



VW T5 TRANSPORTER FRONT MOUNTED INTERCOOLER INSTALLATION



Tools needed:

T25 screwdriver/bit

T30 screwdriver/bit

10mm deep reach socket and suitable ratchet

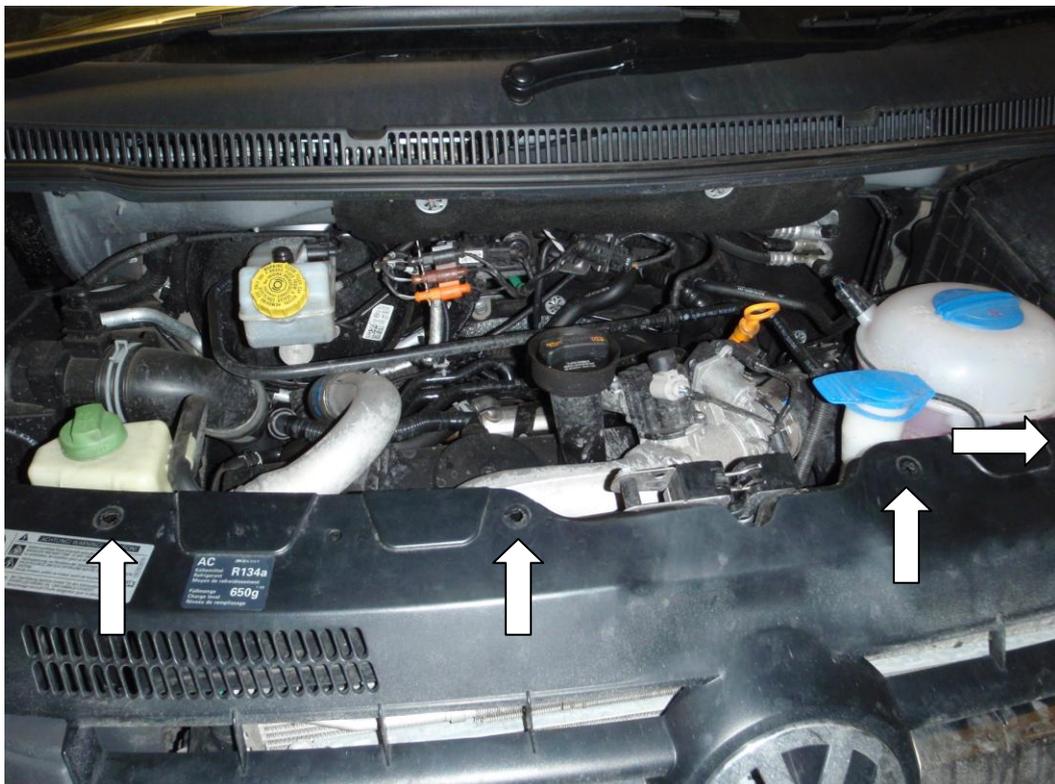
Flat bladed screwdriver

Sharp Stanley knife or similar

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.



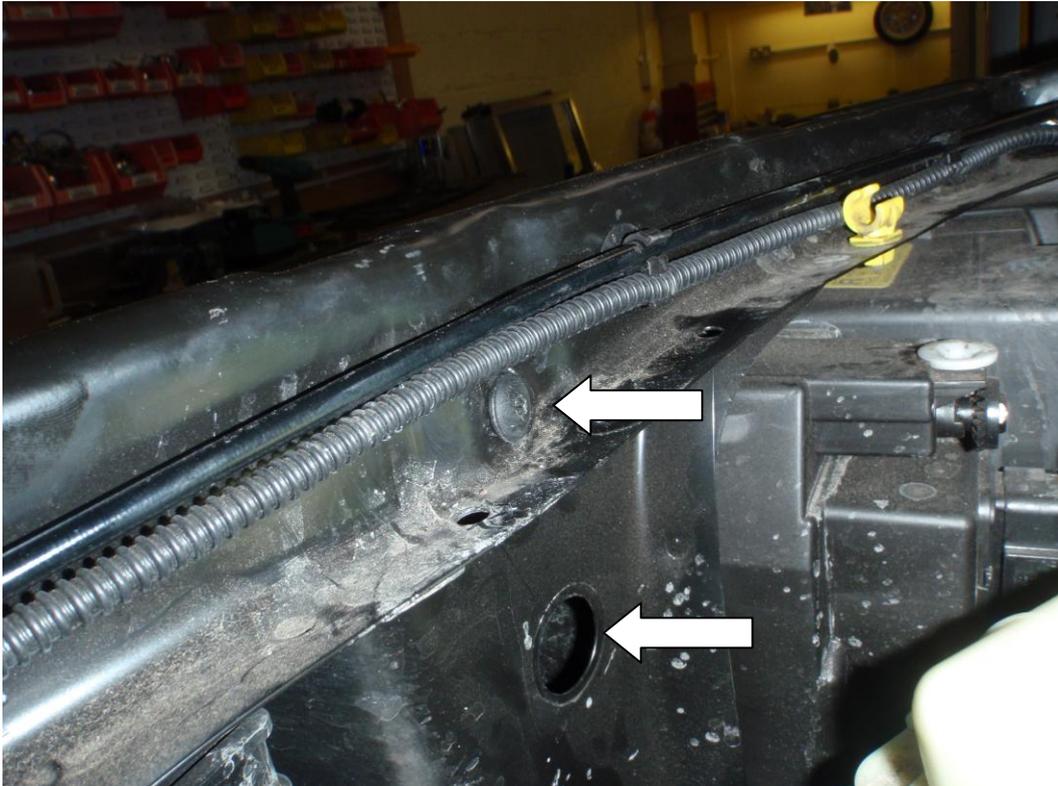
3. Pull the top of the grille forwards releasing the clips down both sides until the clips holding the bottom of the grille to the bumper can be removed.



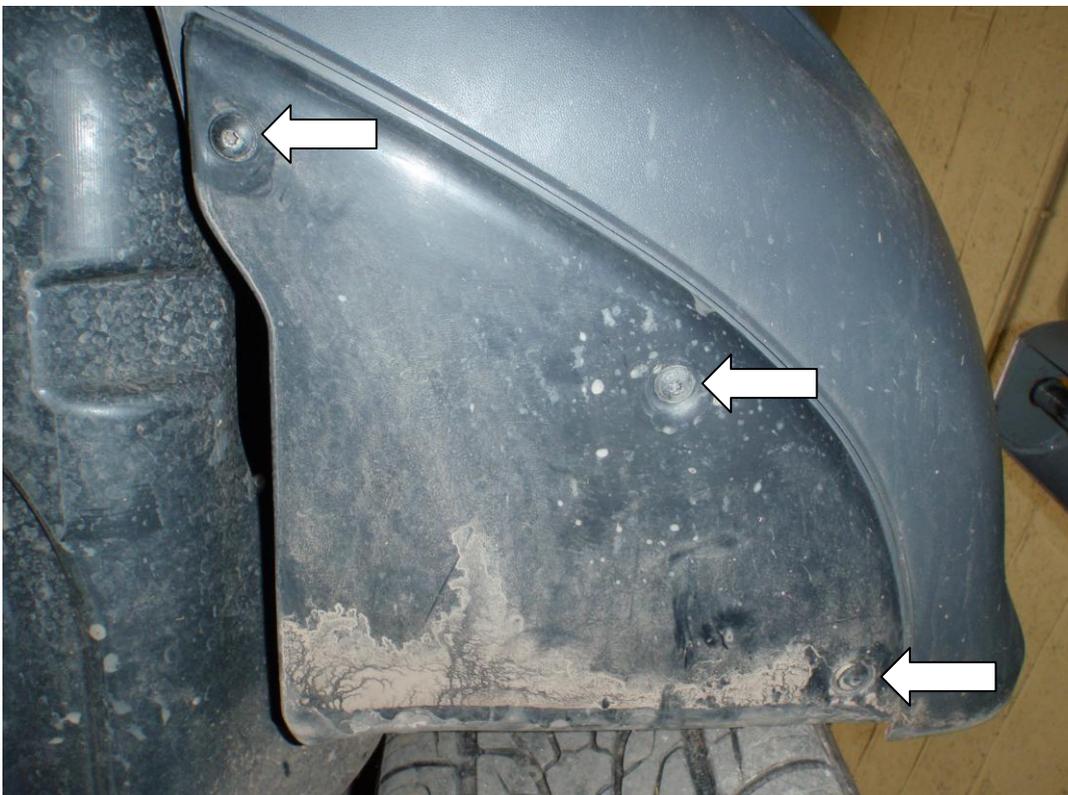
4. Undo the single 10mm bolt securing the power steering reservoir to the slam panel and pull it away to rest in the engine bay.



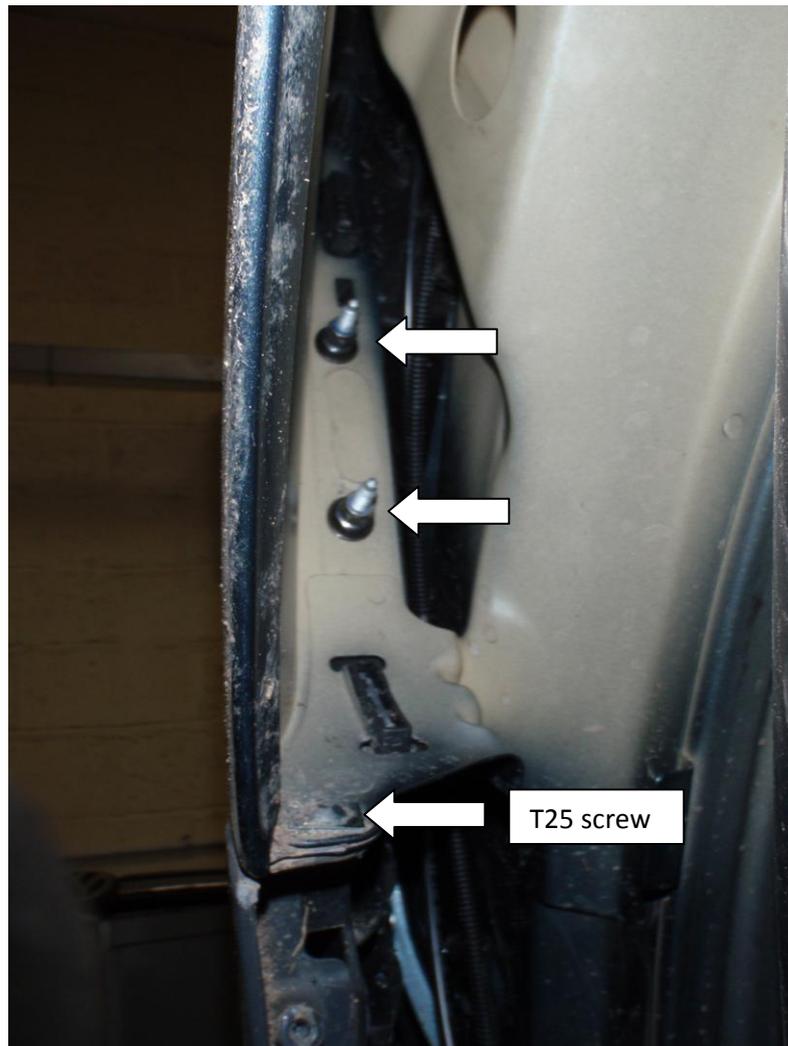
5. Behind the power steering reservoir, you can now see the single T25 screw that needs to be removed, and in the hole underneath it, another T25 screw. Repeat for both sides of the vehicle.



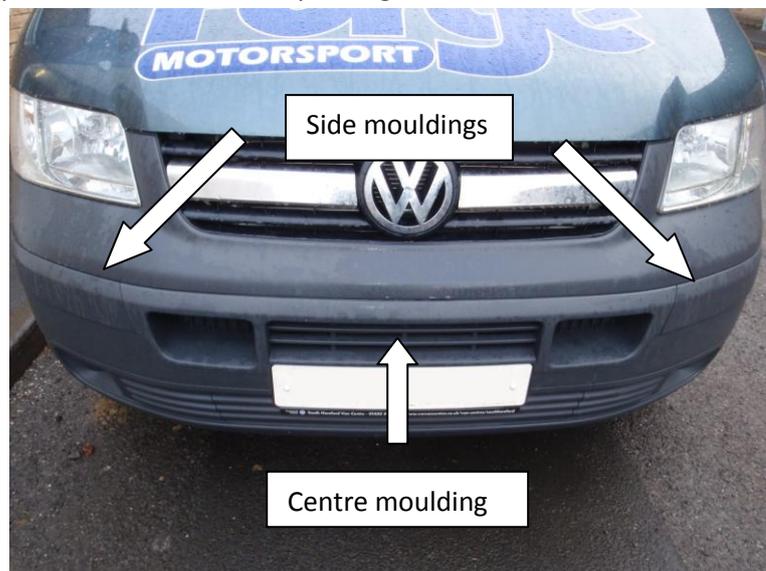
6. Working under the front edge of the vehicle, remove the three T25 screws securing the lower arch liner to the bottom of the bumper.



7. 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.



8. Working at the front of the car, the side and centre mouldings need to be removed from the bumper. This is easiest with a screwdriver wrapped with tape or cloth to stop it damaging the plastic as you lever them out – they are tight.



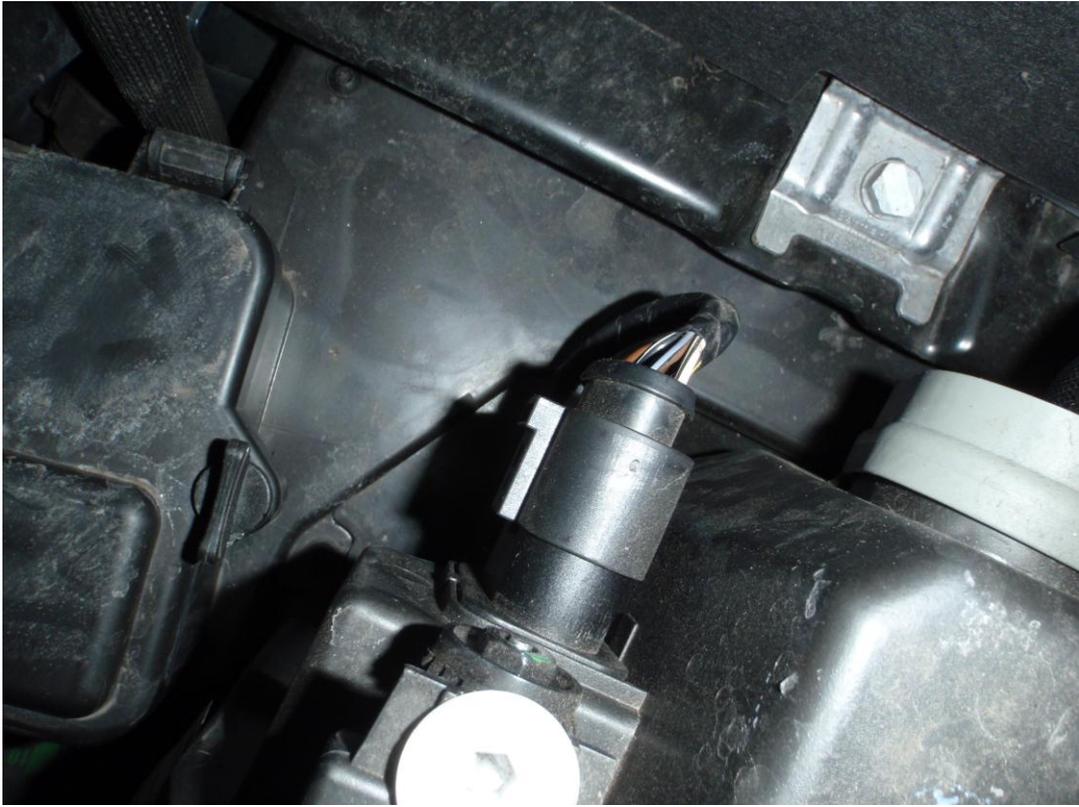
9. Behind each corner moulding is a single T30 screw which needs to be removed



10. The electrics that pass through the bumper will need to be unplugged (our model has no foglights so these will need to be removed also). On the left side of the vehicle (from the front) undo the electrical connector inside the inner arch, just inside the arch liner.



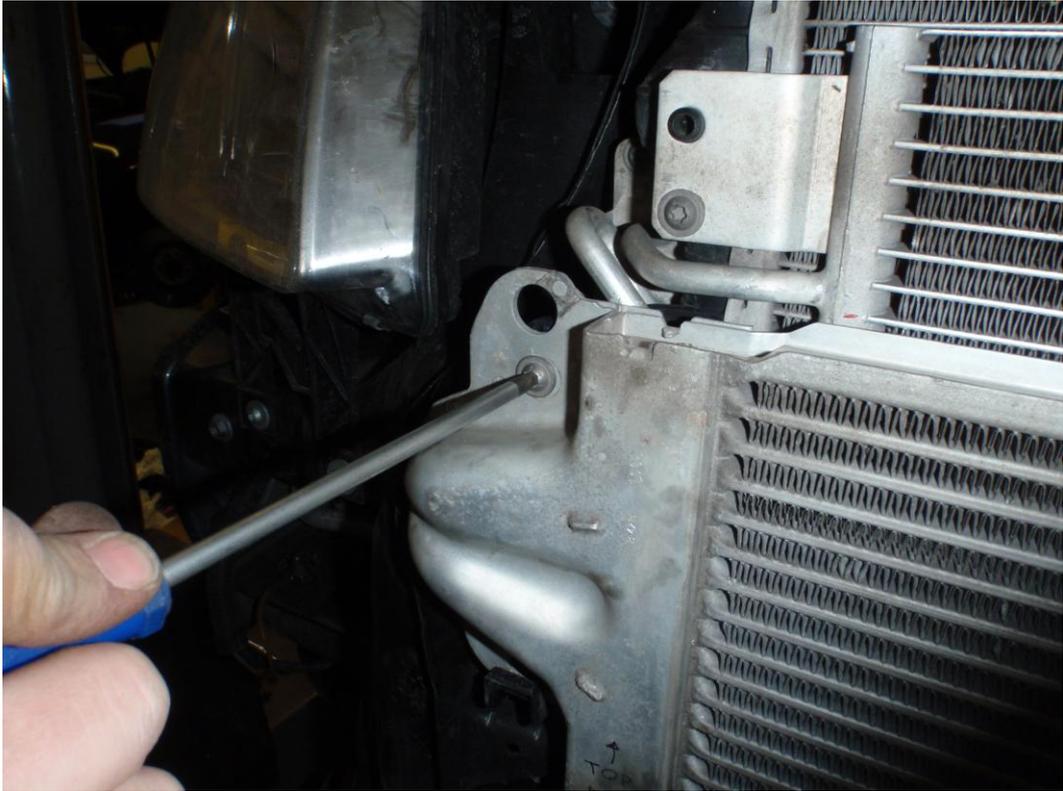
On the right side of the vehicle, unplug the connector from behind the headlight, and remove the clip securing the wiring to the chassis, then push the plug backwards in the direction of the wiring to remove it from behind the headlight.



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



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



13. 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.



14. 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 .



15. A small piece of excess plastic needs to be cut from the rear of the bumper near the grille opening with a sharp blade, then follow steps 11-1 in reverse order to refit the bumper. Installation is complete !

