

## Radtec Fitting Guide Focus RS Intercooler

1. Remove the battery cover and disconnect the battery terminals.
2. Loosen the jubilee clips holding the boost pipes on to either end of the charge cooler and withdraw.
3. Undo the battery retaining strap and remove the battery from the engine bay.
4. Undo the two screws holding the plastic battery tray and the screw securing it to the charge cooler before withdrawing.
5. Undo the charge cooler header tank breather hose and remove it.
6. Undo the coolant feed and return hoses from the chargecooler and withdraw it.
7. Unscrew the chargecooler header tank retaining bolt and coolant feed hose before removing the tank.
8. Jack the car up or use a ramp to get the car up in the air before removing the undertray and removing the three bolts holding the bumper on.
9. Unclip the slam panel cover before disconnecting the fog and indicator light connections, with these free, withdraw the bumper itself.
10. Undo the chargecooler rad bolts from the sub frame assembly and feed through the remaining coolant hoses.
11. Disconnect the charge cooler pump coolant hose before removing the chargecooler rad.
12. Disconnect the electric pump connector and undo the mounting bolts, removing the pump and associated hose.
13. Undo the sub-frame bolt and remove the chargecooler rad mounting brackets, replacing the bolt holding the remaining rad and air-con rad carrier.
14. Undo the power steering pipe separation bracket and remove it, you will need to carefully bend these pipes up and out of the way to clear the cooler.
15. Measure the centre of the intercooler and the car before marking whereto drill the two cooler locating holes.(you will use up drill bits on this job the metal is very tough)
16. Bolt the intercooler so it is flat against the slam panel.
17. Fit the supplied alloy boost pipes and silicon hose. Use pictures sent (long pipe with 90 bend at end goes from intercooler drivers side to bring pipework up passenger side.
18. Refit the bumper, using the three bolts either side and the clips and refit the slam-panel cover.
19. Refit the undertray using the ford screws/plugs and bring the car back to floor level.
20. Push the new battery tray into the old chargecooler mounts, and secure it in place.
21. Refit the battery using the new securing brackets- you will need to move the old earthing point and re-route the cables to the new terminal point and then re-fit the connections.