

# Challenger Shelf Unit

I have designed and made a shelf unit for a Conway Challenger, and thought that members may like to use these instructions for their own unit.

Materials requires are:-

- Soft wood (no warps, few knots)
- 3m x 142mm x 20mm
- 4 brass hinges  $\frac{3}{4}$ " width.
- 2 brass cupboard door hinges.
- 2 peg catches.
- 4  $1\frac{1}{2}$ " x No8 brass wood screw
- 4  $1\frac{1}{4}$ " x No8 brass wood screw

Cut wood into 1270mm and 1228mm lengths. 165

Use the off cuts for the ends and supports.

Using the  $1\frac{1}{4}$ " screws assemble the ends, one right handed, one left handed (refer to drawing)

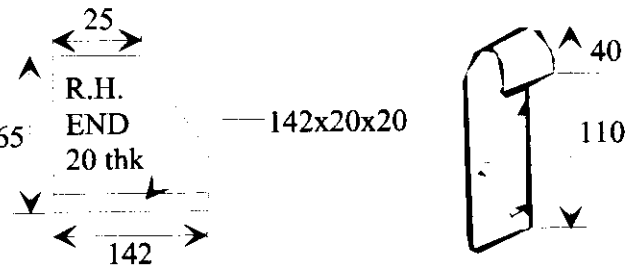
Using  $1\frac{1}{2}$ " screws attach two pieces 130x25x20 to the rear of the back, once each ends. As view from 'A'. Position 4 hinges evenly along the rear edges of the base, (refer to view 'B'). Rebate the hinges and attach base to back. Ensure equal gaps each end.

Using the cupboard hinges attach ends and position catch, (refer to view 'C').

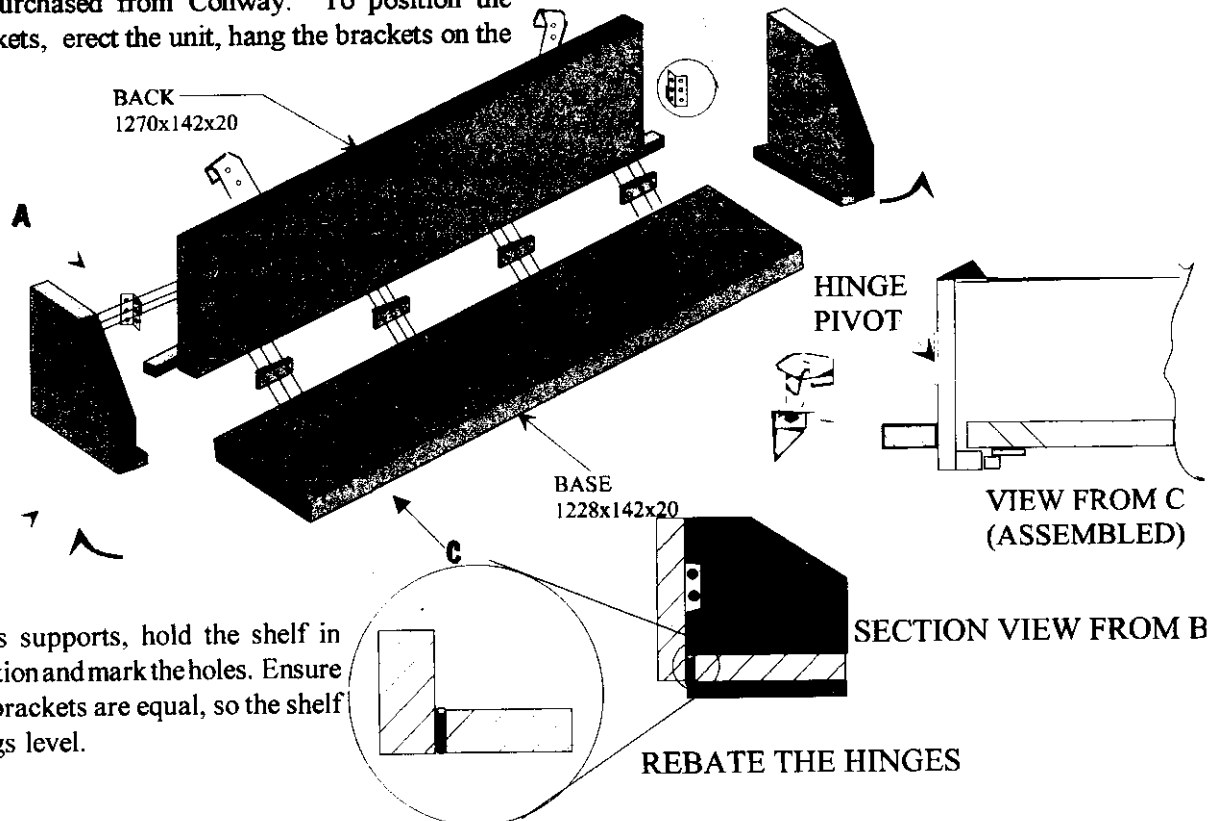
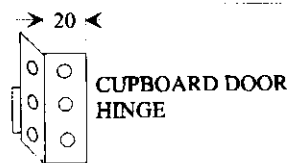
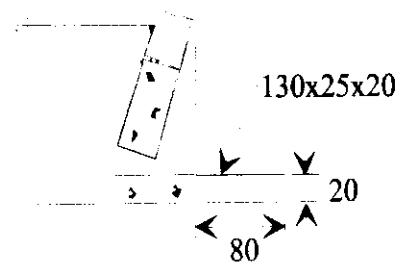
The hanging brackets are made from strips of 40mm x 1.6mm steel, formed around a 1" diameter steel bar, drilled, cut to length and coated in paint which does not mark the canvas. These brackets can be purchased from Conway. To position the brackets, erect the unit, hang the brackets on the

I would also like to take this opportunity to warn owners of the Challenger, about folding the unit without the canvas attached. When the upper bedboard is folded over there isn't sufficient support, which breaks the plywood around the hinge, as I found out to my cost. This is not mentioned in our handbook.

John Bennett



VIEW FROM A



cross supports, hold the shelf in position and mark the holes. Ensure the brackets are equal, so the shelf hangs level.

REBATE THE HINGES