



Golf R Twintercooler Fitting Instructions



Tools Required:

T25 Torx bit

Bucket or bowl to catch the washer fluid

5mm Allen key

10mm Spanner

7mm hose clamp driver or flat headed screwdriver

1. Using a T25 torx bit undo and remove the four T25 torx bolts holding the arch liner to the bumper on each side of the car.



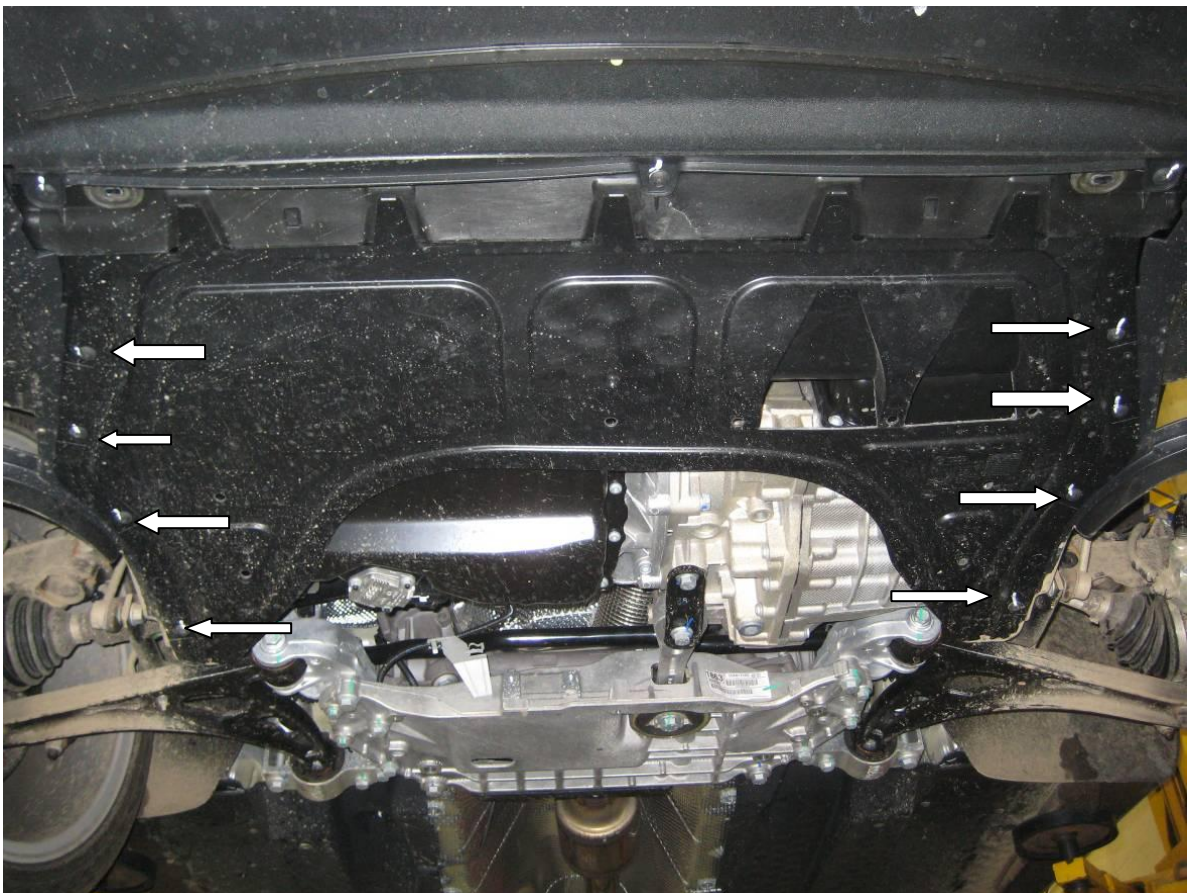
2. Undo and remove the T25 torx bolt found on the inner side at the top of the bumper. This holds the bumper to the wing on each side of the car.



3. Open the bonnet and remove the four T25 torx bolts along the top of the grill.



4. Undo the four T25 torx bolts down each side of the undertray, then pull it towards the rear of the car to remove.



5. Undo the eight T25 torx holding the bottom of the bumper to the car.



6. Remove the top grill **CAREFULLY**, by pulling upwards and towards you unclipping the eight clips.



7. Undo the two T25 torx (one on each side of the bumper from where the grill was removed).



8. On both sides of the car pull down slightly and outwards on the corner of the bumper where it meets the wing. (**READ THE NEXT 2 STEPS BEFORE DOING THIS AS YOU WILL SEE THERE ARE A FEW THINGS TO DO BEFORE THE BUMPER CAN BE REMOVED**).



9. As you pull the bumper off you will have to remove some wiring. Firstly if you have parking sensors these will have to be unplugged (situated on the passenger side of the car), also on the driver side of the car you will need to remove the plug for the DRL's. Simply pull down on the tabs till you hear a click and then pull apart.



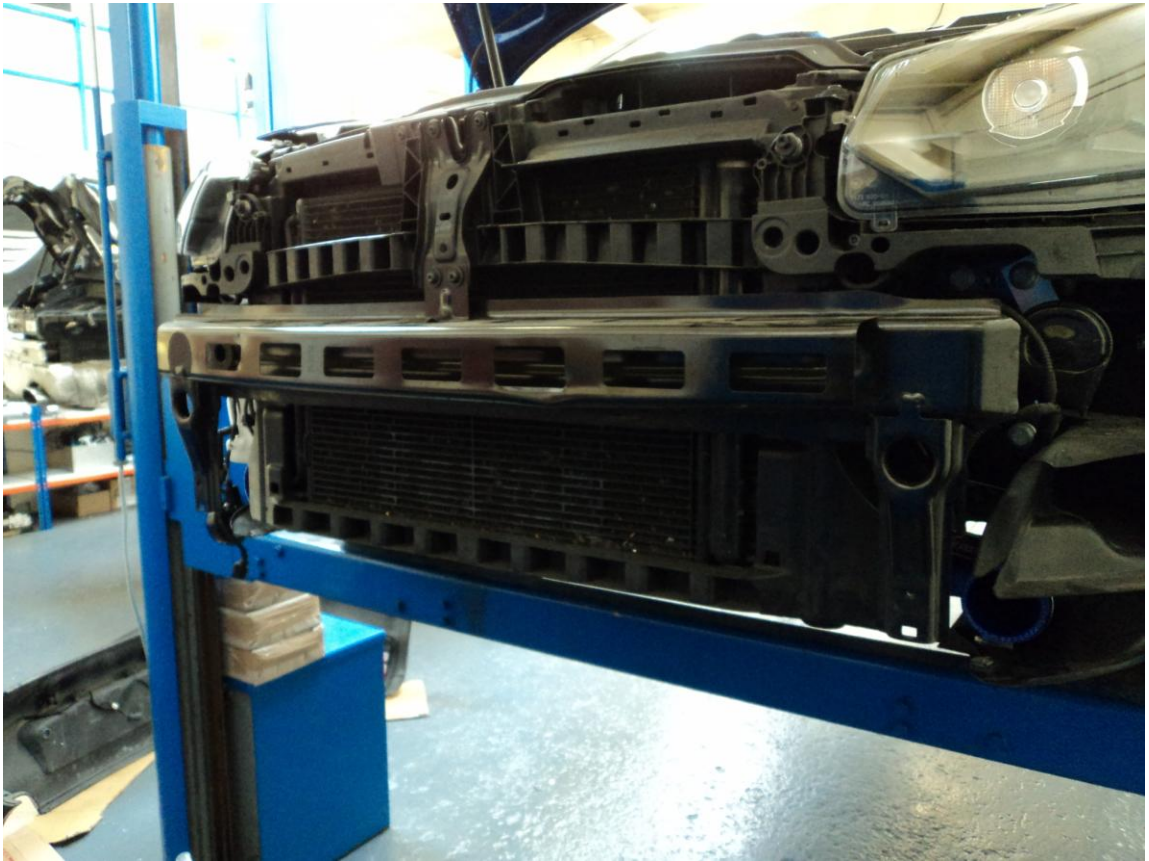
10. Next if you have headlight washers, these will need to be disconnected. To do this remove the "U" clip on the washer bottle pipe, situated on the driver side of the car and pull the connector from the pipe. **You will need a bucket or bowl to catch the washer fluid.**



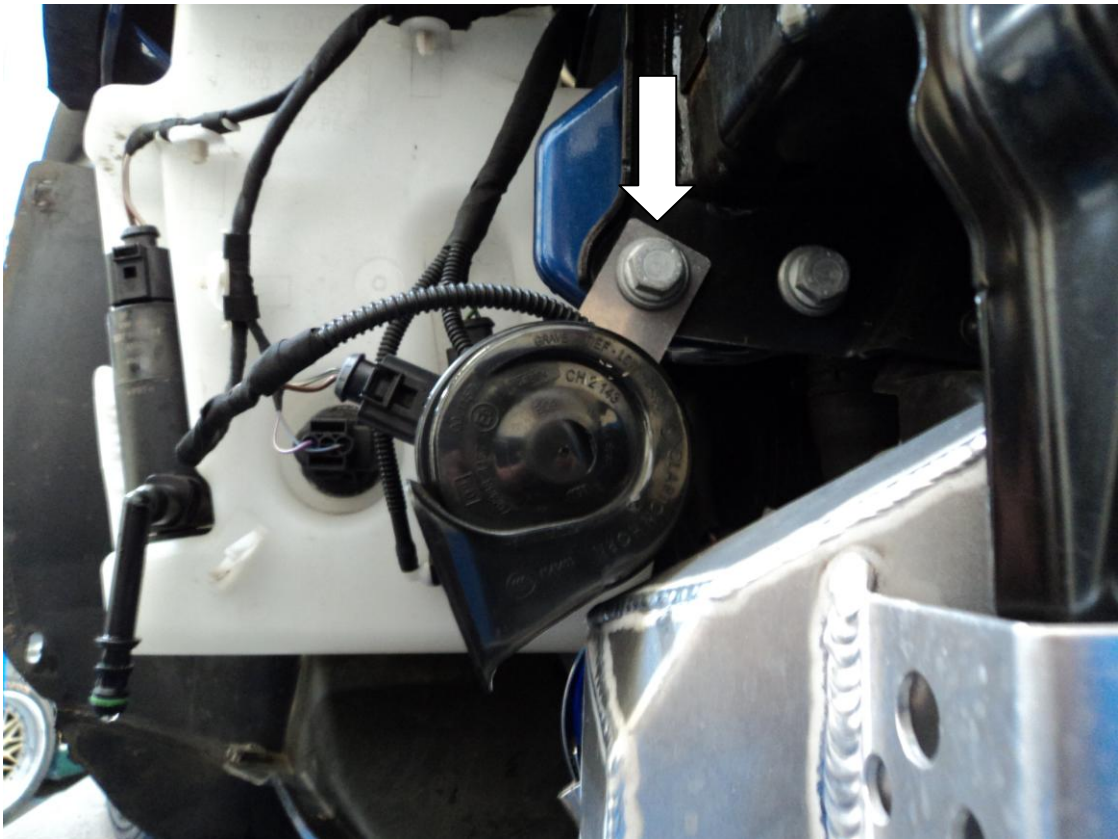
11. Remove the two standard boost pipes by undoing the three hose clamps. At one end of the pipe on the drivers side, use a flat head screwdriver to pull the U clip outward allowing you to pull the pipe out of its coupler.



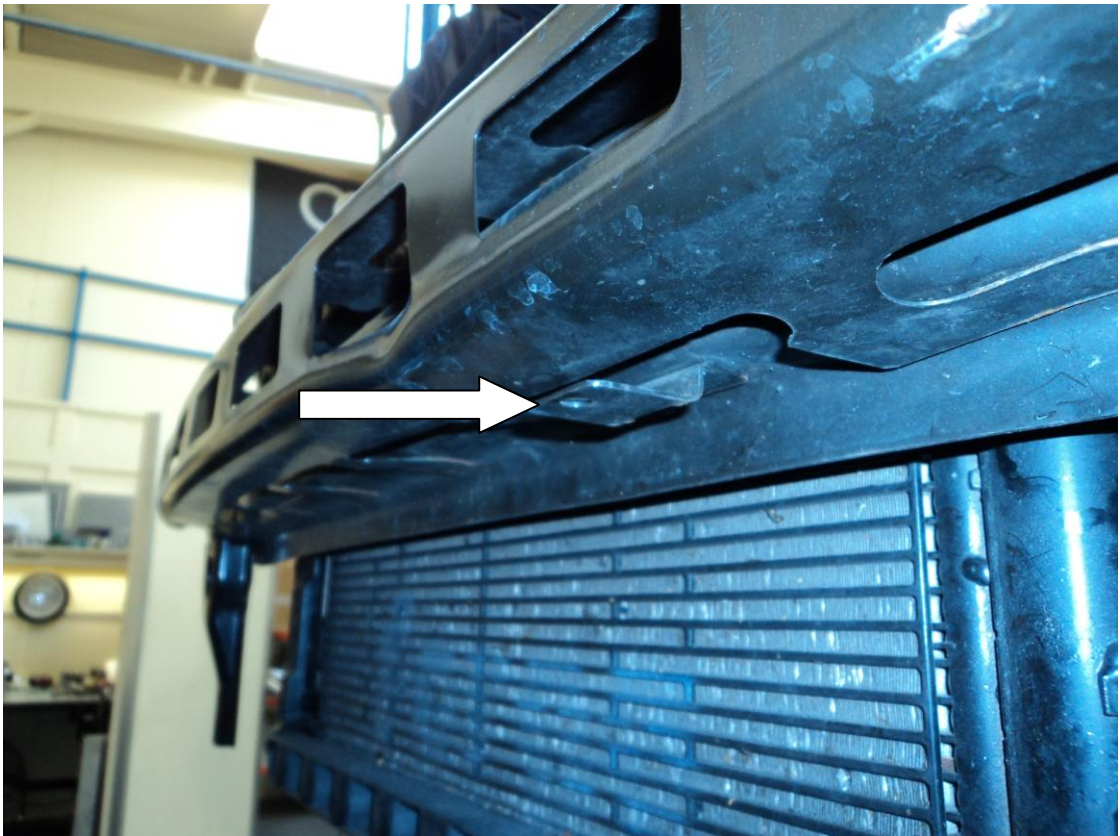
12. Remove the lower bar on the crash bar, by undoing the four T25 torx bolts. It should look like the picture below.



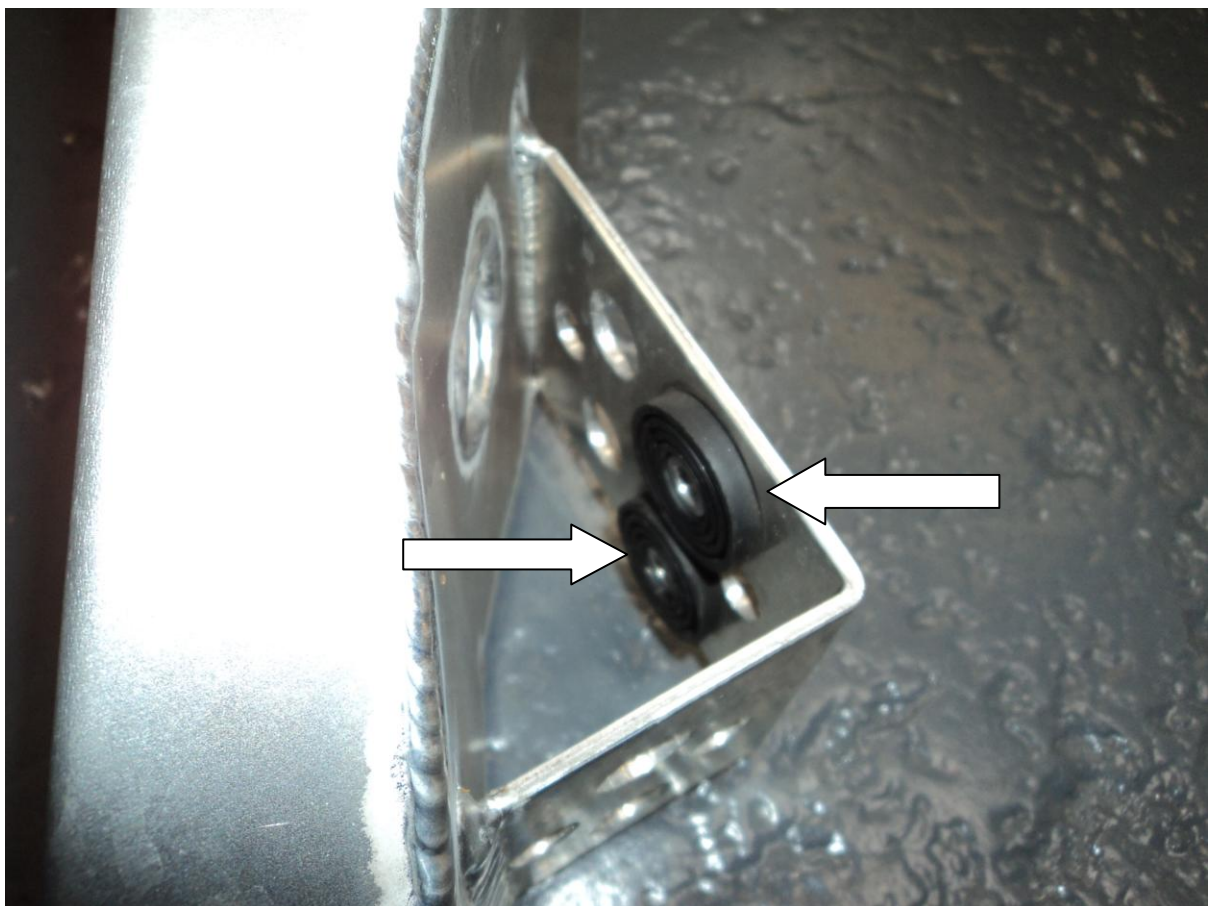
13. Remove the horn brackets on both sides of the car and replace the horn back into the same place using the new horn brackets provided.



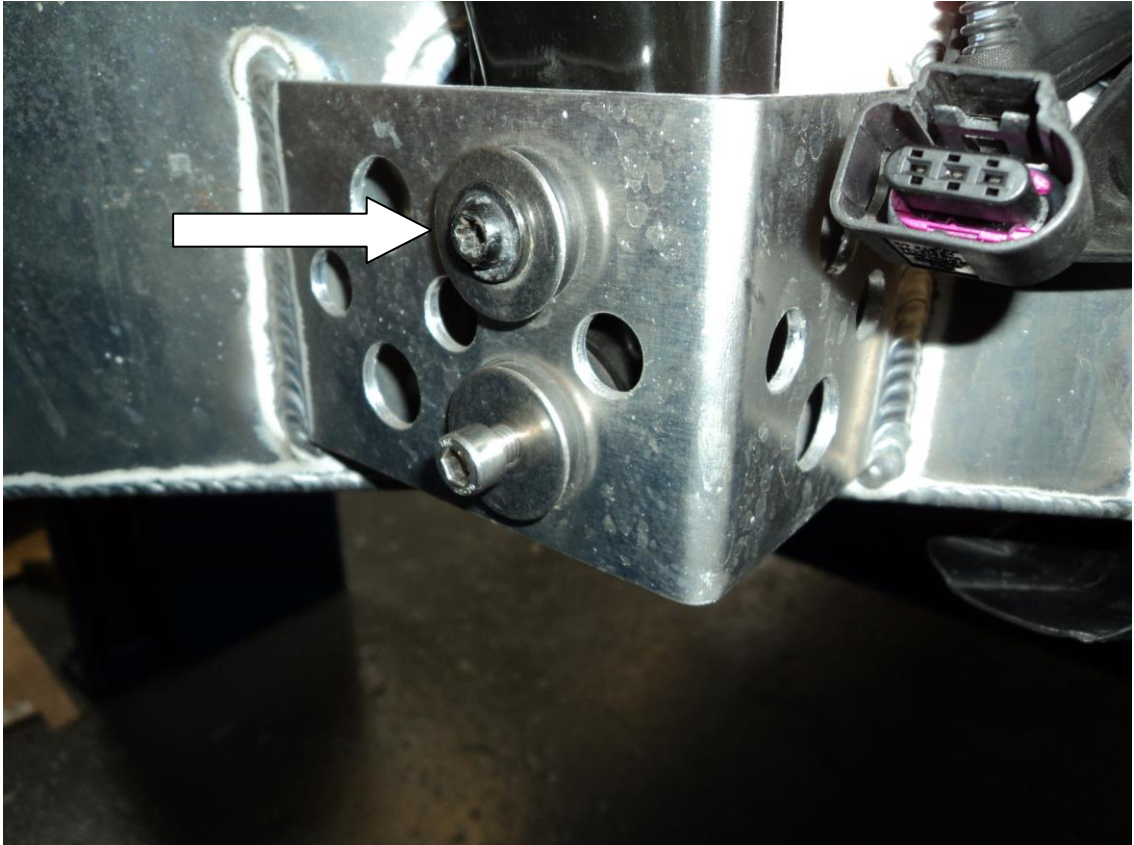
14. Remove the air temp sensor from its bracket underneath the crash bar. Then you will need to bend the bracket upwards to allow room for the intercooler.



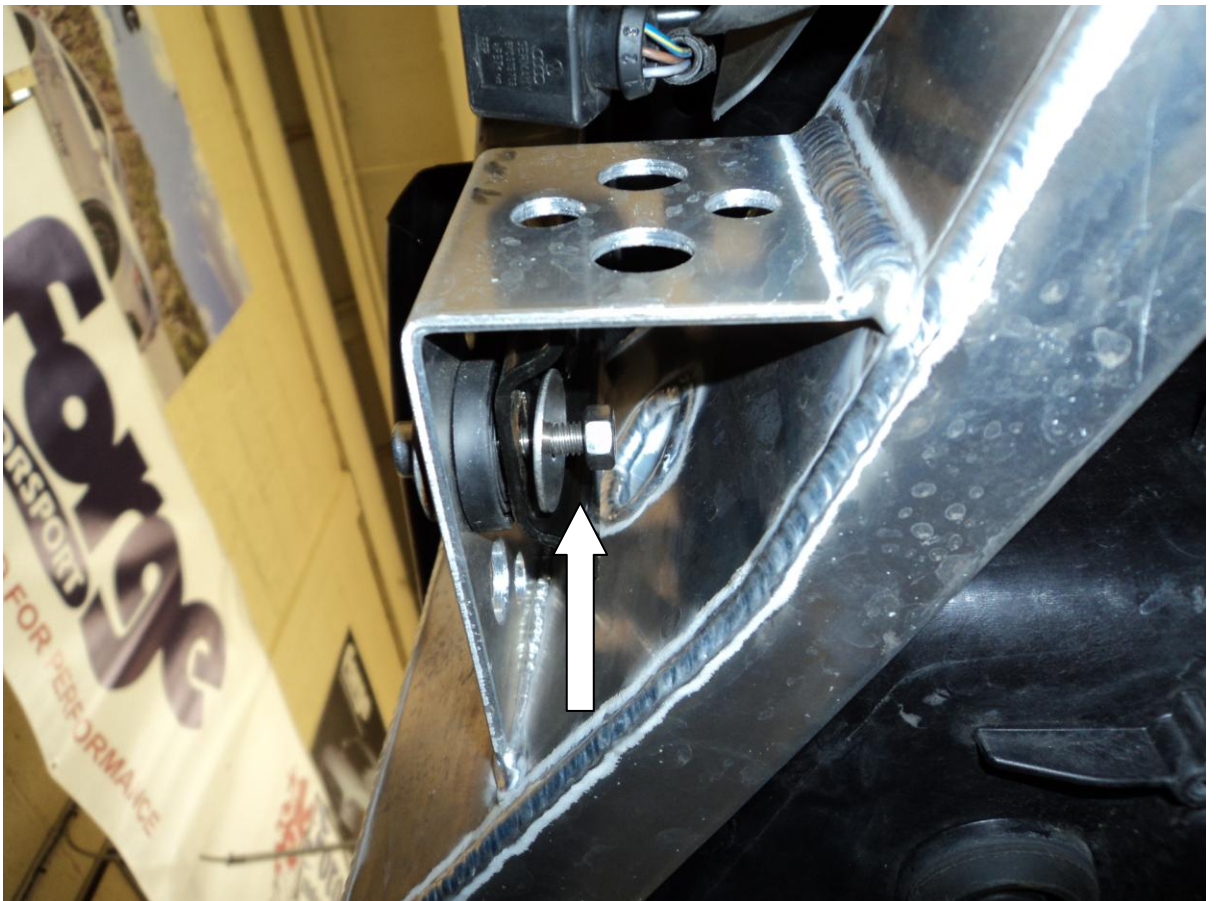
15. Now place the round rubber grommets into the two holes on the intercooler and then place the aluminium inserts inside those.



16. Fit the intercooler to the car. On each side of the intercooler (the top hole) , use a T25 torx bolt that you previously remove to take off the lower crash bar and screw tight to hold the intercooler in place.

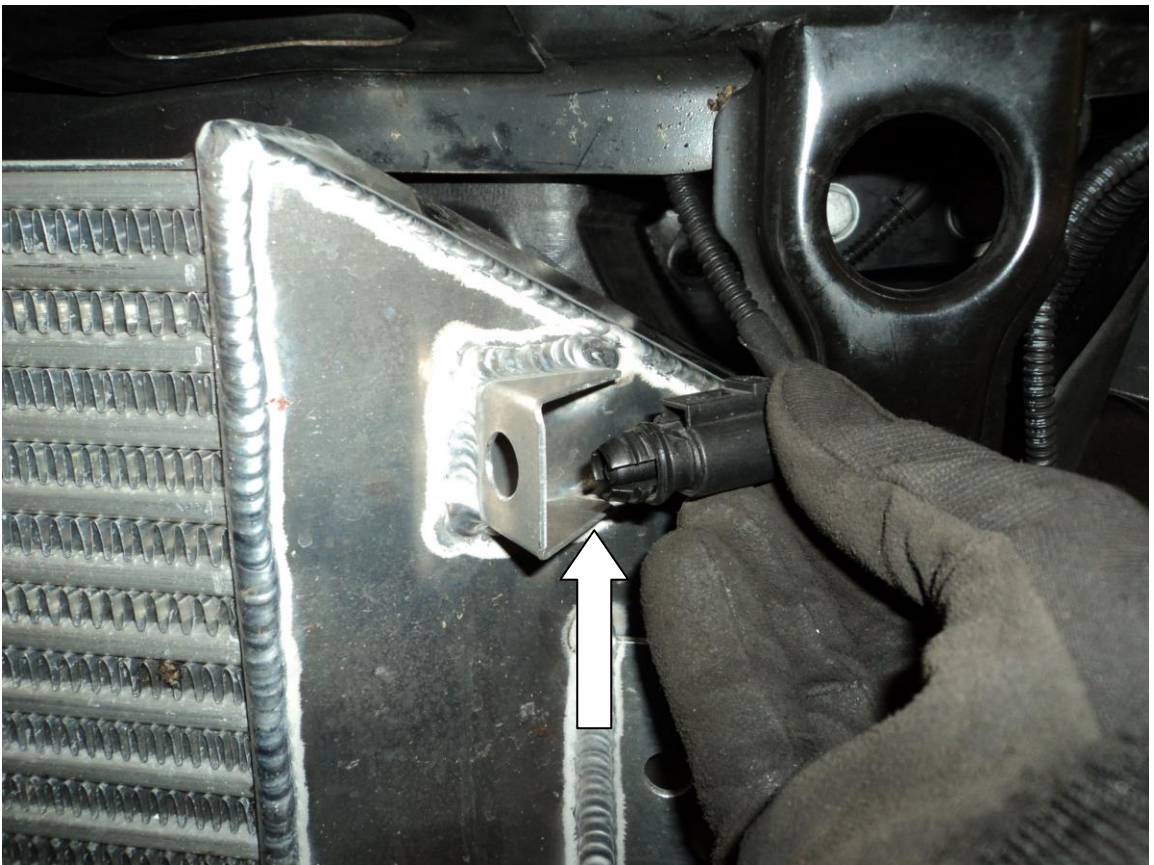


17. Using the 5mm Allen key bolts, two penny washers and the 10mm nut, place these in the bottom hole on the intercooler and tighten.





18. Now push the temperature sensor into the bracket on the intercooler.



19. Fit the new bayonet coupler to the forge silicon hoses using the picture below as a diagram.



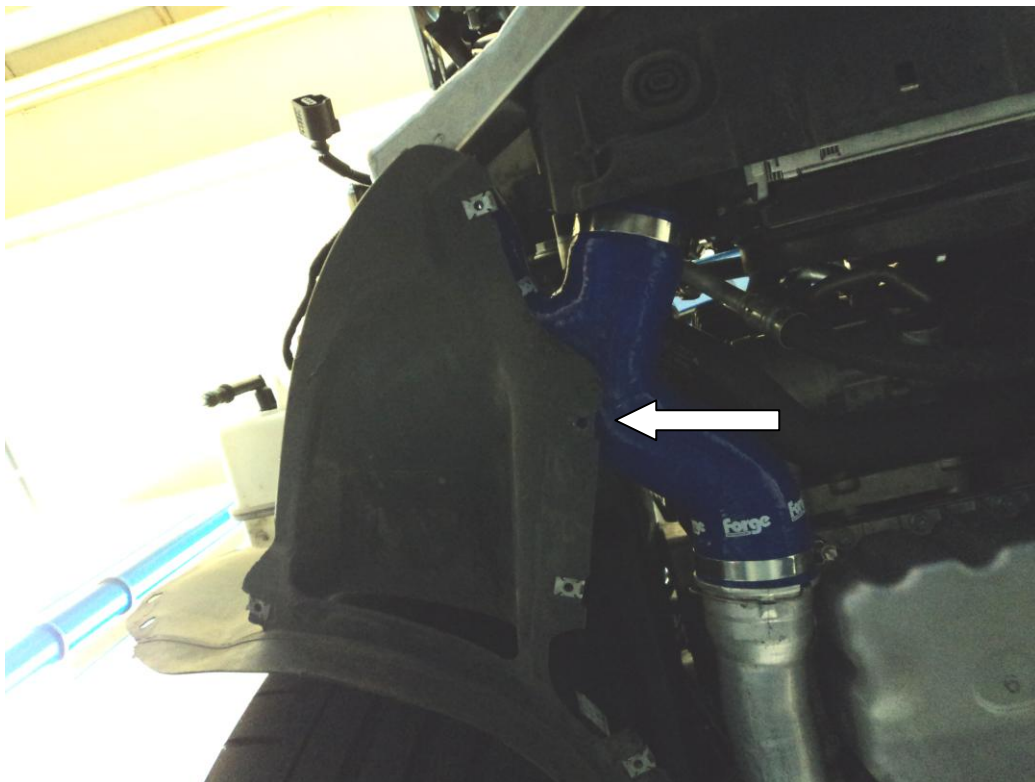
20. Now fit the new forge silicon hoses with the supplied jubilee clips. Use silicon spray as a lubricant to help you get the hoses into position before tightening.





21. Under the car, remove the clip second from the front on both sides. This will stop you from using a screw in those holes of the undertray, as the silicon pipes are directly above this.





22. Now follow steps 1 to 11 in reverse to replace the bumper. Installation is complete !



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