



SEADUCER BOATS

SD3 P Limited MONO 30

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Items you need to purchase

- 1 - 3660 Motor (I recommend a SSS 2050 KV or a TP 2220 KV)
- 1- 150 amp Speed control or higher amp
- 1 -4S battery I recommend 6000 mah
- 1 - Steering servo Hitec 225 MG
- 1 - Pkg. Of 440 push rod ends Ball Link
- 1 - Pkg. of solder-on rod ends
- 1 -water outlet fitting
- 1 - 0.150 Flex Shaft with 3/16 stub 12 inch long
- 1 -3/16" prop nut
- 1 - 1/4" x 12" brass tubing
- 1 - 7/32 x 12" Brass Tubing
- 1 - ABC 1714 17/45 2 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, Stinger Drive, Rudder, Trim Tabs, Turn Fin 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 INSTILLATION: Put the water cooling can on the motor. Mount the motor to the 36 mm motor mount. Try to get the motor as low as posable in the mount and a very little angle as not to put a bind on the flex cable. Put the motor in the boat and measure 4 1/2 from the inside of the transom to the center of the motor mounting plate The plate the motor mount to not the center of the motor. 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 adhesive epoxy it's a type of glue that is very strong to hold in the motor mounts.

Stinger: Mount on the center line of the transom. Make sure you mount the Stinger above the bottom of the hull. I mount mine about 5/32 above the bottom. Follow the directions with the Stinger drive to mount it. Now drill a 7/32 hole in the transom for the stuffing tube exit.

Trim Tabs. Measure 1 3/4 from the outside of the hull and make a mark on both side. This is going to be the outside of the tabs. You want the tabs an 1/8 off the bottom of the hull. Mark the holes and install the tabs.

RUDDER: Draw a center line on your transom & measure to starboard 1 3/4" Have the bracket down from the lip of the hull about 3/16. Mark the holes and the rudder push rod hole also. If you sand the lower corner of the rudder bracket that touched the trim tabs. That will help get the rudder a little lower to line up with the servo inside the hull. 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 1/2" and make a mark. Cut the rudder off at this point.

Turn Fin. Mount the turn fin on starboard side of the transom. You want the fin 90 degrees to the bottom mounted at the chine.

Steering servo: I use a Standard size servo for steering. I use Hitec 225 MG servos. Mount the servo tray to a 1/8 piece of plywood. Install the servo in the tray. Put the push rod thru the transom to line up the servo to the rudder. You want the servo back far enough but not to far that you can't get the screws out to replace the servo. Mark the location and Epoxy in the wood to the hull.

Stuffing Tube You will need a 7/32 brass tube about 5 inches long. You want to bend the brass tube to line up with the motor collet. A nice slow bend it best. Use the flex shaft to help line up the brass tube. When you have the brass tube bent cut a little wedge to go under the brass tube at the bend to help support the brass. I now crazy glue in the brass and wood wedge. You can now Fiberglass in the brass tubing with mat and polyester resin. Two pieces of mat is more than enough. You do not need to glass the whole tube in just at the bend about the first 1 1/2 or so.

Battery The battery goes in front of the motor. Cut a 1/8 plywood tray same width as your battery about 6 inches long. Epoxy the plywood down about 2 inches in front of the motor. Then use Velcro on your battery and the plywood to hold your battery in place. You want to slide the battery back and forward to get the CG at 9 1/2 inches.

FLOTATION: 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

FLEX SHAFT: 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 in to the coupler and then measure from the strut to the drive down. Subtract $\frac{1}{4}$ of a inch and cut the shaft to the correct length you measured. Install the shaft bushing, and grease the shaft and install.

CG Now that you are done you want to CG the boat by sliding the battery back and forward, you want the CG about 9 1/2 from the transom.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL US AT 954 493-7387 or E mail at
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