

# Installation Instructions

Abarth 500/595 1.4 T-Jet Engines

**Bluespark**  
AUTOMOTIVE



This product has been designed and manufactured to work correctly with installation as described in these instructions.

Failure to follow these instructions could result in damage to property, damage to the product and or potential injury.

It is very important that you read and understand these instructions thoroughly before installing this product.

## Included Contents:

- Tuning Module
- Wiring Loom
- Fastening Ties
- Installation and User instructions
- Protective Bag For Module – (prevents damage to unit casing)



## Before installation:

1. Open the vehicle's bonnet
2. Remove the ignition key
3. Close and lock the doors
4. Wait 5 minutes before removing any electrical plugs



Do not open the vehicle doors or unlock the vehicle while installation is in progress.

## Installation Location:

The module should be installed between the vehicle's MAP and Boost sensors as shown in the diagram.

## Locating the Unit:

The unit itself should be mounted away from:



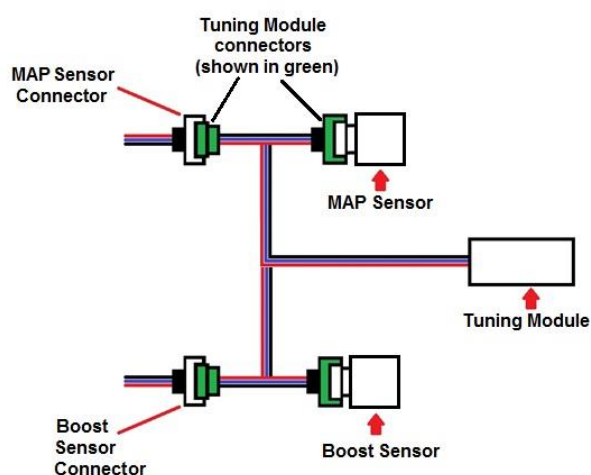
Sources of Extreme Heat



Sources of Vibration



Sources of Spray Water



B4-B3-Pet07/16-705

# Installation Instructions

Abarth 500/595 1.4 T-Jet Engines

**Bluespark**  
AUTOMOTIVE

## Introduction



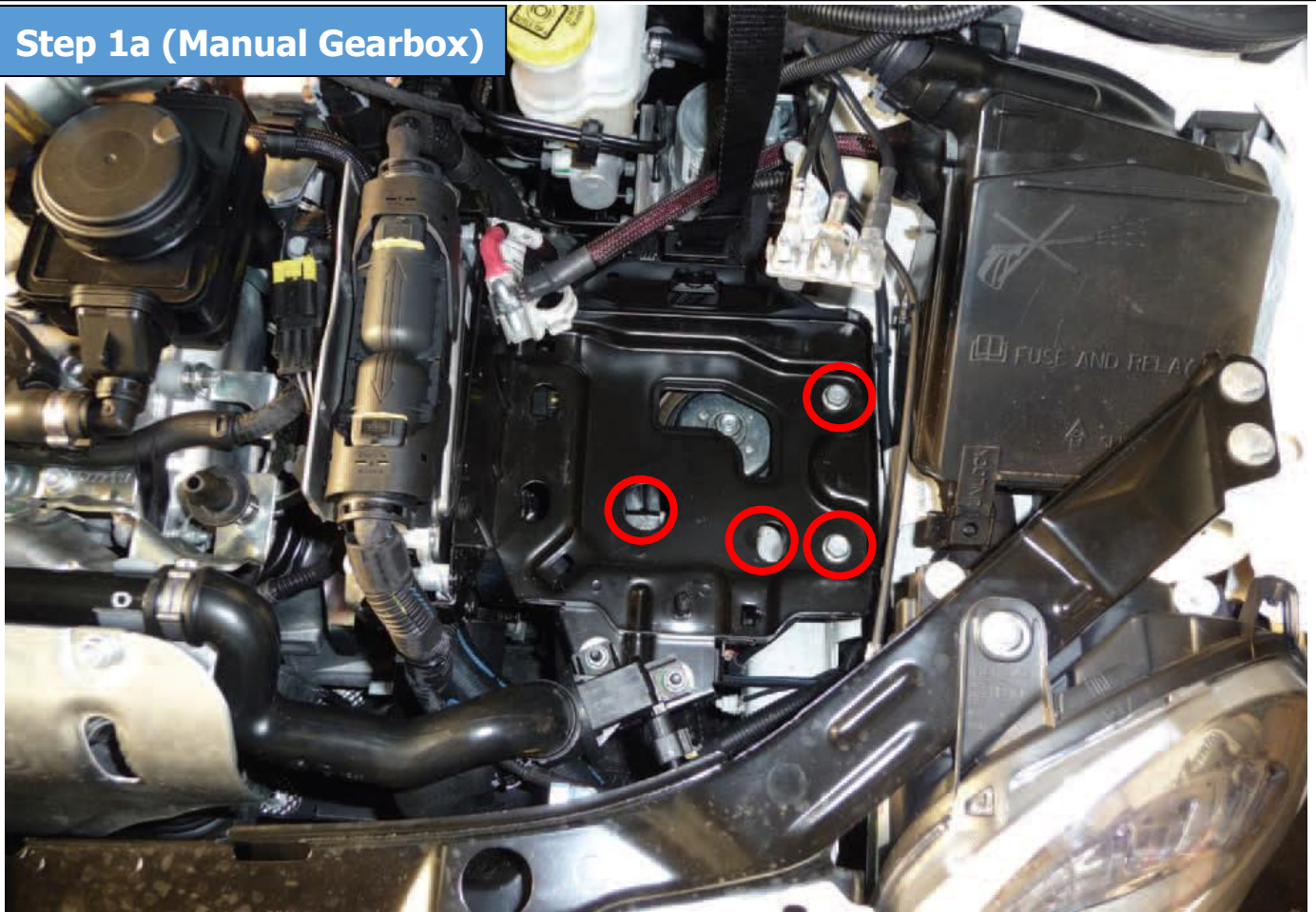
- Ensure that your engine looks similar to the supplied photographs. (minor changes with ancillary components are to be expected, however if the engine looks nothing alike, please contact Bluespark Support. )
- Familiarise yourself with the locations of the connectors highlighted.
- Make sure that you have a good grasp of the operation of the connector clips and or locking tabs. - If the connectors you are trying to access are in an awkward place, it may be useful to try unplugging (and then re-inserting) a connector on the vehicle which is more easily accessible. Alternatively try plugging together the connectors on the Tuning Module itself.
- For vehicles with the MTA gearbox (Semi-Automatic) please use step 1b as you DO NOT need to remove the battery and tray.

# Installation Instructions

Abarth 500/595 1.4 T-Jet Engines

**Bluespark**  
AUTOMOTIVE

## Step 1a (Manual Gearbox)



- Remove the vehicle's battery. (Do not remove if you have an MTA gearbox please proceed to step 1b on the next page)
- Remove the battery tray bolts (circled in red)
- Unbolt the solenoid at the front of the battery tray, being careful not to drop the threaded retainer.
- Unclip all wiring that is attached to the battery tray.
- Withdraw the battery tray from the engine bay.

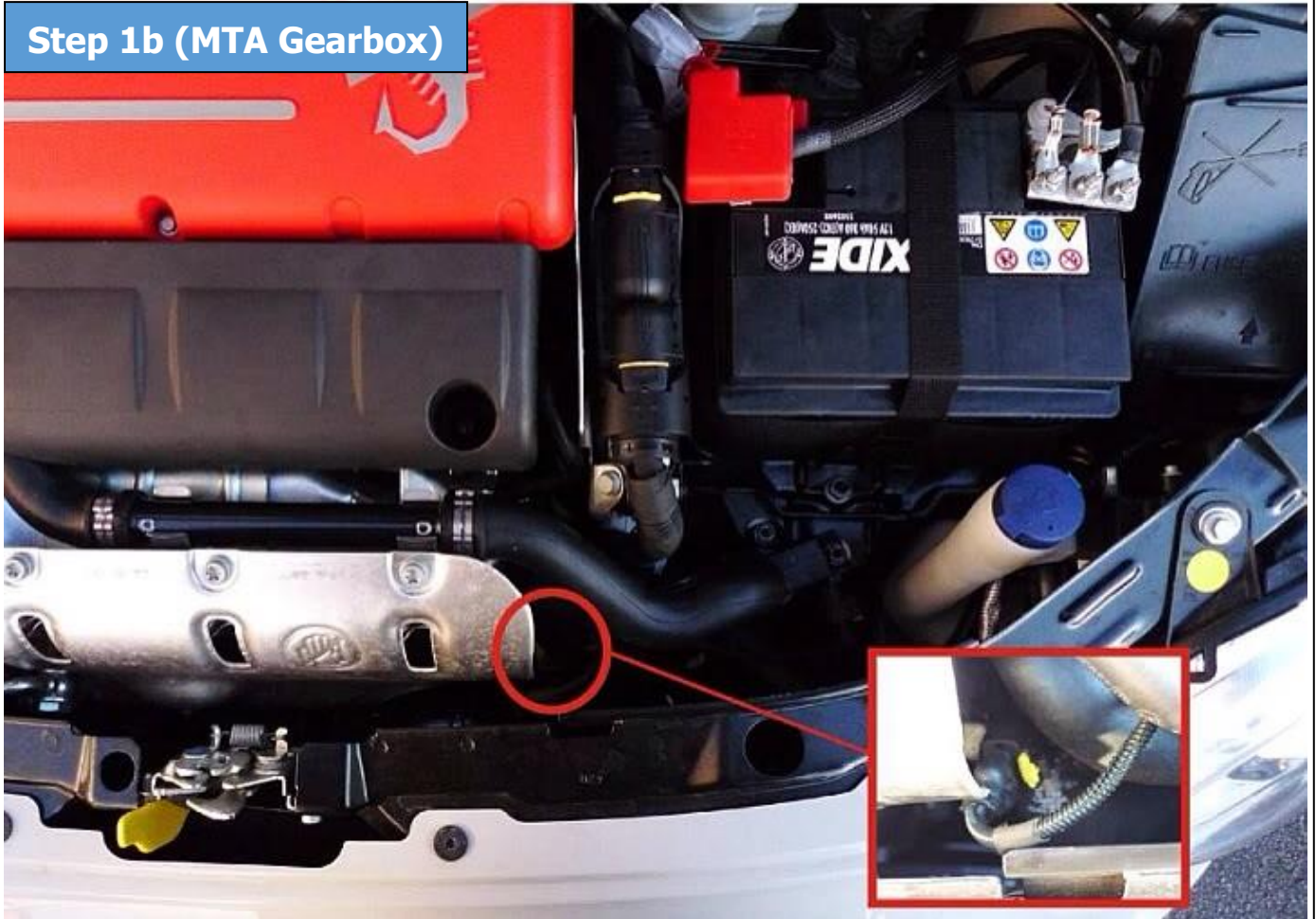


# Installation Instructions

Abarth 500/595 1.4 T-Jet Engines

**Bluespark**  
AUTOMOTIVE

## Step 1b (MTA Gearbox)



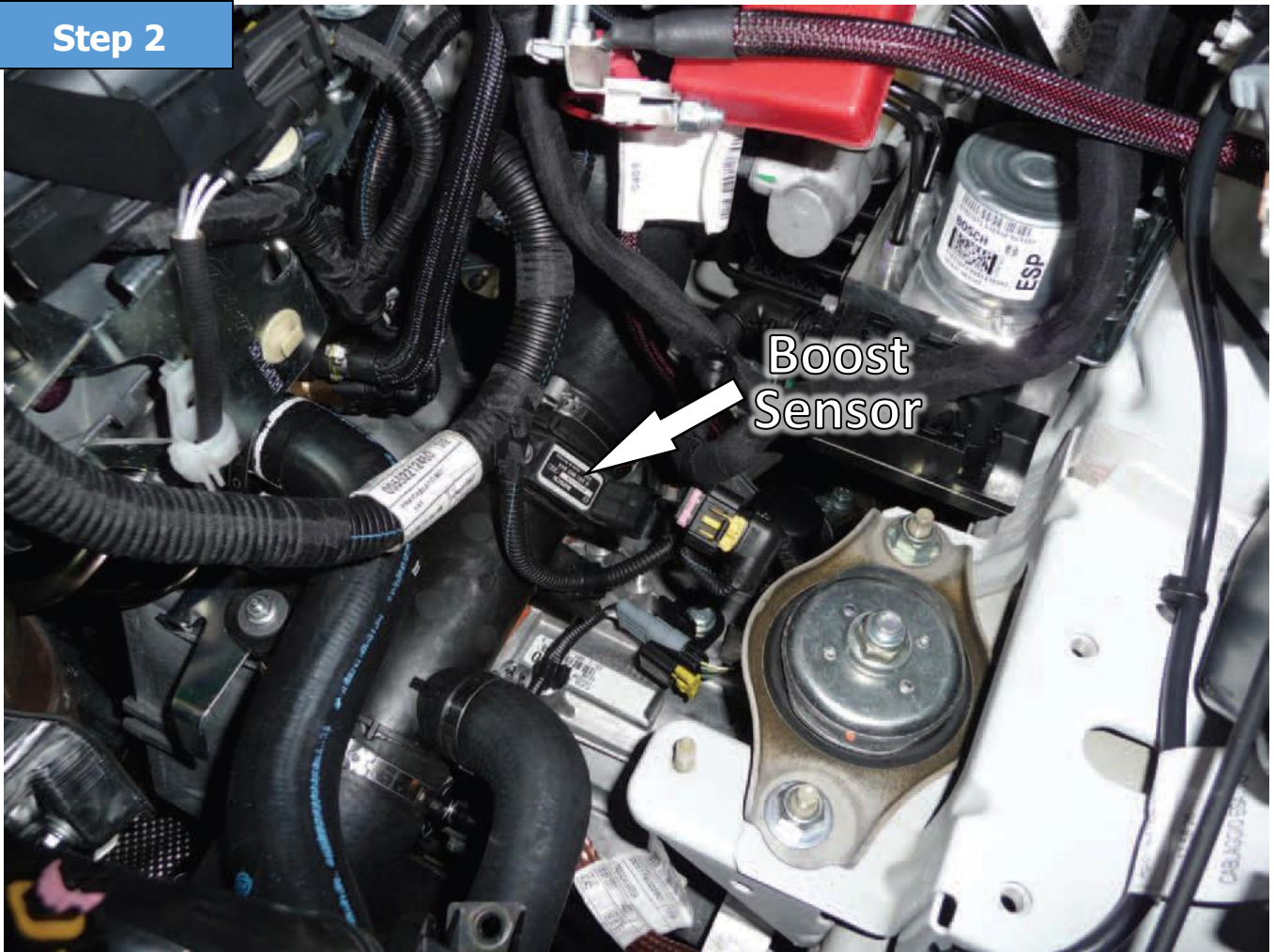
- Unplug the Boost Sensor connector (3 pin) by first pulling back the yellow locking clip, then pressing down the releasing clip and pulling back on the connector.
- Insert the connector from the Tuning Module's wiring loom into the Boost Sensor.
- Insert the Vehicle's Boost Sensor connector into the corresponding connector on the Tuning Module's wiring loom.
- Secure the Boost wiring loom.

# Installation Instructions

Abarth 500/595 1.4 T-Jet Engines

**Bluespark**  
AUTOMOTIVE

## Step 2



- Unplug the Boost Sensor connector (3 pin) by first pulling back the yellow locking clip, then pressing down the releasing clip and pulling back on the connector.
- Insert the connector from the Tuning Module's wiring loom into the Boost Sensor.
- Insert the Vehicle's Boost Sensor connector into the corresponding connector on the Tuning Module's wiring loom.
- Secure the Boost wiring loom and re-install the battery tray.

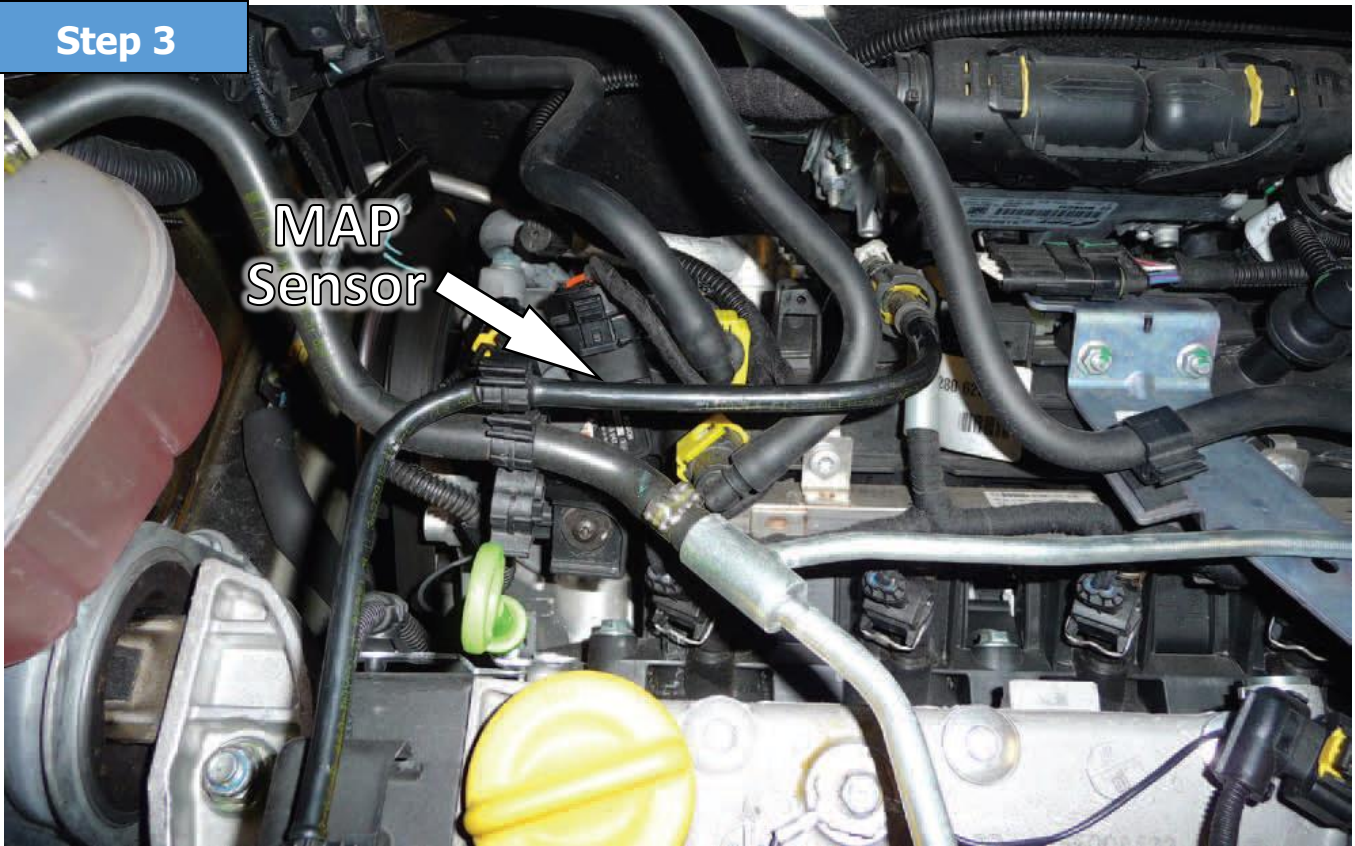


# Installation Instructions

Abarth 500/595 1.4 T-Jet Engines

**Bluespark**  
AUTOMOTIVE

## Step 3



- Unplug the MAP Sensor connector (4 pin) by first pulling back the yellow locking clip, then pressing down the releasing clip and pulling back on the connector.
- Insert the connector from the Tuning Module's wiring loom into the MAP Sensor.
- Insert the Vehicle's MAP Sensor connector into the corresponding connector on the Tuning Module's wiring loom.

### IMPORTANT

You will notice the loom has the by pass plug installed as standard, please test the vehicle with it installed before attaching the tuning box to the loom. Before attaching the tuning box to the loom please follow the before installation section of page one on these instructions



# Installation Instructions

## Abarth 500/595 1.4 T-Jet Engines



- With the unit successfully installed please secure the unit and wiring loom within the engine bay, paying attention to the guidelines highlighted on Page 1.



**Route the tuning box wiring harness away from sources of heat (exhaust manifolds, EGR pipes, most stainless steel pipes) and also away from any rotating parts such as belts.**

- Double check all connections are correct and firmly connected. If this is the case, start the vehicle and ensure there are no engine warning lights or error messages displayed.

If everything is as it should be, please feel free to take the vehicle out for a test drive and enjoy the added responsiveness and power added to your vehicle by the Tuning Module.