

BMW E9x M3 Oil Cooler Fitting Guide

Tools Required:

- Ratchet and Socket Set
- Torx Sockets
- Container to Catch Spilt Oil
- 500ml of Correct Grade Oil

Kit Contents:

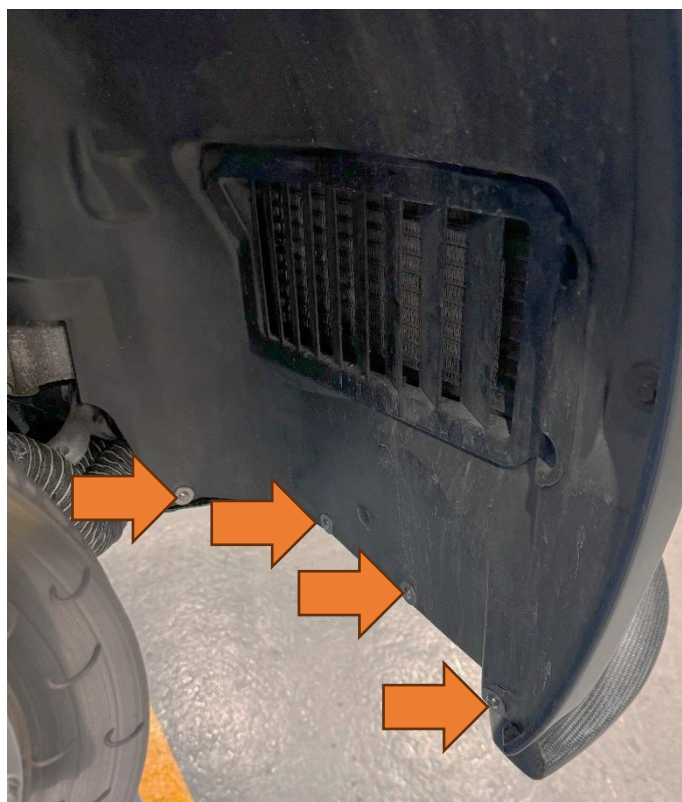
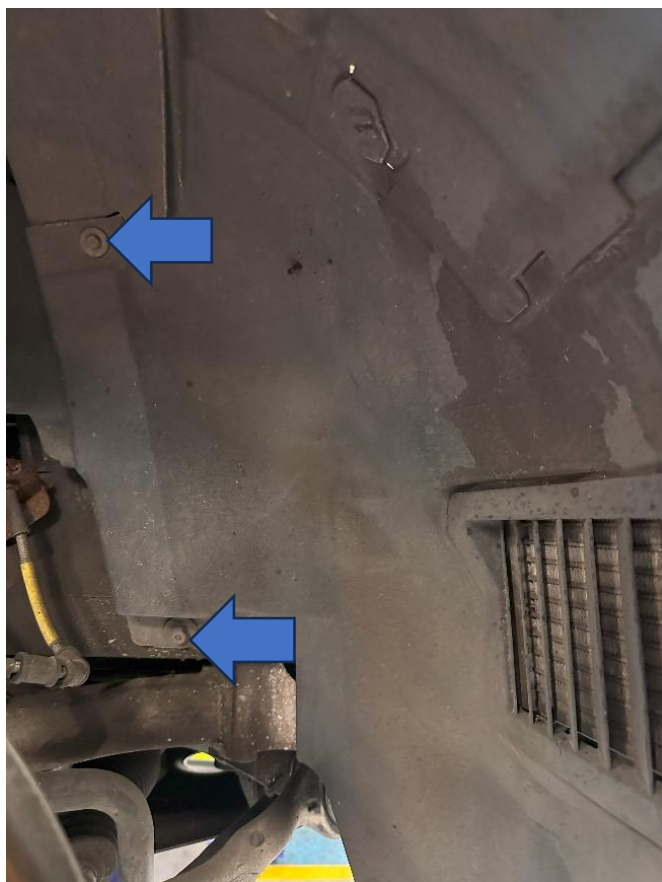
- 1x AIRTEC Motorsport Oil Cooler
- Fitting Kit:
 - 2x M8x12mm Socket Head Flange Bolts
 - 2x Replacement O-Rings
 - 2x 16mm Silicone Bungs
 - 2x 20mm Silicone Bungs



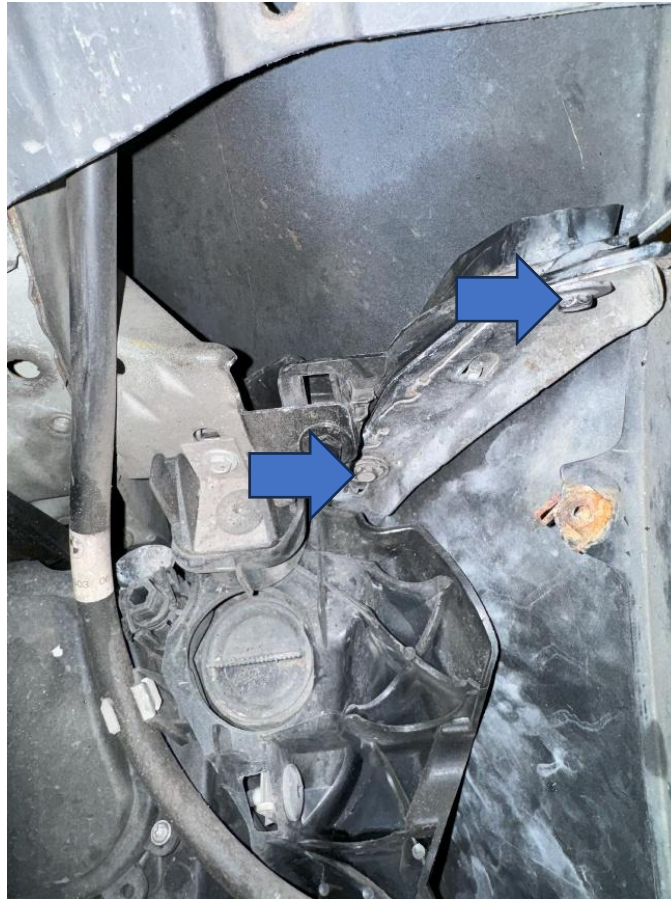
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR
WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions

1. Raise the car into the air and remove the front wheels. Then proceed to remove the front half of the arch liner on both sides. The front right-hand side is held in with seven 8mm bolts and one 10mm plastic nut and the left-hand side with six bolts and three 10mm plastic nuts. **Please note:** this car is fitted with the AIRTEC Motorsport undertray, which requires the removal of the four Allen Key bolts each side (orange arrows).



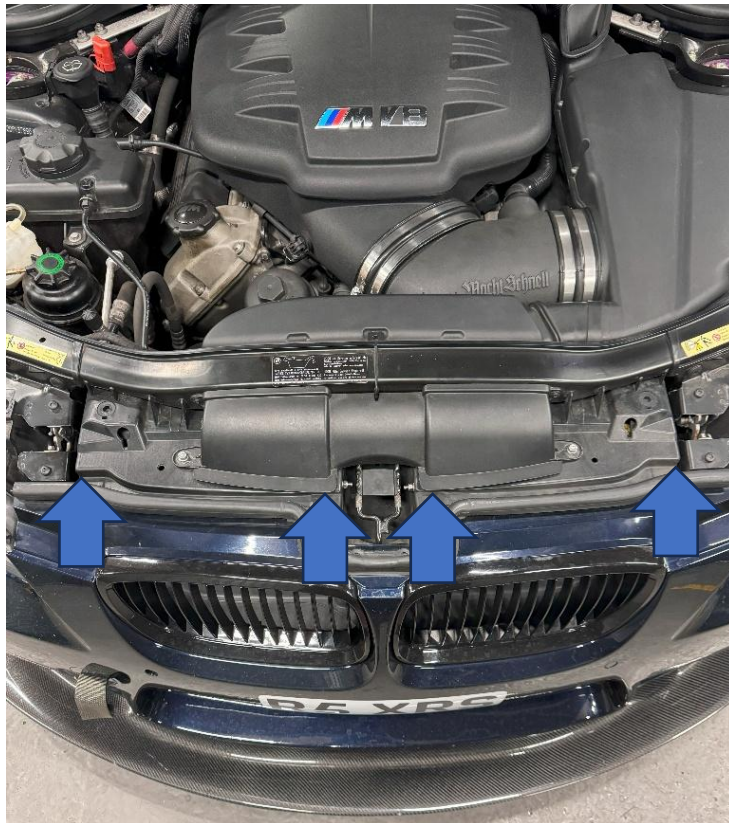
2. With the arch liners removed you will be able to access the two 8mm bolts on each side attaching the front bumper to the wing.



3. Under the car, undo the three Allen Key bolts attaching the undertray to the metal skid plate.



4. Working in the engine bay, remove the four T30 Torx bolts holding the top of the bumper in place.



5. With the help of a second person, pull the edge of the bumper away until it releases. If your car is fitted with front parking sensors, then unclip the connectors before removing the bumper.



6. Locate the oil cooler and undo the nuts holding the oil lines onto the cooler. **Please note:** be prepared to catch any spilt oil with a suitable container and then use the supplied silicone bungs in the kit to cap both the oil lines **and** the oil cooler to reduce the amount of oil lost.



7. Remove the two T45 Torx bolts on the left-hand side and one T45 bolt on the right-hand side holding the cooler in place. You can then slide it to the right-hand side and lower the left-hand side down to remove.



8. Remove the three rubber bushings and inserts from the original oil cooler and install them onto your new AIRTEC Motorsport oil cooler.



9. **IMPORTANT:** If you have a **2007 or early 2008** model please measure your oil line connectors before fitting. If they measure above 13mm long, they will need to be cut down to 13mm **OR** you can replace the lines with later oil lines, which already measure 13mm from BMW. The part numbers for the later lines are as follows:

Oil line 1: 17222284077

Oil Line 2: 17222284078

O-Rings: 2x 17222284079



If this distance is more than 13mm it will need to be cut down OR the lines replaced.

10. Remove all four rubber bungs fitted in Step 6 and install the new oil cooler onto the car reusing the original T45 Torx bolts and attach the oil lines using the new supplied O-ring with the supplied two M8 bolts.



11. Finally, top up the car with 500ml of the manufacturer's recommended grade of oil and allow the vehicle to run up to temperature and check for any leaks, tightening any fittings as necessary.

Once cool, check the oil level and top up as required. When happy with the installation you can then refit the bumper, arch liners and undertray in reverse of removal.

