



BMW N20 ATMOSPHERIC AND RECIRCULATING DUMP VALVE FITTING INSTRUCTIONS



TOOLS NEEDED:

T20 Torx drive

M8 Flexi drive screwdriver

M6 Allen key

1. Locate your MAF sensor which is mounted on the rear of the air box.



2. Disconnect your wiring loom by pushing together the tabs on the plug and pull gently.



3. Now using your hose clamp driver, undo the hose clamp that holds the induction hose to the airbox.



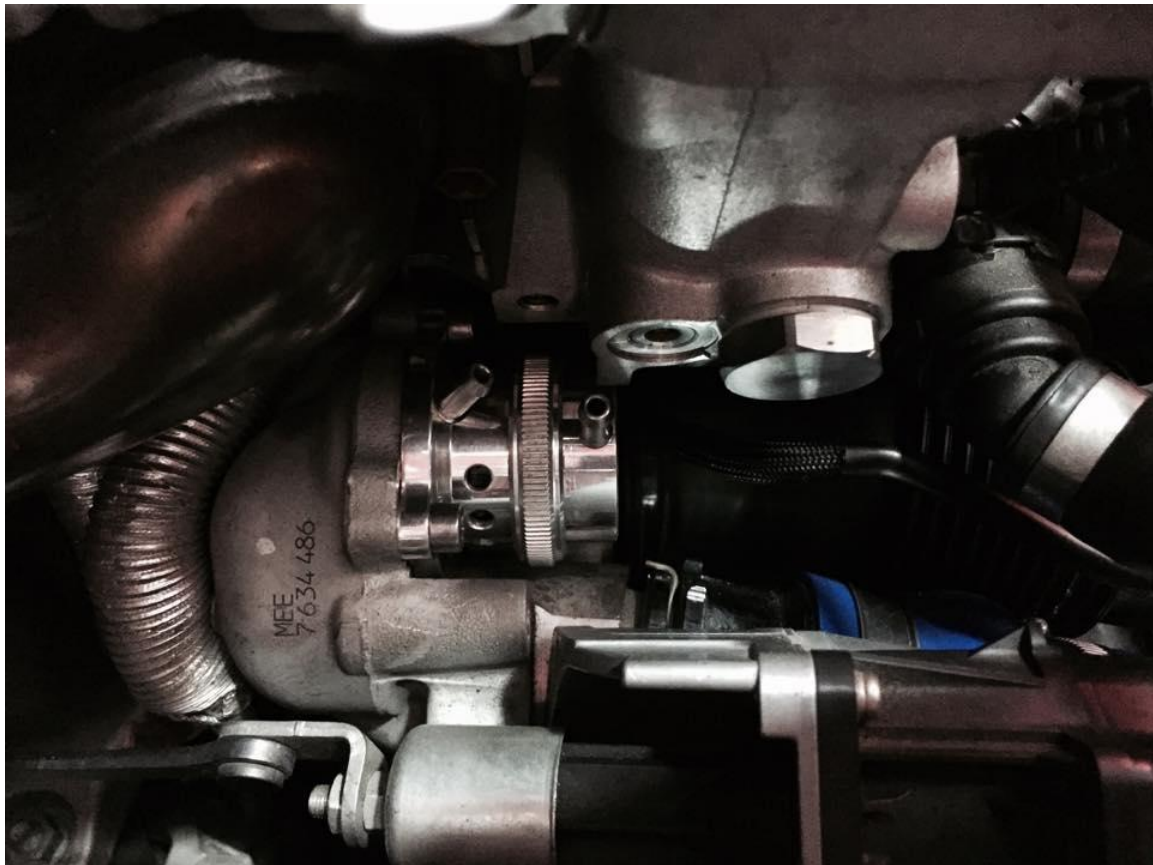
4. You can now remove your airbox by pulling upwards sharply. Spraying a small amount of silicone spray or suitable lubricant on the rubber grommets will make these easier to remove.



5. Now locate your vehicles stock blow off valve.



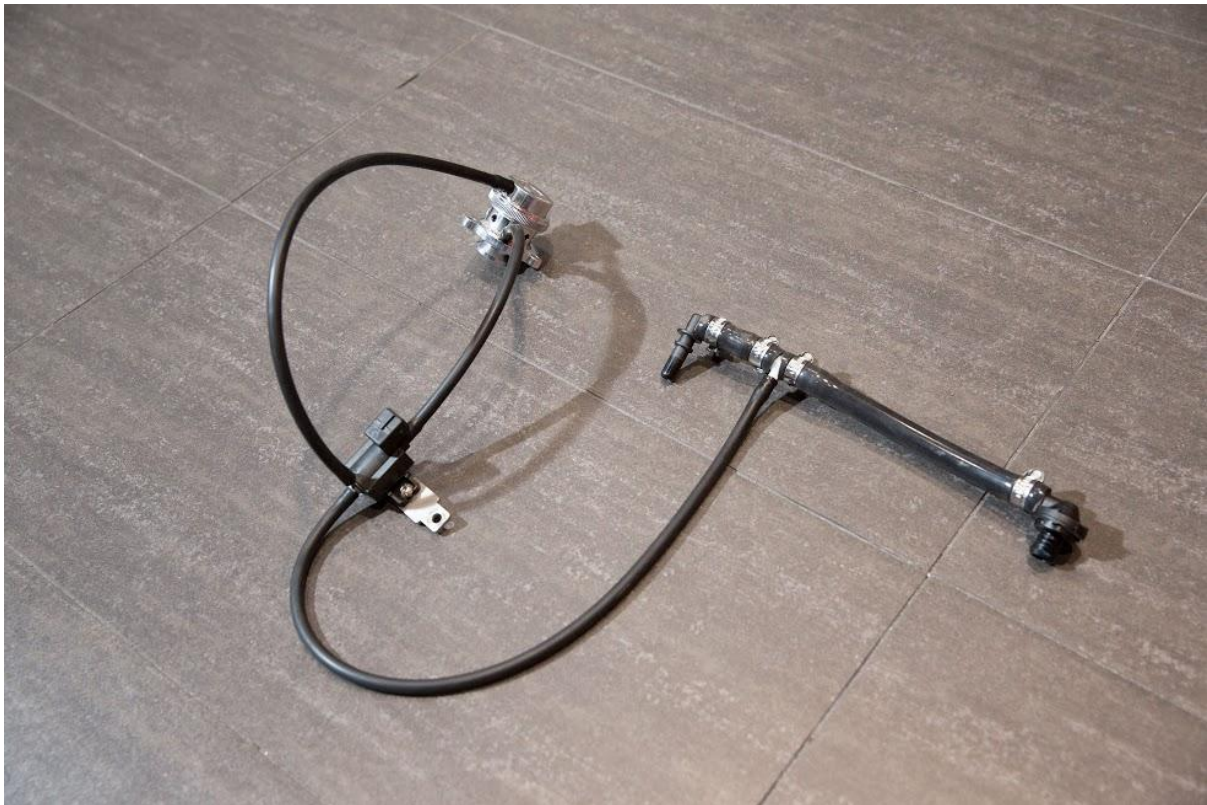
6. Using your 6mm Allen key remove the 3 fasteners that hold the OEM valve in position. Replace with the Forge Motorsport valve making sure the o-rings are in position.



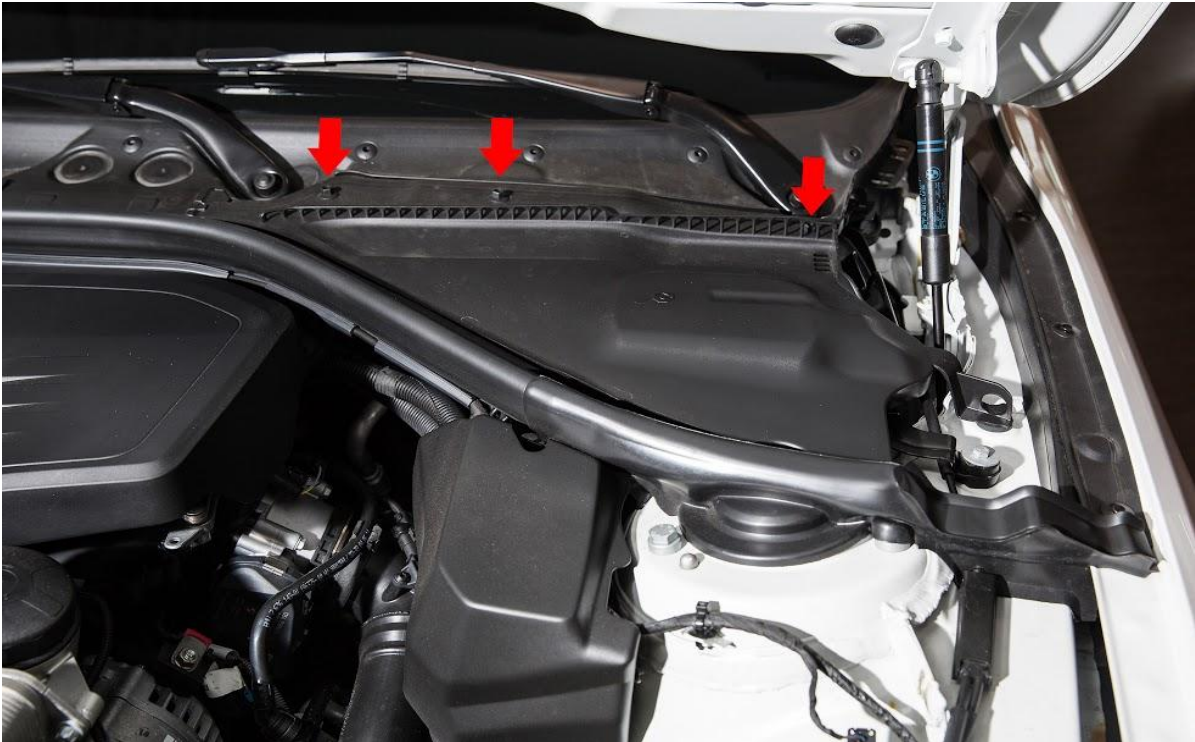
7. Now mount the solenoid provided with your Forge Motorsport BOV kit.



8. The next picture shows you the correct positions of the vacuum hoses.



9. Now locate your vehicles Brake Servo which is located beneath this panel on LHD car, and the opposite panel on RHD cars. Using a 10mm spanner undo the fasteners that hold this cover in place and remove.



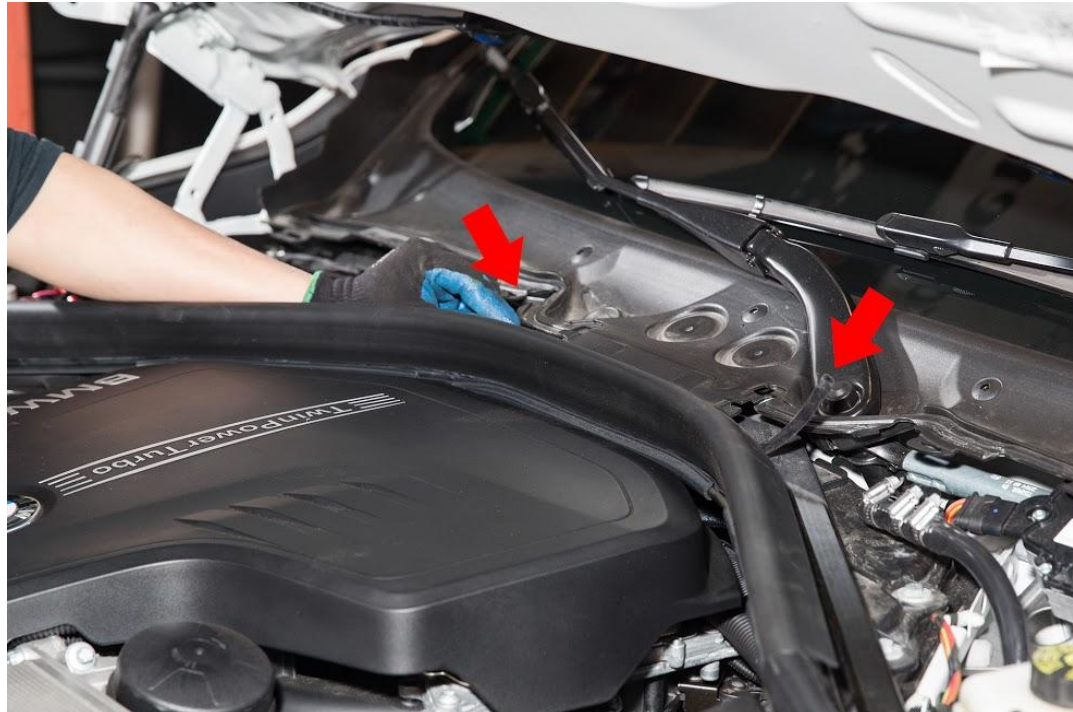
10. Remove the opposite panel also for LHD cars only.



11. Now route your vacuum line to the brake servo location, for RHD cars you only need to route the vacuum hose this far.



On LHD cars, continue to route the vacuum line across the car



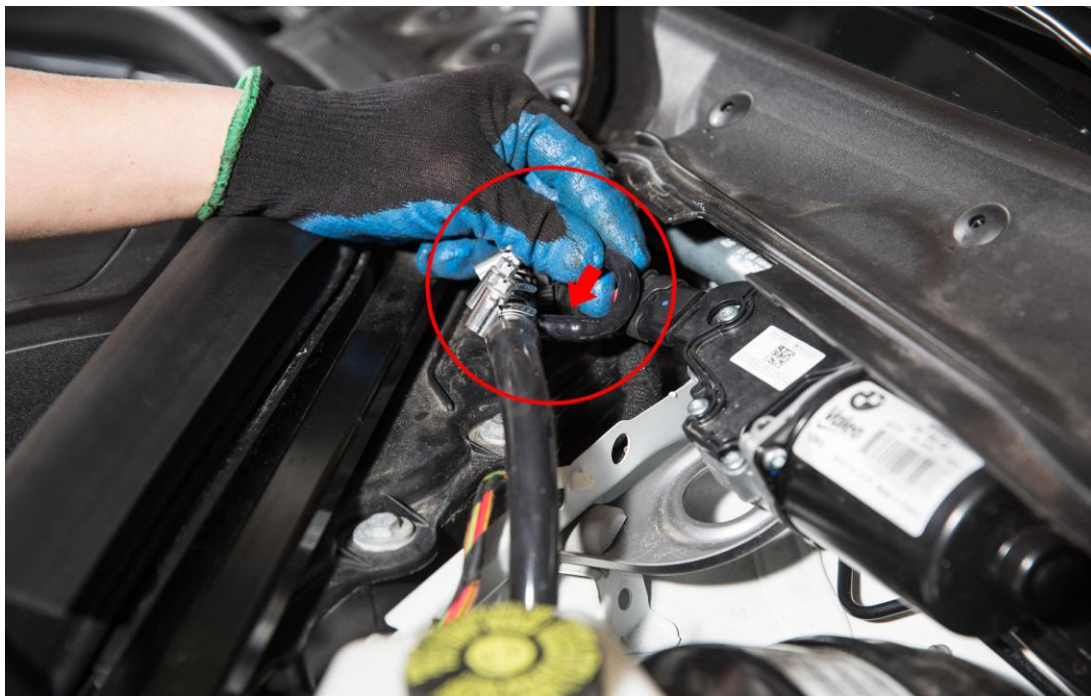
12. For both LHD and RHD cars, remove the OE vacuum line that connects to your brake servo by pushing in the tabs on the clip on the one end and simply pulling out the other end from the rubber grommet where it meets the servo itself.



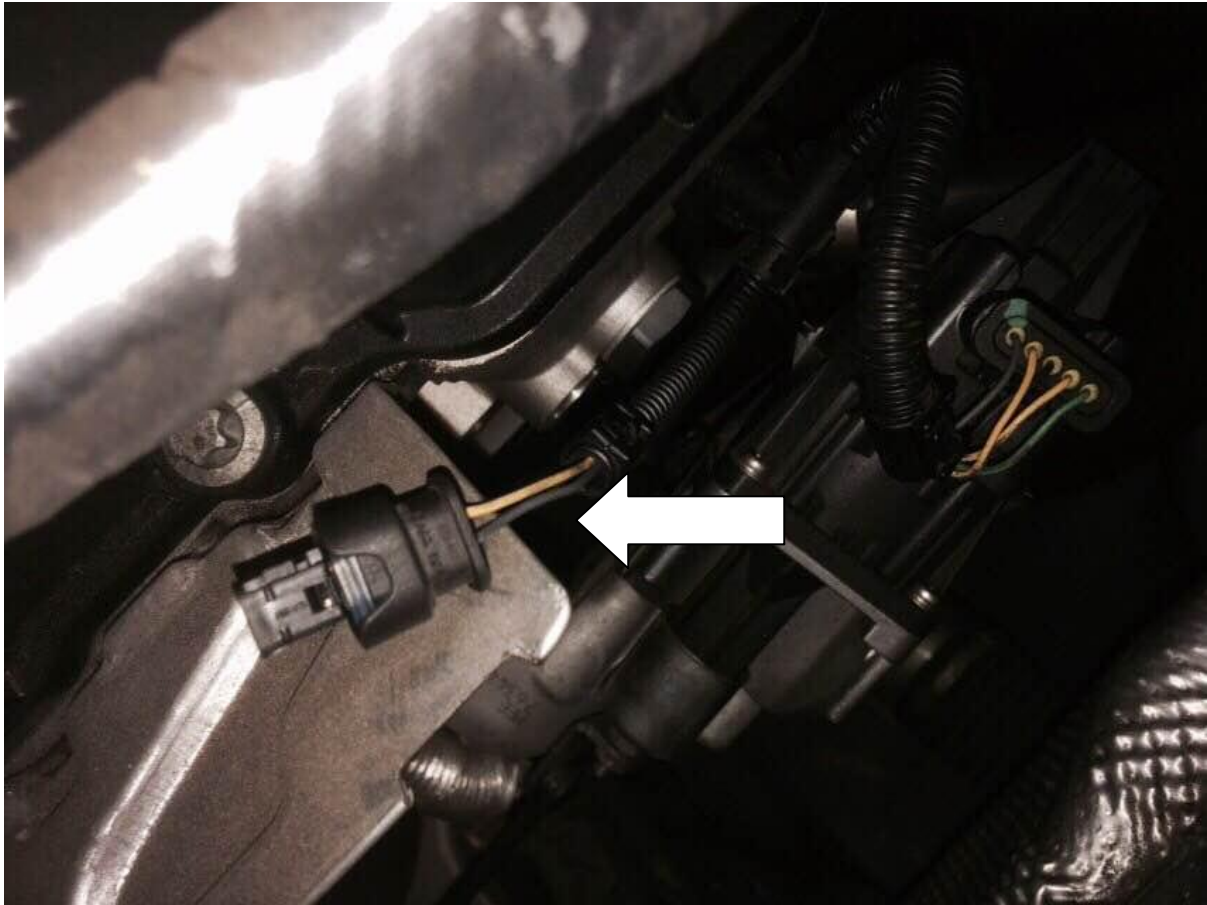
13. Once this has been removed pull the ends out of the OE hose and replace with the forge vacuum line and T-Piece as pictured. **Please do not over tighten the jubilee clips as this will crush the end fittings and T-Piece.**



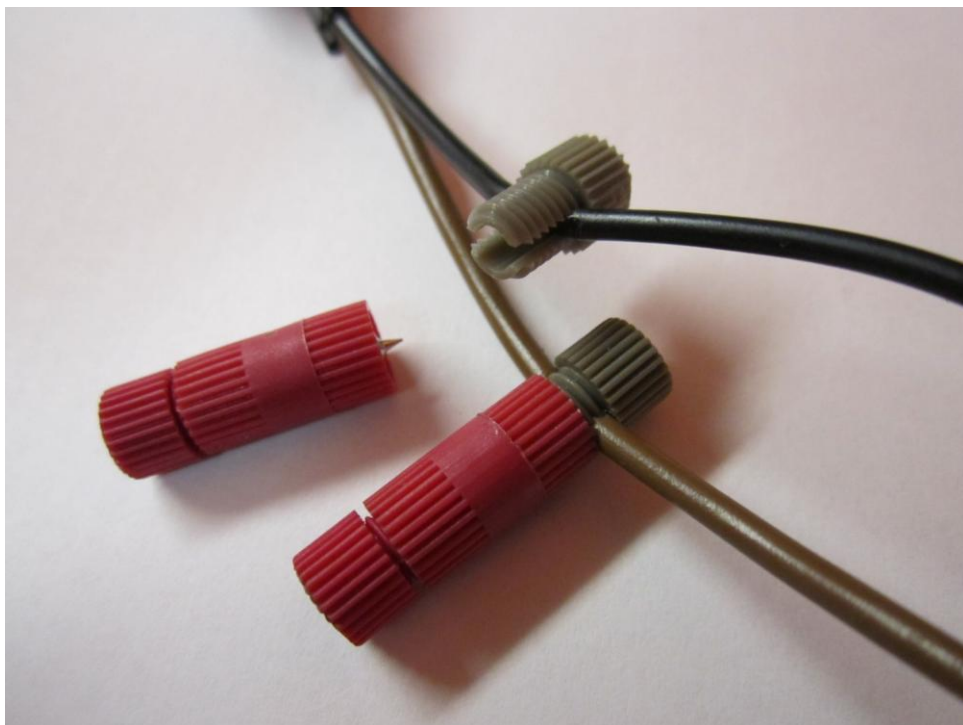
14. Now place the forge hose and T-Piece into the OE hoses position making sure both ends are inserted fully. Connect the smaller piece of vacuum hose from the new BOV into the T-Piece .Please ensure that this brake pipe is inserted fully at both ends,Failure to do so could result in brake failure.



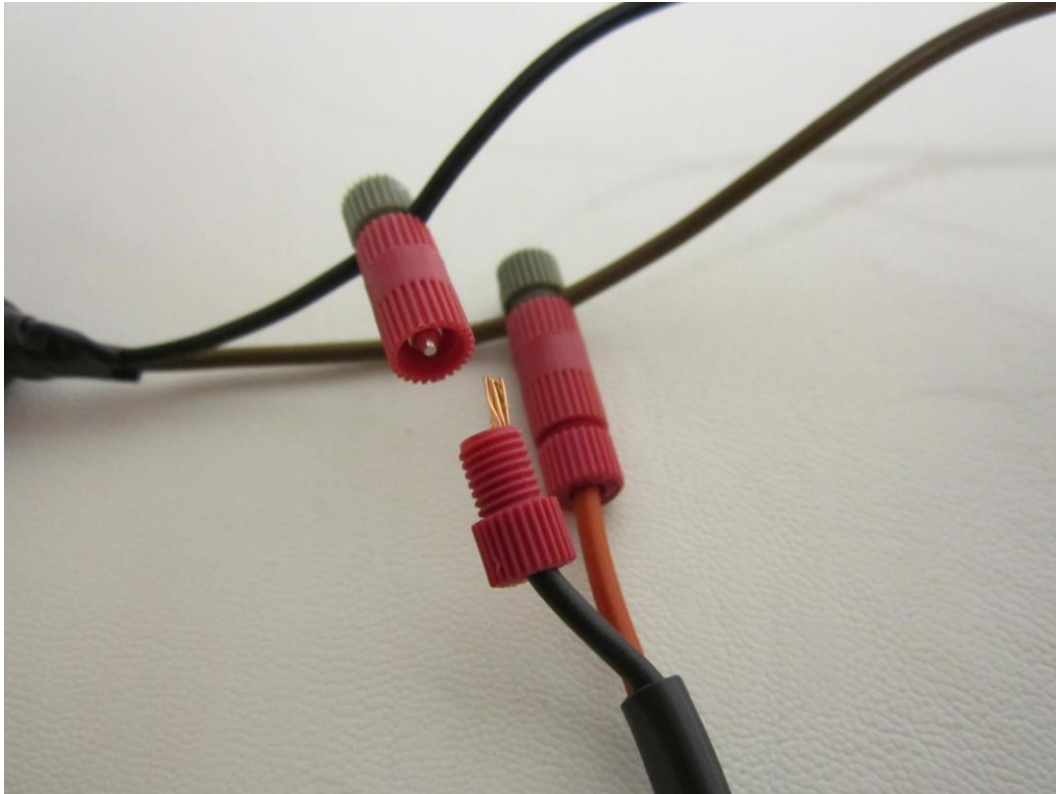
15. To finish the install you must connect the Forge Motorsport wiring loom from the solenoid to the OE valves wiring loom using the posi locks provided.



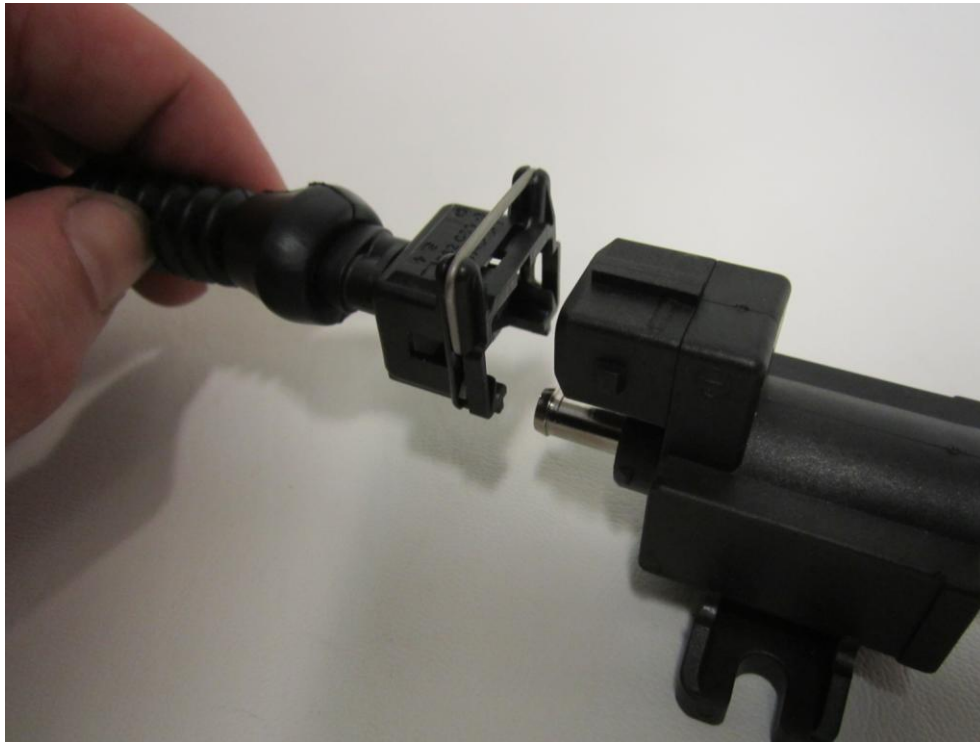
16. Using the grey end on the posi lock connect the posi lock to the OE wiring loom .



17. Now unscrew the opposite end of the posi lock and insert the pig tail from the forge wiring loom through the end then screw into position as pictured .



18. Now connect the wiring loom to the forge motorsport solenoid making sure you push together fully , You will hear a click when inserted fully .



19. Once this is completed, follow step 1-10 in reverse order to reassemble your vehicle .
Your vehicle is now ready for a test drive.

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