



## Audi S1 Intercooler Instructions



### **Tools Required:**

- Flat headed screw driver
- Philips screw driver small and large types
- T25 Torx driver
- T30 Torx driver
- 13mm socket and matching ratchet
- Dremel or hack saw
- 6mm drill bit and drill

1. Jack the car up and support with axle stands remove the three t25 torx screws on the inner arch liners.



2. Undo all the t25 torx on the under tray and remove, undo and remove the t25 torx from the bumper.



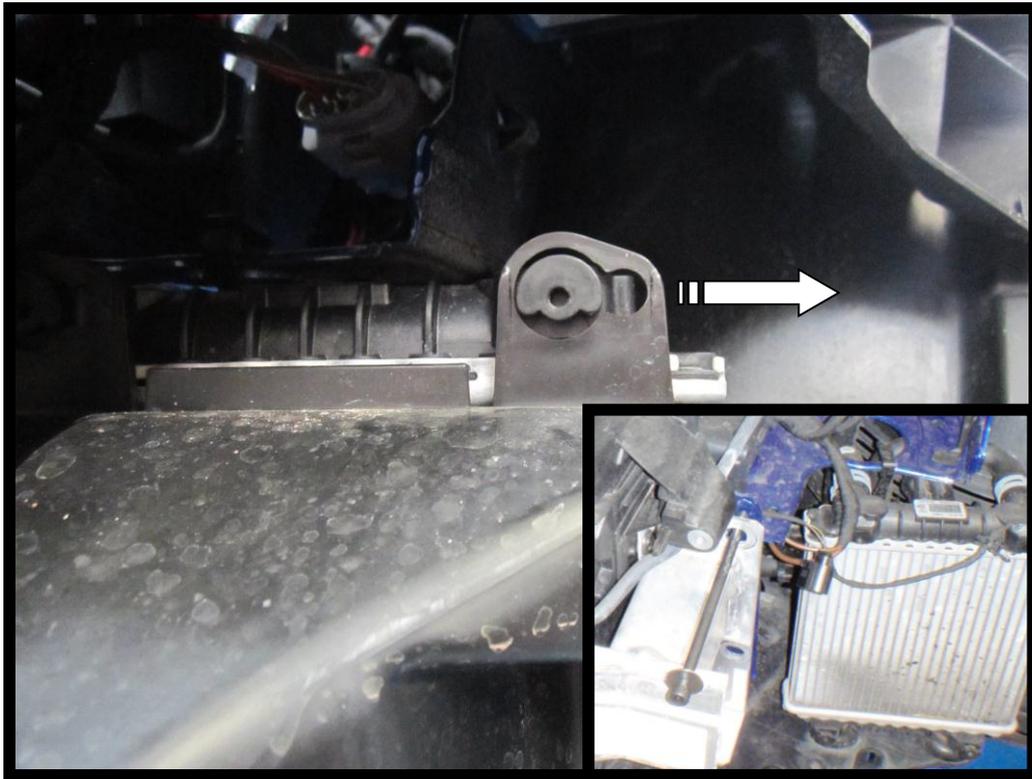
3. Under the arch liner in the corner of the bumper is a small plastic clip. Remove with a flat bladed screw driver, then carefully pull the bumper out of the clips of the wing.



4. Remove the t25 torx from the top of the bumper and remove the bumper.



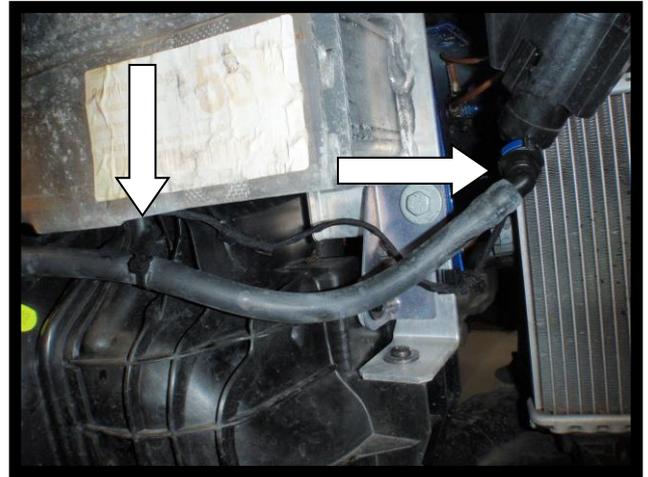
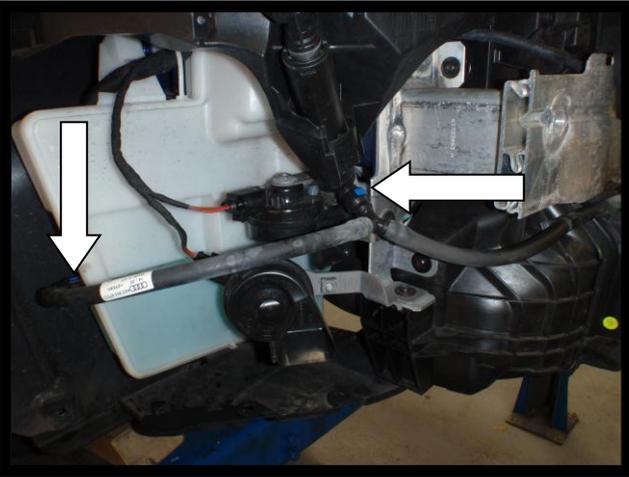
5. Remove the secondary radiator ducting by pushing it to the right until the clip is free.



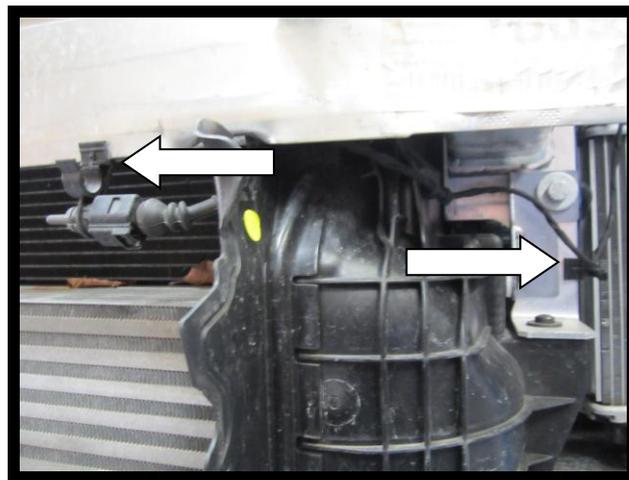
6. Undo the hose clamps and pull off the hoses to the intercooler.



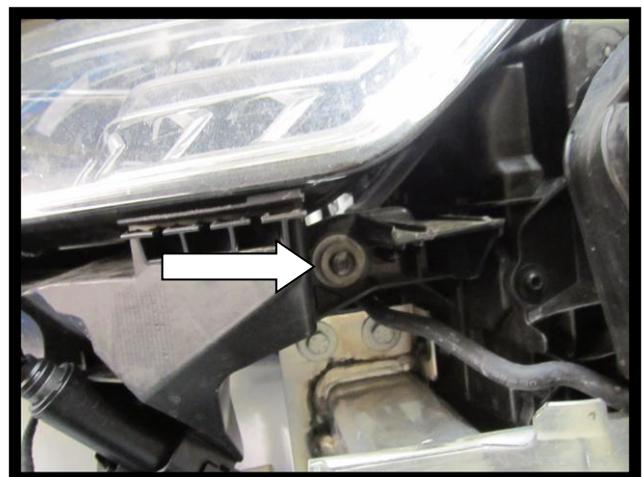
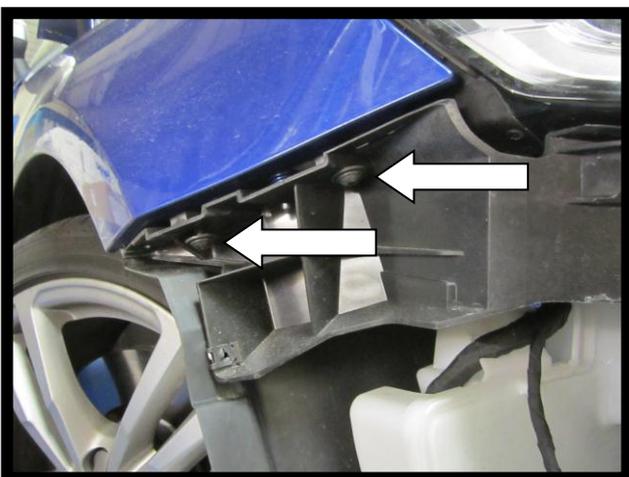
7. Disconnect the headlight washers and remove the pipes, then unclip the wiring from the horns.



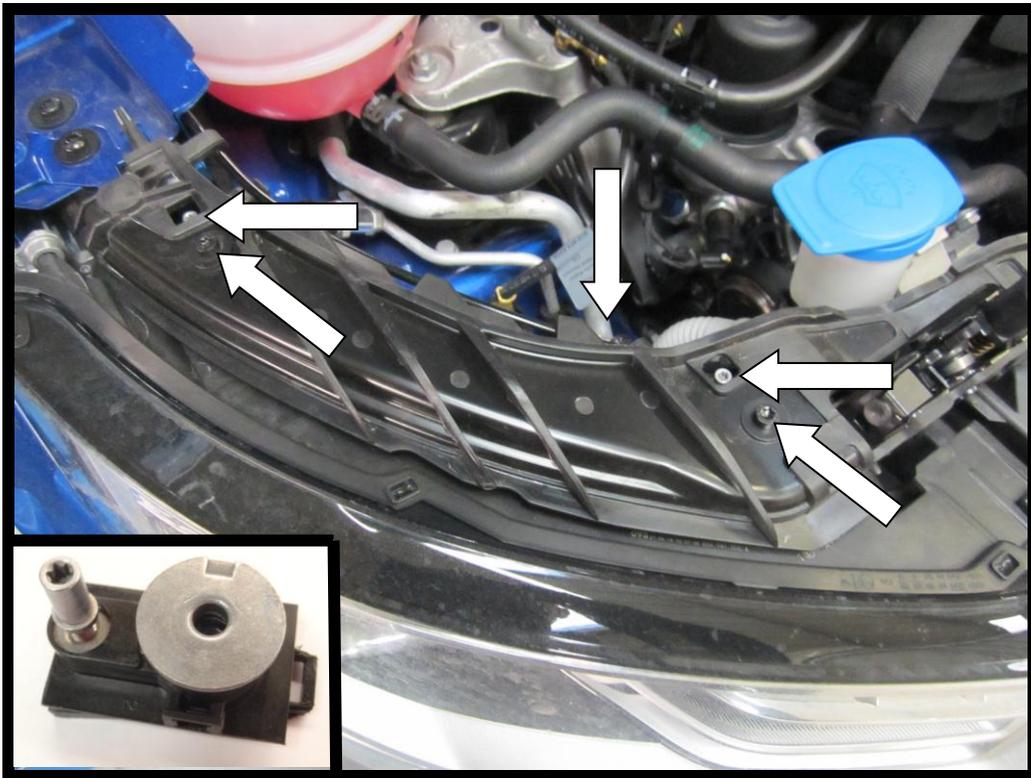
8. Unclip the air temperature sensor.



9. Undo the three t30 torx from the bracket under the lights and remove.



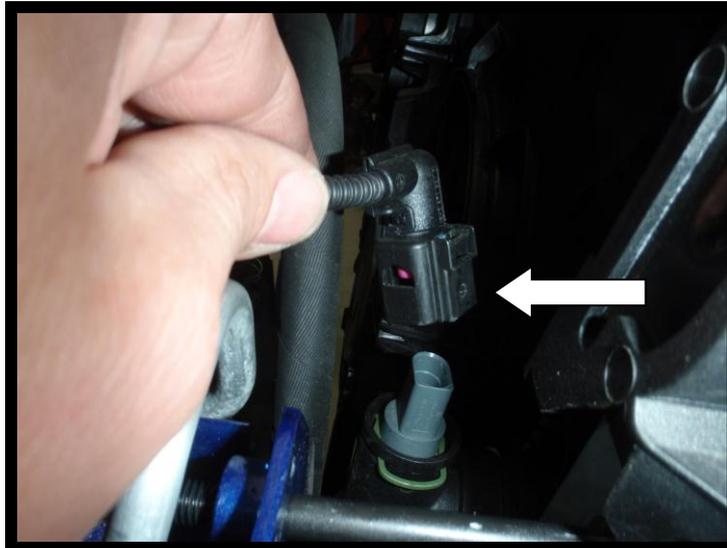
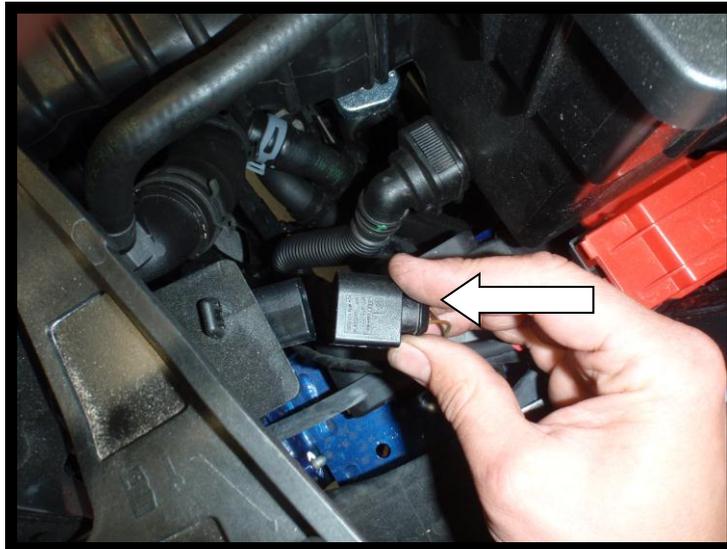
10. Remove the lights by undoing wiring loom, then remove the three t30 torx bolts two on top of the light and one behind. You will notice another two t25 torx as shown below. Undo these until the brackets are loose enough to remove the light.



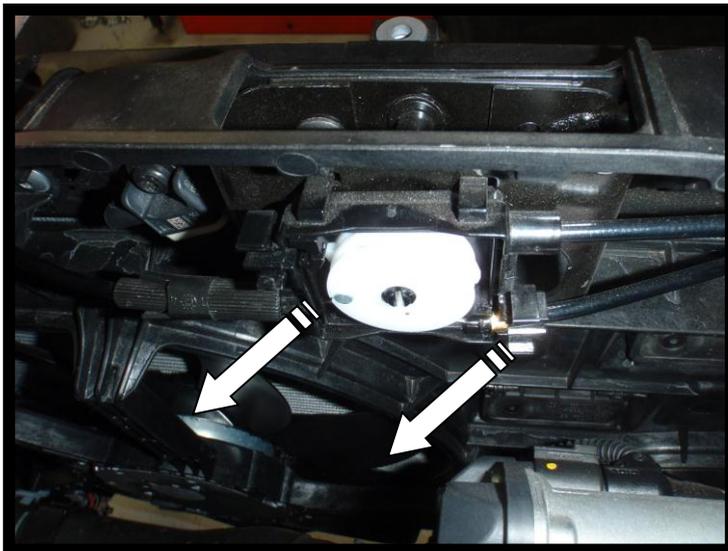
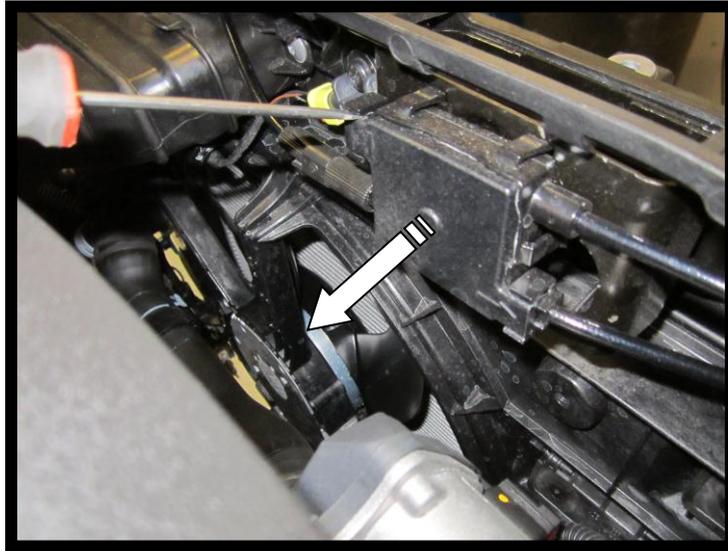
11. Unclip the washer bottle.



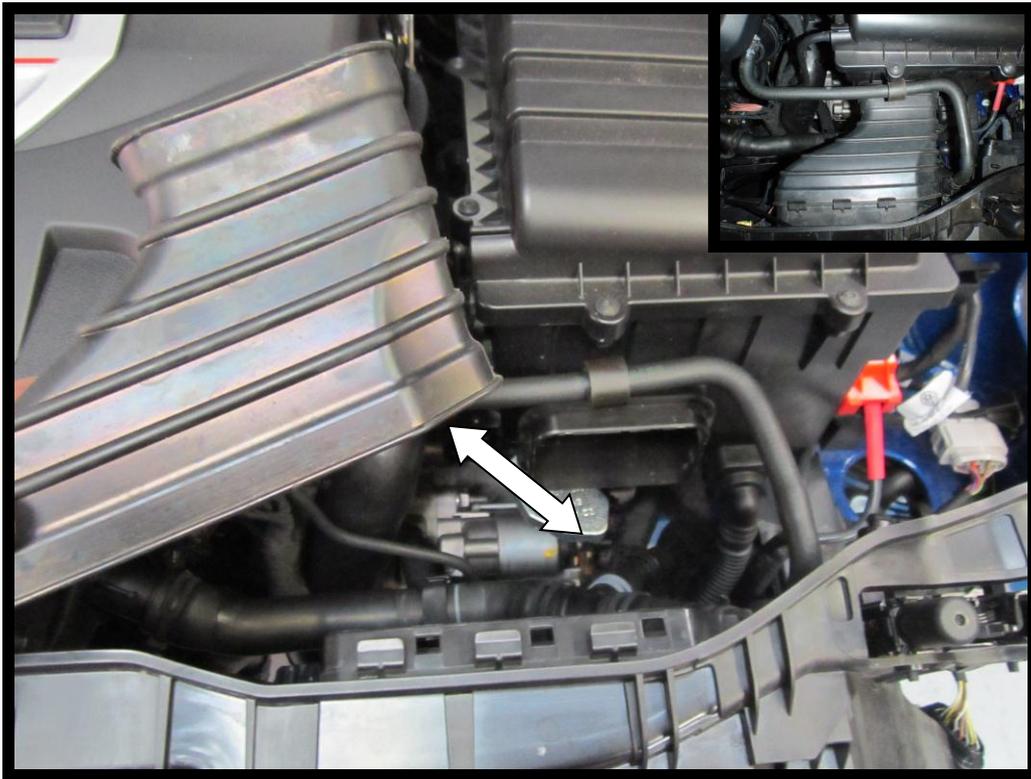
12. Unclip the plug next to the washer bottle and the same the opposite side. Under the washer bottle there is another plug on the radiator, this will also need to be unclipped.



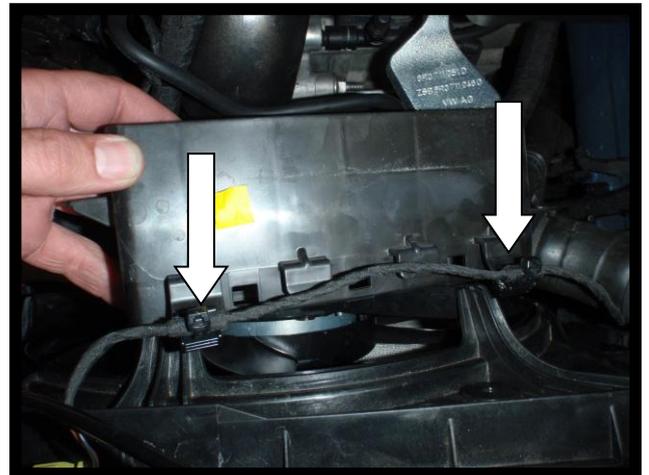
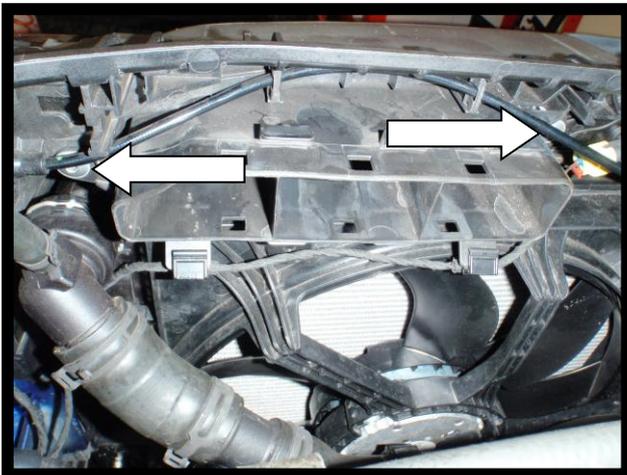
13. Unclip the cover of the bonnet catch then remove the cable and unclip the cable from the slam panel



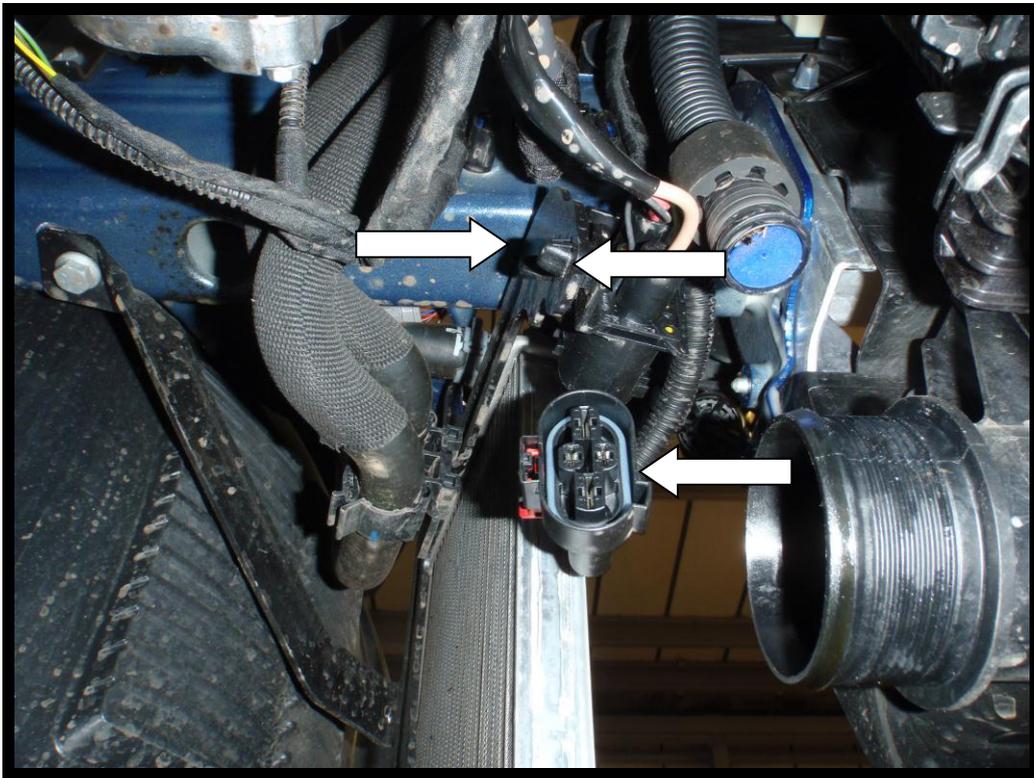
14. Remove the rubber ducting from the air filter.



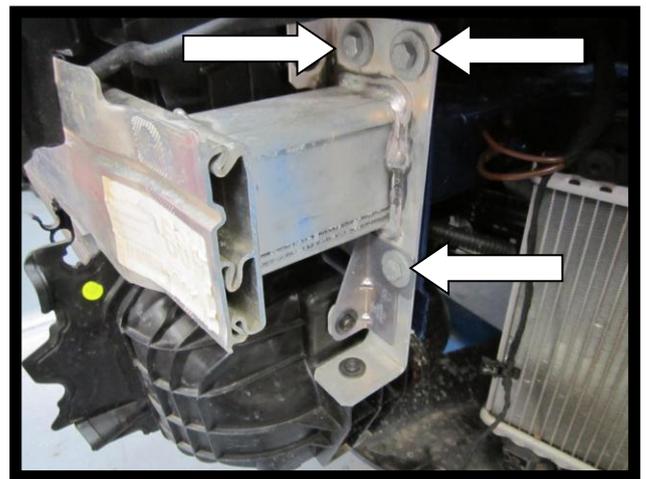
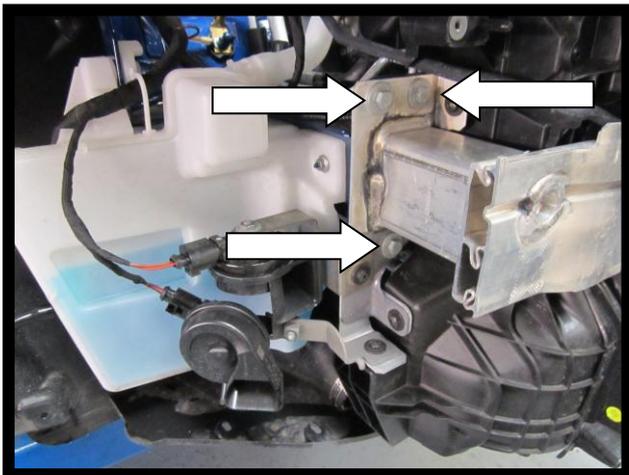
15. Undo the t25 torx and remove the remaining ducting and unclip the wiring.



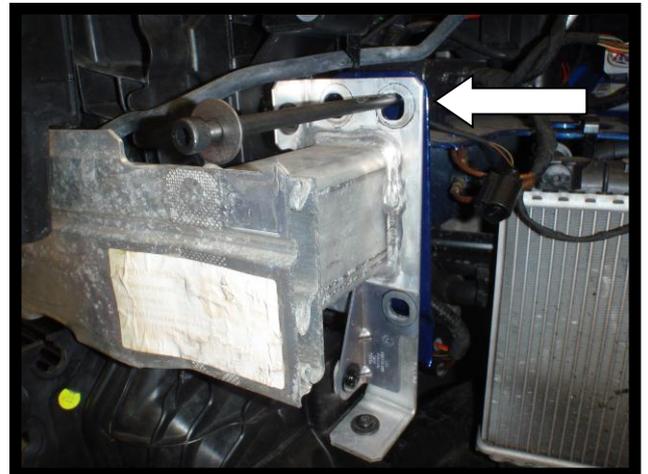
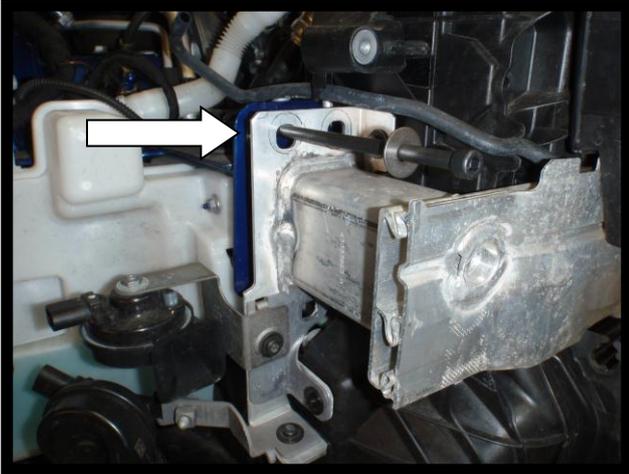
16. Unclip the large plug under the filter next to the outlet of the intercooler and unclip the remaining plug from the bracket.



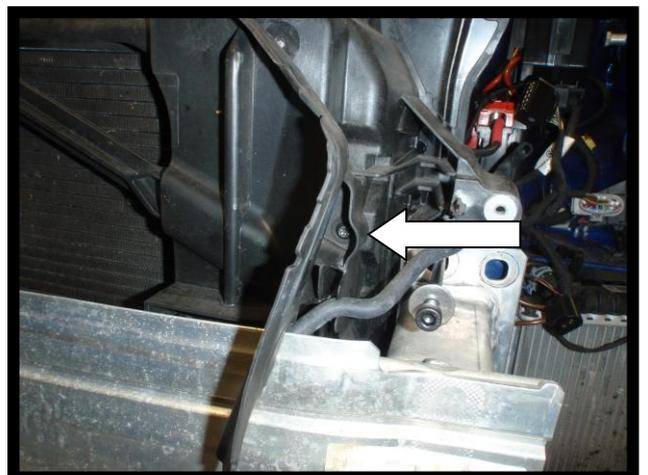
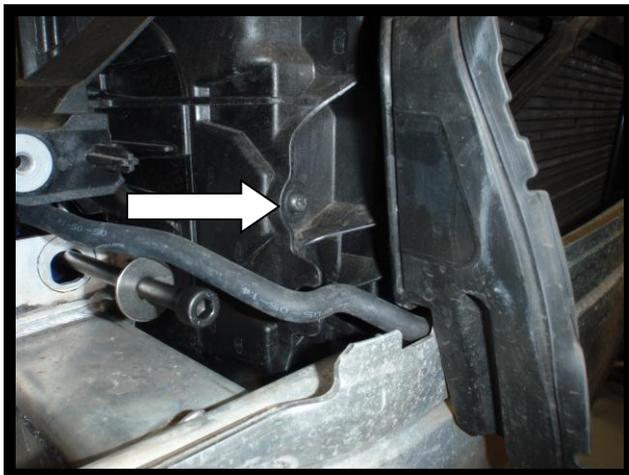
17. Undo the six 13mm bolts of the horn brackets and crash bar.



18. Screw in the long bolts supplied in the kit. These enables you to pull the radiator pack forward without it dropping to the floor.



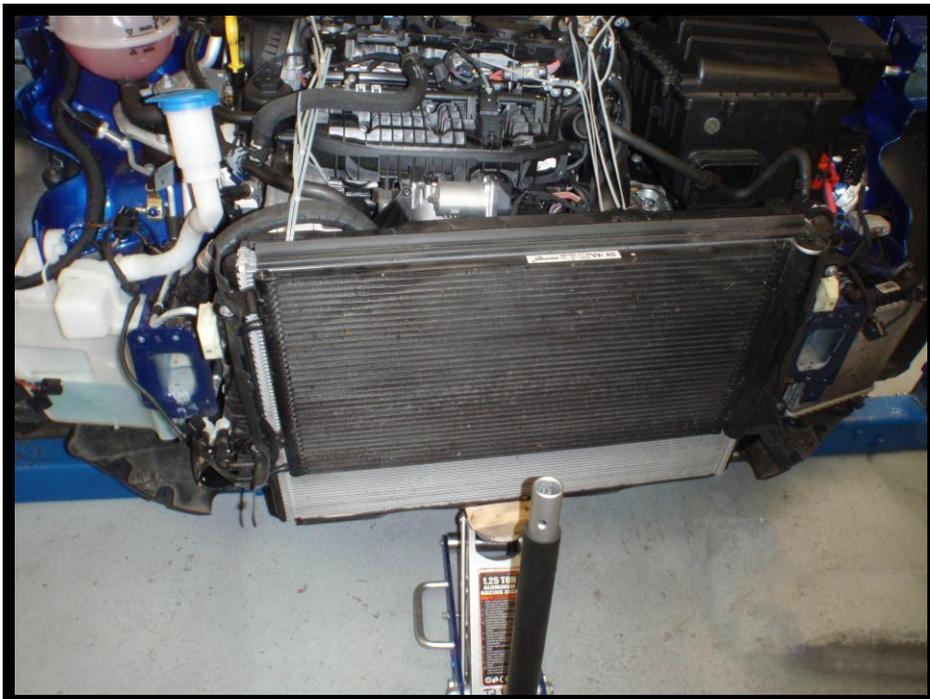
19. Undo the t30 torx on the radiator pack that will enable you to push back the radiator.



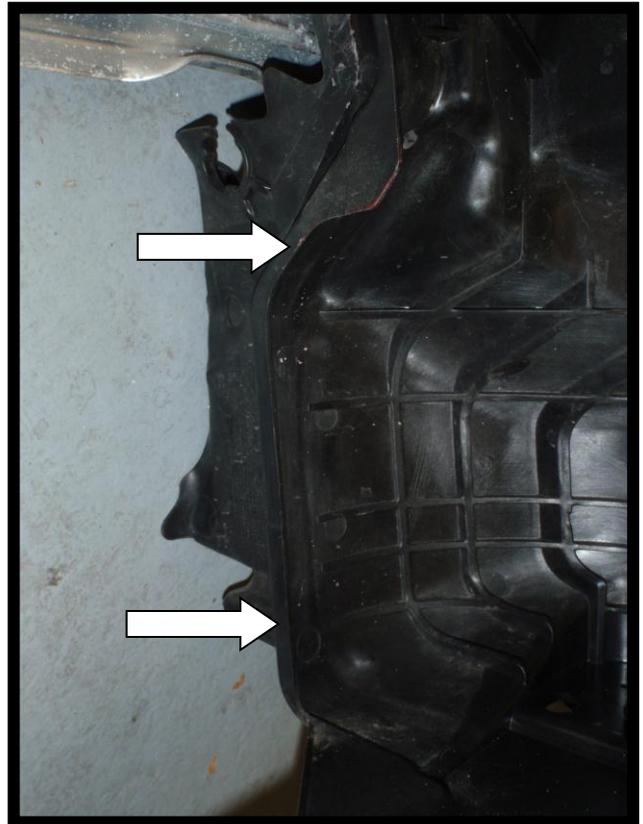
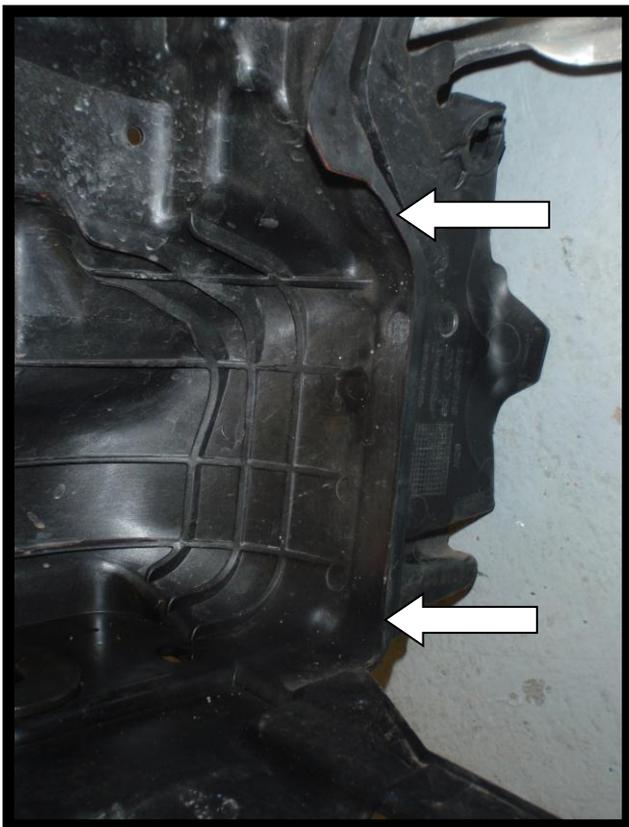
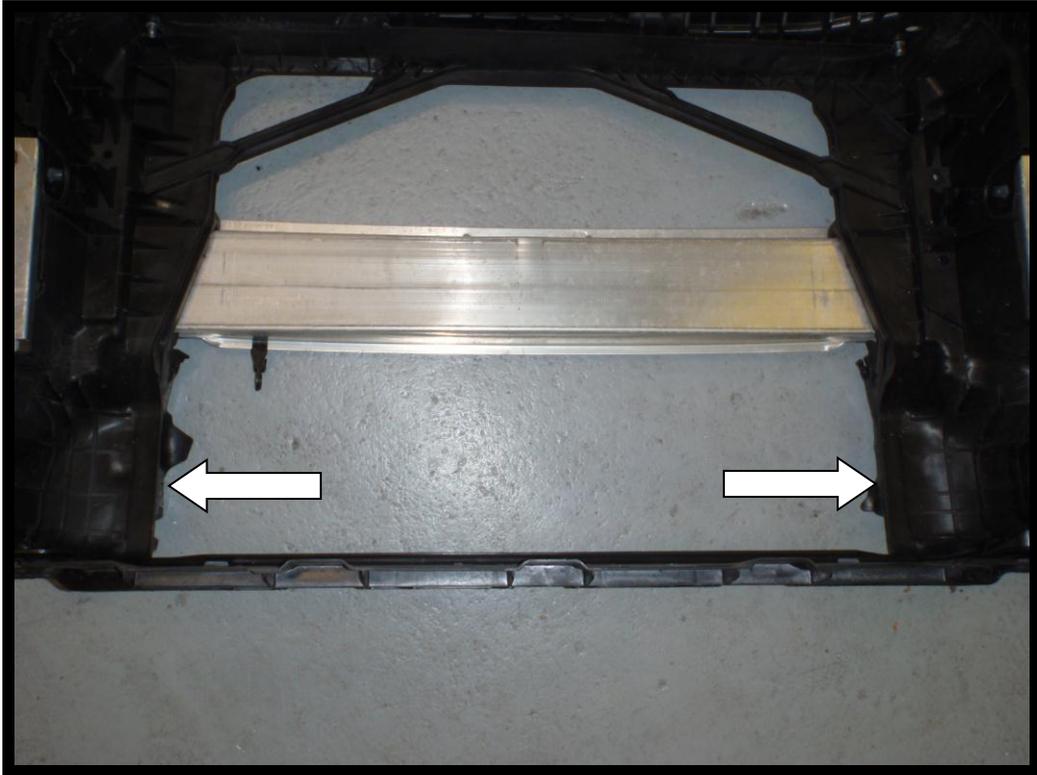
21. Use the zip ties supplied in the kit to hold the fan cover and radiator to both engine lifting eyes. These units MUST be supported when the slam panel is removed, as the A/C and rad will still be connected. This operation can be tricky; you may need an assistant. Remove the two long bolts fitted earlier pull the radiator pack forward from the top and push down.



22. Once the radiator pack has been removed the remaining radiator and air condenser can be supported with a jack.



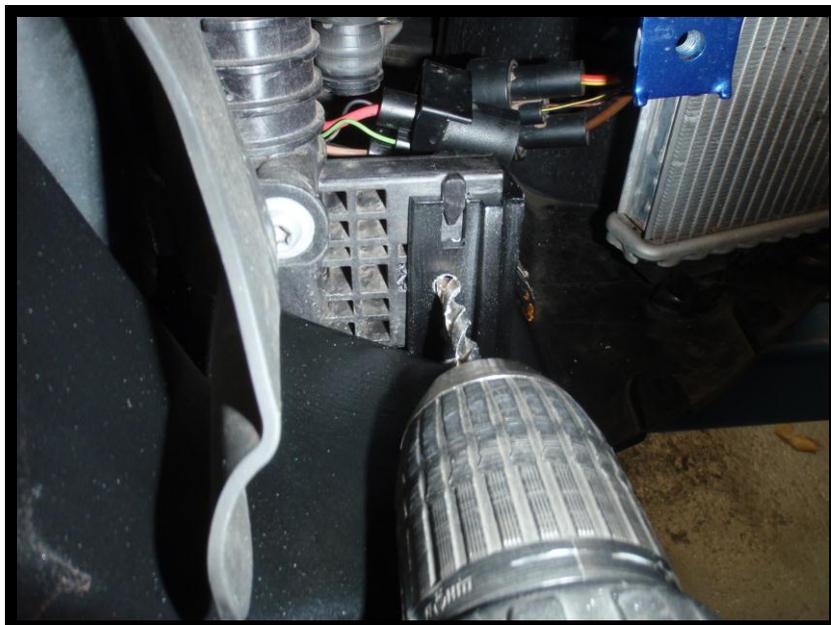
23. Trim off the small lip on the radiator cover. Placing the forge intercooler in the radiator pack will help you see the lip which hits the front of the intercooler end tanks.



24. Install the new intercooler, rad pack and crash bar following steps 9-14 in reverse order.



25. Making sure the intercooler is level with the radiator and crash bar, use a 6mm drill bit to drill a hole all the way through the bracket on the end tank and the rad pack. Using the nut bolt and washers supplied in the kit, secure the intercooler in position.



Installation is now complete ! Refit all other part following steps 19-1 in reverse order, then lower the car to the ground and enjoy your new found performance

**Engineered for performance**

