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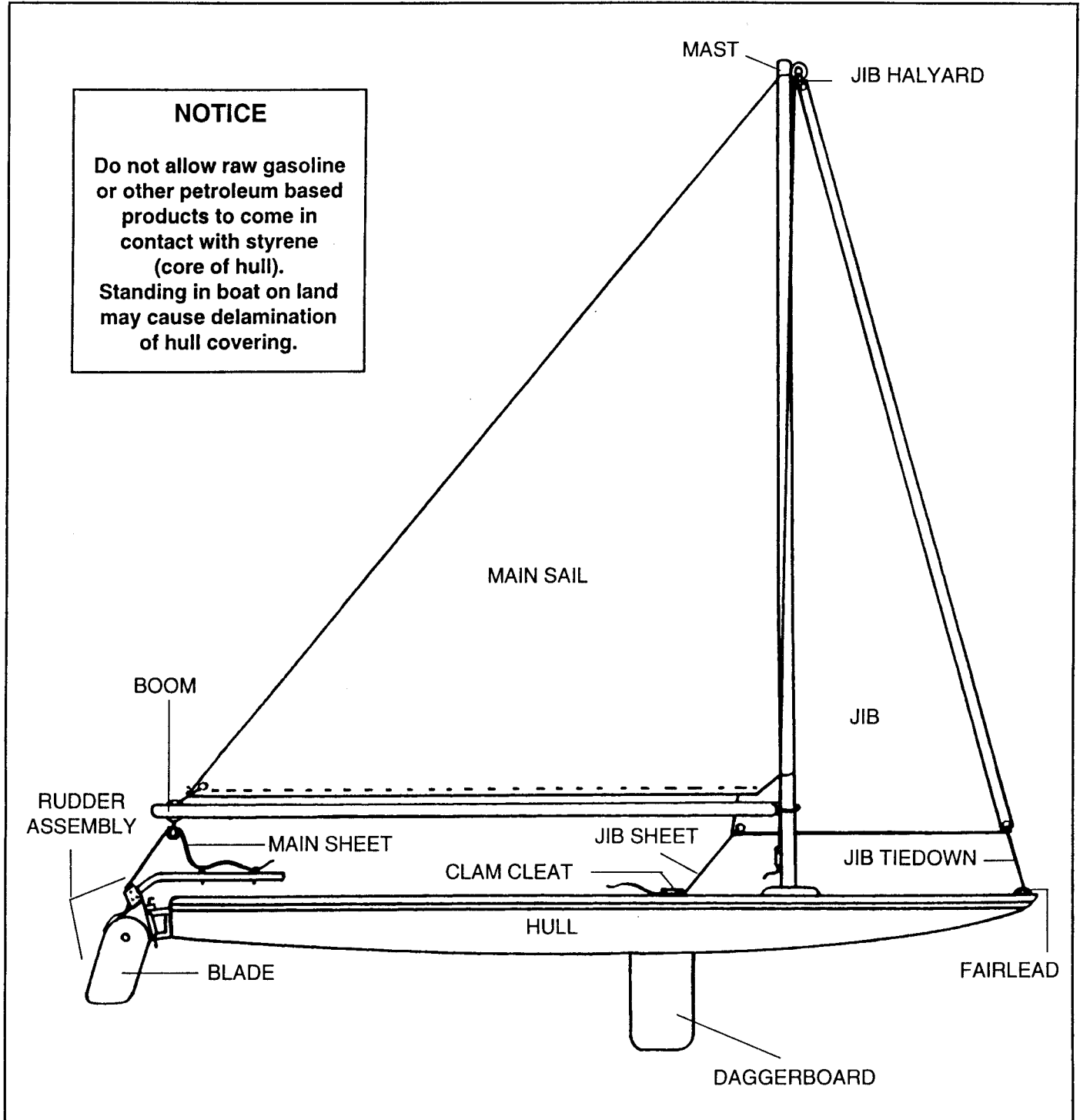


SNARK BOATS

SEA SKIMMER MODEL SB 195 OWNERS MANUAL

NOTICE

Do not allow raw gasoline or other petroleum based products to come in contact with styrene (core of hull). Standing in boat on land may cause delamination of hull covering.



SPECIFICATIONS

Length.....	12'	Sail Area (Main).....	55 sq. ft.
Beam.....	.39"	(Jib).....	15 sq. ft.
Crew Capacity (People & Gear).....		475 lbs.	

ASSEMBLY

A. INSTALLING RUDDER & HARDWARE

1. Install two eye bolts with locknuts (items 15 & 16) in tiller (item 20) (see Detail A).
2. Slide the tiller over the pointed end of the rudder head (item 22) and align the rear most hole in the tiller with the hole in the top of the rudder head. Secure with 1" long hex head bolt and locknut (items 16 & 21).
3. Insert the carriage bolt (item 23) through the square hole in the center of the rudder head. The bolt must enter through the left side, not the flat side. Install the rudder blade (item 26) on the carriage bolt, then washer and locknut (items 24 & 25). Locknut should be tight enough to hold rudder blade down while sailing yet loose enough to allow it to kick-up automatically when you beach.
4. Place rudder head (item 22) on gudgeon (item 23) with the pointed end up. Secure in position by sliding the rudder "L" pin (item 27) through the flanges. Insert the cotter pin (item 28) through the small hole in the lower end of the "L" pin.

B. RIGGING AND SAILS

1. Place plastic caps (items 6 & 12) on ends of mast (item 5) and boom (item 11) that have holes drilled in them. At opposite end of boom, insert yoke (item 18). You may spread yoke slightly if you want a tighter fit.
2. Thread mast through vertical seam of main sail (item 3) plastic cap at top. Insert 3" long eye screw (item 9) through grommet at top of main sail and then through hole at top of mast, tighten nut provided (item 10) (see Detail B). Be sure that eye of eye bolt is on opposite side of mast from the two small holes at the bottom of the mast. Thread boom, plastic cap first, from front (tack) to back (clew) through horizontal seam, plastic cap in rear.
3. Place pulley block (item 13) and eye bolt (item 15) on spiral ring (item 14). Insert eye bolt through hole at rear of boom (see Detail A) and line anchor (item 17) secure with locknut (item 16)
4. Fasten cleat (item 7) to lower end of mast with screws provided (item 8).
5. Cut line set into 3 – 20' pieces, 1 – 16' piece, 1 – 2' piece, and 1 – 16" piece. Burn the cut ends of the rope so that they do not unravel, but be careful ends will be hot to touch at first.
6. a. 16" (inches) of line, tie one end to line anchor and the other to the grommet at the rear of the sail.
b. 20' (feet) of line, tie one end to top of jib sail. (A Bowline or half hitch knot is recommended – see your sailing manual for knots). Thread through eye bolt at the top of mast, down the mast and tie off around cleat. **IMPORTANT:** To prevent the possible loss of your rig, if boat is completely capsized, you should take the loose end of the line that is tied to the cleat, (about 10") and thread it through the small eye bolt provided at the mast base on the deck then cleat it back on the cleat securely.
c. 20' (feet) of line, thread through pulley. Tie ends together loosely until step C-2.
d. 2' (feet) of line and tie one end to lower front grommet of jib sail (Bowline or half hitch knot). Other end is tied in step C-3.
e. 16' (feet) of line and tie the center of this rope to lower rear grommet of jib sail. Other ends are tied in step C-4.

C. RIGGING SAIL ASSEMBLY TO BOAT HULL

1. Pick up entire sail assembly and set mast into mast socket in the deck. Lower boom into position and place the yoke end of the boom around mast. Now slip piece of plastic hose (item 19) over yoke. (see Detail D).
2. The line used in B-6c. above, is untied and the end coming from the pulley is tied to the tiller eye strap (see Detail A) (Bowline knot is suggested.) The other end is threaded through the two eye bolts in tiller. Tie a knot in the end of this line so it will not go back through eye bolts while sailing. The loose line is used by the skipper to control the sail.
3. The jib line in B-6d. above, is tied to the bow eye on the hull. The grommet should not be more than 3" above the deck when you've tied it. (See sailing manual) When sailing, the front edge of the jib sail should be taught. You may adjust this tension with the halyard (line that holds the jib sail up).
4. The jib control line from B-6e. above, are each threaded through clam cleats (item 31), on each side of the deck. Tie a knot in each end of this line so it won't slip out of the clam cleats. When sailing, one jib sheet is adjusted and tight in its cleat while the other is loose.
5. Insert Daggerboard part way down and you are ready to sail. Do not push daggerboard all the way down until you are in two feet of water.

TOOLS NEEDED FOR ASSEMBLY:

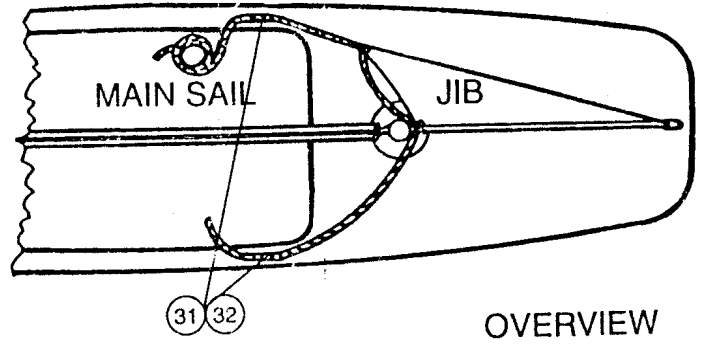
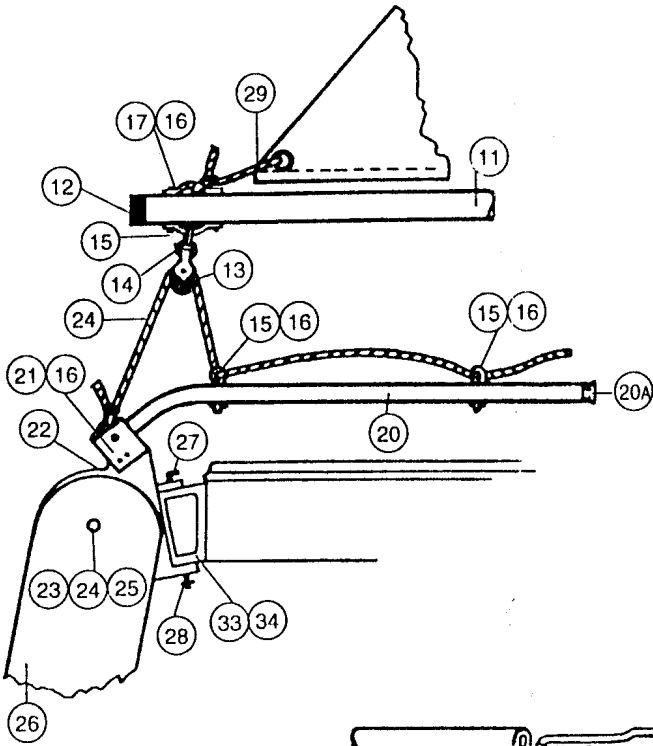
- Flat Blade Screwdrivers
- Knife
- Needle Nose Pliers
- Adjustable Wrench
- Matches

NEED OF HELP?

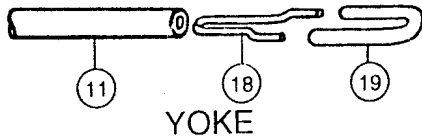
IF PARTS ARE MISSING OR IF YOU HAVE QUESTIONS CONCERNING ASSEMBLY, CONTACT YOUR DEALER OR CALL SNARK BOATS

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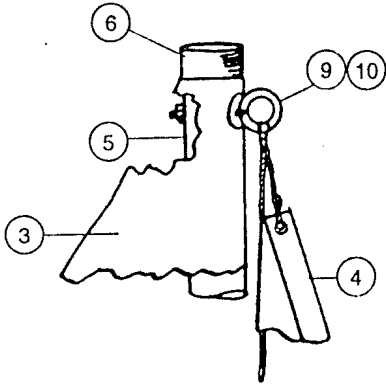
DETAIL "A"



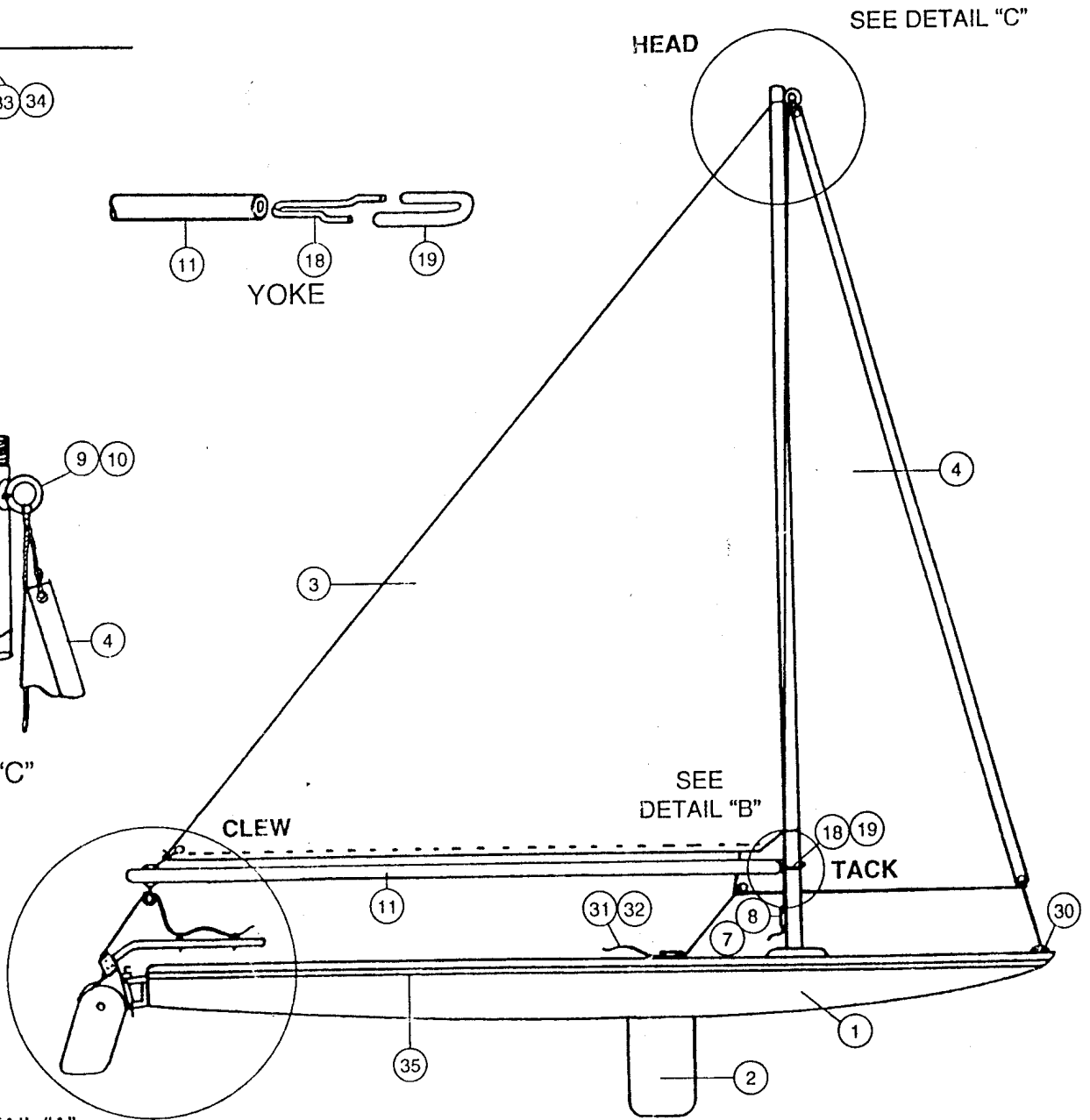
OVERVIEW



YOKE



DETAIL "C"



SEE DETAIL "A"

IMPORTANT - OWNER'S RESPONSIBILITY

BE SURE TO READ THE FOLLOWING
BEFORE LAUNCHING YOUR SAILBOAT

- A. Before operating your boat, read the Snark Sailing Manual carefully and be thoroughly familiar with the rules for safe operation.
- B. Do not overload your boat. Capacities are clearly stated on the Capacity Information Plate located on the transom of the boat.
- C. The Sea Skimmer is a small boat and caution must always be used, particularly when operating on open bodies of water where conditions can be unexpectedly severe. Never sail in severe weather. If your boat becomes difficult to control, head for shore.
- D. Always carry a Coast Guard approved personal flotation device for each person aboard and check with local authorities for regulations governing registration and operation of your boat. If capsizing should occur, stay with your boat until help arrives. It will not sink and it is far easier for rescuers to see than a lone swimmer.
- E. Transporting any boat on a cartop rack places considerable stress on the hull unless properly supported. Care must be used in adjusting straps, cables and clamps to prevent excessive pressure on the boat. The boat should rest inverted on its gunwales. Padding should be placed between the gunwales and the cartop carrier to prevent chaffing. In addition to securing the boat to the cartop carrier, the bow and stern should be secured to the vehicle to prevent longitudinal movement.
- F. To minimize needless wear and excessive scratching avoid dragging your boat over abrasive surfaces such as concrete launching ramps, coral or rocky beaches, garage floors, etc.
- G. The ArmorClad™ construction is exceptionally strong, but like other boat construction materials, it is not indestructible. The Sea Skimmer will absorb impact exceptionally well. However, severe localized impact can cause a fracture. (It is improbable that the fracture would affect more than the impacted skin and the adjacent foam.) Repairs can be made relatively easily using the ArmorClad™ Repair Kit.

CARE AND MAINTENANCE

YOUR BOAT: Your boat should be kept inside or covered when not in use. Avoid long periods of exposure to direct sunlight or weather.

CAUTION: If the ABS skin is fractured and the EPS foam core exposed, gasoline or oil spillage will cause damage. Repairs to the exposed area should be made immediately using the Epoxy Repair Kit available from Snark Boats.

CLEANING YOUR SNARK: Do not use solvents, detergents, polishes, waxes, or any other cleaners or protectants on your boat since these products can damage it. Use a soft brush and mild soap *only* to clean your boat. Suntan oils, cosmetics, and grease should be removed promptly to deter permanent stains.

REPLACEMENT PARTS LIST

NOTE: Items with Asterisk(*) must be shipped by commercial truck (freight collect). All other parts will be shipped UPS or USPS. Specifications are subject to change without notice.

Key No.	Qty.	Part No.	Description
1	1	HSB195	Hull Only *
2	1	62420	Daggerboard
3	1	40015	Main Sail
4	1	J40015	Jib Sail
5	1	28430	Mast (144") *
6	1	29130	Mast Cap
7	1	P22530	Line Cleat Assembly
8	2	22630	1/2" Tap Screw
9	1	P29730	Mast Eye Bolt Assembly
10	1	31220	1/4-20 Locknut
11	1	28330	Boom (106")
12	1	28830	Boom Cap
13	1	P26830	Pulley Block Assembly
14	1	27730	Spiral Ring
15	3	22730	10-32 Eye Bolt
16	4	61010	10-32 Locknut
17	1	27630	Nylon Line Anchor
18	1	P27330	Boom Yoke
19	1	30030	1/4" Plastic Hose
20	1	P74130	Tiller Assembly
20A	1	62470	Tiller Cap
21	1	60100	10-32 x 1 Machine Screw
22	1	P62020	Rudder Head Assembly
23	1	62560	5/16 Carriage Bolt
24	1	61620	5/16 Washer
25	1	62660	5/16 Locknut
26	1	62760	Rudder Blade
27	1	P62250	Rudder "L" Pin
28	1	60060	Cotter Pin
29	60'	28935	Line Set
30	1	24230	Boweye (Factory Installed)
31	2	P63630	Clam Cleat Assembly (Factory Installed)
32	4	40086	#10 x 1 - 3/4 Screw
33	1	P40000	Gudgeon Assembly (Factory Installed)
34	4	60900	#14 Screw
35	1	28030	Rubrail (Factory Installed)



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