



Unlocking your 6.7L Tuner

In order to unlock the tuning functions on your 6.7L tuner, please read the directions in the following pages concerning how to list your truck's information on the Spartan website.

Once this is complete, please email the following information to sales@spartandieselitech.com, with the email subject header as "6.7 Tuner Unlock".

Customer Name

Tuner Serial Number

Vehicle VIN

Vehicle Strategy (see instructions for how to read this from the truck)

Your email will be responded to with the needed "index file" to unlock all of the tuning functions of your Phalanx unit, along with a stock file used to return your vehicle back to stock once the tuner is removed. Instructions for installing both of these will be included in the email.

We require the email, in conjunction with the data stored on our website, to ensure that we always have your truck's information available to fully support both your truck and tuner, and that the data is correct. That information is a crucial part of the way we deliver proper stock files back to our customers, which is critical in the event you need to remove your tuner for warranty work.

For more information on why this is necessary, and how this process helps to protect your vehicle's warranty, please visit our website.

If you have any questions or need help with this process, just call or email us.

BEFORE TUNING YOU TRUCK FILL OUT THE ATTACHED RACE USE DISCLAIMER & LIABILITY WAIVER AND FAX TO US AT 828-692-9968, OR SCAN AND ATTACH TO AN EMAIL AND SEND TO: sales@spartandieseltech.com

TUNER REGISTRATION

To register your tuner send the following info to sales@spartandieseltech.com

Name, DashDAQ Serial #, and who you purchased your tuner from.

We will not be able to provide technical support, or register you tuner until we have a signed disclaimer from you. DEALER DISCLAIMERS WILL NOT BE ACCEPTED.



DO NOT INSTALL ANY DPF DELETE EXHAUST COMPONENTS UNTIL THESE INSTRUCTIONS HAVE BEEN READ COMPLETELY. DPF DELETE TUNE FILES MUST BE INSTALLED PRIOR TO INSTALLING DPF DELETE EXHAUST COMPONENTS. FAILURE TO INSTALL NEEDED DPF DELETE TUNING BEFORE REMOVING THESE COMPONENTS CAN LEAVE YOUR VEHICLE STRANDED UNTIL THE TUNES ARE INSTALLED AND CAN CAUSE DAMAGE TO YOUR VEHICLE AND ENGINE.

PLEASE CONNECT A BATTERY CHARGER TO YOUR TRUCK PRIOR TO LOADING ANY TUNE. IT DOESN'T MATTER WHICH ONE AND SET IT ON TRICKLE CHARGE.



SPARTAN

DIESEL TECHNOLOGIES

Hendersonville, NC (828) 606-3263
www.SpartanDieselTech.com

RACE USE DISCLAIMER AND LIABILITY WAIVER

This product is designed for competition racing use only. Use on State and Federal Highways is a violation of the EPA Clean Air Act. The Clean Air Act can be found at <http://www.epa.gov/air/caa/>. This document contains in detail what are considered to be violations of the CAA and corresponding penalties for failure to obey and should be read in full before signing this disclaimer and/or installing this off-road, race use only product. Ensuring that all emissions, noise/sound, and speed/use related laws are followed is the responsibility of the Buyer(s). Installation and use of this product indicates that this disclaimer has been read, acknowledged, and understood fully by both the Buyer(s) and Installer(s).

The Buyer(s) assume all associated risk of the purchase and/or use of this product. "Spartan Diesel Technologies" assumes no responsibility of any personal injury, death, or property damage associated with the use of this competition racing use-only product. The Buyer(s) assume all responsibility of ensuring that all applicable speed and safety restrictions are followed during the use of this product. This includes staying within speed limits of tire rating, engine speed restrictions, and legal competition racing use of the vehicle and associated product. The above is regardless of capabilities enabled by use of any "Spartan Diesel Technologies" product. All local, state, and federal laws and ordinances must be adhered during the use of the product. Determining the nature of these laws and ordinances is the exclusive responsibility of the Buyer(s).

Manufacturer Limited Vehicle Warranties should be referenced before installation and use of this product. "Spartan Diesel Technologies" shall not be held responsible for avoidance of any Manufacturer Warranties. The vehicle manufacturer is to be referenced directly by the Buyer(s) to determine what is or is not permissible under the Manufacturer's Limited Warranty. The Buyer(s) assume all possible damages and associated costs in the situation of Manufacturer Warranty avoidance.

Installation, service, and use are solely the responsibility of the Buyer(s) and Installer(s) of the given product. "Spartan Diesel Technologies" assumes no liability for personal injury or property damage due to misuse, mis-installation, or improper service of the product. The Buyer(s) and Installer(s) assume all responsibility of ensuring that all proper instructions for installation and use are followed. This product is capable of the following:

- I. Making the vehicle noncompliant with Local, State and Federal emissions regulations.

II. Making the vehicle capable of generating vehicle speeds unsafe for driving conditions.

III. Making the vehicle capable of generating conditions exceeding safe vehicle speeds based on mechanical condition of the vehicle, such as tire speed ratings.

IV. Making the vehicle capable of exceeding mechanical limits of engine speed, power output, and mechanical stress upon the powertrain, driveline, chassis, and body of the vehicle.

V. Producing power and torque output requiring superior driving skills and techniques in order to be safely applied.

It is the sole responsibility of the Buyer(s) and User(s) of this product to be aware of these additional capabilities and adjust the installation and use of the product accordingly. All other warranties, express or implied, are not applicable for the purchase and use of this product. Failure of the product due to misuse or mis-installation is specifically excluded from the Limited Warranty of this product. "Spartan Diesel Technologies" will not be held liable for indirect, incidental and/or consequential damages caused by the purchase, installation, and/or use of the product.

Signature of this disclaimer and waiver is necessary in order to receive tunes/calibrations from Spartan Diesel Technologies to enable use of our DPF Delete 6.4 Liter, or 6.7 Liter Ford Products.

Signature of this disclaimer and waiver implies that the Buyer(s) and all potential User(s) have read, understood, and accepted the contents and responsibilities of both the said disclaimer and Federal EPA Clean Air Act linked and referenced herein.

PRINT NAME OF BUYER	ADDRESS OF BUYER
CONTACT TELEPHONE	CITY, STATE, ZIP CODE
EMAIL ADDRESS	TUNER SERIAL NUMBER
SIGNATURE OF BUYER	

Pre-Turbo EGT's

Due to the fact that the 6.7L truck does not have a pre-turbo EGT sensor installed from the factory, a simple EGT reading via the Phalanx/DashDAQ is not possible without other associated hardware.

Our recommended method of properly reading Pre-Turbo exhaust gas temperatures is via one of two different kits available from **Sean @ Street Diesel Performance**.

"EGT Sensor Relocation Kit" Part# 67EGT

This is a pair of plates that install easily to remove one EGR feed pipe and allow one of the factory exhaust EGT sensors removed from the exhaust under the truck (12x1.25mm thread) to be relocated into the center of the engine, right side exhaust manifold to read pre turbo EGT. The sensor shared the same plugs making this a simple way to read EGT preturbo with drilling.

Benefits- Easiest kit to install

Drawbacks- Does not remove the full EGR system

" EGT Relocation and EGR Removal Kit" Part# 67SCOOLERD

This is a full cooler delete to remove everything from the topside of the right side engine valve cover. Including in the kit is all the blockoff plates, brackets and hardware to remove all EGR cooler and electronics. Also included for the Spartan tuners is a coolant pipe to relocate the water temp sensor from the EGR coolers. This sensor is used to monitor the water temp for the intercooler cooling system which is a unique feature of the Spartan tuner.

Benefits- Removes full EGR system; helps lower intercooler temperatures and gives a cleaner under-hood appearance.

Drawbacks- Slightly more involved and time-consuming installation.

Both kits are compatible with ONLY DPF-OFF tuning. Purchase and installation is not a necessity, but it is highly recommended.



SPARTAN DIESEL TECHNOLOGIES

Hendersonville, NC (828) 606-3263
www.SpartanDieselTech.com

Website Setup and Basics

Our 6.7L Powerstroke products **now come preloaded with the following tunes:**

(25HP DPF ON - 90 DPF ON Cab & Chassis Only)

50HP DPF ON - 125 DPF ON

40HP RACE - 80HP RACE - 120HP RACE

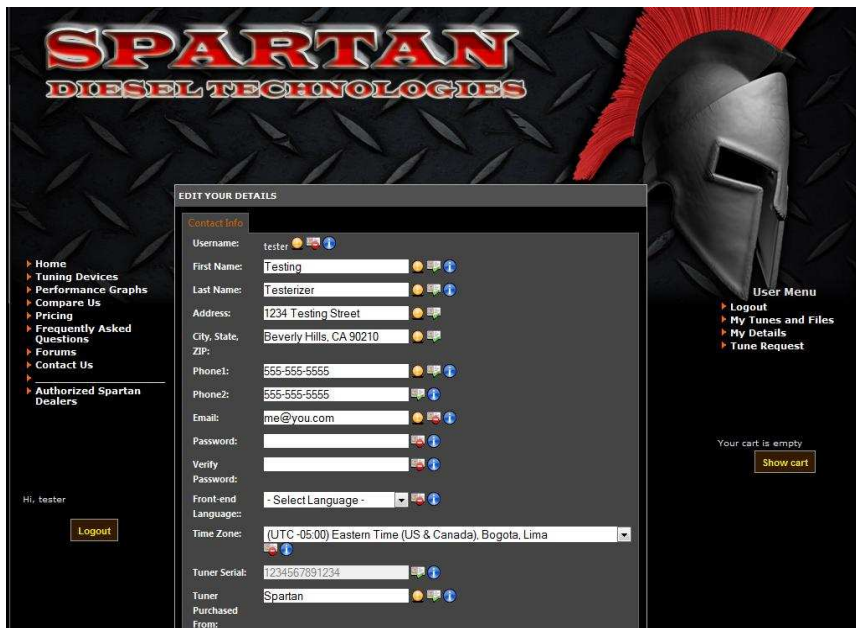
165HP RACE & 200HP RACE

Customer/Dealer Login
Username or email
newcustomer
Password

 Remember me
Login
Forgot login?

Upon receiving this product, please log into our site at www.spartandieseltech.com, using the "Customer/Dealer Login" form found on the main page of our site. Please use the "username" and "password" that we provided when you registered your tuner with us.

Directions will be provided in the email on how to confirm and activate your account.



Once logged in, you will be required to provide specific information about your vehicle. Select “My Details” under the “User Menu” on the right side of the page, then “Edit”, and “Update Your Profile”. You must fill out all required fields with the correct information. The “VIN” and “Strategy” information can be found by plugging your Phalanx Console into your vehicle. Power the console unit on. From “Gauges”, select “Exit”.

Next select “Tuning”. Now select “Vehicle Info” and then follow the directions on the screen. **This information is required for technical support- tech support cannot be provided until this profile is filled out completely.**

Your strategy code will look something like **BC3A-14C204-ESA BC3A-14C337-CH**. Your engine strategy code is **BC3A-14C204-ESA**, and you transmission strategy code is **BC3A-14C337-CH**. When entering the info on the website be sure to include the dashes between the numbers and letters.

We highly recommend all new users visit our web site and forum for assistance and detailed instructions at <http://spartandieseltch.com/index.php/frequently-asked-questions/5-tech-support> , and technical support forum www.spartandieseltch.com/forum . Both provides a wealth of information about gauges, monitor configurations, custom tune file downloads, and many other helpful subjects.



Tuning Installation

To begin the tuning process, visit the "Tuning" menu of the Phalanx console with the console plugged into the vehicle. (The vehicle diagnostic port is located under the dash on the driver's side). Click on the "Load Tune" function. The console will then prompt on-screen key-on/key-off instructions to retrieve your vehicle's calibration information- **do not start the vehicle during this process**. Once complete, a list of available tune files will appear (these can be scrolled through using the left and right arrows at the top of the screen). Please choose the tune you wish to install accordingly- make sure that the correct DPF setting is chosen for your application.

On-Road (DPF ON) Tuning- to be used for on-road applications, with the factory DPF (Diesel Particulate Filter) , DOC (Diesel Oxidation Catalyst; otherwise known as catalytic converter), SCR (Selective Catalyst Reductant) and DEF (Diesel Exhaust Fluid) still in place. If you have not removed any exhaust components, these are the settings you will need to use.

Race Tuning- to be used STRICTLY for competition racing use only applications (please reference your copy of the signed Liability/Race Use Disclaimer for legal details). These tunes are to be installed if your factory DPF, DOC, SCR, and DEF is going to be removed after installing the tunes.

Installing racing only tuning with the DPF in place will cause DPF and engine damage; Installing on-road tuning with the DPF removed will place the vehicle in constant regeneration (filter cleaning mode) and will excessively overfuel- causing an excess of white exhaust smoke and eventual engine damage. Please choose carefully; if you aren't sure as to which needs to be installed in your application, contact our tech support department.

The first "flash" of the vehicle will take 19 minutes to back up the stock file and download your new tune file. **Do NOT unplug or shut down the Phalanx console during the file loading process, and do NOT turn the ignition switch/key off for any reason until the file is complete. Doing so may damage the vehicle computers, leaving the truck inoperable until towed to a Ford dealership for computer module replacement- damage from this is NOT warrantable by Spartan or Ford- SO DO NOT TURN THE KEY OFF DURING DOWNLOAD, PERIOD.**

Custom Tunes

All units are currently shipped with all available tunes. Custom file are written on an individual basic and must be purchased through Spartan.

Any custom files (written specifically for your truck, ie for hardware modifications, ect.) will be emailed to you. Just follow the instructions that are emailed to you.



Gauge Configuration

Your Phalanx Flash console comes pre-set with our recommended monitoring options. Only one step is required to bring the monitoring functions online and viewable.

With the console plugged into the vehicle, and the vehicle either "keyed" on or running, select the "Find Signals" button within the setup menu. This will identify all monitorable signals on your vehicle.

Instructions for gauge customization are available on the Update Software disc included with your tuner, and on our forums and Drew Technologies' website at www.spartandieseltech.com/forum and www.dashdaq.com respectively. A full list of signal definitions is also available on both sites.

Thanks,
6.7L Calibration Team
Spartan Diesel Technologies