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Aqua Pod Motor Mount Retrofit

December 12, 2003

Parts list:

- (A) four - 1/4-20 x 2.25 ss bolts
- (B) two - 1/4-20 x 1.25 ss bolts
- (C) six - 1/4-20 ss nuts
- (D) twelve 1/4 ss washers
- (E) six - 1/4 ss lock washers
- (F) two 10-32 x 3/8 OD neoprene well-nuts
- (G) two 10-32 x 1 ss flat head machine screws
- (H) one fiberglass transom
- (I) one 2x4x20 1/2 Trex mounting board
- (J) two 10-24 x 2 ss flat head machine screws
- (K) Coast Guard approved capacity label

Tools needed:

- drill
- pencil or scribing tool
- 7/32, 3/16, 9/32 and 3/8 drill bits
- 7/16 wrenches
- screw drivers

WEAR SAFETY GLASSES WHEN WORKING WITH POWER TOOLS.

Fiberglass Transom Installation:

1. If your Pod has a stern cleat, remove it.
2. Place the fiberglass transom (H) on the stern deck of your Pod and up against the gunnel.
3. The transom must be in direct contact with the fiberglass deck of the Pod. Remove any other obstructions that may be between the two, such as shock cords.
4. Center the transom from side to side and inspect the mating surfaces to ensure a good fit.
5. Using the two forward holes in the transom as a template, drill two 9/32 holes through the deck of your Pod into the cockpit area (see Figure 1).
6. Locate the two smaller, rear holes on the transom as a template (these are the counter-sunk holes). Drill with a 7/32 drill bit, or use a pencil or scribe to mark these hole locations on the deck of your Pod (Figure 2). Keep the the 9/32 holes drilled in Step 5 aligned.



Figure 1



Figure 2

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7. Remove the transom and drill just the two back holes using a 3/8 drill bit (F(Figure 3)).
8. Insert two neoprene well-nuts (F) into the 3/8 holes in the deck. If the nuts have a very snug fit, partially insert a 10-32 x 1 screw to help push in the well nut (Figure 4).



Figure 3



Figure 4

9. Place the transom back on the Pod and align the four holes.
10. Place one washer (D) onto each of the 1/4-20x1.25 bolts (B) and insert these through the transom and into the Pod. From the cockpit side, load each bolt with another washer (D), then a 1/4 ss lock washer (E), and then a 1/4-20 nut (C).
11. Insert a 10-32 x 1 screw (F) into each of the rear mounting holes through into the well-nuts and tighten.
12. Using 7/16 wrenches, tighten the 1/4" bolts.

Trex mounting board installation:

The mounting board can be installed so that the motor hangs to the left or right side.

1. Align the holes in the Trex (I) with the four holes in the transom (H).
2. Place one washer (D) onto each of the 1/4-20x2.5 bolts (A) and insert these through the Trex (I) forward into the transom (H). From the transom side, load each bolt with another washer (D), then a 1/4 ss lock washer (E), and then a 1/4-20 nut (C). See Figure 5.
3. Using 7/16 wrenches, tighten the 1/4" bolts.

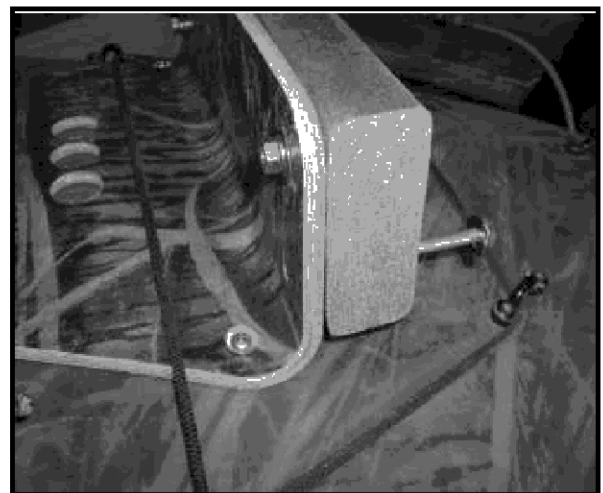


Figure 5

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Coast Guard Capacity Label

1. Thoroughly clean all grit and grime from the center of the fore or aft bulkhead. If soap and water was used, rinse and dry the surface completely.
2. Remove the paper backing from the adhesive label (K), and adhere to the bulkhead.
3. Working from the center to the outside edges, rub out any trapped air bubbles.

Re-Installing the stern cleat (optional):

Follow these steps if you removed the stern cleat in Step 1 of “Transom Installation”.

1. Locate the original cleat mounting holes from inside the Aqua Pod cockpit.
2. Using a 7/32 drill bit, back drill from inside the cockpit up through the fiberglass transom (H).
3. Replace the original 10-24x1.5, flat head screws with the 10-24 x 2 screws (J) that were included with the Motor Mount
4. Inside the cockpit, place a washer on each screw followed by the nyloc nut.
5. Tighten using a wrench and a screw driver.

Hanging your motor:

The Aqua Pod motor mount was designed and tested around a standard, transom mount electric trolling motor. To date, other motors have not been tested. Do not exceed 2hp.

1. Always make sure that your motor is securely clamped to the Trex mounting board (Figure 6).
2. Periodically, inspect the nuts and bolts and re-tighten as necessary. Attbar recommends inspecting the hardware prior to each outing with your Pod.
3. For best weight distribution, locate your battery as far forward in the cockpit as possible. It is recommended to strap your battery box to the forward bulk head.
4. Always carry a paddle with your Pod, even when under power. Even if you do not need it for emergency paddling, you may end up in water too shallow to use your motor.
5. Check with your state to see if you are required to license your motorized Pod.
6. Most states require one all around white light for vessels under 7 meters (23 ft) that are under power (reference Washington state WAC 352-60-060). These lights are available from Attbar, or from a marine supply store.



Figure 6