SEADUCER BOATS
GAS SPORT HYDRO

COME VISIT US ON THE WEB AT WWW.SEADUCERBOATS.COM

2 - Pkg. Of 440 push rod ends
2 - Pkg. of solder-on rod ends
2 -water outlet fitting
1 -1/4" prop nut
1 - .250" x 30" flex shaft
1 - 5/16" x 36" brass tubing
1 – 11/32 x 12" brass tubing
1- 5/32 x 12" brass tubing
2 - 12" 440 push rods
1 - Pkg. of push rod seals
1 - Switch mount
1 - 3' of Gas fuel line
1 - 3' of XL water line
1 - 1/4 " drive dog
1 -Sullivan 12 oz fuel tank
1- Aeromarine ¼ scale servo tray
1- Aeromarine standard servo tray

This Seaducer Hull comes with floatation in the hull already. You only need to add some type of floatation to the cowl and the rear hatch.

HARDWARE: We recommend the Seaducer Hardware Kit, which consists of Strut, Rubber shock absorbing Motor Mount, Rudder, & antenna mount & Pipe Mount. IF YOU Don't USE OUR HARDWARE THE BOAT WILL NOT RUN WELL AND YOU WON'T BE HAPPY WITH THE BOAT.

INSTALLATION OF FUEL TANK: Run the brass tubes into the fuel tank, the fuel pick-up to the lower left rear corner of the tank (Use 5/32 for the fuel pickup) & the vent line to the top center of the tank. You also need a return line from the carb to the tank so use short pieces for that. For the vent use a water outlet fitting and put it as high on the deck as possible and run the fuel tank vent to it. Secure the tank with rubber bands across the tank.

Water Outlets Mount the water outlets in the gas tank area. Make sure you mount them so they do not interfere with the cowl sliding in the fuel tank area. (I mount mine under the windshield area on the port side.)

MOTOR MOUNT INSTILLATION: Mount the Angle Brackets to the liner using the 8/32 bolts. Take off the pull start on the motor and replace the front plate with the Seaducer Front plate. Install the Rear motor mount plate on the motor. Now install the motor in the tub.

STRUT: On the center line of the transom (4 ½ is center) Mount the strut so the top of the brackets touch the deck lip. Measure from the bottom of the hull to the center of the strut 1 9/16 this is the depth the strut needs to be.

RUDDER:
Measure from the starboard side 2 inches make a mark on the transom. Install rudder assemble so the notch lines up with the deck lip. This will make sure the rudder push rod lines up with the servo. 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 3 3/4" and make a mark. Cut the rudder off at this point. . Drill a 3/8" hole threw the transom to accommodate the push rod.

PROPELLER DRIVE SHAFT: Use a Dremel to grind an 11/32 hole in the stuffing box. Now cut a piece of 11/32 brass tube about 4 inches long. Sand the 11/32 so the epoxy will stick. Now start to bend the 5/16 brass tubing so that it will line up with the motor. Run the 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. Put a piece of ¼ materials in the flex hex on the motor. Line the 5/16 brass up with the motor and use a little crazy glue to hold the stuffing box in place. Mix up some 2 hour epoxy and pour it around the stuffing box to hold it in place.

PIPE MOUNT: There is a ¼ thick ply wood under the deck about 3 inches by 2 inches right in front of the radio box. Use the Self taping screws to hold the pipe mount on. (See Picture) You will need a 106 degree Header for the pipe to clear the Cowl. If you need to you can heat up the header with a Propane torch and bend the header a little to clear the cowl.

TURN FIN: The turn fin bracket has already been mounted. So just screw the turn fin to the bracket with the provided 8/32 screws. The turn fin has a slot in the rear screw. Mount the fin so the bend in the fin is lined up with the bottom of the hull. (See Picture)

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 1/4 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. Then Install the Shaft bushing and grease

RADIO BOX SETUP: Use a Futaba / Hi Tec 1/4 scale servo for steering & a Futaba 3003 for throttle. To allow for proper steering servo height use Aeromarine 1/4 scale servo holder. Mount the servo in the Aeromarine mount so the horn is close to the center of the box you will have to cut the Servo horn at the 4th hole. The control rod will go in the 2nd hole from the center of the servo. Align the servo horn with the steering lever then mark the bottom of the radio box with a pencil. Use self-tapping screws to attach the Aeromarine mount to bottom of the radio box. . With a 3/8 " drill bit go threw the hole in the transom for the rudder push rod & drill a hole threw the radio box in alignment with the top of the servo horn. Install the throttle servo lying down to the port-side front of the radio box. Then drill a 1/4" hole threw the front of the radio box in alignment with carburetor linkage & servo horn. Use whatever push rod seals, you wish. Mount the switch in the radio box lid toward the port rear.

COWL Cut the scoop in the front of the cowl out. Then cut the rear pipe section out. On the port side of the cowl is a vent to cool the pipe cut that out also. To install the cowl hold the cowl at a 45 degree angle catch the starboard lip in the water trap on the starboard side of the deck. Now slid the cowl forward under the front of the deck while rolling the cowl to the port side. It takes a few try's to get the hang of this. The reason the water trap is there is to keep water out of the carb.

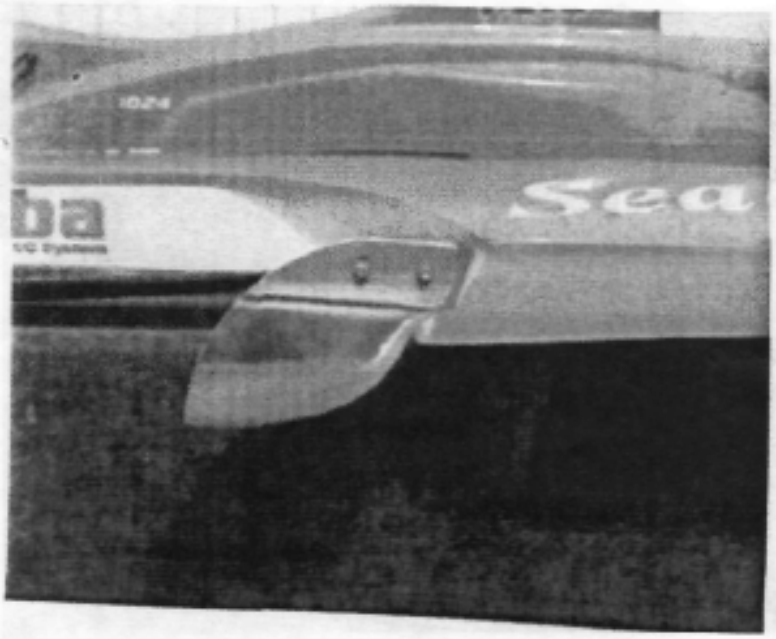
Under the deck is 2 pieces of wood for the cowl o-rings. (See Picture) this is the only place to put the o-rings. Mount the o-rings to the deck and the bolts to the cowl.
Make sure you add some type of flotation to the cowl.

Water Line Drill a ¼ hole in the transom run the water line along the starboard side of the radio box. Just push the water line threw. Drill a hole with the 90 degree dermal in the motor liner in the rear corner. (See Picture) Grap the water line threw the square hole in the liner and take a long Tywrap or some thing flexible push it threw the hole you drilled and grap it in the square opening push the water line over the Tywrap and pull it threw your hole you drilled.

Rear Hatch Glue a little floatation to the underside. Just use radio box tape to hold it to the deck.

Try it our way first if you and if don't like it then do it your way!!

IF YOU HAVE ANY QUESTIONS, PLEASE CALL US AT (954) 772-9002 fax / 954 493-7387 OR E MAIL AT SEADUCE@ Bellsouth.net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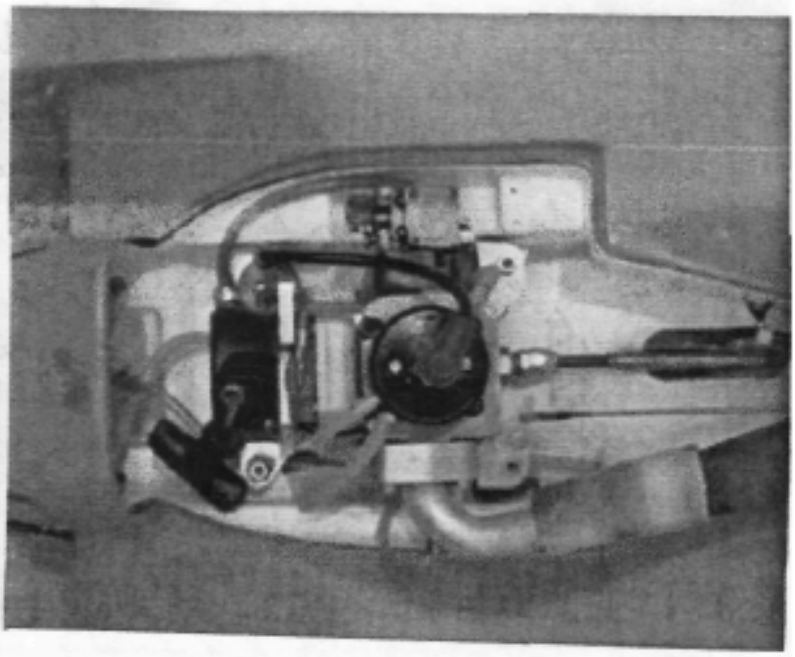

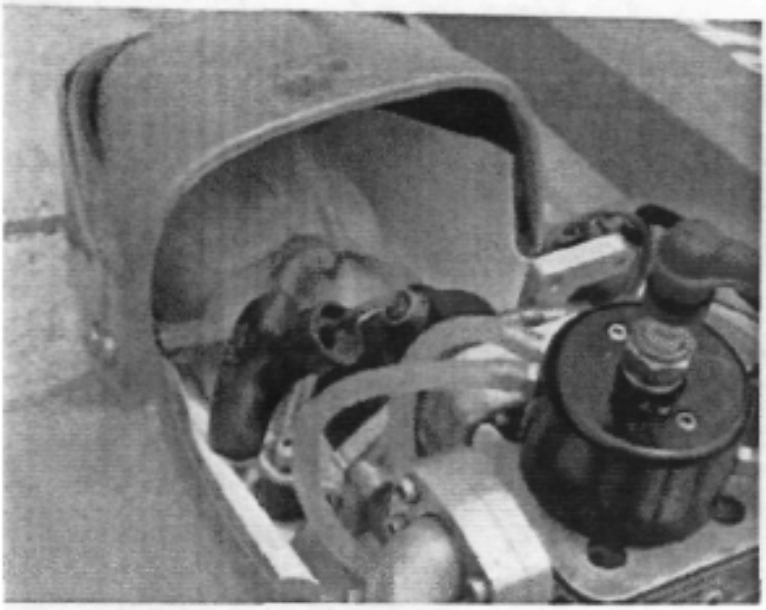

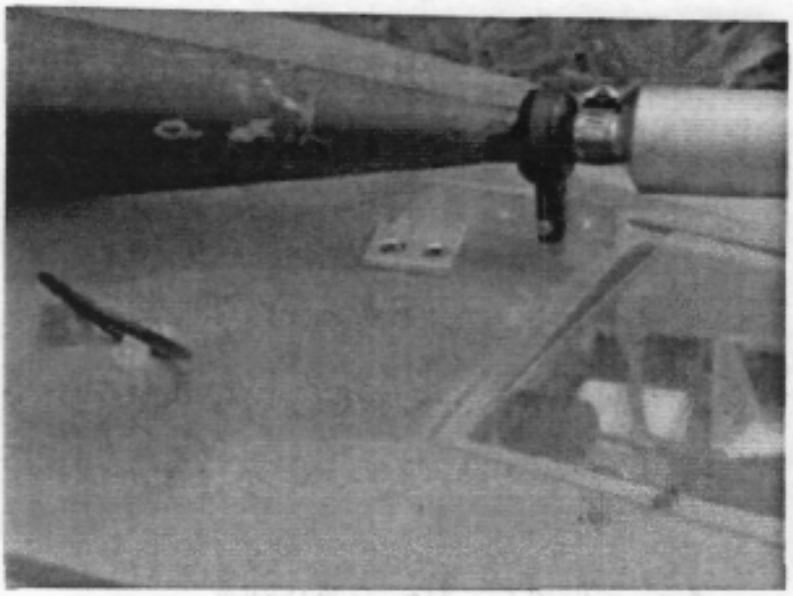

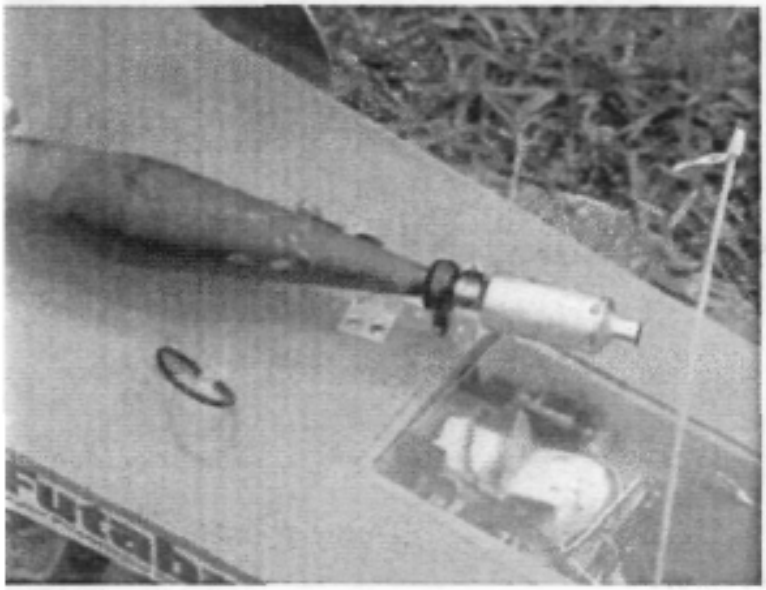
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