

Sub Sea Systems LIMITED WARRANTY

The limited warranty covers all defects encountered in normal use of the Product and does not apply in the following cases:

- a) Loss or damage to the Product due to abuse, mishandling, alteration, accident, failure to follow operating instructions, or maintenance, storage and environmental conditions prescribed in the Fun Cat Owners Manual or service performed by other than Sub Sea System authorized service personnel.
- b) If any Product has had its serial numbers or dating altered or removed.

No implied warranty (or condition), including any implied warranty (or condition) of merchantability or fitness for a particular purpose, applies to the Product after the applicable period of express warranty stated above, and no other express warranty or guaranty, except as mentioned above, given by any person, firm, or corporation with respect to the Product shall bind Sub Sea Systems, Inc. (Some states or provinces do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.) Sub Sea Systems, Inc. shall not be liable for loss of revenue or profits, failure to realize savings or other benefits, or for any other special, incidental or consequential damages caused by the use, misuse or inability to use the Product regardless of the legal theory on which the claim is based, and even if Sub Sea Systems, Inc. has been advised of the possibility of such damages. Nor shall recovery of any kind against Sub Sea Systems, Inc. be greater in amount than the purchase price of the Product sold by Sub Sea Systems, Inc. and causing the alleged damage. Without limiting the foregoing, you assume all risk and liability for loss, damage or injury to you and your property and to others and their property arising out of use, misuse or inability to use any Product sold by Sub Sea Systems, Inc. not caused directly by the negligence of Sub Sea Systems, Inc. (Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.) This limited warranty shall not extend to anyone other than the original purchaser or any Product, or the person for whom it was purchased as a gift.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.



ELECTRICALLY POWERED CATAMARAN

**OWNERS MANUAL,
SAFETY INSTRUCTIONS, WARNINGS,
AND WARRANTY INFORMATION**



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Welcome to the FunCat division of Sub Sea Systems, Inc. This owner's manual contains important safety instructions and information about how to assemble, use, and care for your FunCat. Read the entire manual before assembling or using your FunCat. Make sure that everyone who uses the FunCat also receives proper supervision and understands the safety instructions and warnings in this manual. Be sure to save this owner's manual for future reference and safety instruction for others.

Warning

USING THE FUNCAT - LIKE ANY ACTION SPORTS OR RECREATIONAL ACTIVITY INVOLVING MOTION - INVOLVES A RISK OF INJURY.

IMPROPER USE OF THE FUNCAT, INCLUDING RECKLESS OR CARELESS BEHAVIOR, NEGLIGENCE OR MISUSE OF THE EQUIPMENT, OR INADEQUATE SUPERVISION OF CHILDREN AND OTHERS USING THE FUNCAT, CAN RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

READ ALL INSTRUCTIONS AND WARNING PROVIDED TO YOU IN THIS OWNER'S MANUAL AND PRINTED ON THE FUNCAT. ALWAYS ACT RESPONSIBLY, PROVIDE PROPER SUPERVISION FOR CHILDREN AND OTHERS, AND MAKE SURE THAT YOU AND ALL OTHERS USING THE FUNCAT ARE IN GOOD PHYSICAL CONDITION.

DO NOT USE THE FUNCAT UNLESS YOU ARE FULLY AWARE OF AND WILLING TO ACCEPT THESE RISKS.

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STORAGE

Daily care is critical to the longevity of your FunCat. The hulls must be cleaned after each day of use to avoid potential staining.

The seat fabric should be washed daily with a mild soap to remove; body sweat, salt water, sun tan oils and dirt accumulation.

Be sure to turn the power off at each Breaker to avoid possible drain on the battery. For long term storage, remove the batteries completely.

SPECIFICATIONS

Fully Assembled Dimensions.....	135"L x 4'-6"H x 6'-3"W
Pontoon Dimensions.....	135"L x 1'-7"H x 1'-4"W
Seat Dimensions.....	6'L x 2'-9"H x 3'-10"W
Pontoon Construction..	High-density, roto-molded polyethylene
Frame Construction.....	Powder-coated, aluminum tubing
Seat Construction.....	Vinyl-coated polyester
Motors.....	2 ea., 12V
Propeller Diameter	3-Blade..... 9"
Hardware.....	Stainless steel
Charging Time.....	Overnight
Shipping Information.....	3 Boxes
	2 ea @ 134" x 28" x 16" (117.5 lbs)
	1 ea @ 112" x 20" x 74" (105 lbs.)

OPTIONAL ACCESSORIES

- Bimini shade frame with fabric
- Series 27, gel-cell, marine battery
- Transport trailer
- Battery charger (mounted inside pontoon)
- Battery charging system (multiple batteries)
- L.C.D. Battery level indicator
- Telescoping paddle
- Boat Cover
- Near shore life vests
- Seat back storage pouch for life vests and paddle

SAFETY RULES AND INFORMATION

- Read and understand the entire owner's manual before assembling and using the FunCat.
- Make sure that everyone who uses the FunCat is provided with and understands these safety rules and information.
- DO NOT USE THE FUNCAT WITHIN 30 FEET OF ANY SWIMMERS, SWIMMING AREAS, OR BOATING TRAFFIC.
- ALWAYS WEAR A UNITED STATES COAST GUARD APPROVED PERSONAL FLOTATION DEVICE WHEN USING THE FUNCAT.
- Never use the FunCat after sunset, before dawn, or any other time in poor lighting conditions unless your FunCat is equipped with approved lights. Please follow the laws regarding boating in the dark in the area in which you are using the FunCat.
- Never use the FunCat in rough surface water conditions, during a storm, or when there is lightning. If an unexpected storm arises while using the FunCat, seek shelter on shore. Do not stay on the FunCat.
- Never use the FunCat after consuming alcohol or drugs.
- Always stay under control while operating the FunCat.
- Never dive off the FunCat into the water. If you jump off the FunCat into the water, always enter the water feet first.
- Never swim or play under the FunCat.
- Never use the FunCat without checking the batteries. The batteries should be fully charged before each use.
- Never exceed the distance your craft can travel on fully charged batteries.
- Never exceed the maximum load capacity of 2 persons or 400 lbs. (177kilos).
- Prevent the FunCat from unauthorized or unsupervised use.
- Inspect the FunCat before each use and replace any worn, defective, or missing parts.
- Never sit on the seat back. Damage may occur.

COMMON SPARE PARTS

Part Number	Description
FC011EA-F	Main Control Board Breaker (Power Switch)
FC011EA-B	Main Control Board Assembly (W/Breaker)
FC001RP-A	Right Pontoon
FC001LP-A	Left Pontoon
FC005FH-A	Foward Hatch
FE005AH-C	Aft Hatch
FC003DK-A	Pontoon Deck Fitting Assy.
FC031LR	Left Arm Rest
FC033KK	Right Arm Rest (W/O Controls)
FC001RP-G	Battery Compartment Hatch
FC001RP-H	Cooler Compartment Hatch
FC009SA-A	Fabric Sea Cover (w/FunCat Logo)
FC009SA-B	Seat Cover Lacing Cord
FC009MG-A	Electric Motor
FC009MG-J	3-Blade Polycarbonate Propeller
FC011EA-E	Motor Control Rocker Switch
FC036TP	Telescoping Paddle
FC037LV	Near Shore Life Vest - 4 Pack
FC012LK-A	"Caution Propeller" Decal
FC012LK-C	"Maximum Capacity" Decal
FC012LK-G	"FunCat.Com" Arm Rest Decal
FC001RE-J	Pontoon Graphics Package
FC007MF	Complete Fastener Kit - Frame
FC023OM	Operations Manual



316 Stainless Steel Fasteners



Easy to use Controls

Warning

NEVER place your hand or any part of your body near the propellers whenever the FunCat is running or someone is seated in your FunCat who could inadvertently engage the motor. The propellers spin at high speed and may cause serious injury. ALWAYS USE EXTREME CAUTION WHENEVER NEAR THE PROPELLERS.

Plastic Replaceable Propeller

Your FunCat is shipped with multi-blade, polycarbonate propellers. Use caution whenever dragging your FunCat ashore to avoid damaging the propeller. Always rotate the propeller to a one blade pointed up position before dragging your FunCat ashore to avoid propeller blade damage.

3-Blade Performance Propeller



Warning

- MISUSE AND ABUSE OF THE FUNCAT IS DANGEROUS AND CAN CAUSE SERIOUS INJURIES OR DEATH.
- READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING YOUR FUNCAT.
- INSPECT YOUR FUNCAT BEFORE USING AND REPLACE ANY WORN, DEFECTIVE, OR MISSING PARTS.

The FunCat catamaran is an eco-friendly, battery-powered, personal pontoon craft.

ESCAPE FROM THE CHAOS

The FunCat is built for comfort, stability, safety and reliability. Two adults sit cozily, side-by-side, on the spacious lounge. A ride on the FunCat on a quiet, sun-filled afternoon takes relaxation to a new level.

EASY TO OPERATE

The FunCat's easy to use controls are mounted in the armrest for convenience. Just manipulate the two switches and you can maneuver the FunCat in any direction. Anyone can quickly learn; the controls are intuitive.

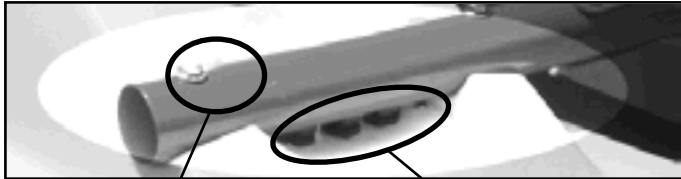
STABLE AND SAFE

The FunCat's catamaran design is extremely safe. The twin, high-density polyethylene, roto-molded pontoons are strong, watertight and durable. The length and stance of the pontoons provide excellent stability. Each pontoon contains a tunnel-mounted electric motor designed to be environmentally friendly and safe. The craft runs on clean, cheap, efficient electric power. The motors are powered by two, deep-cycle rechargeable batteries (not included) located in the pontoon compartment for easy access and recharging.

ASSEMBLING THE FUNCAT

Set Frame on pontoons and Attach Wiring

Locate the three wires extending from bottom of each side of the rear cross bar on the Seat Frame. Each wire must be carefully fed into the hulls and sealed using the six individual seal connectors (6 ea.) Located on the top of each hull.



Frame Mounting Bolt (4 per hull) Electrical Cable Seal Connectors (3 per side)

1. Space pontoons approximately 4 feet (1.2m) apart on a level surface with the access hatches facing towards each other.
2. Remove the seal connector caps (6 ea.) and rubber grommet insert located beneath the seal connector caps. Set the frame on the pontoons. Then locate the 4 3/8-16 x 2 1/2 hex bolts. Install them in the bow cradle mounts of each pontoon using the included lock then flat washer on the bolts. Only hand tighten at this point.
3. Place a block to support and space the frame approximately 2 inches above the hull and feed the individual wires through the hull penetrations (seal connectors).
4. Feed the individual wires through the seal connector cap, followed the rubber grommet and position them where the wires exit the cross frame.
5. With all of the wires fed through the seal connectors, carefully lower the frame into position while inserting the rubber grommets into the seal connectors and hand tighten the seal connector caps until the rubber seal is tight around the wire. Use a 15/16" open end or adjustable wrench, DO NOT OVERTIGHTEN.
6. Locate the 3/8"-16 x 3" (4 ea.) stainless steel frame mounting bolts, 3/8" flat washers, 3/8" rubber washers and 3/8"-16 nylock nuts.

LIABILITY

While every attempt is made to embody the highest degree of protection in all equipment, we cannot guarantee freedom from injury. The user assumes all risk or injury due to use. All merchandise is sold on this condition, which no representative of Sub Sea Systems, Inc, can waiver or change.

OPERATING THE FUNCAT

Operating the FunCat is easy. Here are some tips.

Note: To prolong motor life, do not switch quickly between forward and reverse. Always allow the motors to come to a complete stop before reversing motor direction.



*When initialing forward motion, a light reverse thrust will be felt before moving forward.

FORWARD

Depress the forward portion of both rocker switches.

REVERSE

Depress the rear portion of both rocker switches.

RIGHT TURN:

For a slow, smooth right turn; depress the left power control in the forward position while the right control remains off. For a sharp right turn; depress the left power control in the forward position and the right power control in the reverse position.

LEFT TURN:

For a slow, smooth left turn; depress the right power control in the forward position while the left control remains off. For a sharp left turn; depress the right power control in the forward position and the left power control in the reverse position.

TO TURN THE FUNCAT OFF:

Release both power controls to the neutral position.

CAUTION! Never stand in the seat and lean against the seat back. Excessive pressure may damage the seat back frame. NEVER SIT ON THE TOP OF THE SEAT BACK FRAME, DAMAGE MAY RESULT AND WILL VOID WARRANTY.



CAUTION! SHARP OBJECTS IN A BACK POCKET OR PLACED BENEATH A PERSON WHILE SITTING ON THE SEAT MAY CAUSE DAMAGE TO THE SEAT FABRIC. USE CARE AND CAUTION NOT TO SIT ON SHARP OBJECTS WHICH MAY PUNCTURE, TEAR OR DAMAGE THE SEAT FABRIC.



Frame Shown Secured To The Hulls

8. Pass the frame bolts with flat washer through the frame then the rubber washer through the hull. Reach through the access hatches located in the stern and install the flat fender washer followed by the nylock nut.

Finger tighten all bolts until fully assembled

WARNING - DO NOT USE POWER TOOLS.

9. Now, tighten the bow frame bolts then using a wrench to hold the bolt head, carefully tighten the nylock nut with a socket wrench until firmly secure (do not overtighten, thread damage may occur).

ASSEMBLING THE FUNCAT

Connect Wiring - Main Control Board

Connecting the power cable, ground and control wires is simple provided you carefully follow these instructions. **WITH BATTERIES DISCONNECTED:**

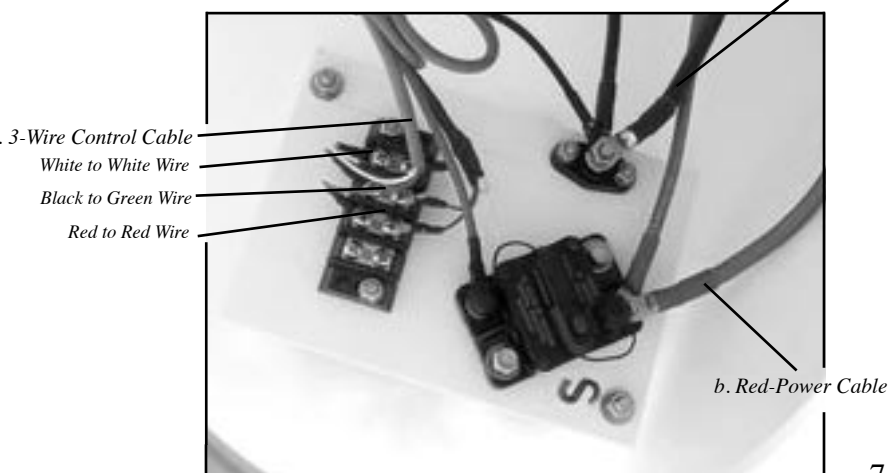
1. Remove the hatch cover on the inside rear of the hull.



2. Identify the following three wires per hull:
 - a. 3-wire control cable
 - b. Red-power cable
 - c. Black-ground cable

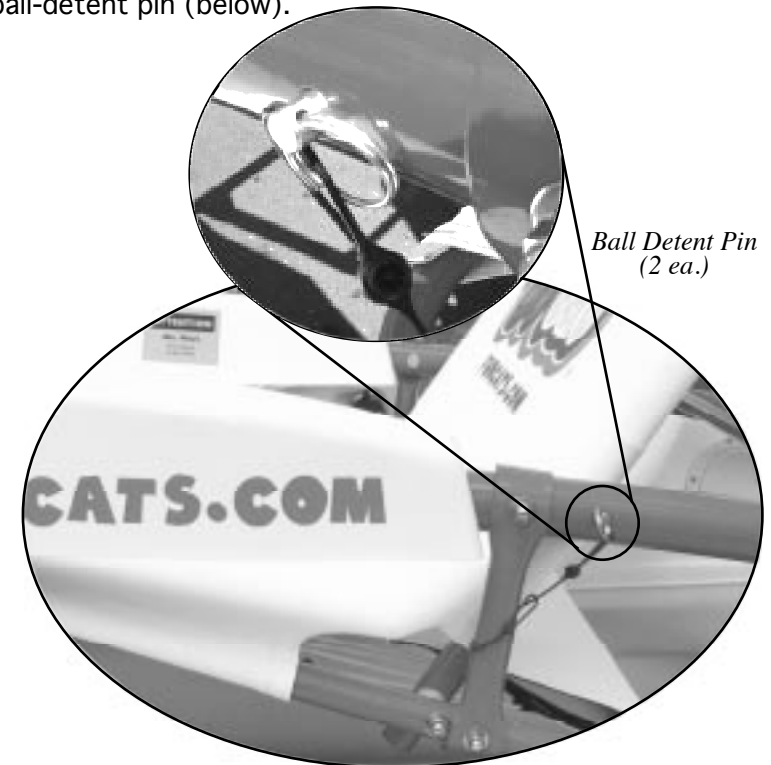
(Be careful to not over tighten the hex nuts.)

3. Attach wires as indicated below: *c. Black-Ground Cable*



SEAT FRAME / FABRIC

Your FunCat is normally shipped with the seat in the re-tilted position to reduce the shipping size. To secure the seat back to the normal or upright position, identify the ball-detent pin (below).



1. Locate the ball detent pin (secured to the frame by lanyard).
2. Raise the seat back so that the frame rests against the ball detent pin.

TO RECLINE

Remove the ball detent pin (both sides). The seat back will recline according to the tension on the seat fabric. Maximum recline cannot exceed the rear support frame located behind the seat back. **NEVER FORCE!**

ASSEMBLING THE FUNCAT

Connect Wiring

Installing the Batteries (2 ea. - Not Provided)

Recommended Battery Specification:

- Marine Rated
- Deep Cycle - AGM or Gel Cell Maintenance Free
- Fully Sealed
- 12 Volt
- Amp Hours - Appx. 85 or higher
- Cranking Amps - 700 or higher
- Group: 27
- Pole/Connector Location - Top
- Built-in Handle (required)

Always use batteries of identical make, model and manufacturing date.

1. Carefully place the batteries into each of the battery compartments located within each hull. **DO NOT DROP BATTERY INTO PONTOON COMPARTMENT!** Make sure the battery is making full contact with the bottom of the pontoon compartment before you release the battery! Failure to comply with these directions may result in pontoon damage and void product warranty. (Position so that the negative battery post is located towards the stern of the FunCat).

2. Rotate the props to make sure they won't hit anything. Connect the Red (+) and Black (-) cables to the battery terminals as indicated below:



3. Reset the Main Breaker to the "ON" position.

4. Push the armrest switches to forward. The props will turn in reverse momentarily and then go forward. Push the switches in reverse and the props should go in reverse.

ASSEMBLING THE FUNCAT

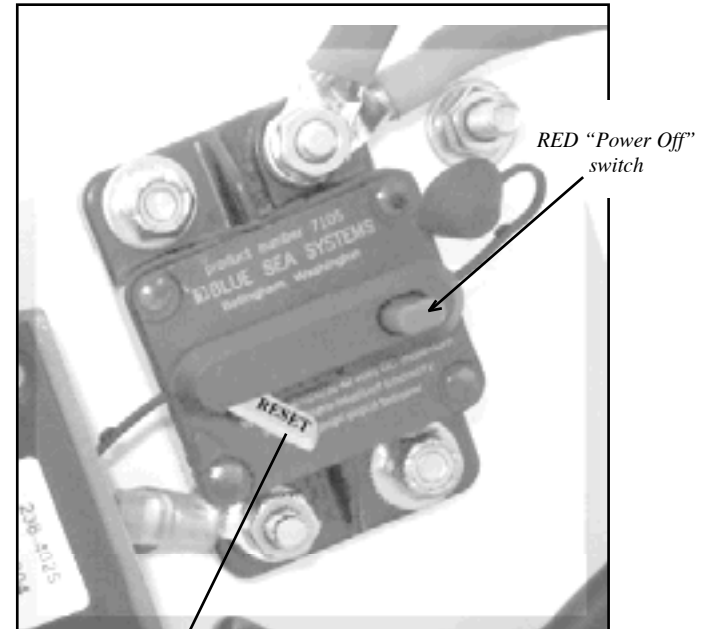
Connect Wiring

4. Repeat steps 1, 2 and 3 on the opposite hull.

Set Main Breaker to the Off or Disconnected Position

At the Main Control Board accessible from the hatch access covers (left and right pontoon), locate the main breaker (shown below) and depress the RED button to disconnect any power traveling from the battery to the controls, **BEFORE CONNECTING THE BATTERY CABLES TO THE BATTERIES.**

Main Breaker (2 ea.)

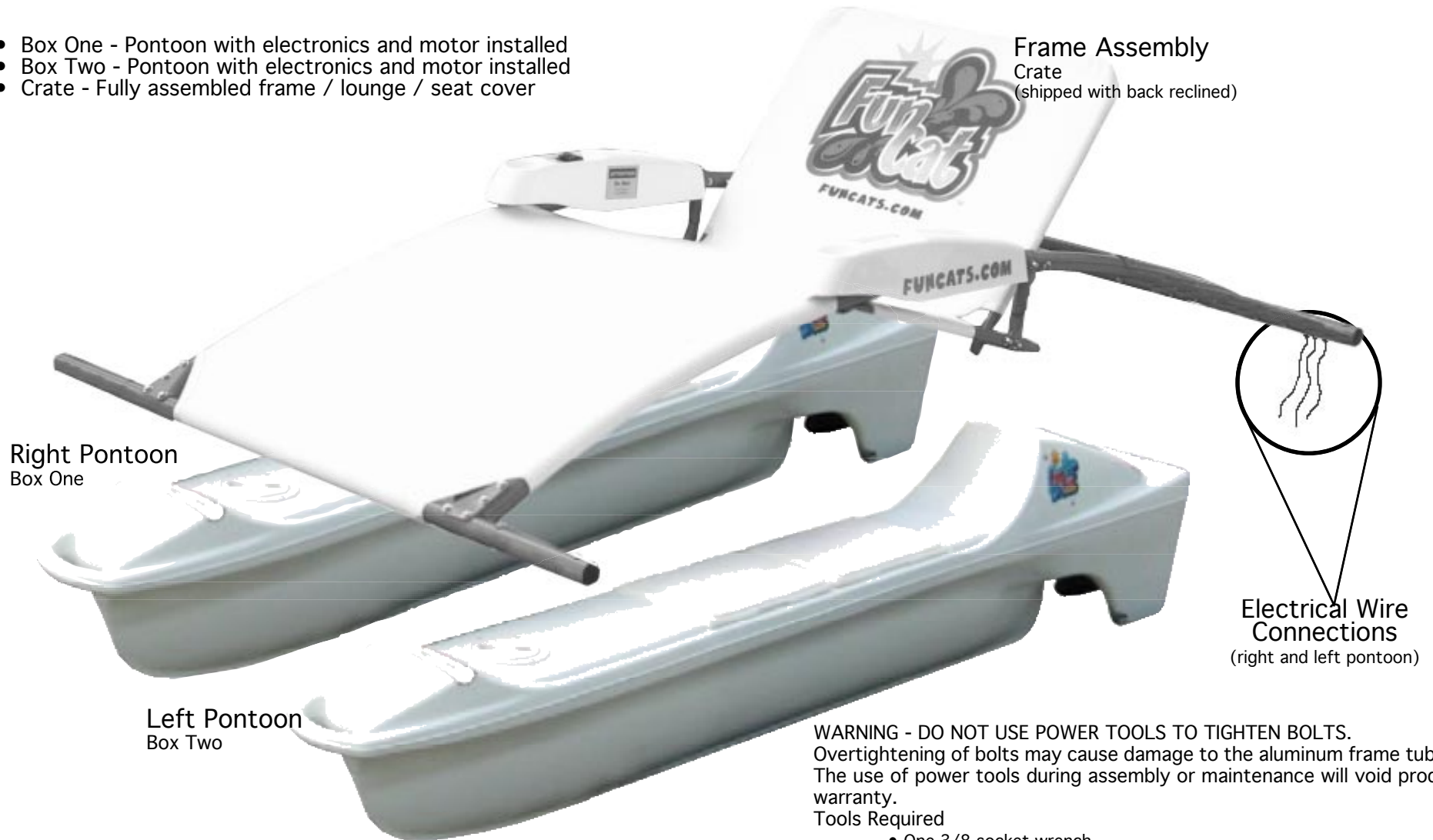


When depressing the RED button the "RESET" lever will swing down indicating the power to the Main Control Board is in the OFF position. To reset, swing the RESET lever up into the "Closed" or "On" position.

FunCat Main Component Assemblies

Unless ordered fully assembled, your FunCat is shipped in two boxes and one crate;

- Box One - Pontoon with electronics and motor installed
- Box Two - Pontoon with electronics and motor installed
- Crate - Fully assembled frame / lounge / seat cover



WARNING - DO NOT USE POWER TOOLS TO TIGHTEN BOLTS. Overtightening of bolts may cause damage to the aluminum frame tubing. The use of power tools during assembly or maintenance will void product warranty.

Tools Required

- One 3/8" socket wrench
- One 9/16" Socket, One 9/16" Open-end wrench (Frame Bolts)
- One 7/16" Socket, One 1/2" Socket (Circuit Breaker Power Post)
- One Phillips head screw driver (control wires)
- One 15/16" Open-end wrench or 8" adjustable wrench (seal, tight connectors)