

# MASATA

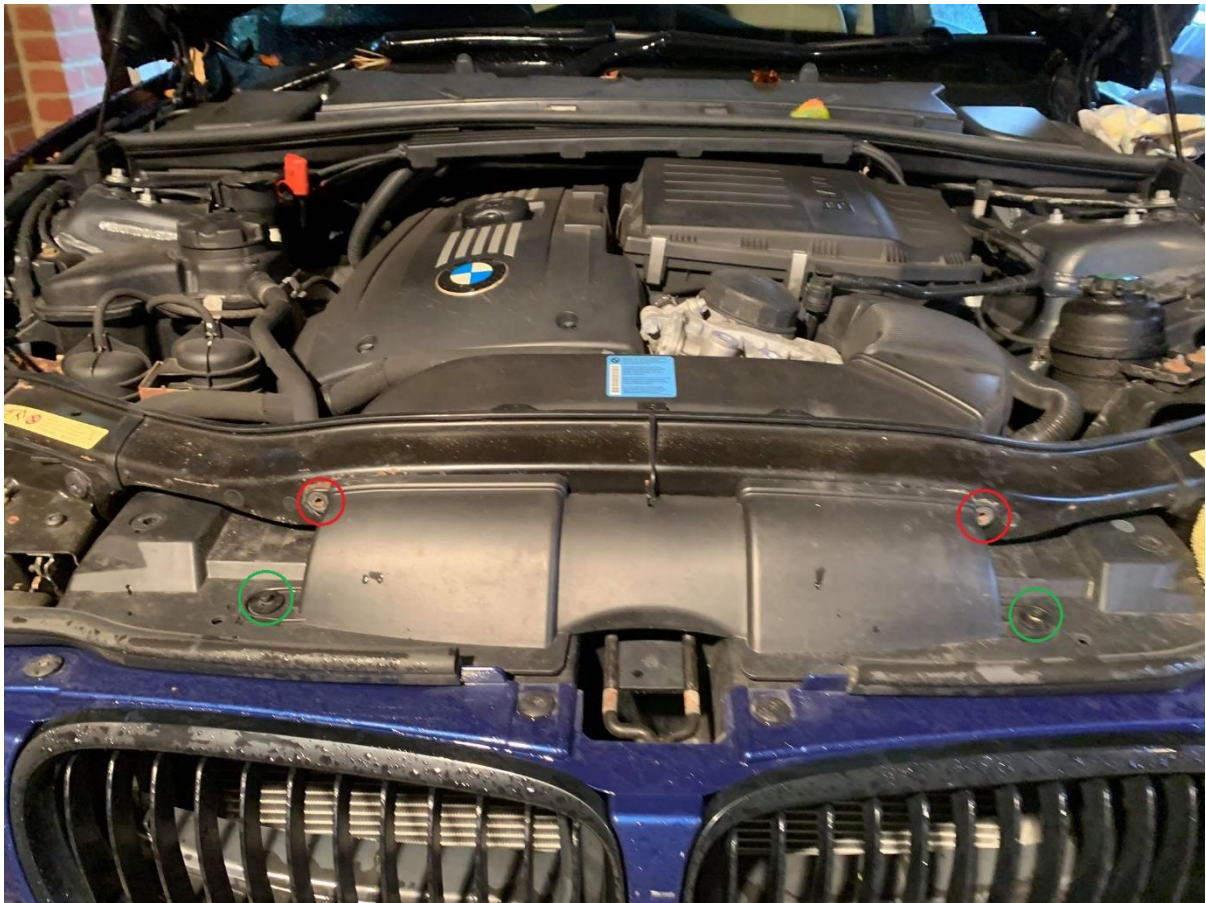
Ultimate Performance

BMW N54 E82 E88 E90 E91 E92 E93 Aluminium Chargepipe with HKS BOV Blow Off Valve

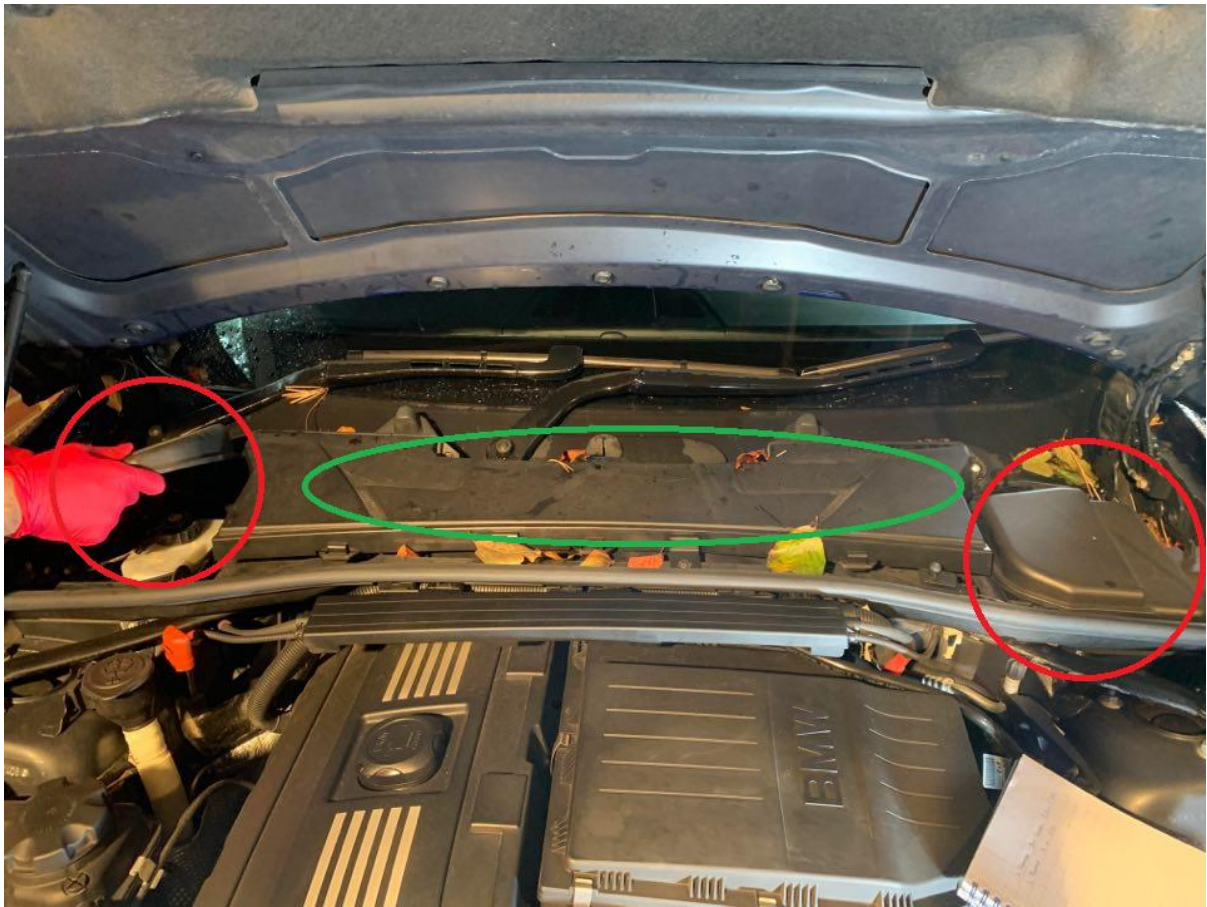
(1M, 135i & 335i) - Installation Guide

SKU: MST0117

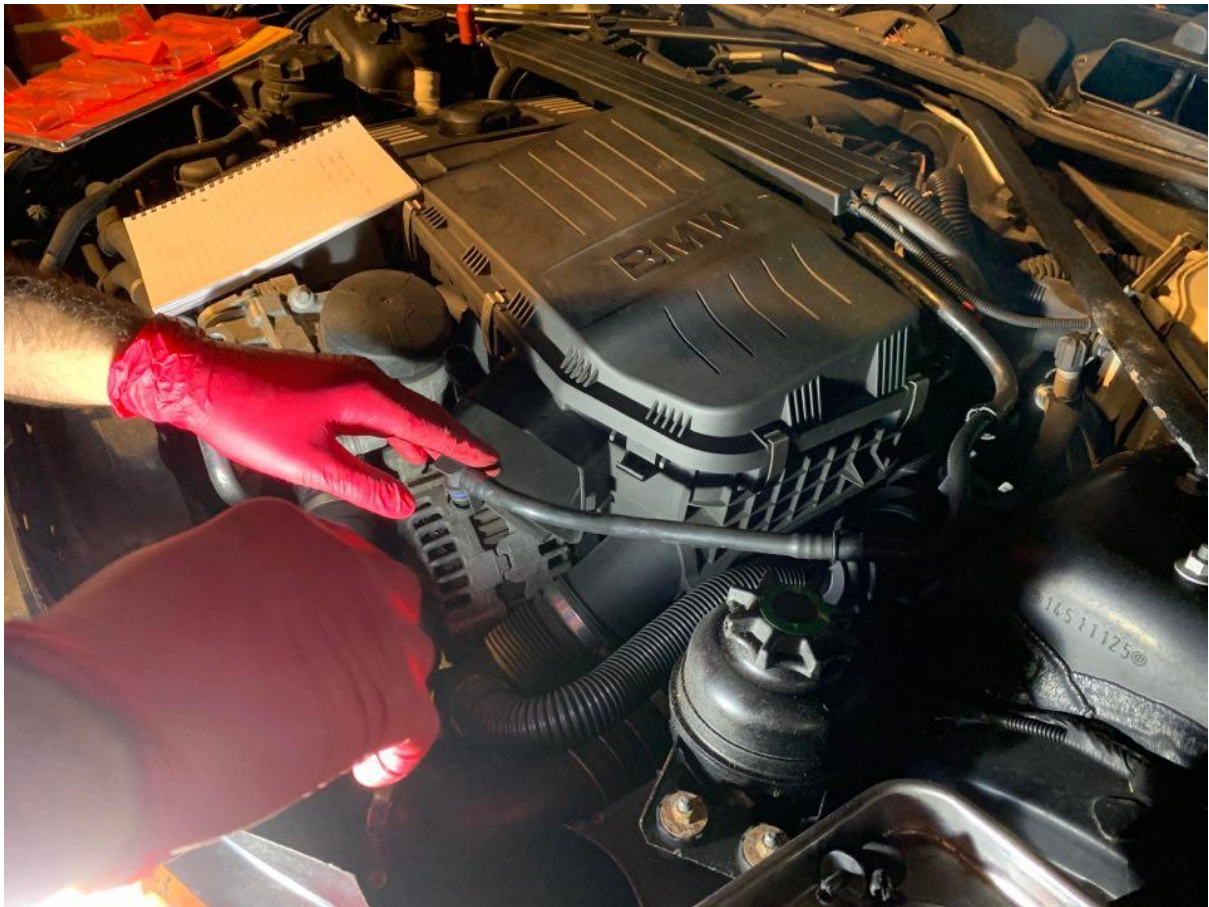
1. Remove Air Scoops – Unscrew 2 x T20 Screws (Red) / Un-do 2 x Clips (Green)



2. Remove Cowls(Green) and 2 x Lids (Red) - Unplug two bonnet sensor either side



3. Disconnect Brake Booster Pipe (Careful not to break it)



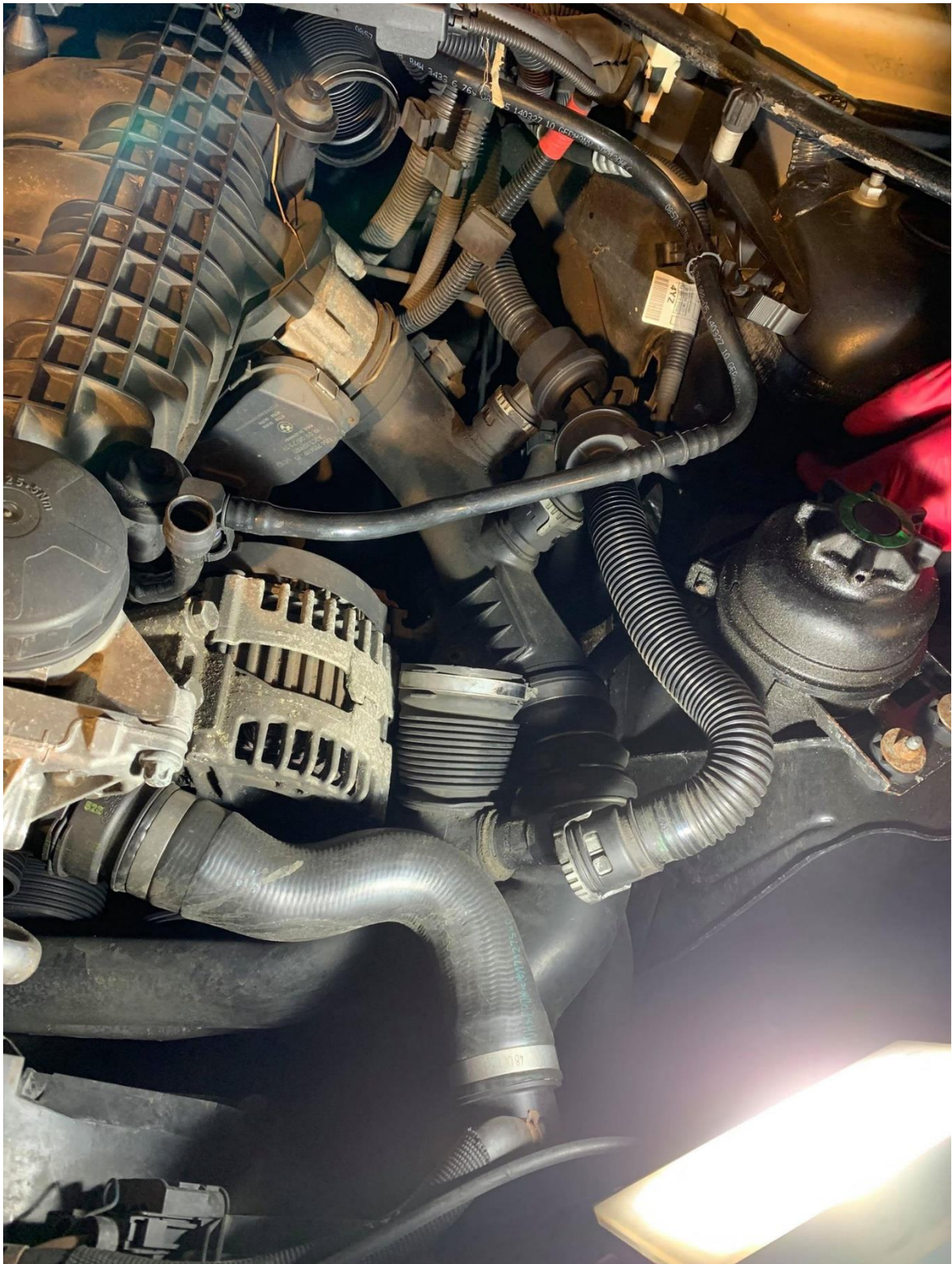
4. Loosen Front clamps connected to the airbox



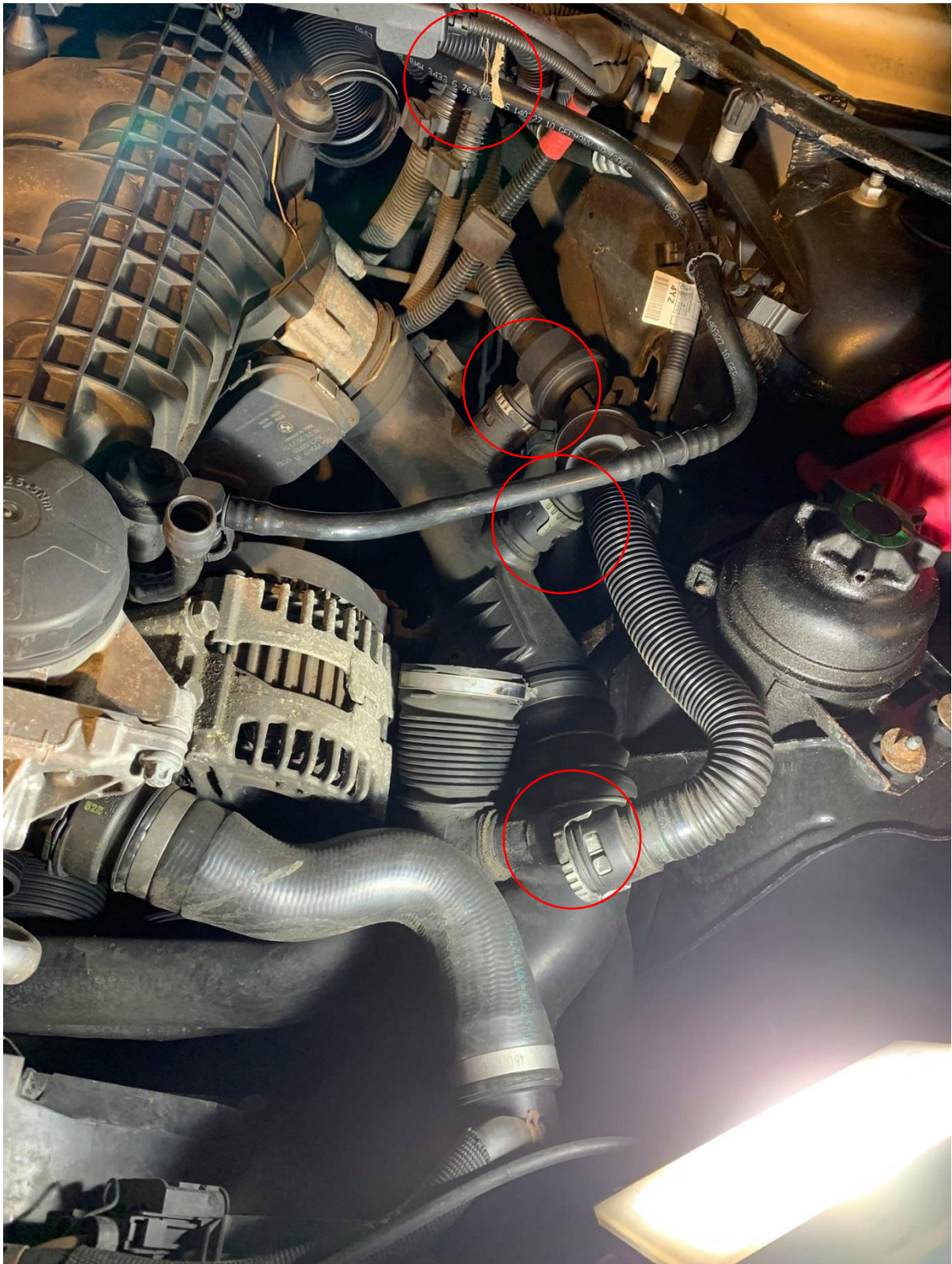
5. Loosen rear clamp connected to the airbox



6. Wiggle and remove Airbox



7. Disconnect Diverter Valves

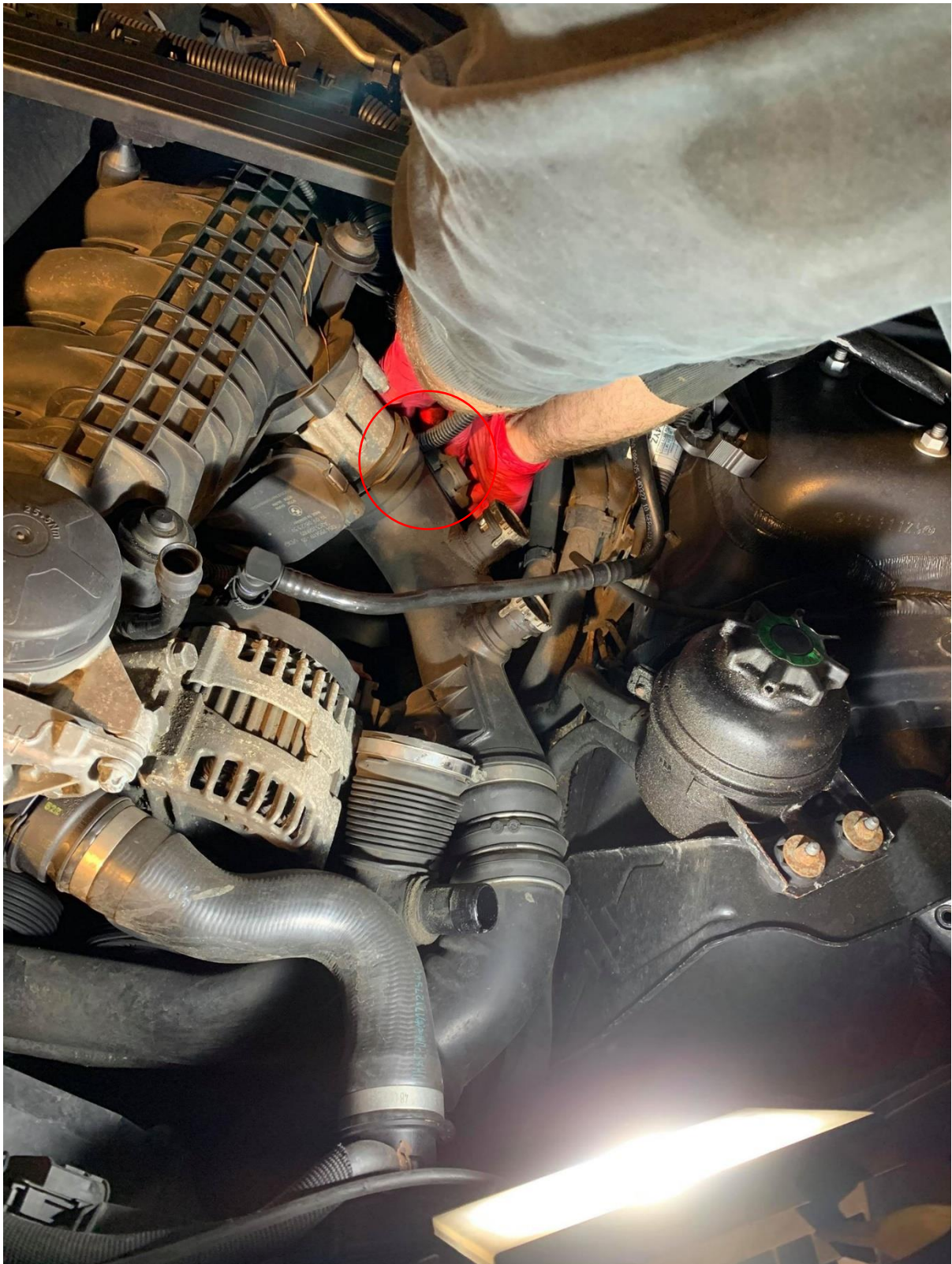


8. Remove Diverter Valves





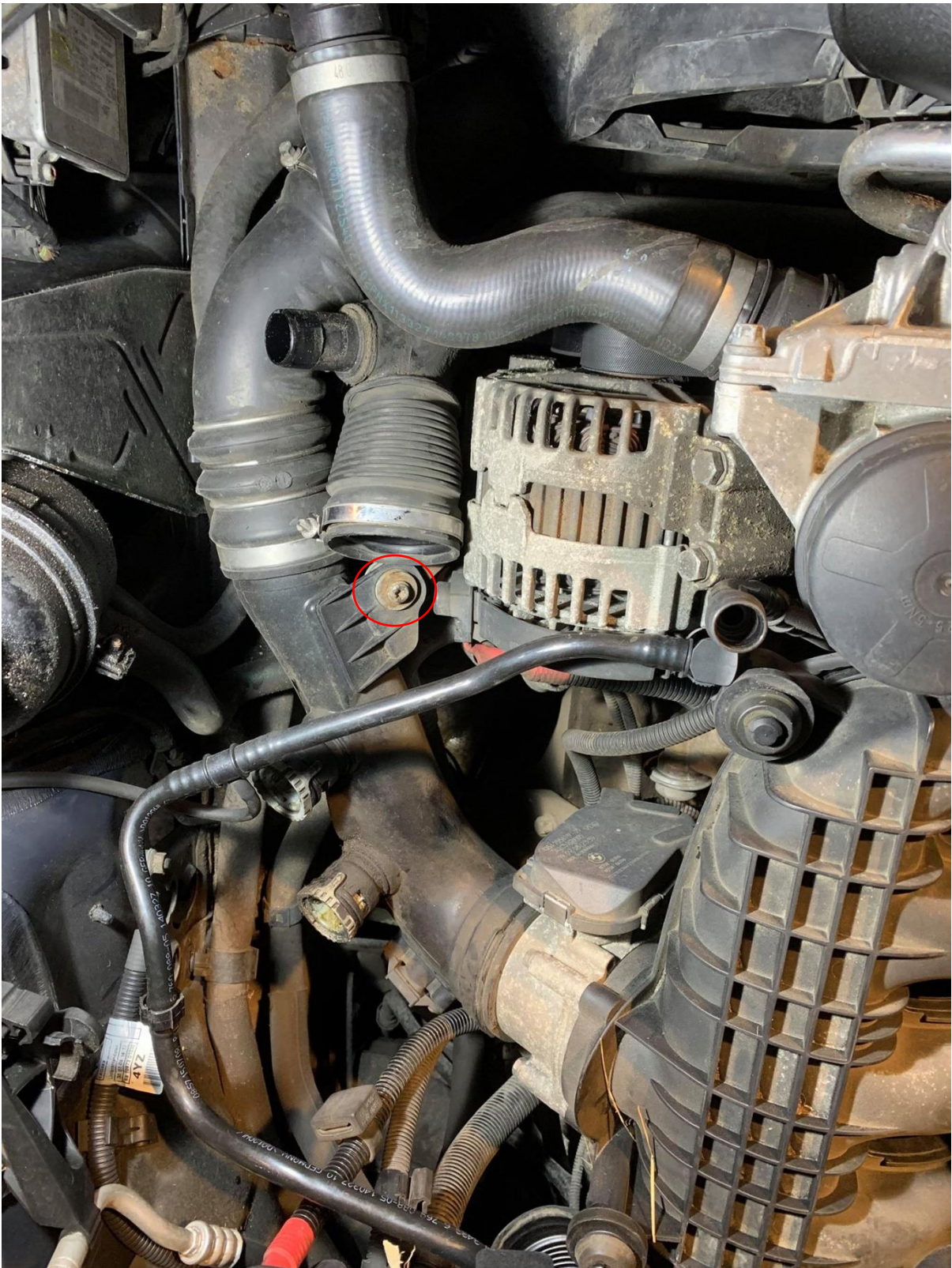
9. Disconnect TMAP Sensor



10. Unclip Chargepipe C-Clip



11. Unscrew Chargepipe Bracket (T30 Screw)



12. Remove OEM Chargepipe (OEM vs Masata Chargepipe with HKS Flange & HKS BOV)



13. Install HKS O-Ring (You may need to stretch the O-Ring so it seats correctly into the groove)



14. Install HKS BOV and secure it with C-Clip with a C-Clip Tool



15. Transfer Chargepipe O-Ring from OEM Chargepipe to the Masata Chargepipe (Ensure it is seated in the Groove properly)

16. Transfer TMAP Sensor from OEM Chargepipe to the Masata Chargepipe, using the 2 x 2.5mm screws provided in the kit to secure it onto the sensor housing



17. Install silicone hose provided onto the Masata Chargepipe (Seat the jubilee clip in the correct position, not on the groove, so it doesn't slide off under load), do not tighten fully as you will want to adjust it when installing.





18. Clean the OEM lower Chargepipe (Red) where the silicone hose secures onto, you need to ensure it is oil free before installing the silicone hose to avoid it popping off under boost.





Adjust and tighten silicone hose

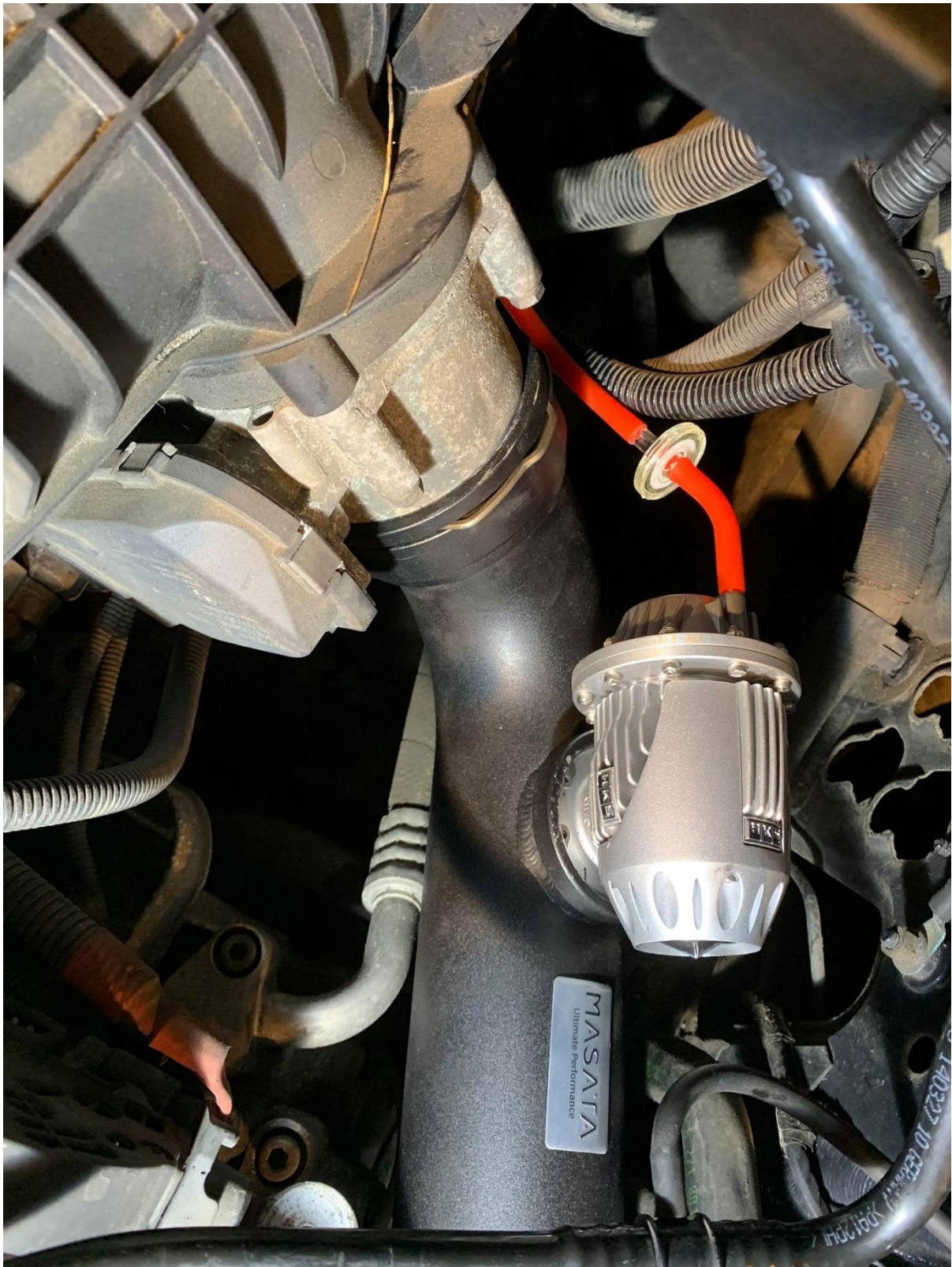


Install OEM Chargepipe C-Clip



20. Connect TMAP Sensor

21. Connect Vacuum Lines to HKS BOV with HKS fitting provided



22. Connect vacuum Line (Green)



23. Plug Diverter Valves ports using bungs and secure with clamps x 2

Front



Rear





24. Refit OEM Airbox
25. Re-Connect Brake Booster Line
26. Re-Fit Cowl and 2 lids
27. Re-connect 2 x bonnet sensors