



Ford Focus ST 280 FMDV33 FITTING INSTRUCTIONS



Please thoroughly read through and familiarise 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 NEEDED:

4/7/8/10mm socket with extension

2.5/5mm Allen key/Allen socket

Long nose pliers/ hose clamp removal tool

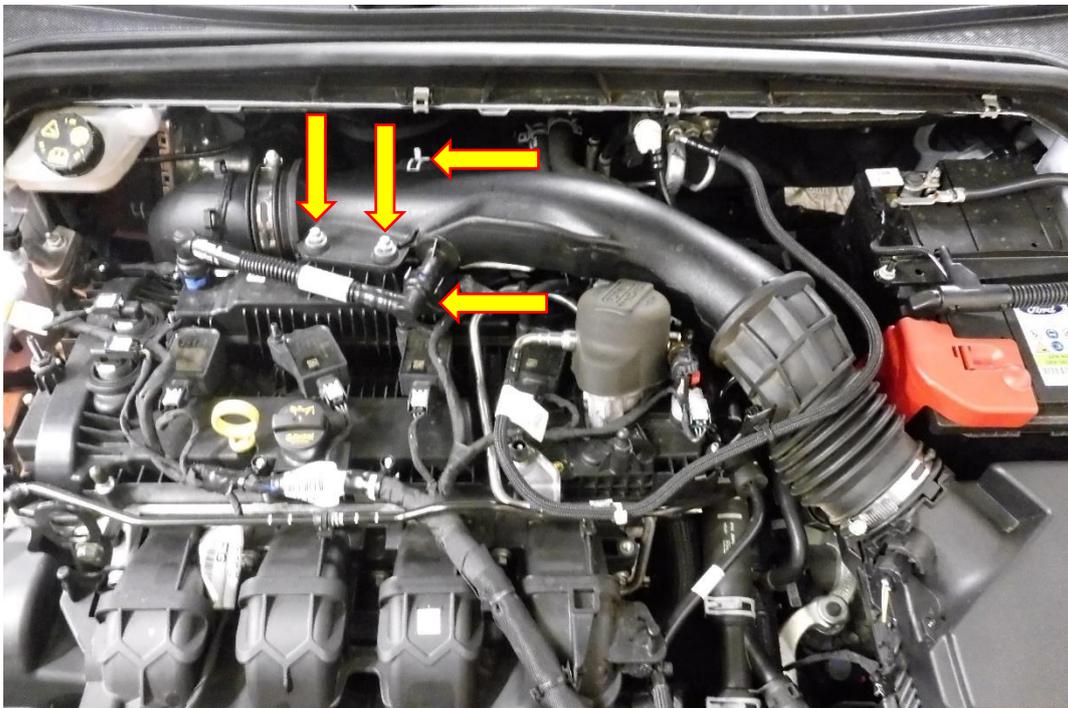
Flat blade screwdriver

Side cutters & pliers/ sharp blade

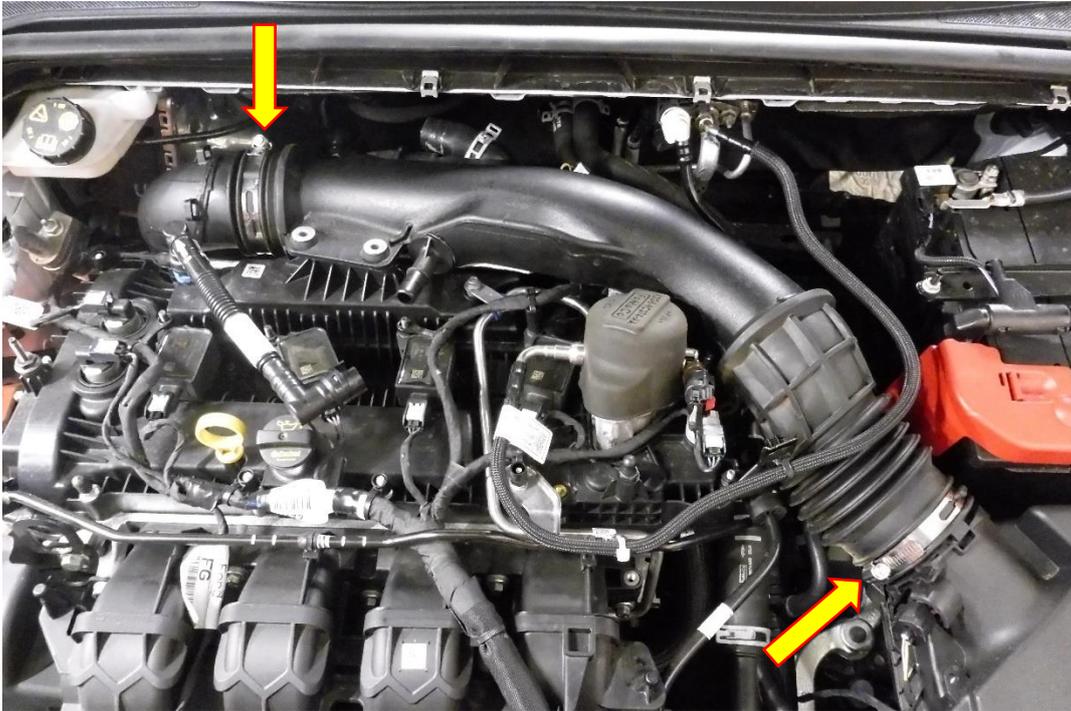
1. Open the bonnet of the vehicle and undo the M6 fastener attaching the engine cover to the engine using a 10mm socket and ratchet. Pull the engine cover upwards to remove it completely.



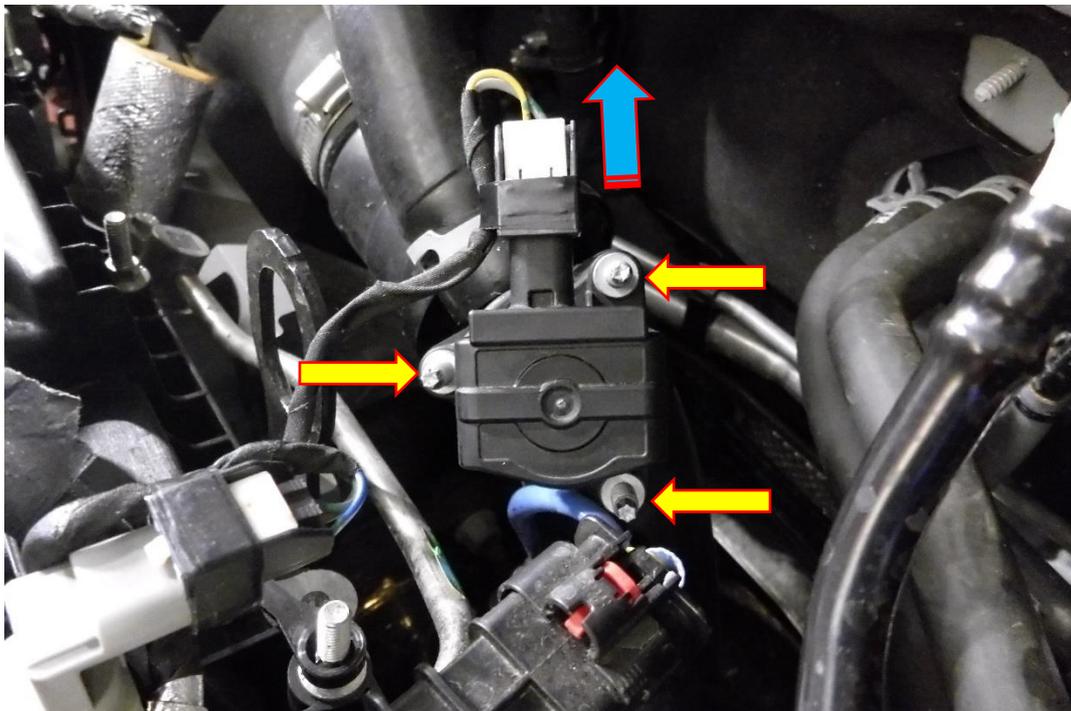
2. Remove X2 8mm fasteners attaching the intake pipe to the engine using an 8mm spanner or socket and ratchet. Remove both breather hoses, the breather closest to the front of the vehicle simply unclips and the hose at the rear will need long nose pliers or a hose clamp removal tool to release it.



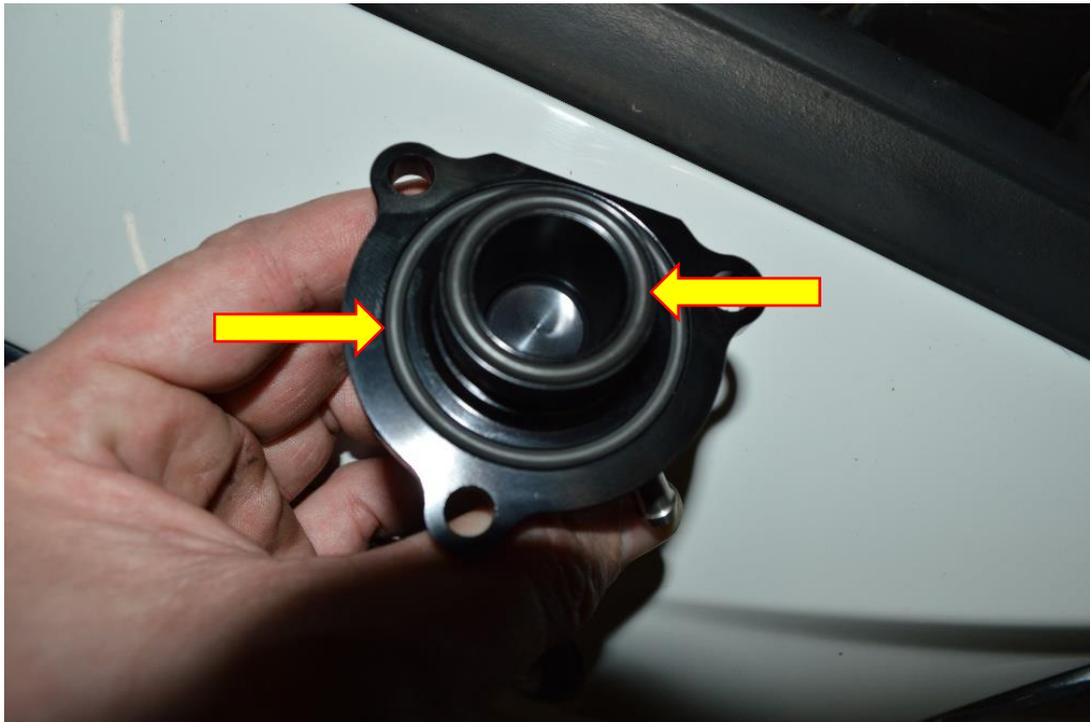
3. Loosen both hose clamps at each end of the intake pipe using a 7mm socket and ratchet or flat blade screwdriver. You will now be able to pull the intake pipe out of the engine bay.



4. With the intake pipe now removed from the engine bay, you will now have better access to the OE valve. Unplug the wiring loom at the top of the valve, then remove the X3 M6 fasteners using a 4mm socket and ratchet. The valve can now be removed from the boost pipe.



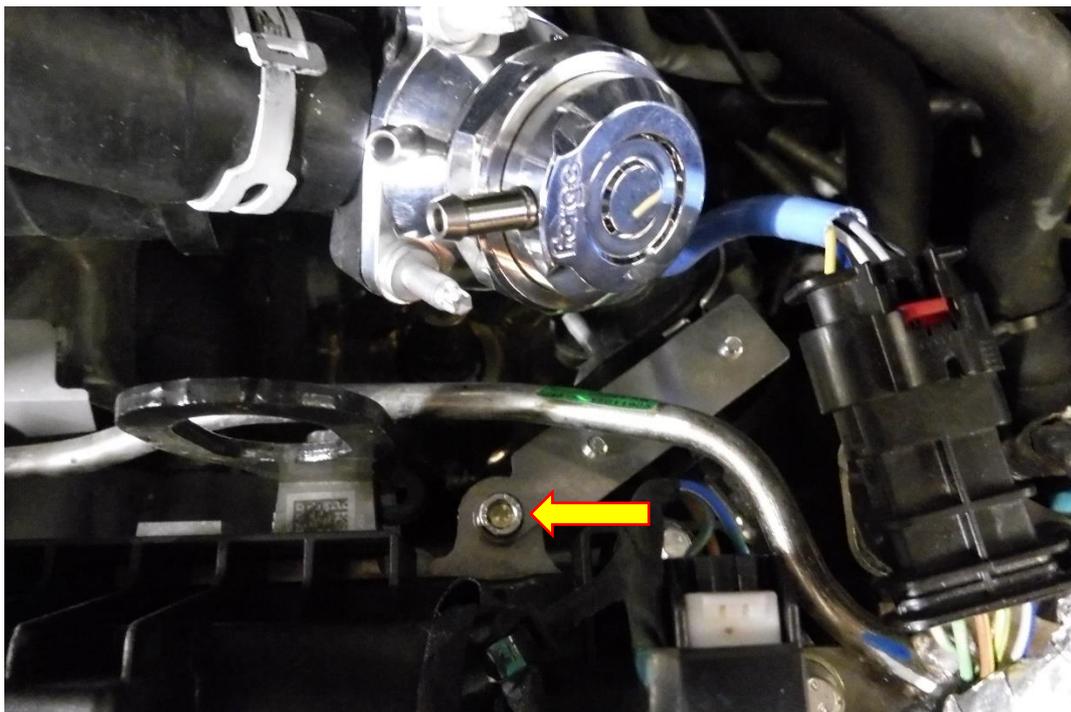
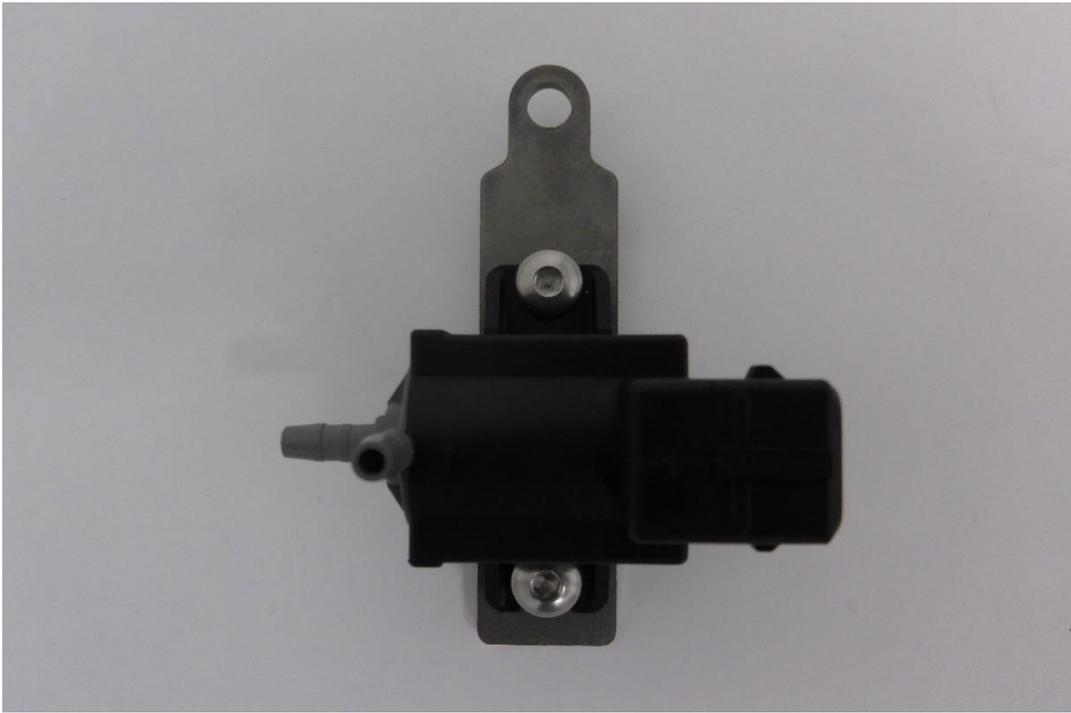
5. Fit the x2 O-rings provided into the Forge Motorsport valve as shown in the picture below.



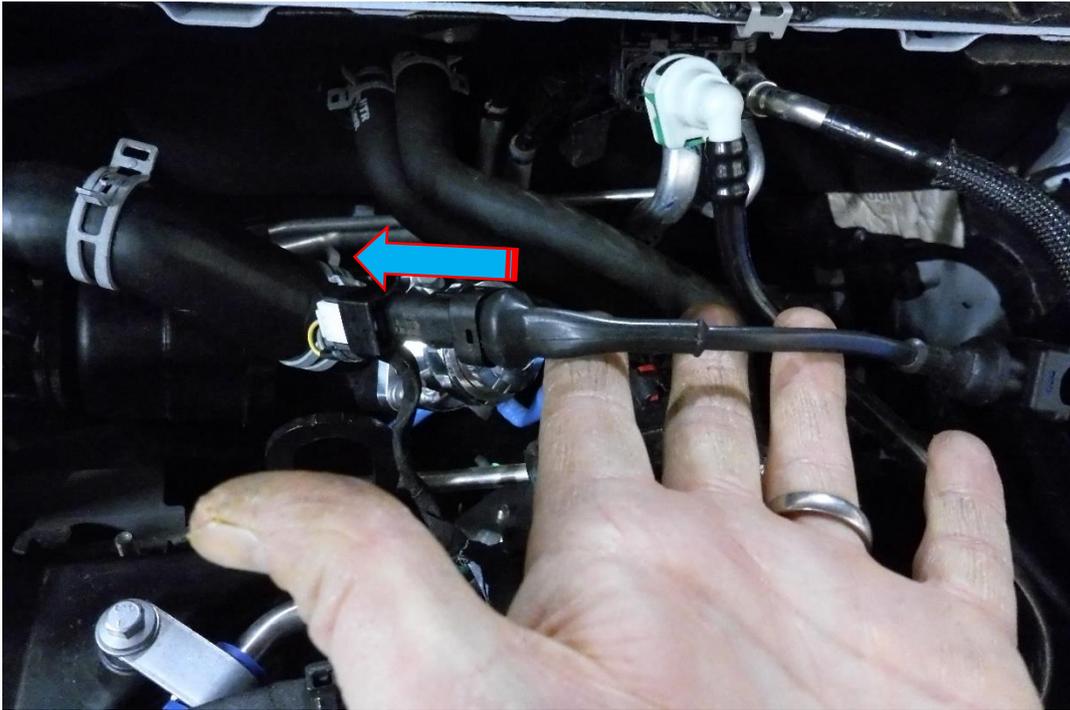
6. Fit the Forge Motorsport Valve with the X3 M6 Allen cap head bolts from the kit using a 5mm Allen key.



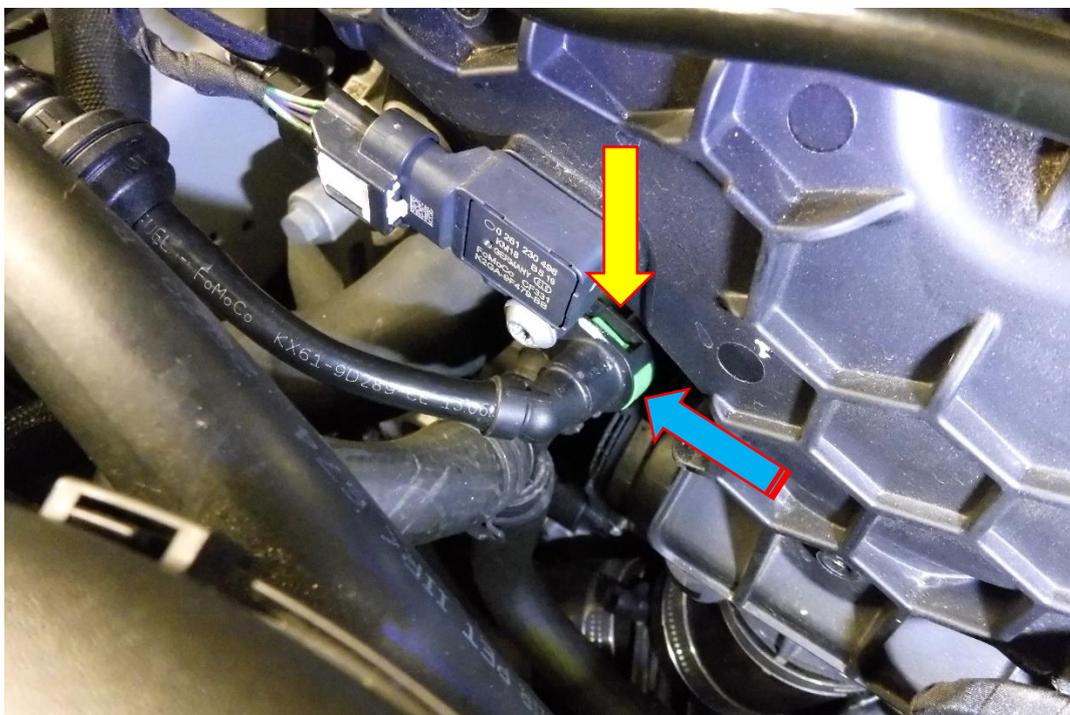
7. Take the solenoid, bracket and the X2 M4 fasteners and assemble as shown in the picture below using a 2.5mm Allen key to tighten the fasteners. Now attach the solenoid to the back of the engine using the supplied M6x10 Allen cap head bolt and spring washer.



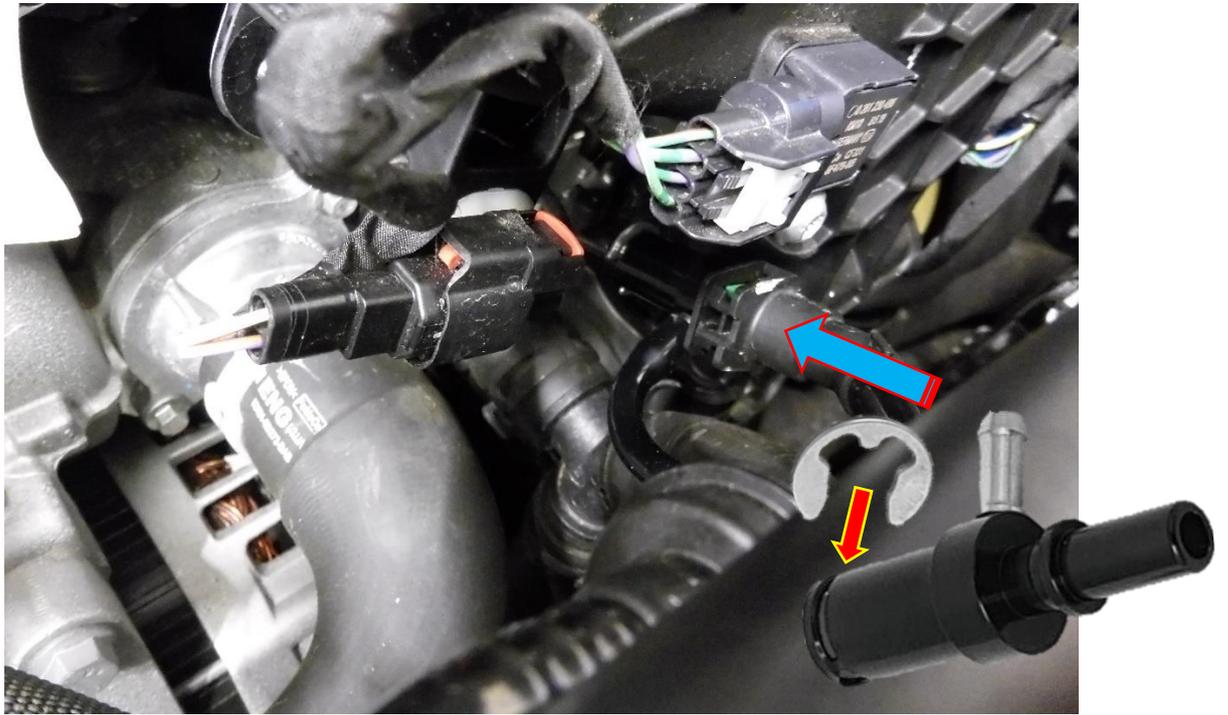
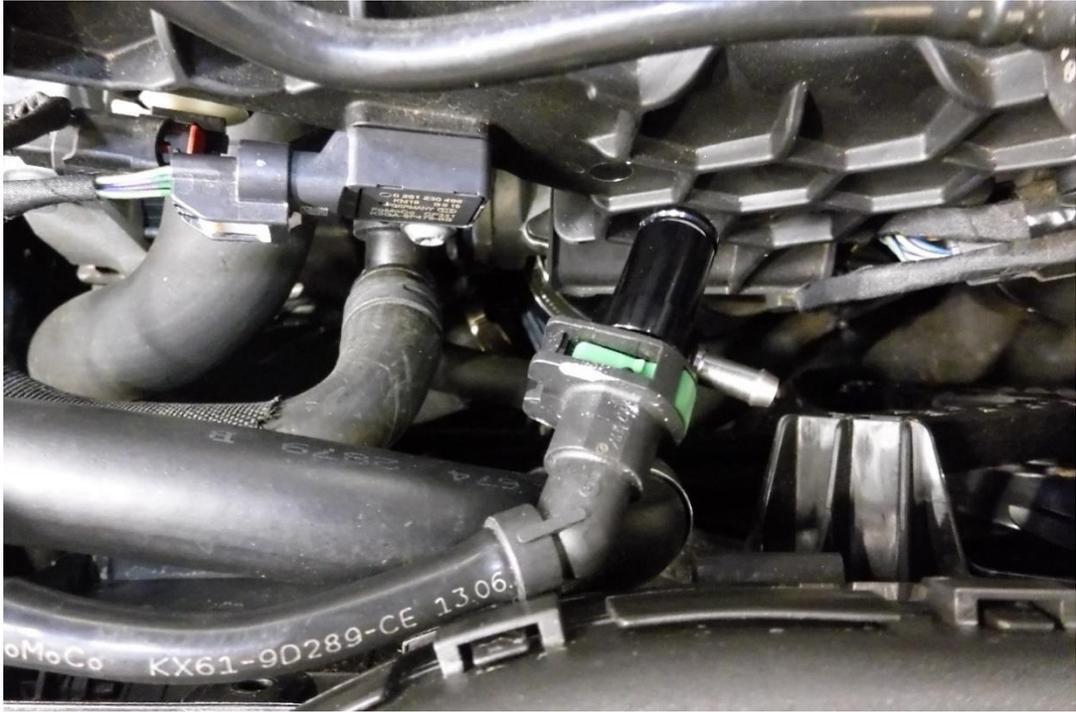
8. Fit the Forge wiring loom to the OE valve loom, make sure it is pushed all the way in until you hear it click. Route the other end of the Forge wiring loom to the solenoid, like before push the plug in until you hear it click into position.



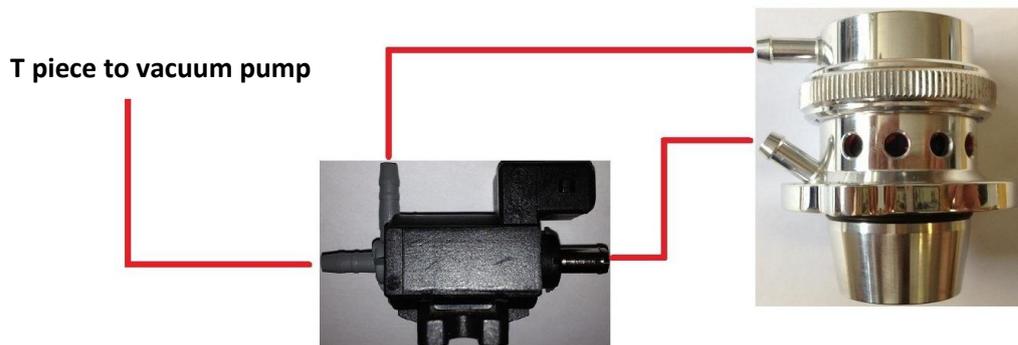
9. Remove the vacuum pipe located at the front of the inlet manifold. Push the green button inward and pull the pipe away at the same time, this will allow the vacuum pipe to come away.



10. Take the supplied vacuum T piece adaptor and insert the smaller end into the vacuum pipe removed in the previous step. Now re fit the vacuum hose and adaptor back into place, once pushed as far as it will go, lock into position with the supplied retaining clip.

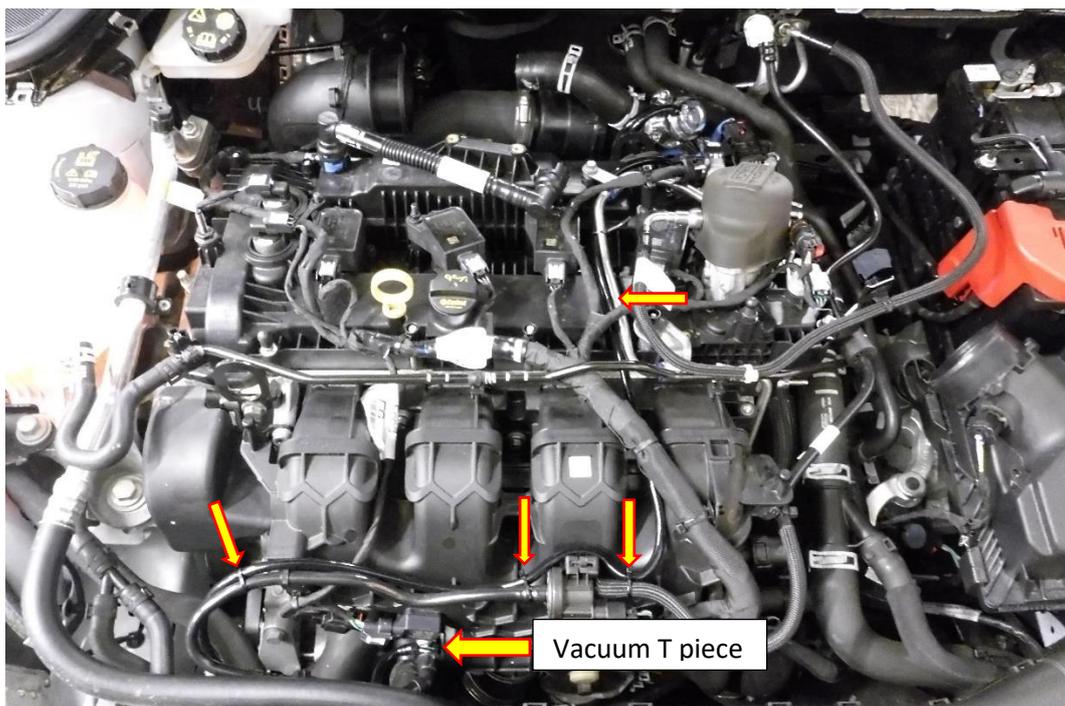


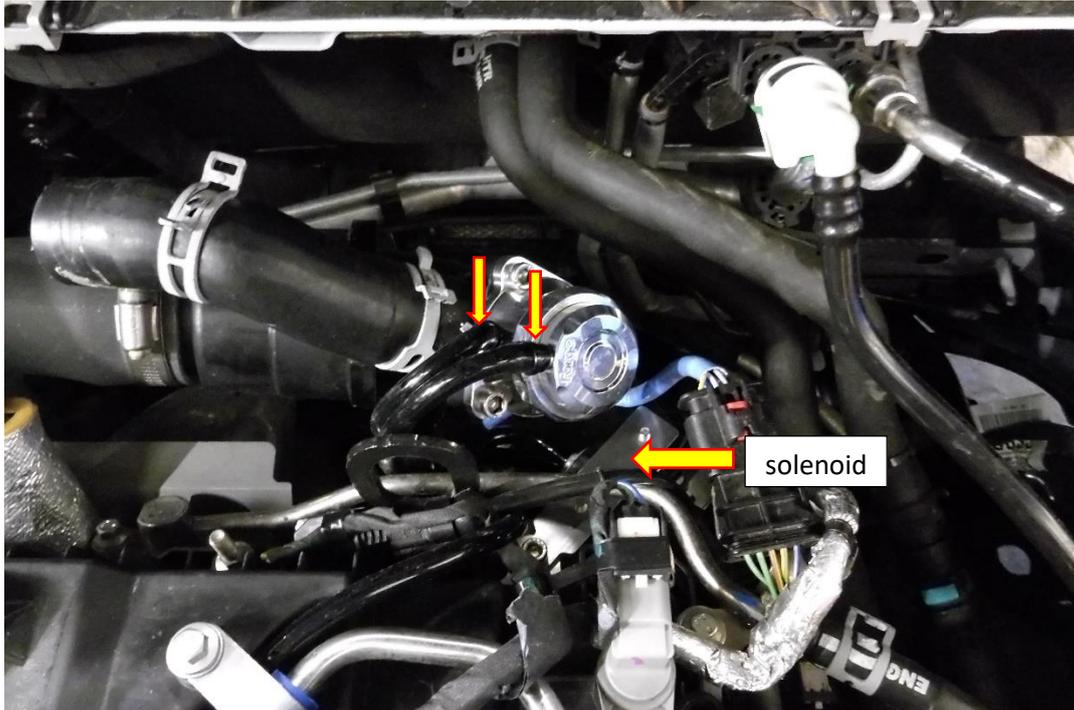
11. The next set of pictures are for illustration purposes - they may not be representative of your engine, but they are the clearest way to show you how to connect your solenoid to the atmospheric or recirculating valve you have fitted.



Overview of the vacuum hose routing

12. Run the supplied silicone vacuum hose as shown in the diagram above, cut to length with side cutters or a sharp blade. Use the supplied cable ties to secure the ends of the vacuum lines to the solenoid, valve, and vacuum T piece, then snip off the excess with side cutters. The arrows show areas where we recommend the silicone vacuum hose should be secured, again using the cable ties provided.





13. Follow steps 1-3 in reverse order to complete your installation. Once finished take the vehicle out for a test drive and enjoy your new Forge Motorsport product.



Forge Motorsport accept no liability for invalidation of your manufacturer's warranty or failure of any component or part due to incorrect installation of Forge Motorsport products.

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