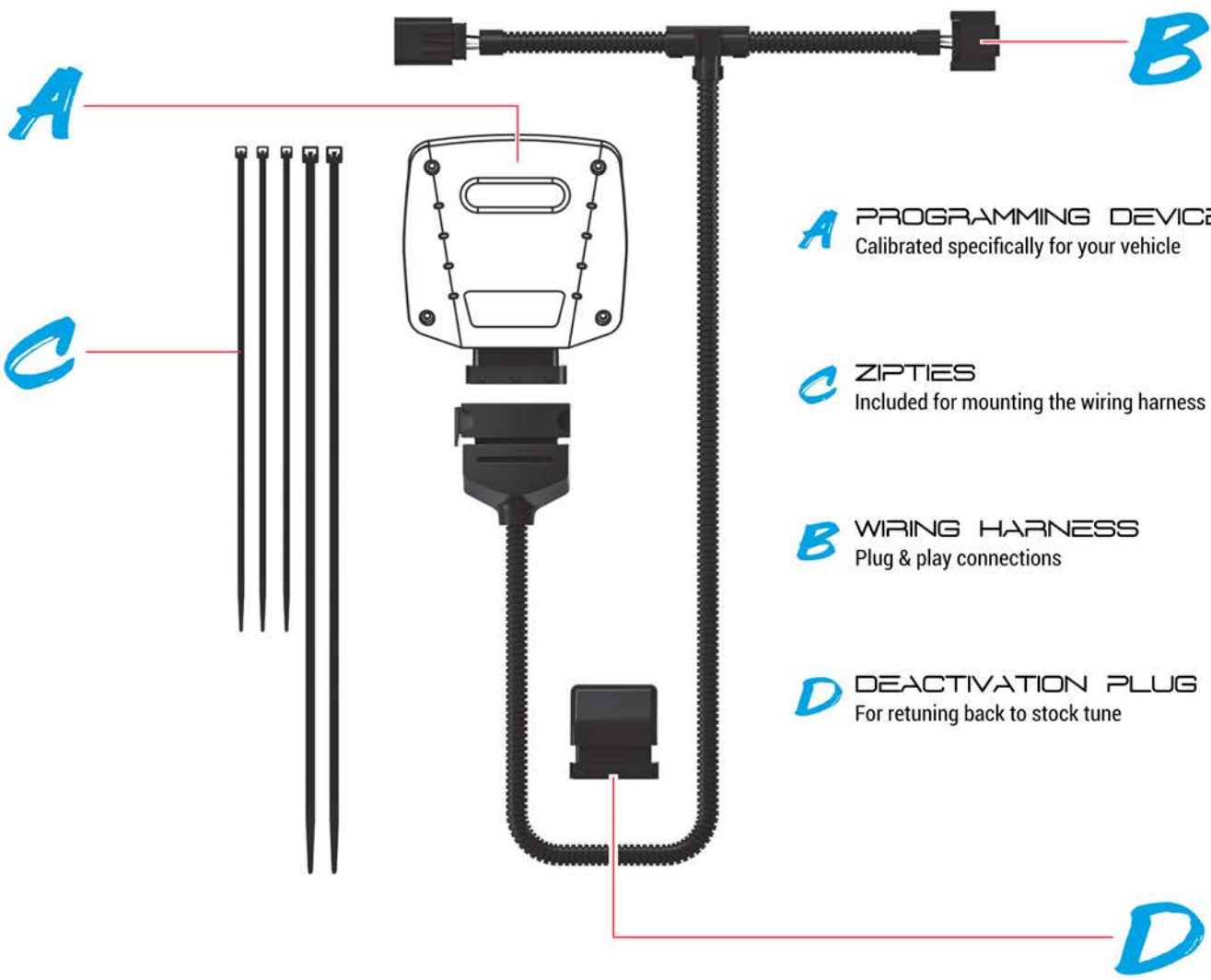


USER MANUAL

+ App Control

WHATS IN THE BOX?

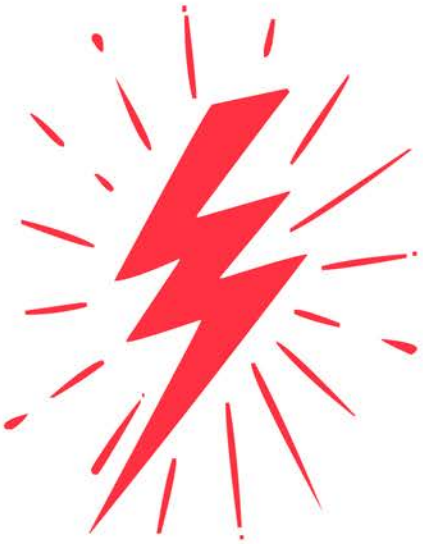


A PROGRAMMING DEVICE
Calibrated specifically for your vehicle

C ZIPTIES
Included for mounting the wiring harness

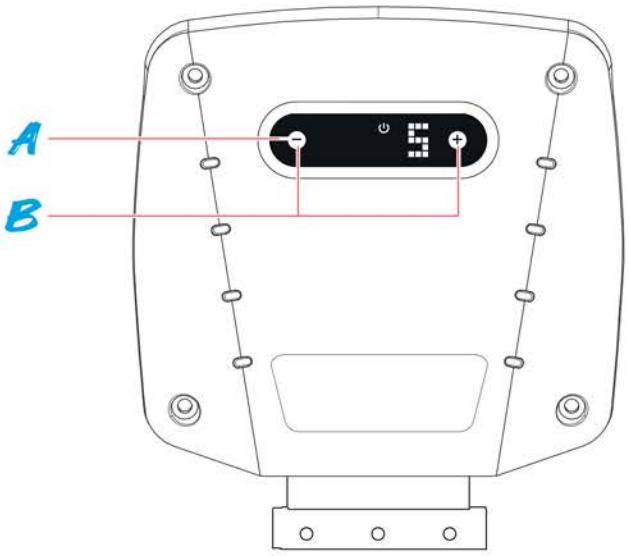
B WIRING HARNESS
Plug & play connections

D DEACTIVATION PLUG
For retuning back to stock tune



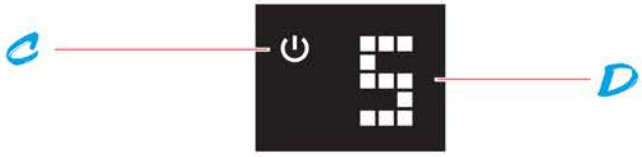
TUNEX

DEVICE LAYOUT



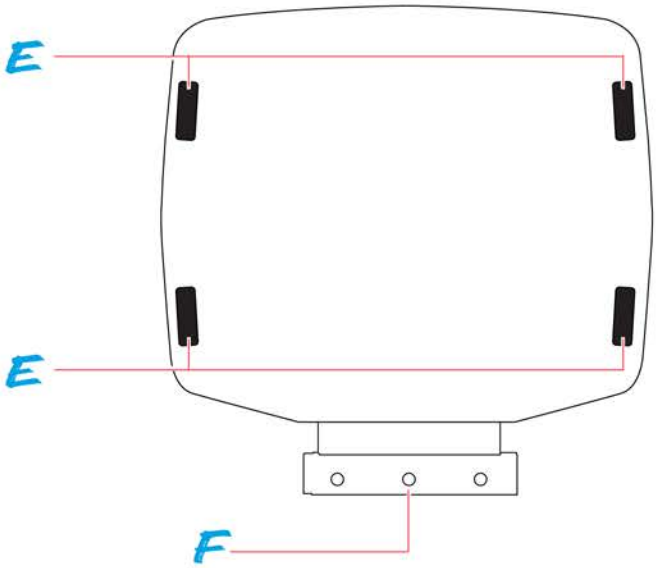
A Digital display / Interface

B +/- buttons to change mapping



C Power ON light

D Selected map



E Slots for mounting with included cable ties

F Plug to connect to wiring harness

INSTALLATION INSTRUCTIONS

Before installing the tuning module, please wait for your engine to cool down to reduce risk of possible burns.

Activate the parking brake *(emergency brake)* before starting installation.

If an aftermarket alarm system is fitted: please disable the alarm before starting installation.

If you have any questions or difficulties during the installation, please refer to the **Troubleshooting** section.

1. **Remove the engine cover & set aside.**

2. **Locate necessary MAP connectors on OEM harness.**



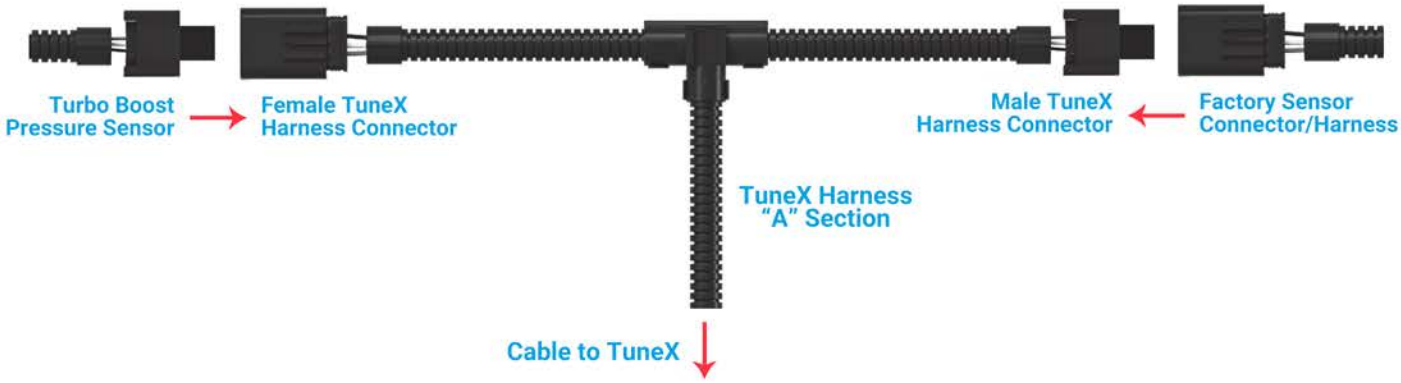
Pictured: 3.5L EcoBoost

Locate your boost pressure sensor **(A)** and your manifold pressure sensor **(B)** in your engine bay.

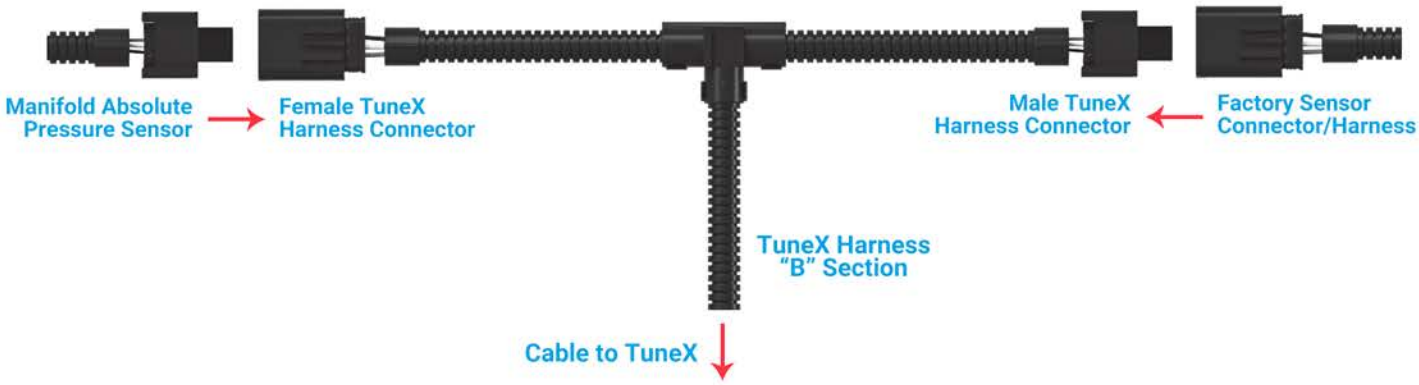
INSTALLATION INSTRUCTIONS

3. Wiring harness installation.

Locate the section of TuneX wiring harness labeled “A”. Plug this T-section in between your factory turbo boost pressure sensor and the factory wiring harness *(see illustration below)*.



Locate the section of TuneX wiring harness labeled “B”. Plug this T-section in between your factory manifold absolute pressure (MAP) sensor and the factory wiring harness *(see illustration below)*.



INSTALLATION INSTRUCTIONS

4. Connecting the TuneX device.

Disconnect the Deactivation plug from the end of the TuneX wiring harness by sliding out purple locking tab and pulling out plug. Connect the TuneX device to the harness.



Installation note: If the digital interface lights up as soon as you connect, there may have still been power in the system during installation. This may lead to an error message. Refer to **Troubleshooting** section for the solution if you receive this error.

5. TuneX Function Test.

- Position the TuneX device and wiring harness safely in the engine bay.
- Switch the ignition **ON**. *Do NOT start the engine.*
- Check for the following:
  - Control lights on the dashboard light as usual
  - The Power **ON** light on the TuneX digital display is lit up
- If all the above happens, start the enge. The engine should start and run as normal.
- Turn off engine and ignition.

If car does not start as normal, please refer to the **Troubleshooting** section for tips.

TUNEX

INSTALLATION INSTRUCTIONS

6. Final attachment of wiring harness and TuneX device.

Locate the location in the engine bay which you wish to affix the TuneX device. Then, starting with the connected ends of the wiring harness, route the harness through the engine bay toward the chosen area, attaching to existing wiring with the included zip ties. Be sure to avoid excessive tension and high heat areas.



Example routing illustrated

- When selecting a mounting location, make sure that the TuneX is protected from exposure to water, heat and vibrations.
- Do NOT wrap the TuneX in an airtight bag or container; this can lead to condensation.
- Do not wrap the cables in high heat areas (ex: the exhaust system, turbocharger, etc.)
- Do not route the cable along movable parts
- Do not fasten the cable onto brake or other hoses which would result in abrasion.

Next. to mount the device, use the included clips that slide into the slots on the back of the TuneX device. You can then use the included zip ties to mount the device in the desired location.



If you need to remove the TuneX for any reason, you can simply release the clips from the back of the device rather than cutting the zip ties.

7. Reattach the engine cover.

The physical installation is now complete. Next, you will install the app and sync it to your TuneX device.

SYNC YOUR DEVICE+APP

Head to your operating system's *(Android or Apple)* store. Locate and download the **Tuning: Pro** app.

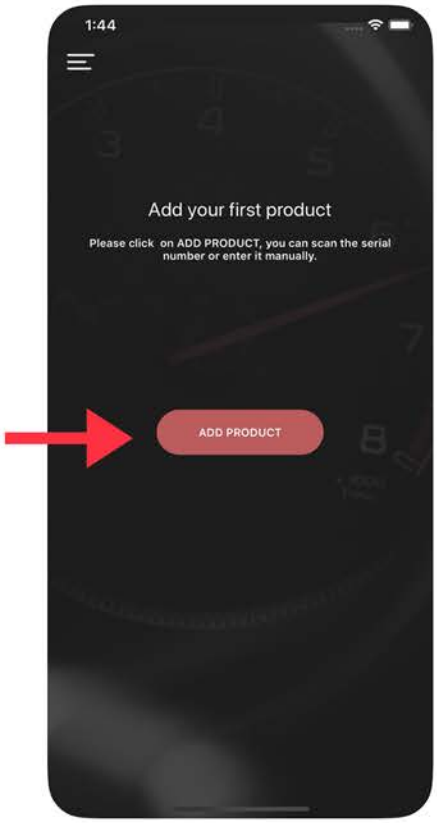
Tuning: Pro

Switch on the vehicle's ignition. Do not start the engine.

Activate the bluetooth fuction on your smartphone.

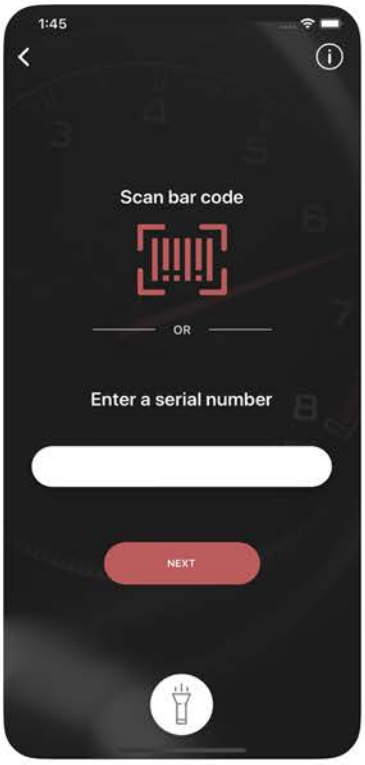
Open the Tuning: Pro app.

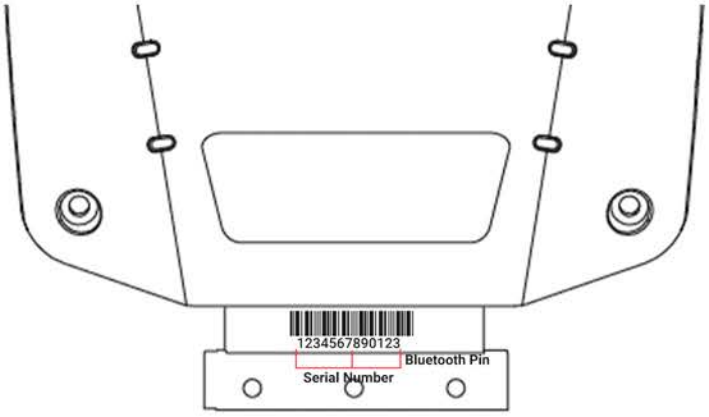
When you open the app for the first time, you will receive a prompt to **ADD PRODUCT**. Click this button and follow the on-screen instructions.



SYNC YOUR DEVICE+APP

The next screen will ask you to enter the serial number for your TuneX device. You can enter the number by hand (touch the **Text Entry bar**) or by scanning the QR code on the back of the device (touch **Scan Bar Code**).





The 13-digit serial number is located on the FCI connector of the tuning module. The Bluetooth PIN consists of the last 6 digits of the serial number.

Having trouble with connecting your tuning module and your phone's Bluetooth?

Follow these steps one by one until the pairing is complete:
1. Check that the car's ignition is switched on.
2. Check that the Bluetooth function on your smartphone is fully activated.
3. Check to see if the tuning module's Bluetooth connection is active (symbol will be lit on the digital display). *If the Bluetooth symbol is flashing or not lit, please reach out to the company you have purchased the device from.*
4. Deactivate and then re-activate the Bluetooth connection. Check if the tuning module and your phone will pair now.
5. Re-start the Tuning Pro app.
6. Go to your smartphone's settings and view all discoverable Bluetooth devices.

If your tuning module (Tuning Pro) is not visible, please contact our customer service.

TUNEX

FINE TUNING

The performance calibration in your TuneX device has been engineered specifically for your engine and vehicle., so further adjustment is generally not necessary in order to get the best performance. However, performance tolerances or the condition of the engine can sometimes mean that fine tuning is needed after installing the tune.

The digital interface on the TuneX lets you make adjustments to the tune yourself to get the best from your Ford.

Fine tuning your TuneX device:



NOTE: The map can only be changed using the +/- buttons and only when the ignition is on but the engine is **NOT** running.

There are 7 Maps total included in the TuneX device.
Map 5 is the default TuneX Map setting.

If your engine is running rough after install, start with activating Map 1. Take a test drive.
If the vehicle runs normal, continue to Map 2, and so on. You can continue this process through Map 7 if the vehicle is running good. **Please note: 93 octane is required when using Maps 6 and 7.**

If you would like more performance than Map 5 nets you, then you can activate Maps 6 and 7 for an additional boost. **Please note: 93 octane is required when using Maps 6 and 7.**

Map 0 puts the engine back to a stock tune with the device still plugged in.

You can also use the deactivation plug to return the vehicle to the stock tune without having to remove the wiring harness. In order to use the deactivaation plug, remove the TuneX from the wiring harness connector and replace it with the plug.



TUNEX

TROUBLE SHOOTING

If you run into an issue when using or installing your TuneX device, check out some of the tips & tricks below:

Problem	Possible Solution
No extra performance or not noticeable enough. *I am not satisfied with the performance level of my vehicle.*	Use the digital display interface to adjust the Map settings. See **Fine Tuning** section.
Knocking/Rattling *The engine knocks or rattles (diesel engine) more under load. It runs less smoothly than in stock tune.*	If your engine knocks or rattles more than with the stock tune, please take the car for a few test drives to be sure that your first impression was right. On the test drive, pay special attention to the engine's behaviour under load – ***the performance upgrade only works under load***. • If your first impression was right, you can find detailed instructions on how to test out the different Maps in the **Fine Tuning** section. • If the knocking/rattling is very noticeable, uninstall the TuneX.
Quality of shifting reduced *The shift behaviour and/or the shift quality has worsened.*	Use the digital display interface to select the next lowest Map setting (see **Fine Tuning** section). Repeat this until you are happy with the shifting.
Check Engine Light *A warning light on the dashboard comes on and stays on after installation of the performance upgrade.*	If a warning light comes on, do not panic. It does not automatically mean something is wrong with the engine. The lamp can simply be a measure programmed by the manufacturer to protect the engine; it can be triggered if a cable is disconnected from a sensor when there was still power in the system, for instance. (One indication is if the Power logo is lit up as soon as the wiring harness was connected; it should light up only when the ignition is switched on). **Please follow the steps below carefully until you have found the cause of the warning lamp and fixed it:** • Uninstall the TuneX wiring harness to the point that you can reconnect all the factory connections in your car. Lock the car and wait 30 minutes before starting the engine. If the warning light still stays on, stopping and restarting the engine several times or waiting for even longer can sometimes help. • If the warning lights have gone out, you can re-install the TuneX connections. Make sure the ignition is off and wait at least 15 minutes before disconnecting the sensors. When the harness installation is complete, double check all the connections to ensure the connectors are joined correctly and tightly. Please connect the Deactivation plug to the wiring harness and start the engine. • If the warning lights do not come on, switch off the engine again and wait for 5 minutes. You can now replace the Deactivation plug with the TuneX device and start the engine again. • If the warning lights come on again, please contact your place of purchase.