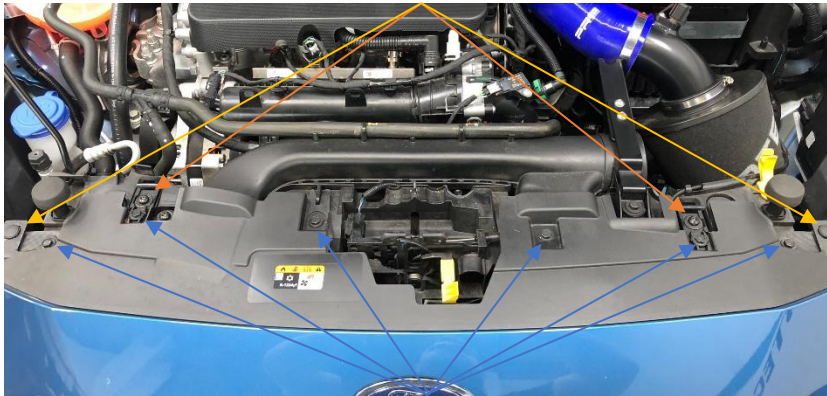


# Fiesta ST200 mk8 Stage 3 Intercooler Fitting Instructions

Tools needed:

- 10mm socket, extension & ratchet
  - T30 torx bit
  - Philips screwdriver
  - Flat headed screwdriver
  - Trim removal tool
  - 5mm Allen Key or Socket
  - Access to a vehicle lift or floor jack and axle stands
- Safety eyewear, footwear, gloves and protective clothing are recommend

1. Start by undoing the 6 x 10mm bolts, 2 x T30 torx bolts and remove the two plastic fittings using a trim tool or flat headed screwdriver that attach the top of the bumper to the slam panel.



2. In each wheel arch remove 3 x 10mm bolts. This will allow you to pull the wheel arch liner forward slightly and get access to remove the 10mm bolt shown below.



3. Underneath the front bumper remove the 3 x 10mm bolts



4. Remove the plastic clips that hold the tabs of the bumper to the under tray underneath the car by using a Philips screwdriver to undo the centre and then a trim tool or flat headed screwdriver to remove the fitting.



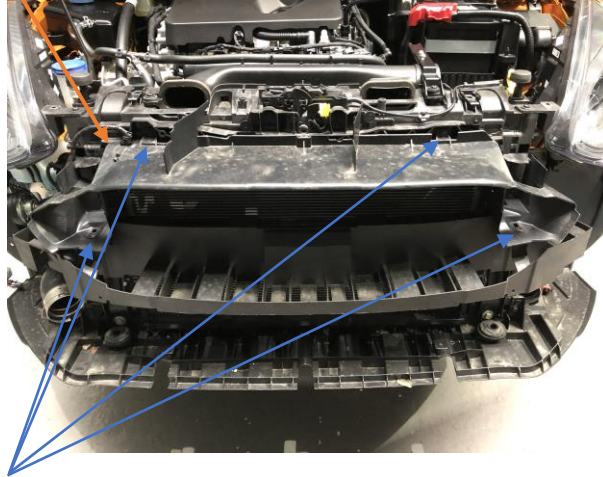
5. On top of the slam panel where the torx fittings where there is a plastic clip, this needs to be pushed up to release the clip and allow the top of the bumper to come forward, then using a second person starting from the edges of the bumper pull outwards to release the corners, unplug the wiring for the fog lights and then proceed to remove the bumper by pulling it out forwards and then store the bumper safely.



6. Undo the original intercooler by removing the 10mm bolt from the bracket on either side of the intercooler. The bolt should be reinstalled after the original intercooler is removed.
7. Undo the original hose clamps each side by using a flat headed screwdriver to pull up each side of the clip until it pops up and then you will be able to remove the hoses from the intercooler.



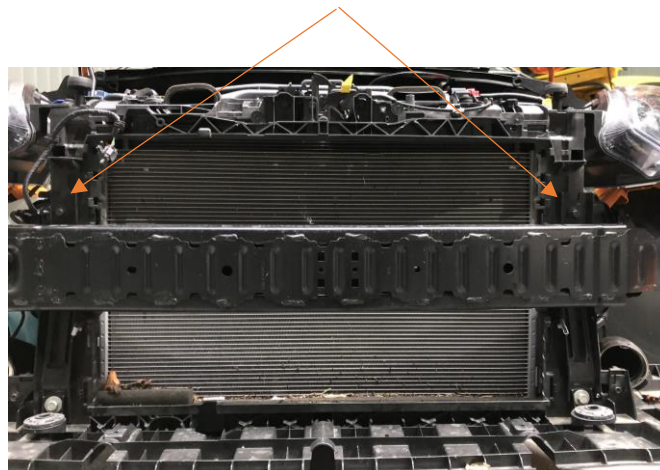
8. The original intercooler can now be removed by tilting the top of the intercooler forward and then pulling it out of the rubber mounts. If the rubber mount stays on the original intercooler pegs then remove these off and refit back into the holes.
9. Remove the air temperature sensor from the upper plastic surround by use of a trim removal tool or similar and tuck out of the way for now, it will be refitted later.



10. The push fittings can now be removed from the upper plastic surround by use of a trim removal tool or similar and the surround put aside. The surround is not reused.
11. The surround mounted to the crash bar can now be unclipped and removed, this is done by lifting it slightly and pulling forward to unclip the top and then repeat this on the bottom. This is not reused.



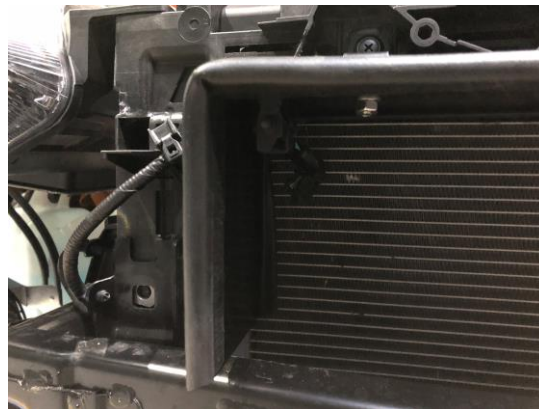
12. The 2 x 10mm bolts either side of the radiator are now removed, these will be reused when installing your new AIRTEC intercooler.



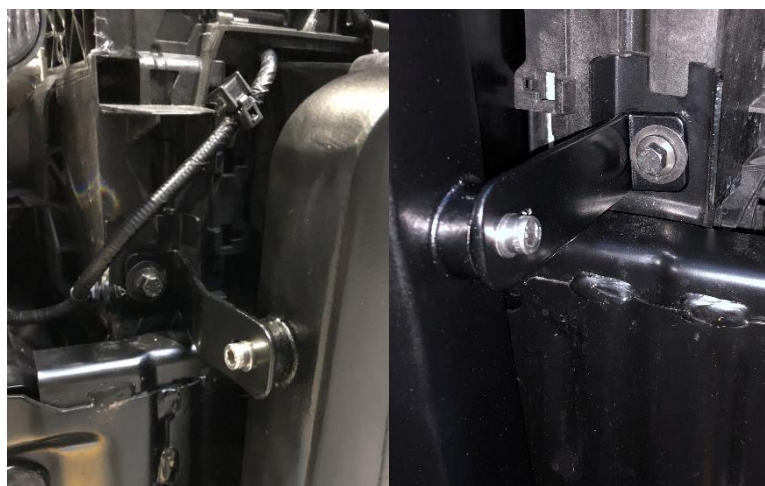
13. Install the new air guide into place where the upper plastic surround was and use the supplied M6 x 16mm socket head bolts with washers and nuts to secure the 2 smaller brackets to the top of the new air guide and reuse 2 of the original push fittings to secure this to the car. (please note that this will be sandwiched between the radiator and intercooler which will help to hold this secure)



14. The air temperature sensor can now be reinstalled by pushing it into the holes on the new air guide. The wiring for this is best routed behind the new air guide.



15. Your new AIRTEC intercooler can now be fitted by slotting it into the rubber mounts and pushing it in so that the pegs are securely in the mount.
16. Using the 2 supplied brackets attach these to the sides of the intercooler (looking from the front of the vehicle the left hand bracket is the one with a bend, as pictured) and line these up with where the 2 x 10mm bolts were removed in step 12 and secure.



17. Refit the hoses and push down the clip making sure the hose is secured to the new intercooler.
18. Refit the bumper in the reverse of removal, ensuring that when putting the sides of the bumper in that the tabs go the correct side and the bolt goes back in that was removed from under the wheel arch as this holds the sides of the bumper in and then when pushing it in make sure that the clips clip back into place on the slam panel.

