

RS Turbo S2 Single Pass front mount intercooler fitting instructions



Fitting should take approximately 3 hours from start to finish.

Tools needed.

1. 13mm deep socket, ratchet & extension bar
2. 10mm socket
3. Electric Hand Drill with a 4mm drill bit
4. Philips screwdriver (pozi drive) & Flat blade
5. Side cutters
6. **For fan switch wiring** pliers or crimping tool (even better would be soldering iron but not essential)

Safety first!

1. Always use eye protection whilst using electric hand drills
2. Disconnect battery whilst performing any electrical operation. (i.e. wiring the twin fans up!)
3. Wear protective gloves if possible

Parts supplied in S2 AIRTEC front mount intercooler kit

1x Intercooler with side brackets & cold feed plate

2x Water radiator securing brackets

2x ITALIAN 50mm wide 9" slim line fans

2x wiring connectors (if you have soldering iron its better)

2x 90 degree silicon bends with jubilee clips and alloy pipe joiners.

Plus all fittings that you should require.

Fitting instructions step by step

- 1. Remove front bumper**
- 2. Remove standard cooling fan**
- 3. Remove standard intercooler**
- 4. Now take the 'L' shaped alloy bracket, this secures the bottom of the radiator to the lower front panel. You will need to drill one hole to fit the bracket.**
- 5. Now take the top radiator bracket and bolt it on the top of the radiator.**
- 6. Now attach the x2 Italian slim line fans to the front of your original radiator using the plastic fan ties**
- 7. Now connect fan wiring, join the x2 black fan wires to the brown wire on the car and take the x2 blue wires and join them to the black wire on the car.
(Tip, you can use the original fan wiring multi plug, simple cut off multi plug from standard fan, make sure you leave enough to join all wiring together**
- 8. Now check the fans are blowing onto the radiator not sucking, disconnect the fan switch on the thermostat housing, turn ignition to on position and then bridge the terminals on the fan switch with a piece of wire. If the fans are sucking not blowing simply reverse fan wiring. Reconnect fan switch and turn off ignition.**

- 9. Now take the intercooler & bolt the cold feed plate and the long alloy bracket to the right hand side of the intercooler (with the long bracket on the top of the cold feed plate) then bolt the small alloy bracket onto the left (these can be adjusted if needed)**
- 10. Now take the 2 90 degree silicon bends and fit them top and bottom of intercooler (they will be marked top & bottom.**
- 11. Then place intercooler into position and mark where the holes need to be drilled. The brackets need to bolt onto the spot light holes. Then tighten bolts.**
- 12. Make sure before drilling your 90 degree silicon bends line up with original ford/silicon hoses on car.**
- 13. Connect top and bottom boost pipes and tighten.**
- 14. Before re-fitting front bumper make sure everything is tight.**
- 15. Re-fitting front bumper. 90 spec models and any S2 using a 90 spec front bumper there is no need for any modifications, 88 spec front bumpers may need very minor trimming at back of bumper to clear intercooler.**
- 16. Your now finished.**