

Audi RS3 (8Y) Intercooler Fitting Instructions

Tools Required:

- Ratchet and Socket Set including Torx bits
- Trim removal tool

Kit Contents:

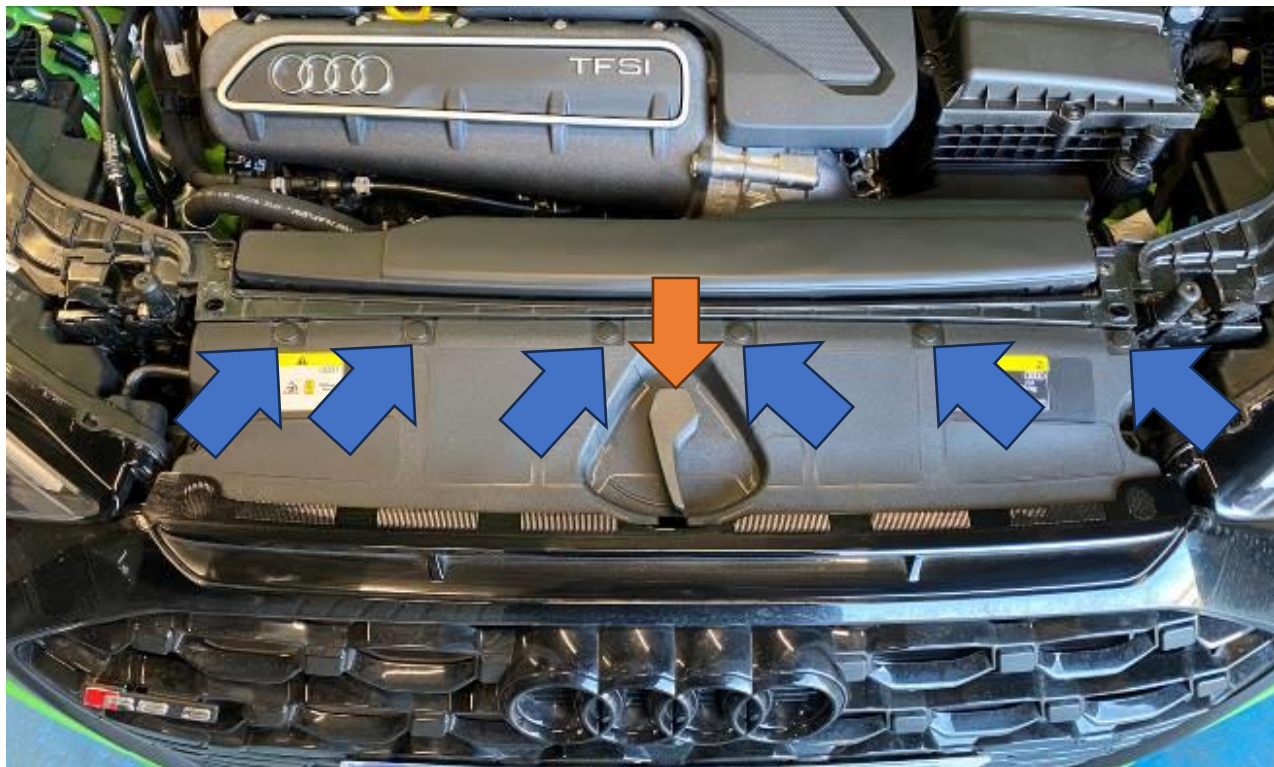
- 1x AIRTEC Motorsport Intercooler
- 1x AIRTEC Motorsport Crash Bar Feet
- 2x M12x100mm Bolts
- 2x M12 Washers
- 2x M12 Nuts



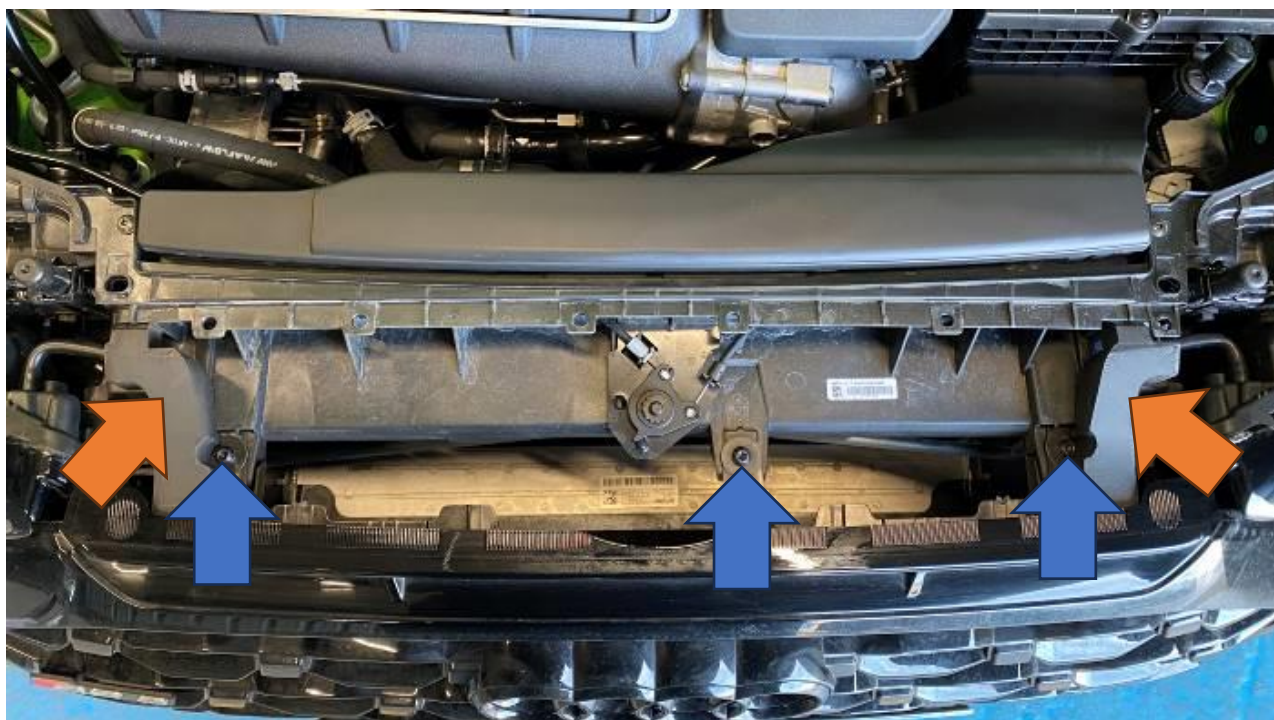
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions

1. To release the slam panel, remove the six trim clips (blue arrows) and release the bonnet latch handle by pressing the button on the back and lifting it up (orange arrow).



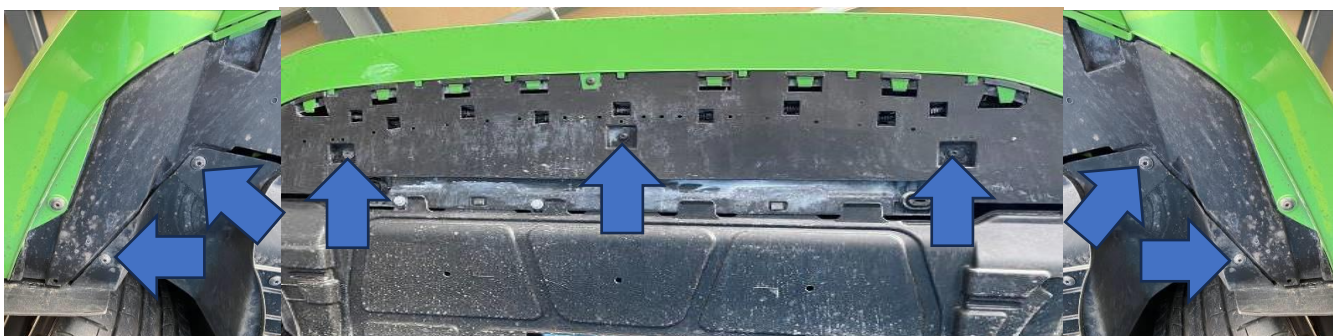
2. Underneath the panel there are two foam parts (blue arrows) that need to be removed by simply pulling them and then remove the three T27 Torx bolts (orange arrows).



3. Working in each wheel arch liner, remove the four T25 bolts (blue arrows) each side and then peel back the liner to gain access to one T27 bolt and one T25 bolt holding the front bumper to the wing.



4. Under the car, remove the two T25 bolts holding each arch liner to the underside of the bumper each side and then remove the three T27 bolts along the bottom of the front bumper.



- Using a second person to help, you can now carefully but firmly pull the edges of the bumper away to release it. On the passenger side, towards the bottom of the bumper underneath the auxiliary radiator duct, you will see the wiring plug that connects to the front bumper. Disconnect this and then you will need to remove the pipe going to the headlight washers (you will need a suitable container to catch the fluid that comes out). The bumper can then be removed and placed safely aside.



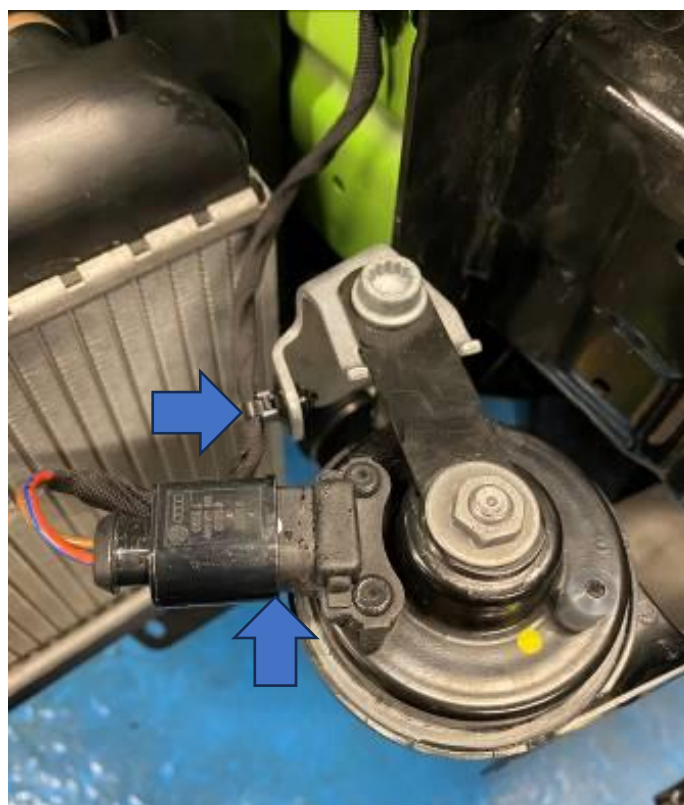
- The headlights will now need to be removed. There are four T27 bolts holding each headlight in place and you will also need to disconnect the wiring connector at the back of the headlight, along with the clips holding the cable to the back of the light.



- Remove the air guides going to the two side radiators by lifting the clips up on each side and pulling forward. On the passenger side duct there is a clip for the wiring harness that you will need to remove.



- Disconnect the horns and unclip the wiring harness from the bracket.



9. Unclip the air temperature sensor by squeezing the clip at the front of the sensor.



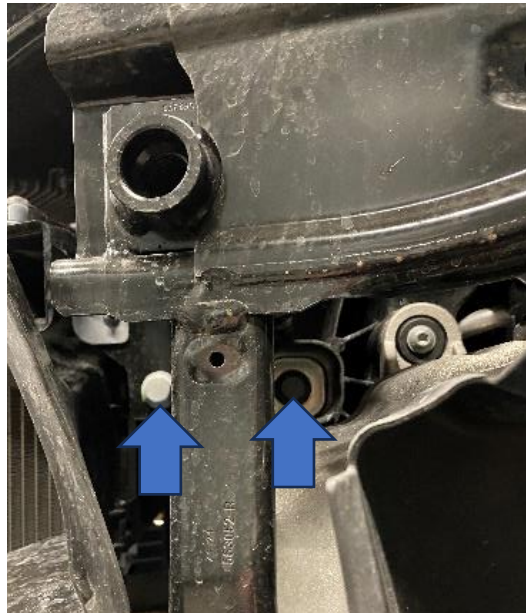
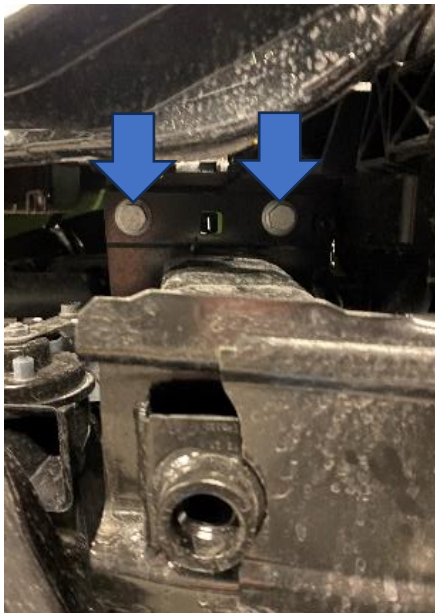
10. Remove the upper air guides on each side by pulling them from their bases to release.



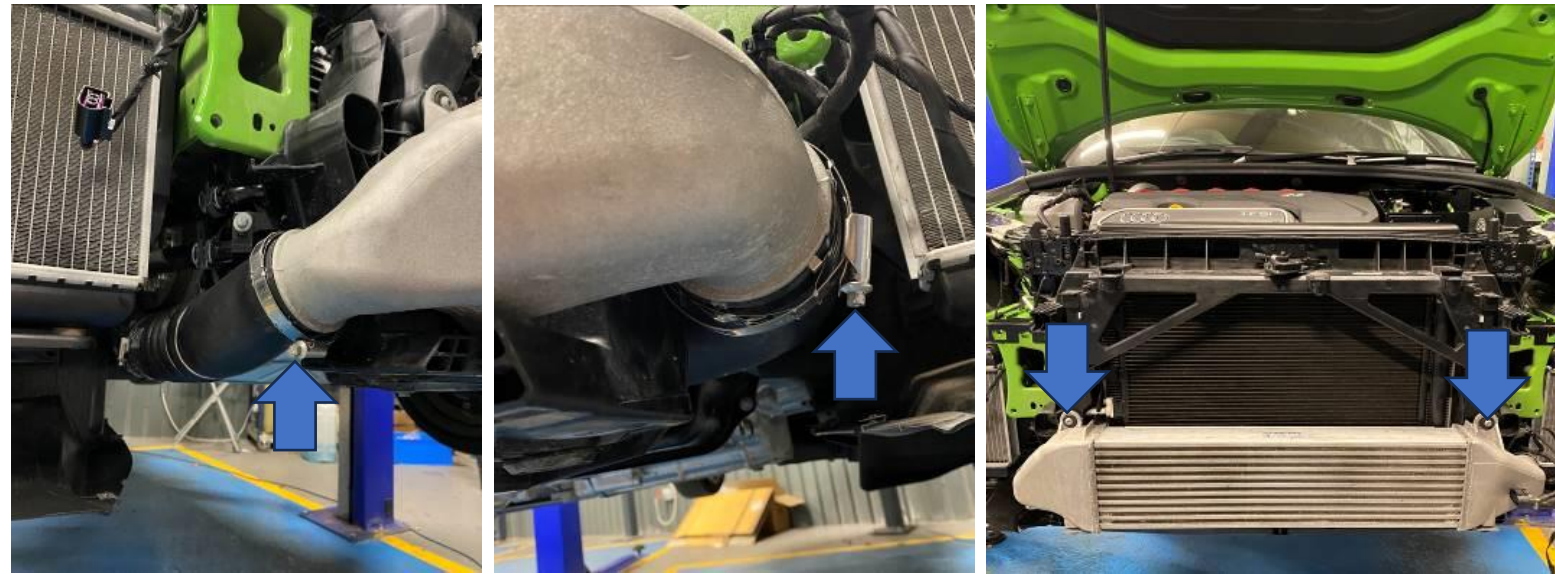
11. The lower air guide can now be removed. Carefully pull it forward to release and then guide it out between the intercooler and crash bar.



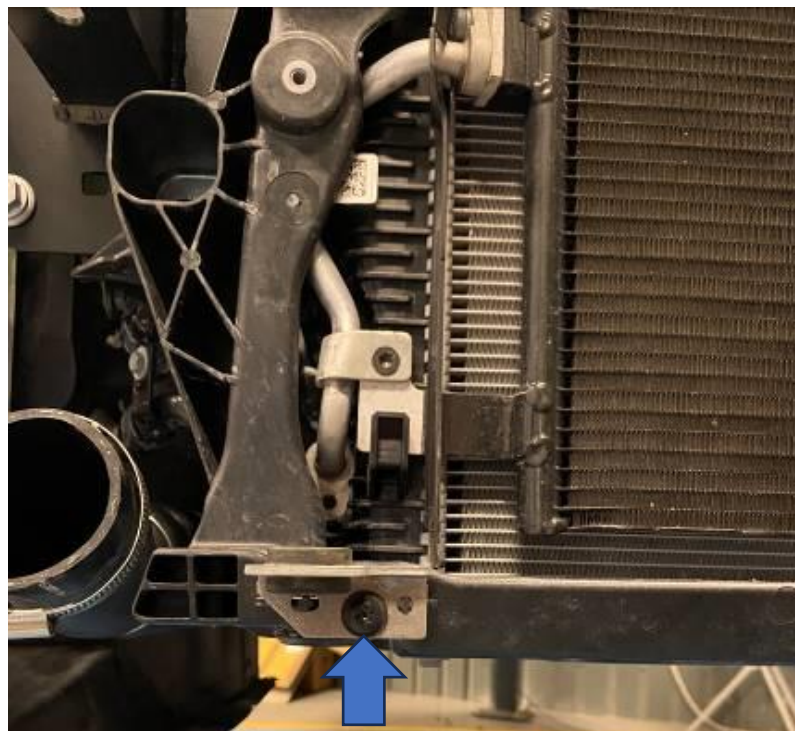
12. Remove the four bolts each side holding the crash bar to the car. The crash bar then lifts up, tilts forwards and comes off going up through the cut outs in the rad pack, as shown.



13. Undo both hose clamps going to the original intercooler and then undo the two T30 bolts holding the intercooler in place. Then lift it up to release it from the lower brackets and remove from the car.



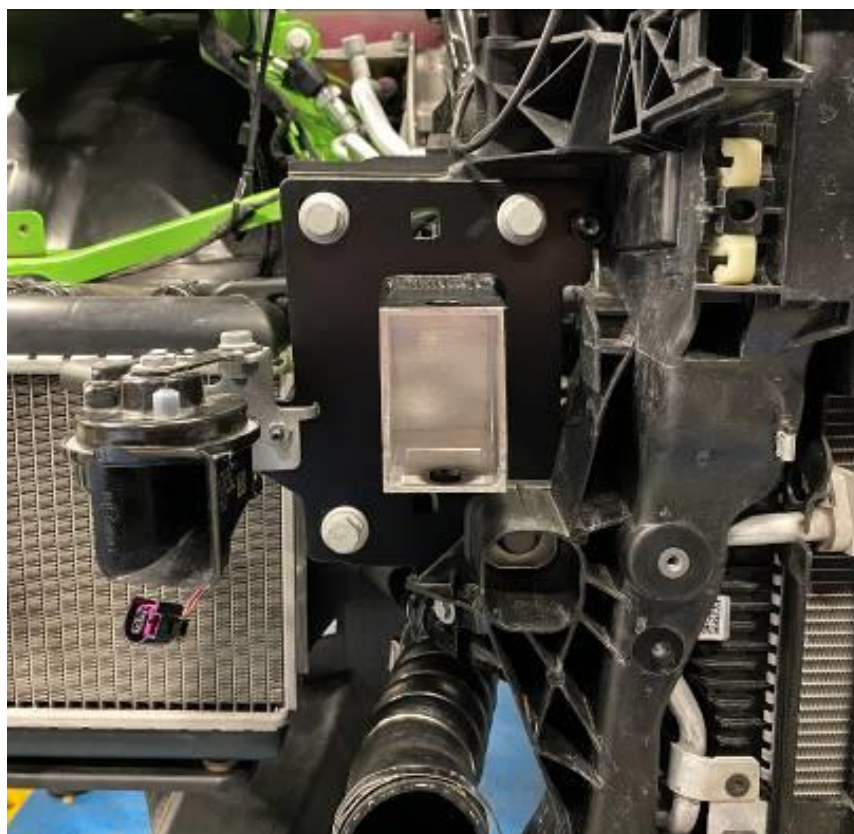
14. Undo the lower brackets by removing the T27 bolt each side.



15. Remove the horns from the original crash bar with a T27 Torx bit and then install them onto your new crash bar feet, as shown.



16. Fit the new crash bar feet reusing the original bolts removed in Step 13 but **do not fully tighten at this stage.**



17. Place the intercooler onto the car and use the supplied M12 bolt, washer and nut each side to secure in to the crash bar feet but **do not fully tighten at this stage.**



18. Reinstall the lower brackets using the original bolts removed in Step 15, along with the hoses removed in Step 14 and fully tighten the hose clamps.



19. On the crash bar feet, ensure they are as straight as possible and fully tighten the bolts. Then fully tighten the nut and bolt from Step 18.

Please note: If the intercooler alignment appears crooked, the crash bar feet bolts will need to be loosened and readjusted.



20. Finally, reinstall the air temperature sensor, auxiliary radiator guides, reconnect the horns and reinstall the headlights. The upper and lower air guides are not refitted. The bumper can then be reinstalled in the reverse of removal.

