

KTM 1290 GT Installation of the Booster Plug:

The KTM1290 GT is different to the KTM1290 R due to larger tank, different placement of connections and additional tank side panels so it takes longer to install booster plug.

The KTM 1290 GT Booster Plug:



Important pre considerations:

- Reduce the fuel in the tank to a minimum to lighten up the weight of the tank for ease of removal and re-installation. I had 2 bars showing when I did the installation and it felt light enough.
- Work on a cold bike to avoid getting burnt from engine heat from a recently run bike.
- **IMPORTANT:** If you are working on the side stand only – put it in gear as a precautionary measure as well - as when you pull off the front spoiler panels the bike may move forward and roll of the side stand! And no it did not happen – but it so easily can!
- It is a good idea if you have the room, to stand bike on a sheet where you can easily see if you drop something (like a rubber tank insert). If you work on gravel outside then it can be really challenging to try and find any small part that may drop.

Tools: Only 3 tools required.

For the panel torx fasteners, which are all the same size and length - tools T30 Torx. You can use the KTM tool kit, if you don't have any torx tools.

For the 4 tank socket caps use a 6 mm drive.

Pliers are required for the fuel pipe connections linking one side of tank to other.

Other things you can do during installation:

Check the level of coolant in the top up bottle level and top up as required with Motorex Coolant type M3 – the pink one.

The installation can be broken down into 4 parts:

- A. Removal of seats and the panels around the tank
- B. Removal of main fuel line, tank fuel line and electrical connectors
- C. Removal of tank
- D. Installation of the Booster plug and positioning of the sensor

Re assembly is the reverse of these steps!

A. Removal of seats and the panels around the tank

- Remove the rear, then the front seat which should be straightforward and detailed in your manual.
- Remove the fastener on the tank Spoiler on both sides – by removing fastener marked 1.



Remove fastener 2 on the tank spoiler by the base of the cornering light.



Pull tank spoiler 3 forward and un hook bushing 4 from the inner plastic as shown in picture to release the tank spoiler and then unplug connector 5.



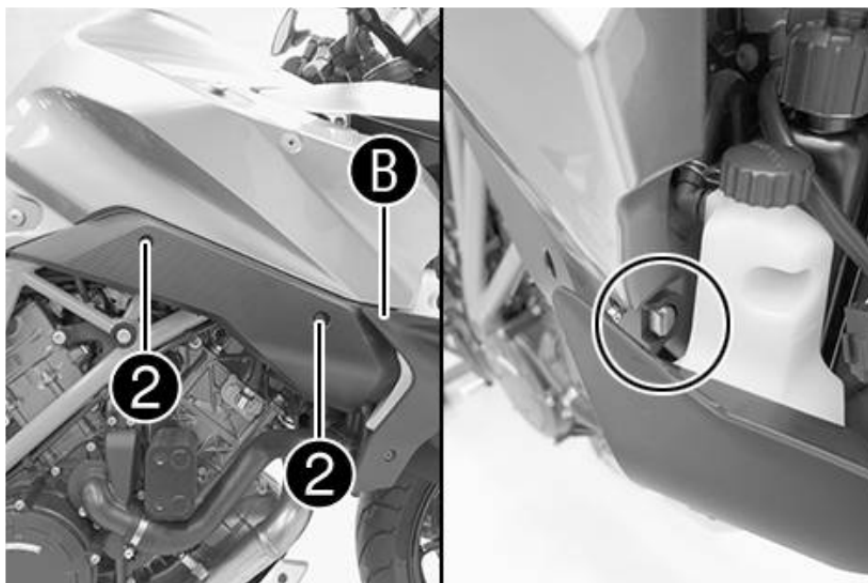
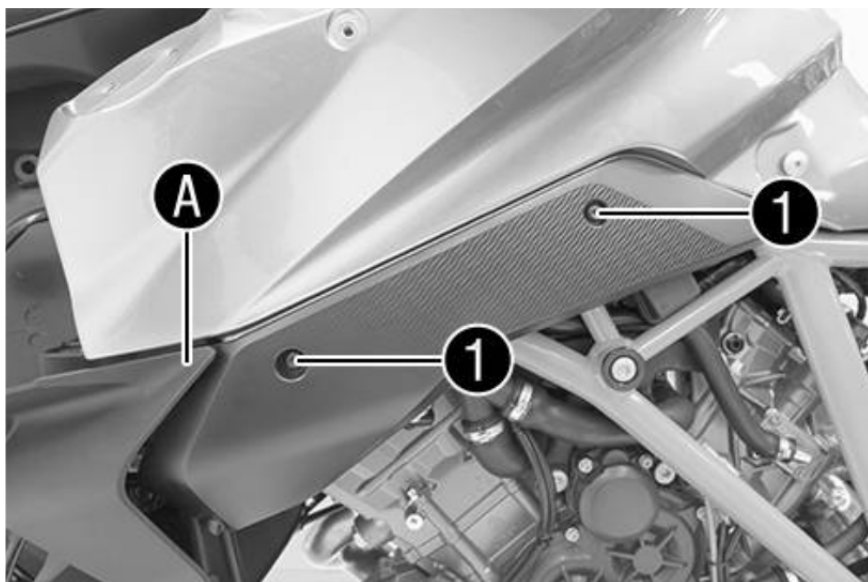
Repeat these steps on the opposite side.

Here is opportunity to check coolant level and top up to maximum mark if required.



Pull off radiator shroud in area A and move laterally.

Remove screws 1 and take off lower fuel tank cover

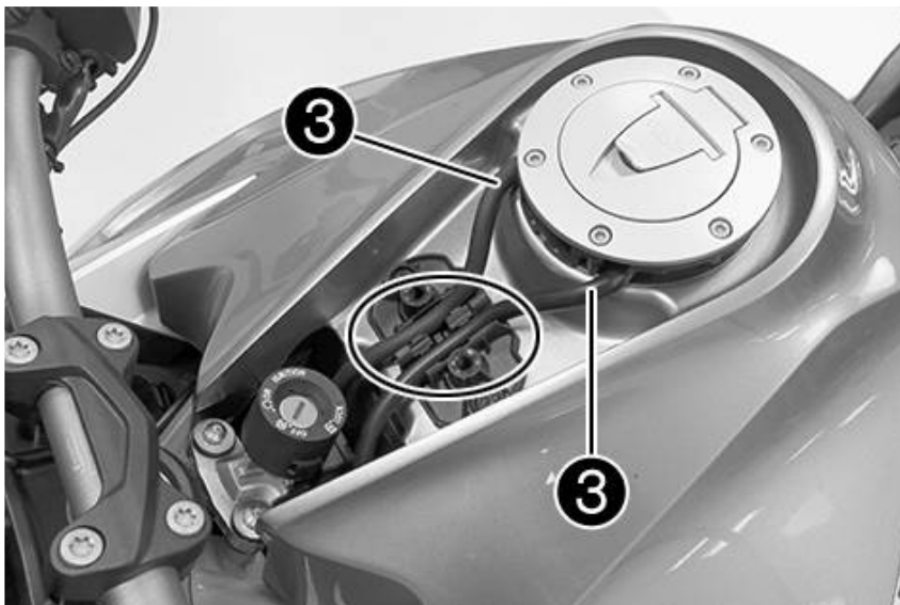


Pull off the radiator shroud laterally in area B.

Remove screws from 2.

Release catch and take off lower fuel tank cover from bottom.

Lift and remove fuel tank cap and ignition cover at front – it pulls out – however it can be very tight so be careful if you use any prising out tools as you can easily damage the tank.



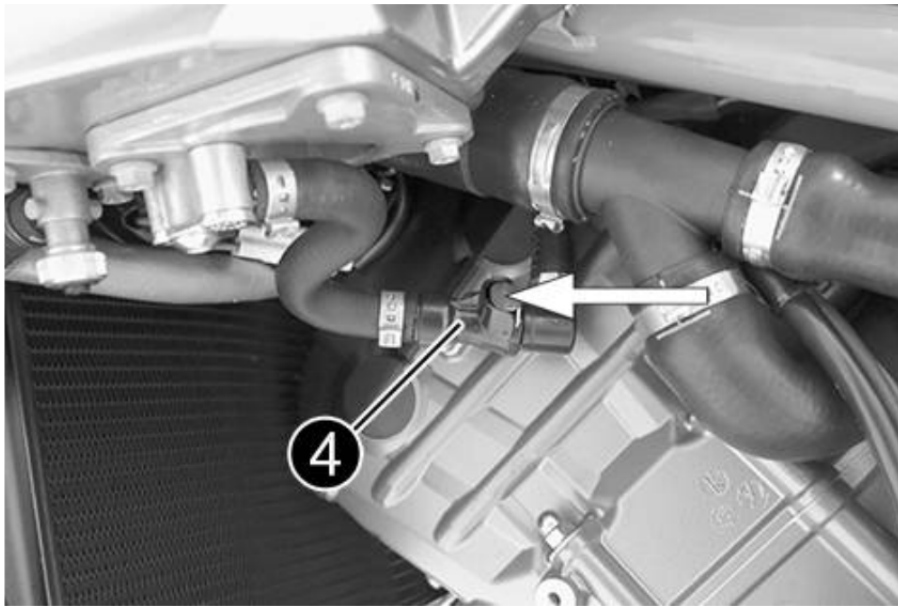
Pull off vent hoses 3 from each side and take off the guide as circled.

B. Removal of main fuel line, tank fuel line and electrical connectors

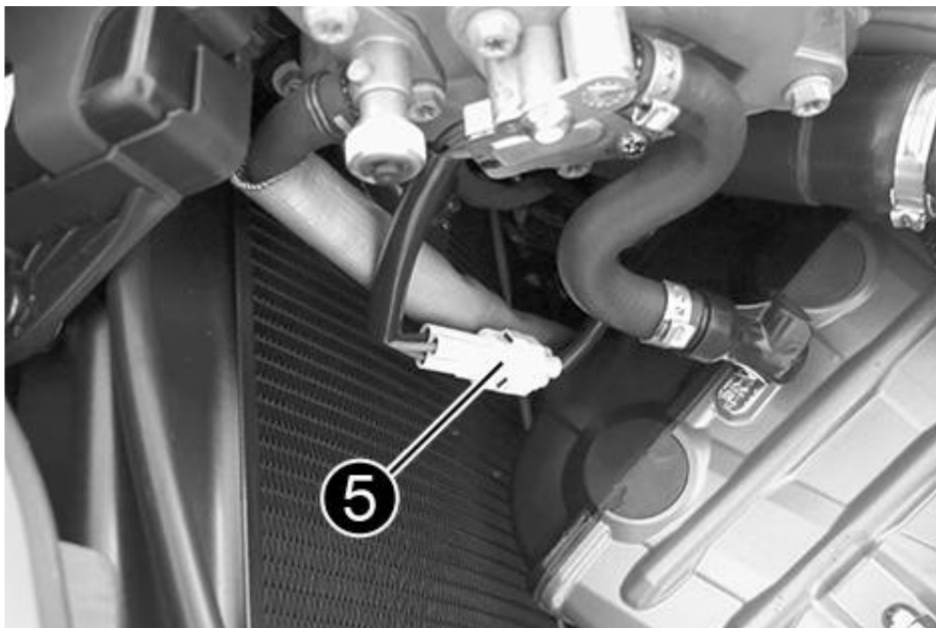
From the Left side of the tank - thoroughly clean the plug in connection of the fuel line with compressed air

Press the metal plate as shown in arrow and disconnect the fuel line plug in connection 4

Note some fuel may flow out.

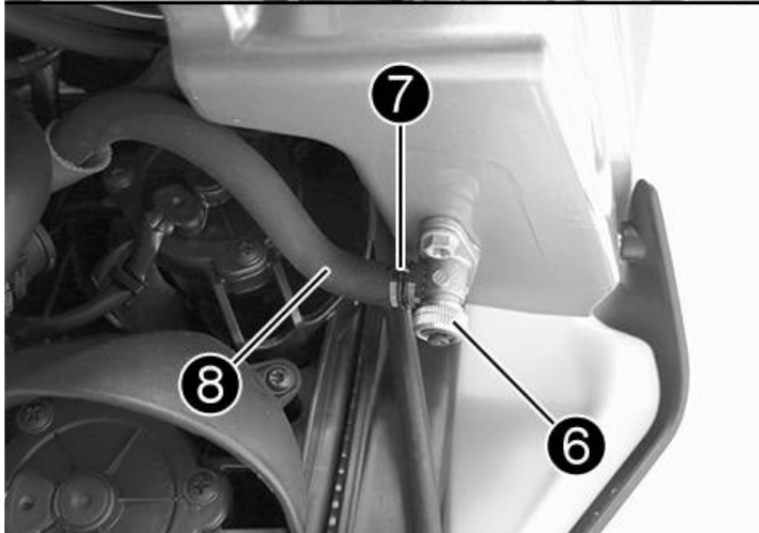
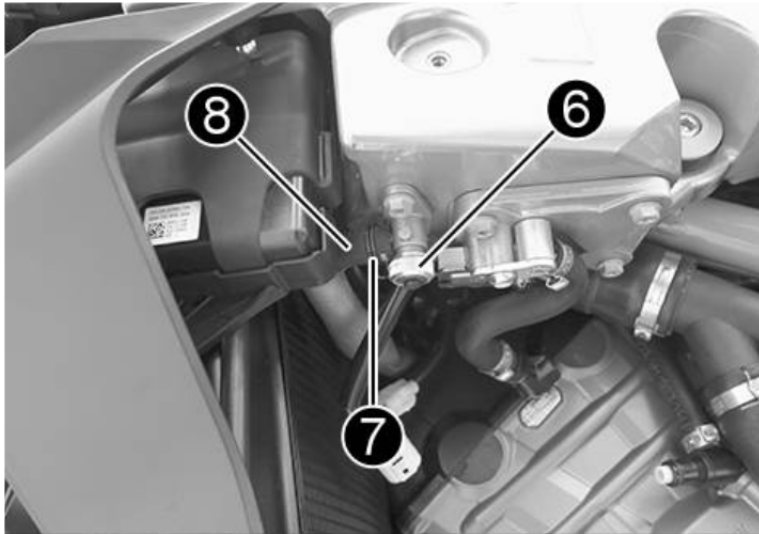


Disconnect plug in connector 5



On the Left and right side of the tank - Close fuel cock 6 by screwing up –

On left side of tank push back hose clip 7 with suitable pliers and remove fuel line 8 – remaining fuel in this pipe will flow out of the fuel line.



On right side of tank – check that you have closed fuel cock 6

Push back hose clip 7 and remove fuel line 8 – remaining fuel may flow out of the fuel line

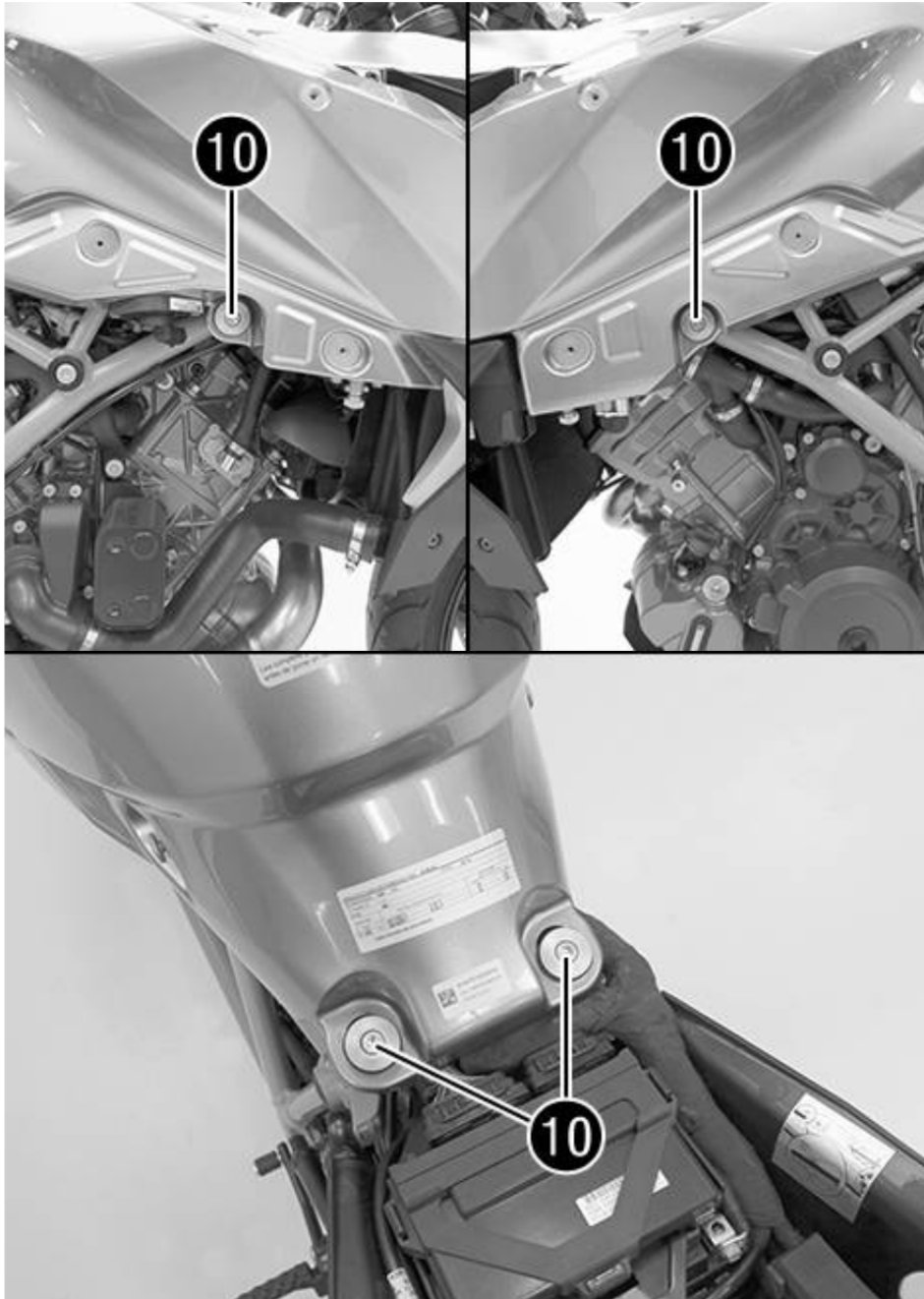
Unplug connector 9 on left side of tank



C. Removal of tank

Make a note of the rear tank screw positions so you can re align back when re installing

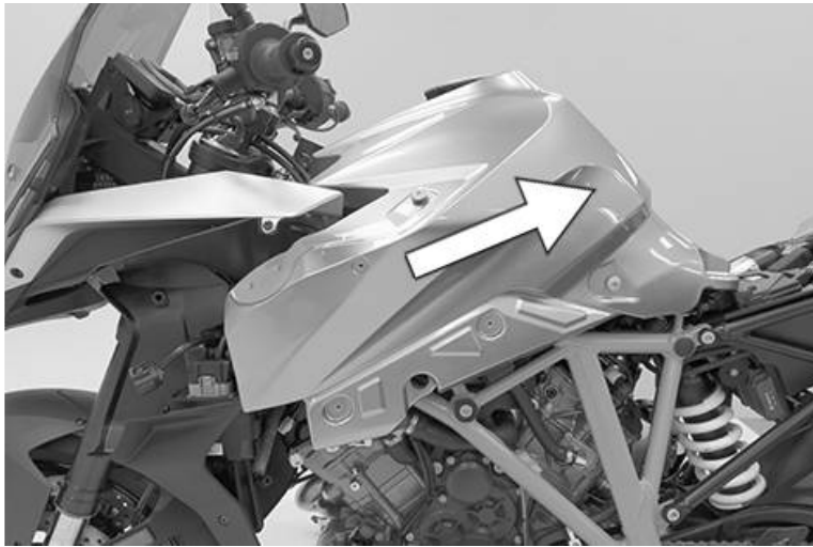
Remove all 4 (10) screws – positions as shown below.



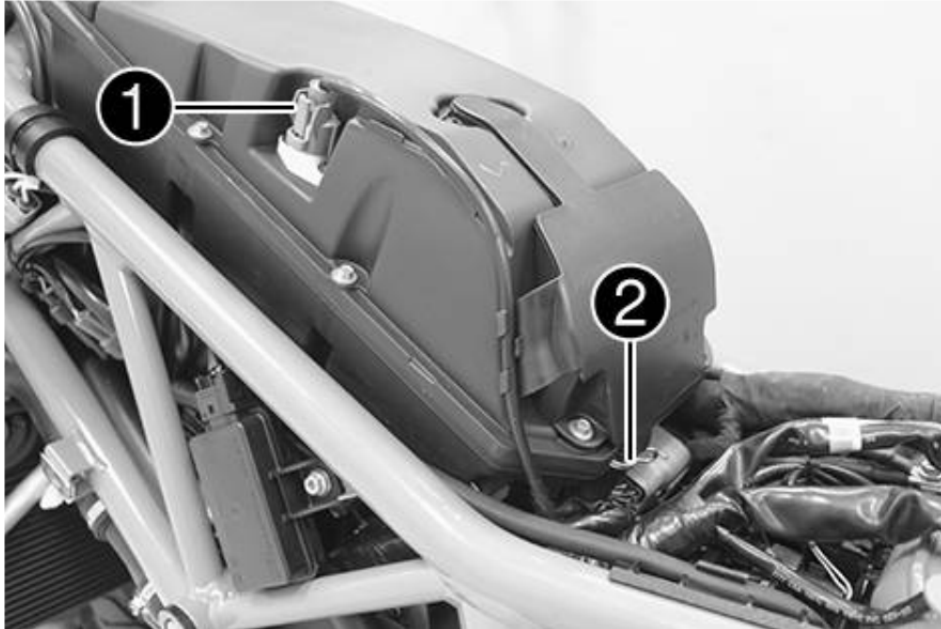
Raise the fuel tank slightly and move it in a backwards direction until it comes out – this may need some careful moving from side to side.

Put the tank down carefully in a safe place.

I found that one of inner tank rubbers (inside underneath tank) had fallen on the floor so check and also that the 2 screw inserts as shown in the picture below had come off and were also on the floor and without these you cannot screw the tank back on from the side – if these have dropped out – re install as shown below.



You will now see the Air box as shown and the AIT sensor – detach connector 1

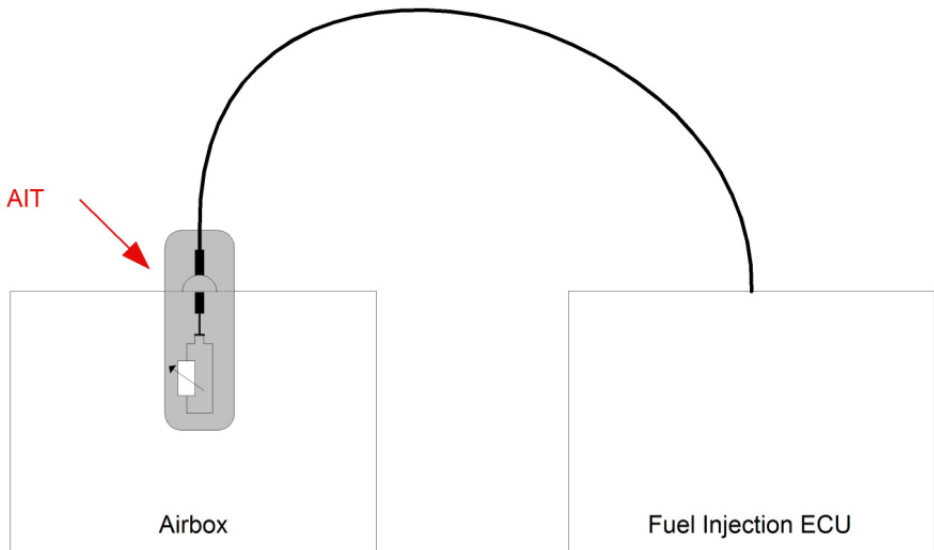


You can then fit the booster plug as shown in picture and the instructions below



Step 1

Unplug connector from AIT sensor in airbox



Step 4

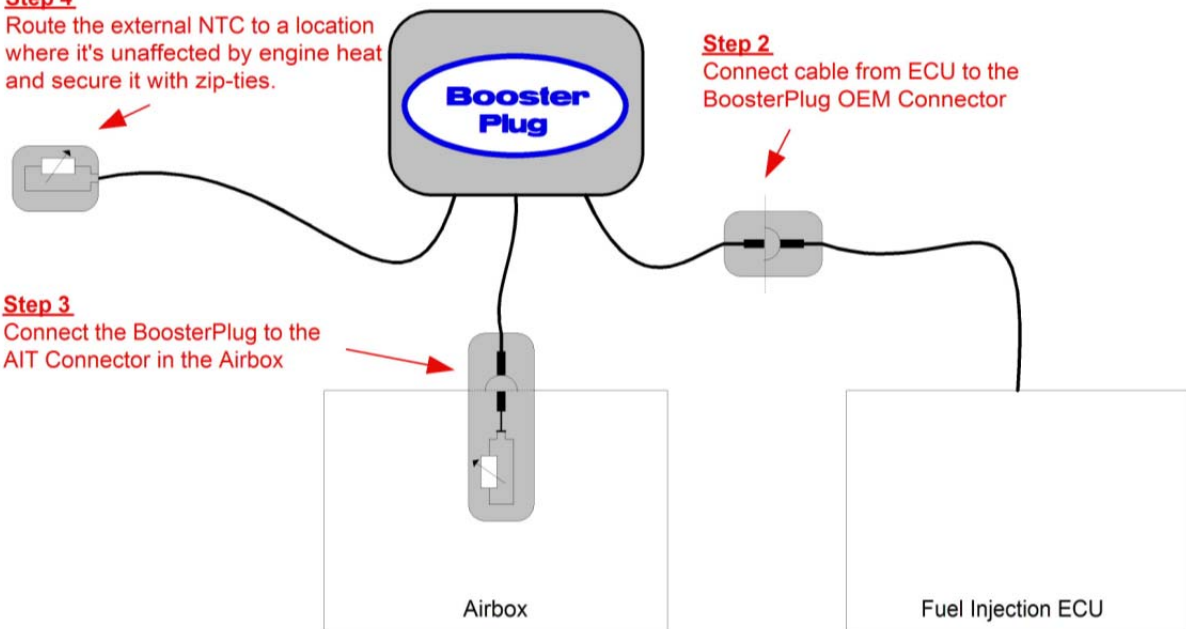
Route the external NTC to a location where it's unaffected by engine heat and secure it with zip-ties.

Step 2

Connect cable from ECU to the BoosterPlug OEM Connector

Step 3

Connect the BoosterPlug to the AIT Connector in the Airbox



One of the connector cables on the BoosterPlug for the Super Duke GT is made longer than seen in the webshop pictures.

□ No worries - This is to let you place the BoosterPlug module behind the air filter box, as there's not much room between the gas tank and the air box.