

# MASTERCRAFT

## Ski Tow/Grab Bar Installation

**Model:** 2005 MasterCraft PS197

**Parts:**

- Ski Tow/Grab Bar, Stainless Steel Backing Plate, Rub Rail End Covers (MC): \$156



- Aluminum Support Plate 1/8" x 1 1/2" x 36" (Home Depot): \$8.20
- 4 Stainless Steel (SS) Fender Washers 5/16" x 1 1/2" (HD): \$4.50
- 4 SS Nylon Lock Nuts 5/16 -18 (HD): \$3.50
- 4 SS #6 x 1-1/4" Sheet Metal Flat Head Phillips screws (HD): \$1.40
- Silicon Caulk (HD): \$3.00

**Tools:**

- Sharp drill bits up to 5/16"
- Phillips Head and large Flat Blade screw drivers
- 1/2" ratchet wrench
- Hack saw blade and handle
- Hair dryer

**Instructions:**

Step 1: Remove MC rub rail cover plate (2 Phillips Head screws).



Step 2: Place a pencil mark on the boat where the two rub rail ends meet to use later as one reference point for centering the grab rail.

Step 3: Remove 2+ feet of rub rail from each side of center (large flat blade screw driver).



Step 4: Remove same amount of rail (multiple Phillips Head screws).

Step 5: Locate/mark the center of the stern where the grab rail will be mounted. Use pencil mark from Step 2, the point where storage bin cushions meet and eye ball that alignment with the ski pylon.

Step 6: Mark the 4 grab rail holes to drill using the provided backing plate as a template. Check the "marked" holes with the actual grab bar bolts to ensure they line up. Bolts on grab bar may be at a slight angle/not perfectly straight. Also, use the template to mark the 4 holes on your aluminum support bracket.



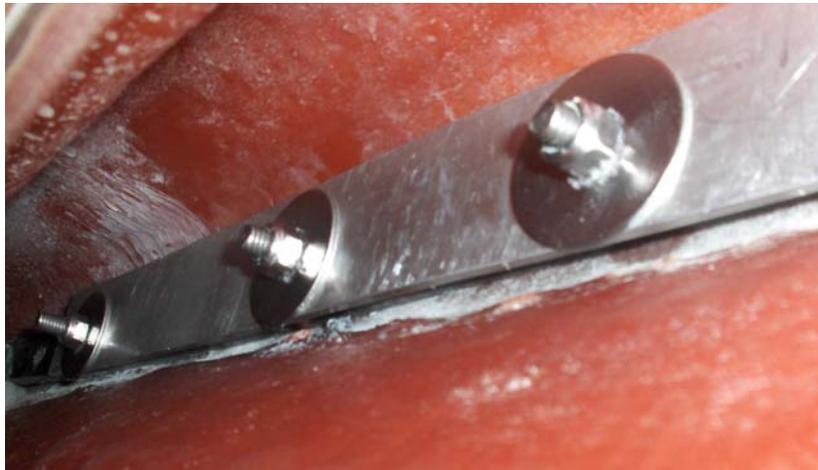
Step 7: Remove flooring/backing from storage area to ensure no wires, etc are in the way. The rub rail is anchored by a 1" x 1/4" plastic composite strip.



Step 8: Drill 4 holes in the boat and 4 holes in support bracket. To prevent chipping the fiberglass, use smallest drill bit first and then worked up to a 5/16" bit.



Step 9: Install grab rail & stainless steel backing plate; the lip on the bottom of the plate faces the boat. Fill holes (front/back) w/silicon before/after pushing bolts all the way through. Install support bracket, add 4 washers and 4 nylon lock nuts (1/2" ratchet wrench).



Step 10: Cut rub rail at least  $\frac{3}{4}$ " from end of grab rail plate to make room for the end cap covers (the end caps are slanted at the end closest to the rub rail plate; hence, the reason to cut/remove at least  $\frac{3}{4}$ " of rub rail so they will fit flush to the plate).



Step 11: Reinstall rub rail. Use hairdryer to help soften the material and a large flat blade screw driver to push it back into the rail.

Step 12: Align end cap covers, mark, drill holes and insert SS screws.



Step 13: Stand back and admire a job well done!