Hip Roof Canopy Instructions



ACAUTION - PUT SAFETY FIRST

- 1. NOT COMPLYING WITH THE PROCEDURES AND PRECAUTIONS OUTLINED IN THIS MANUAL MAY RESULT IN PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.
- 2. Before attempting to install this canopy, study and fully understand the proper operating procedures and safety precautions outlined in this owner's manual.
- 3. To avoid personal injury use proper protective clothing and safety eyewear when assembling, installing, removing, or servicing this product.
- 4. A canopy frame with the canopy cover attached is a wind hazard! Do not leave cover on frame unless canopy is secured to a properly installed boat lift.
- 5. Do not assemble or use this product if items are missing or damaged.
- 6. Canopy frame and cover cannot support excess weight. Do not stand on, hang from, or set heavy objects on canopy.
- 7. This product requires two or more persons to safely assemble and install.
- 8. Inspect all canopy bolts, nuts, cords, and hooks every three months for loose or damaged parts. Tighten or replace parts as needed.
- 9. If you have any questions about assembly, installation, or suitability of this product, contact an authorized dealer or ShoreMaster directly.

CAUTION - Your safety is the most important issue related to this product. It is critical that all assemblers, installers, and users read and fully understand the warnings and safety information contained throughout this manual before using this product. Failure to follow instructions may result in personal injury and may invalidate the applicable warranty.

Installation

The ShoreMaster canopy is used with ShoreMaster cantilever and vertical boat lifts. Many similarly designed canopy models are made by ShoreMaster. A canopy model may fit more than one boat lift model. A ShoreMaster canopy may fit many non-ShoreMaster brands. Contact ShoreMaster or an authorized dealer for more information.

Note: Canopy warranty applies only if installed with a genuine ShoreMaster manufactured frame and cover.

This product provides your boat with protection from the sun and rain. A canopy is a simple and time saving alternative to cumbersome mooring covers, provided your boat is properly raised and under your canopy.

The information in this manual is not all inclusive and does not cover all unique situations. Questions about assembly, installation, use, or suitability of this product can be answered by contacting an authorized ShoreMaster dealer.



Assembly and Installation

Note: Two or more people are needed to safely assemble and install canopy.

Note: On all 5/16" bolts, use a washer under the bolt head and use a lock washer and washer under the nut.

STEP 1

Place both frame sides with together as shown. Bolt together using the $5/16 \times 1-1/4$ hex bolt, two 5/16 flat washers, one 5/16 lock washer, and one 5/16 hex nut in each place as shown. Leave bolts loose until all bolts in are place.

STEP 2

Bolt canopy ends in place using the $5/16 \times 1-1/4$ hex bolt, two 5/16 flat washers, one 5/16 lock washer, and one 5/16 hex nut in each place as shown. Leave bolts loose until all bolts in are place.

STEP 3

Tighten all 5/16 hex bolts and nuts used in step 1 and 2.

Note: If the bolt holes along the two frame sides do not line up perfectly, first try to improve the alignment by pushing down on the spine where the frame sides meet. If they still do not line up enough to insert a 5/16 bolt, it will not damage the canopy to drill out the bolt holes from one side using 5/16 drill bit.



STEP 4

Remove blue lift caps from boat lift uprights. Lower boat lift rack to full down position and make sure there is no weight on the lift.

Note: The level your canopy legs are set at determines how high your canopy is compared with your boat lift. Canopy should be positioned as low as possible, while still allowing you access to boat from dock, when your boat is lowered into water. Estimate the distance to fully raise boat out of water (up and under your canopy) without interference. Proper canopy positioning also requires boat lift to be adjusted so lift is placed at proper dockside height.

STEP 5

Insert one $3/8 \times 1$ carriage bolt in the lift leg from the inside and attach loosely with one 3/8 brass flange nut as shown.

STEP 6

Slide the slotted canopy leg over the carriage bolt and tighten nut, at desired height. All legs need to be at the same height.

Note: Make sure to position legs with the sloped side facing out as shown.





STEP 7

Place the assembled canopy frame on the hip roof canopy slider legs in desired position. Secure frame to canopy legs by inserting 3/8 x 1 carriage bolts into access holes on the inside of the hip roof canopy frame and slide them to desired location. Pull lift leg/canopy leg in slightly so you can insert the carriage bolt through the hole in the hip roof canopy leg and secure with a 3/8 flange nut on all four legs.

STEP 8

Attach canopy braces to frames 26' and longer. (See hip roof canopy bracing instruction sheet).

Note: Frame position should match estimated boat and motor position. Most boats are positioned forward in lift to provide proper balance and support. Usually 1-4 feet of canopy frame extends past rear of lift and the remaining 6-16 feet of frame extends past front of lift.

STEP 9

Place the canopy cover over the canopy frame. Position the cover so it fits equally over the entire frame. Usually works best to set the canopy cover on the top in the center of the frame and unroll or unfold from there, make sure the cover is not inside-out.

ACAUTION To avoid personal injury attach nuts and bolts holding canopy frame to canopy legs very tight. Not securing this properly could result in frame sliding or falling out of position resulting in damage to canopy, boat, or lift. A falling or slipping canopy could cause injury to anyone in the area.

<u>ACAUTION</u> Canopy cover is a hazard if exposed to high winds! To avoid personal injury do not attach cover to canopy frame if wind affects your ability to safely fasten. Do not leave cover unattended on frame when attaching.

ACAUTION Stretching and attaching bungee cords requires strength and proper balance. To avoid personal injury always wear proper protective clothing and safety glasses. Do not let go of bungee cords when under tension. An eye injury or other bodily injury could occur.

STEP 10

Be sure the frame is in the desired position before proceeding.

STEP 11

Secure the cover to the frame with the bungee cords on the inside of the cover. Take the bungee cord and pull it toward the outside of the canopy frame, down around the bottom beam of the canopy frame, and hook the end to the welded angle strip on the inside of the canopy bows.



Operation and Use

Canopy provides best protection when your boat is positioned up and into the frame.

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-Severe or strong winds can pick up a boat, lift, and canopy. This would cause damage to equipment and injury to anyone in its path. Position your boat up within canopy frame to provide protection and reduce chance of severe winds circulating inside canopy.

-Do not raise boat lift up past recommended lift height to position boat higher in canopy. Over raising may cause damage to lift, canopy, or boat. If over raising appears necessary to properly position boat, remove lift and canopy from water and adjust canopy legs to desired level.

-Do not leave cover on canopy frame unless boat lift is firmly in place. Sink lift leg pads into lake bottom. Settling is helped by leaving boat on lift for several days and covering lift leg pads with lake bottom soil. These steps provide a suction effect.

-Secure boat lift with canopy to lake bottom or a stand dock if you have a hard lake bottom (little or no soil), experience violent winds, will not have your boat in lift during strong winds, or if you are using a boat under 1400 lbs. You can use augers or trailer house anchors to provide needed additional security.

Removal and Storage

The canopy cover must be removed when boat lift is not properly secure in water or if not being used regularly. You can remove the cover by detaching the bungee cords from the canopy frame.

-Stretching and removing bungee cords requires strength and proper balance. Do not let go of bungee cords when under tension. An eye injury or other bodily injury could occur. Always wear proper protective clothing and safety glasses.

NOTICE

-Canopy frames and covers cannot support extra weight. Remove the cover if you experience snowfall. Not removing the cover and allowing accumulation of snow on canopy could damage the frame and the cover.

-Store the cover in a warm dry place. Be sure the cover is clean and dry before folding or rolling up for storage.

-Store canopy cover in a warm dry place to avoid cracks from freezing. Do not fold or handle the cover if temperature is below 45 degrees Fahrenheit, cracking could occur.

Service

A properly maintained canopy will require little service to the frame or structure. A canopy cover used under normal circumstances should provide 5 - 10 years of use before needing replacement.

Inspect all canopy bolts, nuts, cord, and hooks every three months for loose or damaged parts. Tighten or replace parts as needed.

Check other parts once a year for cracks, breaks or wear. Replace parts as needed.

If damage occurs to any part, replaced damaged item before resuming use.

NOTICE Do not use chemicals or abrasives to clean your canopy cover. Using chemicals or abrasives will destroy your covers sun and mold protection. This will result in premature aging and decay of your cover. Use a soft dish soap and pressured water to clean your cover.

Hip Roof Canopy Brace Instructions

Parts List ITEM QTY PART NUMBER DESCRIPTION 1 2 1004325 Prt Channel 3.0 - Canopy Brace 2 2 1005024 Prt Tube 108.0 - Drilled 3 2 1005714 Telescoping Assembly - CANOPY BRACE 1024743 CANOPY BRACE BRACKET HIP ROOF 4 2 ---1 1024744 Bolt Bag Canopy Brace Hip Roof 5 1001956 Bolt Carriage 3/8-16 x 1.0 SS 304 4 1002427 6 4 Bolt Hex 3/8-16 x 2.5 SS 304 7 Set Screw 1/2-13 x 1.5 SS 304 Cup Point 4 1002558 8 1001793 Nut Square 1/2-13 Brass 4 9 8 1001802 Nut Flange 3/8-16 Brass

Failure to follow instructions may result in personal injury and may invalidate the applicable warranty.

Step 1. Attach channel 3.0 lift attachment to lift leg using a 3/8 x 1 carriage bolt and 3/8 flange nut in each place.

Step 2. Attach telescoping assembly to channel 3.0 using a $3/8 \times 2-1/2$ hex bolt and 3/8 flange nut.

Step 3. Slide tube 108.0 into telescoping assembly about 1' and secure by inserting the 1/2 square nuts into the nut clip on the telescoping assembly and threading the $1/2 \times 1-1/2$ set screws into the square nuts.

Step 4. Attach canopy brace bracket to tube 108.0 using a 3/8 x 2-1/2 hex bolt and 3/8 flange nut.

Step 5. Attach canopy brace bracket to canopy frame using a 3/8 x 1 carriage bolt, and 3/8 flange nut.

Note: Canopy brace required on all canopy frames larger than 24'.



Hip Roof Canopy Slider Legs Instructions

Part #: 1024903

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	1001956	Bolt Carriage 3/8-16 x 1.0 SS 304
2	8	1001802	Nut Flange 3/8-16 Brass

Failure to follow instructions may result in personal injury and may invalidate the applicable warranty.

Step 1. Insert one 3/8 x 1 carriage bolt through the hole in the top of each lift upright with the head of the carriage bolt on the inside of the lift upright.

Step 2. Thread a 3/8 flange nut onto the carriage bolts just enough to hold in place.

Step 3. Insert the hip roof canopy slider legs into the uprights of the lift, sliding the head of the carriage bolt into the slot of the hip roof canopy slider leg.

Step 4. Adjust all four hip roof canopy slider legs to the equal desired height and attach hip roof canopy to the slider legs using 3/8 x carriage bolts and 3/8 flange nuts.

