



Toyota Yaris GR FMDV34 A/R 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:

10/12 mm socket with extension
3mm Allen key/Allen socket
T30 Torx screwdriver/socket
Side cutters or scissors
Axel stands or car ramp
Wheel brace
Flat blade screwdriver or trim tool

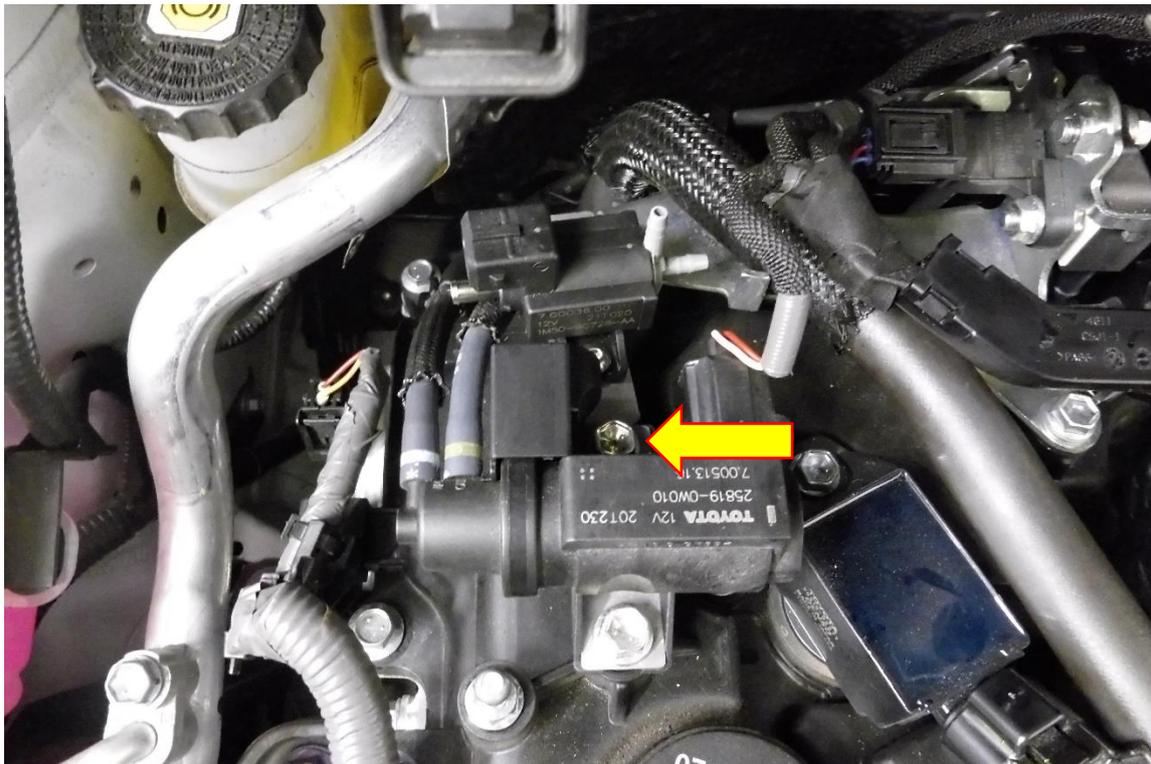
1. Raise the bonnet and holding either side of the engine cover pull sharply in an upwards motion to remove from situ.



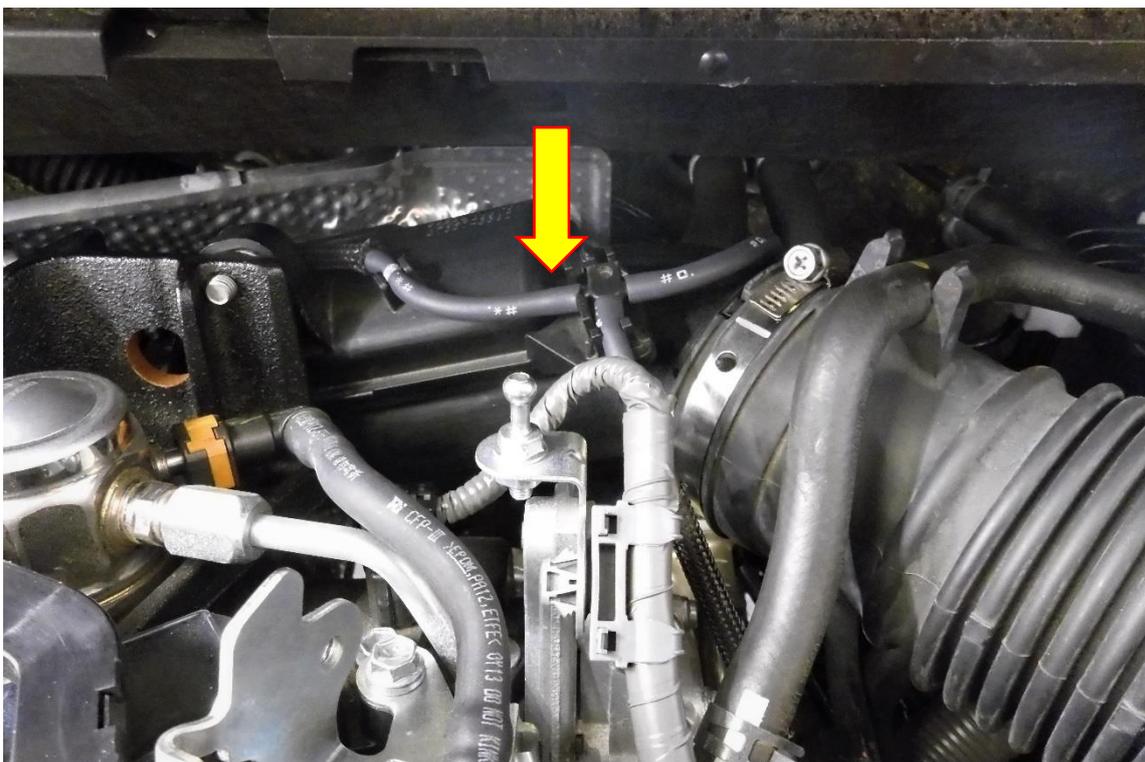
2. Using a 3mm Allen key and the supplied 2x M4 fasteners attach the solenoid to the bracket as shown in the picture below.



- Using a 10mm socket and ratchet attach the solenoid bracket to the M6 fastener shown in the picture below.



- Locate the vacuum source which is mounted to the intake pipe. Disconnect the hose on the left side and using some side cutters fit the vacuum T piece and vacuum tube supplied with the FMDV34 kit, fit them as shown in the second picture and run the silicone hose to the solenoid. Secure the hoses with the supplied cable ties.

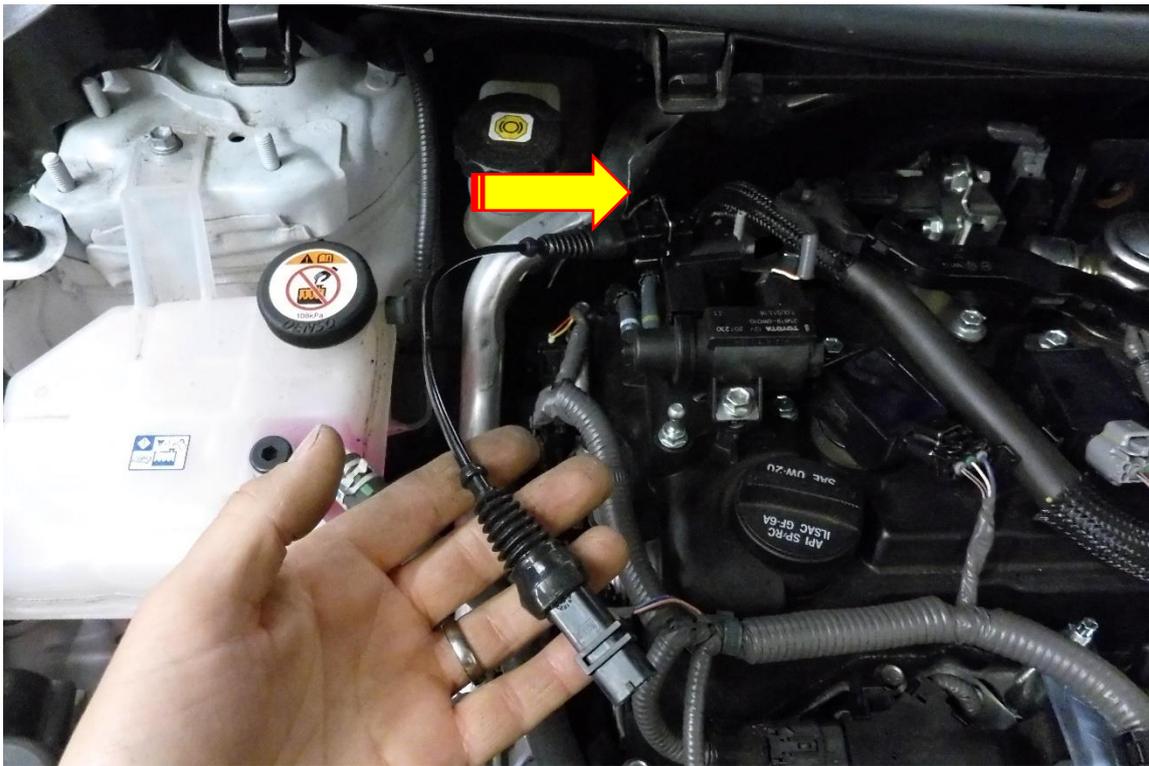




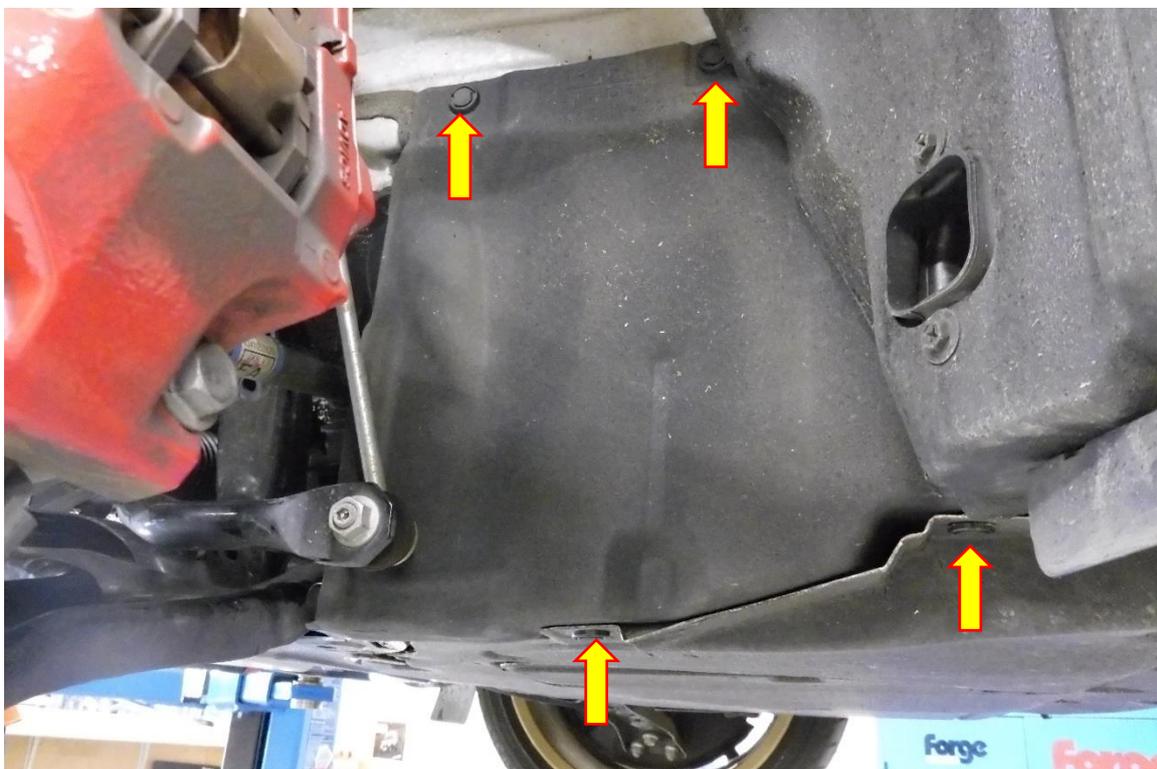
5. Attach the vacuum hose to the solenoid to the spout with the arrow.



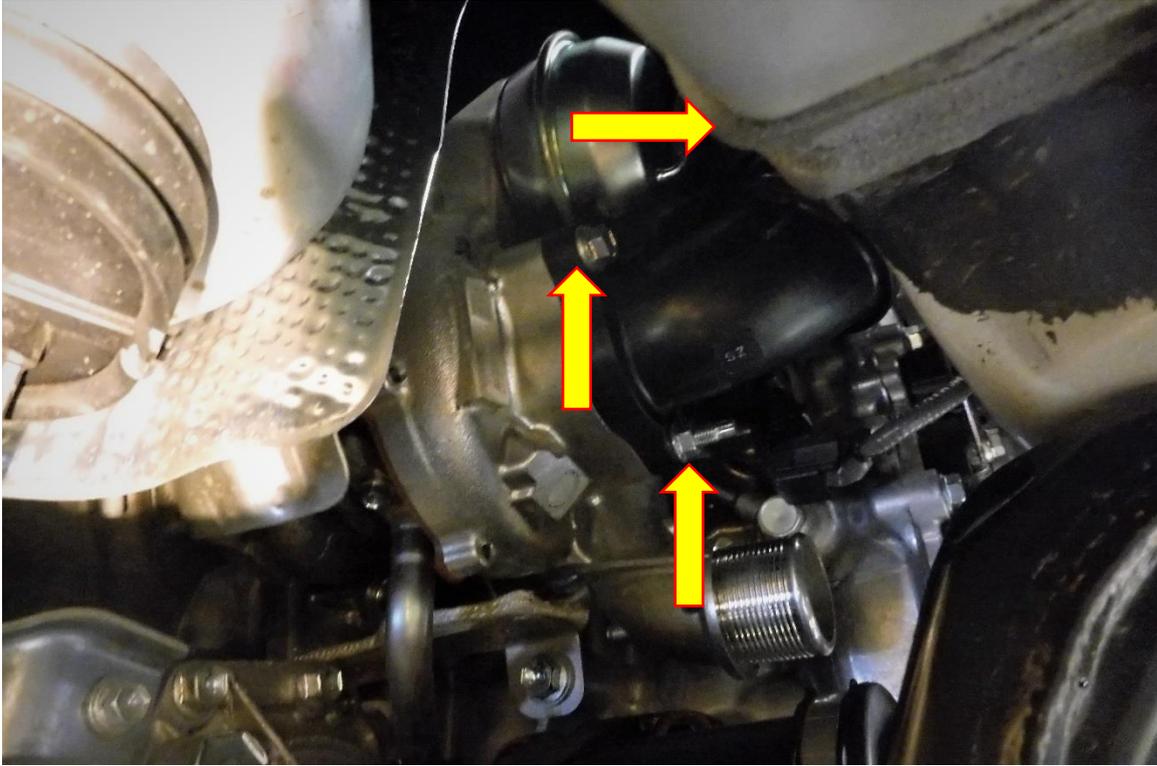
6. Fit the wiring harness to the solenoid, push the plug till you can hear it click into position.



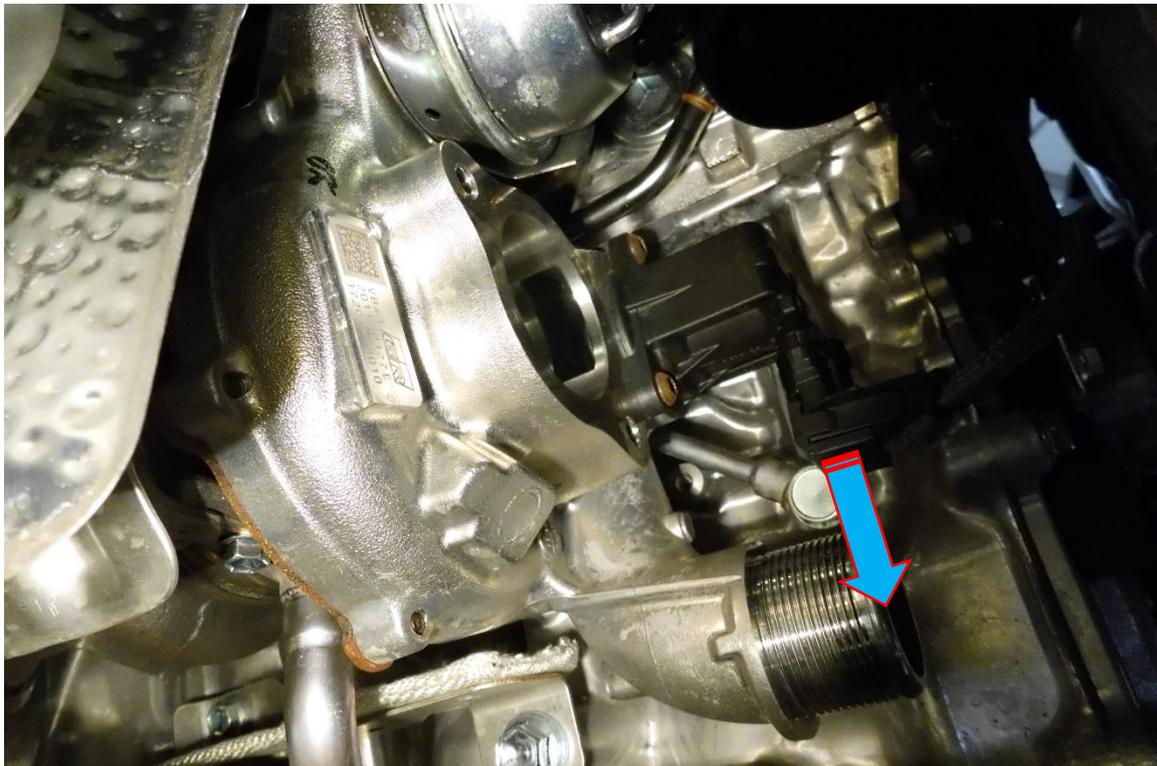
7. Raise the vehicle in the air and support with axel stands, using a wheel brace remove the off/side front wheel. You will now have access to the inner splash guard, using a flat blade screwdriver or trim tool remove the 4x plastic fasteners.



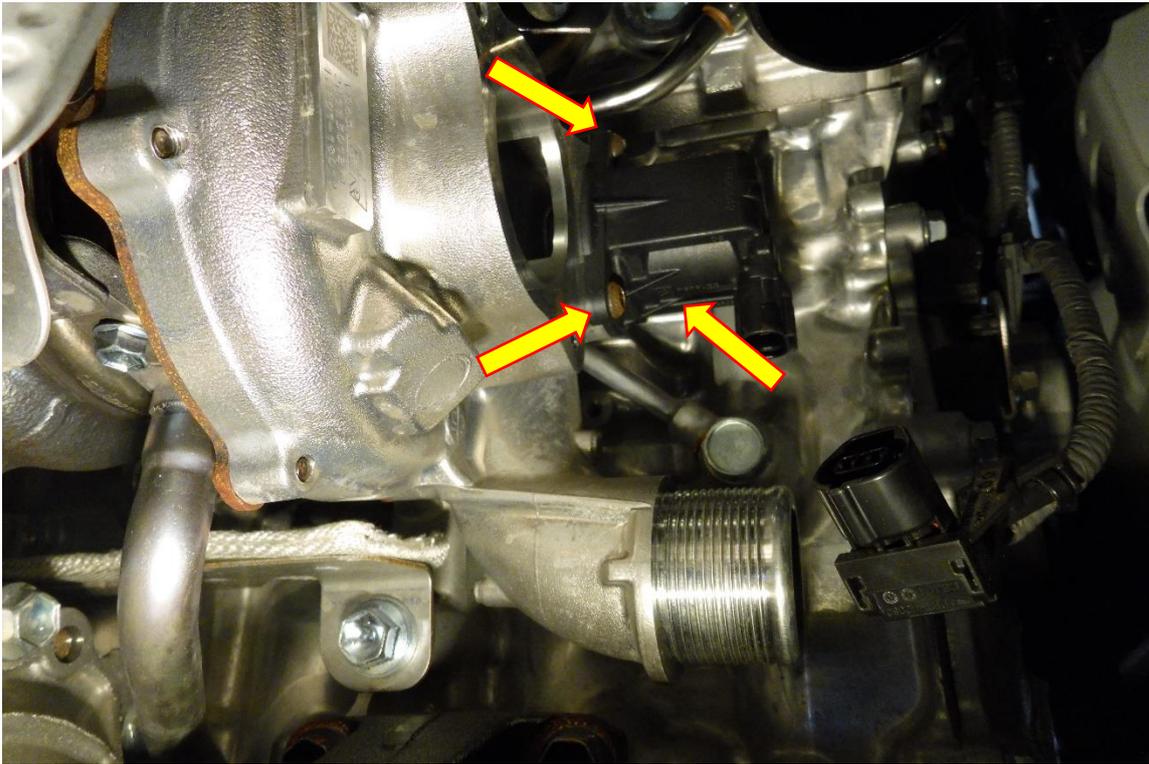
- Using a 12mm socket and ratchet remove the fasteners attaching the turbo elbow to the turbo. Using a 10mm socket and ratchet loosen off the hose clamp at the other end of the turbo elbow, this will allow you to remove the turbo elbow from situ.



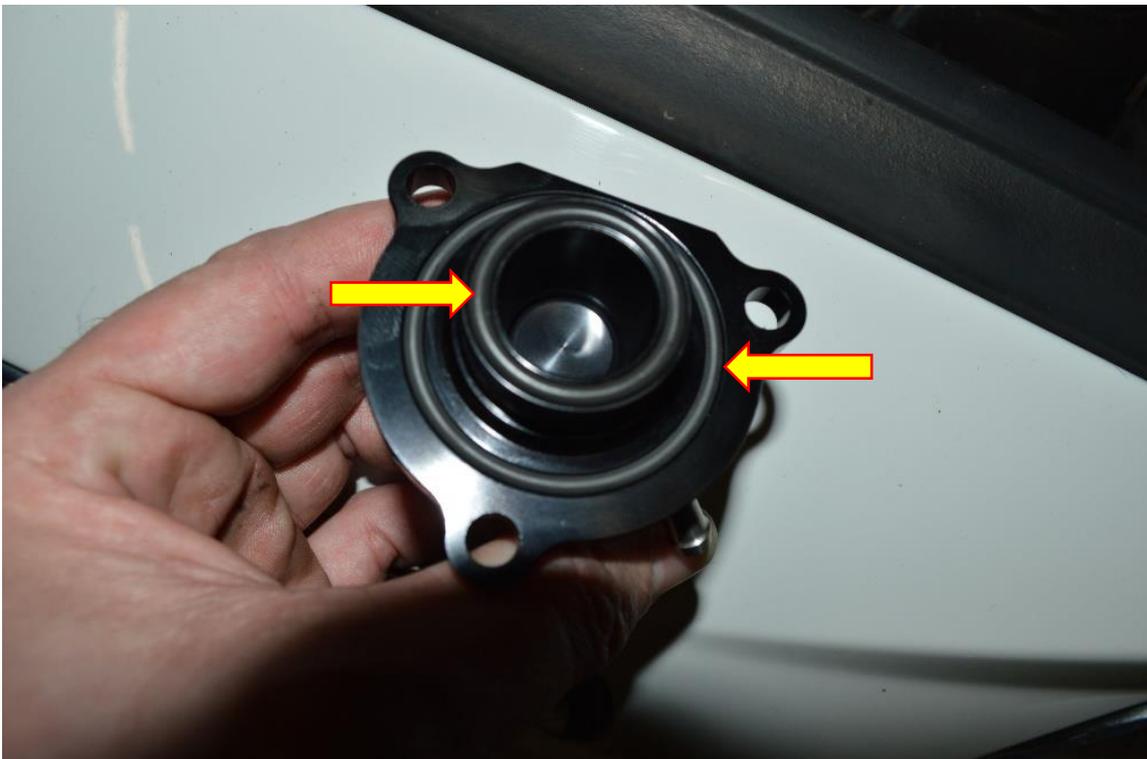
- Unplug the loom going to the OEM valve.

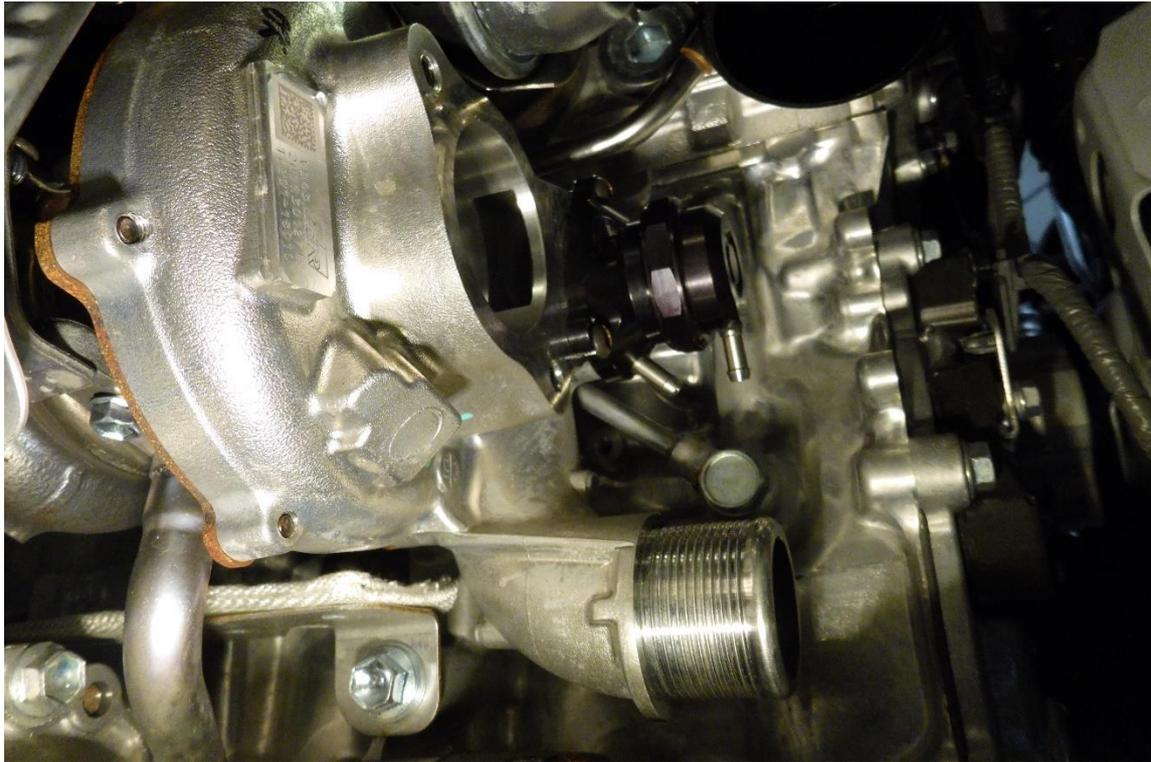


10. Using a T30 Torx drive remove the 3x M6 fasteners attaching the OEM valve to the turbo. The valve can now be removed.



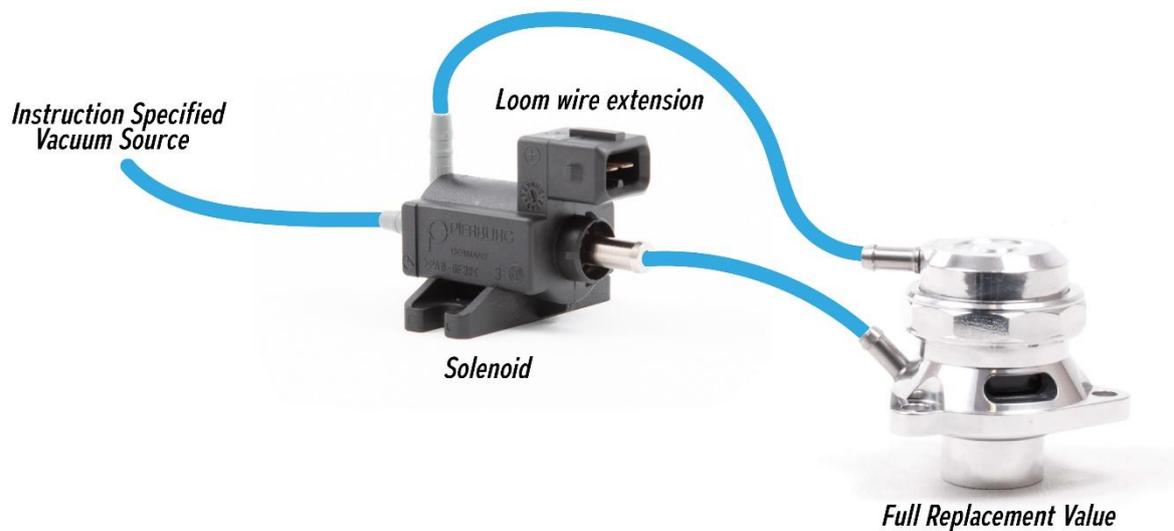
11. Fit the O-rings supplied with the FMDV34 kit to the Forge Motorsport valve as shown in the first picture below. Now mount the Forge Motorsport valve to the turbo using the original M6 fasteners.



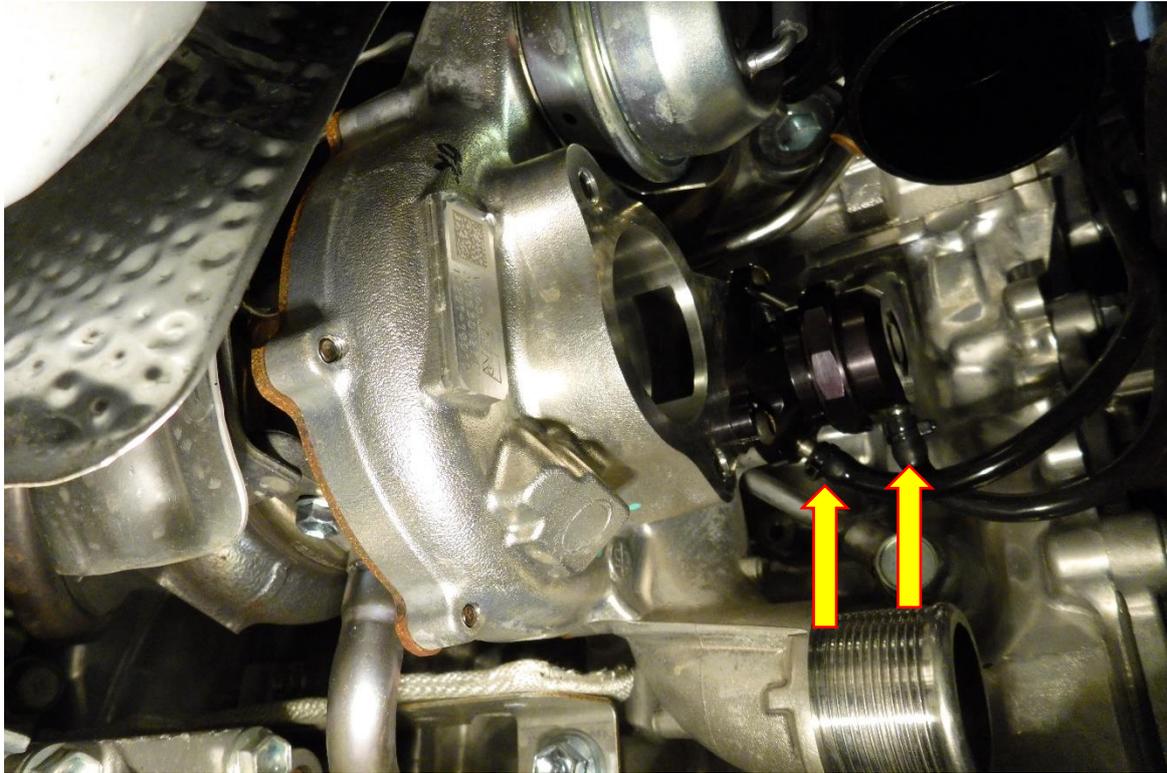


12. Run the new vacuum lines as shown in the diagram below, cut the vacuum tube to length with some side cutters or scissors. Use the supplied cable ties to secure the ends of the vacuum lines to the solenoid and valve then snip off the excess with side cutters.

Overview of the vacuum hose routing

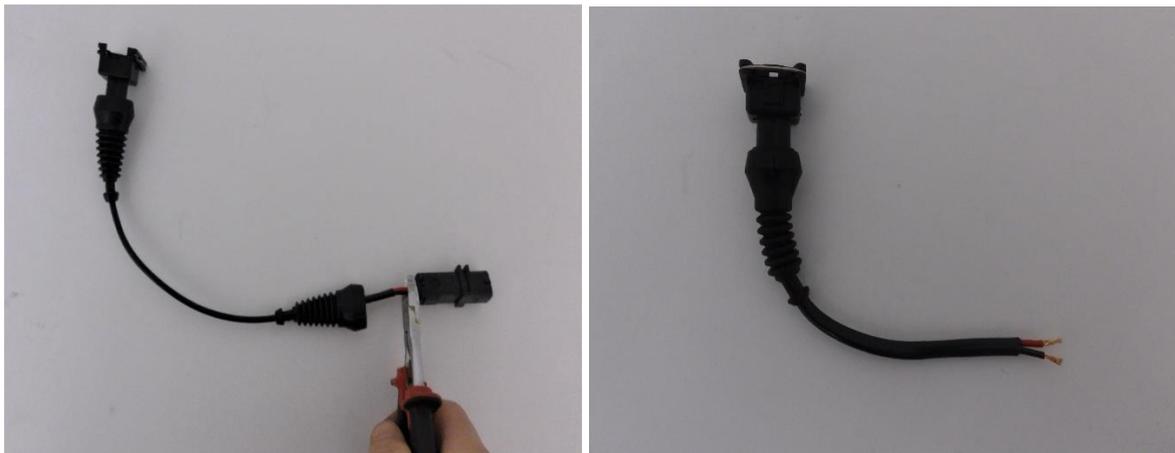


13. Using side cutters cut the silicone hose to length and use the supplied cable ties to secure in place.



14. Plug the opposite end of the wiring loom from the valve solenoid to the OE valve loom. We have found some vehicles have different plug for the valve, so if you find the loom does not fit your vehicle, we have supplied some wire taps and they are to be fitted as follows.

Cut the vehicle specific end of the Forge valve loom off.

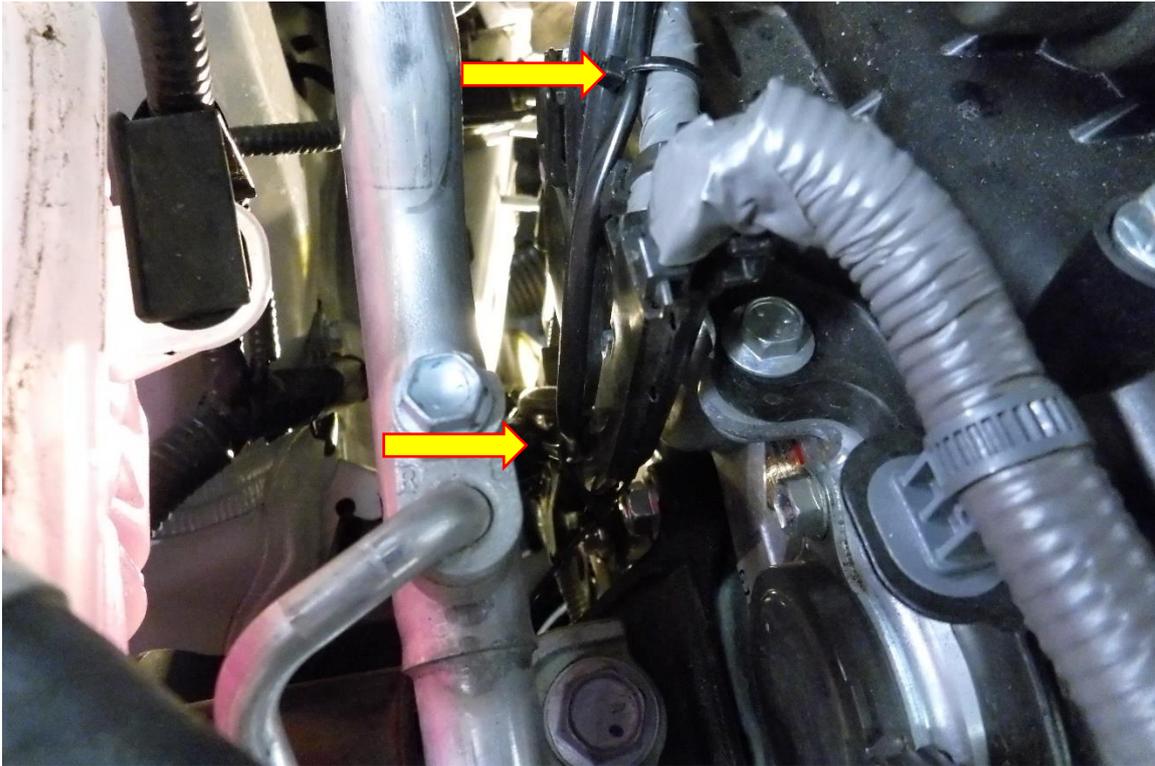


Attach the wire posi taps to the vehicles DV wiring loom first then attach then Forge loom and tighten up to secure the wires. It doesn't matter which way round the loom is connected. (these pictures are library photos from a different vehicle)



15. Cable tie both silicone hoses and the wiring loom to the valve with the vehicles wiring harness running down the side of the engine.





16. Re-fit the turbo elbow, splash guard, front wheel and engine cover and your installation of FMDV34 is complete. Take the vehicle for a test drive and enjoy your new Forge Motorsport product.

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If you have any questions or concerns about this product or anything else, please feel free to contact your local or preferred Forge Motorsport Dealer/Installer or you may contact us directly.

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