

APT Defender Winch Bull Bar

Step 1

If you're using guard tops as tool storage, place a blanket on them to protect the paint

Step 2

All Pumas and earlier Defenders that have the protruding air/con grill, this will need to be removed via the four small screws across the top of the fibreglass surround and the two large screws found one on each side 2/3 of the way down the side of the surround



Step 3

Now that you have access to the bolts that retain the factory bumper, you can remove them and keep them for the installation of the APT Defender Winch Bar

Step 4

Remove the factory bumper

Step 5

Below the bumper on the side of the chassis you have tie down eyes, remove both of these

Step 6

Give the chassis a clean if required. (the rubber caps on the front of the chassis dumb irons prevent drainage and can cause serious corrosion so removal or regular cleaning is a good idea)

Step 7

Place the APT Defender Winch Bar in position, drop one of the bumper retaining bolts in the top downward facing holes to stop the bar falling forward and injuring yourself or damaging the bar

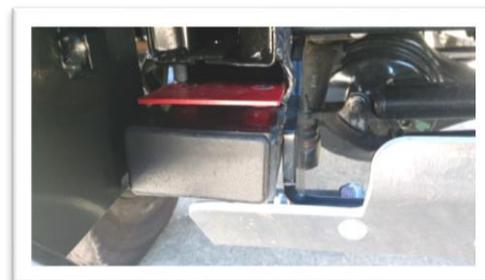


Step 8

Remove the aluminium valance panel with a 6mm allen key to gain access to the mounting system provided

Step 9

Using the red mounting tabs supplied, hold the extended tongue of the red plate with the fixed nuts on the underside. Manoeuvre the plate into the gap on the chassis dumb irons and start all four of the downward facing bolts (reusing the bolts from the bumper removal)



Step 10

The kit was also supplied with 2 off M10 x 120 8.8 zp bolts and nylocs, these can be placed through the factory tie down eyes and then reinstalled through the same existing holes in the dumb irons. The fit should be tight to ensure optimum performance from the bar



Step 11

Once all bolts have been started, tighten them all starting with the four top mounted bolts and then moving to the two side mounted bolts

Step 12

If you're fitting a winch, now is the time to fit the fairlead to the bar. The bolts go from behind the fairlead mounting plate and push forward so the nuts are accessible on the front of the bar



Step 13

Fit the Defender's grill assembly back into position and gently tighten all six screws

Step 14

Place the winch into position, pull the winch cable through the fairlead and connect the winch hook. Bolt the winch in with four bolts supplied in the winch fitting kit

Step 15

Complete the wiring installation for the winch

Step 16

Install your number plate onto the valance panel using the 5mm fixings supplied

Step 17

Reinstall the valance panel making sure the spring washers are still on the M10 button head bolts as they are screwing into a clean cut thread with no retaining compound



Step 18

For best use of the recovery points, use a 4.7T bow shackle

Step 19

Fix a 4.7T bow shackle to the driver side recovery point, attach the winch hook and gently take up the slack on the winch cable

Step 20

Very Important Instruction: Enjoy the bar!



Step 21

After a couple of weeks of enjoying, recheck all the fixings to ensure they are tight