

Fiesta RS Turbo AIRTEC Front Mount Intercooler Fitting Instructions



Fiesta Turbo Intercooler with T2 fitting kit.

Fitting. Depending on selection of tools and mechanical skill about 3-4 hours
(4+ hours for perfectionists)

Safety first!

1. Always use eye protection whilst using tin snips, electric drills, angle grinders and so on.
2. Disconnect battery whilst performing any electrical Operation (i.e. whilst wiring the fan up!)
3. Wear protective gloves if possible

Parts supplied in T2 kit. (stainless jubilee clips included).

1x Airtec Single pass front mount intercooler.

2x Alloy intercooler side brackets with fixings.

Top pipe, 1x Silicon 90 degree bend & long alloy pipe joiner.

Bottom pipe, 1x Custom Silicon hose.

1x 11" Italian slim line fans with fan securing straps.

2x wiring connectors (if you have soldering iron it makes a better job).

Parts supplied in T3 kit. (stainless jubilee clips included).

1x Airtec Single pass front mount intercooler.

2x Alloy intercooler side brackets with fixings.

Top pipe, 1x Silicon 90 degree bend & 1x short alloy pipe joiner.

Bottom pipe, 2x Silicon 90 degree bends & 2x short alloy pipe joiners, these join together to make one adjustable bottom hose.

1x 11" Italian slim line fans with fan securing straps

2x wiring connectors (if you have soldering iron it makes a better job)

Fitting instructions step by step

1. Remove front bumper, Undo the 2 self tapping screws & 2 13mm nuts each side of the bumper.
2. Remove standard cooling fan, keep hold of this for the moment.
3. Remove charge carrier with top boost pipe still attached
4. Undo bottom boost pipe and pull away from bottom of intercooler (T2, just remove long metal boost pipe from intercooler).
5. Now remove standard intercooler from radiator.
6. Now we are going to fit the new 11" slim line fan so we have enough clearance when we come to cut and install the intercooler, the new 11" fan is going to fit on the left hand side of the radiator the same place as the original fan was located, to secure simply push the fan clips provided through the radiator and secure at back with round clip which come in same pack.
- 6a. Time to connect fan wiring, join the black fan wire to the brown wire on the car and take the blue wire and join it to the black wire on the car. (Tip, you can use the original fan wiring multi plug, simply cut off multi plug from standard fan, make sure you leave enough to join all wiring together)

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 bridge the terminals on the fan switch with a piece of wire. If the fan is sucking not blowing simply reverse fan wiring. Reconnect fan switch and turn off ignition.

7. Now you will need to cut the lower part of the front panel.

You will need to cut approximately 22" long and leaving about 2 to 3mm at the bottom of the panel. See picture below.

Tip. Take your intercooler and loosely bolt side bracket on, use this when you are cutting front panel to help you judge your progress (the intercooler needs to sit as low as possible this is how it will clear to of bumper)



- 7a You can cut the front panel with an angle grinder, tin snips, hack saw or the best and neatest way is to use a metal nibbler (electric notching tool). These can be bought from most good tool vans i.e. snap on or mac tools.
- 7b. Make sure you are happy the intercooler is lower enough by loosely placing intercooler onto front panel and try fitting front bumper to will help you judge if you need the intercooler to be lower, if yes its just the case of the front panel needing to be cut lower at the bottom.
8. Once you have cut the front panel and are happy no further cutting is required you will need to secure intercooler to the front panel, Position the intercooler onto the front panel and then mark the left & right hand bracket were it is going to be drilled, remove the intercooler and drill one 8mm hole one each bracket and then place intercooler back onto front panel again and then mark were the holes need to be drilled on the front panel, drill the marked holes.

Tip use white touch up paint or similar so it easy to see were you need to drill.

9. Just before bolting intercooler onto front panel place the top and bottom boost hoses onto intercooler and place into position secure boost hoses and then you can bolt intercooler onto front panel using self-tapping bolts provided.
- 9a. Below shows top 90 degree bend and long alloy pipe joiner which connects to the top boost pipe, this is the same on T2 & T3. Custom bottom boost pipe connects to original ford metal boost pipe.



Below is the position the T3 bottom hose needs to be in before fitting, a alloy pipe joiner is provided to connect this pipe with bottom T3 boost hose.



10. Run engine to check cooling fan is coming in and out as normal.
11. T2 Turbo, Now all is left to do is re-fit front bumper and secure.
T3 Turbo you will need to remove some excess foam from rear of bumper to help fit.



As you can see no cutting required to front bumper on T2 Turbo.