

VF TUNER

Installation Guide

Version 1.3.0

Support: Support@ovtune.zendesk.com

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1.0. INTRODUCTION

1.1. Convention

VF tuner is a Toyota calibration tools developed by Ovtune. The software supports calibrations for the following Toyota models:

- | | | |
|---------------------|----------------|----------------------|
| ✓ Camry 2018 | ✓ Land Cruiser | ✓ Tacoma |
| ✓ GS200T | ✓ Lexus ISF | ✓ Tacoma 2.7L |
| ✓ GSF | ✓ NX200T 2015 | ✓ Tundra |
| ✓ GX | ✓ Prado | ✓ Tundra 4.6 |
| ✓ IS200T 2015 | ✓ RC200T 2015 | ✓ Tundra 07-17 |
| ✓ IS350 2018 | ✓ RCF | ✓ Tundra 2019 |
| ✓ Kluger Highlander | ✓ Scion TC | ✓ VellFire 3.5 2018+ |

This manual covers the installation and configuration for VF Tune software. The information in this manual supersedes any software installation information in the previous releases.

1.2. Copyright and trademarks

This software is the property of OVTUNE LLC copyright 2019-2021

2.0. GETTING STARTED

2.1. Operating Systems

This software may be installed on Windows 7, Windows 8, Windows 10 systems. Any or all versions of the software may be installed on Windows 7, 8 or 10 systems including 32 bit and 64 bit Windows distributions.

3.0. INSTALLATION GUIDE

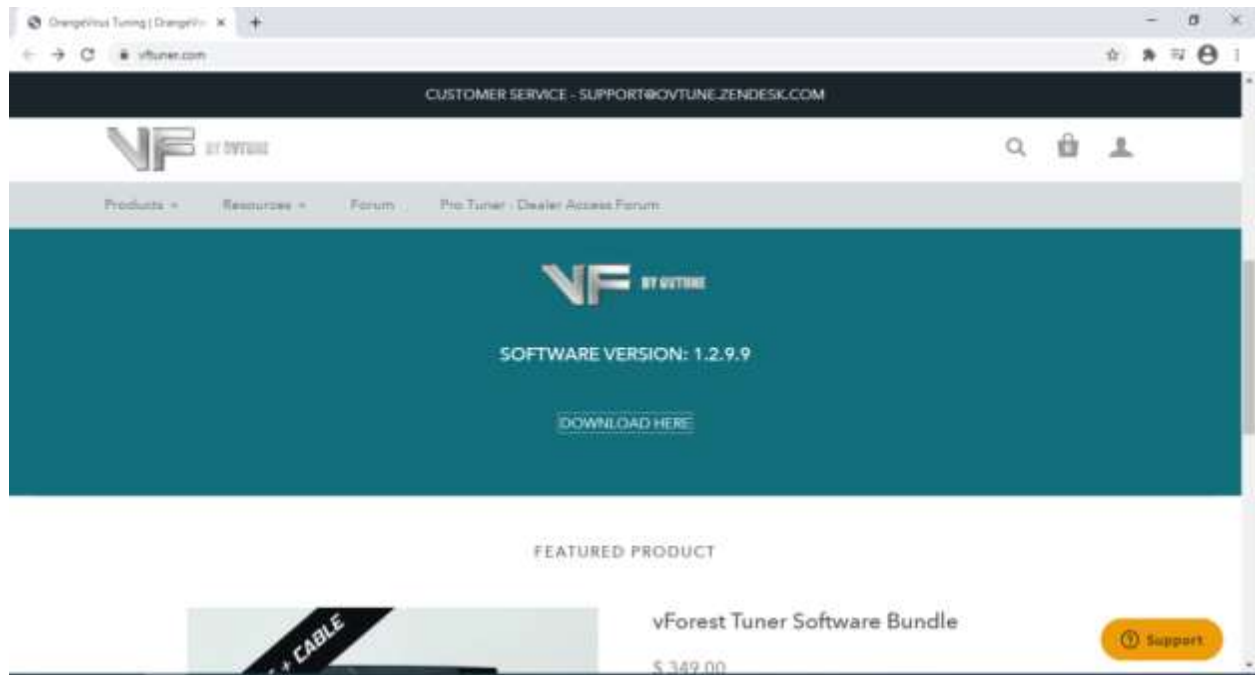
3.1. Installation from web

The software must be downloaded from our main website <https://vftuner.com/>.



Downloading the software from other sources is not advisable as those untrusted sources may contain malicious program that may harm your computer.

1. Navigate to our website <https://vftuner.com/> , scroll to the centre of the page and click on the “[DOWNLOAD HERE](#)” link as shown below

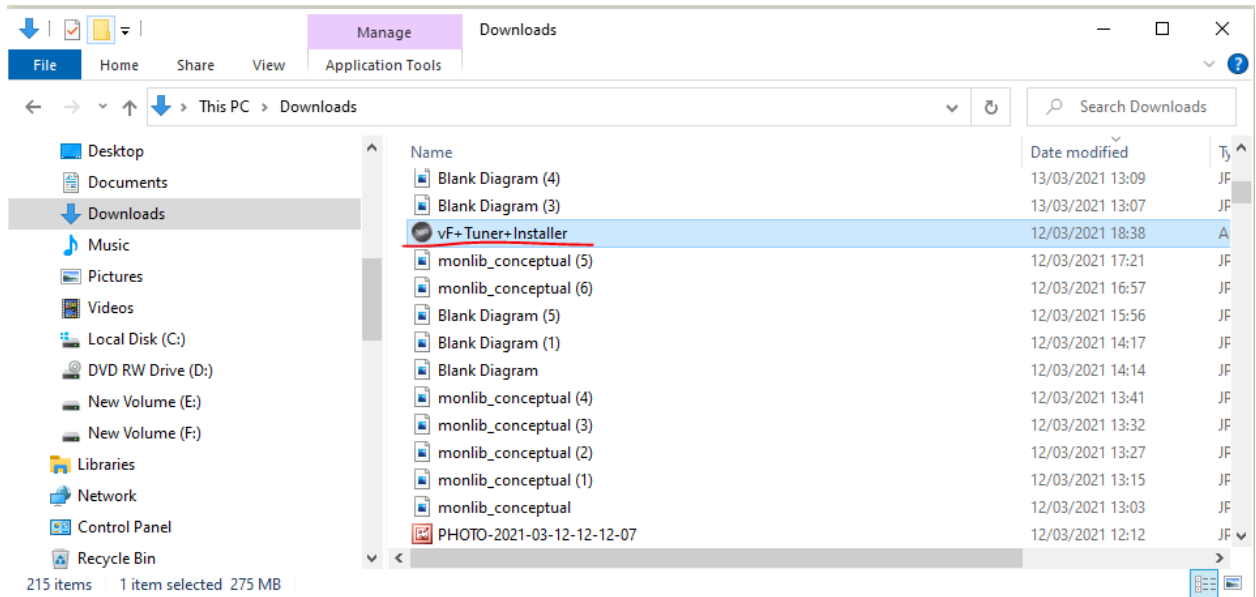


The software will be downloaded and saved into your computer download directory in .exe format.



Pronounced dot e-x-e, this is the standard extension for installation files on Windows computers

2. After download in complete, navigate to the downloads directory
3. Locate the .exe file named “vF+Tuner+Installer”



4. Double click on the installer to begin the installation process

i

If you are running Windows 8 and above, Windows Defender may try to block the installation process. On the popup that shows immediately after double clicking on the .exe, click on “More info” button and then “Run anyway”

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

[More info](#)

Don't run

→

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

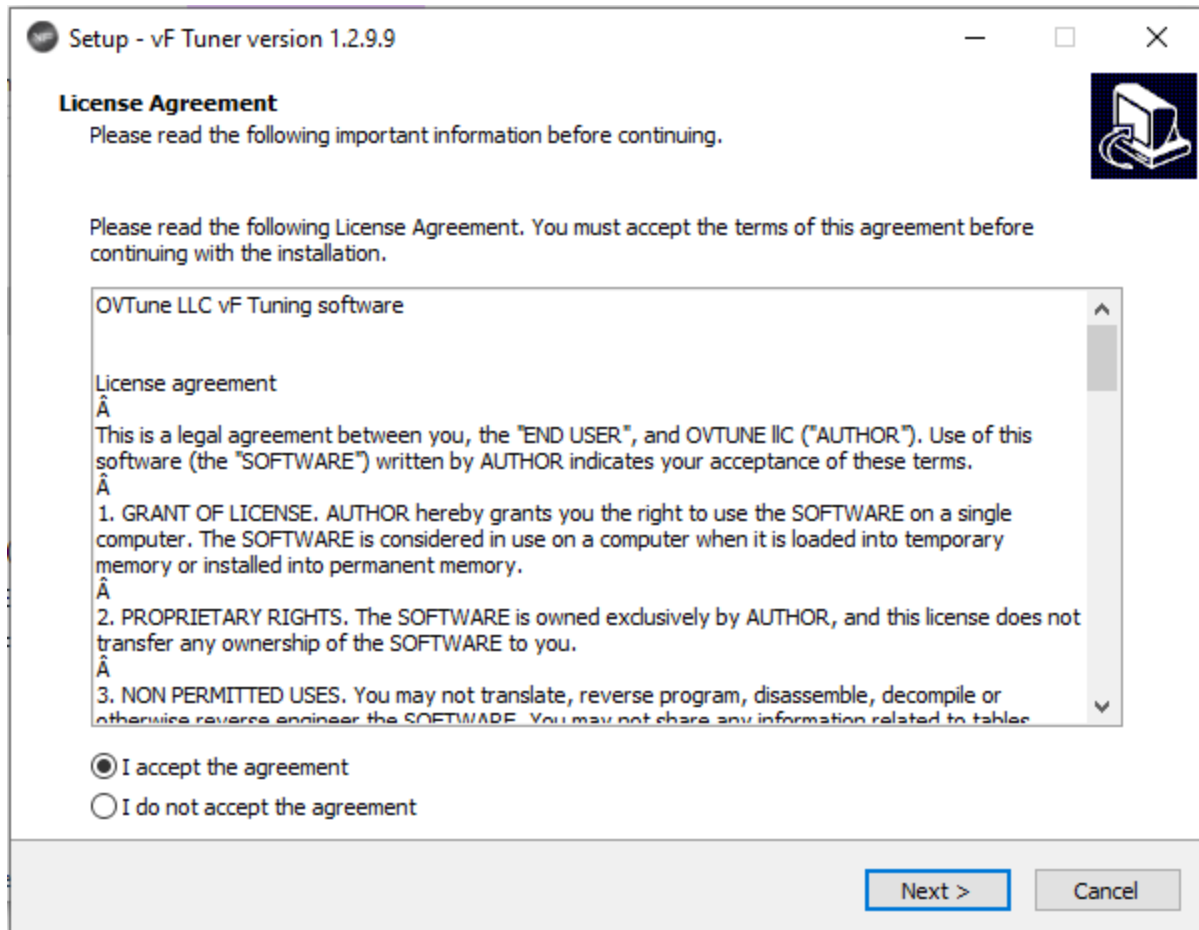
App: vF+ Tuner+Installer.exe
Publisher: Unknown publisher

Run anyway

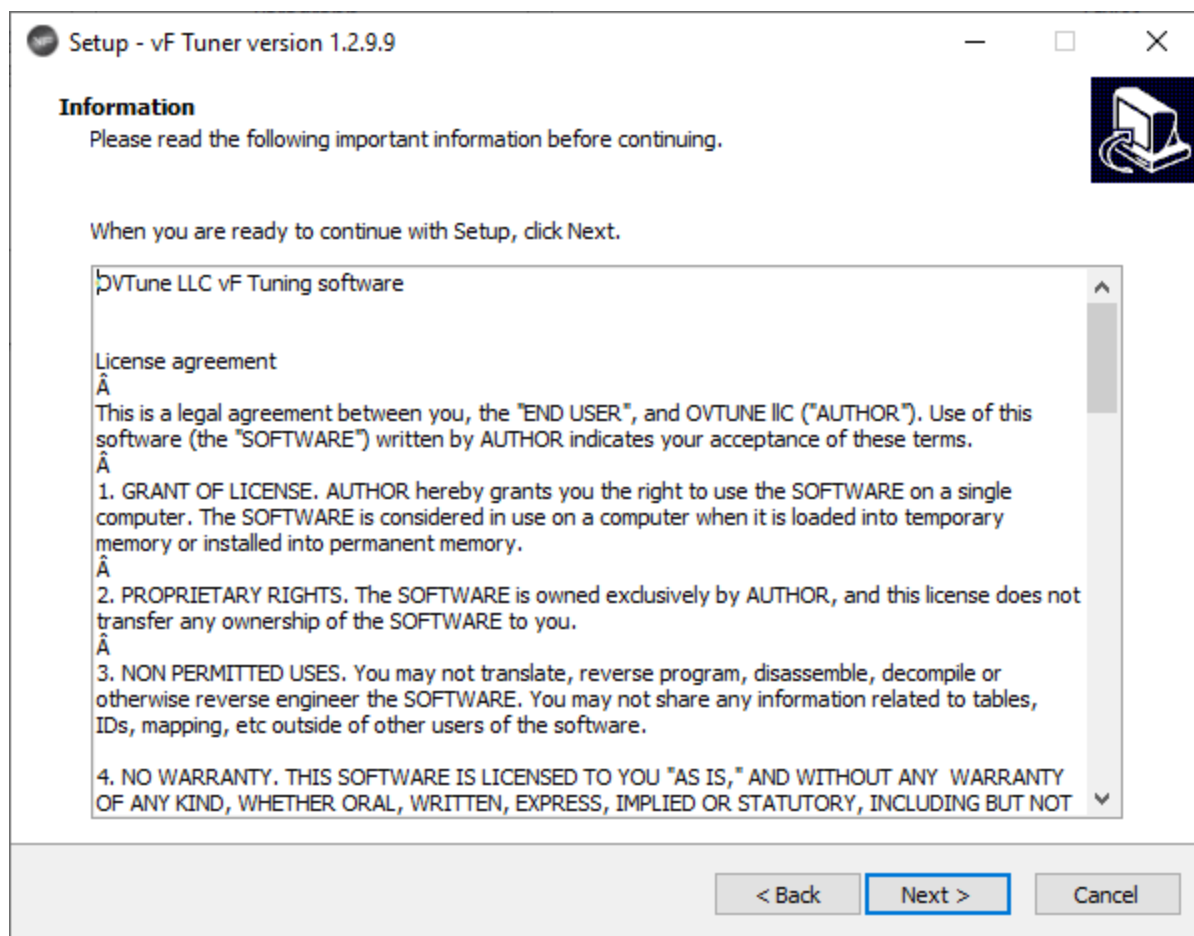
Don't run

button. As shown below

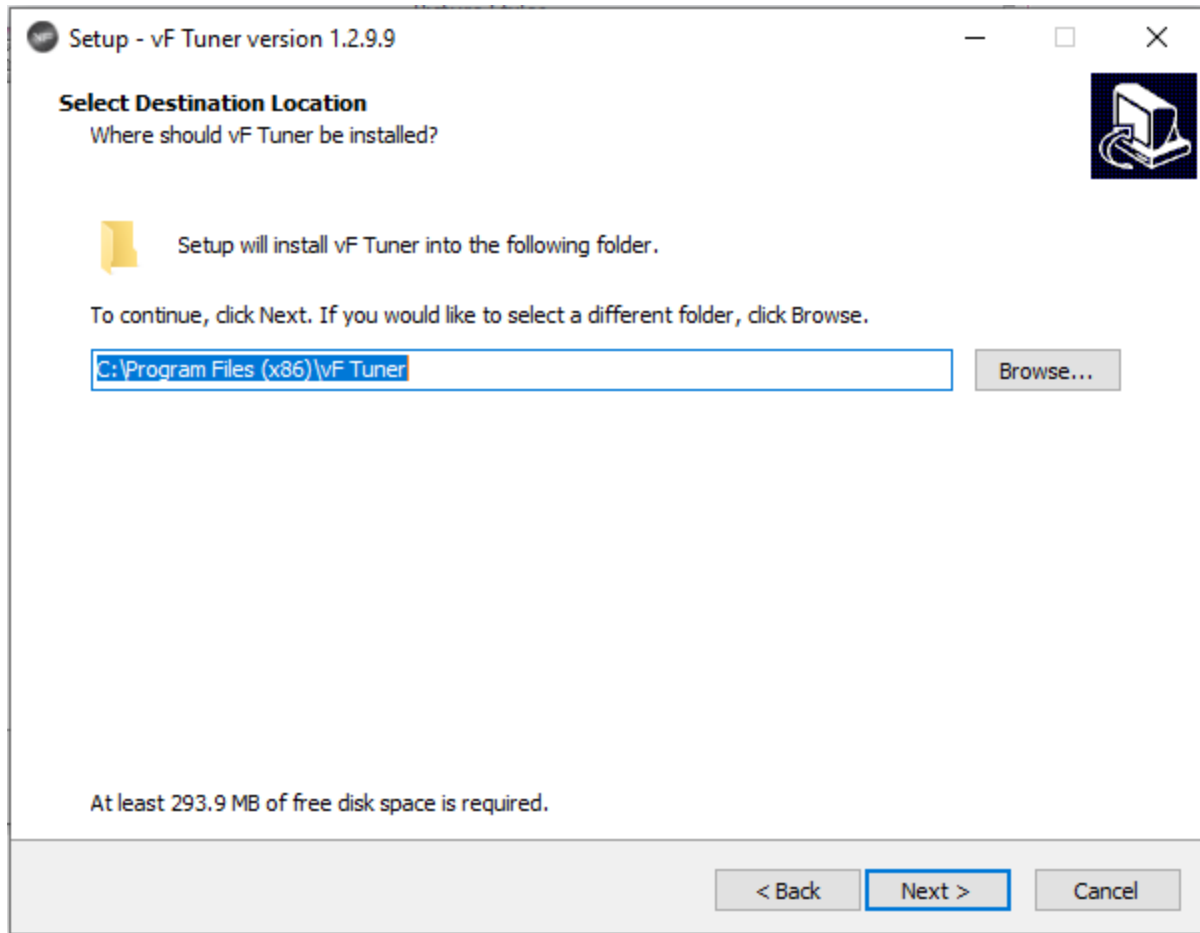
5. On the next popup window, click on the “I accept the agreement” and then the “Next” button.



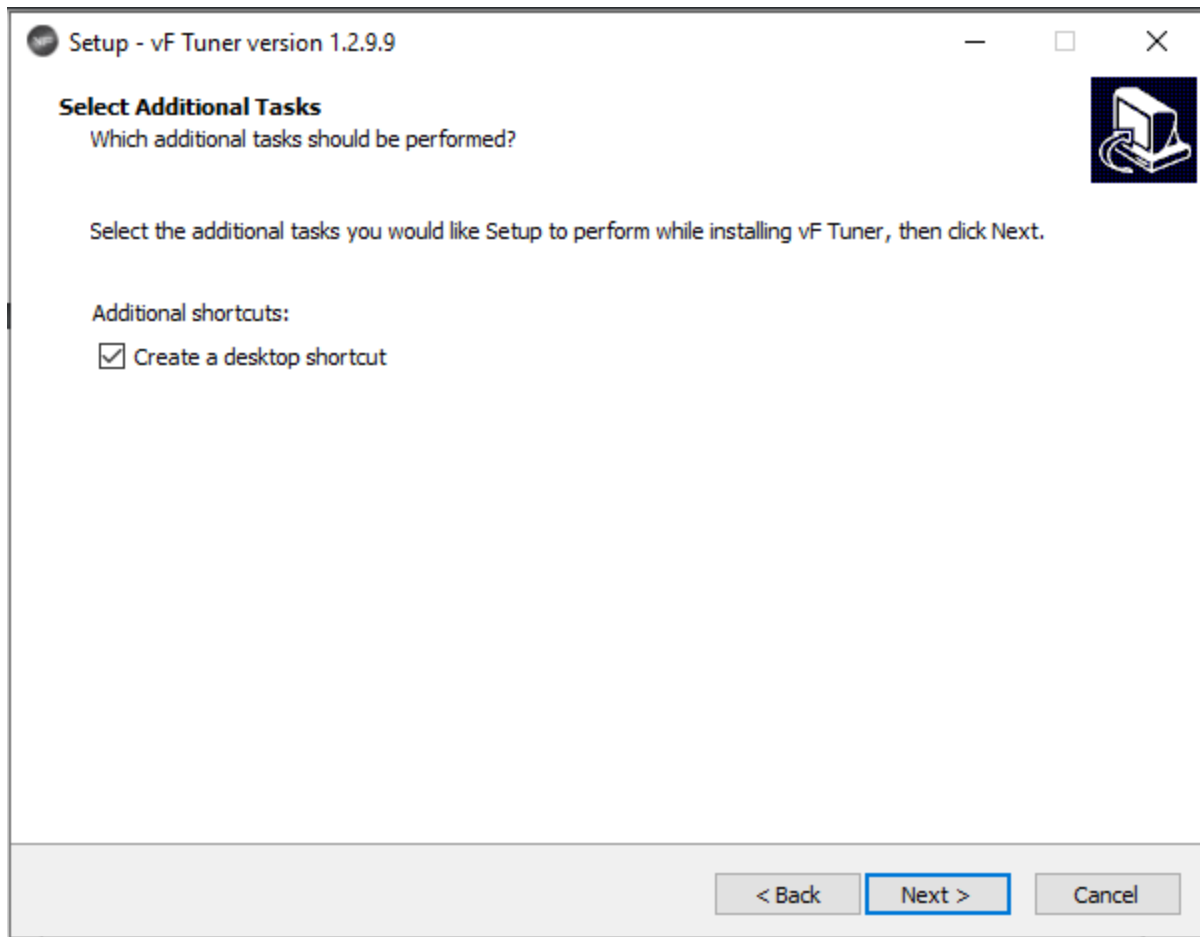
6. Read through the software license and then click "Next" button



7. On the next page, we recommend you to retain the current installation path (C:\Program Files (x86)\vF Tuner)



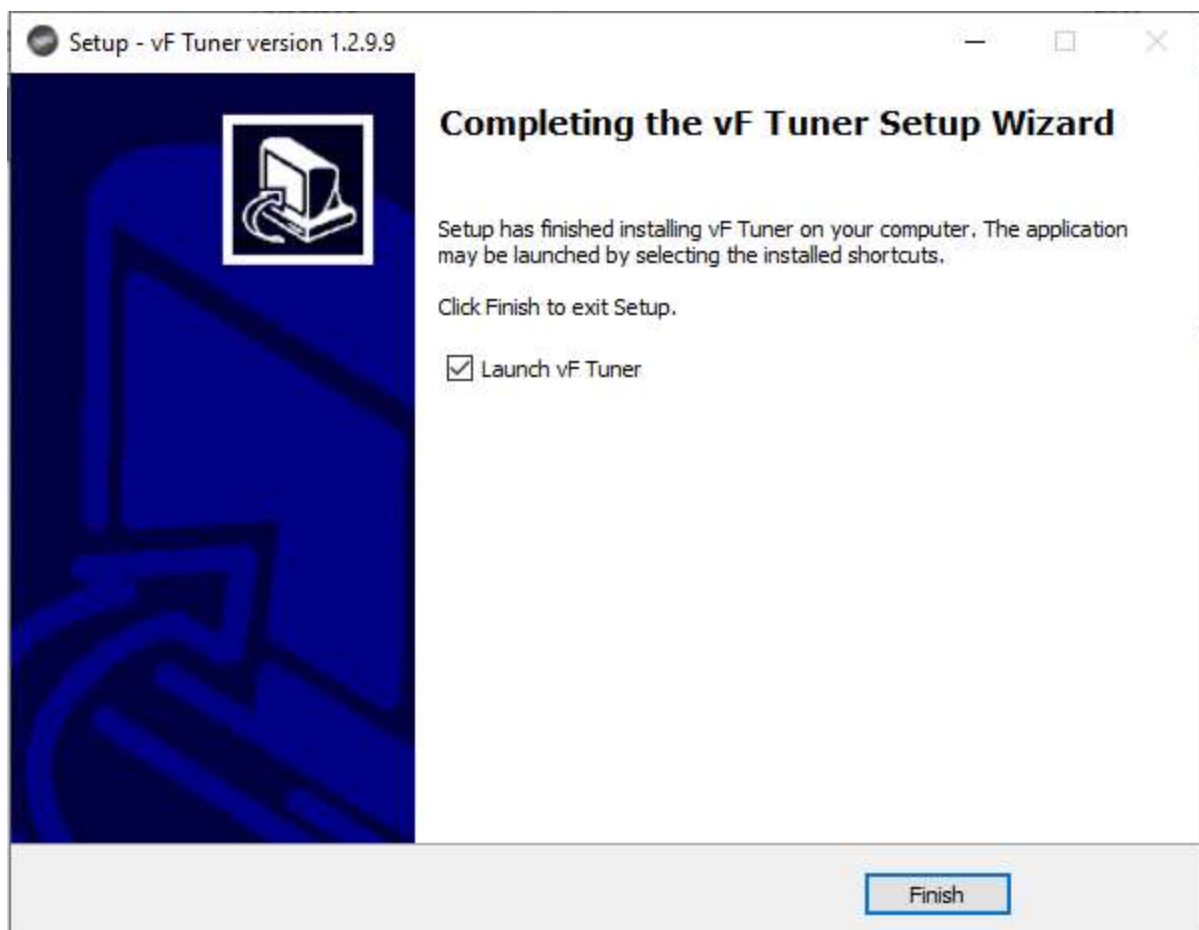
8. On the next page, select and check “Create a desktop shortcut” for quick access on your desktop. You can also leave the check box blank to skip creating a desktop shortcut



9. Click on “Install” button

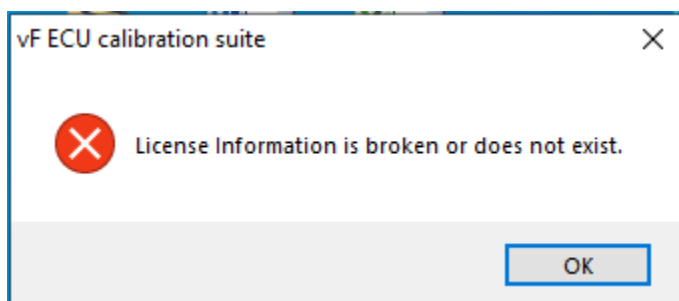
Please wait for a few seconds as the software is installed on your computer

10. Finish the installation by clicking on “Finish” button. This will automatically launch the VF tuner program



3.2. VF tuner Registration

1. After a successful installation, the software must be registered. Launching the program for the first time will prompt you to do so.



2. Click the “Ok” button to continue to the registration
3. On the next screen, if you are registering the program for the first time,
 - i. Make sure you are connected to the internet
 - ii. Have sure you have a valid email address

- iii. Make sure you have access to the email address in 3.(ii) above
4. Fill in the email, your preferred password and a username. You will receive your Master Key information by email. We will send the information to the email you used to make the order. Please be sure to check your spam folder

**NOTE:.**

You CANNOT change the username or the password that you create.

You MUST use the same username and password if you want to install the software onto a different machine.

DO NOT FORGET YOUR USERNAME AND PASSWORD.

vF ECU calibration suite on-line registration

If this is your first time installation a new account will be automatically created for you based on the provided User Name and Password. Please remember the Password as it will be needed later to work with Credit Server (to request more credits, unlock BIN IDs, etc).

Master key (Serial key)

EJ3R4-HT5KK-N0BW7-8QHY5-UK06

Email

example@email.com

Password

vftuner

User Name

HP

Register Cancel

5. Press “Register” button to complete the registration.

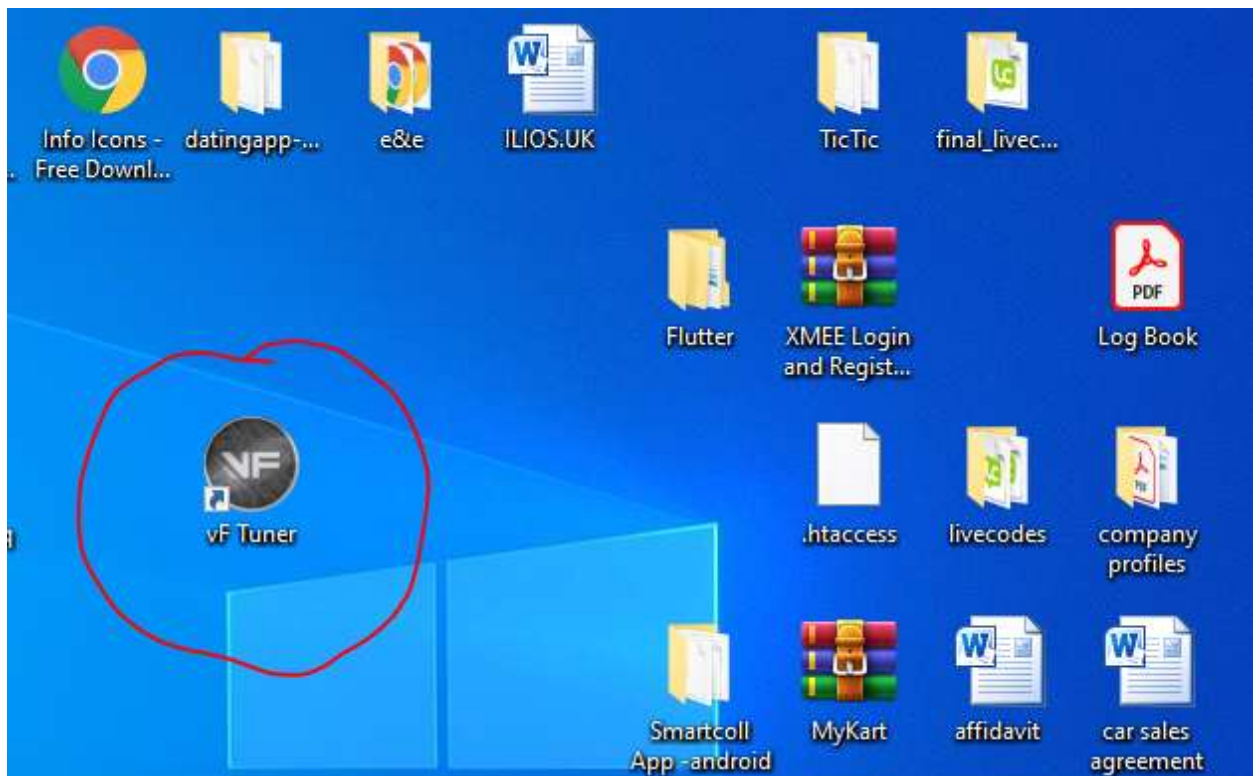
4.0. DRIVERS INSTALLATION

After installation, the next step is to install the program drivers. Make sure you have internet connection on your computer.

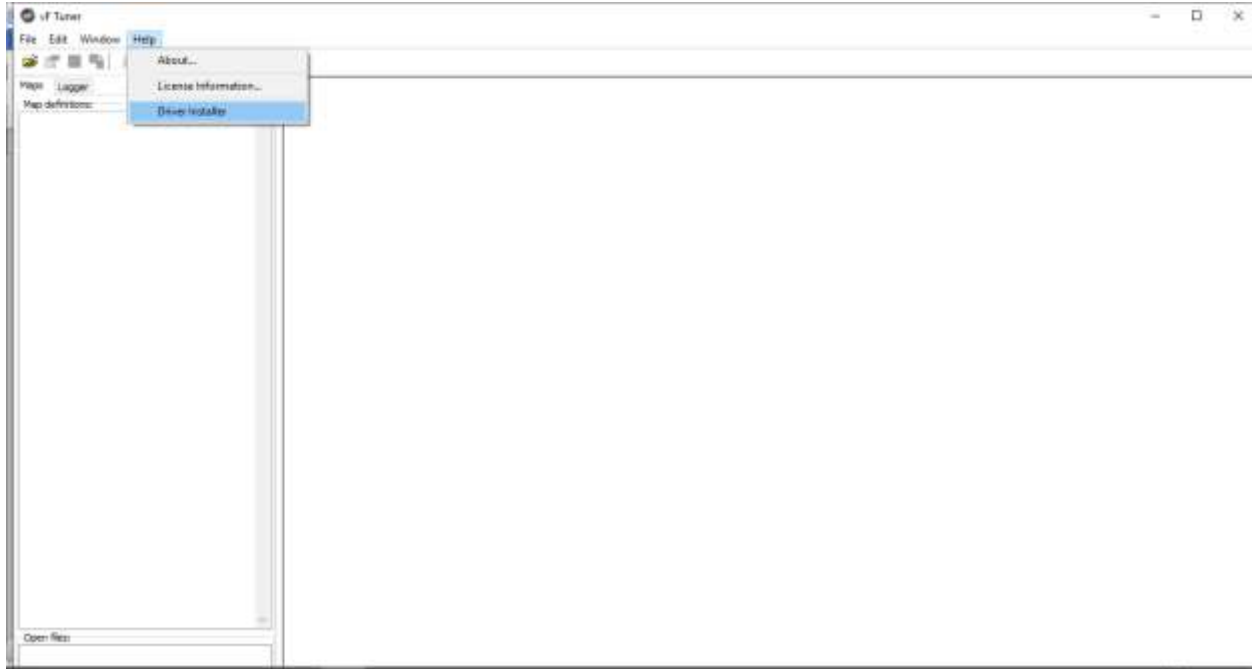


Drivers are software component that lets the operating system and a device communicate with each other.

- 4.1. Open the software by double clicking on the software shortcut icon “vF Tuner” on your computer desktop.



- 4.2. On the software menu, Click Help→Driver installer



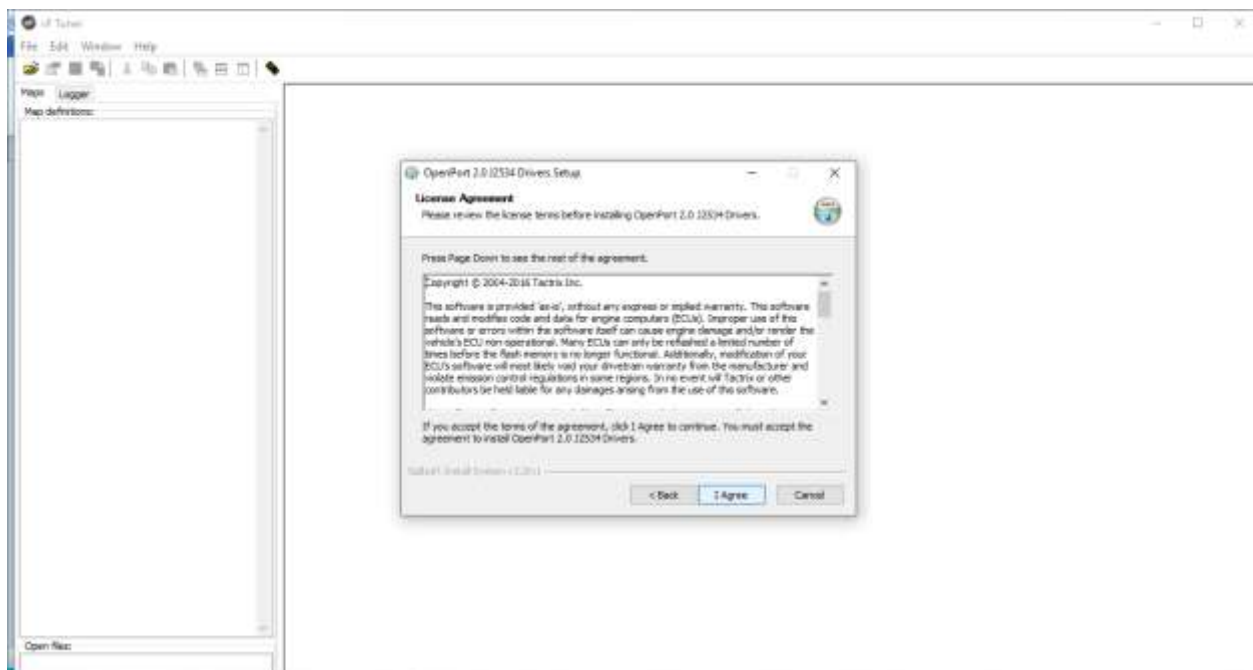
When you press “Driver Installer” menu, a popup will show asking for permission to install the drivers. Press “Yes” to continue with the installation.



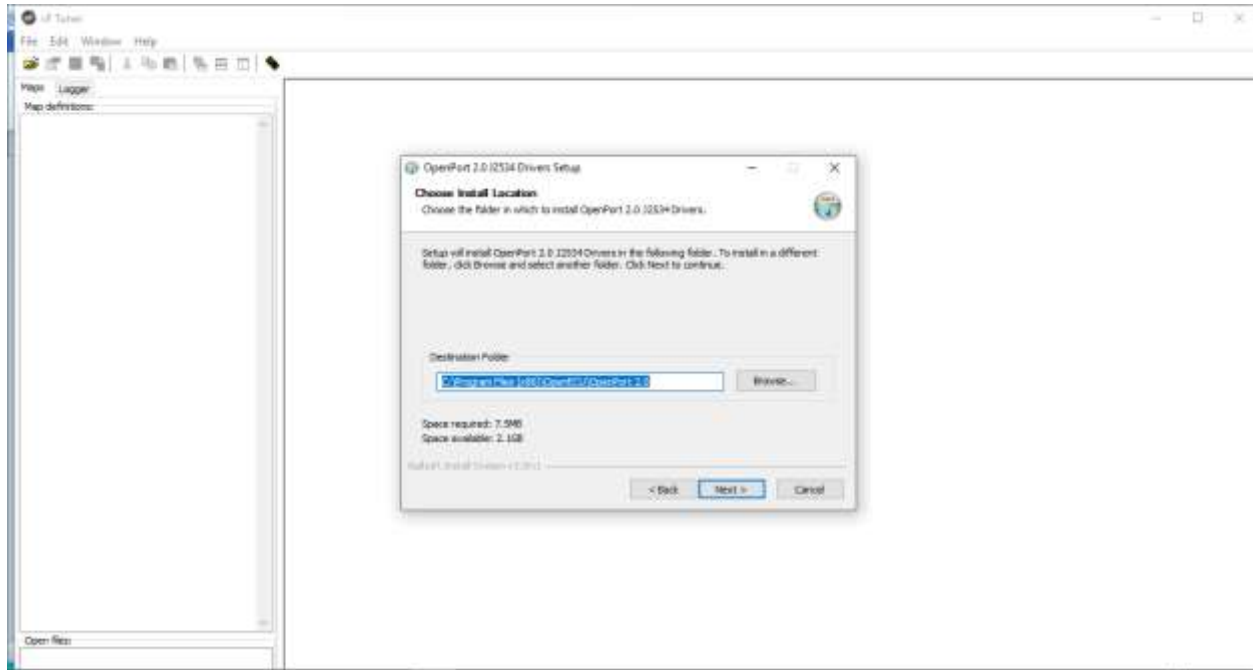
- 4.3. After 1 second, a software installation wizard pops up. The wizard will guide you through the installation of OpenPort 2.0 J2534 Drivers.



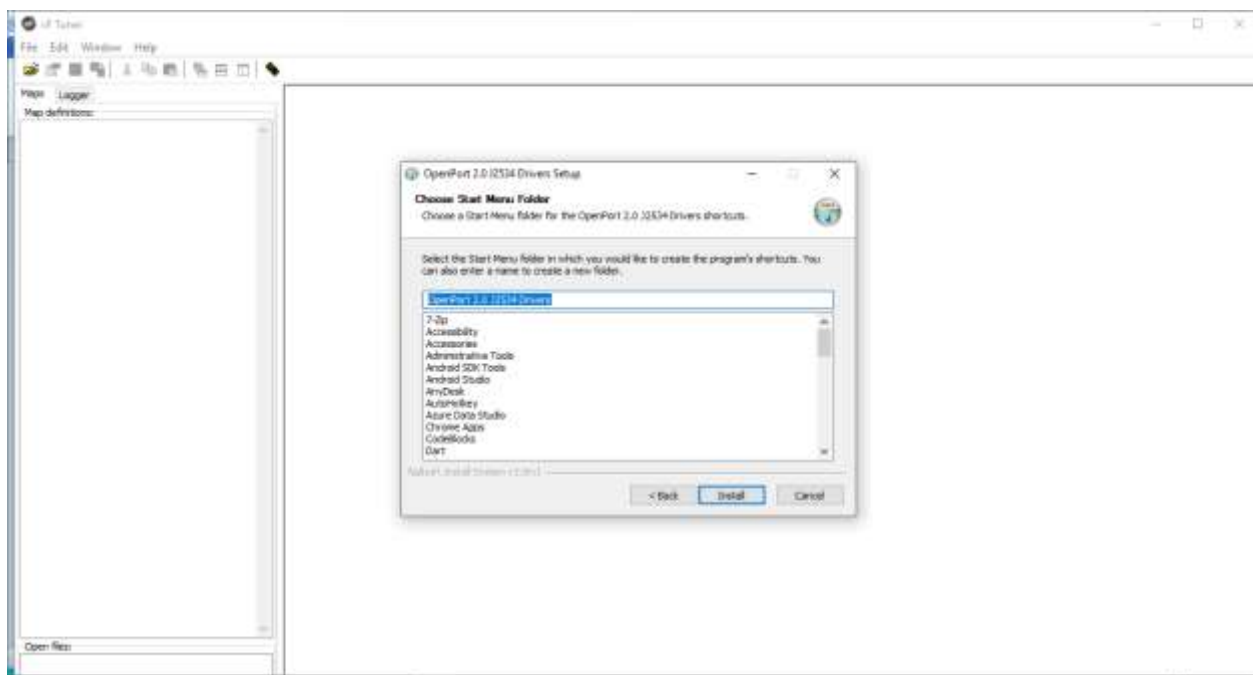
- 4.4. Click “Next” button
- 4.5. Go through the driver’s license agreement and then Click on “I Agree” to continue



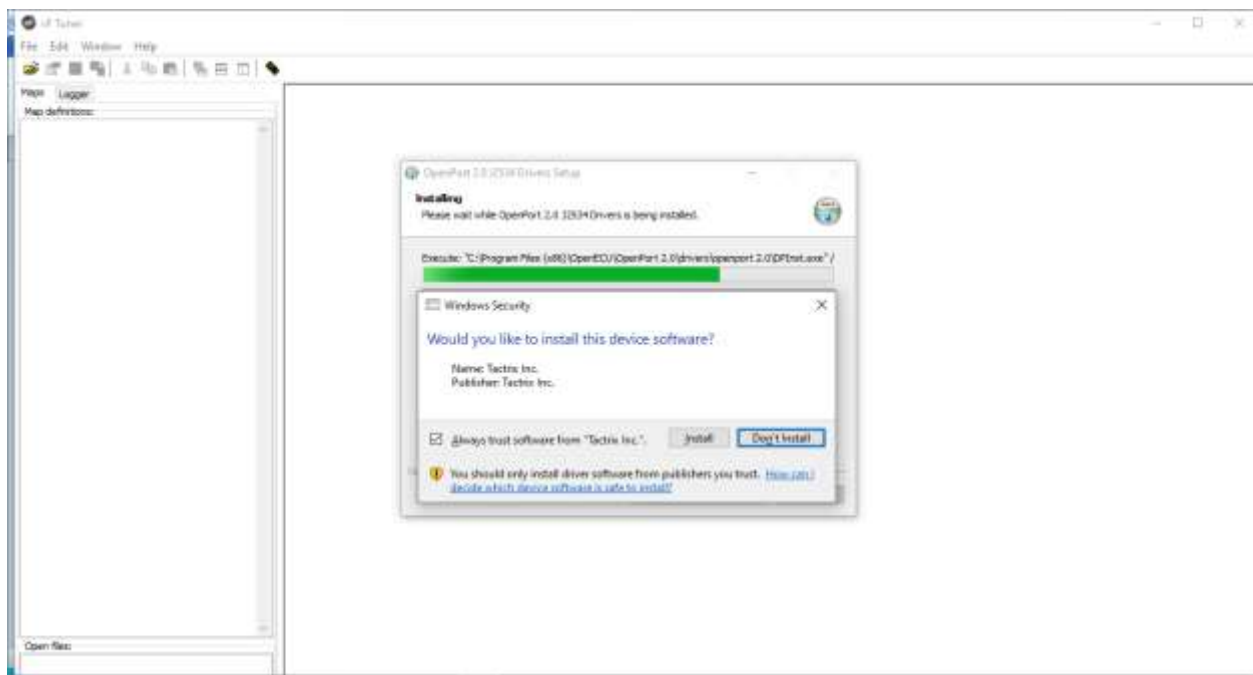
- 4.6. The next screen prompts you to choose the driver's installation directory.
PLEASE leave the installation path as is. i.e. C:\Program Files
(x86)\OpenECU\OpenPort 2.0



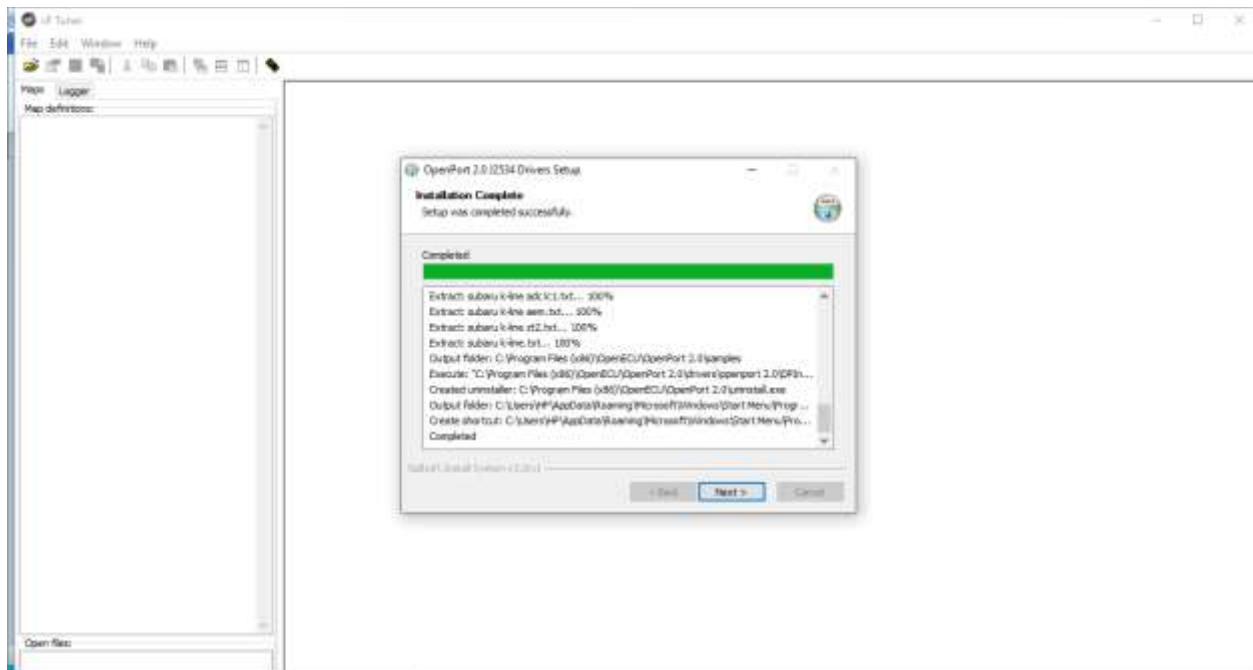
- 4.7. On the next screen, Click on the “Install” button to initiate drivers installation process



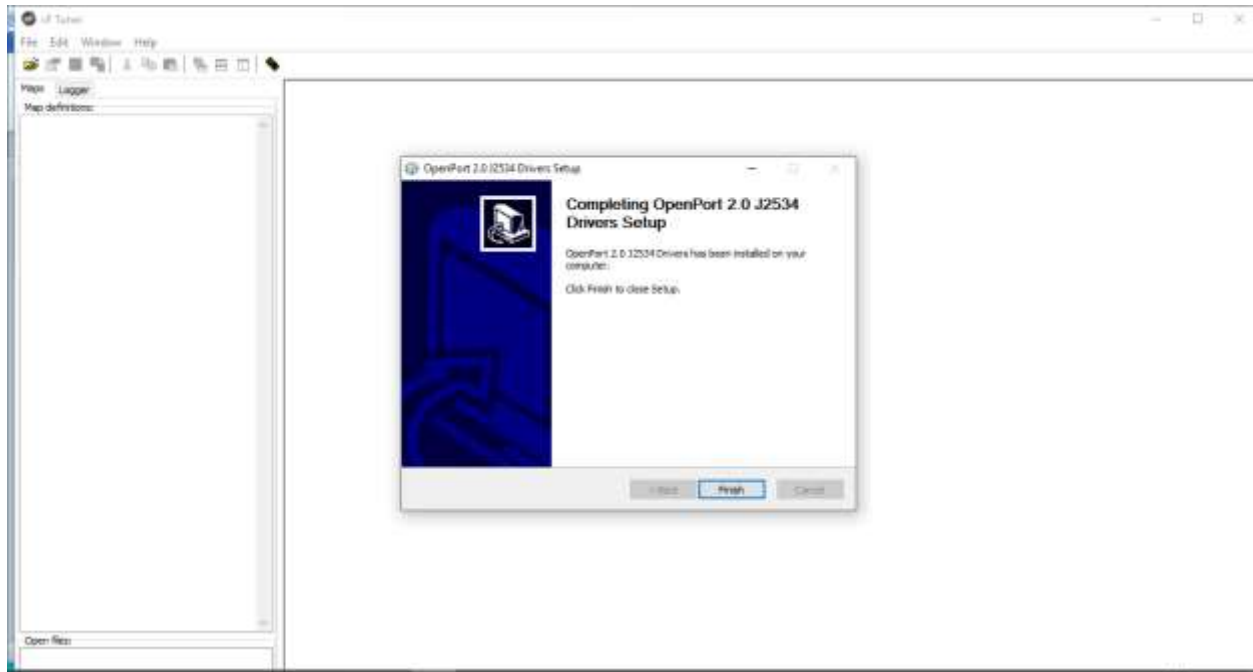
- 4.8. After a few seconds, you will be promoted with a message “Would you like to install this device software?” Please select Install



- 4.9. After a short while, the installation is complete. Click “Next” button



- 4.10. Finish the installation by pressing “Finish” button



Now you are ready to connect to your vehicle.

5.0. PREPARE ECU

The following steps require you to connect your vehicle to the laptop through the OBDII Port using a serial cable. You **MUST** also have internet connection on your laptop.



5.1. Licensing the Vehicle using OBDII Port

CAUTION!

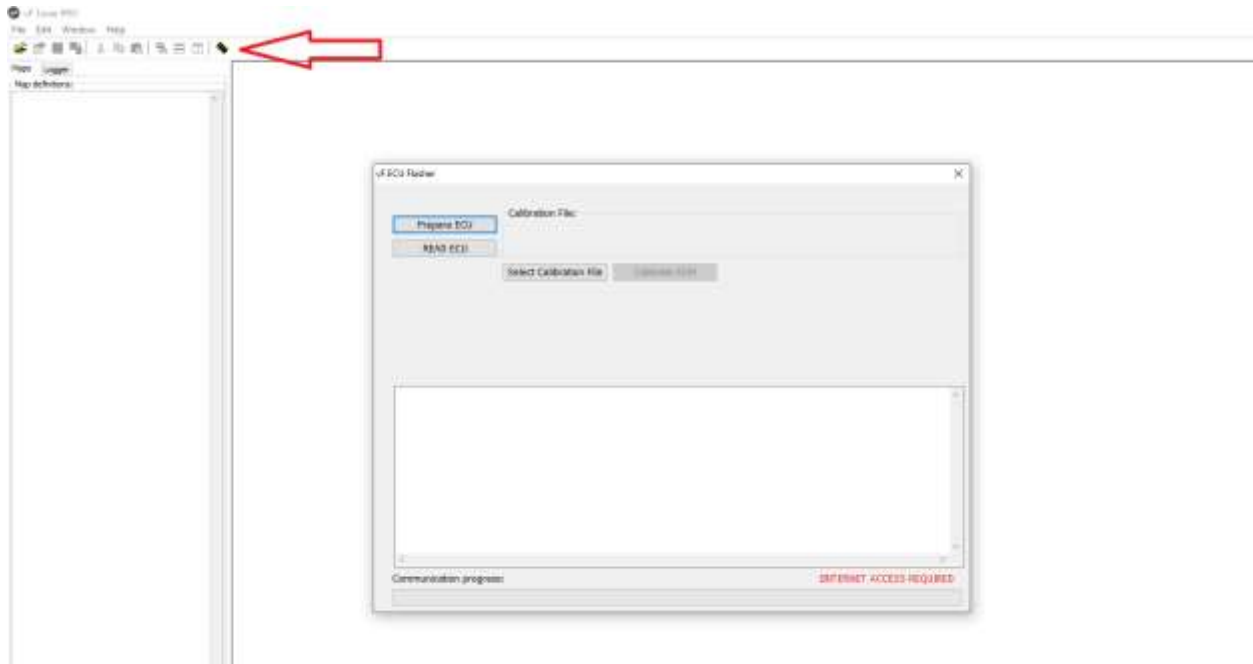


- ✓ Make sure your laptop has internet connection
- ✓ Make sure you are connected to the vehicle through the OBDII Port as shown above.

5.0.1.1. Turn on the vehicle **BUT** do not start the engine

5.0.1.2. Open the VF tuner software

5.0.1.3. Click on the “Flash ECU” icon as shown bellow



5.0.1.4. On the popup, press "PREPARE ECU" button

This will gather the basic information about your vehicle as shown below.

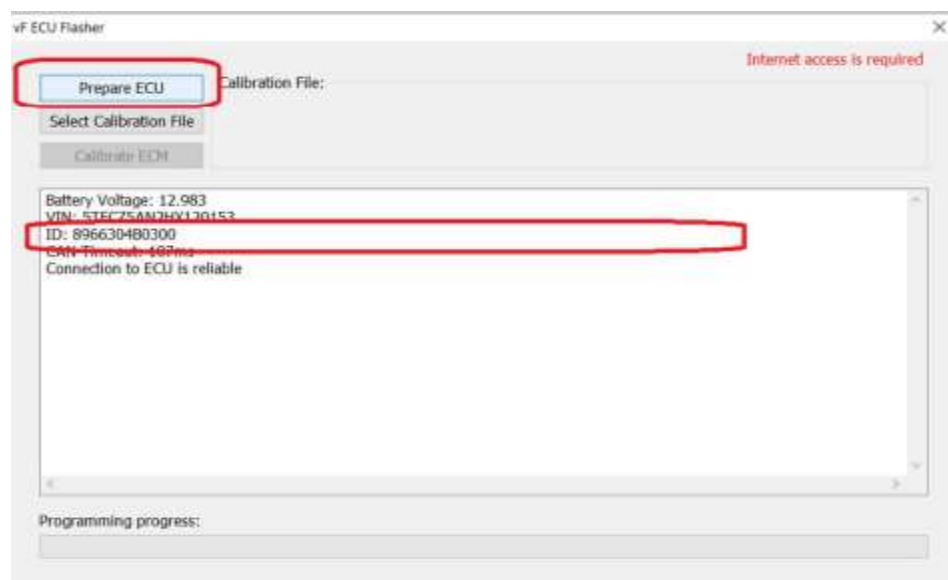
 The "ID" is your CALIBRATION or ECU ID

The software will then ask you if you would like to license the vehicle (4 credits are required)



CAUTION:

PLEASE VERIFY THAT YOUR ECU ID IS SUPPORTED BEFORE ACCEPTING TO LICENSE THE VEHICLE. IF YOU LICENSE THE VEHICLE IT WILL COST 4 CREDITS. SO PLEASE ENSURE THAT YOUR VEHICLES ID IS SUPPORTED



Stock data for all vehicles is included in the vF Tuner installation Folder

C:\Program Files (x86)\vF Tuner

Name	Date modified	Type	Size
4Runner 09+	16/03/2021 07:15	File folder	
Camry 2018+	16/03/2021 07:14	File folder	
GS200T	16/03/2021 07:14	File folder	
GSF	16/03/2021 07:14	File folder	
GX	16/03/2021 07:15	File folder	
IS200T 2015+	16/03/2021 07:14	File folder	
IS350 2018+	16/03/2021 07:15	File folder	
Kluger Highlander	16/03/2021 07:15	File folder	
Land Cruiser	16/03/2021 07:15	File folder	
Lexus ISF	16/03/2021 07:15	File folder	
NX200T 2015+	16/03/2021 07:14	File folder	
Prado	16/03/2021 07:15	File folder	
RC200T 2015+	16/03/2021 07:14	File folder	
RCF	16/03/2021 07:14	File folder	

5.1. Read ECU

NOTICE:

SOME ECUS CAN BE READ THROUGH THE OBDII PORT. SOME CANNOT. IF THE SOFTWARE TELLS YOU THAT YOUR ECU CANNOT BE READ THROUGH THE OBDII PORT THAT DOES NOT NECESSARILY MEAN IT IS NOT SUPPORTED.

PLEASE CHECK THE INSTALLATION FOLDER C/PROGRAM FILES X86 / VF TUNER / (CAR FOLDER) TO SEE IF YOUR CALIBRATION IS PROVIDED

If your ECU is new or not supported, please try to read the ECU AND THE TCU.

If you can read them, please submit the files to support@ovtune.zendesk.com so we can build support for it

5.2. Licensing the Vehicle VIN Remotely



CAUTION!

ONLY USE THIS METHOD IF YOU CANNOT CONNECT TO YOUR CAR!

This option is available if you're not near your vehicle. You **MUST**

- ✓ Have your vehicle VIN with you. **YOU MUST MAKE SURE TO ENTER YOUR VIN CORRECTLY! NO TYPOS** ,
- ✓ Have internet connection

5.2.1.1. Open VF Tuner program

5.2.1.2. On the menu, click "File" → "Credit Vin.."



5.2.1.3. A popup will show asking you to enter the vehicle VIN. **YOU MUST MAKE SURE TO ENTER YOUR VIN CORRECTLY! NO TYPOS. DOUBLE CHECK, IF**

**THERE ARE TYPOS YOU WILL USE YOUR CREDITS
AND WILL NOT BE ABLE TO FLASH.**

Input the VIN in CAPS and press “OK” button (**NOTE: Internet connection is require**)

6.0. TUNE PACKS

Tune packs are a package (zip / rar / compressed folder) that includes multiple Tune options for an individual vehicle. The package contains multiple files that a user

- ✓ Can select from to start as a base calibration to edit further,
- ✓ Can use the calibration as-is.

If you purchased a Tune pack from our store, (<https://vftuner.com/collections/tune-packs>) you will need to email us your vehicles information to request your tune pack.

6.1. Make sure your vehicle is connected to your computer as show in [Step 5.0. above](#)

6.2. Open VF Tuner program

6.3. Press "Prepare ECU"



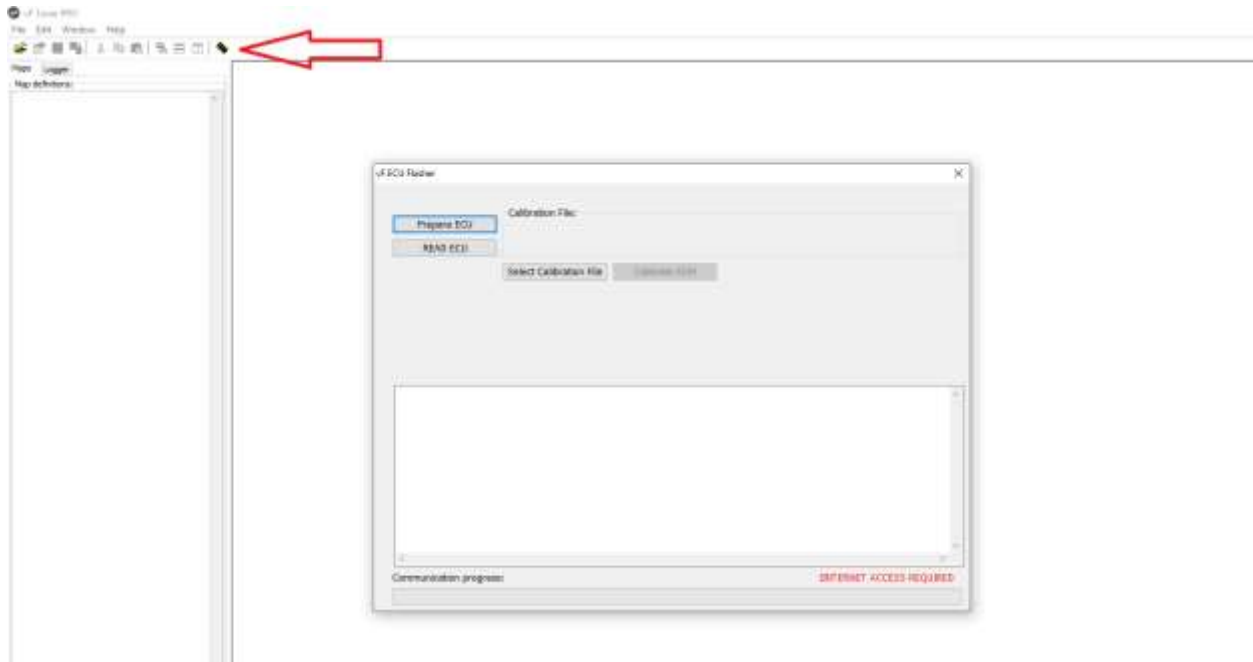
6.4. Copy the information (calibration ID, VIN, etc.) and email that information with your order number to Support@ovtune.zendesk.com . We will email you a link to your tune

package as soon as possible once receiving your information. This may take 1-3 days depending upon how busy our support email is.

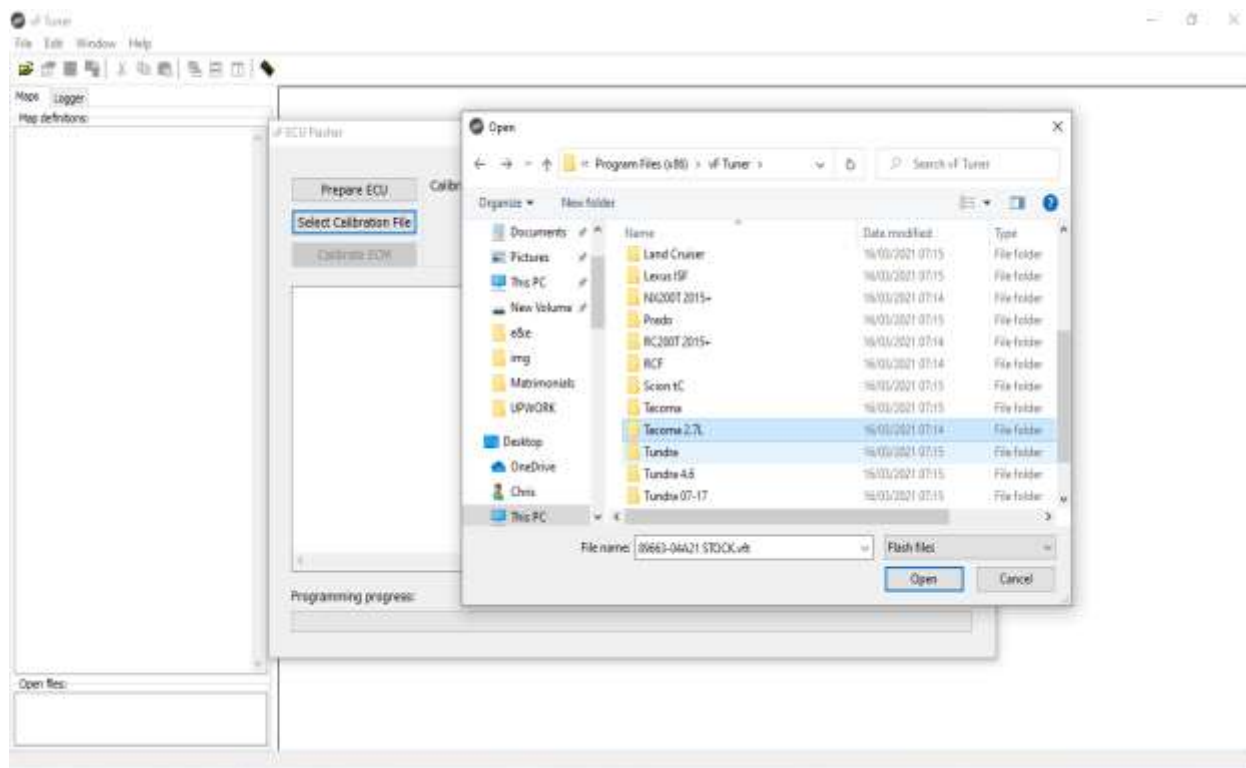
7.0. FLASHING YOUR ECM

After passing steps 1-6 without any error:

- 7.1. Open VF Tuner program
- 7.2. Click on the “Flash ECU” icon as shown below



- 7.3. Press “Select Calibration File” button
- 7.4. Select the location of the (tune file) (.vft, .vfc file) as show below depending on your vehicle model



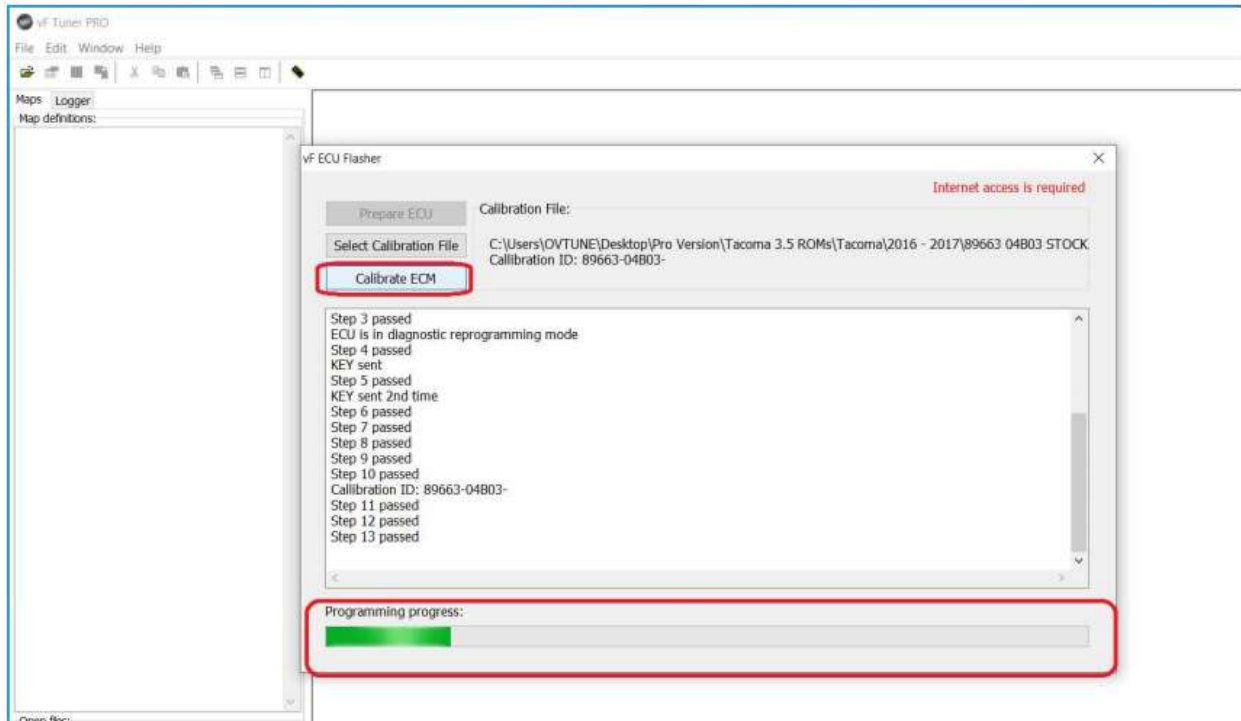
- 7.5. Once you are ready to flash, and have selected the file. Press “calibrate ECM” button. **NOTE: THIS PROCESS CANNOT BE INTERRUPTED.**

If you get any ERRORS, please provide the ERROR CODE, Vehicle information (Make, Model, Year, Engine) to Support@ovtune.zendesk.com. Please include the Error ER code (Example ER3233)



CAUTION!

- ✓ FLASHING ECM process cannot be interrupted.
- ✓ Ensure you have adequate battery voltage before trying to flash.
- ✓ Do not attempt to flash your ECU if your battery voltage is under 12.0 volts!
- ✓ Ensure you have a stable connection.
- ✓ Errors, interruptions, low battery voltage disconnects, etc. can brick your ECM!
- ✓ In some cases, you may have to send us the ECM for repair.



- 7.6. Once the process is complete, the VF Tuner program will prompt you “Flashing Complete”
- 7.7. Turn the vehicle OFF, and then ON and start it to confirm flashing is done successfully.

NOTE: Some Toyotas will start, and immediately die after the first start up after a flash. This is completely NORMAL. Simply start it again.

8.0. LICENSING ECU FOR EDITING

8.1. Basic hot keys for editing

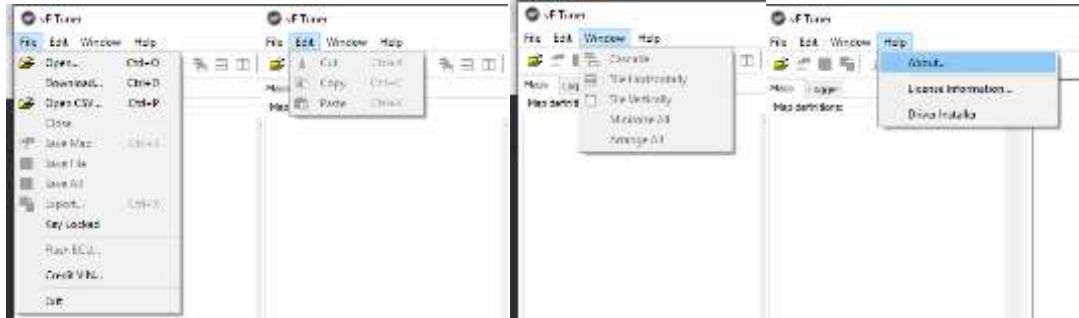
- ❖ CRTL + F = Editing a value
- ❖ CRTL + I = Interpolation of a selected area
- ❖ CRTL + C = Copy
- ❖ CRTL + P = Paste
- ❖ “*” (star) button on numpad = Multiply value by percent

NOTES:

- ✓ When multiplying a value, 100% = 1.0 multiplier (no change)

- ✓ 80 % = Value x 0.8
- ✓ 180 = Value x 1.8

8.2. VF Tuner program menu



8.2.1. KEY MENU OPTIONS

i. Key Locked Menu

When this menu is selected as shown in fig 8.2.1 b, then you SAVE a file or EXPORT a file, that file is locked to your key, and nobody else can access it with VF Tuner program.

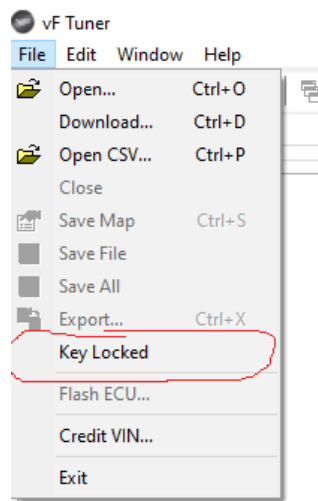


Fig 8.2.1 (a) showing Key Locked menu

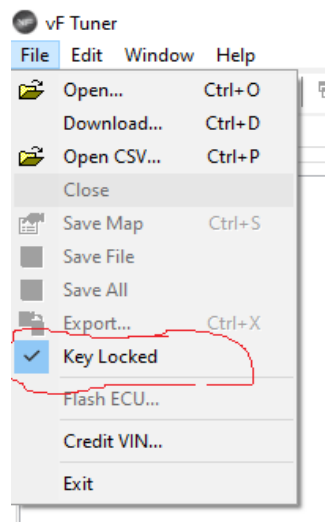


Fig 8.2.1 (b) showing Key Locked menu activated

ii. Credit VIN – License a VIN for flashing

8.3. Basic Functions

1. Opening your ECU file and licensing your ECU ID

NOTES:

- When opening your ECU for the first time you will need to license access to the file. This will cost 4 credits.
- Please be sure you are licensing the file that MATCHES your ECU ID. If you license the wrong file, additional credits will not be provided to you.
- If you do not know your CALIBRATION ID, Click "prepare ECU" the "ID" has your calibration ID. Example 0304b0400 = 89663-**04B04** The last 5 digits matching
- The software will prompt you that you must use credits to license the file. This process only needs to be done one time, and you will have permanent access to that ECU version. You do not have to license additional files of the same ECU version.

Licensing an Upgrade or Modified ECM File

- Some files provided by vF Tuner are modified files for specific vehicle model years. These files are modified in order to work with your vehicle. Sometimes ECU unlocks are required, and other times ECU services may be required (sending your ECM to us).
- Certain models and ECUs have files modified from original code in order to work with your application.

It is important to know that when using vF Tuner with these files, once you flash the ECU it is IMPOSSIBLE to go back to 100% stock calibration configuration under normal circumstances this does not affect the usage of the vehicle.

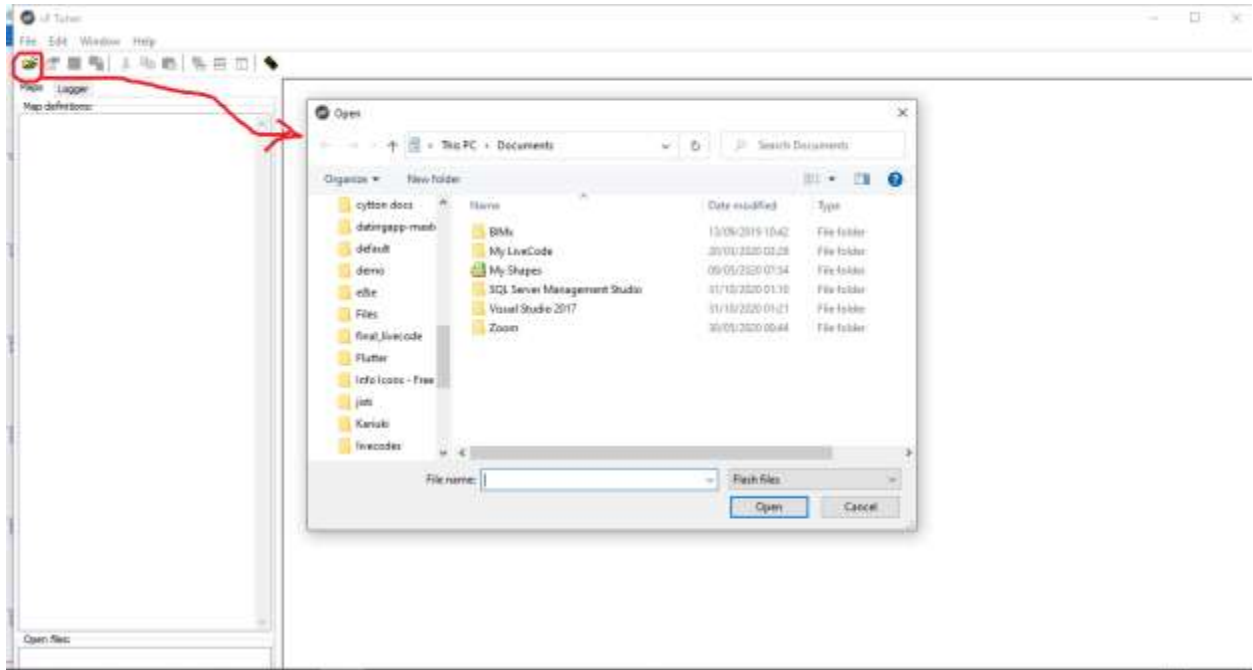
Examples of some vehicles with modified ECM files are

- ✓ 2018-2019 Tundra 5.7L
- ✓ 2016-2017 Tacoma 2.7L
- ✓ certain model Lexus RCF and GSF vehicles,
- ✓ Etc.

Phase5 Gen2 ECUs are normally not affected by these modified ECM files.

- i. Open VF Tuner program

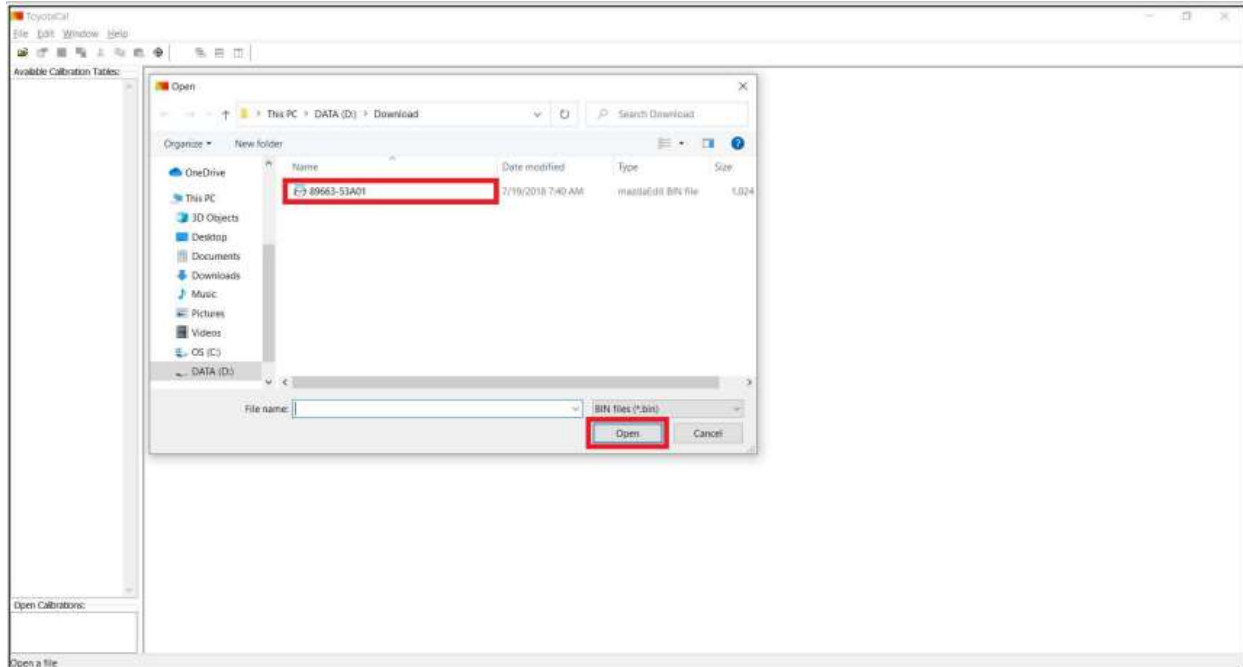
- ii. Click “File” then “Open” or press CTRL + O on the keyboard, or press the folder icon on the upper left corner of the program
- iii. Browse the location of the file as shown below



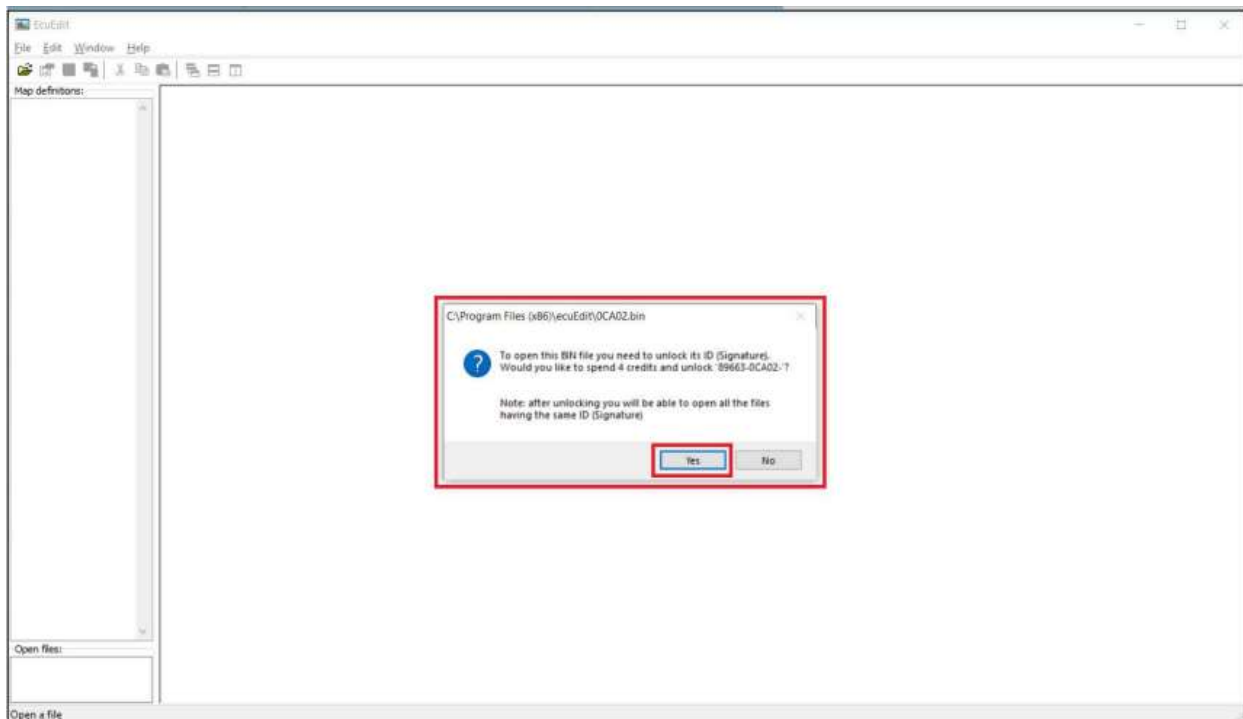
- iii. Select the file you wish to edit and click on the “Open” button located on the lower right side of the “Open” window above.

**CAUTION!**

MAKE SURE THAT THE FILE MATCHES YOUR VEHICLES CALIBRATION ID IF YOU INTEND TO LICENSE YOUR VEHICLES CALIBRATION!



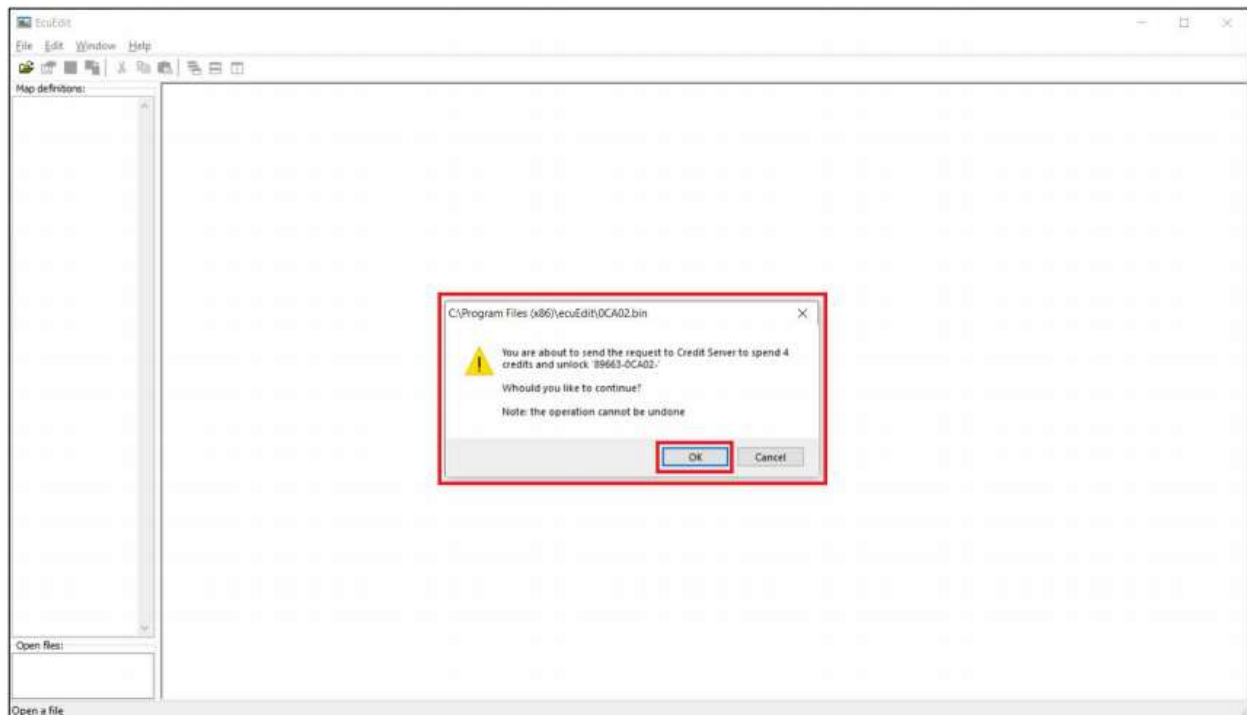
- iv. When you have selected and opened your file, you will be notified that doing so will consume some of your credits. Click on the “Yes” button to proceed opening that file and deduct the credits from your account.



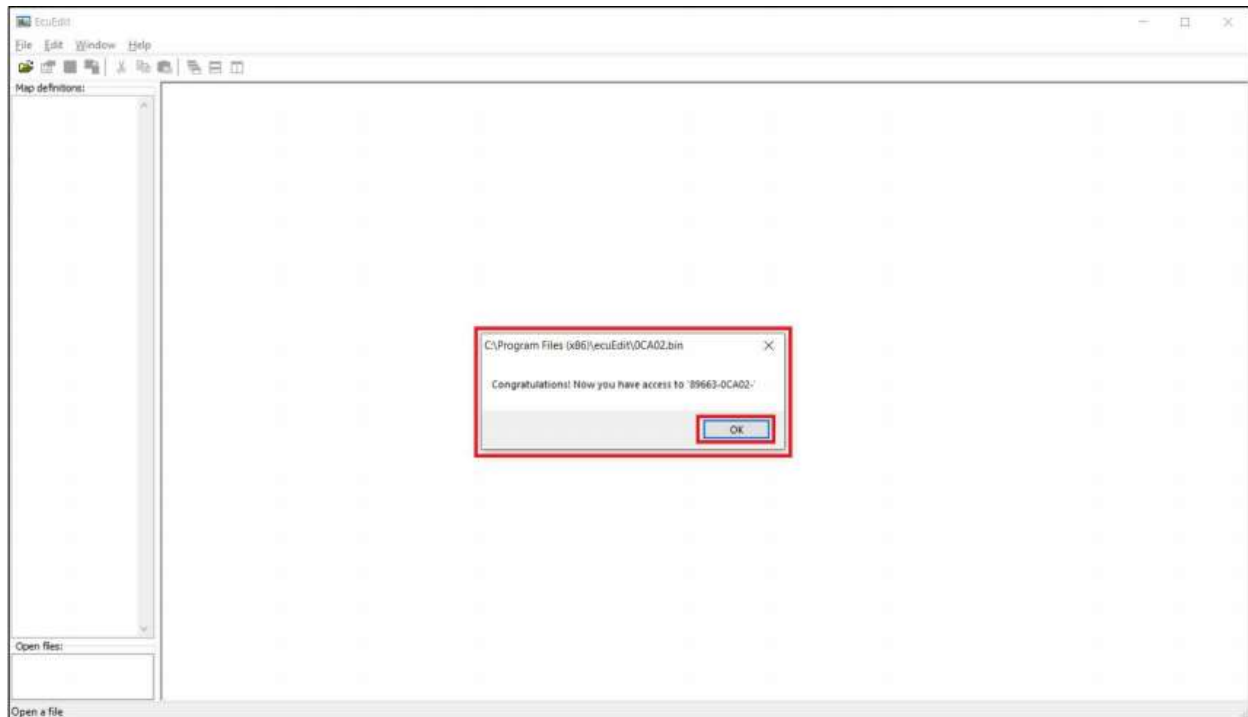
- v. A confirmation of your request will be show on the next dialog. Click the “Ok” button to proceed.

**CAUTION!**

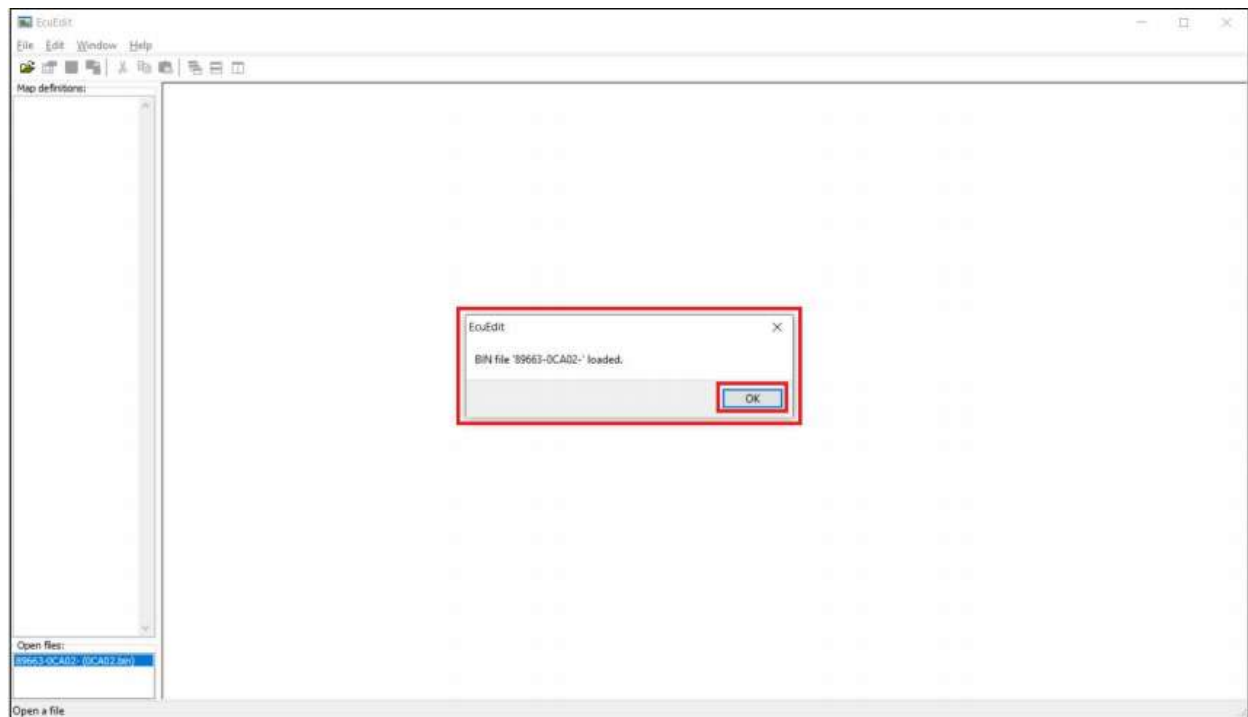
VERIFY THAT THE CALIBRATION YOU ARE OPENING MATCHES YOUR VEHICLE! THIS PROCESS CANNOT BE UNDONE



- vi. There will be another confirmation that you now have access to that file. Click the “Ok” button to proceed



- vii. Your file will be loaded and another confirmation dialog will appear. Click the “Ok” button to finish loading the BIN file.



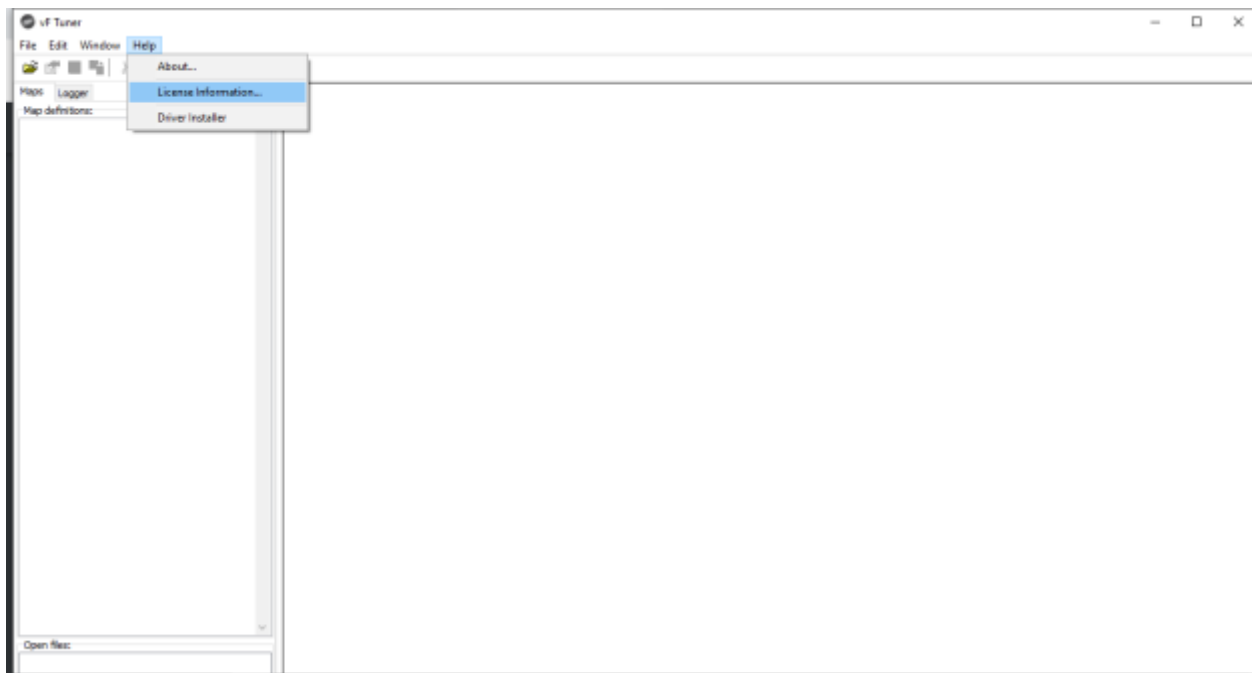
2. Requesting for more Credits

2.1. Go to <https://vftuner.com/collections/credits> and PURCHASE the credits you want

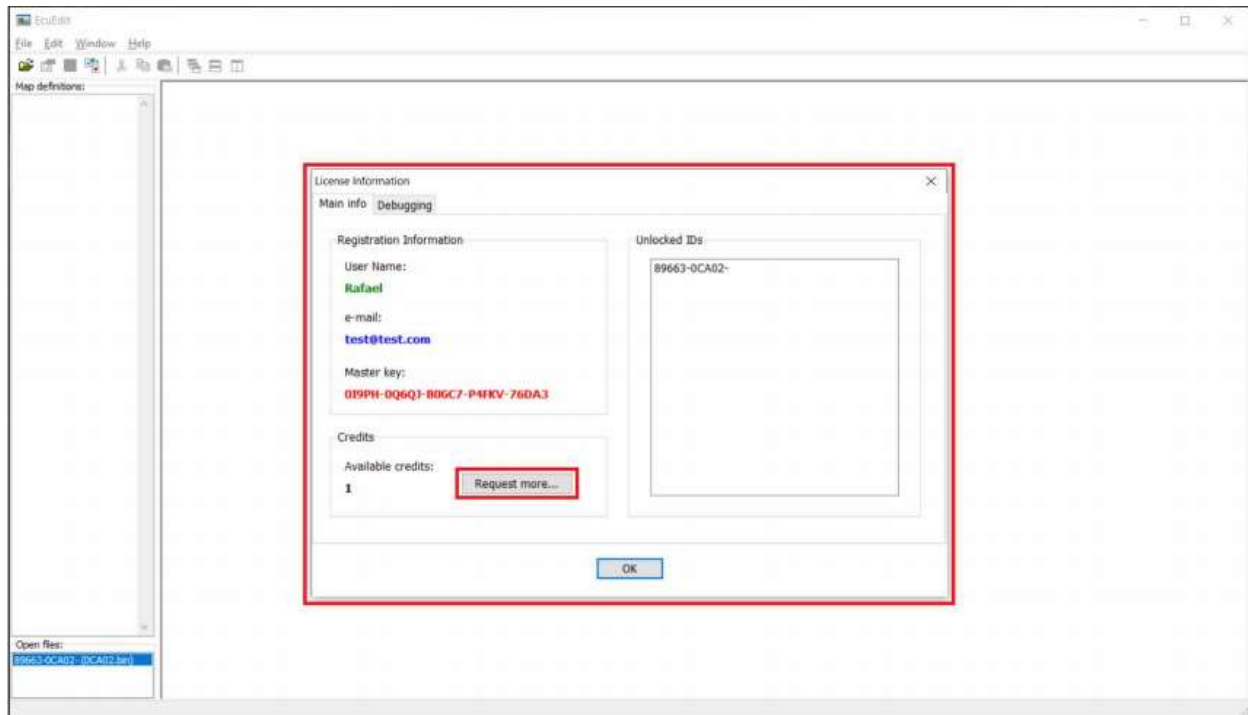
NOTE: You must go to <https://vftuner.com/collections/credits> before requesting the credits using the VF Tune programs

2.2. Open VF Tune program

2.3. Click on “Help” menu and then click on “License Information...” sub menu

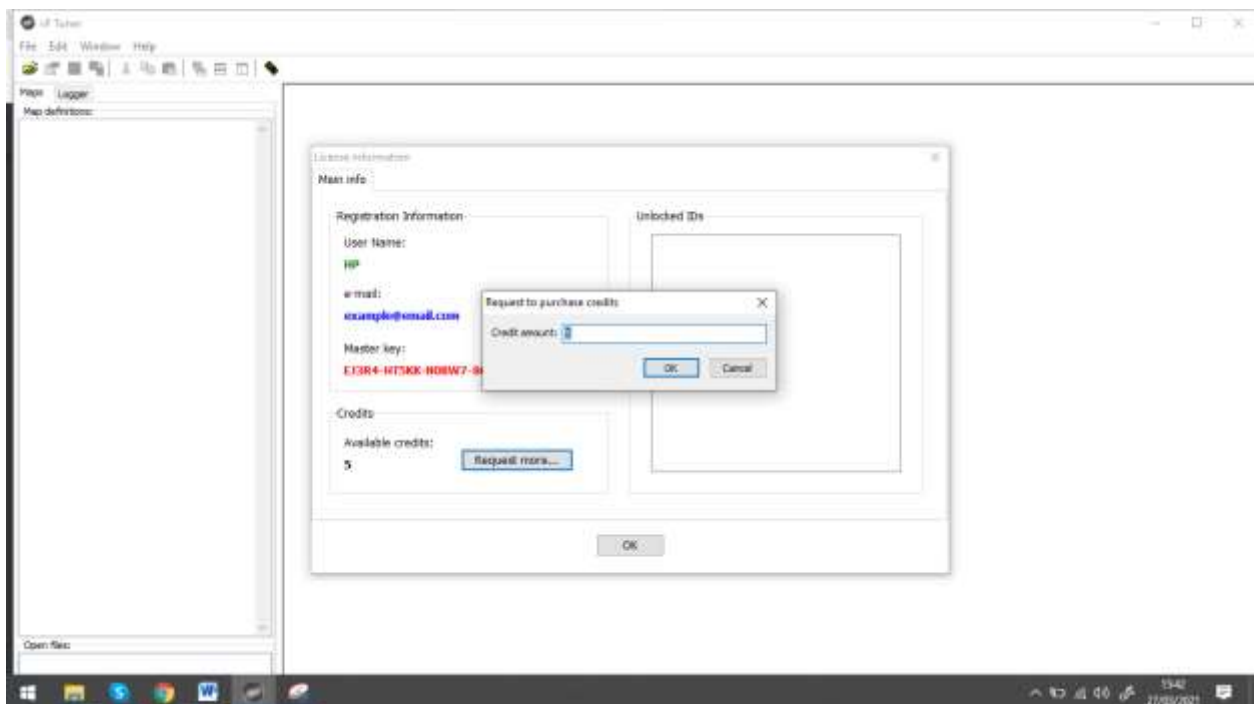


2.4. Click on “Request more” button



On this window, you can also view the unlocked IDs for your account, and how many credits you have.

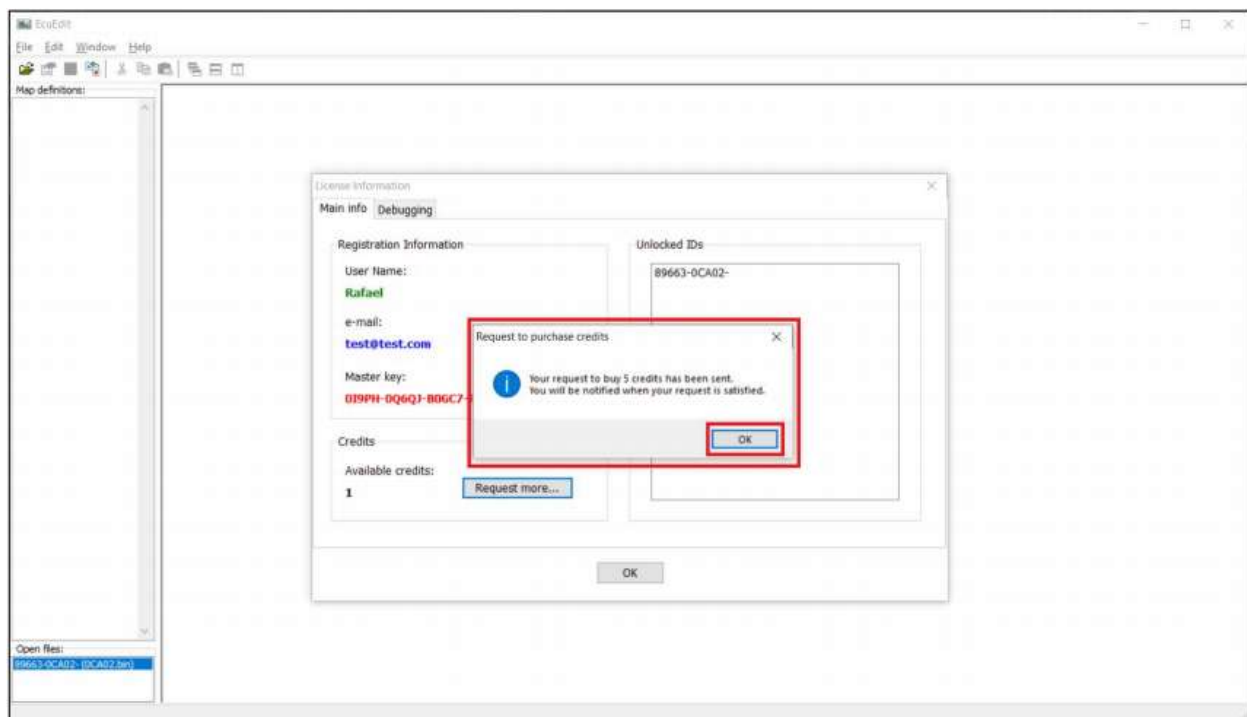
2.5. On the next popup dialog, enter the credit amount you wish to spend. NOTE, this process is not “instant” in all cases so **do not send multiple requests**



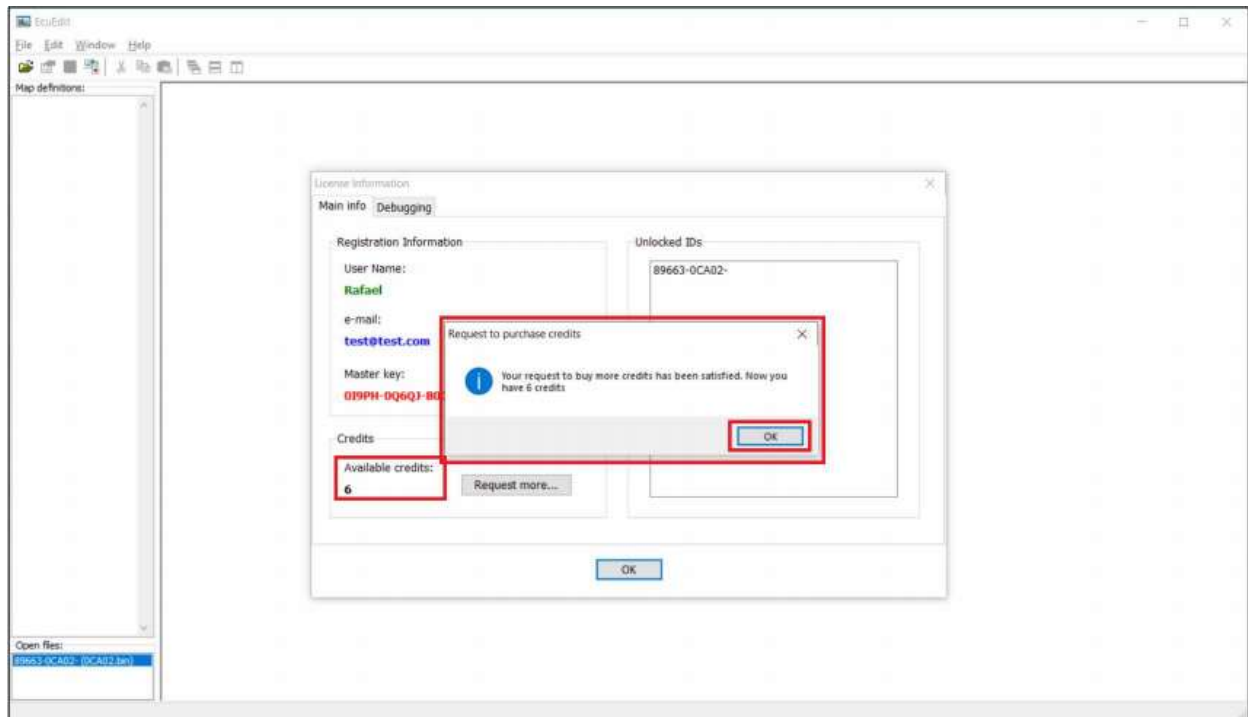
**CAUTION!**

- Please be sure to request the same amount you purchased in order to expedite your credit purchase
- Please do not request the same credits multiple times
- Please do not request credits if you have not made any purchases

2.6. Once your purchase and request for more credits is sent, you'll get a confirmation as pictured below. Click the "Ok" button to proceed.



2.7. Once we have added more credits to your account, you will get a notification like the one pictured below. You will also notice your available credits increase. Click the "Ok" button to proceed.

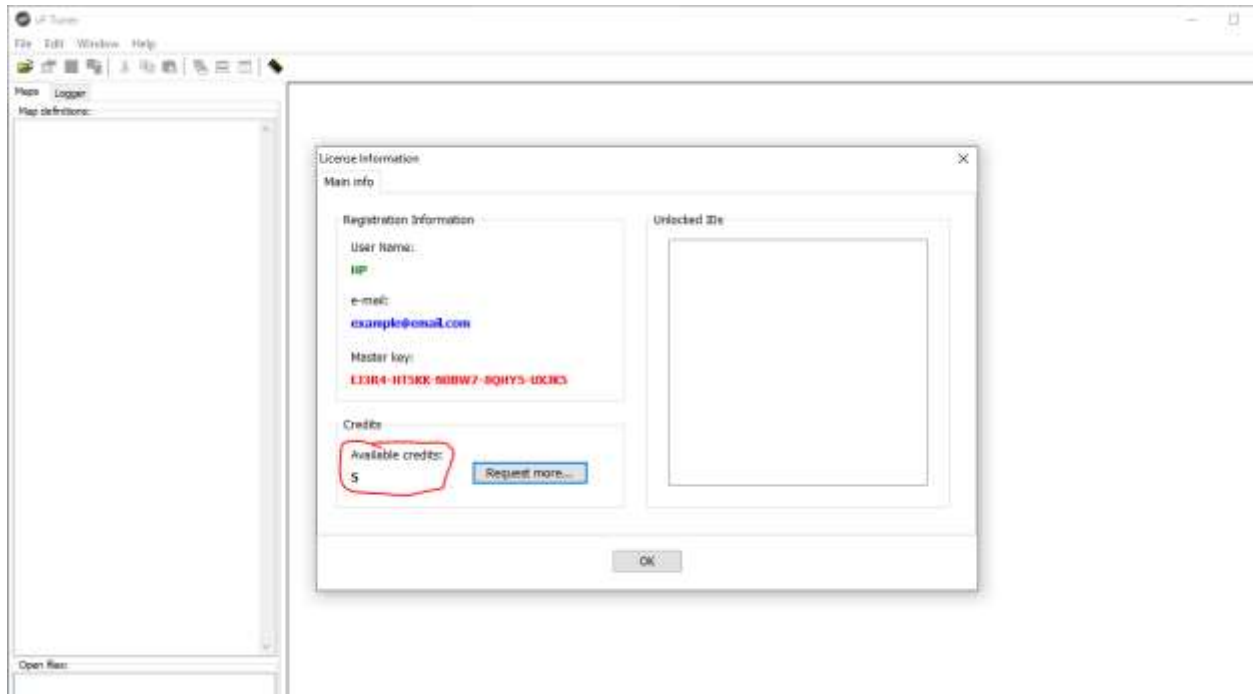


2.8. You can now open a new ECU ID again ([check the above instructions on opening an ECU](#))

3. Checking credit balance

3.1. Open VF Tuner program

3.2. Click on “Help” menu and then “License Information...”



4. Credit usage

- ✓ Credits are used to unlock access the ECM/TCU Files (permanent access once licensed)
- ✓ Credits are used / required to license a vehicles ECM for flashing

9.0. EDITING – BASICS

9.1. Navigating the User Interface / EDITING FILES

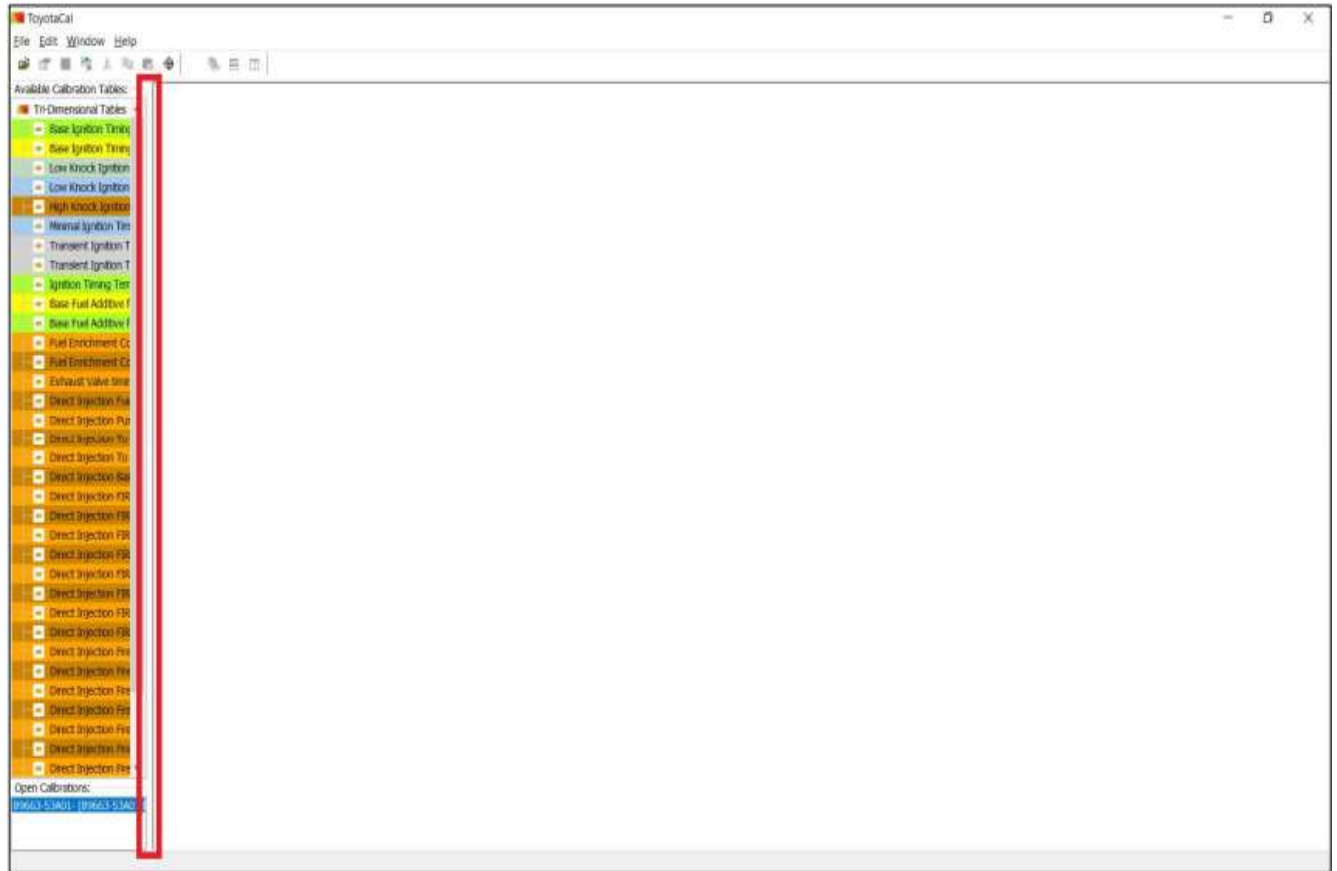
There are four (4) basic areas that are mainly referred while editing

- The Editing window
- The Map Definition window
- The Menu items
- The Shortcut items
- The Open File window

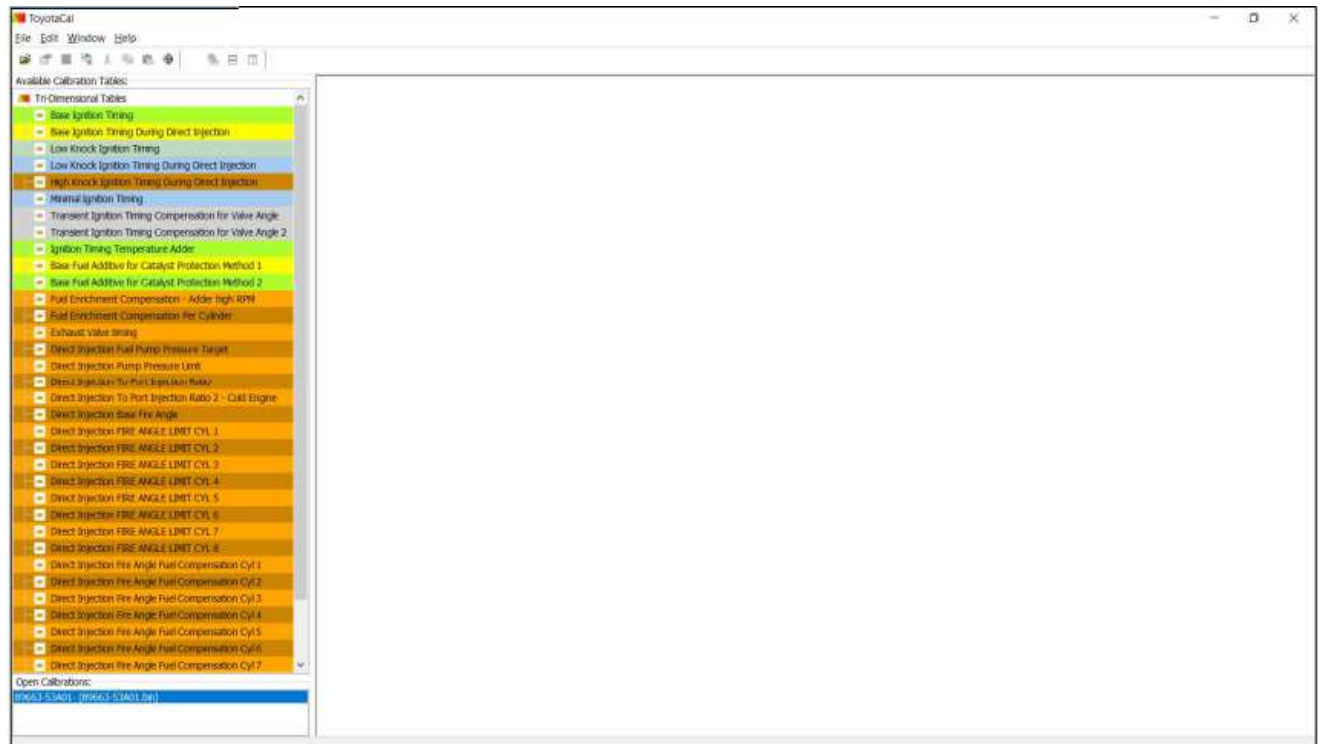


9.2. Adjusting the Map Definition Window Size

Hover your cursor in between the “Map Definition” window and the “Editing” windows until your cursor changes appearance. You can then click and drag your mouse to change the “Map Definition” window to your desired size.



Changed window size:

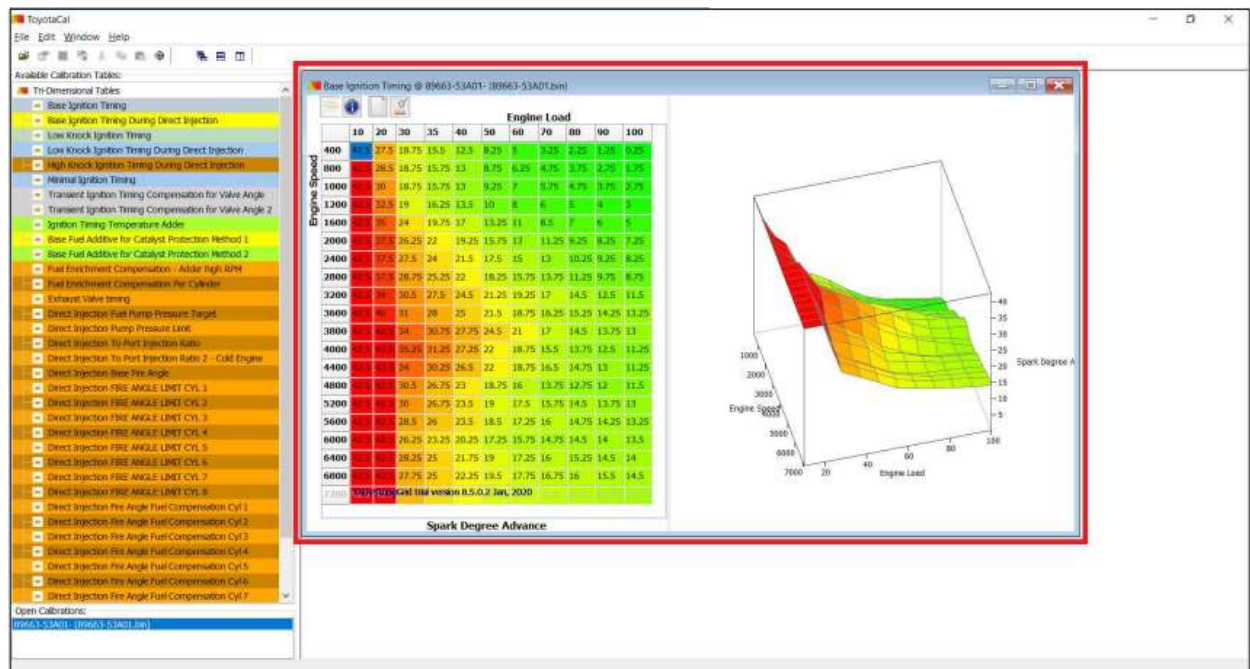


9.3. Opening a Map/Table

Select on a map/table you want to edit



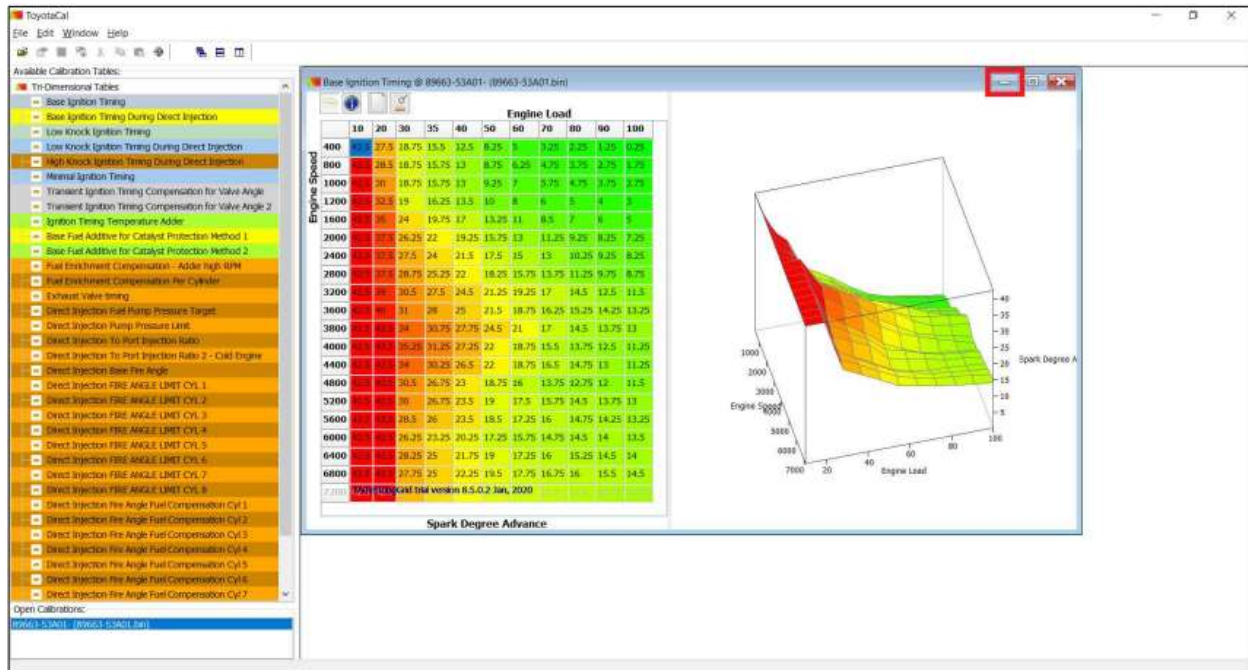
Double click that map and it will open the map/table in the “Editing” window



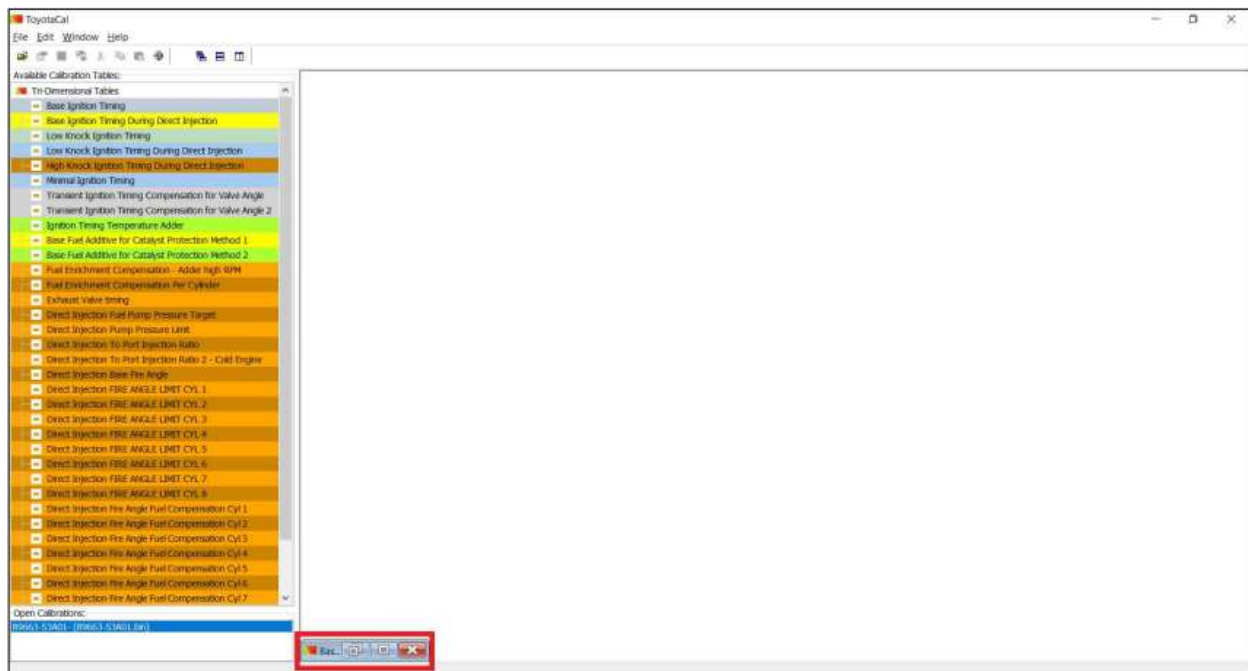
9.4. Navigating the Map Window

9.4.1. Minimizing the Map Window

Click on the minimize button

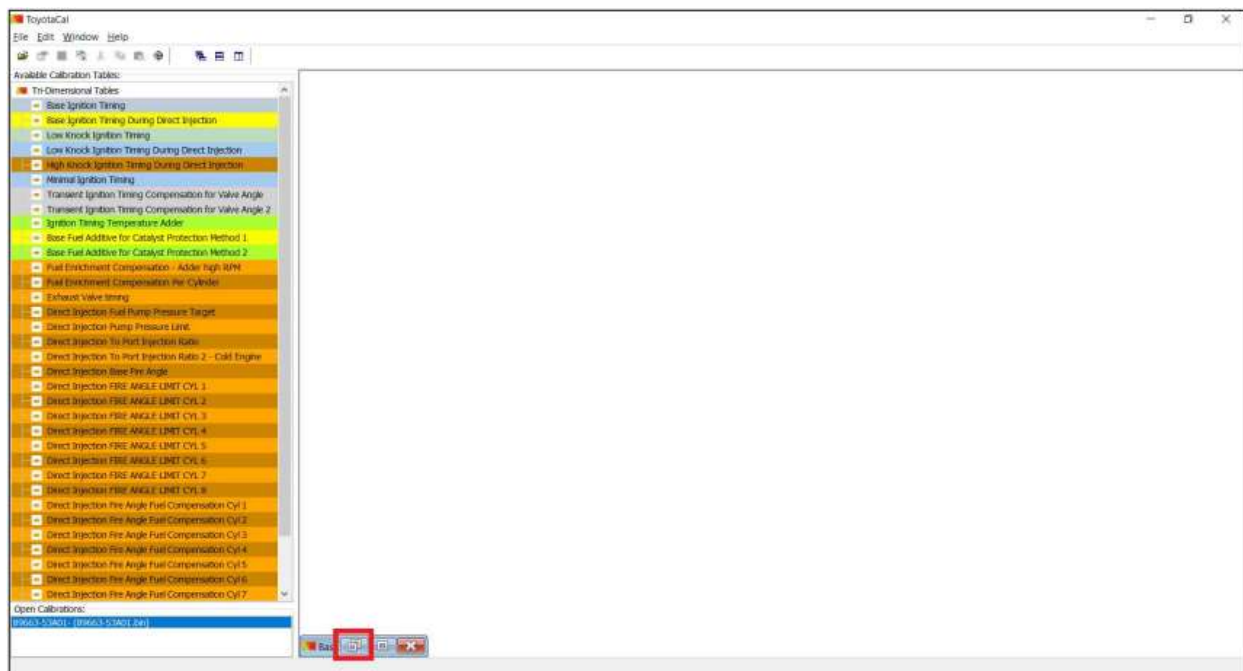


Results

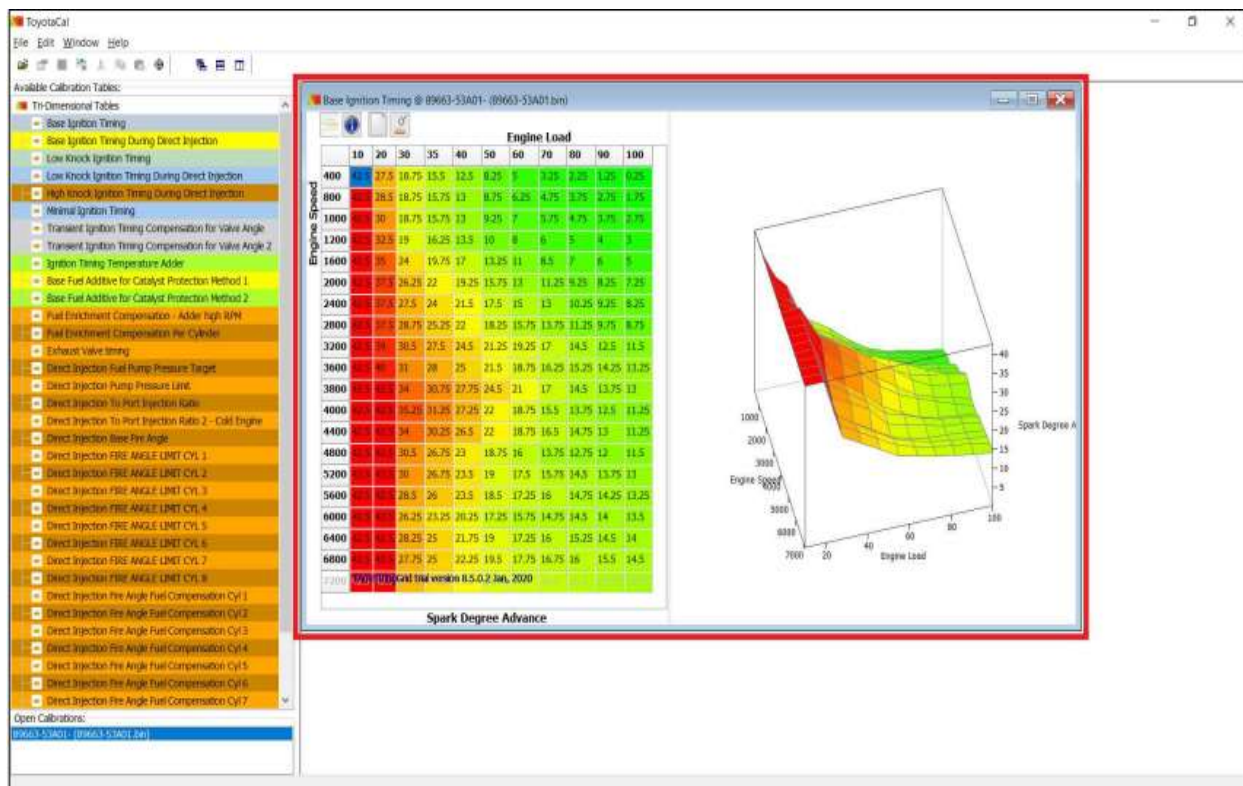


9.4.2. Restoring a Minimized Map Window

Click on the maximize button on the now minimized screen

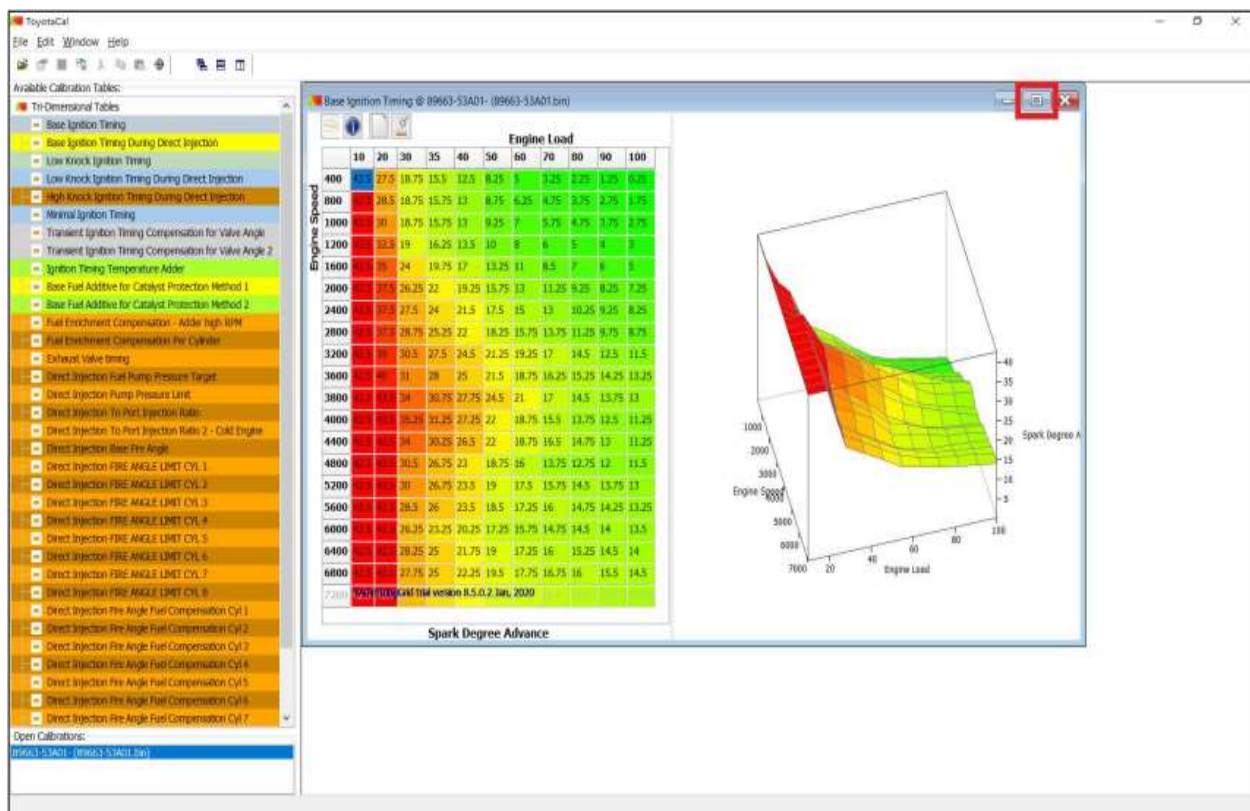


Results: The window is maximized to its original size

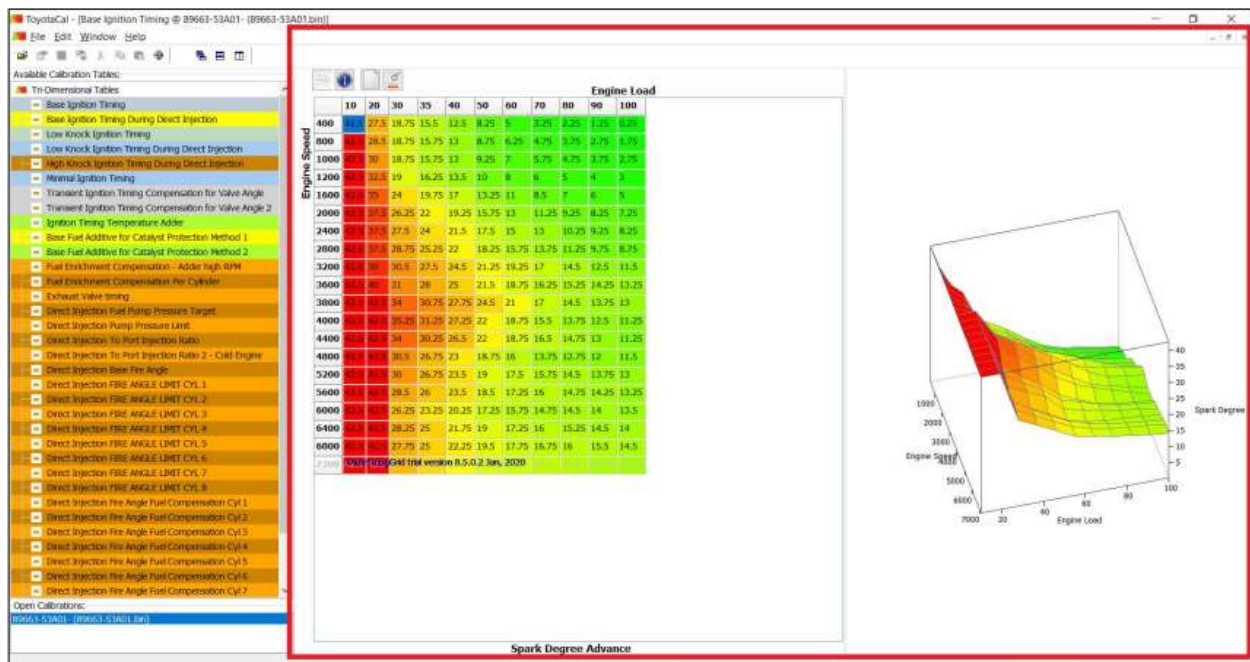


9.4.3. Maximizing the Map Window

Click on the maximize button

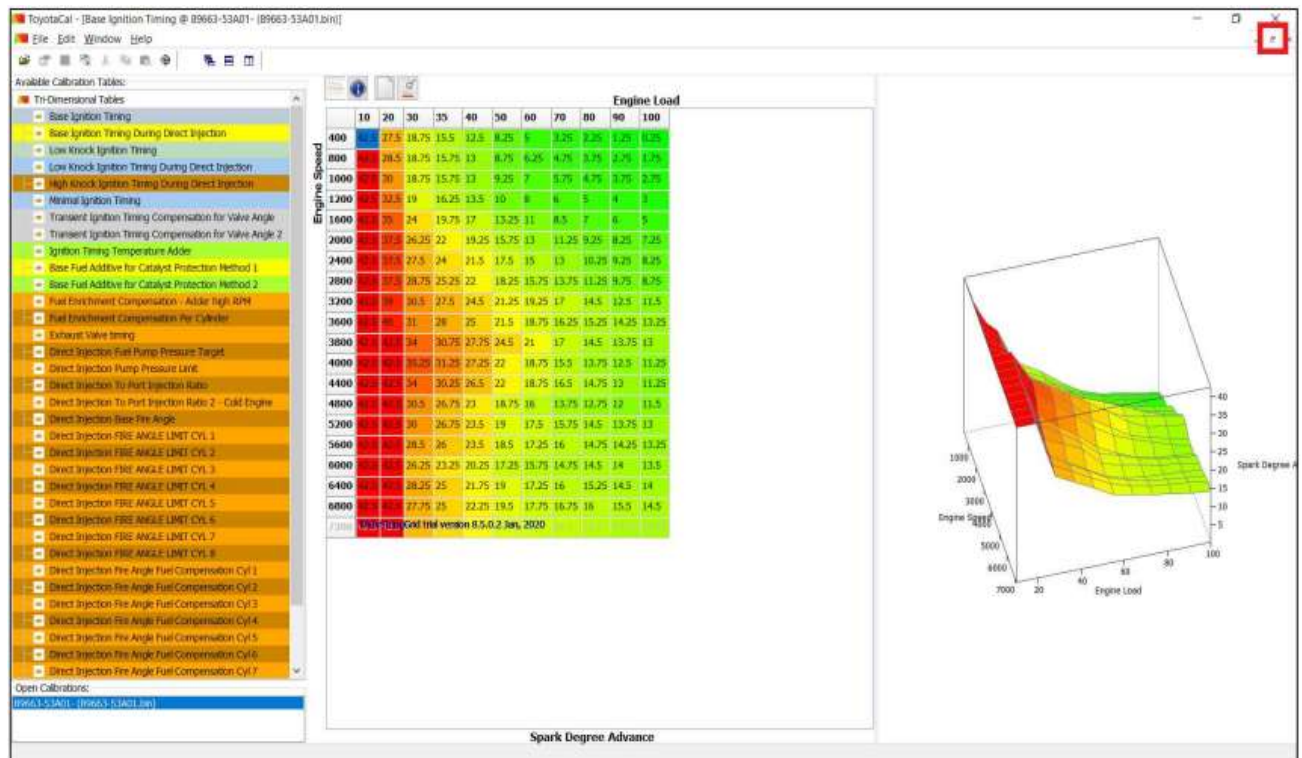


Results: The screen stretches and fills in the editing window

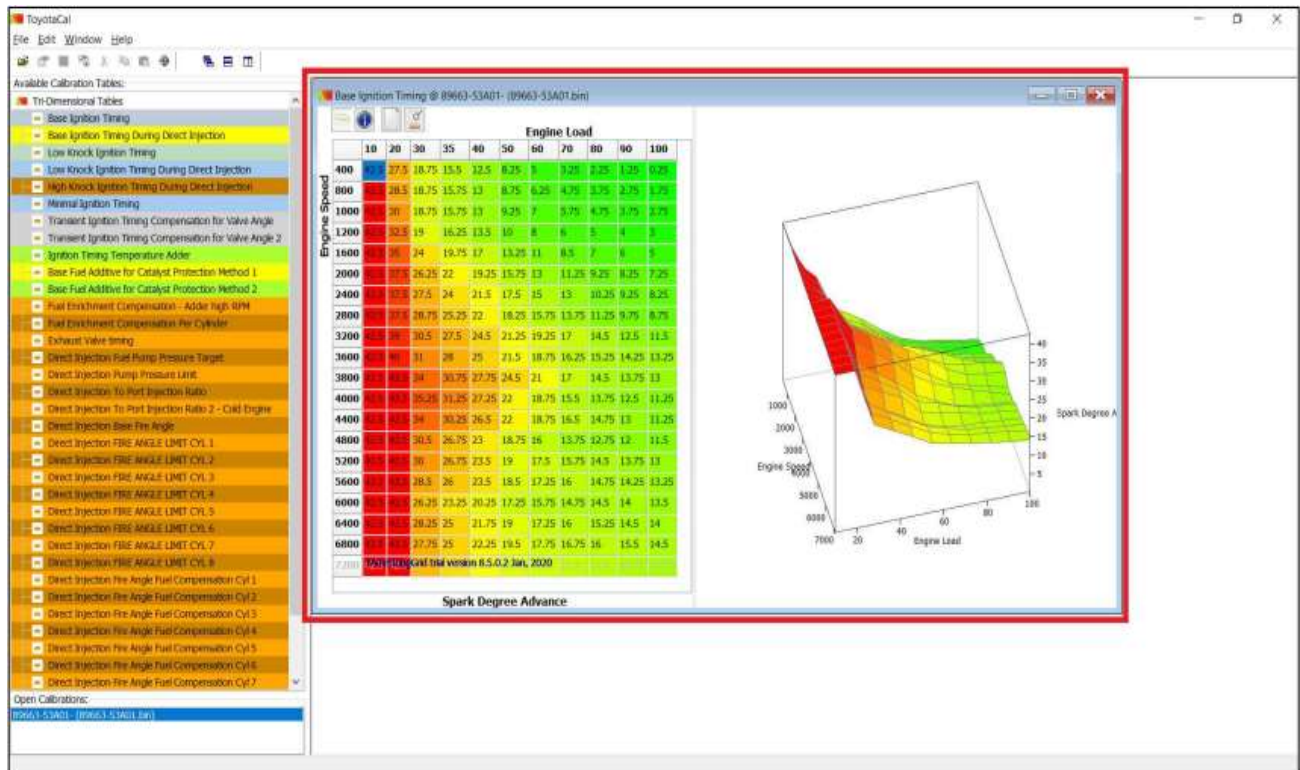


9.4.4. Restoring a Maximized Map Window

Click on the minimize button

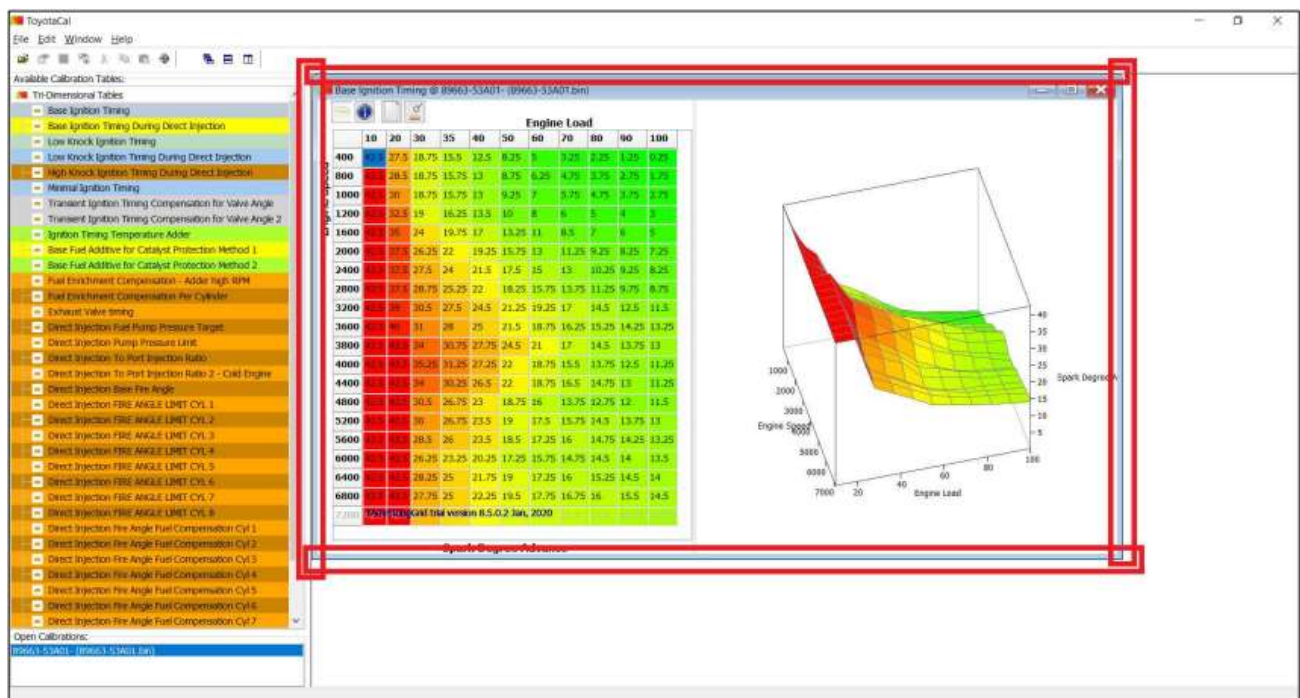


Results:



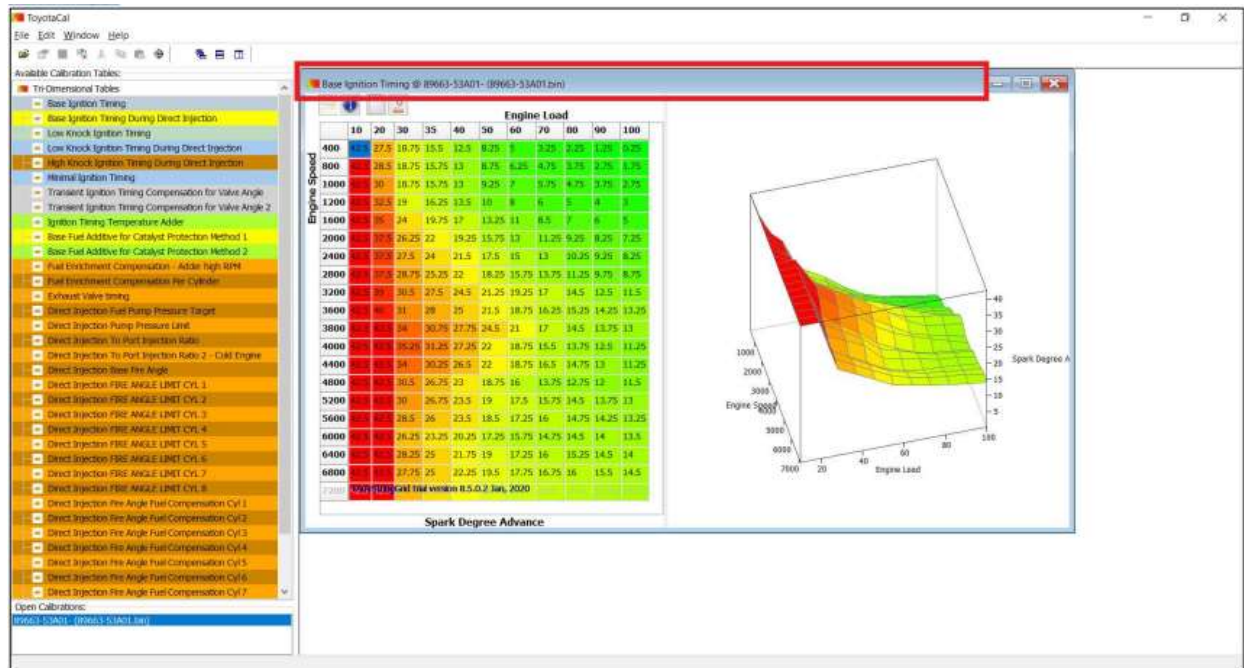
9.4.5. Adjusting the Size of the Map Window

When you hover your cursor along an edge or corner of the map window, the cursor icon will change, and you click and drag your mouse to adjust the size accordingly.



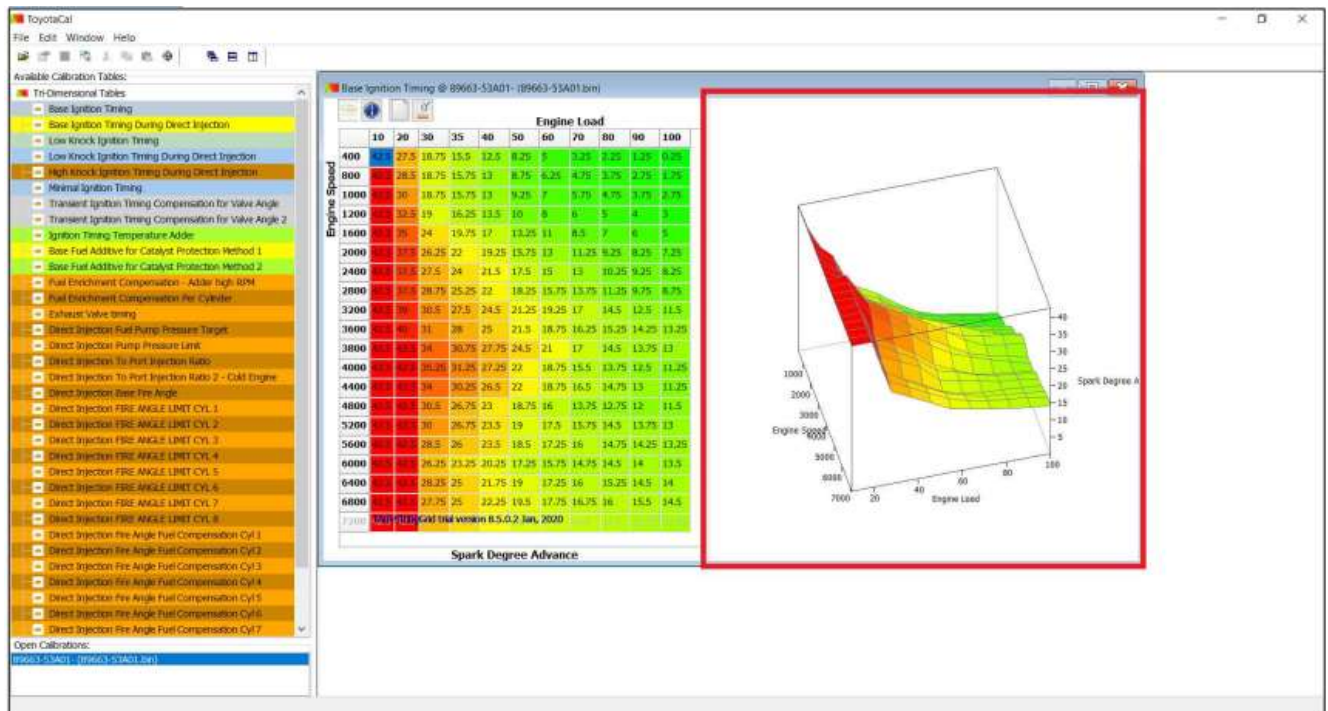
9.4.6. Moving the Map Window

When you hover your cursor along the Title/Name of the map window, you can click and drag your mouse to move the window accordingly.



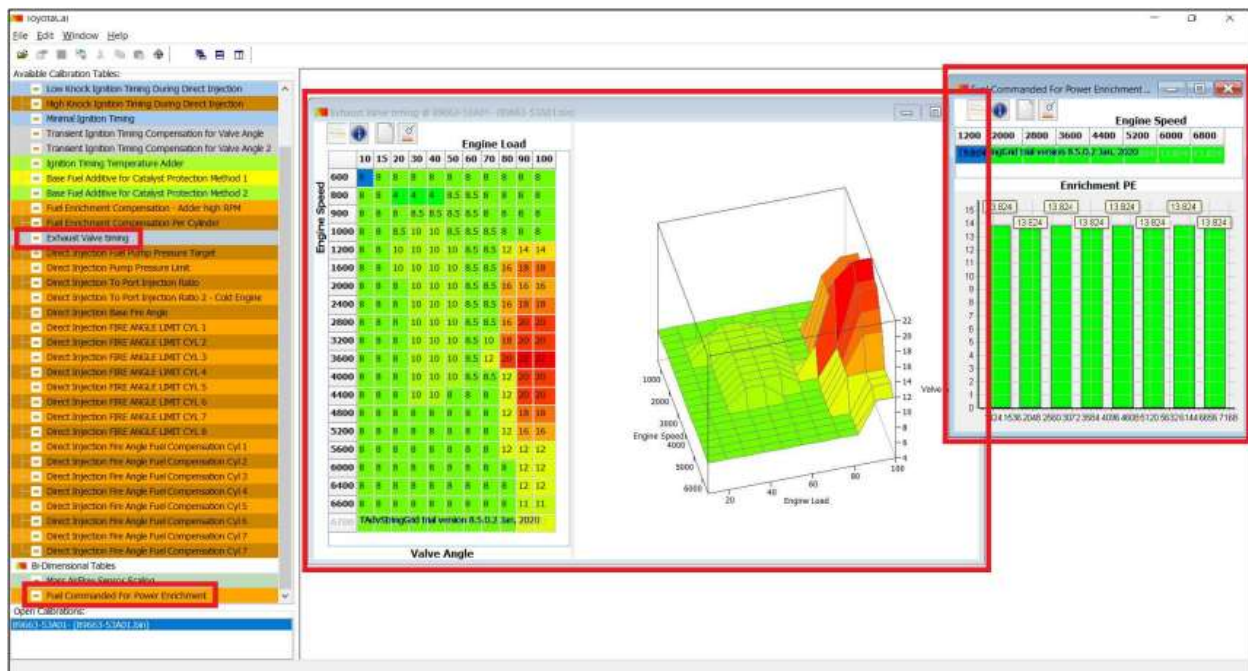
9.4.7. Panning 3D Maps (not possible with 1D and 2D maps)

When you hover your cursor over the 3D Map, your cursor will change its icon; you can then click and drag your mouse to pan the map accordingly



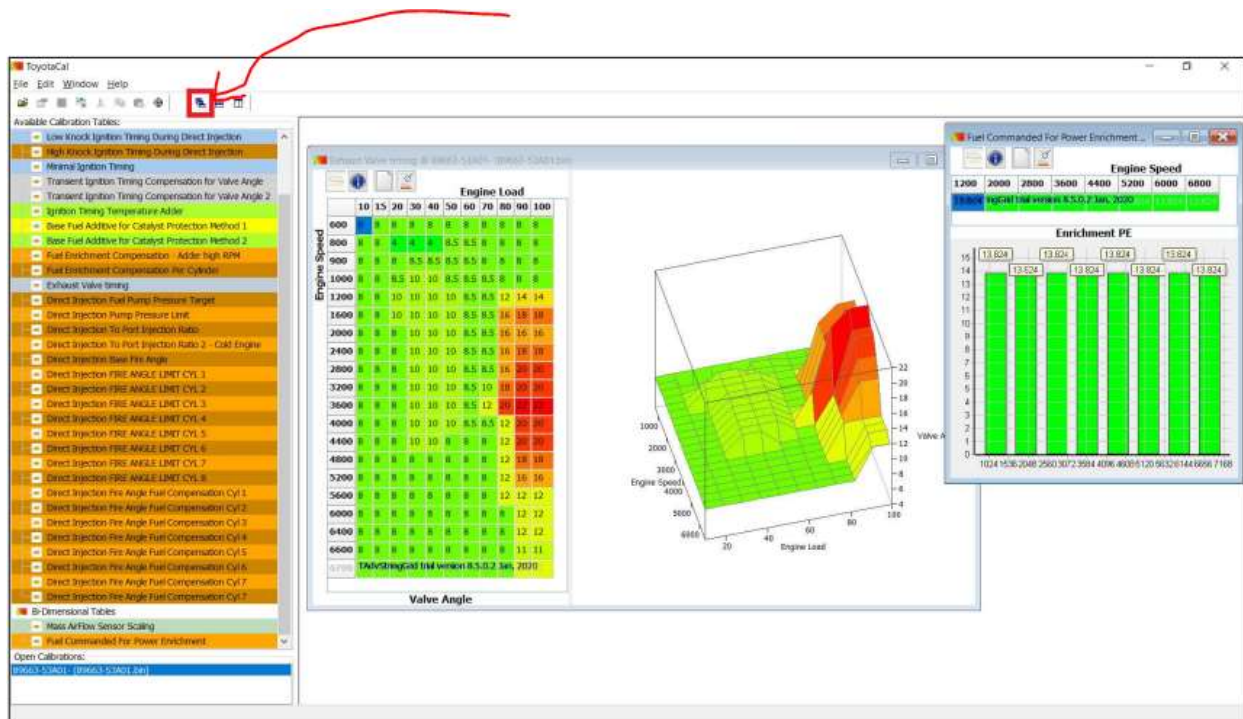
9.4.8. Opening Multiple Windows

You can open multiple windows by selecting other maps that are not yet open and follow the instructions on how to open a map above.

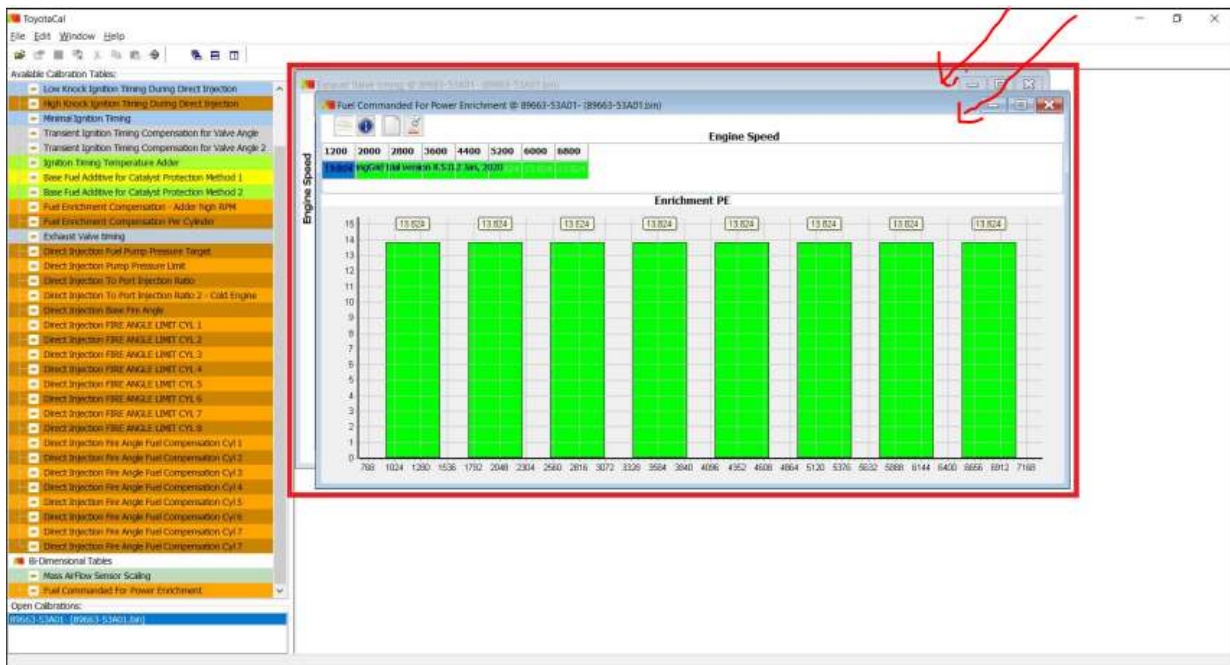


9.4.9. Cascading Multiple Windows

Click on the “Cascade” icon on the menu shortcut items

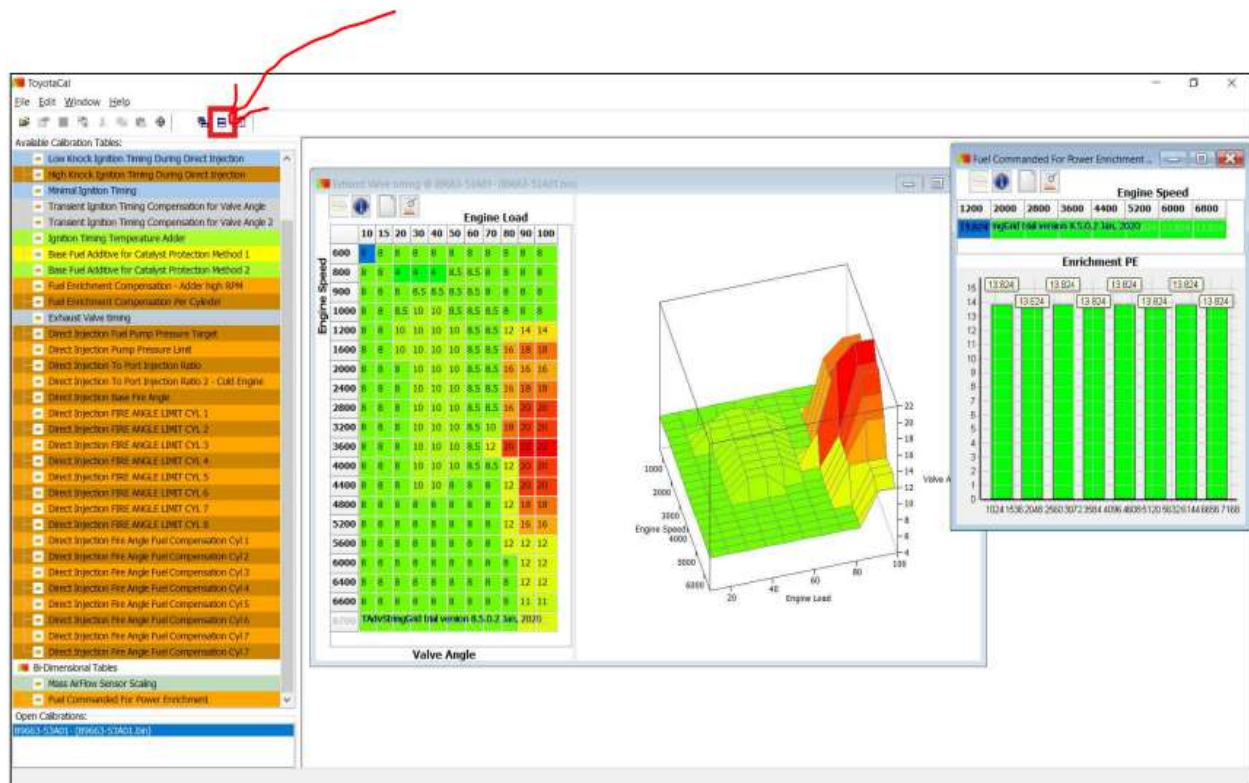


Results: Multiple open windows are placed on top of each other

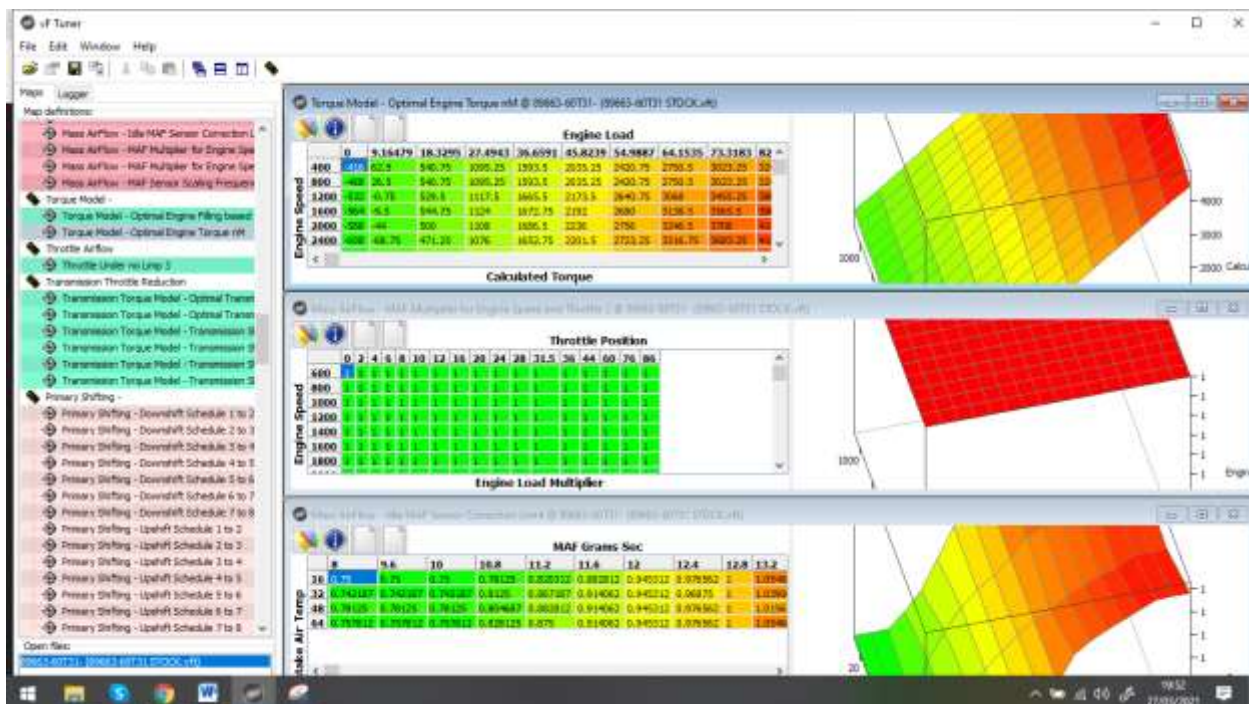


9.4.10. Horizontal Tiling Multiple Windows

Click on the “Tile Horizontally” icon on the menu shortcuts

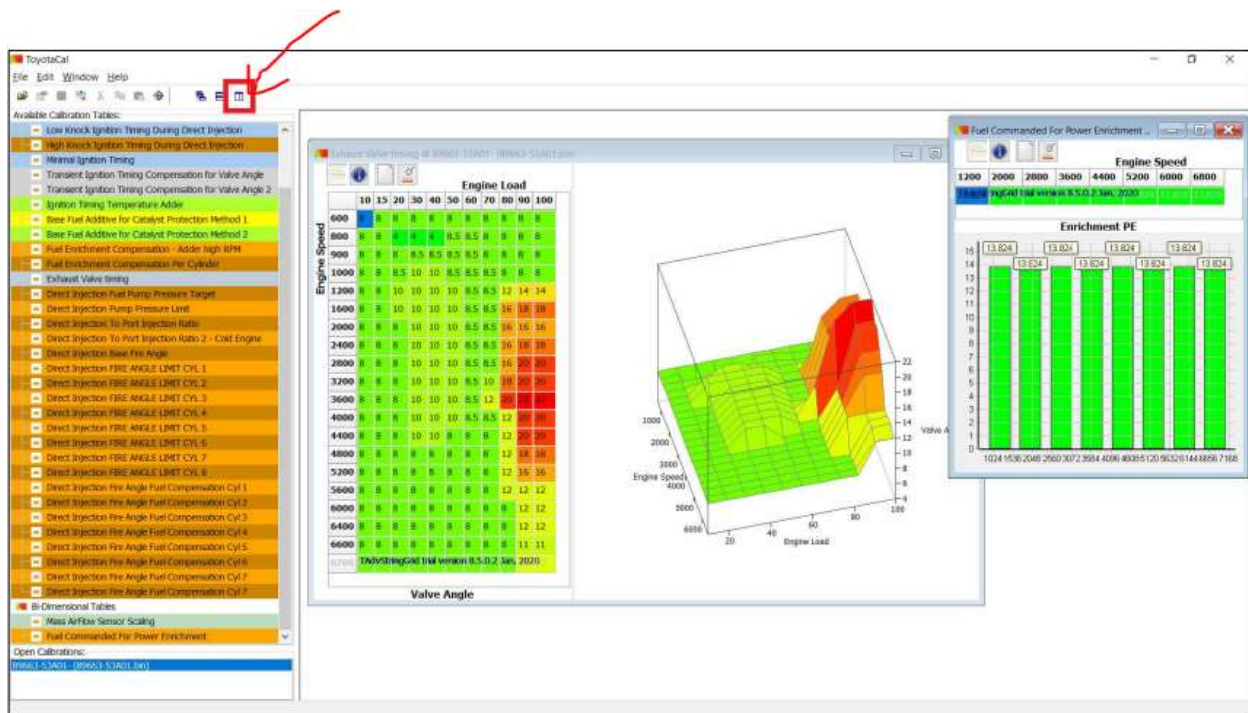


Results: Open windows are placed horizontally in the Edit Window

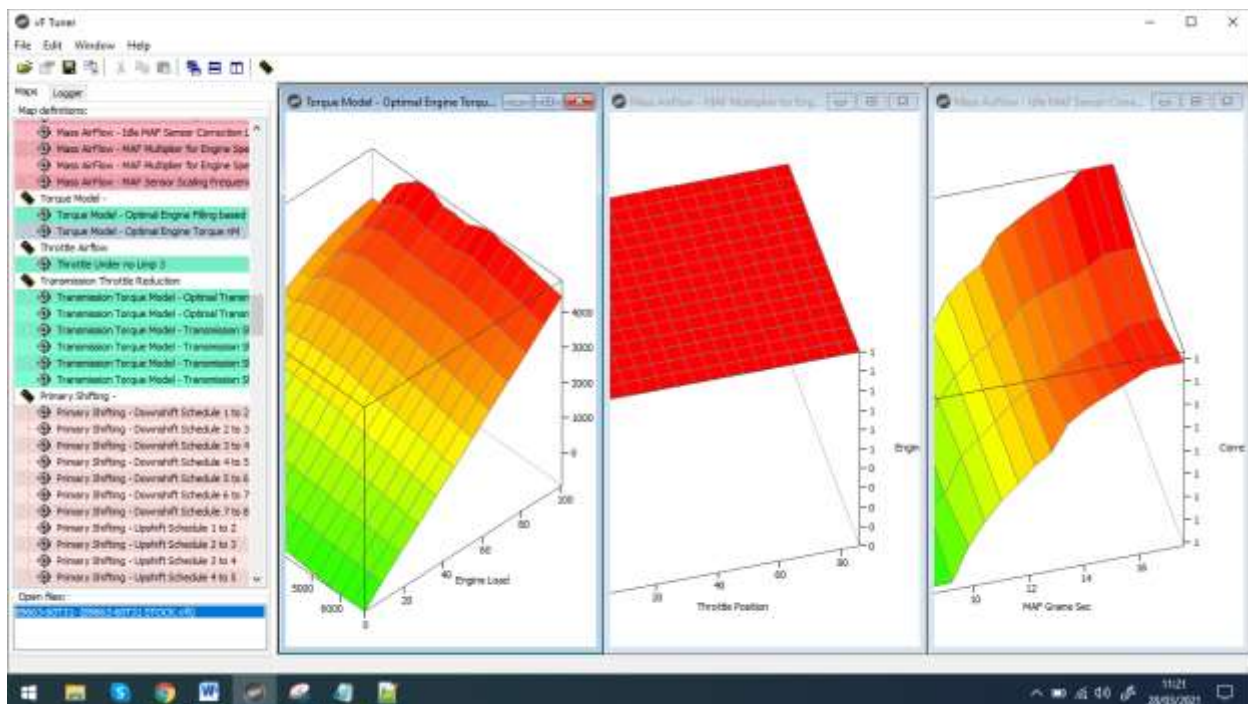


9.4.11. Vertical Tiling Multiple Windows

Click on “Tile Vertically” icon on the menu shortcut

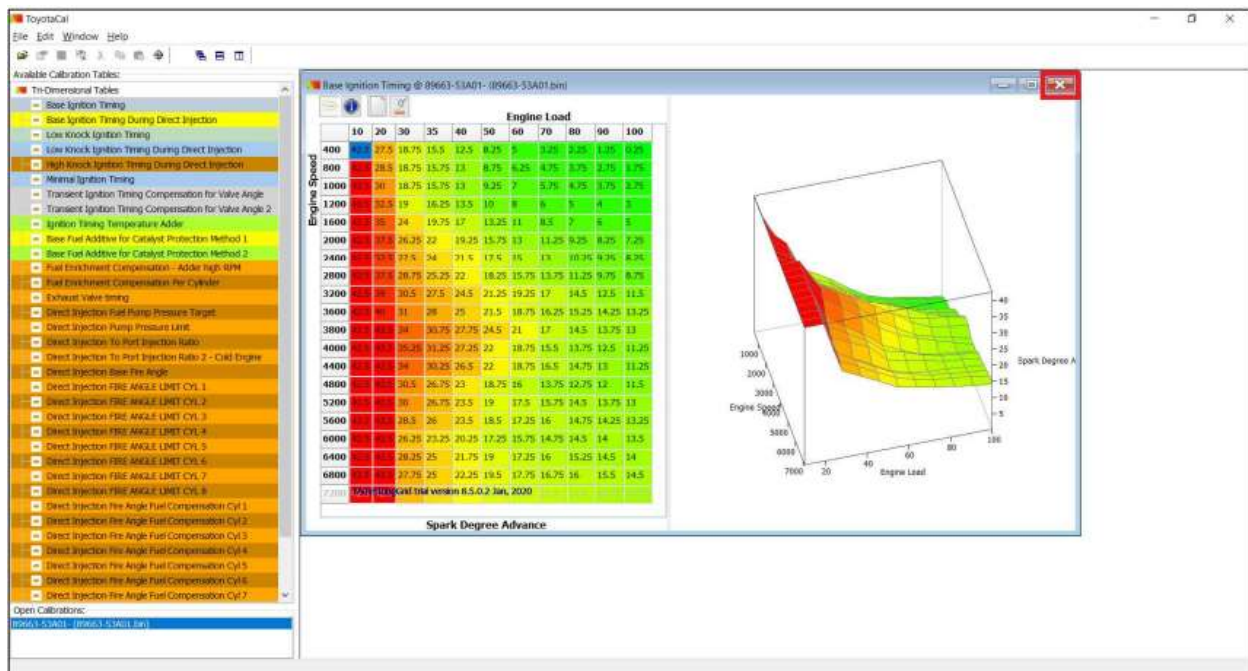


Results: Open windows are placed vertically in the edit window

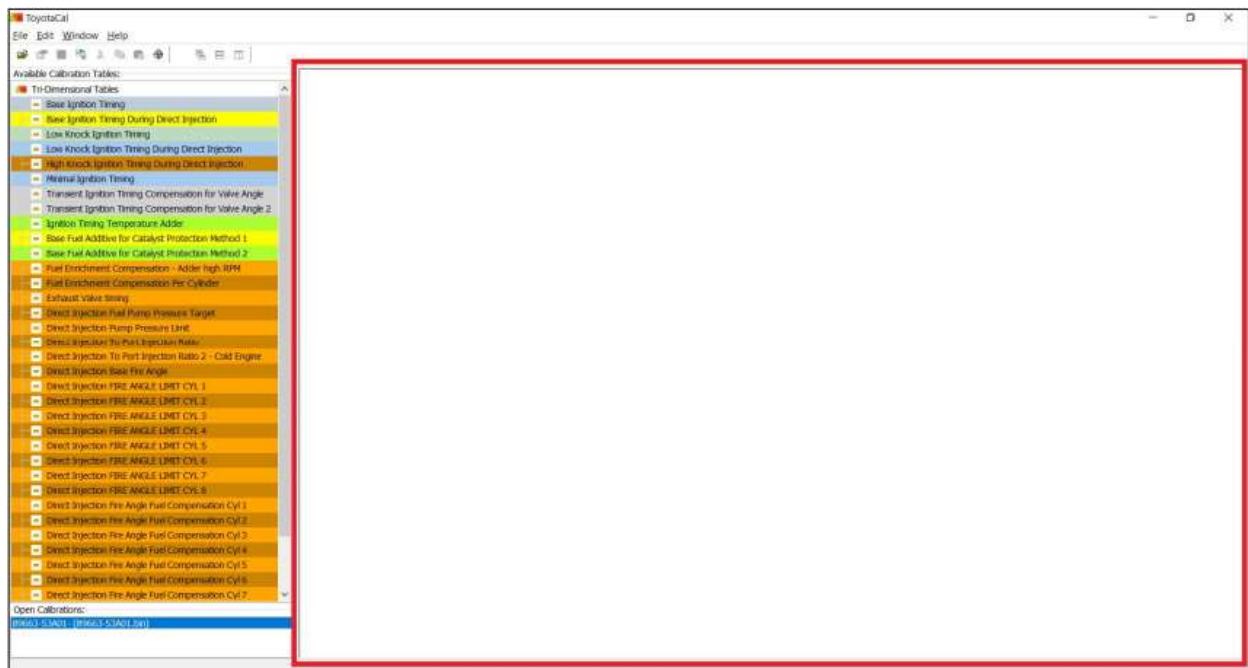


9.4.12. Closing the Map Window

Click on the “Close” button



Results: The edit window is left blank



9.5. Editing values on a map / table

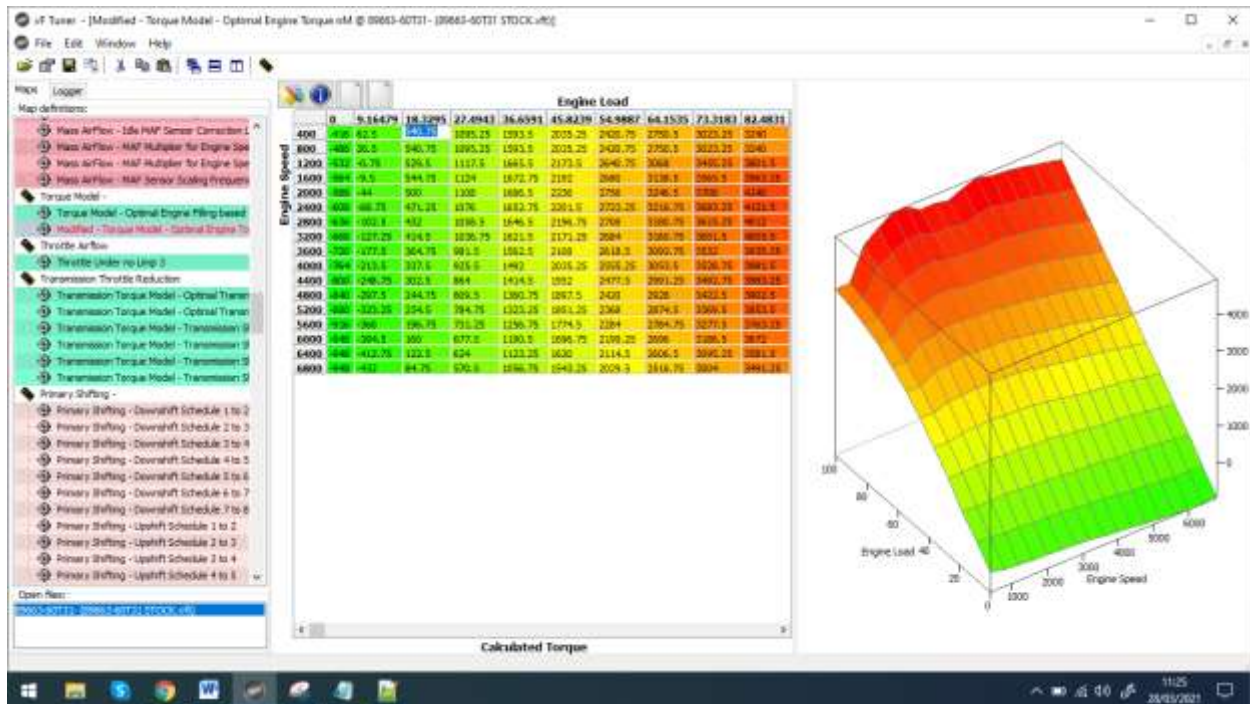
VF Tuner software can edit the values and the axis data of available tables and controls

[Back to the top](#)

9.5.1. 3D Map

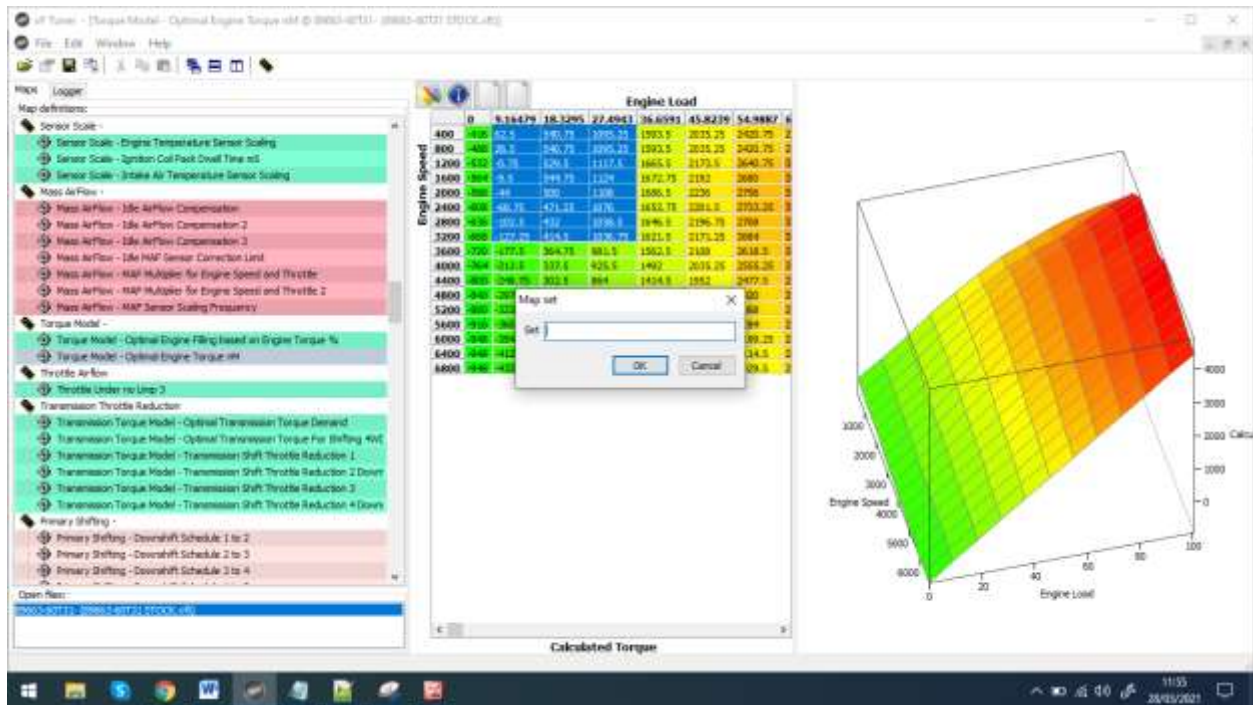
9.5.1.1. *OPTION 1: Editing one cell at a time*

- Select and double-click on a value/cell in the map you want to edit,
- Type in your desired value.
- Click the “Enter” key on your keyboard to finish editing
- The value changes to the value you typed



9.5.1.2. *OPTION 2: Editing multiple cells at once*

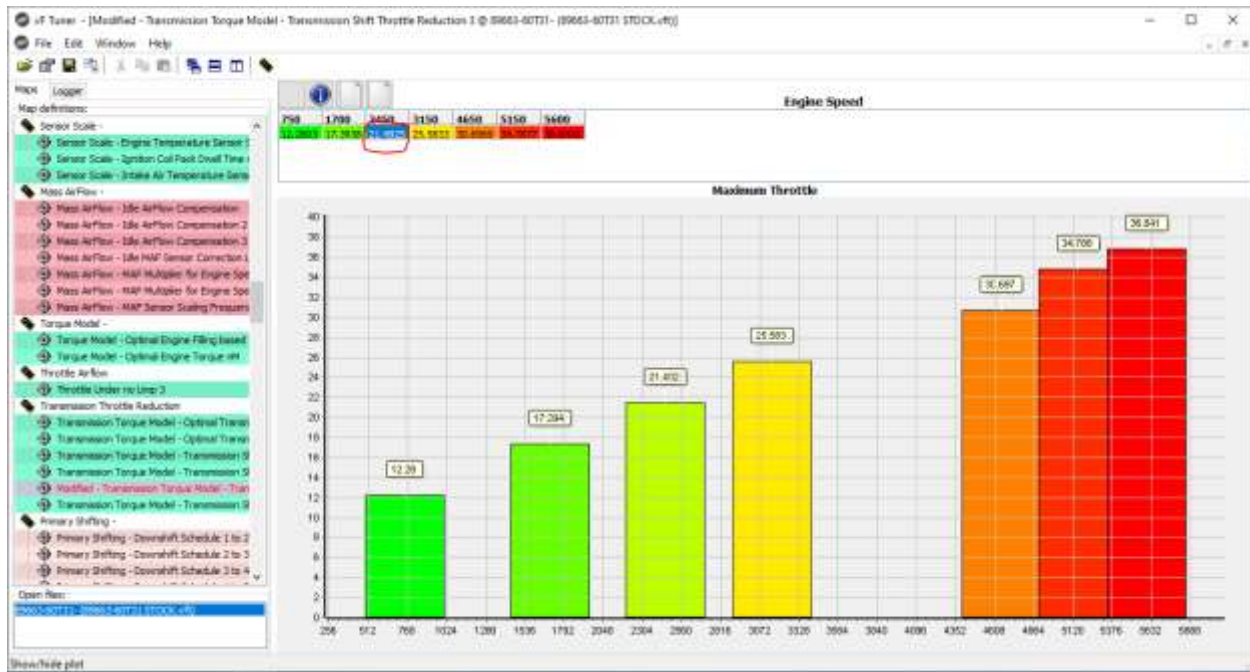
You can select a cell, or highlight an area of cells, and press CTRL+F to edit the value:



9.5.2. 2D Map

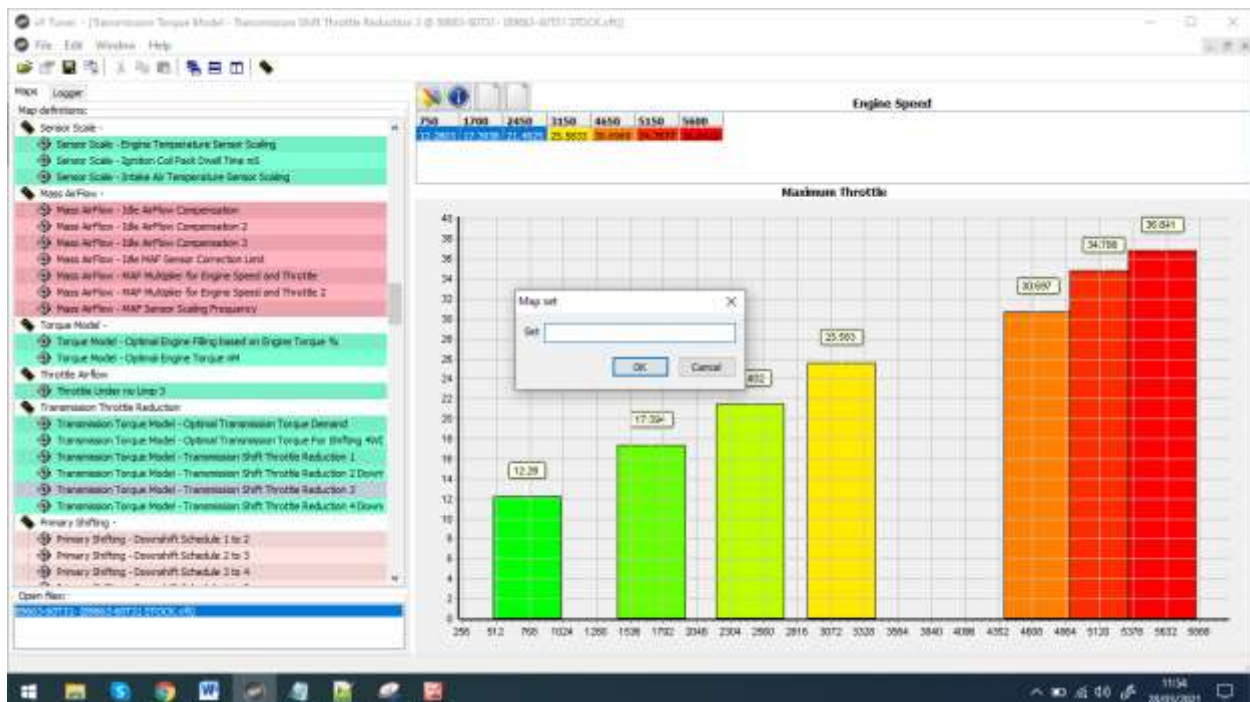
9.5.2.1. *OPTION 1: Editing one cell at a time*

- Select and double-click on a value/cell in the map you want to edit,
- Type in your desired value.
- Click the “Enter” key on your keyboard to finish editing.
- The value changes to the value you typed



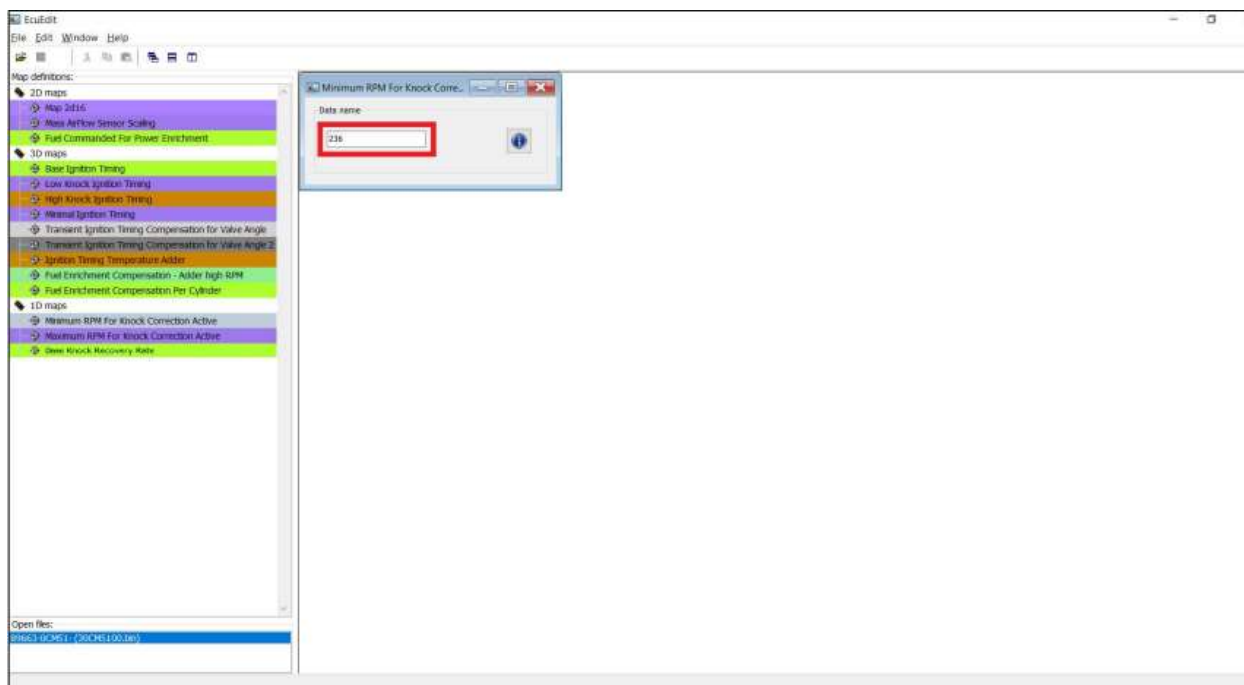
9.5.2.2. *OPTION 2: Editing multiple cells at once*

You can select a cell, or highlight an area of cells, and press CTRL+F to edit the value:



9.5.3. 1D Map


- Click on the Text Box and type in your desired value.

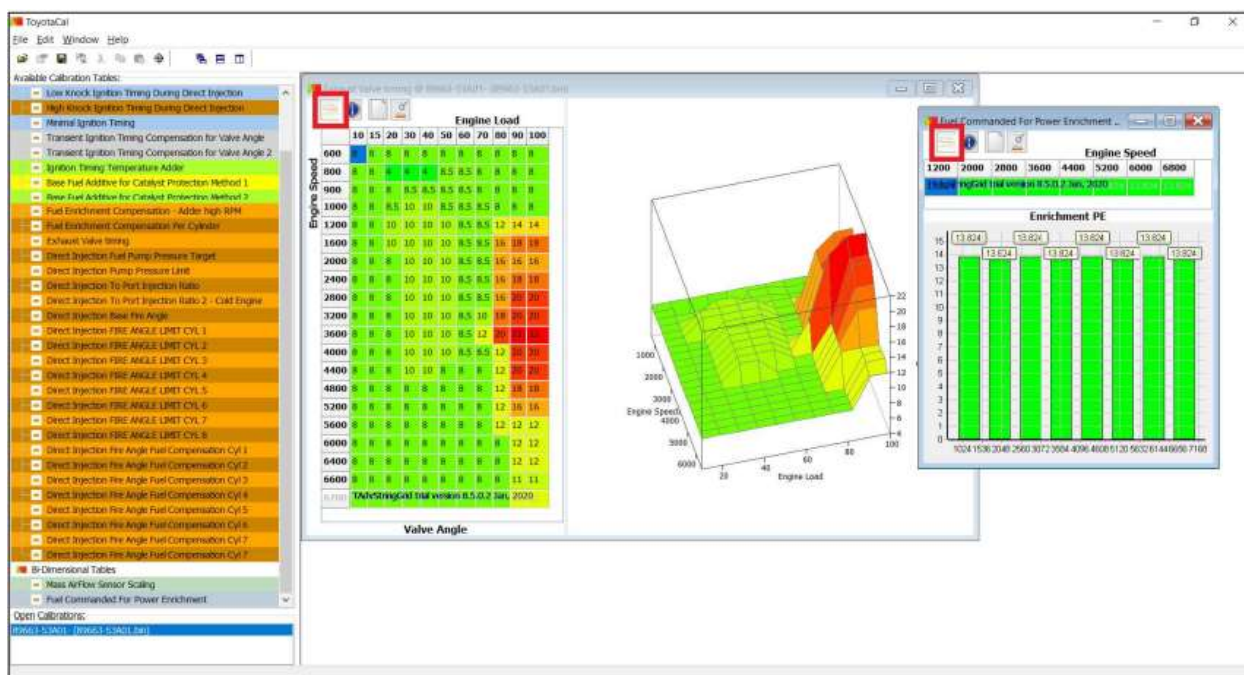


9.6. Navigating the 2D and 3D Map Functions


i. **Show/Hide Plot**

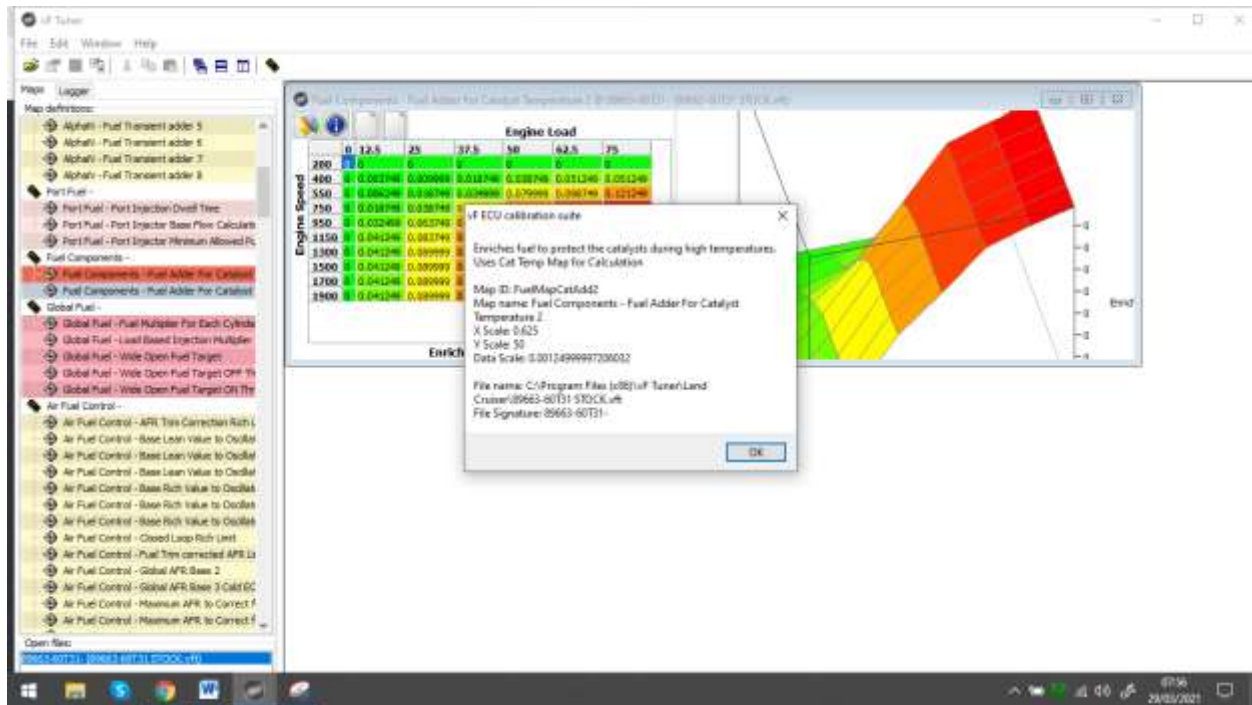


Click on “Show/Hide Plot” icon  on the map windows. This hides the 3D or 2D graph and only displays the data and not the graphs



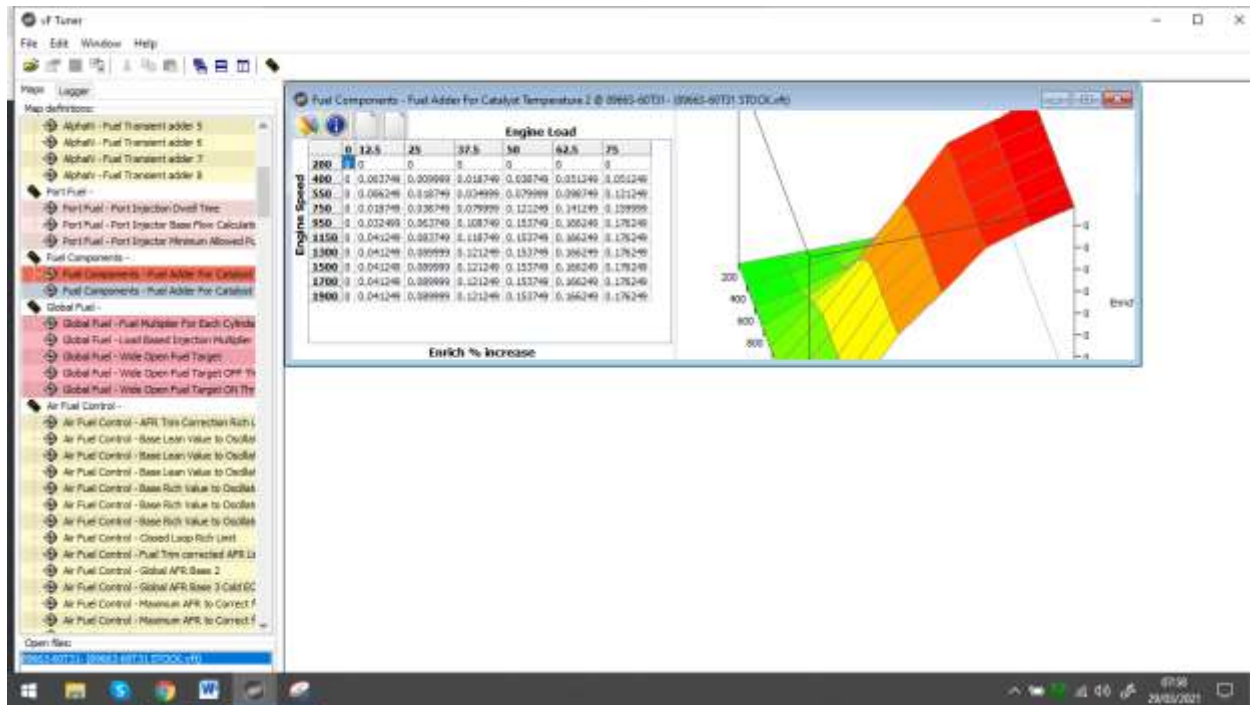
ii. Show Map Information

Click on the “Show Map Information” icon . This shows a detailed explanation of the open map




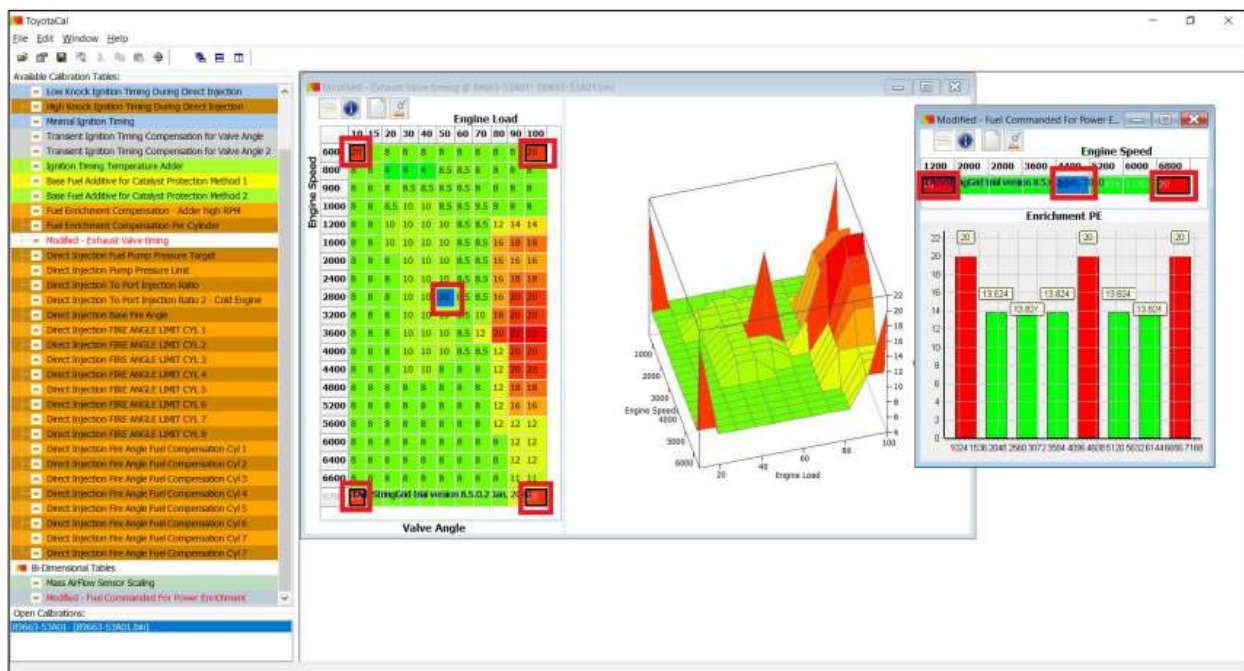
iii. Change Table Color Mode

Click on the “Change Table Color Mode” icon . The table color changes from coloured to just white and black



iv. Highlight Changed Values

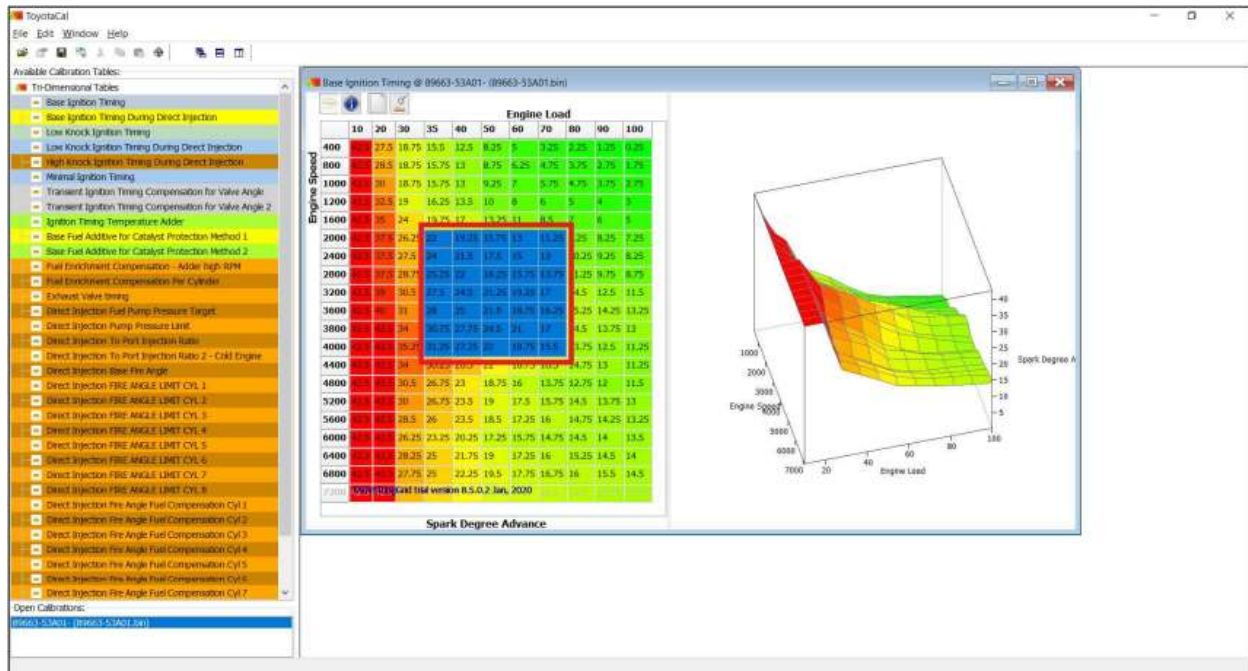
Click on the “Highlight Changed Values” icon . This highlights all edited values in the map table.



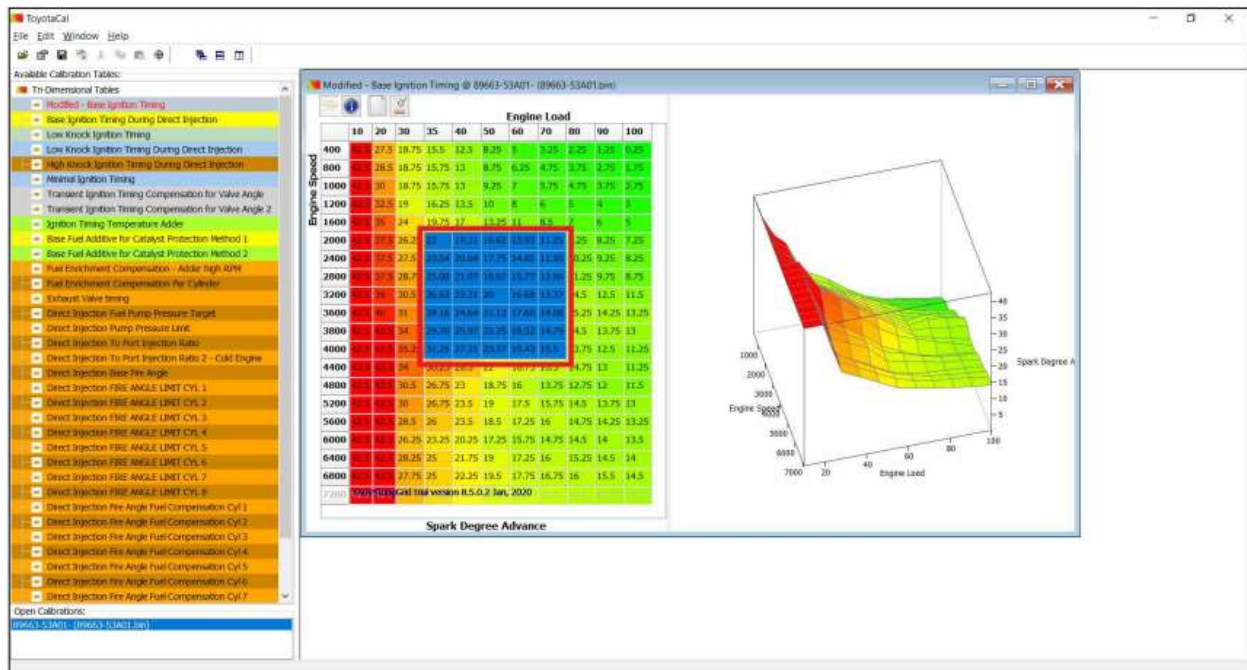
9.7. Value Interpolation

Interpolation means to alter the values by inserting new values for example from another table/source.

- i. 2D Map and 3D Map
 - a. Select the values you want to interpolate



- b. Press CTRL + I on your keyboard to interpolate

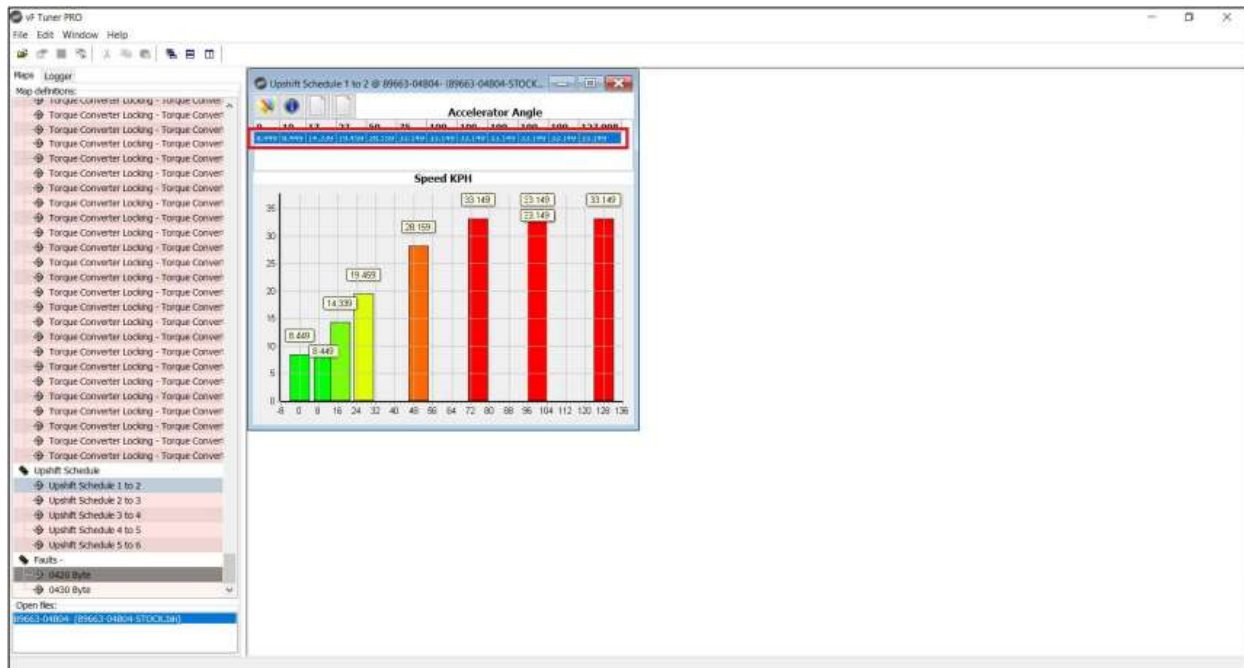


9.8. Select All, Copy, Paste

9.8.1. Select All

To select all the values in the active map, simultaneously

- Press the “Ctrl” button and the “A” button on your keyboard. All the values in the active map should be highlighted like this example:



9.8.2. Copy

To copy selected values from the active map, simultaneously

- i. Press the “Ctrl” button and the “C” button on your keyboard.

Note: There is no visual confirmation for this action, but you should be able to verify that you were able to copy the values once you “Paste” the values over to another map.

9.8.3. Paste

The last “copied” values are pasted on to the selected active map. To do this, simultaneously

- i. Press the “Ctrl” button and the “V” button on your keyboard. The values you copied should be applied to the selected active map. A sample will look like the example below.

Before:



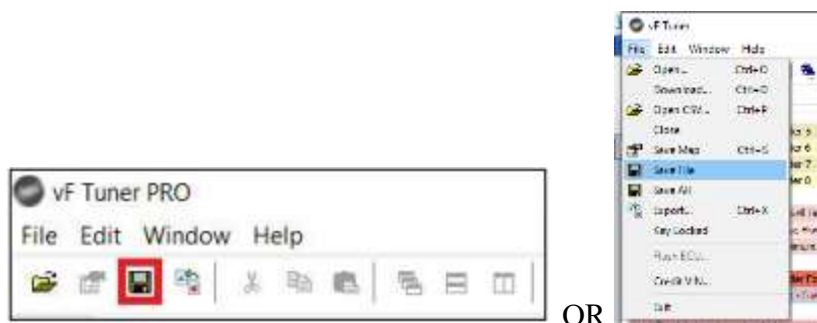
After:



9.9. Map Compare

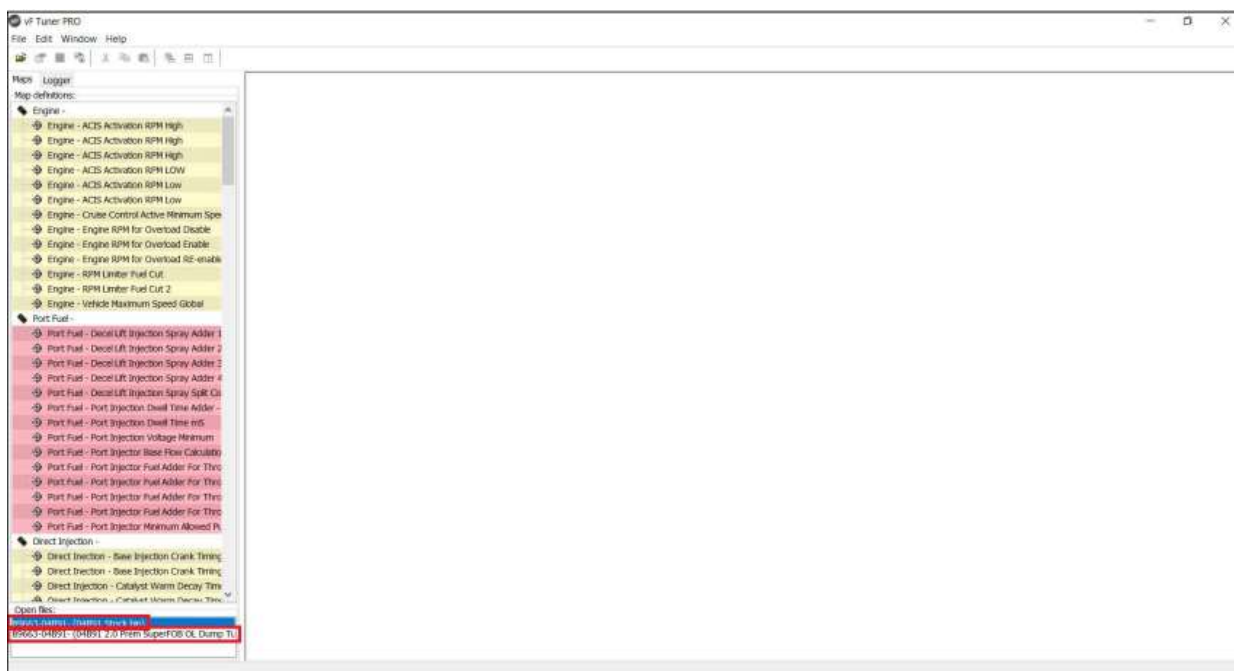
You can compare two (2) tune files at a time. If you have three (3) tune files open, you must close one of the three to activate the Map Compare function. You cannot compare unsaved tunes. If you see the “Save” button is colored before Map Comparing, you’ll get an error. Save your work first before comparing tunes.

Click on the save Icon on the menu shortcut or press “File” then “Save File” menu



To use the Map Compare function,

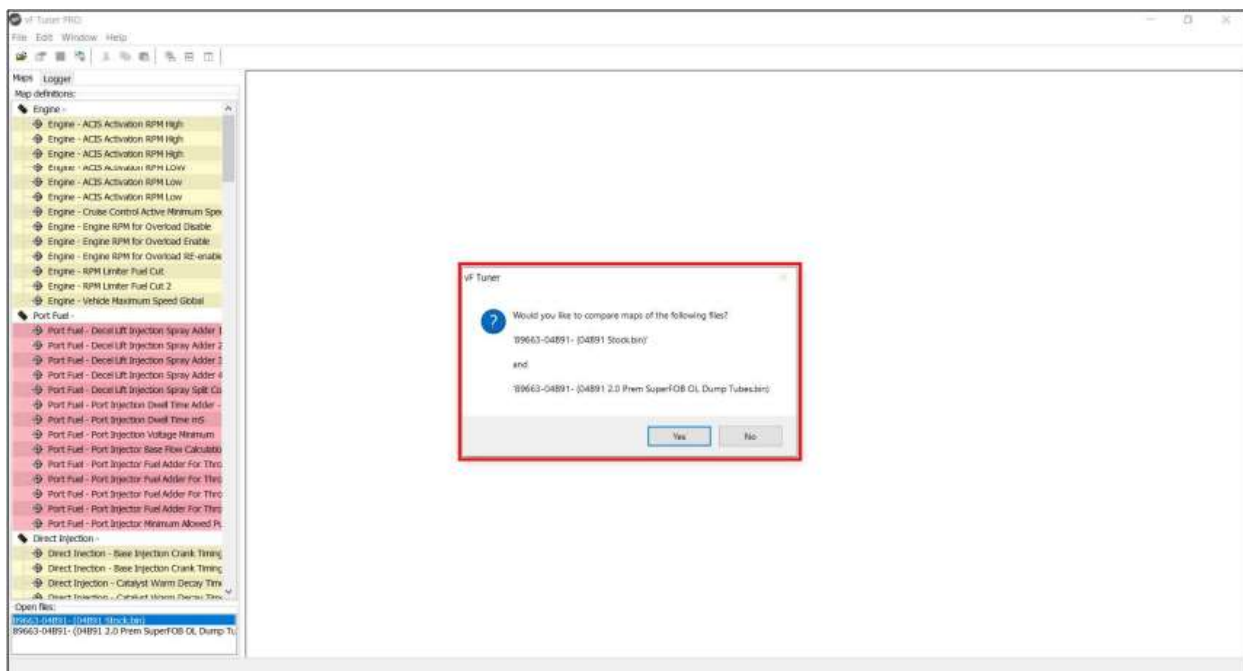
- i. Open two (2) tune files.
 - ❖ We recommend that you only compare tunes that have the same ECU ID (e.g. 04B04 vs 04B04, 04B80 vs 04B80, etc.)



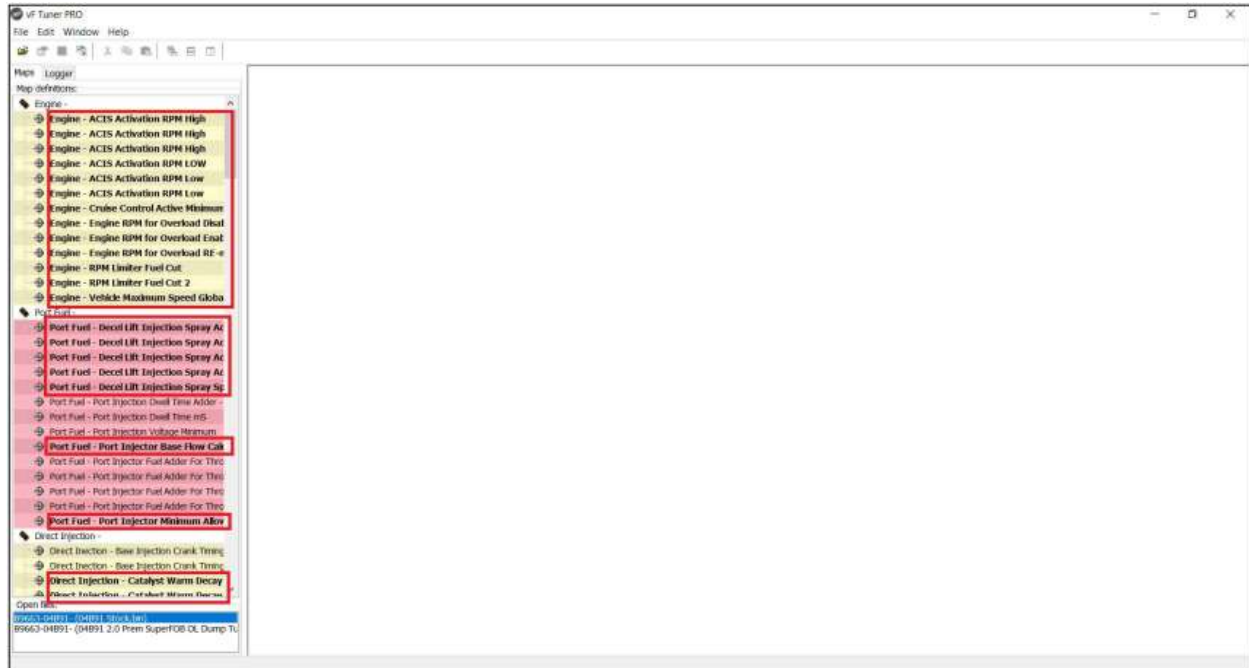
- ii. Next, hover your mouse over to one of the two maps and press on the “Right Click” button of your mouse. A pop-up window will open



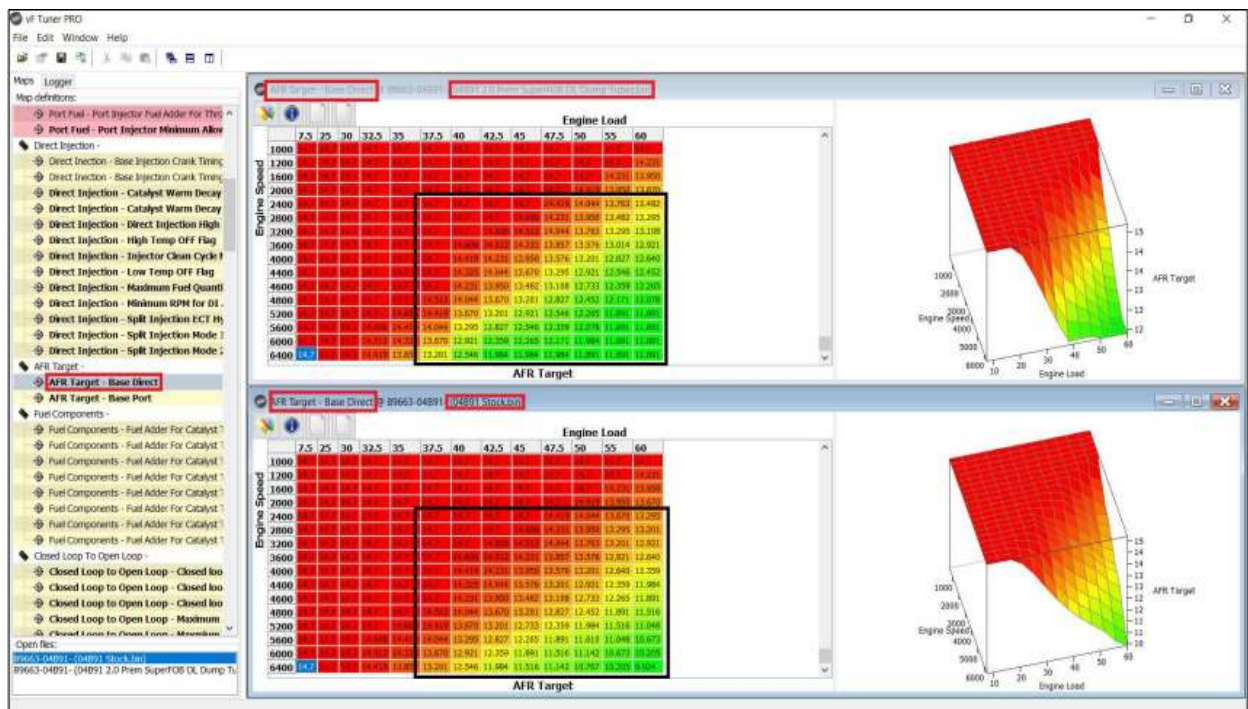
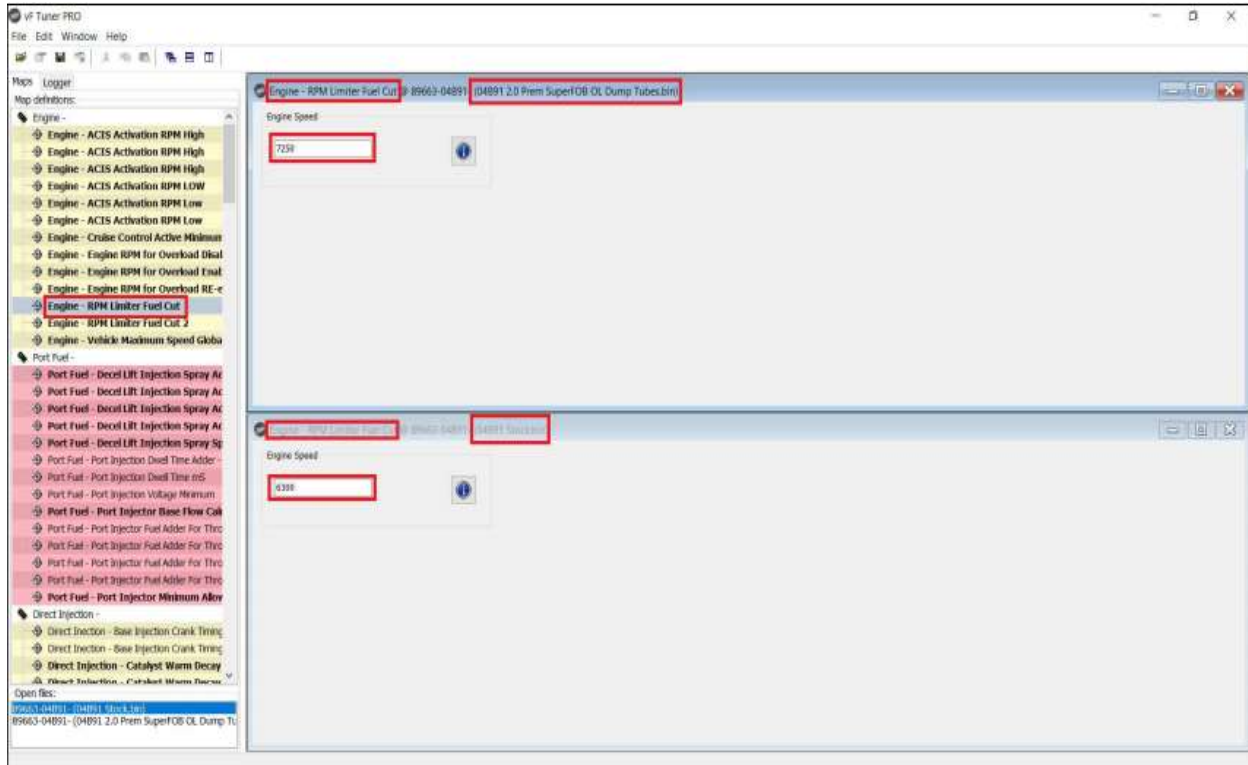
- iii. Click “Compare Files”
- iv. A confirmatory window will open asking if you want to proceed with comparing the two (2) tune files opened. Click on the “Yes” button if you want to proceed with the Map Compare. Click on the “No” button if you do not want to proceed with the Map Compare.



- v. If the program detects a difference in the maps, the title of the maps that are different from each other will be highlighted. If the program does not detect a difference in the maps, the title of the maps that are similar will not be highlighted.

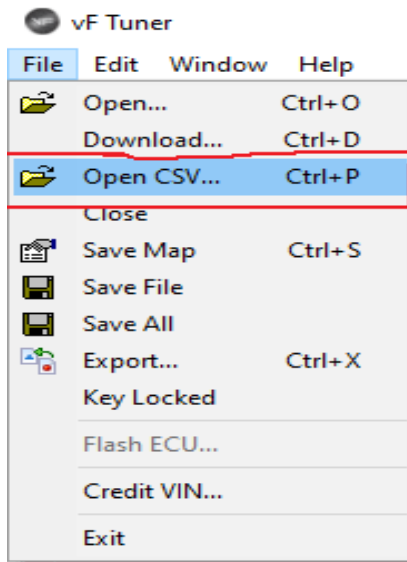


- vi. Double clicking on one of the different maps will open the same map for both tune files and showing the differences between the two

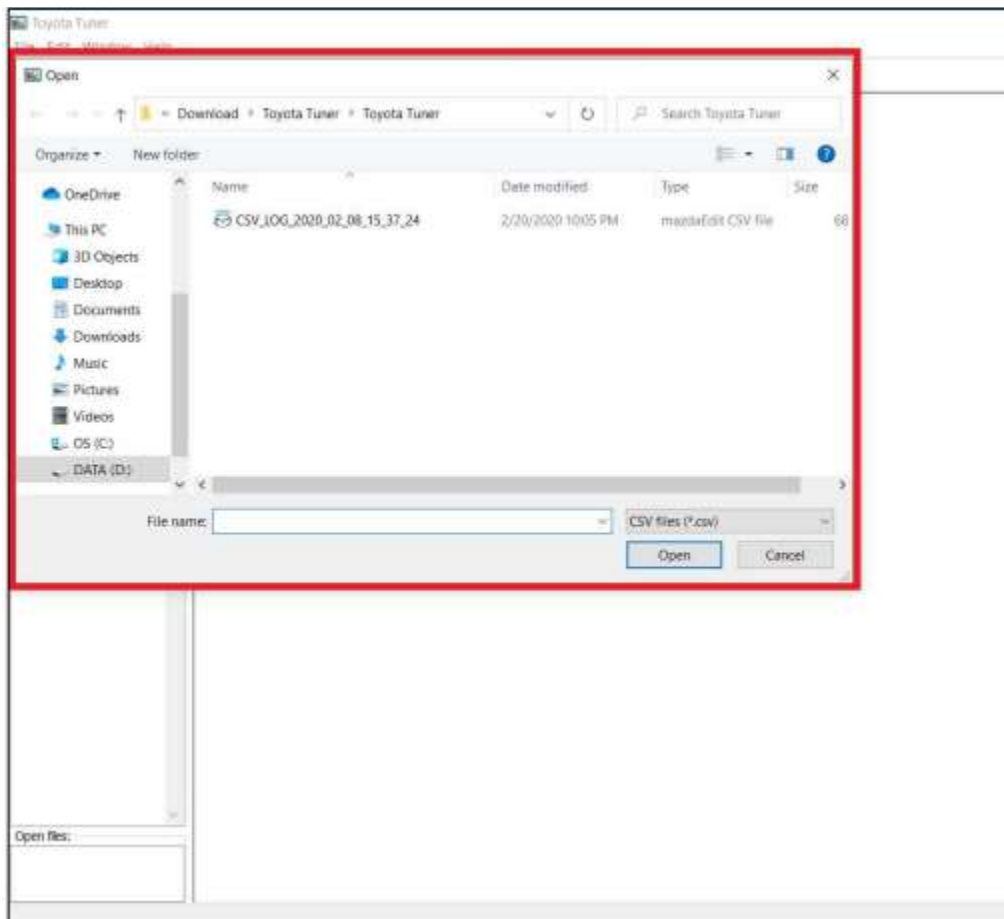


9.10. Opening a CSV (Datalog) File

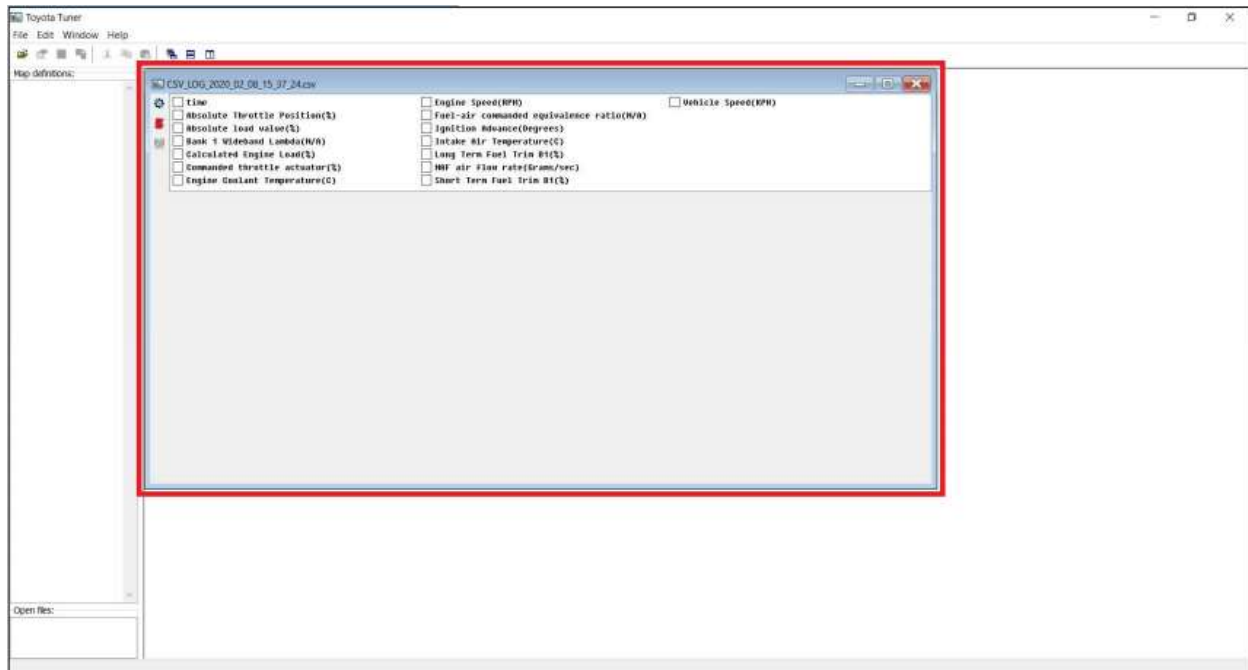
- Open VF Tuner
- Click on “File” menu, and select “Open CSV...” sub menu



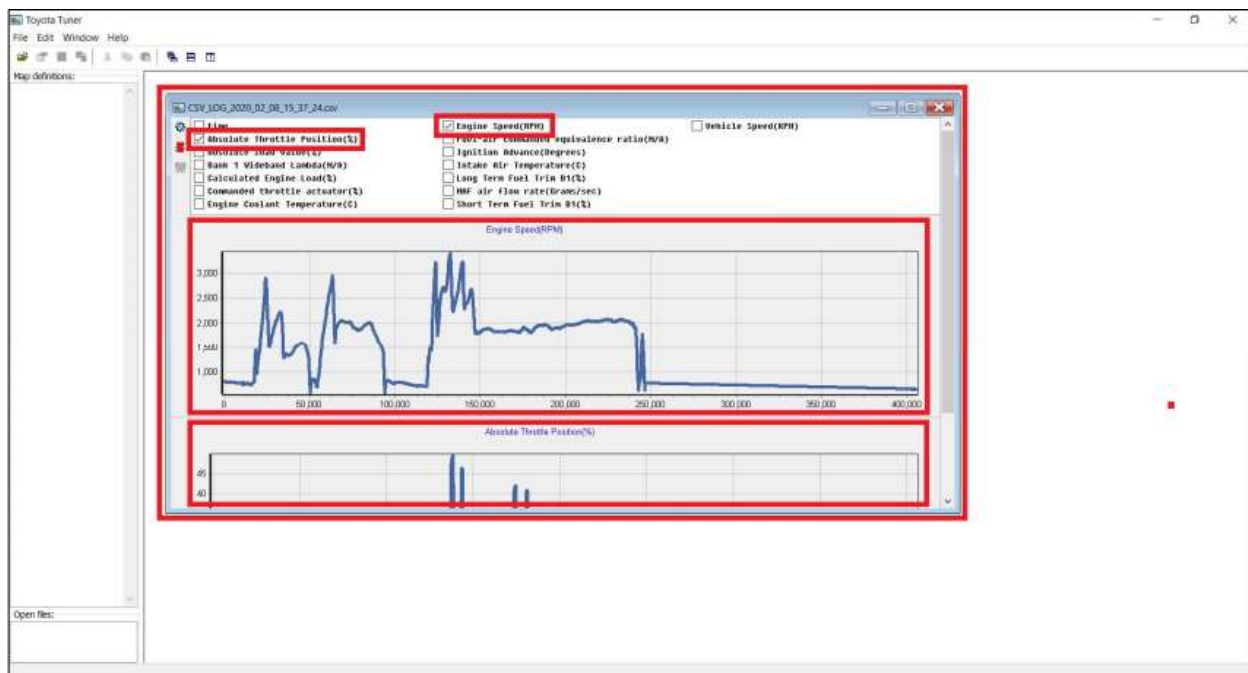
- iii. A window will open that will let you find the CSV file (datalog) from the folder where it's saved



- iv. Select the CSV file (datalog) and click on “Open”



- v. You can select the “parameters” by clicking on the small box in front of the parameters you want to view

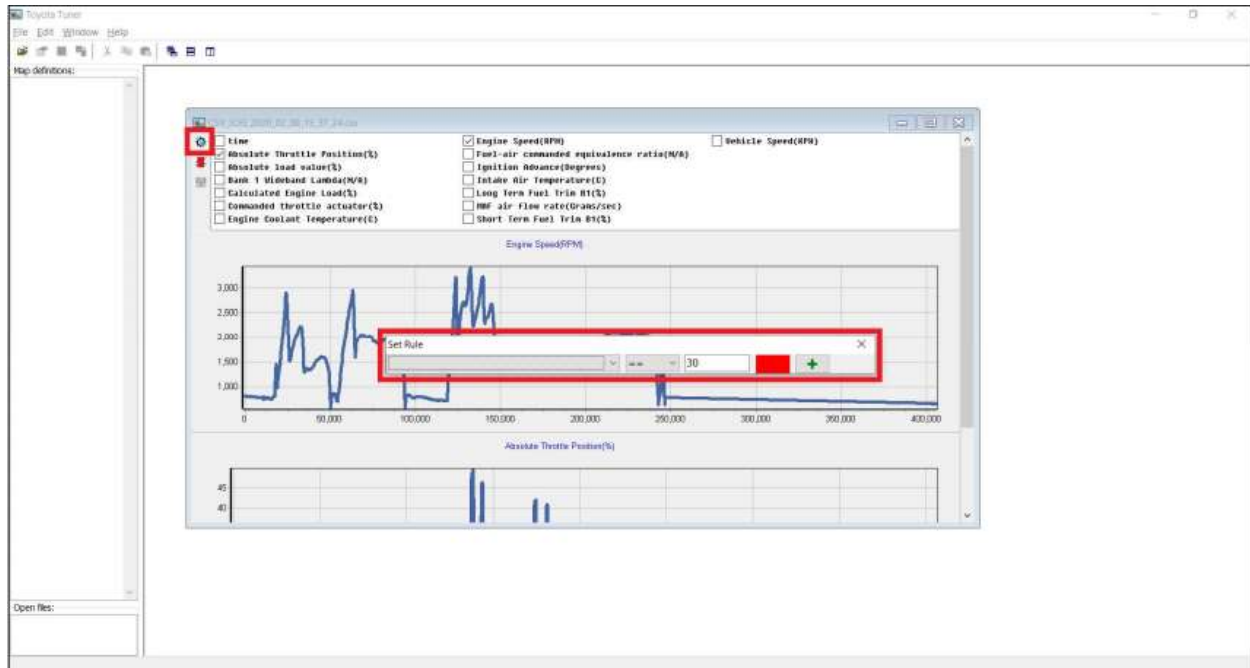


9.10.1. Configuring the Colors Datalog to Highlight Values

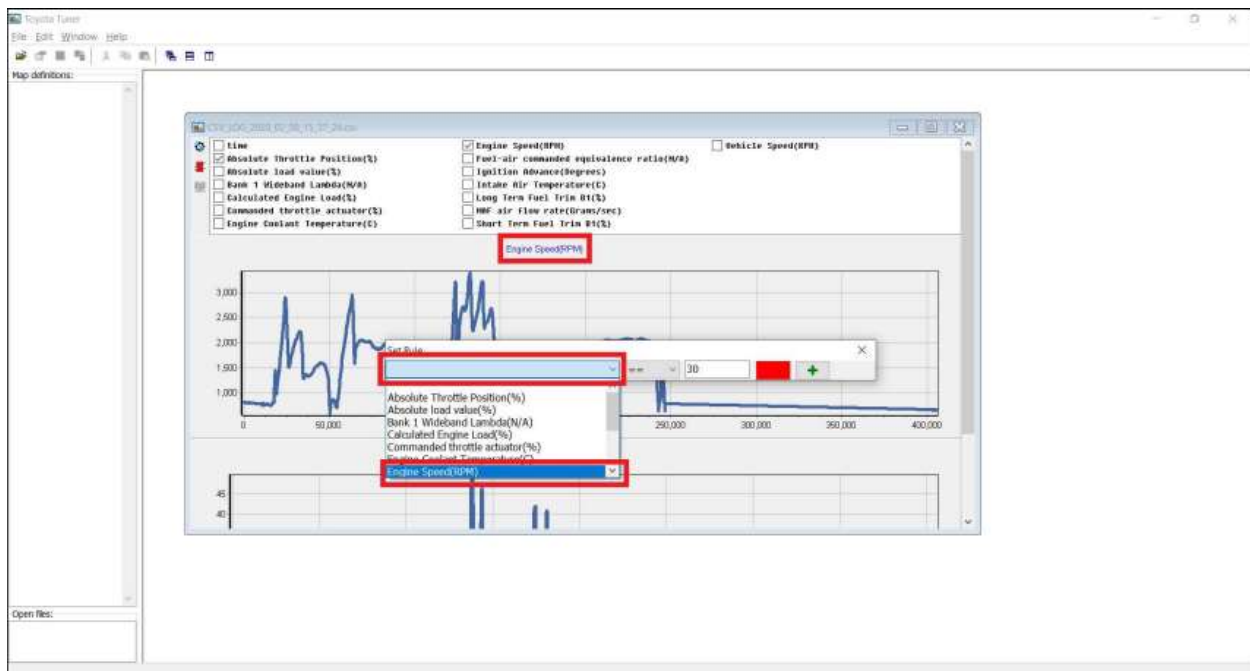
After opening the CSV file

- i. Click on the “Configure Chart” icon (1)

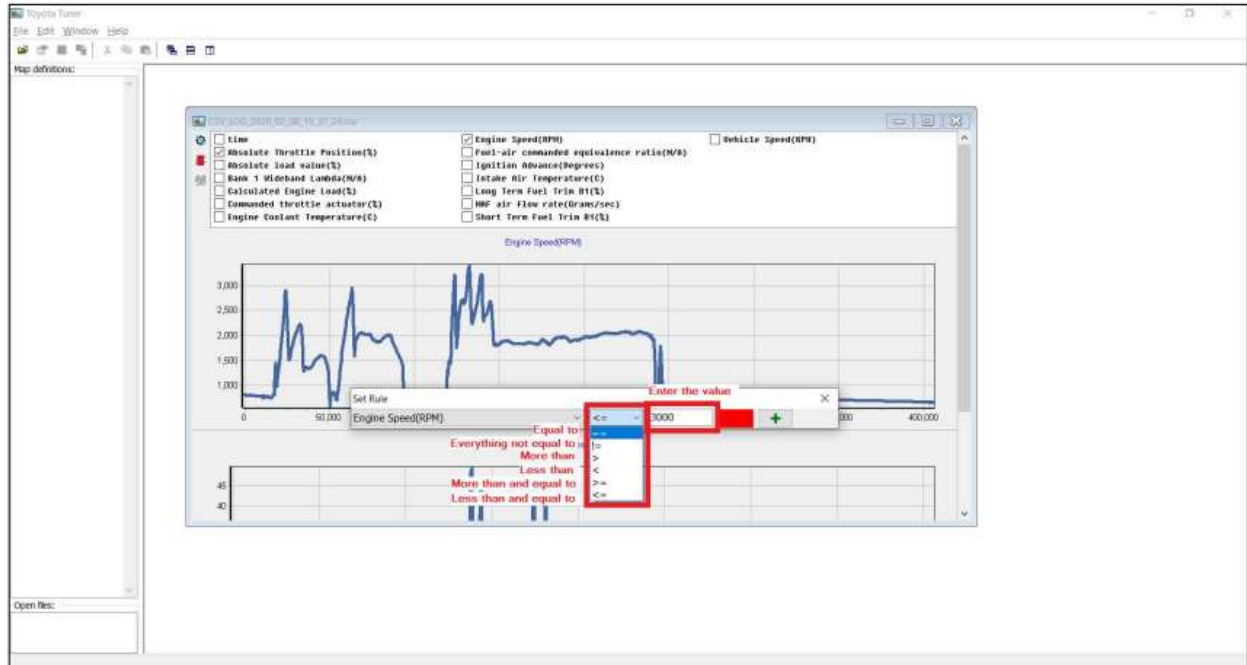
[Back to the top](#)



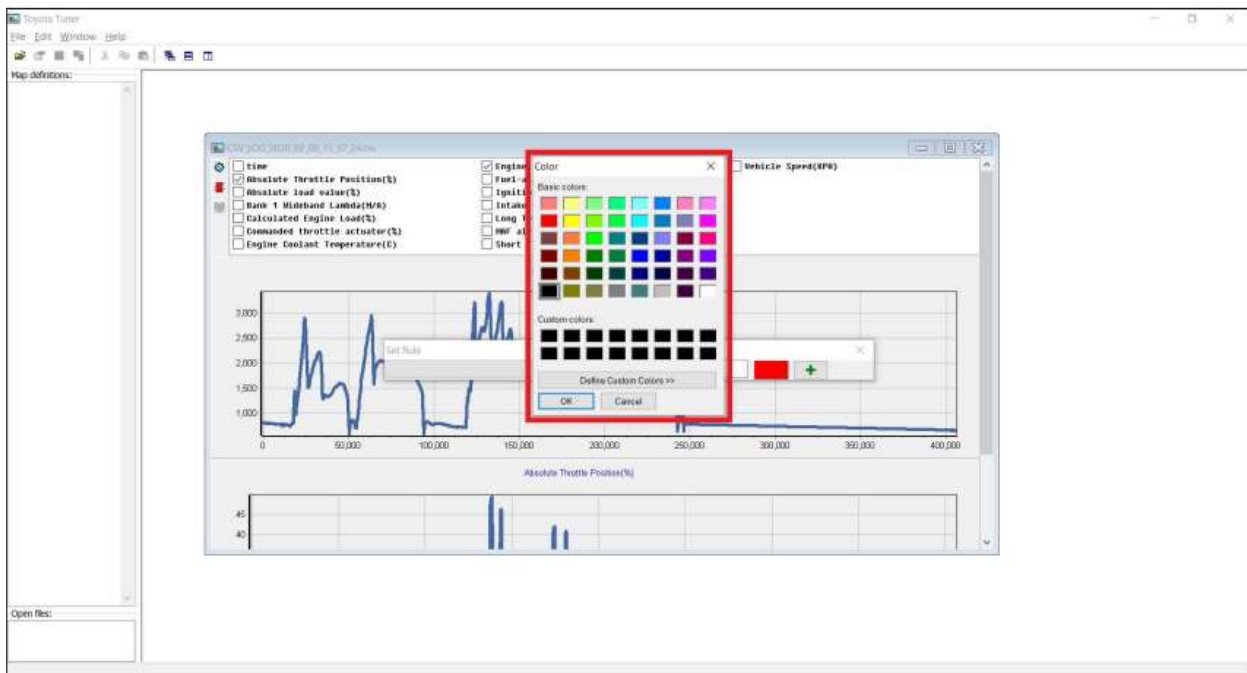
ii. Select which parameters you want to change the color



iii. Set the conditions of the color

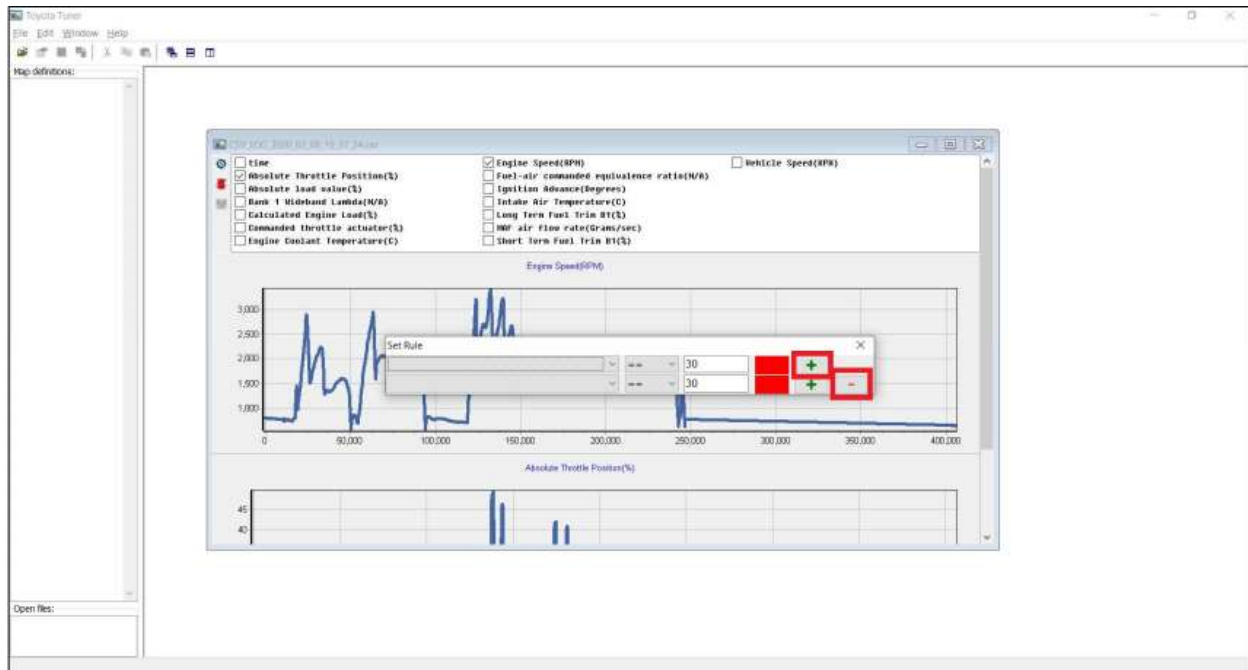


iv. Set the color



NOTES:

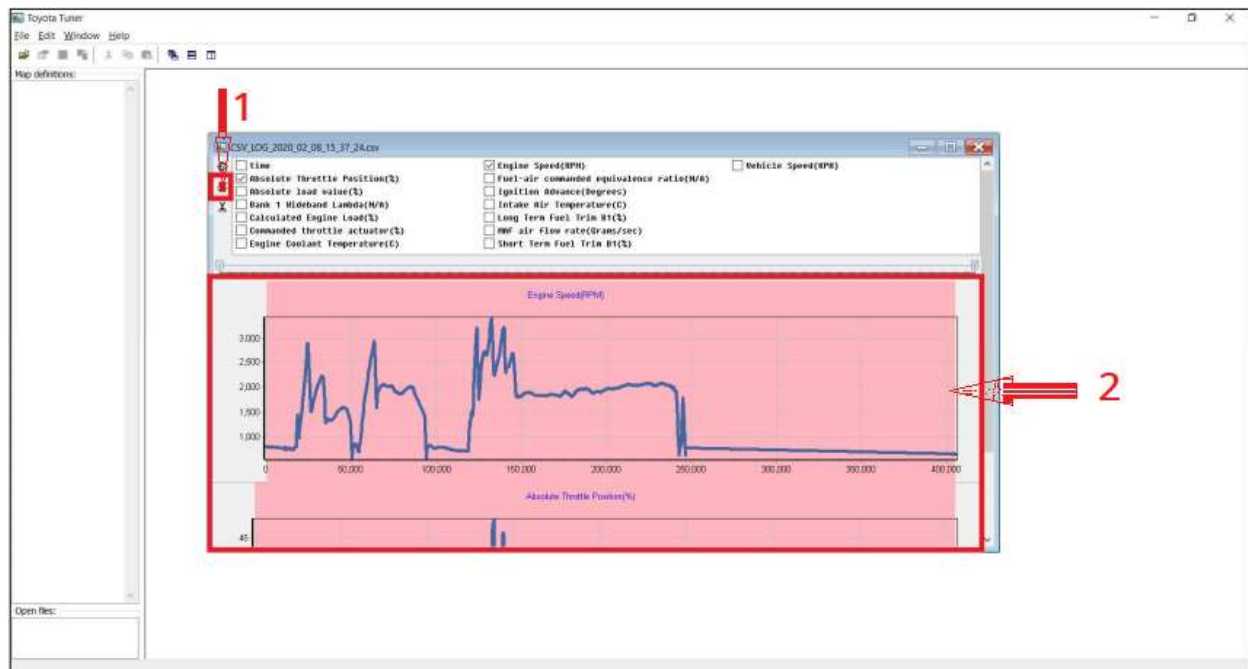
- ✓ You can click the “+” (plus) button to add more highlighting of values. Click on the “-” (minus) sign to remove a condition.



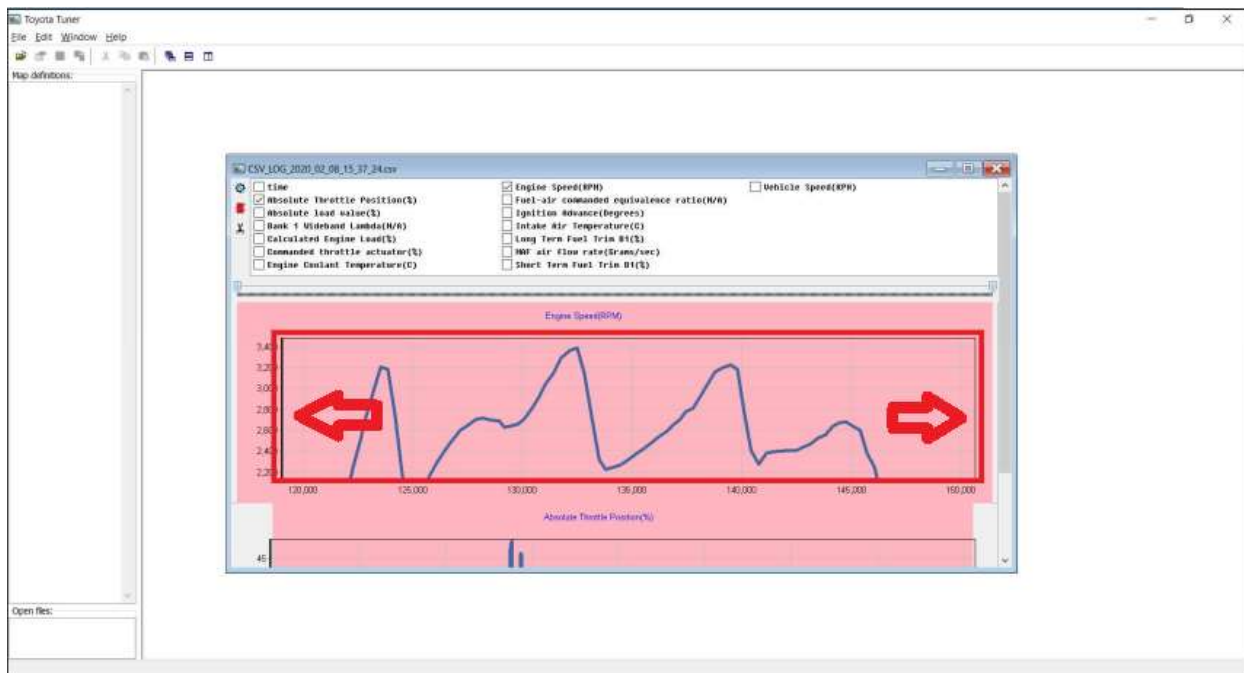
9.10.2. Cutting Part of the Datalog

After Opening the CSV file

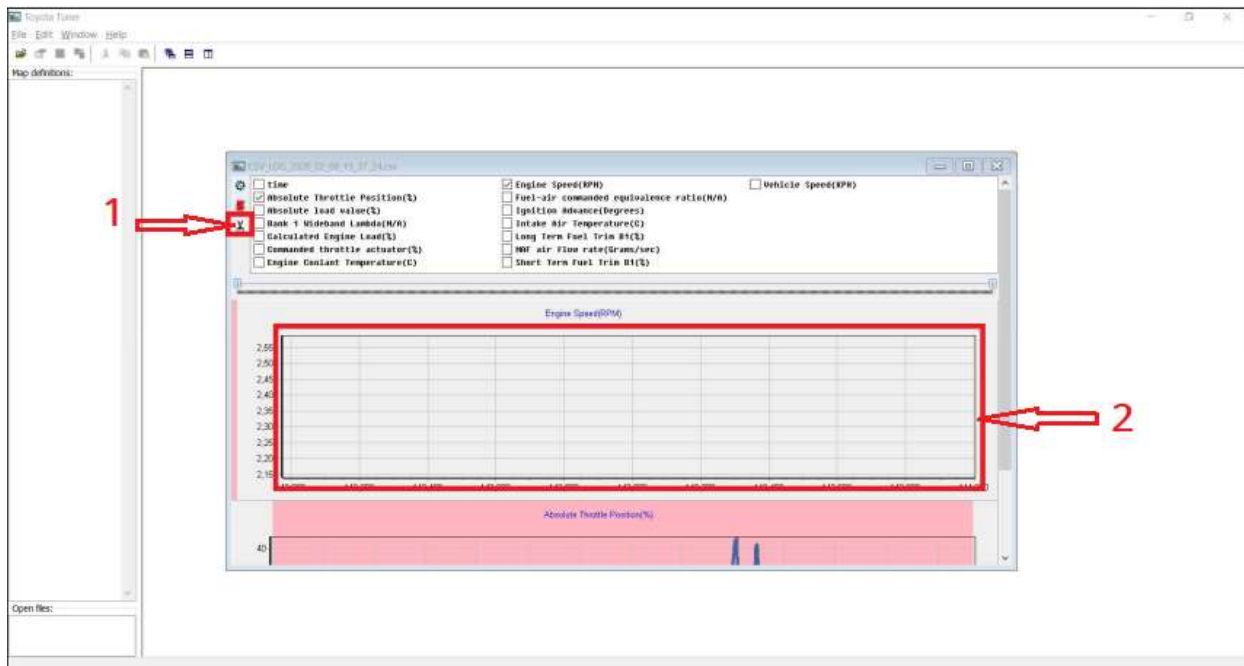
- i. Click on the “Select range to cut” icon (1). The highlighted (in pink) (2) are the data that can be cut.



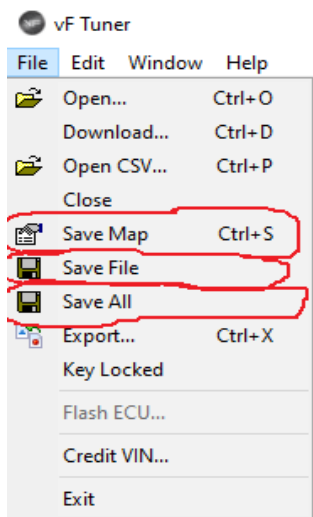
- ii. You can use your mouse to select (click and drag from left to right) a specific area you want to cut (it will zoom in on that area).



- iii. Click on the “Cut selection” to cut the selected range.



9.11. Saving Your Work



a. Saving Map

This saves the changes in the current active map

1. Click File then “Save Map” menu

b. Save File

This saves the changes in the current active file

1. Click on “File” then “Save File” menu

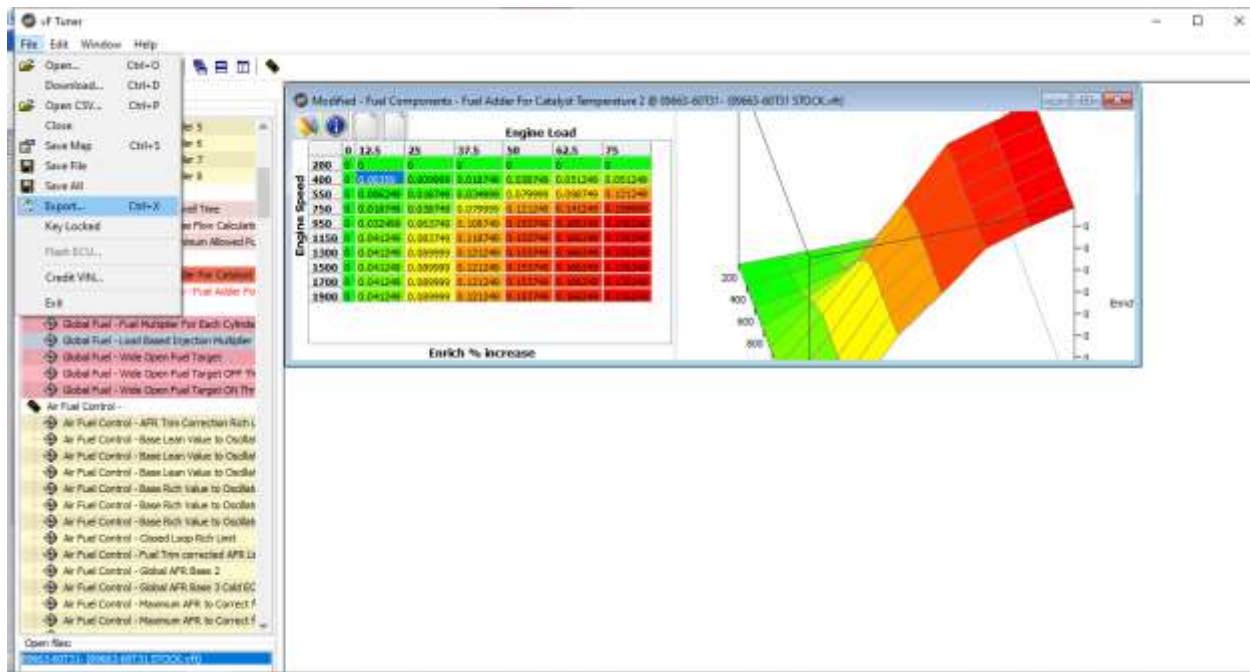
c. Save All

This saves the changes in all the opened files

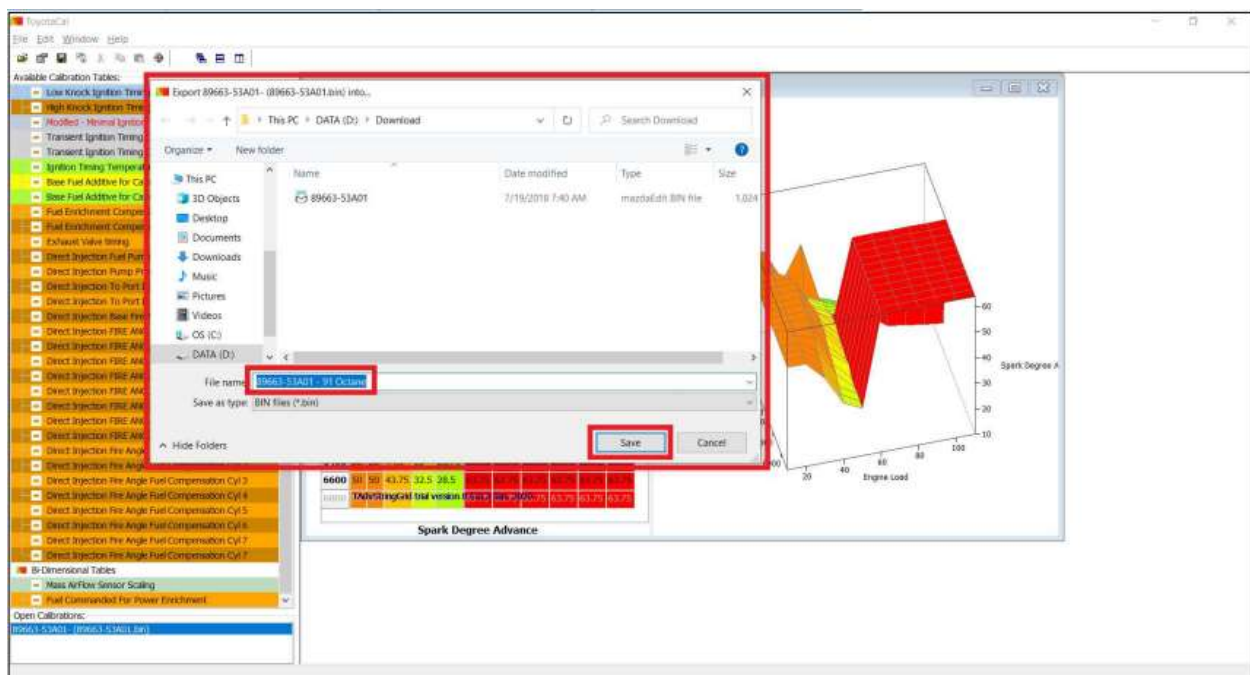
1. Click “File” then “Save All” menu

9.12. Exporting a File

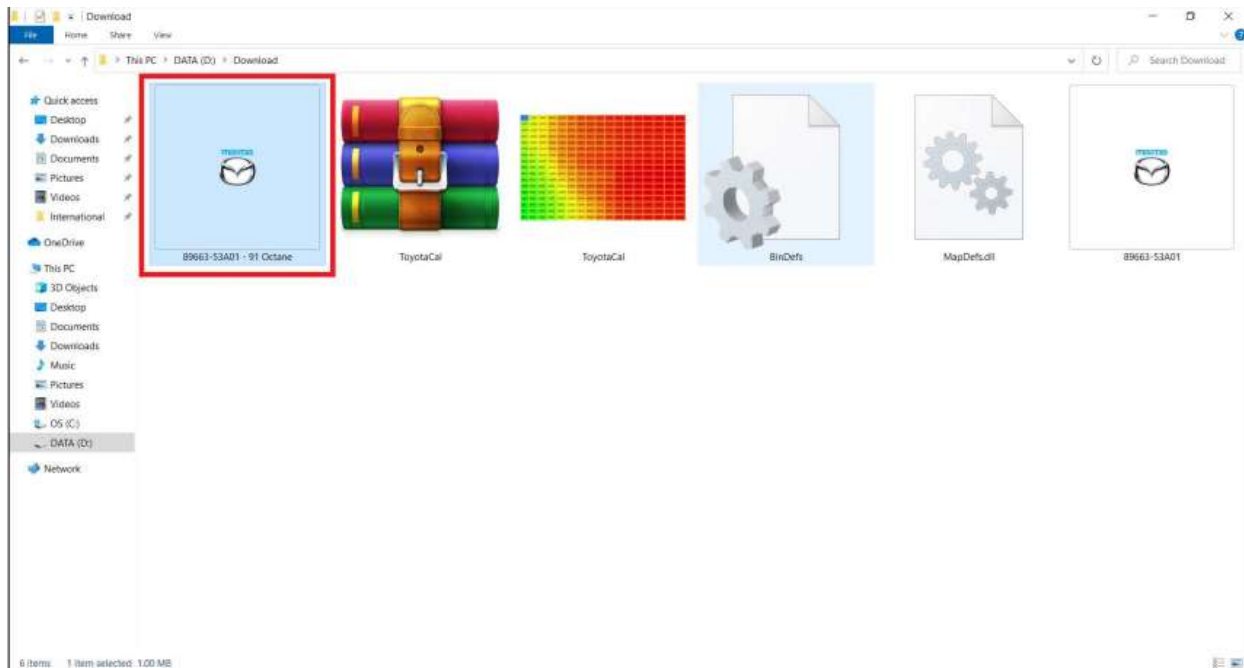
- i. Saves the file as your chosen file name using the guides [above](#)
- ii. Click on “File” menu and choose “Export” sub menu



- iii. Select the folder you want to save it in, type in a file name that you like, and press on “Save”



- iv. Your file will be saved on your chosen folder

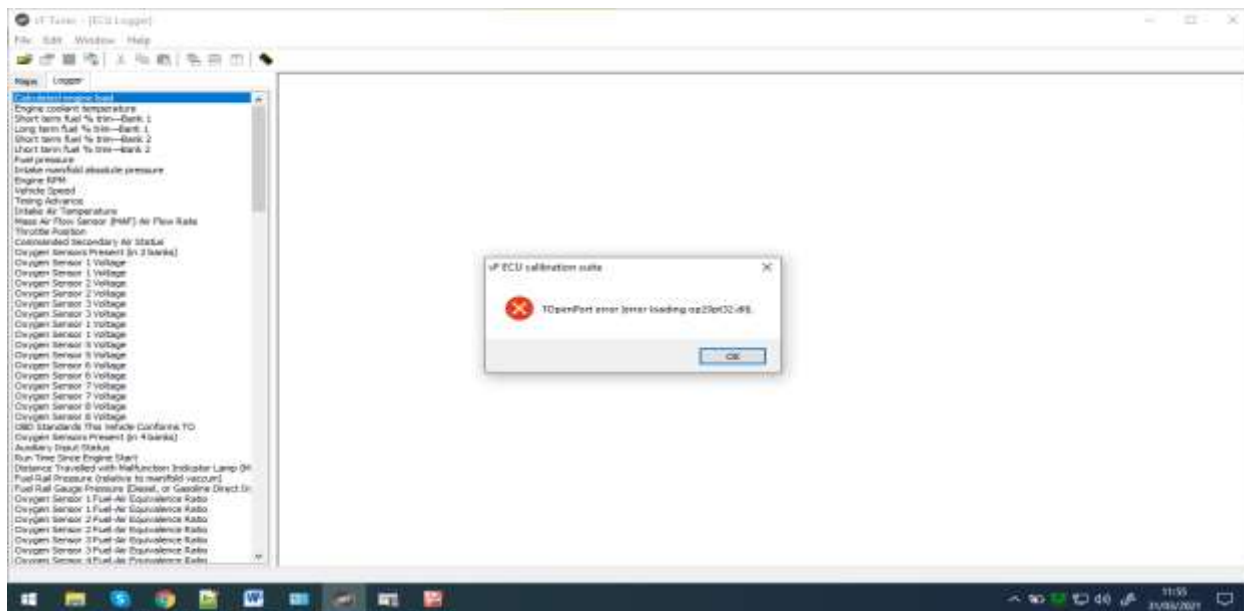


10.0. Logging – Basics

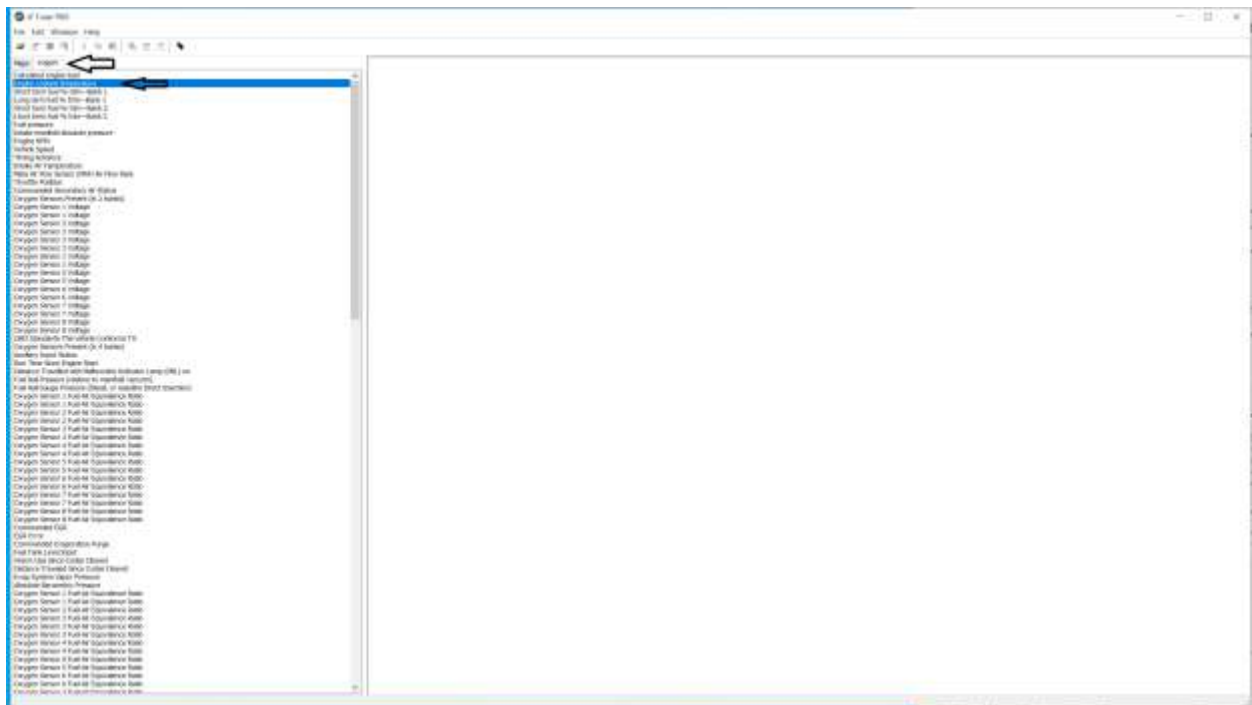
CAUTION!



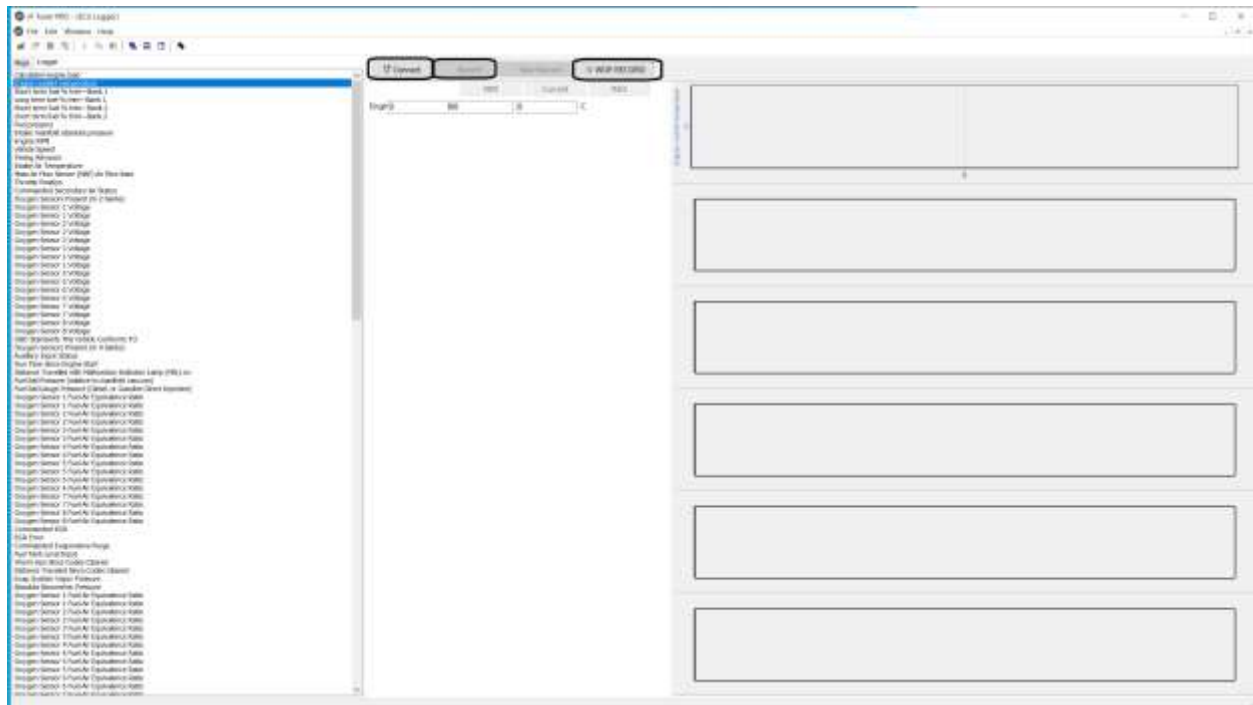
You **MUST** be connected to your vehicle using the serial cable through the OBD-II port. Failure to do so you will get an Port connection error as shown below



- i. Open VF Tuner program
- ii. Under menu shortcuts, Click on “Logger” tab



- iii. Click any item on the list –these are PID (Proportional Integral Derivative)
- iv. If no port error, A new window will open
- v. Click “Connect” button



- vi. You can then click record to record the log
- vii. Click save record to save the recorded log



NOTES:

When you click on “WOP RECORD” button, the system will record and save a 20 second long log for you automatically

11.0. Troubleshooting – Errors

NOTES:

- ✓ All errors should be reported to Support@ovtune.zendesk.com

11.1. Reporting an error

- i. Please be as specific as possible
- ii. Include screenshots, or "ER" codes / ERROR codes

NOTES:

- ✓ If the error comes from the flasher include:
 - Your vehicles stock calibration ID (ECU ID)
 - ID of file you are trying to flash
 - Version of software you are using

11.1.1. Errors on map bugs, maps not opening

If you find any bugs (map bugs, maps not opening, etc) please also report these as an ERROR.

- a. Include the ECU ID (your calibration 89663-xxxxx)
- b. The name of the Map
- c. The version of software you are using.

11.1.2. Errors Relating to Registering

- i. Master key / email not recognized

Please ensure you are inputting the information correctly. **Do not type it,**
just **COPY/ PASTE**

- ii. Master key installation count exceeded

You are allowed to register VF Tuner software (3) times before your installation count has hit the maximum.

If you get this error but have not registered 3 times, this usually means you are trying to register with incorrect information. Usually the username or the password might be wrong.

The **FIRST** time you register, you set your username and password. That will be your username and password permanently. You must always use those same credentials in the future

GLOSSARY

BIN file	→ BIN files are the compressed binary files that are used for varied purposes by many computer applications.
Calibration	→ the process of configuring an instrument to provide a result for a sample within an acceptable range
ECU	→ Engine Control Unit
ECM	→ Engine Control Module
OBD-II port	→ is an on-board computer that monitors emissions, mileage, speed, and other data about your car. It's connected to the Check Engine light, which illuminates when the computer detects a problem. The OBD-II on-board computer features a 16-pin port located under the driver's side dash
PID	→ Proportional Integral Derivative
TCU	→ Transmission Control Unit
VIN	→ Vehicle Identification Number