

## Fitting a Performance Intercooler to a Defender Td5

*NOTE: This guide assumes your defender does not have air conditioning.*

Remove the 8 large screws holding the plastic grille in place. Then remove the grille surround panel, which is held in place with four small screws fastened onto the top panel, and two bolts on either side towards the bottom.



Once the whole grille assembly has been removed, you can undo the two nuts and bolts holding the landing panel support braces to the lower front panel (Bottom Arrows). You now need to remove the studs that hold the landing panel in place (Top arrows). The best way to do this is to first slacken off the nut using a 13mm spanner, then get another M8 (13mm) nut, and lock it tightly against the nut already on the stud (Picture Below). Now undo the inner nut with your spanner, and the stud should wind out completely. Repeat this process with the three remaining studs. Remove the remaining four 8mm bolts from the black side plates and they will then lift off the intercooler locating pegs.



Undo the jubilee clips on both the intercooler inlet and outlet hoses, and pull them off. Also, the Intercooler is bolted onto the top of the radiator with two M8 (13mm) bolts, which you must remove. Once this is done, lift the intercooler off it's retaining holes on the coolant radiator, and pull it out completely.



Once the original intercooler has been removed, you will need to cut a pair of plastic lugs off the coolant radiator. Using a junior hacksaw, remove these lugs so they no longer protrude from the radiator (Pictured above and below).





Your new intercooler should now sit snugly in place, so refit the intercooler hoses. Now you are ready to refit the two black plates over the intercooler front pegs and refit them to the wings using the 8mm bolts. Place the landing panel back into position and replace the four studs loosely. Fasten the brace bars back in place with the bolts. Note that the braces fit on the outside of the lower mounting points, Not the inside as there just isn't the room anymore!





All Finished.

Now take it for a test drive and feel the greatly enhanced torque!

**Td5Alive** [info@td5alive.com](mailto:info@td5alive.com)  
[www.td5alive.com](http://www.td5alive.com)  
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