ASSEMBLY INSTRUCTIONS City Growhouse

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Video instructions: Helpful video clips are available at

www.garden-products.co.uk/instructions

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

> > Access Garden Products Crick NORTHAMPTON NN6 7XS

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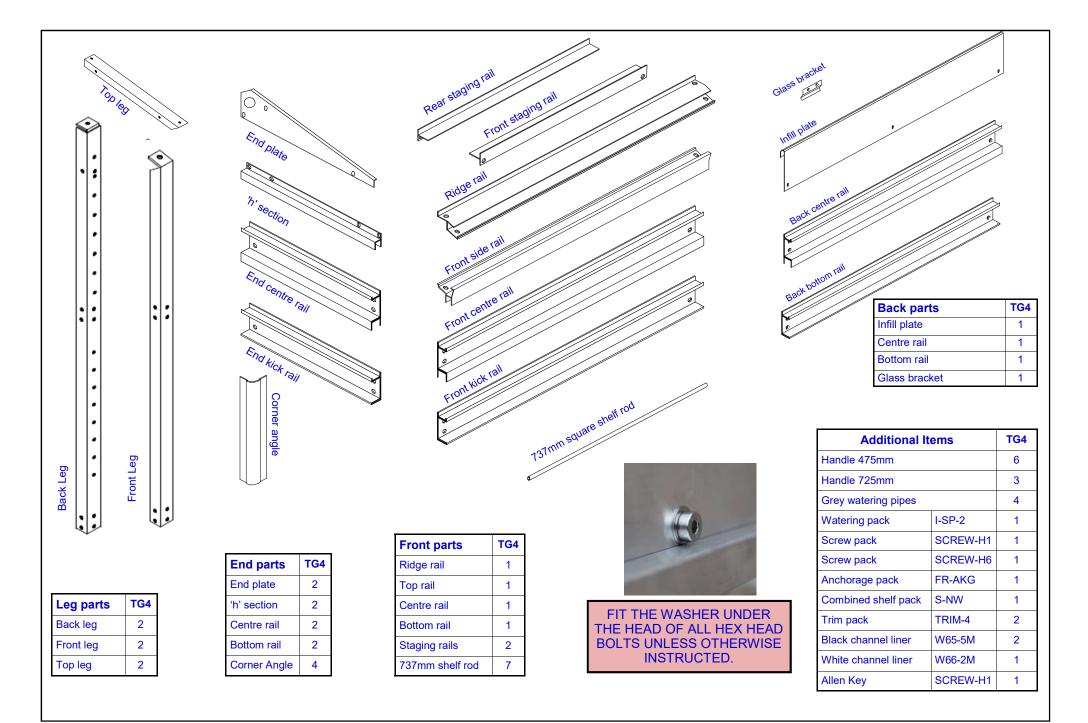
Please keep all packaging until installation is complete

Assembly instructions for model:

City Growhouse

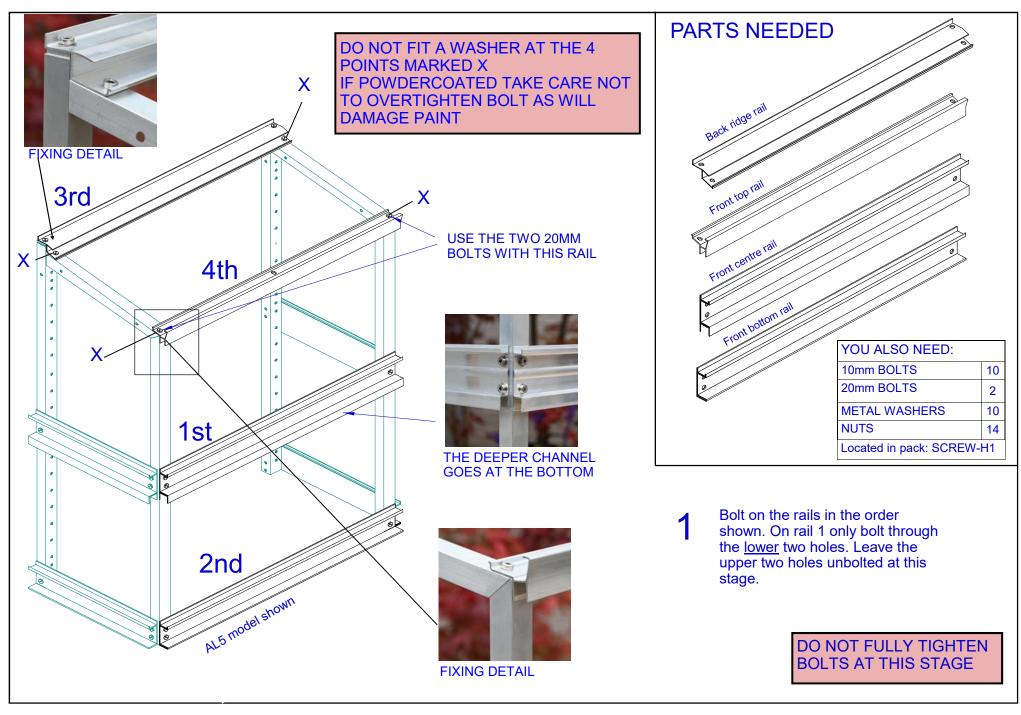
TG4(0.80m/2'8")

Date:June 2023 Rev 6 File: TG4

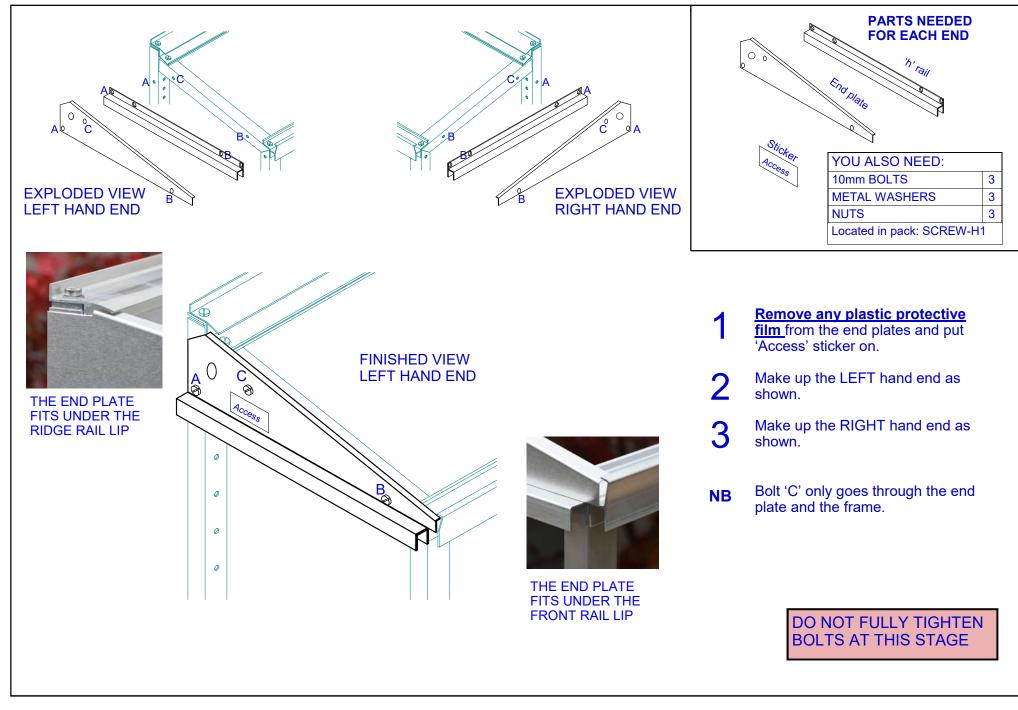


MAIN ALUMINIUM PARTS

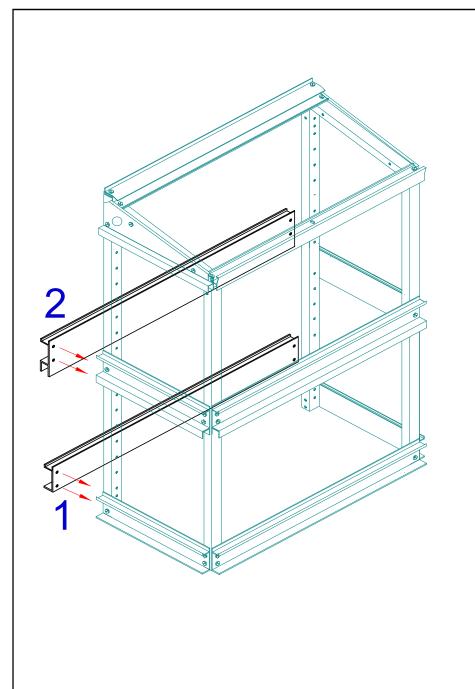
Top leg rests against the **FLAT FACE** of Top leg back leg-it is not bolted to the back leg End centre rail ind bottom rail Front leg Back leg :: : : Slide the tongue of the front leg into the groove on the top leg. YOU ALSO NEED: 10mm BOLTS 8 METAL WASHERS 8 NUTS 8 Located in pack: SCREW-H1 ; ; ; PARTS NEEDED FOR EACH END a Make up the LEFT hand end as shown. DEEPER CHANNEL AT BOTTOM Make up the RIGHT hand end as 2 shown FINISHED **RIGHT HAND END** DO NOT FULLY TIGHTEN **FINISHED** BOLTS AT THIS STAGE LEFT HAND END **EXPLODED VIEW**



ADDING THE LONG RAILS



END PLATES





Back bottom rail: Put a metal washer on the bolt and push the 40mm bolt through the bottom rail. Push a 20mm nylon spacer on to the bolt BEFORE passing the bolt through the frame and fit a nut. Repeat on other holes.

Back centre rail: Put a metal washer on the bolt and push the 40mm bolt through centre rail **lower** holes. Push 20mm nylon spacer on to bolt BEFORE passing the bolt through the back leg then fit a nut.



Nylon spacer on bolt

DO NOT FULLY TIGHTEN BOLTS AT THIS STAGE

CENTRE & LOWER BACK RAILS

4

2

PARTS NEEDED

YOU ALSO NEED:	
40mm BOLTS	4
METAL WASHERS	4
20mm NYLON SPACERS	4
NUTS	4
In pack: SCREW-H6	



Front rail: Put a metal washer on the bolt and push the 40mm bolt through the centre rail **upper** holes. Slide on nylon spacers, then the front staging rail before refitting the nuts.

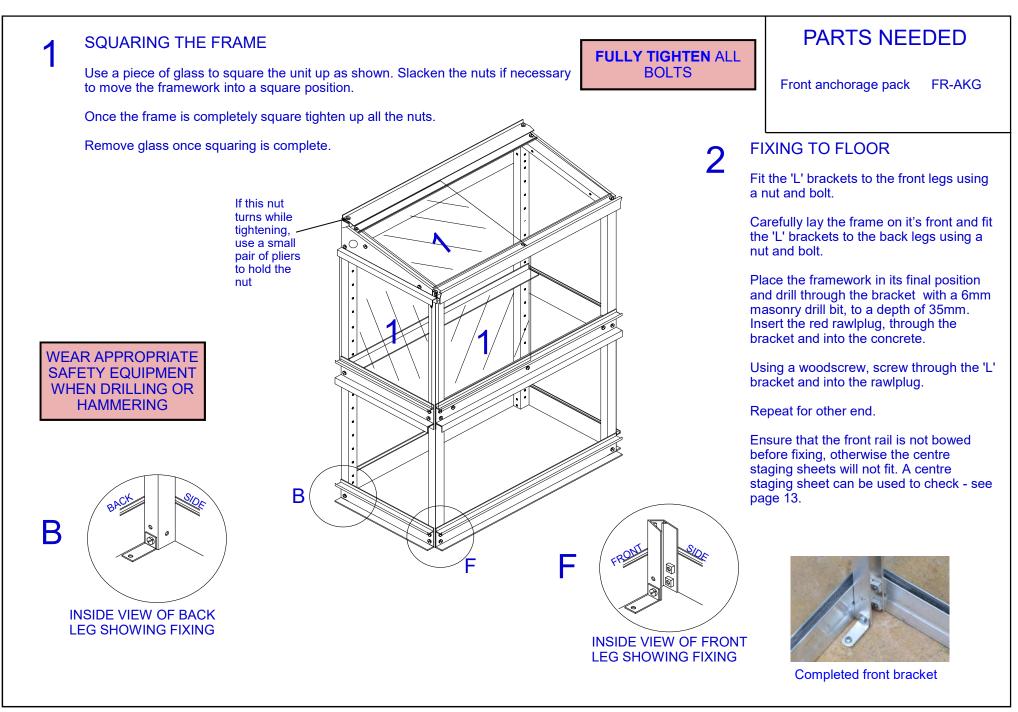
Back rail: Put a metal washer on the bolt and push the 40mm bolt through the centre rail **upper** holes. Push 20mm nylon spacer onto the bolt before passing the bolt through the back leg. Fit the support onto the bolt then fit a nut.

CENTRE STAGING RAILS

Centre staging rails must have fixing bolt holes on the

underside

HOLE BOBSCURED



SQUARING AND FIXING

Remove the plastic protective film from the infill 2 plate and end glass bracket. Put a metal washer on the 10mm bolt which goes В through the infill plate from the outside at hole 'E'. Put a 3mm 00 white spacer on each bolt before pushing on the glass 201 bracket, then fit the nut. Glass bracket is INSIDE frame and will clamp onto the glass once Α the glass is in place. Infill plate

Completed bracket inside Growhouse

White spacers on

infill plate

Place the lipped section over the upstand on the back rail. Push a long 40mm bolt and metal washer through hole A, then fit a white 3mm spacer and a 20mm nylon spacer. Push the bolt into the frame and fit a nut on the inside of the frame. Repeat for hole B at the other end.

Glass bri

2

4

4

2

2

PARTS ALSO NEEDED

Located in pack: SCREW-H6 and H1

PARTS NEEDED

10mm BOLTS

40mm BOLTS METAL WASHERS

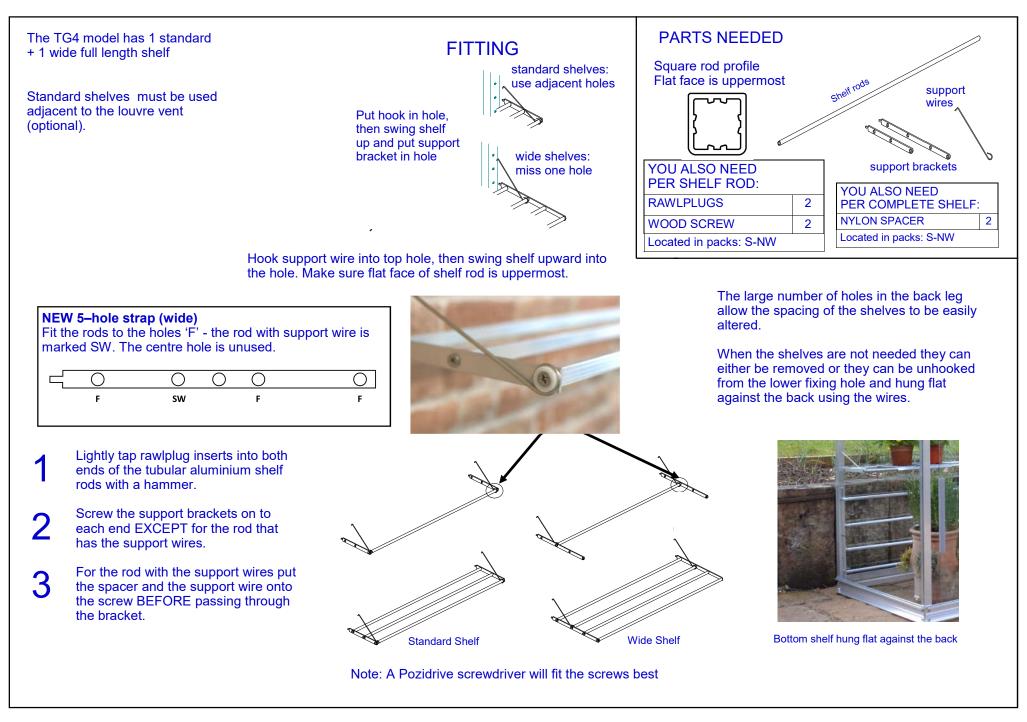
20mm WHITE SPACERS

3mm WHITE SPACERS

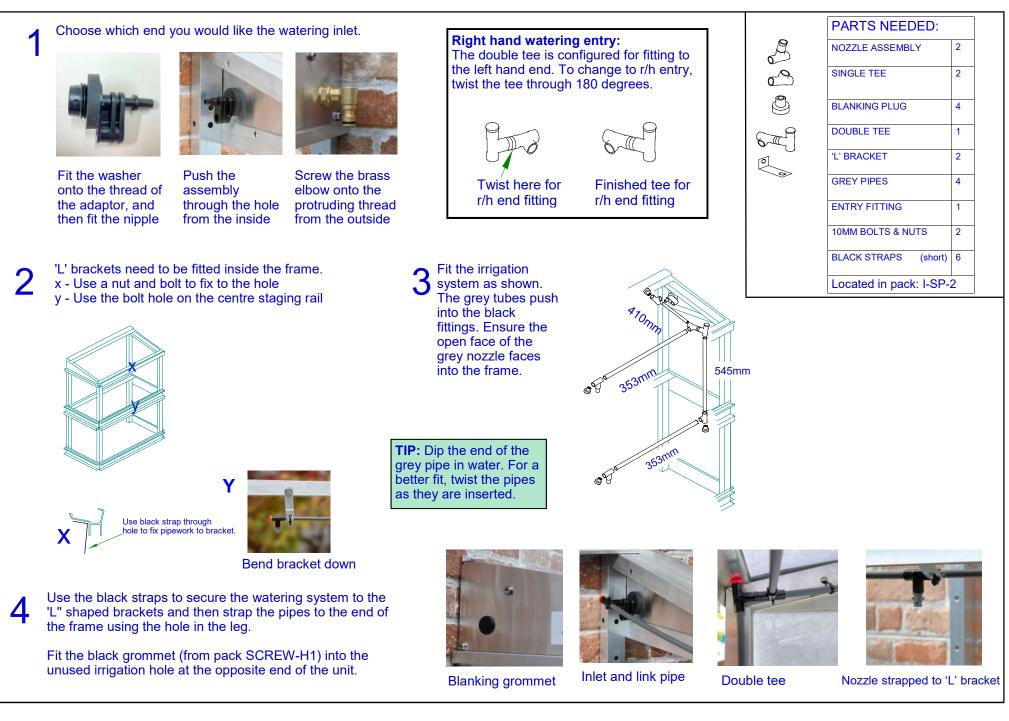
NUTS

2

TOP BACK RAIL

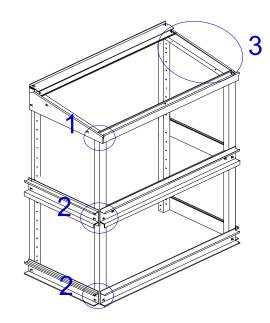


SHELVING

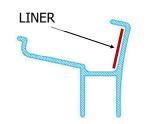


WATERING

FITTING THE CHANNEL LINER



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



1

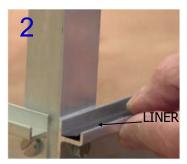
2

3



The black plastic liner (W65-5M) goes in the FRONT and REAR bottom and centre rails 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.

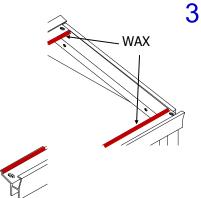
THE DOORS WILL NOT SLIDE PROPERLY IF THE LINER IS NOT FLAT



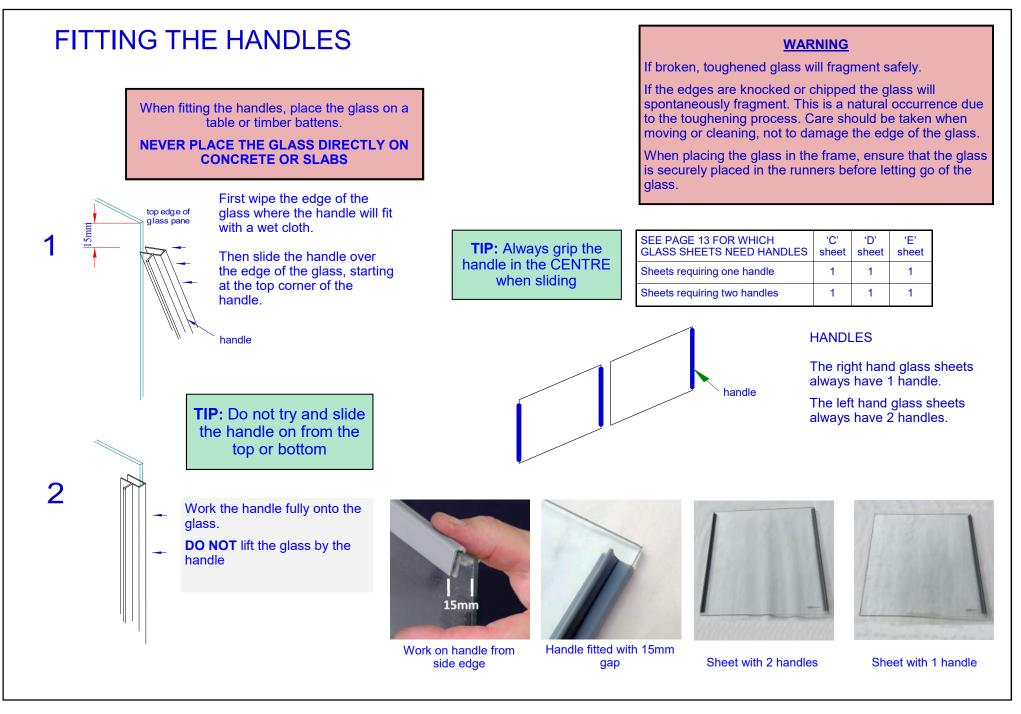
To make the top glass slide more easily, rub candle wax onto the glass bearers. Also wax the black and white liners.







FITTING THE LINER



FITTING THE HANDLES

CENTRE STAGING

If you wish to fit the staging glass (453mm x 353mm) sheets place these on the centre staging rails before glazing the frame. Centre staging is in glass packs GT-TG2.

FITTING HANDLES

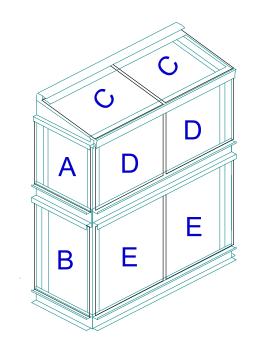
Fit the handles to the glass before fitting into the frame. Right hand panels always have a single handle on the right hand side of the sheet. Left hand panels have two handles, one on each side.

FITTING THE FRONT & SIDE 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.



FRONT & SIDE GLASS		
Α	500mm x 500mm	Qty: 2
В	750mm x 500mm	Qty: 2
С	500mm x 400mm	Qty: 2
D	500mm x 400mm	Qty: 2
Е	750mm x 400mm	Qty: 2
End glass (A & B) have no handles		



Roof glass overlapping



Centre staging fitted



A. Fitting the glass



Glass in channel with two sheets overlapping

FITTING THE FRONT & SIDE GLASS

BLACK 'WEDGES'

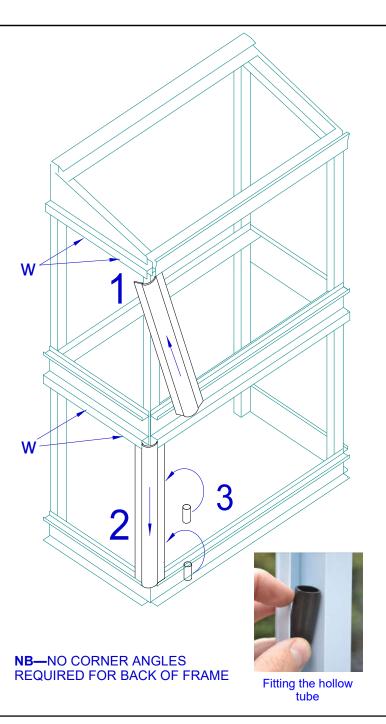
The small black thimble wedges (w) are designed to be pushed into the top channels of the end glass to stop the glass moving. Use two wedges per sheet of glass

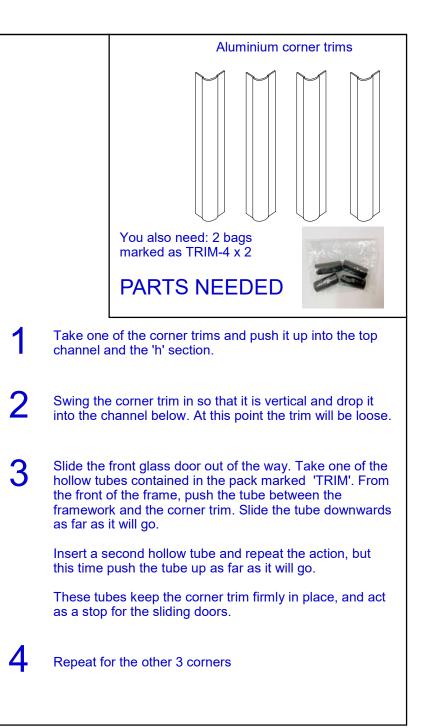


Located in: ALL SCREW PACKS

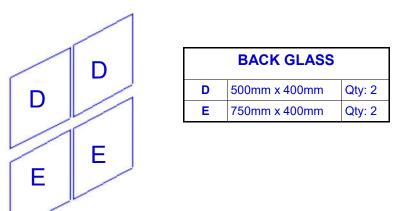


Corner trim in place





CORNER ANGLES (FRONT ONLY)



TOP BACK GLASS

Slacken the four infill plate bolts and gently slide the first sheet in from the rear corner. Gently slide the other sheet in from the other end. The two sheets will overlap in the centre, behind the glass bracket (B). Carefully retighten the bolts. Fit a ring wedge (F) into the bottom glass channel - 1 per sheet.

BOTTOM BACK GLASS

Fit the glass using the same method as the front glass. In the centre of each pane, push a black thimble shaped wedge into the top glass channel to prevent the glass rattling (D). Fit a ring wedge (F) into the bottom glass channel - 1 per sheet.

glass glass



B. Top back glass overlap detail

B. Glass bracket



D. Thimble wedge



F. Ring wedge

FITTING THE BACK GLASS

	The most common cause of this problem is the end glass protruding over the front leg. This is normally
CORNER TRIMS WILL NOT FIT	caused because the frame work is not square against the wall. See page 7.
	This is normally due to the handles not being put on the right side of the glass. See page 12 for details of where the handles should be fitted to the glass.
GLASS STICKS TOGETHER	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.
	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.
HANDLES 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 12 for full instructions.
	Handles can be rejuvenated by placing them in hot water, cleaning them carefully, then squeezing the clip together while the plastic is still warm. Leave to cool before fitting.
	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 7.
LOUVRE VENT DOES NOT FULLY CLOSE ON	Loosen the two screws which hold the automatic opener to the vent. Push the opener up as far as it will go. Retighten the 2 screws.
COLD DAYS	If the unit still does not fully close, lubricate the opener mechanism and all the pivot points with WD-40
GLASS FALLS OUT OF THE LOWER LEVEL	Ensure that the centre rail has the deeper channel at the bottom.
WATERING INLET LEAKS	Try tightening the inlet fitting as it needs to be tight to seal.

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.

CENTRE STAGING To accommodate tall plants slide one sheet over another or lift out completely.

WATERING SYSTEM The system accepts standard quick connectors. Turn the tap on slowly until the mist fills the greenhouse; too much pressure will throw water on to the back wall. Leave on for 5 minutes, or ½ minute for damping down.

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!