

Vehicle:	Land Rover Discovery II TD5 (Automatic)
Product:	AIRTEC Motorsport Intercooler
Part number:	ATINTLR07



Kit Contents:

1x AIRTEC Motorsport Intercooler	4x M8x16mm Socket Head Bolts
1x Nearside Bracket	6x M8 Washers
1x Offside Bracket	4x M6x16mm Hex Head Bolts
2x M8 Nyloc Nuts	4x M6 Washers

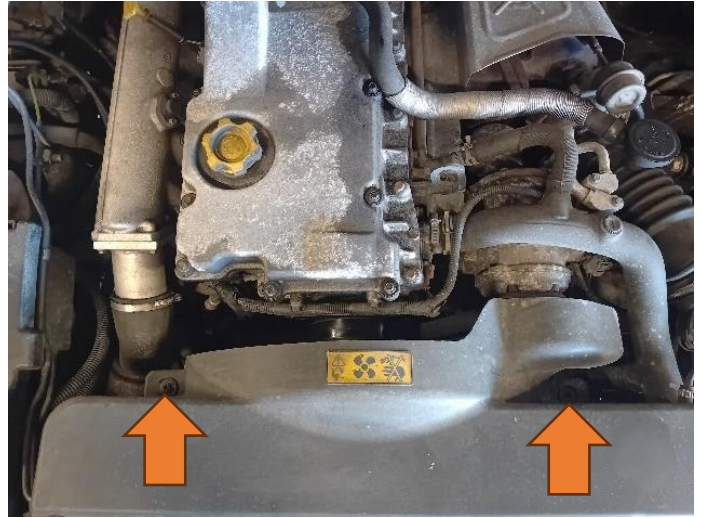
Tools Required:

Viscous Fan Tool Kit for Land Rover Discovery II TD5	Philips Screwdriver
Allen Key Set	Spanner Set
Ratchet and Socket Set	

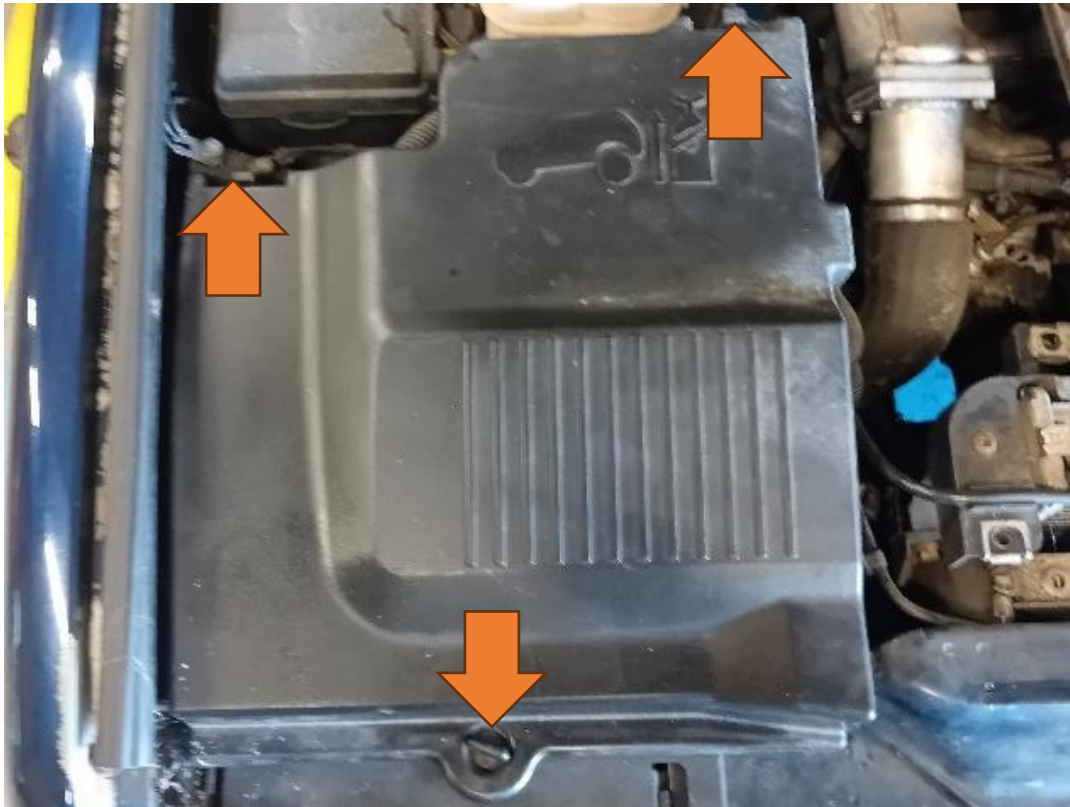
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions:

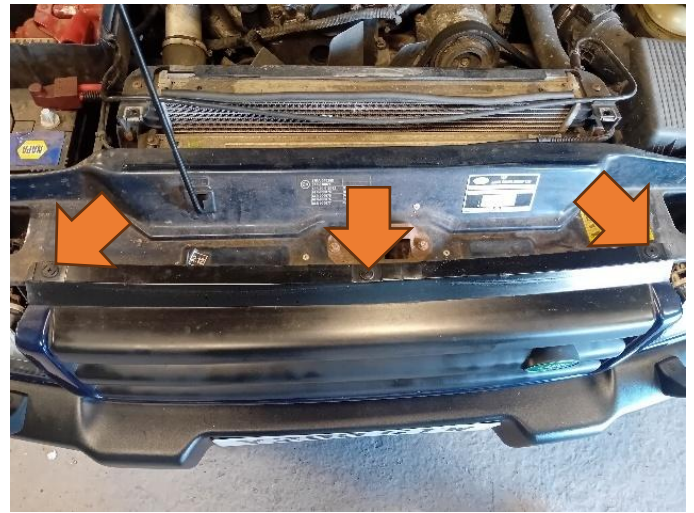
1. To start the installation process, remove the radiator shroud by releasing the four pins securing it in place using a Philips screwdriver.



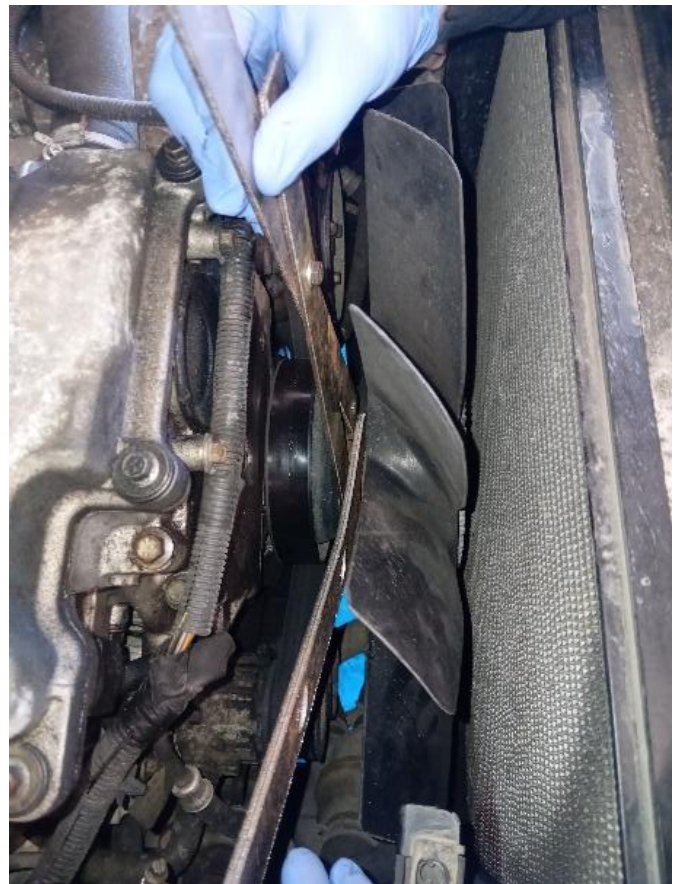
2. Now remove the battery cover by turning the locking mechanism at the front and releasing the two plastic clips at the rear.



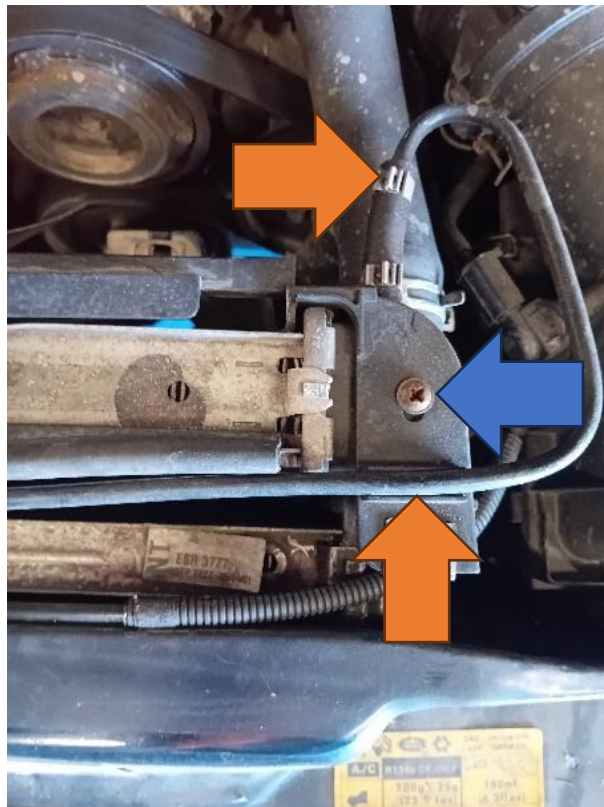
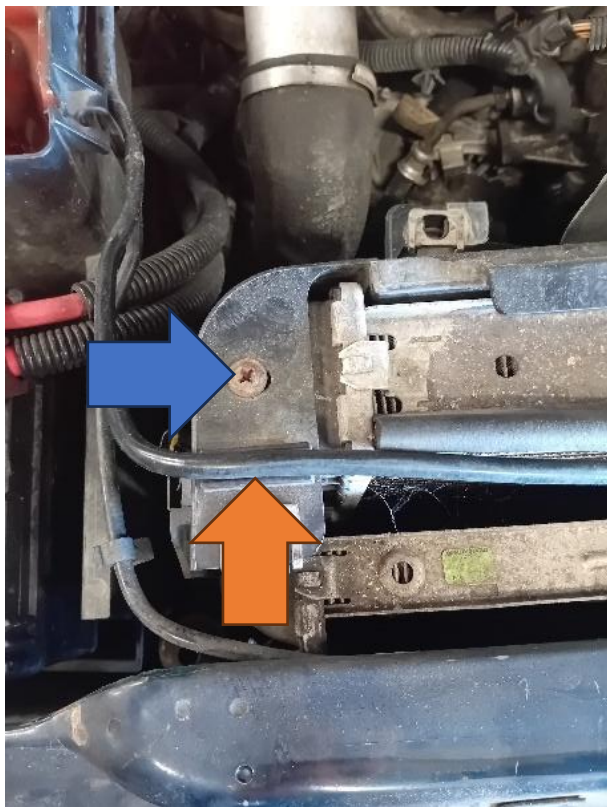
3. Remove the headlight cover panels by releasing the plastic clips on either side of each panel, then use a Philips screwdriver to remove the three plastic push fittings along the top of the front grille. You can then pull the grille free.



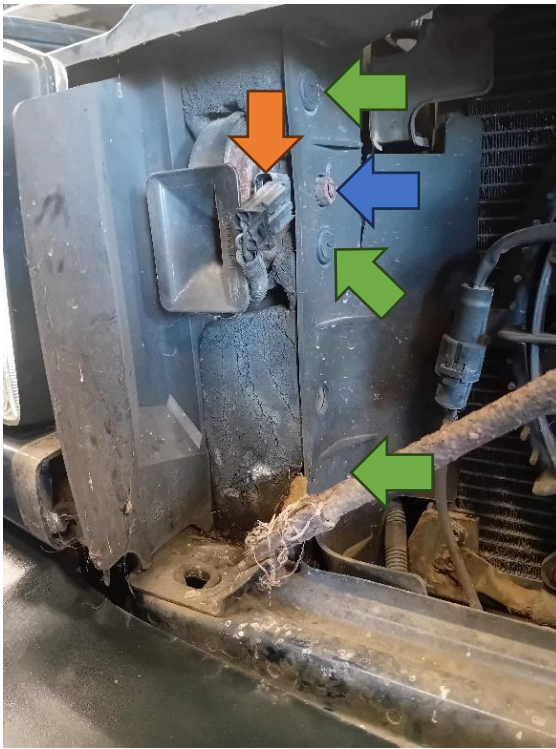
4. Now remove the fan. To do this, you will need a viscous fan removal kit specifically for this car, consisting of a special spanner and a pulley locking tool. Hold the pulley still using the locking tool and undo the fan using the spanner.



5. Unclip the coolant line routed across the radiator shroud and then disconnect it from the radiator and tuck it out of the way (orange arrows). You can then remove the two Philips screws securing the radiator shroud in place (blue arrows) and lift it up and out of the engine bay, as shown.



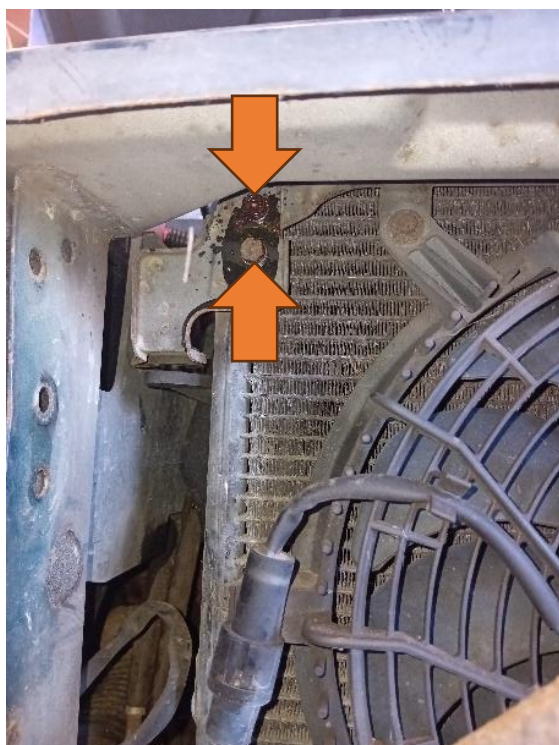
6. At the front of the vehicle on either side of the electric fan there are rubber panels that need to be removed in order to access the intercooler's mounting brackets. To remove each of them, first disconnect the wiring plug for the horn (orange arrow) and then remove the 13mm retaining nut (blue arrow). You can then release the three plastic push fittings (green arrows) on each side using a Philips screwdriver.



7. The two upper brackets securing the intercooler need to be removed. To do this, access to the 10mm bolts behind each of the horns is required. Remove the horns and peel back the foam that fills in the areas in front of them; the 10mm bolts will now be accessible and can be removed, followed by the brackets on top of the intercooler pins.



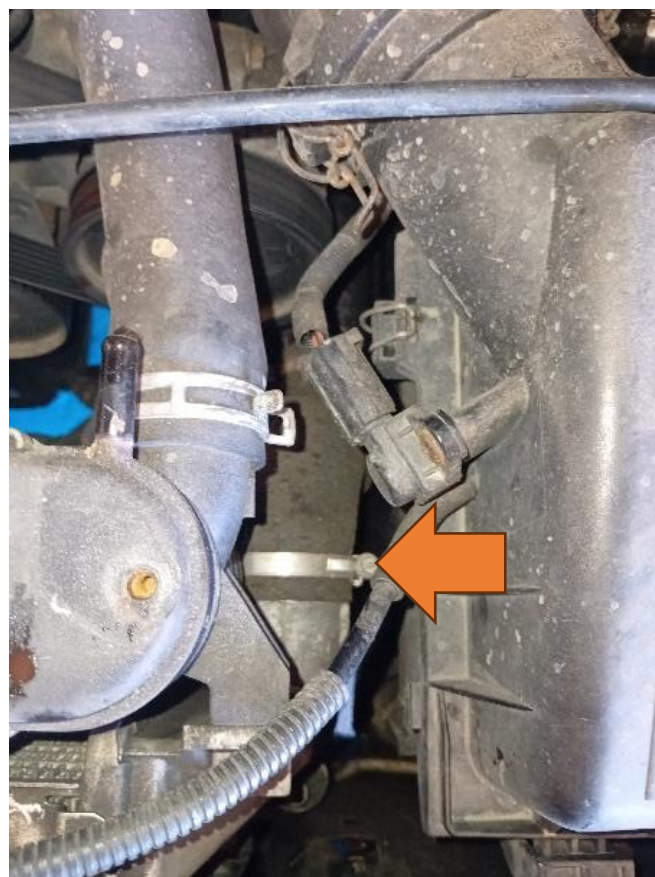
8. Undo the four 10mm bolts (two each side) securing the lower intercooler mounting brackets to the front of the car. The brackets can be lifted off from the pins on the intercooler and removed.



9. Undo the two 13mm bolts holding the intercooler on to the radiator.



10. Now loosen the jubilee clips securing the boost hoses and disconnect them from the intercooler.

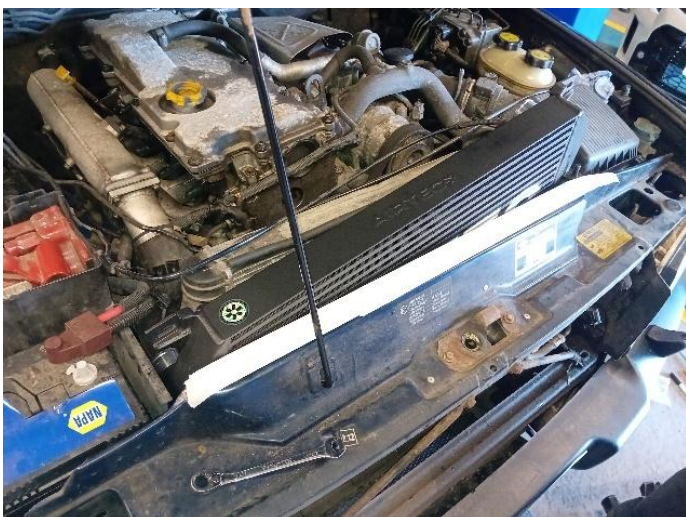


11. The original intercooler can now be removed. To get enough clearance to do so, the radiator must be pushed back towards the engine whilst lifting the intercooler. We recommend getting assistance with this step so that one person can push the radiator and one can manoeuvre the intercooler out.



12. Before installing the new intercooler apply some masking tape over the slam panel to prevent damage. Then, push the radiator towards the engine for clearance and insert the new intercooler with the left-hand side pointing downwards, as shown.

Ensure that the left pin is seated in position, then manoeuvre the right-hand side of the intercooler around the radiator and down into position so that the right-hand pin locates. Secure to the radiator using two of the supplied M8 bolts and washers and then reconnect the boost pipes and tighten the jubilee clips.



13. Refit the right-hand side lower bracket removed in Step 8 so that the large hole in the bracket sits over the right-hand pin on the new intercooler. Then secure it using two of the supplied M6 bolts and washers.



14. Attach the smaller of the two mounting brackets supplied in the kit over the pin on the lower bracket. Then, secure it using the supplied M8 bolt and a Nyloc nut with washers both sides in the same location as the 10mm bolt removed in Step 7.



15. Reattach the left-hand side lower bracket removed in Step 8 so that the large hole in the bracket sits over the left-hand pin on the new intercooler and then secure it using two of the supplied M6 bolts and washers.



16. Now loosen the battery terminals and remove the battery. You can then get access to attach the larger mounting bracket supplied in the kit on the left-hand side in the same way as the bracket in Step 14.



17. Finally, reinstall the battery, the horns, the fan and all panels/trims in the reverse of removal. Check that everything has been installed correctly and that all of the components are fully tightened.

