

# Renault Megane Mk4 RS 280/300 Intercooler Fitting Instructions

## Tools needed:

- Socket set
- Torx bits
- Trim tool or flat-bladed screwdriver
- Tri-point Socket (special socket designed for specific air intake hose clamps)

## Kit Includes:

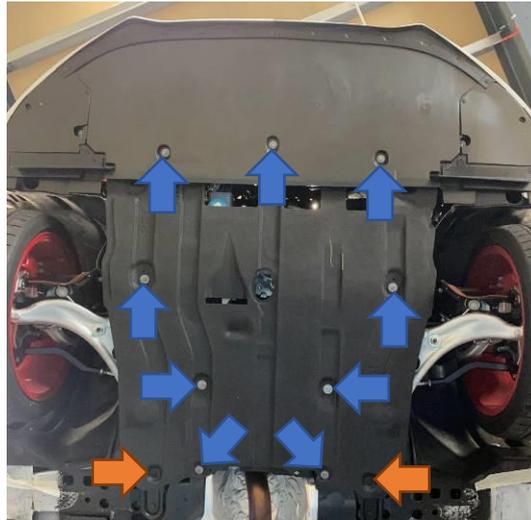
- 1x AIRTEC Motorsport intercooler
- 1x Pro Hoses silicone hose
- 1x 70mm Jubilee clip
- 1x 80mm Jubilee clip
- 1x M6x10mm Socket Head bolt
- 1x M6x16mm Socket Head bolt
- 1x M6 Pan Washer
- 1x M6 25mm washer

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



## Instructions

1. Start by raising the vehicle into the air either using a jack and axle stands or a vehicle lift using the manufacturer's recommended jacking points.
2. Working underneath the car, remove the nine 10mm bolts (blue arrows) and two trim clips (orange arrows) to release the undertray.



3. Using a trim tool, remove four plastic clips in driver's arch liner (right-hand drive) and 10 on the passenger side, then remove the front half of the passenger arch liner.



4. Remove air feed by pulling it back to release from the front bumper. There is a rubber bung by the battery that holds the rear. It can be removed and placed aside.



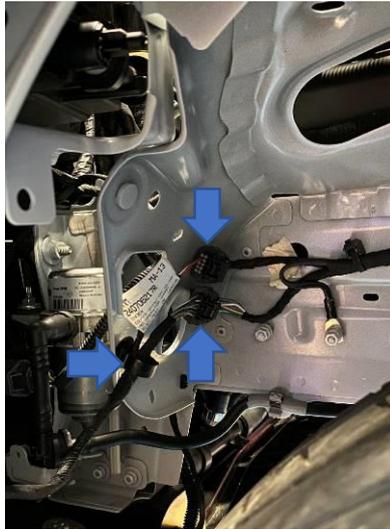
5. Undo the four T20 Torx bolts along the front panel.



6. Unhook the bonnet cable from the latch.



7. Undo the two multi plugs in the passenger wheel arch and release the cable from the clip holding it in place.



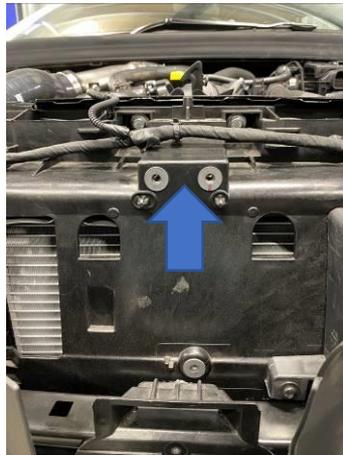
8. Undo the 10mm bolt holding the bumper to the wing. Then carefully but firmly pull the edges of the bumper to release it and with a second person remove the bumper.



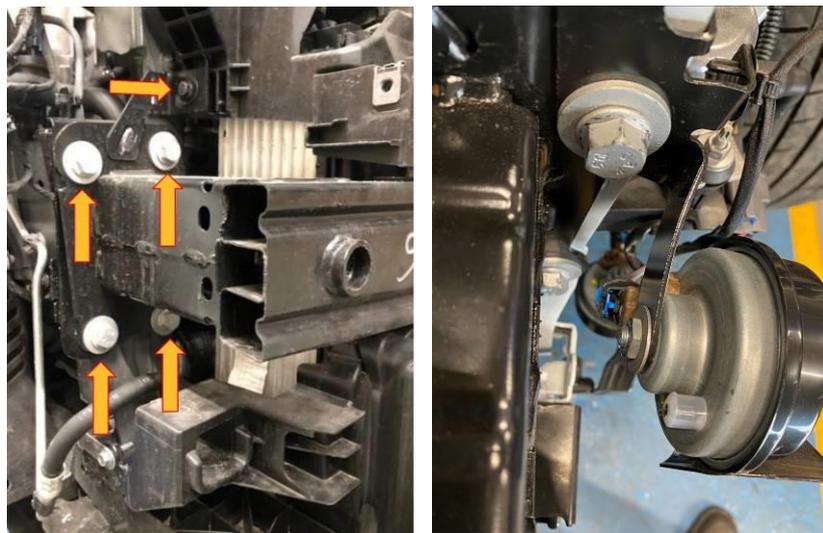
9. Remove three 10mm bolts on each headlight, disconnect the three plugs and remove the clip holding the cables to the headlight. Then remove and set aside.



10. If your car has Active Cruise Control (ACC) then it will be located here. Unplug the wiring harness and undo the two bolts holding it to the plastic surround, which will then allow it to come off with the crash bar in the next step.



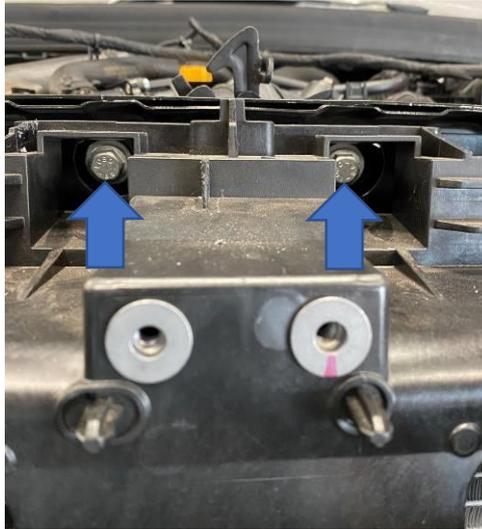
11. Undo the eight 16mm and two 10mm bolts holding the crash bar to the car. The horn is on a bracket that attaches to the crash bar, so as you unbolt the crash bar you will be able to move the horn out of the way without disconnecting it.



12. Unclip wiring loom that follows along the top of the plastic surround and disconnect the plug going to the bonnet latch (orange arrow).



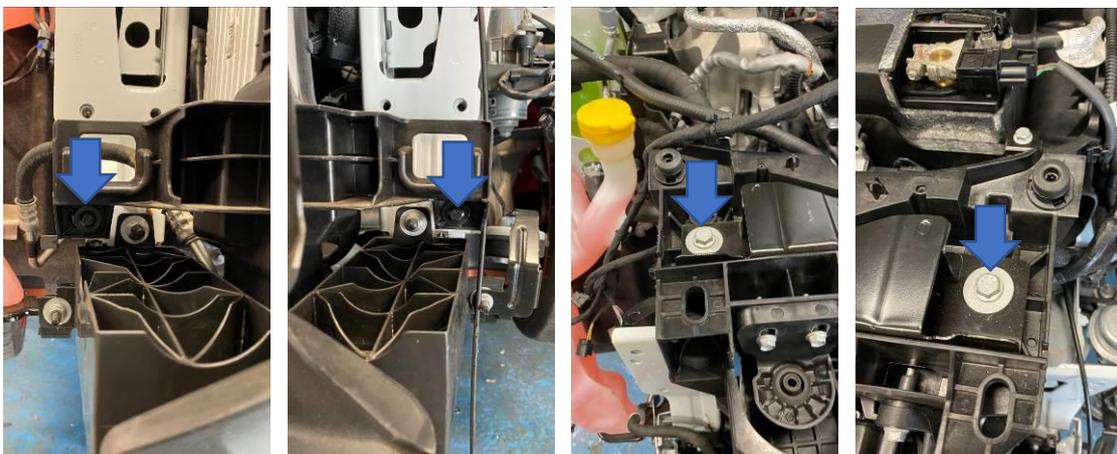
13. Release the bonnet latch by removing two 13mm bolts. Then move it to the side and out of the way without disconnecting the cable.



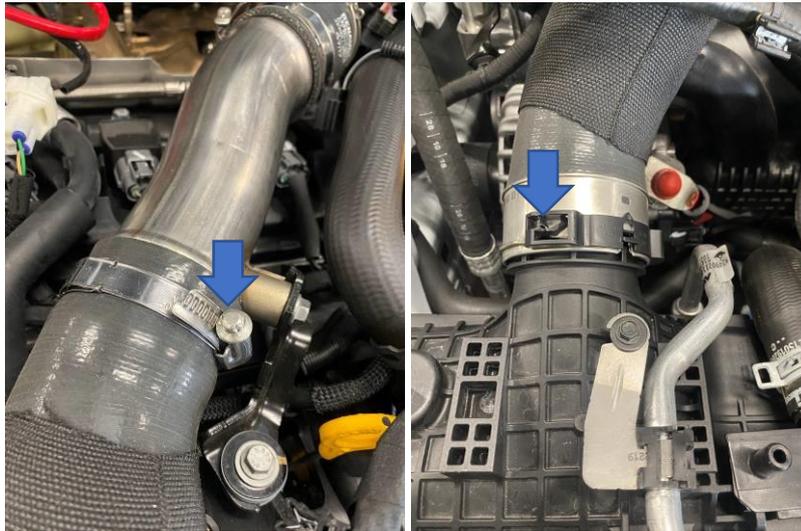
14. Undo the two 10mm bolts holding the wiring onto the upper part of the front panel.



15. The front surround can now be removed by undoing the two 10mm bolts in each lower corner and the two 13mm bolts on the top one in each corner. Then lift the surround up over the pegs and remove from the car.



16. Remove the boost hose by undoing the hose clip using a Tri-point socket for one end and then undoing the clip on the end attached to the intercooler.



17. Undo the bottom boost hose by lifting up the clip and pulling on the pipe to release.



18. Remove the 7mm bolt holding the air-con pipe to the top of the original intercooler.



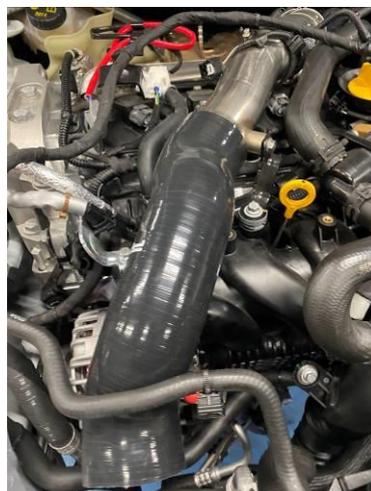
19. Using a flat-bladed screwdriver, unclip the intercooler and it can then be released from the radiator. Tilt the intercooler to the left and then lift to clear the air-con pipe, but do take care as you remove.



20. Remove the screw from the top left duct fitted and cut 12mm from the end of the thread to stop it from interfering with your new intercooler. Then refit.



21. Slide the new silicone hose in place, as shown.



22. Install your new AIRTEC Motorsport intercooler by placing it into the bottom first and then standing it upright. Use the supplied M6x10mm bolt with Pan Washer to attach the bracket holding the air-con pipe and ensure that it's inside the bracket on the back of the core, as shown. Tighten the jubilee clips on the silicone hose and clip on the lower boost pipe to the intercooler.



23. Reinstall the surround - you may need to undo these two 10mm bolts and position the bracket so it sits on the intercooler post. Once happy with the position, use the M6x16mm Socket Head bolt with 25mm washer to secure the post to the bracket.



24. Finally, reinstall the parts removed in reverse of Steps 1 to 16.

