

ASSEMBLY INSTRUCTIONS

The Sontek Riverboat

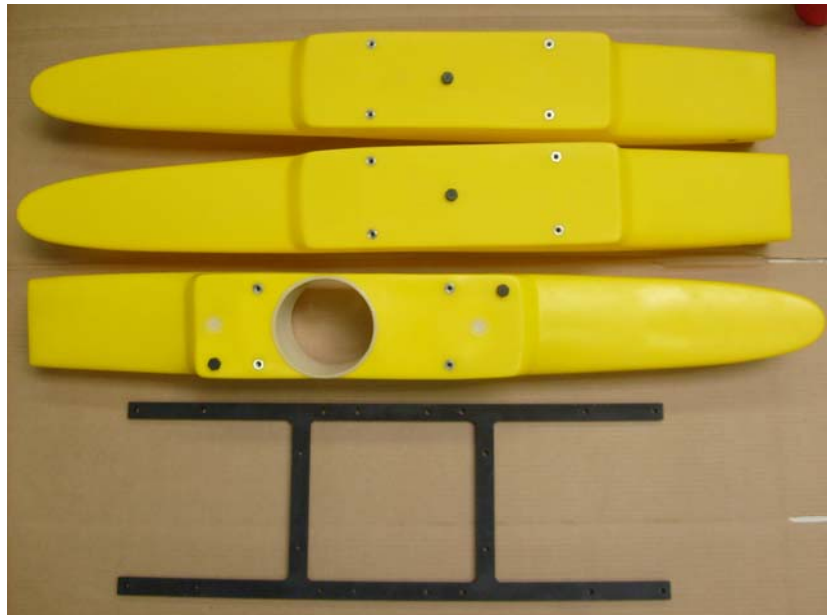
The Riverboat is a rugged corrosion-resistant platform that makes measuring discharge with acoustic Doppler profilers easy. The center hull reduces instrument drag by 25% to 50% as compared to catamaran designs, which is ideal when deploying the Riverboat Live! System. The Riverboat is a stable, lightweight platform for discharge measurements in high flow applications.



Getting started...

Before attempting to assemble your Riverboat please take a moment to identify the following components:

- (2) Outrigger hulls
- (1) Main hull
- (1) Crossbar
- (2) Fins
- (2) Towing arms
- (1) Instrument mounting plate
- (1) Wire rope bridle hardware bag
- (1) Crossbar assembly hardware bag
- (1) Fin assembly hardware bag
- (1) Instrument mounting plate assembly hardware bag

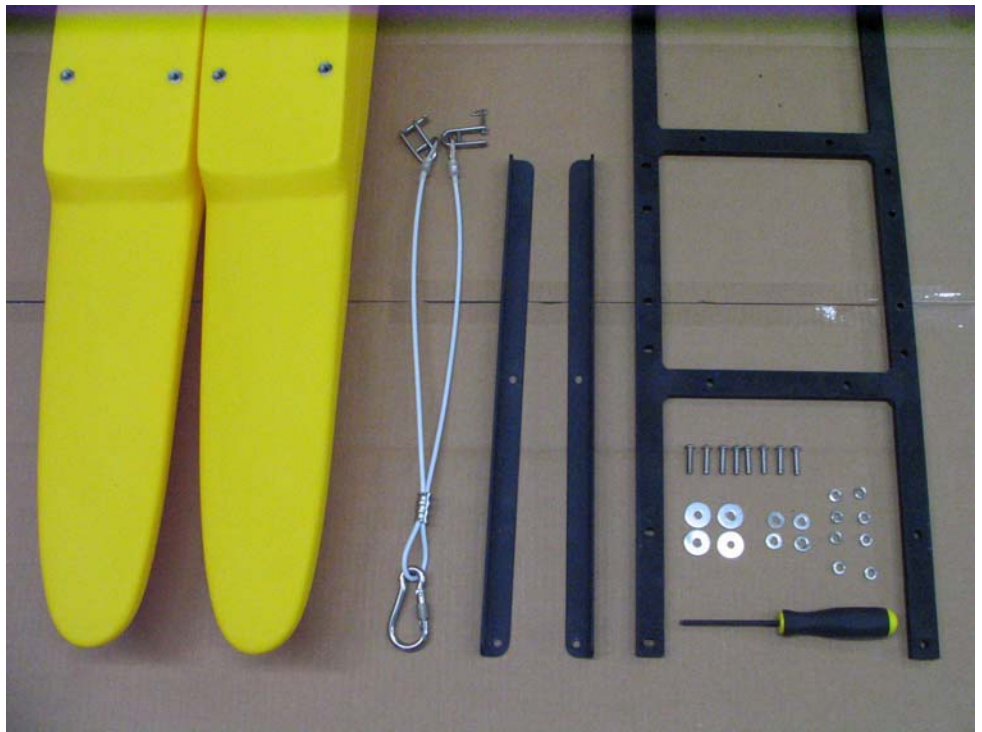


STEP 1

CROSSBAR ASSEMBLY

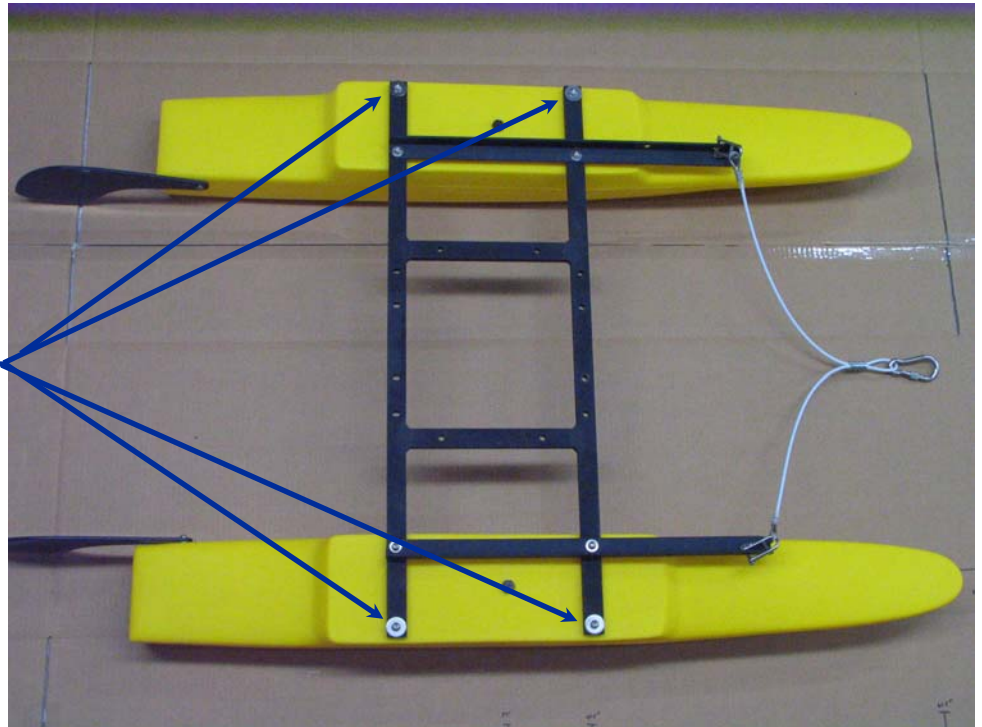
For step 1 you will need:

- (2) Outriggers
- (1) Wire rope bridle
- (2) Tow arms
- (1) Crossbar
- (8) 1" long 1/4-20 screws
- (4) Fender washers
- (4) Flat washers
- (8) Lock washers
- (1) Hex driver assembly tool



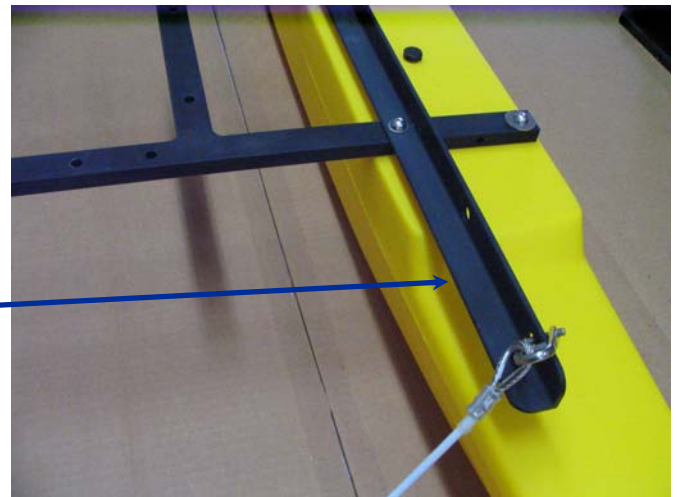
A.

Begin by attaching the two outriggers to the crossbar with the 1" long 1/4-20 screws, lock washers and fender washers through the four outermost screw holes.



B.

Next attach both tow arms to the crossbar with 1" long 1/4-20 screws, lock washers and flat washers. Ensure that the tow arm is installed in the correct orientation.



Step 2

FIN AND BRIDLE ATTACHMENT

For this step you will need:

- (2) Fins
- (1) Wire rope bridle
- (2) 3/4" long 1/4-20 screws
- (2) Flat washers
- (2) Lock washers
- (1) 5/32" driver tool



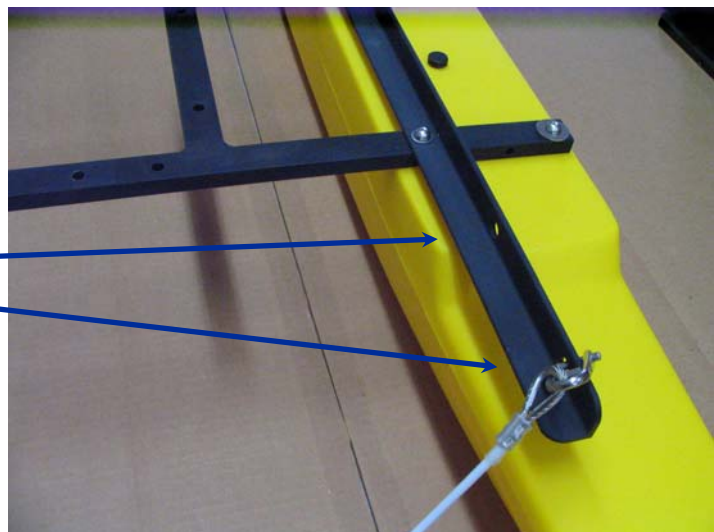
A.

Attach the fins to the inward sides of the outriggers with the 3/4" long patch screw, lock washer and flat washer.



B.

Attach the wire rope bridle to the tow arm in the desired position.

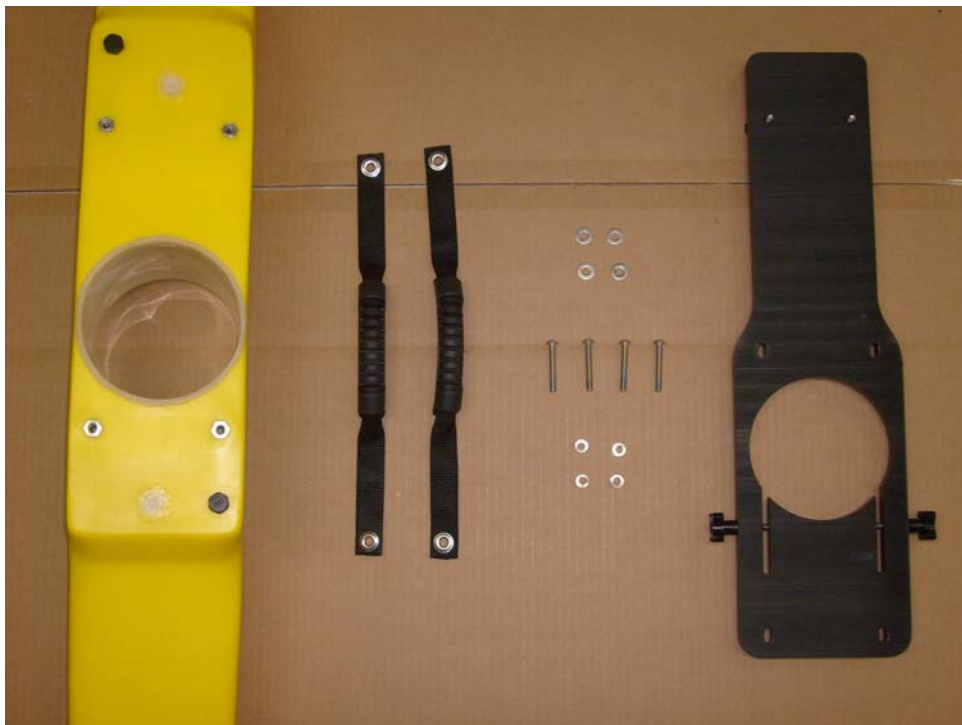


Step 3

INSTRUMENT MOUNTING PLATE ASSEMBLY

For this step you will need:

- (1) Main hull
- (2) Strap handles
- (4) Flat washers
- (4) Lock washers
- (4) 1 3/4" long 1/4-20 screws
- (2) Ebox knob assembly
- (1) Instrument mounting plate
- (1) 5/32" driver tool



A.

Place the main hull under the crossbar, and place the instrument mounting plate, with ebox knobs facing down, on top of the crossbar. (See the label on the plate for proper installation of ebox knob.) Align the strap handles on top of the plate and attach all three components with 1 3/4" screws, lock washers, and flat washers.



B.

Once **Step 3** is complete please ensure that all hardware has been installed in the correct order and tightened appropriately.

