

# AIRTEC MOTORSPORT Fitting Instructions

<b>Vehicle:</b>	Toyota Yaris GR Gen 2
<b>Product:</b>	Automatic Gearbox Oil Cooler
<b>Part number:</b>	ATMSYGR12



## Kit Contents:

<ul style="list-style-type: none"><li>• 1x AIRTEC Motorsport Gearbox Oil Cooler</li><li>• 1x Front Scoop</li><li>• 1x Rear Scoop</li><li>• 1x Laser Cut Grille</li><li>• 2x Mounting Brackets</li><li>• 1x Hose Mounting Bracket</li><li>• 2x Pro Hoses Silicone hoses</li><li>• 1x 70mm Jubilee Clips</li><li>• 3x 60mm Jubilee Clips</li></ul>	<ul style="list-style-type: none"><li>• 2x 10mm Pro Hoses Bungs</li><li>• 5x M6x16mm Socket Head Bolts</li><li>• 4x M6 Mudguard Washers</li><li>• 1x M6 Pan Washers</li><li>• 6x M5x10mm Button Head Bolts</li><li>• 6x M5 Mudguard Washers</li><li>• 4x 20mm Jubilee Clips</li><li>• 1x 25mm P-Clip</li><li>• 1x Litre of Preferred gearbox Oil</li></ul>
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## Tools Required:

<ul style="list-style-type: none"><li>• Ratchet and Socket Set</li></ul>	<ul style="list-style-type: none"><li>• Jubilee Clip Flexi-Driver</li></ul>
<ul style="list-style-type: none"><li>• Trim Removal Tool or Flat-Blade Screwdriver</li></ul>	<ul style="list-style-type: none"><li>• Cutting Tool (Hacksaw or Dremel)</li></ul>
<ul style="list-style-type: none"><li>• Hose Clamps</li></ul>	<ul style="list-style-type: none"><li>• Syringe to Fill Gearbox Oil</li></ul>

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

# Instructions:

1. First undo the 10mm bolts at the front of the bumper (blue arrows) and then remove the two plastic push fittings on either side (blue arrows). Next locate the larger wiring connector on the right-hand side of the bumper and disconnect (orange arrow).

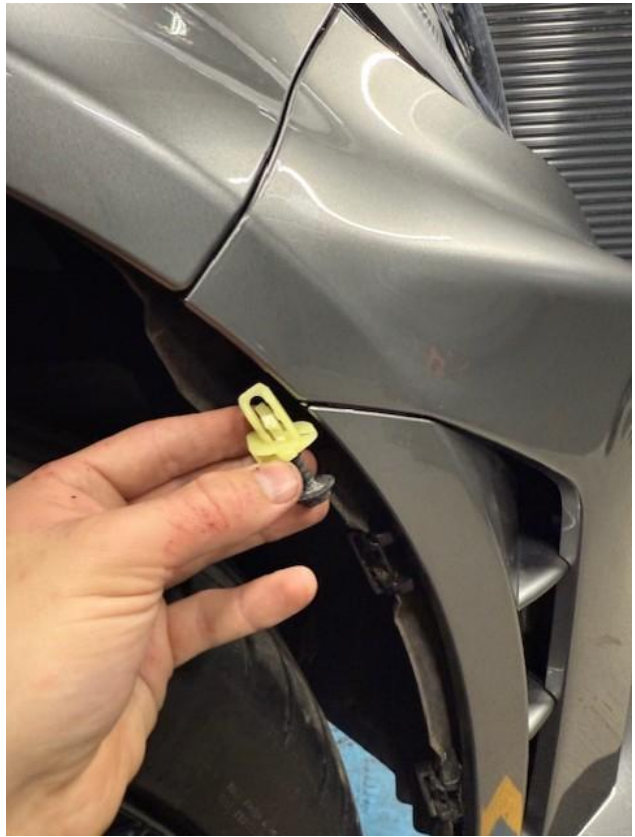


2. Inside each arch liner, remove the plastic push fit trim clip and then carefully unclip the two trim clip tabs and pull them apart to release each side of the bumper.





3. Now you can undo the 10mm bolts holding the wings to the bumper and as you do, a plastic wedge will come out with it. This is what secures the two parts together. They are different colours so ensure you remember which came from which side.



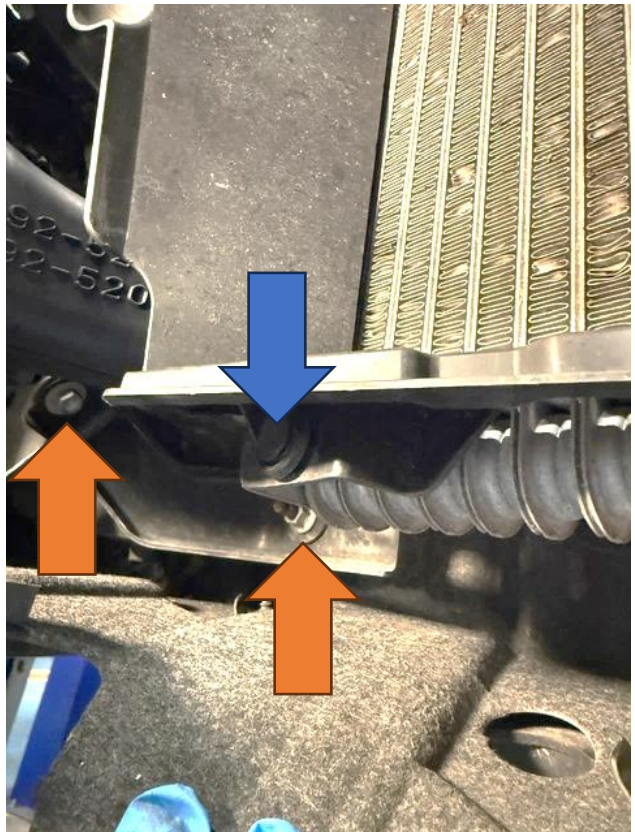
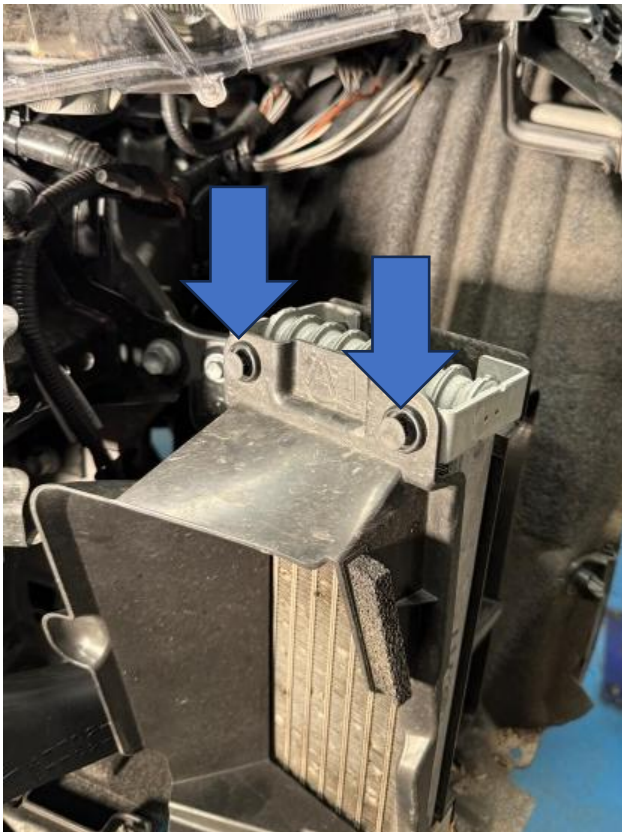
4. Move under the car and undo the four 10mm screw holding the plastic bumper tabs (green). Then remove the eight 10mm bolts on either side holding the arch liner to the front bumper.



5. Carefully but firmly pull the edges of the bumper to release.

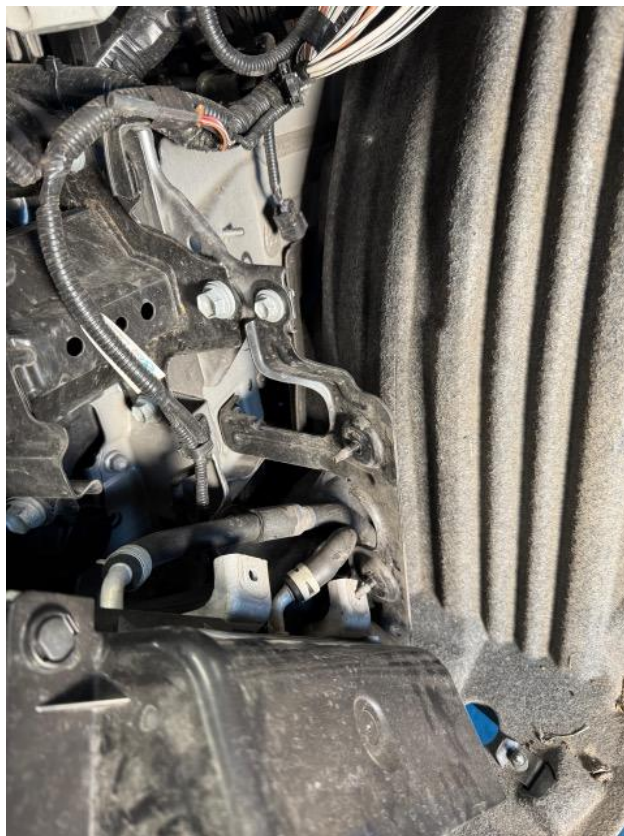
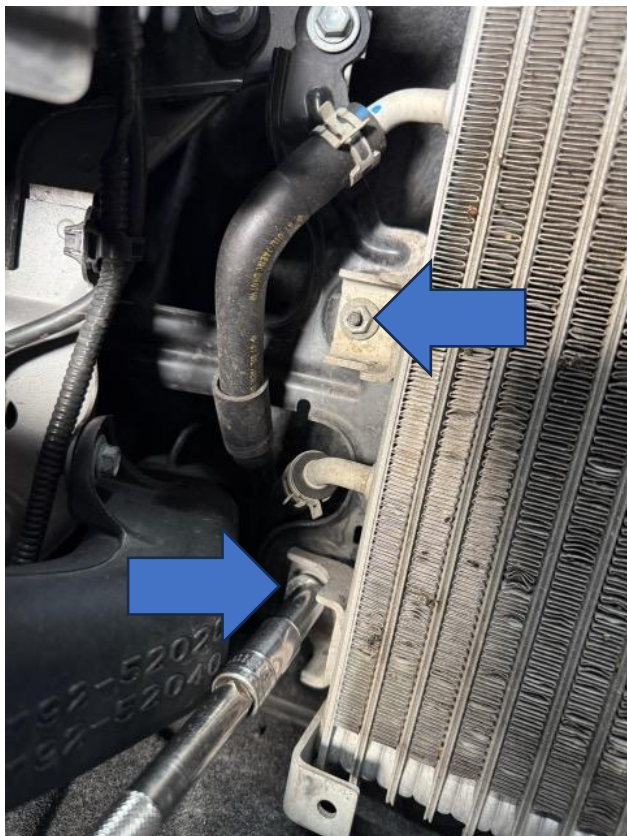


6. Locate the original gearbox oil cooler and remove the front plastic scoop. There are push fits top and bottom that need to be removed (blue arrows) and one nut and one bolt (orange arrows).





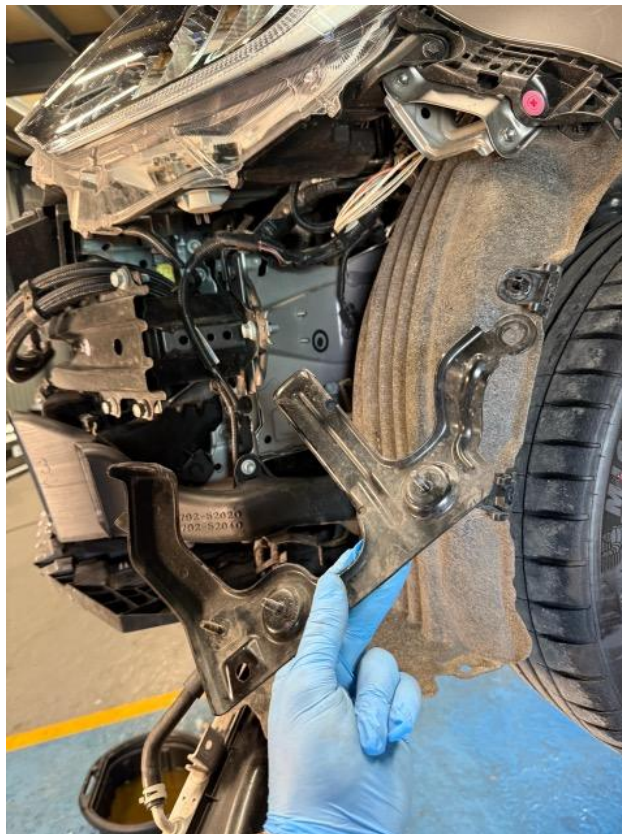
7. Undo the mounting nuts on the side of the gearbox oil cooler and carefully lean it forward to expose the original mounting bracket.



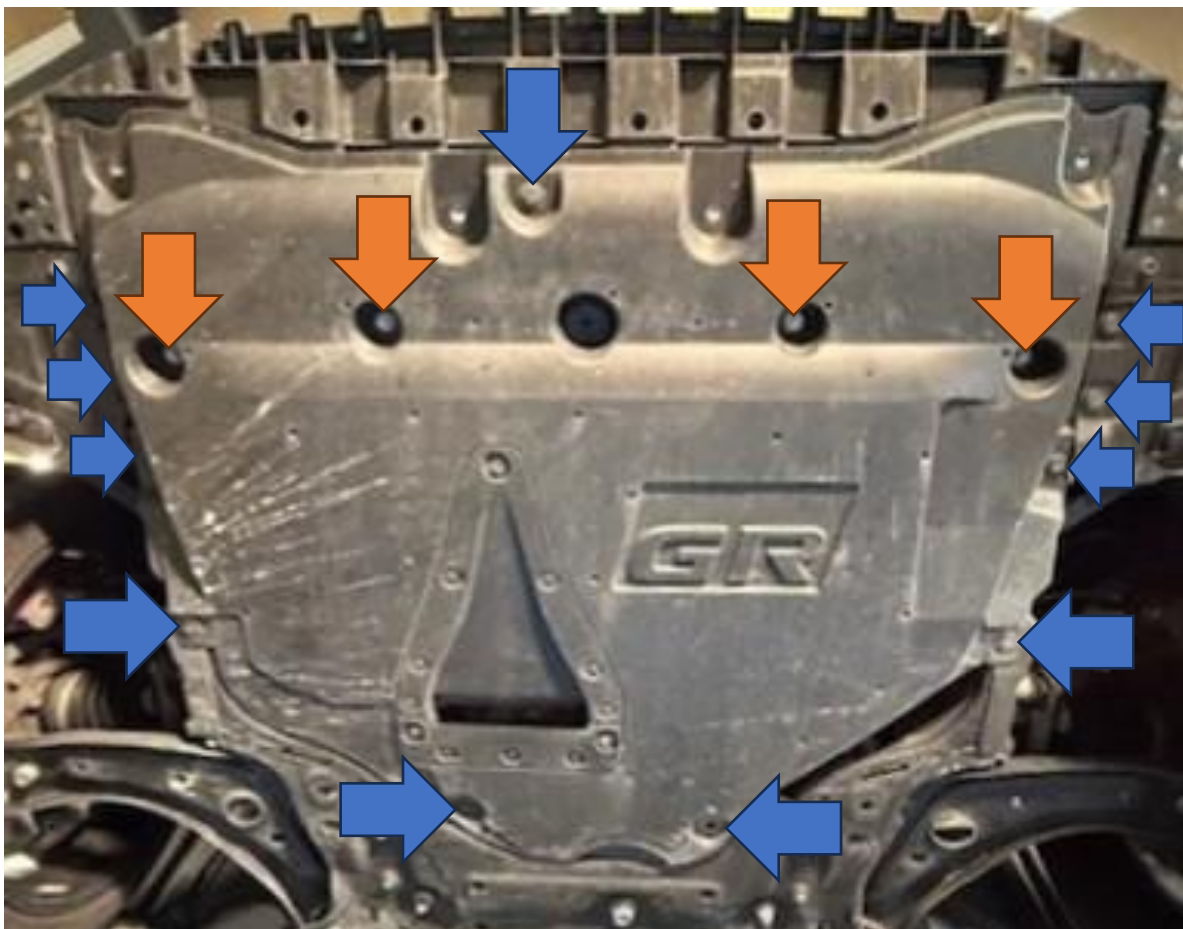
8. Now undo the black mounting bracket. The bolts will be reused for the new AIRTEC Motorsport cooler brackets.



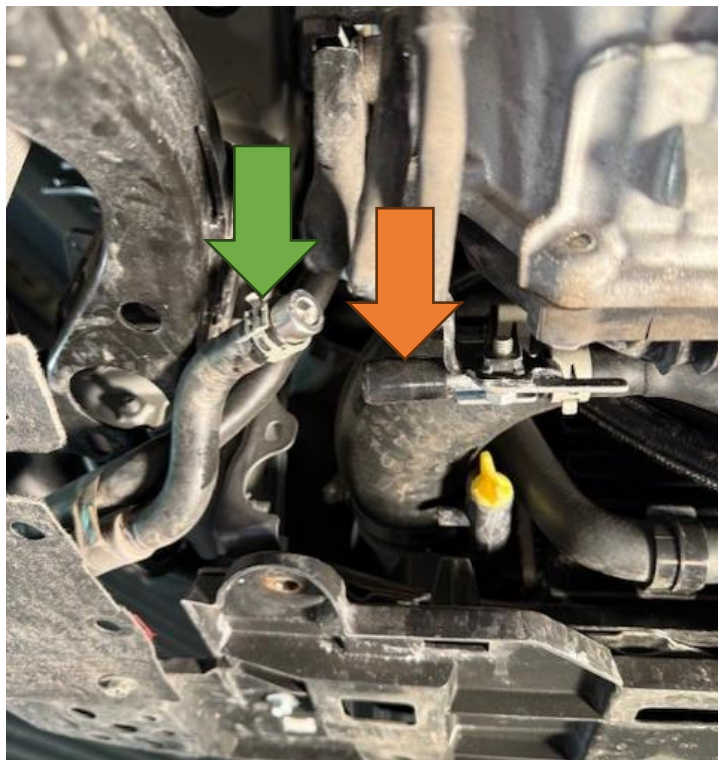
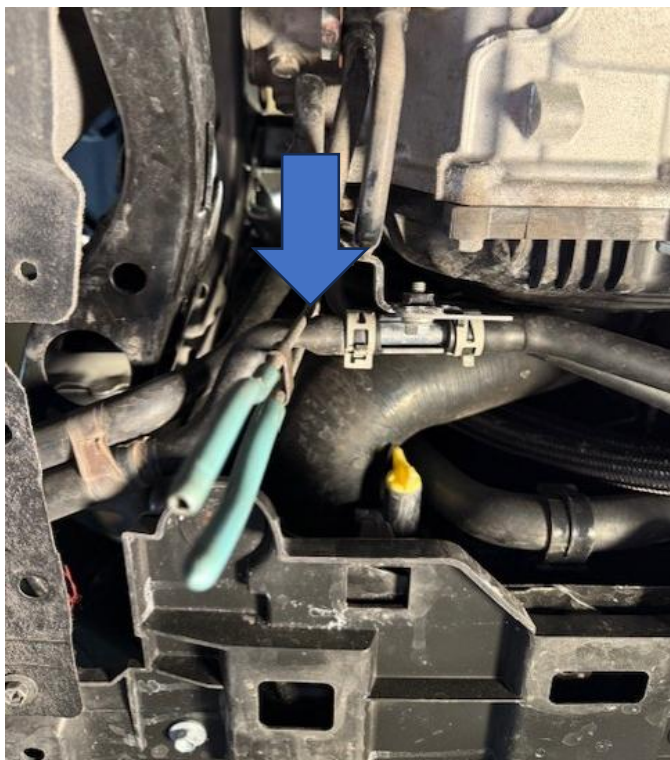




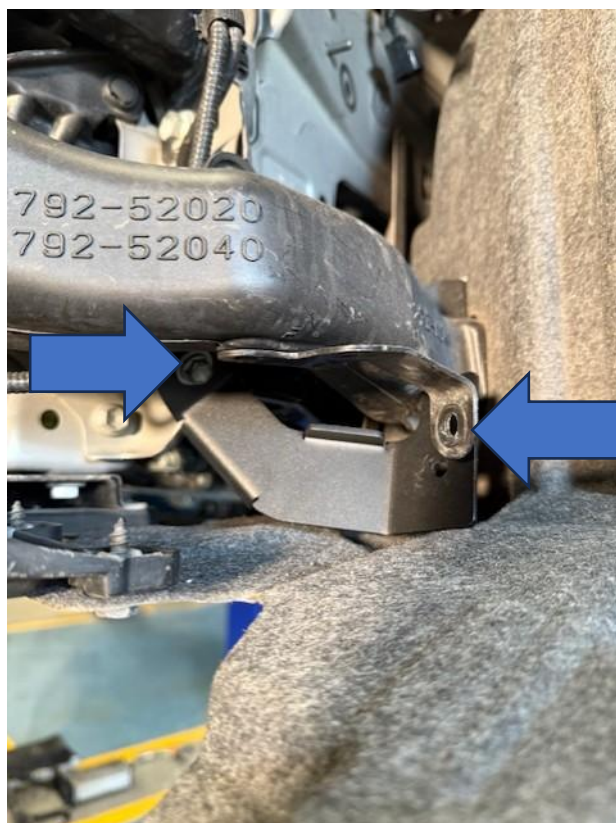
9. Working under the car, release the under tray by removing the 11 push fittings (blue arrows) and then the four bolts (orange arrows).



10. Locate the gearbox cooler oil lines and use hose clamps to stop oil flow (blue arrow). Then undo the bottom hose clip and quickly insert the supplied rubber bung (orange arrow) to stop additional oil loss. Take the M10 bolt and insert it in the hose and secure using the original spring clip (green arrow). Repeat the process for the top hose and then you can remove the gearbox cooler with the oil lines attached.



11. Now install the three supplied mounting brackets; two for the cooler and one for the new oil line. First install the bottom bracket using the original mounts for the brake duct bracket, as shown.

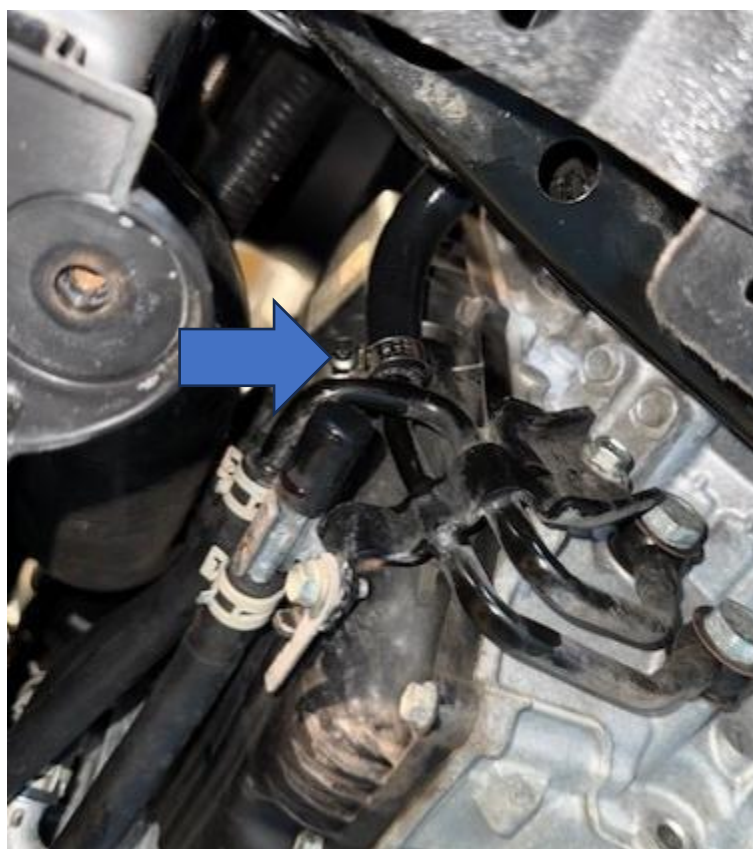




12. Install the top bracket using the original bolts (blue arrows), including the small hose bracket (orange arrow).

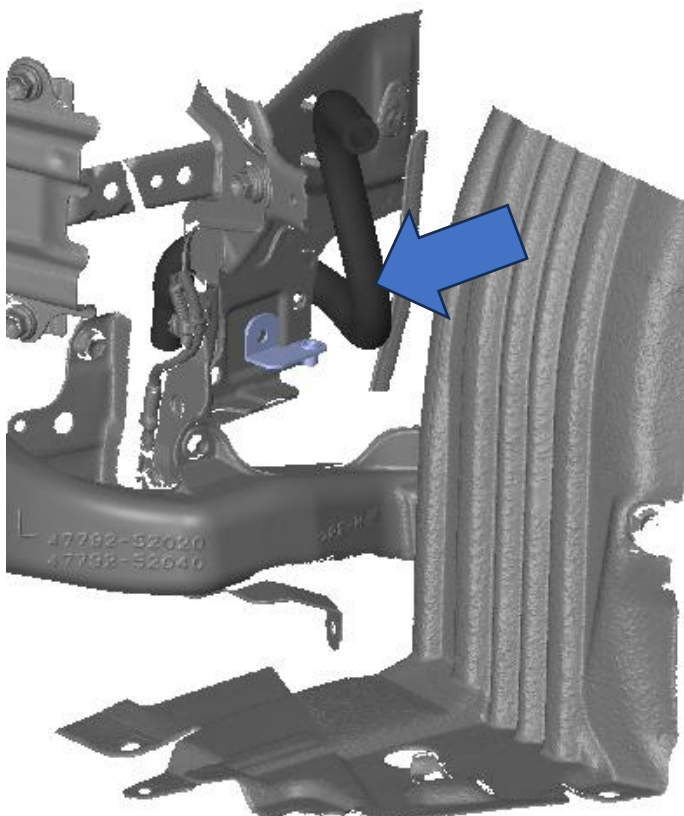
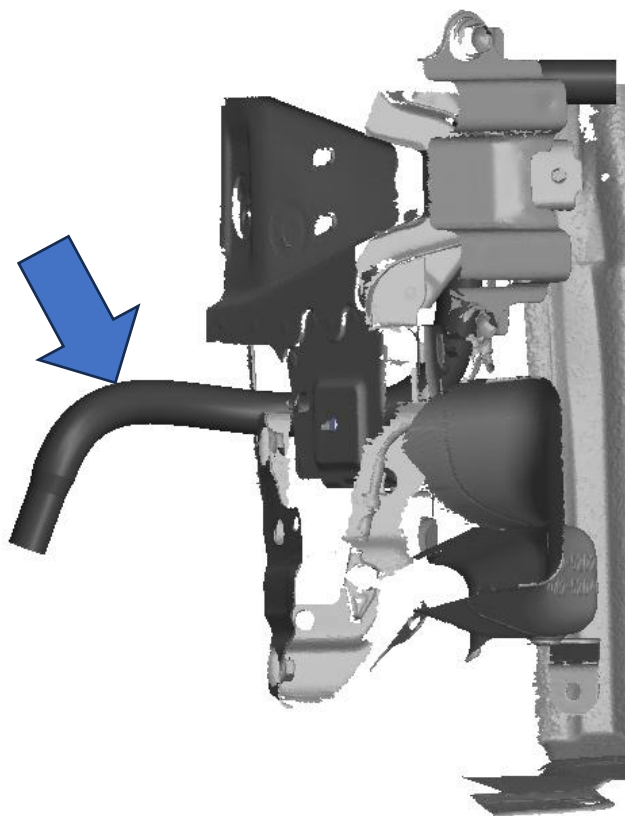


13. Under the car, remove the upper rubber bung fitted in Step 10 and fit the curved Pro Hoses silicone pipe supplied in the kit and secure with a jubilee clip provided.

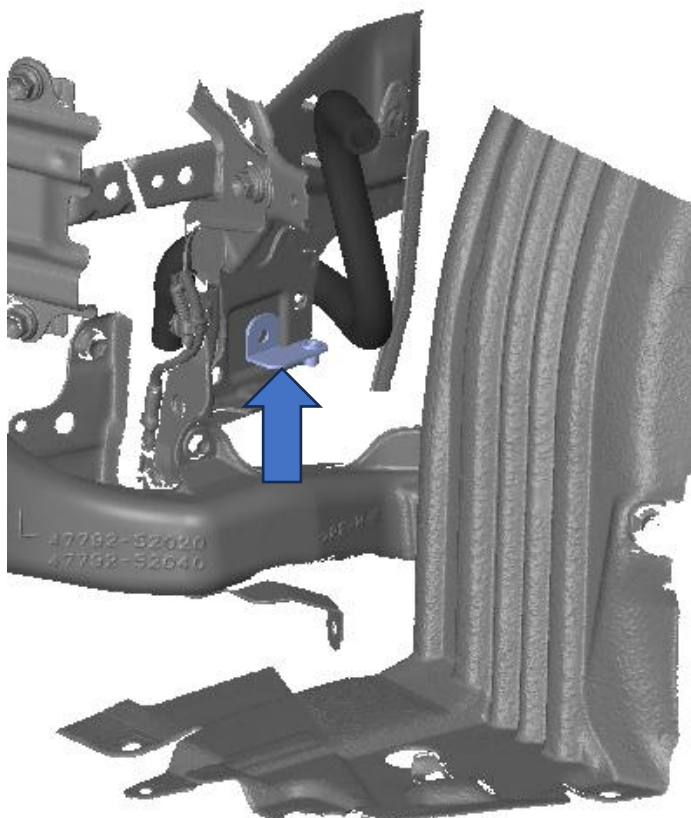




14. The other end of the hose needs to be routed under the chassis rail and in front of the wheel arch (blue arrows) past the small hose bracket.



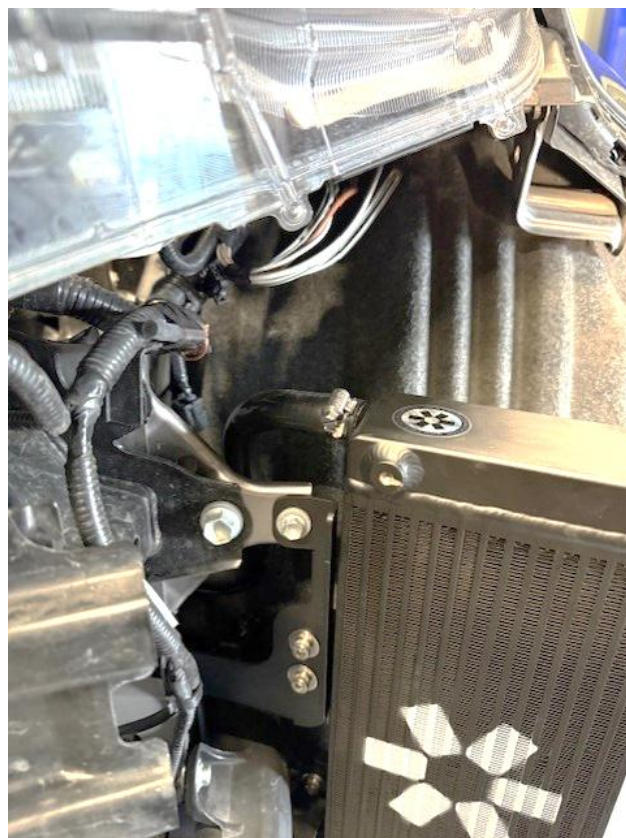
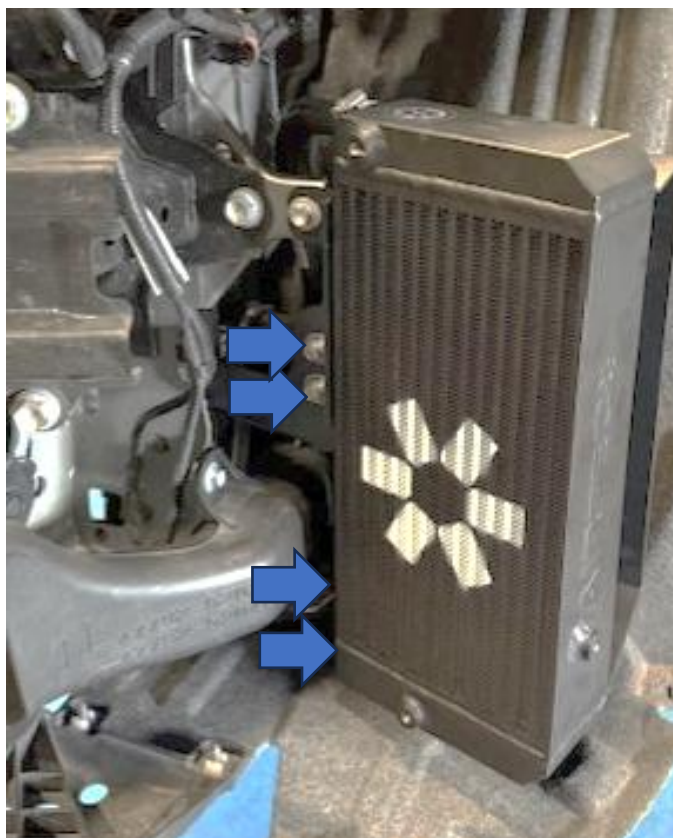
15. Secure the hose with the P-Clip provided bolted to the hose bracket using the small M6 bolt and washer supplied (blue arrows).



16. Using the AIRTEC Motorsport oil cooler supplied, build the assembly as shown below. Secure the rear scoop to the back of the cooler using the M5 bolts provided (blue arrows) and push the silicone hose supplied over the bottom take off but **make sure the bend in the hose is going towards the front of the cooler**, as shown. Then secure in place with a jubilee clip provided.

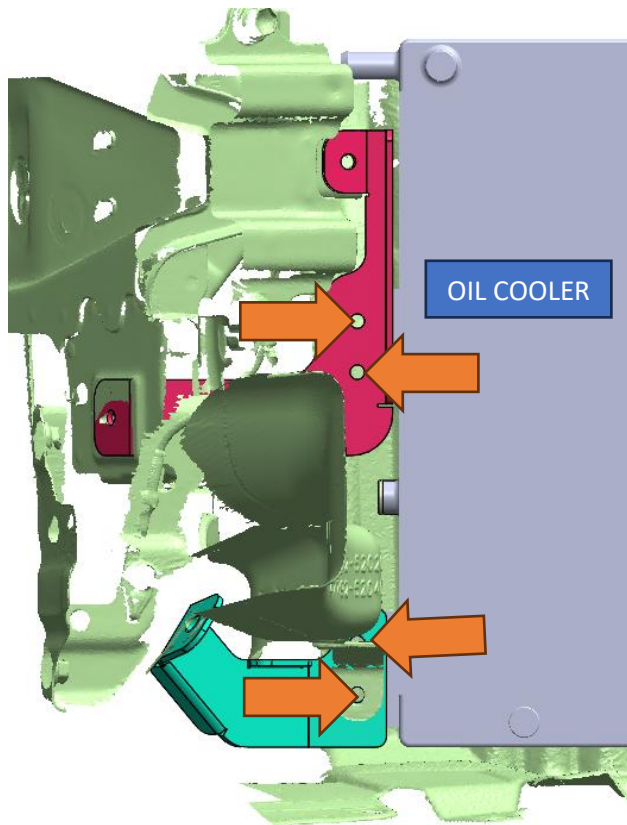


17. Now secure the brackets to the oil cooler using the four M6 bolts and washers supplied, making sure to bolt through the bracket duct. You should be able to connect the top hose in place using a jubilee clip provided.

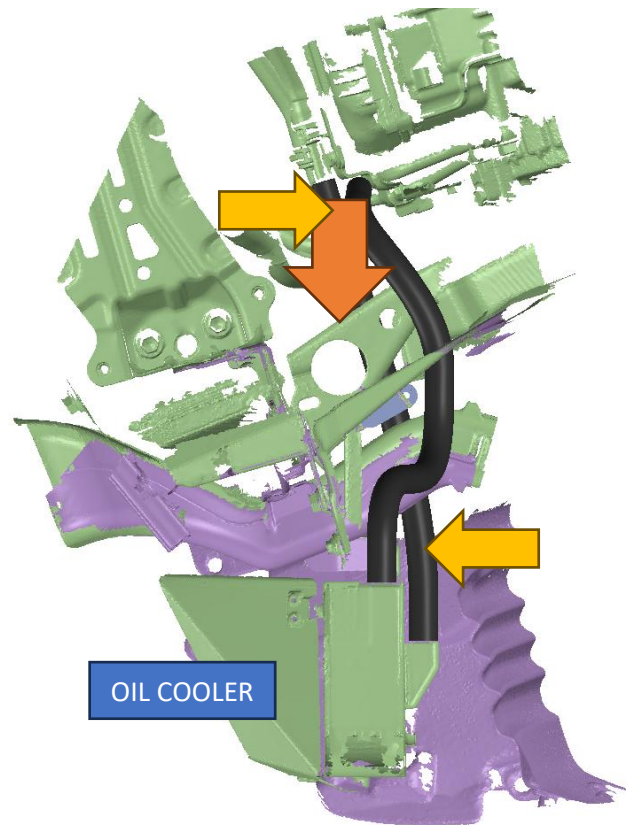




18. Then push the top part of the top hose over the top take-off on the oil cooler (orange arrow).



**FRONT VIEW**

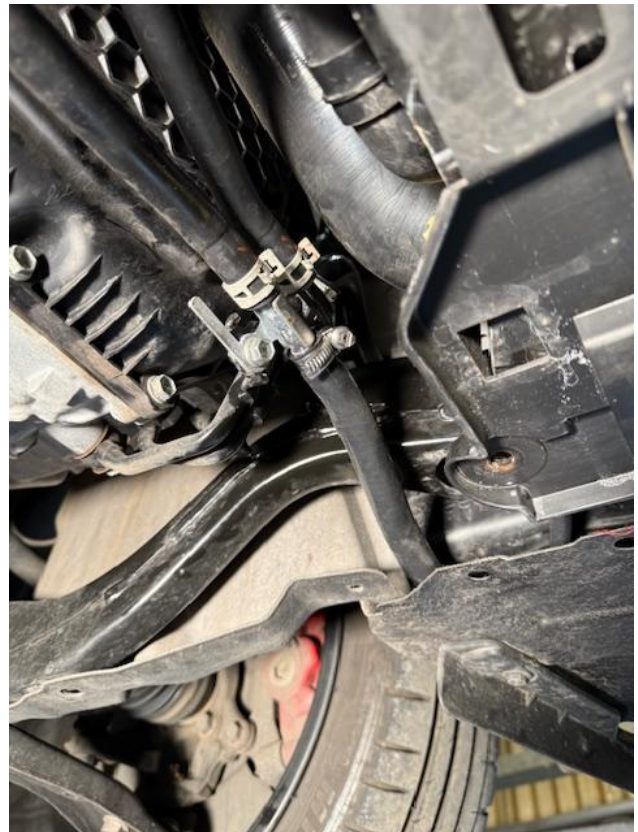


**TOP VIEW**

19. Now attach the front scoop to the oil cooler using the M5 bolts and washers supplied in the kit.

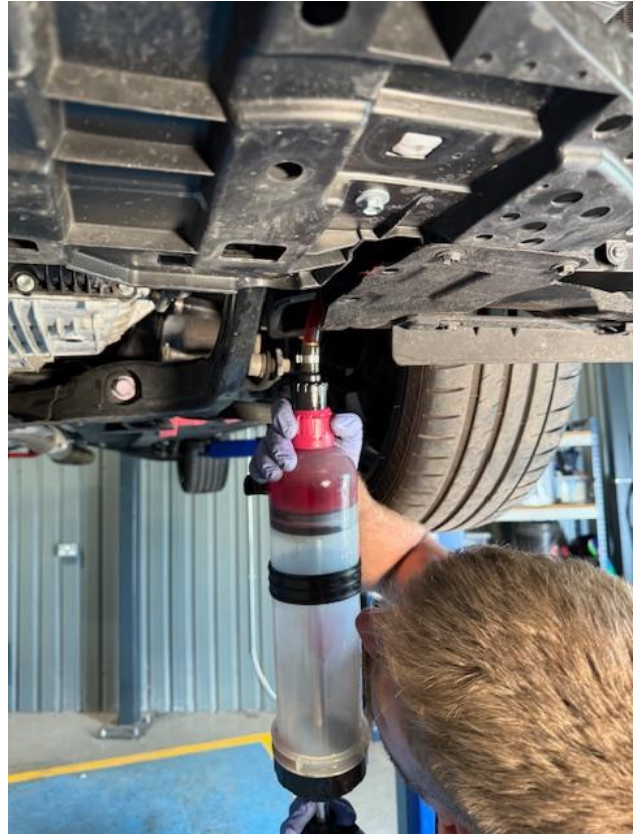


20. Attach the other end of the hose to the other gearbox hard pipe and secure with the jubilee clip supplied.





21. Locate the large fill bolt on the side of the gearbox and fill with your preferred gearbox oil. Undo the small level indicator bolt, fill until you see fluid slowly drip out and then reinstall the bolts. Start the car to ensure oil has passed around the oil cooler, turn the car off and redo the filling process.



22. Remove the original grille behind the bumper and swap with the new AIRTEC Motorsport grille.



23. Finally, you can then reinstall the bumper in reverse of removal.

