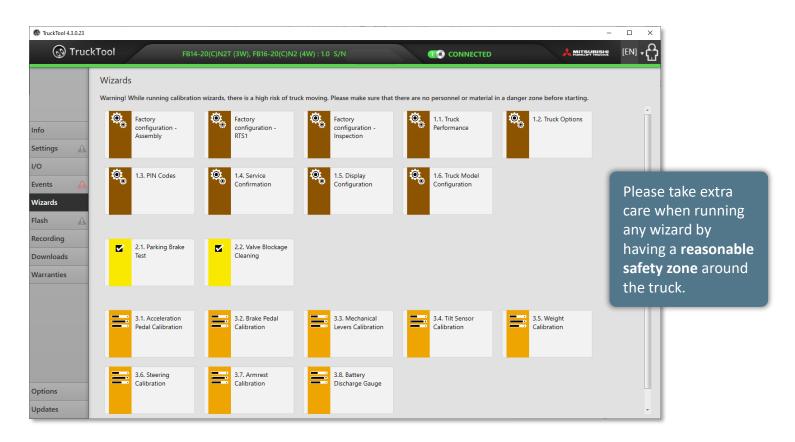
The opened page shows you a brief description of the error.





9.5 Wizards view

Wizards view contains step-by-step wizards for calibrating, testing, and configuring the truck.



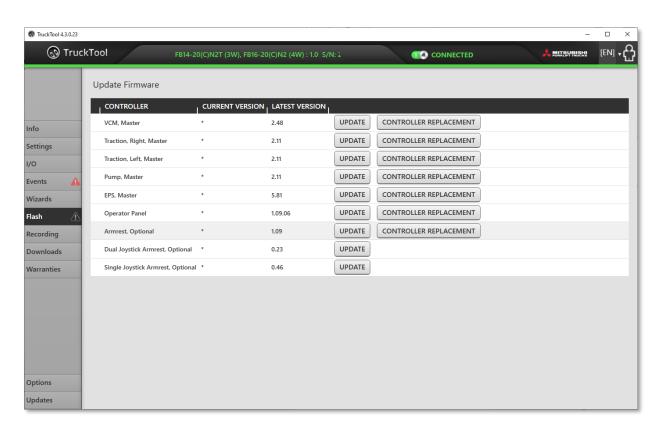


9.6 Flash view

Flash view contains actions for updating new software to controllers.

Use the 'Update' button if you are only updating the software.

Use the 'Controller Replacement' button if you are installing a new controller or replacing a broken one.





9.7 Recording view

'Graph' tab is a software oscilloscope in which you can:

- 1. Record object values to file.
- 2. Show a graph of object values.

Both can be done at the same time.





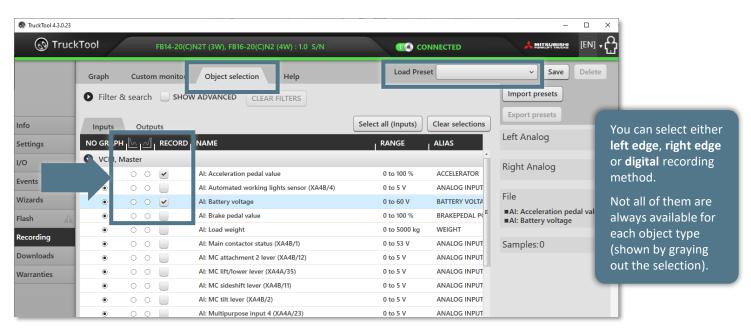
9.7 Recording view

Before starting the recording, you need to select recorded objects from the 'Object selection' tab.

Only a limited number of objects can be shown at once.

By checking the 'Record' checkboxes you select data that is logged for file saving. This is automatically selected if the graphical display of an object is active.

Selected objects can be saved and then those are available in the 'Load Preset' dropdown menu.

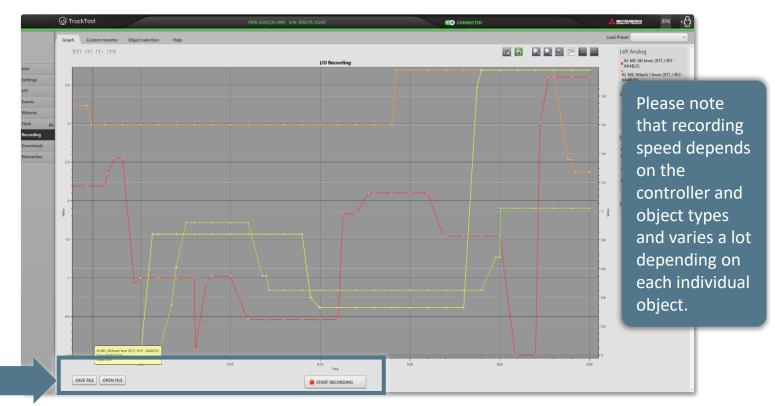




9.7 Recording view

After selecting objects, you can start recording by clicking the 'Start Recording' button on the 'Graph' tab.

After recording, you can save the results to a CSV file by stopping the recording by clicking 'Stop recording' and then the 'Save File' button.

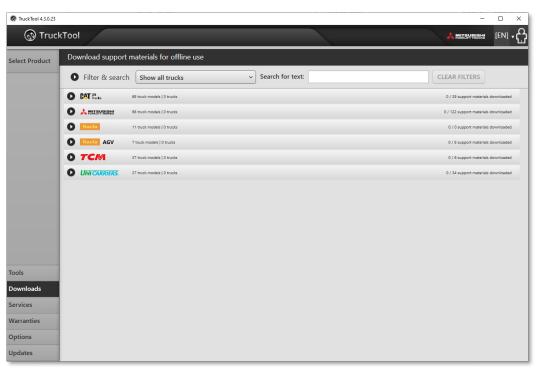




9.8 Downloads view

Downloads view contains model and truck-specific content that can be downloaded from TruckTool to use also when an internet connection is not available.

In this view, you can download documents and files from the TruckTool cloud to your computer's hard drive, view them, and remove them if necessary. This allows you to download documents and files in advance before you travel to the site to perform a repair or a service.





9.8 Downloads view

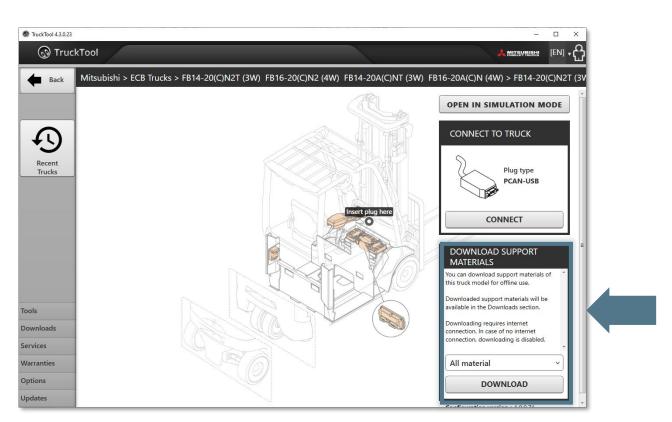
- Downloads view allows content sharing and version updating independently from TruckTool releases. It enables us to provide targeted content based on a truck model or truck serial number.
- Downloads view provides easy access to all relevant documents and files needed to perform services. This includes e.g. user manuals, electrical diagrams, spare part images, and mechanical drawings.
- Notice that when you have no internet connection, you cannot download or view content that you have not yet downloaded when you were online.



9.8 Downloading content from Info view

You can download model and/or truck specific documents and files from Info view without creating a connection to the actual truck.

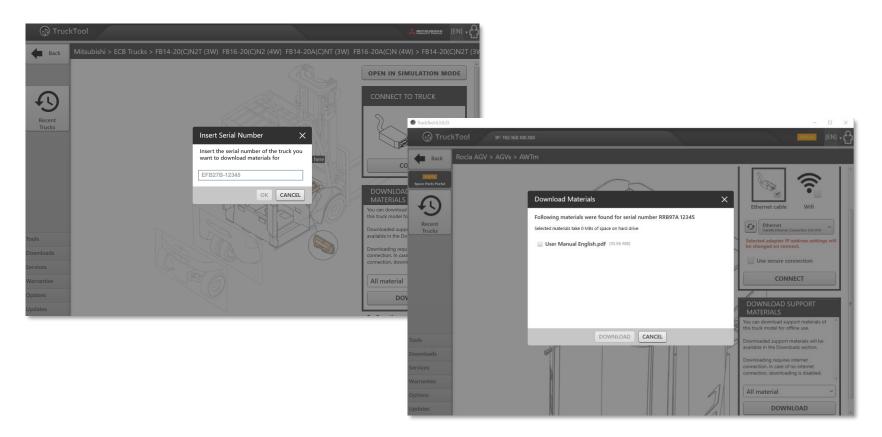
This allows you to download documents and files in advance before you travel to the site to perform a repair or a service.





9.8 Downloading content from Info view

TruckTool asks you the serial number of the truck, after which it fetches the content information from the cloud. Then you can select one, several, or all documents and files to download.



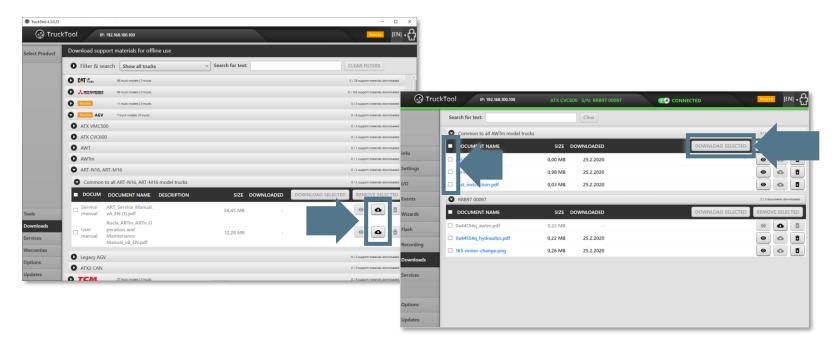


9.8 Downloads view - Downloading content

You can select one or more documents/files to be downloaded from Downloads view. For downloading, select one or more documents/files and click the cloud icon or "Download selected".

When you are **not connected** to any truck, Downloads view shows you **all downloadable content** of models and trucks to which you have access rights.

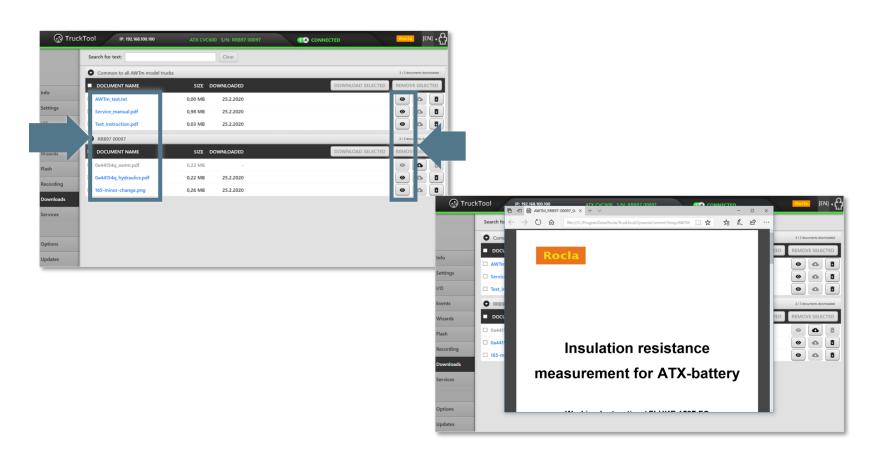
When you are **connected** to a specific truck, Downloads view shows you **only the truck-specific content** based on the serial number.





9.8 Downloads view – Viewing downloaded content

After downloading, you can view content by clicking the document/file name or the watching icon.

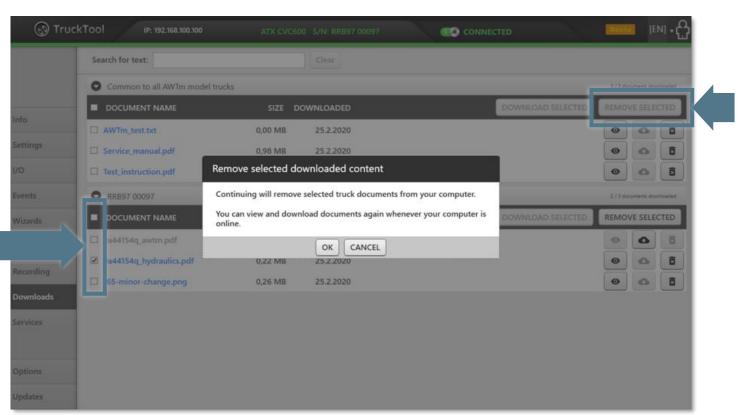




9.8 Downloads view – Removing downloaded content

All downloaded content is stored on your computer's hard disk. To free up hard disk space, you can remove selected or all downloaded content.

You can download any removed content again if needed when you have an internet connection.

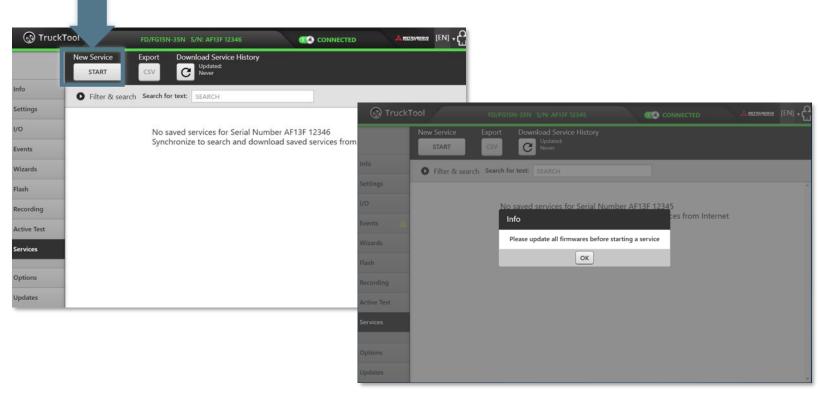




Services view is used for creating new services and viewing existing service records. Click the 'Start' button to create a new service.

Please note that this view is only available for select models.

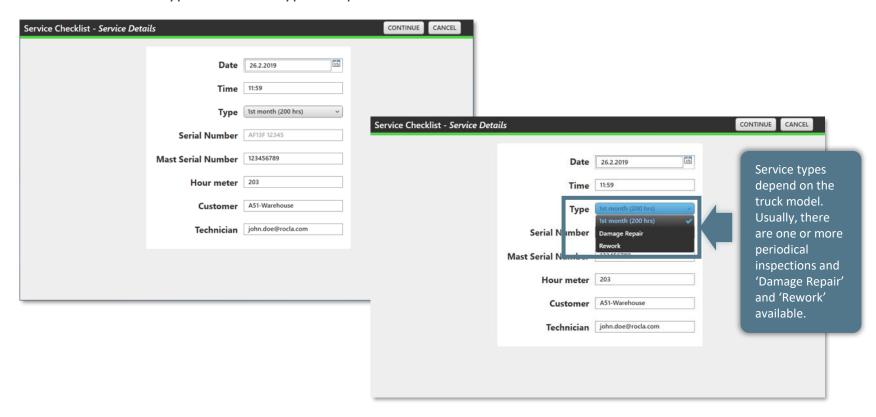
If you see an info dialog 'Please update all firmwares before starting a service', new software for the truck is available and you need to update it to the truck before continuing.





Update details for the service checklist record.

- Fill in 'Hour meter value' and 'Customer' name.
- Your username from logging in is automatically filled into the 'Technician' field.
- Select service type from the 'Type' dropdown menu.

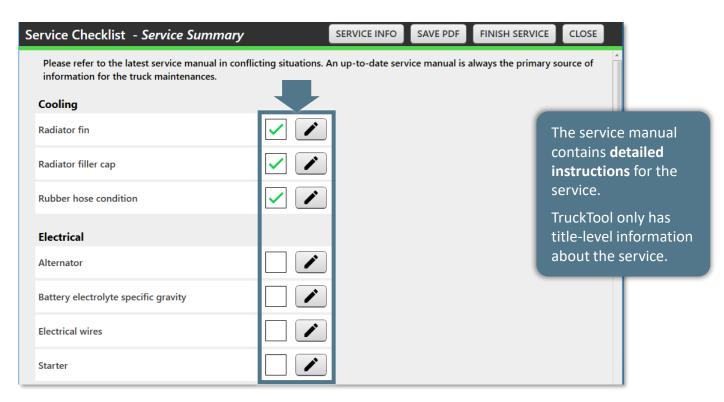




Before starting a new service, please refer to the latest service manual as it is the primary source of information for the truck service.

After a service step is completed you can check the passed checkbox.

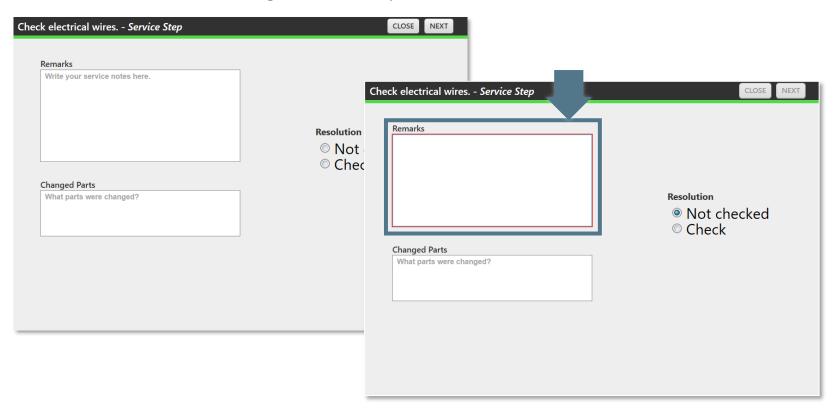
You can edit any service step by clicking the edit button





If you have issues with a service step or cannot perform service, you can add a description of the issues in the 'Remarks' field.

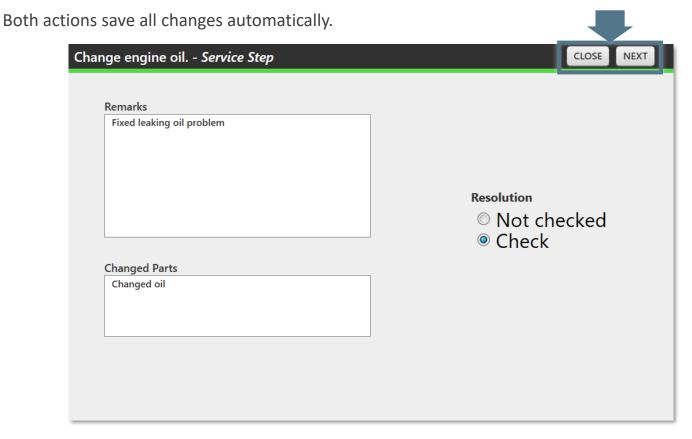
Note! If the service step resolution is 'Not checked', you *must* add the description of problems into the 'Remarks' field before moving to the next step.





You can add a description of replaced parts to the 'Changed Parts' field.

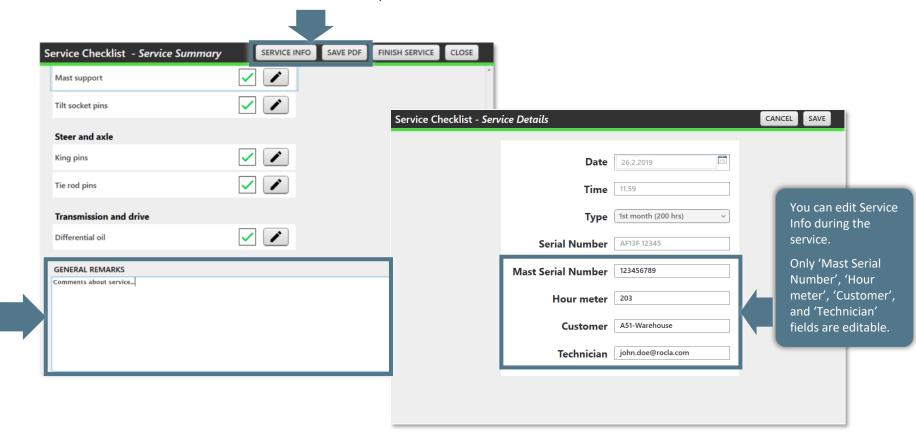
You can move to the next step by clicking the 'Next' button or close the current service step dialog by clicking the 'Close' button.





You can add general comments about the service in the 'General Remarks' field of the service summary.

You can save the service info as a PDF report.

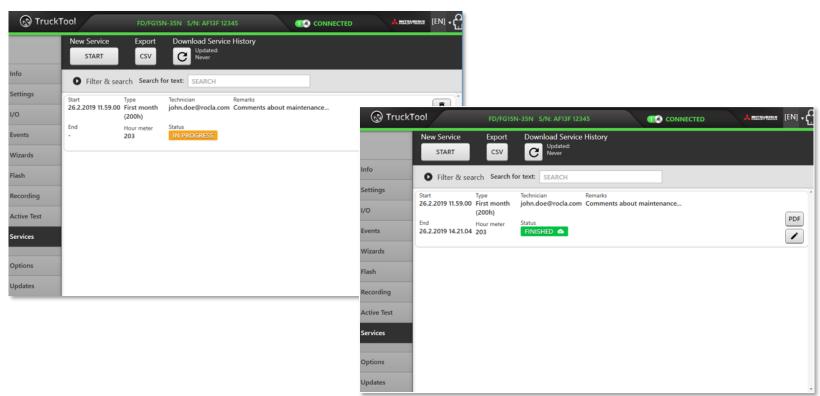




After completing the service, you can close or finish the Service Checklist.

If you click 'Close' the Service Checklist remains in an 'In Progress' state and you can continue editing it by clicking the edit button .

If you click 'Finish Service', the service record is finalized and uploaded to TruckTool data storage. The service record status is updated to 'Finished'.

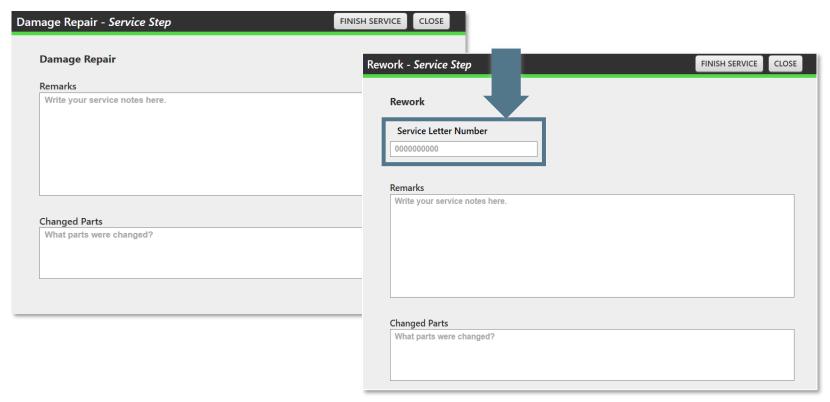




Other service step types are Damage Repair and Rework.

Damage Repair is for general fixing work. You can add comments to the 'Remarks' and 'Changed Parts' fields.

Rework is for service based on a certain Service Letter. You must add the Service Letter Number to the Rework service step.

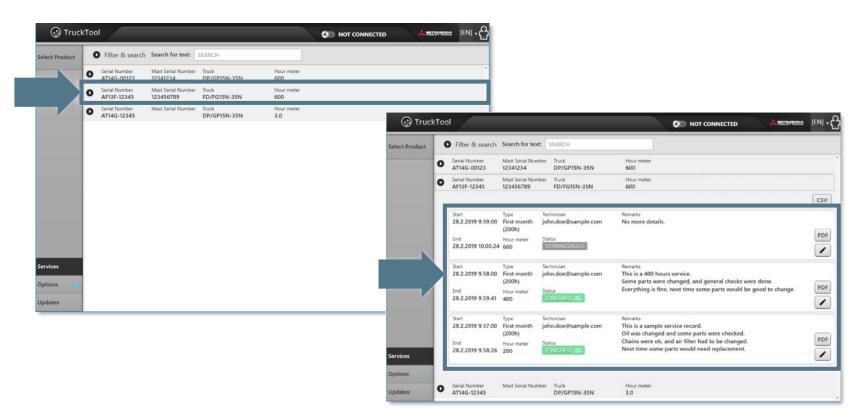




Without a connection to a truck, you can see all services done to any truck with the current computer or downloaded from TruckTool data storage.

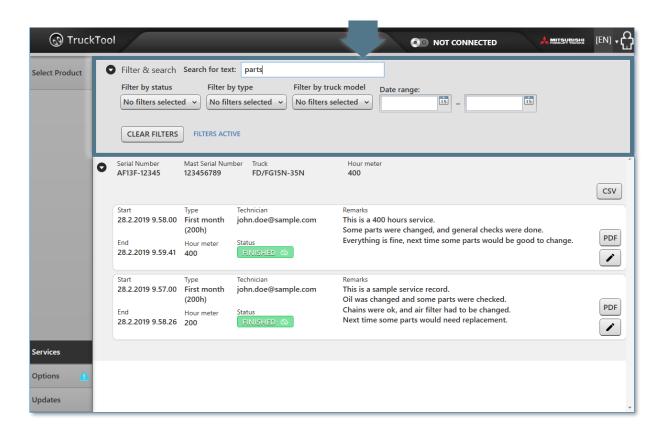
Services are grouped by truck serial number.

Click a row to display all services for a specific truck.





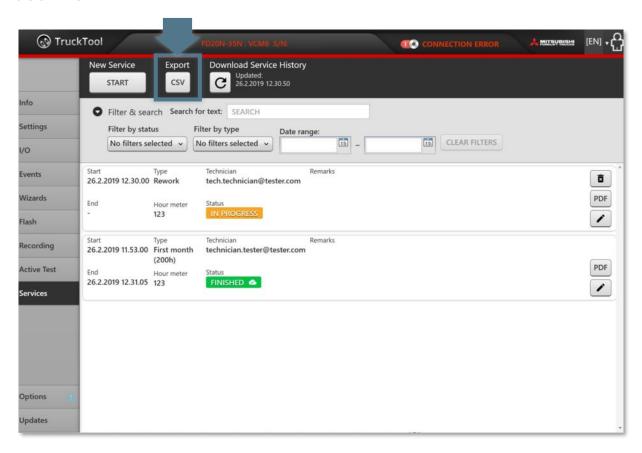
Use search to filter service records.





9.9 Services view – Export CSV

Export CSV action saves a file that contains all data from services visible on the Services view.

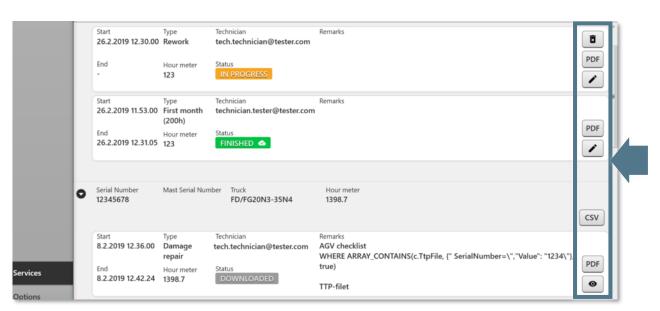




9.9 Services view - Actions

Service row contains different actions depending on the service status:

- Delete Enabled when service status is 'In progress'.
- PDF Save PDF Always available.
- CSV Save CSV file Always available.
- Edit service record Enabled for services created on the current computer.
- View For downloaded service records.





9.9 Services view – Synchronization status

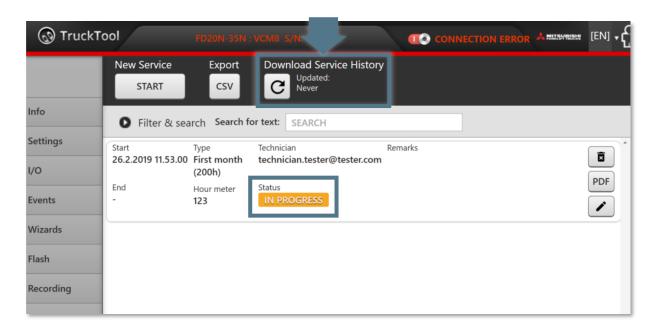
Click the download button c to get all service records of the current truck, identified by the serial number.



FINISHED 🖎 Auto-sync is not completed or not enabled. Enable auto-sync to upload.

IN PROGRESS The service is not finished.

DOWNLOADED Service record created on another computer downloaded from TruckTool data storage.





9.10 Warranties view

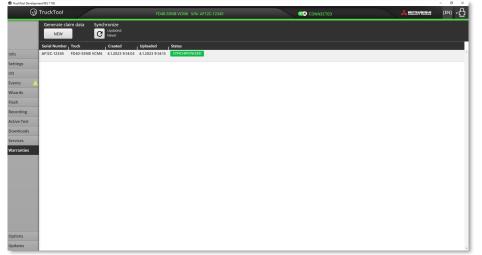
- The Warranties view is intended for producing and listing TruckTool parameter (TTP) file entries for warranty related operations.
- TTPs are a snapshot of the truck state, which help in in solving warranty cases.
- TruckTool takes a snapshot of the truck state, then produces a TTP based on it and sends it via internet for further analysis.
- The entries of TTPs can be viewed locally from TruckTool from the warranties view.
- The TTPs themselves are available with <u>Truck Data Analyzer</u> web service.

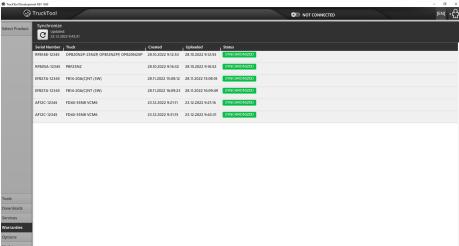


9.10 Warranties view – viewing entries

- Generated Warranty related material "Claim data" is shown in the Warranties view.
- There are 2 types of warranty views:
 - 1. **Connected**. In this view, only serial number and truck model specific entries are shown based on current truck selection.
 - 2. **Unconnected**. In this view, all the user created claim data entries are shown for all the truck models and serial numbers.

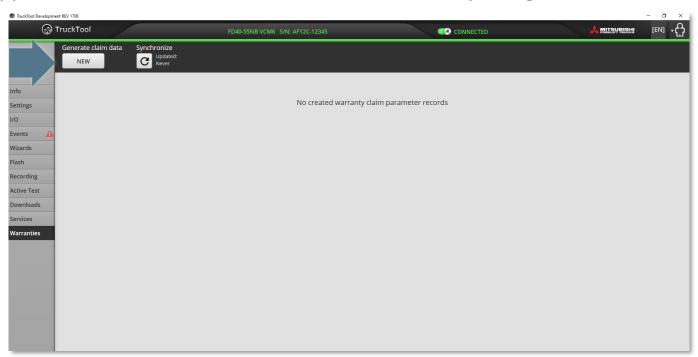
1. 2.





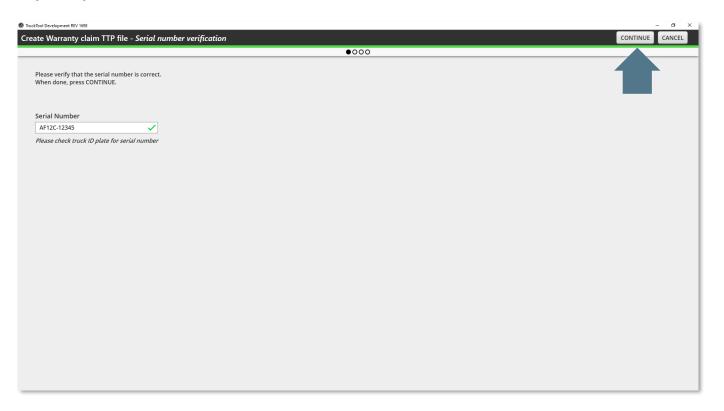


- Claim data (TTPs) can be generated for almost all models in TruckTool.
- For generating claim data, user has to connect to a specific truck model.
 The functionality is not available when unconnected.
- Select the "Warranties" view from the left navigation panel. Click the "NEW" button in upper left corner of the view to start the Warranty TTP generation wizard.



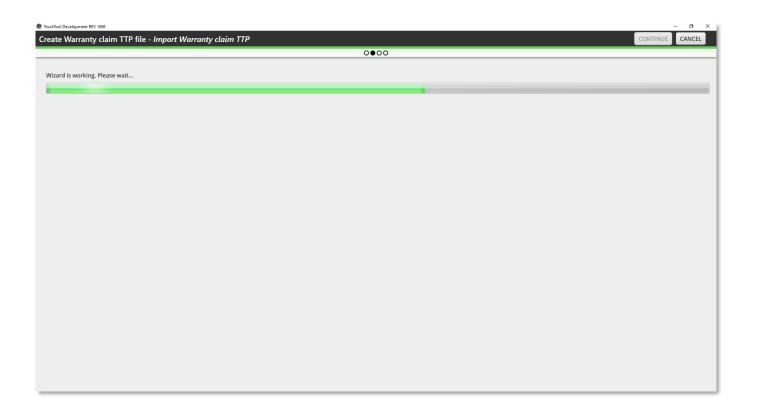


- Confirm the serial number or revise it if it is incorrect. The serial number is tagged to the generated TTP.
- Afterward, press "CONTINUE" on the upper right section of the view to move onto the import phase.



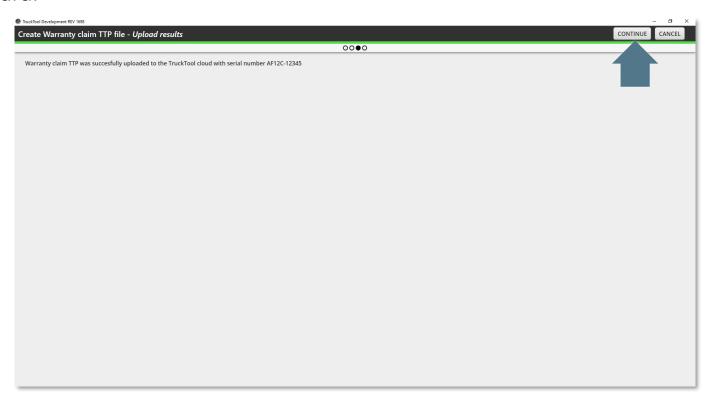


• The importing of the parameters is started. Wait here until it is finished.



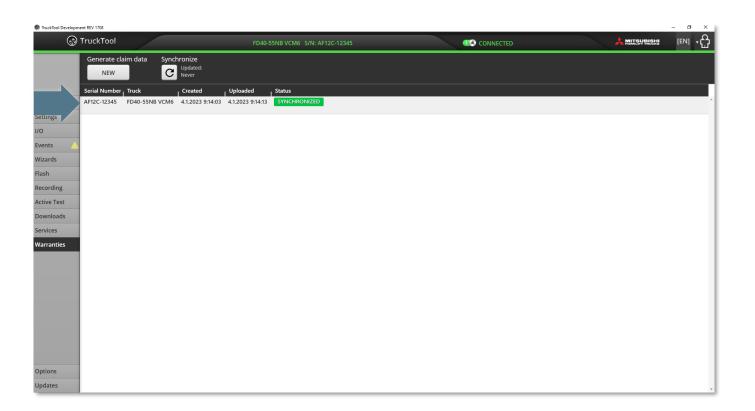


 After the importing of the truck's parameters, the sending status of the generated TTP is shown. Press CONTINUE button, and FINISH button afterward to end the wizard.



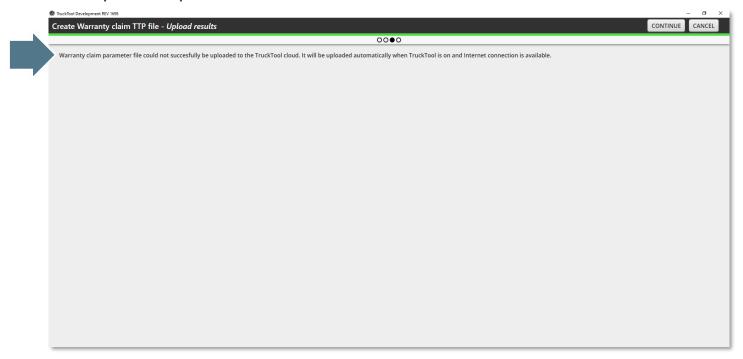


• After finishing the wizard, the user is taken back to the Warranties view. It has been updated with the information regarding the generated TTP.



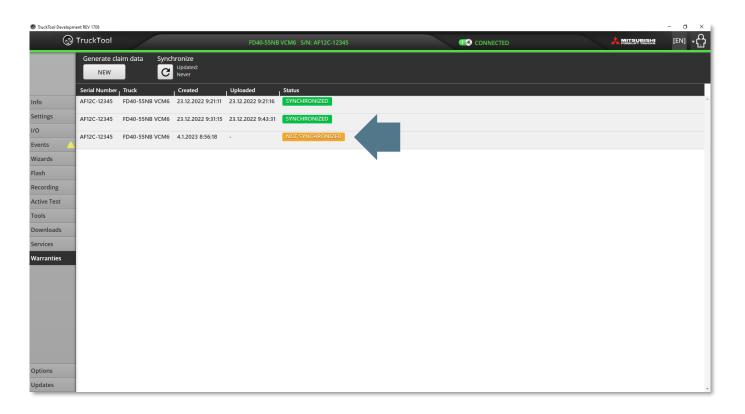


- If the internet connection is not immediately available when the TTP is needed, the warranty TTP wizard can be run anyway, and the generated file will be stored into the PC's file system.
- In such a case, the user is shown a result indicating a missing internet connection after the Import step:





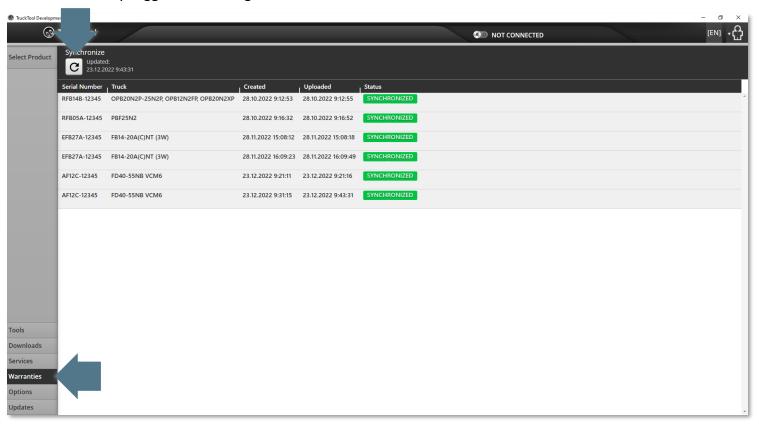
 After finishing the wizard, user is taken back to the warranties view. The sending status is shown to the user.





9.10 Warranties view – General warranties view

- All the user generated warranty TTPs can be seen in the "General" Warranties view as well. This can be accessed when
 not connected to a truck model in TruckTool. The navigation button to the view is available in the lower left side of the
 navigation panel with the name "Warranties".
- The view shows all the user generated warranty TTPs from different truck models. The "Synchronize" button can be
 used to manually trigger the sending of the data that is unsent.

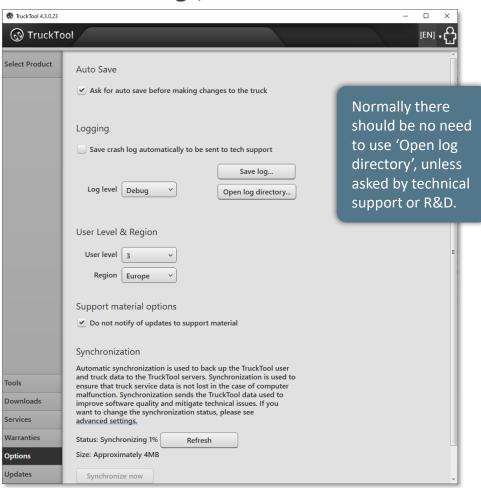




9.11 Options view

In Options view, you can change TruckTool settings, such as:

- Enable or disable the Auto Save prompt
- Change logging level
- Save a log to a specific folder
- Open log directory
- See synchronization status and manually synchronize if needed





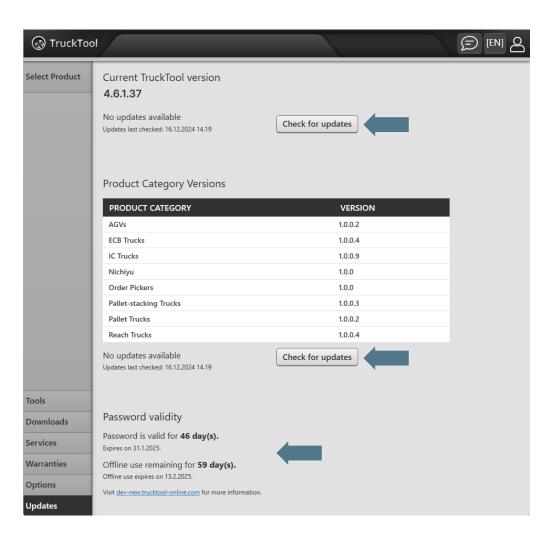
9.12 Updates view

In the Updates view, you can:

- Check for TruckTool updates manually
- Check for Product Category Versions and their updates manually
- View remaining password validity and offline usage periods

At startup TruckTool automatically checks for updates in the background whenever an internet connection is available.

Product category versions are automatically updated to the latest available version at TruckTool startup.

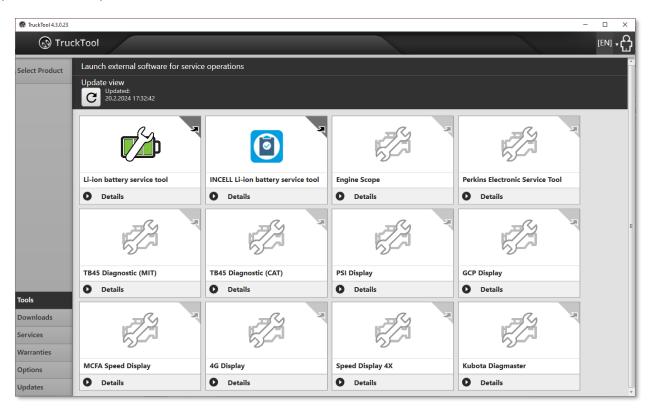




9.13 Tools view

Tools view contains launchers for various external tools. These tools are programs that can be used to further service the truck.

In this view, you can download tool packages from the TruckTool cloud to your computer's hard drive, install them, and run them once installed.





9.13 Tools view

- Tools view contains launchers for various tools.
- Tools are separate programs that are independent from TruckTool.
- Some of the tools are included in the TruckTool installer and can be used without a separate installation.
- Some of the tools are downloadable tools:
 - Downloadable tools are not included in the TruckTool installer but instead can be downloaded from TruckTool cloud.
 - This saves space on your hard drive, as you can only download and install tools that are needed.
 - Each available downloadable tool can easily be updated from the cloud without a new TruckTool installation required.
- When you are not connected to any truck, Tools view shows you all tools of models to which you have access rights.
- When you are connected to a specific truck, Tools view shows you only the model-specific tools.



9.13 Tools view – Downloading tools

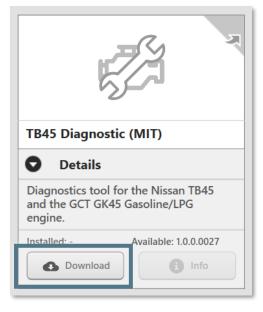
You can download a tool from the tool's tile using the Download button.

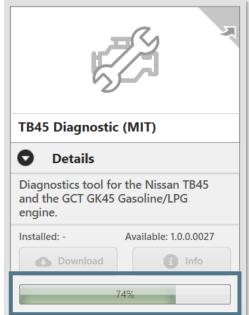
This button is only enabled when a tool package is available.

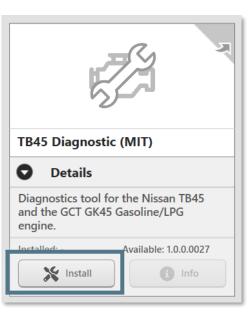
A progress bar is visible during the download.

Once the download is finished, the progress bar is hidden, and you will see an Install button instead of the Download button.

If multiple versions of the tool are available in the cloud, the latest one will be downloaded.







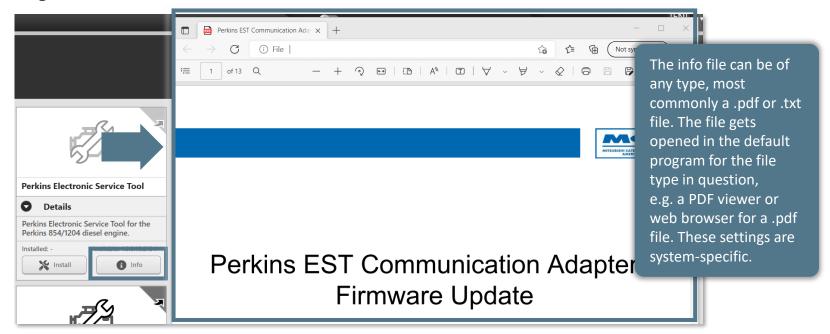


9.13 Tools view – Viewing info

You can view important information about a downloadable tool using the Info button.

This button will open either an info file or a folder inside the downloaded package. The button is enabled if the package has been downloaded and has an info file or a folder specified. Some tools may not have any info file/folder available.

Viewing an info file:



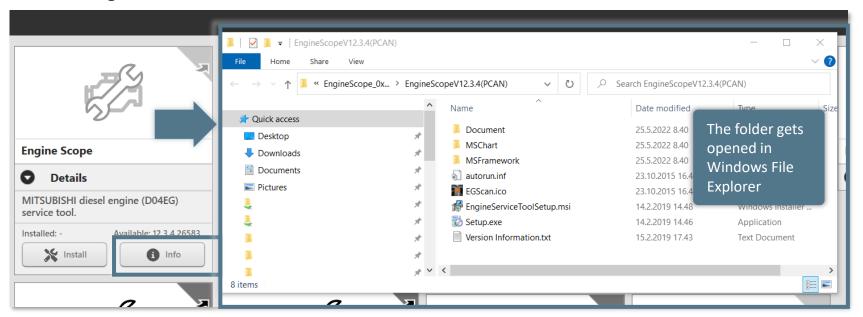


9.13 Tools view – Viewing info

Some tool packages may contain accompanying software such as drivers. Such tools will usually open an entire folder from the Info button.

This allows you to browse the entire folder structure of the downloaded package, read manuals and instruction files, and install necessary drivers. It is recommended to check these contents before running the installer from TruckTool.

Viewing an info folder:





9.13 Tools view – Installing tools

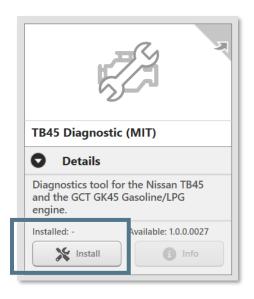
You can install a tool from the tool's tile using the Install button.

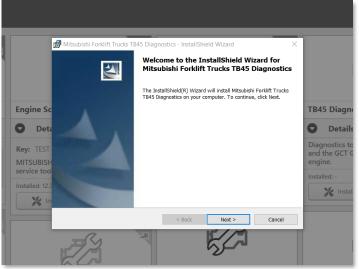
This button is only enabled when a tool package is already downloaded. The button will launch the installer from the downloaded package. Using TruckTool will be disabled during the installation.

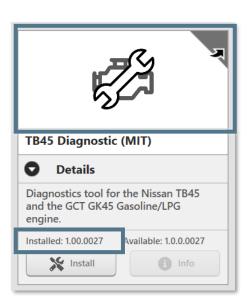
Click 'Yes' if the system asks for permission to run the installer.

If an installer won't start, try running TruckTool as an administrator.

If an installation is successfully completed, the Installed version field should change to a non-empty value and the engine icon should become darker.







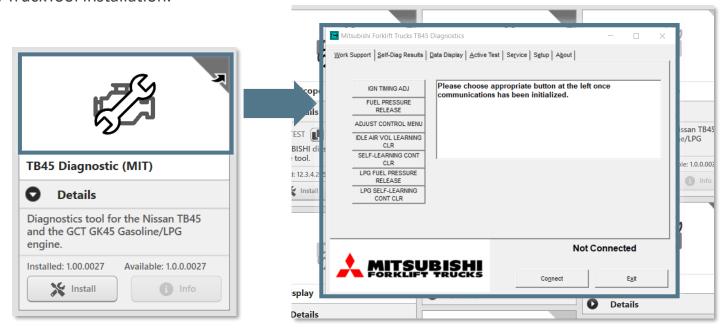


9.13 Tools view – Launching tools

You can run a tool by clicking the launcher area.

The launcher area for **downloadable tools** has an engine icon. The **non-downloadable tools** have different icons but can be launched from this area as well. The tool program is opened in a new window.

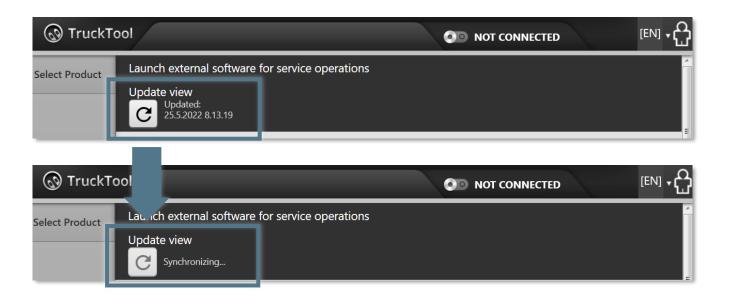
Only tools that are successfully installed can be launched. Installed downloadable tools can be identified from the non-empty Installed version field and the darker icon. If a tool doesn't need installation, it can be launched instantly after downloading. This also includes the non-downloadable tools that are included in the TruckTool installation.





9.13 Tools view – Synchronizing

The tools view gets updated with the latest available packages at each TruckTool startup. You can also synchronize the view manually from the top bar button c, which queries available tools from the cloud.



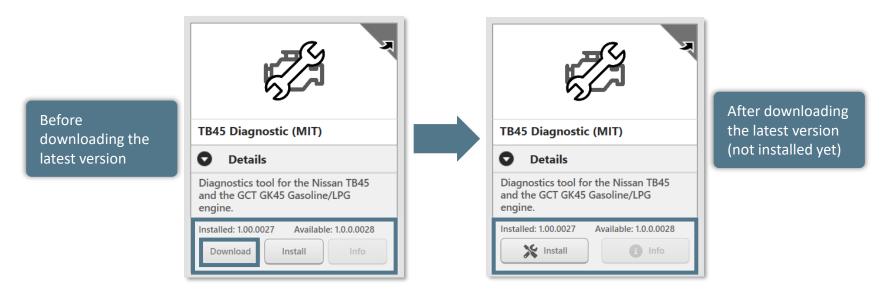


9.13 Tools view – Updating tools

If a tool has been downloaded and installed before, and a newer version is available in the cloud, this can be detected from the difference in the Available/Installed version fields.

The Download button always downloads **the latest available version**, so you can download and install the tool as instructed previously. This will update the tool.

Note: Before the new package has been downloaded, both the Install and Download buttons are visible. The Install button runs the installer for the **previously downloaded version**, while the Download button downloads the latest version. After downloading the newer package, only the Install button is visible and will run the installer for the **latest downloaded version**.





10. User interface notifications

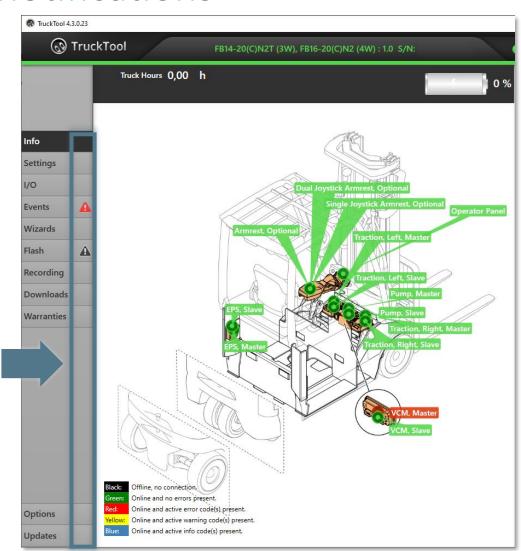
Settings view – Parameter value is changed in TruckTool, but not yet saved to the truck.

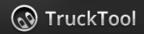
Events view – Color indicates the status of the most critical active event.

Flash view — One or more controllers in the truck lack the latest software version.

Services view – One or more service records are not synced to the TruckTool data storage.

Options view – Data needs to be synced to the TruckTool data storage; auto-sync is off.





11. Including truck data in a technical support request

If you have a problem with a truck you cannot solve by yourself and you need to contact technical support, include a TTP file in the support request.

You can save the TTP file in the Settings view.

