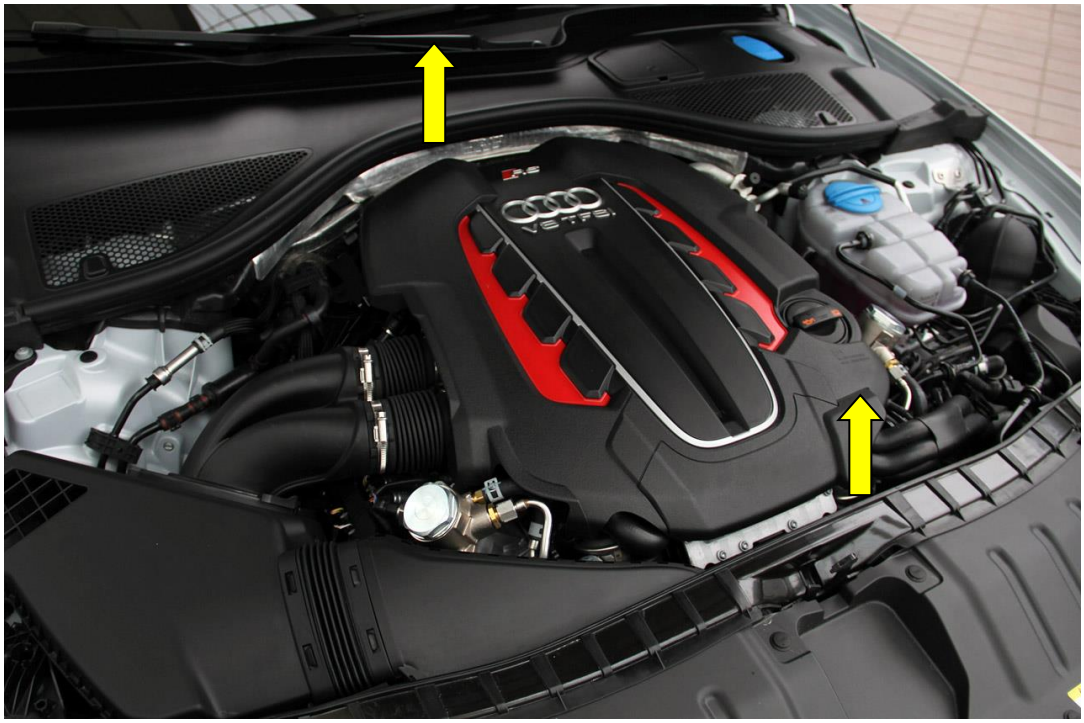
AUDI RS6 C7
ATMOSPHERIC OR RECIRCULATING VALVE INSTALLATION

TOOLS NEEDED:

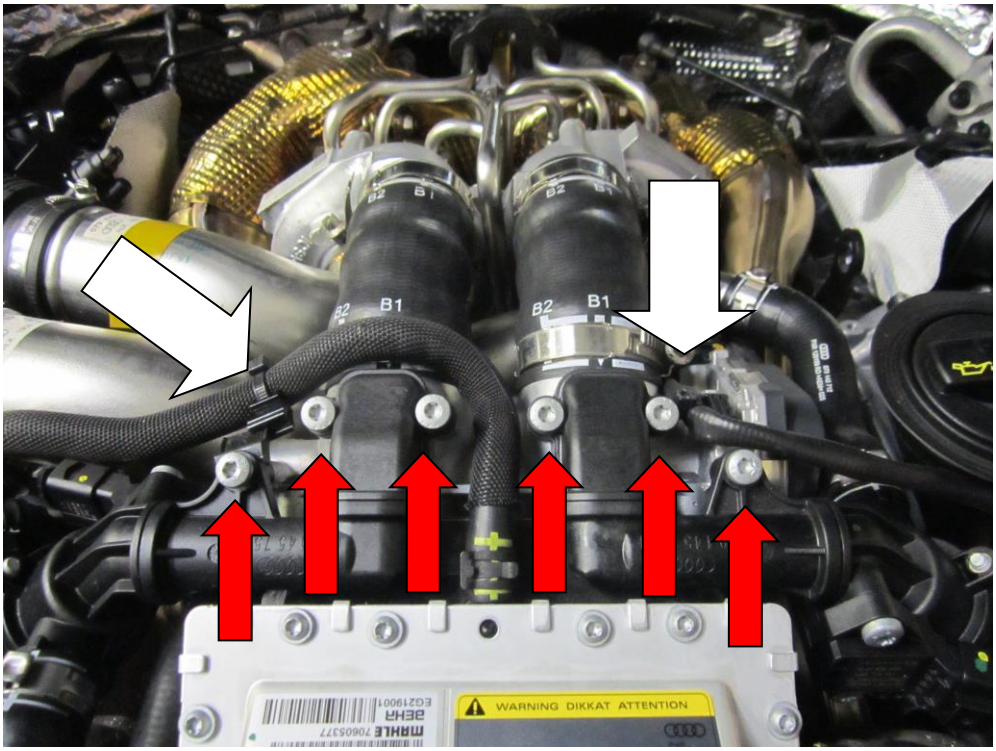
Torx Drive: T30

Sharp knife or scissors

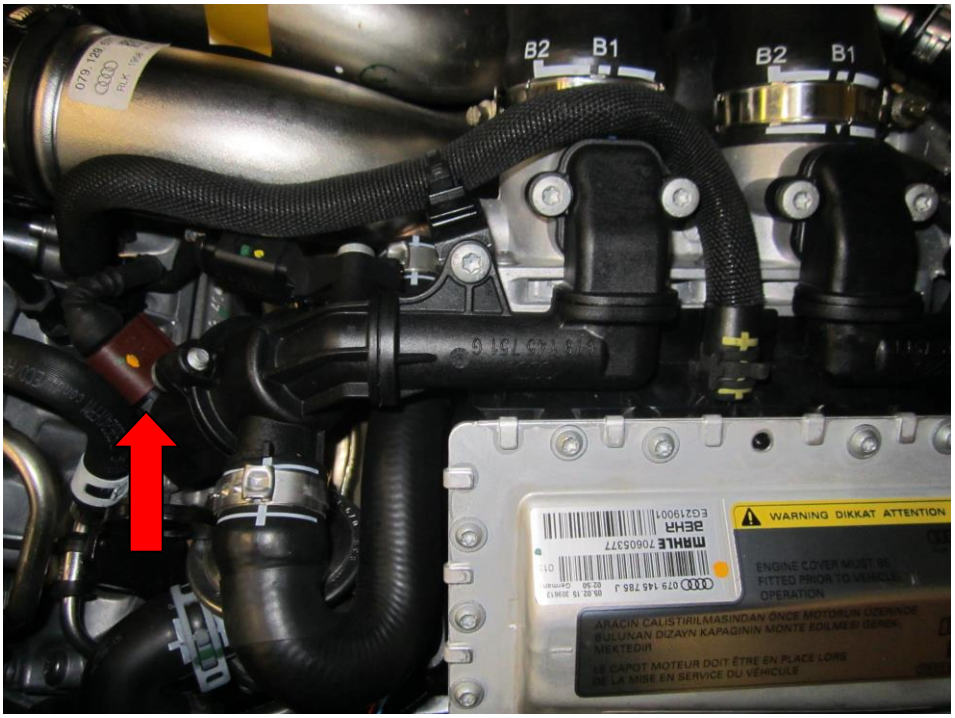
1. Remove the engine cover by pulling sharply in an upwards motion.



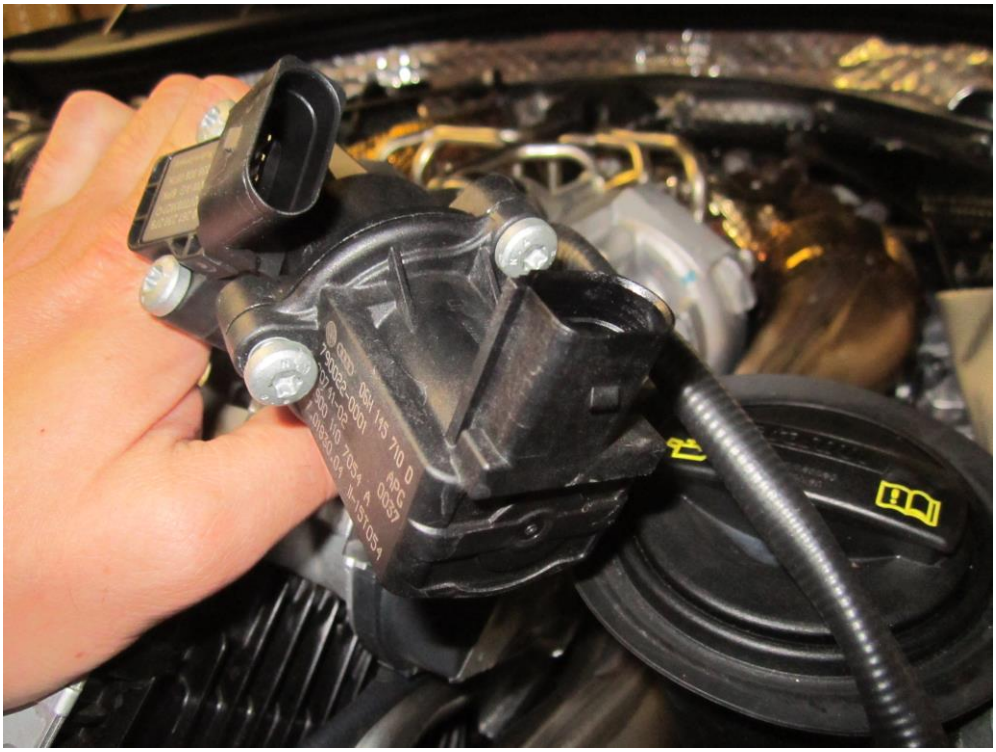
2.Using a flat bladed screwdriver pry off the clip that holds the water pipe from the charge cooler to the dump valve housing, then undo the 6 T30 fasteners arrowed red.



3.Disconnect the wiring loom to each OEM valve, these are both brown plugs.



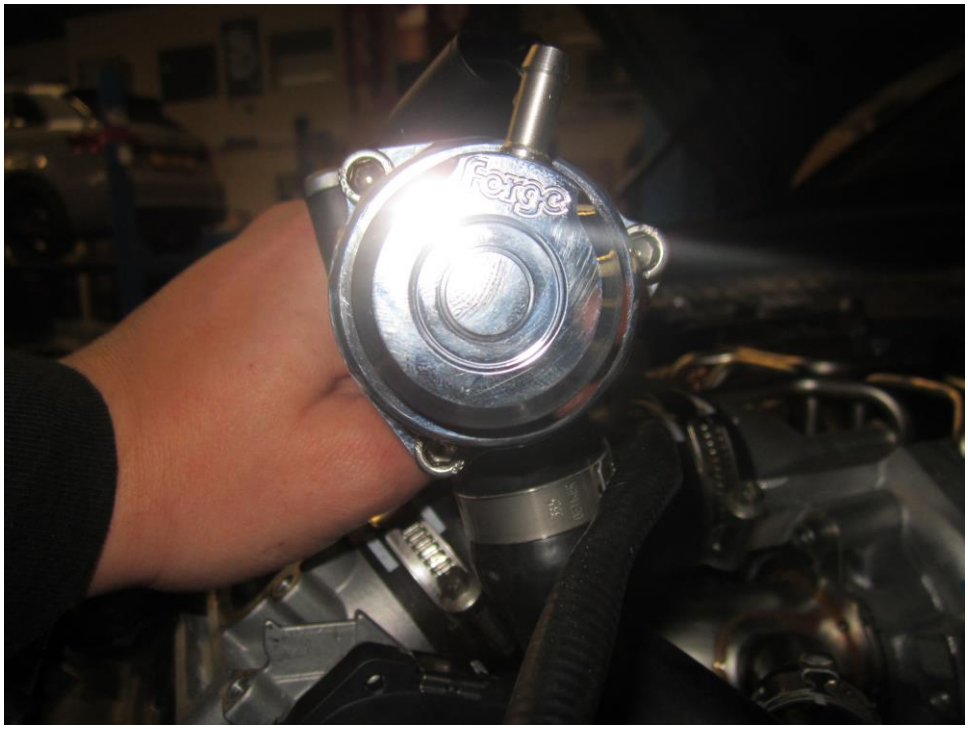
4. Using a T30 Torx Driver, remove the 3 fasteners from each OEM valve, then remove them from their housing.



5. Before mounting the Forge Motorsport valves into position, ensure the o-rings supplied are pushed fully into the lower part of the valve. Failure to do this will stop the valve from working correctly.

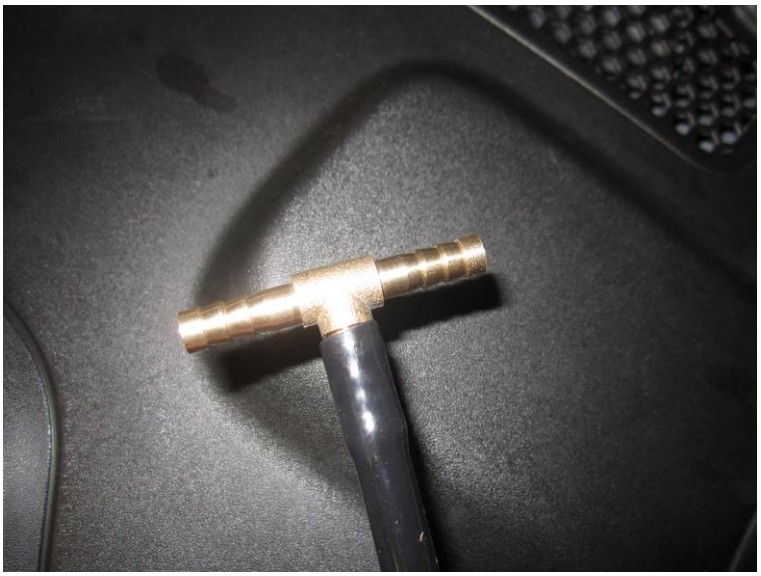


6.You can now fasten the Forge Motorsport valves to the housings again using your T30 Torx driver. Please note the orientation of the valve.

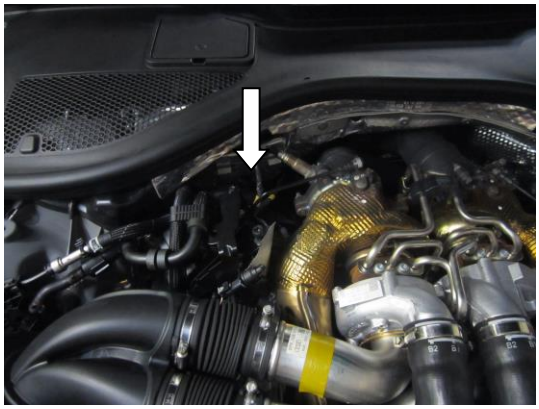


7.Follow step 2 in reverse order to remount the valves.

8.Now insert one of the brass T-pieces(5mm or 6mm which ever fits more firmly as these vary slightly between models) into the end of the silicon vacuum pipe provided.



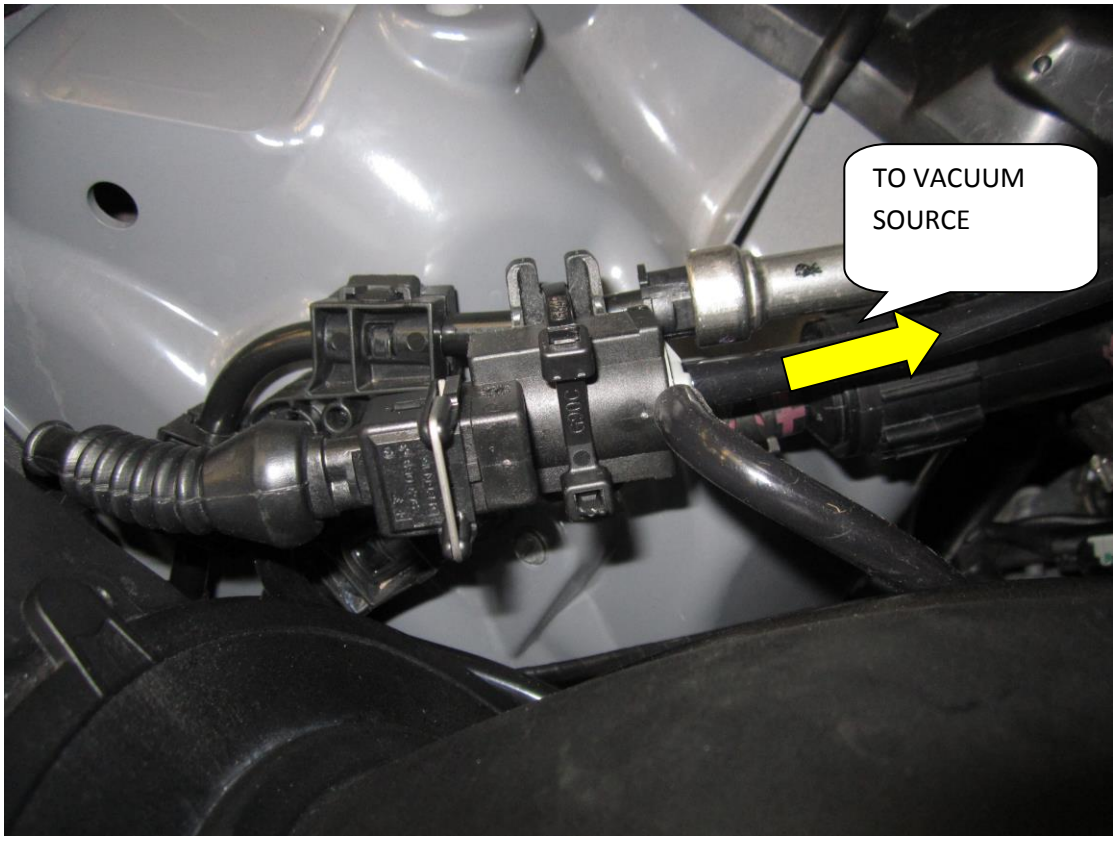
9. Locate your vacuum pump, this is attached to your engine block beneath the arrow in the first picture.





10. You must now cut the vacuum pipe in picture two and insert a brass T-piece with the silicon vacuum pipe connected.
11. We found the best place to locate your solenoid shown below - simply use the long tie clip provided and fasten into position. Note the orientation then cut the silicon vacuum pipe from your vacuum source to length and connect to the horizontal plastic connection of the solenoid as shown below.

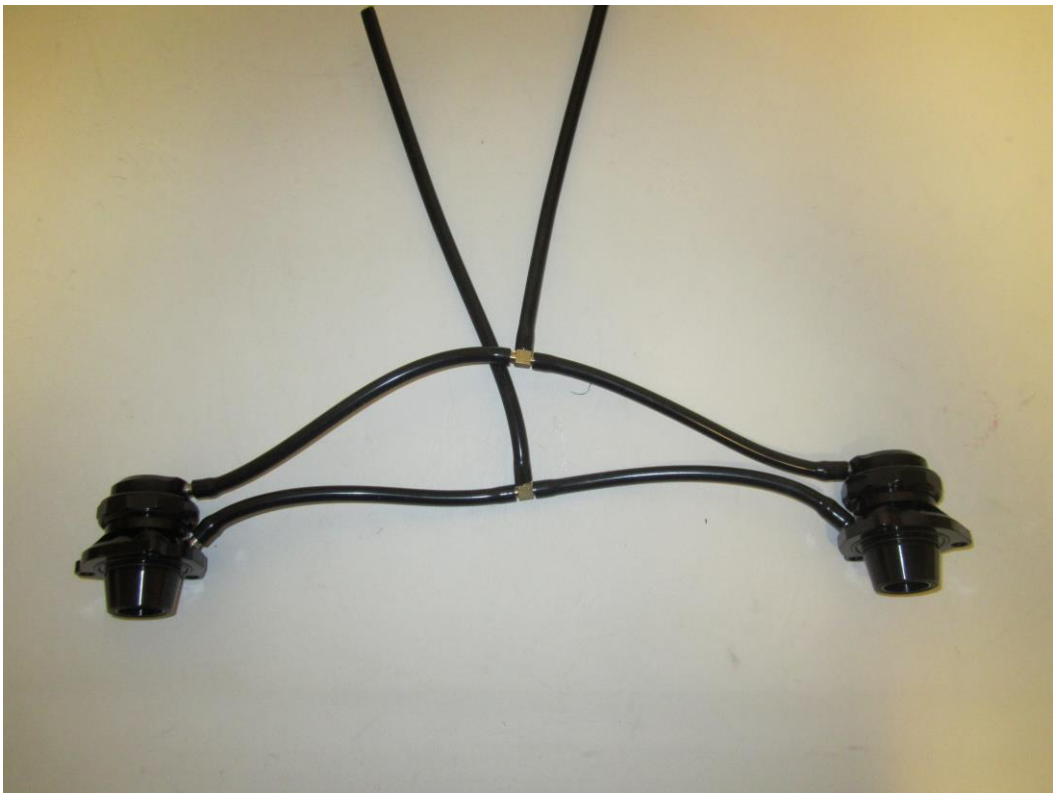




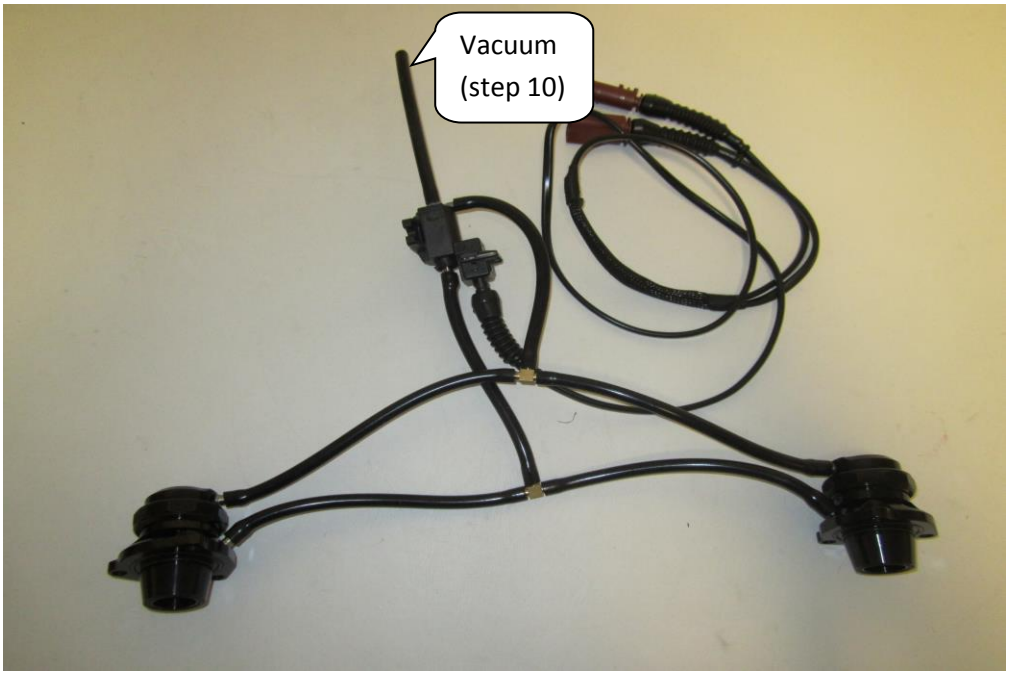
12. Now your valves are in situ, using two suitable lengths of silicon vacuum tubing, connect both the lower nipple and upper nipple of each valve together as pictured below.



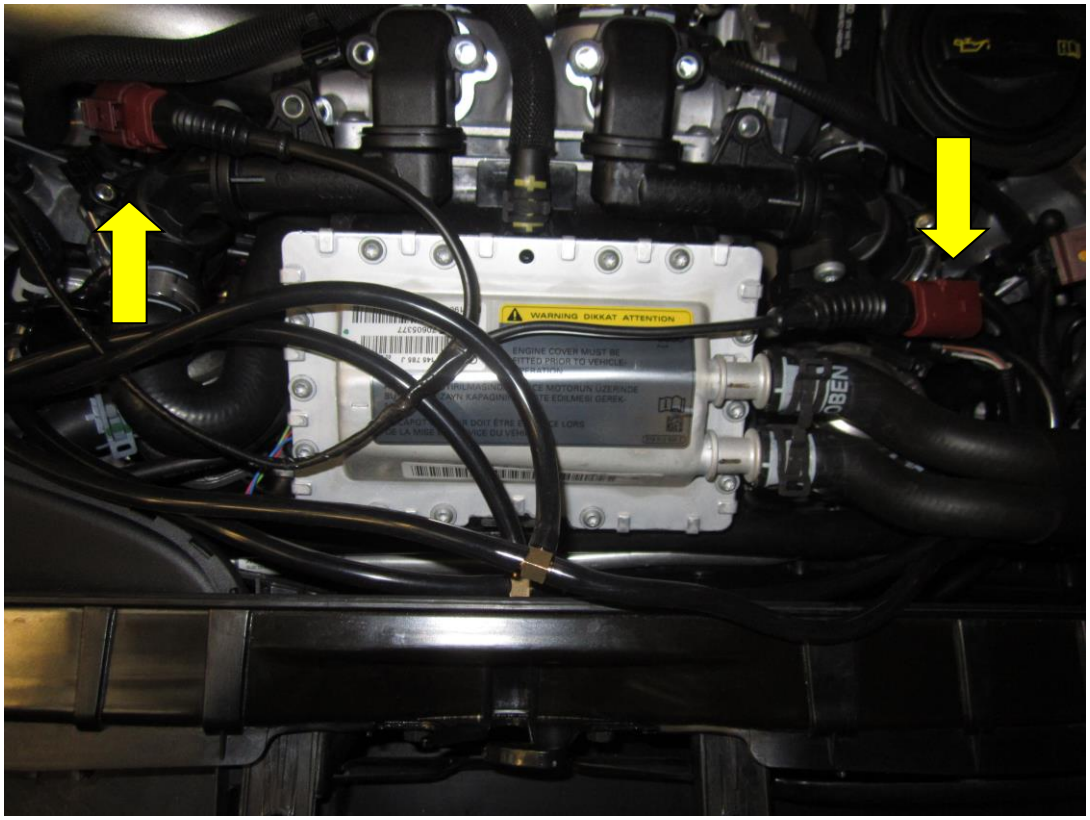
13. Now with the remaining silicon vacuum tube, cut it in half and attach one of the Brass T Pieces to each length. Then cut the vacuum tube between each valve and insert the brass T-piece as pictured below.



14. Connect the vacuum lines to your solenoid as pictured below.



15. Now connect the Forge Motorsport wiring loom to the solenoid and then to your OEM wiring loom.



16. Now refit your engine cover and your valve installation is complete.

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