

# ASSEMBLY ASSEMBLY

## KIT ASSEMBLY

The kit is delivered to you in 2 x 40ft containers. The components are racked and then inserted into the container and they are removed from the container in the same manner. Part of the racking components are used in the frame for the final assembly.

The hulls below have been primed, ready for antifoul, as this one is being produced as a motor-away for a Southern Client. Note the lack of mini keels as this owner opted to build his own centre-boards.



### STEP 1

The Hulls are now ready for placement in the Jig.



### STEP 2

The inner port hull/chamfer panel is positioned on the underwater section. These 2 overlaps are adhered and also glass taped on the waterline. A 2mm fairing joggle has been allowed for the boot-top fairing. Having a separate bow section allows for easy fitting of the forebeam, whether it be Aluminium or composite.

The Underwater hulls and Port Chamfer sit in the specially constructed laser alignment jig. This jig is also used to pre-align the kit components prior to packing and shipping in the 40 ft containers.



### STEP 3

Place the Starboard Inside Hull/Chamfer on the Stbd Underwater section.

With the four components in place, the structure is readied for the Bridgedeck moulding.



### STEP 4

Fit the bridgedeck.

The large bridgedeck section is lifted and . . . placed into position where the pre-drilled pin holes are aligned.

Once the 5 lower sections are in place, you can move to the aft end which starts bringing your Fusion 40 to life.

The aft beam is moulded in two sections (inner and outer). The inner section will have the cockpit seating as part of the mould



### STEP 5

Position the Aft Beam.

In this picture, the aft beam has had the steering access hatches cut out and is now in position where it joins the Underwater Hulls, Chamfer Panels and the Bridgedeck.

The extra wide steps have been designed to give the best possible access, whether from the dinghy or the dock and naturally have the non slip already moulded in.

### STEP 6

Position the Steps.





# A S S E M B L Y

With the steps in place the enormous volume of the Fusion 40 becomes apparent.

At this stage of the construction, you would carry out tank, steering, engine and rudder installation, and when the full bulkheads are in you can start on the interior fitout. This vessel has been designed to be constructed similar to large production catamaran companies, allowing full and easy access to all areas.



**STEP 7**  
Position the Cockpit.

With the Port and Starboard Cockpit moulds together, the beautiful flowing lines of the Fusion can be seen



**STEP 8**  
The Main Companionway Bulkhead is installed



**STEP 9:**  
The supplied, moulded and pre-cut bulkheads are now installed.



**STEP 10:**  
The Port Hull Side and Deck is the next component to be positioned.

**STEP 11**  
The centre roof section is lifted and adhered in position.

**STEP 12**  
The Port and Starboard Roof sections are now aligned and adhered.



**STEP 13**  
When all the components are assembled and adhered, the small seam at the join lines are faired, the best result will be achieved by filling the join line with thickened gelcoat and buffing, this ensures a finish equal to none,

