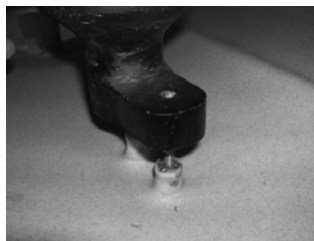


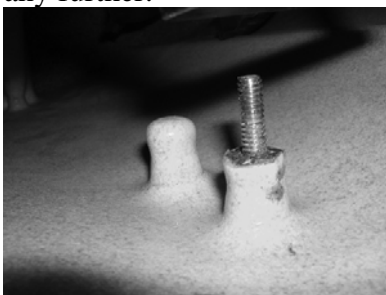
These instructions will guide you through the assembly of your boat in addition to giving some key sailing and rigging tips. Please note that this kit covers the manual for kits that are just amas and the kits that have the amas and the sail package. If you have the sail package, read through this entire manual. For the kits with only the amas, there will be notes through these instructions on what to skip over.

### **Mast Cup Installation**

1. To install the larger mast cup, you need to remove your current small mast base and enlarge the hole that it passed through. Reach inside of the front hatch and twist the mast base counterclockwise until you can pull it out of the top. Also remove the small rubber cap that is screwed to the deck.
2. Use a pencil or fine tip marker to trace a 3-7/8" diameter circle centered around the hole where the small mast base used to be. This will be your guide for cutting the hole.
3. There are several options to cut the hole in the kayak. You can use a 3-7/8" hole saw, a electric jig saw, a Dremel tool, or a hand held saw. To ensure a good fit, take your time in cutting the hole and make sure that your cutting tool doesn't overpower your accuracy. Remember, you can always remove more material, but you can't put it back.
4. With the hole cut, test fit the mast cup and make sure that it fits ok and can pass to the bottom of the hull. Remove the screw that is inserted in the forward most brass insert on the bottom of the hull. The two holes at the bottom of the mast cup must be able to go over top of the fittings molded at the bottom of the hull. When the mast is properly seated over the inserts, using the holes on the mast cup as a guide, drill 6 holes using a 3/16" drill bit.



5. Remove the mast receiver cup and install the threaded 1/4-20 stud into the forward most insert fitting at the bottom of the hull. Place a couple drops of loctite on the threads prior to threading in. Allow the loctite to dry for half an hour or so prior to proceeding any further.



6. Once the loctite is dry, locate the mast cups backing ring. Reaching into the front hatch, slide the mast backing ring over the bottom of the mast cup continue to bring the mast cup down to the bottom of the hull and over the 1/4-20 stud. This should pass through the forward hole on the bottom of the mast cup.
7. Drive the long sheet metal screws from the top of the mast cup into the long bosses on the backing ring. This will clamp the backing ring to the hull and provide a good seal between the mast cup and kayak surface. Be sure to put the grey gasket between the mast cup and the kayak surface to provide a better seal.



### **V-Frame Installation**

1. If you look inside of the forward hatch, you will notice two threaded studs that have rubber caps installed over them. Pull off the protective rubber caps.
2. Before installing the V-frame, make sure that both of the threaded parts are fully screwed into the large brass turnbuckle.
3. Take the v-frame inside of the front hatch and feed the threaded studs mounted at the top of the hull through the hole in the top v-frame strut. Loosely thread one of the nuts over the end to hold it in place.
4. Now turn both of the brass turnbuckles equally so that the V-frame starts to extend. Continue to extend the v-frame until you can take the other end of the V-frame and place the threaded stud on the other under side of the deck through the hole on the frame. Place a nut over the threaded stud to hold it in place.
5. Thread the lock nuts up to the brass turnbuckle to hold it in place.



### **Deck Mounted Crossbars Installation**

1. Remove the screws that are covering the inserts on the rails of the boat.
2. Locate the forward and rear deck mount bars and place them over the molded in inserts on the forward end of the cockpit and behind the seat.
3. The forward deck mounted bar is oriented so that the roller bearing goes over the mast cup hole.



4. Use the socket cap screws and washers to fasten the crossbars down to the deck. Before tightening the screws down, start to thread in each screw to ensure proper threading and ease the installation process.

### **Locking Ball Installation**

1. In the small parts bag, there are two small “ball” like parts and oval head screws to go along with them.
2. Place a couple small drops of loctite on the screws and install the locking balls to the inserts located on each side of the boat near where the seat straps attach.
3. Make sure you give the loctite enough time to dry before using the boat.

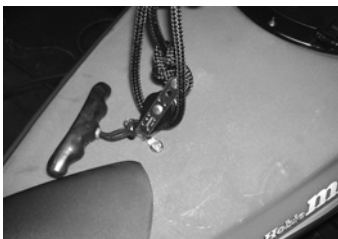


### **Mainsheet System Installation**

1. Locate the small cheek block and mounting hardware in the small parts bag.
2. The cheek block should be about 4” back from the forward hatch and slightly around the side so that the line runs nicely up to the cleat on the forward deck mounted bar. This location is not critical, but the sheet should route from the aft of the boat under the crossbars and then turn through the cheek block and lead to the sheet cleat without binding on other hull fittings. Drill holes using the cheek block as a guide. Install fasteners and tighten in place.

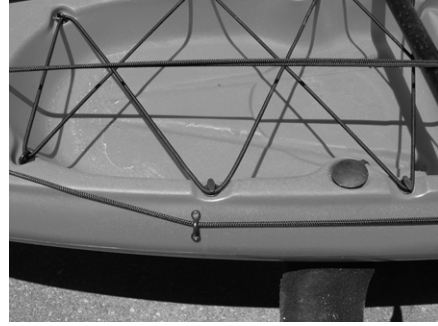


3. Now take the small shackle off the end of the lower mainsheet block and run it through the padeye for the rear carrying handle. Install the ring back in the pin.



4. With the fasteners provided, through bolt the plastic padeye to the right side of the kayak as shown in the picture to the right (for line routing).

5. Take the loose end of the mainsheet line and run it through the padeye you just installed, around the cheek block near the front hatch, and through the cleat installed on the forward deck mounted bar.



### **Large Rudder Blade Installation**

1. To install the larger rudder blade, simple unthread all of the screws that are currently holding on the small rudder blade.
2. Keep all of the screws and nuts to attach the new blade onto the rudder.