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Clever products
for garden and home

Assembly instructions

Cold frame Biostar 1500

Dim.: about 4.9 x 2.6 x H 1.6/1.3 ft
(150 x 80 x H 50/40 cm)

Art. no. 20150




















Litho-Nr. 925-04-21 - Anl.-Nr. 04212328

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Part list:

A	B	C*	D*	E*	F	G	H
							
1 x	1 x	1 x	1 x	3x	2x	2x	1x
52598	52599	52590	52589	52600	52398	52397	25933

I	J	K	L	M	N	O	P	Q
							 Aluminium ~ 28.66" 72.8 cm	 Aluminium ~ 30.32" 77 cm
8x	8x	8 x	4x	4x	1x	1x	2 x	2 x
25939	26398	26399	26808	25607	20047	25940	52511	52780

* See step 1 before removing protective film

Required tools!



Please read these instructions prior to assembly and keep them for further reference.

Dear valued customer,

Please find below some advice on how to use your cold frame and increase your harvests.

This cold frame is made of double-wall polycarbonate glazing, as used in professional greenhouses. This special glazing lets sun rays go through and keeps warmth inside, which is essential for the growth of plants.

However, too hot temperatures can be harmful for plants! That's why we advise you to open or remove the sliding windows of the window when sun rays are particularly intensive. When it's colder (below 10°C/50°F), close the windows to keep warmth inside the cold frame.

Despite its excellent insulation, the cold frame still needs sunlight when it's cold outside. If you are experiencing several days without sunlight and very cold temperatures, you may need a complementary

heat source (e.g. heat lamp) to keep the cold frame from freezing.

The morning is the best time to water your plants, which should be dry again by the evening, when it gets colder. Thus, the plants do not cool off so much and the risk of fungal infection is reduced.

Please choose seeds suitable for greenhouse culture.

The ground stakes should be hammered slantwise, so that the cold frame is well stabilised. By strong wind, it may be necessary to use an additional fixing system. If it's likely to be windy, close the window and lock the window handle securely to keep the window from flying away.

CAUTION: This product is intended for private use and not for commercial purposes.

At last, we wish you plentiful harvests!

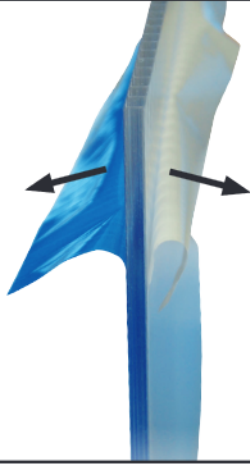


Warning: Strong wind or storm can fly the cold frame away and injure people or cause material damage.

1

ATTENTION:
Take away
protection foil!

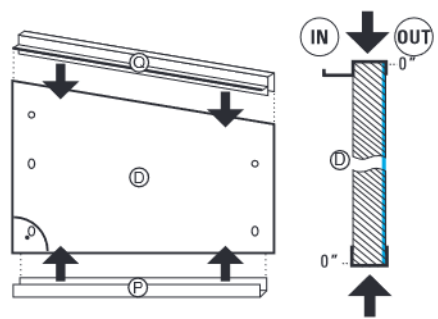
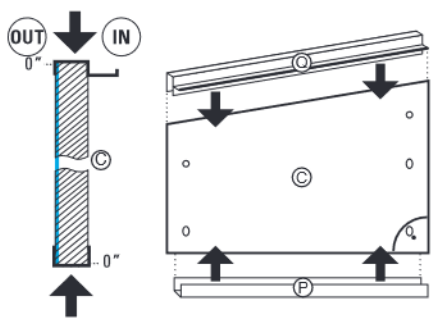
BLUE film
(UV resistant)
toward the
OUTSIDE!



CLEAR film
toward the
INSIDE!

C-1 x D-1 x

2



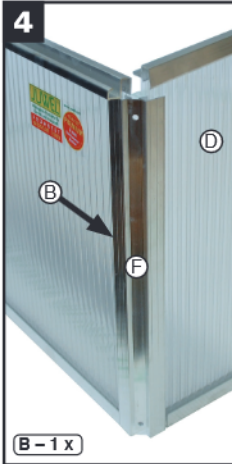
C-1 x D-1 x P-2 x Q-2 x

3



D-1 x F-1 x

4



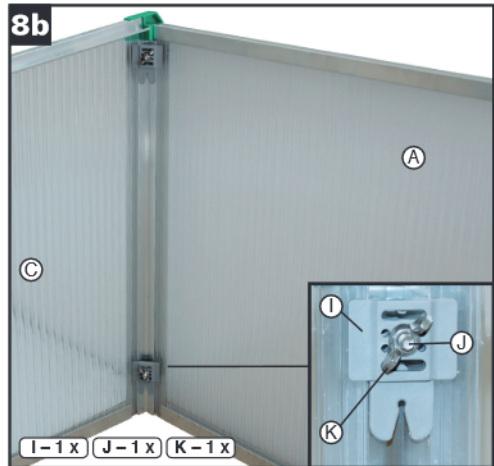
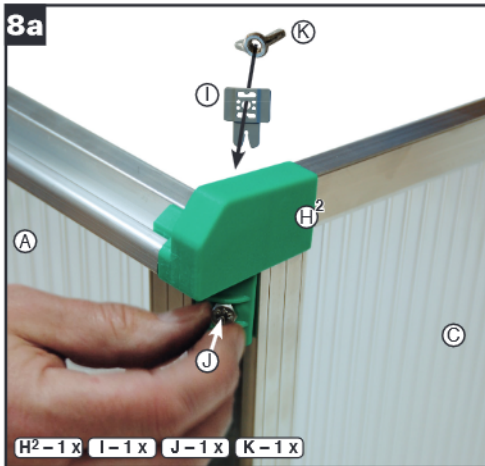
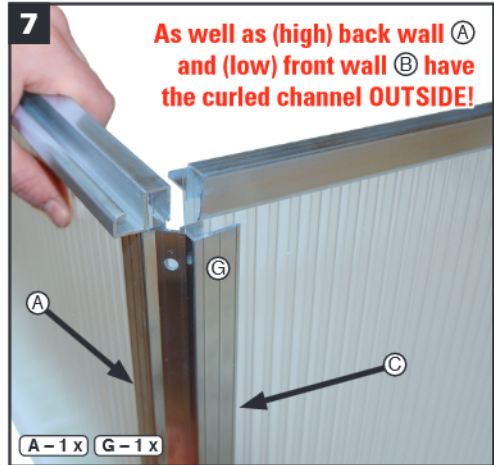
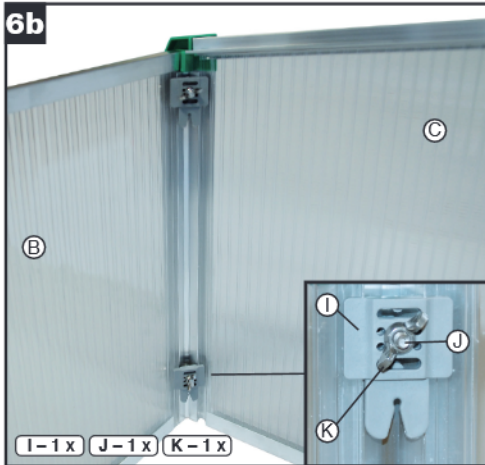
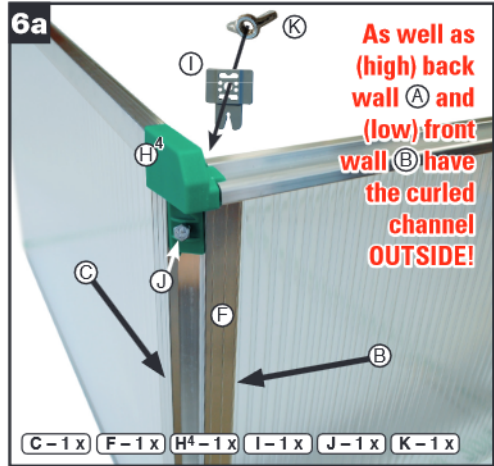
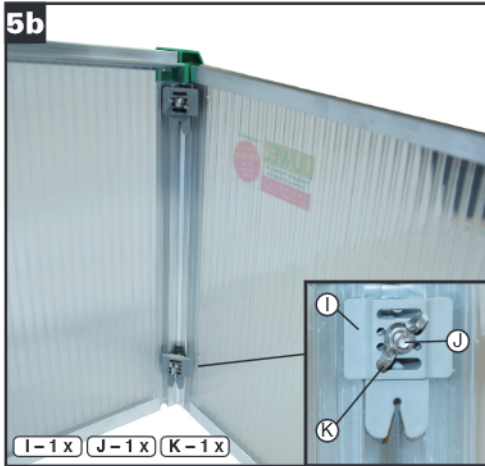
B-1 x

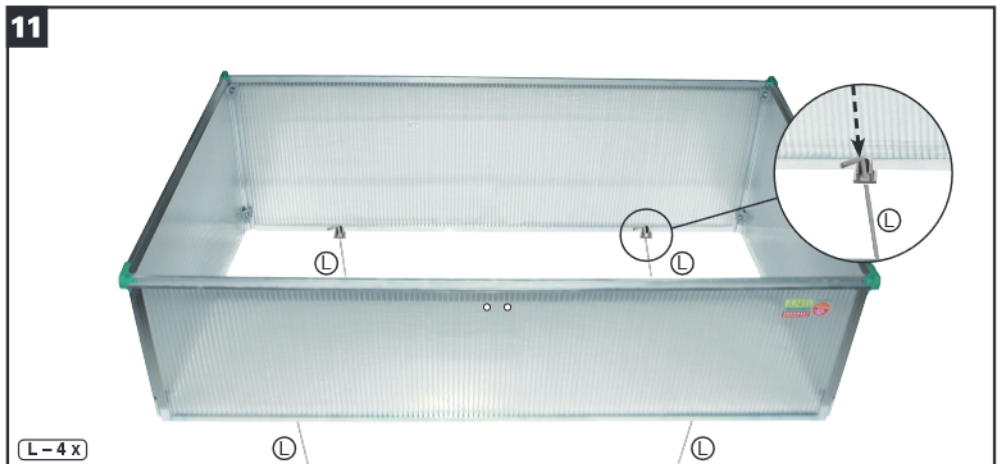
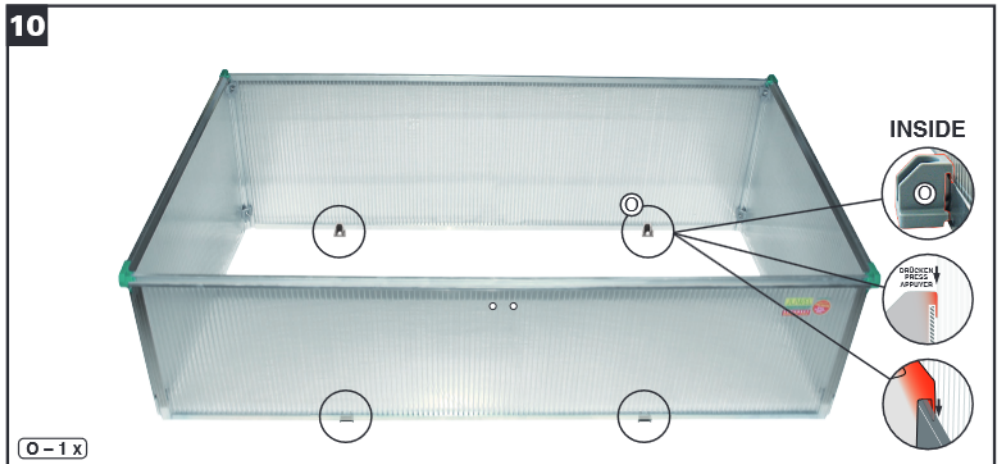
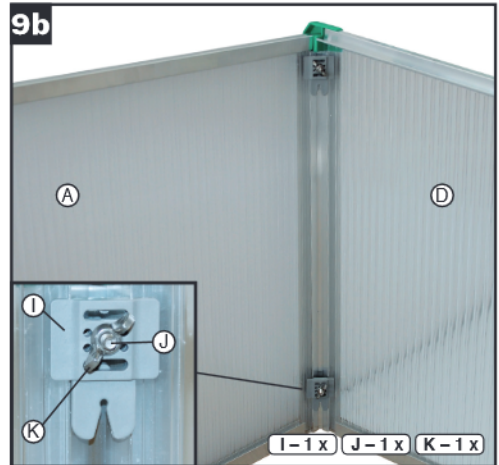
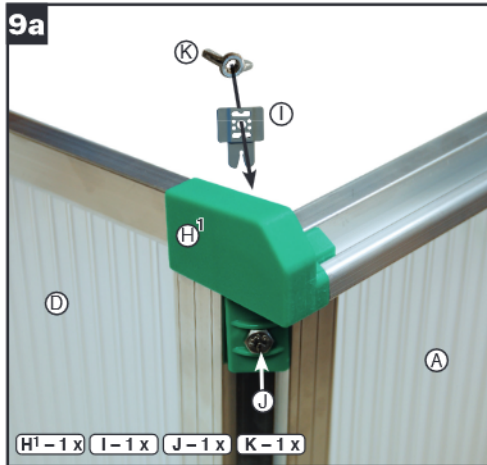
5a



H³-1 x I-1 x J-1 x K-1 x

**As well as
(high) back
wall (A) and
(low) front
wall (B) have
the curled
channel
OUTSIDE!**



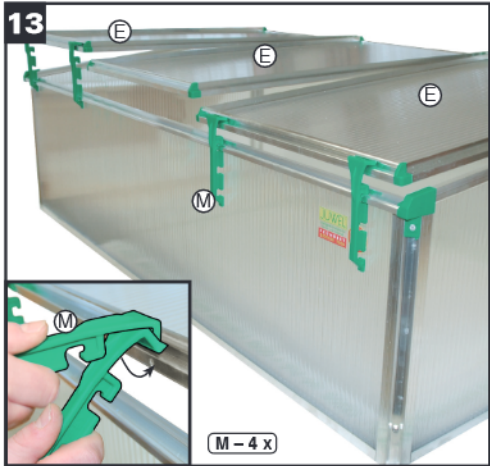


12

Insert
vertically

Note that Lip/
channel of
back wall is on
the **OUTSIDE**
of the coldframe
(same position-
ing for front
wall) this is
what creates
the hinge

E - 3 x

**13**

M - 4 x

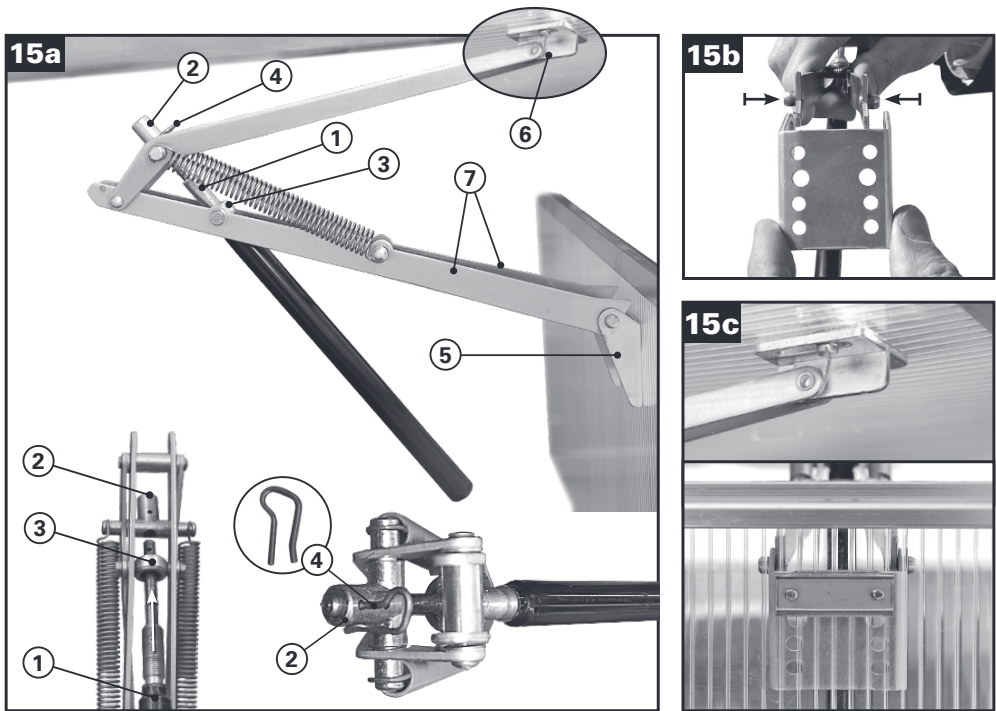
14

Attention: Do not
use the windproof
catches (M), together
with the automatic
window opener (N)!

15

N - 1 x

Assembly instructions for the Window Opener — next page!



Automatic window opener for JUWEL cold frames and greenhouses (Art. no. 20047)

Components:

- A) Cylinder
- B) Lever assembly with two springs
- C) Hardware kit

The cylinder contains a liquid expanding contracting in consequence of the temperature and thus moving the piston rod.

ATTENTION: The inside of the cylinder is under pressure – **do not block the opening of the piston rod, do not try to open the cylinder and do not expose the opener to heat. Maximum opening weight 15 lb | 7 kg! Do not block the window or put weight on it – loss of guarantee.**

Warranty: A correctly fitted and used opener is guaranteed one full year, based on date of purchase as per dealer's receipt.

Maintenance: All moving parts should be lubricated from time to time by smearing the cylinder threads and piston shaft with a little vaseline.

Installation: As per **fig. 15a** take the cylinder and insert the piston rod (1) through the threaded cylinder housing (3) into the receptacle in part (2). Screw the

cylinder into the cylinder housing (3), adjust the hole of the piston rod to the first borehole of the receptacle in part (2) and secure with the smaller of the 2 pins (4).

Remove the frame bracket (5) by squeezing the forks together (**fig. 15b**) and mount it from inside on the panel of the frame, 1.6" | 40 mm below the aluminium edging on top of the panel, near to the mid-point of one of the top covers. The swivelling cover bracket (6) has to be mounted to the underside of the cold frame top cover with a distance of 2" | 50 mm from the edge and near the mid-point (**fig. 15c**). Now attach the bottom of the opener to the lower bracket by squeezing the lower forks (7) together. Make sure the top cover does not stick and can be easily moved.

Adjustment: Turn the cylinder **CLOCKWISE** for the opener to begin opening at a lower temperature, turn the cylinder **COUNTER-clockwise** for it to begin opening at a higher temperature and result in a narrower full-opening. Each full turn accounts for about 0,9°F | 0,5°C.

Attention: Do not use the windproof catches (M), together with the automatic window opener (N)!