

# Ford Focus ST Mk4 Secondary Intercooler Fitting Instructions

## Tools needed:

- Ratchet and Socket set including a Torx and Allen Key bits
- Jubilee flexi-driver or Flat-Bladed Screwdriver
- Drill and 6mm drill bit

## Kit Includes:

- 1x AIRTEC Motorsport secondary intercooler
- 2x Pro Hoses silicone pipes
- 1x Alloy CNC connector
- 1x AIRTEC Motorsport bracket
- 1x AIRTEC Motorsport air guide
- 1x M12x25mm Socket Head bolt
- 2x M6x10mm Socket Head bolts
- 2x M6 Pan Washers
- 2x M6x16mm Socket Head bolts
- 2x M6 Nyloc Nuts
- 4x M6 Penny Washers
- 4x 80mm Jubilee Clips

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



# Instructions

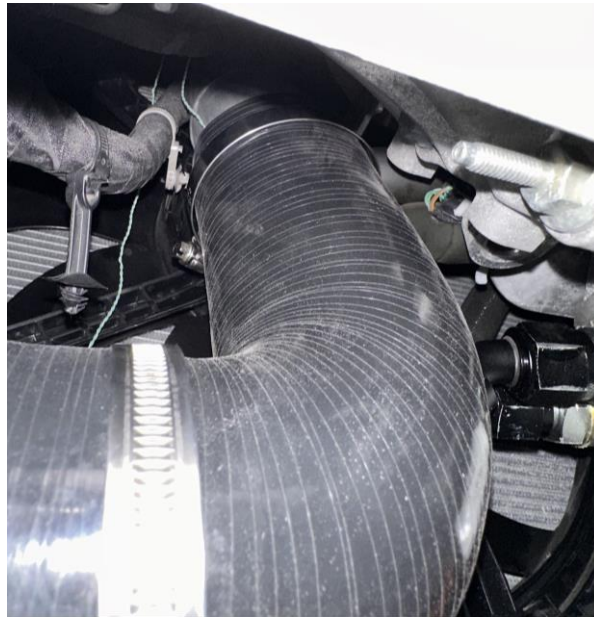
1. Raise the vehicle into the air and remove the undertray by undoing the 17 T27 Torx bolts.



2. Locate the hot side boost pipe as highlighted with blue arrow. If you have the original boost pipe you need to remove the connector attached to the intercooler and undo the hose clamp connecting it. If you have the AIRTEC Motorsport big boost pipe kit you will just need to undo the jubilee clips connecting the hard pipe and CNC connector as highlighted with orange arrow.



3. If you have the original boost pipes remove the O-ring from the original connector and install onto the new connector. Then fit the supplied 90-degree silicone hose onto the hard pipe pointing down, as shown.



4. Fit the intercooler in place by locating the supplied M12x25mm bolt through the unused tab in the gearbox, as shown, and tighten. Then you can attach the 90-degree hose and once happy with the fitment, tighten the jubilee clips.





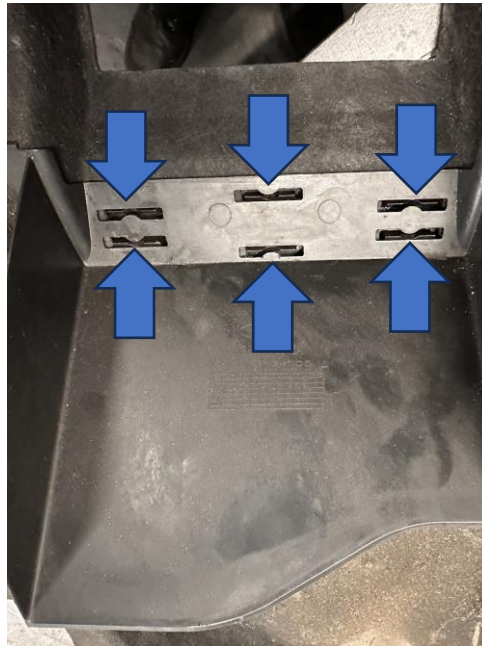
5. At the back of the intercooler locate the bolt on the gearbox (highlighted with blue arrow) and loosen – but it does not need to be fully removed. Then position the supplied bracket and loosely install the supplied M6x10mm bolts in place. Once happy with the fitment, proceed to tighten the gearbox bolt and the M6 bolts.



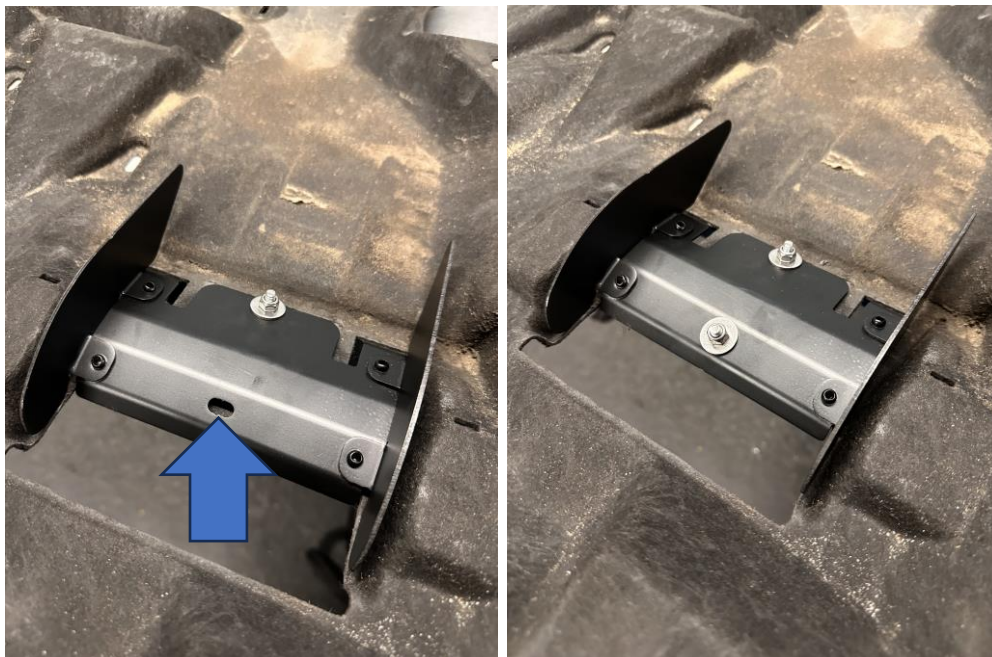
6. Then fit the supplied straight silicone hose to join the intercoolers together and fully tighten the jubilee clips.



7. On the original undertray you will need to remove the original plastic air guide by pulling at the body of the scoop whilst squeezing the six clips highlighted.



8. Install your new AIRTEC Motorsport air guide by using one of the supplied M6x16 bolts with a Nyloc nut and washers through the slot in the undertray and tighten. On the other side, mark where the slot on the bracket is on the undertray (highlighted with blue arrow) and then make a hole using a 6mm drill bit. You can then install the last bolt and tighten before reinstalling the undertray onto the car.



9. Finally, check all fittings and clips are tight and then refit the undertray in reverse of removal.

