

BMW E9x M3 DCT Cooler

Fitting Instructions

Tools Required:

- Ratchet and Socket Set
- Allen Key Set
- Torx Socket Set
- Small Funnel
- 1-litre of Correct Grade Transmission Oil

Kit Contents:

- 1x AIRTEC Motorsport DCT Cooler
- 1x AIRTEC Motorsport Mesh Grille
- 1x Carbon Fibre Shroud

Fitting Kit:

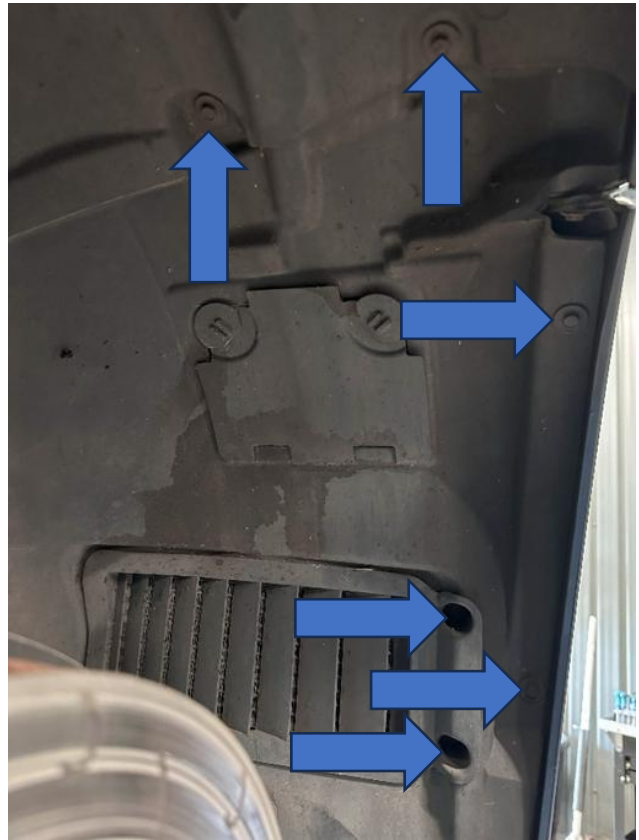
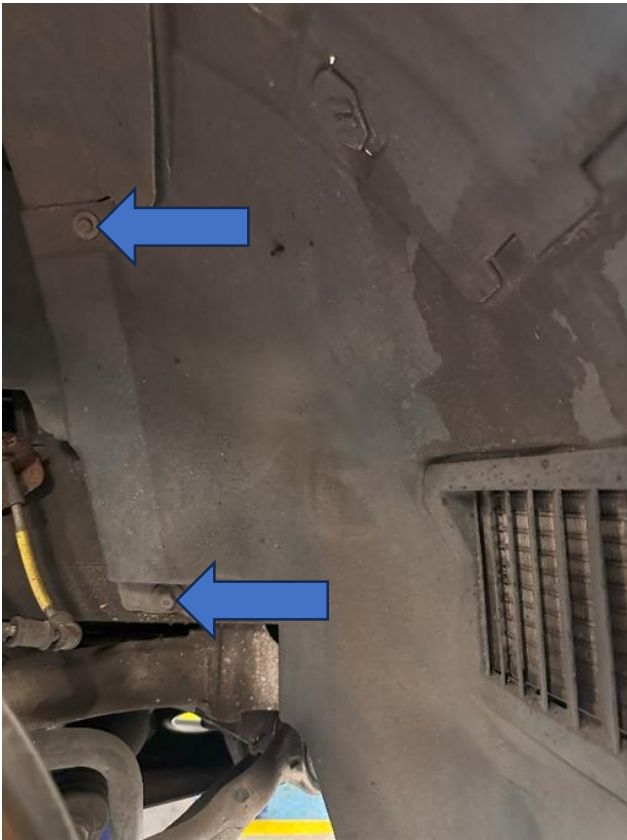
- 2x M6x16mm Socket Head Bolts
- 2x M6x12mm Button Head Bolts
- 2x M6x24mm Washers
- 2x M6 Small Washers
- 2x M5x20mm Washers
- 8x M5x12mm Button Head Bolts
- 12x M5 Pan Washers
- 6x M5 Nyloc Nuts
- 2x M5x16mm Button Head Bolts



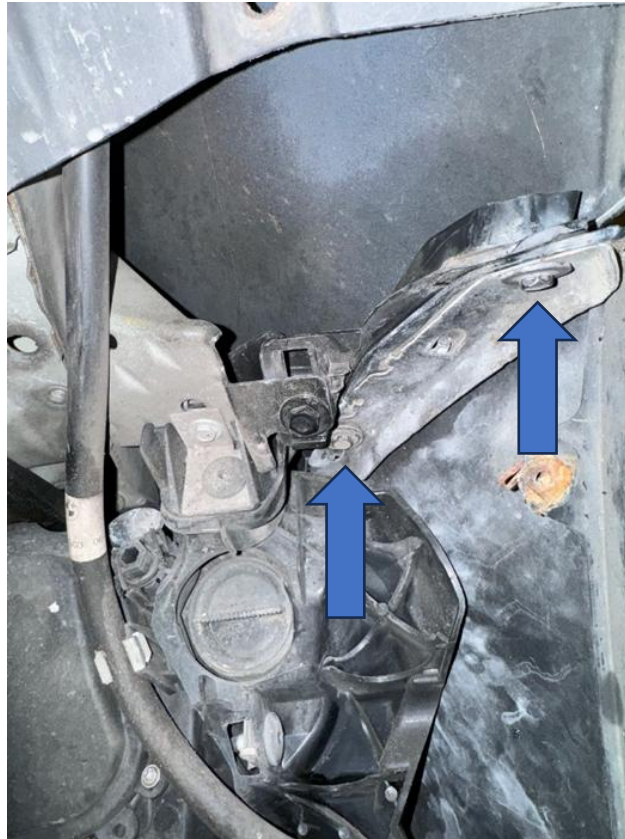
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR
WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions:

1. Raise the car into the air and remove the front wheels. Then proceed to remove the front half of the arch liners 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.



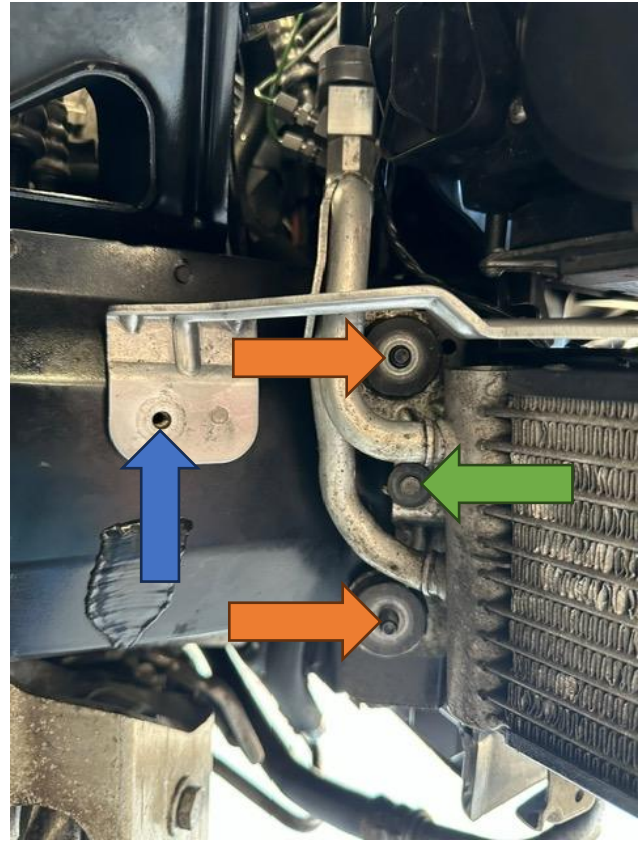
4. Working in the engine bay, remove the four T30 Torx bolts holding the top of the bumper in place.



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.



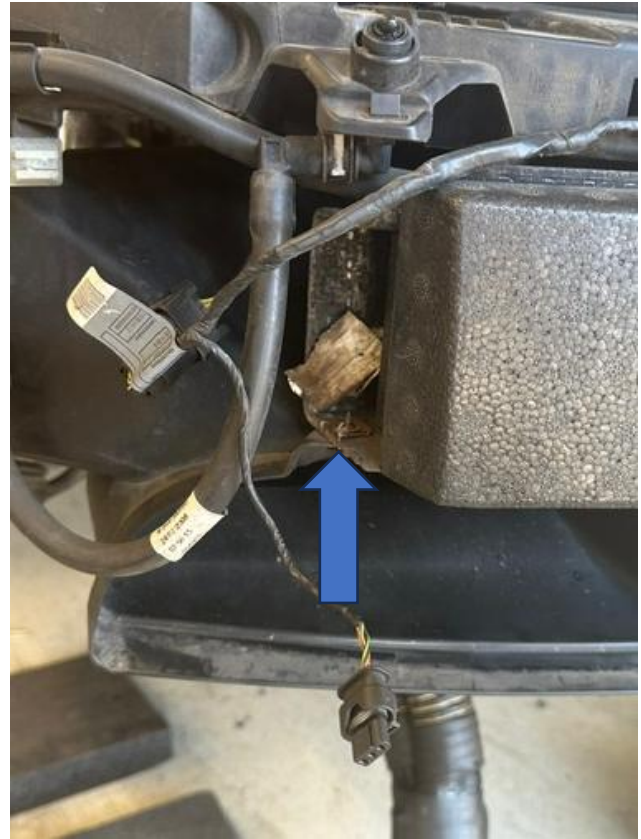
6. Remove the DCT cooler assembly by undoing the 10mm bolt securing the top bracket (blue arrow). Then move to the two nuts (orange arrows) and finally a small 8mm screw holding the scoop (green arrow).



7. Under the bonnet, remove the 13mm bolt holding the oil line connection block together and remove the DCT cooler assembly from the car.



8. Now undo the two 8mm bolts securing the original air scoop and remove it.



9. Swap the large rubber bushes and metal inserts from the original cooler to AIRTEC Motorsport cooler.



10. Remove the top bracket with the rubber bushes from the original DCT cooler and transfer them over to the AIRTEC Motorsport DCT cooler. Secure in place with supplied M5x16mm Button Head bolts.



11. Now take the AIRTEC Motorsport carbon fibre scoop and secure in place reusing the original bolts.



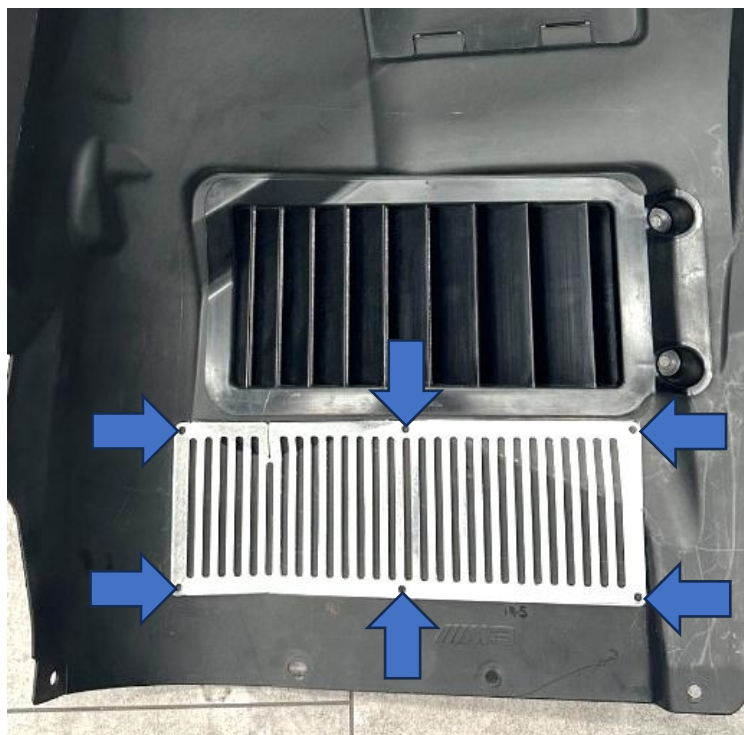
12. Before fitting you need to prefill the DCT cooler with your preferred transmission oil. It is important to do this process **slowly** to allow air to escape. Fill until oil is seen in both the inlet and outlet.



13. Mount the cooler in the same way the original was removed but in reverse. Be sure to reattach the oil lines and secure the scoop to the side of the cooler using the **M5 bolts and washers provided (blue arrows)**.



14. Take the right-wheel arch and place the AIRTEC Motorsport mesh grille below the original vent as shown. Mark around the edge using a pen and then carefully mark the six mounting holes on the arch liner and then remove the grille and use a drill with a 5mm bit to make the holes. Then chain offset 10mm (blue) and draw the rectangle shape, use a sharp knife and remove this area.



15. Finally, start the car and it up to temperature whilst looking for any leaks at the hose connection. Once happy, refit the bumper, under tray and arch liners in reverse of removal.

