

# SEADUCER BOATS

## GAS CAT

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- 2 - Pkg. Of 440 push rod ends
- 2 - Pkg. of solder-on rod ends
- 1 -water outlet fitting
- 1 -1/4" prop nut
- 1 - .250" x 18" flex shaft
- 1 - 5/16" x 18" 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 16 oz fuel tank Or IV bag
- 1- Aeromarine 1/4 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.

**Water Outlets** Mount the water outlets in the hole cut on the port side of the hull. You can either mount them to the deck or the out side of the hull.

**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:** Mount the strut so the bottom of the brackets clear the inside of the radio box floor. It is about 3/8 up from the bottom of the tunnel area.. The Strut should be even with the bottom of the ride pads.

### **RUDDER:**

Measure from the starboard side of the strut area 3/4 of a inch. make a mark on the transom. Install rudder assembly so the mark lines up with the left side of the rudder bracket. .. 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 1/4 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:** On the top of the strut is a hole for the pipe mount. Use the long bracket with the pipe holder to scure the pipe. You will need a 106 degree Header for the pipe to clear the Cowl.

**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. 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 *glue in wood* **First.** 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.. Under the deck is 2 pieces of wood for the cowl hold down. The wood is right above the 2 holes in the liner. You can reach in a feel the wood.

**Make sure you add some type of flotation to the cowl.**

**Water Line** Drill a 1/4 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.

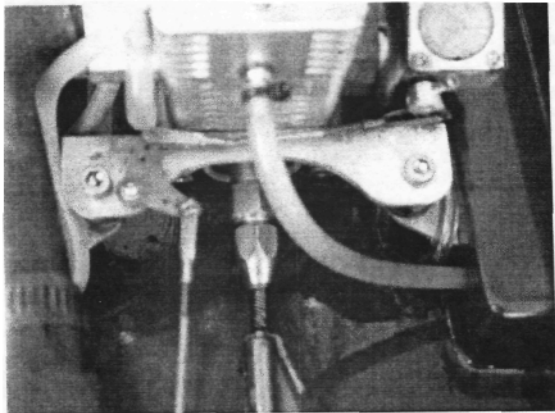
**Rear Hatch** Glue a little floatation to the underside. Just use radio box tape to hold it to the deck.

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

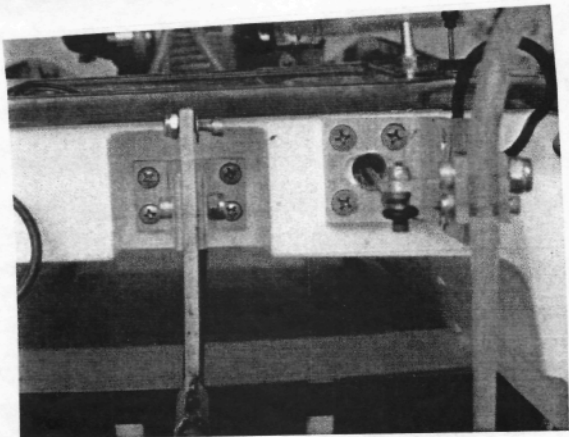
IF YOU HAVE ANY QUESTIONS, PLEASE CALL US AT (954) 772-9002 fax / 954 493-7387 OR E MAIL AT [SEADUCE@Bellsouth.net](mailto:SEADUCE@Bellsouth.net)



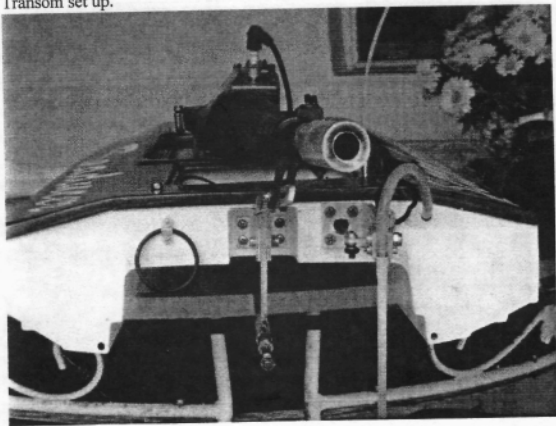
IV BAG and Motor Mount

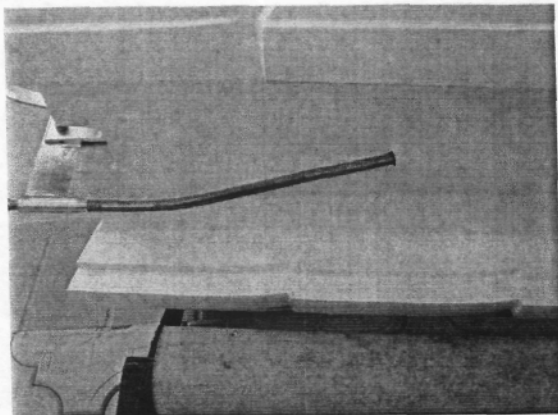


Throttle Set up

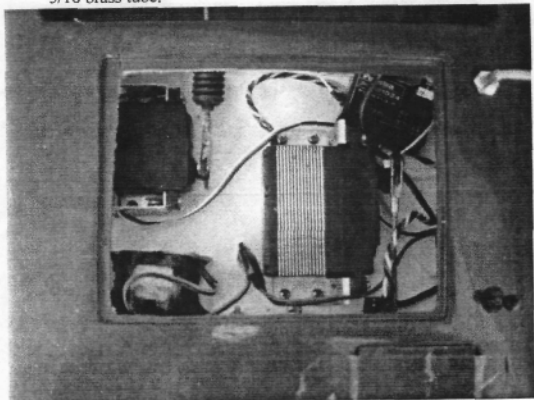


Transom set up.





5/16 brass tube.



Radio box set up

