



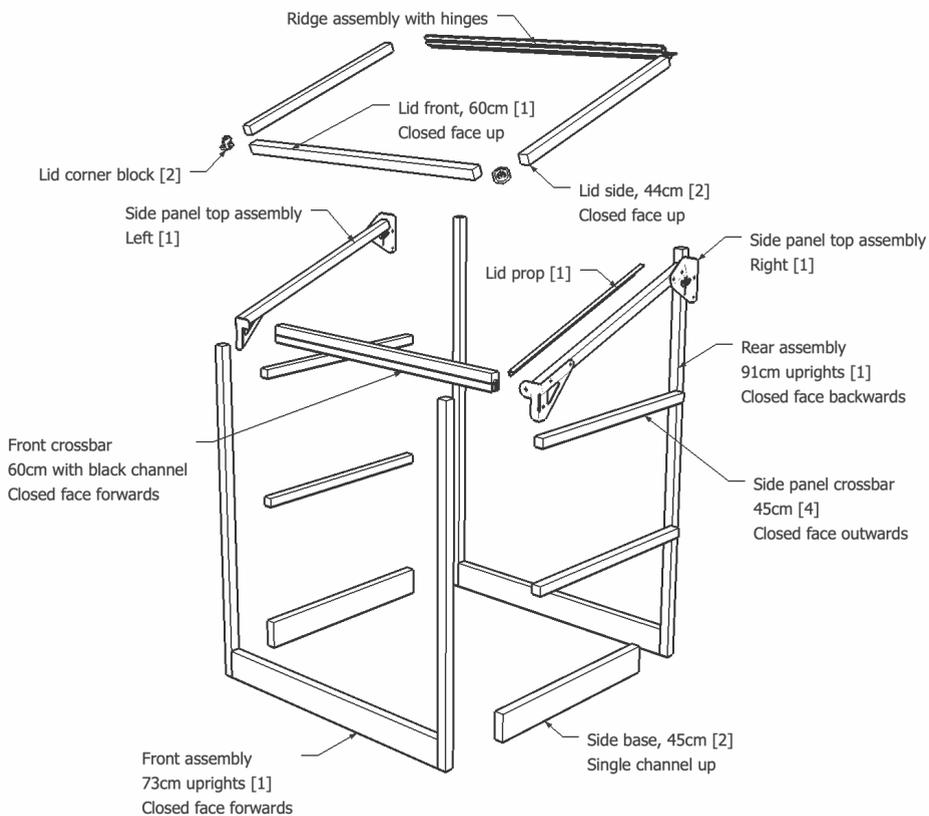
Setup guide

Model S6



Greenhouse-only model comes with one shelf

Exploded diagram



Visit www.harvst.co.uk/setup for more information, videos and photos

Thank you for buying a Harvst greenhouse.

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

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

There are also videos at

<https://www.harvst.co.uk/setup>

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.



440mm **x2**
Lid sides, with plastic corners



600mm **x1**
Front upper crossbar
(box profile as alternative)



450mm **x4**
Side panel crossbar



728mm **x2**
Front upright



910mm **x2**
Rear upright



600mm **x1**
Lid front



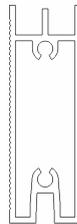
420mm **x1**
Lid prop



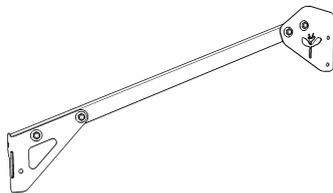
610mm Shelf support
x2 GH / 3S / Solar models
x4 4-season model



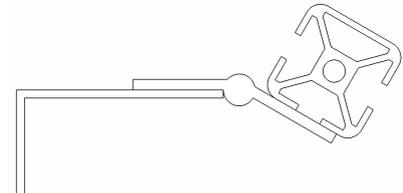
450mm **x2**
Side base parts



600mm **x2**
Front and rear base parts



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



Ridge assembly (with hinge) **x1**

Fixings and small parts



4.5 x 30 screw **x4**



M5 x 8mm **x8**



M5 nut **x4**



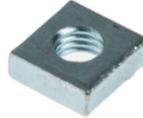
Cable tie **x100**



M5 Nylock **x1**



M5 x 30mm **x2**



M5 square nut **x8**



M5 x 16mm **x2**



Blanking plug **x8**



Lid corner block **x2**



M5 washer **x2**



Fixing bracket **x2**

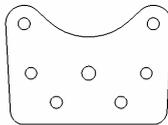
Automatic lid lifter fixings

(Solar, 3-season and 4-season models only)

Will vary based on slot method or through-hole method



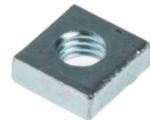
Lid top plate **x1**



Mounting plate **x1**



M5 x 8mm **x4**



M5 square nut **x2**



M5 nut **x2**



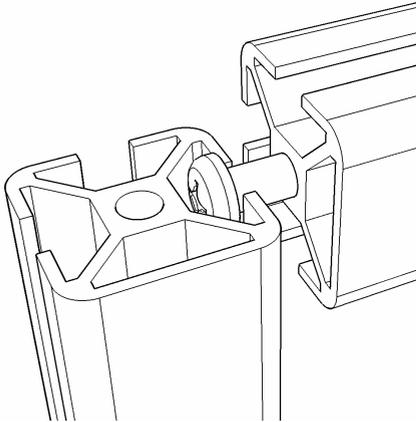
M4 x 16mm **x2**



M4 nut **x2**

Introduction - slotting parts together

The greenhouse is based on parts that slot together using 30mm stainless steel screws, as shown in the diagram below.



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.

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.

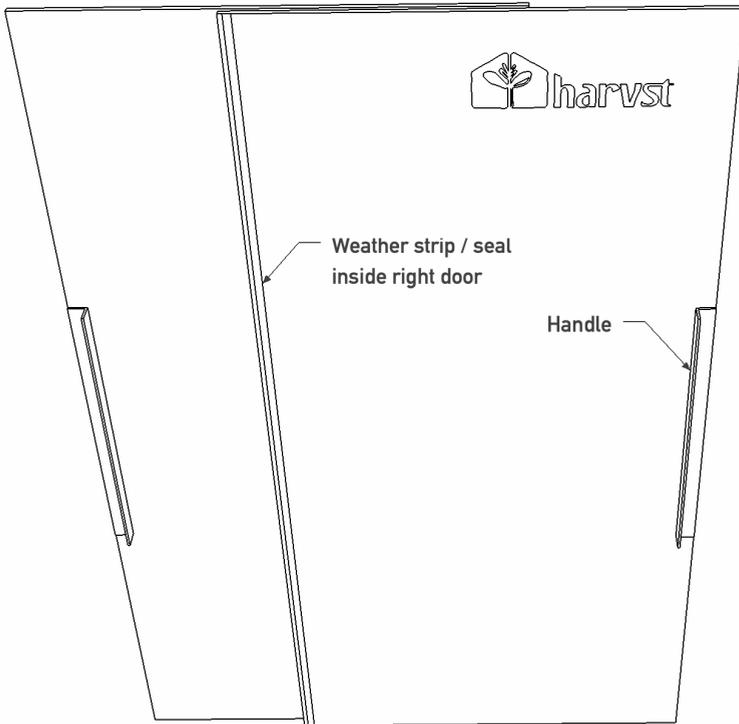
This step is optional - it can take some time but is recommended.

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
2 x polycarbonate door

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 - Fit the door seal

Parts
1 x self adhesive weather strip

Fix the brush weather strip / seal to the inside of the right hand door, as shown on the drawing above.

Step 4 - Assemble the base

Parts:

1 x front assembly

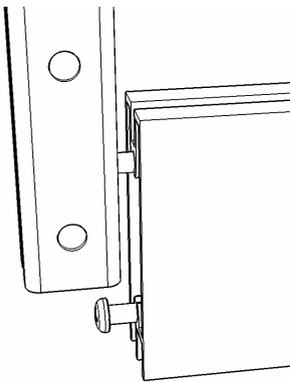
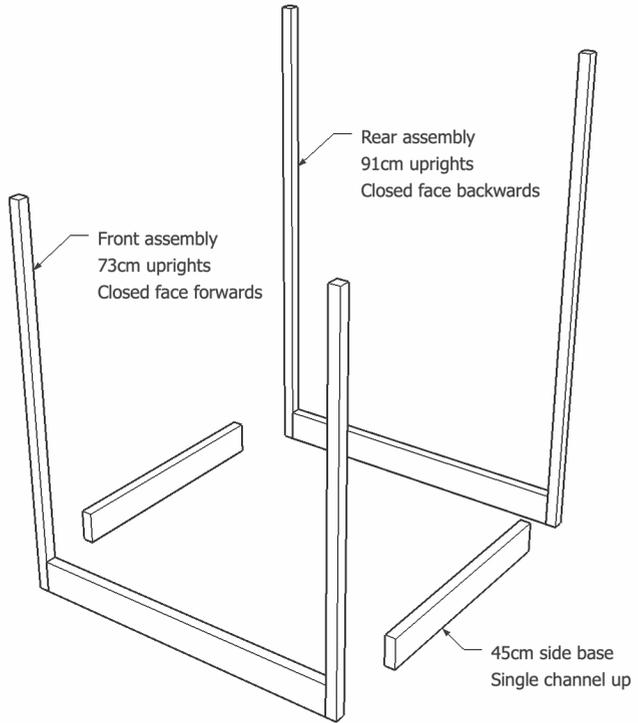
1 x rear assembly

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.

The side base parts have the single channel facing **up**, and the double channel facing **down**.



Slot the front assembly over the screws on the side base parts and tighten the screws.

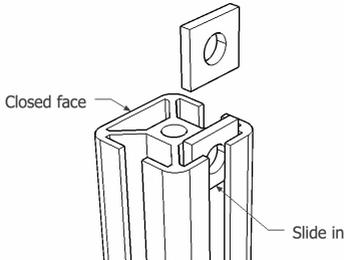
Do the same for the rear assembly.

Step 5 - Insert square nuts into cross bars

Parts

2 x side cross bar 45cm

2 x square nut



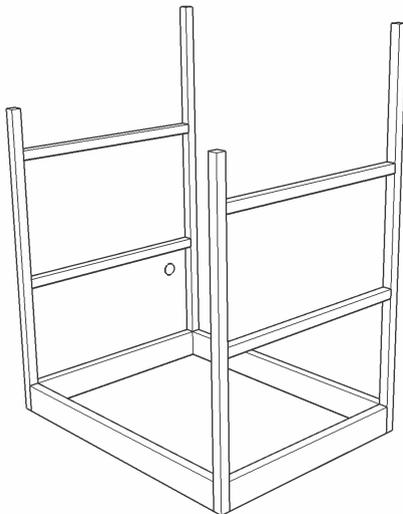
Insert a square nut into the inside channel of each cross bar that will go on the **left** side of the greenhouse.

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 6 - Insert the side panels and side cross bars

The **lower left side panel** has a hole with a grommet in it for an external hose or tank connection, if you have a solar or 4-season model. The hole is at the top rear of the panel.



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.

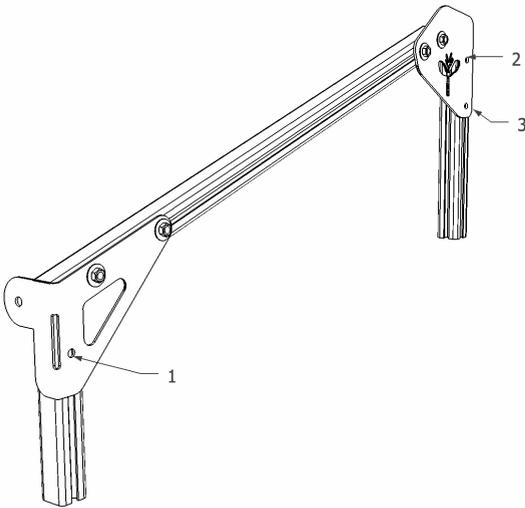
Slot two panels into the frame, one on each side. The bars with nuts are on the left.

Slide the bar, **closed face outwards**, down over the clear side panel. Tighten the screws. Repeat for the other side.

Greenhouses with irrigation will have a hole in one panel. Place this at bottom left.

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

Step 7 - Fit the side panel top assemblies



Parts:

1 x Right side panel top assembly

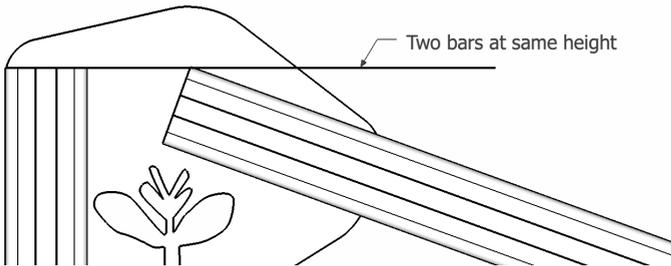
3 x M5 x 8mm button head bolt

3 x M5 square nut

Insert the bolts into the assembly, 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.

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 below). Tighten the bolts.



Repeat for the left hand side.

Step 8 - Fix lid lifter bracket to adapter plate

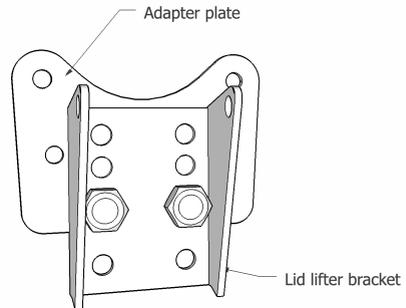
OPTIONAL - if you have an automatic lid opener

The *lid lifter bracket* is in the lid opener box. (see drawing below for named parts)

Parts:

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

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

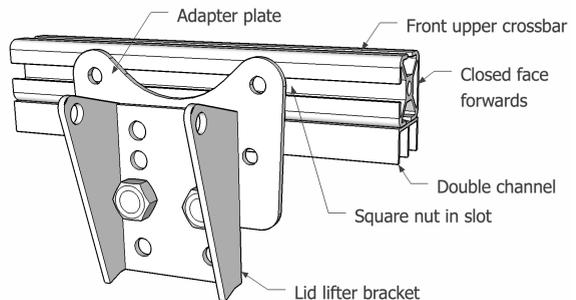


Step 9a - Fix bracket to front bar : slot method

Parts:

- 1 x front upper bar 121cm
- 1 x bracket assembly from above
- 2 x M5 x 8mm button head
- 2 x M5 square nut

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



Step 9b - Through-hole method

If your greenhouse has a front crossbar with no slot, it will have holes drilled in the relevant place.

Parts:

- 1 x front upper bar 60cm
- 1 x bracket assembly from step 9
- 2 x M5 x 30mm bolt
- 2 x M5 nut

Bolt the bracket to the front bar, through the two holes.

Step 10 - Insert the front crossbar

Parts

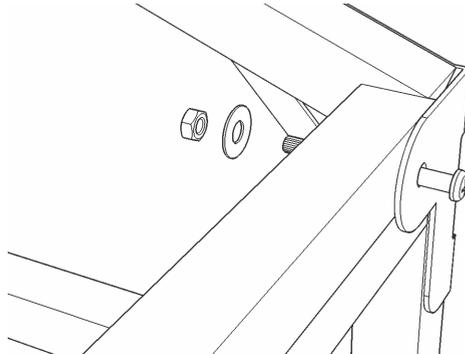
2 x M5 x 35 bolt

2 x M5 nut

2 x M5 washer

Bolt the front upper bar to the rear of the brackets on the front of the greenhouse.

Tighten securely.



Step 11 - Fit the shelves

One shelf is supplied as standard for the greenhouse-only and Eco models. Two shelves are supplied with the 4-season model, since the additional lighting allows plants to be grown closer together.

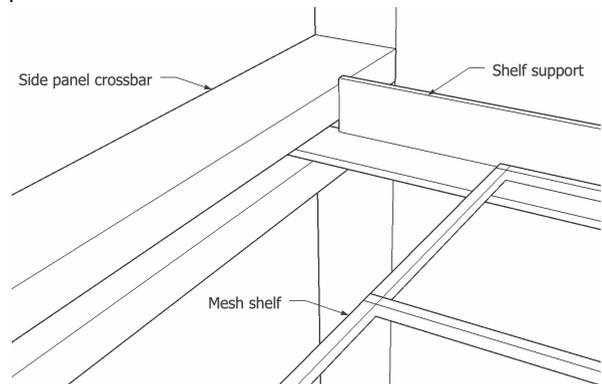
Parts, per shelf

2 x shelf support

1 x mesh shelf

4 x cable tie

Slot the shelf supports into the slots on the inside of the side panel cross bars.



Place the mesh shelves onto the shelf supports and secure with cable ties.

The narrower shelf goes in the top slots to allow the lid lifter piston to swing clearly. We recommend putting the front shelf support in upside down to make tray removal easier.

Step 12 - Install irrigation system (optional)

Self watering is provided either by sprayers or drippers, depending on what you want to grow and how you would like to water it. Using standard 4mm micro irrigation pipe, you can choose to use sprayers under the shelves of the greenhouse, or use drippers instead to feed the soil without getting leaves wet.

Water can be provided by your choice of:

- Garden hose with an external tap timer
- Garden hose with a Harvst smart controller and electric valves
- Harvst smart controller with water pump

See our website for a range of videos which show you how to connect up various different water sources to your greenhouse irrigation. www.harvst.co.uk/setup

Step 13 - Fit the grow lights - optional

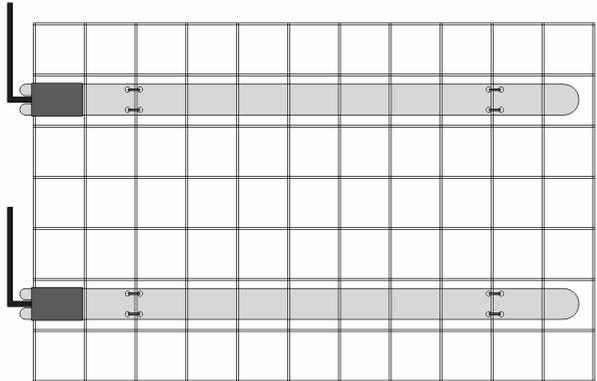
The 3-season and 4-season greenhouses can be fitted with grow lights. Up to a maximum of six per control unit output (see notes on control unit maximum capacity).

Per shelf:

2 x light bar

8 x cable tie

With the cables on the left, fix the lights to the underside of the mesh shelves using cable ties through the small holes.



Extra light pairs

Extra splitters

For each pair of lights, connect a 3-way splitter to the lights, leaving a spare socket to connect to the shelf below.

Connect the lights to the control unit later.

Step 14 - Fit the heater cable(s) - optional

Parts

Heater cable(s)

100mm cable ties

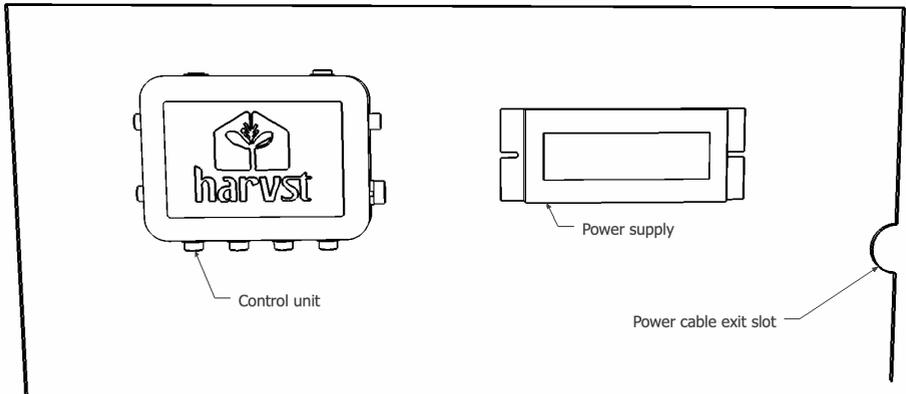
Fit one heater cable to the top socket on the left hand side of the control unit. If you have a second heater cable, it goes in the middle socket.

Weave the cable in and out of the shelf mesh, to provide a heated platform on which you place your growing containers.

The cable will reach a maximum of 65 degrees C which will not damage any of the greenhouse frame or plastic.

Step 15 - Fix controls to rear panel

If you have a greenhouse with a control system, mount the control unit (and power supply) to the rear panel before inserting into the greenhouse, so you can feed the power cable through the side slot before dropping the panel in.



Parts

2 x M5 x 20mm bolt
2 x M5 washer
2 x M5 nut

Fit the control unit to the rear panel using the 2 holes at the top left of the panel. Flip the mounting hole covers up on the control unit to expose the mounting holes. It's easiest to hold the bolts on the allen key as you push them through the control unit.

Parts

2 x M4 x 16mm bolt
2 x M4 washer
2 x M4 nut

Optional : power supply (mains version) : Fit the power supply to the rear panel using the two holes to the right of the control unit. The long mains cable goes on the right. Feed the power cable out through the slot in the rear panel.

Step 16 - Install rear panel

Parts

1 x 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.

Step 17 - Add the lid prop support bolts

Parts

2 x M5 x 16mm button head bolt

2 x M5 nut

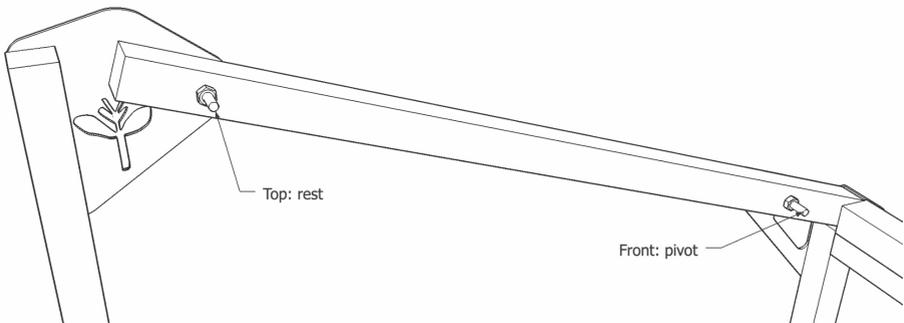
Screw the two nuts onto the bolts until they are 2mm away from being fully tightened.

Slide the heads of the bolts down the inner slot on the top right of the greenhouse, as shown in the drawing below.

Slide one all the way to 40mm off the bottom and leave the other one near the top.

Holding the bolt thread, tighten the nut to create a stud. The lower / front stud goes through the lid prop with a nylock nut on it.

The top / rear stud is used to rest the lid prop when not in use.



Step 18 - Fit the lid prop

Parts

1 x lid prop, 42cm

1 x M5 nylock nut

Put the hole in the lid prop over the lower stud that you inserted above.

Put on the nylock nut, tightening it just so that the plastic “bites” the thread. The prop should be loose enough to move around.

Note: The nylock nut has a little plastic ring inside to prevent it loosening over time.

Step 19 - Lid side bars

This is easiest done on a flat table or worktop.

Parts

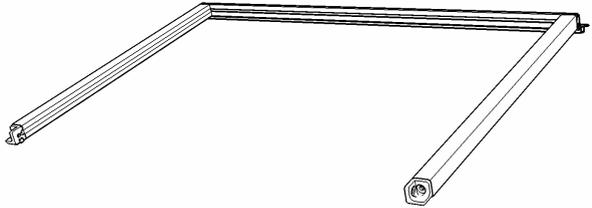
1 x hinged ridge assembly

2 x lid sidebar 44cm

With plastic corner pieces

Place the ridge piece with the black plastic channel facing down.

Slide the lid side bars into the ends of the front of the ridge piece (the 20mm square section), with the closed side upwards.



Note: The stubs on the plastic corner pieces face inwards, towards each other.

Tighten the screws.

Step 20 - Insert the lid polycarbonate

Parts

1 x clear lid panel

Slot in the lid polycarbonate sheet, with the holes at the front. Make sure the white UV protected side is upwards. You'll need to flex the lid side bars apart slightly.

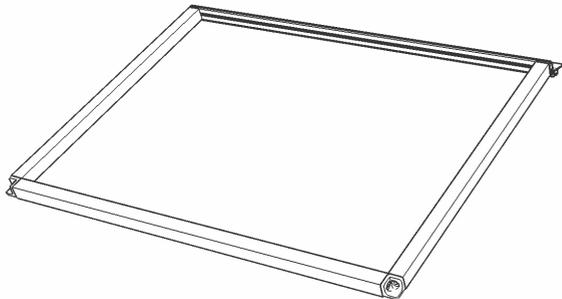
Step 21 - Complete the lid

Parts

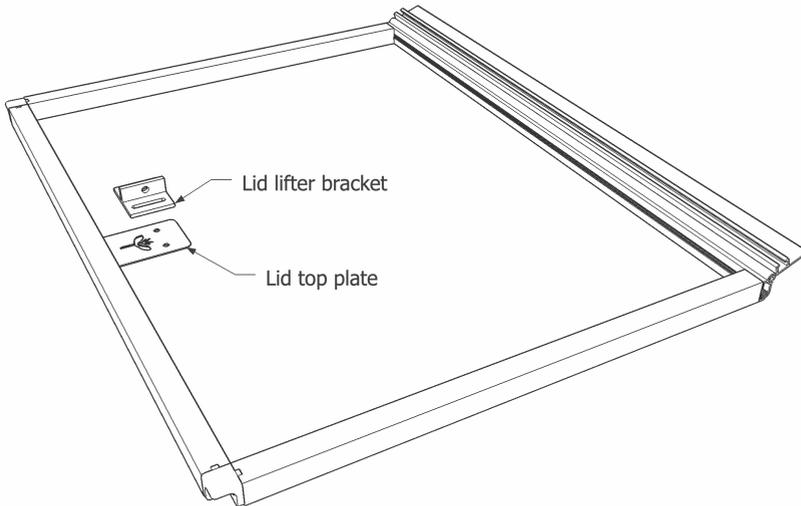
1 x lid front bar

2 x 30mm screw

Screw the front of the lid onto the rest of the lid assembly, with the closed face up.



Step 22 - Fit the lid lifter to the lid



Place the lid upside down on a table (with the black channel facing up), with the holes over the edge.

Parts:

2 x M4 x 16mm bolt

2 x M4 nut

1 x lid top plate

1 x lid lifter

Place the lid lifter so that the bracket with slots in is above the two holes in the front of the lid.

The slotted bracket is shown in the diagram above without the lid lifter, for clarity.

Bolt the lid lifter to the bottom of the lid, using the top plate on the other side (underneath the upturned lid).

Step 23 - Fit lifter piston

WARNING - the lid lifter has powerful springs and should be treated with care.

Parts

1 x lid lifter piston

Prop the greenhouse lid open. Insert the black piston into the lid lifter, using the instructions as supplied with the lid lifter.

Taking care not to trap your fingers, squeeze the sides of the lid lifter together and insert the studs into the bracket on the inside of the front upper bar.

Step 24 - Fit the lid

Parts

2 x 30mm 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.

Step 25 - Fit the doors

Parts

2 x polycarbonate door

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. Refer to the door drawing at the beginning of the guide.

Step 26 - Fit the hole caps

We've supplied some small black plastic caps to cover the screw holes in the front of the greenhouse to make it look smarter. Now's the time to fit the caps, sit back and have a cup of tea.

Step 27 - 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.

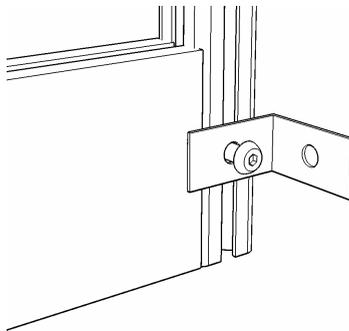
Parts

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)



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>