



Kia Stinger GTS FMDV25 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:

7/10mm socket with extension

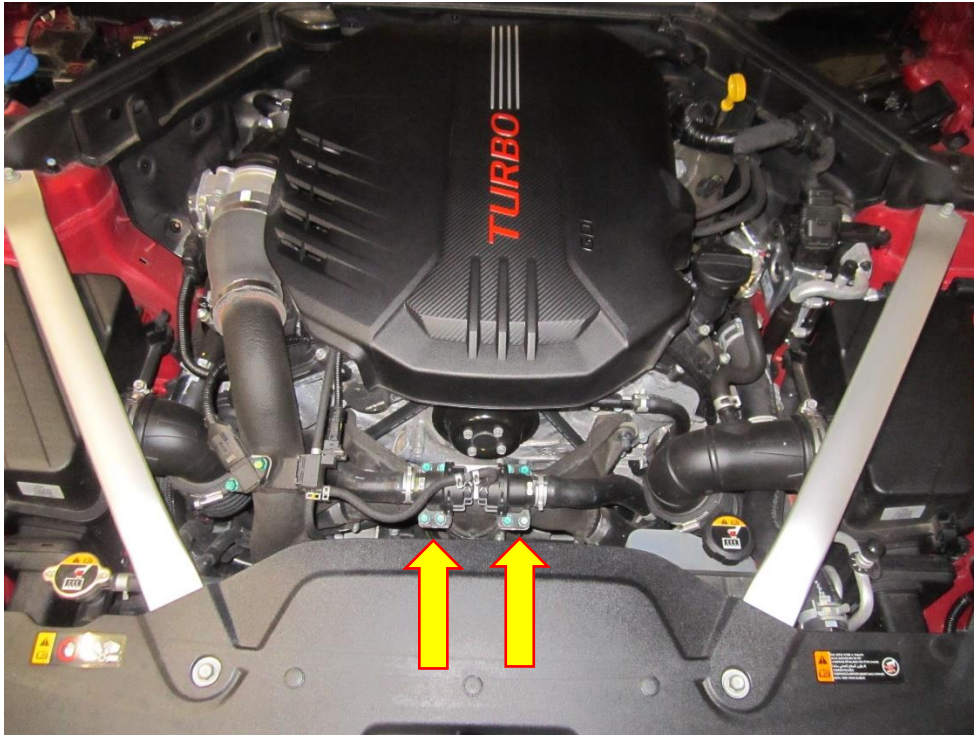
Flat bladed screwdriver

5mm Allen key

Spring Clip Removal tool/Long nose pliers

Side cutters

1. Open the bonnet of the vehicle and locate the original diverter valves.



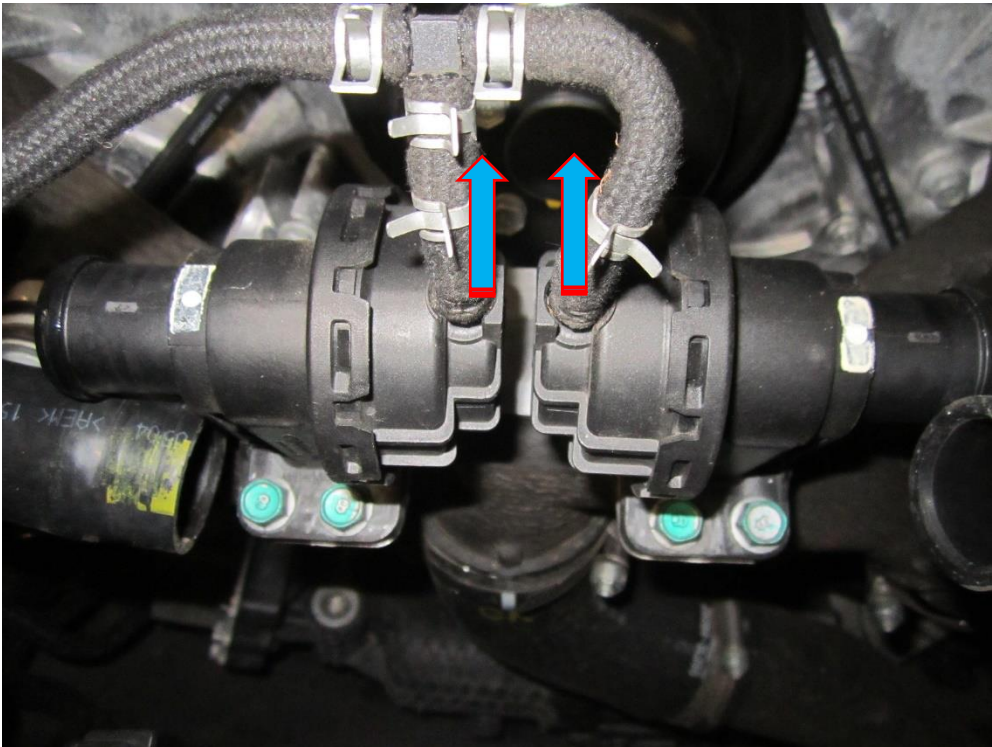
2. Using a hose clamp removal tool or some long nose pliers, move the hose clamps down the hose as shown in the picture below.



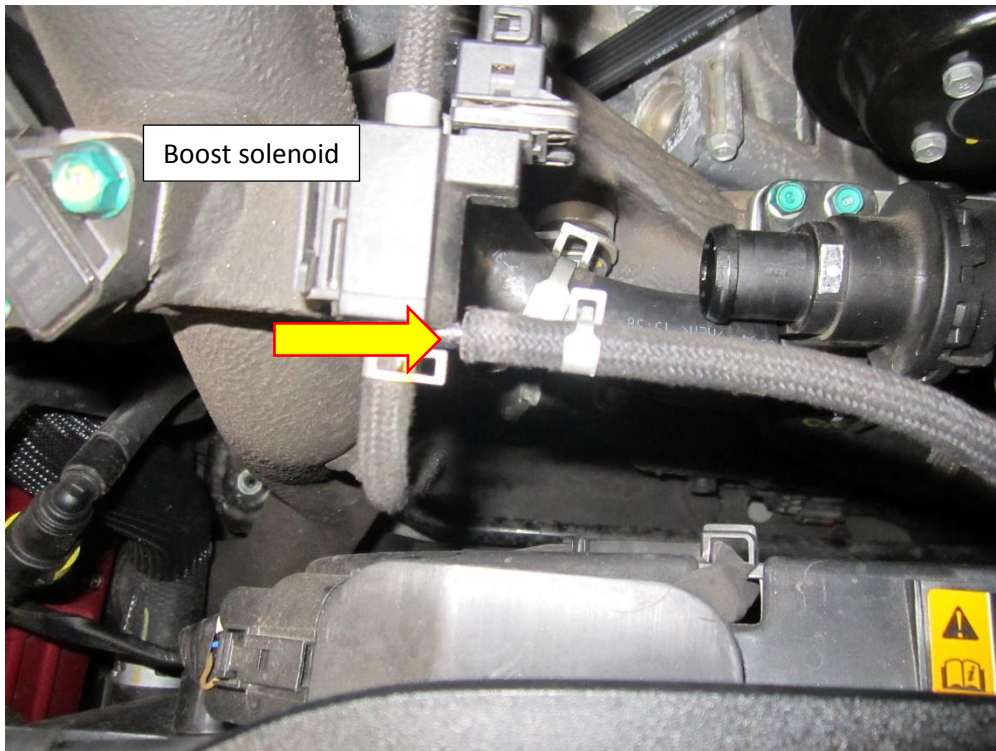
3. You will now be able to remove the hoses from the diverter valves; you may find the hose is hard to remove but it will come away prising the hose with a trim tool or flat blade screwdriver.



4. Use long nose pliers to release the hose clamps holding the vacuum hoses to the diverter valves, then still using the long nose pliers remove the hoses from the valves completely.



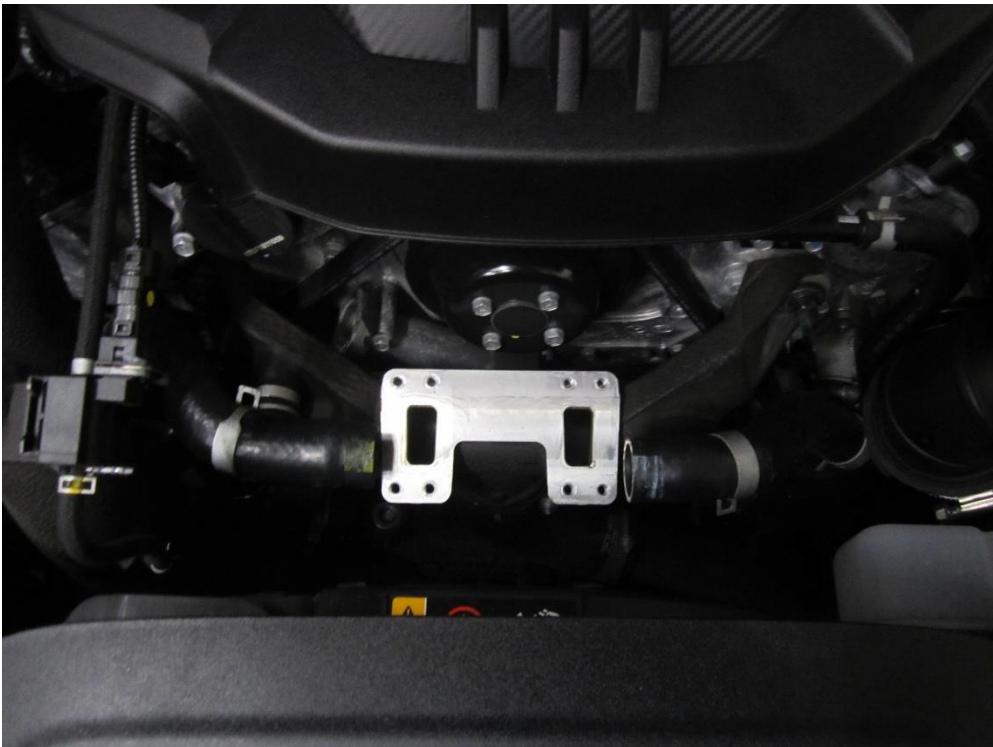
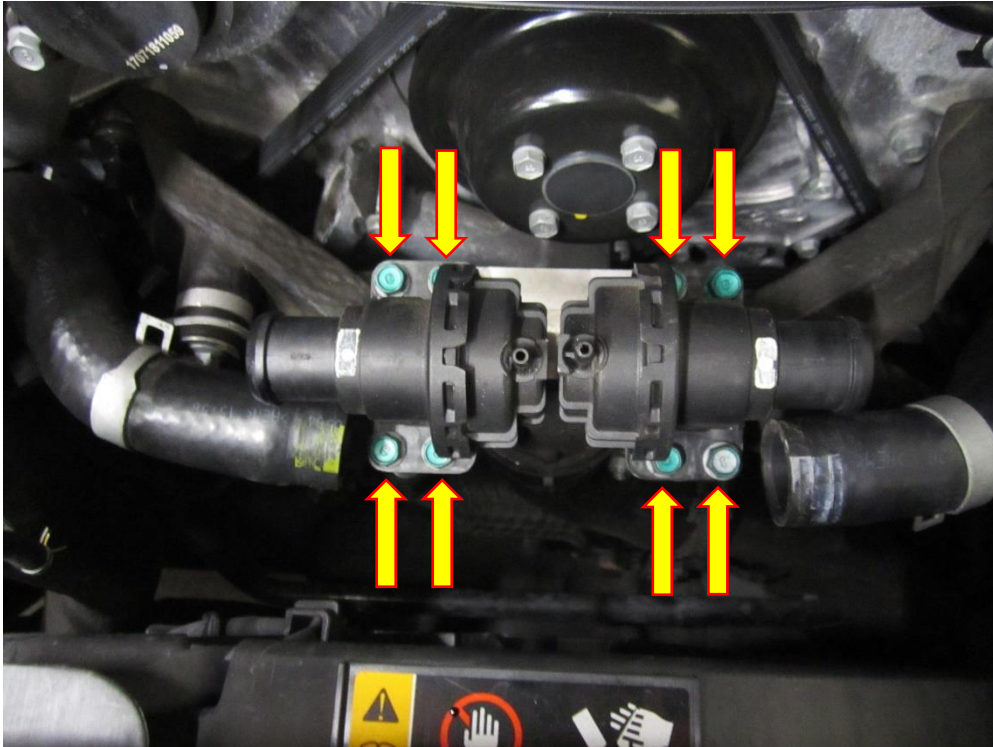
5. Remove the other end of the vacuum hose from the boost solenoid with the use of a spring clip removal tool or long nose pliers to release the hose clamp. The hose can then be removed from the solenoid.



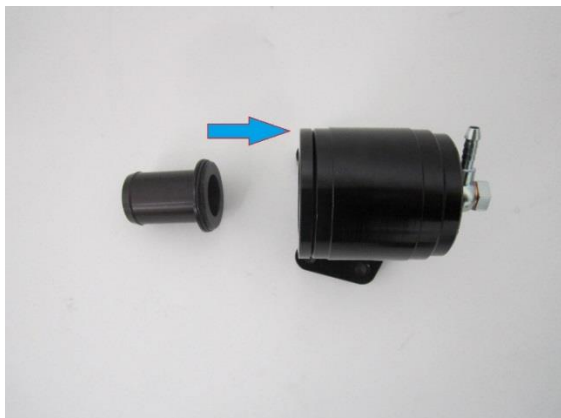
6. Using the supplied silicone hose from the kit, replicate the OE vac hose as shown in the picture below.



7. There are four hex head bolts holding the OEM diverter valve to the car, Remove all these using a 10mm socket and ratchet, you will then be able to remove the valves from the car.



- At this stage you have a choice to fit the valves to vent to atmosphere or to recirculate the air (same as OE). To vent to atmosphere, go to step 10.



Recirculation Fitment



Atmospheric Fitment

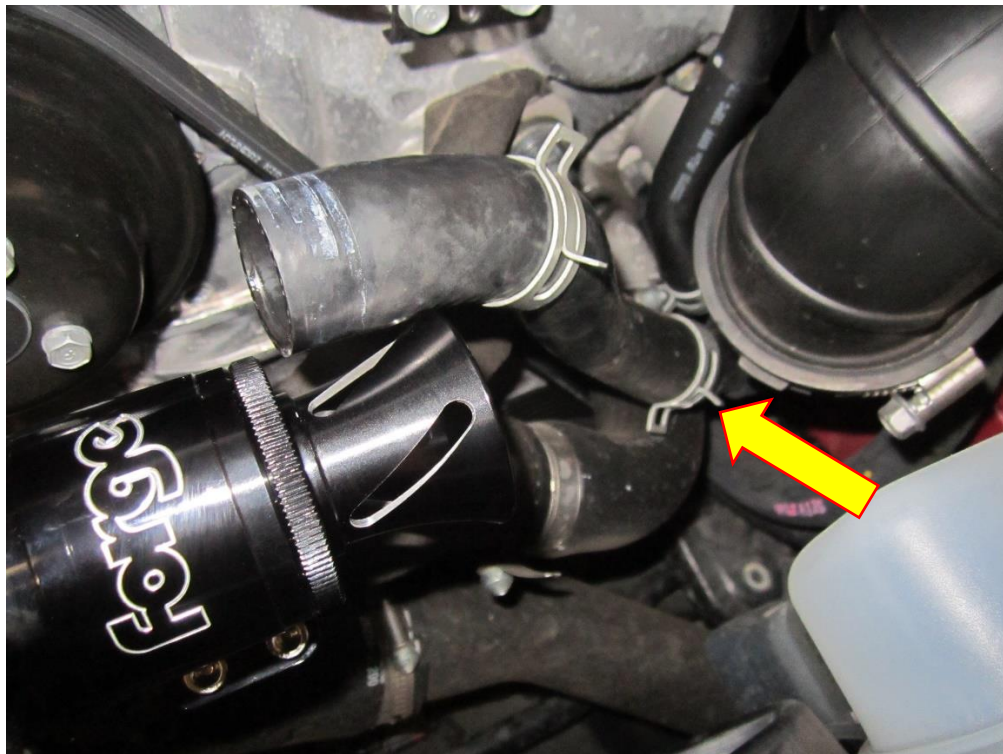
Place the Forge valves where the OE valves were positioned, use the 8x M6 allen cap head fasteners to attach them with the use of a 5mm Allen key. Fit the rubber hoses back in place using the original spring hose clamps.



- Fit the new silicone vac hose made in step 6 to the solenoid and the valves. Use the original hose clamps to secure the hose in place. The installation of the recirculating valves is now complete.



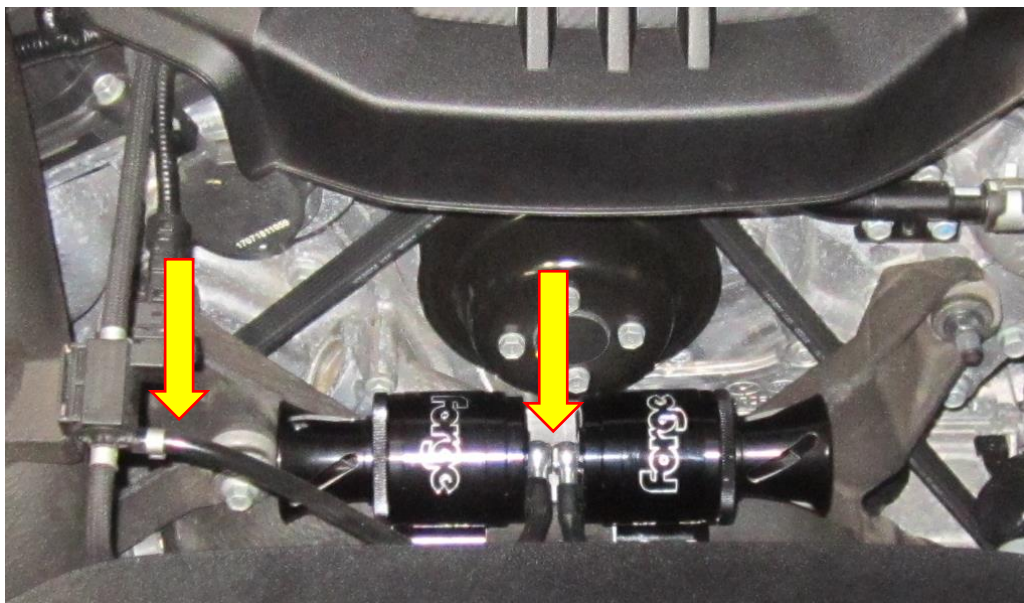
10. To install the valves to vent to atmosphere, first mount the valves where the OE valves were located. Secure them in place with the 8x M6 Allen cap head fasteners. Remove the recirculating rubber hoses from both intake pipes by releasing the hose clamps.

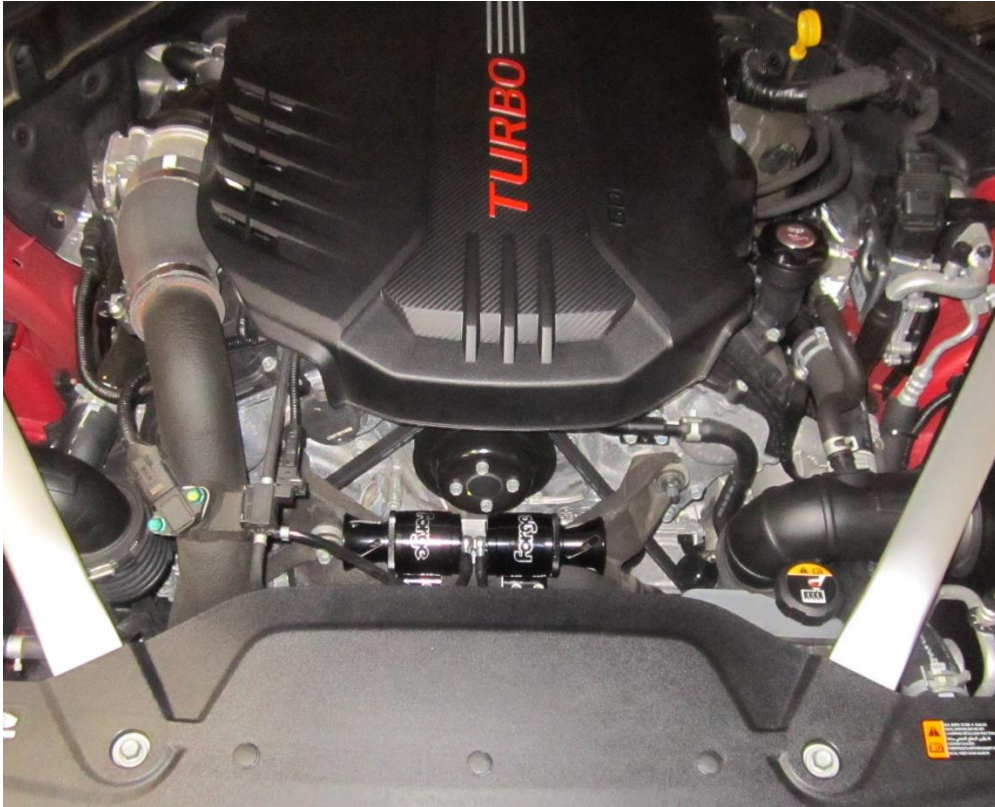


11. Use the supplied silicone blanking covers to block off the intake ports. Secure in place with the supplied hose clamps, use a 7mm socket or flat blade screwdriver to tighten.



12. Fit the new silicone vac hose made in step 6 to the solenoid and valves. Use the original hose clamps to secure the hose in place. The installation of the atmospheric valves is now complete.





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