

OVTune Toyota Flash Manager - Tacoma 3.5L



**These instructions will cover the entire setup
process for our flashing kit**

Kit contents:

1x USB Dongle



1x OBD Cable (with USB cable)



**To Begin download our Toyota Flash Manager
Software:**

link here

**[https://cdn.shopify.com/s/files/1/0885/5830/
files/Toyota_Flash_Manager_V1.0.exe?
2897794495339532925](https://cdn.shopify.com/s/files/1/0885/5830/files/Toyota_Flash_Manager_V1.0.exe?2897794495339532925)**

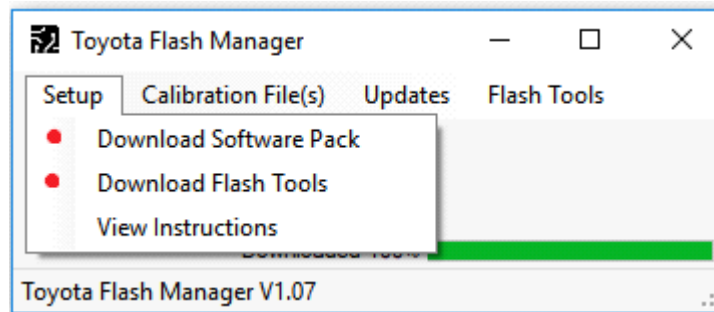
**note: DO NOT PLUG THE USB IN UNTIL AFTER YOU HAVE DOWNLOADED AND INSTALLED THE
DONGLE DRIVERS**

**Note: These files will download where-ever flash manager is stored at. We recommend you
right click your desktop, "create new folder" and place the flash manager inside. Everything
the flash manager downloads will be location inside this folder.**

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



Software Installation:

Open the folder OVT SoftPack

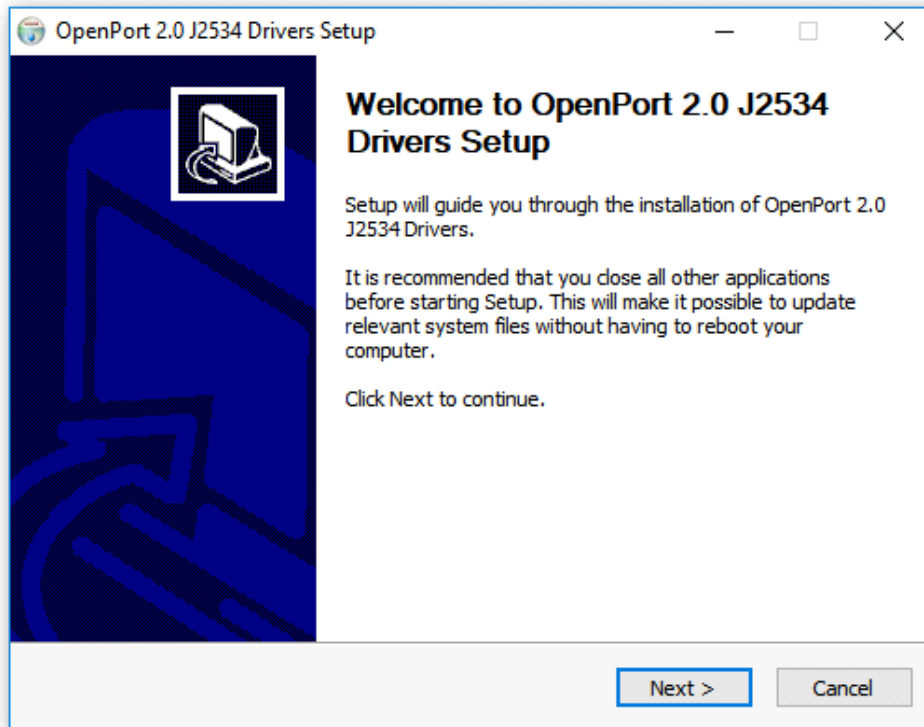
install the GrdDrivers inside

Name	Date modified	Type	Size
GrdDrivers	3/10/2018 2:37 PM	Application	10,978 KB
openport2_setup_1024791	3/10/2018 2:37 PM	Application	5,467 KB



Once that has completed, install the Openport2_setup_drivers

Name	Date modified	Type	Size
GrdDrivers	3/10/2018 2:37 PM	Application	10,978 KB
openport2_setup_1024791	3/10/2018 2:37 PM	Application	5,467 KB



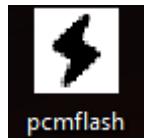
Finished! You have installed all of the necessary drivers.

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

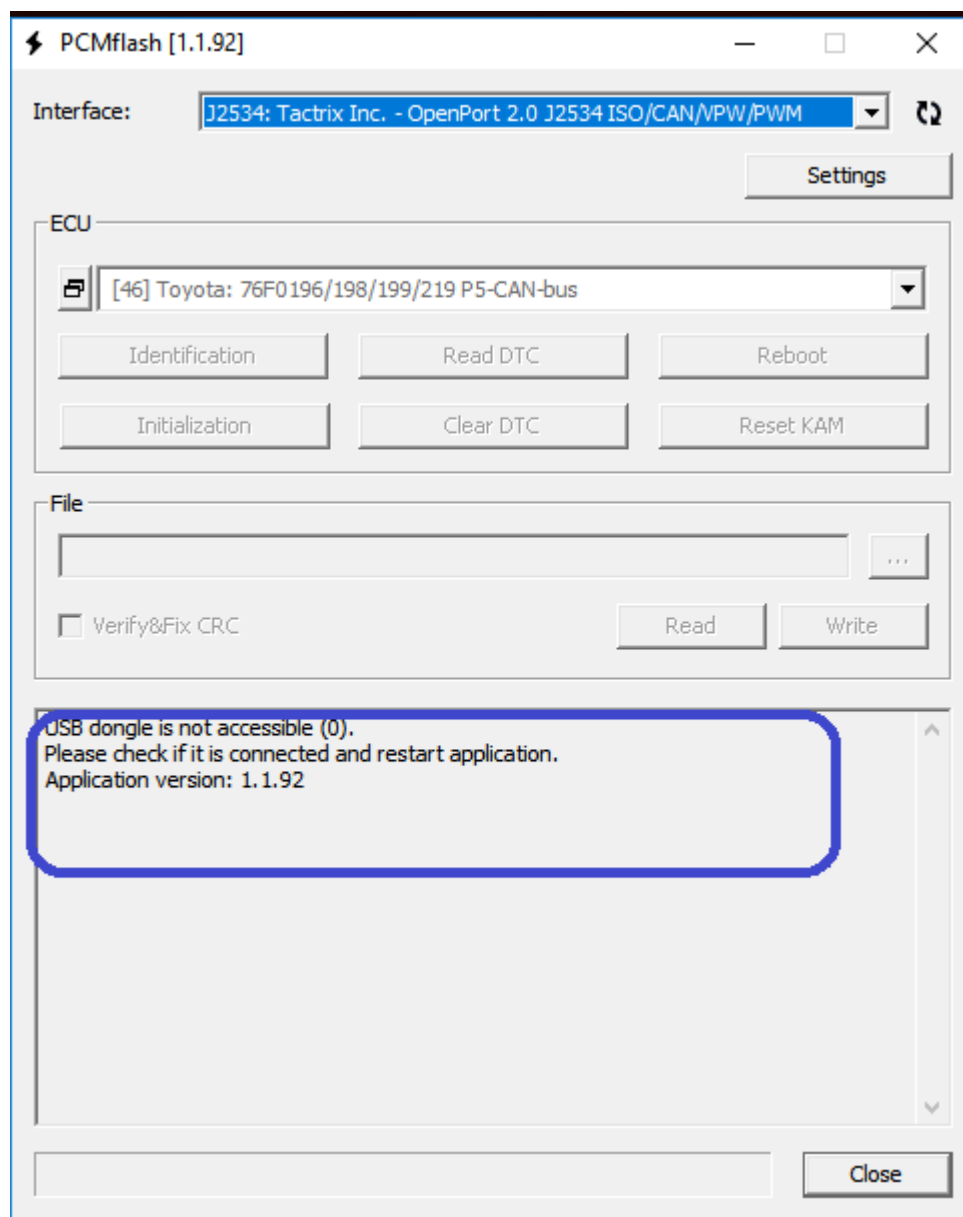
This software is downloadable by our flash manager



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

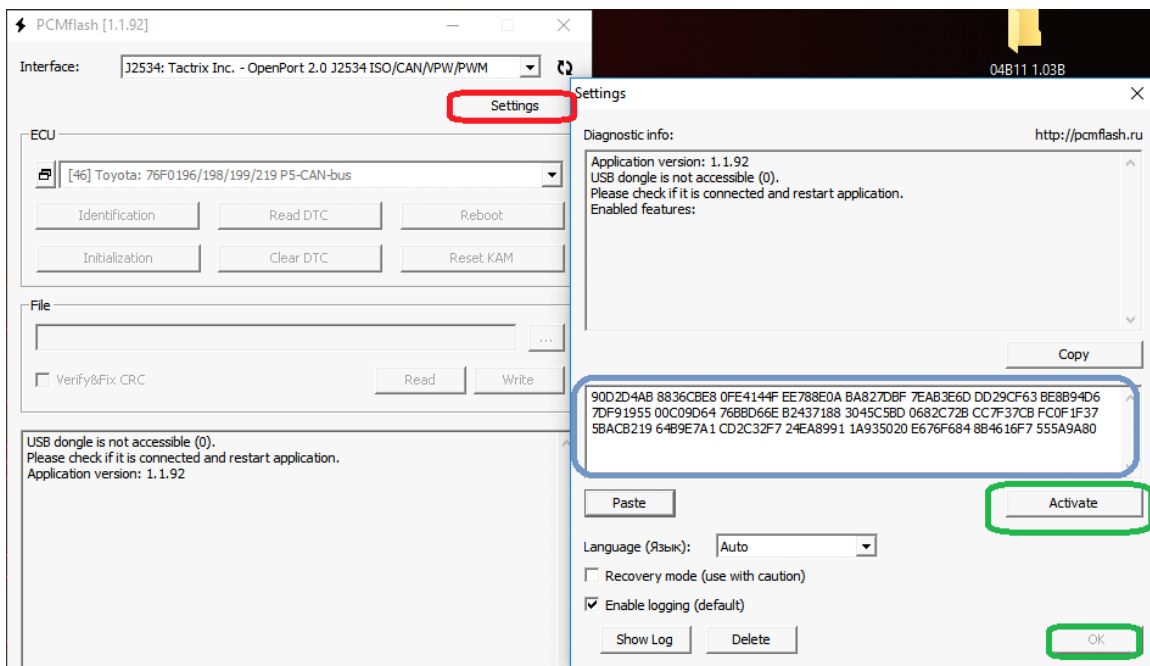
Click **SETTINGS**

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

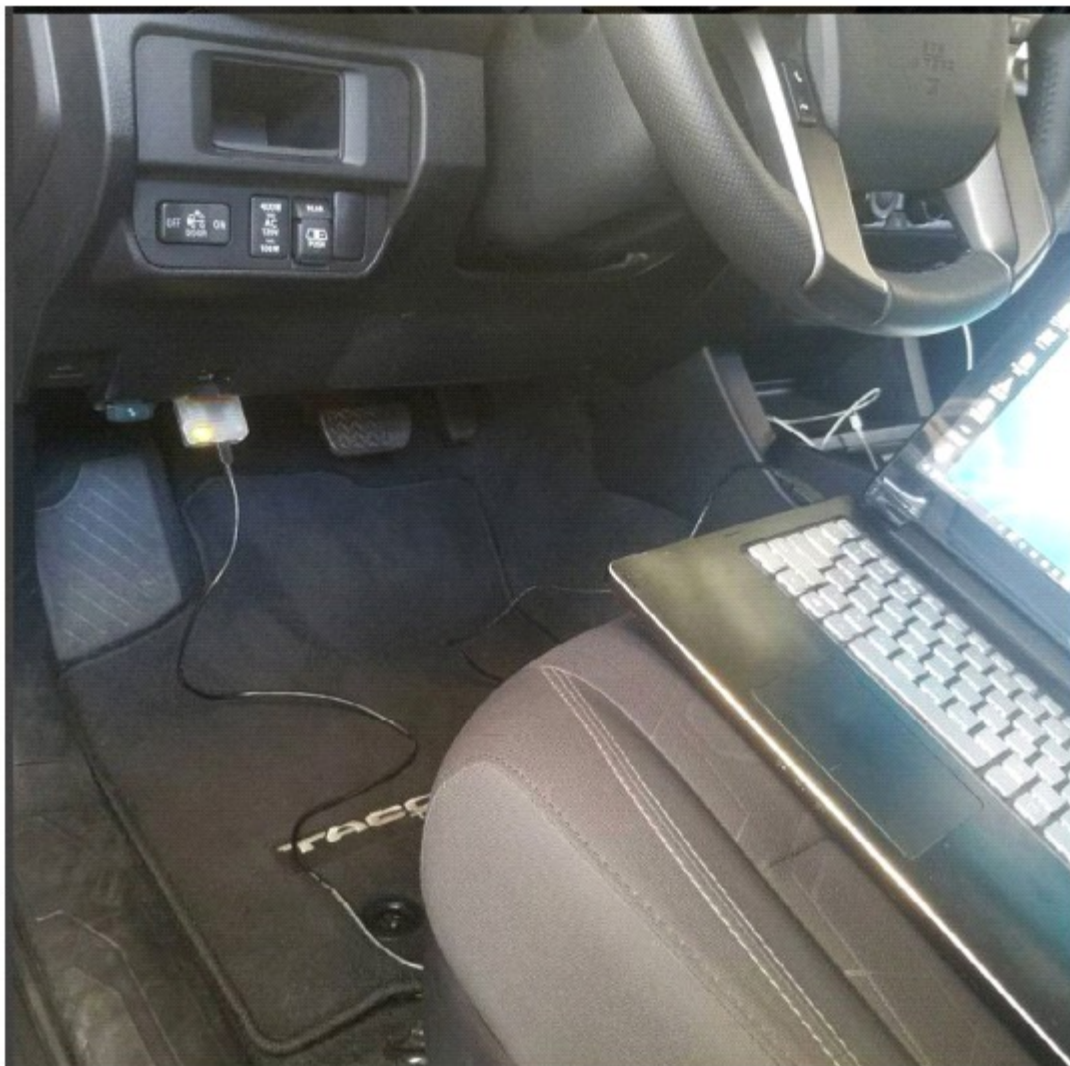
IDENTIFYING YOUR ECU

First, connect to your truck :

ensure your **truck is ON, engine OFF**. (**not accesory 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).

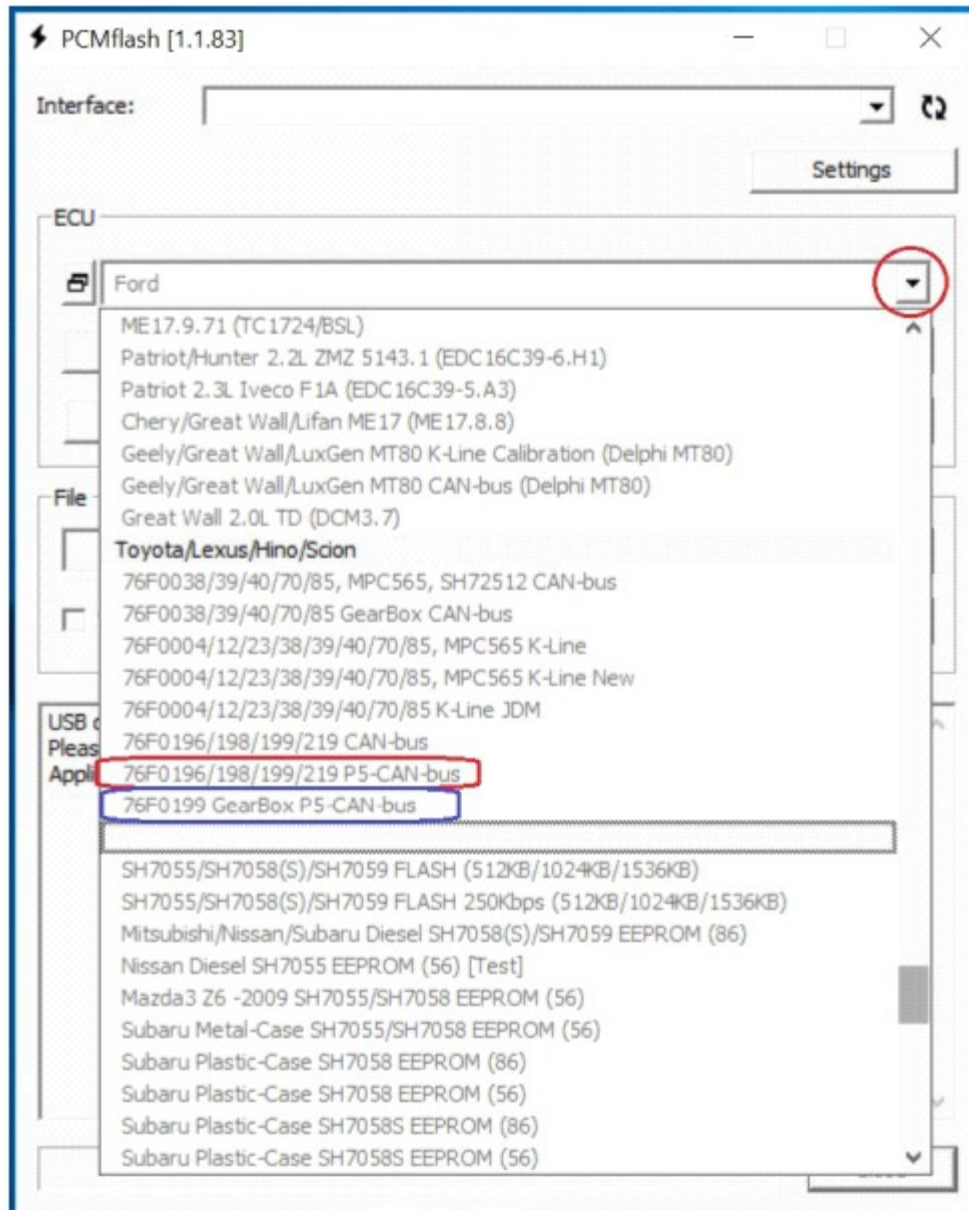
Connect your OBDII cable to the trucks OBD, and plug the dongle in and run PCMFLASH



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**)

Circled in **BLUE** is for the TRANSMISSION (if your truck is automatic)



Click the **IDENTIFICATION** Button

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

ECU

Toyota: 76F0196/198/199/219 P5-CAN-bus

Identification Read DTC Reboot

Initialization Clear DTC Reset KAM

File

Verify&Fix CRC Read Write

USB dongle serial number: 375F58D3
Application version: 1.1.83

Interface: Tactrix Inc. - OpenPort 2.0 J2534 ISO/CAN/VPW/PWM
DLL: 1.02.4791 Jun 2 2016 12:43:17
Firmware: 1.17.4877
Protocol: Toyota: 76F0196/198/199/219 P5-CAN-bus
Identification
Calibration: 8966304B0300
Calibration file: 89663-04B03
Part Number: 89661-04K33
Completed

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!

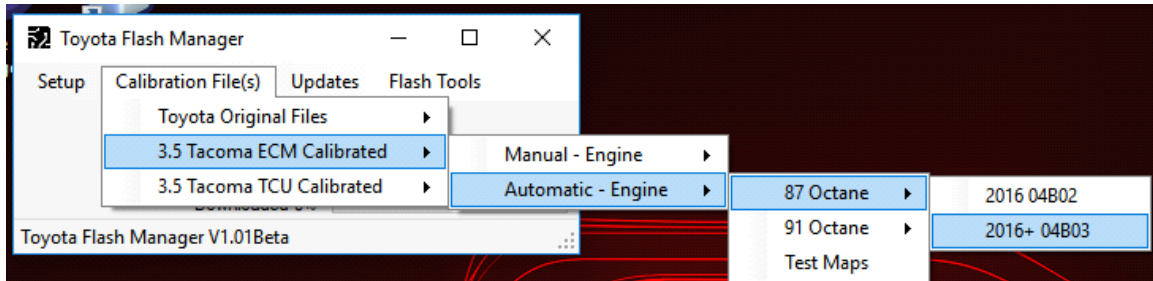
IF YOUR ECU IS NOT LISTED: You will need to download your stock ECU data and email this to us. See below in flashing section

Note, PCMFlash identifies the ecu as "89663-04B03"

we will use these last digits for the identification of the tune - 04B03

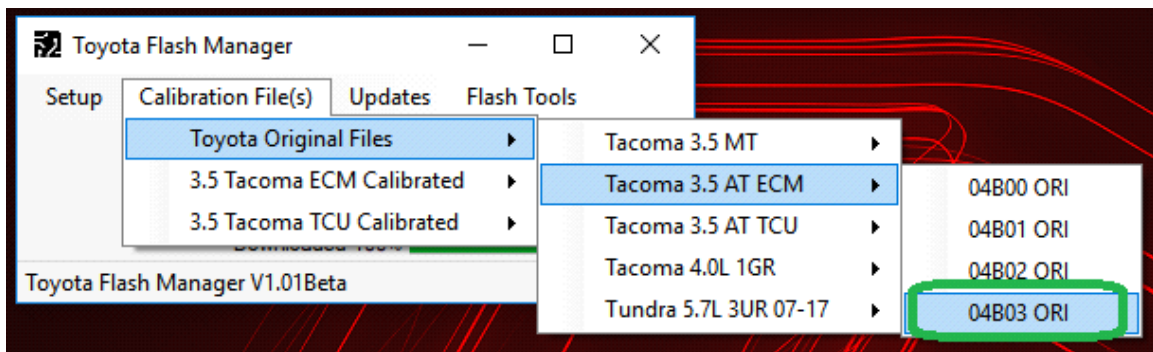
use the file ONLY for your ECU. **So if your ecu is 04B03, do NOT use "04B02"**

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**.

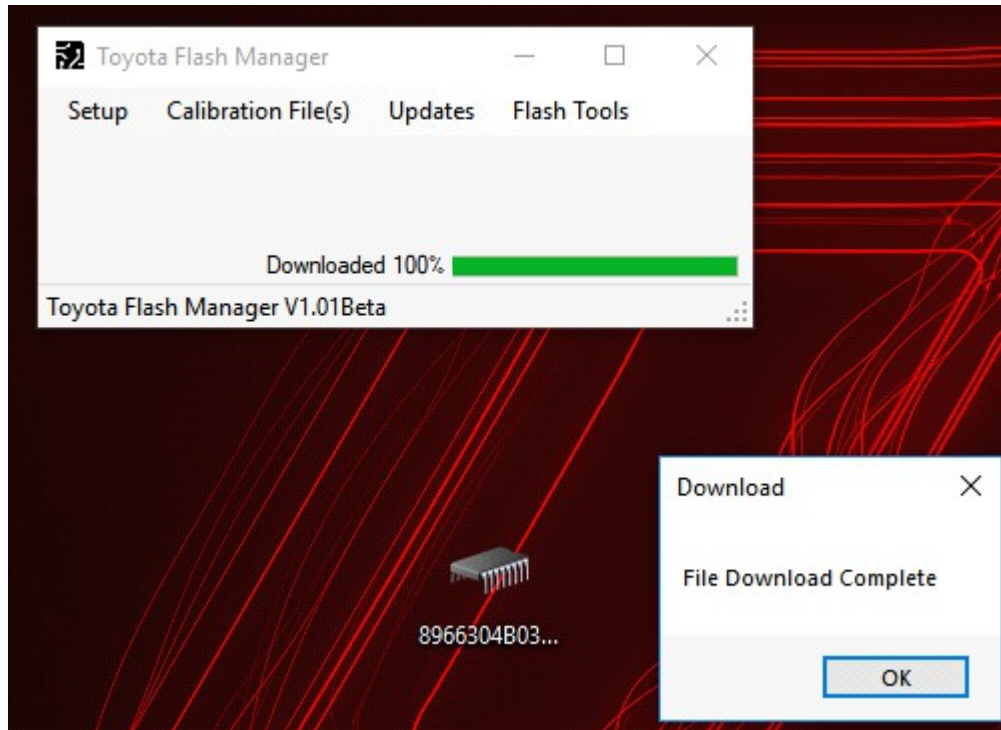


Downloading a tune example (downloading a STOCK tune)

click the ORI file associated with your ECU ID (ORI = original... the stock tune)

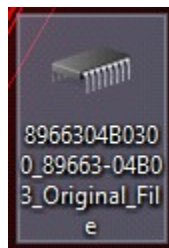


Download has completed. The file will download to where you saved Toyota Flash Manager



The original file: (this is a stock tune)

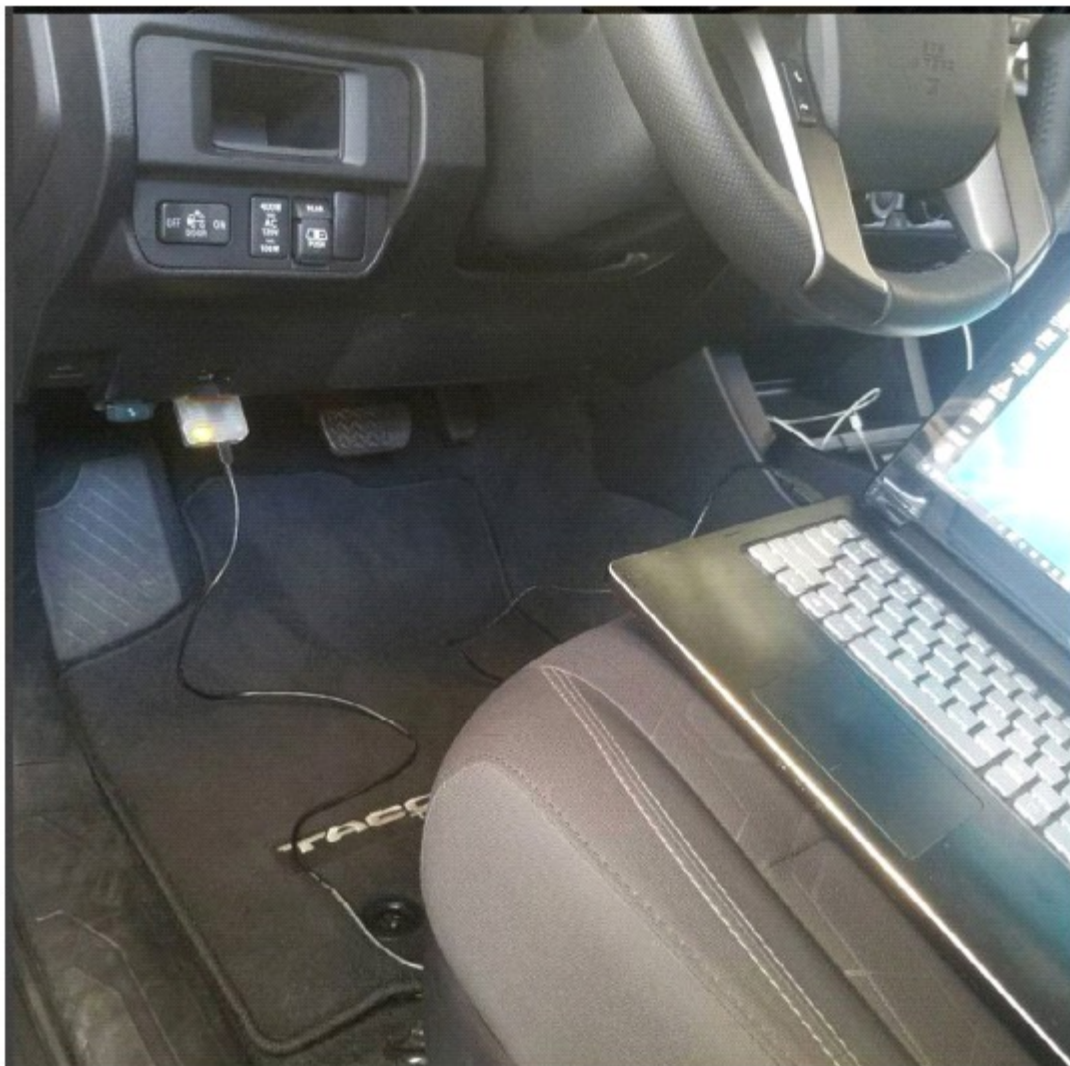
The exact same process is for downloading a tune file.



READING AND FLASHING THE ECU

Once you have downloaded the tune file for your truck, you will need to flash it.

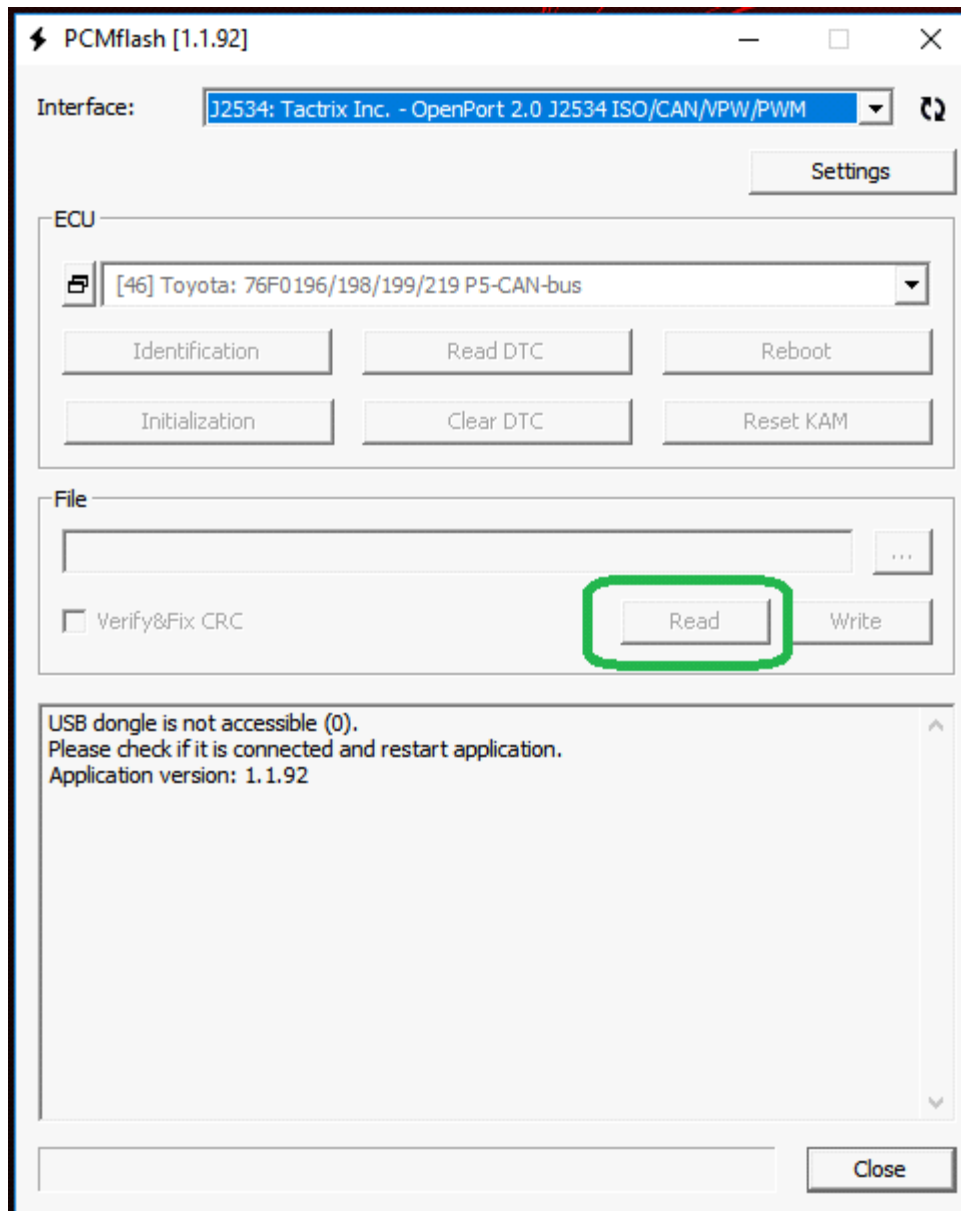
to Flash, reconnect to your truck Run PCMFash, turn the truck on the same way you would for identification



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

For the automatic you will flash the ECU and the TCU.

The process is performed the same way. The only difference is when flashing the TCU, you select the TCU Flash protocol (circled in blue above, Gearbox P5 Can-Bus)

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.

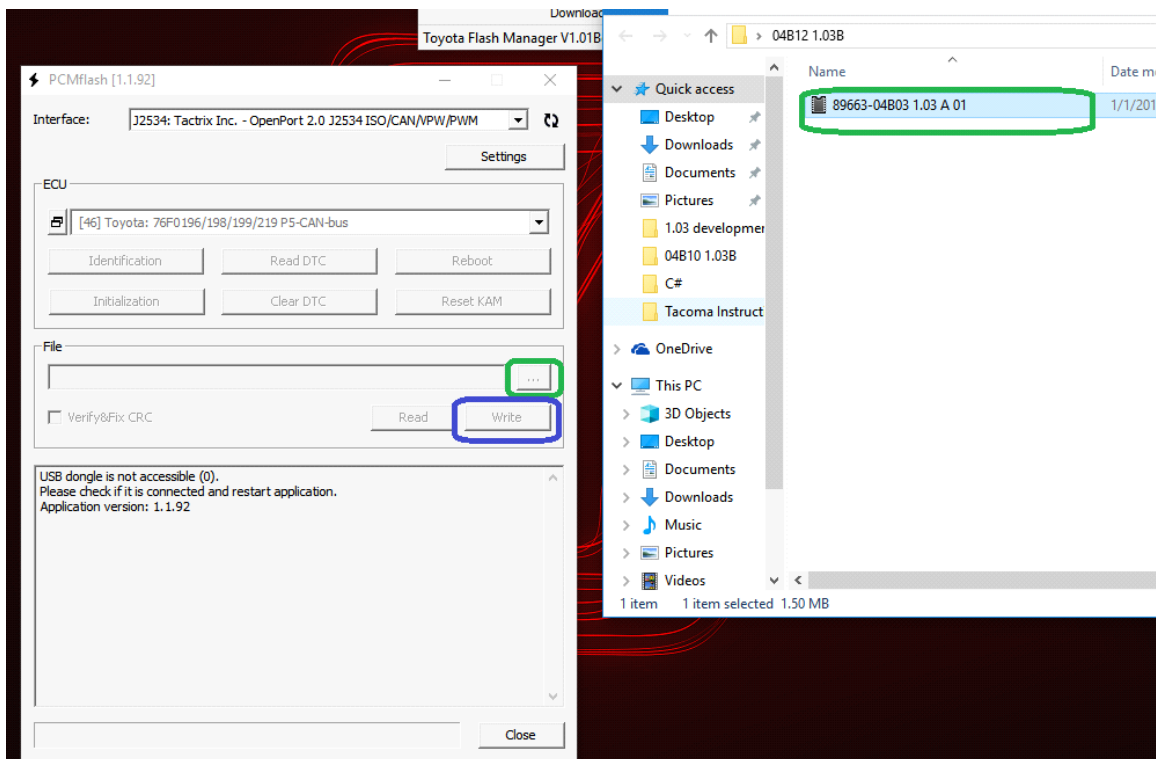
Click the WRITE button

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.

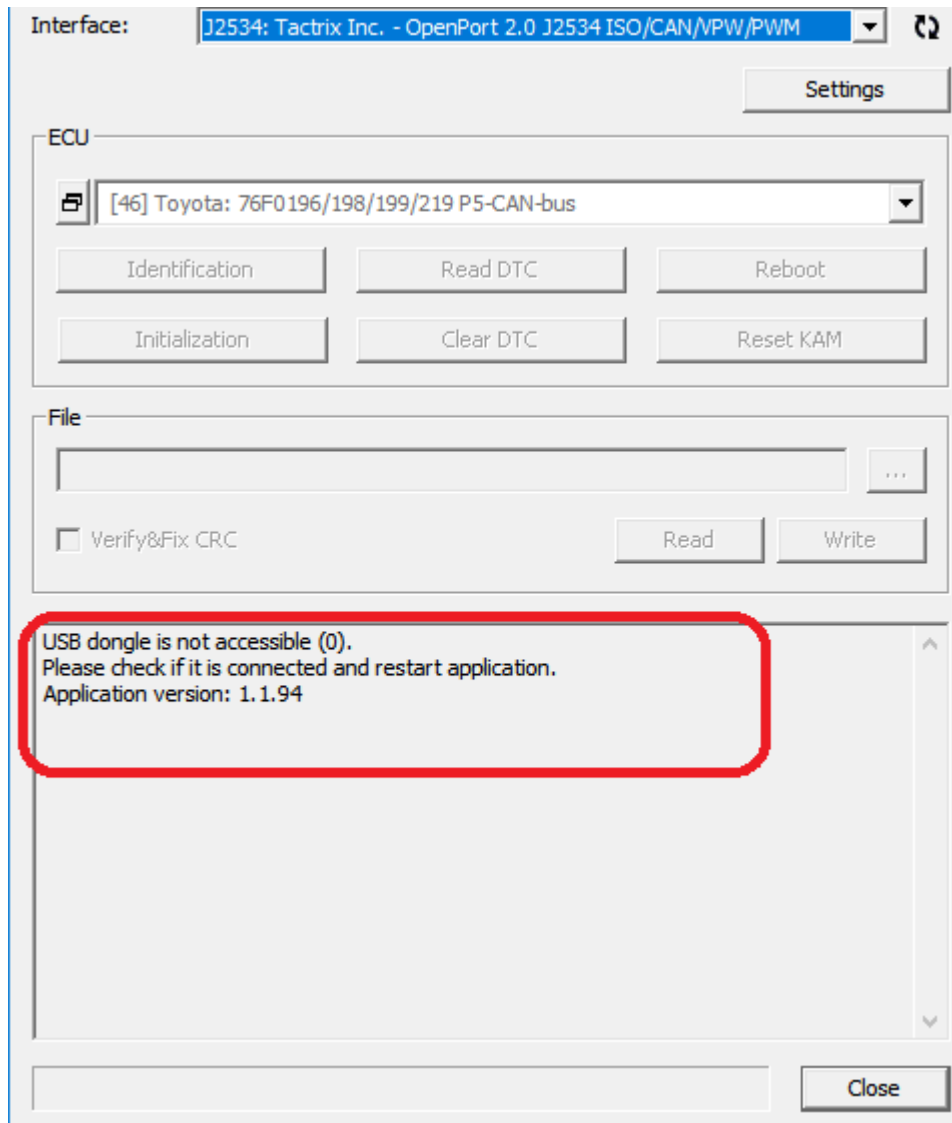
Turn the truck OFF.

Turn the truck ON, WITHOUT TRYING TO START IT

Repeat the writing process above.

allow it to flash successfully.

If you load pcmflash and get this error:



first make sure your USB Dongle is plugged in.

then make sure you installed grdDrivers

if those are both complete, it is likely your anti-virus or windows defender is stopping you from proceeding. Temporarily disable your anti-virus or windows defender software

