

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

Tools required: Ratchet, 10mm., 13, 7/32” sockets, 8, 13, 10, 17mm. wrenches, 3mm., 4mm., 5/64’ allen wrenches, phillips screwdriver, side cutters, RTV silicone

REMOVAL

1. Remove the four 7/32” bolts and 2 phillips head screws from both sides of the handlebar cover.
2. Remove the rubber end caps from the bars. Using a 10mm. socket, remove grips.
3. Loosen the start/stop/trim switch and throttle housings with a 3mm. allen wrench and slide away from the bar cover.
4. Lift the top half of the bar cover and remove the three 7/32” bolts holding the mode switches in place. Remove the top half of the cover.
5. Loosen the nut on the backside of the choke mount. Pull the choke cable slightly towards the back of the boat. Using side cutters cut a slot in the bar cover and slide cable free. Loosen the nut from the front of the ignition/lanyard mount and remove from mount.
6. Unclip heat sensor from its mount.
7. Remove forward storage compartment. Using the supplied wire detent tool unclip the color-coded wires from their harnesses. Carefully slide the wire up through the steering system. There are five harnesses to unclip: start/stop, trim switches, mode switches, ignition/lanyard switch and the heat sensor.
8. Pull the choke and throttle cables down through the steering system into the hull. Disconnect the steering cable from the steering arm on the steering system using a 10mm. socket and 10mm. wrench. It is helpful to disconnect the hull vent hose next to the fuel fill.
9. Disconnect the steering cable from the cable mount using a 10mm. socket. Retain the cable clamp for use later.
10. Remove the 4 steering system mounting bolts/nuts using a 13mm. socket and wrench. Retain the mounting hardware for use later. Remove the factory steering system.

INSTALLATION

1. Set U.M.I. bearing housings mount plate in place on the hull and line up with the 4 mounting holes. The hole in the hull that the bearing housing slides through may need to be enlarged slightly.
2. Prior to fastening the mount plate it is helpful to mount the steering cable to the steering cable mount bracket. Fasten using both the stock plastic clamp, 10mm. bolts and the new clamp supplied.
3. Apply a bead of RTV silicone to the mounting surface of the hull and fasten bearing housing/mount plate.

4. Remove the hood latch strike post from the stock steering system a 17mm. wrench.
5. Mount the strike post onto the supplied hood latch bracket using supplied nut.
6. Carefully position the hood latch bracket by loosening the four 4mm. allen bolts and centering it to the hood latch on the hood. Be sure that the hood latch and strike are positioned and working properly prior to tightening.
7. Slide steering head and shaft into the bearing housing.
8. Place the steering arm onto the steering shaft (beveled edge facing away from the bearing housing). Fasten the arm to the shaft with supplied washer and nut.
9. Remove the factory steering cable end using an 8mm. and 10mm. wrench. Replace with the supplied rod end. Larger diameter rod end is for 1999 model application.
10. Fasten steering cable to the bottom side of the steering arm using the 10mm. bolt, washer and locknut supplied. Place washer between the rod end and arm. Be sure that the steering cable is straight and does not bind when steering head is turned.
11. Reconnect the wires that were disconnected in step 7 of the removal. Route them down through the rubber grommet (except heat sensor). Route the heat sensor to the bottom side of the mount plate and position it in the hole to the left of the bearing housing. Mount sensor from the top side with the supplied plastic nut.
12. Connect the choke and ignition lanyard switch to the new brackets on the mount plate.
13. **ASSEMBLY OF THE INFORMATION CENTER HOUSING AND SWITCHES**
This assembly requires the factory black plastic switch housing, new aluminum retainer and bezel and hardware supplied.
 - A) Locate the round bronze spacer and fasten to the center rear slot of the plastic switch housing with 5/64 button head screw and washer.
 - B) Install the aluminum retainer to the front of the switch housing with two 5/64" button head screws and washers.
 - C) Holding the plastic switch housing with retainer away from you, insert the Mode switch (2 wires) into the center left slot and the Set switch (3 wires) into the center right slot.
 - D) Locate the new bezel and place the 4 factory plastic switch covers into the appropriate positions. Rotate the switch covers in the counterbores of the bottom side of the bezel so that the tabs on the covers are positioned to sit in the relieved slots.
 - E) Fasten the bezel to the switch housing with three 5/64 flat head screws.
 - F) The information center housing will fasten to the front of the steering head using the 2 forward handlebar clamp bolts.
14. Install handlebars and information center onto the steering head. (We recommend using U.M.I. Racing Sea Doo race bars.)
15. Remount the throttle, start/stop/trim switch housings. (We recommend using U.M.I. Racing billet finger throttle, trim switch housing and start/stop switch housing.)
16. Reconnect the start/stop and trim switches to their housings.
17. Reconnect throttle cable. Be sure you have no binding and a smooth return of the throttle.
18. Reconnect the hull vent hoses if disconnected.
19. Check full left and right turning. Be sure that the steering is stopping on the steering stops on the steering head; not due to a binding steering cable or nozzle contacting the compression nozzle. Adjust steering cable at cable mount if necessary.

INSTALLATION COMPLETE