

**INSTRUCTIONS FOR INSTALLATION
OF
COBRA JET STEERING
FOR
SEADOO4 TEC SINGLE AND TWIN ENGINE JET BOATS**

These units were designed specifically for the Seadoo 4 Tec single and twin engine boats. The same set will work in either application. The units can be installed without removing the nozzles from the boat. A 3/16 drill bit is suggested for drilling the screw holes. Thread locking compound is also required.

To install these on a single engine boat you will notice that there is a left and a right side. This was designed to install without removing the large boss on the bottom of the nozzle.

1. Clamp on the fin to either side of the nozzle with the rear edge of the base plate as close to the edge of the nozzle as possible using a pair of vice grip locking pliers.
2. Using a small square (**note: a common business card will work**) lay one edge of the square across the bottom surface of the boss and adjust the fin so the side of the square touches the inside surface of the fin as close to the 90 degree angle as possible.
3. With the fin clamped in place mark the 2 holes closest to the boss.
4. Once you have marked the 2 hole locations remove the fin.
5. Using a 3/16 drill bit drill these 2 holes **ONLY!** *It is important when drilling these holes that you angle the drill so that you are pointing toward the center of the nozzle.* This is so that the screw head will fit flat against the inside of the nozzle once it is installed.
6. Now, from inside the nozzle place one of the button cap screws in the hole so that the end sticks out of the outer surface of the nozzle. Place the unit back on the nozzle and add a flat washer and nut, finger tighten; repeat this with the second screw.
7. Once those screws are holding the steering unit to the nozzle use the vice grip to secure the base of the unit to the nozzle and drill the remaining 3 holes with the unit in place.
8. Now install the remaining screws from the inside of the nozzle going outward through the base and attach the washers and nuts.
9. Once the screws are in place secure the heads of the screws with an allen wrench and snug down the nuts with a wrench or small socket. *Be careful not to over-tighten these screws or they will snap off.*
10. Now the screws are snug, Go back and retighten them.
11. The base will conform to the nozzle as the screws are gradually tightened.
12. After this is completed you may wish to cut off any excess screw threads that go past the nuts.

Although the install would look better if the screw heads were on the outside of the base and the nuts hidden inside the nozzle this could disrupt the flow of water when it travels through the nozzle. This is why the low profile button cap screws were chosen for the install.

On a twin engine boat the procedure is pretty similar however, the tie rod that connects the nozzles makes having an inside fin impossible. For this application one fin is mounted on the outside surface of each nozzle.

To secure the fins to the nozzles simply follow the previous procedure using one for each nozzle.

