

# Assembly & Installation Instructions for Carver Support Poles

All Carver support poles are designed for maximum flexibility in height to accommodate the widest range of boats. **No matter which type of support pole or support system you ordered, every package contains:**

- 1 - 20" length of 7/8" aluminum tube with an attached lever-lock joiner on top and a protective vinyl cap on bottom.
- 1 - 18" length of 3/4" aluminum tube with an attached snap-end. If your boat cover does not require a snap end, simply cover the snap with the protective vinyl cap (included). If you ordered a Vented Support Pole or Boat Cover Support System, the snap does not need to be removed. Simply insert the snap end into vent or support system centerpiece.
- 2 - 18" lengths of 3/4" aluminum tube for height adjustment.
- 2 - 5" lengths of 7/8" aluminum tube connectors.

Determine the location where water is most likely to pool on the boat cover. This is where the support pole should be located.

Using the tube connectors, join the appropriate number of 3/4" tubes based on the height needed for your boat. You may not need to use both sections. To connect the tubes, insert one length of 3/4" tube into each end of the 7/8" connector and tap each end on the ground to ensure the connector is firmly seated. Repeat if the additional length of tubing is needed to achieve desired height.

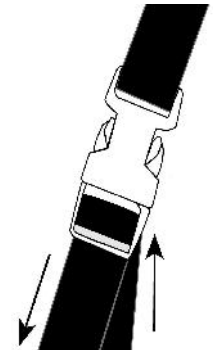
With the lever-lock up (open position), slide the connected 3/4" tubes into the 7/8" bottom tube. A snug fit is normal and there should be some "drag" when sliding the tubes. However, if you are unable to slide the 3/4" tubes into the 7/8" bottom tube, loosen the lever-lock screw by turning it counter-clockwise with a Phillips screwdriver one-quarter to one-half a turn. Adjust to the desired height, re-tighten the screw and push the lever-lock down (closed and locked position). As an added precaution, test the locked tubes by applying some force, making sure the tubes do not slip. If any movement is detected, tighten the screw another quarter to half turn. A minimum of 2 inches of 3/4" tube should remain inside the 7/8" bottom tube for stability. If the assembled pole is too tall, simply shorten one section of 3/4" tube using a hacksaw.

## Boat Cover Support System Instructions

**Step 1.** Unroll the two straps that are pre-attached to the support system center and unfasten the snaps at the ends. Attach the straps to the tow hooks (U-bolts) at the stern of the boat by threading the ends of the straps through the tow hooks and refastening the snaps. Do not tighten, leave straps slack.



**Step 2.** Unroll the 40-foot strap and thread it through the empty slot in the support system center. Thread the end of the strap through the slots on the quick release adjuster buckle (see illustration), so that the strap forms a complete loop. Position the buckle so that it is easy to reach, typically just forward of the support pole.



**Step 3.** Loop the 40-foot strap around the bow of the boat. Remove slack by pulling the loose end of the strap, but do not tighten completely.

**Step 4.** Pulling the loose end of each strap, tighten all three straps evenly so that the support pole is vertical and stable. **IMPORTANT: If any strap is touching vinyl seating or padding, take the precaution of placing a soft cloth or towel under the strap to prevent webbing from chafing the vinyl.**

**Step 5.** Install boat cover!

**Note:** For **pontoon boats**, two support systems can easily be connected. Fasten snaps on short straps to fore and aft tow hooks and use one 40-foot strap to connect the two support pole centers. If additional length is needed, two 40-foot straps can also be connected by simply looping one through the other and adjusting the length of one or both straps.

To trim length from any strap, cut strap with scissors and **lightly singe** the raw end using a cigarette lighter to fuse the yarns. This will keep the webbing from fraying and prolong the life of the strap. **DO NOT IGNITE STRAPS!**

# Support Pole with Boat Vent II

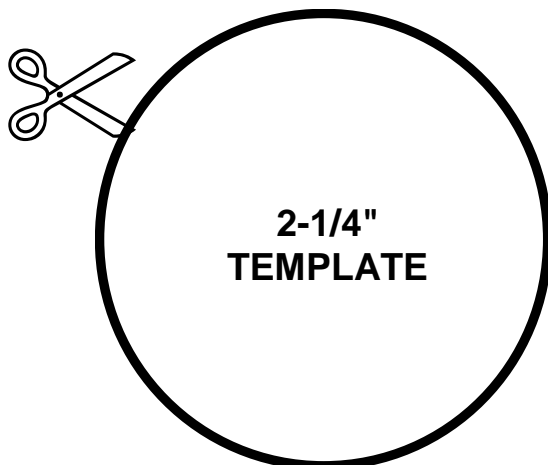
## Supports and Vents Canvas Boat Covers

Used with either a 3/4" or 7/8" telescoping support pole

### CAUTION



If you have purchased a traditional, non-vented support pole or a boat cover support system, please refer to the instructions on the opposite side of this instruction sheet. **DO NOT CUT A HOLE IN YOUR BOAT COVER UNLESS YOU HAVE PURCHASED A SUPPORT POLE WITH BOAT VENT II.**



## Installation Instructions

Tools Needed: Scissors

1. Mark the boat cover where vent is to be placed.
2. Cut a 2-1/4" hole in the boat cover using the template below.
3. Disassemble BOAT VENT II by twisting the large wing nut (bottom piece) counter-clockwise.
4. Separate the vent cap from the lower flange housing with a firm tug. The flange housing will separate into two pieces, upper flange and lower flange.
5. Slide the upper flange onto the vent cap by aligning the slots.
6. From the top (outside) of the boat cover, insert the vent cap through the hole in the boat cover so that the upper flange rests on the fabric.
7. From the bottom (underneath side) of the boat cover, connect lower flange to upper flange. A slight twist will align the slots so that the teeth in the upper and lower flanges lock into place, sandwiching the fabric between them.
8. Re-attach the large wing nut.
9. Slide support pole into vent and adjust to the desired height.