



SEADUCER BOATS

SD3 P MONO 33

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Items you need to purchase

- 1 – 4060 Motor (I recommend a kv of 1600 range)
- 1- 200 amp (or higher amp) Speed Control
- 2 - 4S battery 5000
- 1 - Steering servo Hitec 645 MG
- 1 - Pkg. Of 440 Push Rod Ends Ball Link
- 1 - Pkg. of Solder-on Rod Ends
- 1 - Water Outlet Fitting
- 1 – 3/16 Flex Shaft 12 inch long
- 1 - 3/16" Prop Nut
- 1 - 1/4" x 12" Brass Tubing
- 1 – 7/32 x 12" Brass Tubing
- 1 – ABC 1815 3 Blade Prop
- 1 - 12" 440 Push Rods
- 1 - Pkg. of Push Rod Seals
- 1 - 4' of Fuel Line
- 1 - 3/16 " Drive Dog
- 6' length Pipe Insulation

Hardware: We recommend the Seaducer Hardware Kit, which consists of Strut, 36 mm Motor Mount, Rudder, Trim Tabs and Servo tray. IF YOU DON'T USE OUR HARDWARE, THE BOAT WILL NOT RUN WELL AND YOU WON'T BE HAPPY WITH THE BOAT.

Motor Mount : Put the water cooling can on the motor. Mount the motor to the 36 mm motor mount. Put the motor in the boat and measure 5 3/4 from the inside of the transom to the center of the motor mounting plate. Line the motor up so it is centered and straight with the hull. Put a few drops of crazy glue on each corner of the carbon motor rails so the mount will not shift when you're gluing the motor with epoxy. I use Methacrylate. It's a type of glue that it very strong to hold in the motor mounts.

Transom: See attached page

Strut: Mount on the center line of the transom. The back of the strut needs to be 2 inches from the transom. Drill a 1/4 hole in the back of the transom, 1/8" from the bottom to allow for up and down movement for the brass tubing along with the hole for the shaft log.

Rudder: Draw a center line on your transom & measure to starboard 1 3/4". Assemble as high on the transom as possible. Mark the holes and the rudder push rod hole also. Drill the holes for the rudder bolts and a 3/8 hole for the rudder push rod. Install rudder bracket on the transom. Install the push rod seal on the inside of the transom with crazy glue. With the rudder installed put a straight edge against the bottom of the boat extending past the rudder. Make a mark on the rudder, then measure down 2 3/4" and make a mark. Cut the rudder off at this point.

Steering Servo Setup: I use a Standard size servo for steering. I use Hitec 645 MG servos. Mount the servo tray to a 1/8 piece of plywood. Install the servo in the tray. Put the push rod through the transom to line up the servo to the rudder. You want the servo back far enough but not too far that you can't get the screws out to replace the servo. Mark the location and Epoxy in the wood to the hull.

Floatation: Be sure to add SOME TYPE OF FLOTATION! We suggest air conditioning pipe insulation, found in hardware stores, or use the pool floats you can buy at any home/toy store.

Stuffing Tube and Water Box You will need to cut the 1/4 brass tube about 4 inches long and solder the 7/32 brass tube in the one end of the 1/4 brass tube. You only want to go in about 3/8 of an inch. Now start to bend the 7/32 brass tubing so that it will line up with the motor. Run the 1/4 brass tubing all the way through the strut, so that it's even with the back. You may have to sand the brass tubing slightly to achieve a nice tight fit. Cut a piece of 1/4" wood to brace the brass where the brass starts to bend up. You want to make a water box around the stuffing tube to keep water out of the boat. Take some 1/8 plywood and cut it about 5/8 high to about 1/2 high for the sides glue them into the hull with crazy glue. Now, make the front bulkhead for the water box. Cut a 1.8 plywood with a V shape like the bottom of the boat and drill a 7/32 hole in the bulkhead for the brass tube. Glue that in with crazy glue. Fiberglass in the first 3/4 of an inch of the brass tube, do not glass it all the way back as you will not be able to adjust the strut up and down. Now make a top of the same 1/8 plywood and glue that down. You can coat the entire water box with epoxy now to make sure it does not leak.

Fiberglass in the brass tubing with mat and polyester resin. Two pieces of mat is more than enough.
DO NOT GLASS IT ALL THE WAY BACK. IF YOU DO YOU CANNOT ADJUST THE STRUT UP AND DOWN!

Battery Tray: Use Velcro under the battery's to hold them in place. The battery's go on the outside of the motor. Then use a Y harness to hook them up to the ESC.

Flexshaft: Install the prop on the hard part of the shaft, keeping 3/8" of threads exposed behind the prop. Slide the drive dog onto the 3/16 part shaft up against the front of the prop. Mark this position and remove the drive dog and prop. File a flat spot on the shaft where the set screw touches it. Reinstall the drive dog, using Lock-Tite, tighten the set screw. Insert the shaft all the way into the coupler and then measure from the strut to the drive down. Subtract 1/4 of an inch and cut the shaft to the correct length you measured. Install the shaft bushing and grease the shaft and install.

Now that you are done you want to CG the boat by sliding the battery back and forward, you want the CG about 10 ¼ from the transom.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL US AT 954-493-7387
or Email at SEADUCE@bellsouth.net







