



Neptune Tele-Shade Installation Instructions



Neptune Tele-Shade

T34-2001VEL-1

Contents

Qty	Description
2	Front leg assemblies (with stainless steel pull pin)
2	Rear leg assemblies (with stainless steel push pin)
1	Port ring side
1	Starboard ring side
3	Ring cross braces 58-1/4"
2	Ring joiners 45-1/2"
6	Tubing joiner fittings
4	1-1/4" x 1/2" joiner pins
4	Tubing clamps
1	Port top console mount (identified on underside of mount)
1	Starboard top console mount (identified on bottom of mount)
1	Port bottom console mount (identified on bottom of mount)
1	Starboard bottom console mount (identified on bottom of mount)
8	1/4" stainless steel lag bolts and washers
6	Black tubing plugs
1	Canvas with lacing
2	Stainless steel locking pins
6	1-1/2" cap screws

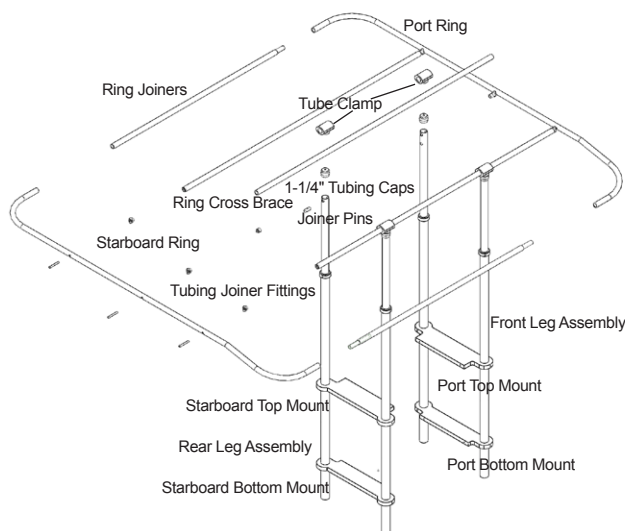


Recommended Tools:

- Level
- Tape measure
- Straight edge
- Masking tape
- Allen wrench
- Drill



Installing the Console Mounts



- 1) Place the drilling template on the port side of the console, aligning the dotted line with the top edge of the console (Figure 1).
- 2) The 5° lines marked port are the relative drilling positions for the top and bottom mounts.
- 3) The overall width of the mount extends 1" to the left and right of the center of the drill hole. (You may have to reposition your template to prevent the mount from extending over the side edges of the console).
- 4) Drill the top mounting holes with a 5/16" drill. *Make sure the mount is level and that there are no obstructions behind the mount (Figure 2).*

5) The lower mount must be at least 15" below the top mount. Use the same technique as in Step 2.

Note: The top mount is larger to accommodate the draft of the console (consoles are narrower at the top). It is imperative that the legs are vertical left to right.

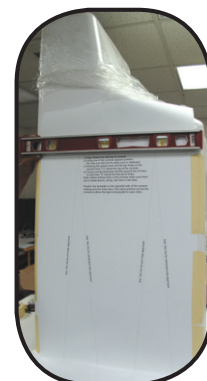


Figure 1

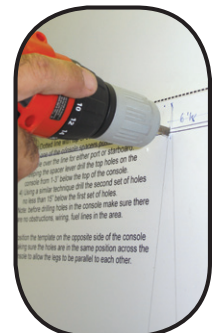


Figure 2

Intalling the Console Mounts (Continued)

- 1) Install the port mounts. *Remember the legs rake toward the stern, the mounts are machined to allow the leg to fit in at the correct angle. It is imperative that the legs are vertical left to right (Figure 3).*

Tip: To achieve a tighter fit to the console, the console mounts can be cut down using a table saw with a standard wood blade.
- 2) Using the 1/4" lag bolts and washers, attach the mounts through the inside of the console. If the console is less than 1/2" thick you will need a backing plate to prevent the console from cracking. The console spacers allow for adjustment on the mount to keep the legs vertical.
- 3) Slide the legs through the mounts. The front leg has a pull pin lock and rear legs has a spring loaded locking pin. Once the legs are installed and vertical (port to starboard) tighten the mounting bolts.
- 4) There are set screws in the front and back of the mounts. Tighten these gently against the tube. Do not over tighten as you will deform the tube and the legs will bind.



Figure 3

Assembling the Legs



Figure 4

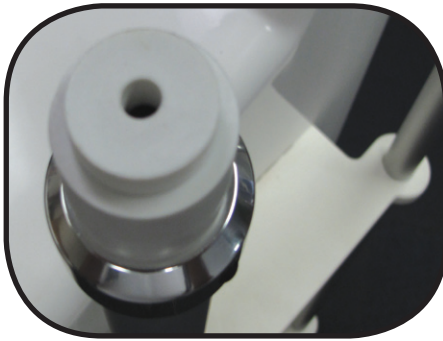


Figure 5



Figure 6



Figure 7

- 1) Insert the 1/2" joiner pins completely through the tube at the top of the upper leg. The threaded hole in the pin must be parallel with the leg. Make sure the pin is flush with the side of the tube (Figure 4).
- 2) Place the 4 tubing caps over the 1-1/4" tube. These caps hold the joiner pins in place (Figure 5).
- 3) Make sure the legs are in the locked position (*the pull pin is in place and the spring pins are snapped into the locking holes*).
- 4) Remove the Allen bolts that hold the clamp together, and remove the rubber inert to allow access to the 5/16" bolt in the clamp.
- 5) The clamp fits over the tubing cap and the bolt threads into the joiner pin. Gently tighten the screw so that the clamp can still turn on the tube (Figure 6).
- 6) Take one of the cross braces and lay it in the saddle of the clamp, this will align the clamps. When the clamps are aligned, tighten the 5/16" screw securely to prevent the clamps from turning (Figure 7).

Assembling the Ring

- 1) Pass the 2" screws through the larger diameter holes in the ring sides. There are 3 holes in each side ring.
- 2) Place the tube joiner fittings over the threads of the 2" screws and gently thread them in. **Do Not Tighten Yet!**
- 3) Push the ring cross braces over the joiner tube fittings on one of the ring sides till the tubes bottom out on the fitting.
- 4) Tighten the 2" screws to expand the fitting locking the tube in place. Do this for the 2 additional cross braces.
- 5) Insert the front and rear ring joiners into the ring side.
- 6) Using the same procedure as in step 3, attach the opposite ring side to the cross braces and front and rear joiners. Tighten all bolts firmly.
- 7) **Note:** *There may be a space between the edge of the front and rear joiner and the ring sides. This will disappear when the canvas is strung tight.*
- 8) Install the 6 black plugs into the bolt holes, tapping the plugs in lightly with a hammer.

Installing the Ring

- 1) Install the rubber insets into the clamps.
- 2) Place the front 2 cross bars into the clamp saddles (Figure 8).
- 3) Using a tape measure center the ring in the saddle left to right.
- 4) Install the clamp cover and tighten.



Figure 8

Canvas Top



Figure 9

- 1) Place the canvas over the top of the ring and center it.
- 2) Tie off the lacing to the middle of the side ring and begin lacing the canvas.
- 3) Pass the lacing through the grommet around the tube and back through the same side of the grommet (Figure 9).
- 4) Bring the lacing down the underside of the canvas and up through the next grommet hole.
- 5) Once 2 sides are completed, the third side can be pulled tight to draw the ring together.
- 6) Once you reach the last grommet, tie off the lacing with several wraps around the tubing and square knot it to the grommet.

Testing

- 1) Release the pull pins in the front legs.
- 2) Squeeze the rear leg release pins and lift the top by the ring.
- 3) Make sure the top works freely and locks into all 3 position.



TACOMarine.com
info@TACOMarine.com
Tech Support: 800-653-8567
INSTRUC-T34-2001VEL1