

# Retractable Wheel Kit Rigid Mounting Instructions

Designed for any portable boat under 12' (3.7m) with a rigid transom, not exceeding 250 pounds (113kg) total weight, including outboard motor.

## General Application

1. Mount as far apart as possible and in a 90° orientation from the ground. **Fig. 1**
2. Mount 1/2" (13mm) above extreme bottom of transom, 90° from exact horizontal bearing. Note: bracket has a top and bottom. The word "bottom" is moulded in. **Fig. 2**

### 3. Plywood transoms

- a) Use 1/4" (6mm) stainless steel fasteners.
- b) Measure total thickness of transom and bracket flange for correct length screw. Keep screw point just short of protruding through back of transom. **Fig. 3**
- c) Drill a very small pilot hole 3/4 of the way through transom from back (outside).
- d) If desired, stainless steel bolts may be used for added strength.

### 4. Metal or Fiberglass Transoms

- a) If aluminum or fiberglass transom has a plywood back-up support, you may mount as above #3 at your option.
- b) For unsupported transoms (no plywood back-up) use 10/32 stainless steel nuts and bolts. Use bolts that protrude 3/8" (10mm) through side of transom. **Fig. 4**
- c) We recommend the use of #10 stainless steel fender washers for back-up support on the inside of transom. 1" x 1" x 1/4" (25mm x 25mm x 6mm) square waterproof plywood butt blocks can also be used in place of fender washer. **Fig. 5**

### 5. Waterproof Seal

- a) We recommend using regular marine sealant like West Marine Multi-Caulk or Silicone Sealant. Follow directions on tube.
- b) Apply sealant in 1/8" (3mm) diameter bead all the way around all sides of back of bracket; circle holes, completely filling sealer rings generously. Note: A countersunk hole collects sealant when bracket is tightened down, making a watertight seal around screw or bolt. **Fig. 6**
- c) Wipe off excess.

### 6. Care and Maintenance

- a) The Retractable Wheels are impervious to all outdoor elements and most chemicals.
- b) Wheels are self-lubricating and maintenance-free. If used on sandy beaches, spin wheels in water in down position or hose briefly to dislodge caked sand and salt buildup.

**Do not** use on boats exceeding 250 pounds (113kg) total weight including outboard motor.

**Do not** wheel boat faster than a walk.

**Do not** tow from a vehicle.

**Do not** engage wheels up or down with outboard motor running. To do so could cause injury.

