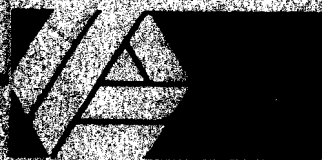


O'day

**YACHT
OWNER'S
MANUAL**



**BANGOR
PUNTA
MARINE**

O'DAY 31 BY LEAR SIEGLER MARINE

YACHT'S NAME _____

HOMEPORT _____

REGISTRATION NO. _____

OWNER'S NAME & ADDRESS _____

RADIO CALL NUMBER _____

SAIL NO. _____

HULL IDENTIFICATION NO. _____

KEY NO.s _____

ENGINE SERIAL NUMBER _____

IMPORTANT SAFETY INFORMATION

Sailing is wonderful recreation, but it is important that you take certain simple safety precautions. The following are some of the more important boating safety precautions. We discuss most more fully later on in this booklet, but put them here for your quick review.

1. **Learn To Be A Good Sailor.** It takes time and, often, thorough instruction to learn to be both a safe and effective sailor. Unless you have already received instruction, you should attend the classes in your area or take a home study "Skipper's Course." Write your nearest Coast Guard or local U.S. Power Squadron office for further informaton.
2. **Danger of Lightning and Electrical Power Lines.** If your boat is struck by lightning or if the mast or rigging makes contact with an electrical power line, you may be seriously burned or killed. Even though your O'Day boat has a lightning ground system which complies with industry standards, this still **may not** protect you if lightning should strike the boat and **will not** protect you if the mast hits an overhead power line. To best protect yourselves from these hazards:
 - (a) check the weather forecast before going sailing; if thunderstorms or lightning is predicted, do not go out.
 - (b) if you are out and find that lightning is present in your area, stay as far as possible away from the mast, boom, standing rigging, and all other metallic objects. These are all electrical conductors, which will carry electric current and cause severe shock, injury or death.
 - (c) when launching your boat and when sailing, be very careful not to allow the mast or rigging to touch any overhead wire. **Beware of all overhead wires;** high-voltage power transmission lines are usually not insulated and frequently look very similar to overhead telephone lines, yet they carry lethal currents. Consult nautical charts for the areas where you are sailing to make sure that there are no electrical lines which are hanging low enough that they might touch your mast or rigging. Know how high the top of your mast stands from the water so that you will know whether you will pass safely beneath electrical power lines.
3. **Safety Accessories:** Never use your boat without carrying all of the required safety accessories, such as fire extinguisher, distress signaling equipment, and personal flotation devices.
4. **Float Plan; Weather.** Leave a float plan (giving details on where you are going, with whom and when you plan to be back) so that you can be located and so that someone will know if you are overdue and be able to start a search for you. Carefully check the weather before you go out and periodically during your sail. No matter how well designed any boat is, there are weather conditions which it cannot withstand. While your boat has been designed to be self-righting under most circumstances, this does **not** mean that your boat will always right itself if capsized. Wet sails or rough weather conditions might even prevent you from manually uprighting it. Under normal circumstances your boat will not sink if capsized as long as you have closed and battened down all the hatches and other openings; however, in rough weather or unusual circumstances it could sink. Furthermore, if the boat is swamped and even if you do manage to get it to float upright, exposure to cold water for even a few minutes or to warm water for a longer period of time can cause hypothermia (a decrease in the body's temperature) and be fatal. Make sure you know what weather conditions you are going to encounter, and that you are well trained in bad-weather seamanship in case the weather changes unexpectedly.
5. **Refueling.** Exercise extreme care when refueling your boat. (See Fueling Procedure). You could cause an explosion or fire, which could badly burn or kill you. Never take a lighted match or work with an open flame (for example, a blow torch) in the fuel storage compartment, because even a low level of vapors may be present and catch on fire or explode.
6. **110-Volt Shore Power.** If you hook up to shore power, make sure the polarity-warning light and buzzer are not signaling. If they do, disconnect power immediately! This indicates that the polarity of the power cord is reversed and you could get an electrical shock that would burn or kill you.

O'DAY

LIMITED 1-YEAR WARRANTY

Limited 30-Day Warranty For Commercial Use

Lear Siegler Marine warrants each new O'Day boat manufactured by it to be free from defects in material or workmanship, under normal noncommercial use and service, for a period of 1 year after commissioning by the original retail customer, but in no event later than two years from the date of shipment by Lear Siegler Marine, subject to the terms and conditions stated below.

- 1) **WARRANTOR.** This warranty is granted by Lear Siegler Marine, a Lear Siegler Company, 848 Airport Road, Fall River, Massachusetts 02720-4793.
- 2) **PARTIES TO WHOM WARRANTY IS EXTENDED.** This warranty shall extend to any buyer (other than for purpose of resale or use in the ordinary course of the buyer's business), and any noncommercial transferee to whom such product is transferred during the warranty period and who normally uses it for personal, family or household purposes. For O'Day boats used commercially, this warranty also extends but it expires thirty (30) days after commissioning by the original purchaser.
- 3) **PARTS COVERED.** All parts manufactured by Lear Siegler Marine, including the hull, deck, and cabinetry are covered by this warranty; the installation work performed by Lear Siegler Marine on components not manufactured by it, is also covered by this warranty.
- 4) **PARTS NOT COVERED.** The following parts are not covered by this warranty:
 - a) masts, plywood, teak, external finishes (which include paint and gelcoat), and upholstery; and
 - b) engines, toilets, stoves, refrigerators, batteries, ignition systems, lighting devices, blowers, propellers, and other parts and equipment manufactured by others.Lear Siegler Marine will forward the owner warranties, if any, extended by other manufacturers.
- 5) **REMEDY.** If within the applicable warranty period any part or installation work covered by this warranty proves to be defective in material or workmanship, then Lear Siegler Marine shall, at its sole option, repair or replace the defective part. Parts and labor shall be at the expense of Lear Siegler Marine, but not transportation costs.
- 6) **PROCEDURE FOR OBTAINING PERFORMANCE UNDER THIS WARRANTY.** In order to obtain performance of the obligations under this warranty, the owner must promptly (within thirty days of discovery of the defect) notify Lear Siegler Marine or an authorized O'Day service center of the defect, and at Lear Siegler Marine's or the authorized O'Day service center's direction, return the defective part or product to be repaired or replaced under this warranty to an authorized O'Day service center. If repair or replacement by an authorized O'Day service center is determined by Lear Siegler Marine to be impractical, the owner shall return the defective part or product to Lear Siegler Marine. All transportation costs to and from the authorized O'Day service center or Lear Siegler Marine and all haul-out, launching and rigging costs, will be at the expense of the owner.
- 7) **DESIGN CHANGES.** Lear Siegler Marine reserves the right to make changes in the design or material of its products without incurring any obligation to incorporate such changes in any product previously manufactured or advertised.
- 8) **ENTIRE WARRANTY.** This warranty may be altered only in writing signed by an officer of Lear Siegler Marine. It may not be altered or extended orally or in writing by any other person.
- 9) **EXCLUSIONS AND IMPLIED WARRANTIES.** This warranty does not extend to any defect due to the negligence of others, failure to operate or maintain the product in accordance with the operation and maintenance instructions furnished with each new product, unreasonable use, accidents, alterations, or ordinary wear and tear. **IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY, AND FITNESS, ARISING UNDER STATE LAW, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY, WHERE SUCH LIMITATION IS PERMITTED. LEAR SIEGLER MARINE SHALL NOT BE RESPONSIBLE FOR LOSS OF USE OF ANY PRODUCTS, LOSS OF TIME, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES WITH RESPECT TO BUSINESS OR PROPERTY, WHETHER AS A RESULT OF BREACH OF WARRANTY, NEGLIGENCE OR OTHERWISE.** Some states do not allow (a) limitations on how long an implied warranty lasts or (b) the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not be applicable. This warranty gives the owner specific legal rights, and there may also be other rights which vary from state to state.

C O N G R A T U L A T I O N S

In choosing your new yacht from the O'Day line, you have selected one of the best values in today's sailboat market. The design and construction of this yacht reflect over twenty years of experience and knowledge gained in the building of over 50,000 boats.

Drawing on this experience and information gathered from sailors around the country, C. Raymond Hunt Associates has designed a strong, attractive and comfortable yacht which will provide you with many years of sailing pleasure. Hunt Associates is a well-known design firm whose credits include custom and production power boats, the original Boston Whalers, IOR racing yachts, police, and pilot boats, as well as a string of successful production sailboats for O'Day and Cal.

The use of aluminum, stainless steel, teak wood, and fiberglass all combine to produce a yacht that has much lower maintenance requirements than those in the past. However, it is vital that the necessary maintenance procedures be performed faithfully.

This manual is designed to familiarize you with your boat. The location and function of each system on board will be outlined to help make any adjustments or maintenance procedures more easily undertaken.

Lear Siegler Marine reserves the right to change specifications without notice, and this manual may not reflect all such changes. Since we are always striving to improve our product, modifications and improvements are constantly in process and, therefore, it is possible that your boat may contain features different from those enumerated in this manual. It is impractical to revise this manual for each such modification. It is our policy to make improvements whenever it is appropriate without waiting for corresponding updates in our manual.

Full information on optional equipment may not be contained herein. Contact the option manufacturer or your O'Day boat dealer for more information.

Please read and understand this manual and all others included with your boat, before operating any of the boat's systems. In addition to information contained in this manual, there are certain federal, state, and local regulations pertaining to safe and legal operation of pleasure craft that you should familiarize yourself with. Local governmental agencies and boating groups can help you become aware of these regulations.

Thank you for the confidence you have shown in O'Day by selecting one of our products.

Have Fun, and Good Sailing!

Lear Siegler Marine



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GENERAL

DIMENSIONS and CAPACITIESHULL DIMENSIONS

o	LOA	30' 1 1/2"
o	LWL	25' 7"
o	Beam	10' 9"
o	Draft - Deep Keel	5' 1"
	- Shoal Keel	3' 11"
o	Displacement - Deep Keel	10,100 Lbs.
	- Shoal Keel	10,400 Lbs.
o	Ballast - Deep Keel	3,800 Lbs.
	- Shoal Keel	4,100 Lbs.

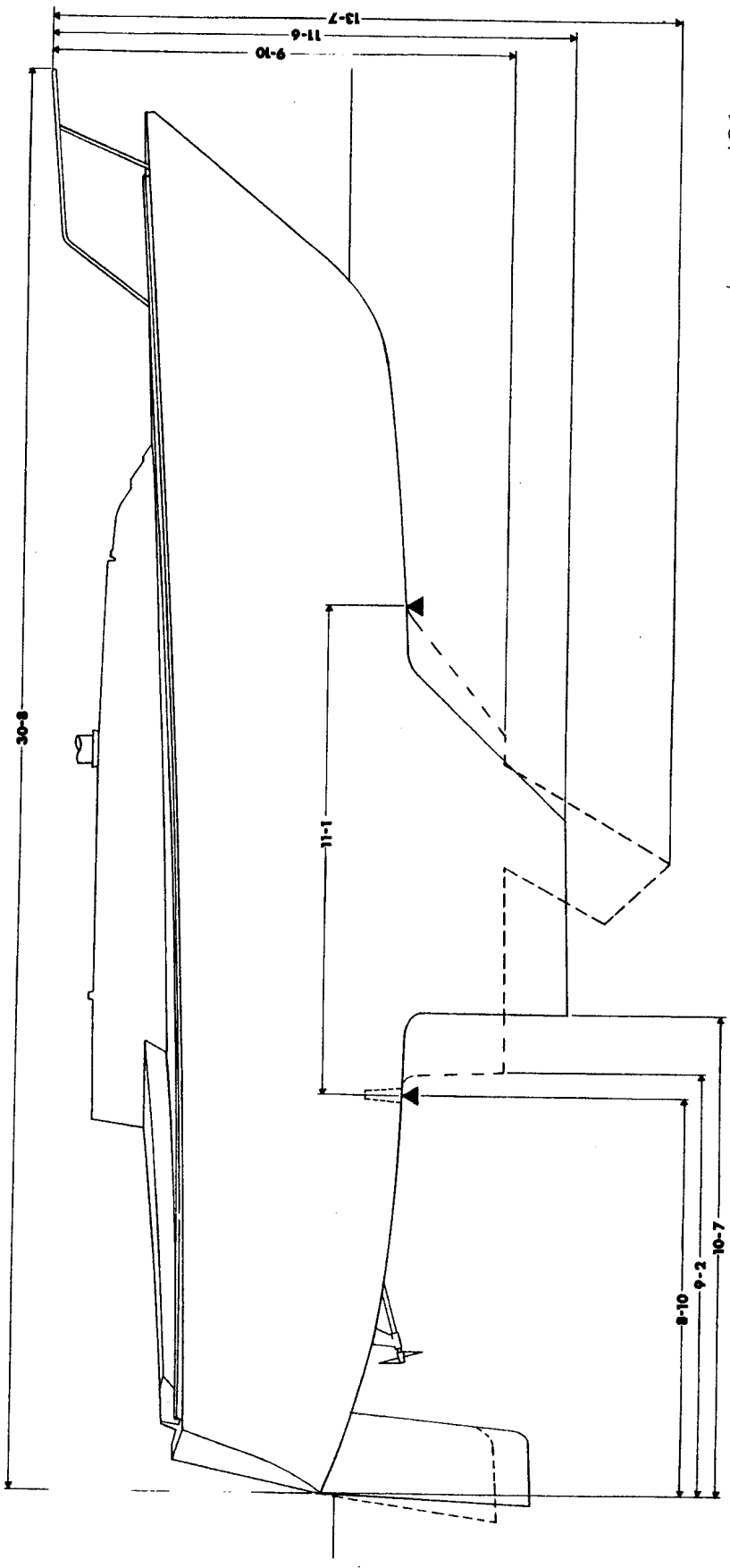
RIG DIMENSIONS

o	I	39.75'	477	7	243.3
o	J	13.25'	129		
o	P	33.75'	339	408	
o	E	10.25'	123	173	
o	Sail Area (100% Foretriangle)	436.3			Sq. Ft. 436
o	Bridge Clearance on DWL	44.0'			

MISCELLANEOUS

o	Berths	6	
o	Fresh Water Capacity	25	Gallons
o	Icebox Capacity	4.5	Cubic Ft.
o	Fuel Capacity	26	Gallons
o	Engine	Diesel Universal, Fres Water Cooled, 2 cylind 14 HP	
o	Hot Water Heater	6	Gallons
o	Stove Fuel - Alcohol	3	Gallons
o	Head Holding Tank	15	Gallons

TOP VIEW



O'DAY-30/31

DOCKING PLAN

C. R. HUNT ASSOC.

OCT 6, 1960

▲ = LIFT POINTS

SCALE: 1/2" = 1'-0"

DESIGN NO. OD-31

O'DAY-31

SAILPLAN

SCALE: 1/2" = 1'-0"

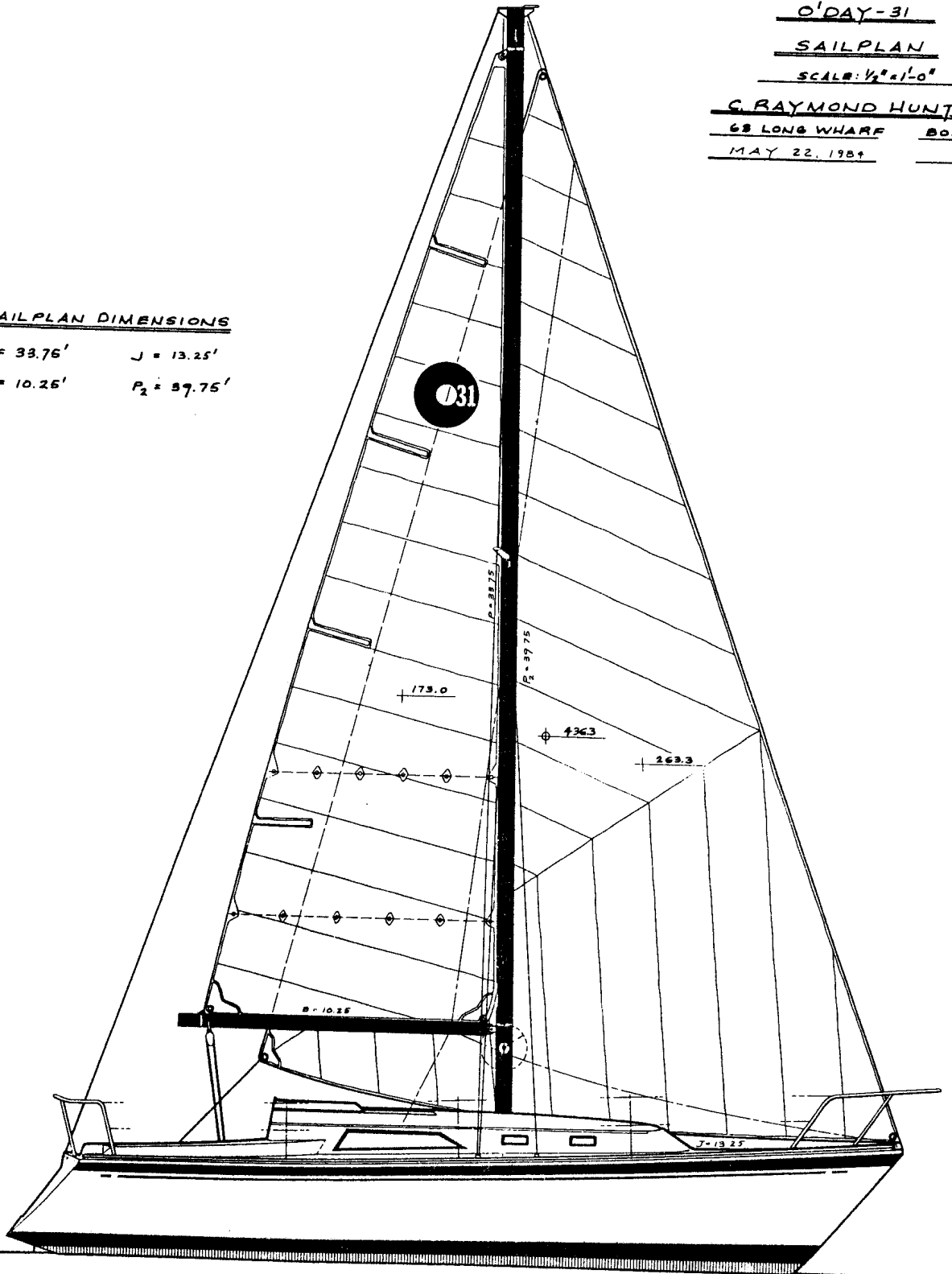
C. RAYMOND HUNT ASSOC.

68 LONG WHARF BOSTON, MA

MAY 22, 1984 PSB

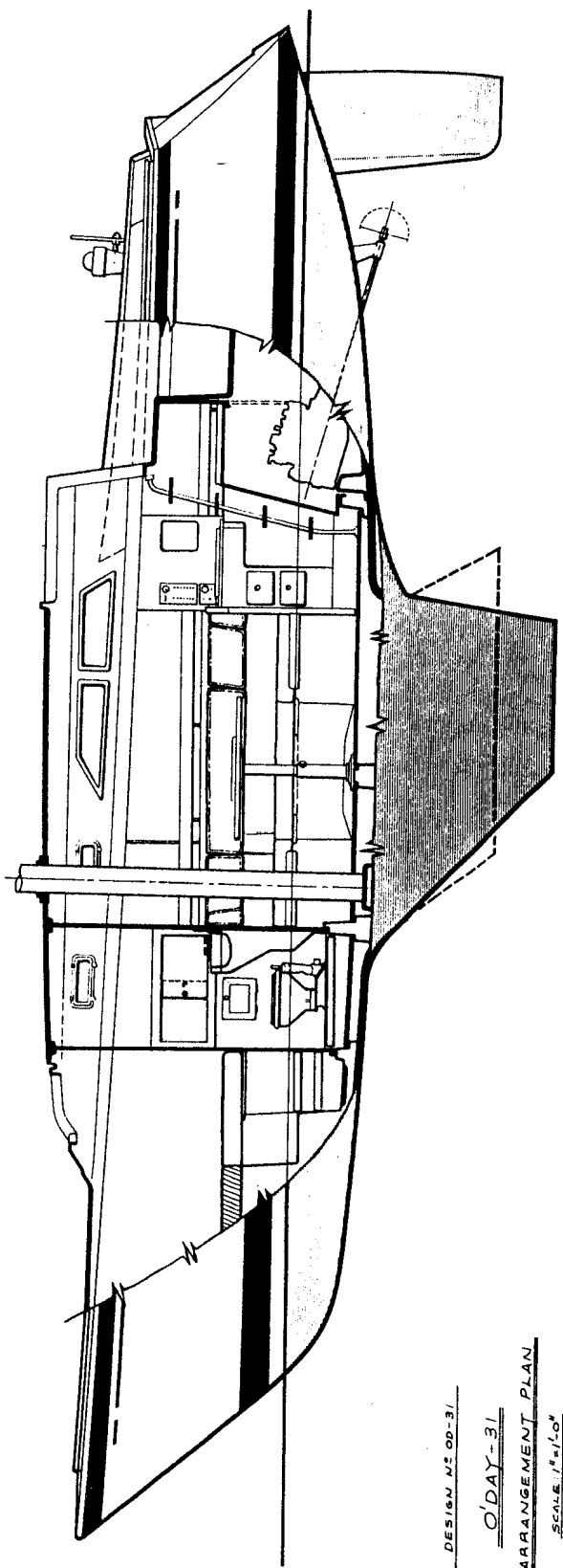
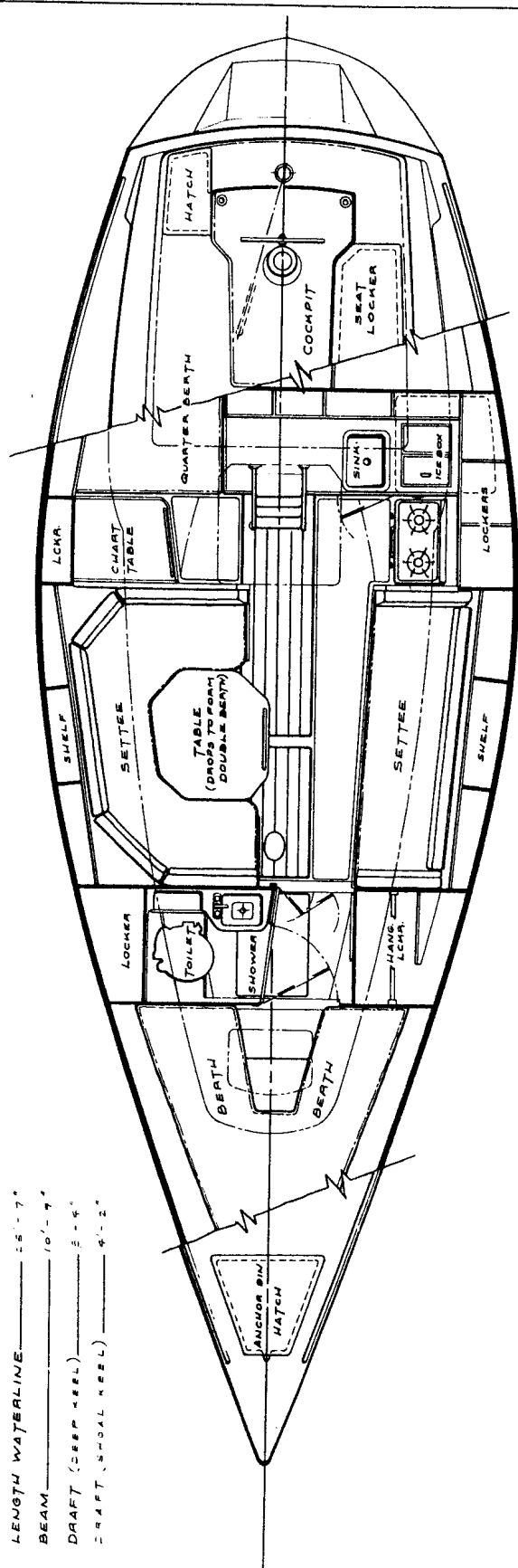
SAILPLAN DIMENSIONS

$P = 33.75'$ $J = 13.25'$
 $B = 10.25'$ $P_2 = 39.75'$



PRINCIPAL DIMENSIONS

LENGTH OVER ALL _____ 50'-1 1/2"
 LENGTH WATERLINE _____ 45'-7"
 BEAM _____ 10'-7"
 DRAFT (DEEP KEEL) _____ 5'-6"
 DRAFT (SHOAL KEEL) _____ 6'-2"



DESIGN NO. 00-31

O'DAY-31
ARRANGEMENT PLAN

SCALE: 1/8"=1'-0"

C. RAYMOND HUNT ASSOC., INC.
 69 LONG WHARF BOSTON, MA
 JCK

DEALER'S RESPONSIBILITIES

Your O'Day yacht dealer is a professional. He can provide you with the service and expertise that will help you to enjoy your O'Day. Rely on him for assistance in selecting any additional equipment you may need and in seeing that it is properly installed.

The dealer has inspected the boat upon arrival at his yard. When the boat is commissioned, he will check all the systems and equipment and correct any problems that may arise. Should there be any defects covered by the O'Day warranty, the dealer will correct them as soon as possible and file any warranty claims with Lear Siegler Marine. All warranty matters must be handled by an authorized O'Day dealer.

Should you need any parts for your O'Day product, contact your local dealer. He can obtain quick delivery from O'Day. By utilizing his assistance, you can be assured of receiving the proper parts and of proper installation as well.

Lear Siegler Marine assumes no liability for damage incurred in transit.

OWNER'S RESPONSIBILITIES

Your O'Day yacht is covered by our 1-year Limited Warranty for one year after commissioning by the original retail customer, but in no event later than two years from the date of shipment by Lear Siegler Marine. Always refer to our Limited Warranty for complete warranty information. Within 30 days of taking delivery of your boat, fill out the warranty registration card and return it to Lear Siegler Marine. The U. S. Coast Guard requires that all manufacturers keep records of people who have purchased their products. This is necessary in case a defect notification or product recall is needed. The only way Lear Siegler Marine can maintain these files is to have you send in the completed card. If you have any questions or comments, please include these with the card. We will get back to you.

When you sell your O'Day product, please drop us a note with the hull number, your name, and the name and address of the new owner.

It is important that you contact your dealer as soon as possible when product defects are noted. This will assure prompt service and prevent the problem from worsening.

Thoroughly check your ship's paper file to insure that all manuals and warranties for your optional or additional equipment are provided.

AUTHORIZED SERVICE CENTERS

ALABAMA

University Auto Sales, Inc.
 DBA University Sailing Center
 900 8th Ave South
 Birmingham 35233
 205-324-2594 (D/C)

FLORIDA

Capital Marine & Yachts
 5621 Crawfordville Road
 Tallahassee 32301
 904-877-9711 (D/C/Y)

Cottrell Marine
 450 Lake Shore Drive
 Eustis 32726
 904-357-2411 (D)

Diamond 99 Marina & Yacht Sales
 4399 N. Harbor City Blvd.
 Melbourne 32935
 305-254-1490 (D/C)

Shakespeare, Inc. DBA:
 Embree Marine Service
 201-16th Avenue South
 St. Petersburg 33701
 813-896-0671 (Y)

Frey's Marine
 9473 Alternate ALA
 Lake Park 33403
 305-845-7950 (D/C/Y)

Gulf Marine Center
 401 Miracle Strip Pkwy. SW
 Ft. Walton Beach 32548
 904-243-5514 (D/C)

KEY TO MODELS CARRIED:

D = Daysailers
 C = Cruisers
 Y = Yachts

FLORIDA

Marco River Marina
 951 Bald Eagle Drive
 Marco Island 33937
 813-394-2502 (D/C)

Pinellas Square Marine Ctr.
 7085 US 19 North
 Pinellas Park 33565
 813-522-3158 (D/C)

Sailboats South, Inc.
 1900 SE 15th Street
 Ft. Lauderdale 33316
 305-525-8144 (Y)

Seawind Sailing
 2010 San Carlos Blvd.
 Ft. Myers Beach 33931
 813-463-3197

Sun Ships, Inc.
 6501 S. Federal Hwy.
 Ft. Pierce 33450
 305-465-8990 (Y/C)

Whitney's Sailcenter, Inc.
 3027 Highway 17
 Orange Park 32073
 904-269-0027 (Y/C)

GEORGIA

Sailing Atlanta
 6002 Holiday Road
 Buford 30518
 404-945-7245 (D/C/Y)

LOUISIANA

Tim Murray Sailboats, Inc.
 699 Z-2 Bayou Liberty Road
 Slidell 70458 (Y-37/39) (D/C)

PUERTO RICO

Almirall Marine, Inc.
 Ave. Kennedy KM 3.3
 Caparra Heights 00920
 809-792-6188 (D/C/Y)

TENNESSEE

Sail Sales, Inc.
 74 North Cooper
 Memphis 38104
 901-726-1835 (C)

Sailing Unlimited, Inc.
 10706 Kingston Pike & Lowe
 Knoxville 37922
 615-966-6522 (D/C)

Sailing Unlimited, Inc.
 Donelson Pike at I-40
 Nashville 37214
 615-883-3336 (D/C)

Sale Creek Marina Multiboat
 3900 Lee Pike
 Soddy Daisy 37379
 615-332-6312 (D/C) (Y 28-

AUTHORIZED SERVICE CENTERS

ARIZONA

Sails West
1601 W. Hatcher
Phoenix 85021
602-944-0858
602-943-5405
(D/C)

Ship's Store
5042 E. Speedway
Tucson 85712
602-795-4857
(D/C)

CALIFORNIA

Charter Yacht Sales
3600 S. Harbor Blvd.
Oxnard 93030
805-985-5219
(Y-37.)

Jack Dorsee Sailboats
1880 Harbor Island Drive
San Diego 92101
619-291-6313
(C/Y)

Gorman & Thomson Ltd.
1917 Clement Avenue
at Alameda Marina
Alameda 94501
415-865-3662
415-865-3663
(Y)

Don Hatler Yachts
455 Seaport Court
Redwood City 94063
415-367-7212
(D/C/Y)

Johnston Yacht Sales
2312 Newport Blvd.
Newport Beach 92660
714-675-1393
(Y)

SL/9-17-84

CALIFORNIA

Regatta Sailboats
6400 E. Pacific Coast Hwy.
Long Beach 90803
213-598-9455
(D/Y)

COLORADO

Four Winds Sports
2104 S. Yarrow
Lakewood 80227
303-985-7022
(C/Y)

MONTANA

Lakeside Marina
Box "H"
7135 Hwy. 93S
Lakeside 59922
406-844-3344
(D/C)

NEVADA

Tahoe Ski Sports
P. O. Box 4057
Stateline 89449

SHIPPING:

1406 Industrial Way #5
Gardnerville 89410
702-782-4322
(D/C)

NEW MEXICO

Apache Camper Center DBA:
Apache Marine & Camper Center
215 Wyoming N.E.
Albuquerque 87123 (D)

OREGON

Emerald Yacht Sales
1845 West 11th Street
Eugene 97402
503-689-6202
(D/C)

OREGON

Windships, Inc.
2915 N.E. Marine Drive
Portland 97211
503-282-8080
(C/Y)

UTAH

Wasatch Sailboats
4010 Highland Drive
Salt Lake City 84117
801-278-7713
(D)

WASHINGTON

The Sail Loft
14th St. Yacht Basin
Everett 98201
206-259-3157
(D/C/Y)

Sailboats Unlimited West, Inc
2046 Westlake North
Seattle 98109
206-283-4664
(Y/C)

Spokane Valley Marine
East 11712 Montgomery Drive
Spokane 99206
509-926-9513
(D/C/Y)

KEY TO MODELS CARRIED

D = Daysailers
C = Cruisers
Y = Yachts

AUTHORIZED SERVICE CENTERS

CONNECTICUT

Ole M. Amundsen, Inc.
350 Riverside Avenue
Riverside 06870
203-637-0115 (D/C)

Bayreuther Boat Yard, Inc.
Rt. 161, Smith Cove
Niantic 06357
203-739-6264 (D/C)

Connors & O'Brien Marina
197 Mechanic Street
Pawcatuck 02891
203-599-5567 (D)

Milford Boat Works
One High Street
Milford 06460
203-877-1475 (D/C/Y)

New England Sails, Inc.
P. O. Box 151
179 So. Main Street
E. Windsor 06088
203-623-1233 (D/C)

Spicer's Sailing Yachts
Div. of Spicer's Marinas
Eldridge Yard, Marsh Road
Noank 06340
203-572-9554 (Y)

MAINE

Camper Country, Inc.
DBA: Wright Marine
25 Stetson Road
Auburn 04210
207-786-2949 (D)

Albert G. Frost Co.
U.S. Rt. 1
South Portland 04106
207-883-4341 (D/C/Y)

MASSACHUSETTS

Arey's Pond Boat Yard, Inc.
Arey's Lane
South Orleans 02662
617-255-6992
617-255-0994 (D/C)

MASSACHUSETTS

Burr Brothers Boats, Inc.
309 Front Street
Marion 02738
617-748-0911 (D)

Gauch Brothers Marina, Inc.
101 Hartford Turnpike
Shrewsbury 01546
617-799-0714 (D/C/Y)

Nantucket Shipyard, Inc.
Washington Street Ext.
Nantucket 02554
617-228-0263 (D)

Nauset Marine, Inc.
Route 6A
Orleans 02643
617-255-0777 (Y)

Old Mill Boat Yard Corp./
Old Mill Pond Associates
608 Stage Harbor Road
Chatham 02633
617-945-2579 (Y-37/39)

Peck's Boats, Inc.
3800 Route 28
Cotuit 02635
617-428-6956 (D)

F. L. Tripp & Sons, Inc.
Cherry & Webb Road
Westport Point 02791
617-636-4058 (D/C/Y)

Wells Yachts of Hingham
349 Lincoln Street
Hingham 02043
617-749-3025
617-749-3105 (C/Y)

Wells Yachts, Inc.
91 Front Street
Marblehead 01945
617-631-3003 (Y)

NEW HAMPSHIRE

Irwin Marine
Union Avenue
Lakeport 03246-6145
603-524-6661 (D/C/Y)

MacCallum's Boathouse, Inc.
Northwood Lake
Epsom 03234
603-736-4750 (D/C)

Osborne's Garage & Marina, I
Main Street
Sunapee 03782
603-763-2611 (D/C)

Wilderness Outfitters, Inc.
RFD #4, Route 101A
Milford 03055
603-673-4211 (D)

RHODE ISLAND

Interyacht, Inc.
1245 Jefferson Blvd.
Warwick, 02886
401-738-0880 (D/C)

VERMONT

Tudhope Marine Co., Inc.
U. S. Rt. 2,
No. Hero 05474
802-373-5546
802-862-3505 (D/C/Y)

KEY TO MODELS CARRIED:
D = Daysailers
C = Cruisers
Y = Yachts

AUTHORIZED SERVICE CENTERS

DELAWARE

Carlisle's
1006 Old Churchman's Rd.
Newark 19713
302-737-0100 (D/C)

DISTRICT OF COLUMBIA

The Washington Marina Co.
1300 Maine Ave. SW
Washington 20024
202-554-0220 (D/C/Y)

MARYLAND

Annapolis Yacht Sales, Inc.
319 Sixth Street
Annapolis 21403
301-267-8181 (Y)

McDaniel Yacht Basin, Inc.
P. O. Box E
15 Grandview Avenue
North East 21901
301-287-8121 (C/Y)

Sail America, Inc.
Route 50 & Ridgely Avenue
Annapolis 21401
301-266-6616 (D/C)

Sailing Etc., Inc.
5303 Coastal Highway
P. O. Box 471
Ocean City 21842
301-723-1144 (D)

WINTER ADDRESS:

Sailing Etc., Inc.
9401 Coastal Highway
Ocean Plaza Mall
Space 47
Ocean City 21842

Stansbury Yacht Basin, Inc.
1312 Shore Road
Baltimore 21220
301-686-3909 (C)

KEY TO MODELS CARRIED

D = Daysailers
C = Cruisers
Y = Yachts

SL/9-18-84

NEW JERSEY

Barnegat Bay Sailing Center
533 Atlantic City Blvd.
Beachwood 08722
201-349-1339 (D/C/28)

Heritage Marine, Inc.
P. O. Box 5264
Clinton 08809
201-638-4302 (D/C)

Long Beach Marine
236 W. 8th Street
Ship Bottom 00808
609-494-9811 (D/C)

Red Witch Sailing Yachts, Inc.
Viking's Marina, Rt. 35
Laurence Harbor 08879
201-566-7733 (C/Y)

G. Winter's Sailing Center
280 Route 73 North, RFD 3
Berlin 08009
609-461-3291 (D/C/Y)

G. Winter's Sailing Center
Reserve Avenue
Riverside 08075
609-461-3291 (D/C/Y)

Wotton Sailing Center, Inc.
7 Franklin Avenue
Montvale 07645
201-391-9255 (D/C/Y)

NORTH CAROLINA

Anchorage Marine
Route 1, Box 30A
Davidson 28036
704-892-8061 (D/C)

Jim Brown Yacht Sales, Inc.
Highway 70 West
Morehead City 28557
919-247-3002 (D/C)

Carolina Yacht Sales of
Wrightsville Beach, Inc.
1322 Airlie Road
Wrightsville Beach 28480
919-256-9901 (Y 28-34)

NORTH CAROLINA

Elizabeth City Shipyard
722 Riverside Avenue
Elizabeth City 27909
919-335-0829 (D/Y)

LeJeune Motor Co.
1009 LeJeune Blvd.
Jacksonville 28540
919-455-1551 (D/C)

Pamlico Marine Co.
223 E. Water Street
Washington 27889
919-946-5011 (D/C/Y)

Triton's Cove
P. O. Box 25759
404 Downtown Blvd.
Raleigh 27611
919-828-9847 (C)

SOUTH CAROLINA

Valk Sailboats
3634 Fernandina Road
Columbia 29002
803-798-0550 (D/C)

Wild Dunes Yacht Harbor, In
P. O. Box 404
End of 41st Avenue
Isle of Palms 29451
803-886-5100 (D/C/Y)

VIRGINIA

Bluewater Yacht Sales, Inc.
529 Bridge Street
Hampton 23669
804-723-0793 (D/C/Y)

Chesapeake Boat Basin, Inc.
Waverly Avenue
Kilmarnock 22482
804-435-3110 (D/C)

AUTHORIZED SERVICE CENTERS

IOWA

Des Moines Boating Center
2100 Delaware Avenue
Ankeny 50021
515-964-4289 (D/C)

Hanson Marine, Inc.
Clear Lake 50428
515-357-5293 (D/C)

Harpers Marine
1895 Elis Boulevard N.W.
Cedar Rapids 52401
319-366-7136 (D/C)

KANSAS

American Inland Yacht Sales
1201 East Central
Wichita 67214
316-267-9271 (D/C/Y)

MISSOURI

The Boat Place
Highway 60 East
Poplar Bluff 63901
314-785-1122 (D)

Eddy Creek St. Louis Sailing Ctr.
3070 North Third Street
St. Charles 63301
314-947-3161 (D/C/Y)

Skipper G. Sailboats
617 No. Jefferson
Springfield 65806
417-866-5431 (D/C)

Wheeler Marine, Inc.
1924 Burlington
N. Kansas City 64116
816-221-0254 (D/C/Y 28-34)

KEY TO MODELS CARRIED

D = Daysailers
C = Cruisers
Y = Yachts

NEBRASKA

Misko Sports
1522 "L" Street
Ord 68862
308-728-5261 (D/C)

Sail Barn
8035 Irvington Road
Omaha 68122
402-571-1915 (D/C)

Super Sport Marine
15 E. 24th Street
Kearney 68847
308-234-3314 (D/C)

NORTH DAKOTA

No. Dakota Anchorage Marine
Box 711
Fort Stevenson Marina
Garrison 58540
701-337-2275 (C/Y)

OKLAHOMA

Port Carlos, Inc.
P. O. Box 780
Ketchum 74349
918-782-3201 (Y)

TEXAS

Boats For Sail
2212 Primrose #E
McAllen 78501
512-682-6112 (C/Y 28-34)

Ft. Worth Sail & Marine
8200 I-30 West
Ft. Worth 76108
817-246-6677 (D/C/Y)

Gulf Coast Sailboats, Inc.
P. O. Box 369
Watergate Yachting Center
1500 FM 2094
Kemah 77565
713-334-0585 (D/C/Y)

TEXAS

Marina Yacht Sales
One Commodore Plaza
Rockwall 75087
214-226-1901 (D/C/Y)

The Sailboat Shop, Inc.
604 Highland Mall Blvd.
Austin 78752
512-454-7171 (D/C/Y)

The Sailboat Shop, Inc.
11300 IH 35 North
San Antonio 78233
512-657-2222 (D/C/Y)

AUTHORIZED SERVICE CENTERS

KENTUCKY

Eddy Creek Resort & Marina, Inc.
Route #1, Box 327
Eddyville 42038
502-388-2271
502-388-2442 (D/C/Y)

ILLINOIS

Sailboats, Inc.
500 S. Route 12
Fox Lake 60020
312-587-2916 (D)

Sailing Specialists
427 Ogden Avenue
Clarendon Hills 60514
312-920-1919 (D/C/Y)

INDIANA

Culver Marina, Inc.
3000 E. Shore Drive
Culver 46511
219-842-2269 (D/C)

King Marine
5049 Robison Road
Indianapolis 46265
317-872-7845 (D/C)

That Sailboat Place
U.S. 31 North
225 Dixie Way North
South Bend 46637
219-232-9801 (D/C)

That Sailboat Place
R.R. 4
Syracuse 46567
219-457-4350 (D/C)

MINNESOTA

Hi Tempo, Inc.
3959 Highway 61
White Bear Lake 55110
612-429-3333 (D)

Martin's Sports Afloat
Box 540 Lakefront
Nisswa 56486
218-963-2292 (D/C)

Mesabi Sailboats
202 Fourth Avenue
Virginia 55792
218-749-6719 (D/C)

Sailors World
Box 176
Paul's Landing
Crystal Bay 55323
612-473-7525
612-473-2651 (D/C/Y)

Thomas Marine, Inc.
P. O. Box 367
Hwy. 55 & Division St.
Maple Lake 55358
612-963-3025 (D)

Thomas Marine, Inc. (North)
985 Highway 10
St. Cloud 56301
612-252-3035 (D)

WISCONSIN

Fox River Marina, Inc.
501 S. Main Street
P. O. Box 2325
Oshkosh 54903
414-235-2340 (D/C/Y)

Pugh's Marina
1001 Michigan Blvd.
Racine 53402
414-632-8515 (C/Y)

WISCONSIN

Russell Marina, Inc.
5442 County Hwy. M
Madison 53718
608-249-7633 (D/C)

The Sailing Center of Mequon
10406 N. Cedarburg Road
Mequon 53092
414-242-5665 (D/C)

Al Zeller & Sons
1310 S. Monroe Avenue
Green Bay 54301
414-435-9562 (D)

KEY TO MODELS CARRIED:

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C = Cruisers
Y = Yachts

AUTHORIZED SERVICE CENTERS

MICHIGAN

Cruise Out, Inc.
63 East Walton Blvd.
Pontiac 48055
313-338-4521 (D/C/Y)

Long Lake Marina
9752 North Long Lake Road
Traverse City 49684
616-946-4257 (D/C)

Oselk's Snug Harbor Marina Inc.
514 W. Water Street
New Buffalo 49117
616-469-2600 (C/Y)

Port Sanilac Marina
7365 Cedar Street
Port Sanilac 48469
313-622-9651 (Y 28-34)

Sailaway on Lake Lansing
P. O. Box 162
5950 Shaw
Haslett 48840
517-339-2073 (D)

KEY TO MODELS CARRIED:

D = Daysailers
C = Cruisers
Y = Yachts

MICHIGAN

Sails Up Marine
321 Lake Street South
Marquette 49855
906-228-7777 (D/C)

Toledo Beach Marina
11840 Toledo Beach
LaSalle 48145
313-243-3800 (D/C/Y)

Tower Marine
216 St. Peters Drive
Douglas 49406
616-857-2151 (C/Y)

OHIO

The Boat House
5655 Dixie Hwy.
W. Carrollton 45449
513-859-3649 (D/C)

Marine City
7401 E. Harbor Road
Marblehead 43440
419-734-3965 (D/C)

One Design Yachts
8398 Sunbury Road
Westerville 43081
614-882-5955 (D/C)

Sail & Power Marina
Rt. 542
Dellroy 44620
216-735-2323
216-364-4703 (D/C)

OHIO

Sima Marine Sales, Inc.
16501 Broadway
Maple Heights 44137
216-663-7900 (D/C)

Strictly Sail, Inc.
10766 Kerwood Road
Cincinnati 45242
513-984-1907 (D/C)

AUTHORIZED SERVICE CENTERS

PENNSYLVANIA

Bethlehem Motorboat Sales
Rt. 378 South, RD 3
Saucon Valley
Bethlehem 18015
215-691-2628 (D/C)

Clews & Strawbridge, Inc.
310 Lancaster Pike
Frazer 19355
215-644-3529 (D/C)

Conestoga Marine, Inc.
1361 Manheim Pike
Lancaster 17601
717-394-9861 (D/C)

Reading Sailing Center
1036 N. 13th Street
Reading 19604
215-372-7871 (D/C)

Tanglwood Marina
C/O Taglewood Lakes, Inc.
RD #2, Box 302
Greentown 18426
717-857-0220 (D/C)

Thayer's Boat House
1813 W. State Street
New Castle 16101
412-652-6565 (D/C/Y)

Woolbert's
W. Vaughn & Railroad
Kingston 18704
717-287-9671 (D)

KEY TO MODELS CARRIED:
D = Daysailers
C = Cruisers
Y = Yachts

NEW YORK

Aldrich Boat Yard, Inc.
Weesuck Avenue
E. Quogue 11942
516-653-5300 (D/C)

Bellpat Marine Corp.
1260 Montauk Hwy.
E. Patchogue 11772
516-286-8368 (D/C)

Coneys Marine Corp.
32 New York Avenue
Huntington 11743
516-421-3366 (D/C/Y)

East Shore Marine
of Canandaigua
451 East Lake Road
Rushville 14544
716-394-2667 (D/C)

Northway Marine
Clifton Park Center Road
Clifton Park 12065
518-371-1252 (D/C)

Port Jefferson Marine
125 W. Broadway
Port Jefferson 11777
516-473-1030 (D/C)

Rowe Boats International
Morrisonville Road
Plattsburg 12901
518-563-4100 (D/C)

Sacandaga Marine, Inc.
School St., Rt. 30 at the Dome
Mayfield 12117
518-371-1252
518-882-1005 (D/C)

NEW YORK

Smith Boys, Inc.
278 River Road
N. Tonawanda 14120
716-693-8484
716-695-3472 (C/Y)

Strong's Mattituck Marina
Camp Mineola Road
Mattituck 11952
516-298-4770 (D/C)

Syracuse Yacht Sales, Inc.
6901 E. Genesee
Lyndon Corners
Fayetteville 13066
315-446-2731 (D/C/Y)

Yacht Service Ltd.
144 Ocean Avenue
Amityville 11701
516-264-2267 (D/C)

Yankee Yacht Sales, Inc.
Diamond Point
Lake George 12824
518-783-0443 (D/C/Y)

Yankee Yacht Shop
3410 State Street
Schenectady 12304
518-377-2676 (D/C/Y)

AUTHORIZED SERVICE CENTERS

BAHAMAS

Island Marine
Hope Town Abaco
(D)

BERMUDA

Pitts Bay Boat Co., Inc.
P. O. Box 762
Hamilton 5
809-295-5247 (D)

CANADA

Water Holidays, Ltd.
10 St. Andrew St.
P. O. Box 1628
Brockville, Ontario, K6V 6E6
613-342-0055 (D/C)

CHILE

Raul Paiva
Martin de Zamora 3964
Santiago
(Y)

GREECE

Privar Yachting Associates
Gounari 2
Piraeus
411-3262
714-515 (D/C/Y)

U.S. Office

Privar Yachting Associates
909 17th Street, Suite 718
Denver, CO 80202
303-296-1700 (D/C/Y)

KEY TO MODELS CARRIED:

D = Daysailers
C = Cruisers
Y = Yachts

PUERTO RICO

Almirall Marine, Inc.
Ave. Kennedy KM 3.3
Caparra Heights 00920
809-792-6188 (D/C/Y)

SWITZERLAND

Bangor Punta Overseas S.A.
5 Rue Saint-Ours
1205 Geneva
022-29-98-11 (D/C/Y)

TURKEY DEALER

Alcor Yachting S.A.
4 CH. De LA TOUR-DE-CHAMPEL
1206 Geneva
Switzerland
(D/C/Y)

VIRGIN ISLANDS

Marine Specialty Services
Estate Pelican Rock
Cotton Valley Shores
Star Route 00864
Christiansted, St. Croix
U.S.V.I. 00820
809-773-4042 (D/C/Y)

WEST INDIES

Richard A. Brandon
7 Queensway
Kingston 10, Jamaica
809-926-3150 (Y)

COMMISSIONING

COMMISSIONING

Your O'Day yacht dealer will supervise the commissioning and testing of your new boat. His knowledge and experience will insure that all systems and components will function properly when the boat is delivered to you.

We have included some guidelines and instructions in this section to aid you and your dealer.

PRE-LAUNCH CHECK LIST

1. All seacocks operational, closed, and tightened. _____
2. Accessory thru-hull installed and tightened. _____
3. Diesel: Propeller in place; 2 nuts and cotter pin installed. _____
4. Sacrificial Zinc installed on shaft. _____
5. Batteries secure, filled, and charged. _____
6. Rigging installed on spar; cotter pins spread and taped. _____
7. Masthead sheaves free to rotate; lubricated. _____
8. Mast lights working. _____
9. All required safety equipment on board. _____

NOTE: THIS IS A BASIC PRE-LAUNCH CHECK LIST.

POST-LAUNCH CHECK LIST

1. All seacocks open and water tight. _____
2. Shaft aligned to .003" tolerance. (See Alignment Section under Engine Operation Instructions.) _____
3. Engine shaft packing nut tightened. (See Stuffing Box under Engine Operation Instructions.) _____
4. Engine oil levels checked. (Refer to Engine Manual.) _____
5. Fuel tank filled and system checked for leaks. _____
6. Engine operates and passes water thru exhaust. _____
7. Engine controls operate correctly and checked for tight nuts, bolts, and spread cotter pins. _____
8. Table installed prior to mast being stepped. _____
9. Mast stepped and mast collar installed.* _____
10. Turnbuckles attached; cotter pins spread and taped. _____
11. Boom and running rigging installed. _____
12. Water tank filled. (See Note No. 2 on Optional Water Heater.) _____
13. Faucets work and lines checked for leaks. _____
14. Stove fuel tank filled; system checked for leaks. (Refer to Propane Stove Instructions, if applicable.) _____
15. Electrical equipment operational. (See Note No. 1 for Shore Power System.) _____
16. Steering gear operational. _____
17. Rudder shaft greased. _____
18. Bilge pump operational. _____
19. Toilets operational; hoses secure. _____
20. Deck hardware checked for leaks. _____
21. Warranty and manuals delivered to owner. _____
22. Check all lifeline turnbuckles, pelican hooks, and end fittings for tightness. _____

*Mast ground wire connected.

COMMISSIONING NOTES

Note No. 1

If your O'Day yacht is supplied with a 110V AC shore-power system, it will have a control panel with a main breaker (30 amp) and separate (15 amp) breaker switches for the outlets and water heater. In addition, there are both audible (buzzer) and visual (yellow light on panel) reverse polarity indicators. With all switches off, attach the power cable to the power inlet on the boat. Next, connect the power cable to the dockside outlet. WARNING: IF THE POLARITY INDICATORS LIGHT AND/OR SOUND, DISCONNECT THE CORD IMMEDIATELY. THIS INDICATES A REVERSE POLARITY SITUATION WHICH IS DANGEROUS. SEVERE INJURY OR DEATH MAY RESULT. DIAGNOSE AND CORRECT THE PROBLEM BEFORE PROCEEDING.

It is recommended that any appliances used on board be wired with three-wire grounded plug. If you intend to use any ungrounded appliances, have a ground fault interrupter installed in the electrical system to protect you from accidental shock.

Note No. 2

If your O'Day yacht is equipped with the optional water heater, it will be installed to operate off both the engine cooling system and the 110V AC electric system. Before switching the 110V system on, be sure the hot-water tank is filled. Open the valve in the inlet-water line, and be sure the check valve is installed with the arrow pointed toward the water heater. Operate the pressure-water system until you get a steady stream through the hot-water faucets.

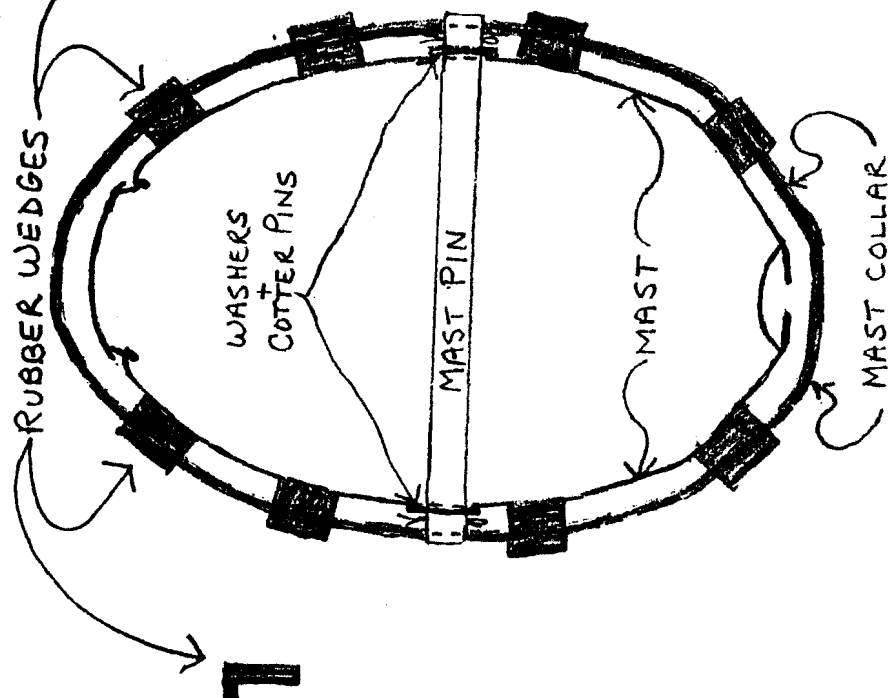
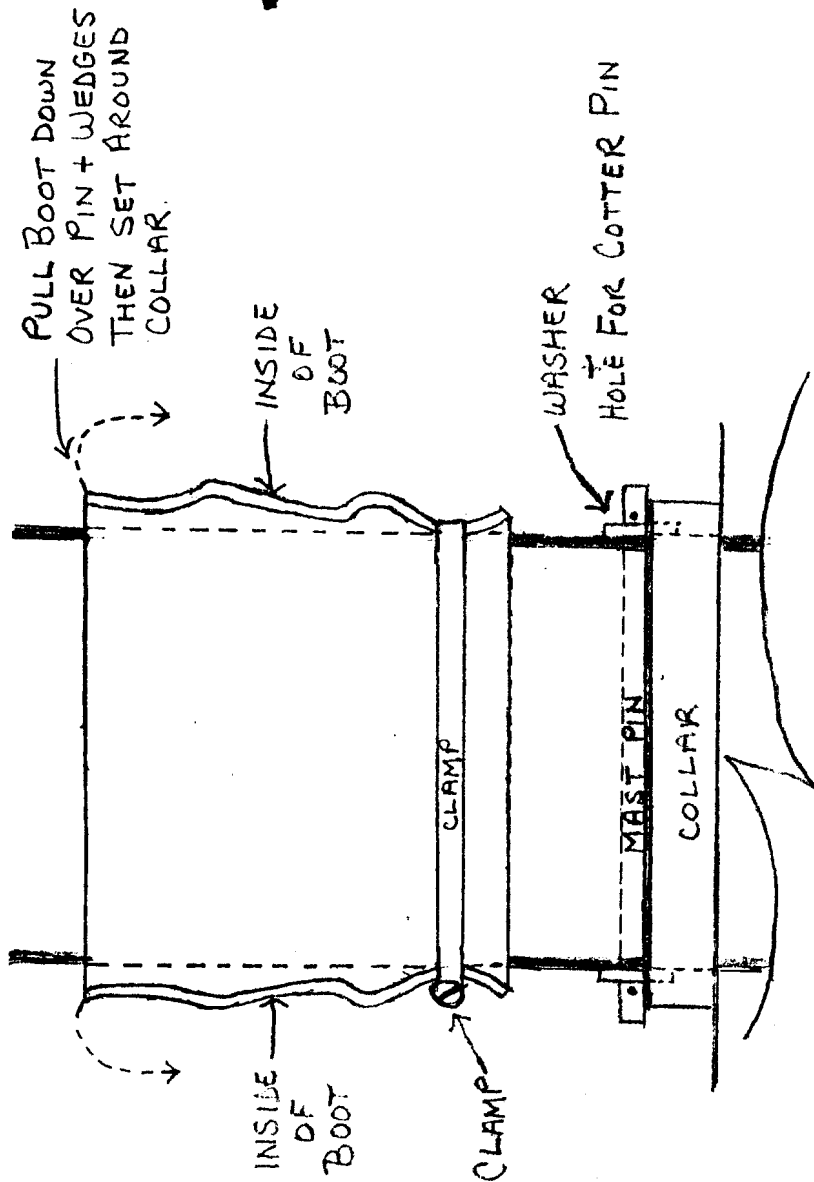
WARNING: FAILURE TO FILL THE WATER HEATER BEFORE SWITCHING ON THE 110V CIRCUIT WILL RESULT IN DAMAGE TO THE HEATING ELEMENT.

LIFELINES and STANCHIONS

Your lifelines and stanchions contribute to the safety of your boat. Care should be taken to be sure all pins and fittings are secure and that any cotter rings are taped, so that they do not snag sails or other equipment. A monthly check of the turn-buckles, pelican hooks, and connector loops should be made to assure that there is adequate thread on the screw fittings.

If your stanchions have two screws in the base, which hold the stanchion tube to the base, the screws should be checked once a month for tightness.

9/24/84



MAST BOOT, WEDGE, & PIN INSTRUCTIONS

- 1) BEFORE STEPPING MAST, SLIP MAST BOOT INSIDE OUT OVER THE MAST AND UP TO GOOSE-NECK. (SMOOTH FINISH TOWARD MAST)
- 2) AFTER STEPPING MAST AND BEFORE FINAL TUNING OF THE SHROUDS, INSTALL RUBBER WEDGES BETWEEN THE COLLAR AND MAST.
- 3) AFTER FINAL TUNING, AND A SHORT SAIL IN LIGHT TO MODERATE WINDS, DRILL A 1/2" HOLE THROUGH THE MAST, JUST ABOVE THE COLLAR. INSTALL THE 1/2" PIN THROUGH THE SPAR AND FIX IN POSITION WITH WASHERS AND COTTER PINS. THIS PIN WILL HOLD THE DECK FROM FLEXING. IT IS IMPORTANT THAT IT BE INSTALLED! THE PIN SHOULD BE JUST FORWARD (APPROX. 1/2") OF THE EXTRUDED NICHE IN THE SIDE OF THE MAST.
- 4) THE RUBBER BOOT SHOULD BE CLAMPED AROUND THE MAST ABOVE THE COLLAR, THEN PULLED DOWN OVER THE CLAMP, WEDGES, MAST PIN, AND SET OVER THE COLLAR.

STEPPING AND TUNING THE MAST

Before stepping the mast, be sure all running and standing rigging is properly installed, cotter pins are spread, and halyard sheaves are free to rotate. The upper shroud is run through the slot in the outboard end of the spreader. After the shroud is in place, tape over the end of the spreader to protect the sails. Check the spar lights to be sure they are operational. Open all turnbuckles to their full extension.

Refer to separate sheets for mast wedge and pin instructions.

Step the spar through the deck and table (if applicable), and then onto the mast step. Be careful not to pinch the mast wires during the stepping. The mast step was set at the factory to provide an aft rake. If you wish to adjust this, loosen the mast-step bolts and slide the step fore or aft.

The mast-ground wire should be attached to the mast at this time.

Attach all the shrouds, tighten the headstay, backstay, and upper shrouds to a taut condition. Refer to the mast wedge and pin drawings to install the rubber wedges, mast pin, and boot. Installation of the pin is essential to prevent the deck from lifting, when full rigging forces are applied. Do not sail until this pin is properly installed. For now, leave the lower shrouds slack. Adjust the headstay and backstay to achieve a straight spar, when sighting up the trailing edge. The mast rake has been set at the factory. However, it should be checked at commissioning. To check the rake, attach a weight to the main halyard and allow it to hang freely. Measuring from the trailing edge of the mast, the

STEPPING AND TUNING THE MAST - Continued

halyard should hang approximately (O'Day 39 - 11"; O'Day 37 - 12"; O'Day 35 - 8"; O'Day 31 - 9"; O'Day 28 - 7") aft of the mast.

Minor adjustment can be made with the head and backstay. If the rake needs to be changed by several inches, loosen the bolts holding the mast step and move the step forward to increase rake or aft to reduce rake. Next, with the boat level athwartships, tighten the upper shrouds to get the mast straight. Finally, tighten the lowers no more than hand tight.

Final tuning must be accomplished while sailing. In a light breeze (6 - 8 knots), adjust the shrouds to achieve a straight spar on either tack. In heavier winds, any curvature should be gradual and constant from the deck to the mast head.

The rig will need adjustment after a few sails to compensate for the stretch in the wire. Be sure to install cotter pins in all turnbuckles and clevis pins, and tape over them to prevent injury to crew or damage to sails.

Fine tuning for the best performance will depend upon your local conditions and your sails. Consult your dealer or local sail-maker for their suggestions.

DANGER: WHEN YOU ARE HAULING, LAUNCHING, AND SAILING NEAR LOW OVERHEAD WIRES, YOU MUST BE VERY CAREFUL THAT THE MAST DOES NOT TOUCH THE WIRES. THE MAST COULD CONDUCT HIGH VOLTAGE ELECTRICITY TO THE PEOPLE ON BOARD AND CAUSE SEVERE BURNS OR DEATH. THE BOAT'S LIGHTING GROUND SYSTEM WILL NOT PROTECT YOU FROM THE HIGH VOLTAGE POWER FROM POWER LINES.

CHAINPLATE RODS

O'Day 28, 31, 35, 39

The chainplate rod system used on the shrouds of your boat is designed to carry rigging loads to the structural floor pan. IT IS IMPORTANT THAT THE INSTALLATION BE CHECKED FOR PROPER ROD TENSION. The system is designed to carry rigging loads to the pan, rather than the deck.

After the boat is launched and the spars installed, but before the rigging is tightened, the rods should be taut. Pulling on the rod, at mid-height from pan to deck, you should notice a very slight deflection. If the rod is loose, it should be tightened. After final rigging and a few early sailings, recheck the rod tension. If the deck is deflecting at the chainplates, the rod needs further adjustment.

To tighten the rod, remove the cap on the pan at the base of the rod and get a wrench on the nut. Above the pan is a flat spot on the rod. Use another wrench or locking pliers to turn the rod. DO NOT OVERTIGHTEN. If the rods are too tight, with the rigging slack, the deck could be pulled down, creating a depression on deck and damage to the gelcoat surface.

The U-bolt, to which the turnbuckle attaches, is bolted through the deck to an aluminum plate that holds the top of the rod. Annually, the U-bolt should be disassembled and rebedded. When reinstalling, tighten the U-bolt nuts to a snug condition. Again, do not overtighten, or you will damage the deck finish. After reinstalling the U-bolt, be sure to check the chainplate rod tension.

RIGGING DIMENSIONS

The following table shows the critical dimensions and materials used for the standing and running rigging on your O'Day yacht. In the event you should need to replace any of the rigging, you can order the materials through your O'Day dealer. If this is not convenient, this table will allow you or a local rigger to obtain the proper materials. We would strongly recommend actually measuring any standing rigging before replacing, to assure 100% accuracy.

The halyards on your O'Day yacht are low stretch, Yacht Braid. This material was chosen for its handling ease and durability. Because of the way it is manufactured, it does not stretch as much as normal rope.

All running rigging should be checked periodically for chafe or damage, and replaced when necessary. If excessive wear is noted on running rigging, check all blocks and sheaves to be sure they are free to rotate and are properly aligned.

All standing rigging should be inspected for cracks in the swages, proper installation of cotter pins and wear on clevis pins. Replace any damaged or suspect rigging.

As you may have noticed, on some sailboats, the swaged ends of the shrouds will ooze rust and in severe cases the swage will split. One way to prevent this problem is to heat up the swaged section and place a bar of beeswax against the 1 x 19 stainless steel wire. As it melts, the beeswax will run into the swaged section, sealing it from the elements.

RUNNING RIGGING SPECIFICATIONS

O'DAY 31

Title	Size	Type	Length	A End	B End	Extra Info
Main Halyard	3/8	XLS	76'	580R Spliced in	Whip	
Jib Halyard	3/8	XLS	80'	721-2 Spliced in	Whip	
Main Sheet	7/16	XLS	45'	Eye Splice	Whip	
Genoa Sheet	7/16	XLS	50'	Whip	Whip	2 per boat
Reef	3/8	XLS	21' ⁽¹⁾	Burn	Burn	
Reef	3/8	XLS	29'	Burn	Burn	
Topping Lift	1/4	XLS	78'	Eye Splice	Whip	

① 21' - 22' - 23' - 24' - 25' - 26' - 27' - 28' - 29' - 30' - 31'

STANDING RIGGING SPECIFICATIONS

O'DAY 31

Title	Qty.	Size/Const.	PCL*	A End	B End	Extra Info
Headstay	1	1/4 1 x 19	41' 1 1/2"	Stemball & 1" cup	7854-8-12-12	
Backstay	1	1/4 1 x 19	35' 5 1/2"	Stemball & 1" cup	7854-8-12-12	SK4558 on B end not in PCL
Backstay Tails	2	3/16 1 x 19	7' 2 1/4"	AN667-6	7854-6-12-12	
Cap Shroud	2	1/4 1 x 19	40' 0 1/2"	Stemball & 1" cup	7884-8-12-12	
Lower Shroud (FWD)	2	1/4 1 x 19	21' 0"	Stemball & 1" & 2" cup	7884-8-12-12	
Lower Shroud (AFT)	2	1/4 1 x 19	21' 3 3/8"	Stemball & 1" & 2" cup	7884-8-12-12	

*PCL: Pin Center Length: From bearing of ball & cup(s) to: Pin in turnbuckle with standard toggle or Center of upset toggle "U".

All PCL with turnbuckles 2/3 open.

I S O M A T

O'DAY BOOM RIGGING INSTRUCTIONS

The Isomat booms supplied with the O'Day Yachts are set up for internal reef and outhaul. On the O'Day 35, 37, and 39, the boom topping lift consists of a wire pendant with a rope tail, adjustable at the boom. For the O'Day 28 and 31, there is a low-stretch rope topping lift led to the masthead and down to a cleat on the side of the mast, just above the winches.

To rig the reef, use the messengers in the boom and pull the reef line (in the rigging kit) through to the stoppers on the forward end of the boom. Near the outboard boom end, on the bottom of the boom are bails for attaching the reef after it is run through the sail. Should you want to adjust the position of the bails, drill out the rivets, slide the bail to the desired location and re-fasten with rivets or stainless steel sheet metal screws. A section of small line is supplied to be cut and tied into the reef points.

On the O'Day 28 and 31, attach the spliced end of the topping lift to the outboard boom end casting by means of the shackle provided in the rigging kit. Run it over the rollers on the aft end of the mast and pull through the exit slot by means of the messenger.

On the O'Day 35, 37, and 39, attach the wire portion to masthead by means of a shackle. Attach the spliced end of the rope to the boom end casting and run the line through the bullet block on the lower end of the wire pendant and through the boom on the inside sheave next to the outhaul. Then run the reef rig through the outboard sheaves. You will notice the stoppers on the forward end of the boom are color coded for quick identification of outhaul, topping lift, or either reef.

BOTTOM COATINGS

Since the beginning of the fiberglass boat building industry to the present day, all manufacturers have been plagued with the problem of occasional blistering on underwater surfaces. These blisters are caused by osmotic pressure of a solvent (water), which can pass through a membrane (the gelcoat) to reach a salt (a material which will dissolve in the solvent). This can occur at any time through any gelcoat finish. Much has been written in the past few years in trade journals, chemical journals, and in the general literature discussing this problem and suggesting possible solutions. Thus far, there has been no universally accepted reason as to why this occurs in some boats and not others, nor is there a totally accepted preventive cure or fix once blisters occur.

Although gelcoat surfaces are not covered under Lear Siegler Marine's Limited 1-Year Warranty, we feel that as a manufacturer we would like to assist our customers in finding a solution to this problem. The best available information seems to indicate that coating the boat's underwater surfaces with an impermeable epoxy coating will assist in the prevention of gelcoat blisters. This epoxy should be a type that is recommended by the manufacturer for underwater use, and should be done when the boat is new, if at all possible. A boat that has been in the water may also benefit from having this epoxy put on, but it is best to be done before the boat is first launched. One product that we know of is 404/414 Epoxy by International Paint Company.

BOTTOM COATINGS - Continued

Please note we mention this product only as a help. We do not specifically endorse this product, and recommend that you contact local representatives and make your own decision as to what product to use.

Finally, Lear Siegler Marine uses the finest available materials and the best available technique in the manufacture of their product.

Gelcoat blistering is a recognized fact of life in the marine fiberglass industry, the chances of which may be reduced by the use of an impermeable barrier coat on the bottom during the initial commissioning.

BOAT STORAGE

Whenever a boat is pulled from the water, for work or storage, care must be taken to provide adequate and proper support of the hull. This is especially true of fin-keel sailboats.

It is not recommended that the weight of the boat be rested solely on the keel. Because of the small area of the keel bottom, the localized loads on the hull in the area of the keel would be severe and could result in permanent damage to the shape or structure of the boat.

If poppets are used for support, they should be located so that the pads are under bulkheads, berth fronts or pan stringers, so that the load is dispersed (see Docking Plan). Failure to properly position the poppets could result in hull depression. Be sure to use an adequate number of supports, and locate them to prevent the boat from tipping fore or aft. A storage cradle designed for this boat is available through your O'Day dealer.

When hauling any boats with a propeller shaft, be sure to disconnect the coupling before lifting the boat. This will prevent bending of the shaft as the boat changes shape when lifted.

Do not careen (lean the boat over on its side) a fin-keel sailboat. The hull, keel, and rudder should survive any accidental groundings. However, care must be taken to keep the boat as balanced and upright as possible to prevent excessive loads.

DANGER: WHEN YOU ARE HAULING, LAUNCHING, AND SAILING NEAR LOW OVERHEAD WIRES, YOU MUST BE VERY CAREFUL THAT THE MAST NOT TOUCH THE WIRES. THE MAST COULD CONDUCT HIGH VOLTAGE ELECTRICITY TO THE PEOPLE ON BOARD AND CAUSE SEVERE BURNS OR DEATH. THE BOAT'S LIGHTNING GROUND SYSTEM WILL NOT PROTECT YOU FROM THE HIGH VOLTAGE POWER FROM POWER LINES.