

VW Mk8 Golf R Intercooler Fitting Instructions

Tools needed:

- Ratchet Set
- Extension Bar
- Allen Key Set
- T20 Torx
- T25 Torx
- Grips
- Flat-Bladed Screwdriver

Kit Includes:

- 1x AIRTEC Motorsport Intercooler
- 2x Pro Hoses Silicone Hoses
- 2x Short Mounting Plates
- 2x Long Mounting Plates
- 2x M4x12 Grub Screws
- 8x M5x12 Socket Head Bolts
- 1x Pro Hoses joiner
- 1x AIRTEC Motorsport alloy hose joiner
- 8x M5 Pan Washers
- 4x Jubilee Clips
- 2x 12x1.25 Self Tapping Screws
- 2X M6 Washers

PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT



Instructions:

1. Start by removing two T20 bolts from the top of the grille, then lift it up out of the way and unplug the wiring attached below.



2. Remove the three T20 bolts from each inner arch liner then pull the liners back and remove the additional T20 from the top bracket as shown.



3. You may have an optional rubber trim attached to the bumper and wing. If so, remove this by gently pulling it away from the car. You can now firmly but carefully pull the bumper away from the wings on both sides of the vehicle.



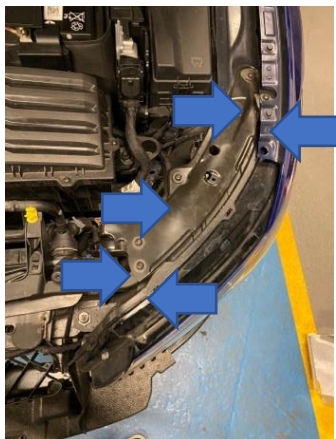
4. From underneath, remove the 10 T20 bolts from the front bumper undertray.



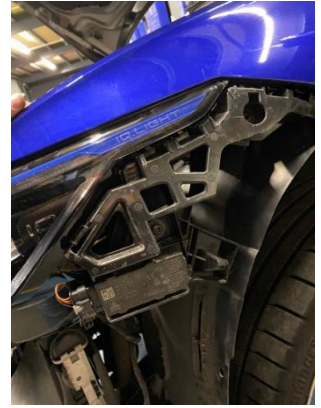
5. The final fixing points for the front bumper are the six T20 bolts on top of the where the grille was located. You can now remove the front bumper and whilst doing so, unplug the wiring harness on the right-hand side of the bumper.



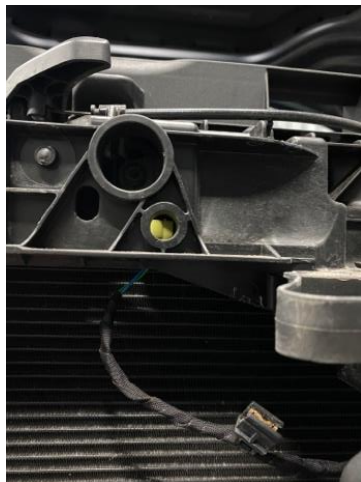
6. You will now need to remove the metal brace on top of the headlights going from the radiator pack to the wing by removing the five T25 bolts securing it in place. You will need to do this on both sides, so make sure to have something in place to support the bonnet and be aware that the headlights will now be loose. Also remove the T25 bolt from the top of the headlight bracket and then unplug the wiring going to the bonnet latches.



7. The headlights can now be fully removed by unplugging them from the bracket on the side of the headlight and the back of the headlight. Then remove the two 10mm nuts from where the headlight bracket meets the wing. Also remove the two T25 bolts securing the headlight bracket in place.



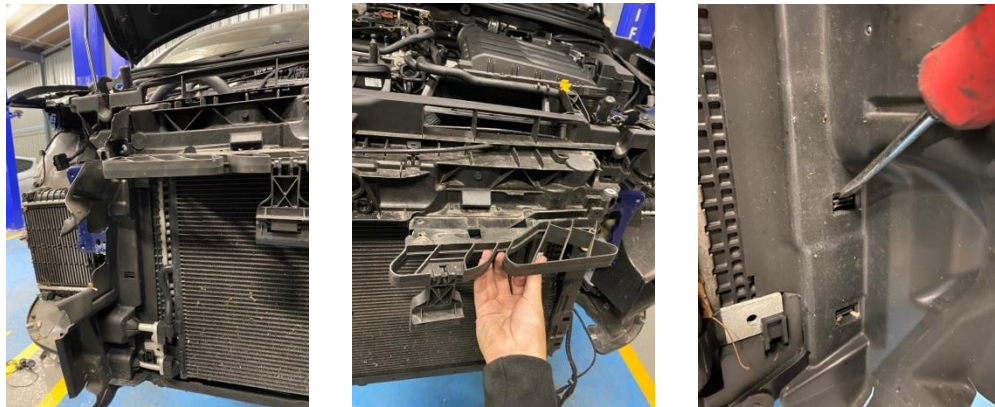
8. Unplug the sensor from the front of the rad pack directly underneath the bonnet latch, then remove the plastic cover from where the bonnet cables are attached and remove the left-hand side cable.



9. Remove the crash bar by unplugging the temperature sensor and horn. Then remove the eight 15mm bolts and four T25 bolts.

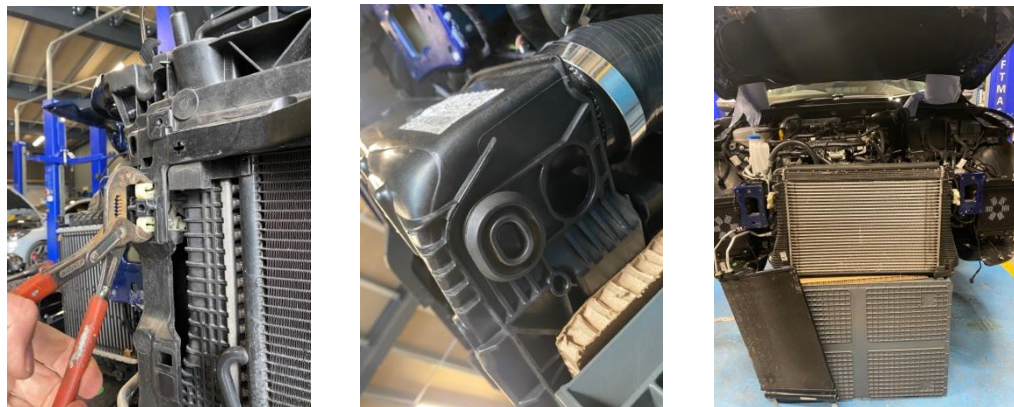


10. Now you will need to remove the plastic support brackets by removing the two clips from both sides using a trim tool. Then you can remove the plastic radiator air guides.

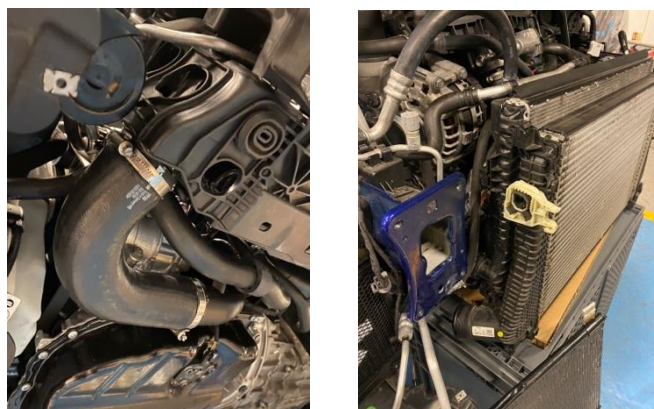


11. Release the original intercooler from the rad pack by using some grips and squeezing the plastic tabs together whilst pushing it back. These clips often break, so don't worry if they do. Then lift the air-con radiator out of the slotted tabs it's located in and gently place to the side without disconnecting the lines. The radiator cradle can now be removed from the vehicle by lifting the intercooler up and out of the rubber mounts, and then gently pushing it backwards whilst pulling the cradle forwards.

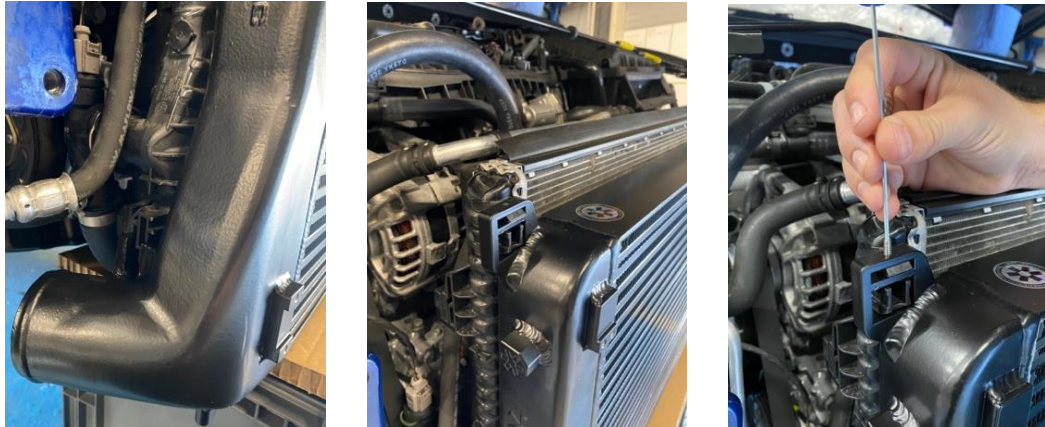
Important: You will now need to support the weight of the radiator from underneath.



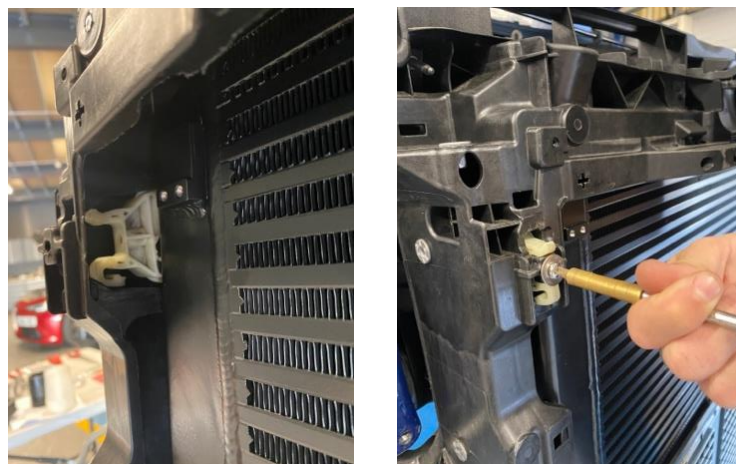
12. Remove the original intercooler by disconnecting the hoses.



13. Install the AIRTEC Motorsport intercooler in place by slotting the bottom radiator brackets into the back of the intercooler and then pushing the tabs through the top, and secure using the supplied grub screws with a 2mm Allen Key.



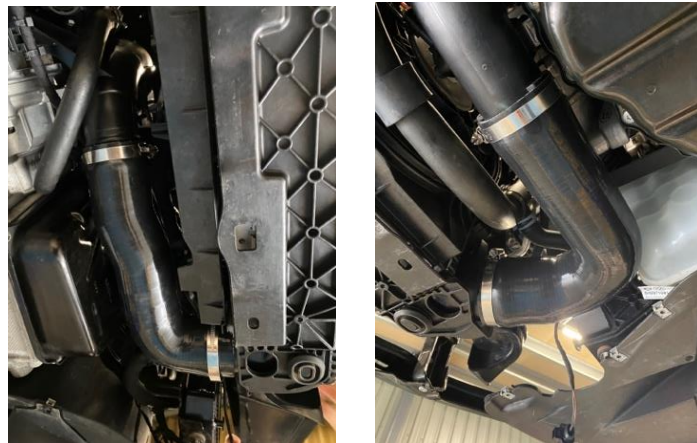
14. Refit the plastic tabs onto the new intercooler and reinstall the radiator cradle in reverse to Step 11. Then push the tabs back through the cradle and use the supplied self-tapper screws with washers to fully secure the intercooler in place, as shown.



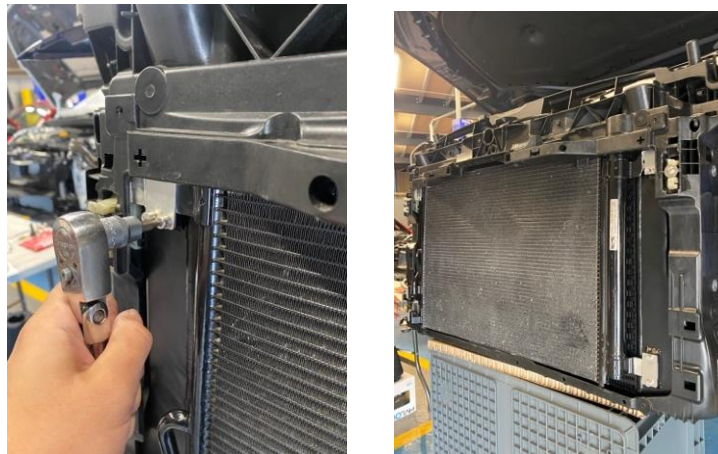
15. Install the supplied aluminium hose joiner into the short silicone pipe and then fit into the longer leg of the supplied 90-degree hose, as shown, and tighten the supplied jubilee clips.



16. Install the provided silicone hoses in place where the original hoses were located with the supplied jubilee clips.



17. Secure the air-con radiator onto the AIRTEC Motorsport intercooler by using the provided brackets that mount directly onto the threaded bosses on the intercooler. Use the provided Socket Head bolts to secure the brackets in place with a 4mm Allen Key to tighten securely.



18. Finally, refit the crash bar, headlights, front bumper, arch liners and grille in reverse of Steps 1 to 10 and check everything is tight.



