ASSEMBLY INSTRUCTIONS Half Westminster

Video instructions: Helpful video clips are available at

www.garden-products.co.uk/instructions

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Please keep all packaging until installation is complete

Assembly instructions for model: Half Westminster AN2 (1.00m/3'4")

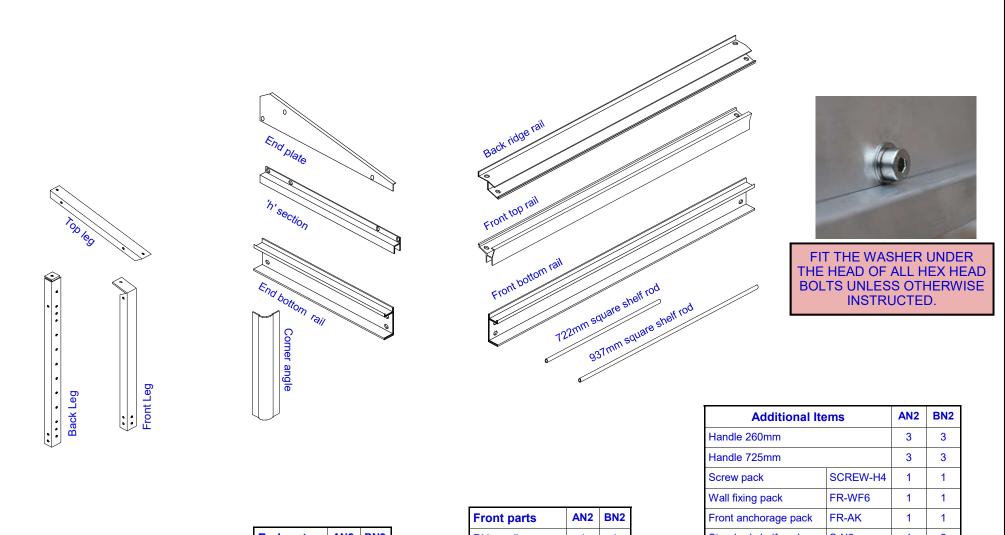
BN2(1.51m/5'0")

Can we improve? We hope that you find our instructions clear and concise. If you have any suggestions for improvements email:

instructionfeedback@gardenproducts.co.uk

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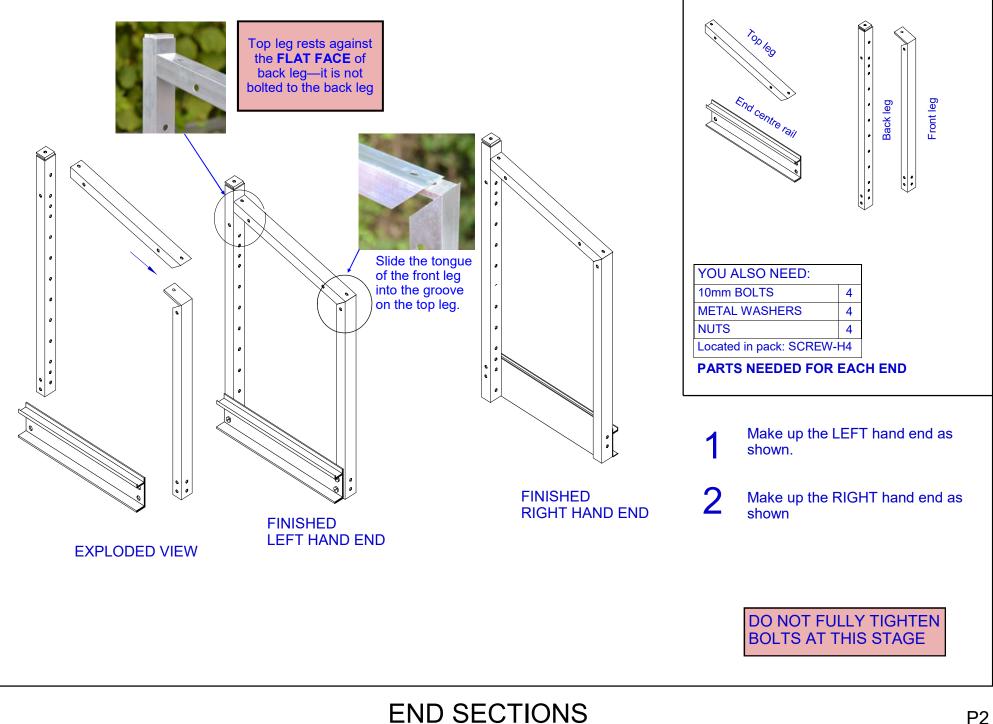
Leg parts	AN2	BN2
Back leg	2	3
Front leg	2	3
Top leg	2	3

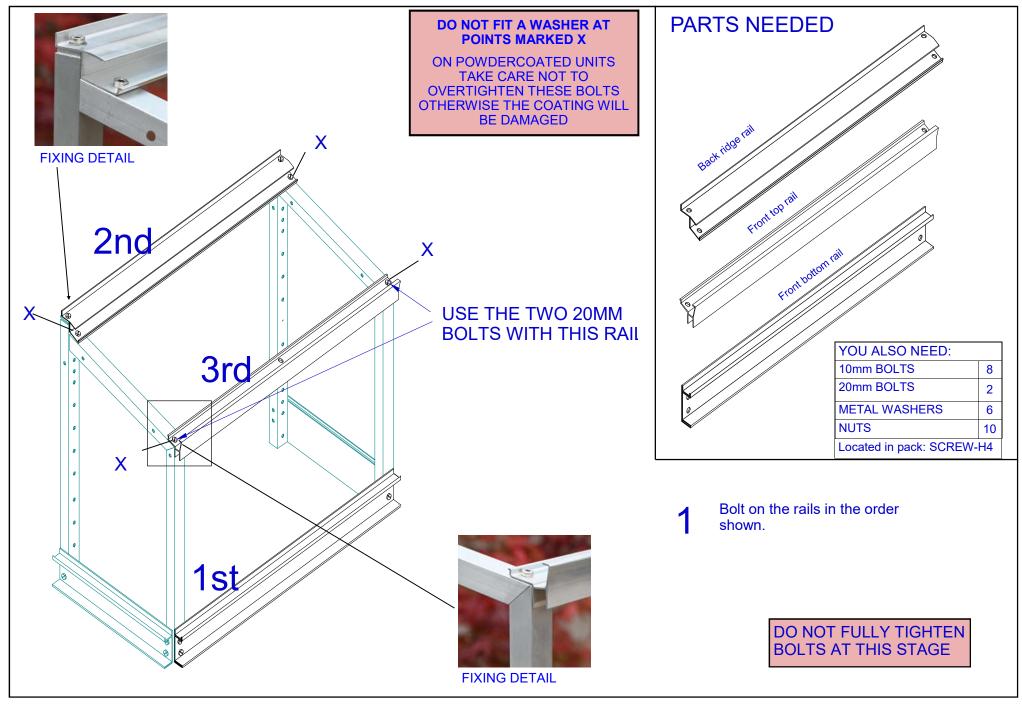
End parts	AN2	BN2
End plate	2	2
'h' section	2	2
Bottom rail	2	2
Corner Angle	2	2

Front parts	AN2	BN2
Ridge rail	1	1
Top rail	1	1
Bottom rail	1	1
722mm shelf rod	0	12
937mm shelf rod	6	0

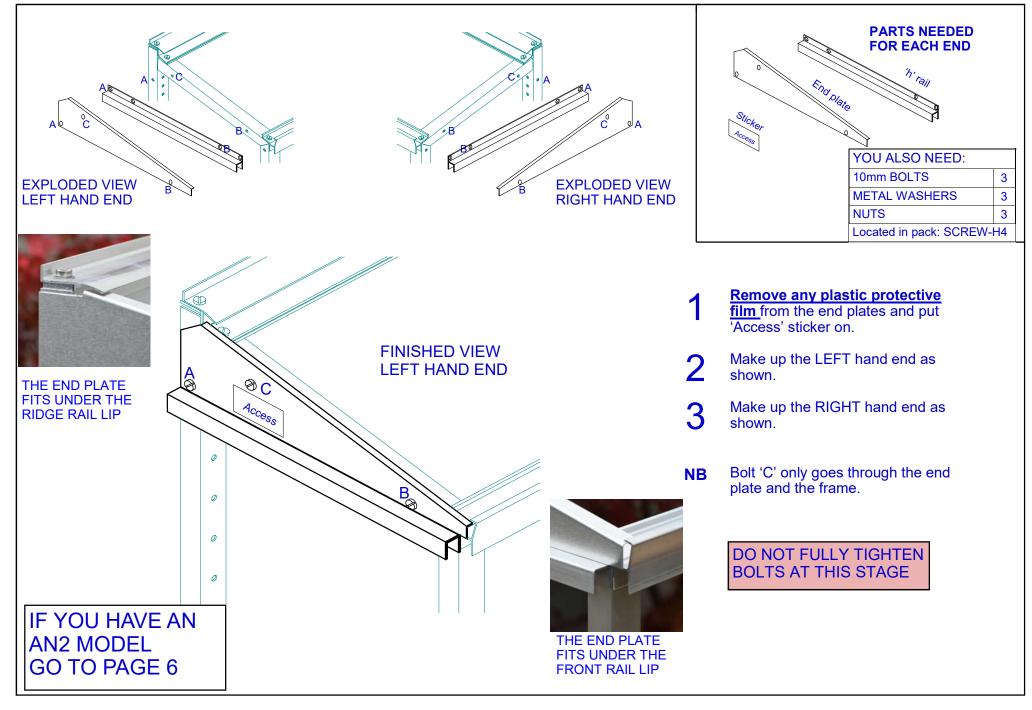
Handle 260mm	3	3	
Handle 725mm	3	3	
Screw pack	SCREW-H4	1	1
Wall fixing pack	FR-WF6	1	1
Front anchorage pack	FR-AK	1	1
Standard shelf pack	S-N2	1	2
Trim pack	TRIM-4	1	1
Black channel liner	W65-5M	1	1
White channel liner	W66-2M	1	1
Allen Key	SCREW-H4	1	1

MAIN ALUMINIUM PARTS

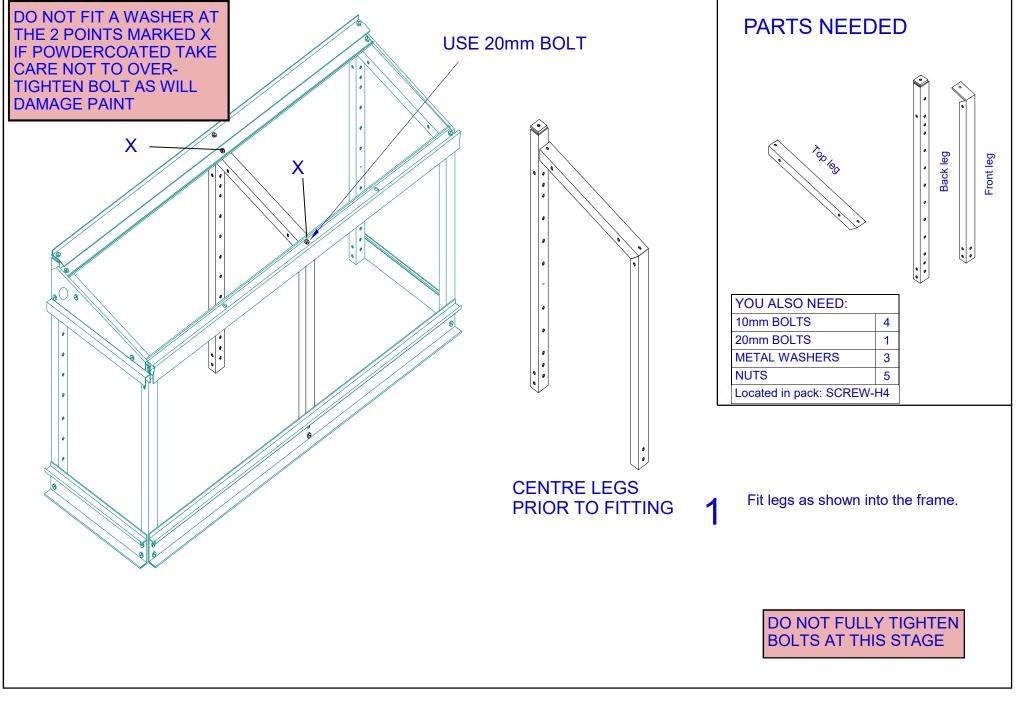




ADDING THE LONG RAILS



END PLATES



CENTRE LEGS — BN2 MODEL

SQUARING THE FRAME

Use a piece of glass to square the unit up as shown. Slacken the nuts if necessary to move the framework into a square position.

IT IS ESSENTIAL TO GET THE FRAME SQUARE. DO NOT ALIGN TO THE WALL AS IT MAY NOT BE SQUARE .

Ensure distance 'A' is equal to distance 'B' otherwise the shelves will not fit. (It may help to assemble one shelf and fit into place.)

Once the frame is completely square tighten up all the nuts.

Remove glass once squaring is complete.

FIXING TO WALL

F

Two hammer fix screws are used in each 'back leg' (pack FR-WF6).

Counting from the floor the screws go in the holes marked 'F'.

Holes 2 & 14

Using a 6mm masonry bit drill, mark the drill at a depth of 65mm. With the unit against the wall, drill through the holes (F) until the mark reaches the hole in the 'back leg'. Push the COMPLETE screw and rawl-plug through the hole in the back leg and into the wall.

Lightly hammer or screw in with a 'phillips head' screwdriver.

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN DRILLING OR HAMMERING FULLY TIGHTEN ALL BOLTS

·R



Front anchorage pack Wall fixing pack FR-AK FR-WF6

FRONT FIXING TO FLOOR

Once the unit has been fitted to the wall the front anchorage kit (pack FR-AK) can be fitted.

Fit the 'L' bracket to the front leg using a nut and bolt.

Drill through the bracket with a 6mm masonry drill bit, to a depth of 35mm. Insert the red rawlplug, through the bracket and into the concrete.

Using woodscrew, screw through the 'L' bracket and into the rawlplug.

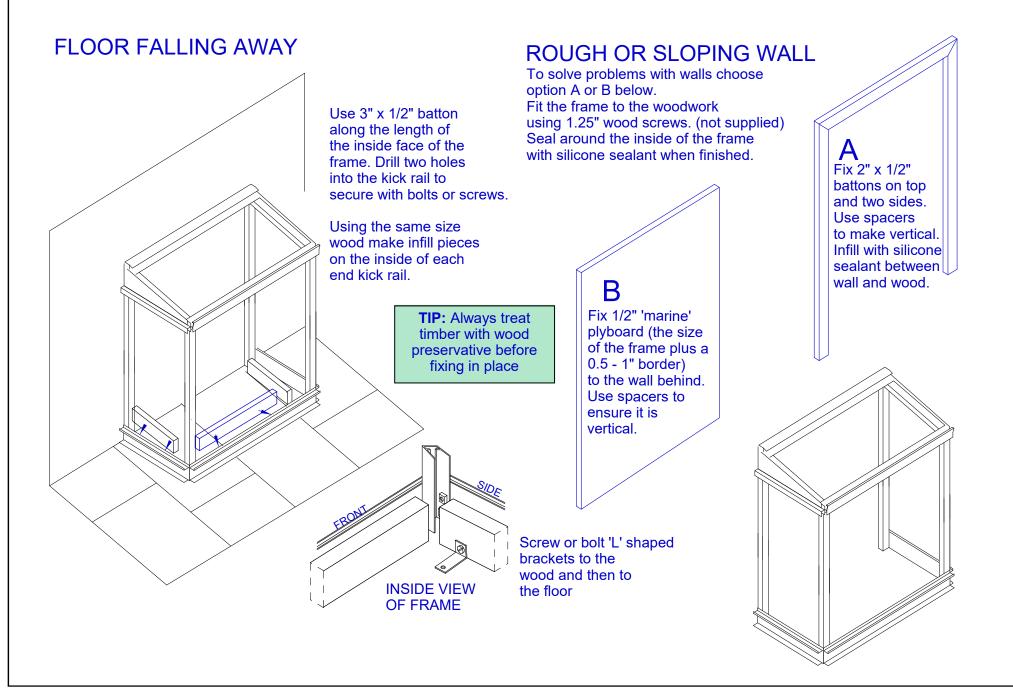
Repeat for other end.

On BN2 models fit an 'L' bracket to the centre leg.

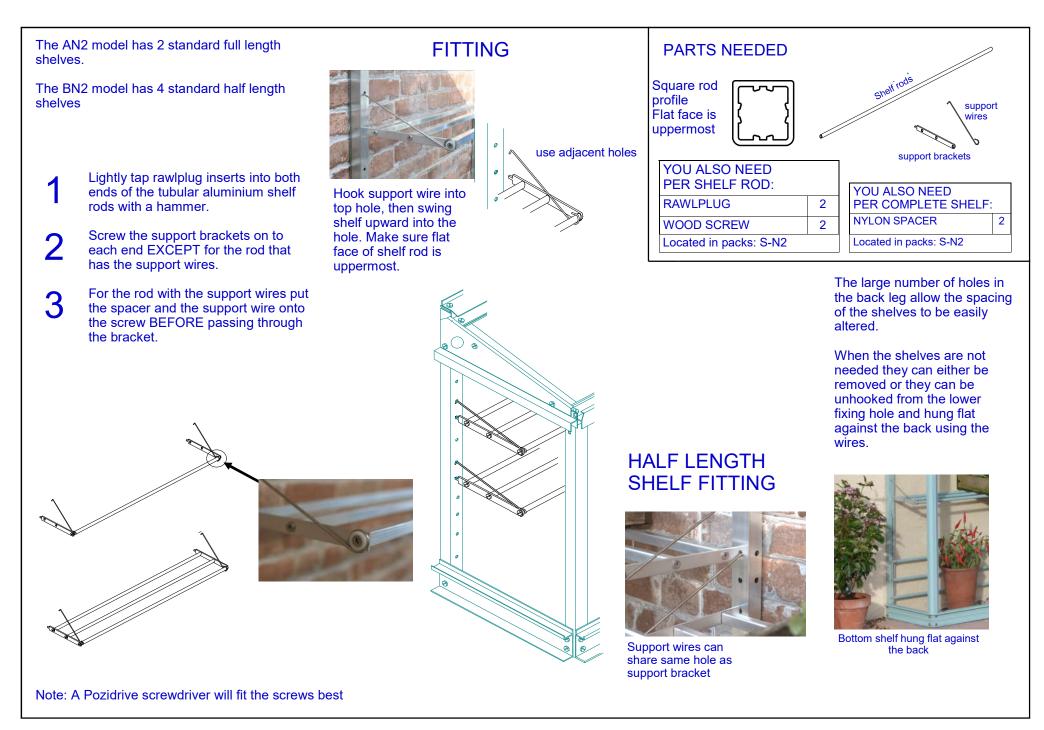


INSIDE VIEW OF FRONT LEG SHOWING FRONT FIXING

SQUARING AND FIXING

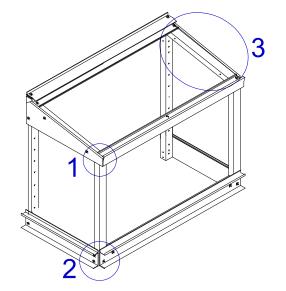


WALL & FLOOR PROBLEMS



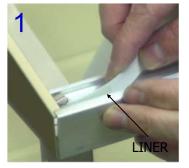
SHELVING

FITTING THE CHANNEL LINER



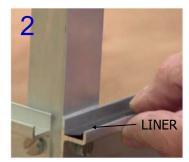
The white liner (W66-2M) fits on the inside <u>vertical</u> face of top FRONT rail only. This is a loose fit so strips of double sided tape are included to secure it until the glass is in place.





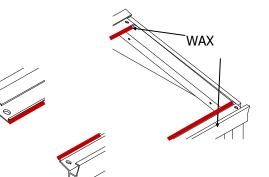
The black plastic liner (W65-5M) goes in the FRONT bottom rail only. Using the strips of double sided tape press liner down so that it LIES FLAT at the bottom of the channel - trim with a knife if necessary.

THE DOORS WILL NOT SLIDE PROPERLY IF THE LINER IS NOT FLAT



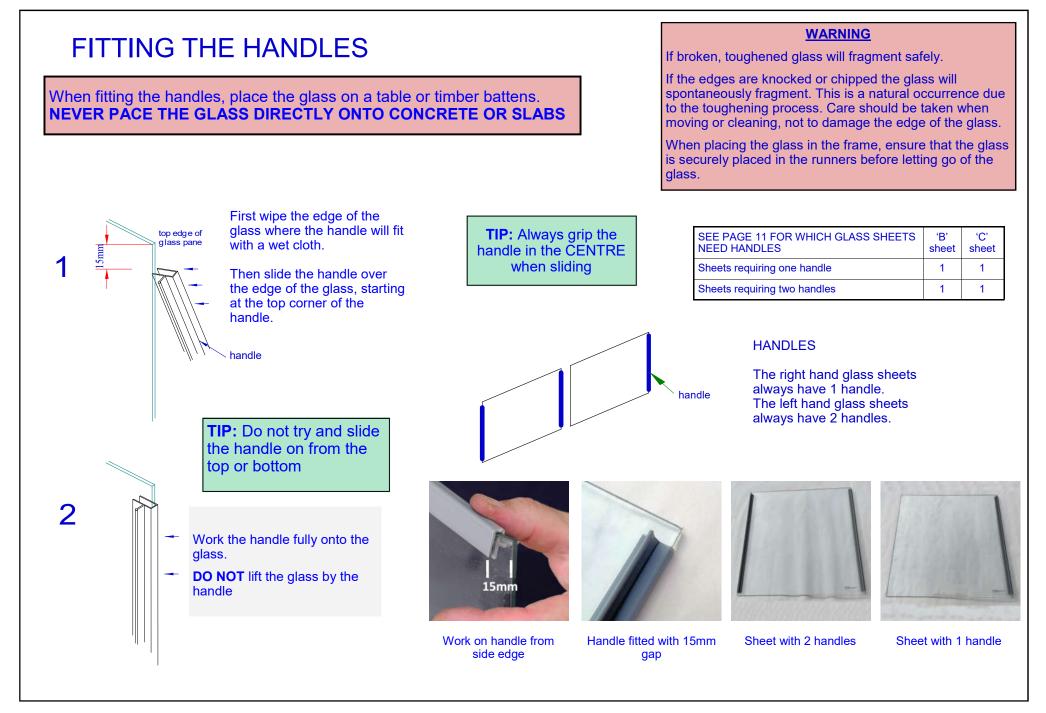
3 To make the top glass slide more easily, rub candle wax onto the glass bearers. Also wax the black and white liners.





Before sticking the tape, clean the aluminium of any oil traces to promote adhesion.

FITTING THE LINER



FITTING THE HANDLES

FITTING HANDLES

Fit the handles to the glass before fitting into the frame. Right hand panels always have a single handle on the right hand side of the sheet. Left hand panels have two handles, one on each side.

FITTING THE GLASS

To fit the glass push the sheet into the deeper top channel, then lower into the bottom channel (A). Make sure the glass is firmly in the bottom channel before letting go. When putting the sheets in the frame, put the first sheet in at the right hand end. The second sheet will fit in front of the first sheet and overlap the first panel by approx. 1" (2cm).

SLIDING THE FRONT GLASS

When closed, both panels will tuck behind the corner trims to keep them secure. Before sliding the right hand panel open, slide the left hand panel open by approx 1" to release it from behind the corner trim.



A. Fitting the glass

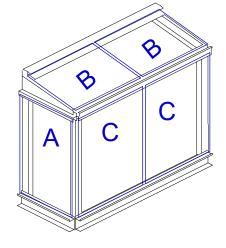


Glass in channel with two sheets overlapping



Roof glass overlapping





AN2 3'4" Half Westminster				
Α	298mm x 750mm	Qty: 2		
В	298mm x 500mm	Qty: 2		
С	750mm x 500mm	Qty: 2		

/estn	ninster	BN2 5'0" Half Westminster			
mm	Qty: 2		Α	298mm x 750mm	Qty: 2
mm	Qty: 2		В	298mm x 750mm	Qty: 2
mm	Qty: 2		С	750mm x 750mm	Qty: 2
End glass (A) has no handles					

BLACK 'WEDGES'

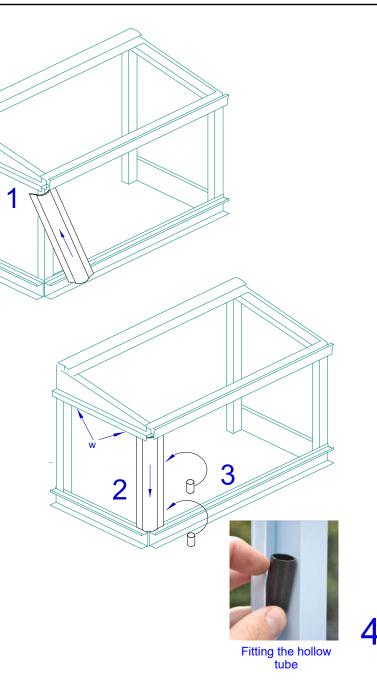
The small black thimble wedges (w) are designed to be pushed into the top channels of the end glass to stop the glass moving. Use two wedges per sheet of glass



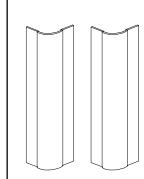
Located in pack:SCREW-P4



Corner trim in place



Aluminium corner trims



You also need: 2 bags marked TRIM-4



PARTS NEEDED

Take one of the corner trims and push it up into the top channel and the 'h' section.

2 Swing the corner trim in so that it is vertical and drop it into the channel below. At this point the trim will be loose.

3 Slide the front glass door out of the way. Take one of the hollow tubes contained in the pack marked 'TRIM'. From the front of the frame, push the tube between the framework and the corner trim. Slide the tube downwards as far as it will go.

Insert a second hollow tube and repeat the action, but this time push the tube up as far as it will go.

These tubes keep the corner trim firmly in place, and act as a stop for the sliding doors.

Repeat for the other corner.

FITTING THE CORNER TRIM

CORNER TRIMS WILL NOT FIT	The most common cause of this problem is the end glass protruding over the front leg. This is normally caused because the frame work is not square against the wall. See page 6.
GLASS STICKS TOGETHER	This is normally due to the handles not being put on the right side of the glass. See page 10 for details of where the handles should be fitted to the glass. If the glass has stuck together, push the two sheets to the back of the channel, then slowly pull the front sheet of glass forward from one end. This will release the suction between the sheets.
HANDLES COME OFF	As the handles are of a clamp design they can be pulled off if too much force is applied to them. If the glass has stuck together due to moisture, or if the glass does not slide smoothly, this will strain the clip part of the handle and cause it to come off. Ensure that the channels and the glass are kept clean at all times to minimise the sliding force needed. Candle wax applied to the channel and the underside of the glass will also help the sliding action. Also check that the handles have been fitted correctly. See page 10 for full instructions. If handles come off frequently either purchase some new handles from Access or use a glue such as 'liquid nails' or 'no more nails' to permanently glue the handles to the glass.
SHELVES WILL NOT FIT INTO THE BACK LEGS	Check that the back legs have been fitted the right way round - see page 2. Check that dimension A = B - see page 6.

PERIODIC MAINTENANCE

Every Spring take the glass out of the greenhouse and wash glass and framework with warm soapy water. Lubricate the automatic louvre vent bi-monthly and remove if subject to very heavy frosts. When inserting the glass, always check that the glass is properly seated in its top and bottom channels before letting go of the sheet.

CHECK THE TIGHTNESS of all bolts regularly, especially in very windy areas or powder coated frames.

CROP ROTATION Suggestions for suitable crops and sowing dates given in the free Access Growing Guide

VENTILATION In cold weather gentle ventilation can be given by sliding the four front sheets of glass to give 2-3" (5-8cm) gap at each corner.

In warmer weather allow a gap on the top sheets as well. In very hot weather open all the sheets of glass.

To ensure that the correct temperature is maintained use a thermometer inside the greenhouse. You can completely remove the top sheets in summer. Access shading will help keep temperatures down, and stop birds etc getting inside. The Access Automatic Vent will look after ventilation - automatically!

GALES The greenhouse must be kept fully closed in rough weather.

GLASS CHANNELS Ensure that this is kept free from debris and allows the glass to slide smoothly. Periodically lubricate the running edge of the glass with a wax candle.

SNOW If snow is very heavy - avoid letting it build up on the roof

SHELVING Stand pot plants on saucers, or use optional shelf covers which incorporate a layer of capillary matting to absorb excess water when watering. Alternatively, stand the pots in empty seed trays.

SITING Site on the sunniest place available. Anything from East through South to West is suitable. If it has to face North, don't despair, it will be warmer in than outside! If you can fix to a brick or stone wall, you will get extra heat storage during the day.

REDUCING THE LENGTH If it is just too long for your ideal spot, it can be shortened. Re-drill the holes at one end of the rails - moving them in by the amount you need to remove. Hacksaw off the surplus aluminium and shorten the shelf rods and irrigation pipe. The glass will merely overlap more - don't try to cut toughened glass!

NOTES ON USING YOUR FRAME