

Ford Fiesta Mk8 Oil Cooler Fitting Instructions

Tools needed:

- Ratchet and socket set
- 1-inch Socket (to fit oil sandwich plate)
- Hose Driver
- T20 Torx
- T30 Torx
- Trim Tool
- Flat-Bladed Screwdriver
- Oil Filter Removal Tool
- Adjustable Spanner
- 0.5 litres of correct engine oil

Kit Includes:

- AIRTEC Motorsport Oil Cooler
- Oil Sandwich Plate (including two fittings and centre bolt)
- 3x Oil Cooler Brackets
- Air Feed
- Air Feed Scoop
- Oil Cooler Scoop
- 2x Oil lines
- 2x Oil Line Separators
- 2x 80mm Jubilee Clips
- 13x M6 Nyloc Nuts
- 4x M6 Nuts
- 30x M6 Pan Washers
- 9x M6x16mm Button Heads
- 2x M6x16mm Hex Head bolts
- 2x M6x12mm Button Head bolts

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



Instructions:

1. Remove the front bumper by undoing the six 10mm bolts from the top of the slam panel.



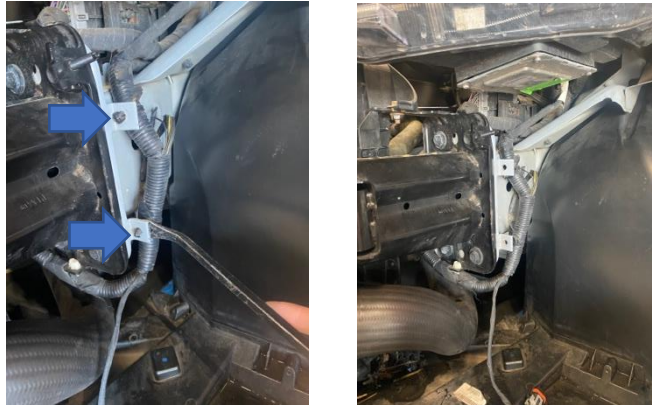
2. Now remove three 10mm bolts from the arch liner along with a fourth at the top of the inside of the arch securing the front bumper to the wing. The front bumper can now be carefully but firmly pulled away from the bumper brackets.



3. Release the six plastic trim clips from underneath the front bumper, then unplug the wiring harness for the fog lights and lift the front bumper off and away from the car with the help of another person.



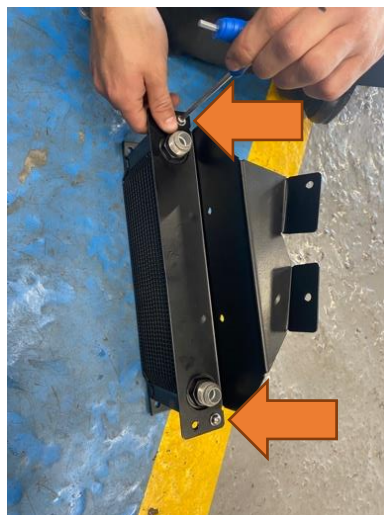
4. Unclip the wiring from the tabs on the side of where the crash bar mounts using a trim tool.



5. Remove the left-hand side arch liner to give more access by undoing two 10mm bolts in the undertray and the seven plastic trim clips inside the liner. There is also one T20 Torx bolt securing the side skirt cover to the arch liner.



6. Install the bracket to the top of the oil cooler with the supplied M6x12mm Button Head bolts with washers and Nyloc nuts. Only install the two bolts on the side closest to the bracket, as shown below.



7. Mount the oil cooler to the car using the two Hex Head bolts (highlighted in blue) with washers and Nyloc nuts. You can also install another M6x16mm Button Head bolt (highlighted in orange) at the top of the oil cooler, as shown.



8. Install the second bracket with the AIRTEC logo onto the oil cooler as shown and secure using the M6x16mm Button Heads bolts, Nyloc nuts and washers. Four are fitted to the end brackets (highlighted in blue) and another two (highlighted in orange) sandwich the two brackets together. Make sure only the one tab (highlighted in blue) is without a bolt, as this will be used to secure another bracket.



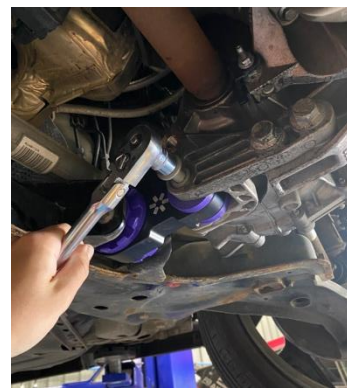
9. Now install the support bracket in place by using two M6x16mm Hex Head bolts with washers and Nyloc nuts.



10. You can now install the oil cooler scoop by sliding it onto the studs and securing it using the supplied M6 nuts with washers but make sure to not over tighten.



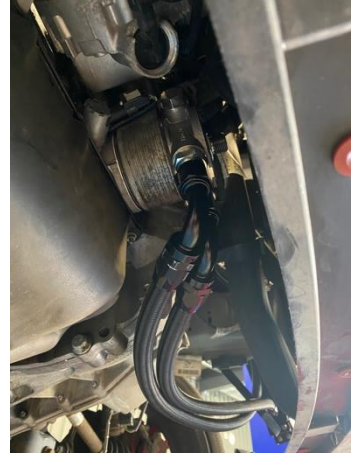
11. Remove the undertray to gain access to the torque mount and oil filter by undoing the eight fixings. Then you will need to remove the bolt from the front of the torque mount using a 16mm socket to allow extra access to the oil filter at the front.



12. Lever the engine back to gain some extra clearance and then remove the oil filter, making sure you have something ready to catch any leakage. Once removed, install the oil sandwich plate and secure in place by tightening the bolt inside using a 1-inch socket. Then tighten the connections making sure they are pointing downwards.



13. Install the oil lines starting with the shortest. Attach the straight fitting to the oil cooler's lower connection (highlighted in blue) and attach the other end to the sandwich plate's closest fitting. The longer line goes from the oil cooler's upper connection to the sandwich plate's furthest fitting. Once all fittings are tightened with an adjustable spanner, attach the two oil line separators at an even distance.



14. Now reinstall the oil filter and check that the oil lines, fittings and the filter have all been fully tightened and secured in place correctly to avoid any leaks. The torque mount bolt can now be reinstated and the undertray refitted in reverse of Step 11.



15. Finally, the air feed hose can now be fitted to the oil cooler scoop and feed using the provided jubilee clips. **You will then need to fill an extra half litre of oil to the engine before starting. Once up to temperature, check the oil level again.**

