Audi RS3 (8V chassis) Intercooler Instructions with ACC (adaptive cruise control)

Tools Required:

Flat headed screw driver

T15 Torx Drive

T20 Torx driver

T25 Torx driver

T30 Torx driver

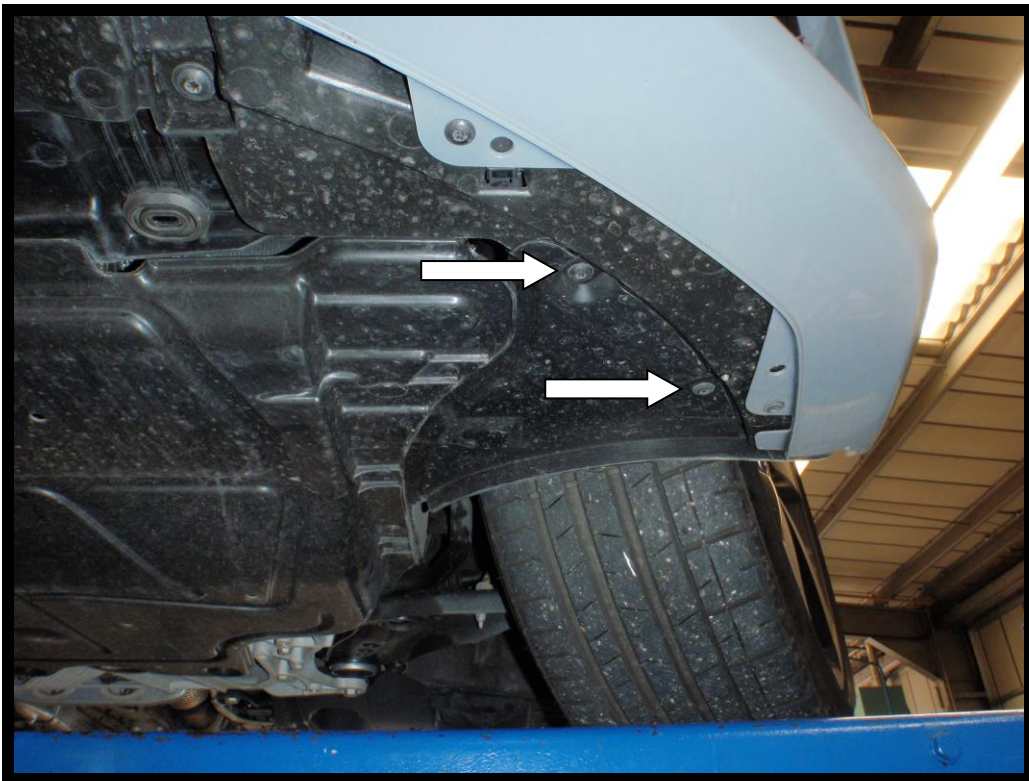10mm and 14mm deep socket and matching ratchet

Plastic trim remover

7mm hose clamp driver

1. Jack the car up; secure it on axle stands and remove the T25 torx screws from the arch liners.

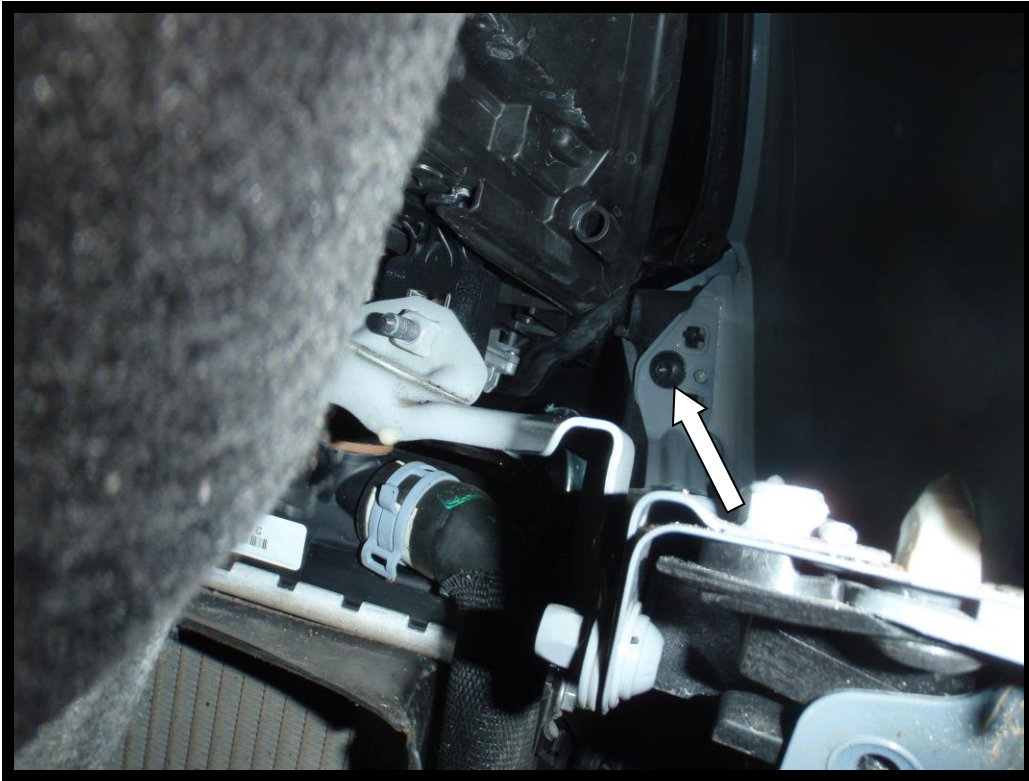2. Remove the T25 torx screws under the front bumper on each side.

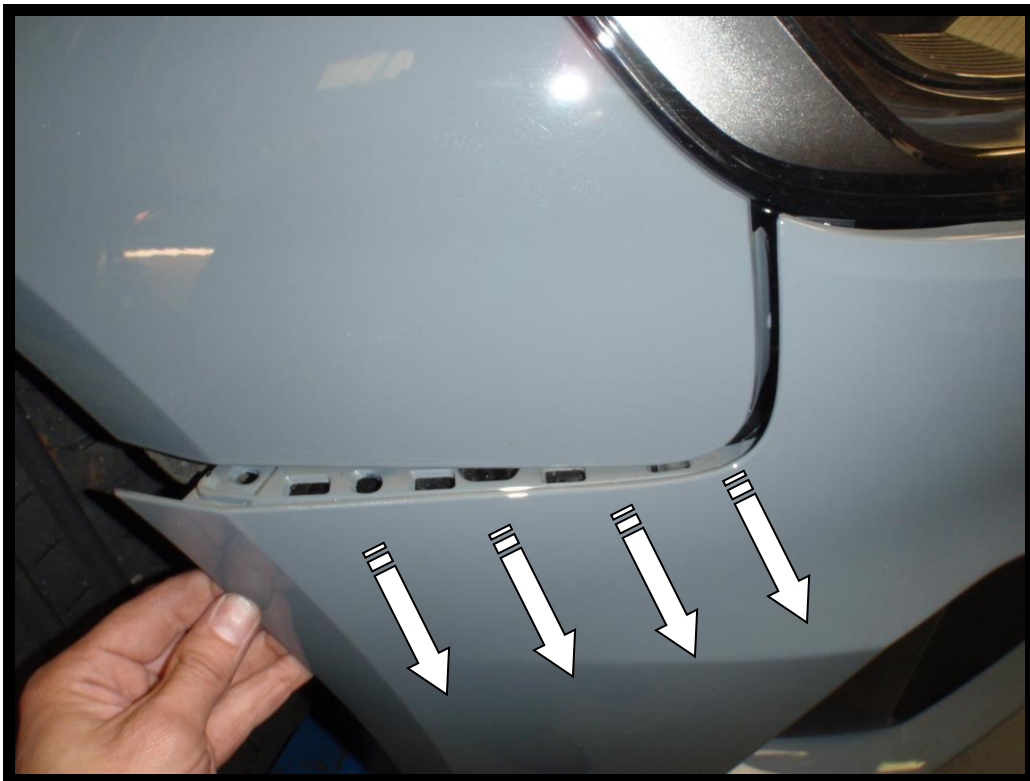3. Remove the three T30 torx screws at the front of the under tray.

4. Moving back to the inner arch remove the T25 and T30 torx screws from the plastic bracket holding the bumper to the wing.

5. Remove the T30 torx from the back of the light. This is hard to see and reach but you can access from the inner arch.
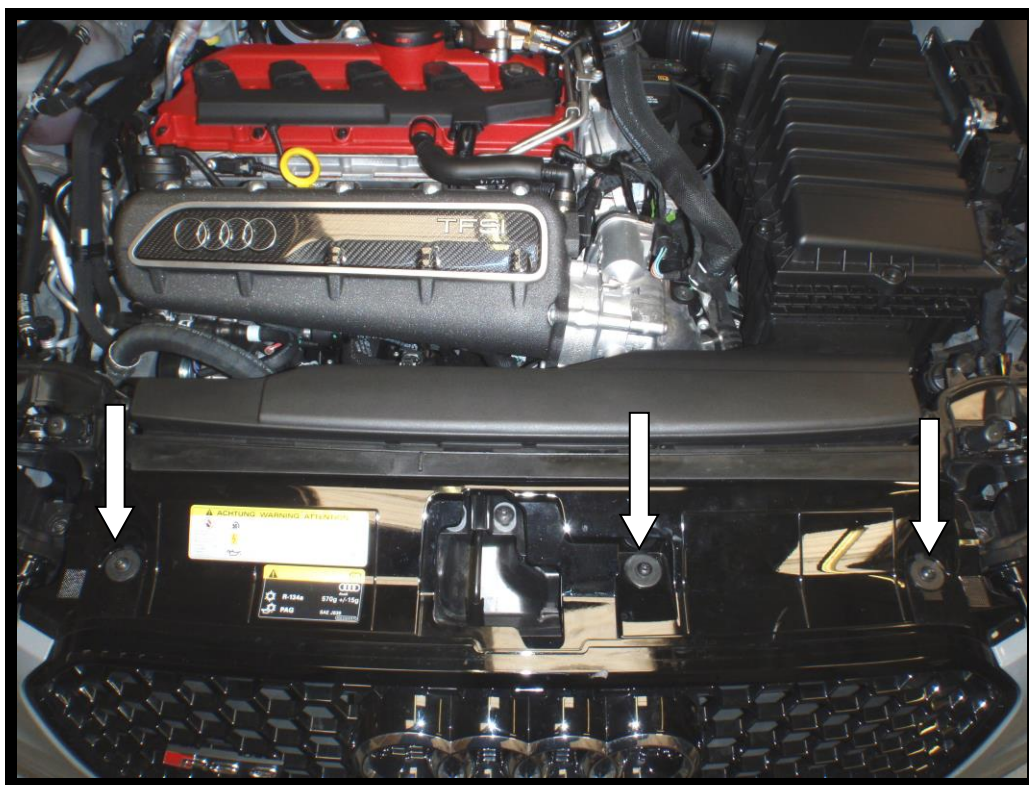

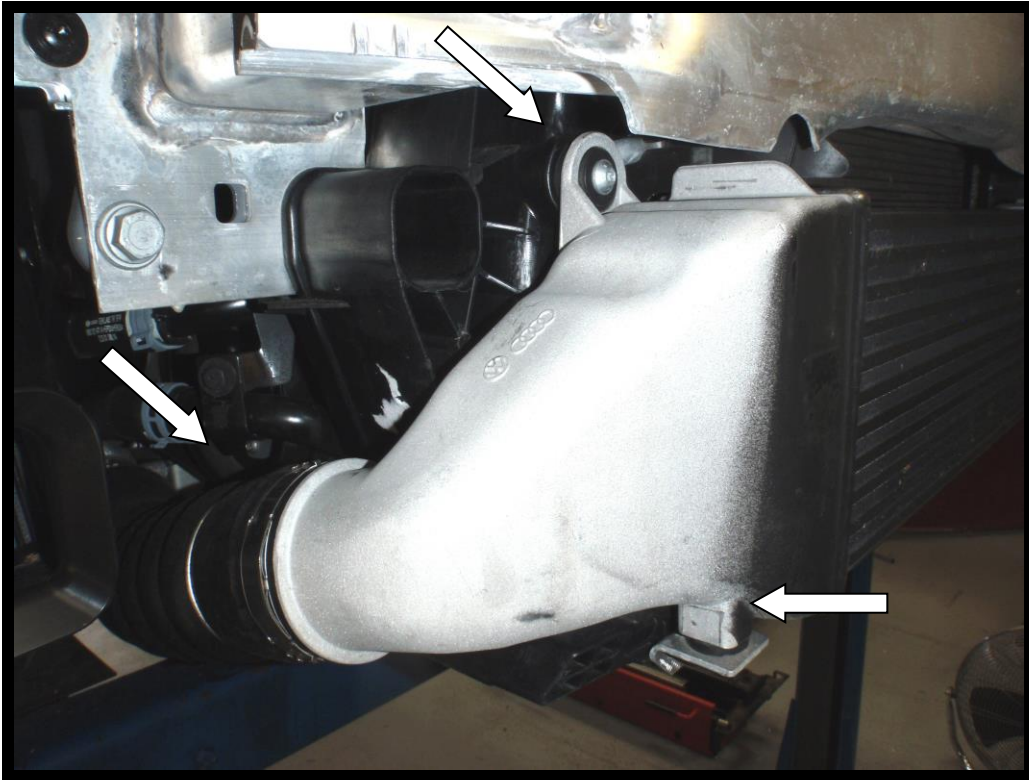
6. Pull the bumper out at the sides.

7. Moving to the front of the vehicle, remove the T30 torx screws. Disconnect the headlight washer pipe located behind the bumper on the passenger side then remove the bumper.
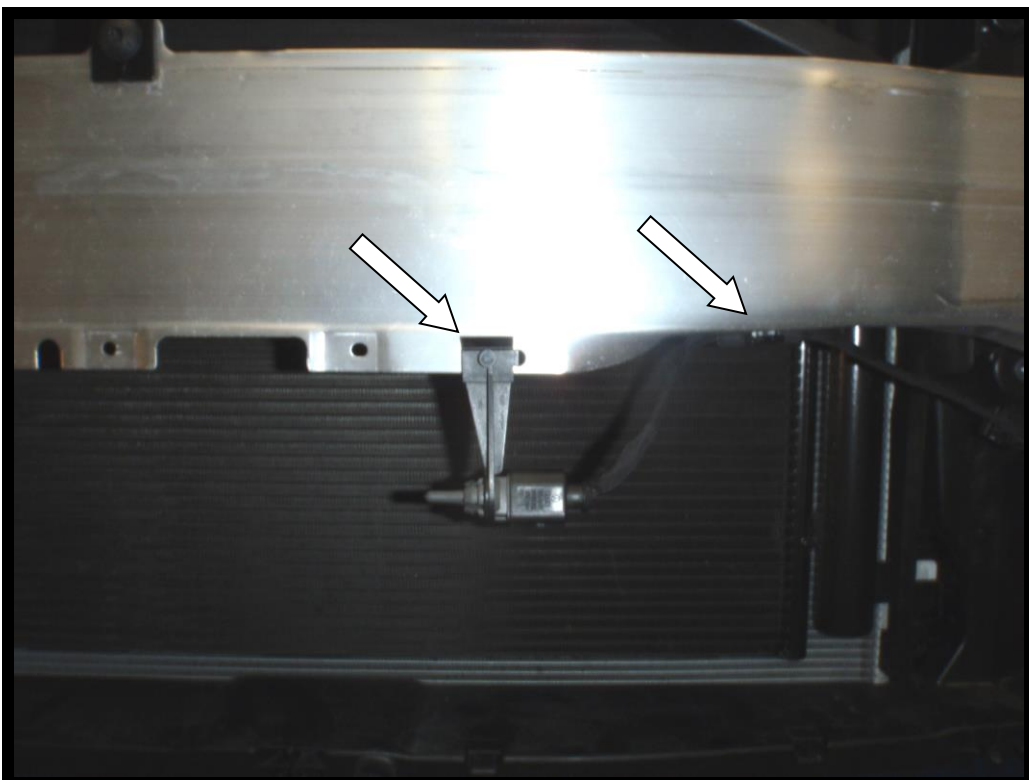

8. Remove the plastic wing clips to enable removal of the lights.

9. Remove the T30 torx from the top and bottom brackets, keeping the bolts and brackets for later use, and undo the hose clamps on both sides.

10. Unclip the the air temprature sensor by pushing the small pin out. Be careful not to lose it as it will be reused later, then unclip the wiring from the crash bar.
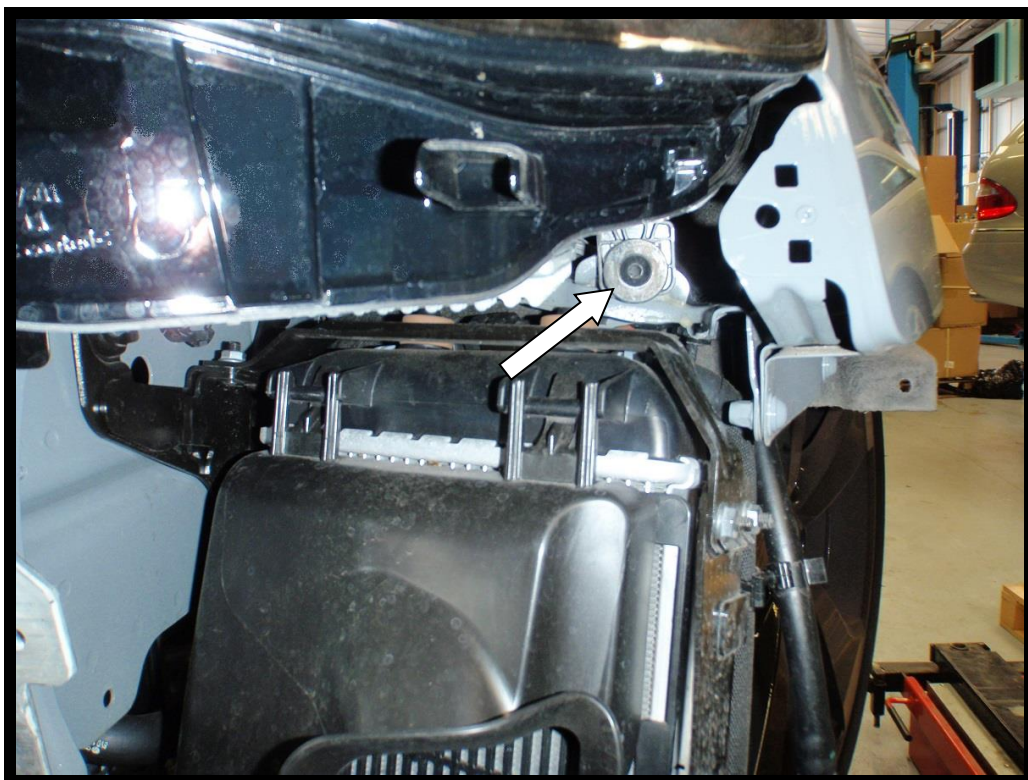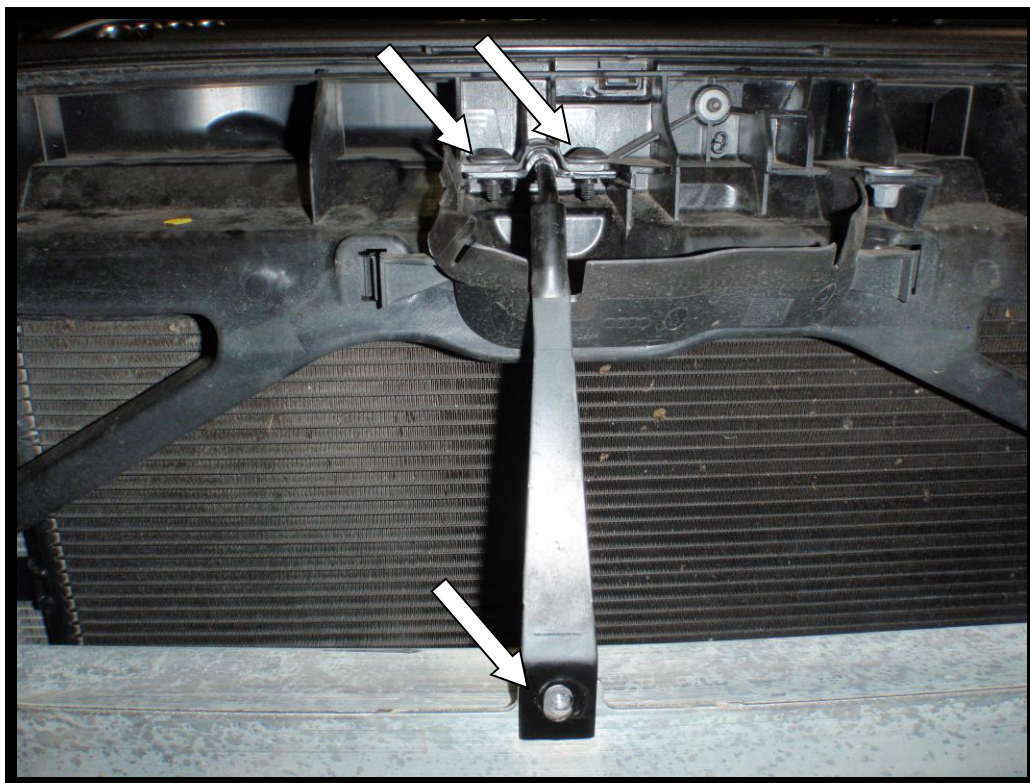
11. Remove the T30 torx and unclip the wiring to the front lights.

12. There is also a T30 torx at the bottom of the light. Remove this and then the lights are free to remove.

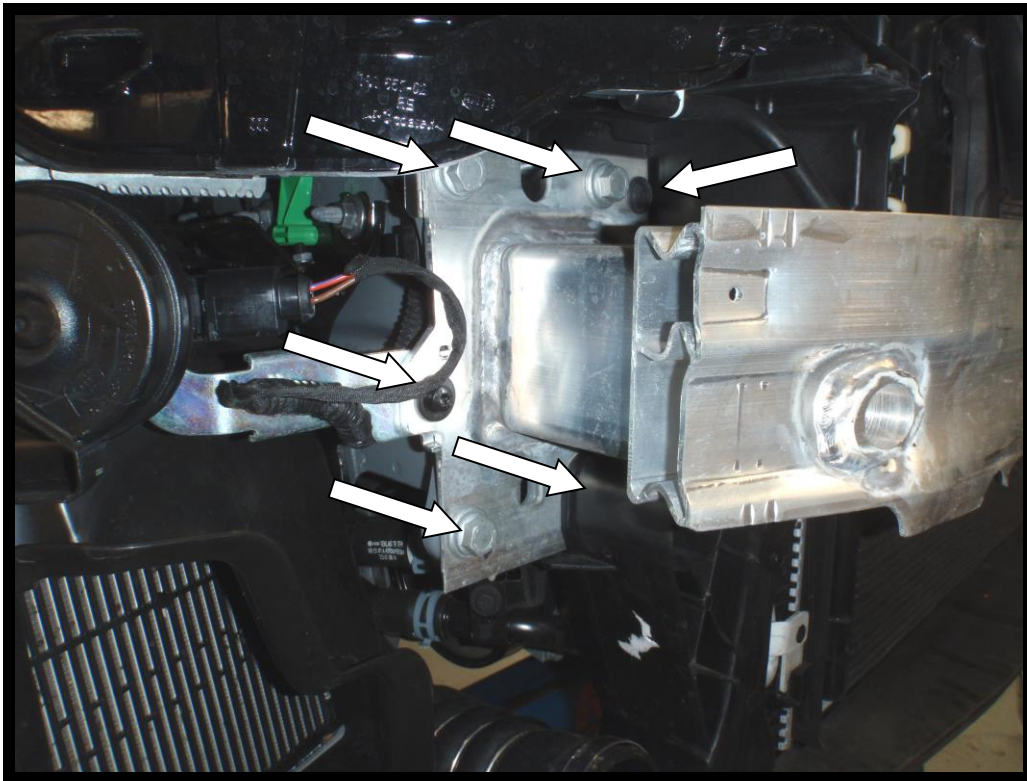13. Remove the T30 torx and remove the bonnet clip.

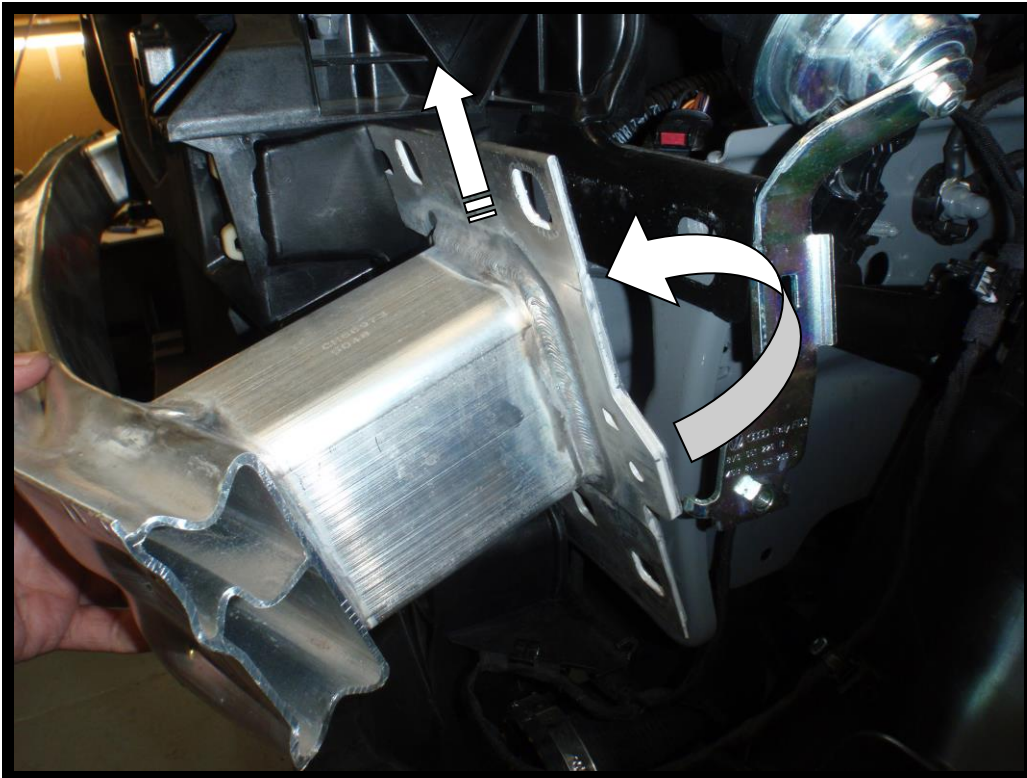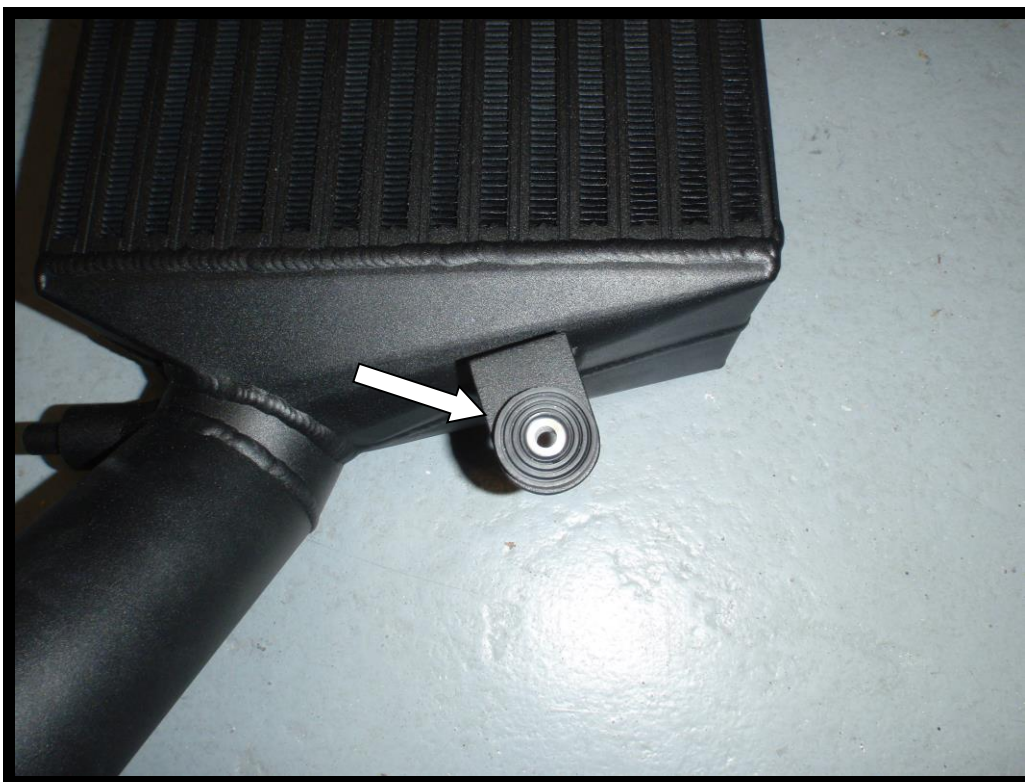14. Remove the ACC module and disconnect the wiring loom.

15. Remove the 14mm bolts and T30 torx from the crash bar.

16. Rotate the crash bar and lift upwards and out to remove.

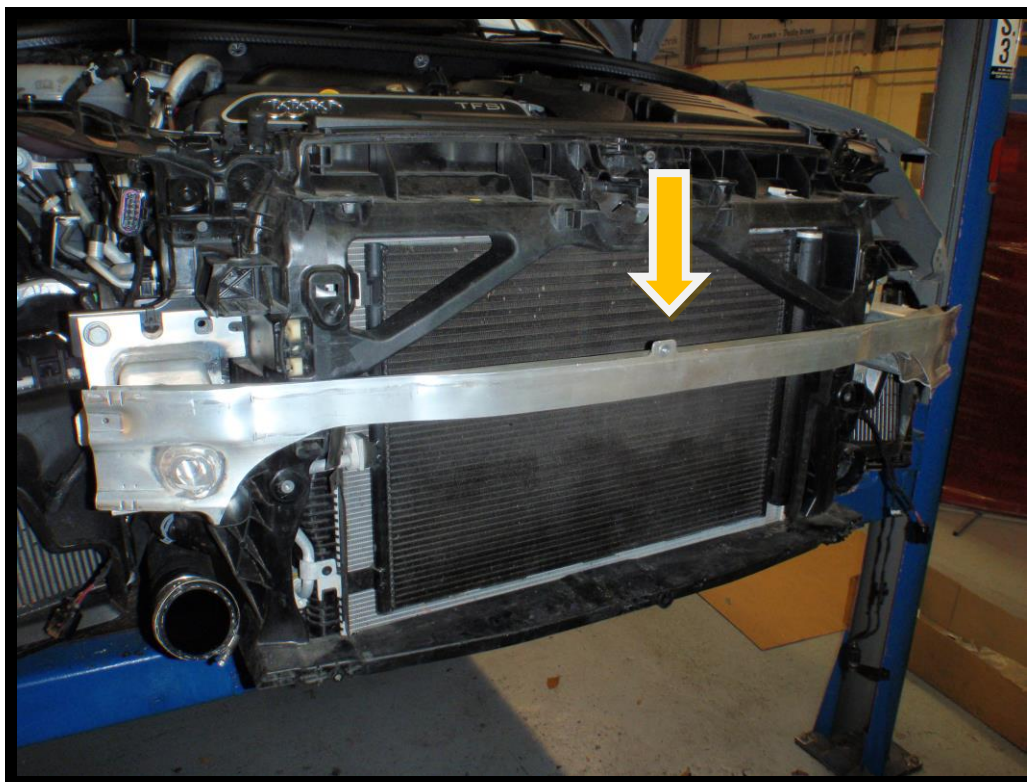17. Insert the rubber grommet and aluminium spacer supplied in the kit into the new intercooler.

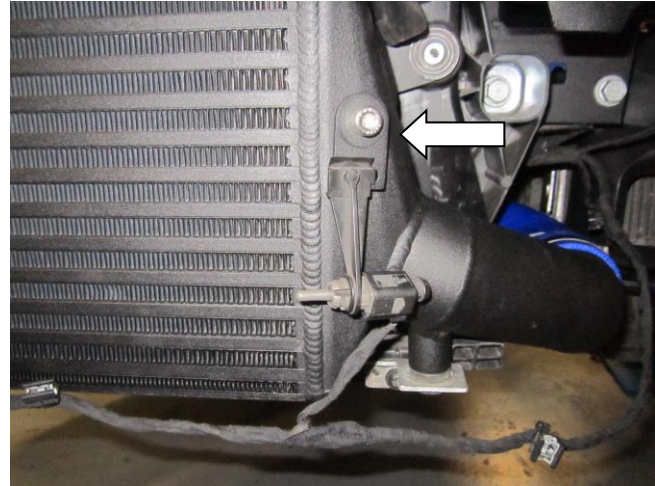18. Attach the air temperature sensor to the bracket supplied in the kit.
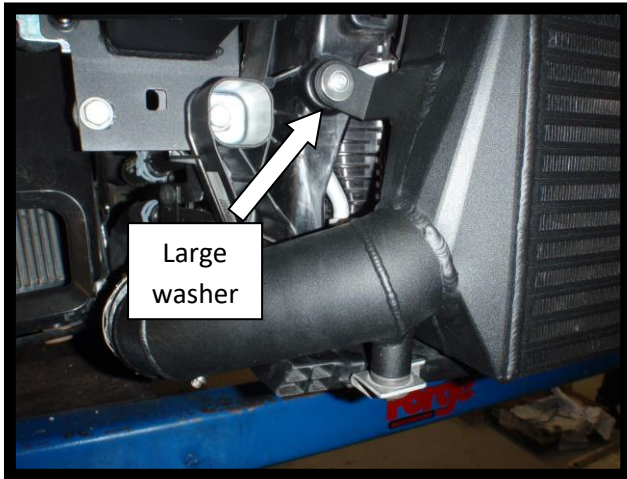
19. Install the new crash bar in reverse order of removal.

20. For vehicles with a US spec front bumper please fit the bracket pictured below ,This will enable you To fit the crashbar provided correctly.The bracket locates where arrowed yellow in the picture above .

21. Install the new intercooler in reverse order of removal, reuse the brackets and bolts from the OEM intercooler. Using an M6 Allen key, attach the air temperature sensor to the boss on the right hand intercooler end tank.
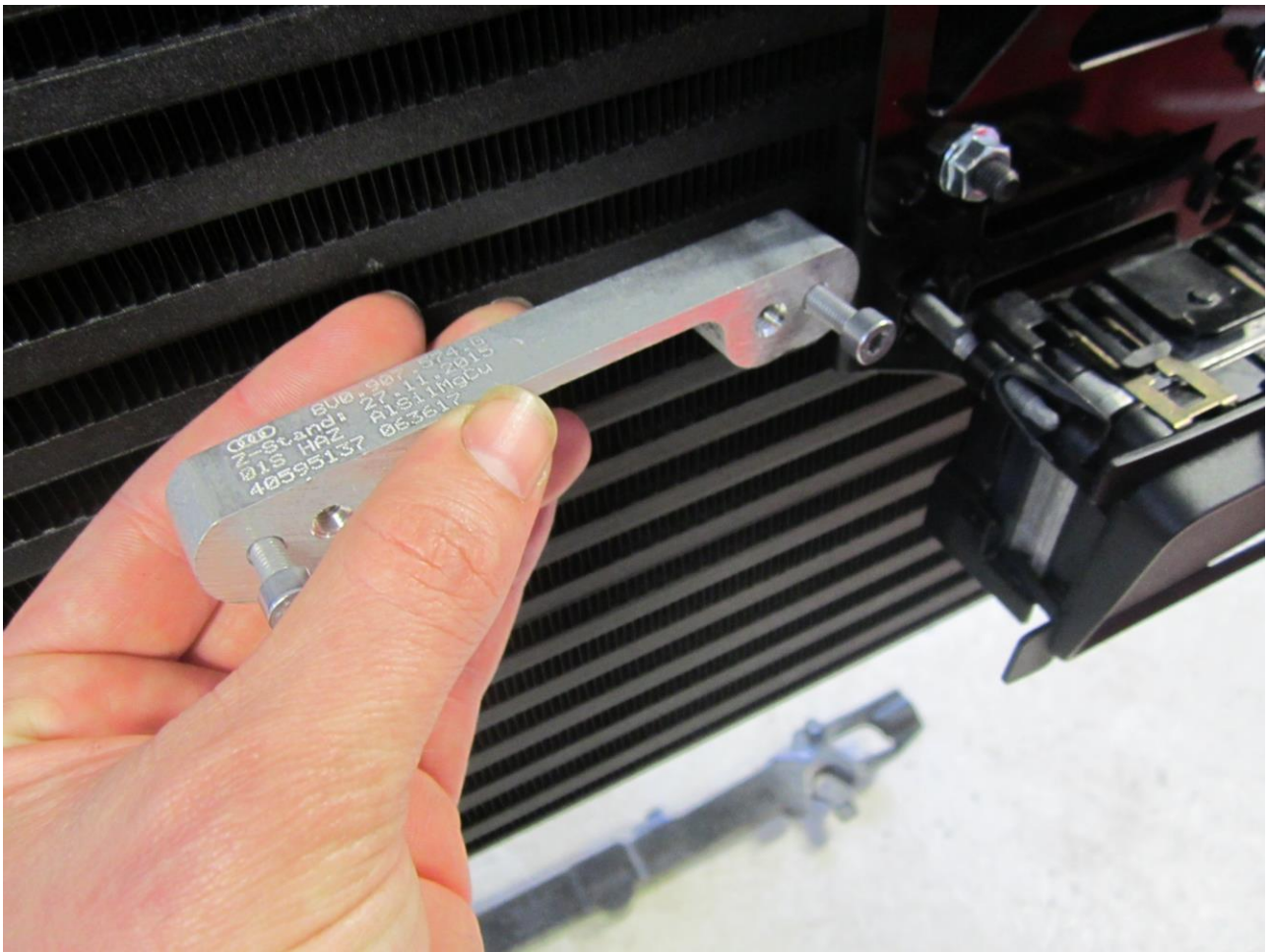

Large washer

22. Fit the ACC module to the new bracket provided. This can now be fitted to the crash bar, and reconnected to the wiring loom.
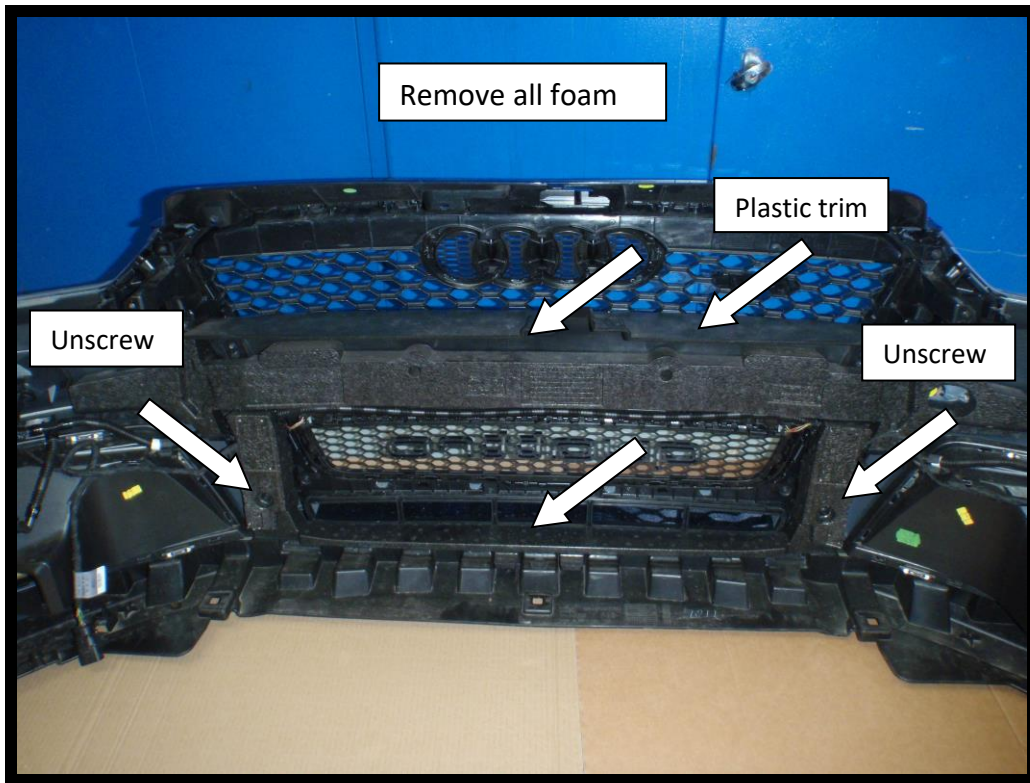

23. For facelift models ie DAZA engine code a different ACC module is used please remove the oem bracket as pictured below and mount using the OEM fasterners and m6 flange nuts provided.
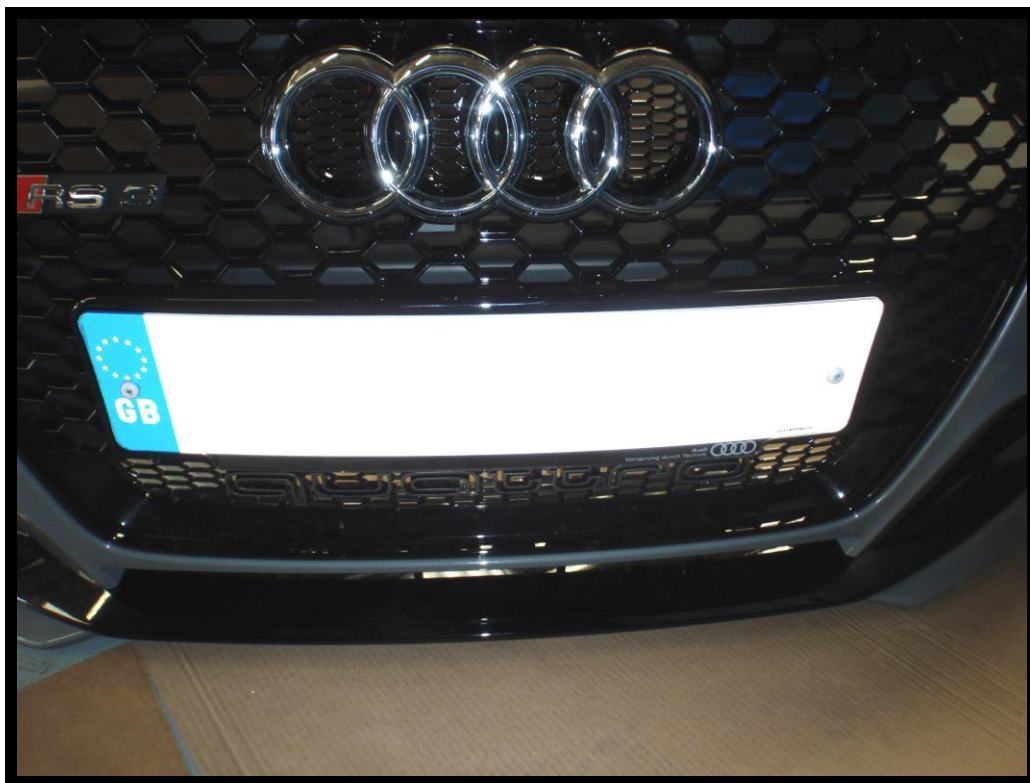
24. Remove all the foam and the plastic trim from the back of the bumper.

Remove all foam
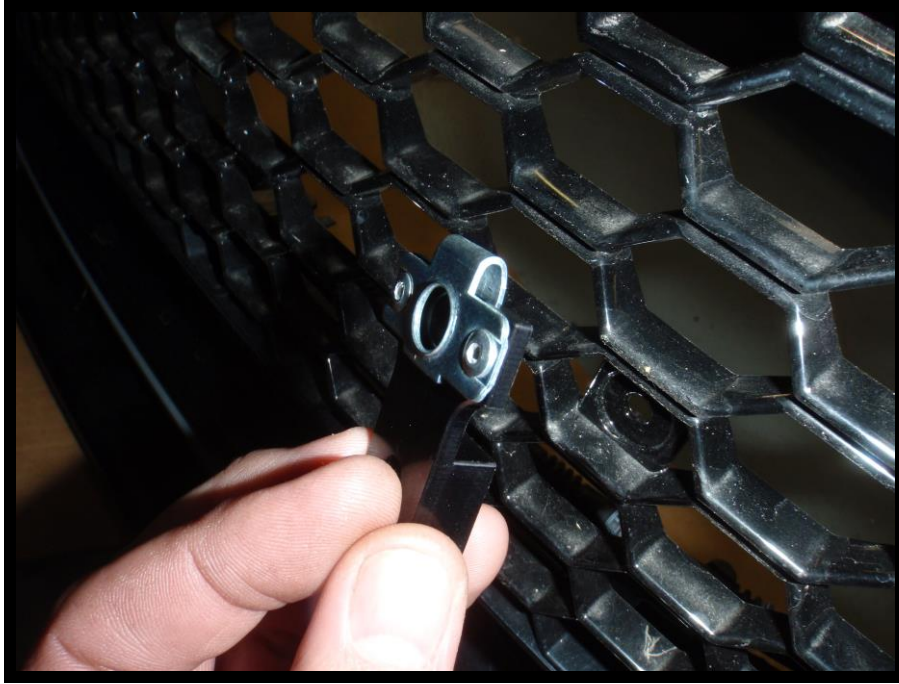
Plastic trim

Unscrew

Unscrew

25. Remove the number plate and then remove the backing plate from the bumper.

26. Bolt on the new number plate mounting brackets with bolts and washers supplied in the kit.
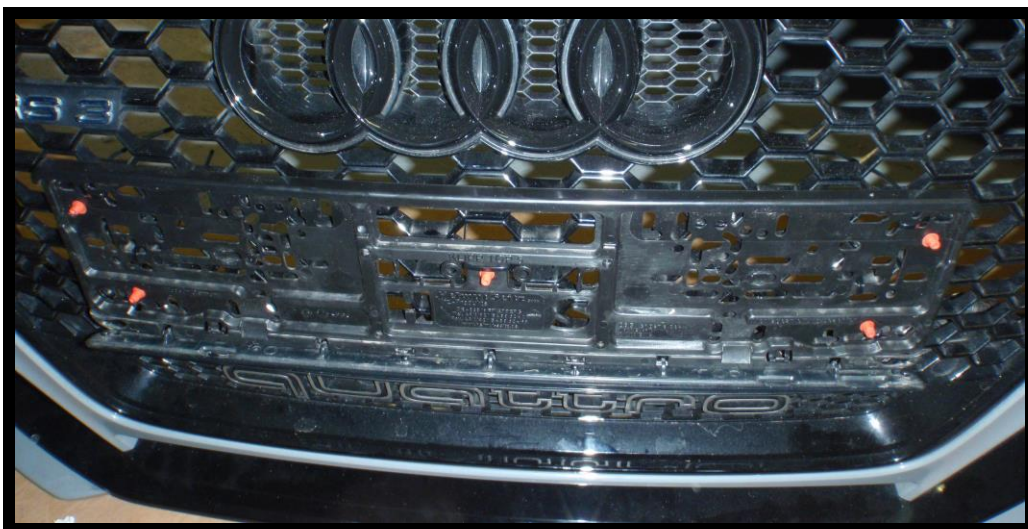
27. The number plate can now be fitted with the quick release bolts.

28. Alternatively if you wish to keep the number plate surround it will need to be zip tied in position with the zip ties supplied in the kit.

29.Now follow steps 1 to 15 in reverse and your installation is almost complete

30.Take your car for a test drive and check the ACC works correctly. If in the rare occasion the module needs to be adjusted, use a T15 Torx drive to adjust the 3 fasteners. You should only adjust each fastener an equal amount. For example turn the torx drive 180 degress on all the 3 fasteners, then take for a test drive. Repeat this if needed until the ACC works correctly .

Forge Motorsport accept no liabily for incorrect adjustment of the ACC module.

Now follow steps 1 to 15 in reverse and your installation is complete.

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