

Renault Megane Mk4 RS Oil Cooler Fitting Instructions

Tools needed:

- Socket Set including Torx bits
- Hose Clamp Pliers or similar
- Ruler and Pen to mark up area to cut
- Sharp Knife
- Adjustable aluminium spanner for hose fittings
- Oil of the correct grade to top up after installation (refer to the vehicle's handbook)

Kit Includes:

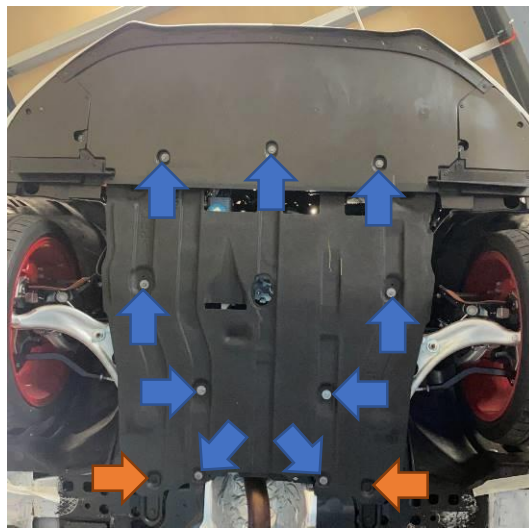
- 1x AIRTEC Motorsport oil cooler
- 1x AIRTEC Motorsport oil cooler bracket
- 1x AIRTEC Motorsport oil cooler take off adaptor
- 2x AN10 oil lines
- 1x Alloy pipe joiner
- Fixings:
 - 4x M6x16mm Socket Head bolts
 - 8x M6 Pan Washers
 - 4x M6 Nyloc nut
 - 2x Spacers
 - 2x 21mm P-clips

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 six 10mm bolts (blue arrows) and two trim clips (orange arrows) to release the undertray. Then remove the front three 10mm bolts attaching the bottom of the bumper to the car.



3. Using a trim tool, remove the four plastic clips highlighted in each arch liner and remove the section from the car.



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



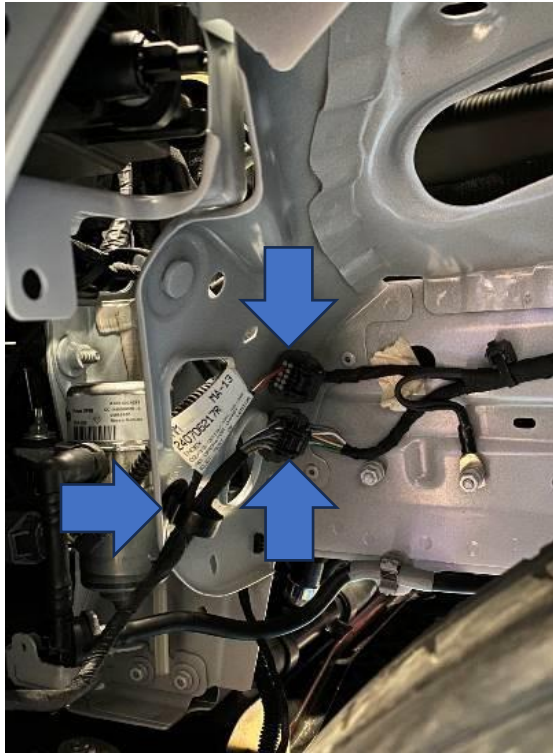
5. Release the four T20 Torx bolts along the front panel.



6. Unhook the bonnet cable from the latch.



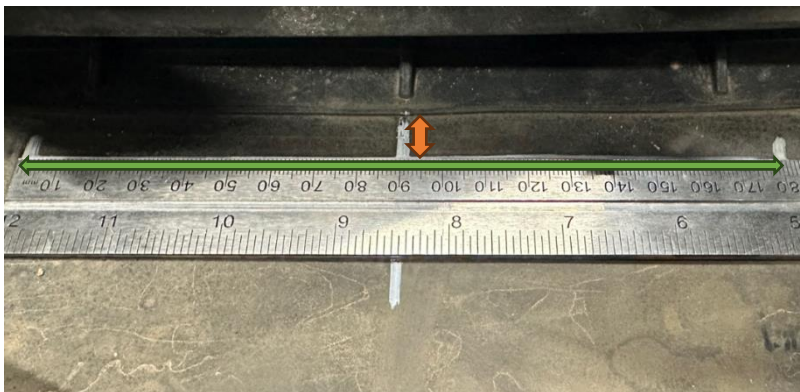
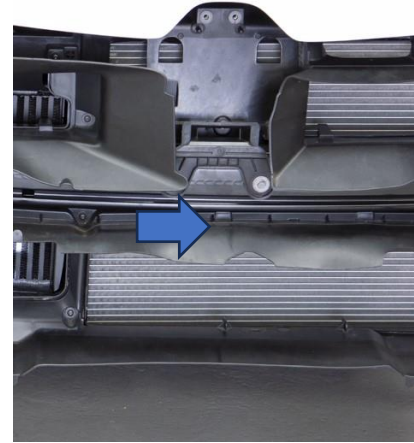
7. Undo the two multi plugs located in the passenger side (for right-hand drive) wheel arch and release the cable from the clip holding it in place.



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



9. On the car's lower rubber air guide you will need to make a cut in order to install the bracket and lines. Using a ruler, measure approximately 14mm (orange arrow) out from the centre of the surround and then mark 90mm either side of it (180mm total – green arrow). Using a sharp knife, now cut along the line, as shown.



10. Undo the two 10mm bolts and washers located above the cut and insert the supplied AIRTEC Motorsport bracket through the gap created. Then reinstall the bolts with the provided spacers mounted behind the new bracket so it sits level, as shown.



11. From underneath the bracket, mark out and cut where the oil fittings will go through the air guide. Once both holes are made, the oil cooler can be fitted to the bracket using the four supplied bolts and nyloc nuts with washers both sides, as shown.



12. Connect both of the oil lines to the oil cooler; the longer of the two goes on the right-hand side when looking from the front and shorter on the left-hand side. Use the supplied P-clips to attach the lines to the car by undoing the bolt highlighted with the blue arrows.



13. Working under the car, locate the original oil cooler modine above the oil filter. You will need to remove the two coolant lines attached to it using hose clamp pliers (or similar) and then insert the supplied alloy pipe joiner between them to link the hoses, reusing the original hose clamps, as shown. We recommend clamping the lines to lose minimal coolant.



14. To remove the original oil cooler modine, undo the four 10mm bolts. Once removed, transfer the original O-rings to your new AIRTEC Motorsport oil cooler take off adaptor and then reinstall using the original bolts.



15. Install each of the oil lines onto the new oil cooler take off adaptor and ensure all fittings are tight.



16. **IMPORTANT:** Finally, top up the oil (approx. 500ml) and start the car. Look immediately for leaks from any of the four connections. If there are, turn the engine off and retighten the fittings and repeat. Then let the car get to full operating temperature, recheck the oil level and top up if required. Once the level is correct, refit the bumper, arch liners and undertray in reverse of removal.

