

Ford Focus MK4 ST Intercooler Fitting Instructions

Tools needed:

- Ratchet and selection of extensions
- Access to vehicle lift or jack and axel stands
- Trim removal tool
- Dremel with cutting disc or small hack saw.

Kit Includes:

- 1x AIRTEC intercooler
- 2x Fitting blocks
- 1x Fitting kit



Instructions:

1. Start by removing 17 x T27 screws from the undertray then remove 5 x 10mm screws from underneath of the front bumper and 6 x Trim clips, this will release the underneath of the bumper.



2. Now you can remove 2 x T27 screws from either side of the wheel arch liners.



3. Remove 6 x 10mm bolts along the top of the bumper, plus the 2 trim clips and 2 x T27 Torx screws.



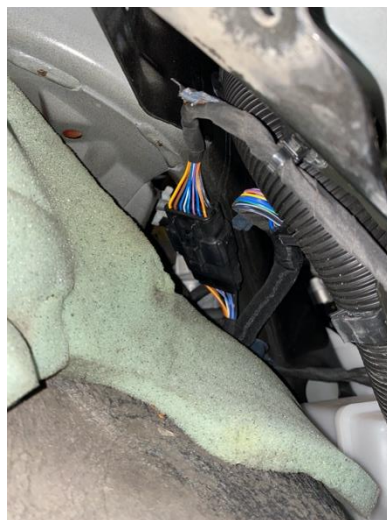
4. You will now need to remove 3 x trim clips from the arch liner and then one inside the wing securing the bumper to the bracket, you will need to do this to either side.



5. Release the bumper from the wing brackets by pulling away from the car.



6. Now unclip the wiring harness from inside the driver's side arch liner and unclip 2 harness clips.



7. You will now be able to remove the front bumper and place it in a safe place, now you can unplug the temperature sensor unclip the wiring loom from the front surround. Now you can remove the lower surround by applying pressure on the locating tabs.



8. Remove 4 x trim clips along the top of the upper surround then squeeze clips either side to release the surround.



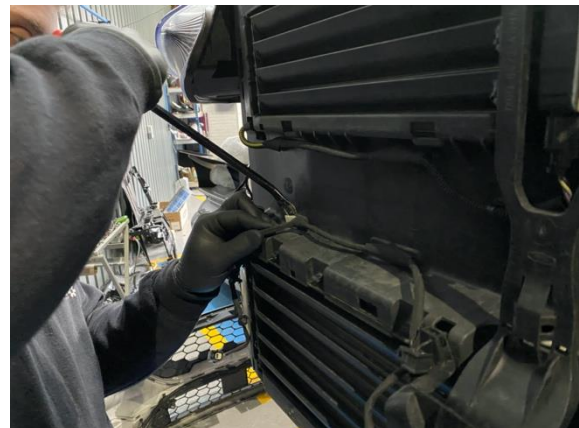
9. Release the plastic in front of the crash bar and set aside.



10. Now remove the crash bar by removing 4 x 10mm bolts on the sides of the crash bar and then 8 x 15mm bolts securing the crash bar to the car.



11. Unclip the radar wiring harness then remove the radar by undoing the 2 x T27 screws then lift the radar to remove.



12. Unclip wiring harness from the surround to the car.



13. Undo bonnet latch undoing 1 x T27 for the sensor and then 2 x 8mm for the latch itself. Unclip the cable from the clips on the surround and unplug the wiring and place the latch aside.



14. Remove the headlights by undoing 1 x T27 per side and unclipping the plug.

15. You will now need to undo 2 x 10mm bolts on the underside of the front surround and a further 2 on the back of the surround.



16. Release the clips for the rad pack by squeezing them and pushing them in (1 clip either side). Undo 2 x 10mm bolts at the top of the surround and remove. You will need a second person to help remove the surround.



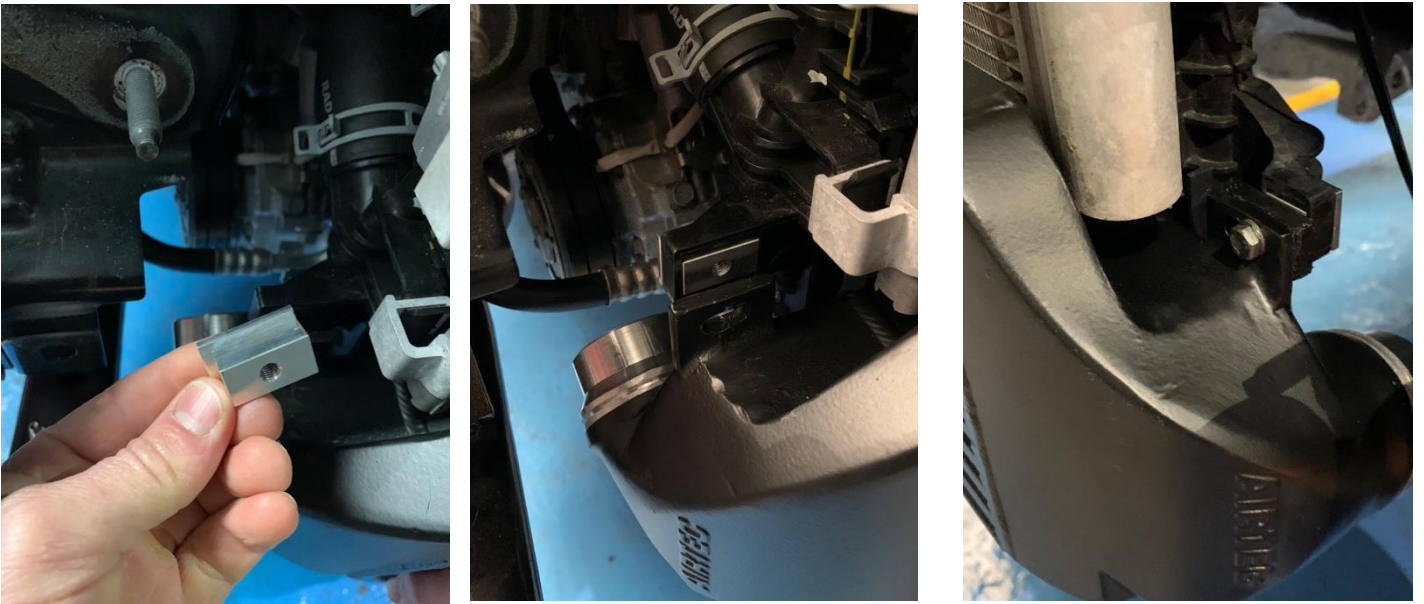
17. The bonnet will now need to be supported via a different method as the bonnet strut is removed with the surround.



18. Unclip the intercooler pipework and remove the intercooler by squeezing the 2 clips at the top and the intercooler will swing forward and down.



19. You can now start installing your new AIRTEC intercooler by inserting the provided billet fittings and securing using supplied hardware. (Passenger side will need 3d printed spacer insert)



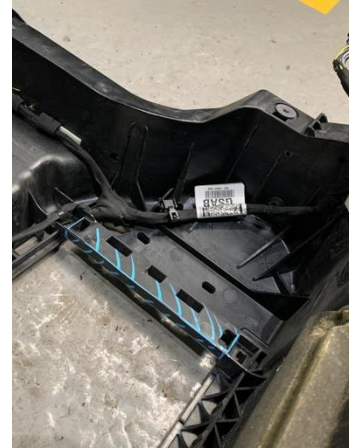
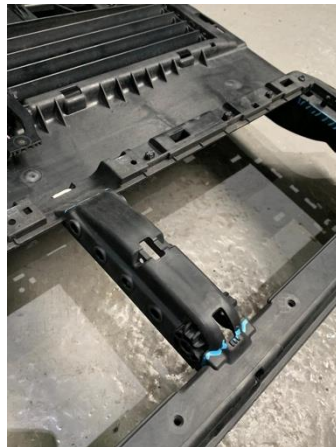
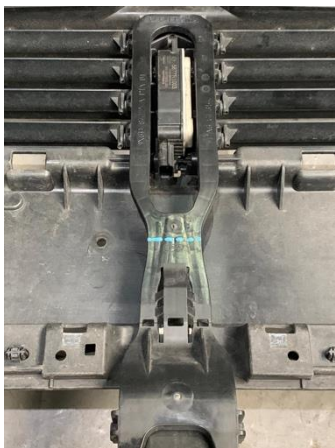
20. The next step is to refit the intercooler / Rad pack casing before fitting you will need to remove the lower flaps and cut plastic to allow the Intercooler fit.



21. Start by applying pressure on the surrounding clips of the lower section this will allow you to remove the flaps.



22. Now cut where the markings are shown in the pictures below.



23. Your casing should now look like this, you can now reinstall this in reverse of removal and refit the front bumper.

