

Suzuki Swift Sport MHEV ZC33S

Oil Cooler Fitting Instructions

Tools Required:

- Ratchet and Socket Set
- Cross-Headed Screwdriver
- Trim Removal Tool or Flat-Bladed Screwdriver
- AN Hose Fitting Spanner or Adjustable Spanner
- Drill and Drill Bits including a 38mm Hole Saw
- Oil Filter Removal Tool
- New Oil Filter
- 500ml of Correct Grade Oil

Kit Contents:

- 1x AIRTEC Motorsport Oil Cooler
- 2x AN10 Oil Lines
- 1x Upper Mounting Bracket
- 1x Left Mounting Bracket
- 1x Right Mounting Bracket
- 1x Exhaust Support Bracket
- 1x Thermostatic Oil Sandwich Plate with Fittings

FITTING KIT:

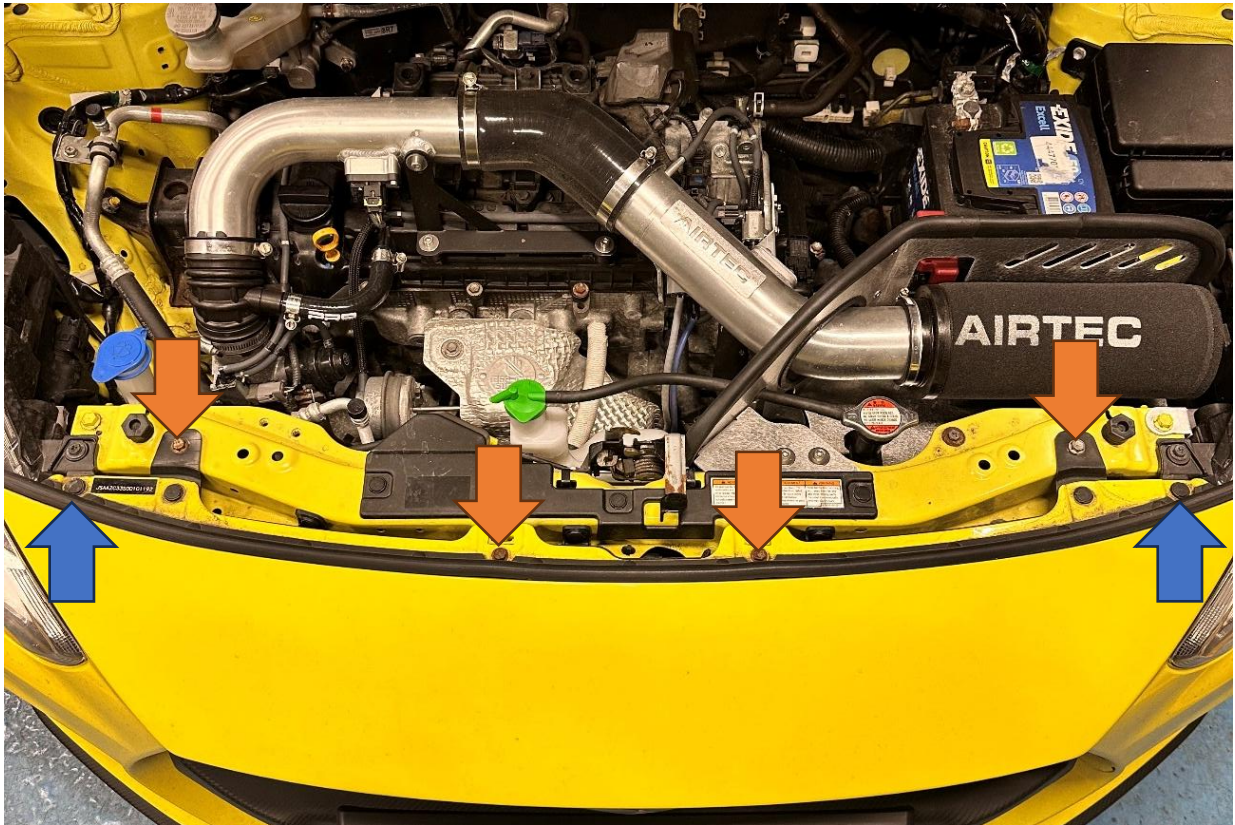
- 2x M6x25mm Socket Head bolts
- 2x M6x12mm Socket Head bolts
- 6x M6x12mm Hex Head bolts
- 12x M6 Washers
- 6x M6 Nyloc Nuts
- 4x Large Washers
- 2x AN10 Oil Line Separators
- 2x Cable Ties



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

Instructions

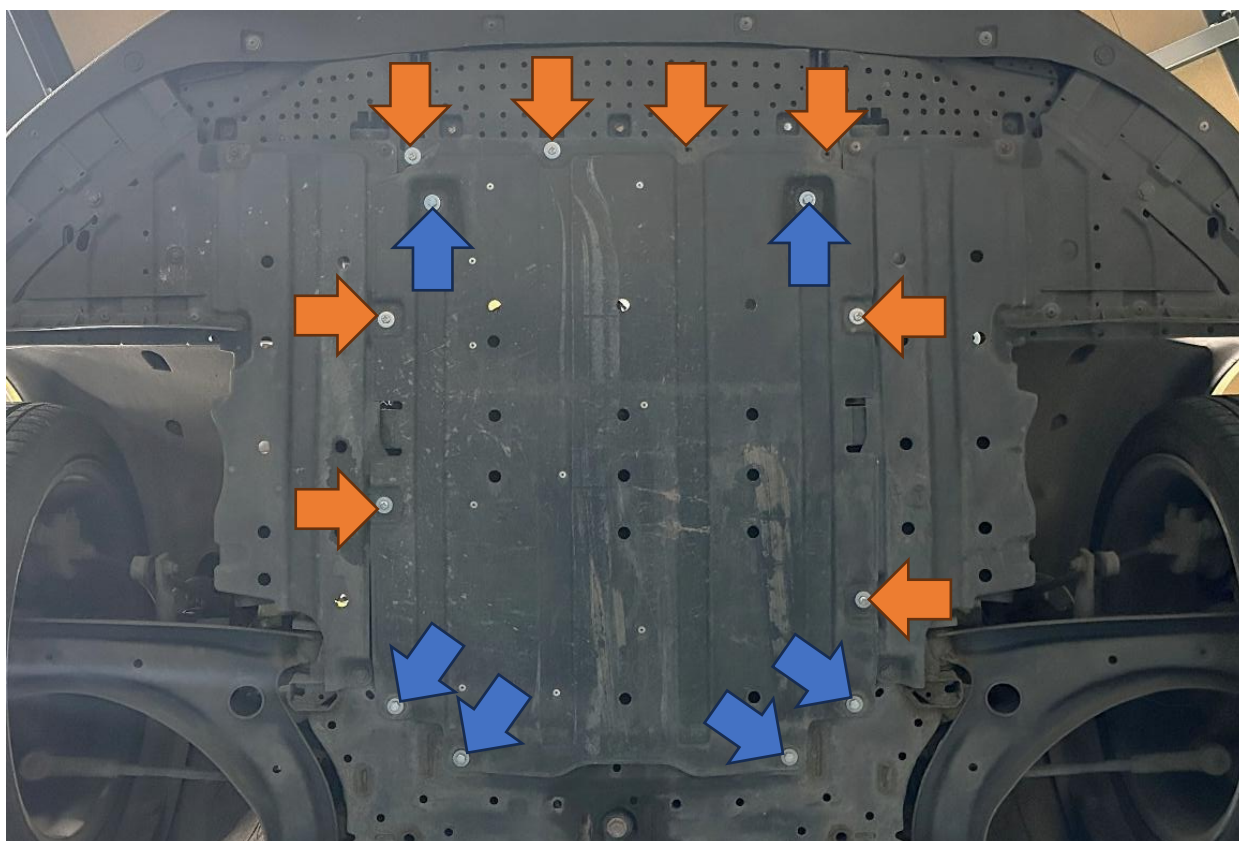
1. To start removing the bumper, undo the four 10mm bolts (orange arrows) along the top of the bumper along with two plastic trim clips (blue arrows).



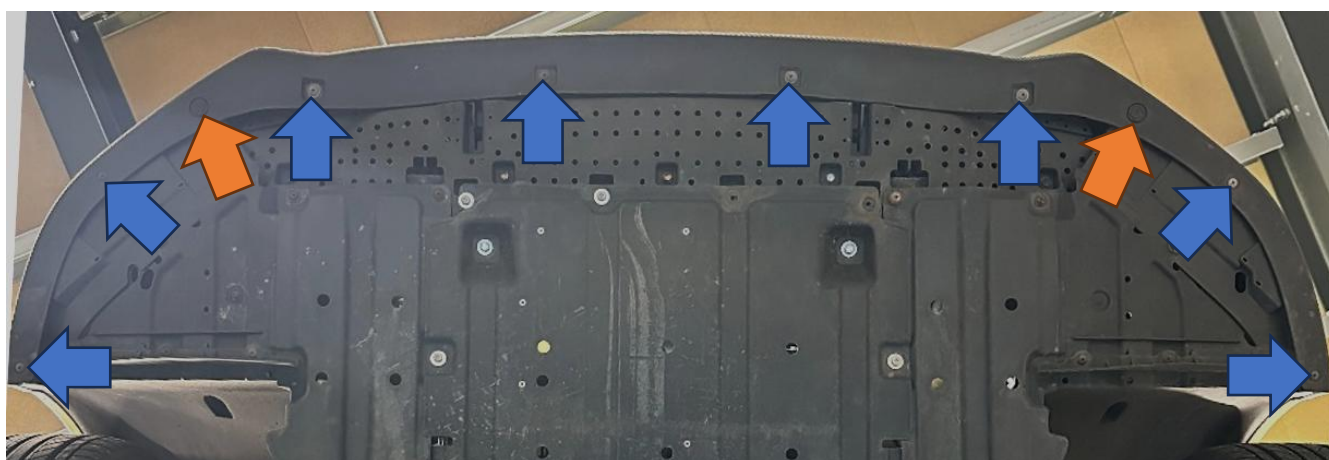
2. Inside each wheel arch liner, remove the cross headed screw attaching the bumper to the wing.



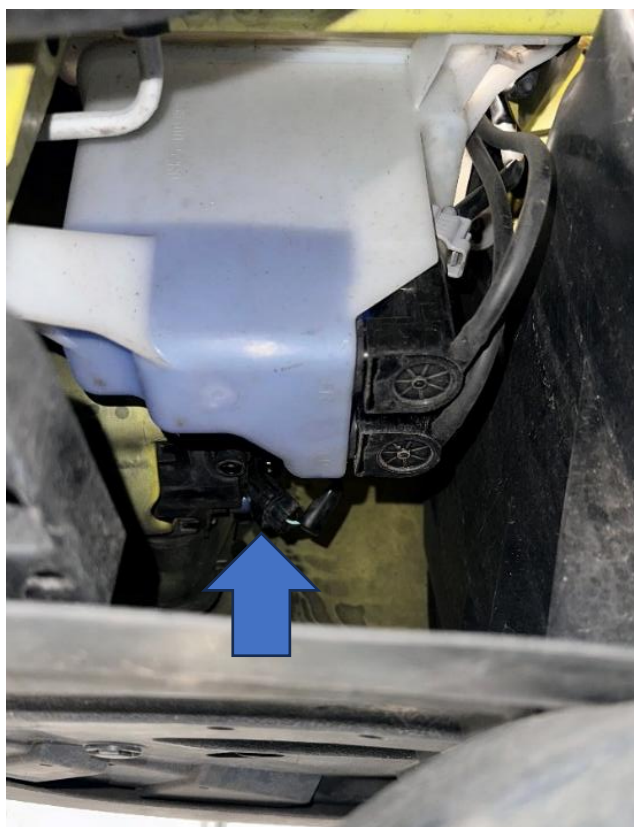
3. Working under the car remove the undertray by undoing the 10mm bolts (blue arrows) and cross headed screws (orange arrows) and then put it aside.



4. Remove the eight cross-headed screws (blue arrows) holding the bottom of the bumper to the car along with two plastic push fits (orange arrows).



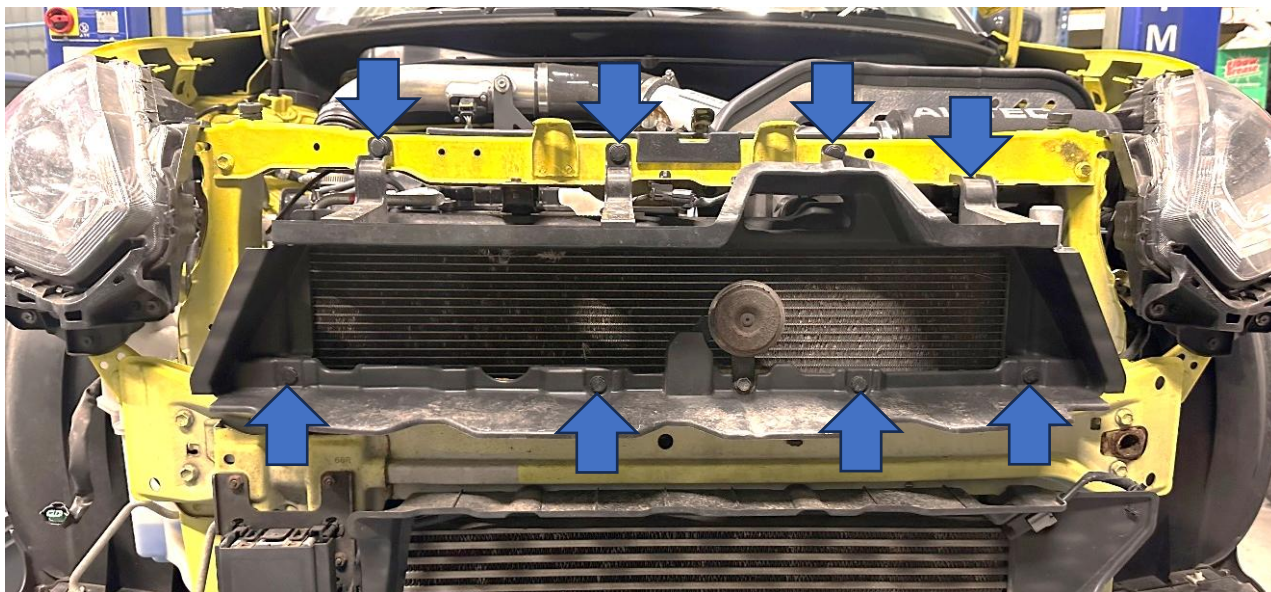
5. Whilst under the car it is possible to unplug the fog lights on each side by squeezing the clip and pulling it to release.



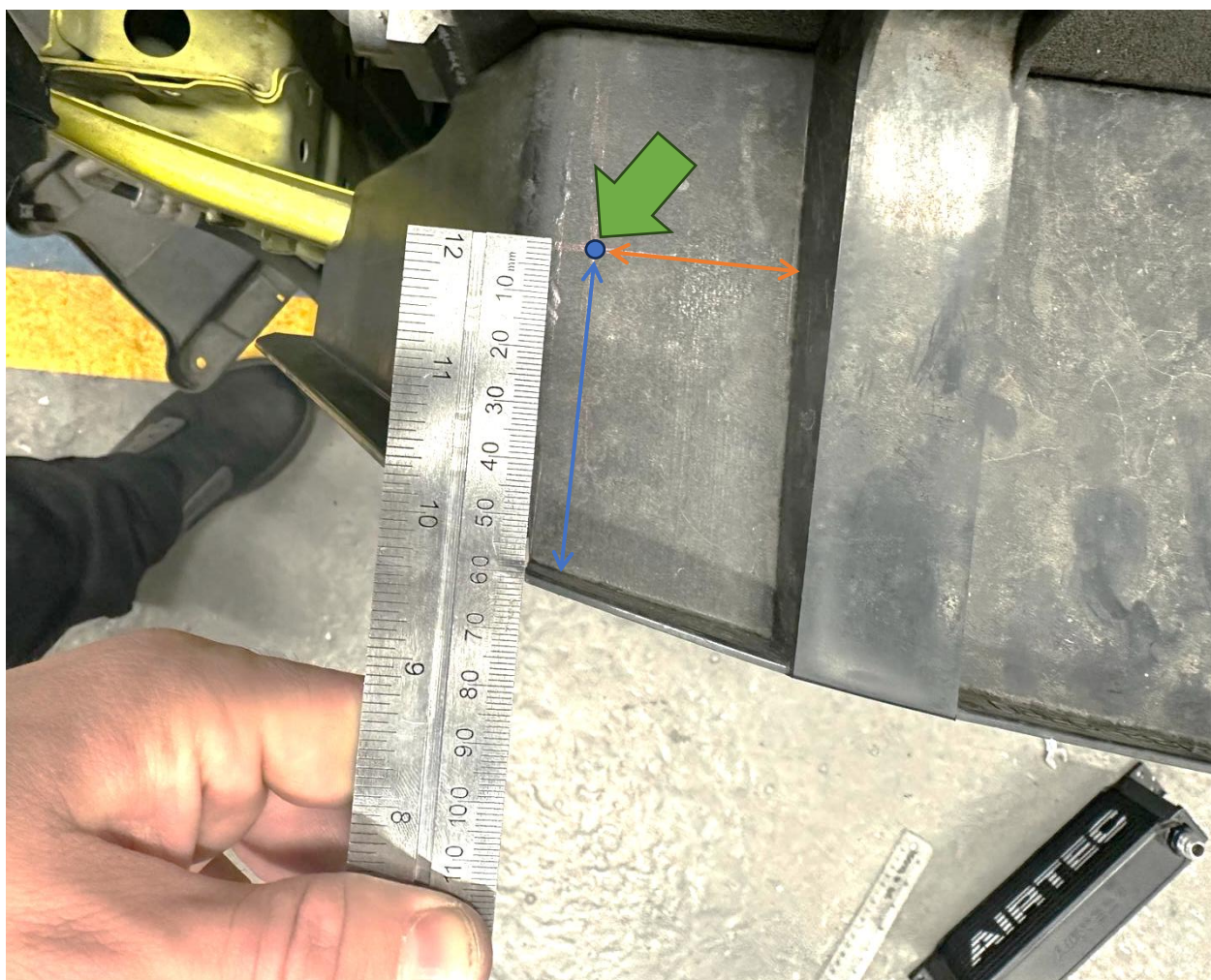
6. Using a second person to help, release the bumper by firmly but carefully pulling the corners before lifting the centre and pulling it away from the car. You can then place it safely aside.



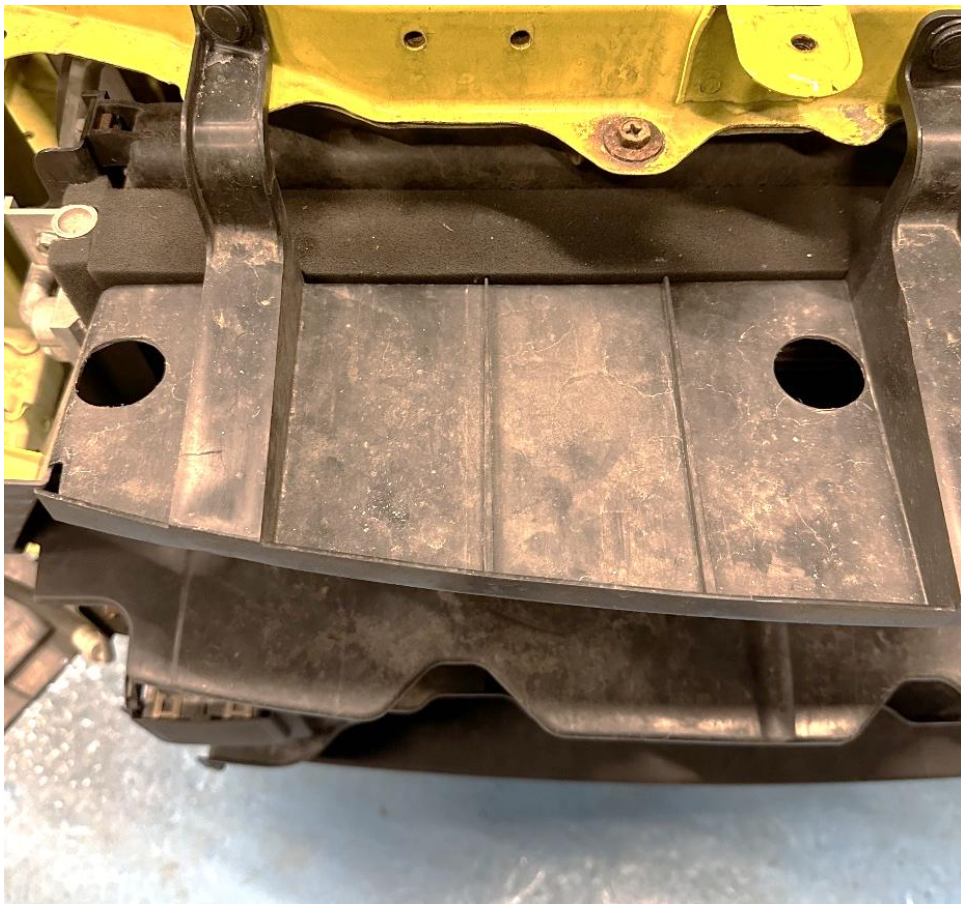
7. Remove the front plastic air surround by removing the eight plastic trim clips.



8. You now need to drill two holes in the surround. Start with the left-hand hole by using a ruler to mark 60mm (blue arrow) in from the front of the surround and 38mm (orange arrow) from the rib, as shown. Once happy the measurement is accurate, make a pilot hole using a suitable size drill bit.



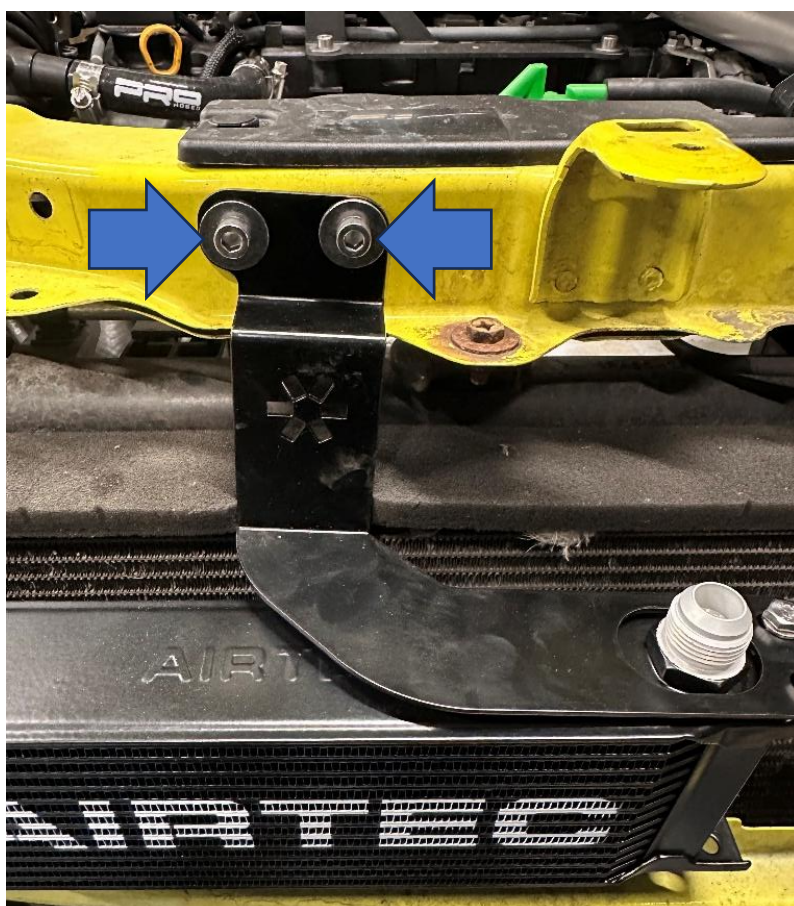
9. For the second hole, flip the plastic surround over and then measure along the straight edge 250mm and make another pilot hole. Then enlarge both holes using a 38mm hole saw.



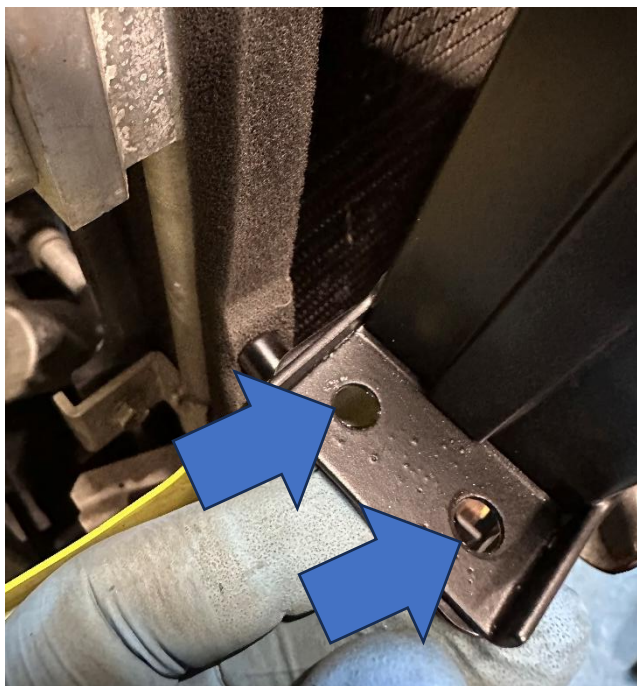
10. Install the top bracket onto the oil cooler as shown using the supplied M6 Hex Head bolts with washers and Nyloc nuts underneath, but do not tighten the bolts at this stage.



11. Locate the oil cooler onto the car by placing the top bracket onto the two threaded holes as shown. You can then install it using the supplied M6x25mm Socket Head bolts with large washers, but do not fully tighten yet.



12. Install the lower left- and right-hand brackets onto the oil cooler using the four supplied M6 Hex bolts, with washers and Nyloc Nuts.



13. Now reinstall the plastic surround. Once in place, install the original plastic push fits except for the two holes where the lower oil cooler brackets are now located. For these, use the two supplied M6 Socket Head bolts with large washers to bolt through to the bracket, but do not fully tighten yet.



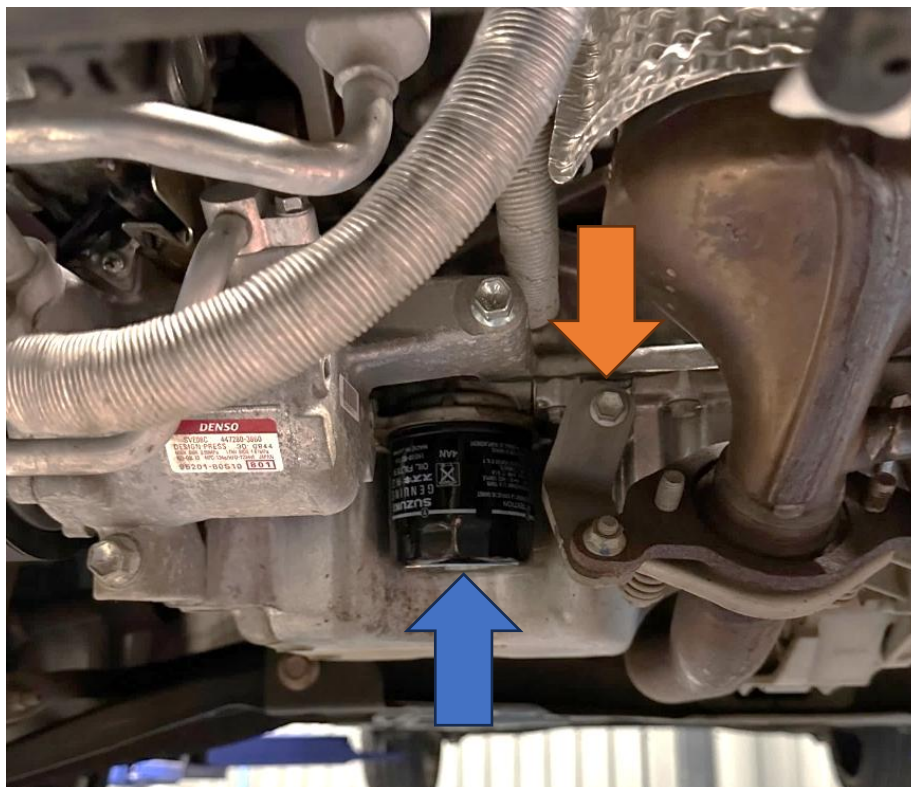
14. Position the oil cooler in place and then fully tighten the mounting bracket bolts left loose from Steps 10, 11 and 13.



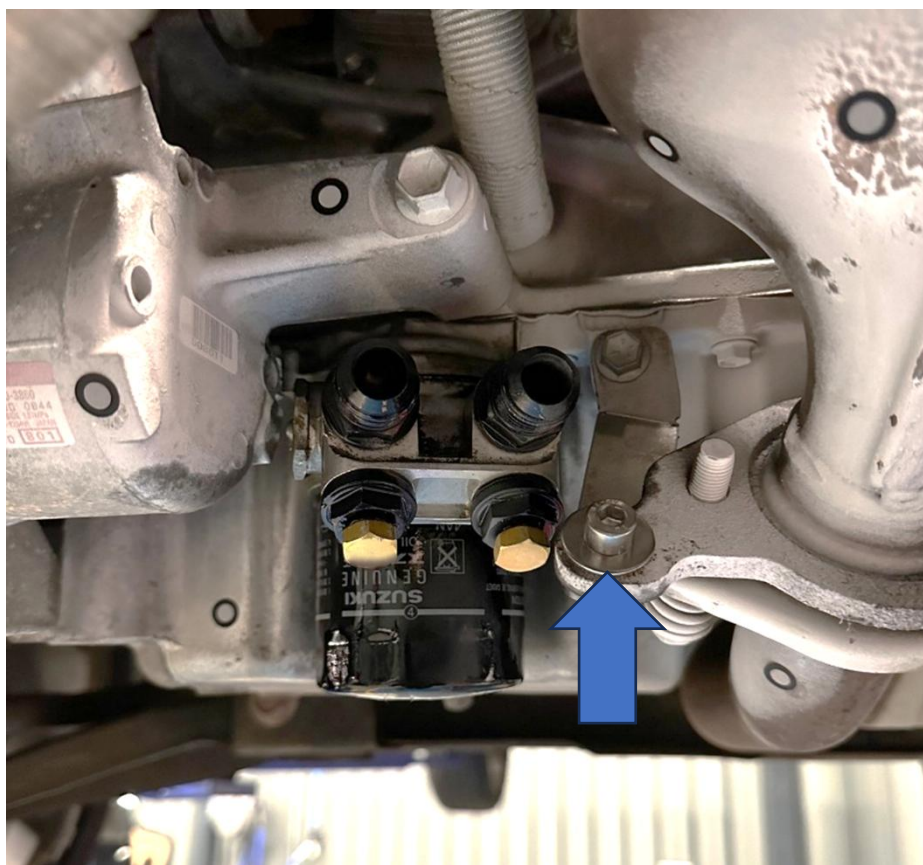
15. Now install the oil lines onto the oil cooler. The longer line with the 90-degree fitting goes onto the right-hand side and the shorter line onto the left-hand side. The lines route down next to the radiator, towards the engine.



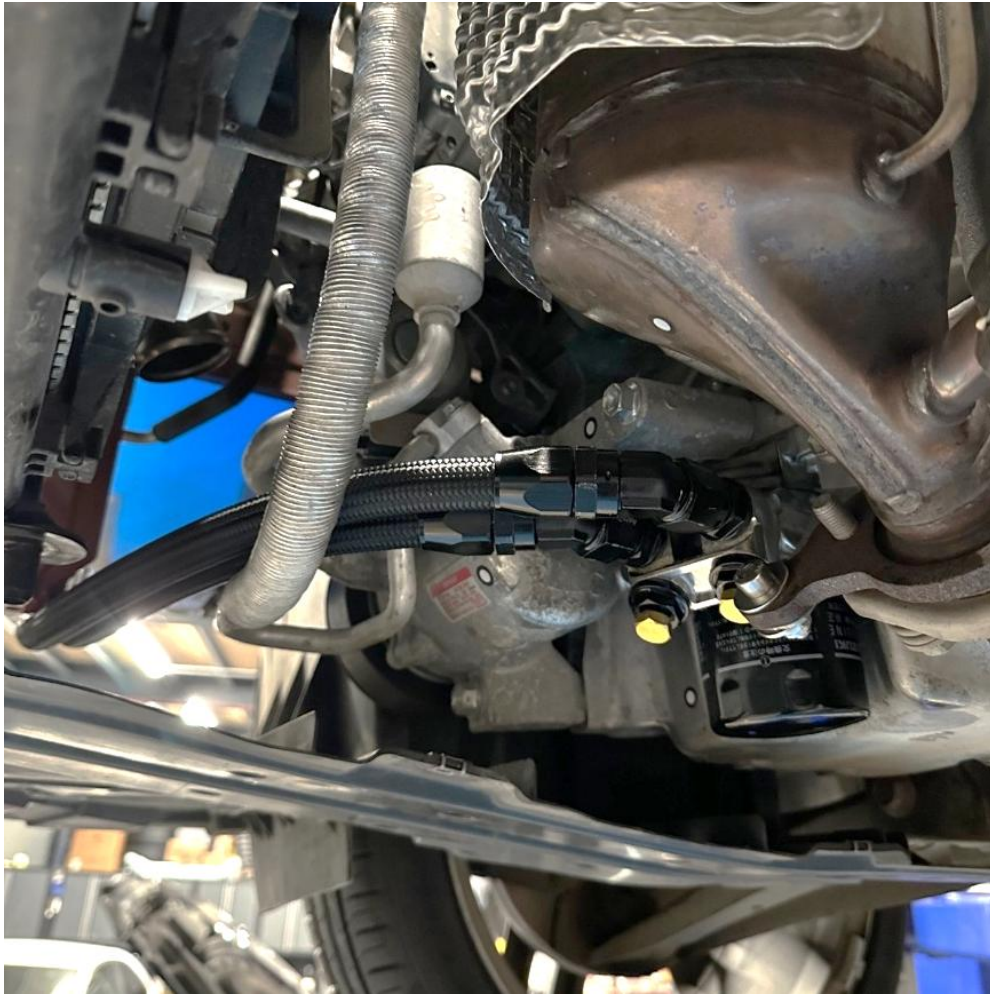
16. Under the car, locate and remove the oil filter (blue arrow). Use a suitable container to catch and discard any excess oil. Then undo and remove the exhaust support bracket (orange arrow).



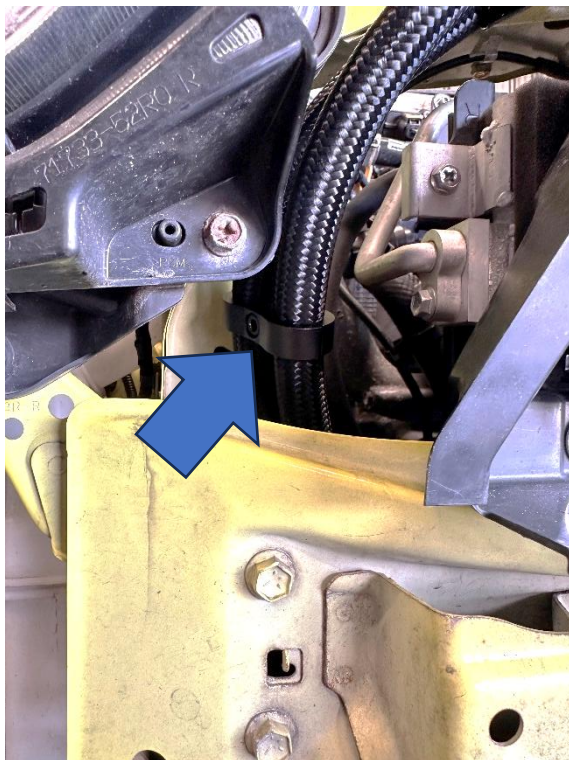
17. Install the supplied AIRTEC Motorsport exhaust support bracket. Once tight, install the sandwich plate adaptor onto the car and fully tighten the fitting so the take-offs are positioned as shown.



18. Install the oil lines onto the sandwich plate starting with the shorter line going to the left-hand fitting and the longer onto the right-hand side. You can then fit your oil filter.



19. Fit the supplied oil line separators as shown to position the lines away from harm's way.



20. In addition to the hose joiners, secure the oil lines to the air-con line with the supplied cable ties.



21. Finally, ensure all fittings are tight and then proceed to add 500ml of the correct grade oil to the car. Once added, start the car and check the fittings for any leaks and tighten as necessary. Stop the engine and once cool, check the oil level and top up as necessary. You can then refit the undertray and bumper in reverse of removal.

