

Ford Focus Mk4 ST Oil Cooler Fitting Instructions

Tools needed:

- Ratchet and Socket Set
- 4mm Allen Key
- 4.5mm Allen Key
- 5mm Allen Key
- T27 Torx
- Trim Tool
- 10mm spanner
- 13mm Spanner
- Adjustable Spanner

Kit Includes:

- 1x AIRTEC Motorsport Oil Cooler
- 2x Oil lines
- 2x Oil line Separators
- 1x Oil Modem
- 1x Small Bracket
- 1x Oil Cooler Bracket
- 1x Air Feed
- 4x M6x12mm Button Head bolts
- 2x M6x16mm Button Head bolts
- 1x M6x16mm Socket Head bolt
- 12x M6 Pan Washers
- 1x M6 Mudguard Washer
- 6x M6 Nyloc Nuts

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



Instructions:

1. Start by removing the 17 T27 bolts located around the outside of the undertray. Then remove the five 10mm bolts from underneath the front bumper and six trim clips, which will release the underneath of the bumper.



2. Now you can remove two T27 bolts from either side of the wheel arch liners.



3. Remove six 10mm bolts along the top of the bumper, plus the two trim clips and two T27 Torx bolts.



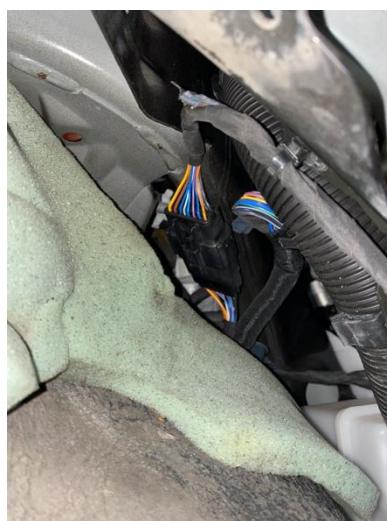
4. You will now need to remove three trim clips from the arch liner and then one inside the wing securing the bumper to the bracket. You will need to do this both sides.



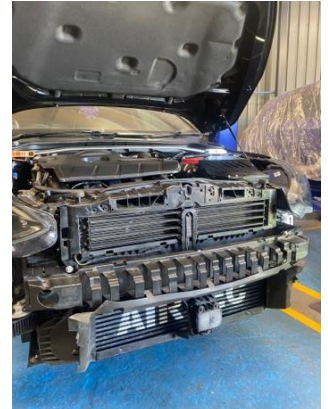
5. Release the bumper from the wing brackets by firmly but carefully pulling from the car.



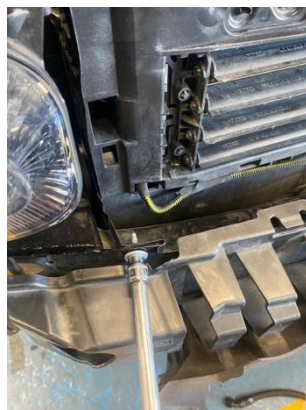
6. Now unclip the wiring harness from inside the driver's side arch liner and unclip two harness clips.



7. You will now be able to remove the front bumper and place it in a safely out of the way. Then remove the four plastic clips securing the air guide in place.



8. Remove the two 10mm bolts from the top of the crash bar. Now you can install the AIRTEC air guide in place by reusing two plastic trim clips and reusing the left-hand 10mm bolt.



9. The bottom bracket can now be installed onto the oil cooler using the two supplied M6x12mm Button Head bolts with M6 Pan Washers and M6 Nyloc nuts as shown.



10. Now place the oil cooler on the crash bar and line up the lower bracket with the right-hand side bolt hole from Step 8 and refit the same 10mm bolt.



11. Now you can secure the oil cooler to the air guide by using two M6x16mm Button Head bolts with M6 Pan Washers and M6 Nyloc Nuts. Then use the remaining fixings to secure the other end of the oil cooler and then fit the supplied M6x16mm Socket Head bolt with M6 Mudguard Washer to secure the top bracket to the car.



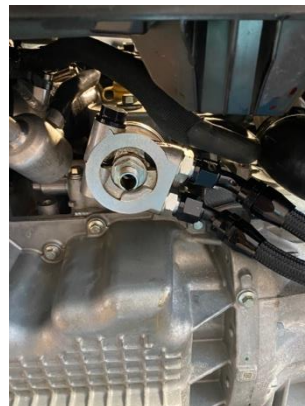
12. Reuse two of the plastic trim clips removed in Step 7 and install them into the bracket using their original locations.



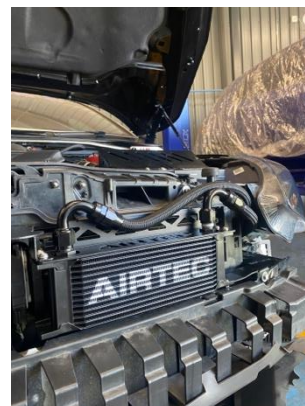
13. Under the car, remove the bracket from the gearbox by using a 10mm spanner to remove the nut securing the bracket, then use a 13mm spanner to remove the stud which is secured into the gearbox. The cable tie securing the coolant hose to the bracket will also need to be cut and removed.



14. The oil filter will now need to be removed from the car, make sure that you have something in place to catch the excess oil. Then the oil modem can be secured in place using a 27mm socket making sure the oil line fixings are facing towards the side that the oil cooler is mounted. Now you can reinstall the oil filter onto the oil modem.



15. The oil lines can now be secured loosely by hand onto the oil modem and oil cooler, the shorter oil line will need to be mounted on the right side of the oil cooler. Make sure that they don't twist and have a smooth flow from the mounting points.



16. Install the line separators onto the lines as shown. The first is mounted before the headlight and the second by the bolt hole in the gearbox. Once happy that everything has been fitted correctly fully secure the oil lines by using an adjustable spanner.



17. Finally, top up with 0.5 litres of oil and check the level and that all of the fittings are dry. Once the car is run up to full temperature, check the oil level again and top up as required.



