

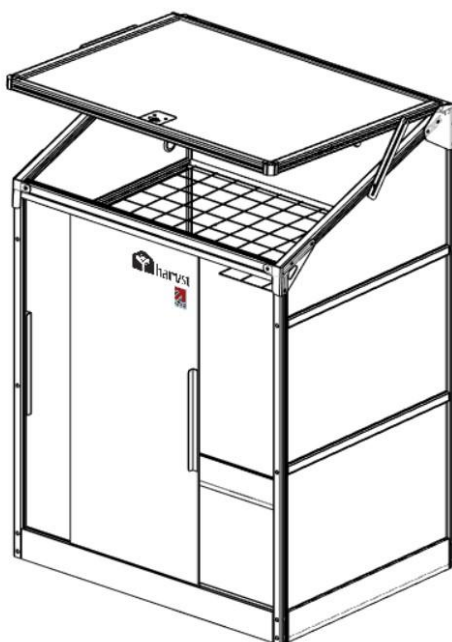


Setup guide

Model S6

Greenhouse only

V4 / From February 2023



If you have a Smart Sprout please also use the smart setup guide whilst assembling your S10

Thank you for buying a Harvst Sprout mini greenhouse.

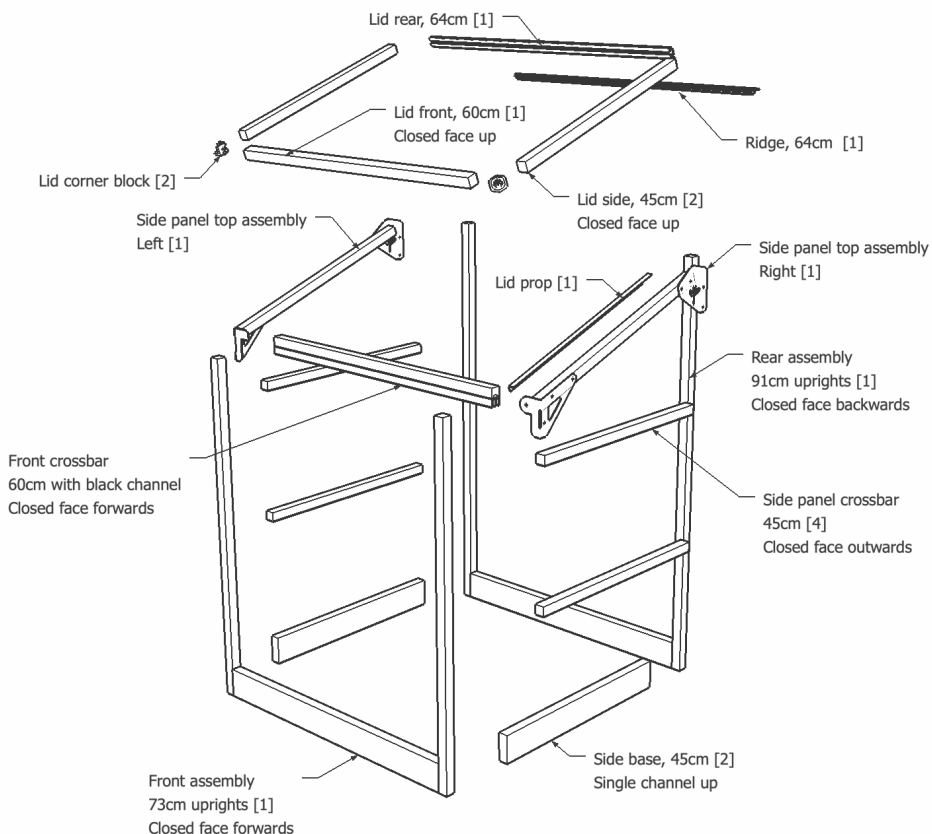
If you have any questions while setting up, send us an email (help@harvst.co.uk) or check out our forums:

<https://grow.harvst.co.uk>

Important information

Sprout Mini Greenhouses are intended for outdoor use and should be secured to a fence or wall with the provided fixings. Harvst accept no liability for incorrectly used products.

Exploded diagram



Tools provided

3mm allen key
8mm spanner
Pozidrive screwdriver

Tools required (not supplied)

Tape measure to identify parts
Secateurs for cutting pipe

Parts list (aluminium pieces)

We've fitted the front and rear uprights to the base parts for you, to save time and help you get started. We've also pre-fitted screws into bars, where required.



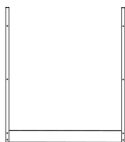
450mm **x2**
Lid sides, **with corner cubes**



600mm **x1**
Front crossbar



450mm **x4**
Side panel crossbar
2 pre installed screws per piece



Front assembly **x1**
728mm uprights
600mm base



Rear assembly **x1**
910mm uprights
600mm base



600mm **x1**
Lid front



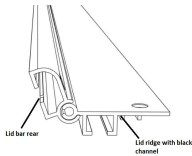
Door handles **x2**



610mm
Shelf supports **x2**
4 season kits will have a
LED shelf support bars

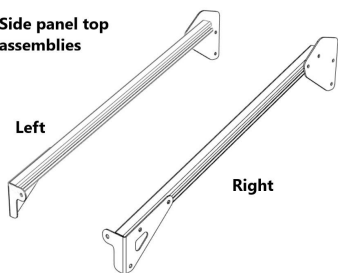


450mm **x2**
Side base parts with screws



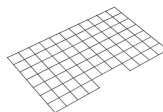
1250mm two part lid hinge
x1

Side panel top assemblies



Side panel top assembly **x2**
One left and one right

Top mesh panel **x1**



Fixings and small parts



M5 x 8mm **x12**



M5 x 10mm **x10**



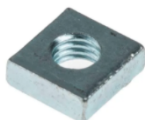
M5 x 16mm **x2**



M5 x 30mm **x2**



M5 Nyloc **x6**



M5 square nut **x23**



4.5 x 30 countersunk
head screws **x2**



4.5 x 30 dome head
screw **x2**



Blanking plug **x10**



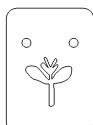
M5 washer **x2**



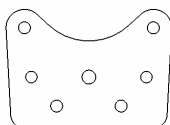
Fixing bracket **x2**



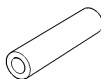
10cm cable ties **x20**



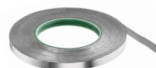
Lid top plate **x1**



Adapter plate **x1**



4mm tubes for
shelving
90mm **x2**
190 **x2**



Roll of foil tape



3mm allen key



Screwdriver

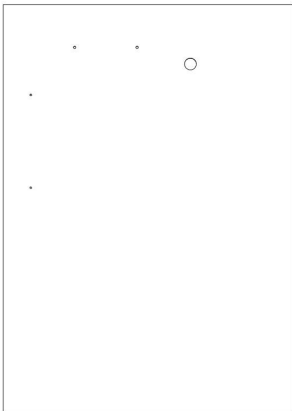


8mm spanner

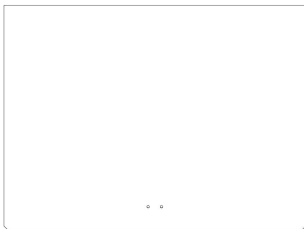


O-ring **x2**

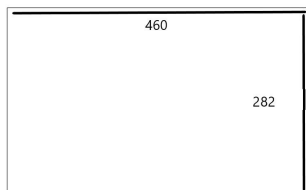
Panels



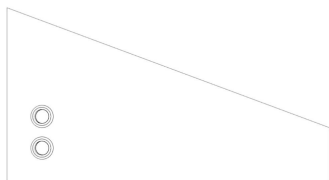
Black rear panel **x1**



Clear lid panel **x1**

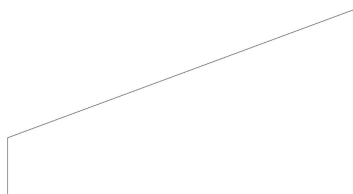


Clear side panels **x 8**



Clear side top panel - left **x1**

Note: Holes for piping



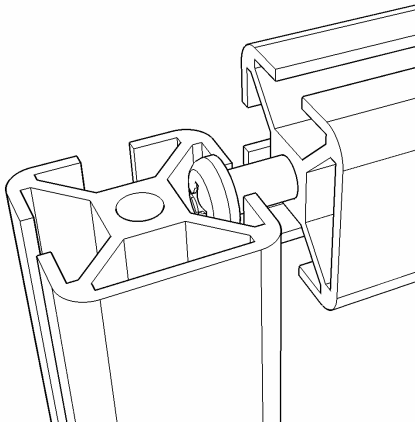
Clear side top panel - right **x1**



Door pair **x1**

Introduction - slotting parts together

The greenhouse is based on parts that slot together using stainless steel screws, as shown in the diagram below. These are self tapping screws which require a little bit of force to get them fully seated.



Ensure that your screwdriver is fully engaged with the screw head when you tighten, so that you don't round off the head of the screw.

Note the orientation of each piece in the description; specifically the closed face.

Every care has been taken during manufacture to avoid sharp edges or burrs, however you should still take care when handling metal parts.

WARNING DO NOT USE POWER TOOLS TO SCREW IN THE SCREWS. YOU MIGHT SNAP OFF THE HEAD, WHICH IS NOT COVERED BY WARRANTY.

Step 1 - Seal the polycarbonate panels (optional)

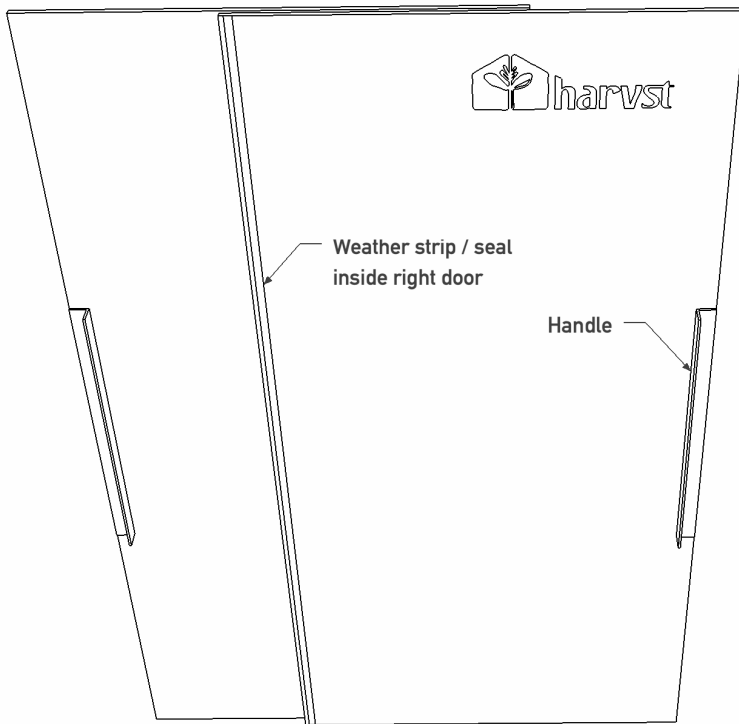
Twin wall polycarbonate panels act like double glazing for your mini greenhouse, and to improve the insulation characteristics, it is good to seal the ends of the channels using the provided foil tape. It also helps prevent bugs from crawling into the plastic.

1. Peel back a couple of inches of the protective foil which covers both sides of the panels, but don't take it all the way off yet.
2. Apply the tape to the end of the panel, covering the flutes.
3. Fold down the sides to seal the tape to the panels.

The white film is on the UV protected side which should face out when you place the panels into the greenhouse.

Step 2 - Fit the door handles

Do this step first to allow the adhesive tape to cure before fitting the doors at the end.



Parts

2 x door handle

1 x door pair

Fix the door handles to the doors as shown in the drawing above, using the tape fixed to the handles.

Make sure you have peeled the protective film off the doors first, that the surfaces are clean, dry and free from grease, and that the UV treated side of the door panels (white film) faces out.

Step 3 - Assemble the base

Parts:

1 x front assembly

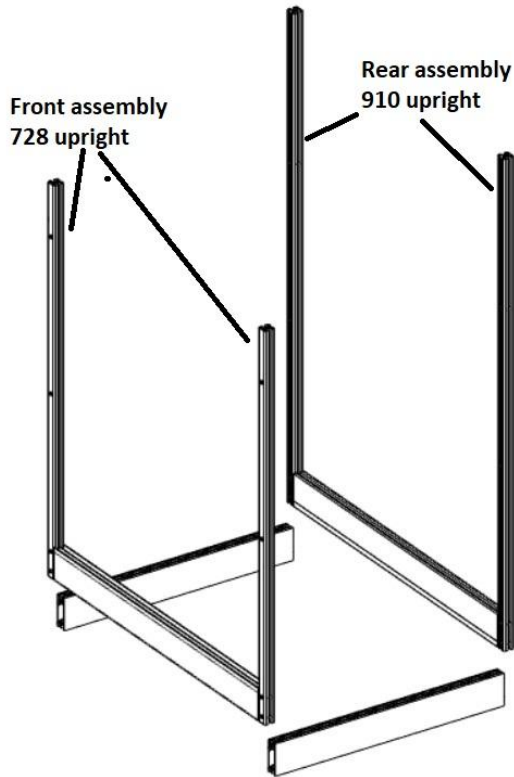
1 x rear assembly

2 x side base 45cm

This step is best done on a flat surface where you can easily access the screws at the bottom, such as a table or workbench.

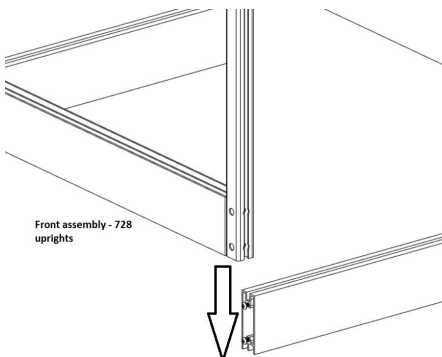
The closed faces on the assembly uprights face **outside** the greenhouse.

Place the two side bases with the single channel facing up.



Slot the front assembly over the screws on the side bases and tighten the screws.

Do the same for the rear assembly.



Step 4 - Insert square nuts into cross bars

Parts

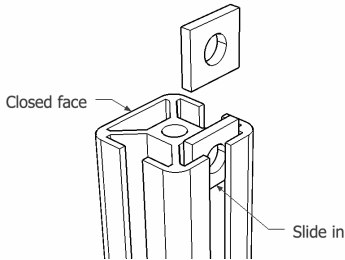
2 x side cross bar 45cm

2 x M5 square nut

Insert one square nut into the inside channel of each cross bar that will go on the **left** side of the greenhouse.

The inside channel is the one opposite the closed face.

These nuts are for irrigation parts which you may or may not add in the future.



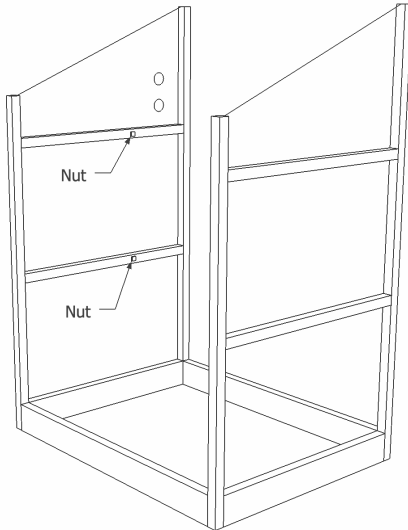
Step 5 - Insert the side panels and side cross bars

Parts:

4 x clear side panel

4 x side cross bar 45cm, two with nuts

Peel the protective plastic off *both sides* of two side panels, remembering which side had the white film.

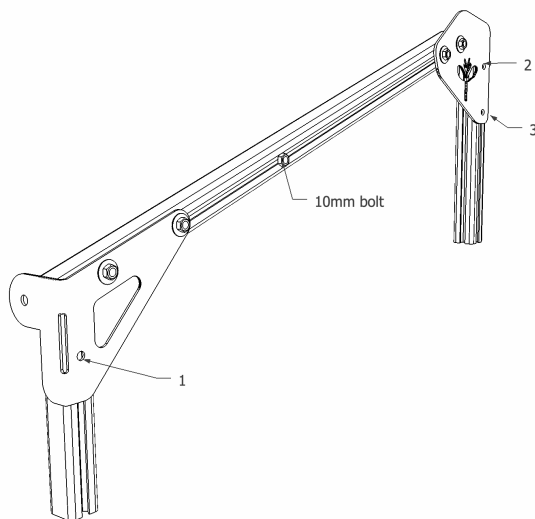


The side with the white film should face outside; it is the UV treated side.

Insert the bottom two clear side panels.
Slide a bar with square nut in the inside channel over the left panel.
Slide a bar without a nut over the right panel.
Tighten the screws.

Finish inserting all the side panels and cross bars in the same way.

Step 6 - Fit the right side top assembly



Parts:

1 x Right side top assembly

3 x M5 * 8mm button head bolt

3 x M5 square nut

1 x M5 * 10mm button head bolt

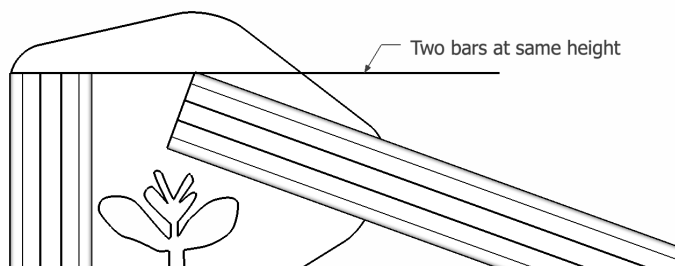
Insert the 8mm bolts into the assembly in positions marked 1,2,3, and add the square nuts on the inside, loosely.

Slide the assembly down over the side panel, inserting the square nuts into the outer channels on the uprights.

Screw the 10mm bolt into the lower square nut which is already in the outside channel of the assembly and tighten by hand. This will form part of the storm lock (see end of guide for more info.) **Ensure the second square nut in the channel is further up towards the rear of the extrusion.**

The front end goes down as far as it will go, and the rear end is flush with the top of the rear upright (see drawing).

Tighten the bolts.



Step 7 - Fit the **left** side top assembly

Parts:

- 1 x Left side top assembly
- 3 x M5 * 8mm button head bolt
- 3 x M5 square nut

Repeat step 6 for the left hand side top assembly

Step 8 - Fix lid lifter bracket to adapter plate

This step is only relevant if you have purchased an automatic lid opener.

Parts in Lifter Box :

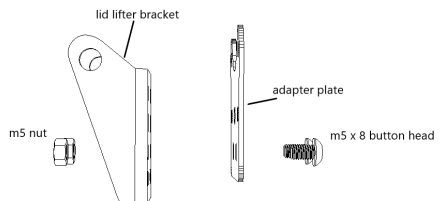
- 1 x Piston Clip (end of box)
- 1 x Piston
- 1 x Arm
- 1 x Lifter Bracket

The *lid lifter bracket* is in the lid opener box.

Parts:

- 1 x lid lifter bracket
- 1 x adapter plate
- 2 x M5 x 8mm button head
- 2 x M5 nyloc nut

Bolt the lifter bracket to the adapter plate as shown in the diagram to the right, with the nyloc nuts on the inside of the bracket.

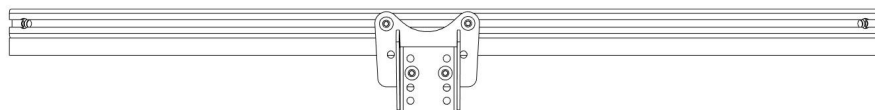
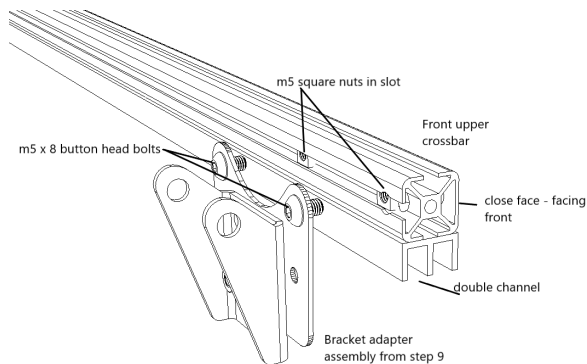


Step 9 - Fix bracket to front crossbar

Parts:

- 1 x front cross bar 60cm
- 1 x bracket assembly from step 8
- 2 x M5 x 8mm button head
- 2 x M5 square nuts

Slide two square nuts into the **rear** channel (the side opposite the closed face). Bolt the bracket assembly in the exact centre of the bar.



Step 10 - Insert the front crossbar

Parts

2 x M5 x 30mm bolt

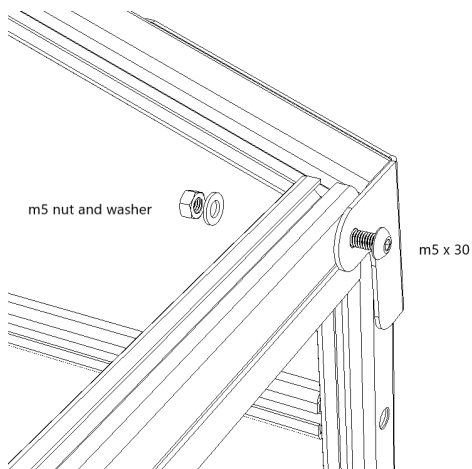
2 x M5 nyloc nut

2 x M5 washer

Use the M5 x 30 bolts to secure the front crossbar to the rear of the side assembly corner brackets.

Fix them in place with a washer and nyloc nut on the rear.

Tighten so that the top door bar is secure.



Step 11 - Understand how the shelves fit

Refer to the drawing below to see the recommended position of the shelves.

Note: If you have a 4 seasons model please refer to your smart control guide for layout of additional shelves

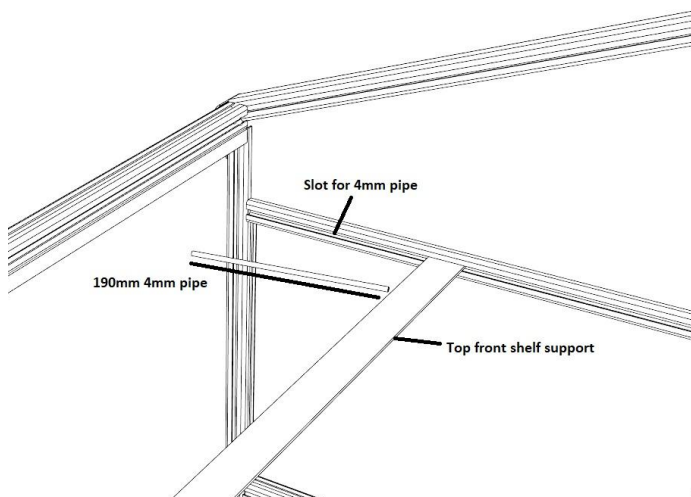
Parts:

2 x 90mm length 4mm pipe

2 x 190mm length 4mm pipe

A short section of 4mm tube pressed into the channel prevents the front shelf from sliding forwards.

Use 190mm in front of the top shelf and 90mm length in your other shelf if applicable.



Step 12 - Fit the shelves

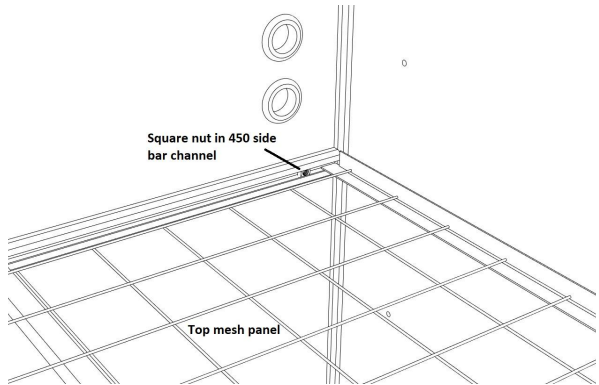
Parts:

Mesh shelves

2 x 610mm shelf support per shelf

4 x 10cm cable tie per shelf

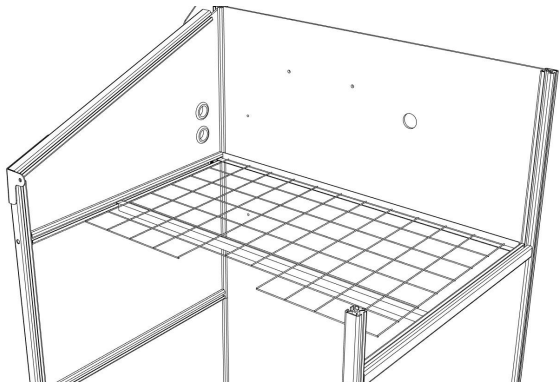
Slide the square nuts for the 13mm water pipe to the middle of the crossbars on the left hand side of the frame, before you insert the shelf supports.



Slot the shelf supports into the slots on the inside of the side panel cross bars, inserting them at a diagonal and then straightening up.

Place the mesh shelves onto the shelf supports and secure with cable ties, one in each corner.

NOTE: The mesh shelf with a slot cut out goes in the top level to allow the lid lifter piston to operate. The front shelf support goes in upside down.



Step 13 - Install rear panel

Parts

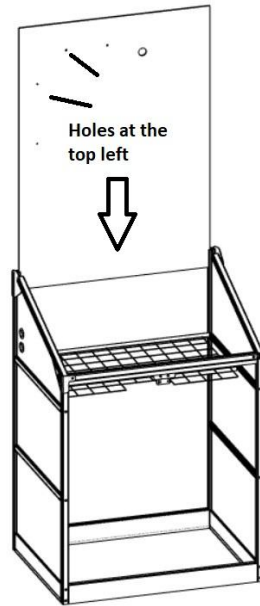
1 x black rear panel

Drop the rear panel into the inner slots of the rear uprights.

Ensure it goes fully into the lower base part - it's a tight fit.

Note: Ensure the panel holes are in the top left orientation when installing the panel

This step can be made easier by squeezing the edges of the panels that will be in the slots of the frame so that they are slightly deformed.



Step 14 - Assemble the lid

Parts

1 x lid ridge

1 x lid bar rear

2 x lid side bars with corner caps

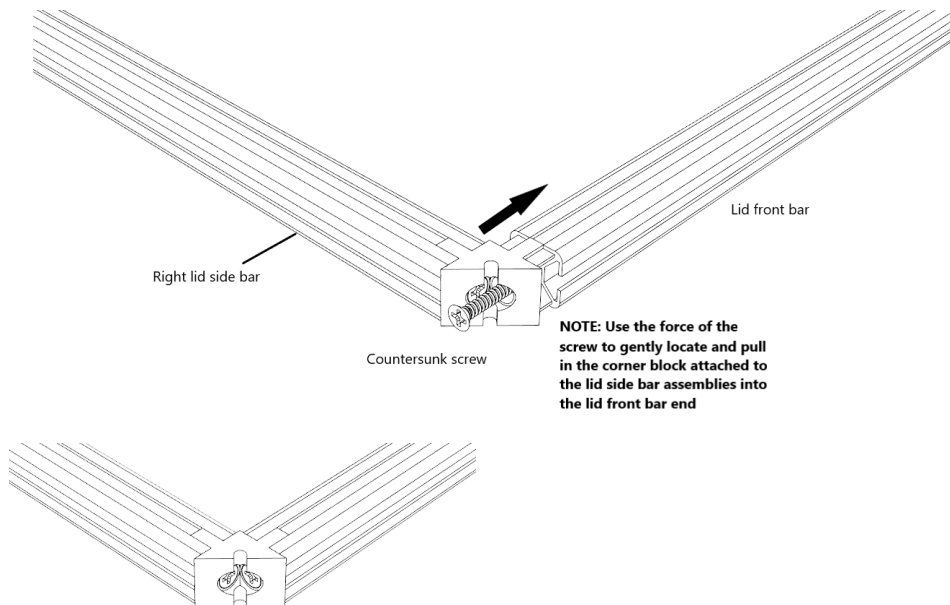
6 x M5 square nuts

2 x 30mm countersunk head screws

1 x 60cm lid front bar

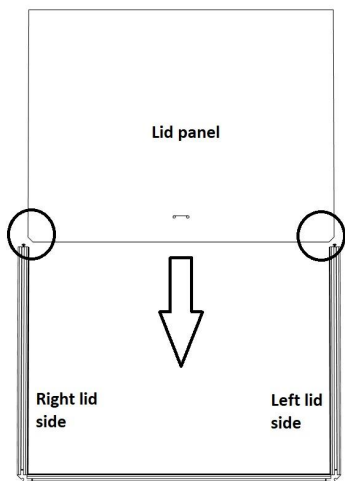
1 x clear lid panel

- a) Lay out the lid front bar onto a flat surface with the closed face facing downwards. Attach the lid side bars with the corner piece to the lid front. The left and right lid side bars are identified by L and R on their protective packaging. Line up the corner piece with the open end of the lid front bar and use the countersunk 30mm screw to gently pull the corner piece into the end of the front bar

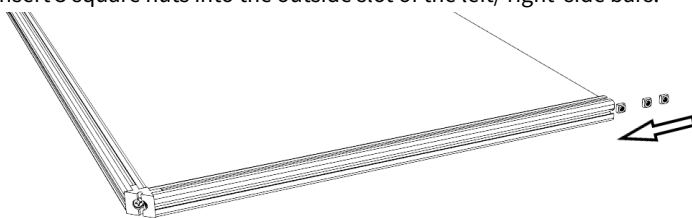


Repeat above steps for the left lid side

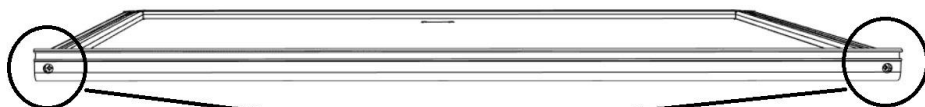
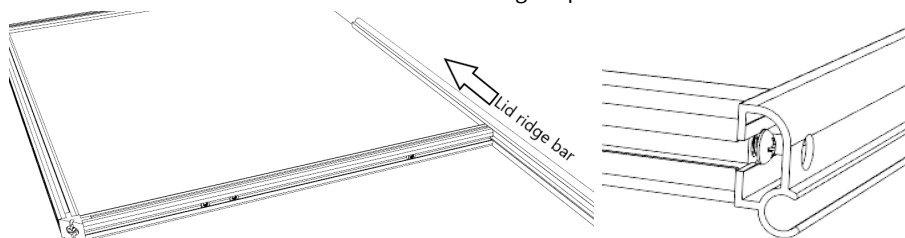
- b) Peel back the film from the lid panel faces. The white side is outside facing. Slot the clear lid panel into the internal area of the lid paying attention to the notches in the lid panel corners as circled in the diagram below.



Insert 3 square nuts into the outside slot of the left/ right side bars.



- c) Slide the ridge bar slotted face over the screws of the sidebar. Once positioned, tighten the 2 screws in the side bars to fix the lid ridge in place.



Tighten 2 screws through slots

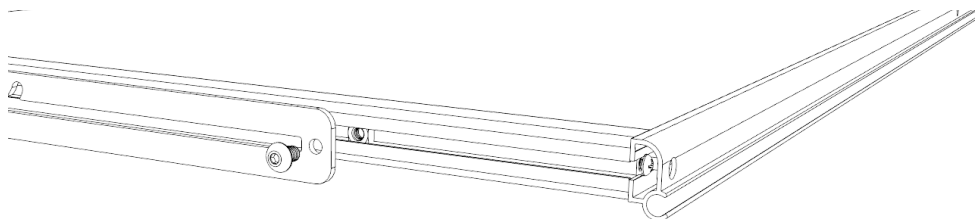
Step 15 - Add lid props to lid

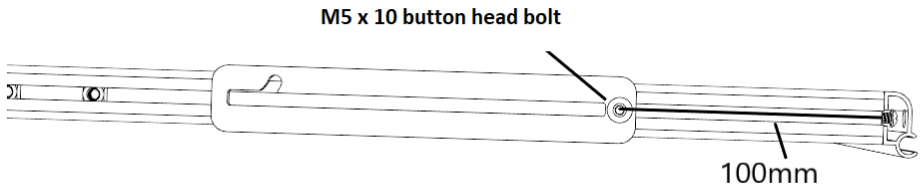
This is easiest done on a flat table or worktop.

Parts

2 x lid props

2 x m5 x 10 button head bolts

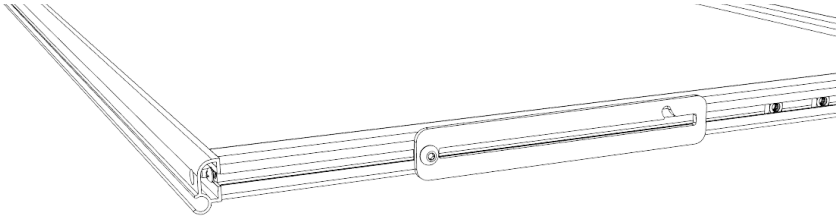




Note orientation of the lid prop

Secure the lid prop bracket. Measure 100mm from the rear of the lid sidebar to the centre of the bolt and secure the bolt through the lid prop hole and into the square nut in the slot. Tighten well.

Repeat for the other side, see diagram below.



Step 16 - Assemble lid lifter

Parts

1 x lid lifter piston

Insert the black lid lifter piston into the lid lifter, using the instructions as supplied in the lifter box.

Step 17 - Fit the lid lifter to the lid

Parts:

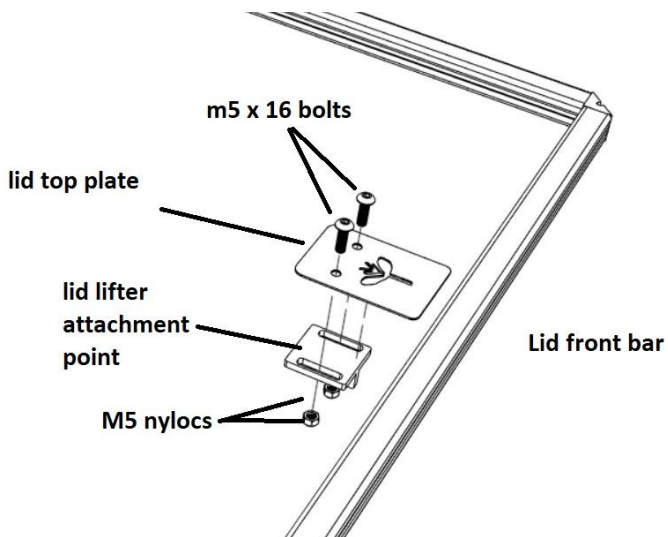
2 x M5 x 16mm bolt

2 x M5 nyloc nut

1 x lid top plate

1 x lid lifter

Locate the lid top plate in the orientation of the diagram below on the exterior/ top of the lid. The bottom lip of the plate below the harvst logo slots into the gap between lid panel and the front lid bar for support. The two holes on the lid top plate should align with the holes on the lid panel.



Step 18 - Fit the lid

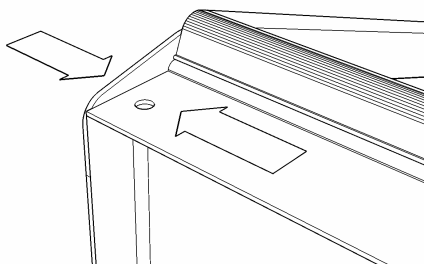
Parts

2 x 30mm pan head

screw

1 x Lid

Place the lid on top of the greenhouse, making sure that the rear panel slots into the black channel on the underside of the lid.



Secure it with two 30mm screws into the rear uprights.

Before you tighten the screws, ensure the sides of the greenhouse are firmly pushed together to secure the rear panels in place.

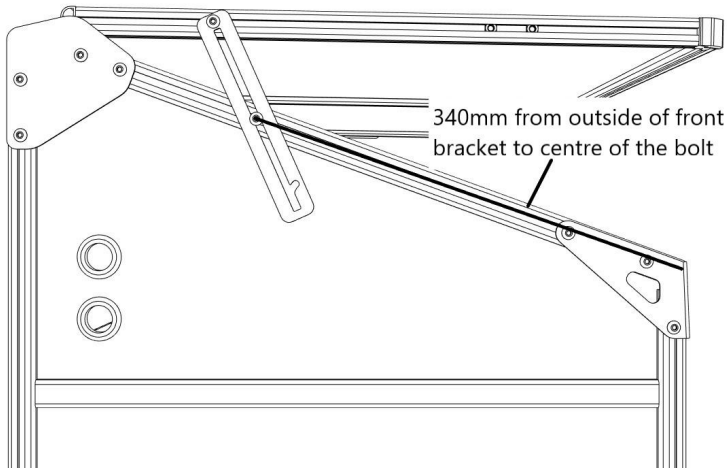
Tighten the screws well.

Step 19 - Fix the lid props to the top side bars

Parts

2 x M5 x 10 bolts

Measure 34 cm from the front of the greenhouse to the centre of the M5 x 10 bolt.



Step 20 - Install irrigation, heating and lighting

If you have a **smart sprout**, refer to the smart sprout S6 setup guide for adding additional parts

Step 21 - Fit the doors

Parts

2 x doors

With handles fitted

Pop the doors into the sliding channels by flexing them slightly. The left hand door goes in the rear (inside) channel and the right hand door goes in the front (outside) channel. See the diagram on the first page for reference

Tip: If the doors are too tight, you can loosen the crossbar mounting bolts to let the bar come up a little. Tighten them in a suitable position so that the doors slide well.

Step 22 - Fit lid corner and hole caps

Now's the time to fit the caps, sit back and have a cup of tea.

The lid front corners caps are pushed fit into place to conceal the screws.

We've supplied some small black plastic caps to cover the screw holes in the front of the greenhouse to make it look smarter.

Step 23 - Secure the greenhouse down

If you are in an exposed location, we recommend that you secure the greenhouse to the ground, a wall or a fence.

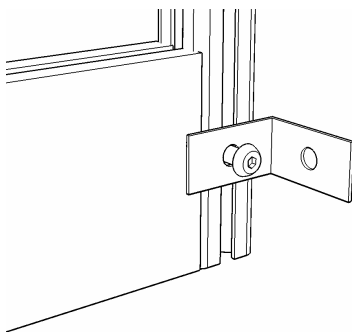
Parts

2 x Angle bracket

2 x Square nut

2 x M5 x 8mm bolt

Use the spare square nuts in the rear upright side slots, with an M5 x 8mm bolt and the stainless steel angle bracket (or a bracket of your choice to suit what you're mounting to)

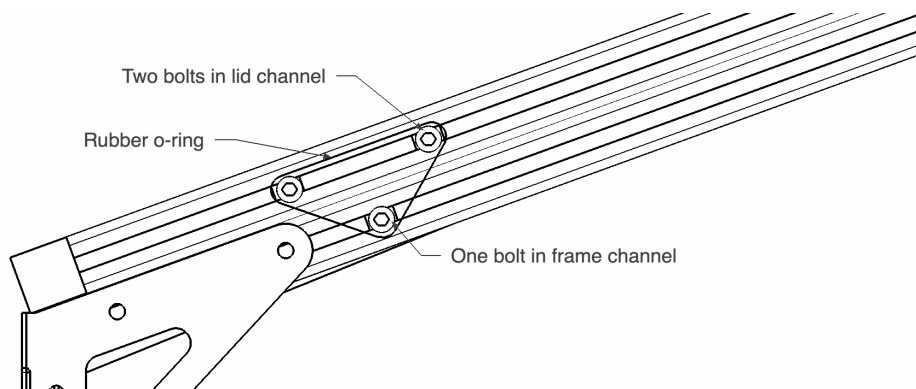


Storm lock

Parts:

4 x M5 x 10mm bolt

In very strong winds, you may want to lock the lid so that it doesn't blow open. The o-ring fitted to the sides of the lid should be stretched over the frame bolt as shown below:



Note: When the storm lock is fitted, you must disengage the automatic lid lifter from the pegs on the lower mounting bracket.

Regular maintenance

The materials and design of your greenhouse means that it does not need much maintenance.

- The automatic lid lifter will need oiling from time to time to prevent corrosion.
- Clean the inside of the panels from time to time, especially if you have hard water.

To extend the life of your automatic lid lifter, avoid opening the lid against the pressure of the piston too frequently. Open the front doors, unclip the lifter mechanism, and then open the lid. The lid opener piston is not covered under our manufacturer's guarantee.

Help and support

For tips, advice and questions, visit our community at

<https://grow.harvst.co.uk/forums>

For setup assistance or other queries contact help@harvst.co.uk