



VW T5.2 SINGLE TURBO TRANSPORTER FRONT MOUNTED INTERCOOLER INSTALLATION



Tools needed:

T25 screwdriver/bit

T30 screwdriver/bit

10mm deep reach socket and suitable ratchet

Flat bladed screwdriver

1. Position the vehicle on level ground with the front wheels facing forward, then undo the two T25 screws on the front edge of each wheel arch, and the single screw holding the arch to the wing directly above the tyre.



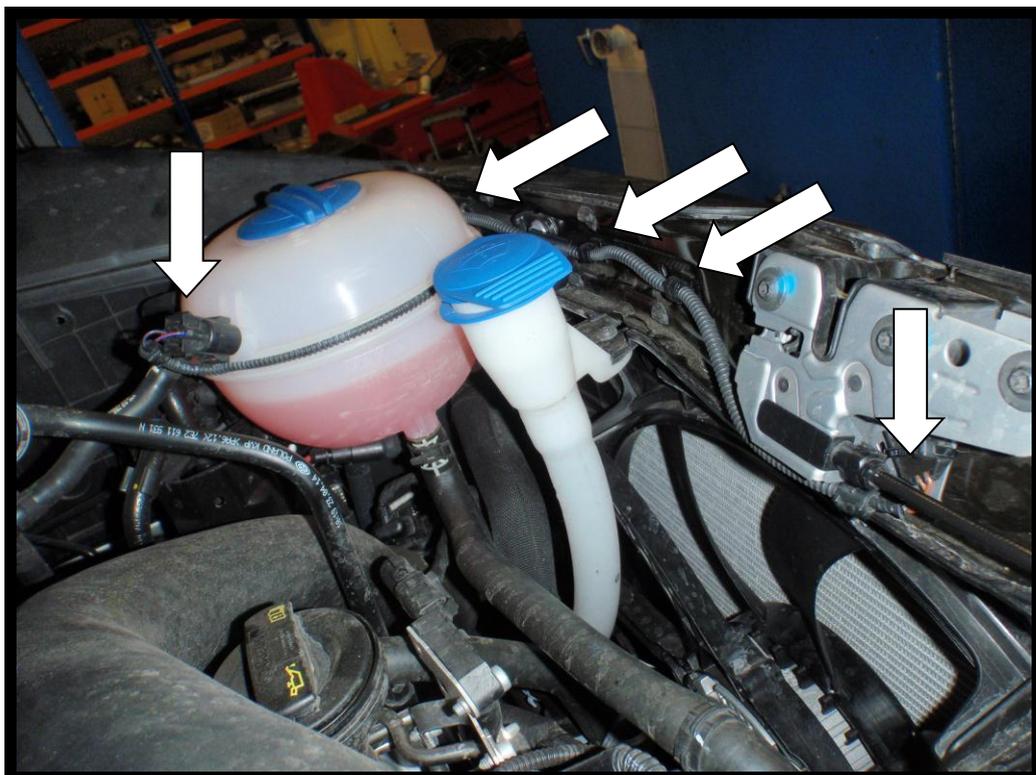
2. Open the bonnet and remove the three push in clips holding the top edge of the grille to the slam panel, and remove the single phillips head screw that holds the edge of the battery air deflector to the slam panel.



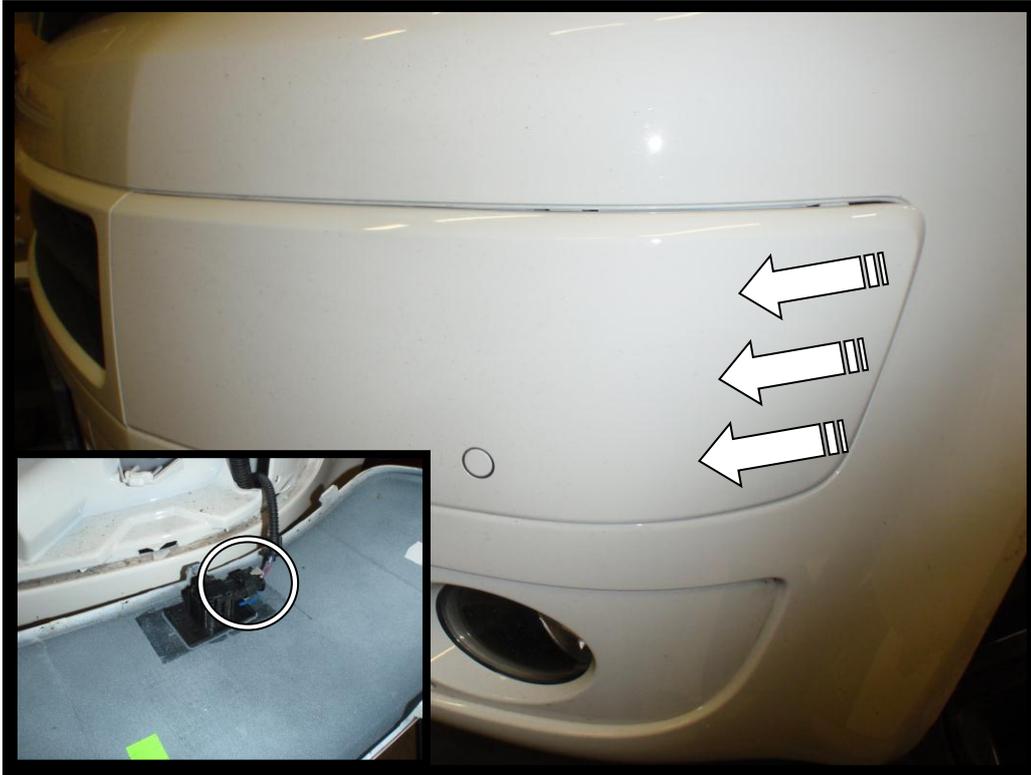
3. Pull the bottom of the grille forwards releasing the clips until the grille can be removed.



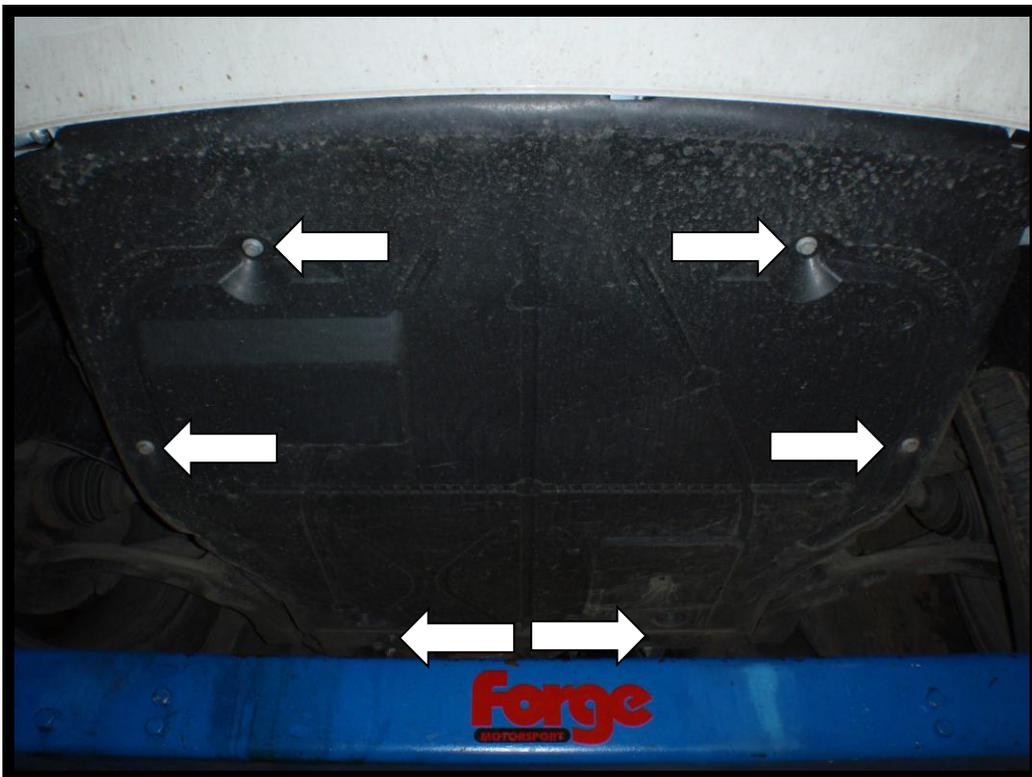
4. Unclip the temperature sensor on the expansion tank, unclip the bonnet lock sensor and remove wiring from the three plastic clips.



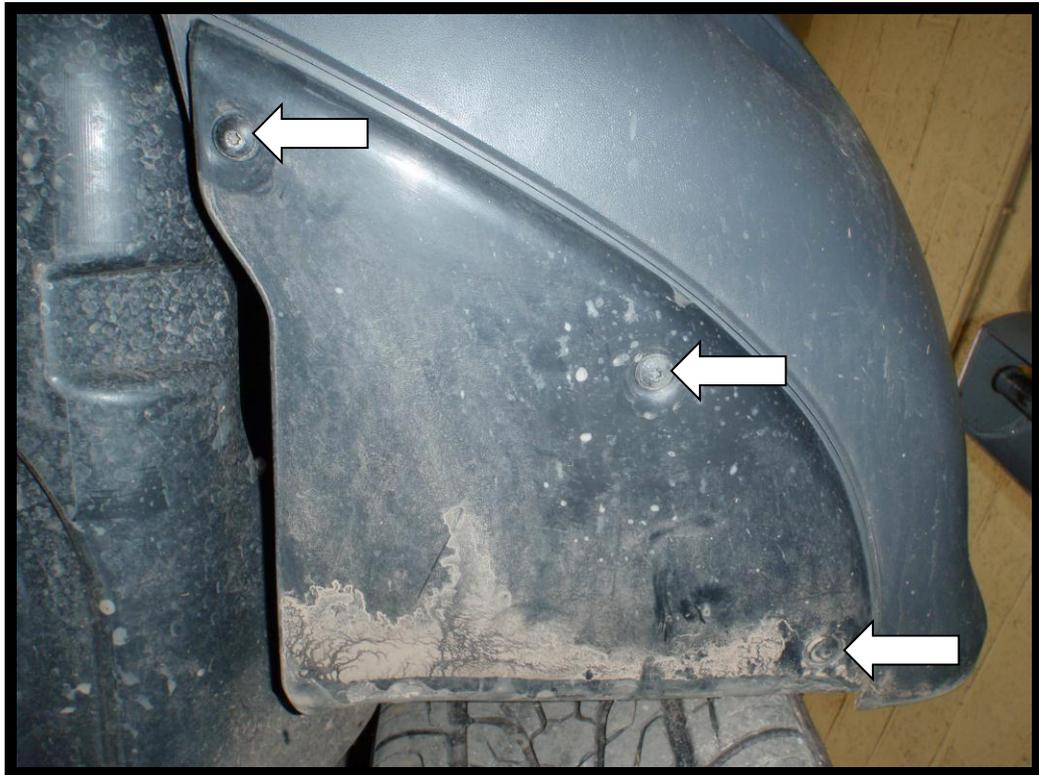
5. Remove the cover above the spot light using a plastic trim removing tool and unclip the parking sensor.



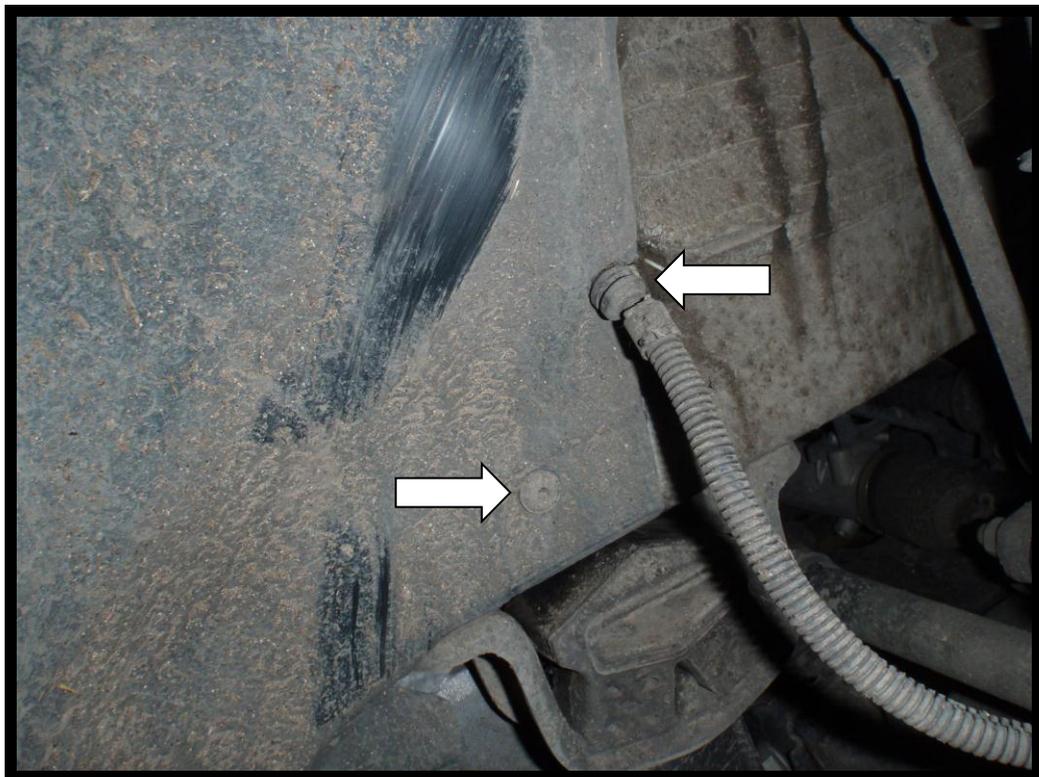
6. Remove under tray by undoing the six bolts.



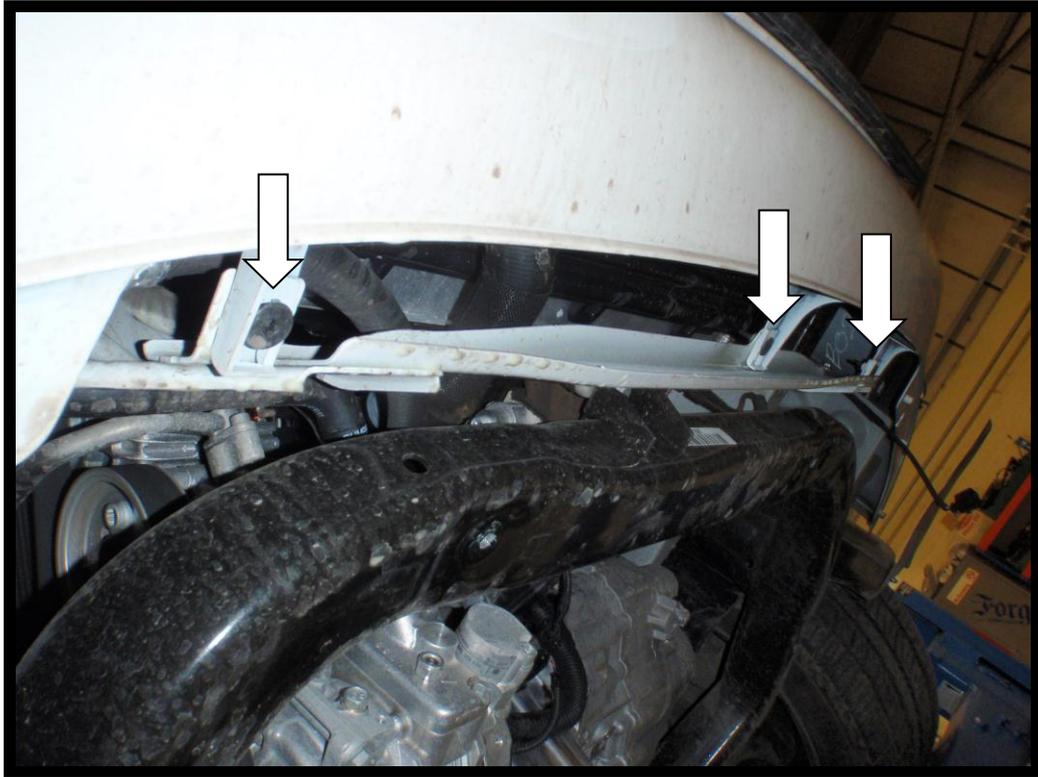
7. Working under the front edge of the vehicle, remove the three T25 screws securing the lower arch liner to the bottom of the bumper.



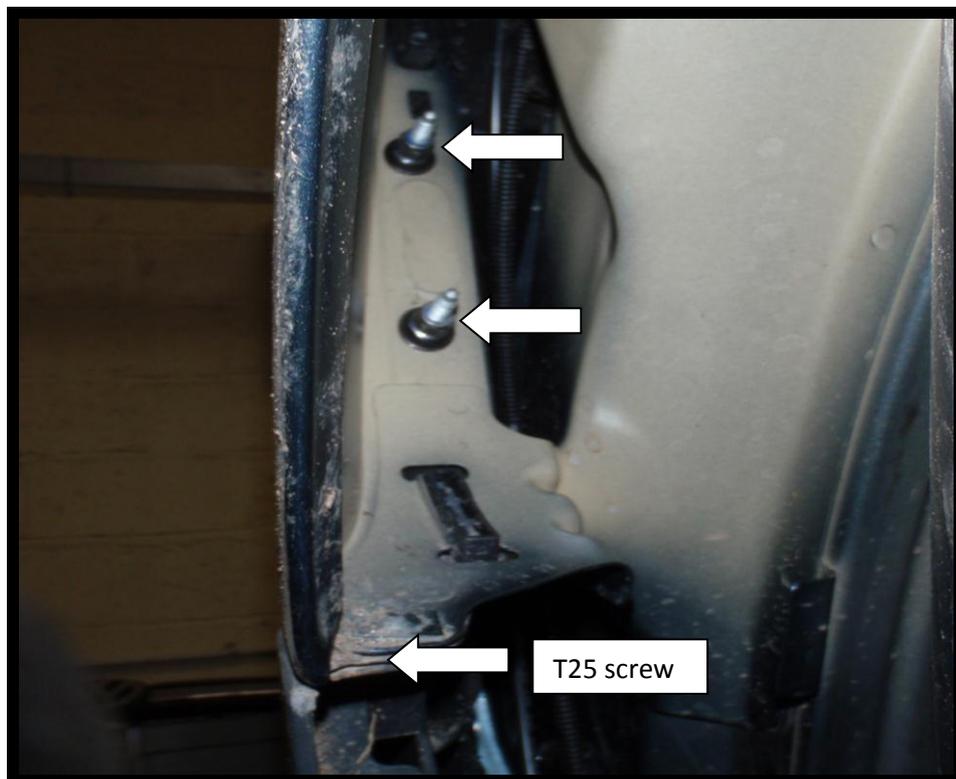
8. Undo the T25 screw and unclip the wiring in the inside of the arch liner.



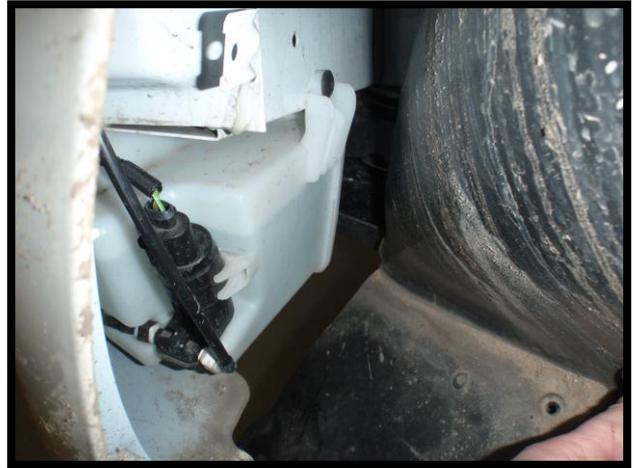
9. Remove the three T30 screws at the bottom of the bumper.



10. Now pull the arch liner away from the inner wing to expose the two 10mm nyloc nuts that need to be removed and the single T25 screw.



11. The electrics that pass through the bumper will need to be unplugged for horns, washer bottle and spot lights.



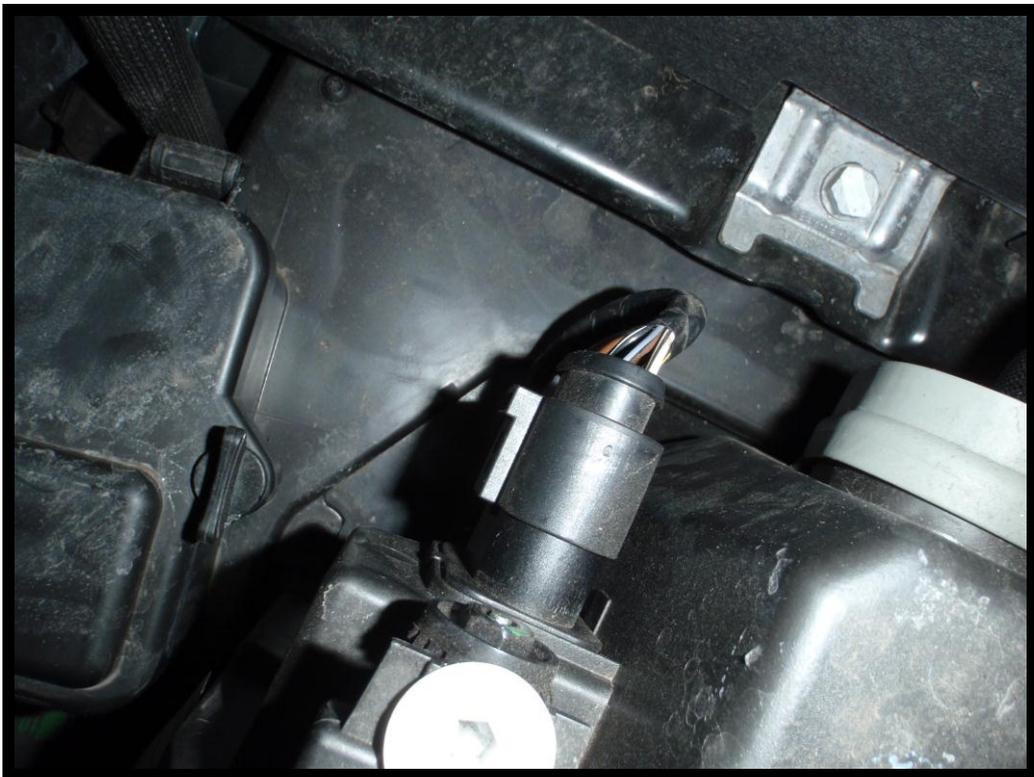
12. Remove the torx screws behind the plastic trim.



13. Pull out the wiring from the bottom and unclip it from the bumper on both sides.



14. On the right side of the vehicle, unplug the connector from behind the headlight.



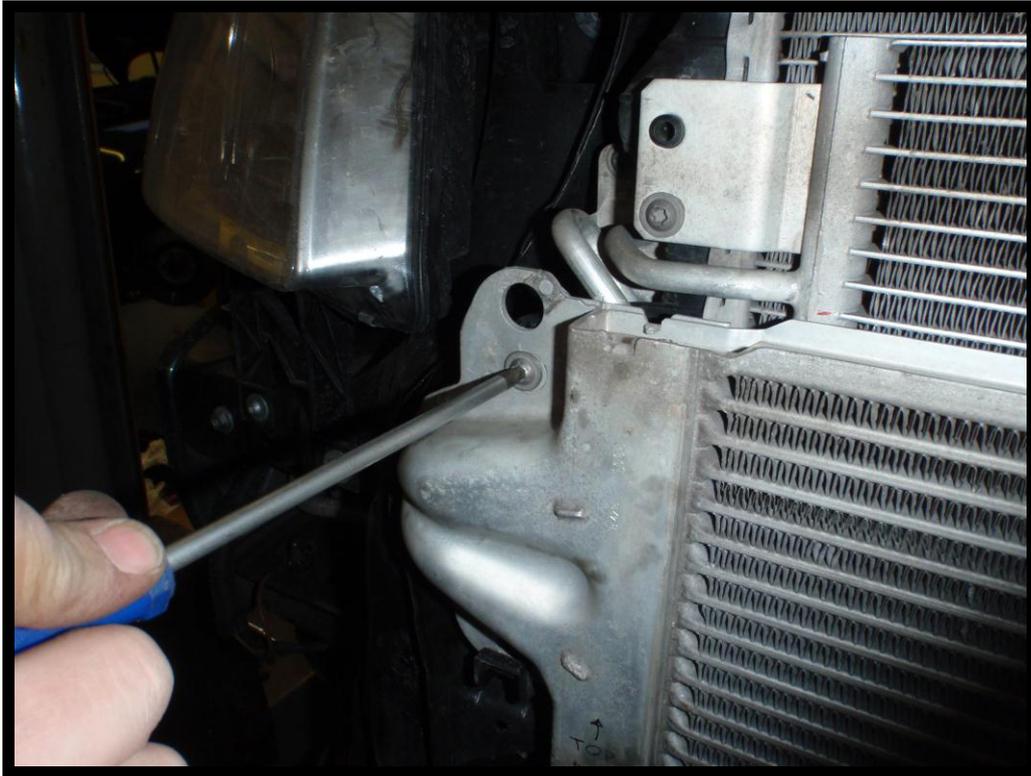
15. Finally remove the last two T30 screws behind the central moulding to release the bumper, and remove it from the car.



16. You will need to rest the bumper on some boxes or trestles, remove the front right light which allows clearance to remove the wiring. The bumper can now be completely removed.



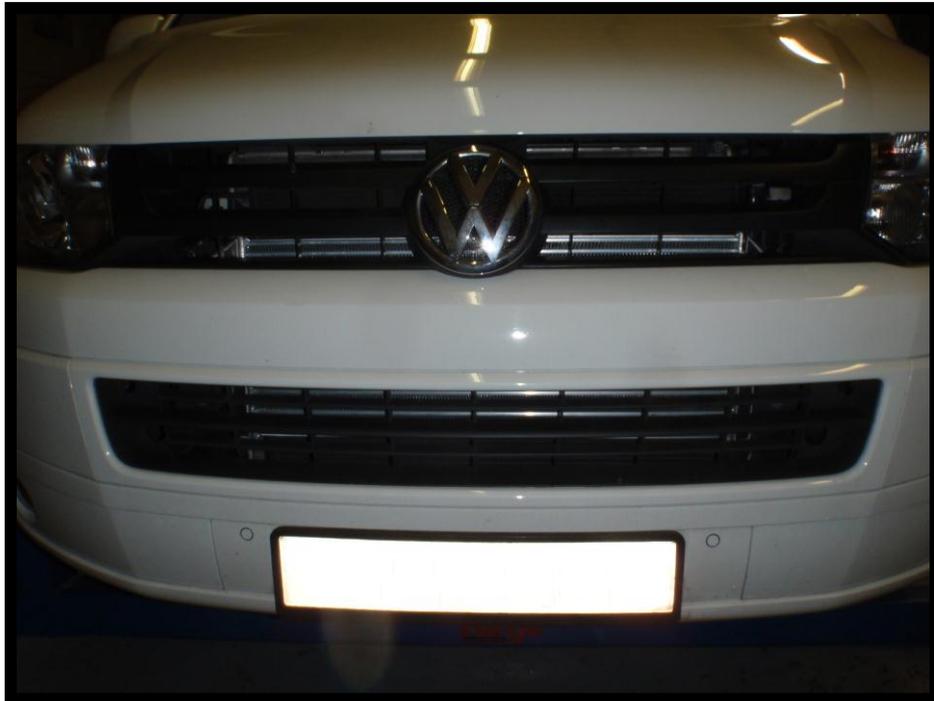
17. Remove the two T30 screws securing the intercooler to the chassis



18. Using a screwdriver, lever the clips up that hold the hoses in the intercooler until they 'click' into their open position. You can then lift the intercooler off the hanging brackets and pull the hoses out of the back of the core to remove it from the vehicle.



19. Remove the hose retaining clips from the stock intercooler and place them on the Forge intercooler in the same orientation. Place the Forge core on the vehicle and push the hoses in until they click into the retaining clips. Reuse the T30 screws to attach the Forge core.



20. Follow steps 16-1 in reverse order to refit the bumper. Installation is complete!



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