



GOLF MK7 GTI FRONT MOUNT INTERCOOLER FITTING INSTRUCTIONS



Please thoroughly read through and familiarize 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 Required:

Access to vehicle lift or floor jack and axle stands to support the vehicle

T20,T25,T30 Torx Driver

Pozi-drive screwdriver

Flat blade screwdrivers

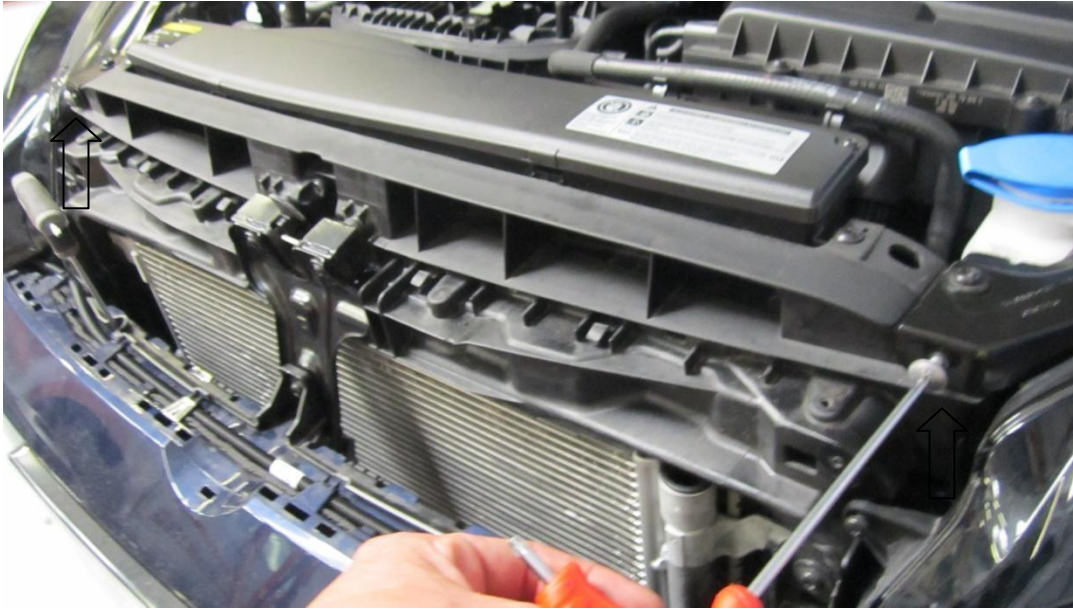
18mm Socket, Extension bar and Ratchet

Trolley jack and axle stands.

Safety eyewear, footwear, gloves and protective clothing are also recommended.

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1. Raise the vehicle on a ramp or suitable axle stands to allow access to the underside of the front of the car. Please also remove your front wheels.
2. Remove the 2x T20 Torx screws from the top of the front grill.



3. Remove the 2x T25 torx fittings holding on the airbox duct .



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4. Remove 2x T30 Torx screws on the top edge of the bumper cover.

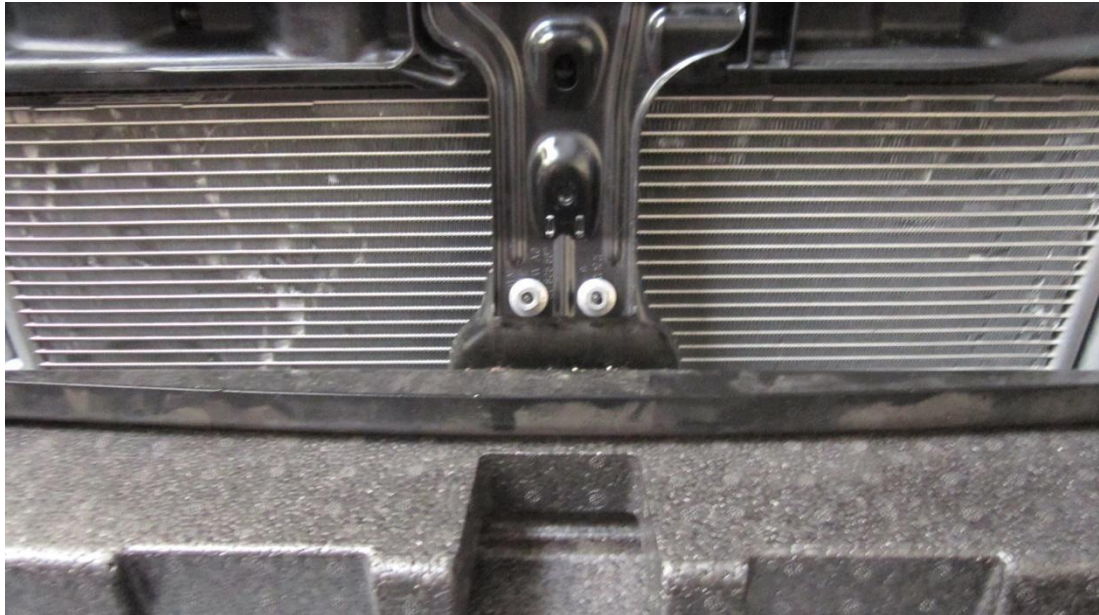


5. Remove 5x T20 Torx/Pozi-Screws from the front section of the arch liner on both sides.





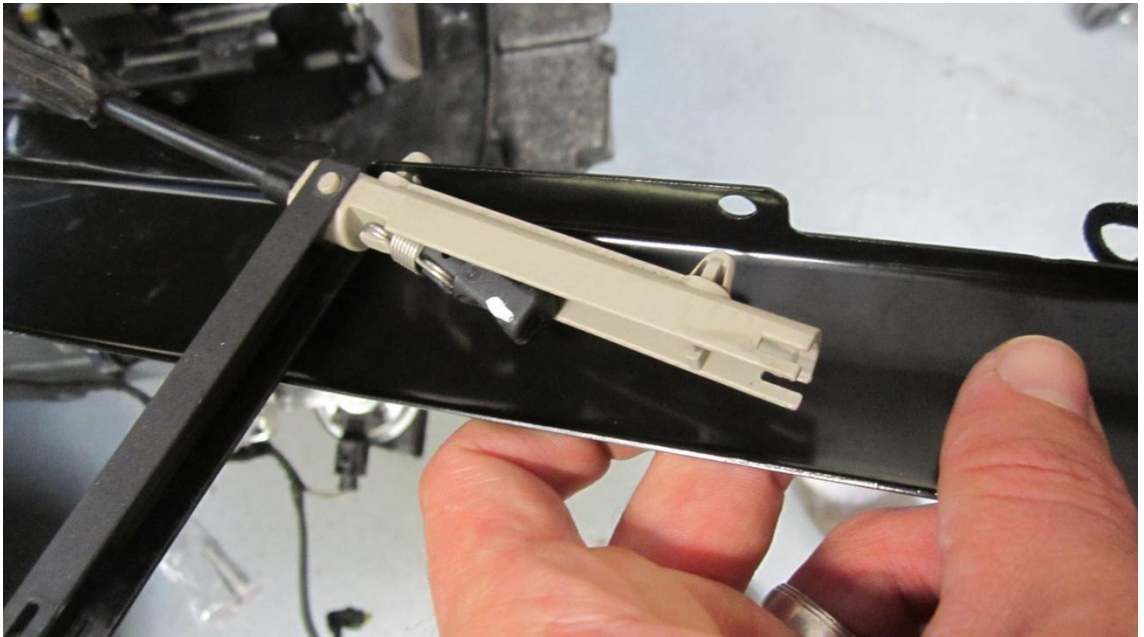
6. Remove the two M10 nuts that hold the slam panel to the crash bar .



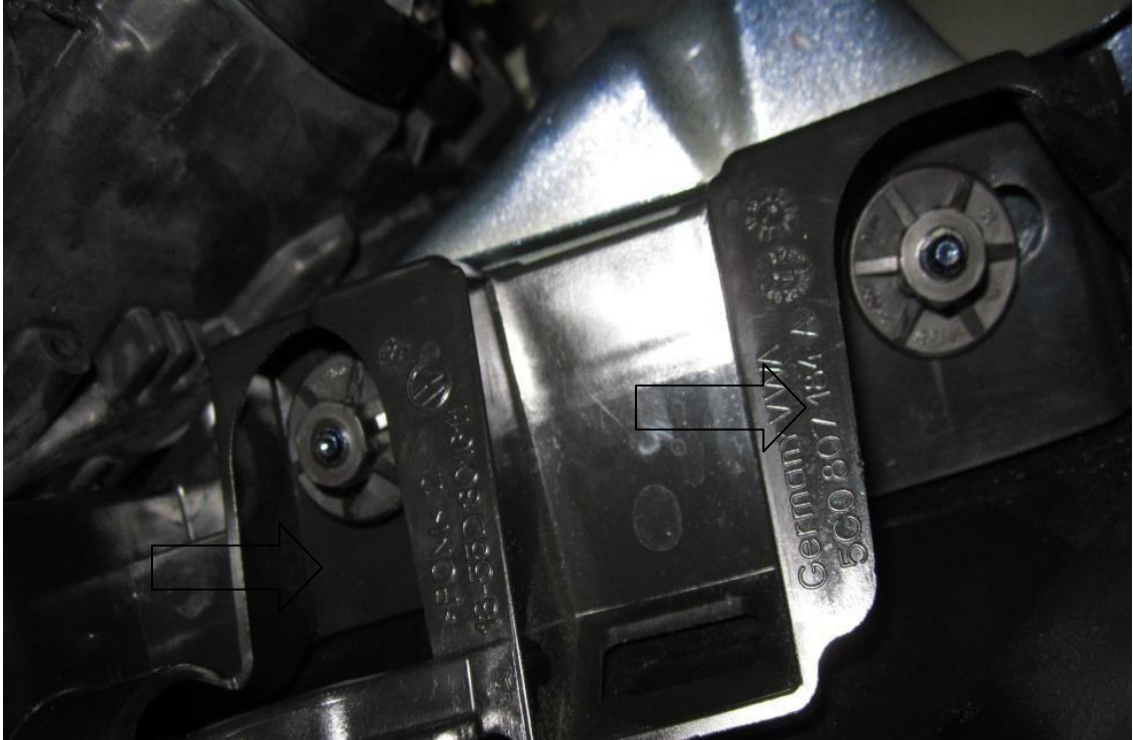
7. Using your T30 Torx drive undo the two fastners on either side of your car that cover the lights .



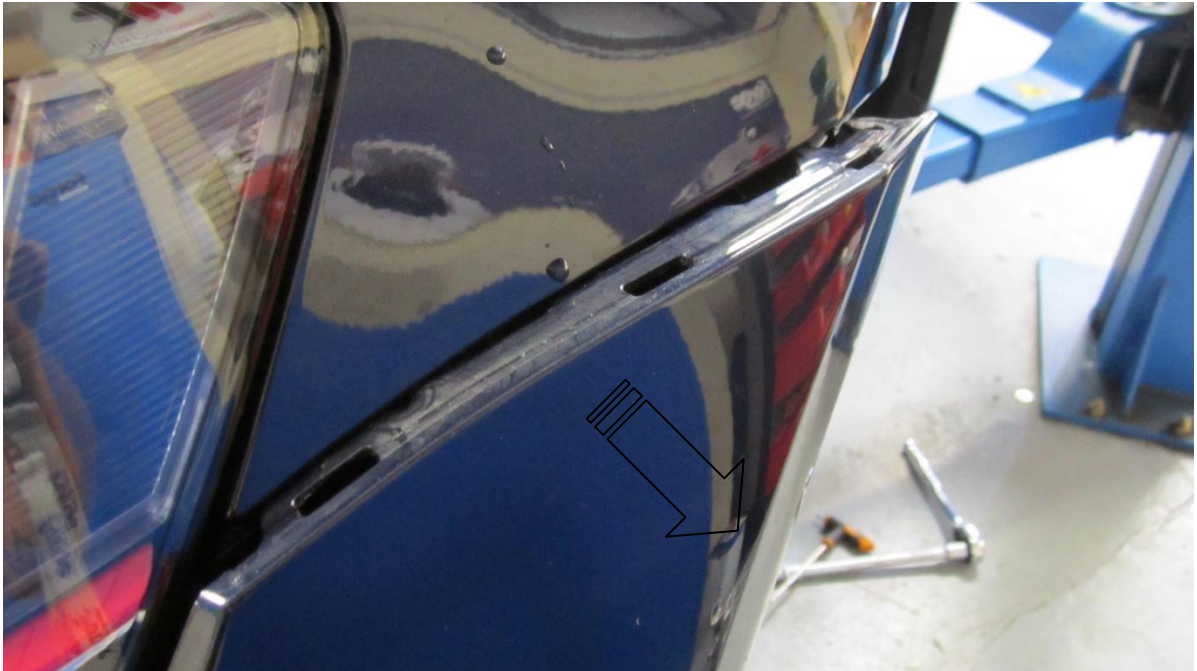
8. On the drivers side panel the bonnet catch housing is held on the underside. This must be disconnected, open the case and disconnect the cable .THIS MUST BE RECONNECTED ON REASSEMBLY OR YOUR BONNET RELEASE WONT WORK



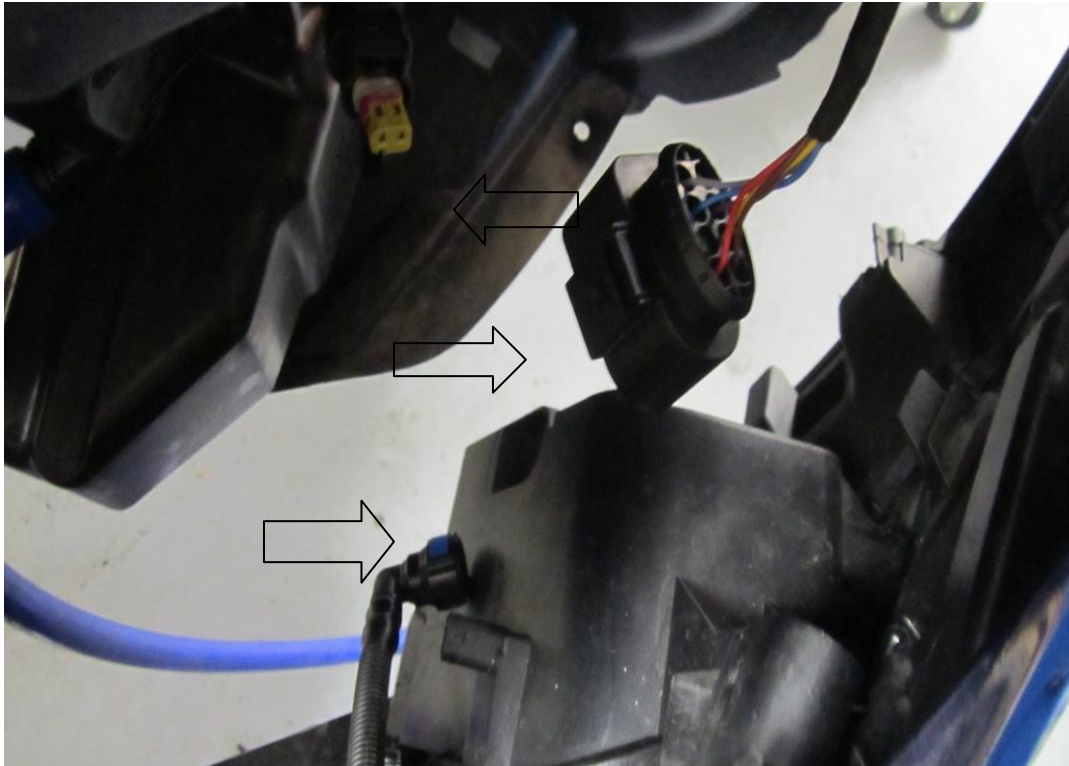
9. Located behind your two arch liners under where the bumper meets the wing are two m10 nuts that also must be removed .



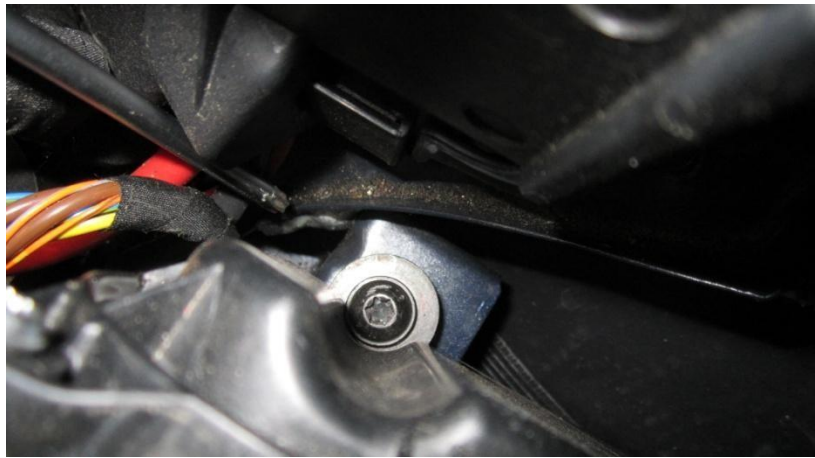
10. Now pull on the sides of the bumper where they are clipped into place .



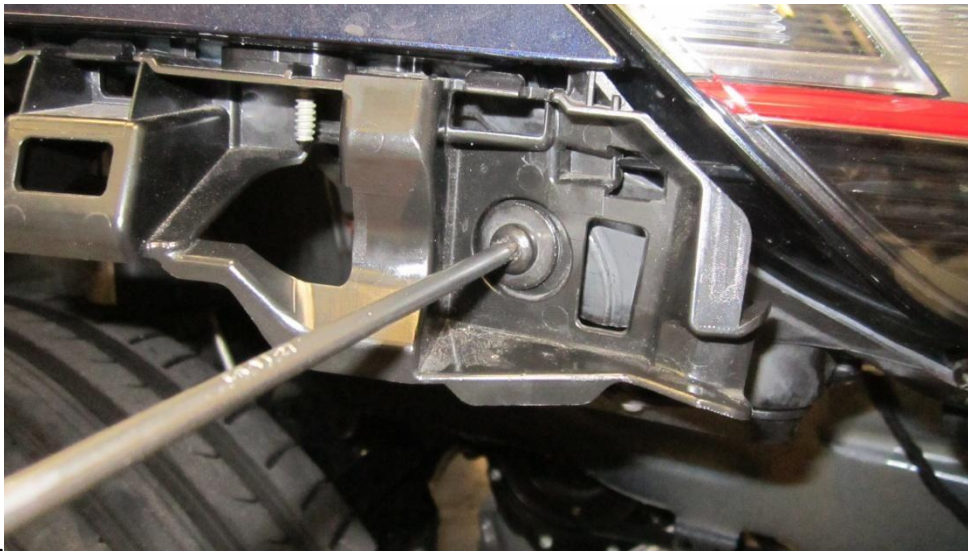
11. You may need some help lifting off the bumper as the wiring to the day time running lights must be disconnected. The washer bottle hose must also be separated. Get a clean container to catch the screen wash in if you wish to re-use as this will leak out once the hose is disconnected.



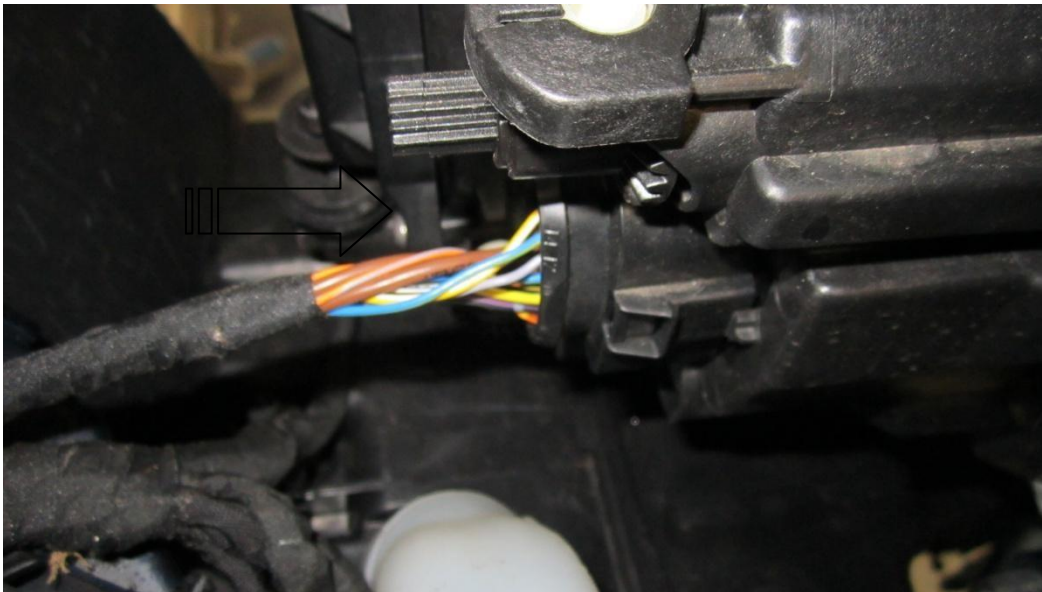
12. Located just behind each headlight are two more T30 fasteners remove both of these .



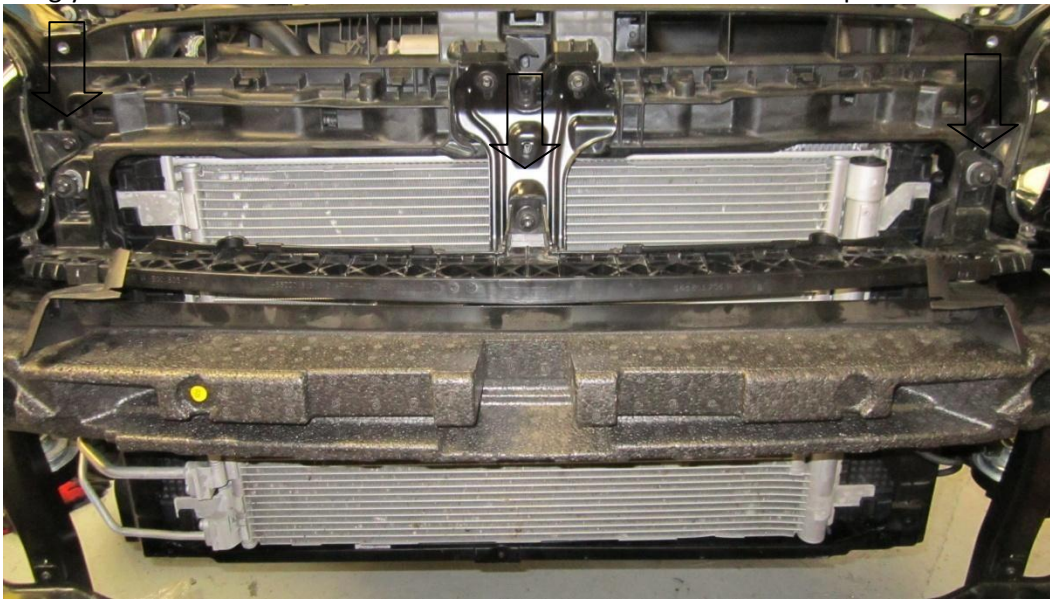
13. Remove these T30 torx on either side of the vehicle found just next to the light



14. Disconnect your headlight wiring loom and remove your headlights from your vehicle.



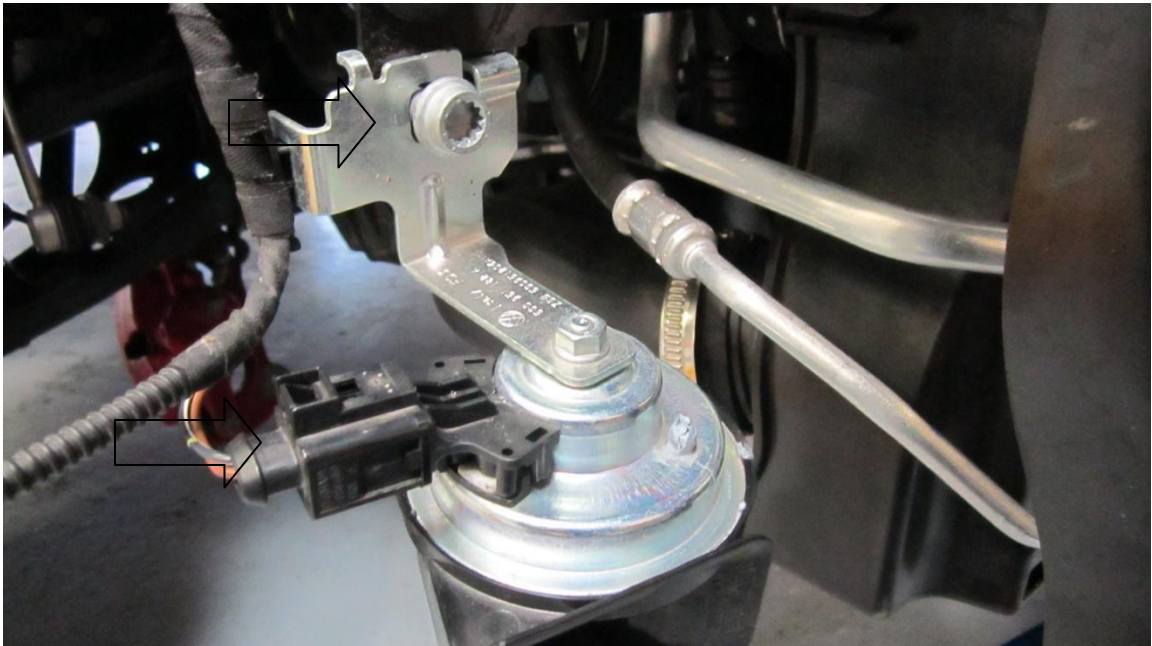
15. Using your T30 torx drive remove these three fasteners and take off the plastic cowl



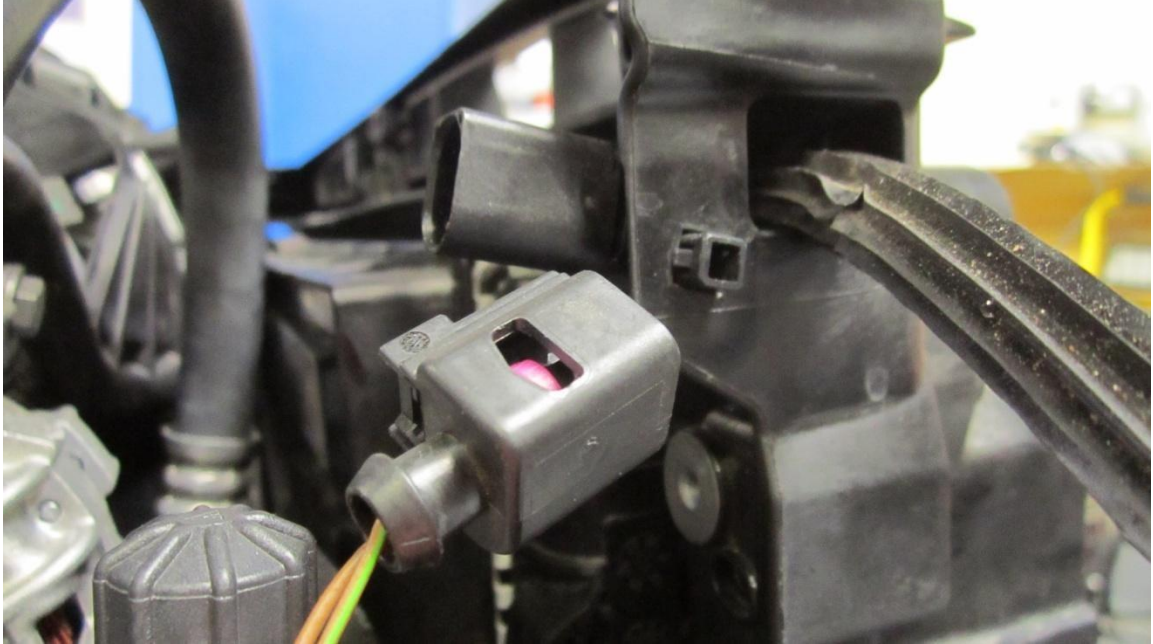
16. From underneath the vehicle you may now undo the pair of boost hoses on the OE intercooler



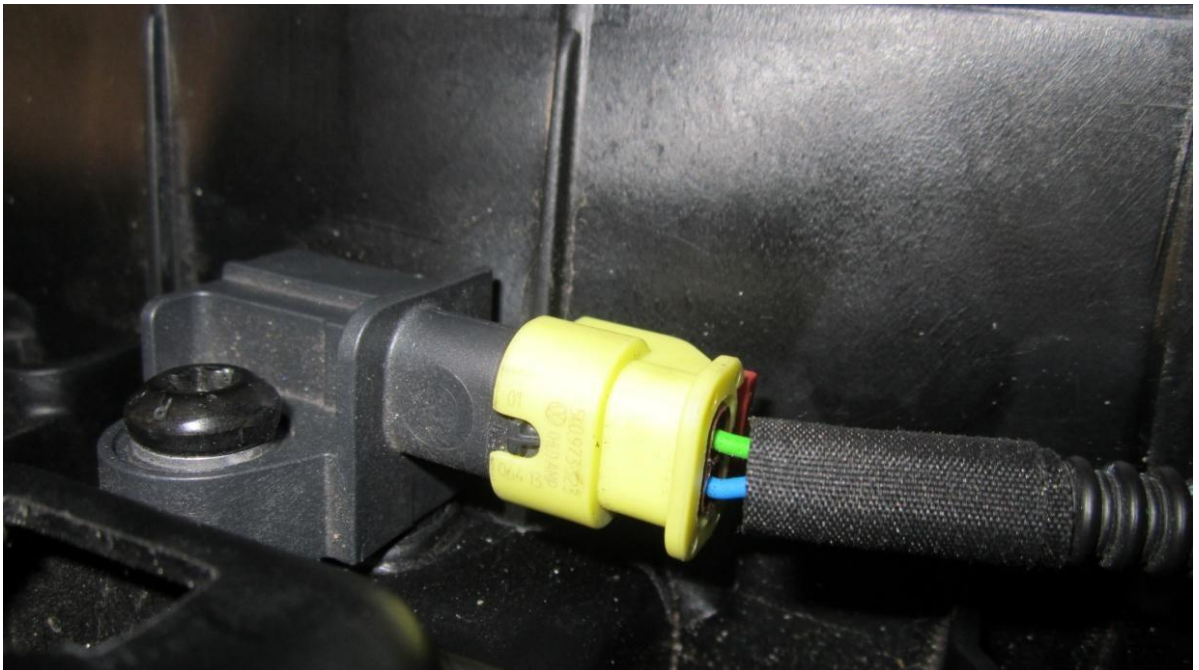
17. Using a multispline 12 socket remove the horn brackets and disconnect the loom on either side of the vehicle



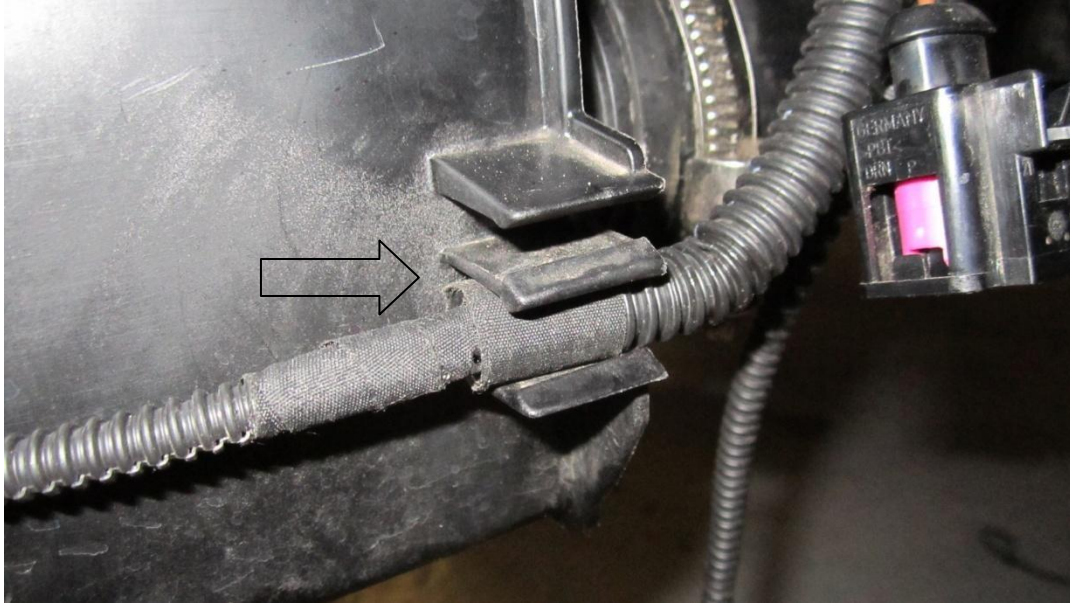
18. Disconnect the loom from the plug on the radiator cowling



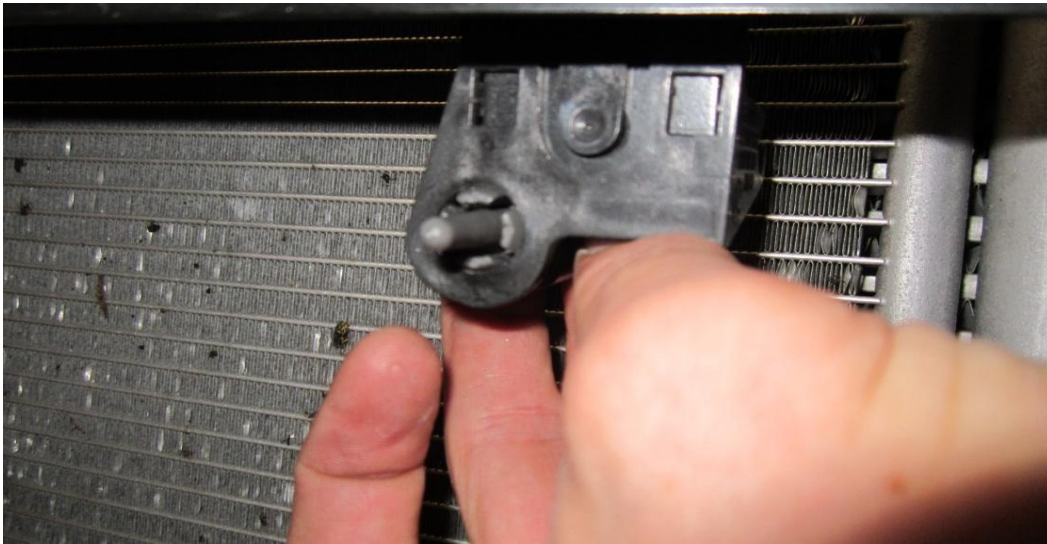
19. Disconnect the loom from the bonnet sensor found in the centre of the plastic radiator cowl



20. Disconnect the loom that's held in place on the lower passenger side of the radiator cowl



21. Now support the radiator cowling from under the vehicle. We used a jack – the crash bar and radiator are fairly heavy so to avoid injury or damage to your vehicle we would strongly recommend a helping hand from here onwards .
22. Disconnect the loom from this sensor clipped to the lower of the crash bar.



23. Disconnect the plug found also on the radiator cowling.



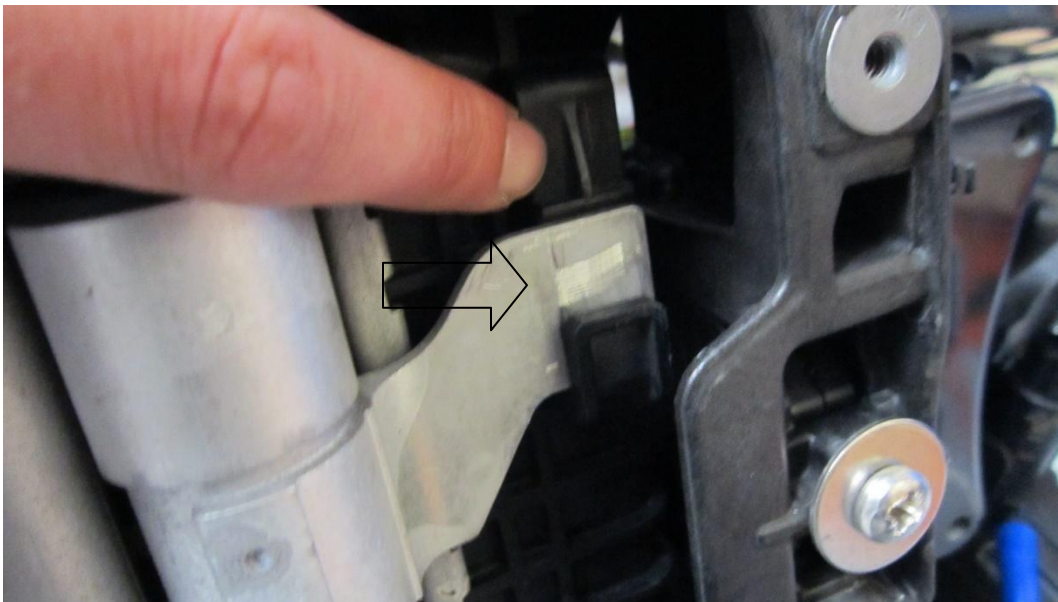
24. Undo the two T30 fixings on both sides of the crash bar



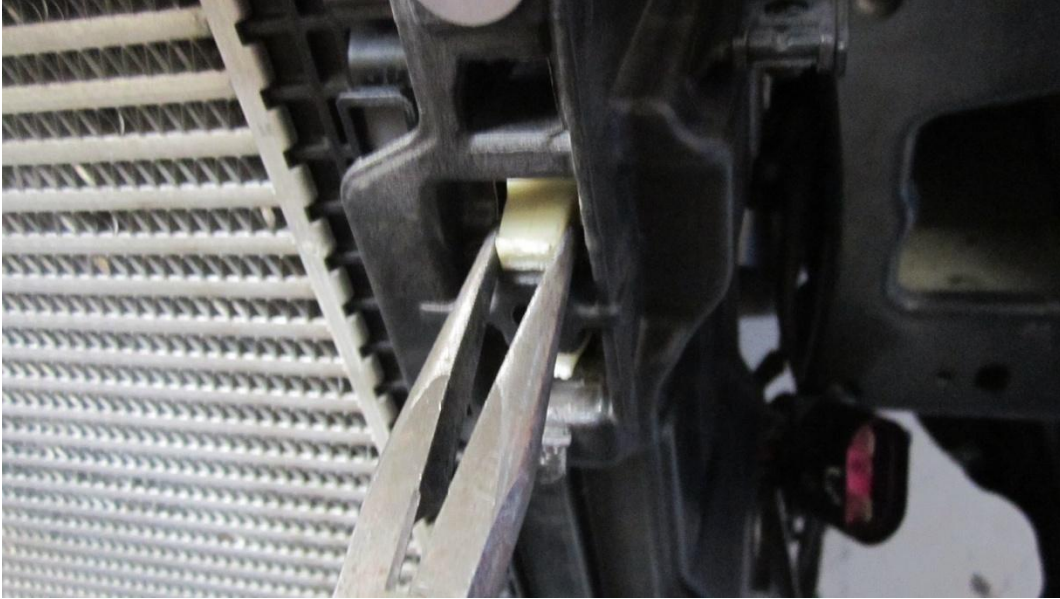
25. Using a 17mm socket and extension undo the four bolts either side of the crash bar holding it place .



26. Remove the condenser unit by pushing in the clips and and then lifting in a upward motion. Follow the condenser pipes along to the drivers side (RHD) where they clipped in place. Unclip them then place the condenser unit on the floor carefully.



27. The radiator and intercooler are held in the cowling by these two clips. We found they broke when we tried to remove them, but don't worry we supply two new brackets that are screwed into position rather than clipped and will have been supplied with your new forge motorsport intercooler.



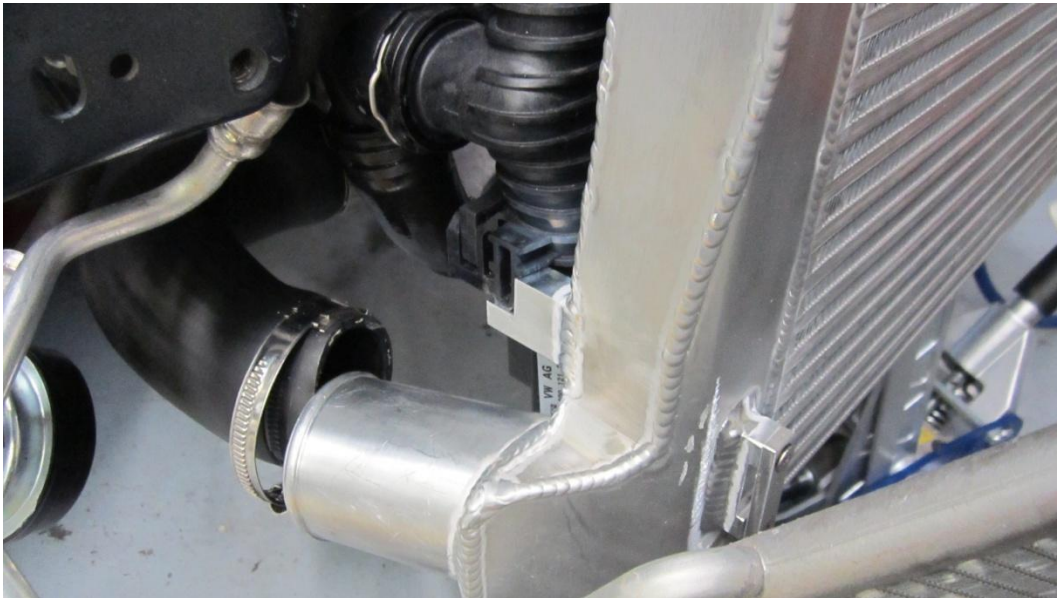
28. This is the hard part. Pull the cowling away from the intercooler then lift the radiator and intercooler out from behind the cowling. You will need two people. Place the radiator and intercooler back on the jack, and place your cowling out of the way ready for reassembly .
29. In the top left and right hand corners of the radiator are two clips that fasten to the intercooler Push in these clips, tilt the radiator away from you while lifting the radiator and your OEM intercooler should now be able to be removed .
30. Place the o rings provided over the clips on the OE radiator .



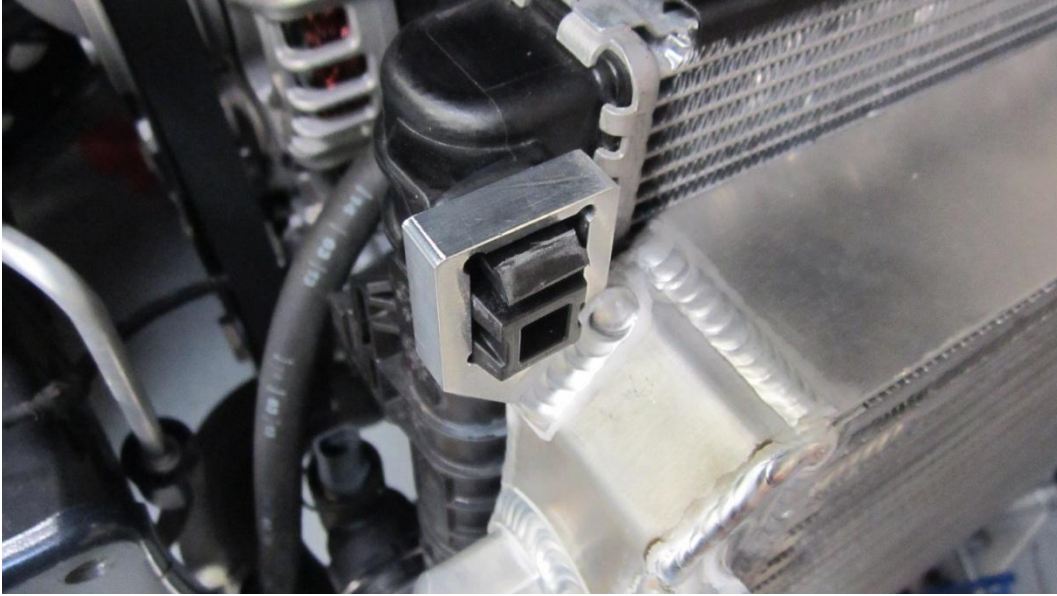
31. Loosen the lower brackets on your new intercooler using an M6 allen key



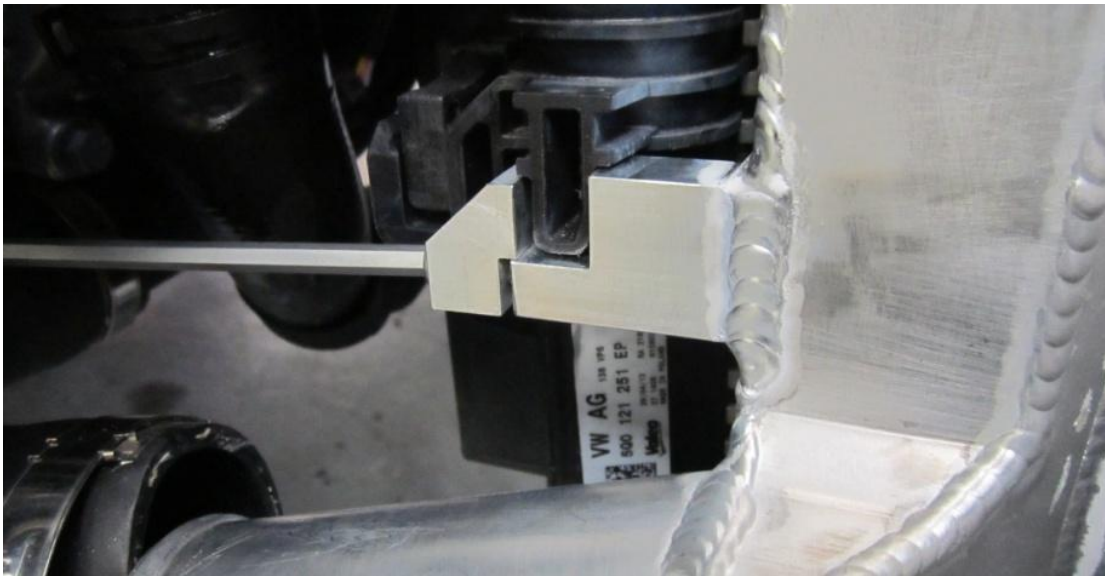
32. Place your new forge motorsport intercooler into position .



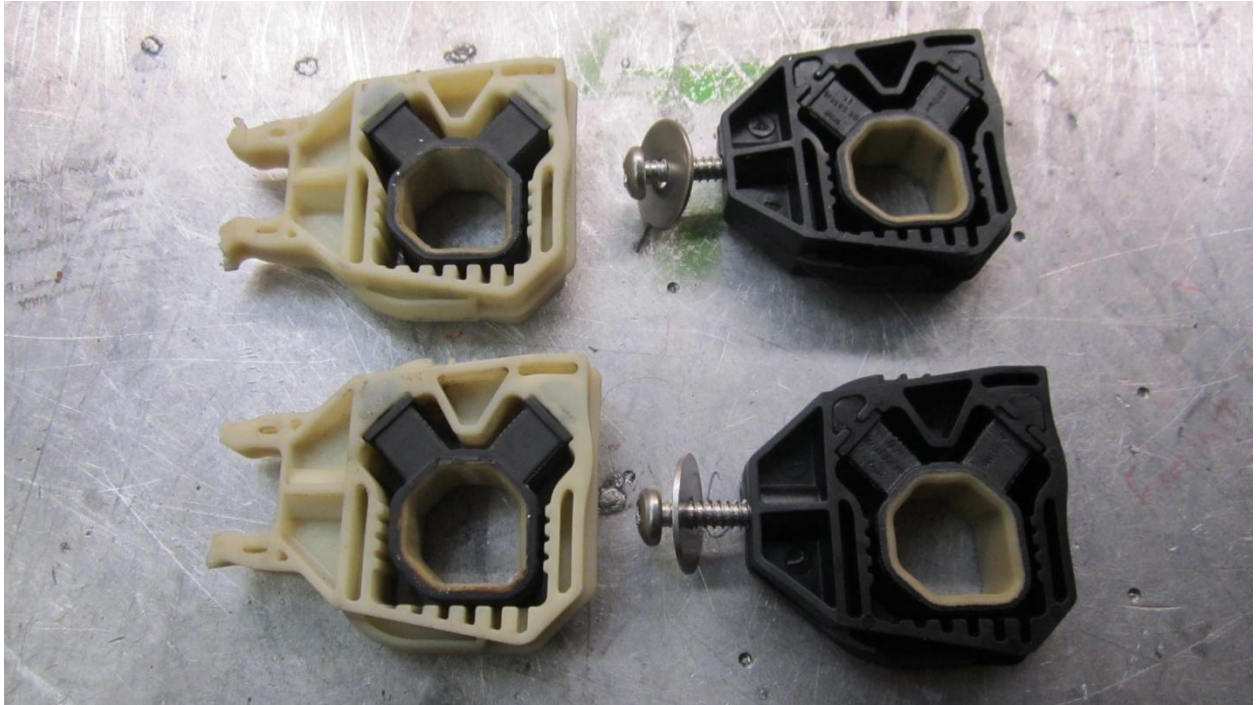
33. Push the clips on your radiator into the brackets on the Forge motorsport intercooler.



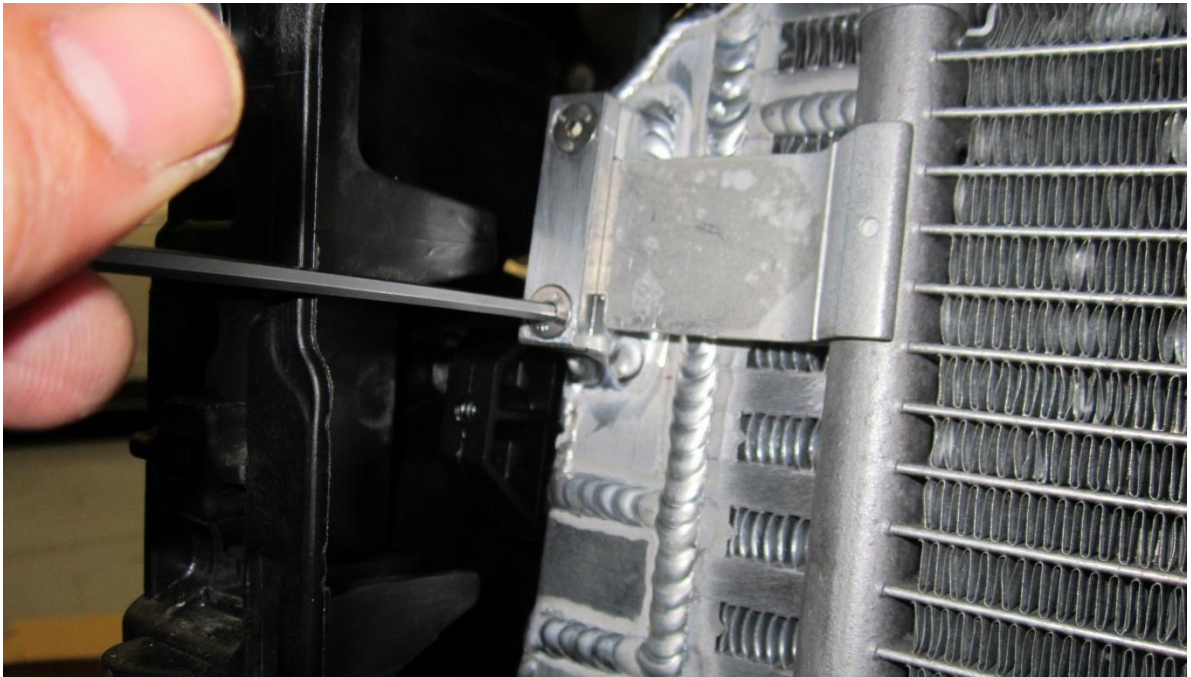
34. Using a 6mm allen key install the clamps on the lower bracket and tighten.



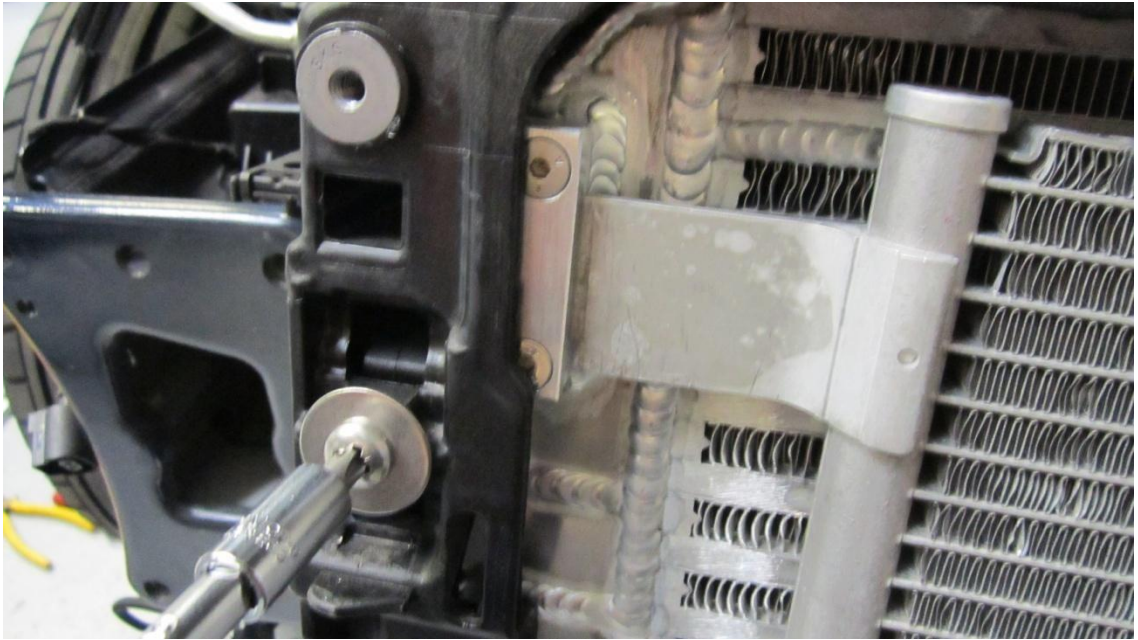
35. Place the new black plastic brackets on your intercooler to replace the old brackets. Two screws with washers are provided to hold these in position.



36. Lift your plastic cowling into position, place the locating pegs on the intercooler in the radiator cowling, tilt your complete unit slightly away from you. Place your condenser unit into position and clamp in place using a 3mm allen key to tighten all four clamps.



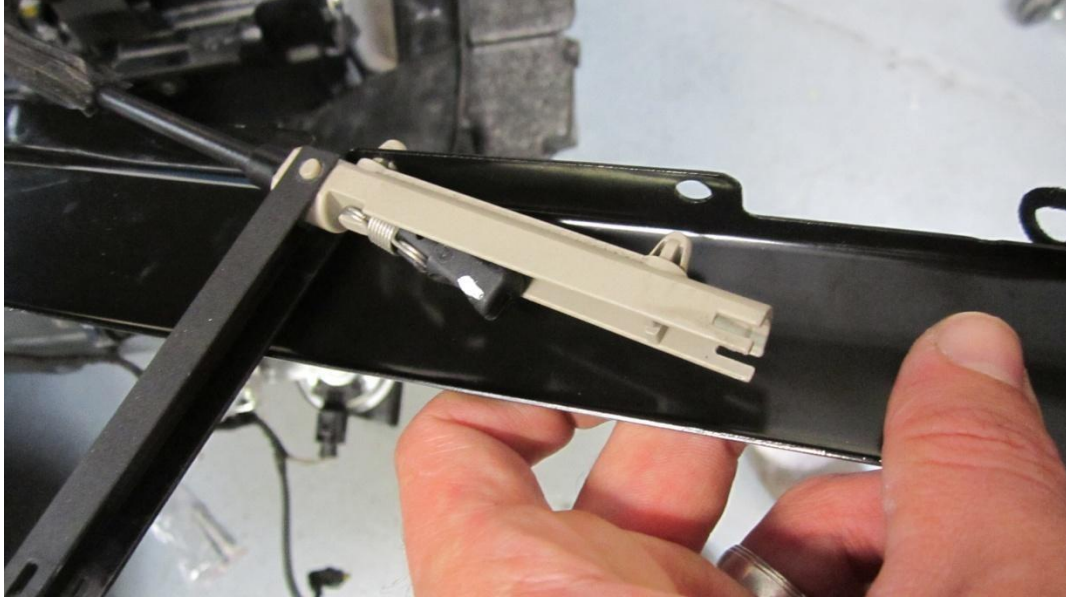
37. Pull the intercooler into the plastic cowling. There is a hole in the centre where your old bracket sat. Using the two screws provided, screw into the new brackets on your intercooler and tighten both sides .



38. Your new intercooler is now sat in position follow steps 1-26 in reverse order to reassemble your vehicle.



39. Ensure the bonnet pull cable is correctly reassembled and securely clipped to the front clip. **IF THIS NOT CONNECTED CORRECTLY THE BONNET CANNOT BE OPENED!**



40. Your installation should now be complete. Enjoy Your New Performance!



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