



Suzuki Swift Sport Hybrid FMDV47 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.

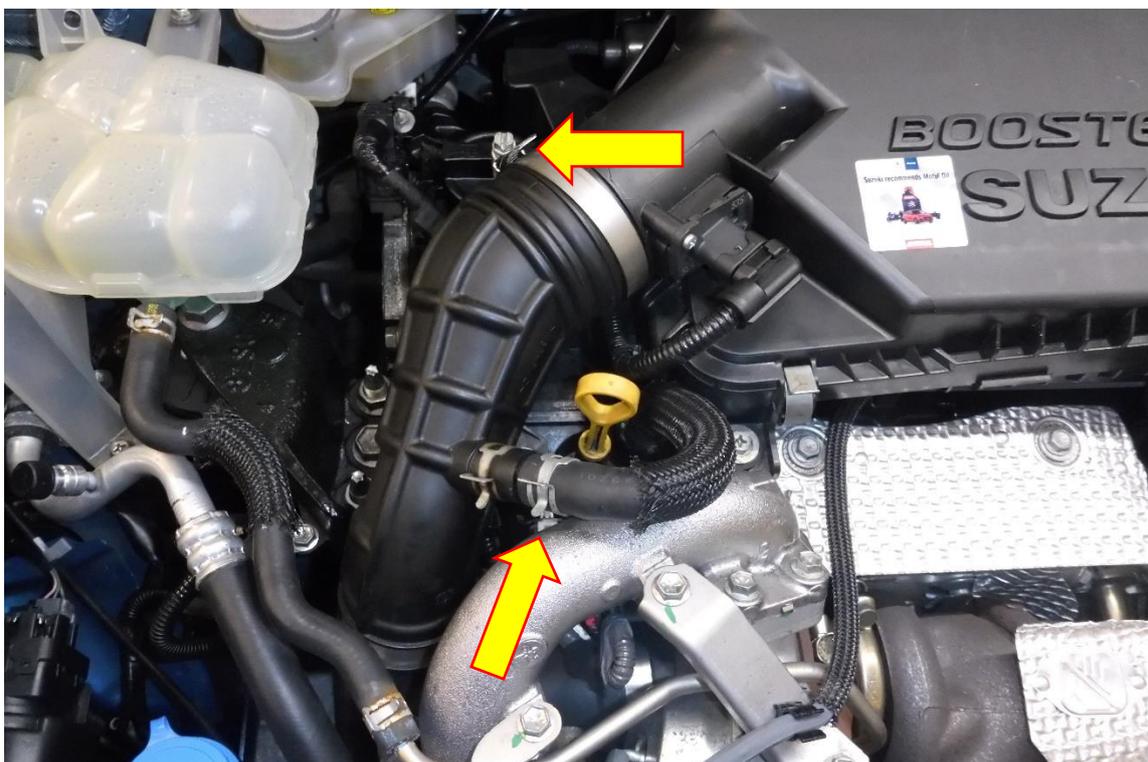
TOOLS NEEDED:

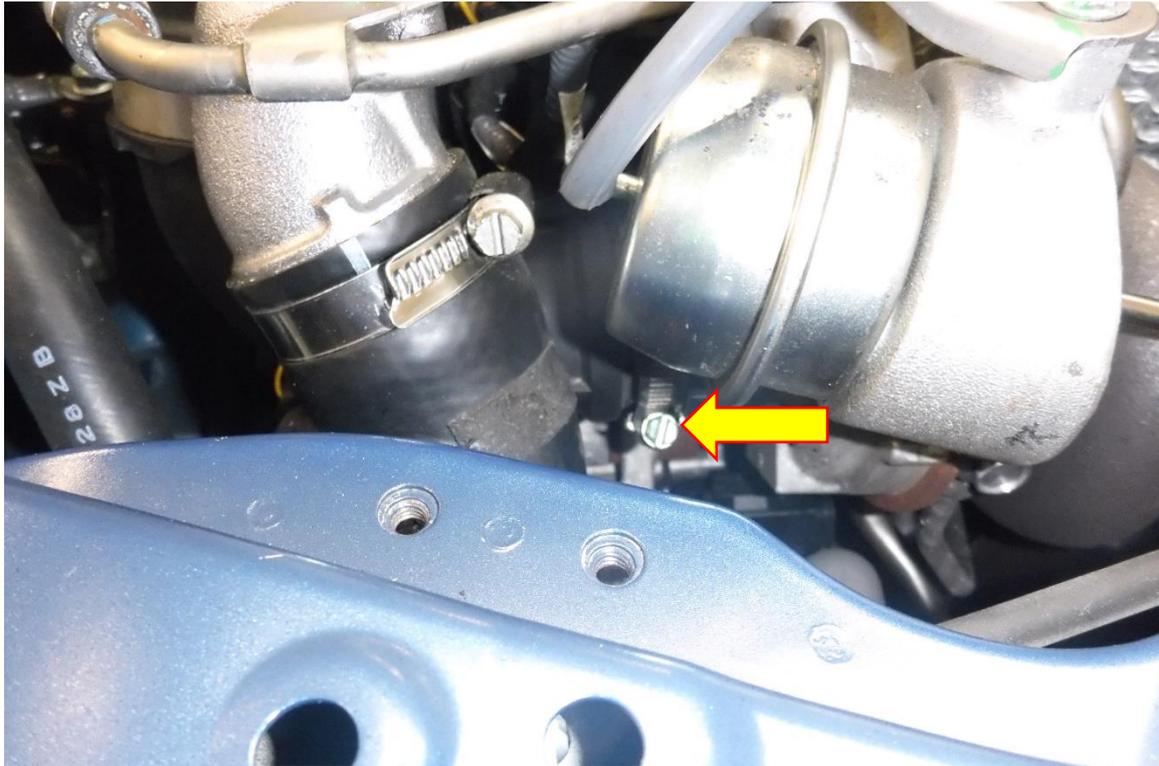
8/10 mm socket with extension
3mm Allen key/Allen socket
T30 Torx screwdriver/socket
Side cutters or scissors
Pliers
Flat blade screwdriver

1. Open the bonnet and before working on the vehicle make sure the engine is cold. Locate the turbo inlet hose as arrowed below.

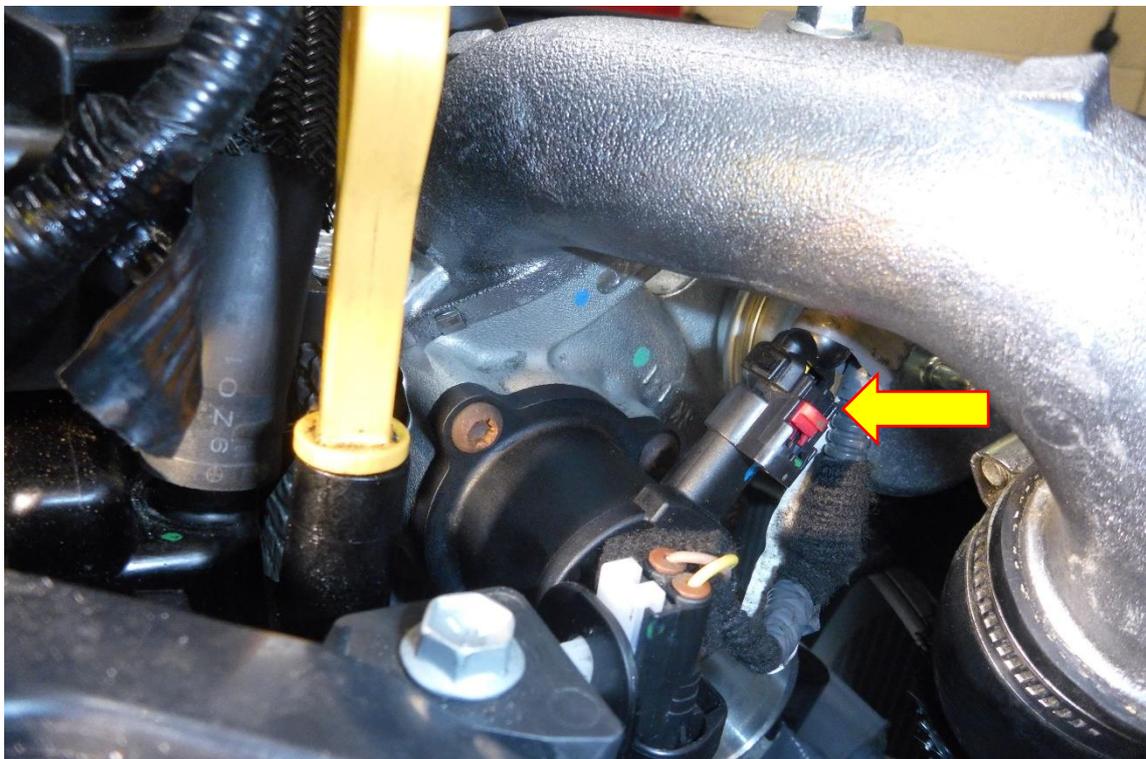


2. Using an 8mm socket and suitable drive or flat blade screwdriver loosen both hose clamps attaching the turbo inlet hose. Use plyers to loosen the hose clamp attaching the breather hose and disconnect it from the turbo inlet hose. You will now be able to remove the turbo inlet hose from the vehicle.

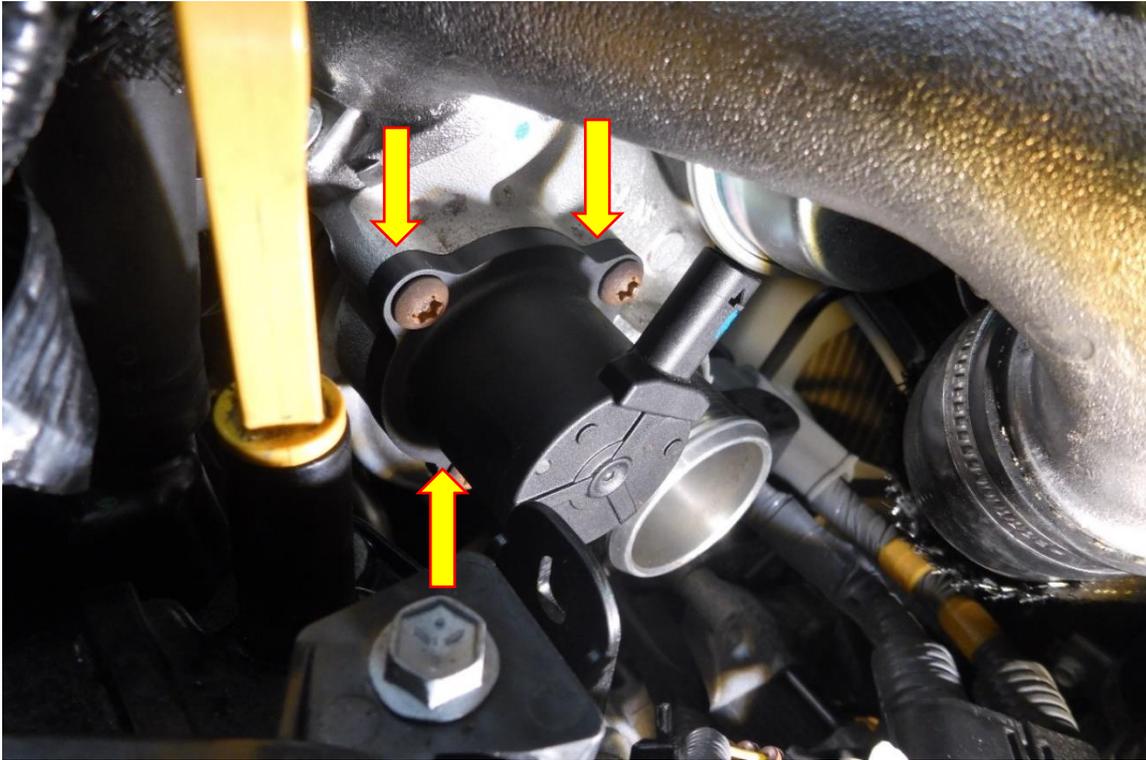




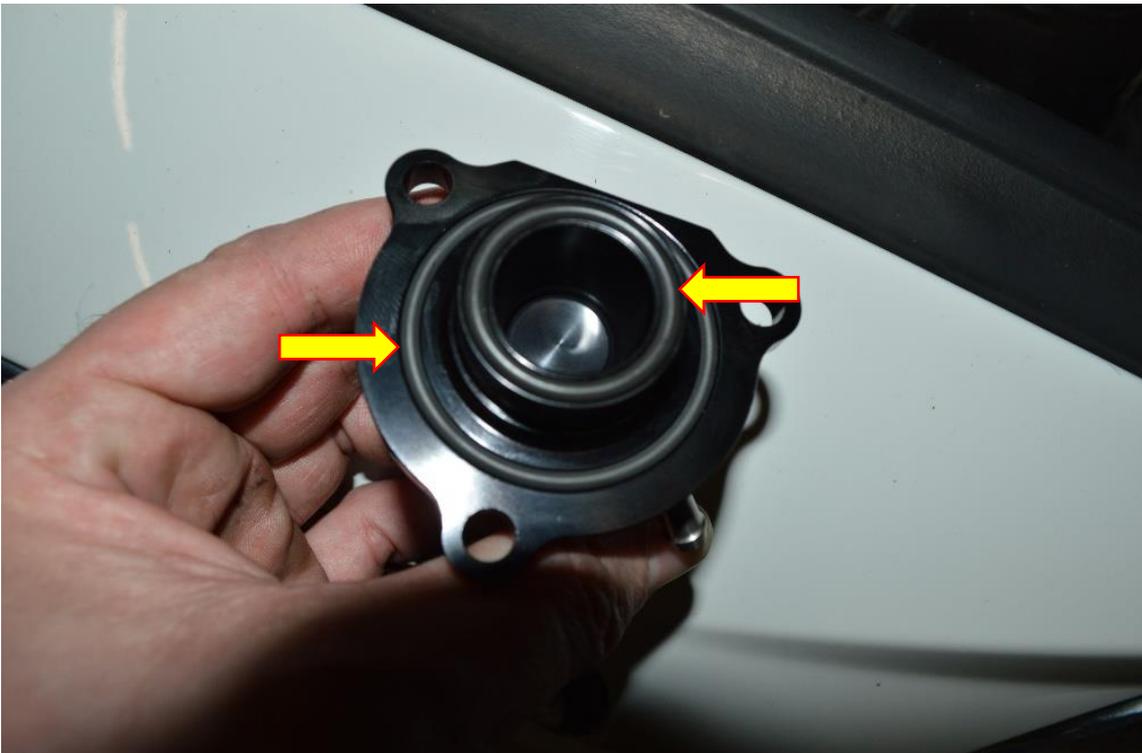
3. Locate the original DV attached to the turbo, slide back the locking tab on the DV plug then press in the retaining clip to disconnect the wiring loom to the DV.



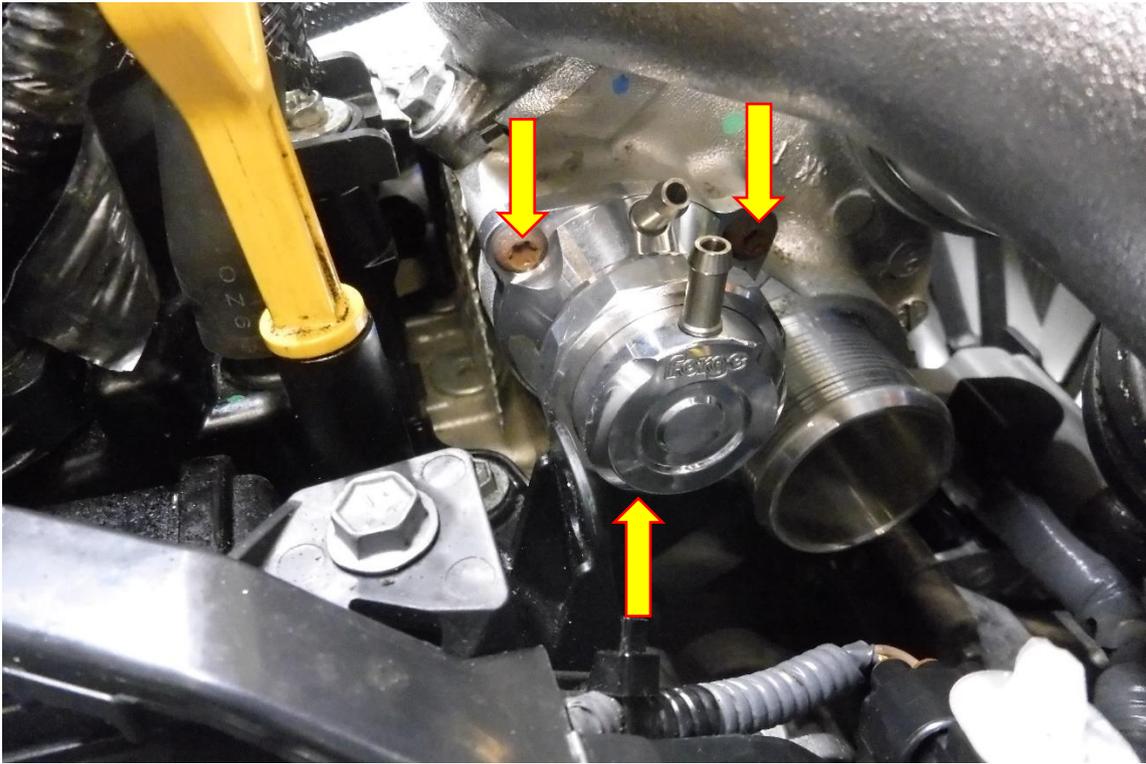
4. Using a T30 Torx and suitable drive remove the X3 fasteners attaching the original DV to the turbo.



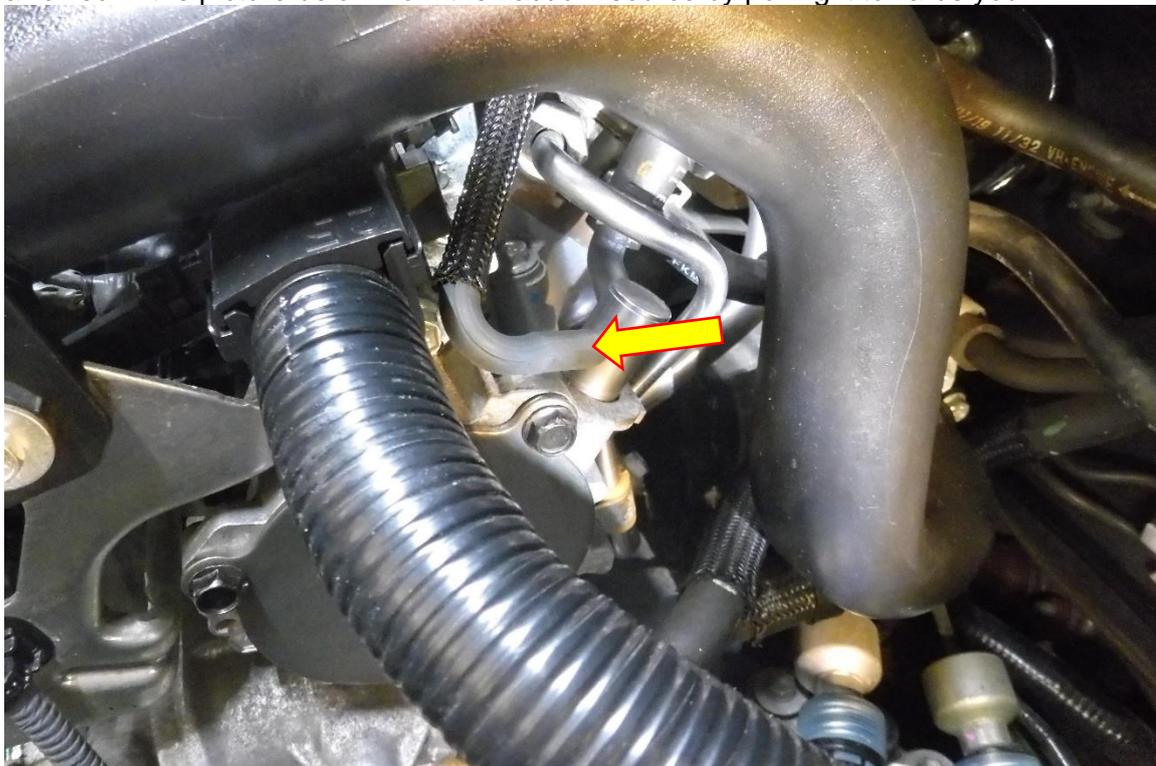
5. Fit the O-rings supplied with the FMDV47 kit to the Forge Motorsport valve as shown in the first picture below.



6. Mount the Forge Motorsport valve to the turbo in the same orientation as the picture and secure it using the original x3 fasteners with a T30 Torx and suitable drive.



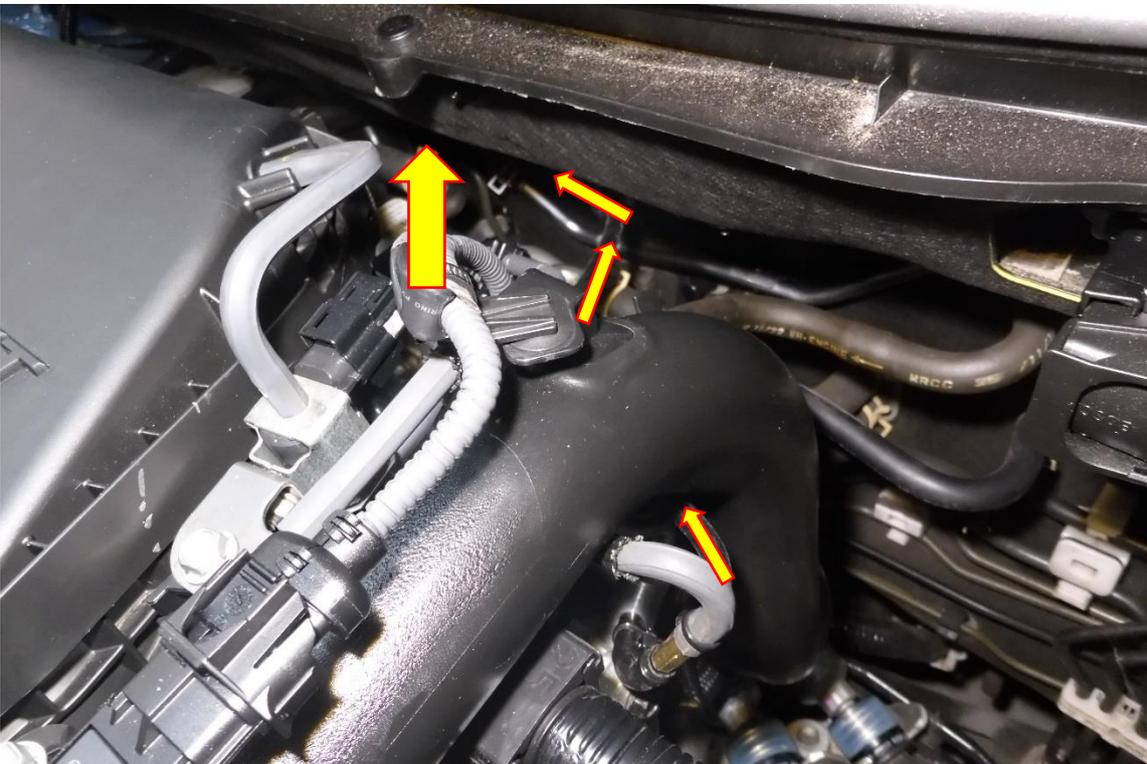
7. Locate the vacuum source which is at the back right of the engine. Disconnect the hose arrowed in the picture below from the vacuum source by pulling it towards you.

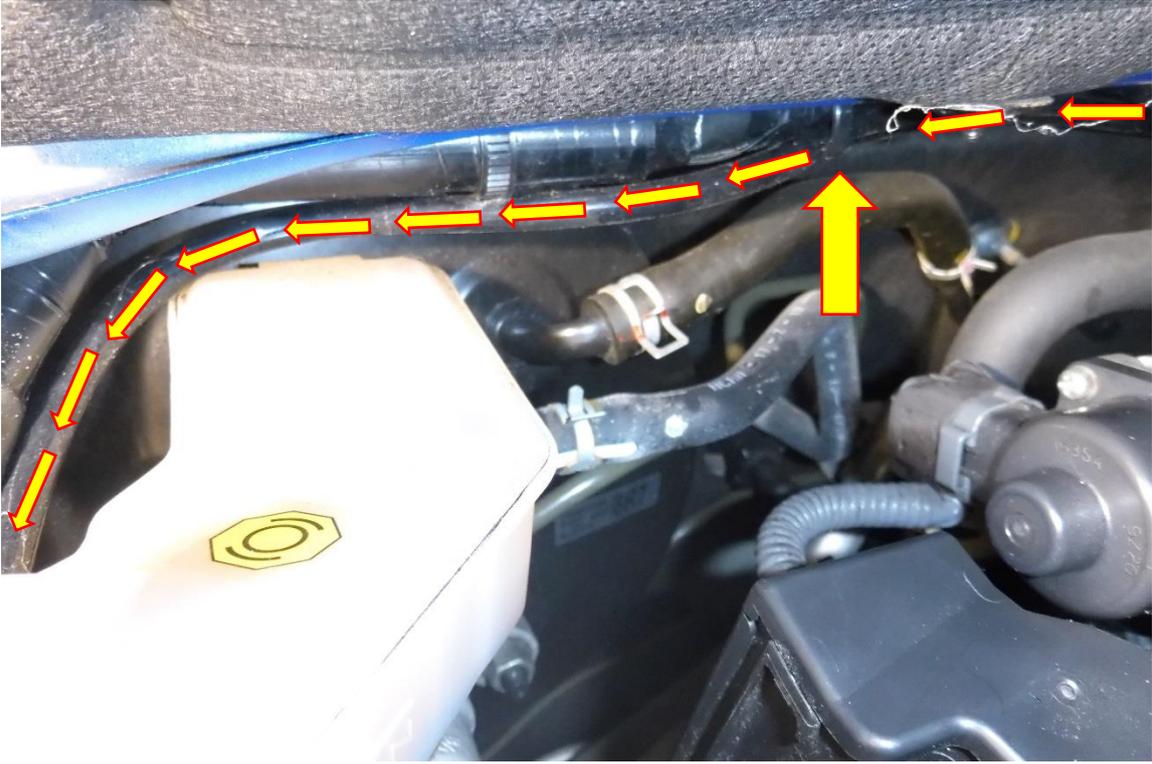


- Using some side cutters cut a small length of the supplied vacuum hose to size and fit the vacuum T piece as shown in the picture below. Secure the hoses with the supplied small cable ties.

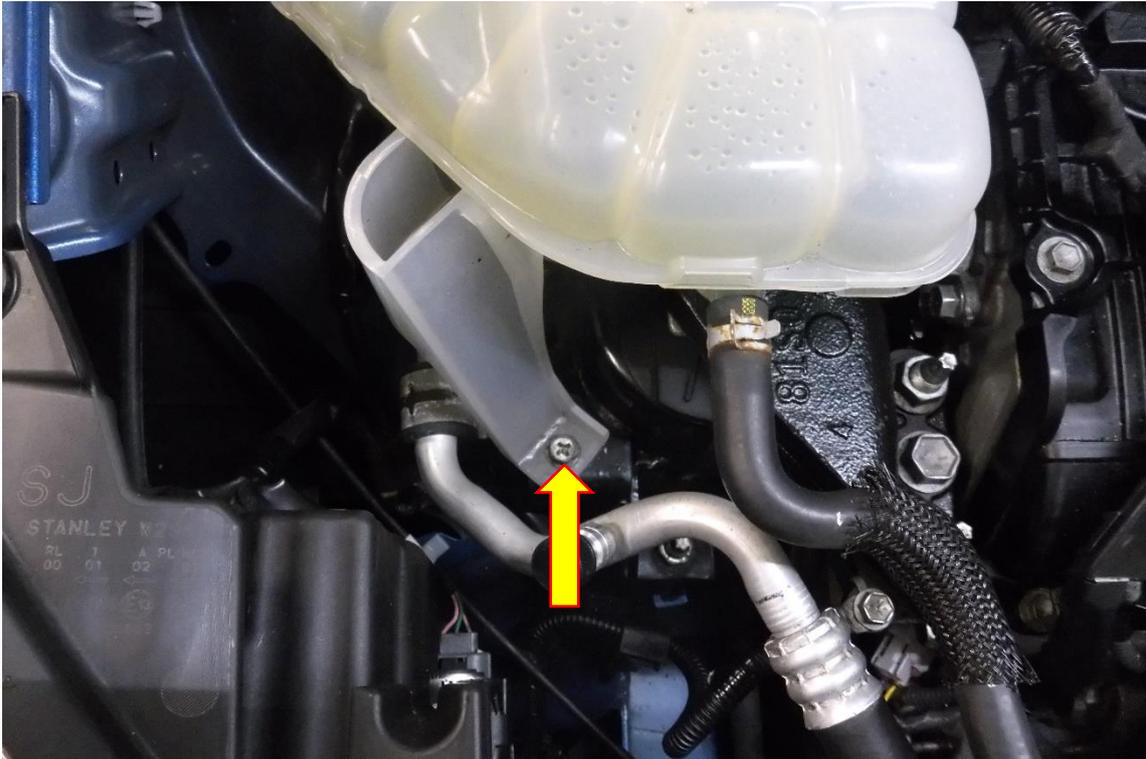


- Run the remaining vacuum hose along the back of the engine to the coolant tank, securing it to the bulkhead using the supplied cable ties at the points shown by the large arrows in the below images.





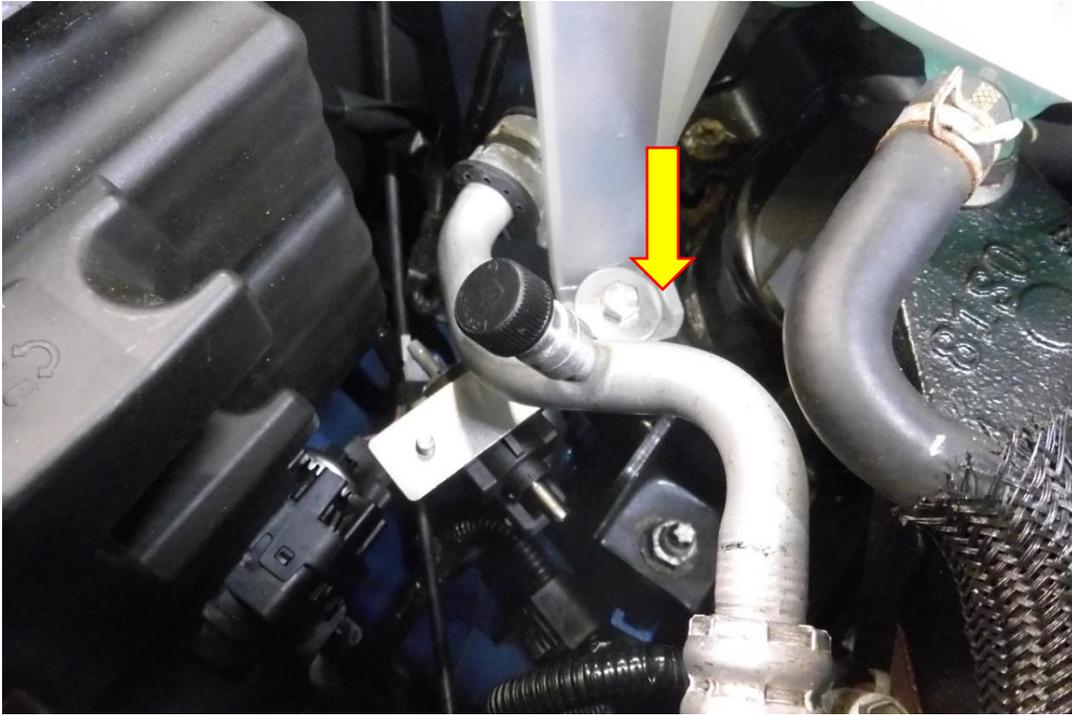
10. Using a 10mm socket, extension and suitable drive remove the M6 fastener attaching the lower coolant tank bracket.



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

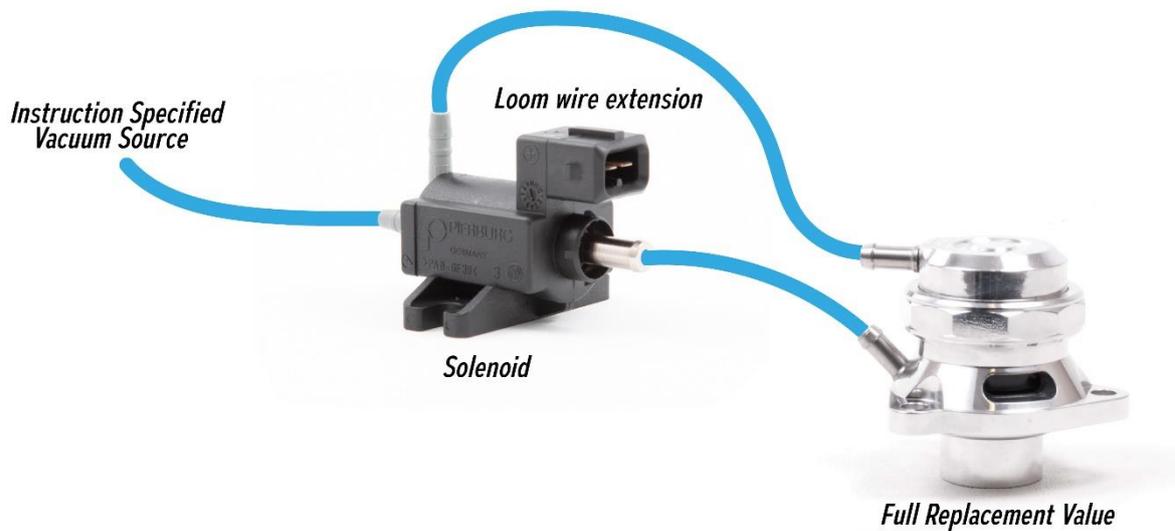


12. Mount the solenoid bracket to the lower coolant tank bracket in the orientation shown below. Using a 10mm socket and suitable drive attach the supplied M6 fastener and penny washer to secure both.



13. 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.

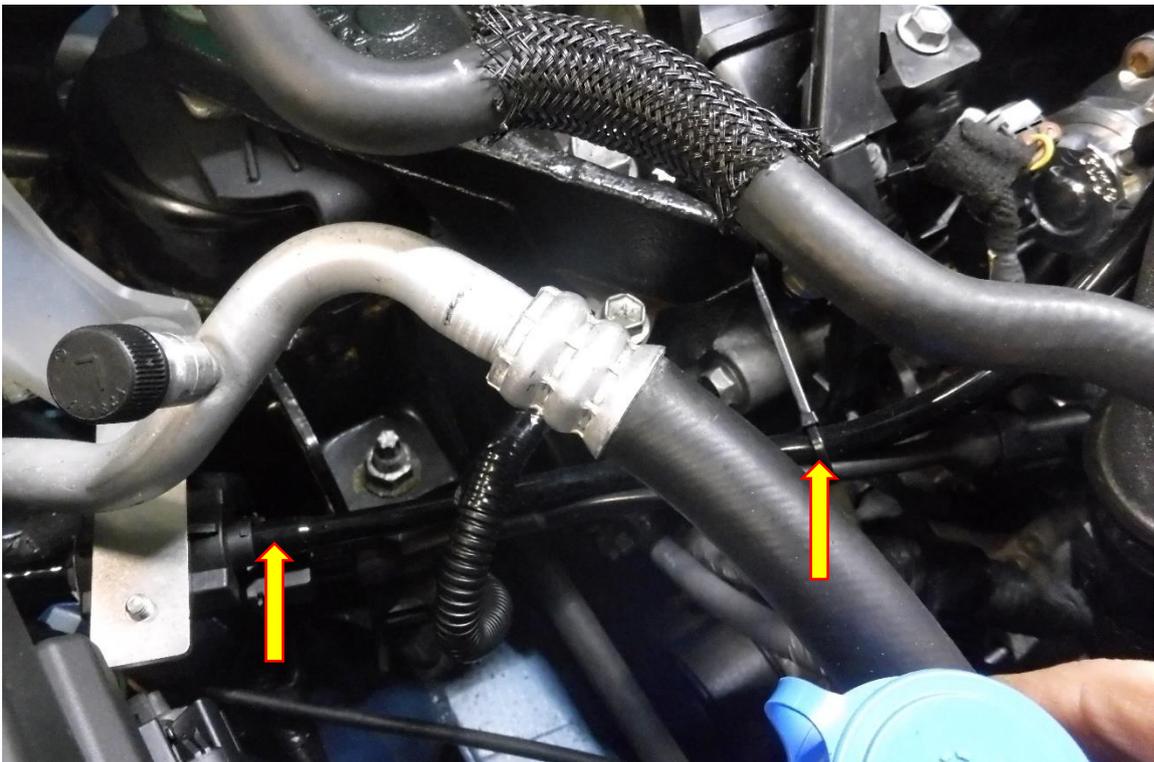
Overview of the vacuum hose routing



14. Plug the supplied wiring loom to the vehicle DV plug and the other end to the solenoid.



15. Using side cutters cut the vacuum hose to length and use the supplied cable ties to secure in place. Bunch up the vacuum hose and the wiring loom using the larger cable ties to neaten the install.





16. Re-fit the turbo elbow and oil breather to complete the installation of FMDV47. 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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