



FORD FIESTA ST 180 ATMOSPHERIC/RECIRCULATING VALVE INSTALLATION



Tools required:

- 5mm allen key /socket
- Wheel brace
- Suitable car lift or axle stands
- T25 Torx Drive

1. Raise the vehicle on a suitable car lift and remove the drivers side wheel (uk car) , Passenger side for LHD vehicles.
2. Locate the valve on your vehicle. This is found under your engine on the turbo in line with the drivers wheel.



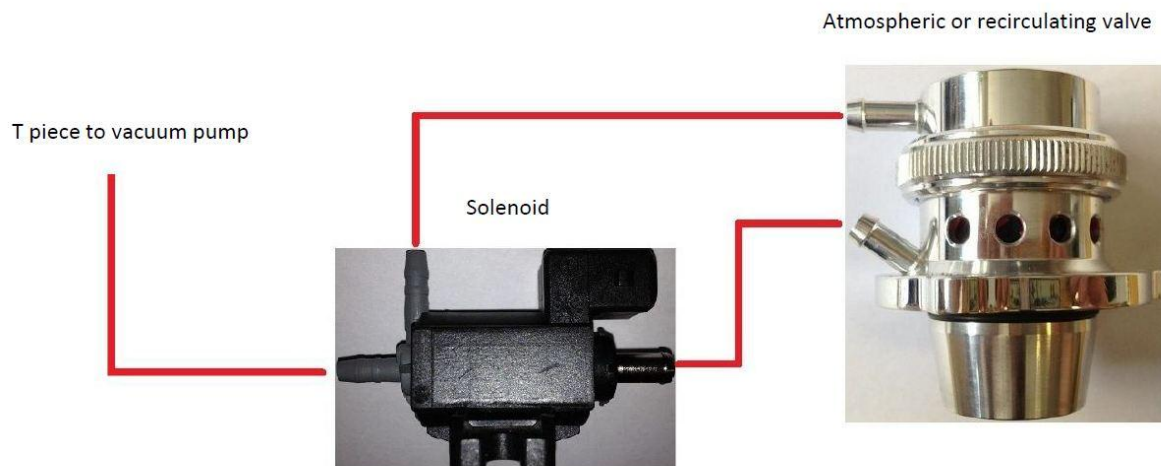
3. Remove the wiring loom from the valve by pushing down on the tab on the rear of the plug .Remove the stock valve from the vehicle by undoing the allen caps with a 5mm Allen key .
4. Locate the two o-rings supplied separately in the box and push them into position on the bottom of the valve .**Failure to do this will prevent the valve from working and trigger an engine management light .**



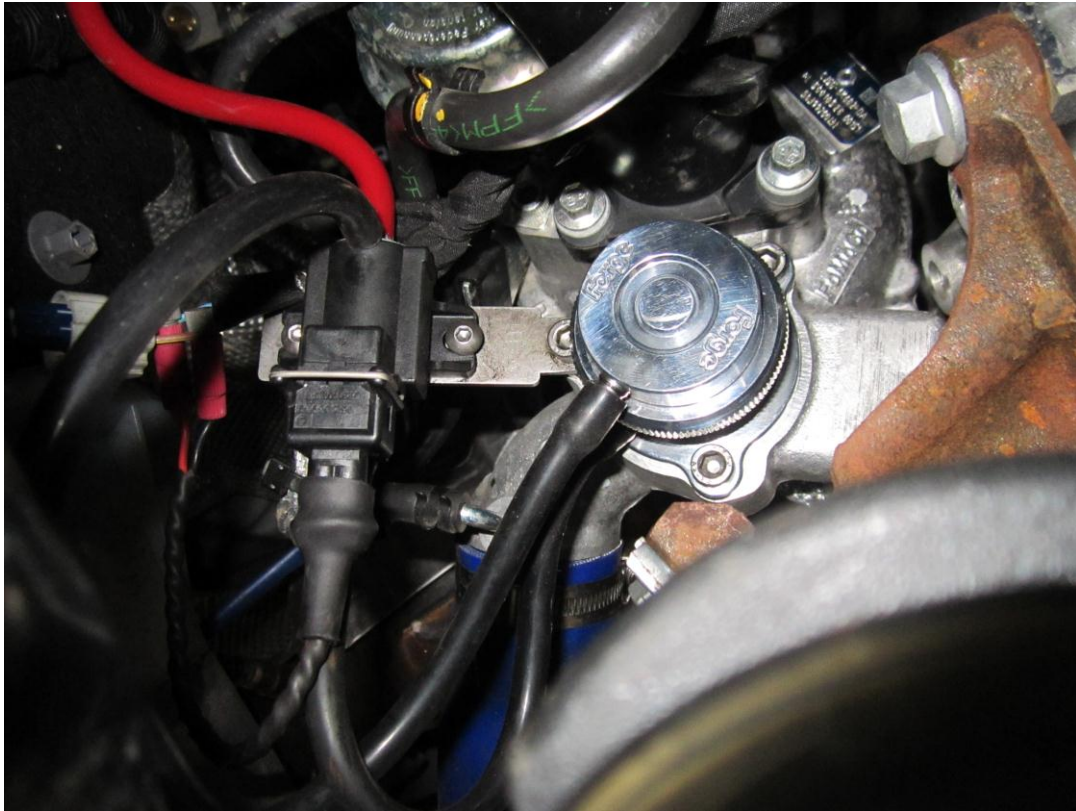
5. It is easier if you assemble the solenoid before you attach the forge valve to the turbo as pictured below.



6. The next diagram is the clearest way to show you how to connect your solenoid to the atmospheric or recirculating valve you are fitting.



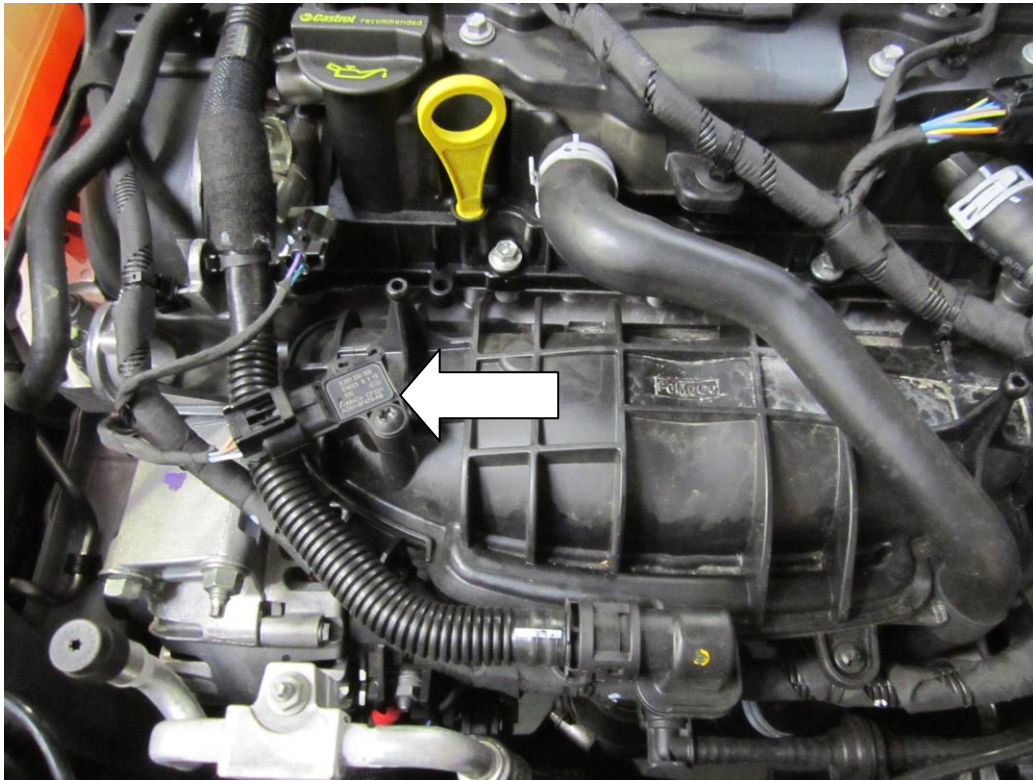
7. Now attach the valve and solenoid to the turbo using a 5mm allen key.



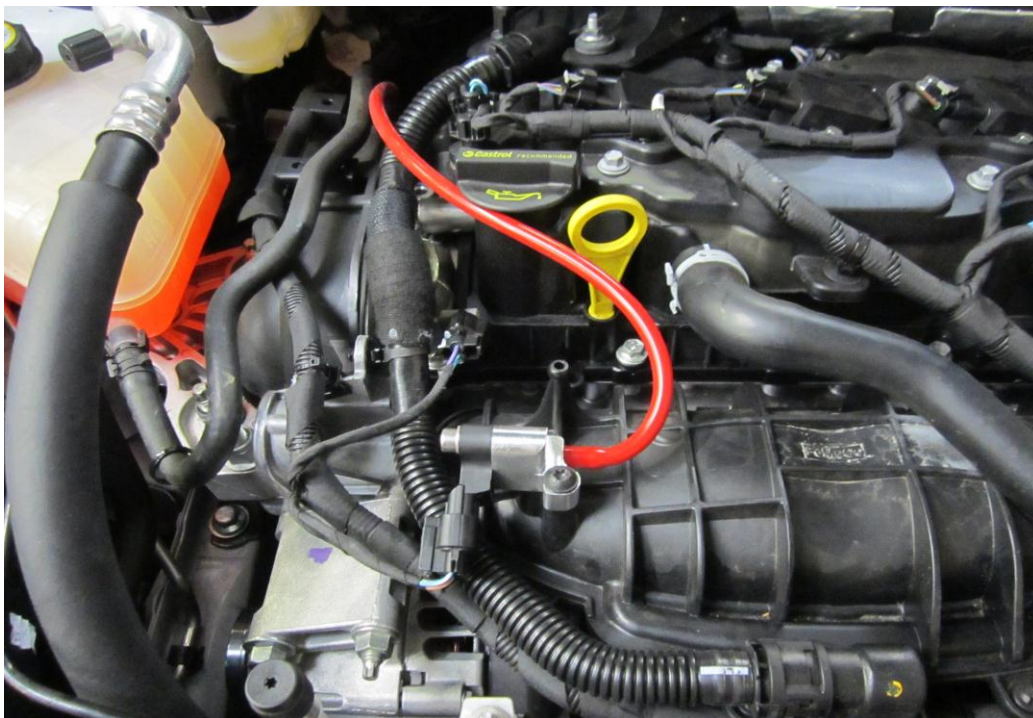
8. Now remove your vehicles engine cover .To do this pull upwards sharply.



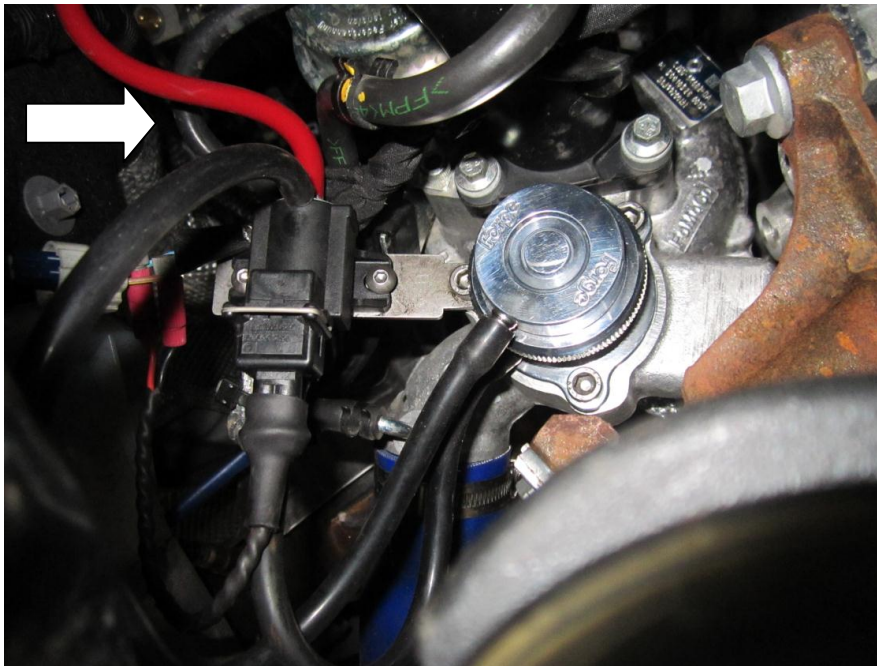
9. Locate the boost sensor and remove it using a T25 torx driver as pictured.



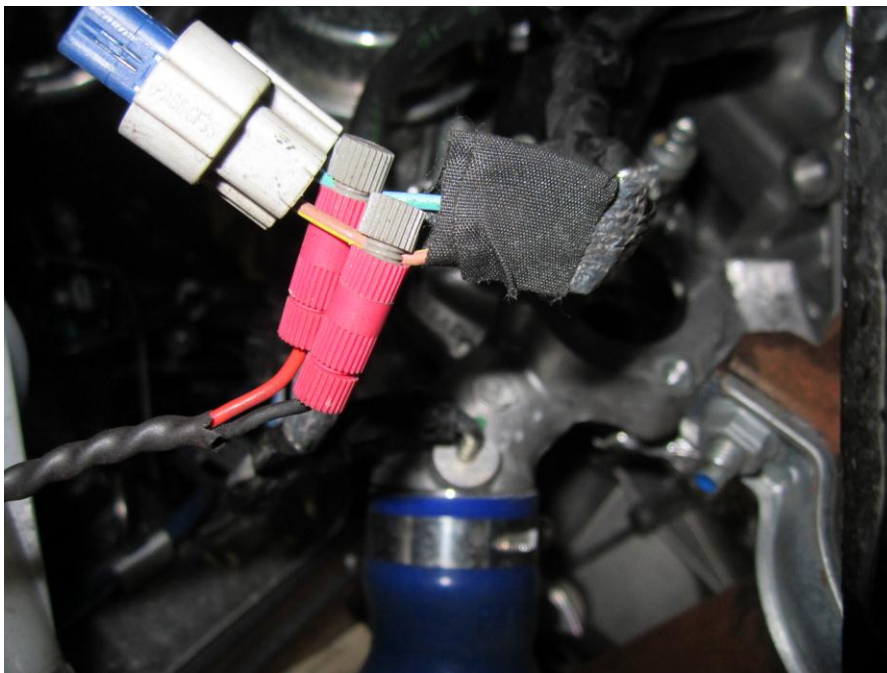
10. Fit the boost take off block supplied using the T25 torx screw. Fit the boost sensor using the supplied cap screw as pictured below.



11. The vacuum line that is red (FOR ILLUSTRATION PURPOSES ONLY) needs to be attached to the solenoid. Run this down the back of the engine using the zip locks provided keeping it away from any hot sources or moving parts as pictured.



12. Using the posi locks provided attach them to the original wiring loom making sure the grey end is attached to the oe loom.

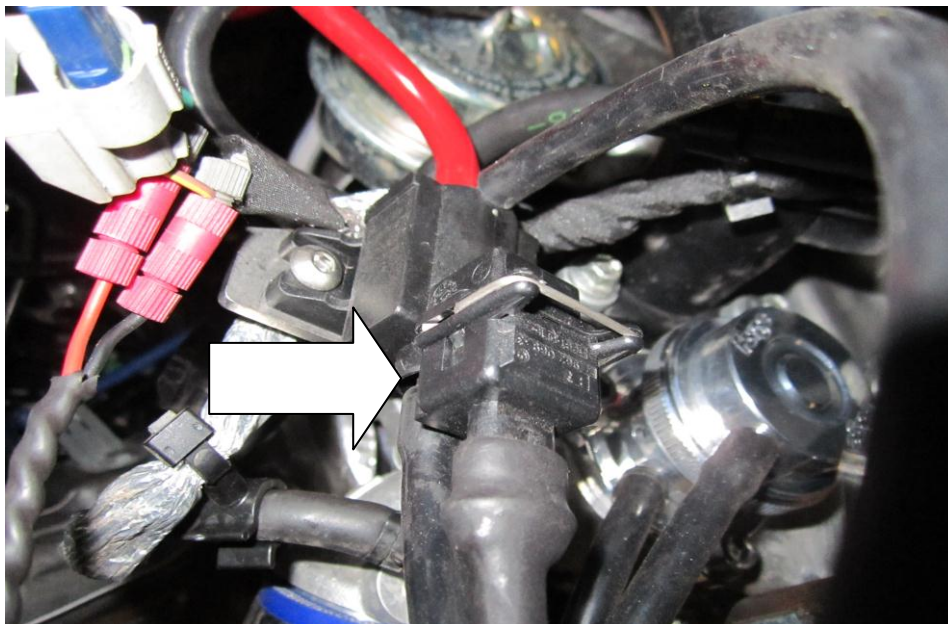


13. Then attach the forge wiring loom to the posi locks

RED to **BLUE**

BROWN to **BLACK**

14. Now attach the forge loom to the solenoid.



15. BEFORE STARTING THE VEHICLE DOUBLE CHECK THE CONFIGURATION ON THE WIRING LOOM AND VACCUM LINES TO THE SOLENOID.

We hope you enjoy your new found performance, please look at our other great performance enhancing products in our huge range of vehicle applications.

Forge
MOTORSPORT

ENGINEERED FOR PERFORMANCE