

# Pacific Oceanering & Design

## Installing Bayliner 3288 or 3888 Cockpit Hardtop

1. Remove screws from hand rail bases across back of existing cabin roof. (If possible remove/loosen fasteners from existing cabin roof upper hand rail so stanchions can be swung up and out of the way. If stanchions can not be swung out of the way, prop them up off of the cabin roof and clean off old caulking)



2. Mount supplied hardtop support stainless steel stanchions
  - a. On both the port and starboard sides of the wood transom cap make a mark 8 inches in from the outside edge of the wood cap along the centerline of the wood cap towards the boat's center line.



- b. Align the center of the port stainless steel stanchion tube with the 8 inch mark.

- c. Using the stainless steel stanchion base as a guide, drill one 3/16th inch hole through the base plate hole, the wood cap and the deck fiberglass.
- d. Use a #14 screw to hold the port stainless steel stanchion base in alignment while the remaining holes are drilled through the remaining base plate holes, the wood cap and the deck fiberglass.
- e. Put caulking compound (White Sika Flex) in the holes and on the screw threads.
- f. Mount port stainless steel stanchion by driving screws through base with a 1/2 inch drill using a long Robertson screw driver bit (supplied).



- g. Repeat this process with the starboard stanchion
3. With help, "man handle" the Bayliner Cockpit Hardtop into position on the stainless steel stanchions and then lift it forward so that the forward "lip" of the hardtop rests on the back of the existing cabin roof. (The area where the hand rail stanchions have been temporarily swung out of the way).

4. To fit the Cockpit Hardtop to the cabin roof side “relieve” the cabin side wings if needed. Use a coarse file.



5. Align companion way opening in hardtop with existing ladder opening in cabin top. Make sure hardtop is not twisted to port or starboard. Sight down hardtop sides and make sure hardtop is square to cockpit sides. The opening in the hardtop for the ladder should be as far forward as possible. Approximately 5 to 5 1/2 inches of the hardtop flat flange should rest on the existing cabin roof. Clamp in place. Re check alignment.



6. Drill  $\frac{1}{4}$  inch holes through hardtop forward flange and cabin top on either side of the ladder opening. Drop in  $\frac{1}{4}$  inch bolts to maintain alignment. Drill 3 more equally spaced  $\frac{1}{4}$  inch holes to port of the ladder opening and 5 more equally spaced holes to starboard of the ladder.
7. Raise front of the hardtop up and wipe underside of the hardtop and the aft cabin roof with acetone.
8. Apply a generous “blob” of white Sika Flex around each hole in cabin roof.
9. Reposition the hardtop (use a screw driver to locate and align the holes)
10. Bolt the hardtop flange to the cabin roof. Use a small stainless steel washer under the bolt heads and a large stainless steel washer under the Nylock nuts. Apply white Sika Flex under each bolt head washer and to the bolt threads. Tighten each nut uniformly then break off the excess length by grasping the bolt with vice grips and “rocking” the bolt end until it shears off. File off burr. Clean away excess caulking with acetone.
11. The stainless steel stanchions can now be fastened. Push/pull the stanchions into the aft edges of hardtop. Stanchion angles should match the slope on the cabin sides. Top stanchion mounting plate should be as far aft as possible.
12. Drill easiest port stanchion upper plate hole with a  $\frac{1}{4}$  inch drill and drop in a  $\frac{1}{4}$  inch bolt from the top to maintain alignment while drilling the remaining two holes. Use a small stainless steel washer under the bolt heads. Apply white Sika Flex under each bolt head washer. Tighten each Nylock nut uniformly, and then break off the excess length by grasping the bolt with vice grips and “rocking” the bolt end until it shears. File off the burr.



**Note:** The stanchion mounting plates may need to be pounded with a heavy hammer to make them align with the wood transom cap or the underside of the hardtop. **Use a block of wood between the hammer and the stanchion mounting plate.** Do this while the bolts are being tightened

13. Attach the Starboard stanchion using the same procedures

14. Reinstall Cabin stanchions and railings

15. Caulk front edge of new hardtop where hardtop attaches to the cabin top

Completed installation.....

