



## FMDV21 Fitting Instructions

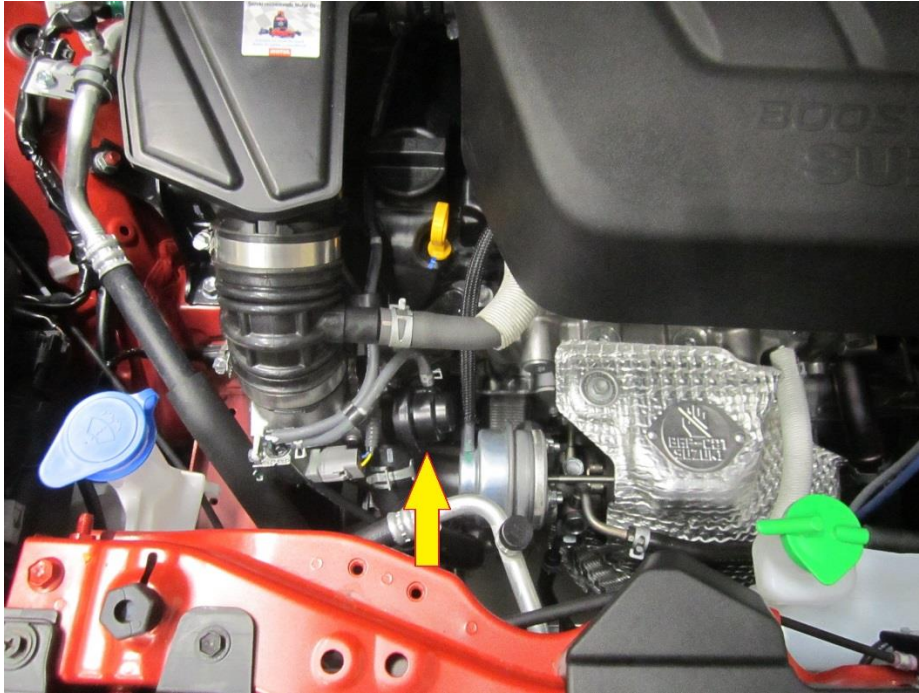


Please thoroughly read through and familiarise yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.

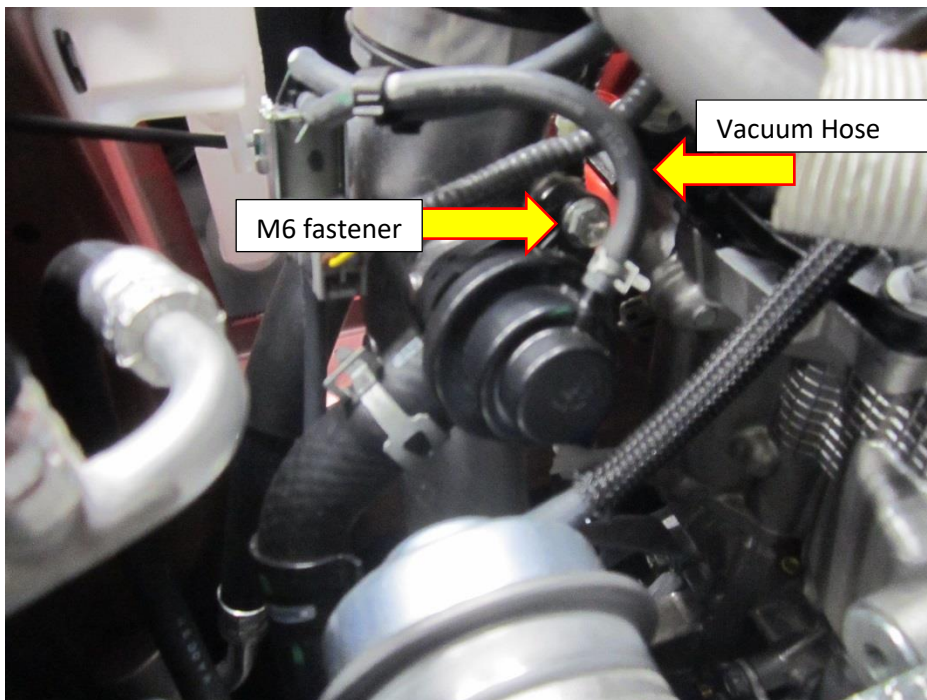
### TOOLS NEEDED:

- 10mm Spanner or Ratchet and Drive
- 5mm Allen key
- Flat blade screw driver/7mm ratchet
- Long nose pliers or hose clamp removal tool
- Side cutters

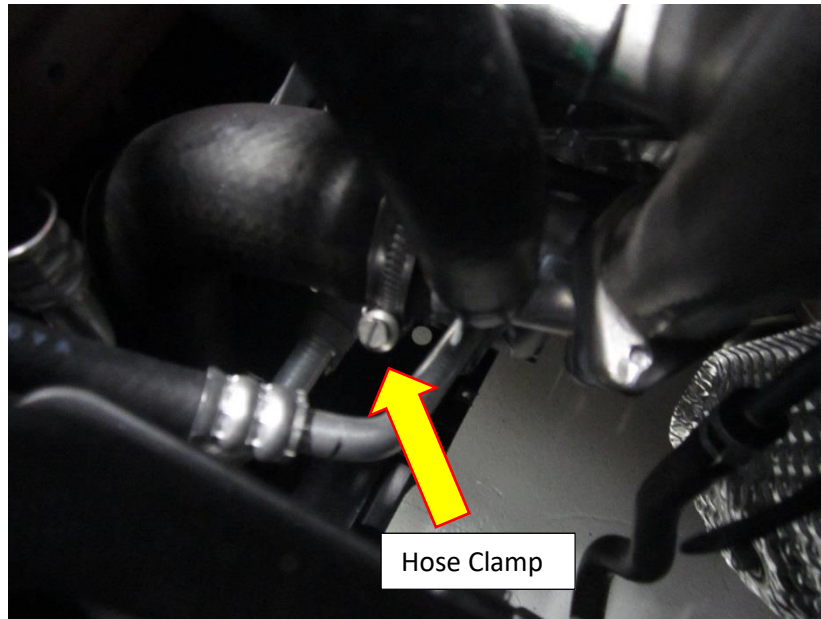
1. Open the bonnet and locate the original valve. You will find it at the front left of the engine bay when standing in front of the vehicle.



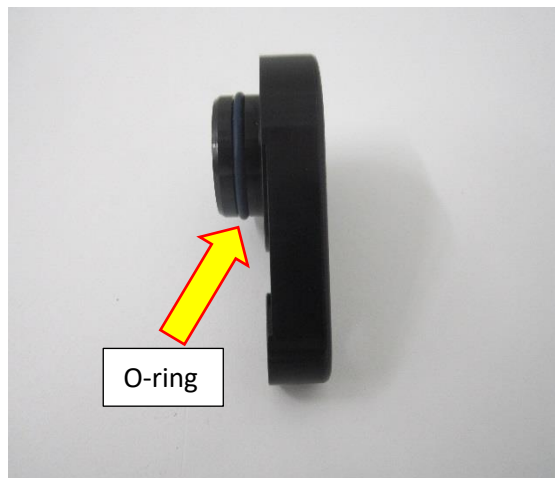
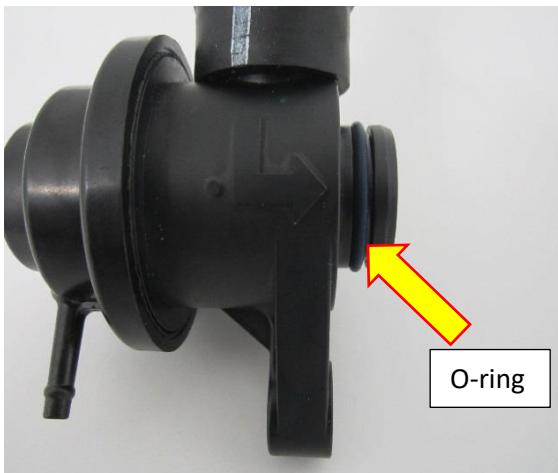
2. Unclip the vacuum hose clamp at the top of the valve then remove the vacuum hose from the valve, follow the hose to where it connects to the solenoid and remove it completely as you will be fitting a new hose later in the installation. There is an M6 fastener attaching the valve to the turbo elbow, undo this bolt to free the valve.



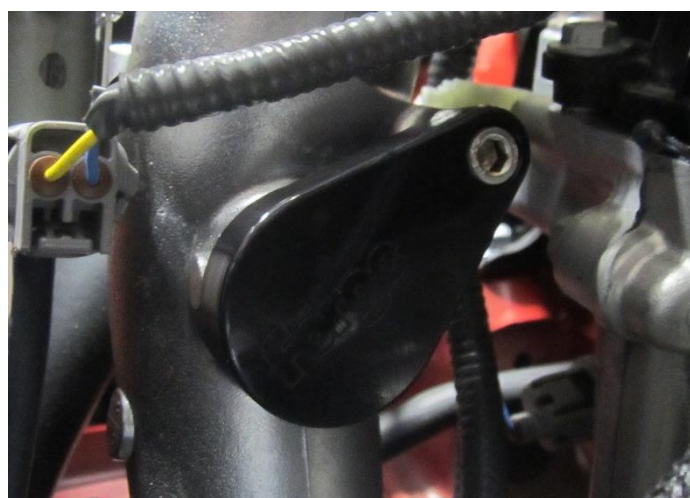
3. With the valve now unbolted from the turbo elbow. Follow the DV hose down the front of the engine bay. This hose is attached with a sprung hose clamp, undo this clamp with the use of long nose pliers or a hose clamp remover. Once the clamp is freed you will then be able to remove the hose and valve in situ.



4. With the valve off the car, remove the original O ring and fit it to the new Forge blanking plug.

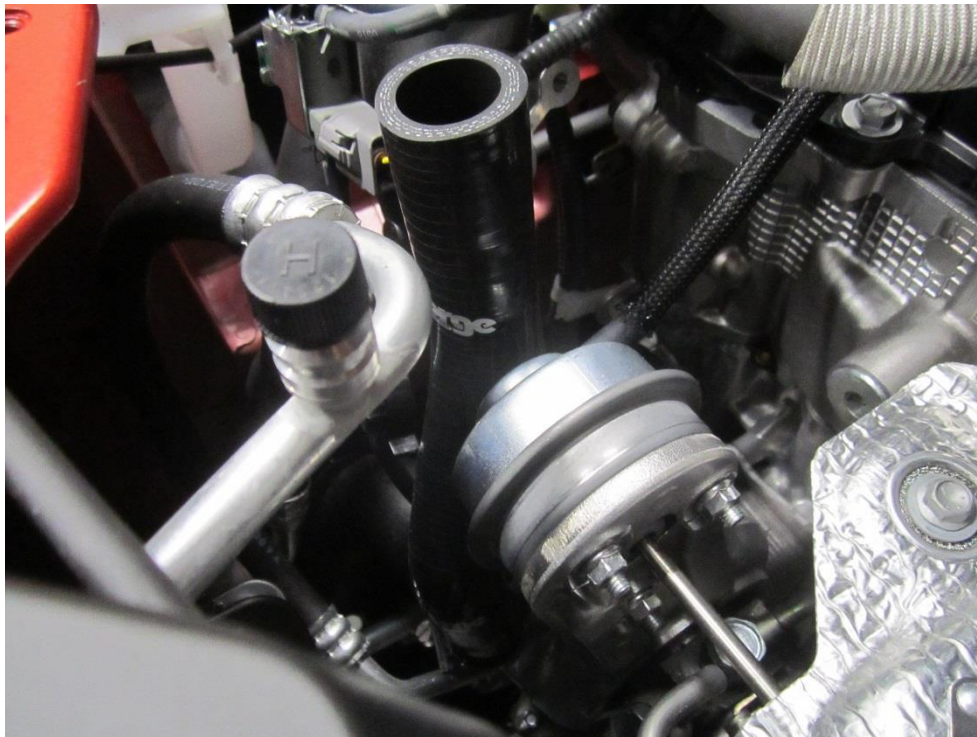


5. Using the supplied M6 x 20 allen cap bolt, attach the blanking plug where the OE valve used to be mounted.

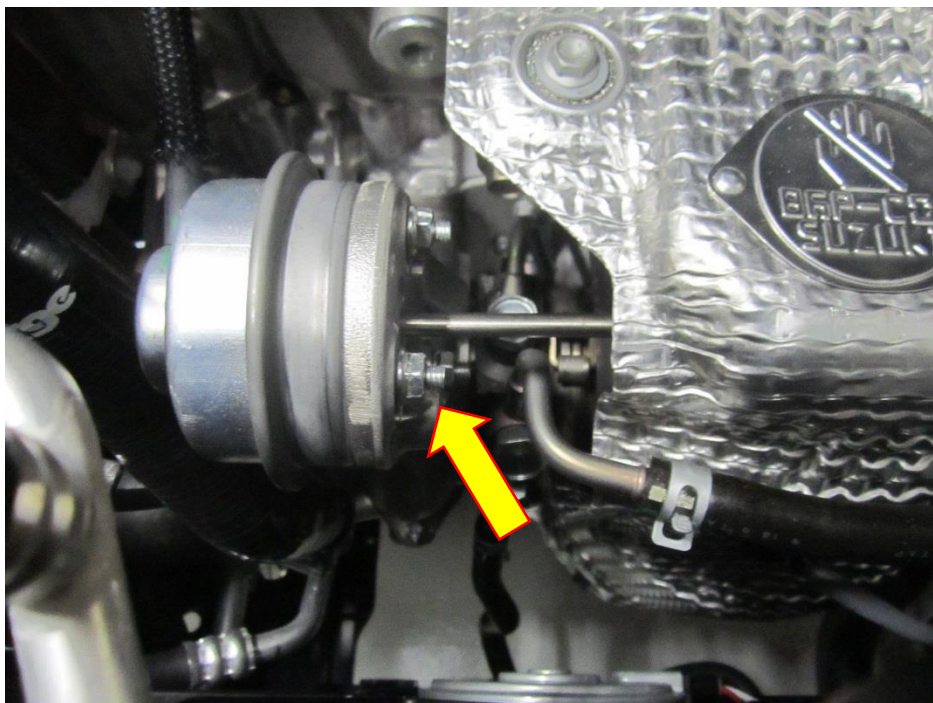




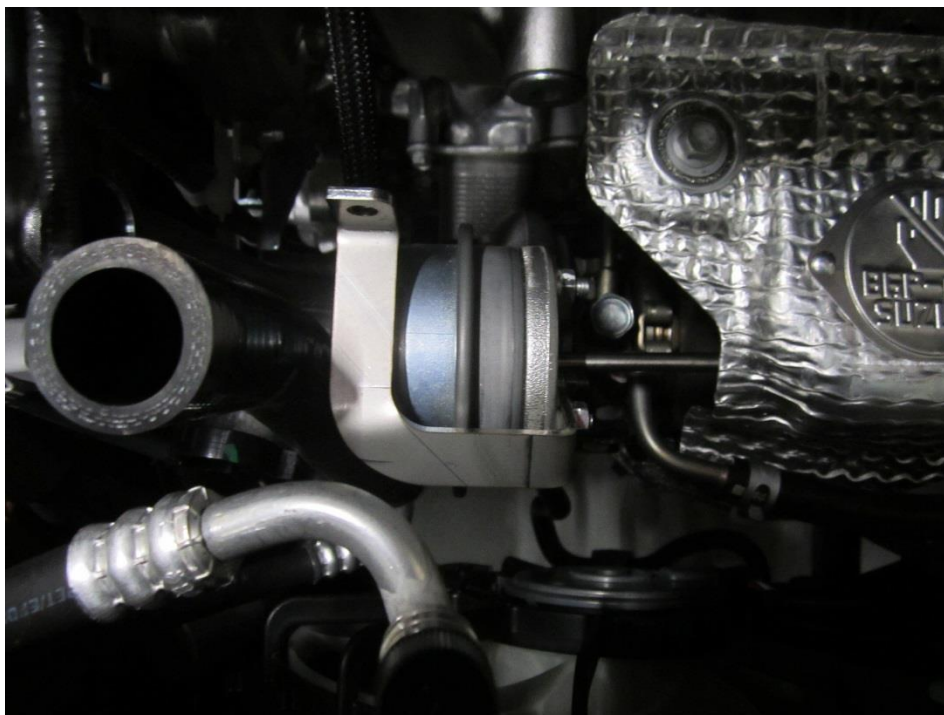
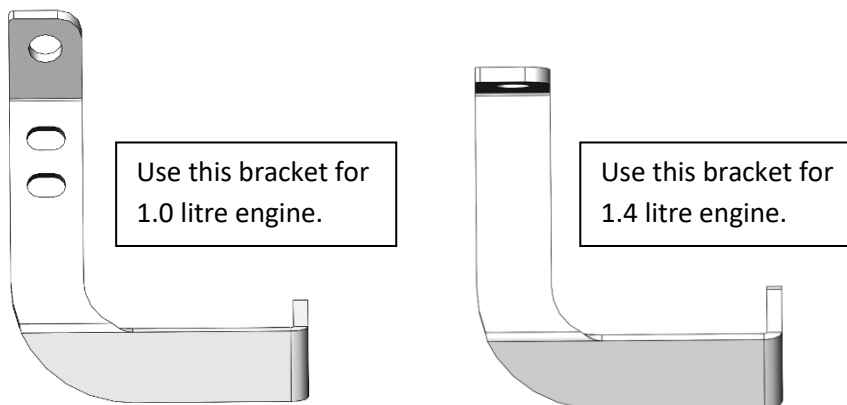
6. Now fit the silicone hose provided in place where the old hose used to be. Secure the bottom of the hose with the 16-27 hose clamp provided.



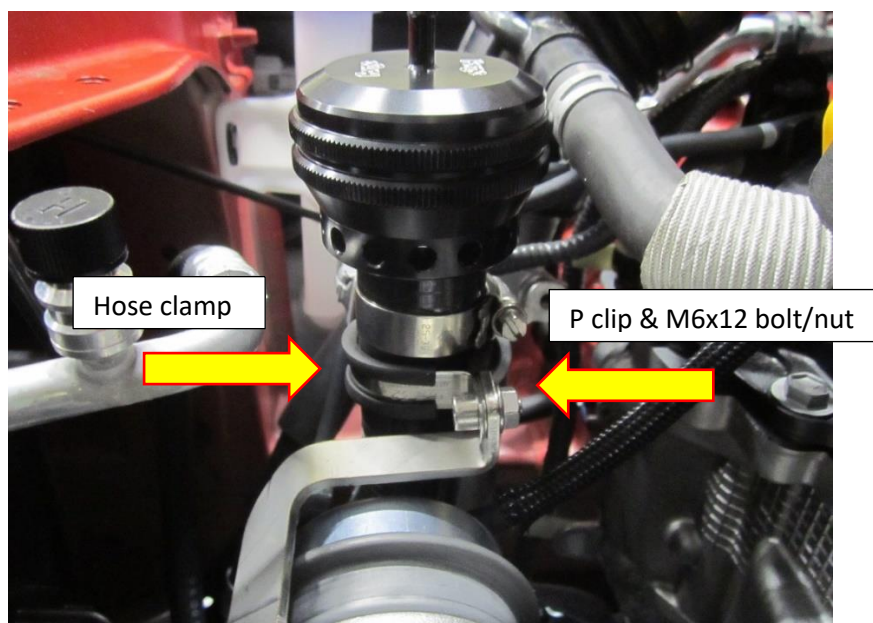
7. Locate the actuator and remove the M6 nut shown by the arrow in the picture below with the use of a 10mm spanner or ratchet drive.



8. With the nut removed you can now position the valve bracket and tighten the M6 nut back up to hold it in place.

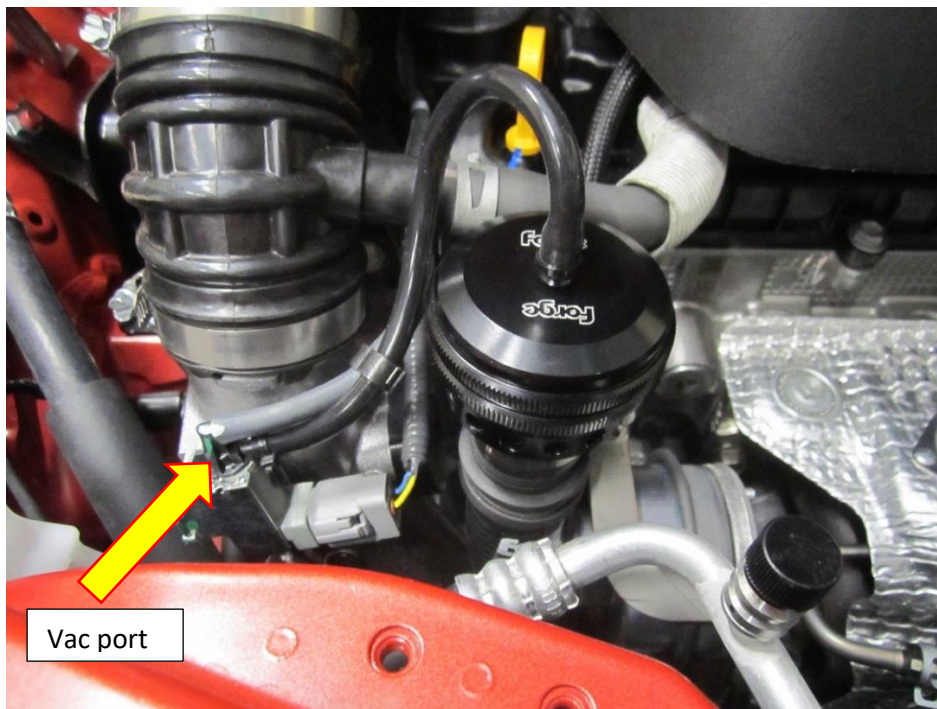


9. Using the P clip provided, place it around the silicone hose and attach it to the bracket with the M6x12 Allen cap bolt, M6 nut and washers provided. You will need an 5mm allen key and 10mm spanner or ratchet to do this. Once done you can now fit the Forge valve to the hose, first place the 20-32 hose clamp around the hose loosely, then push on the valve and tighten the hose clamp with a 7mm socket and ratchet drive or flat blade screw driver to hold the valve in place.





10. Finally, you just need to connect the new silicone vacuum hose, to do this simply push the one end of the vac hose on the solenoid (where the original vac hose used to be). Now run the hose to the vac port on the valve, cut it to the correct length and secure in place with the cable ties provided.



11. Your installation is now complete, take your car for a test drive and enjoy your new Forge Motorsport product.



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