

INSTALLATION INSTRUCTIONS FOR U.M.I. RACING SEA DOO HX STEERING SYSTEM

Tools Required:

Phillips screw driver	10 and 13 mm. wrench
Ratchet	Red loc-tite
2.5" hole saw	Drill motor
File	10, 13 and 17 mm. socket
Extension	4 mm. allen wrench
Marine grease	Oil
Silicone	

Steps:

1. Remove cowling from the hood using phillips head screwdriver.
2. Remove the handlebar pad cover by removing the 4 phillips head screws.
3. Remove the start/stop switch from the plastic housing on the bars.
4. Disconnect the throttle cable from the throttle housing on the bars. Note: If you are using a U.M.I. Racing finger throttle remove the lever from the housing and install it on the new U.M.I. throttle.
5. Unclip the overheat alarm from its housing.
6. Unplug the overheat alarm (brown black/black purple) and the start/stop switch (yellow red/black) wires at the connectors under the cowling. Using the detent tool (supplied) unclip the individual wires from the plastic connectors and pull the wires out through the steering head.
7. Disconnect the steering cable at the steering arm and cable mount clamp using 10-mm. socket. Save the bolts and mount clamp.
8. Lift the hood and remove the four 10 mm. bolts securing the steering assembly and remove assembly.
9. Using scissors, cut out template and place it on top of the hood in the stack steering assembly mounting area. Align the mounting holes on template with those on the hood and trace the large center hole from template onto the hood.
10. Cut the large center circle traced in step 9 out using a 2.5" hole saw.
11. Locate bearing housing and two round spacers (supplied). Fasten spacers to the two inboard holes on the bearing housing mounting bracket using the two 6 x 20 mm. flat head allen screws and red loc-tite.
12. Locate the new steering cable/overheat alarm mounting plate. Secure the steering cable to the plate using the stock clamp and the new clamp using stock hardware. Secure the alarm to the mount plate using nut supplied.

13. Fasten steering cable/alarm mounting plate to the two spacers using the 6 x 20 mm. flat head allen screws (supplied). Note: Due to inconsistencies in the thickness of the bulkhead it may be necessary to relieve clearance for the overheat alarm.
14. Remove the stock steering cable end and replace with the rod end supplied.
15. Fasten the bearing housing to the hood using stock hardware. Apply silicone around hole in the hood.
16. Slide the throttle cable up through the hood and the start/stop and alarm wires down through hood. Be sure both the cable and wires are routed between the two spacers.
17. Reconnect the wires and connectors. (see step 6)
18. Secure the supplied cable tie onto the bearing housing plate by pressing into the hole at the right of the bearing housing. It may be necessary to drill into the hood to allow just enough clearance to allow the cable tie to click into place. Do Not tighten cable tie around any cables or wires yet.
19. Lubricate the O-ring on the steering head with grease and slide through the bearing housing. Apply oil to the threads on the bottom of the shaft and secure with the washer and nyloc nut (supplied).
20. Secure the steering cable rod end to the bottom side of the steering arm using stock hardware.
21. Mount handlebars and throttle housing to the steering head.
22. Install throttle cable. Be sure cable is adjusted properly prior to starting.
23. Install start/stop switch into start/stop switch housing.
24. Loosely secure cable tie around the throttle cable and start/stop wires. Do not tighten yet.
25. Turn handlebars full right and left and be sure steering is stopping on the stops, not by compressing or extending the steering cable. Check that the steering nozzle is straight when the bars are straight, make adjustment at the cable ends if necessary.
26. Install hood cowling using the two stock inserts and screws for the front, and the two M6 x 16 mm. button head screws and washers for the rear.
27. Be sure that the throttle cable and start/stop switch wires do not bind when turning the bars, and tighten cable tie.

INSTALLATION COMPLETE.

PREVENTATIVE MAINTENANCE: It is very important to re-grease and spray bearing areas with silicone spray. Intervals between maintenance depend on how often you ride and the riding conditions.