



RENAULT CLIO RS 200 EDC FRONT MOUNT INTERCOOLER INSTALLATION



TOOLS NEEDED:

T27 ,T20 TORX DRIVES

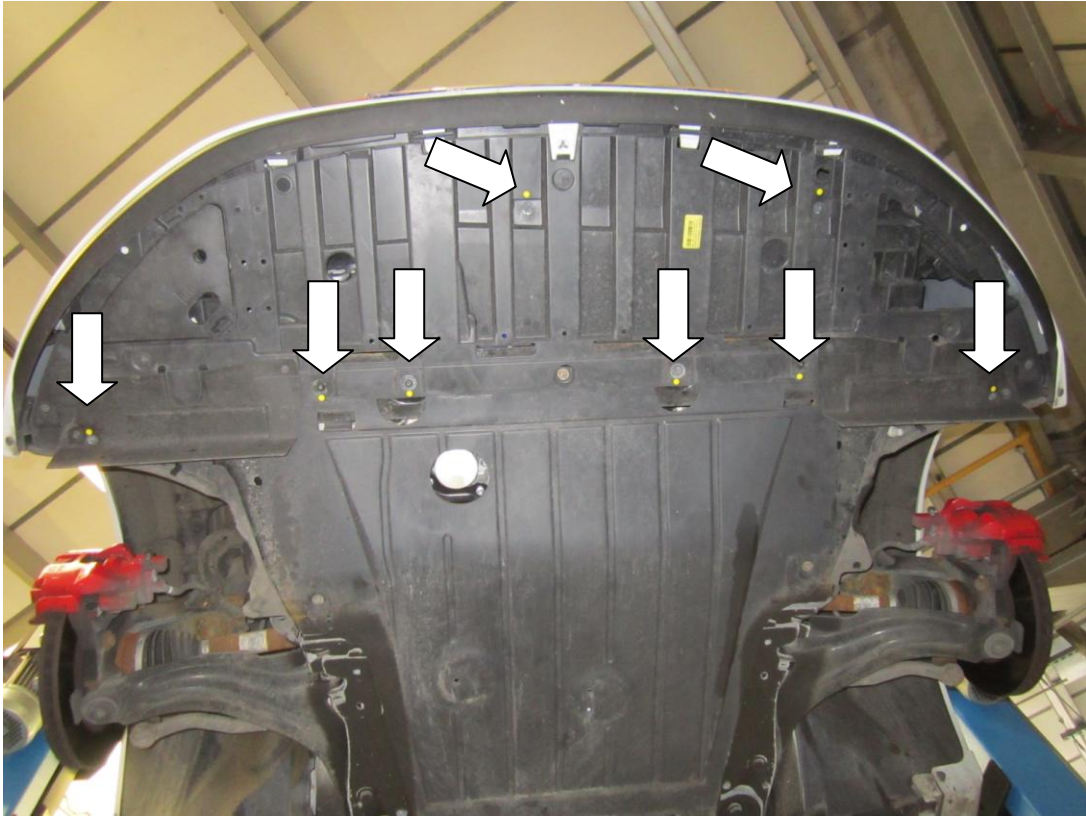
7MM,10MM,13MM,17MM SOCKETS AND RATCHET

7MM DRILL BIT AND DRILL

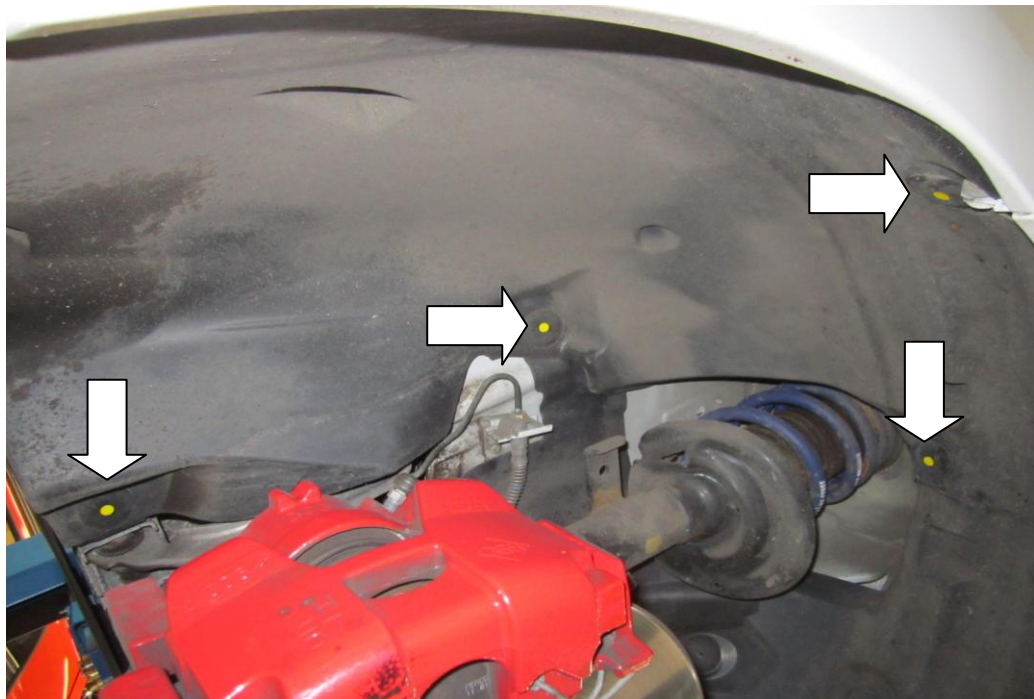
FLAT BLADED SCREWDRIVER

To fit this front mount intercooler Forge Motorsport recommend the use of a car ramp

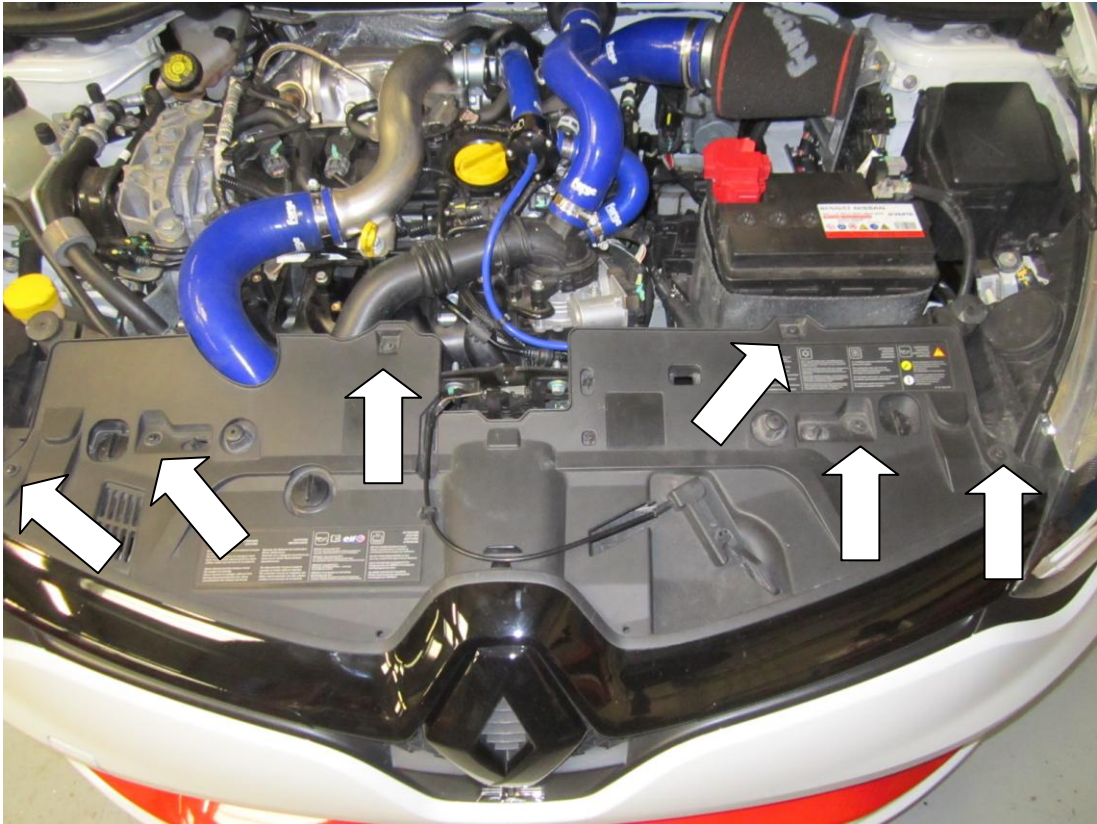
1. Park the vehicle on a flat level surface and remove your vehicles front wheels. Ideally a car ramp is best suited for this install, however suitable axle stands may be used.
2. Remove your vehicles undertray using your T20 and T27 torx drives.



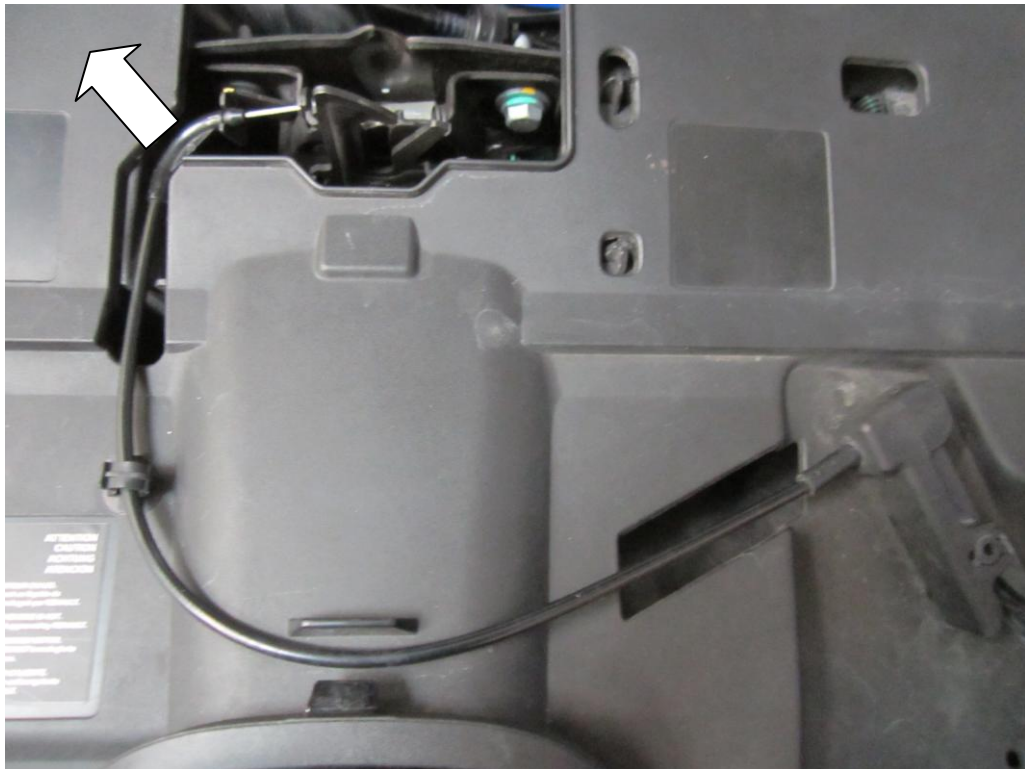
3. Remove the trim clips on each inner arch. There are 4 in total, then remove the arch liner.



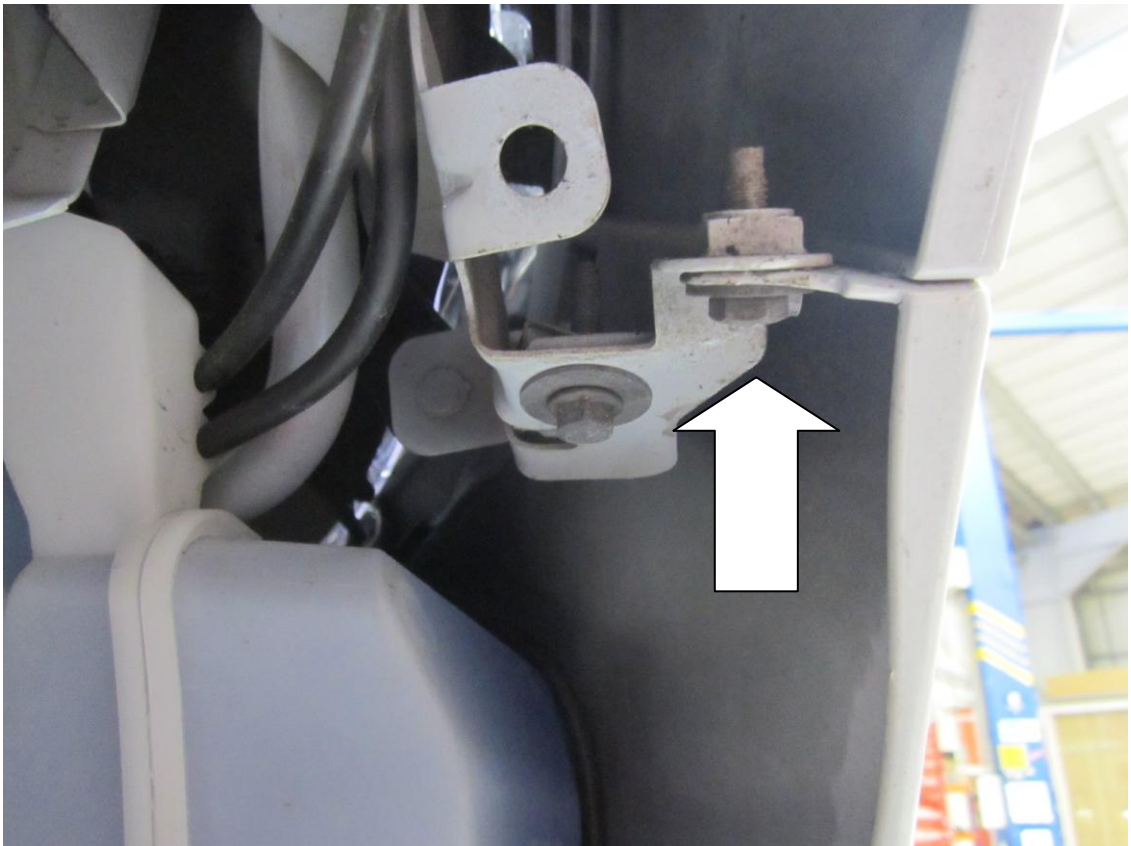
- Using your T20 undo the 2 torx fasteners on the scuttle panel, then using your T25 undo the 4 torx fasteners on the scuttle.



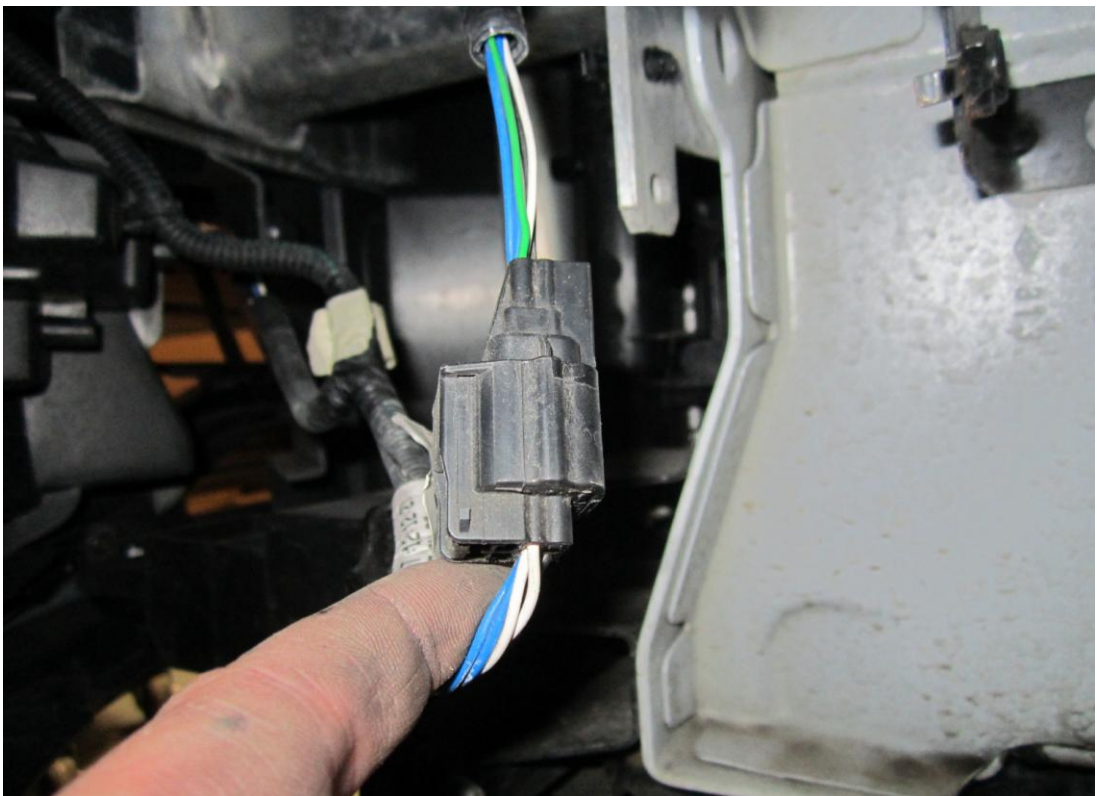
- Disconnect the bonnet pull by pulling on the cable housing in the direction shown.



- Using your 10mm socket remove the bolts that hold the bumper to front wings.



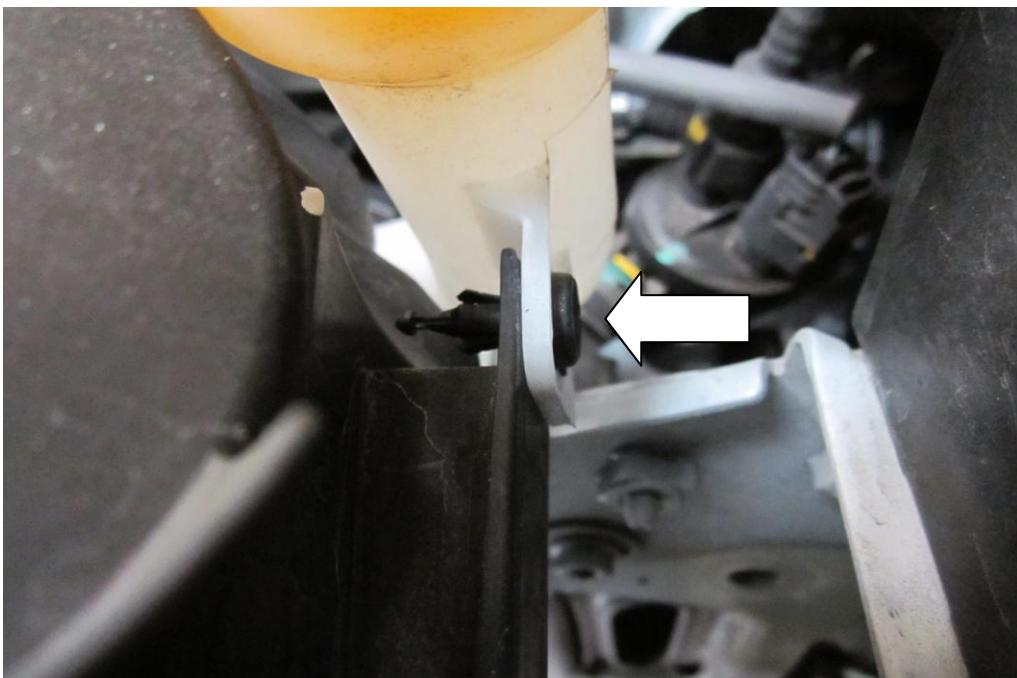
- Disconnect the loom to the DRLs found inside the passenger wheel arch on RHD vehicles.



8. Now by pulling each side of the bumper where it meets the wings, you will be able to remove the bumper.
9. Remove the two clips that hold the loom to the bumper then using a 17mm socket undo the bolts that hold the crash bar in place.



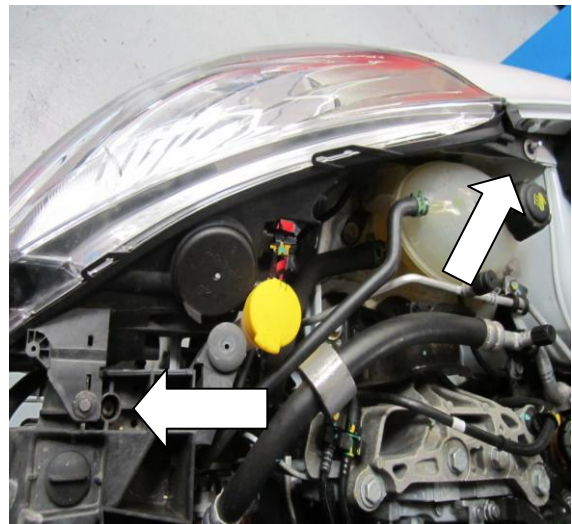
10. Remove the clip that holds the washer bottle neck in place.



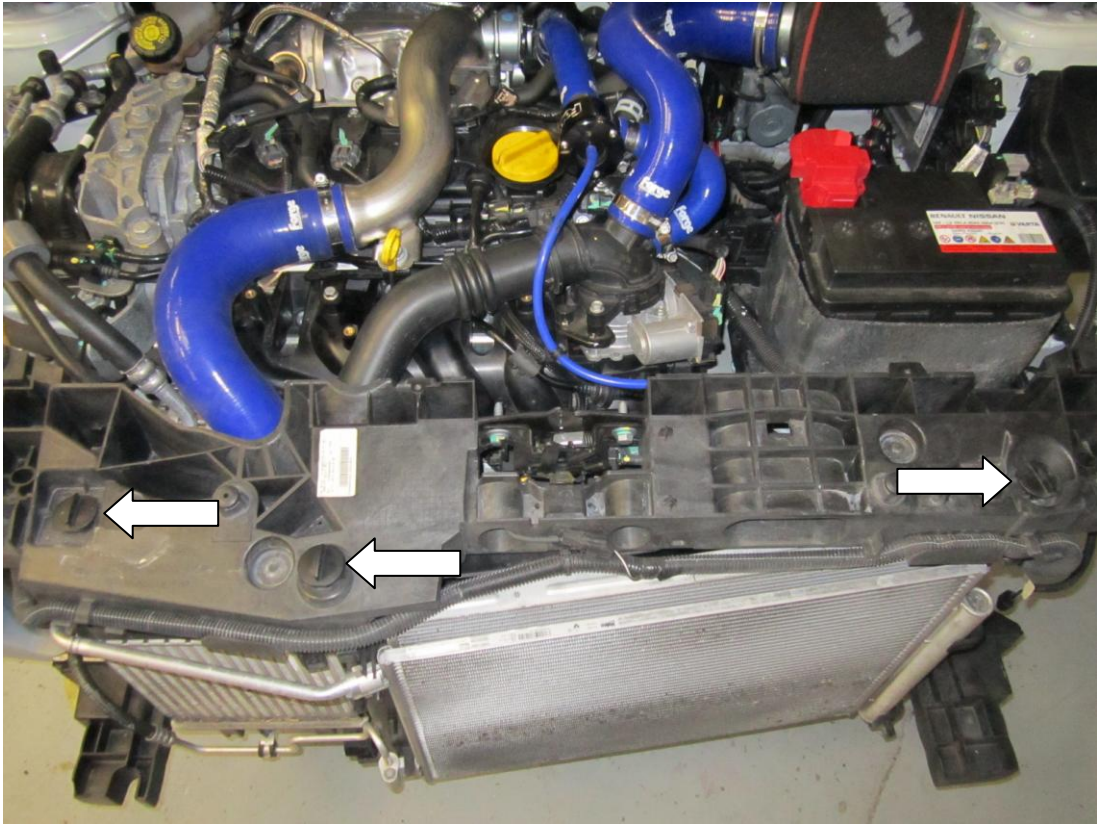
11. Now remove the loom from each headlight, by pulling back gently on the yellow tab, then unclip the loom.



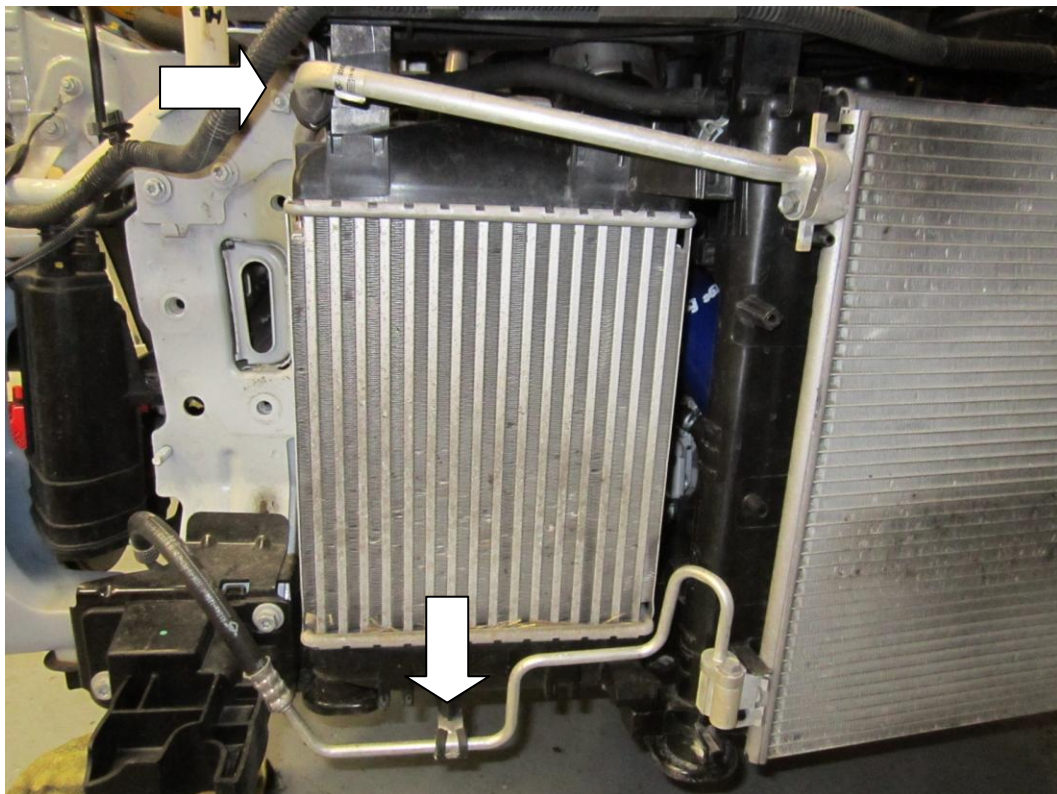
12. Now using a 10mm socket remove the 3 fasteners that hold the headlight in place, then remove the headlights.



13. Now remove the 2 radiator clips and the 1 intercooler clip on the slam panel by turning them anti clockwise.



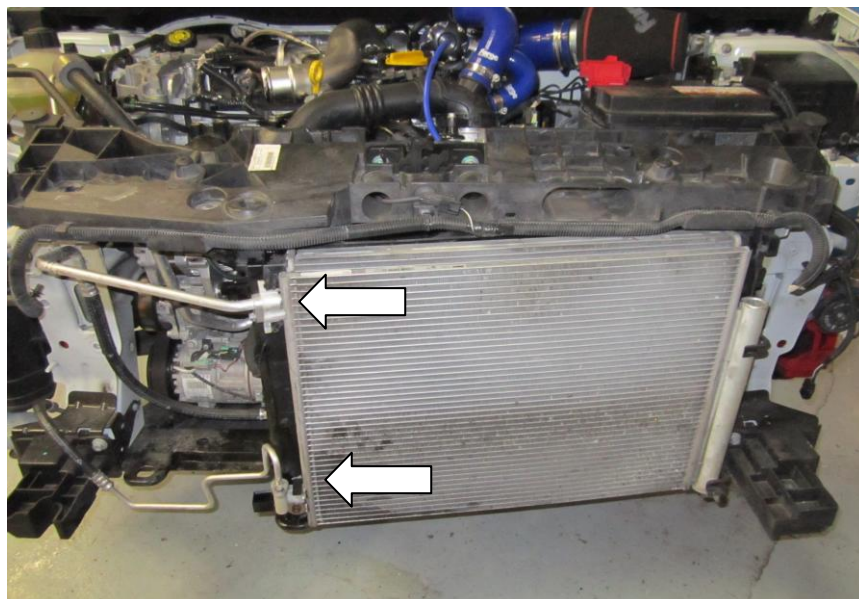
14. Using a 7mm socket remove the p clips that hold the condensor pipes in place.



15. Now remove the two fasteners with your 13mm socket that hold the slam panel in place, then remove the slam panel.



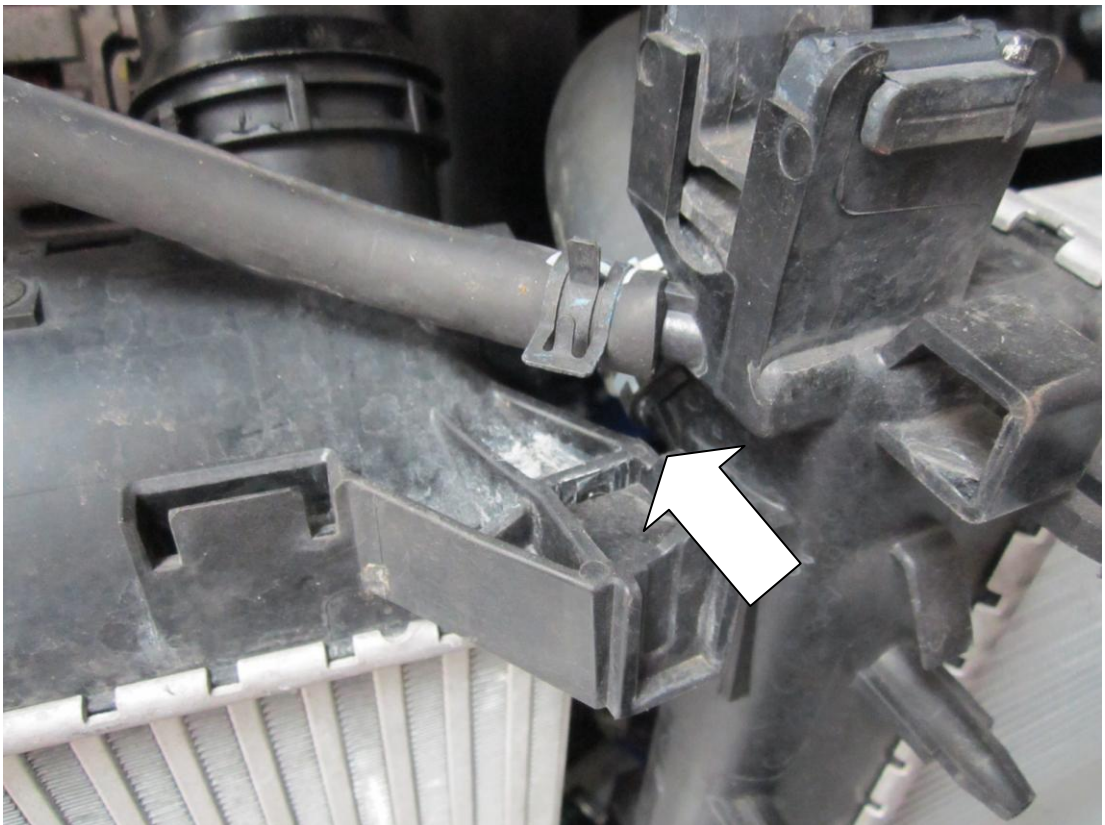
16. Now by pushing in the the clips on the condensor and pulling gently, remove the condensor from its locating points and slide towards the drivers side. Be careful not to damage the condensor or pipes.



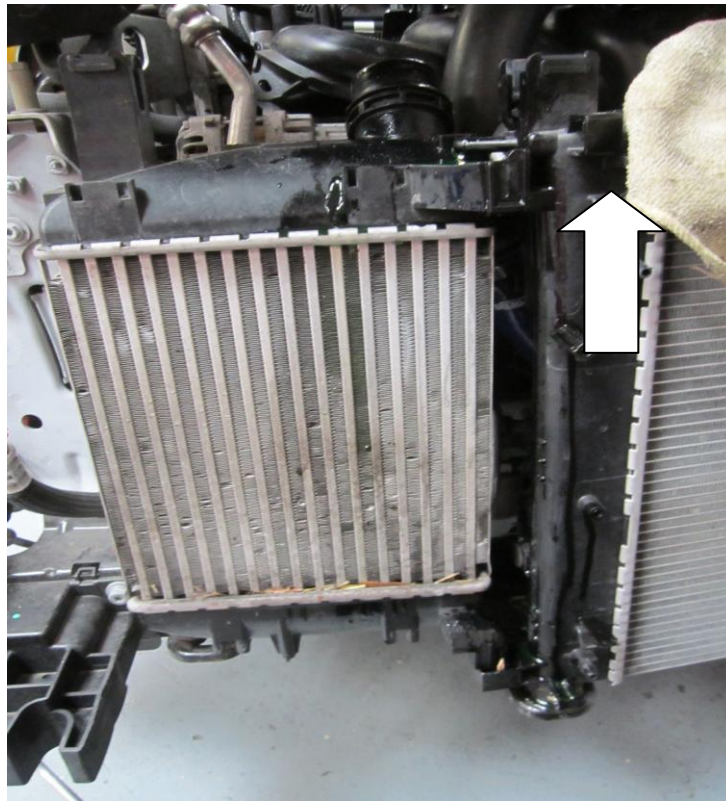
17. Undo the clips to the intercooler hoses.



18. Remove the radiator overflow hose ,Make sure you block this off with a bolt or your will loose all your coolant from your expansion tank.

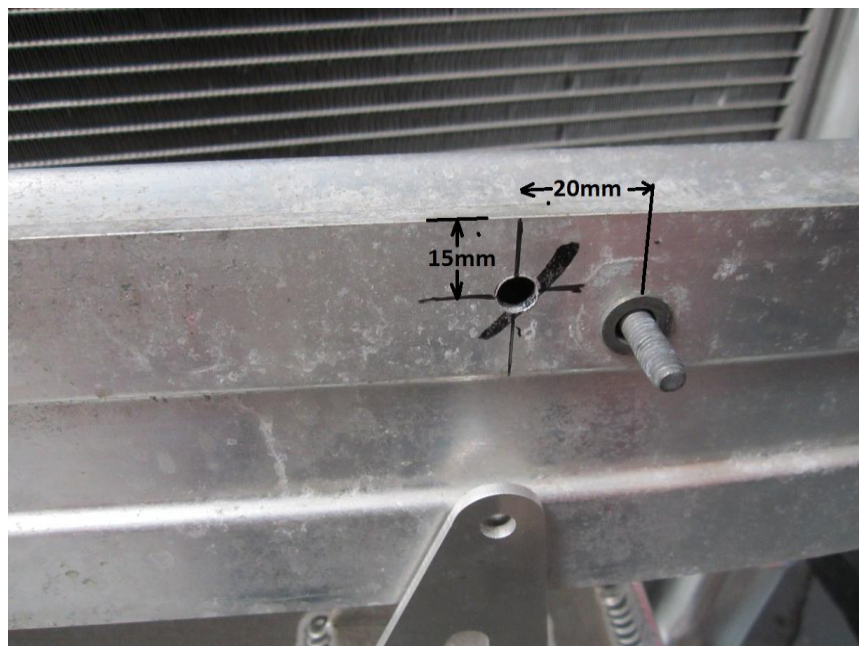


19. Now remove the intercooler, this lifts out of the sub frame and radiator mounts.

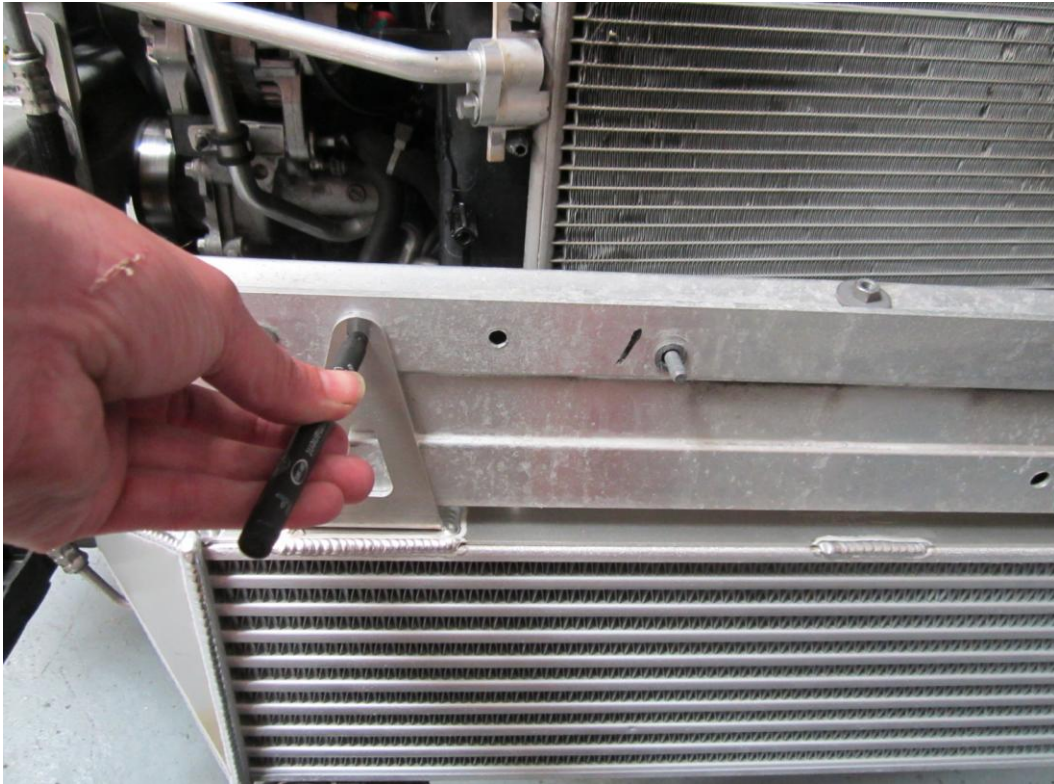


20. Refit the slam panel and the condensor then refit your crash bar.

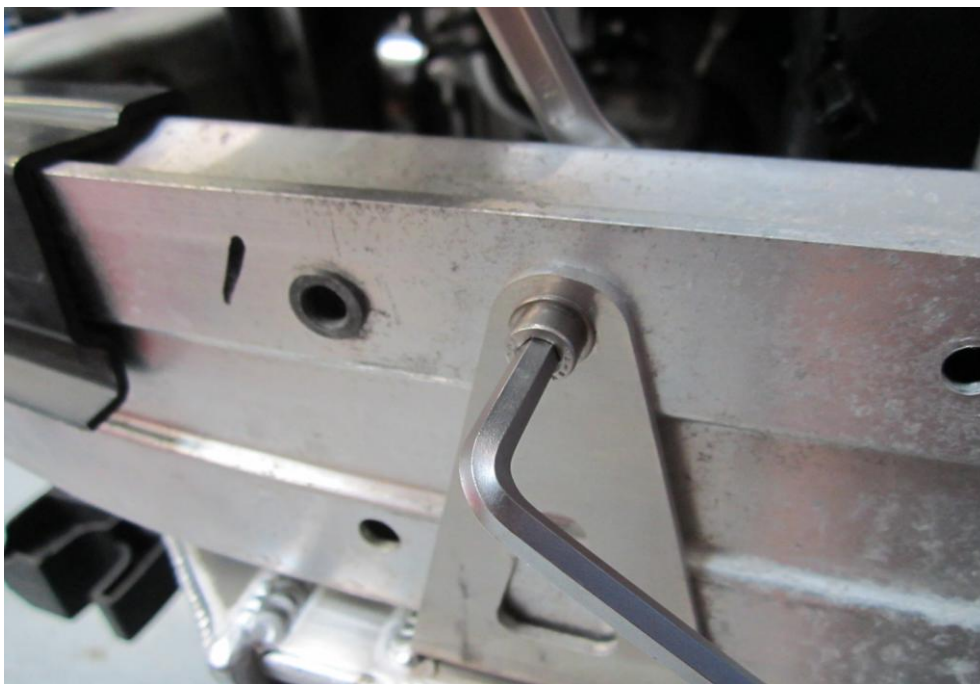
21. With your crash bar refitted, mark the holes for mounting your new front mount intercooler. Start with the hole on the right hand side when viewing the car from the front. We simply held the intercooler in position and marked through the brackets.



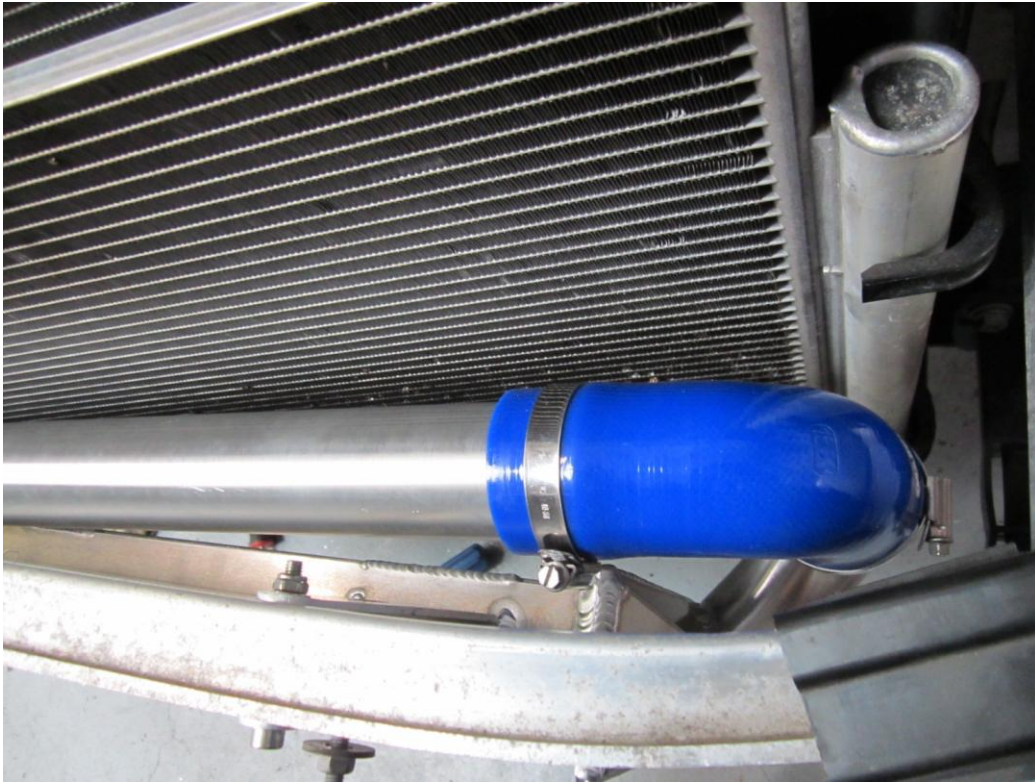
- 22.** Now this is marked use a 7mm drill bit to drill the hole. Then place the 6mm Allen cap provided through the bracket and hole, and swing the intercooler up into position to mark a hole for the other mounting bracket .



- 23.** Now again using your 7mm drill bit drill the second hole then use another of the allen caps provided to mount into position. Use your 6mm allen key and 10mm spanner to tighten both of these fasteners.



24. Now fit the 90 degree silicon elbow and hard pipe to the right hand side of the intercooler when viewed from the front of the vehicle. Do not tighten the hose clamps yet.



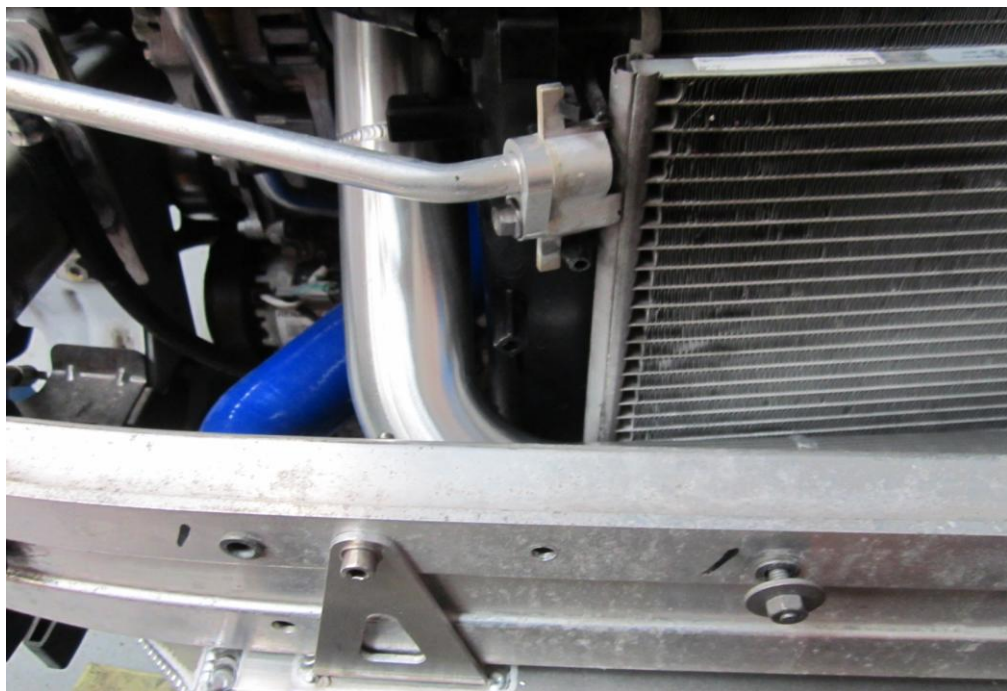
This feeds to the upper boost hose.



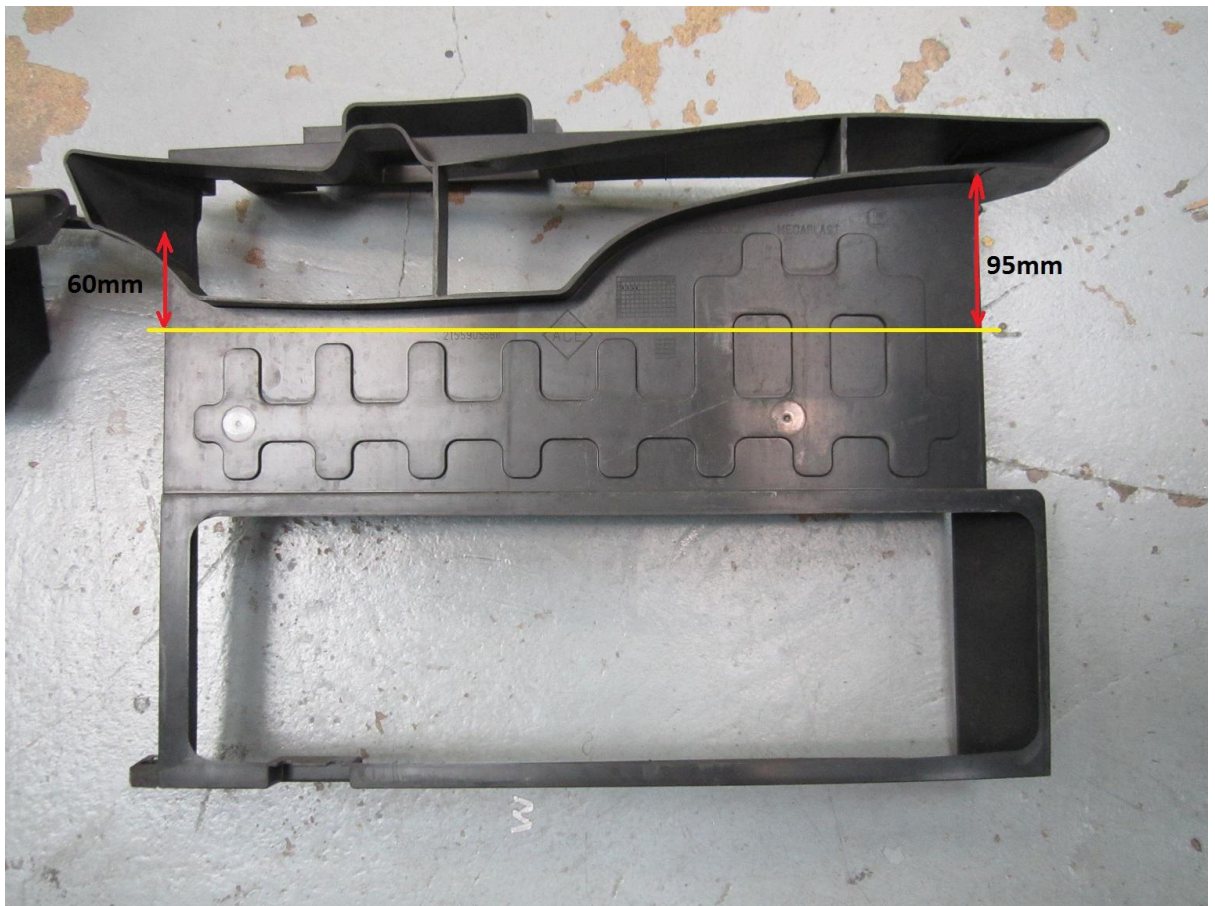
25. Now fit the p-clip around the hard pipe and mark your final hole to drill in the crash bar. Again use a 7mm drill bit then using your 6mm allen key and 10mm socket tighten into position. **This p-clip must be fitted in order to stop the hard pipe rubbing the condenser.**



26. Now fit your lower boost hose then tighten all of your hose clamps.



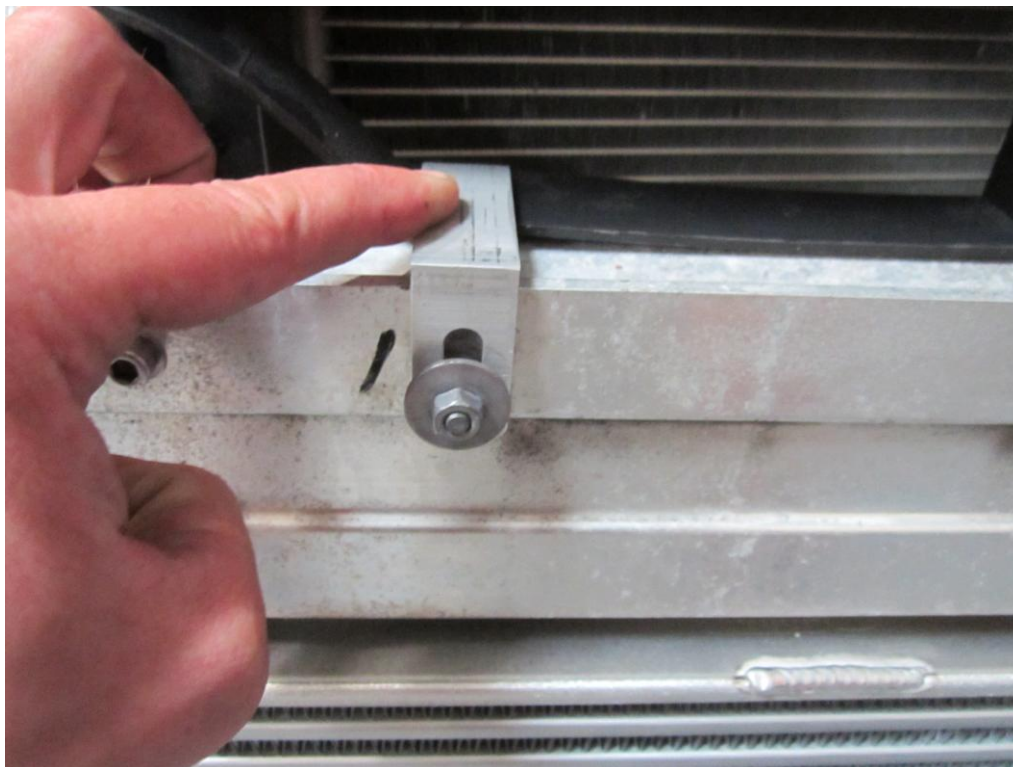
27. Now mark your radiator cowling as it needs to be cut down in order to refit it. Mark along where the yellow line is in the picture then use an angle grinder with a slitting disc or a sharp craft knife to cut the plastic be careful during this operation.



28. Once this has been cut down, fit the cowling into position.



29. Using the bracket provided clamp the cowling into position by pushing the bracket downwards, and then tighten the nut with your 10mm socket.



30. Follow steps 1-18 in reverse order to re assemble your vehicle and complete your installation.

31. Take your vehicle for a test drive and enjoy your new found performance.

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