

ATLAS CANOPY ASSEMBLY GUIDE

ATLAS LIFTS ARE BASED ON A TIME TESTED DESIGN,
PROVIDING QUALITY PRODUCTS AND A WIDE
VARIETY OF ACCESSORIES TO CUSTOMIZE TO YOUR
SPECIFIC NEED



Date Of Purchase: / /

Revision: 012221EKBM

Tools Needed:

| | | | |
|--------------------------------|--------------|-----------------|-------------|
| Tape Measure | 9/16" Wrench | (2) 3/4" Wrench | 1/2" Wrench |
| 7/16" Wrench | 5/16" Wrench | Knife | 2 Ladders |
| (4) 4' Boards (Recommended) | Metal Saw | | |

Step #1 Count and Sort Hardware

Parts:

| | | | |
|------------------------------|------------------------------|----------------|---------------------|
| (3) Post Uprights | (1) Winch Post Upright | (4) Side Tubes | Bows (See Below) |
| (1) Assembly Hardware Box | (1) Mounting Hardware Box | | |

Bows: For a 28' Canopy, 16 bows are needed. As the canopy decreases by 2' in size, it requires one less bow. So a 26' Canopy requires 15 bows, and a 24' Canopy requires 14, and so on.

It is very important to have all the hardware needed to assemble this boat lift canopy. Open the box that has the hardware in it. Then sort the hardware and the other components by size to avoid confusion.

Assembly Time:

1 Person- 2.5 Hours

2 People- 1.5 Hours

Step #2 Cut Canopy Side Tubes

Parts Needed:

(4) Canopy Side Tubes

Cutting the canopy side tubes determines the size of the canopy being installed. It should be big enough to cover the entire boat from the sun and other natural causes of wear.

The canopy tubes are 13' and the end hood assembly provides an additional foot of coverage on each end.

- A 28' canopy does not require the canopy tubes to be cut.
- A 26' canopy requires 2' to be cut from the ends of 2 of the canopy side tubes.
- A 24' canopy requires 2' to be cut from all 4 canopy side tubes.
- A 22' canopy requires 2' to be cut from the ends of 2 tubes, and 4' from the other tubes.
- A 20' canopy requires 4' to be cut from all 4 canopy side tubes

Step #3 Assemble Canopy Side Tubes

Parts Needed:

*(4) Canopy Side Tubes
(8) Stainless Hose Clamps
(2) Side Tube Collars*

See image (3.1) below. Place 2 canopy side tubes in line with each other that will be the length of the canopy. For example, a 11' and 13' tube would be placed in line with each other for a 26' canopy. Slide the tube collars over where the 2 tubes connect, and secure with 4 hose clamps. Repeat for the other side. Be sure to position the tails of the hose clamps so they don't interfere with the canvas and tear a hole. Trim hose clamp tail if needed, but avoid sharp corners or cutting too much off for later adjustment.



Step #4 Assemble End Hood

Parts Needed:

- (4) Bows*
- (4) White Hood Corners*
- (12) Short Spreader Clamps*
- (4) 16" Spreader Tubes*
- (2) 19" Spreader Tubes*
- (7) White Spools*
- (12) **Stainless** Carriage Bolts*
- (12) **Galvanized** Nuts*
- (7) Self Tapping Screws*
- (8) Stainless Hose Clamps*



See Image (4.3). below. Slide 2 bows onto a white hood corner. Then slide 2 white spools to each end of the top hood bow. Slide another corresponding white hood corner onto the other end of the 2 bows.

Mount the 19" spreader tube to the middle of the end hood by attaching it to each bow using 2 clamps, 2 carriage bolts, and 2 nuts. Slide a white spool onto the spreader before fastening the second clamp.

Mount the 16" spreader tubes to both of the bows near 36" from the white end hood corner. Use 2 clamps, 2 carriage bolts, and 2 nuts on each of the spreader tubes. Slide a white spool onto each spreader tube before fastening the second clamp.

See image (4.1) and (4.3) below. Using a self tapping screw, secure the white spools to the tops of the 3 spreader tubes. The circular part of the spool should face inward into the canopy so a bungee can be wrapped around later. Using self tapping screws, secure the white spools onto the top bow. They should be fastened **7 ½" and 10 ½" from each end of the top bow**. The circular part of the spool should face inward into the canopy so a bungee can be wrapped around at a later time. Simply snug the self tapping screws to prevent stripping.

Repeat steps above to assemble the second end hood.

See image (4.2) below. Slide the end hood discs into the ends of the side canopy tubes to form the frame of the canopy. Attach the tensioning bracket to the end of the side tubes using 2 hose clamps. Be sure to position the tails of the hose clamps so they don't interfere with the canvas and tear a hole. Trim hose clamp tail if needed, but avoid sharp corners or cutting too much off for later adjustment.



(4.1)



(4.2)



(4.3)

Step #5 Attach Main Frame Bows

Parts Needed:

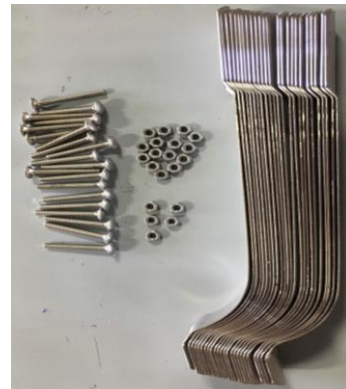
Bows

Carriage Bolts

Nuts

White Spools

Long Bow Clamps



Use a marker to place a small mark every 2' from the end on the canopy side tubes to mark where the bows will be positioned. Lay out a nut, bolt, and bow clamp at each mark to be ready to assemble. Also lay a bow between each mark.

See image (5.2) and (5.3) below. Carefully bend the bow clamp around the canopy side tube by hand so that the flat part of the clamp is on the top of the bow when fastened. Slide 2 white spools onto each main frame bow before securing with side clamp, ending up with one spool at each end of every main frame bow. Slide a carriage bolt through the top of the clamp, the end of the bow, and the bottom of the clamp. Fasten with a nut.

Attach remaining clamps on the opposite side of canopy, ensuring there are **2 spools per bow**.

See image (5.2) below. Once all the bows are attached, slide the included black rubber caps onto the ends of all the bolts to prevent them from damaging the canvas.



(5.1)



(5.2)



(5.3)

Step #6 Attach Canopy Upright Cups

Parts Needed:

(3) Post Cups

(1) Winch Post Cup

(3) Post Uprights

(1) Winch Post Upright

(4) ½" Stainless Bolts

(4) ½" Brass Lock Nuts

(4) Washers

See image (6.1) below. The winch post upright tube is the shortest and has the smallest diameter. The winch post cup will also have the smallest diameter. Attach the cup to the top of the upright with a bolt, washer, and lock nut. The washer should go on the same side as the lock nut. Repeat with the rest of the uprights and cups.



(6.1)

Step #7 Insert Post Uprights Into Legs

Parts Needed:

- (3) Post Uprights
- (1) Winch Post Upright
- (4) ½" Stainless Bolts
- (4) ½" Brass Lock Nuts
- (4) Washers

5000lb, 6000lb, and 7000lb hydraulic lifts will require 4 uprights of the same length



See image (7.1) and (7.2) below. Insert each upright into the posts, and be sure to put the winch upright in the winch post. Also be sure the cut-out of the cups faces to the outside of the boat lift. The height of the uprights should be set high enough that when the boat is lifted, the cradle is **at least 12"** out of the water to avoid wear from being hit by waves while boat is stowed. The boat (windshield, seats, bimini top, etc.) should have no interference with the canopy when completely raised. Once the height is decided, fasten each upright through the selected hole with a bolt, washer, and lock nut. The washer and lock nut should be on the same side. The height of the 3 matching corner uprights can be set by counting the exposed holes. The winch upright should be measured from the ground up to match the ground up height of the other uprights.



(7.1)



(7.2)

Step #8 Mount the Canopy on the Boat Lift

Parts Needed:

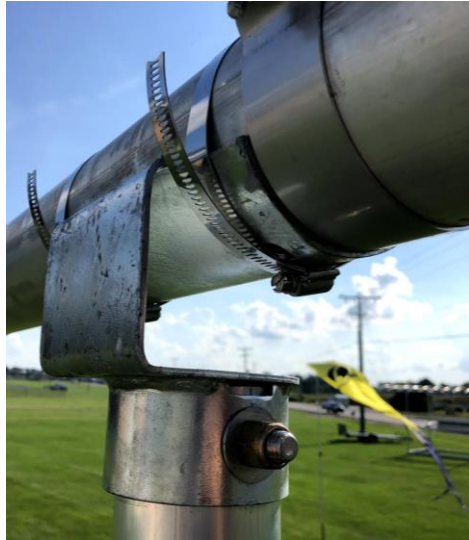
- (8) Stainless Hose Clamps

This step requires 3-4 people. Set up 2 ladders, 1 by each adjacent corner post at the front of the boat lift.. Each person grab a corner of the canopy and carry it up the ladders while 1-2 people carry the rear

of canopy on the ground.. Set it down on the front cups. Continue to carry the canopy upward at an angle till it can be set on the other set of cups at the rear of the lift.

Position the canopy so there is a greater overhang on the front side, where the bow of the boat will be positioned. Typically there is one more bow past the front set of cups than the rear when in the final position.

See Image (8.1) below. Once in the final position, fasten down the canopy to the cups using 2 hose clamps on each cup. Be sure the canopy is square on the lift.



(8.1)

Step #9 Install Diagonal Braces

Parts Needed:

- (2) Diagonal Brace Tubes*
- (10) Stainless Hose Clamps*
- (4) 3/8" Stainless Bolts*
- (4) 3/8" Galvanized Nuts*
- (2) Cups*
- (2) Post Brackets*



The Diagonal Braces will be installed on the side of the canopy with the greatest overhang to give it additional support due to the greater weight. An additional set can be purchased to install on the other end of the canopy for windy areas.

Attach a cup to the end of a brace tube using a bolt and nut. Be sure the nut will be facing the inside of the lift to prevent it from tearing the canvas. Attach a post bracket to the other end of the brace with the nut on the inside towards the lift.

See image (10.1) and (10.3) below. Place the cup down the canopy side tube far enough that when finished, it will form a 45° angle between the canopy and post. Attach the cup to the canopy side tube using 4 hose clamps. Be sure the cut out in the cup faces outward from the lift.

See image (10.2) below. Slide a hose clamp through the cut-out in the post bracket. Push up on the canopy frame tube while tightening the hose clamp around the post. This will prevent the canopy frame from sagging and give it added support.

Repeat on the other side to install the other brace.



(10.1)



(10.2)



(10.3)

Step #10 Install Vinyl Canopy Cover

Parts Needed:

(1) Premium Vinyl Canopy Cover

Bungees

Start on the end of the canopy frame facing the lake. On the inside of the cover is the black quicklash webbing that the bungees will be strung through. Begin by lining the webbing with the end bow on the canopy hood. Once it is lined up, roll the canopy out near halfway down the canopy frame. Then begin to spread out the cover over the end of the canopy.

See image (9.1) below. There is a break in the black quicklash to indicate where the corners of the cover are. They should be lined up with the corners of the canopy frame. Once the end of the cover is correctly positioned on the canopy, begin to string bungees from the corners of the cover to the corner white spools on the hood.

See images(9.2)-(9.5) below. To install the bungees, first find a gap in the quicklash that best aligns behind each white spool. Then push the end of the bungee with the metal crimp through the quicklash (9.2). Then form a loop with the other end of the bungee and push the metal crimp through the loop (9.3). Pull tight (9.4). Then take the end with the metal crimp and pull it under the bottom of the canopy side tube. Wrap it around the white spool on the bow. The metal crimp should be centered on the white spool (9.5).

Use the bungees with gold hooks on them to connect the cover to the white spools on the end hood spreader tubes. The hooks may need to be bent slightly open to fit well on the spool.

Once the end of the cover facing the lake is secured, roll it out completely on the canopy frame. Be sure to add bungees along the way to prevent it from flying up, alternating sides to keep the canopy centered. A bungee should be installed on each end of every main frame bow.

When all the bungees are in place and both ends are secured, use a 9/16" wrench to tighten the nut on the tensioner found on the white hood corners. It will tighten the canopy to prevent it from flapping in wind and other damage.



(9.1)



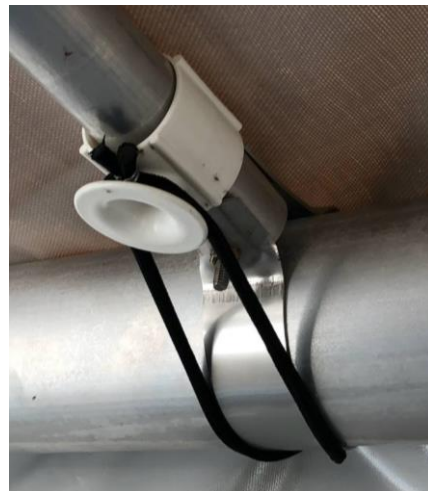
(9.2)



(9.3)



(9.4)



(9.5)

Your Local Atlas Dealer is:

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