

# INSTALLATION INSTRUCTIONS

**TACO**  
MARINE

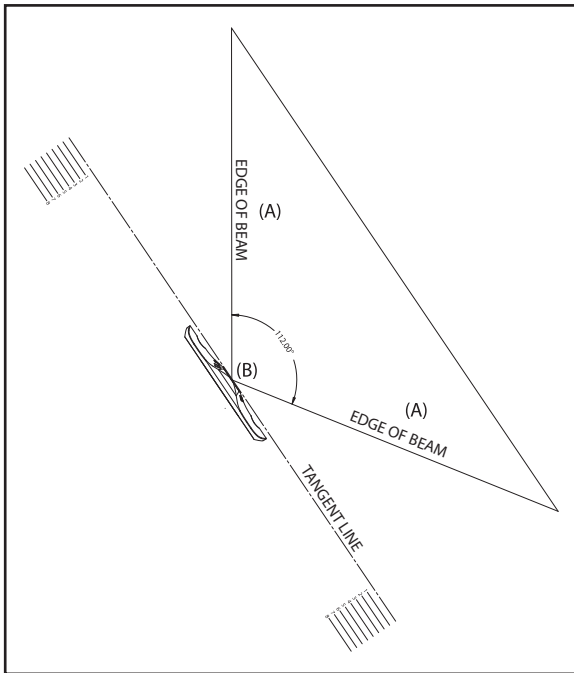
## Rub Rail Navigation Lights

**F38-6700-1 (Without Plug) / F38-6700-2 (With Plug)**

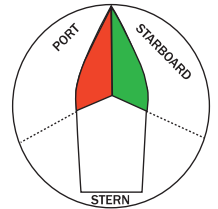
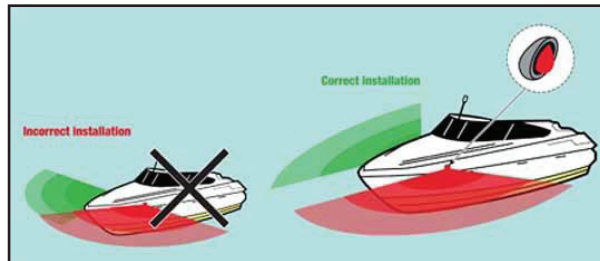
### TOOLS NEEDED:

- Safety Glasses
- Drill & Screw Gun
- Hack Saw or similar saw
- Pencil
- Masking or Painters Tape
- 1/8" drill bit
- 3/4" drill bit
- Marine Grade Electrical connectors
- Marine Grade Sealant

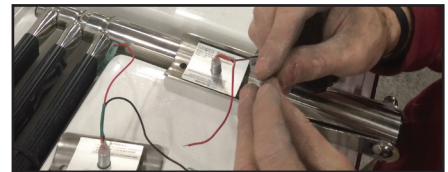
**CAUTION:** Certain bow shapes may not allow proper installation position for Rub Rail Navigation Side Lights. I.E. pontoon boats, or other square bow shapes, and certain tight radius bow shapes. Do not place on Rub Rail with other lights. Contact Taco Marine Customer Service for questions or assistance before installing lights. Taco Marine not responsible for incorrect installation by boat builders or consumers. Side light beam "edge" line should NEVER CROSS over to each other (Red or Green). Both color light beams MUST BE PARALLEL to each other facing forward in the mounting position installation.



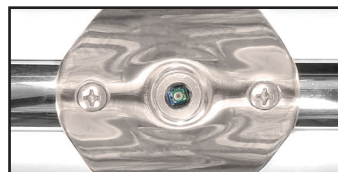
Positioning Guideline



Step #5



Step #7



Step #8

1. Using enclosed diagram with Edge of Beam lines facing outward from boat, Edge of Beam (A) line must be parallel to the centerline of the boat and parallel to Edge of Beam on the opposite side light while lights are illuminated.
2. Slide diagram along rub rail until Edge of Beam line is parallel to the centerline of boat.
3. Using the center of the light beam lines (B) noted on diagram, place a mark on the rub rail.
4. Drill 1/8" pilot hole into the rub rail. For STAINLESS insert applications, you must have a section cut away from the stainless insert to drill pilot hole into rub rail. For VINYL insert applications, you can simply drill pilot hole through insert into the rub rail.
5. After completing Step 4, drill a 3/4" hole into rub rail and insert if appropriate. Clean away any debris or rough edges in rub rail and/or insert hole.
6. Before making electrical connections, insert nav light fixture into the 3/4" hole and mark for fasteners of cover plate.
7. Remove the light fixture and use recommended procedure and marine connectors to strip and connect wires to the power (red+) and ground (black -) source.
8. Fasten nav light fixture to the rub rail using #8 stainless fasteners (not included). Fastener threads and hole through rub rail should be sealed using Marine Sealant is recommended.
9. Follow same procedure (Steps 2-8) for mounting light to the other side of the boat.

# SERVICE INSTRUCTIONS

**TACO**  
MARINE

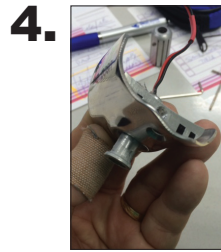
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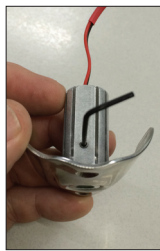
View of assembled navigation light after removal from boat

Disconnect wiring, unless you have enough wire to allow removal of light and having up on deck to prevent items from falling into water or overboard.



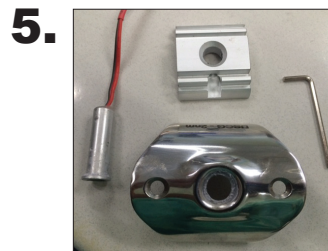
View of LED being slid out of heatsink and cover plate

Slide LED out of heat sink plate and light cover. Set all items aside to prepare to replace with new LED.



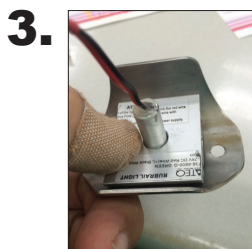
View of inserting Allen head wrench

Make sure wrench is fully seated and not loose to turn counter-clockwise. Loosen set screw but be careful not to loosen too much and it falls out. Only loosen set screw enough to slide LED out of heatsink and the cover openings.



View of all components disassembled

Once the new LED is ready, you should apply a small amount of heat sink grease, (available online or most electronic supply stores) to the shaft of the new LED, where the inner heat sink hole and LED shaft make contact with each other. The heat sink grease helps to dissipate heat effectively. After applying heat sink grease, simply reverse all previous steps. Be sure you hold the heat sink plate and LED together while tightening the set screw to finish the tasks.



View of how best to hold heat sink and cover plate while removing LED

Slowly turn Allen wrench counter-clockwise, LOOSEN, but do not remove set screw.