



# **ORANGEVIRUS TUNNING**

## **TOYOTA TACOMA**

OVTUNE TOYOTA FLASH MANAGER  
TACOMA 3.5L



# **ORANGEVIRUS TUNING TOYOTA TACOMA**

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TACOMA 3.5L

## **INSTRUCTIONS**



**THANK YOU FOR YOUR PURCHASE AND SUPPORTING  
ORANGEVIRUS TUNING**

THESE INSTRUCTIONS WILL COVER THE ENTIRE SETUP PROCESS  
FOR OUR FLASHING KIT.

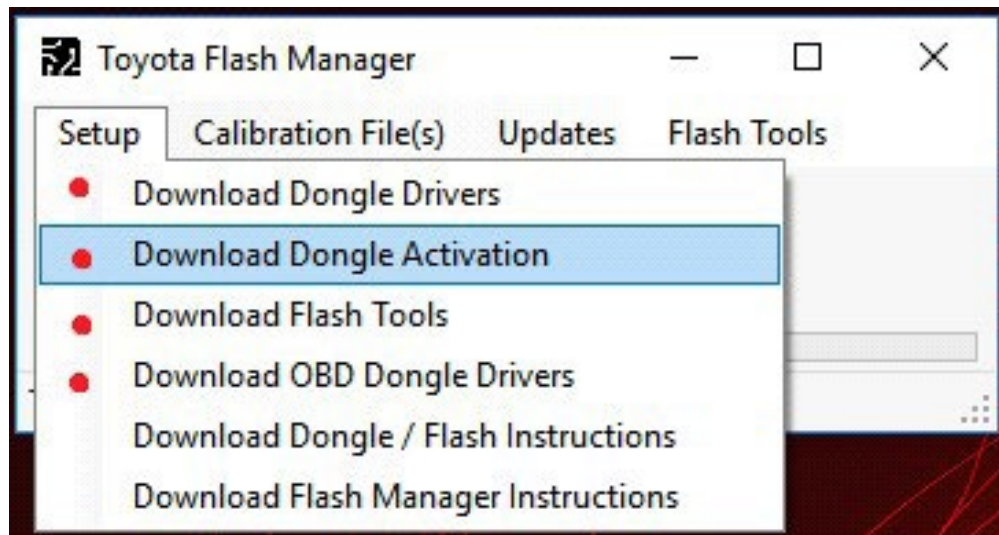
TO BEGIN DOWNLOAD OUR TOYOTA FLASH MANAGER SOFTWARE

**DO NOT PLUG THE USB IN UNTIL AFTER YOU HAVE  
DOWNLOADED AND INSTALLED THE DONGLE DRIVERS**

If you have NOT started the registration process for your Tacoma Tuning Kit, follow below.

If you HAVE already registered your software (USB purple or black rev2 dongle) please skip these steps and go to **FLASHING LICENSE**

Begin by downloading everything from the setup links within the flash manager. the flash manager will direct you to the sites to download Everything marked with a RED dot



Once you have downloaded these, go to your downloads folder (or where-ever your downloaded items are normally saved) and install each.

**NOTE**, if you get the internet explorer error "file is infected" for flashing software, use this link:  
**<https://yadi.sk/d/vr2lgETc3GZW6b>**

once you have installed all of the above, you will need to register your dongle to activate the license to flash your truck.

To do so, first lets check if your dongle needs registered with guardant. To do so, run PCMFLASH software.

Check the dongle status. If your software says

**USB dongle is not accessible (0).  
Please check if it is connected and restart application.**

## APPLICATION VERSION: 1.1.92

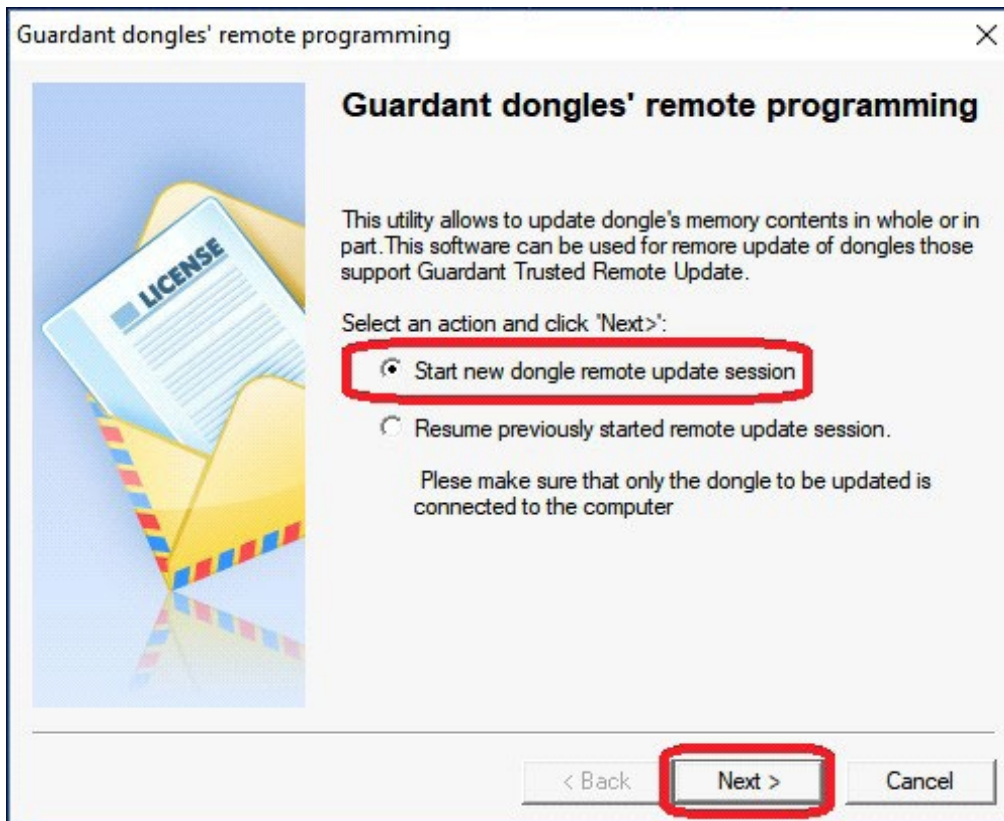
then you will need to do the guardant registration process. below  
If your dongle shows a serial number, you do NOT need to do this process,  
and can skip it.

### **Guardant Registration :**

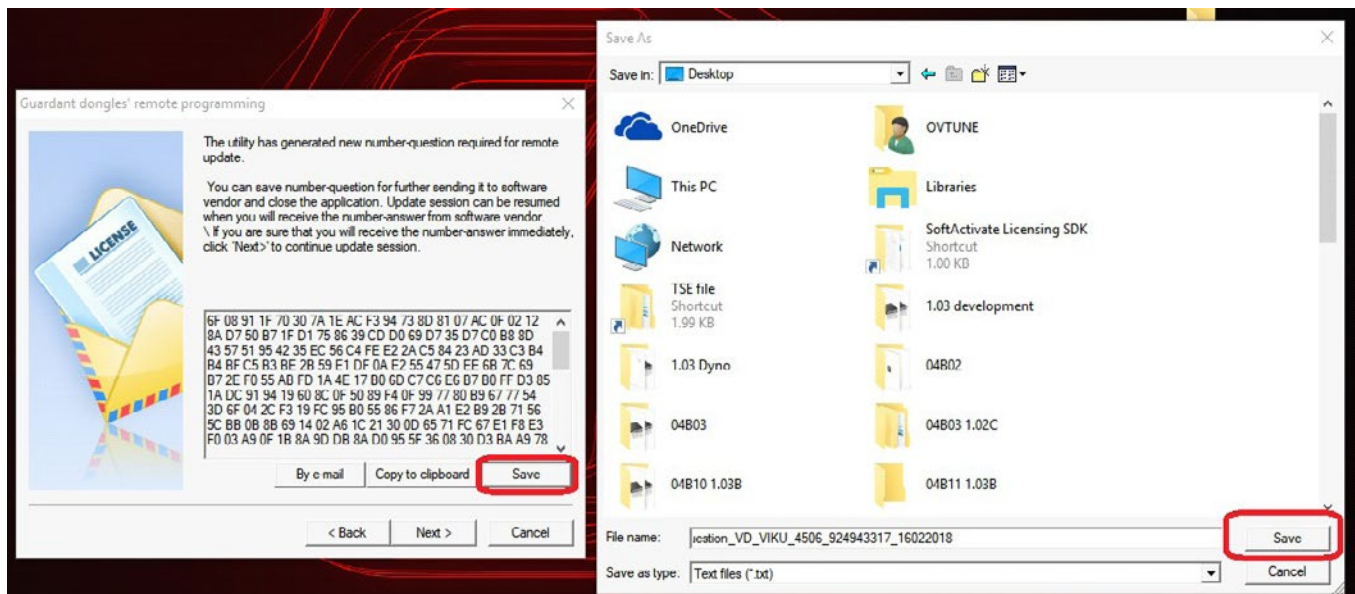
Run the **DONGLE ACTIVATION** Software



If you get the error “dongle with specified search conditions not found”  
ensure you have **INSTALLED** the Guardant drivers  
Run the GrdTRU software (icon above)  
it will start the guardant registration process -  
select to start a new session and click next.



when the code is generated, click the **SAVE** button and save the text file please **DO NOT RENAME THE FILE**



**Please EMAIL us this text file @ orangevirus101@gmail.com you may now exit the guardant software and await our update file..**

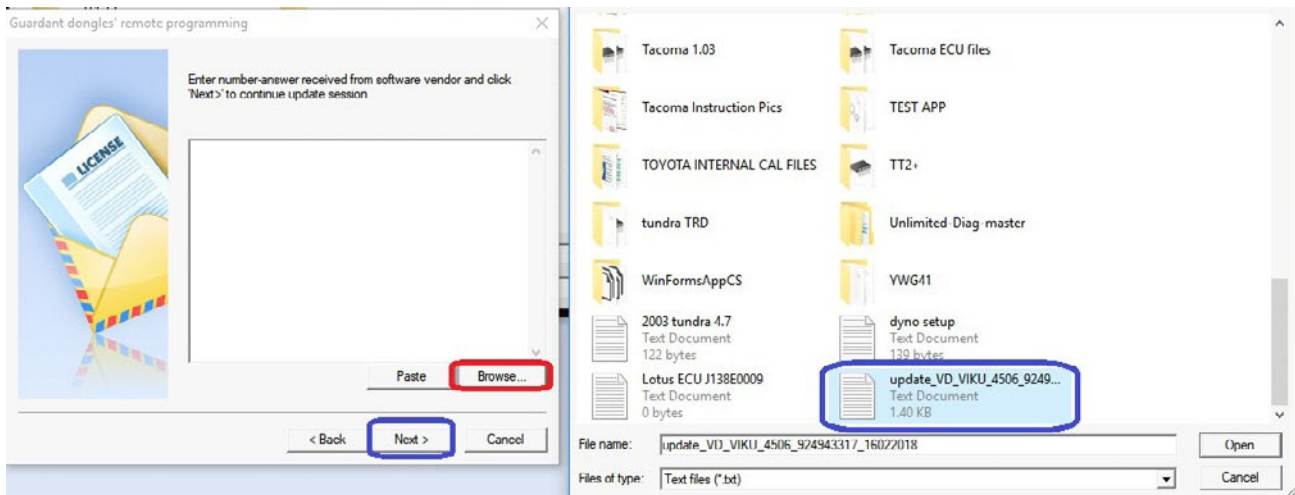
next:

We will email you a return file labeled “update\_VD\_.....”  
download this file from the email.

Run the guardant software and make sure it is set to  
“ **RESUME SESSION** “

Click the **BROWSE** button (red), then select the update text file (blue)  
then click the **NEXT** button (blue)

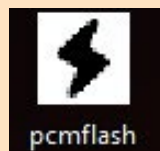
the software will generate an answer key.  
You do not have to save this answer key. You may now exit the software.  
The guardant registration is complete.



The next step is to license your truck.

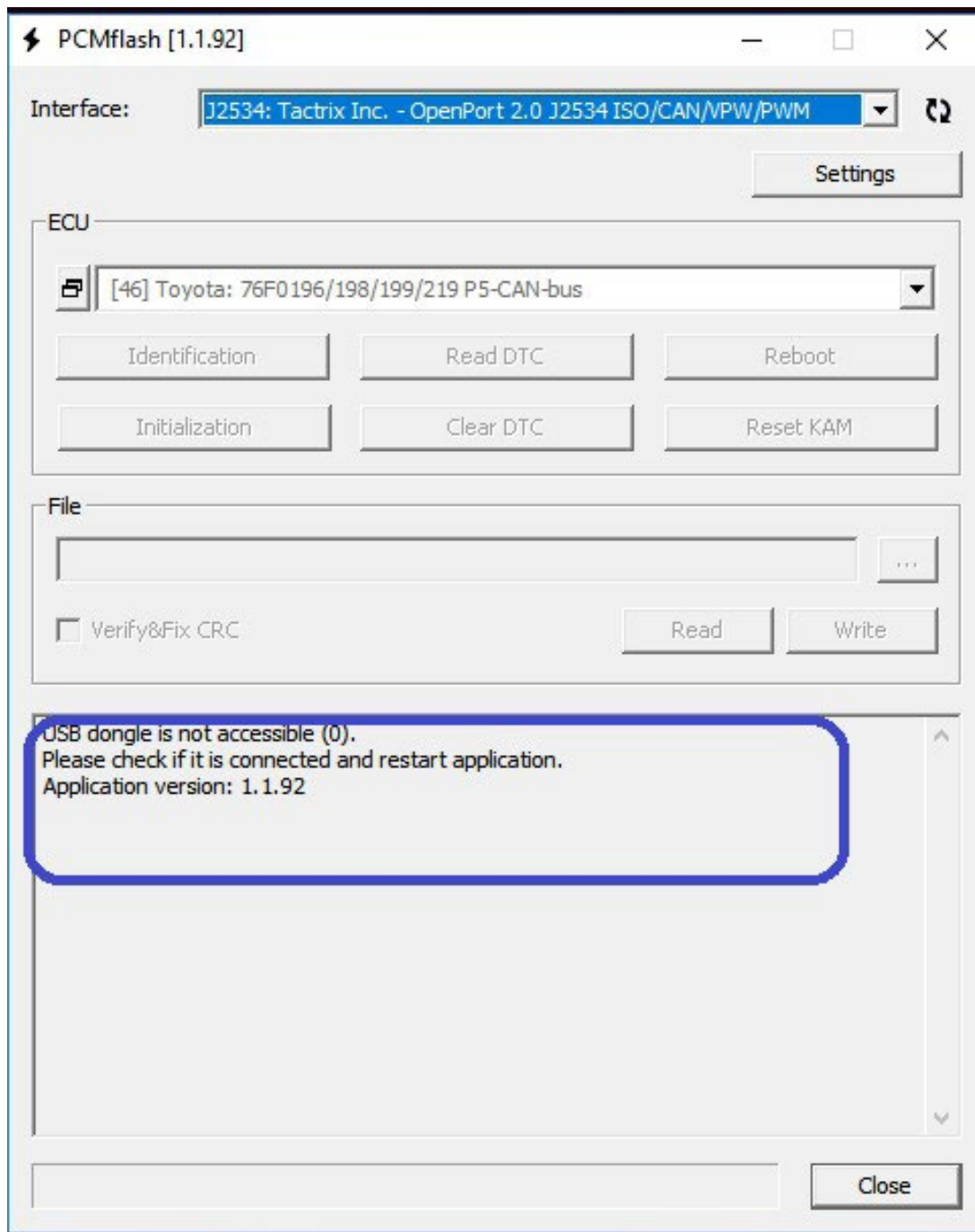
## TRUCK FLASHING LICENSE

To do this plug your USB dongle in (small black dongle or purple dongle,  
depending on which is provided in your kit), Run PCMFLASH Software:



when the software loads, it will generate your  
**DONGLE SERIAL NUMBER** in the blue box.(for example 3F304988).  
Please **EMAIL** us this dongle serial number to @  
**orangevirus101@gmail.com**





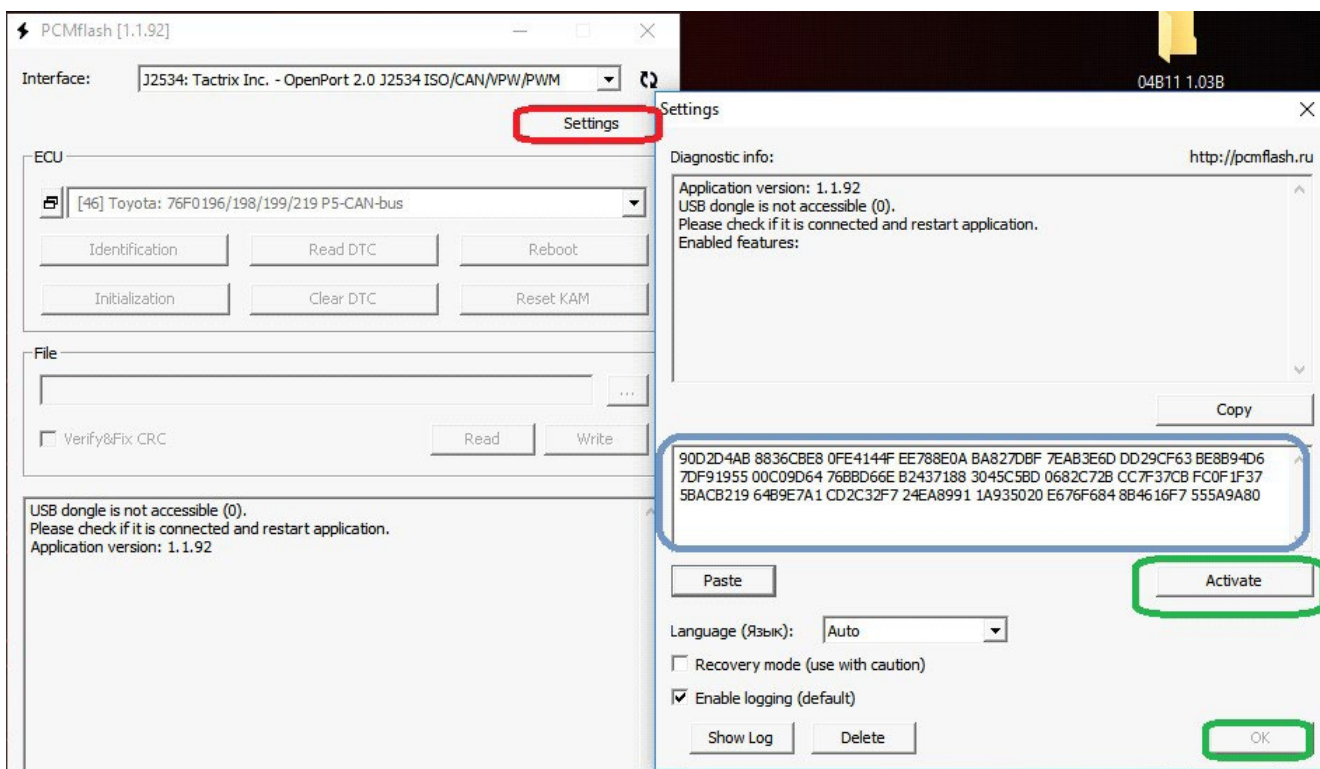
We will email you a license key (for example) :

90D2D4AB 8836CBE8 0FE4144F EE788E0A BA827DBF 7EAB3E6D  
DD29CF63 BE8B94D6  
7DF91955 00C09D64 76BBD66E B2437188 3045C5BD 0682C72B  
CC7F37CB FC0F1F37  
5BACB219 64B9E7A1 CD2C32F7 24EA8991 1A935020 E676F684  
8B4616F7 555A9A80

Plug your USB dongle in and run PCMFLASH  
copy the license key that we have emailed to you

Click **SETTINGS**  
**PASTE THE CODE**  
click **ACTIVATE**  
click **OK**

the software will prompt you to restart it. exit and restart pcmflash



Great, now that this is complete lets move on to reading your ECU ID,  
reading your ECU, and flashing your truck.  
if you receive any errors, please email us  
**@ orangevirus101@gmail.com**

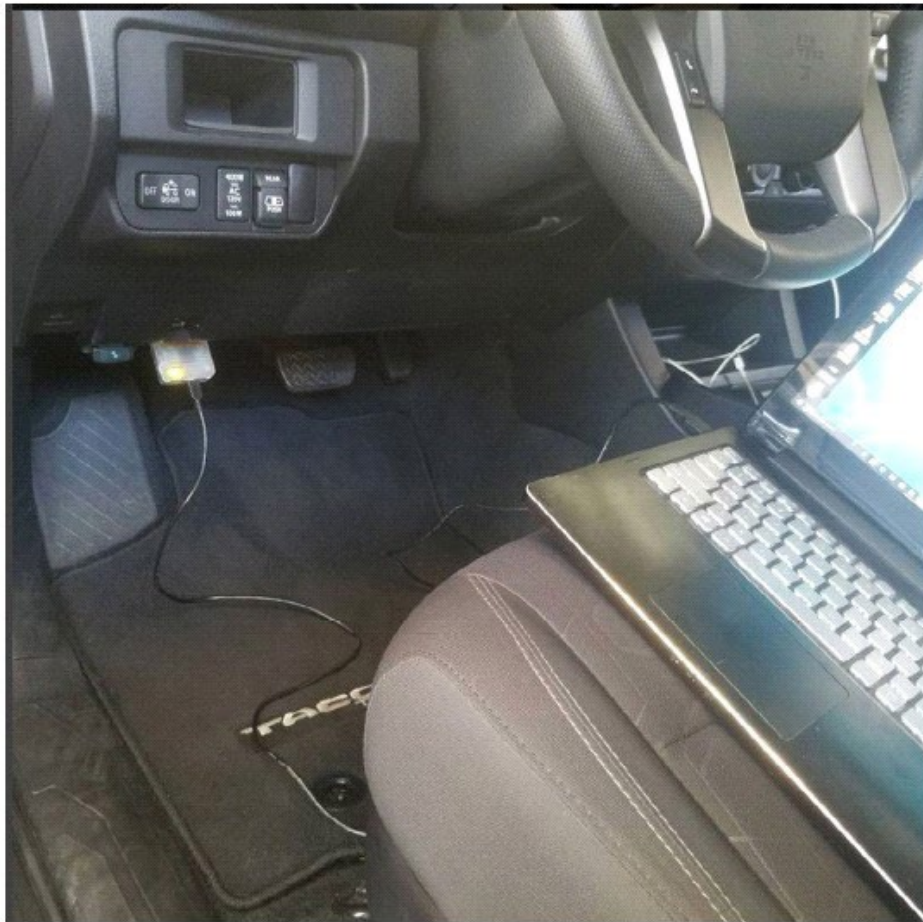


## IDENTIFYING YOUR ECU

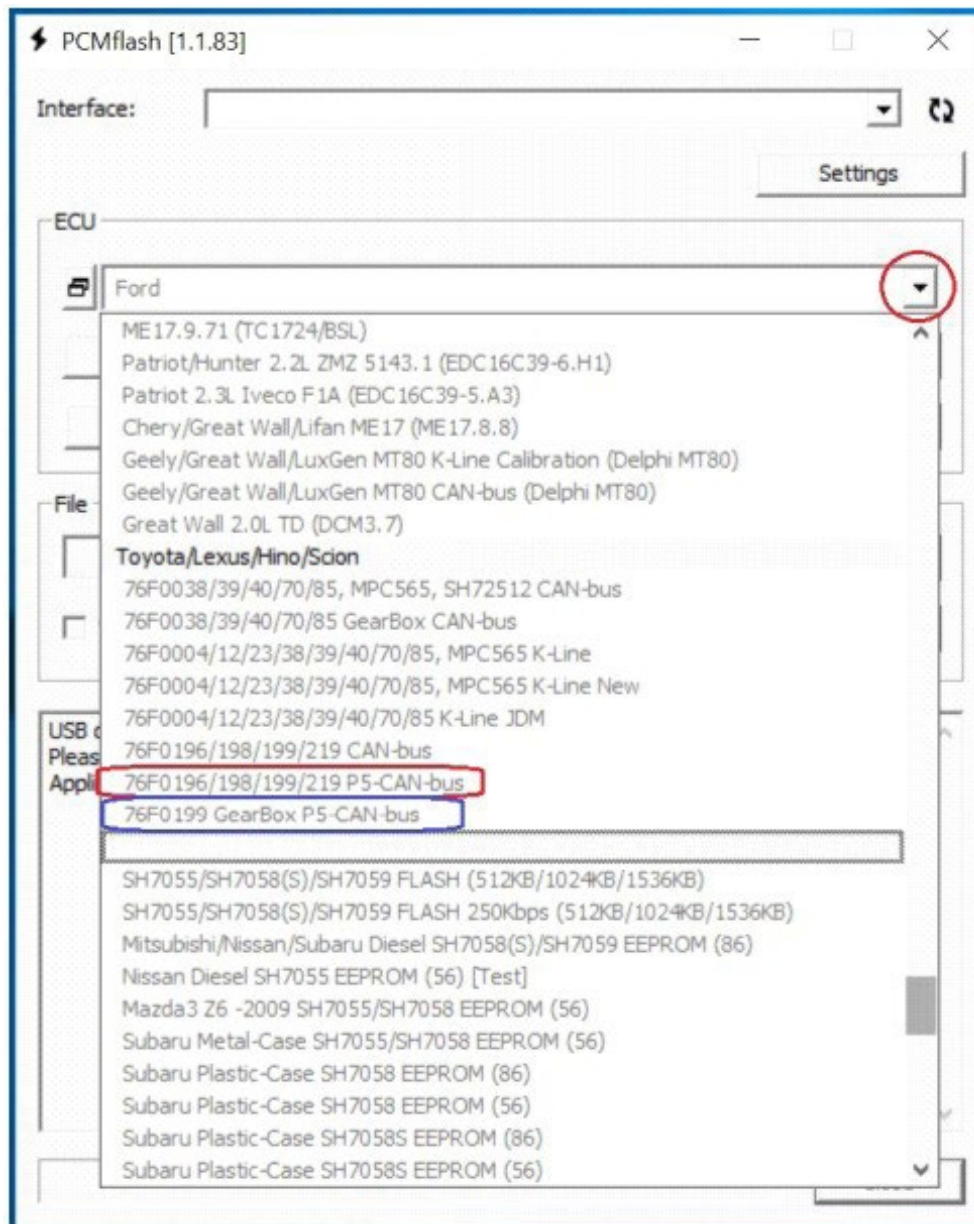
First, connect to your truck :  
ensure your **TRUCK IS ON, ENGINE OFF**. (not accessory mode). If you  
have the push button start, press it **2** times.

**MAKE SURE YOUR RADIO VOLUME IS LOW AND YOUR HEAD  
LIGHTS ARE OFF (ANY BATTERY DRAINS).**

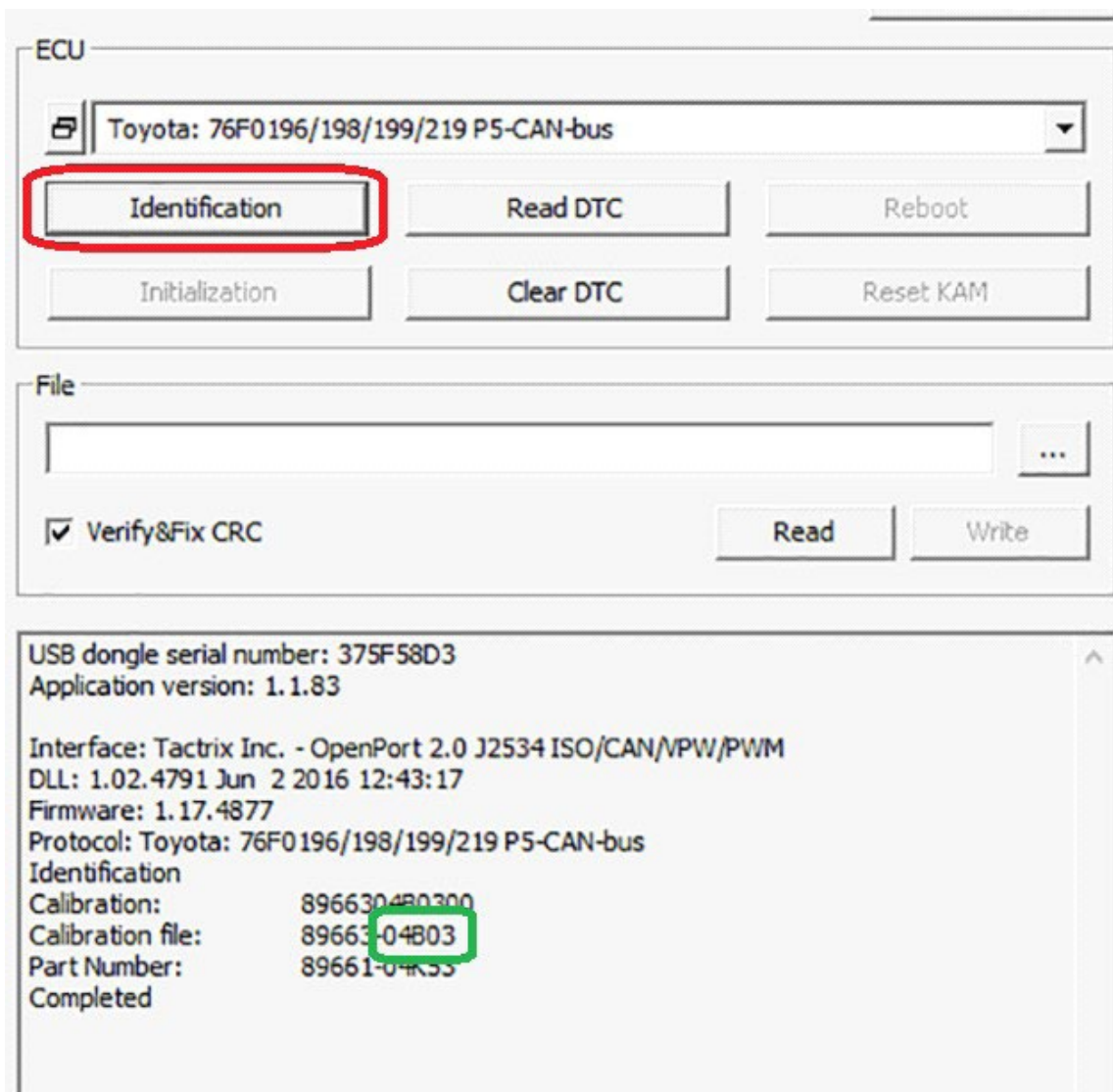
Connect your OBDII cable to the trucks OBD, and plug the dongle in  
and run PCMFLASH



**CHECK YOUR ECU ID.** If your ECU matches what is already in our flash  
manager, you do not need to download your stock ECU data.  
select the proper template (**circled in RED for the engine**)



Click the **IDENTIFICATION** Button once the software identifies your truck, check your ECU version (for example in this, 89663-04B03)



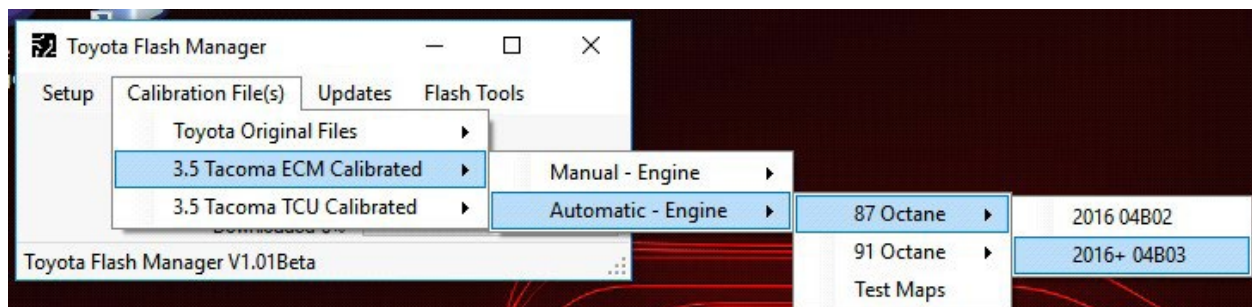
Then check the flash manager if this ECU is supported (internet is required to download the files) :

It looks like your ECU version is in our flash manager!

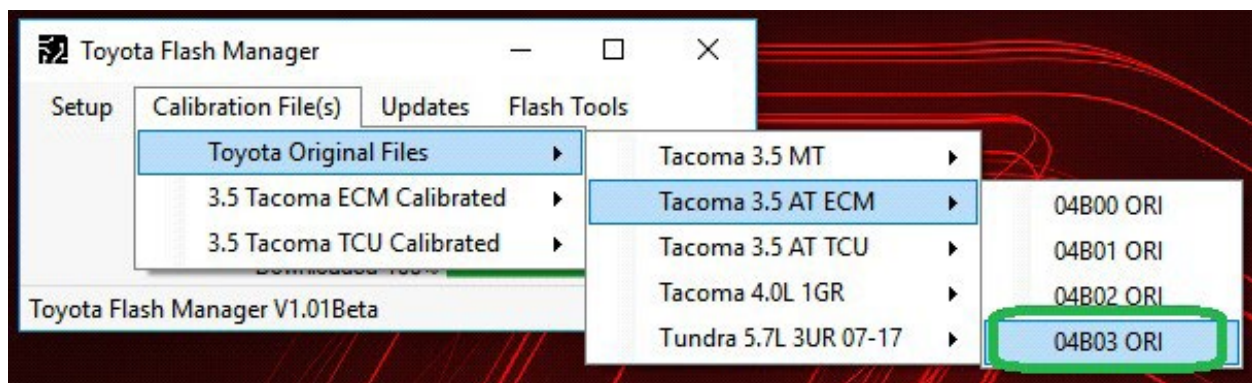
**IF YOUR ECU IS NOT LISTED: You will need to download your stock ECU data and email this to us. See below in flashing section**

**Note, PCMFlash identifies the ecu as “89663-04B03”  
we will use these last digits for the identification of the tune - 04B03**

use the file ONLY for your ECU. **So if your ecu is 04B03, do NOT use “04B02”**  
**The tune will download to the location of the flash manager. So if it is on your desktop, the tune file will download to your desktop.**

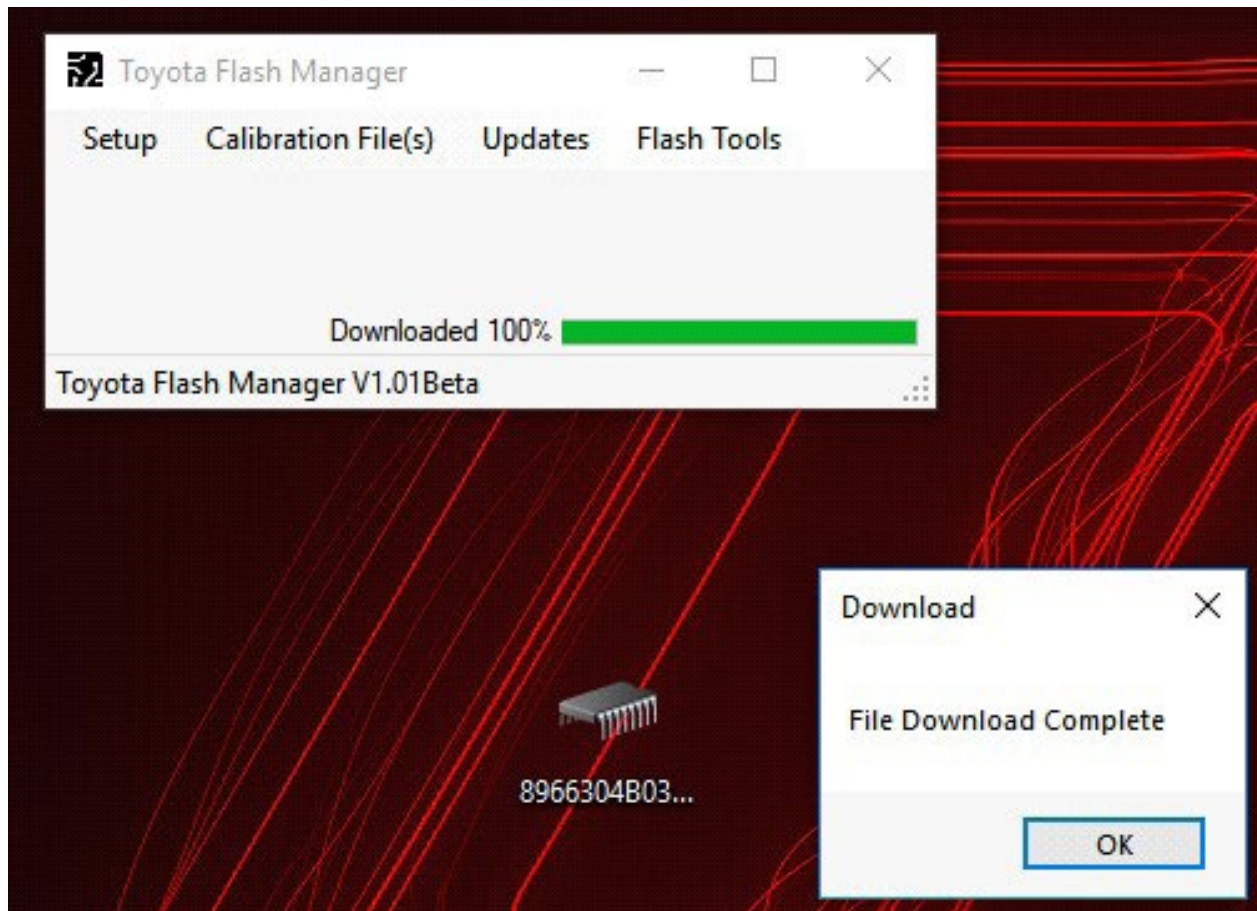


**Downloading a tune example (downloading a STOCK tune)**  
click the ORI file associated with your ECU ID  
**(ORI = original... the stock tune)**

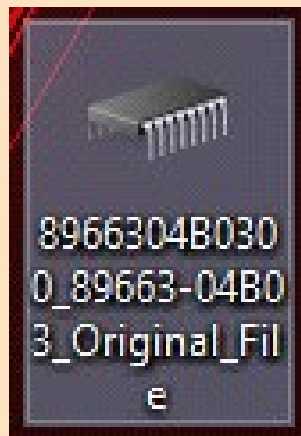


Download has completed.  
The file will download to where you saved Toyota Flash Manager



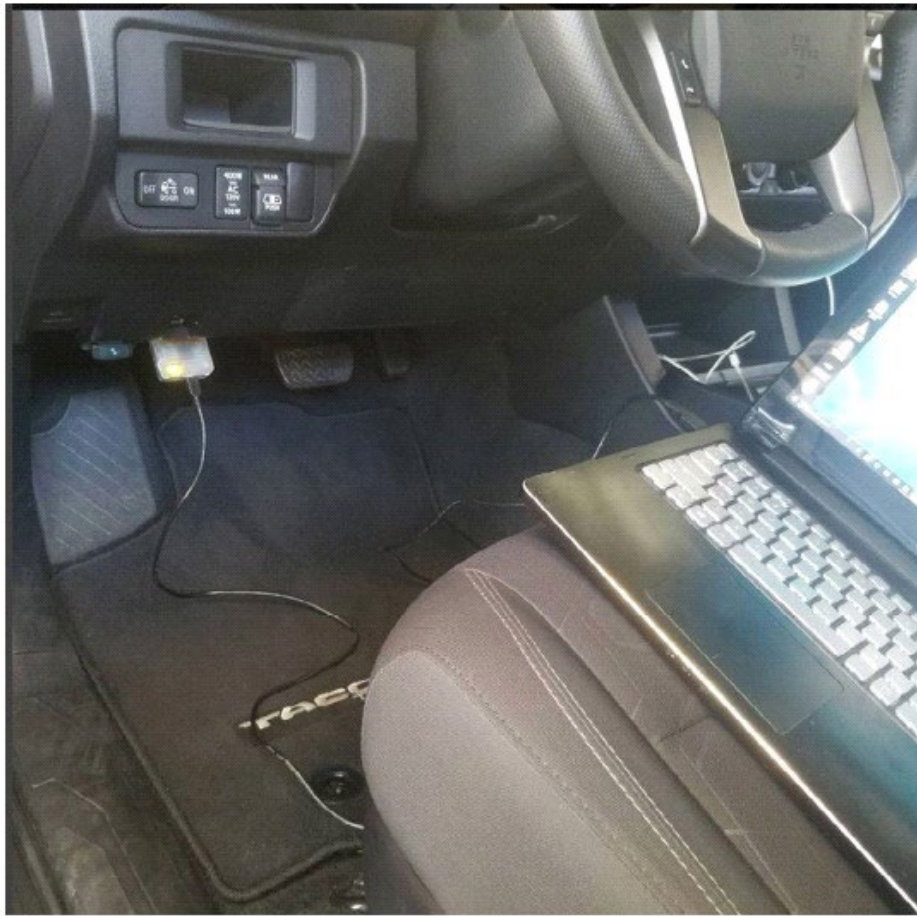


The original file: (this is a stock tune)  
The exact same process is for downloading a tune file.



### READING AND FLASHING THE ECU

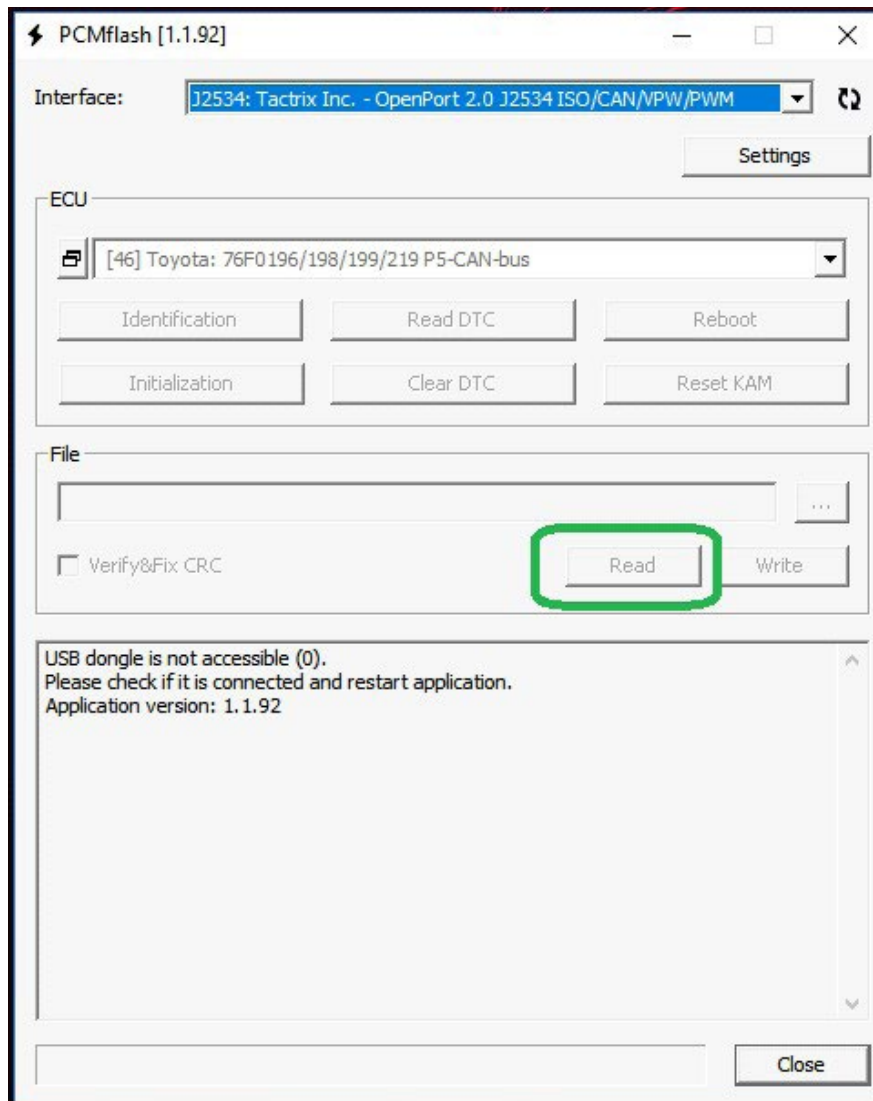
Once you have downloaded the tune file for your truck, you will need to flash it.  
to Flash, reconnect to your truck Run PCMFlash, turn the truck on the same way  
you would for identification



### **RUN PCMFLASH -**

if your ECU is NOT supported / listed in flash manager - **READ the ECU data** click the READ button. Follow the prompts (the software will tell you your **battery voltage**. If your battery voltage is **LOW**, make sure all your electronics like radio / headlights are **OFF**)





**Allow the software to read your ECU.  
This can take up to 20 minutes!  
Once it is complete, save the file (**DO NOT RENAME IT**) and  
email it to us  
**@orangevirus101@gmail.com**  
we will add it to the next flash manager update.**

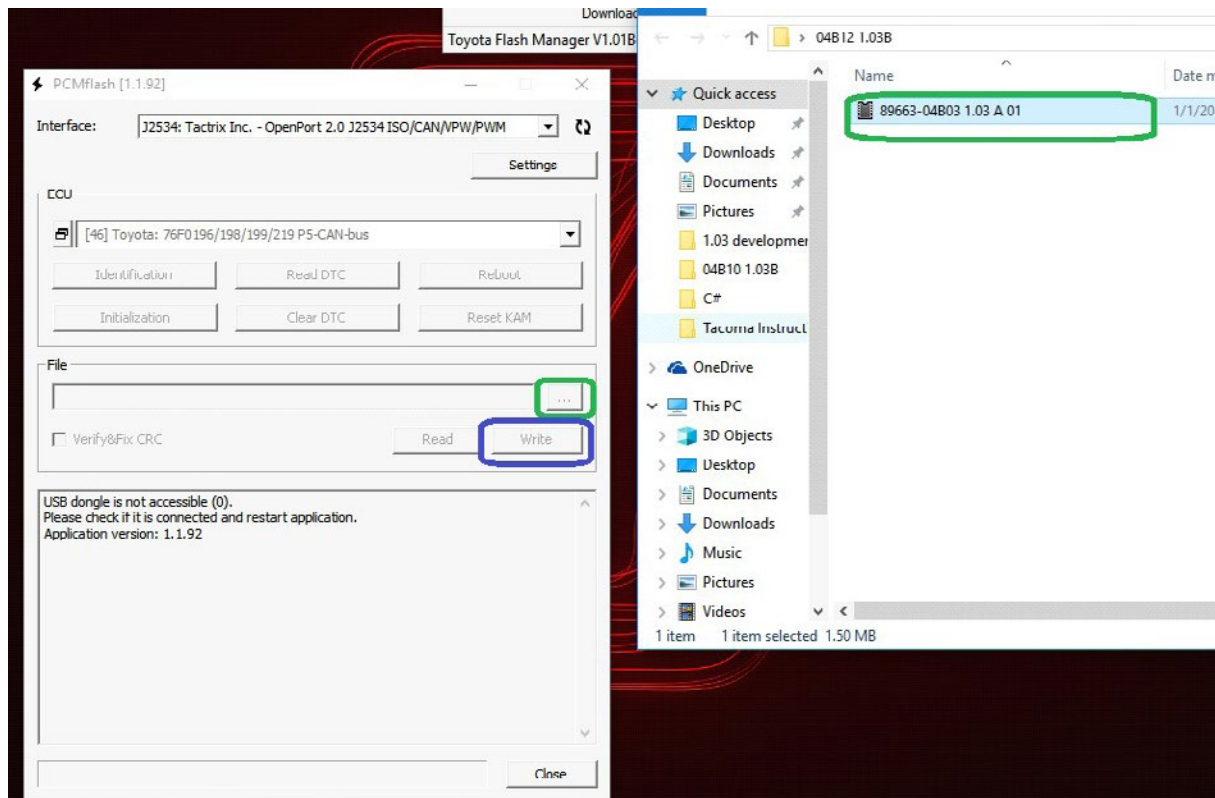
# FLASHING YOUR TRUCK

Flashing is as simple as reading. Run pcmflash, connect to truck, truck ON engine OFF

Click the button with the 3 dots “...” (means OPEN)  
it will open a window > select your tune file that you have downloaded.  
Click the WRITE button

The software will prompt “checksum corrected, continue?”  
click YES. The checksum MUST be corrected, so this box MUST be checked. (it is checked by default)

**NEVER FLASH THE TRUCK UNLESS THIS IS CHECKED!**  
**(it is checked by default)**



Follow the prompts the software will tell you “checksum corrected, continue” yes,  
then it will prompt battery voltage. click ok  
allow the ECU to be flashed.  
This process can take up to 5 minutes.  
Do not unplug the cable, Do not stop the process.  
once the flash is complete, the software will prompt you that the flash has been  
successful.  
Turn the truck OFF. Then start the truck.  
The flash is complete.

### **ERRORS:**

if the flash is unsuccessful, or it is stopped mid way, or if you accidentally bump the  
cable, unplug it, etc any reason.  
Turn the truck OFF.  
Turn the truck ON, WITHOUT TRYING TO START IT  
Repeat the writing process above.  
allow it to flash successfully.