



# Assembly and Installation Instructions: Carver Support Poles

All Carver Support Poles are adjustable in height from 22" to 70", to accommodate the widest range of boats. Carver offers three different support pole styles. Support poles are designed to support your boat cover so that water does not pool. Your original purchase receipt/or packing slip will show which part number/style you purchased.

### EVERY SUPPORT POLE STYLE PACKAGE INCLUDES:

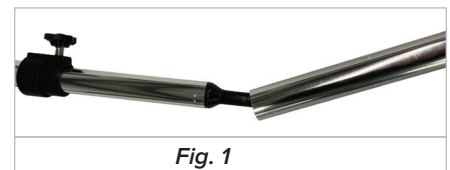
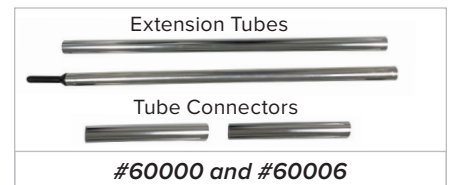
- 1 - 18" long, 7/8" aluminum bottom tube w/ attached thumb screw and protective large rubber foot.
- 1 - 18" long, 3/4" aluminum top tube w/ snap end.
- 2 - 18" long 3/4" aluminum extension tubes for height adjustment. (See additional note below for Part #60000 / #60006)
- 2 - 5" long, 7/8" aluminum tube connectors.



### SUPPORT POLE STYLES:

**Support Pole w/ Snap and Rubber End (Part #60000 and #60006):** If your boat cover was designed with a sewn-in snap patch or if you purchased a self-adhesive snap patch, snap the pole into the snap patch. If the cover does not have snap patch, cover the snap with the small rubber cap.

One of the 18" long 3/4" extension tubes will also include a tip end. ONLY use the tip if you have a pre-installed grommet in your boat cover. The tip should be inserted through the grommet. Grommets are not included. If your cover does not have a grommet, the tip end extension tube will easily fit inside the 7/8" tubes when connected and remain hidden (see Fig 1).



**Vented Support Poles (Part #60002):** Also includes a Boat Vent II cap. Insert tube w/ snap end into the Boat Vent II cap. The snap does not have to be removed. See additional installation instructions on page 3.

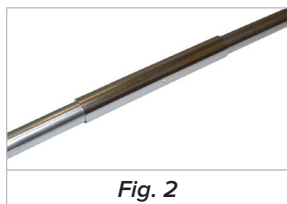
**Boat Cover Support System w/ Y-Strap (Part #60008):** Also includes Y-Strap support system centerpiece. Insert tube w/ snap end into the Y-Strap centerpiece. The snap does not have to be removed. See additional installation instructions on reverse side.

**Determine location(s) where water is most likely to pool on the boat cover. This is where the support pole(s) should be located.**  
Some covers will have a sewn-in snap patch for recommended support pole location(s).

A minimum of 2" of the top and/or extension tube should remain inside the bottom tube for stability.

If you use only the bottom and top tubes, the support pole will be between 22" and 34" high. Tighten the thumb screw to keep the support pole at the desired height.


For additional height, loosen the thumb screw and insert one 18" extension into the bottom and re-tighten the thumb screw



at the height desired. Install the 5" connector onto the 18" extension (see Fig. 2). Re-insert the top piece (w/ the snap end, vent end, y-strap centerpiece or tip end) onto the top of the 5" connector (support up to 52" high) OR add the second extension and connector before completing the assembly with the top piece which will provide support up to 70" high.

A snug fit is normal and there will be some "drag" when sliding the tubes. If you are unable to

slide the top or extension into the bottom tube, you may loosen the thumb screw by turning it counter-clockwise with a Phillips screwdriver one-quarter to one-half a turn. Ensure the connections are tight. If the assembled pole is too tall, simply shorten one of the 18" extensions using a hacksaw. To avoid damage to your cover, remove support poles prior to trailering.

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## Boat Cover Support System (Y-Strap) Instructions

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 U-Bolts (see Fig. 3) 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.
2. Unroll the 40-foot strap and thread it through the empty slot in the support system center (see Fig. 4). Thread the end of the strap through the slots on the quick-release adjuster buckle (see Fig. 5), 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.
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.
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.**
5. Install boat cover!



Fig. 3

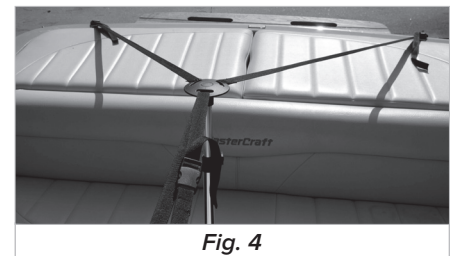


Fig. 4

**PONTOON BOATS:** For pontoon boats, two support systems can easily be connected (see Fig. 6). 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.

**NOTE:** 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!**

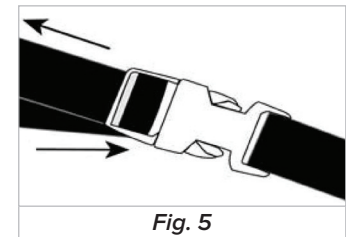


Fig. 5



Single Support System - Fully Installed

### PONTOON BOATS:



Fig. 6 - Pontoon using two support systems



Avoid damage to your cover! Support poles should be used to keep water from pooling during storage. Never trailer your boat with support poles installed!

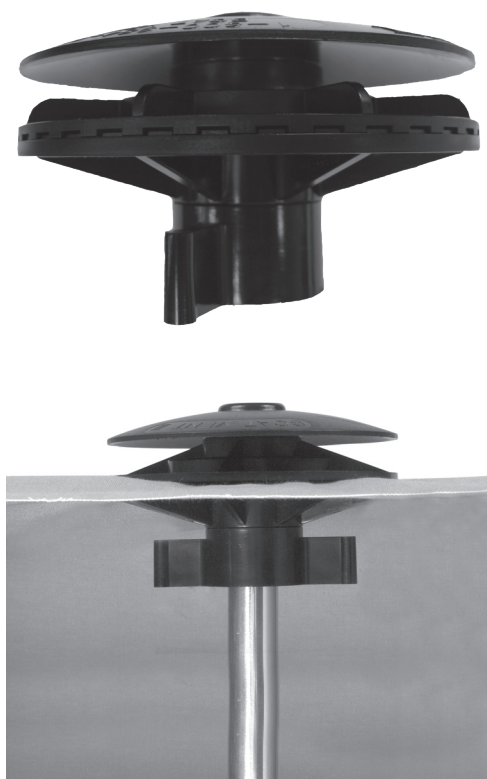


## Support Pole with Boat Vent II

Supports and Vents Canvas Boat Covers  
Used with Either a 3/4" or 7/8" Telescoping Support Pole



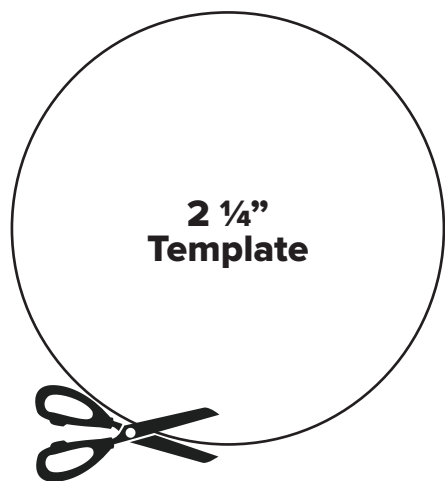
If you have purchased a traditional, non-vented support pole or a boat cover support system, please refer to the instructions from page 1-2. **DO NOT CUT A HOLE IN YOUR BOAT COVER UNLESS YOU HAVE PURCHASED A SUPPORT POLE WITH BOAT VENT II.**



### 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. NOTE: Lower flange should be installed with the ridged side up, against the cover. 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.



Avoid damage to your cover! Support poles should be used to keep water from pooling during storage. Never trailer your boat with support poles installed!