



FABSPEED ECU TUNING GUIDE

XperTune + Handheld Tuner Overview



PLEASE READ ALL INSTRUCTIONS PRIOR TO PLUGGING IN YOUR DEVICE!

1. Electronically fill out the ECU Tuning Information Form. Please be thorough with all details. We utilize this form to ensure we meet your needs and consider your modifications to deliver the best possible results.
2. Once you receive your Handheld device, follow the instructions on our Handheld ECU Tuning Guide to install the device and prepare our files.
3.  Send the necessary files along with the ECU Tuning Information Form to our tuner via email as specified in the Tuning Instructions. If you have any questions, comments, or concerns about the tuning process, please contact us!
4. Our tuner will email you a custom ECU Tune(s) within 1-2 business days.

IMPORTANT NOTE: Fabspeed cannot be held responsible for missing any deadlines as a result of the tuning process. If we must meet a deadline – you **MUST** speak with Fabspeed to ensure we can meet your expectations. We are here to help!

We are dedicated to excellence and customer service. Let us know how you like your new tune! We invite you to contact us and share your feedback. We are always glad to feature your content – you can send any media to marketing@fabspeed.com.



TUNING INFORMATION

<i>For Fabspeed internal use only:</i>	
Sales Order #: _____	P.O. #: _____

Customer Name: _____ **Customer Phone:** _____

Company: _____

Customer Email: _____

Customer Address: _____

Additional Customer Details (Service Shop, etc.): _____

Fabspeed Sales Rep (if available): _____

Vehicle Make: _____ **Model:** _____ **Year:** _____

VIN: _____ **Engine Size (displacement):** _____

Fuel Octane: _____

Vehicle Modifications and Tuning Preferences:

(Please be specific): _____

Additional ECU Tuning notes and comments:

If you have any questions, comments, or concerns related to the tuning of your ECU, please contact us!



Handheld Tuner Instructions

The handheld tuner is a device which enables us to remotely tune your car – no need to send your ECU in! Fabspeed Motorsport supplies your handheld device with the latest firmware, already activated – no need to update the device!

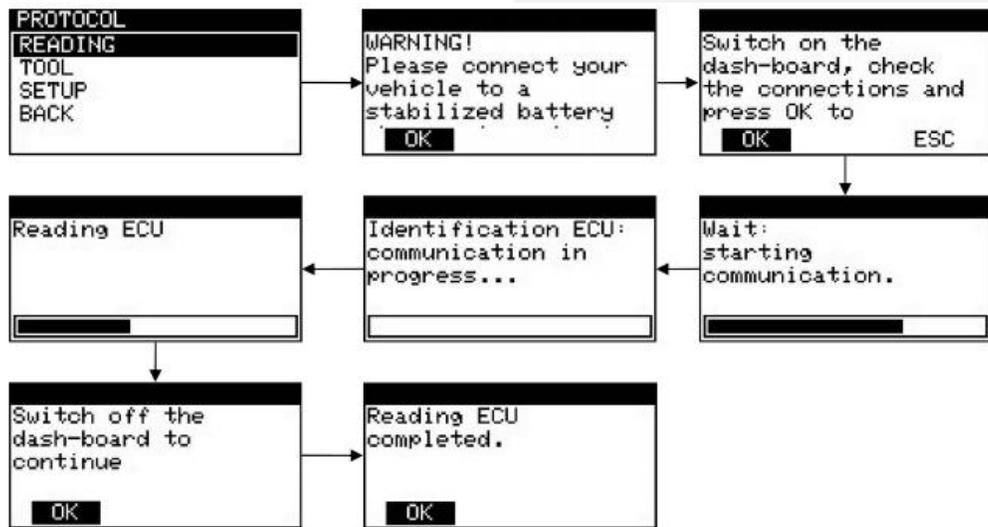
IN VEHICLE READ / ID

IMPORTANT: Battery charger required. Constant, regulated voltage is necessary during the read and write stages. Turn off all accessories (headlights/climate control/radio/etc) to keep voltage draw to a minimum. Should battery voltage drop too low, Fabspeed is not responsible for computer damage. This process may take several minutes.

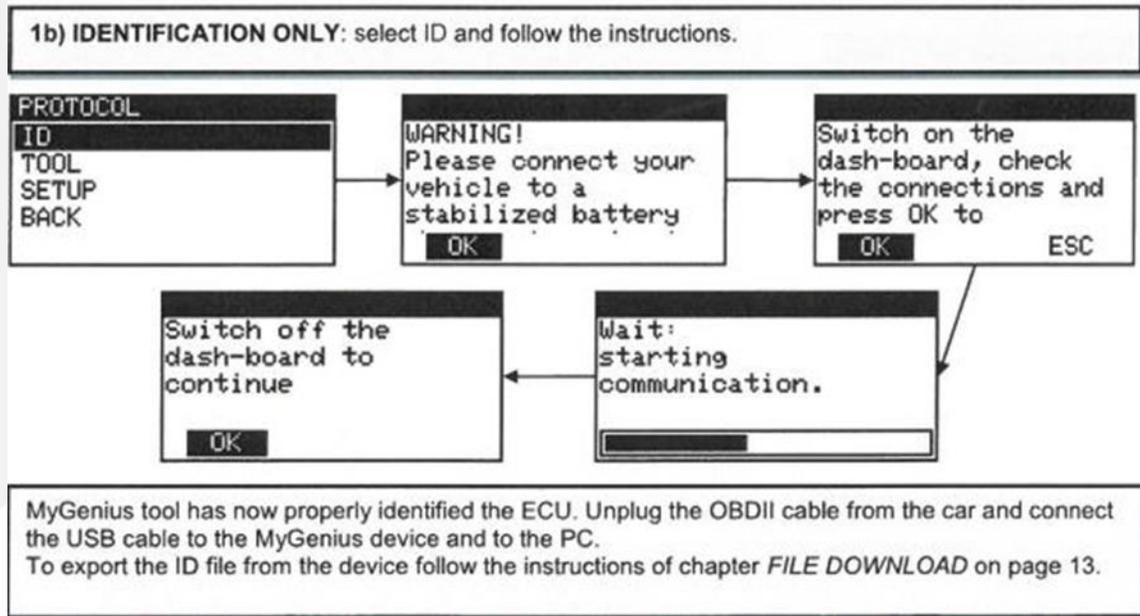
1. Attach the OBD2 cable to your handheld device. Secure with the supplied cable screws. Plug the Handheld device into your car's OBD2 diagnostic port- *Do not plug into your PC yet!*
2. Turn ignition key to the "on" position, but **Do Not start vehicle** (on Porsches turn the ignition key all the way without hitting brake or clutch / on keyless vehicles press the start button twice without putting foot on the brake pedal). The dashboard warning indicator lights will illuminate, verifying correct key position.
3. The read or id step is how we properly recognize the software on your ECU/DME. This data is critical to successfully tuning your vehicle. In the following steps the device will save the necessary files from your ECU/DME. The process may vary from vehicle to vehicle. Always follow the on-screen instructions of the device. Sample read / id procedure below:
 - At main menu screen select "**WORK**" followed by "**PRT IDENTIFY**" at next window.



- The device will now recognize if your ECU/DME is supported by a complete "**READ**" of the vehicles stock software, or a simpler faster "**ID**".
- Below is a sample flow chart of the ECU/DME "**READING**" steps. This chart is intended as a generic overview and may vary slightly between different model vehicles. Always follow the guidance of the on-screen prompts from the device.



- For ECU/DME's that are not capable of being "READ" by the device the window that will be brought forth after the "PRT IDENTIFY" step will be the "ID" stage. A sample flow chart of the "ID" process is below. Again, this chart is intended as a generic overview, and always follow the guidance of the on-screen prompts from the device.



- When all necessary files have been saved from your vehicle the device will return you again to the main "WORK" screen. You can verify the process is complete by selecting "WORK". If all critical "READ" or "ID" files are saved the following screen will read "WRITE". At this point unplug the device from the vehicle and head to your PC. Never connect to the PC while the handheld device is still plugged into the vehicle!



EXTRACTING THE FILES FROM THE DEVICE

1. Download, install and update the MyGenius Client software located here.

<https://www.fabspeed.com/my-genius-client-download/>

IMPORTANT: MyGenius software is supported by **PC only** – not compatible with Mac computers

IMPORTANT: Ensure your firewall and anti-virus software is disabled. Very commonly they will block parts of the download, and/or update. Depending on your PC setup, you may need to be the administrator, or logged in as the administrator for your PC.

2. Plug the device into your PC using the supplied USB cable, and launch the MyGenius Client software.
3. Select “Download from MyGenius” and follow the prompts to save the file to an easily accessed location on your computer.



4. Email the downloaded file accompanied by the completed tuning information form to tuning@fabspeed.com. **You must include all of the information listed below in your email.**

Failure to include this information can delay the tuning process.

- Full name
- Completed ECU Tuning Information Form – our tuner uses this information along with your downloaded files to custom tailor your tune to match your vehicle hardware and driving conditions.

Once your file is received, we will process the data, write your ECU Tune, and send it to you via email to upload to the Handheld. Please allow 1-2 business days for processing.



APPLYING THE FABSPEED ECU TUNE

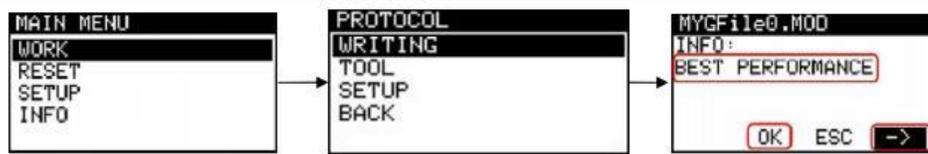
1. Upon receiving a Fabspeed “mod” file. Save the file to an easy to find location and launch MyGenius Client software with your handheld device connected to the PC.
2. Select “Upload to MyGenius” and locate the .MYG file received from Fabspeed. When complete, it is safe to unhook the Handheld device from your computer and return to your vehicle.

IMPORTANT: Battery charger required. Constant, regulated voltage is necessary during the read and write stages. Turn off all accessories (headlights/climate control/radio/etc) to keep voltage draw to a minimum. The writing procedure may take anywhere from seconds to up to an hour dependent upon model. Constant voltage is critical!

3. Inside the vehicle, connect the handheld to the OBD2 port.

IMPORTANT: Any time the Handheld device wants you to power the car on, turn the key completely as if to start car WITHOUT hitting brake or clutch pedal. **DO NOT START THE VEHICLE UNTIL THE FLASHING PROCESS IS COMPLETED.**

4. First select “**WORK**” then at following the prompt select “**WRITING**”. Next, choose your new Fabspeed tune file and select “**OK**” to begin the writing process.



- After the writing process, you may be instructed to turn the ignition off and on potentially multiple times.
5. When you are returned to the home “work” menu the tuning process is finished, and you can safely unplug the handheld device and remove it from the vehicle. The Handheld is “married” to your vehicle and can be used on your vehicle only. Retain the device in a safe place should you need to flash the vehicle again (back to stock) for any reason.

It is now safe to start your car and enjoy your new Fabspeed Tune!

GOING BACK TO STOCK

The vehicles stock file is unlocked on the handheld device for writing after the modified file has been successfully written to the vehicle. Simply repeat step (4) but select the vehicles stock file instead of the modified. You may switch between tunes at any time, at your own will, without any intervention from Fabspeed. You may also store multiple tunes on the same device for race fuel, etc. if you chose to purchase them.