



## FORD FIESTA ST 180 ATMOSPHERIC/RECIRCULATING VALVE INSTALLATION



Please thoroughly read through and familiarize yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.

### **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 the vehicle. This is found on the turbo under the engine, in line with the drivers wheel.



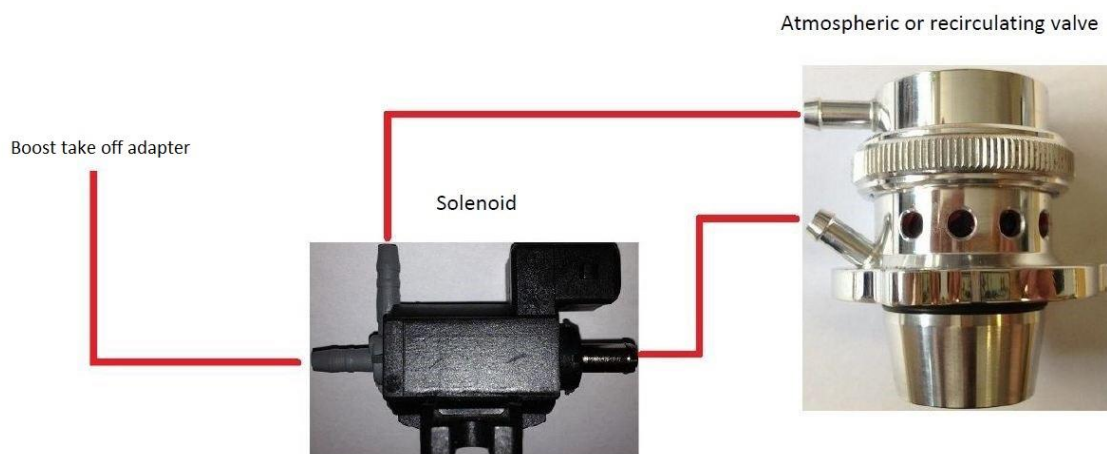
3. Remove the wiring loom from the valve by pushing down on the tab on the rear of the plug .Remove the stock valve from the vehicle by undoing the allen caps with a 5mm Allen key .
4. Fit the two o-rings supplied into the grooves in the bottom of the valve. **Failure to do this will prevent the valve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



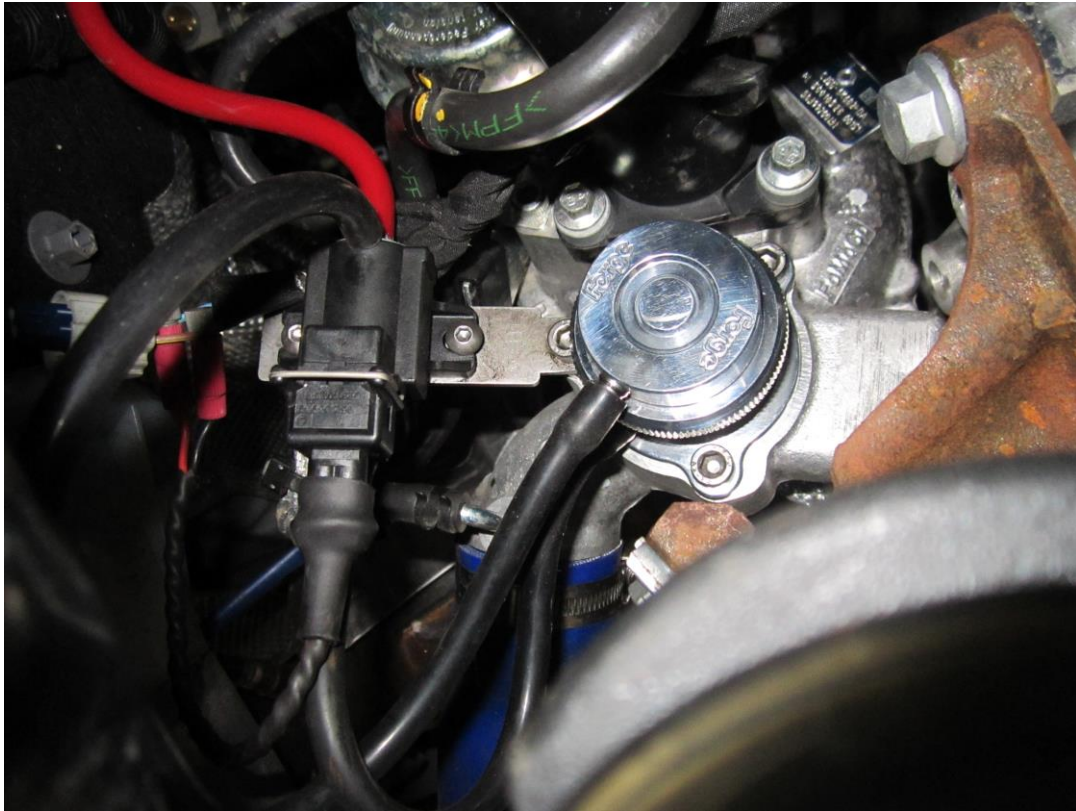
**5. It is easier if you assemble the solenoid before you attach the Forge valve to the turbo as pictured below.**



**6. The next diagram illustrates the hose connections between the solenoid, boost take off adapter and the atmospheric/recirculating valve you are fitting.**



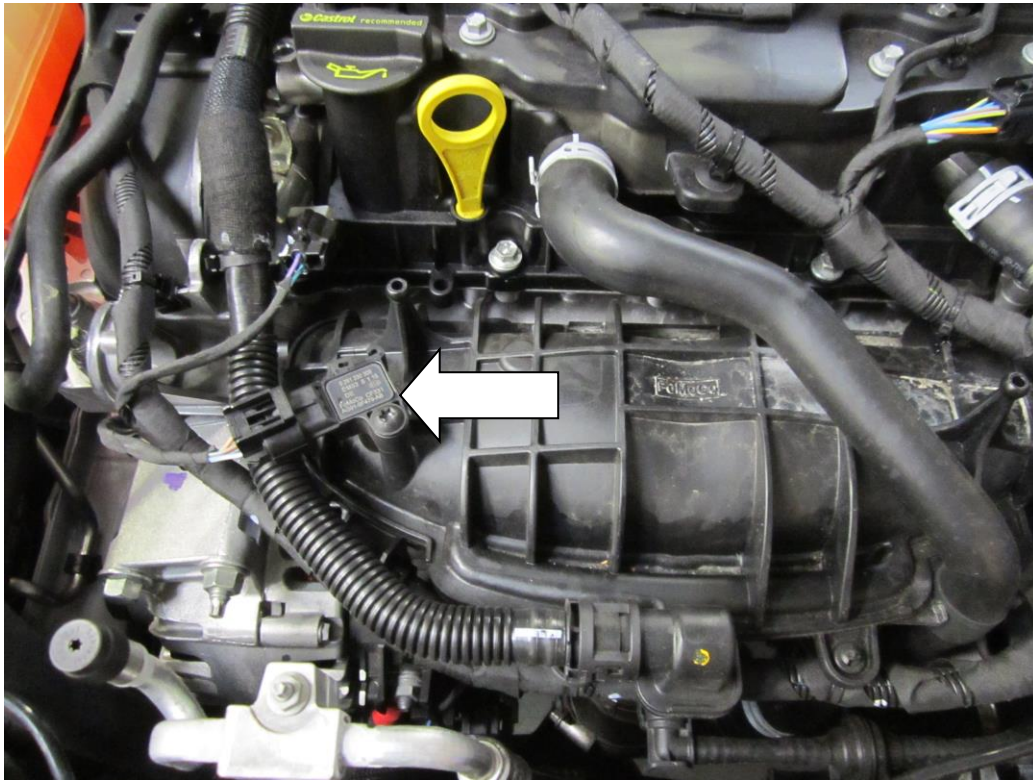
**7. Now attach the valve and solenoid to the turbo using a 5mm allen key.**



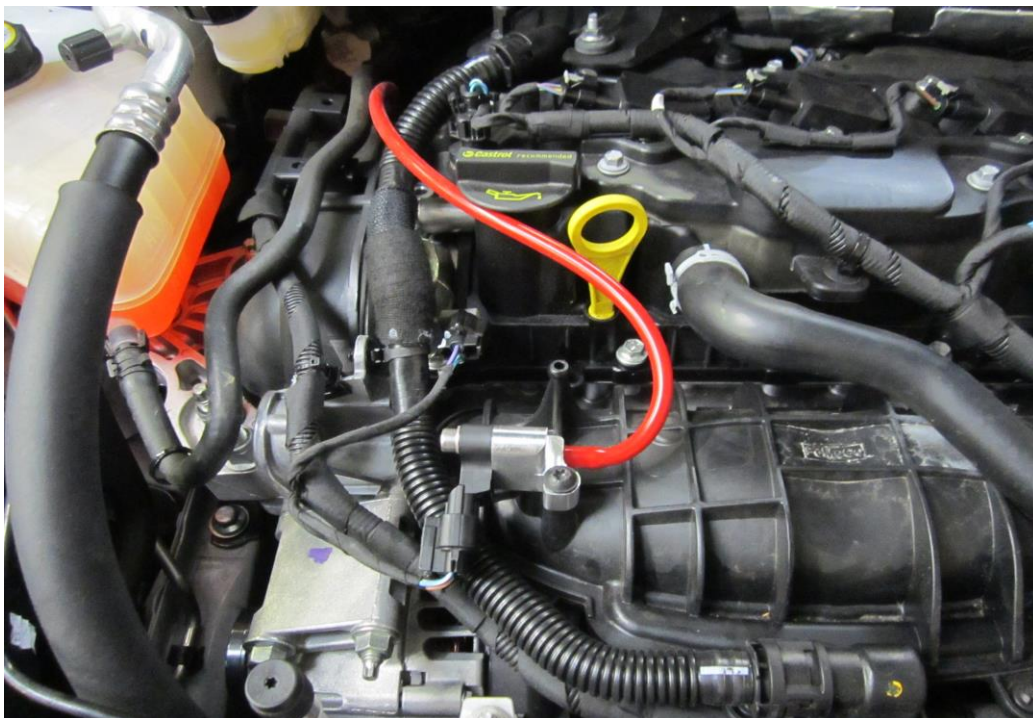
**8. Remove the engine cover .To do this pull upwards sharply.**



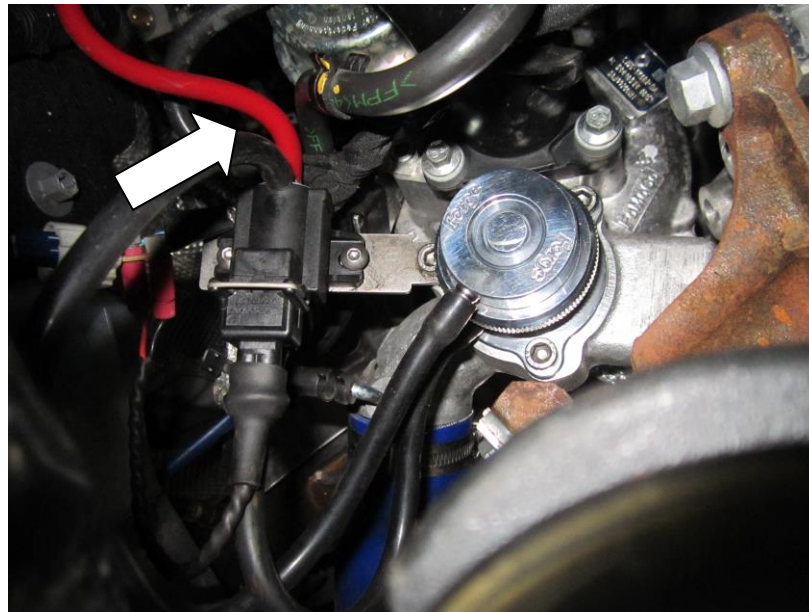
**9. Locate the boost sensor and remove it using a T25 torx driver as pictured.**



**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. Now connect the supplied wiring harness to the Ford connector (removed in Step 3) and the solenoid.



**15. BEFORE STARTING THE VEHICLE DOUBLE CHECK THE CONFIGURATION OF THE HOSE 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.



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