



Golf R Intercooler Fitting Instructions (US Spec)



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.



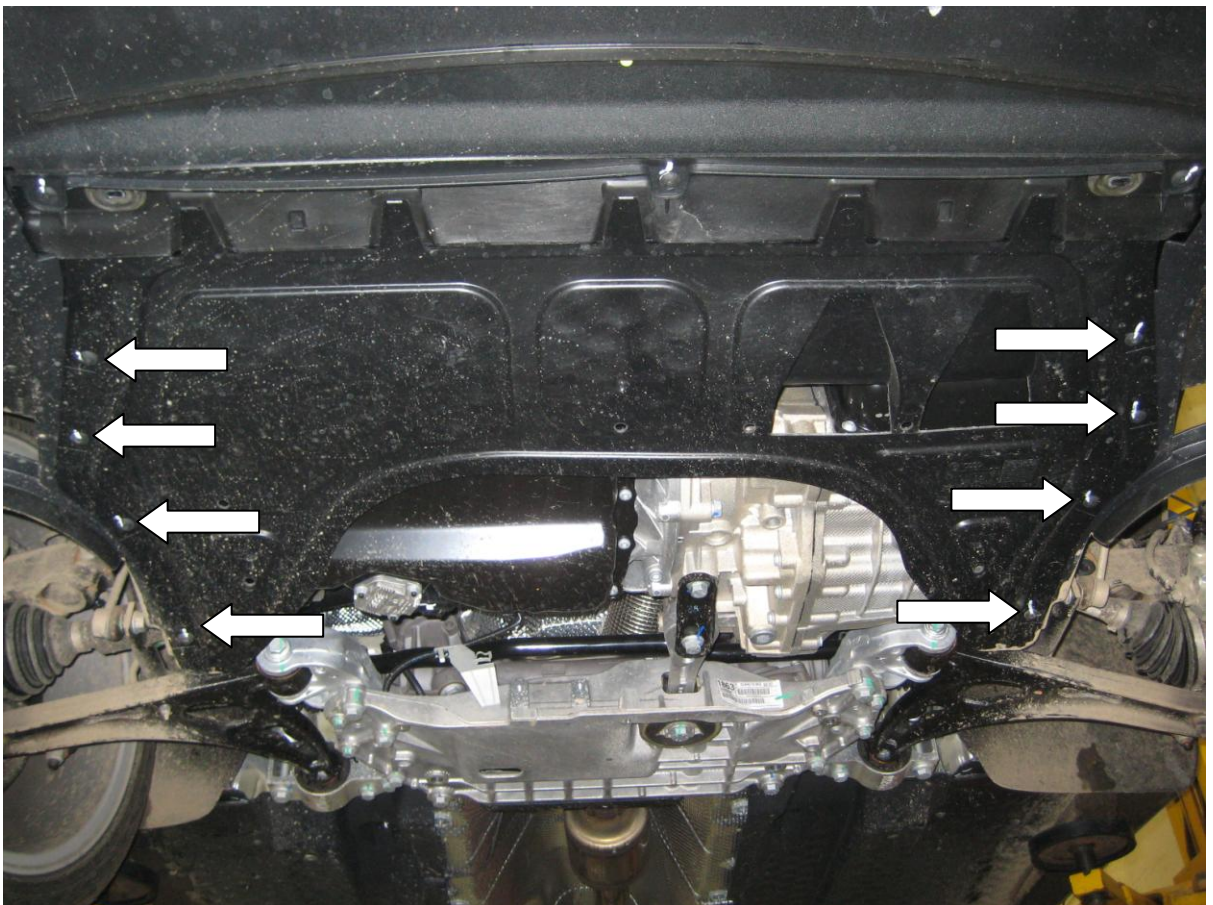
2. Undo and remove the T25 torx bolt found on the inner side at the top of the bumper. This holds the bumper to the wing on each side of the car.



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



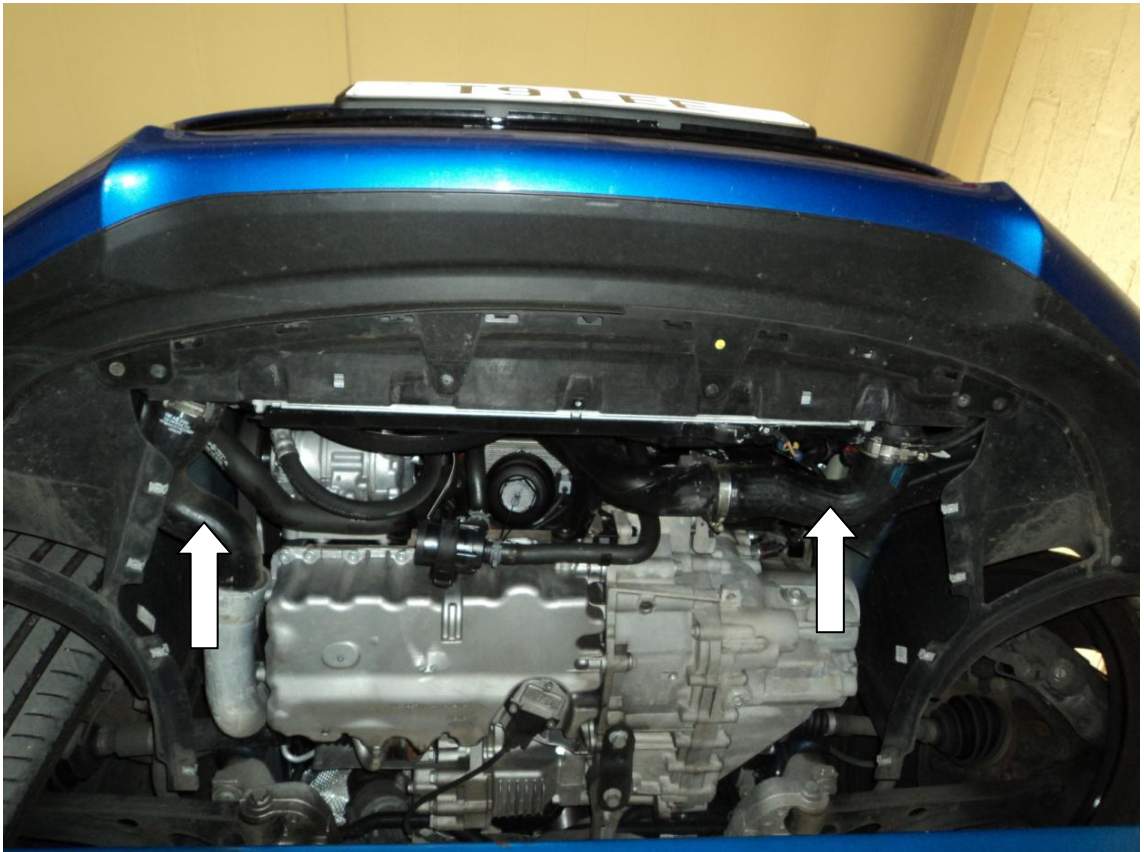
4. Undo the eight T25 torx bolts holding the under tray on, then pull it towards the rear of the car to remove.



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



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



7. Remove the o-ring from the coupler on the hose and install it on the Forge coupler provided



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



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



10. 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).**



11. 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.



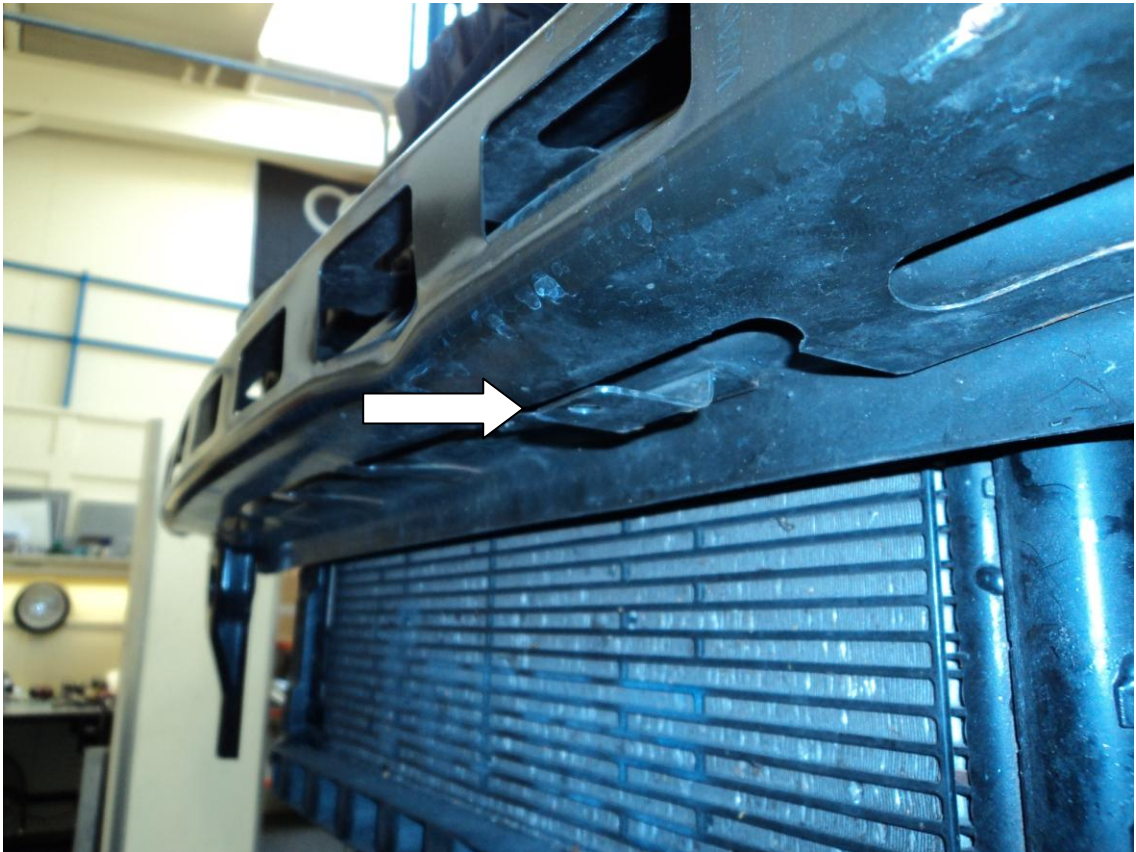
12. Next if you have headlight washers, these will need to be disconnected. To do this remove the "U" clip on the washer bottle pipe, situated on the driver side of the car and pull the connector from the pipe. **You will need a bucket or bowl to catch the washer fluid.**



13. Remove the horn brackets on both sides of the car and use the new Forge brackets provided to relocate the horn.



14. Remove the air temperature sensor from its bracket underneath the crash bar, then bend the bracket up as shown to allow clearance for the intercooler.



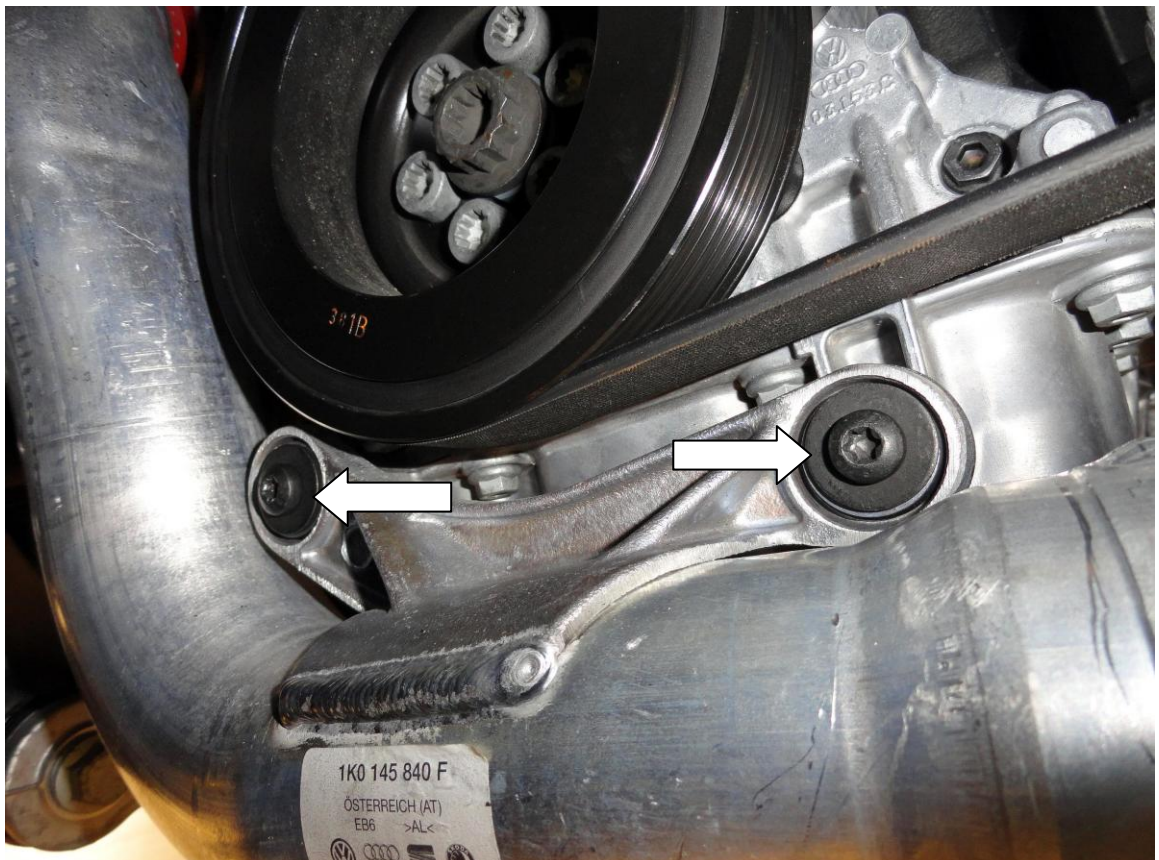
15. Position the intercooler in the front of the car – you should find the four mounting tabs slip over the plastic radiator pack. Once you are happy with the core position, mark each of the four mounting points with a pen and remove the core.



16. Drill a **shallow** 4mm hole in the centre of each of your marks, and if you wish use the screw to tap out its own thread while the core is removed. Then use the supplied penny washers with each of the screws, and affix the core to the car.



17. To enable easier fitment of the hose on the passenger side of the car, undo the two T30 screws holding the boost pipe to the lower edge of the block.



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



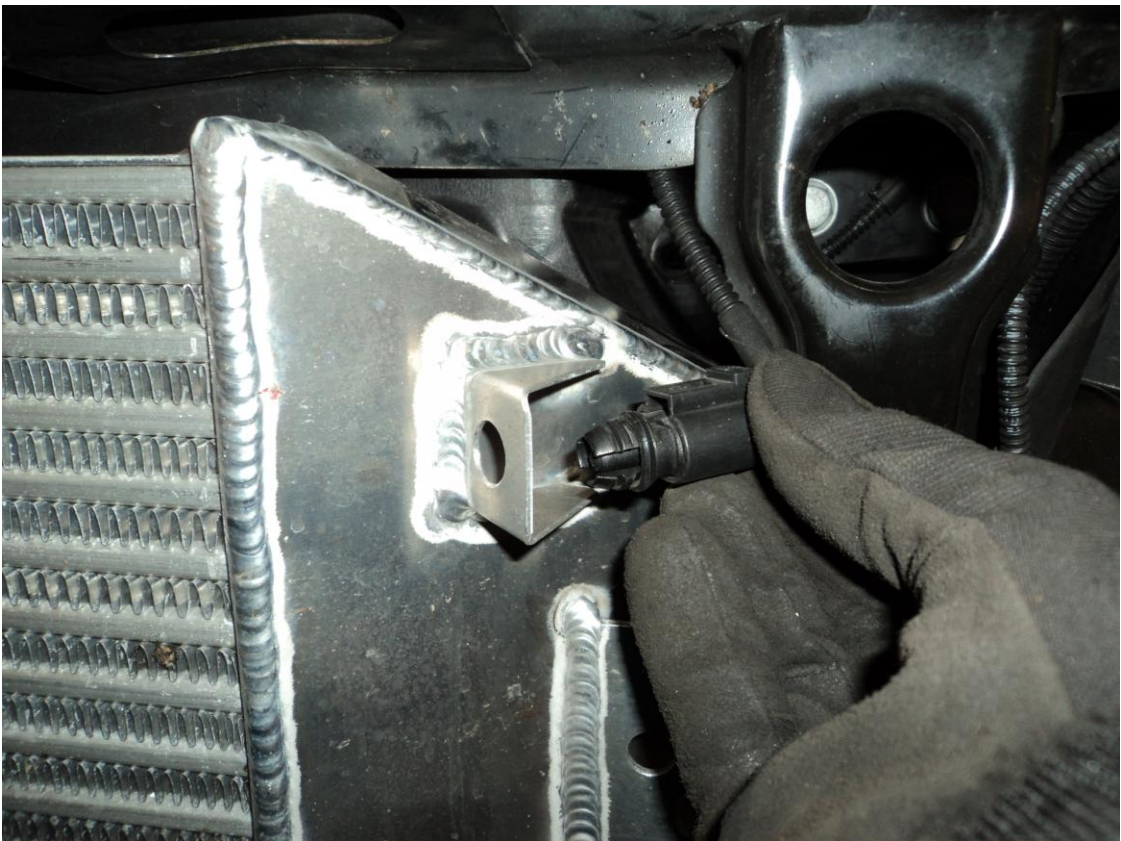
Use the provided bayonet coupler from step 7 to fit the hose to the turbo outlet. Once fitted, retighten the screws you loosened in step 16.



19. Under the car, remove the second clip from the front on both sides that used to retain the undertray. This is because the new silicon hoses are directly above them, and it will prevent you or anyone else accidentally putting a screw through the silicon hose.



20. Lastly insert the air temp sensor removed in step 13 into the bracket on the front of the intercooler.



Installation is complete ! Enjoy your new found performance !



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