

OR-BA-12

DELUXE OUTRIGGER BASE



DELUXE BASE HARDTOP INSTALLATION

Please read all instructions before installing your new bases

INSTALLATION NOTES

Please ensure that your t-top is sufficiently strong and rigid enough to mount these bases and fish with the deluxe system.

If your hardtop does not include reinforced backing, we highly recommend backing plates for installation. Backing plates are available from gemlux (part: or-bp-02) (not included).

If your t-top canopy is significantly curved or arched, we recommend using wedge plates to ensure your outrigger base mounting surface is parallel to the bottom of the canopy. 7.5° Wedge plates are available from gemlux (part: or-bw-12) (not included).

Every installation is different; please check that your fasteners are the appropriate length. We recommend a fastener length approximately equal to your canopy thickness + backing plate thickness + 1".

(Fasteners should be installed with hand tools to 50-60 inch•lbs. Do not use power tools to install fasteners. Gemlux is not responsible for broken fasteners)

Remember, exposed fiberglass and similar composites are irritants to the lungs, eyes, and skin. Always remember to wear personal protective equipment.

Always treat power tools with respect

NEED (not included):

- Personal protective equipment (at least: eyewear, mask, gloves)
- Manual screwdriver
- Drill with 5/16" drill bit (for best results, use a 21/64" bit for correct clearance)
- 3" Hole saw (if your canopy is flat) or 3-1/8" hole saw (if your canopy is curved)
- Masking tape
- Wrench
- (8) Stainless steel 5/16" - 18 UNC bolts, 70+ ksi tensile strength with (8) matching stainless steel nuts (we recommend acorn nuts)
- (8) Stainless steel washers
- (8) Nylon/Fiber Washer
- (2) Backing plates
- Loctite blue 242

OPTIONAL (not included):

- Marine-grade sealant (such as 3m 4200 or 5200, sikaflex 291, etc.)



HARDTOP INSTALLATION

- 1 Clean the hardtop around the installation surfaces. Ensure that the area is completely dry before continuing.
- 2 Select the desired installation location of your bases by ensuring that there is enough room in the hard canopy for the 3-1/8" hole (3" hole if the canopy is flat) and bolt pattern. Check that the canopy is less than 3.5" thick (less than 3.25" thick if using a backing plate). Check that there is enough room underneath for rotational clearance of the handle. (The minimum clearance needed is a 3.75" radius, but we recommend at least 4.5" clearance radius for comfortable use).
- 3 Completely tape the top and bottom of the hardtop in the area encircled by the installation template. Masking tape reduces the risk of the drill bit or hole saw chipping the fiberglass or fraying composites.
- 4 Put on your safety gear!
- 5 Align the installation template so that the long sides of the template run straight fore and aft. Adhere the installation template to the hardtop. Pilot drill all the way through the center of the large template hole. Then, drill the 3-1/8" hole (3" hole if your canopy is flat) halfway through the T-top and meet it from the other side, using the pilot hole for alignment. Drilling from both sides of the hardtop reduces the risk of chipping fiberglass or fraying composites.
- 6 Carefully slide the handle and lower half of the outrigger base through the large center hole. This is made easier if the handle is half-cocked first. The large center hole should be slightly larger than the lower cylinder of the outrigger base.
- 7 Confirm the base's fit, alignment, and stability. Adjust the included templates if necessary. Double-check the clearance for the handle by giving it a full rotation.
- 8 Remove the base and drill four (4) clearance holes for 5/16" fasteners.
- 9 After cleaning the canopy of the template and tape, reinsert your outrigger bases, using the included foam gasket or marine grade sealant adhesive to bed your bases to the canopy of the T-top. If using sealant, run a bead under the outer edge of the Deluxe baseplate and backing plate, and under the fastener hole of each.
- 10 Under the canopy, install the four (4) mounting fasteners (5/16"), with Blue Loctite 242 through the backing plate (not included) to the Deluxe Base.



We recommend using nylon/fiber washers, stainless steel washers, and stainless steel acorn nuts to complete the mounting arrangement. Clean up excess sealant with acetone if necessary (DO NOT USE alcohol-based cleaners).

- 11 Repeat steps 3-9 with your other Deluxe base.
- 12 Allow the sealant to cure. Enjoy your new Deluxe Outrigger Bases!

SOFT TOP INSTALLATION

Soft Top installation requires a reinforced bracket or mounting plate for installation. These are commonly available or can be custom made by a metal fabricator. It is recommended that nylon/fiber washers are used to separate any stainless steel from aluminum parts to prevent corrosion.

INSTALLATION TEMPLATE FOR OR-BA-12

DELUXE OUTRIGGER BASE

Do not use this template without first checking the dimensions. Please print this template at 100% or "Actual Size" and double check the dimensions with a ruler to this scales before drilling.

