

## INSTALLATION INSTRUCTIONS FOR U.M.I. STEERING SYSTEM: '93-'96XP, '94-'97SP, SPI, SPX

**TIPS:** Use blue loc-tite on all bolts.

Use white grease or anti-seize grease on steering shaft and bearing races.

### **STEPS:**

1. Remove seat.
2. Remove storage tray.
3. Disconnect start/stop switch, overheat buzzer, and V.T.S. wires from inside hull at the black connectors.
4. Remove the four phillips head screws (#37, 38) that secure the handle bar pad and remove pad.
5. Remove the start/stop and V.T.S. switches from the handlebar mount by removing the small phillips screw. (#56)
6. Disconnect throttle cable at throttle assembly.
7. Remove the overheat sensor buzzer from its bracket.
8. Using a 10mm socket remove the steering cable from the stock steering arm. (#16)
9. Again using a 10mm socket remove the stock steering arm(#16) from the steering shaft. (#15)
10. Using detent tool supplied remove the stop/start, overheat buzzer and V.T.S. connectors from wire ends.
11. Pull steering assembly (#15) out of steering housing (#1); be careful to pull wires through one at a time.
12. Remove the steering cable from the cable support bracket (#5) with 10mm socket. Retain the cable hold bracket (#6) and bolts (#7) for use later.
13. Remove front support (#10).
14. Remove rear support.
15. Using the new face plate (dash plate) as a template; center it on the existing large diameter hole in dash and drill the 4 new holes and the 1" hole for the grommet. This hole is where the throttle cable and the wires will go through on the new steering.
16. Using a dremmel or file open large diameter hole large enough to allow new steering support (bearing housing) to fit through the hull. **\*NOTE: It is very important the bearing housing sit flush up against the inside the hull.**
17. Install steering support from behind through hole and align with new bolt pattern. **Again make sure the bearing housing is sitting flush against the hull.** Install faceplate with 4 allen bolts, flat washer and 13mm nuts. (supplied)

18. Remove grips (#27) by loosening 10mm screw (#29) remove throttle and stop switch housings (#26, 65) from bars by removing two allen screws (#64).
19. Install handlebars on steering assembly. **We recommend changing to lower profile U.M.I. bars, optional.**
20. Reroute throttle cable and stop/start switch and V.T.S. wires down bars and through rubber grommet.
21. Position throttle assembly and V.T.S. assembly on bars and secure with allen set screws. **\*NOTE: The stock throttle and V.T.S housing can be used. We do recommend you use our U.M.I. racing billet throttles and V.T.S. housing.**
22. Reattach steering cable to the new support bracket using the supplied cable bracket and the stock bracket.
23. Slide new steering arm onto the steering shaft with the beveled edge out, downward away from bearing housing.
24. Install washer and nylock nut (17mm) below steering arm on steering shaft. **\*NOTE: Use anti-seize or oil on the threads of the shaft prior to installing the nut.**
25. Reinstall steering cable on steering arm using the stock bolt and new nylock nut (supplied). Make sure steering system is straight and true. If steering nozzle is out of line adjust at cable support bracket. It may be necessary to let the steering cable loose where it is attached to the hull to allow the cable to have a more direct route to the back of the boat.
26. Reconnect stop, buzzer and V.T.S. wires to appropriate connectors making sure color-coded wires match.
27. Zip tie throttle cable, stop/stop switch and V.T.S. wires together making sure they will not rub on steering arm.

If you have any questions please feel free to contact us at 800.275.1615.

Thank you for choosing U.M.I. Racing products. **RIDE SAFELY, RIDE SMART.**