

# Unlocking ECU with Simos Tools

## 1 Set up dongle & download Simos Tools

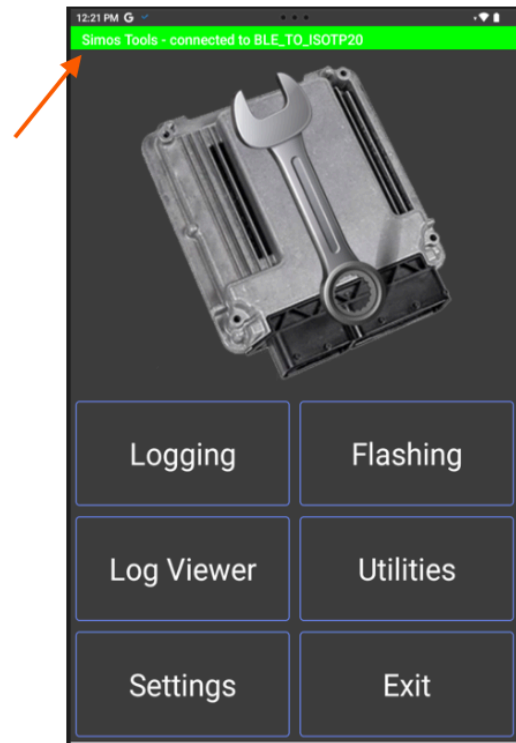
- go to google drive [Simos tools google drive](#)
- download and follow the "How to update dongle firmware guide"  
(Link to drivers [SL1 driver link](#) )
- download [Simos Tools](#) from play store onto your phone or tablet

The screenshot shows a Google Drive interface with a list of files shared with the user. The files are listed in a table with columns for Name, Owner, Last modified, and File size. An orange arrow points to the file 'How\_to\_update\_dongle\_firmware.docx'.

Name	Owner	Last modified	File size
1. Getting Started.docx	mqbdiytuning...	Sep 1, 2023	10 KB
2. SimosTools - Getting Started.docx	ericksondirk...	Sep 1, 2023	3.1 MB
3. ECU Tuning - Basics.docx	mqbdiytuning...	Sep 6, 2023	2.2 MB
4. ECU Tuning - Not the Basics.docx	mqbdiytuning...	Dec 13, 2023	1.3 MB
5. DSG Tuning - Basics.docx	mqbdiytuning...	Sep 1, 2023	143 KB
BinToolz.docx	ericksondirk...	Nov 18, 2022	506 KB
DQ250 DSG Tuning Guide	Couldn't load ...	Dec 15, 2023	938 KB
DQ250 Shift Schedule Calculator.xlsx	mqbdiytuning...	Nov 28, 2023	37 KB
Flex Tuning_Switchpatch.docx	ericksondirk...	Feb 15, 2023	226 KB
Fuel pressure diag.doc	Couldn't load ...	Jul 3, 2023	258 KB
How to enable AFU diag	Couldn't load ...	Jul 6, 2023	405 KB
<b>How_to_update_dongle_firmware.docx</b>	aaronc7@gm...	Oct 5, 2023	5 KB
How_to_update_dongle_firmware.pdf	ericksondirk...	Feb 19, 2023	940 KB
MK7 Trans ratios.xlsx			
Storable Budget MPI	Couldn't load ...	May 30, 2023	2 KB
SwitchpaTCh Traction Control.docx	ericksondirk...	Mar 23, 2023	31 KB
Weav_02Q_A .docx	mqbdiytuning...	Mar 25, 2023	14 KB

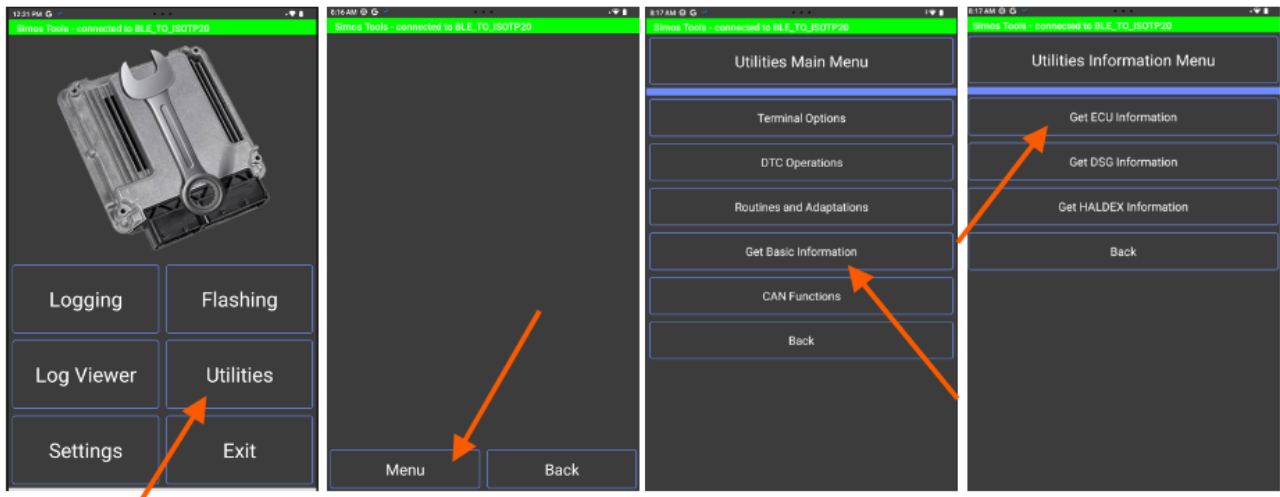
## 2 Connect dongle to obd port

- a) ensure battery charger is hooked up to the vehicle and flashing device has full charge or is connected to a charger
- b) set car to on but engine not running
- c) start Simos Tools app on your device  
(wait for banner to turn green indicating you are connected)



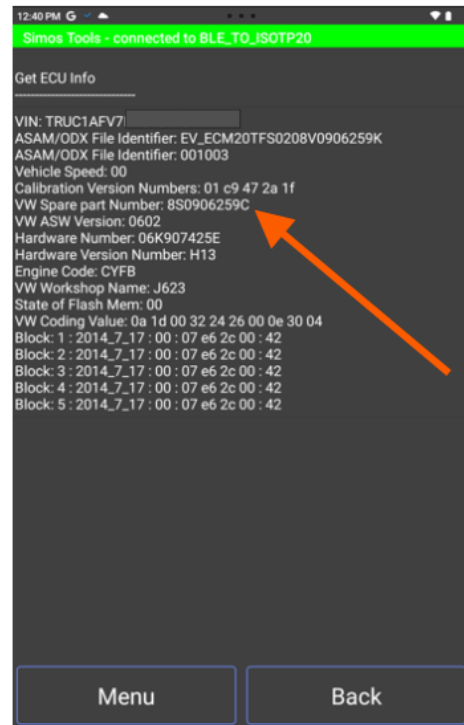
## 3 Check ecu file

- a) click [Utilities]
- b) click [Menu]
- c) click [Get Basic Information]
- d) click [Get ECU Information]



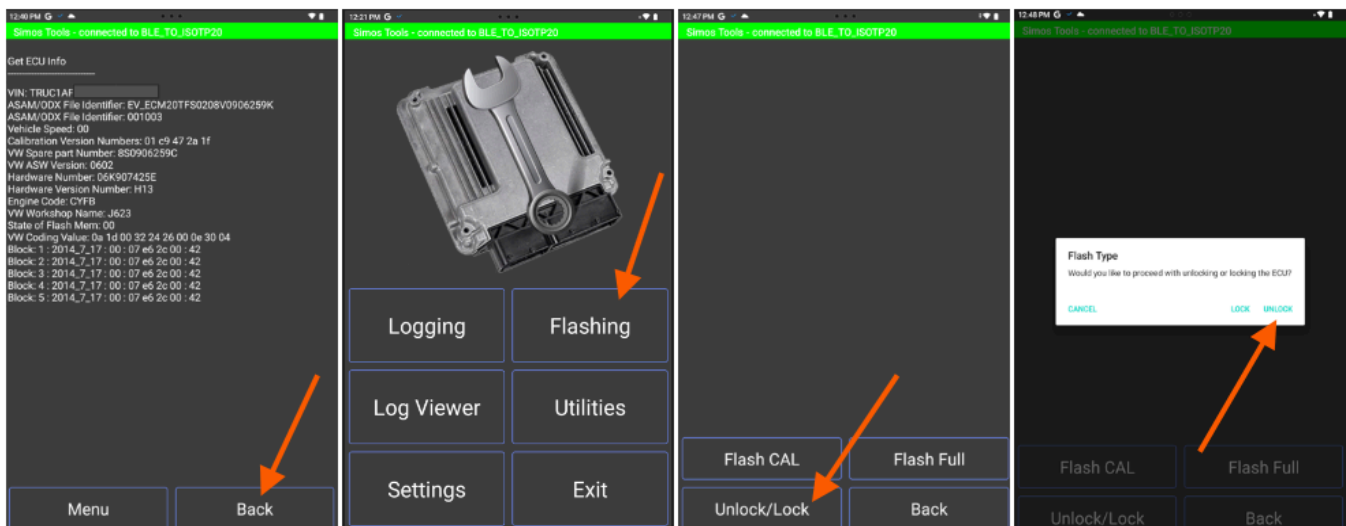
#### 4 Verify you have correct bin file for ecu (should match vw spare part # on “Get ECU Info” screen/log

- a) once you have verified you have correct bin file for your ECU download it to your phone/device



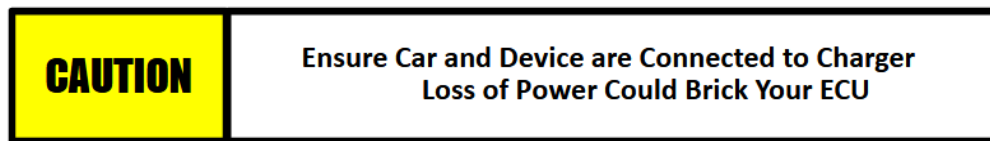
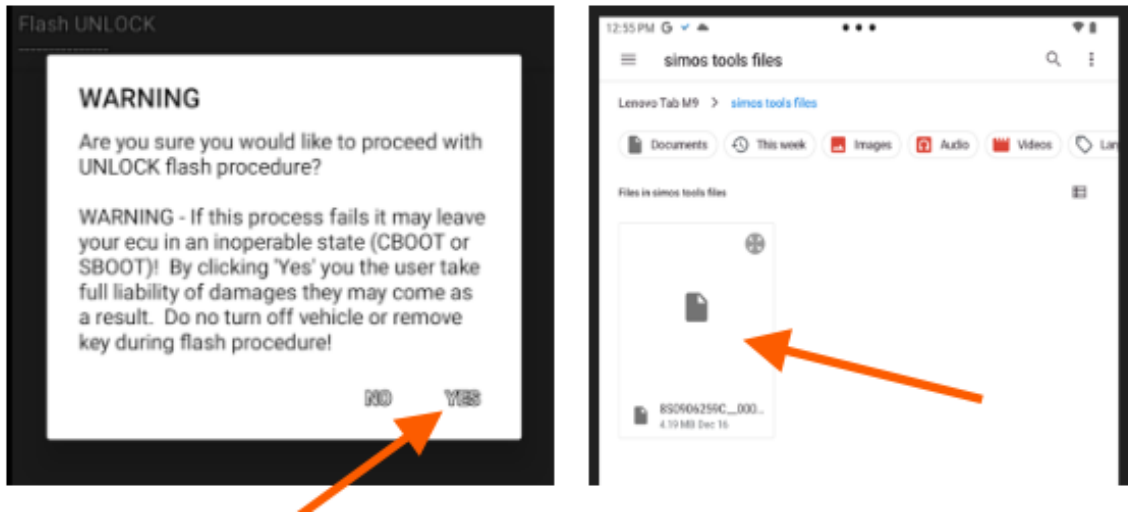
#### 5 Unlock ECU

- a) click [Back]
- b) click [Flashing]
- c) click [Unlock/Lock]
- d) message pops up “would you like to proceed...” click [Unlock]

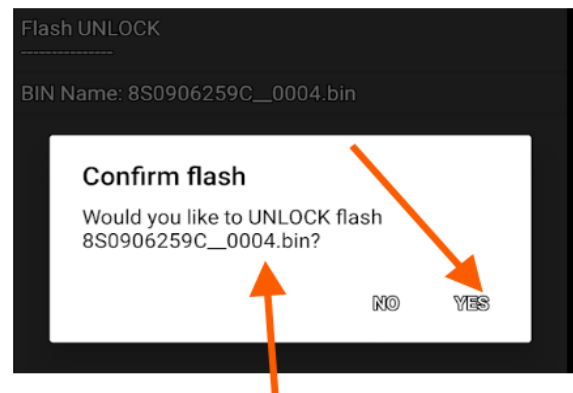


e) warning pops up, click [YES]

f) folder opens on screen, navigate to where you saved your bin file and click on it



g) message pops up “would you like to unlock flash xxxxxx” verify bin id and click [YES]

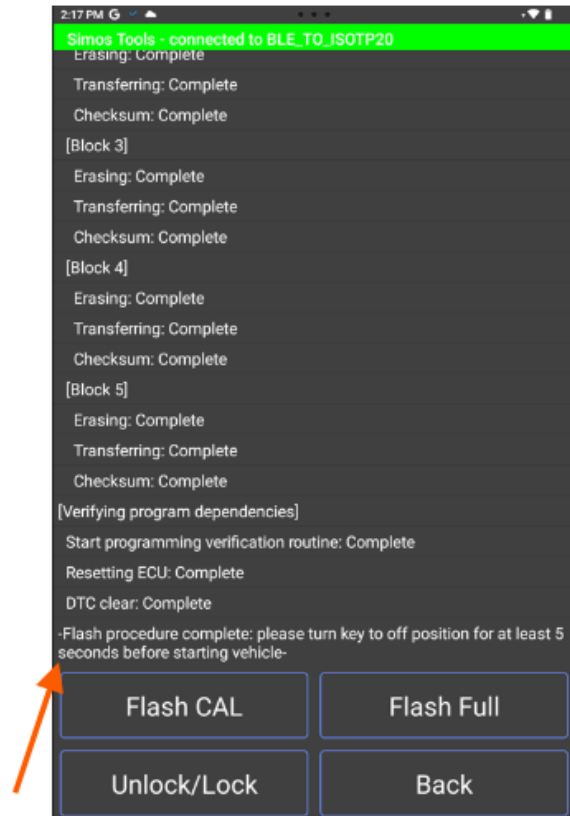


## 6 Wait as Simos Tools unlocks/flashes the ECU. (this initial flash can take up to 15 minutes)

- a) wait patiently and don't touch anything  
ignore all the flashing lights and beeps  
from your dash

*(for fun you can watch the progress  
bar on your device and pretend you  
are waiting for your TRS-80 phone  
modem to connect at the lighting  
speed of 150 baud)*

- b) when complete you should see a  
message to cycle ignition off
- c) cycle ignition off for at least 5 seconds  
then start your vehicle



**Congratulations you have successfully unlocked/flashed the ECU** and are now ready to flash your first rod throwing tune.

**NOTE:** If the flash failed and you did not receive the message to cycle your ignition or the car will not start after the flash, some of the below steps may help:

- Re-attempt unlock procedure
- Settings -> Adapter -> ECU STMIN -> increase to 500-1000us value or higher, if required, then re-attempt unlock procedure again
- If you need to flash back to 100% stock tune configuration, select "Unlock/Lock -> Lock" and pick a stock bin file to flash
- Capture debug logs and post to Simos Tools Users group. To enable debug logging, go to Settings -> Debug Mode and select all 4 checkboxes (Warnings, Exceptions, Debug, Communication), then proceed to Unlock/flash the ECU again. Once the process fails or times out, go back to Settings and click "save debug log" to save the log file.