

I-BOOST 2

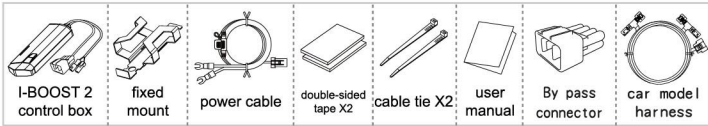
INTELLIGENT-BOOST TUNING BOX

INSTRUCTION MANUAL

ver.0.0.1

CONTENTS

The following pictures may be different from reality, they are just only for the reference.



- Please attach the user's manual to the product when transferring to others.

PRODUCT DESCRIPTION

The I-BOOST 2 Piggyback Tuning Box is brand new developed for the new generation turbo engines. The ECU computing speed is upgraded further. It adopts a miniaturized host and a dedicated harness set, which is plug-and-play and quick to install. The power output is comprehensively improved.

I-BOOST 2 appeals for a safe power boost. It features in optimizing the signal of the original ECU and operating under the protective system. Also, Shadow's engineering team tested it on real vehicle and tuned on dynamometer. It provides four stages of Race/Sport/Street/Normal Power mode for selection.

There is no need to change neither software nor hardware to use I-BOOST 2. And will not rewrite the ECU, therefore you don't need to bear the risk of power upgrades and there is no flash ECU record. If necessary, it can be removed at any time and restored to the original state without affecting the factory warranty. Enjoy worry-free power upgrades.

INSTALLATION PRECAUTIONS

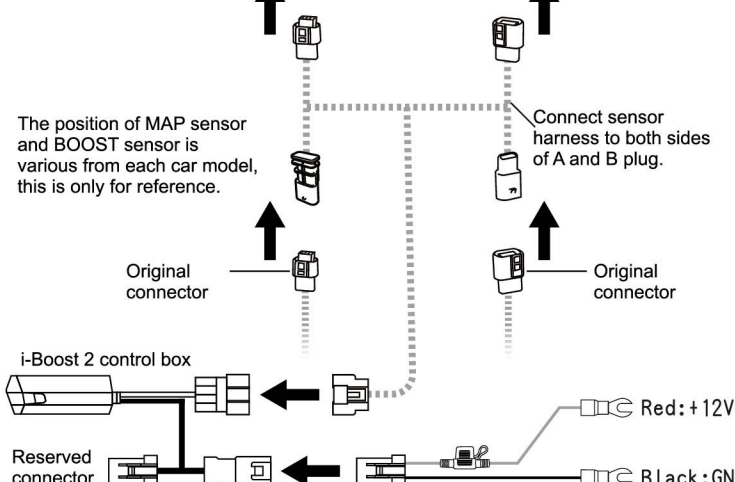
- It is strictly forbidden to disassemble and assemble when the engine is started.
- Make sure ECU power is off then disassemble the connector, harness to avoid the related components being malfunctioned.
- Please don't install this product in humidity or high temperature environment. It gets failure easily under these conditions.
- Please do not scratch the jacket of electric cord. Otherwise it may occur short circuit.
- Please fix the body and wiring properly to avoid any damage caused by shaking or interference.
- Any question about installation or wiring, please find the shop with professional knowledge to install this device.
- Any loss of personal or property due to incorrect usage is out of our liability of responsibility or compensation.

INSTALLATION INSTRUCTION

1. Please turn off engine first and ensure that the vehicle has been turned off and powered off. (turn off the engine for more than 10 mins)
2. Connect the host power cord to the positive and negative poles in the engine room.
3. Connect the plugs of A (Boost sensor) and B (MAP Sensor) then also connect to the I-BOOST 2 host.
4. After installation is complete, it is recommended to use a diagnostic computer scan to confirm that the engine has no fault codes.



The position of MAP sensor and BOOST sensor is various from each car model, this is only for reference.



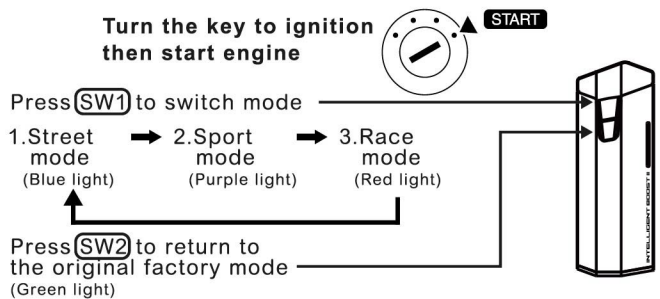
FEATURES

- With Plug-and-Play connector, easy to install and maintain factory warranty.
- The host is miniaturized and easy to install and fix, and the aluminum alloy shell is strong and resistant to high temperature.
- Dedicated cable set for each car, waterproof and dustproof plug.
- Using commercially available fuel also developed it on real vehicle and tuned on dynamometer.
- Build-in CPU monitors and protects your engine at all times.
- Different loads optimize signal feedback, which combines performance and energy saving.
- Power performance is better. Output curve line is plateaued and smoothed.
- Automatically adjust CPU program by detecting car condition and user's behavior.
- Four driving modes for selection, it is easy and free to enjoy car tuning.

IMPORTANT

- I-BOOST 2 cannot be used anymore if you installed other brands of piggyback or ECU that has been changed by programming or ECU reflash etc.
- I-BOOST 2 is quite accurate and effective in power optimization, so it is not recommended to use it with other power tuning products.
- Please plan the car modification properly and do not exceed the limit of the engine body to ensure the life of the vehicle and driving safety.
- Device failure caused by incorrect installation methods will not be eligible for warranty services.

OPERATION INSTRUCTION



Troubleshooting

When you think the machine is faulty, please confirm the following items before sending it for repair:

Problems	Why	Confirm items
No action on the display, after engine started	Sensor harness or power cable installation incomplete.	Confirm vehicle power transmission, power cord and sensor connector status.
Display is still on while engine off	I-BOOST 2 works by following original ECU.	Please be assured it is normal. I-BOOST 2 power will be off instantly after original ECU shut down
Boost pressure value on I-BOOST 2 is different from boost gauge's	Since the original sensor signal is optimized by I-BOOST 2, the converted value may have errors on some vehicles.	Please be assured it is normal.
Engine check lighted after installation	Disassemble the connector while ignition is not off completely.	Please refer to the "Clear engine check light solution" to eliminate the check light.

If the product needs repairing or claiming warranty, please collect the product body and all accessories and bring them back to the place where you originally bought it.

Clear engine check light solution

If the engine check light is turned on because of incorrect installation and operation, please try below instructions to fix it:

1. Please use the OBDII scanner (reader) to diagnosis. (ex.D-Meter 2).
2. Go to a professional car maintenance factory to use a diagnosis computer to clear.

Restore fully original settings:

If there is vehicle maintenance or other needs, the I-BOOST 2 accessory includes a restore plug (ByPass), which can be restored to the original factory without removing the cord set.

1. Unplug the I-BOOST 2.
2. Plug the ByPass plug into the harness.

If the product needs repairing or claiming warranty, please collect the product body and all accessories and bring them back to the place you originally bought it.



I-BOOST 2 Instruction Manual
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