

Ford Escort Series 1 RS Turbo Full Size Intercooler Fitting Instructions

Tools Required:

- Ratchet and Socket Set
- Angle grinder, tin snips, a hack saw or the best and neatest way is to use a Metal Nibbler (electric notching tool).
- Junior Hack Saw

Kit Contents:

- 1x AIRTEC Motorsport Full Size Intercooler
- 2x Side Brackets
- 2x Silicone U-bend Hoses
- 2x Aluminium Hose Joiners
- 2x 9" Slimline Blow Fans

Fitting Kit:

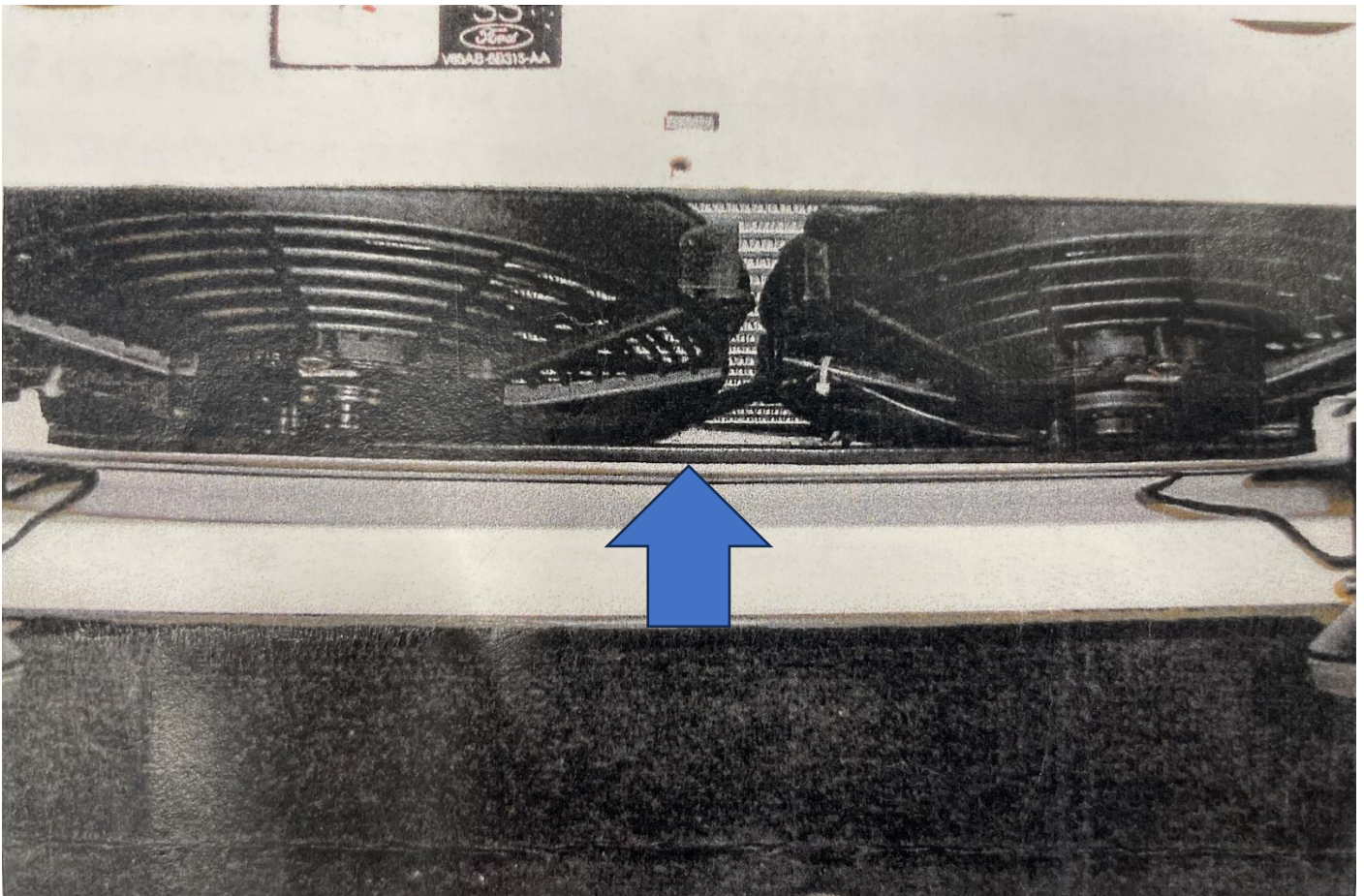
- 4x 60mm Jubilee Clips
- 2x Aluminium Radiator Spacers
- 2x Self Tapping Bolts Hx14x150
- 6x M6 Pan Washers
- 2x Fan Mounting Tie Kits
- 2x Yellow Bullet Wiring Connectors
- 4x M6x10mm Hex Head Bolts
- 4x M6x20 Washers
- 2x M8 Nyloc Nuts
- 2x M8 Washers
- 2x M6x16mm Button Head Bolts
- 2x M6 Nyloc Nuts



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

Instructions

1. Start by removing the spotlights if fitted.
2. Unclip the front grille (This will need to be cut later but will still look original once fitted back on car).
3. Remove the standard cooling fan.
4. Remove the standard intercooler.
5. Drain engine coolant and then carefully remove radiator.
6. Now you will need to cut the front panel, as shown. If you are running an aftermarket radiator, you may need to trim more as some have bigger end tanks, which makes the intercooler sit further forward. You can cut the front panel with an angle grinder, tin snips, a hacksaw or the best and neatest way is to use a Metal Nibbler (electric notching tool).



7. Now it's best to fit everything in place loosely to check there's sufficient clearance. First, position the new intercooler in place and attach the supplied alloy brackets loosely with the four M6x10mm Hex Head bolts with washers supplied. These will attach to the car's bumper bracket mounts using the M8 Nyloc Nuts and washers supplied.

Then carefully refit the radiator to check for clearance. You may need to remove bonnet catch striker plate and air box/cone filter to allow extra room.

Please note: It's best to leave the top of the radiator unbolted and hoses disconnected. Just ensure the bottom positioning brackets are in place and then place both slim line fans onto the front of the intercooler but do not fully secure them yet. The centre of the fans should locate just above the cut section of the front panel and it's best to mark their location on the intercooler to save time later.

Then move the radiator forwards into position and attach the top fittings using the two supplied aluminium spacers together with the self-tapping bolts and washers supplied to allow it to lean back and provide more clearance.

Make sure the fans, intercooler and radiator are all in a good position and the top of the radiator can be fully bolted in place. **If no further cutting is required, you can now start to secure everything.**

8. Next, unbolt the top of the radiator and gently lean the intercooler and radiator back to allow room to fully secure the fans. To do this, position the fans onto intercooler, line up with marks from Step 8 and then feed the supplied fan mounting ties through the fan, intercooler **and** radiator.

9. Bolt the top of radiator up again using the supplied spacers and bolts, and then bolt the intercooler in place by fully tightening the brackets to the intercooler and car bumper mounts. You can then reconnect the water hoses and attach the two boost hoses supplied.

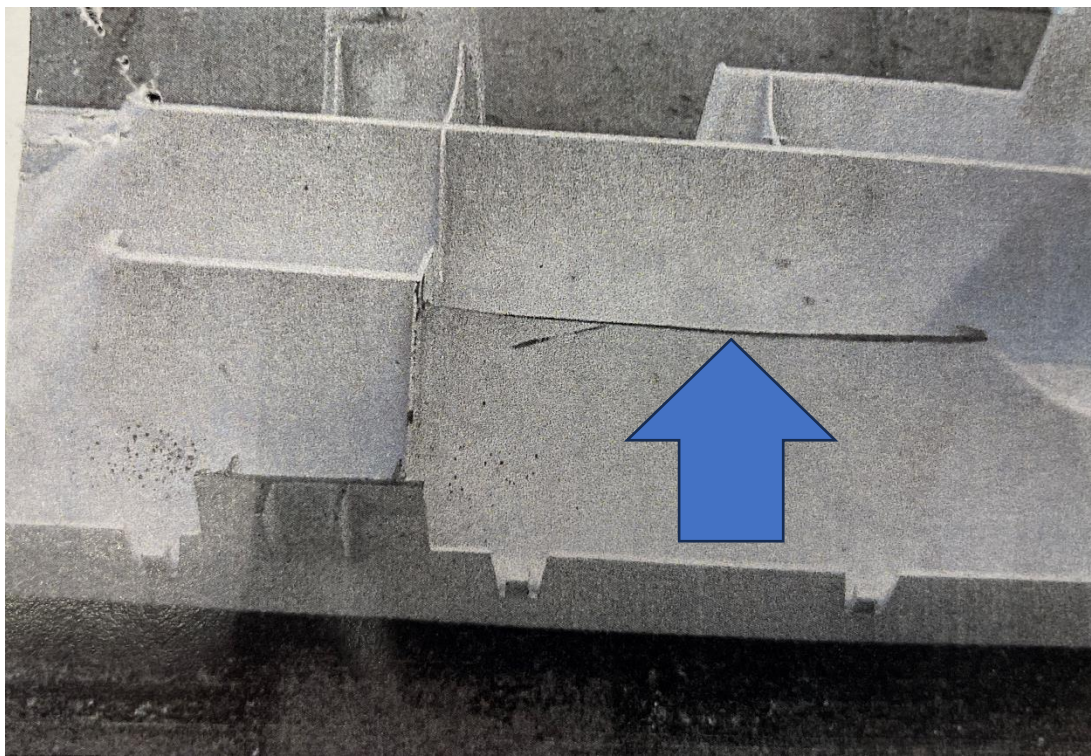
Please note: the car's bottom boost hose may need to be slightly trimmed to meet the new hose/alloy pipe joiner.

10. Connect the fan wiring using the supplied yellow bullet connectors by joining the two black wires on the fans to the brown wire on the car's original fan wiring. The two blue wires on the fans join to the black wire on the car's original fan wiring.

Now check the fans are blowing onto the intercooler/radiator and not sucking. To do this, disconnect the fan switch on the thermostat housing, turn the ignition to the 'On' position and bridge the terminals together on the fan switch with a piece of wire.

Please note: if the fans are sucking are not blowing, simply reverse the fan wiring so black goes to black and blue goes to brown.

11. You now need to trim the bottom tags off the grille, which can be done using a junior hack saw. The back of the grille, either side of the Ford badge also has to be trimmed 5mm due to the new fans, as shown.



16. Refit the grille in place using the top clips. If you would prefer to, we suggest also securing it further by drilling a hole each side and attaching it using the bolts, nuts and washers provided.

17. Finally, refit spot lights, bonnet catch and air box/air filter.