SCORCHER® PRO
PERFORMANCE PROGRAMMER
QUICK START GUIDE

PROGRAM VEHICLE
INSTALLING TUNE
Do not turn ignition key off or disconnect device.
50%
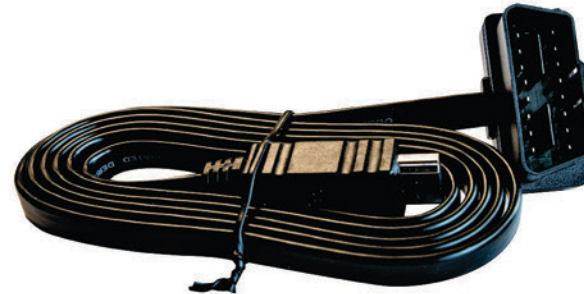
aFe POWER

SECTION 1:
PARTS & CHECKLIST

SCORCHER PRO

MICRO USB™ CABLE

HDMI/OBD II CABLE

TOOLS NEEDED:
Fuse Puller | Voltage Tester | Battery Charger | Pliers

SECTION 2:
PRE-INSTALL CHECKLIST

☐ **INTERNET ACCESS**

During the installation process you will need to connect the Scorcher Pro to the internet.

☐ **ALLOW TIME FOR INITIAL SETUP**

Make sure you have at least an hour to complete the initial setup, update, and installation process.
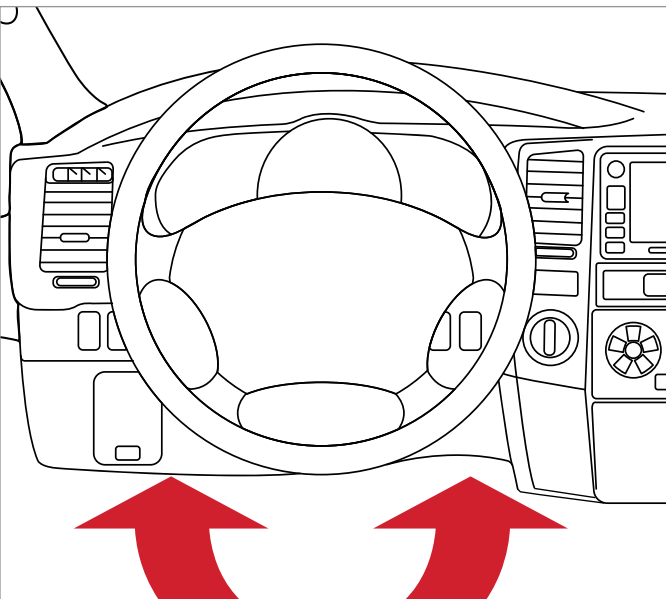
This device is not legal for sale or use in California on pollution controlled vehicles.

SECTION 3:
READING THE VEHICLE INFORMATION

NOTE: Please make sure that all stock electronics are turned off and disconnect any aftermarket electronics as well.
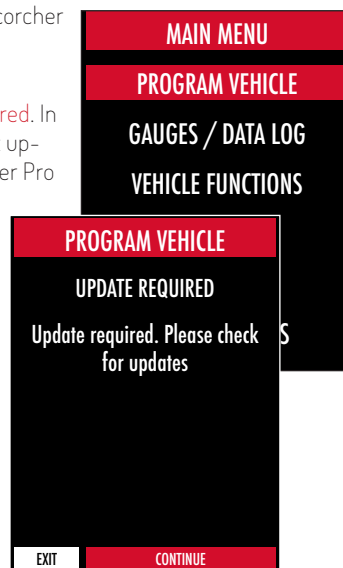
POWERING UP THE SCORCHER PRO

1. Using the provided HDMI/OBDII Cable from Section 1, plug the device into the vehicle's OBDII Port commonly found within 24" of the steering column under the driver's side dash.

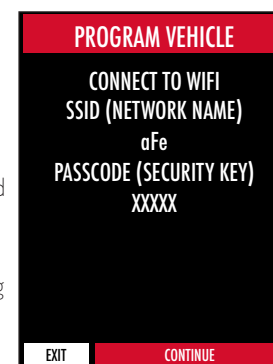#### READING THE VEHICLE'S INFORMATION

1. At this point, the key should be in the ignition, but in the OFF position until prompted to turn key ON/RUN position.
2. From the Main Menu, select Program Vehicle.
3. Processing Data: The Scorcher Pro is now reading your vehicle information.
4. Updates: Internet Required. In order to install the most up-to-date files the Scorcher Pro now requires internet access. You can access these files via two methods found in Section 4.

MAIN MENU
PROGRAM VEHICLE
GAUGES / DATA LOG
VEHICLE FUNCTIONS

PROGRAM VEHICLE
UPDATE REQUIRED
Update required. Please check for updates
EXIT   CONTINUE

SECTION 4:
METHODS FOR UPDATING THE SCORCHER PRO

METHOD #1: UPDATING VIA WIFI INSIDE THE VEHICLE

1. Select Continue from the Internet Required screen.
2. Select the WiFi network you would like to connect to. Use the middle button to confirm your selection.
3. Enter the network pass code using the arrow keys and the middle button to select.
4. Confirm the Wifi settings and select Continue.

PROGRAM VEHICLE
CONNECT TO WIFI
SSID (NETWORK NAME)
aFe
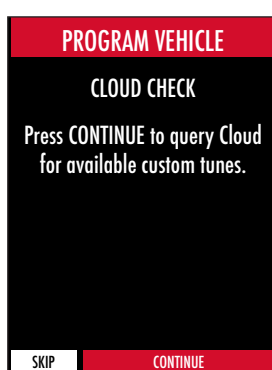PASSCODE (SECURITY KEY)
XXXXX
EXIT   CONTINUE

METHOD #2: UPDATING VIA WIFI USING USB POWER

1. Plug the Scorcher Pro into a computer or wall charger using the provided Micro USB Cable.
2. Select "Program Vehicle" from the main menu .
3. "Vehicle Updates" select "Confirm".
4. "Device Updates" select "Continue".
5. "Internet Required" select "Continue".
6. Follow on screen instruction to set up WiFi.
7. Follow on screen prompts until the "Up-To-Date" screen.
8. Unplug and return to the vehicle .

SECTION 5:
TUNING THE VEHICLE

1. Cloud Check – If your dealer has sent you a custom tune using the cloud select "continue" to download the custom tune. If not select "Skip" and follow prompts.

2. Select your tune from the following menu items:

   Pre-Loaded Tune Files
   Preloaded aFe Power tunes for use on stock vehicles only.

   Custom Tune
   Custom Tuning Dealer files, if there are any on the device.
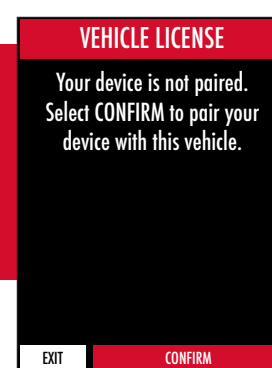
   Return to Stock
   Restore original factory file to vehicle.

3. Highlight the tune you wish to use and select confirm.

PROGRAM VEHICLE
CLOUD CHECK
Press CONTINUE to query Cloud for available custom tunes.
SKIP   CONTINUE

4. Read and acknowledge the street use notice.
5. Depending on your vehicle there may be further parameters you can change under "Additional Tune Option". Select "Change" to view the available options or "Skip" to continue with downloading the tune only.
6. The Tune and any Additional Tune Options will now be installed. Follow the on-screen directions to finish the process.

PROGRAM VEHICLE
STREET USE NOTICE
This device is NOT LEGAL for sale or use in California on any pollution controlled motor vehicles.
Press CONTINUE to start programming.
EXIT   CONTINUE

NOTE: During the installation the Scorcher Pro will be married to your (One) vehicle. Once married there is an unlock fee to un-marry the device from your vehicle in order to install it on another vehicle.
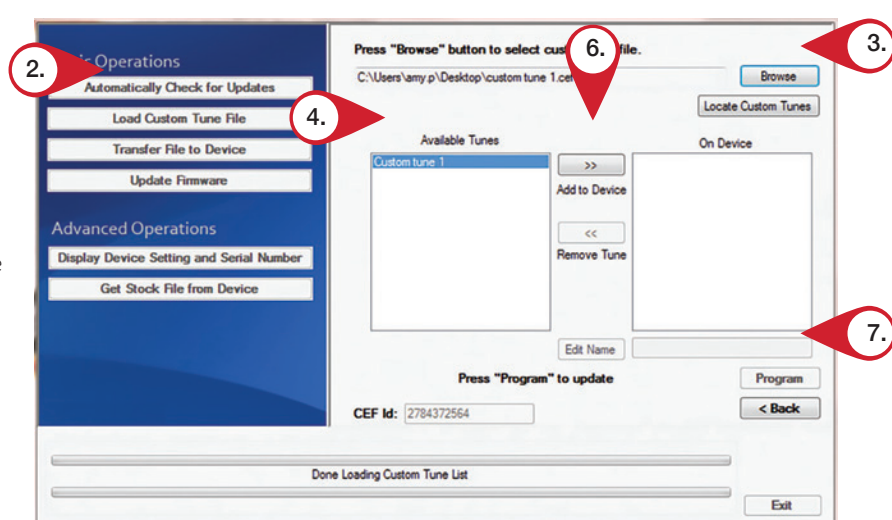
VEHICLE LICENSE
Your device is not paired. Select CONFIRM to pair your device with this vehicle.
EXIT   CONFIRM

SECTION 6:
LOADING CUSTOM TUNES

NOTE: Make sure the "Updater Software" from Section 4 Has been completed before proceeding with Section 6.

The Scorcher Pro is capable of having custom tune files sent over the Cloud straight to the device from aFe. If aFe has chosen to email your file, you can load them onto the device using the Device Updater software.

1. From your e-mail, save your Custom Tunes (.cef files) to your computer's Desktop.
2. Open the Updater software and click the Load Custom Tune File button.
3. Click Browse and locate your custom tunes on your Desktop. Alternatively, you can also click Locate Custom Tunes.
4. Highlight the Tune you wish to load. The tune you selected should move to the Available Tunes section.
5. Select the listed tune in the Available Tunes section, then click the >> button to move the selected tune to the On Device section.
6. Highlight the tune under the On Device section, then click program. Tunes can only be loaded one at a time. Repeat steps 3–7 for each tune, the device can hold up to ten custom tunes.
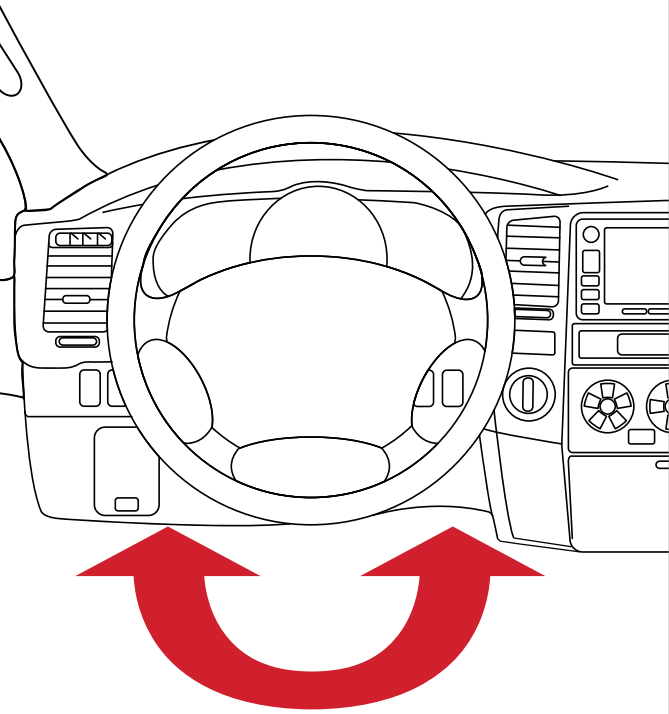
NOTE: To edit the name of the file as it appears on your device, you must highlight the file after transferring the file to the On Device section of Updater. Next to Edit Name, change the name of the file here. Select Save, then Program.
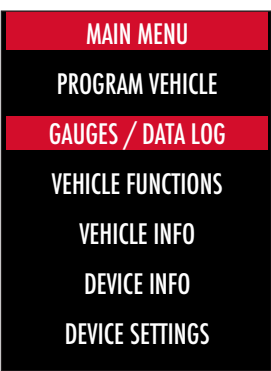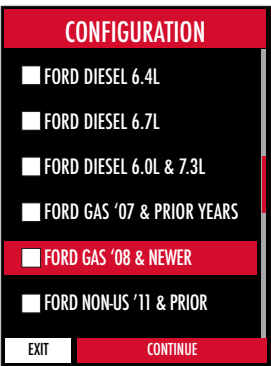
SECTION 7:
ON-DEVICE DATA LOGGING

1. Connect the Scorcher Pro to the OBDII port.

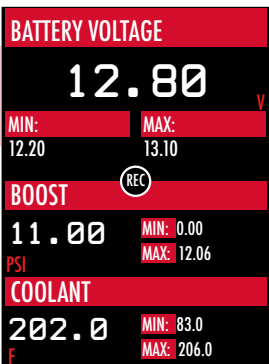2. From the Main Menu, scroll to Gauges/Datalog and press the center button on the Scorcher Pro.

MAIN MENU
- PROGRAM VEHICLE
- GAUGES / DATA LOG
- VEHICLE FUNCTIONS
- VEHICLE INFO
- DEVICE INFO
- DEVICE SETTINGS

3. On initial setup, you will need to select Configuration press the center button, and select your vehicle from a list of data log files. In the future, you can continue without going through the vehicle selection.

CONFIGURATION
- ☐ FORD DIESEL 6.4L
- ☐ FORD DIESEL 6.7L
- ☐ FORD DIESEL 6.0L & 7.3L
- ☐ FORD GAS '07 & PRIOR YEARS
- ☑ FORD GAS '08 & NEWER
- ☐ FORD NON-US '11 & PRIOR

| EXIT | CONTINUE |

4. Once you select your vehicle, the default gauges will show up and can now be monitored.

NOTE: Gauges are defaulted to metric units of measurement.

BATTERY VOLTAGE
12.80 V
MIN: 12.20   MAX: 13.10

BOOST (REC)
11.00 PSI   MIN: 0.00   MAX: 12.06

COOLANT
202.0 F   MIN: 83.0   MAX: 206.0

5. The items being monitored can be adjusted by pressing up or down on the device to highlight and then pressing the center button on the Scorcher Pro to select which reading you'd like to change. Within this menu, you can change the item you're monitoring, and the units in which it will be displaying. You can also change the layout of the gauges within this menu.

6. To start or stop data logging, press the center button on the Scorcher Pro while monitoring the gauges.

7. While monitoring, press right or left on the device to go to the Gauges/Datalog menu. From this menu, you may start recording, select a data log file with which to log, change the gauge layout, and reset the min/max values on the monitor.

SECTION 8:
ADJUSTABLE OPTIONS EXPLAINED

DIESEL VEHICLE SPECIFIC OPTIONS

Performance/Extreme
The most aggressive preloaded diesel tune. Good for everyday use, racing, or economy but not recommended for any type of towing.

Street/Performance
The Street tune has less power than Performance with a moderate gain over stock, safe for light towing, under 5,000 lbs.

Towing/Tow
This tune should be used when towing any significant load as the shifting is specific for towing.

Trans Only
For heavy loads, the engine and boost are left stock and only the transmission shift points are tuned.

Jake Brake
Helps to increase engine braking while coasting to help lower braking temperatures.

Locked at CT
Keeps the torque converter locked during deceleration to aid in engine braking.

Lock In 1-2-3
Locks the torque converter in 1st, 2nd and 3rd gear.

Agg. Tow Haul
More aggressive shift schedule keeping the engine in its power band longer.

DIESEL & GAS VEHICLE OPTIONS:

Axle Ratio
Corrects shift patterns / speedometer for aftermarket axles / parts. (Not available on all vehicles)

Tire Size
Sets tire size to correct shift patterns/speedometer. (Not available on all vehicles)

Idle Speed
Sets idle speed in RPM.

Traction Control
On/Off setting disables traction control without using the TCS button.

WOT Shift
Increase or Decrease the WOT shift points of each gear individually by MPH.

Shift Pressure
% change in transmission pressure during shifts. (+ equals firmer, - equals softer)

GAS VEHICLE SPECIFIC OPTIONS:

Tune Type
Performance levels vary by the octane you select. Higher octane will provide higher performance increase.

Towing Tune
Adjusts the octane based tunes to focus more on towing over performance.

Global Spark
Add or remove timing advance to the entire RPM range.

Spark by RPM
Add or remove timing by RPM range. (0-2000) (2000-4000) (4000-8000)

WOT Fuel
Add or remove fuel at wide open throttle. (WOT)

Fuel Injectors
Allows you to adjust for different sized injectors. (Not available on all vehicles)

CMCV Deletes
Updates tune to handle the CMCV/IMRC delete plates modification.

Fan Control
Lowers the temperature at which the fan turns on.

Rev Limiter Drive
Sets rev limit in RPM while in drive.

Rev Limiter Neutral
Sets rev limit in RPM while in neutral.

Speed Limit
Remove, increase, or decrease the vehicle speed limiter. (AKA Governor)

NOTE: Adjustable Options vary for each vehicle and are not available on all vehicles.

SECTION 9:
FREQUENTLY ASKED QUESTIONS

Q: When I try to update my tuner, it says "Please connect device" but it's already plugged in.

A: This is an issue with your PC's driver software.

Q: When I connect the tuner to the vehicle, it doesn't power on.

A: Check for blown fuses specific to the OBDII Port/Cigarette Lighter for your vehicle.

Q: Does the tuner have to stay plugged in to keep the vehicle tuned?

A: No, after tuning the vehicle you can disconnect the programmer and store it.

Q: Can I stack/combine the Scorcher Pro with another chip or tuning module?

A: All chips/tuning products must be removed prior to tuning with any device.

Q: Can the vehicle be tuned while the engine is running?

A: We do not recommend tuning the vehicle while the engine is running as this can cause severe damage to the vehicle and the PCM.

Q: Should I return to stock before taking my car to the dealer?

A: We recommend that you always return your vehicle to stock before returning to the dealership as this prevents the tuner from becoming locked if the dealer updates the PCM.

Q: My device is telling me my car is a Shelby GT500 when I go to program vehicle or My device says Demo Mode when I read Device Info.

A: Check device settings and look for Demo Mode. If it is on disable it by turning it to off. This will cause the device to stop identifying your vehicle as a Shelby GT500 and will now operate as needed.

Q: My vehicle is modified and I loaded a preloaded tune. Now it won't run as expected.

A: In most cases a modified vehicle requires a custom tune. There are set ups in the preloaded tune options to adapt to certain cold air intakes, however this is per vehicle and what works for one vehicle may not work on another.

Q: Can I tune more than one vehicle with this programmer?

A: No, during the installation the Scorcher Pro will be married to your vehicle. Once married there is an unlock fee to un-marry the device from your vehicle in order to install it on another vehicle.