

LAND ROVER DEFENDER INTERCOOLER FITTING INSTRUCTIONS

Tools needed:

- SOCKET SET
- JUBILEE FLEXIDRIVER OR FLAT BLADED SCREWDRIVER
- PHILIPS SCREWDRIVER
- HACKSAW OR SIMILAR TO TRIM PLASTIC

Kit Includes:

- AIRTEC Motorsports intercooler
- 2 x M8 x 30mm hex head bolts with washers
- 2 x M8 nuts

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

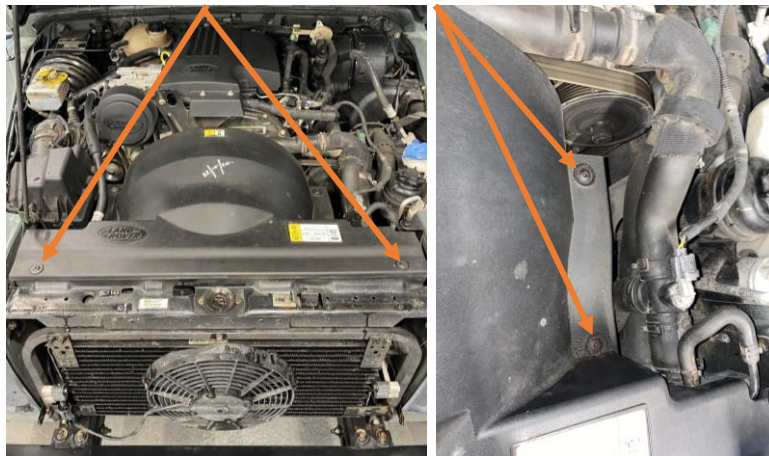


Instructions

1. Open the bonnet and secure, then remove the front grill by undoing the 6 x Philips screws (4 along the top and 1 each side) and then pull forward away from the vehicle.



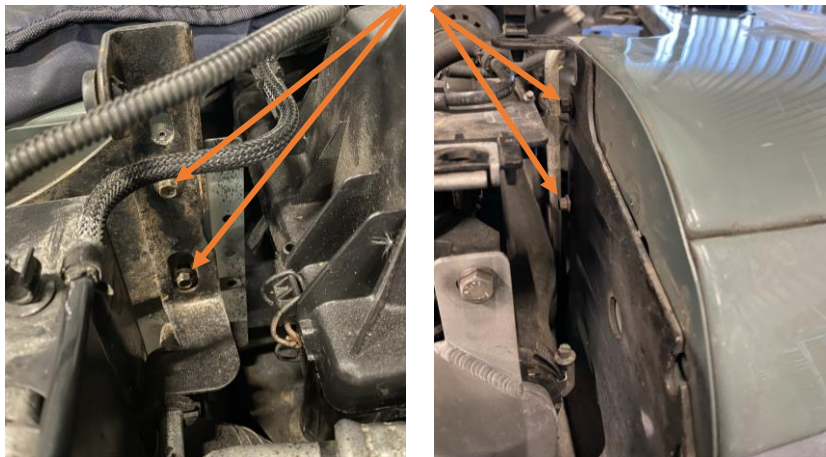
2. Now remove the fan shroud by undoing 6 x Philips screws holding it in, these screws are captive and so will not fully come out.



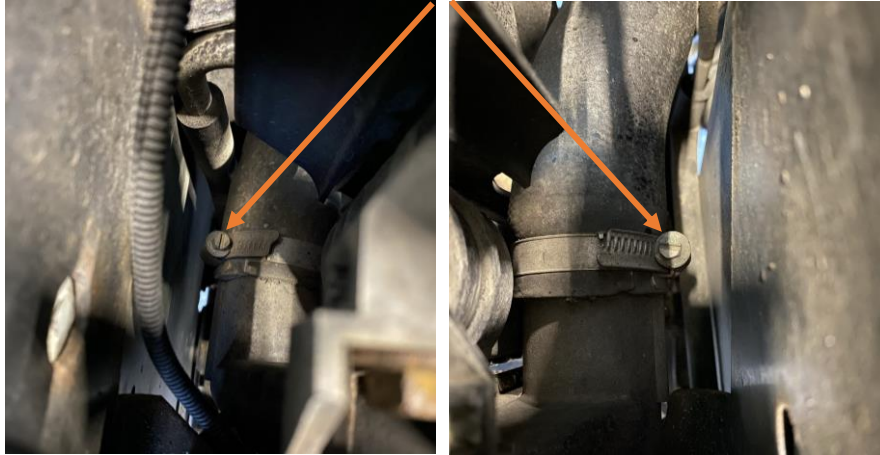
3. The 10mm bolt and 4 x 13mm nuts holding the upper panel can now be removed. The studs will need to be removed in order to take the panel out. Using the supplied M8 nuts wind the first one all the way onto a stud followed by the second nut and then lock that nut against the first nut using a spanner. Then go to the first nut and unwind it, it should start to unwind the stud with it as it cannot undo against the second nut. Repeat this process for all 4 studs and then position the panel out of the way, you will not be able to remove the panel due to the bonnet cable. There are washers behind the panel on each side, ensure that you do not lose this as they are reused when reinstalling the panel.



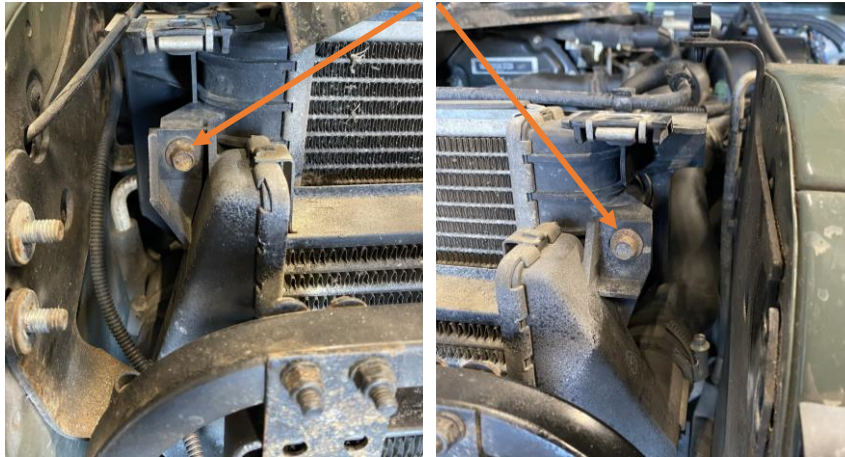
4. At this stage you will need to find a support for the bonnet. Once you have supported the bonnet you can then remove the 4 x 8mm bolts (2 each side) holding the brackets on both sides in place. On the left hand side the top bolt undoes the bracket that supports the air conditioning pipework. This cannot be removed so just slide the bracket up the pipe and out of the way.



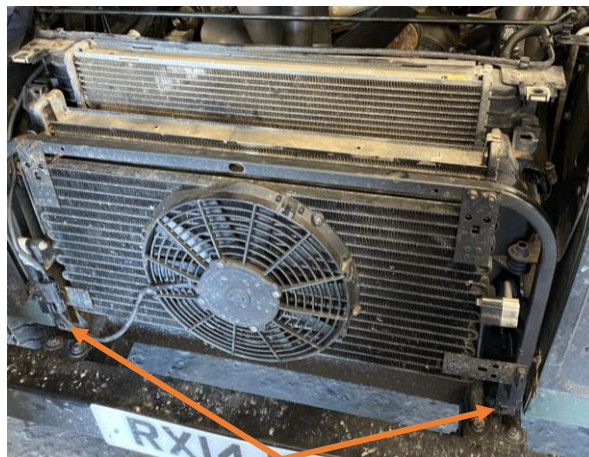
5. Undo the intercooler hoses using a jubilee flexdriver or flat bladed screwdriver and then release the hoses from the intercooler end tanks.



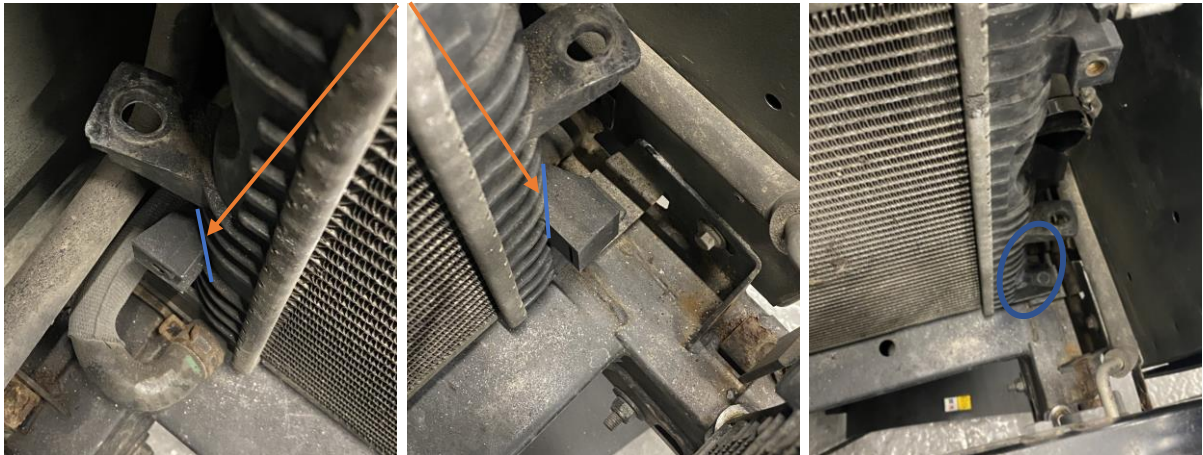
6. Now undo the 2 x 13mm bolts at the top of the intercooler.



7. In order to remove the intercooler you will need to undo the 2 bolts at the bottom of the air conditioning condenser surround. This allows the surround to be pulled forward slightly whilst a second person lifts up the left hand side of the intercooler, first to release it and then rotate it round slightly before lifting out the right side.



8. With the intercooler removed you will now need to trim 2 plastic blocks off of the radiator so that the new intercooler will fit.



9. Install your new AIRTEC Motorsport intercooler, you will need to hook one side in first before rotating the intercooler to get the other side in. You will need a second person again for this to hold the air conditioning condenser forward. Use the supplied M8 bolts to fix the intercooler at the top.
10. Now reassemble the vehicle in the reverse of removal, install the bolts into the bottom of the air conditioning condenser surround but do not tighten at this stage. Once you have reinstalled the top panel and done up the 10mm bolt you can then tighten the bolts in the bottom corners of the air conditioning condenser surround.

