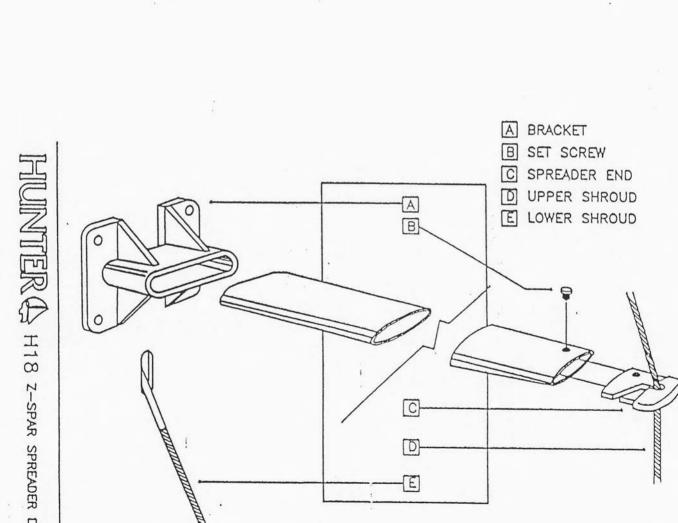


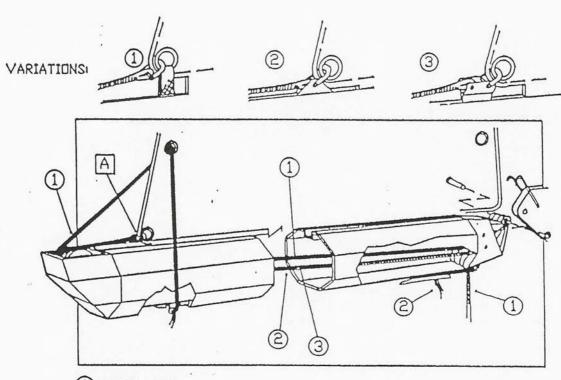


SINGLE SPREADER FRACTIONAL RIG W/ SWEPT BACK SPREADERS
GEN2600A

TO STEMHEND FITTING.

ARDUND WRAPS BOTTOM OF MAST AND MAIN HALYARDI EXITS FROM ARDUND VINCH. AND WRAPS CLOCKWISE JIB HALYARDI EXITS MAST WINCH CLEAT AND CAM REEF MAIN HALYARD RIF COUNTER-CLOCKWISE MAST. HALYARD OFF AT GE GDDSENECK ND DUTHAUL MAST DETAIL FROM 0 LIX3 GEN2618A 밒 MA: W

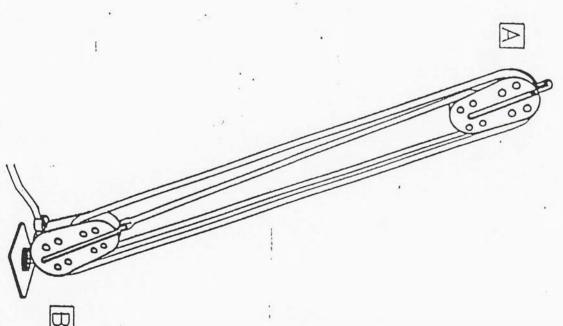




- 1 REEF LINE
- 2 DUTHAUL
- 3 TRANSITION FROM OH WIRE OH LINE

A D SHACKLE

B A FIDDLE W/ FIDDLE SCHAEFER #SK6230 (MOUNTED BLOCK SCHAEFER BECKET & CAM CLEAT ON DECK) #303-43



HUNTER A H18 MAINSHEET DETAIL

STANDING RIGGING

1 FORESTAY 1/8" 1x19 22'8"

2 UPPERS 1/8" 1x19 21'8 1/2"

2 LOWERS 1/8" 1x19 10'6 5/8"

RUNNING RIGGING

1 MAIN HALYARD 3/8" 53'

1 JIB HALYARD 3/8" 46"

1 MAIN SHEET 3/8" 45'

1 JIB SHEET 3/8" 25'

1 REEF LINE 5/16" 20'

1 TOPPING LIFT 1/4" 34'

LIMITED WARRANTY HUNTER MARINE

service (12) months from the date of sale any part manufactured by Hunter to be free of defects caused by faulty workmanship or materials under normal use and Hunter Marine warrants to the first-use purchaser for a period of twelve

Marine representative. repairs and replacements must be approved in advance by an authorized Hunter able, on a reasonable number of hours as determined by Hunter Marine. All labor allowance schedule established by Hunter Marine and, where not applicof the first-use purchaser. The labor cost reimbursement will be based on a authorized Hunter Marine dealer. Transportation costs are the responsibility by Hunter Marine free of charge at its plant or at the option of Hunter, by an During this period Hunter Marine will replace any part judged to be defective

The warranty does not cover:

Paint, window glass, gel coat, upholstery damage, plastic finishes, engines. manufactured by Hunter Marine. engine parts, propellers, shafts, controls, instruments and equipment not

Boats or parts which have been altered or subjected to negligence or misuse

Commercially used boats.

so that the above limitation may not apply to you. Some states do not allow limitations on how long an implied warranty lasts. merchantability and fitness are limited to the duration of this limited warranty. expressed warranties. Any implied warranties, including the warranties of This warranty is expressly in lieu of any and all other remedies and

tial damages, so the above limitation exclusion may apply to you. Some states do not allow the exclusion or limitation of incidental or consequenrepair or replacement of any part or party judged defective by Hunter Marine. Any consequential damages which may be incurred are excluded and the liability of Hunter Marine and the purchaser's remedy shall be limited to

The purchaser acknowledges that no other representations were made to

him with respect to the quality and function of the boat.

which vary from state to state. This warranty gives you specific legal rights and you may have other rights

Marine within_ten (10) days after the date of sale to the first-use purchaser. card and pre-delivery service record are completed and returned to Hunter This warranty shall not be effective unless the Hunter Marine warranty

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PRE-DEPARTURE CHECK-LIST
Check bilge for excess water
Check weather conditions and tides.
Check food supply.
Foul weather gear.
☐ Linen, sleeping bags.
Fuel
☐ Water.
Sunscreens and sunglasses.
Tools.
☐ Docking and anchor gear.
Check radio operations.
Navigation charts and instruments.
loat plans to a friend or Coast Guard. (See next page)
Fuel for stove.
Cooking and eating utensils.
☐ Check battery water level.
☐ Oil level, tight V-belts.
Check for loose electrical connections in engine room.
J Secure tools or any loose equipment in engine room so as not to get foul engine.
AC systems off; electrical cord stowed.
Doors and drawers secured.
Check steering lock to lock.
Check mast for rigging irregularities and tightness.

No lines or other obstructions near the propeller or bow. Halyards and sheets are clear and ready to run.

Anchor ready to run.

Turn on fuel and water lines. Check lifelines for tightness.

ow all loose gear.

Open engine cooling water in take thru-hull valve.

>	LOA	FLOAT PLAN	Z	
Name of person reporting and telephone number:	ing and teld	ephone nur	mber:	
Description of boat:				
NAME			34/1	
MAKE	LENGTH	REGI	REGISTRATION .	
HULL COLOR	STRUPE COLOR	ØR.	DECK COUR	OR.
OTHER DISTINGUISHING MARKS				
Persons aboard:		NUMBER		
NAME		AGE	PHONE •	
ADORESS				
NAME		AGE	PHONE *	\$* **
NAME		AGE	PHONE *	
ADDRESS Engine:				
Safety equipment:	PFDs	H.P.	Mirror	□ Fla
	Food	Water	EPIRB	Raf
Radio: TYPE		FREQ	FREQUENCIES	
Trip expectations:				
DEPARTING AT (APPROX TIME)	ON (DATE)	FROM	FROM (LOCATION)	
COING TO (LOCATION)	RETURNING (DATE)		IN NO EVENT LATER THAN (TIME & D	N (TIME & D
Automobile:	LICENSE *			STATE
MAKE	OUOR	PARKED AT	Call the Coast Char	of Career.
II HOL Teluttien of			Call the Char	פו החשור

IUNTER/LEGEND Owner's Manual

at:

When leaving your Hunter or Legend at the dock for more than a short time, it is a good idea to review the following check list to make sure everything is in order. This will help protect the various parts of your boat and add considerably to their attractiveness and usable life.

☐ Fold and bag headsails and stow below.
Furl mainsail and cover, or remove and also bag.
Remove and stow all portable deck hardware such as snatch blocks, winch handles, etc.
Secure the boom to the topping lift and set it firmly amidships with the mainsheet purchase. (It is also a good idea to rig a line from the steering wheel or tiller to a convenient cleat to keep the rudder from swinging back and forth with the motion of the water.)
Attach the shackle ends of all halyards to convenient fittings and take up slack.
☐ Cleat and coil halyard tails and permanent sheets, hanging them off the decl to promote drying.
Coil and stow all other lines.
☐ Cover the winches and steering pedestal when leaving the boat for several days or more.
Close all fuel lines and gate valves.
☐ Turn off the electrical system.
Pump the bilge.
☐ Check air vents, secure ports and hatches, and swab the deck, particularly if you have operated on saltwater.
☐ Make a final check of mooring lines, chafing gear, fenders, etc.

FOR SAFE BOATING

information on courses in your area. Take a safe boating course from the Coast Guard. You can call 800-336-B Carry all safety equipment required by federal and state law. Federal rec

can be acquired from U.S. Coast Guard Office of Boating, Public, and Cons ments are discussed in "Federal Requirements for Recreational Boats" w

Affairs, Washington, D.C. 20593. State requirements will come from your

a fire

kit, a pump or bailer, a transistor or weather radio, extra fuel, a paddle, ar State Boating Administration. The Coast Guard also recommends

tial safety inspection. Call your local Coast Guard Auxiliary for details. and line, and extra drinking water; also, if not a requirement, flares. Get a Coast Guard Auxiliary Courtesy Examination. This is a free, conf

Be familiar with the use of distress signals and PFDs.

AVOID FIRES

Handle fuels carefully,

Read the engine owner's manual for proper fuel-system maintenancinspect your engine's fuel system periodically. Heed fire extinguisher regulations and keep them in good condition.

While refueling:

2 Fill the portable tanks on the dock

 \overline{z}

Tie the boat securely.

Extinguish cigarettes and all flames on the boat. Turn off all er

0

- 0. Keep the hose nozzle in contact with the fuel can or fill and electrical equipment.
- 0 Wipe up all fuel spillage.
- Check boat for fumes. Ventilate the engine and fuel compartment.

BEFORE GETTING UNDERWAY

Perform pre-departure check list. (See check list on page I-4.) Leave a float plan. (See example on page I-5.)

should wear them if conditions become hazardous. WHILE UNDERWAY Do not operate a boat if intoxicated, fatigued or stressed. PFDs should be worn by children and non-swimmers at all times. Eve Check the weather: do not venture out if the weather is threatening These h

factors cause 50 percent of all boating accidents. Keep a good lookout. This is especially true of sailboats. Keep a wa

carry a radio with a NOAA "weather band" on FM 162.40-162.55MHZ leeward under the headsail. Keep away from swimmers, divers and ski Respect bad weather: try to get to shore if the weather turns bad. G Obey state and federal laws. Know your local laws and "rules of the roa

HUNTER/LEGEND Owner's Manual

R AFE BOATING (Continued)

fake copies of the example on page I-5 and use one before each trip. Fill and leave it with a reliable person who will notify the Coast Guard or ay with the boat. In cold water, huddle together to prevent hypothermia. ut on PFDs immediately. adio for help. Use the emergency VHF channel (i.e., 156.8MHZ). COUBLE OCCURS

loat plan upon your return.

rescue organization if you fail to return on time. Do not forget to cancel

SAILING TERMS

BLOCK: Pulley consisting of a frame in which is set one or more sheav BATTEN: A thin wooden or plastic strip placed in a pocket in the leech sail to help hold its form.

rollers. Ropes are run over these rollers.

BOOM: Spar at the foot of the mainsail.

BOOM VANG: Tackle secured to the bottom of the boom about three fe

of the gooseneck. The other block attaches to an eye at the base of the

CHAINPLATES: Strips of metal fastened to the boat's hull or deck desi to take the stress of stays. The vang's purpose is to keep the boom steady and horizontal while saili

CLEVIS PIN: A small stainless steel pin that has a hole in one end for a c pin and is used to secure stays to chainplates and mast fittings.

CLEW: The aft-most lower corner of a sail.

DOWNHAUL: A device used to tighten the luff of a sail in place.

COTTER PIN: A straight or circular split metal pin used

to hold a clevi:

FAIRLEAD: An eye used to lead line in the direction desired

FOOT: The lower edge of a sail.

GUDGEON: A metal socket attached to the transom to receive the pintle of GOOSENECK: A metal device that secures the boom to the mast.

HALYARD: A line for hoisting (or raising) the sails GUNWALES: The upper edge of a boat's side where it meets the deck

HEADBOARD: The fitting at the head of a sail with a hole in it to receive HEAD: The upper corner of a sail.

HEADSTAY: The foremost stay on a sailboat. A jib is set on a headstay. main halyard.

JIBE: The action of the mainsail when shifting from one side of the boat to jib to the headstay.

JIB SNAPS: Small fittings that are attached to the luff of a jib which secur

JIFFY REEFING: (see "reefing") A quick method of reefing the mainsail, so times with one line. other when heading downwind.

LEECH: The aft edge of a sail.

MAINSHEET: The line used to trim a mainsail LUFF: The forward edge of a sail

MASTHEAD FITTING: The fitting at the top of mast.

HUNTER/LEGEND Owner's Manual

GLOSSARY (Continued)

MAST STEP: A metal fitting that holds the base of the mast in position PINTLES: Pins on the forward side of a boat's rudder, designed to rest in and OUTHAUL: A line used to haul the clew of a sail out to the edge of the boom.

REEFING: To reduce a sail by rolling or folding up part of it

pivot on the gudgeons secured to the transom.

RIGGING: The wire supporting the spars is called standing rigging (stays or shrouds), and the ropes used in setting and trimming sails are known as running rigging (halyards and sheets).

ROLLER FURLING: A means of reducing sail on a main or jib by rolling the sail around a rod or wire.

SHACKLE: A U-shaped piece of metal with a pin across the open ends

SHEET: A rope used to trim a sail.

SHROUD: A length of wire used to support a spar (same as a "stay")

S IK: The opposite of taut (i.e., slack away or off-to pay out).

SPREADERS: Aluminum tubes that project from a mast in a traverse direction in order to keep a stay at proper tension and to help hold the mast erect.

STAY: A length of wire used to support a spar (same as a "shroud").

STEMHEAD FITTING: The fitting nearest the bow on the deck where the headstay attaches.

STEP: To step a mast is to set it in position.

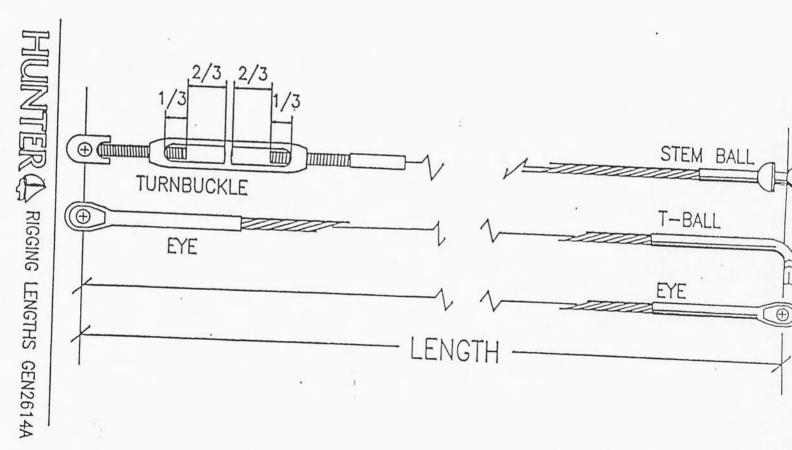
TACK: The lower forward corner of a sail.

TILLER: A piece of wood connected with the rudder head. By this the rudder is moved as desired.

TOPPING LIFT: A wire and/or rope that attaches to the top of the mast and fastens to the end of the boom. Its purpose is to hold the end of the boom up when the mainsail is lowered.

TRIM: To trim sails. To put them in correct relation to the wind by means of

TURNBUCKLE: A device used to maintain correct tension on rigging



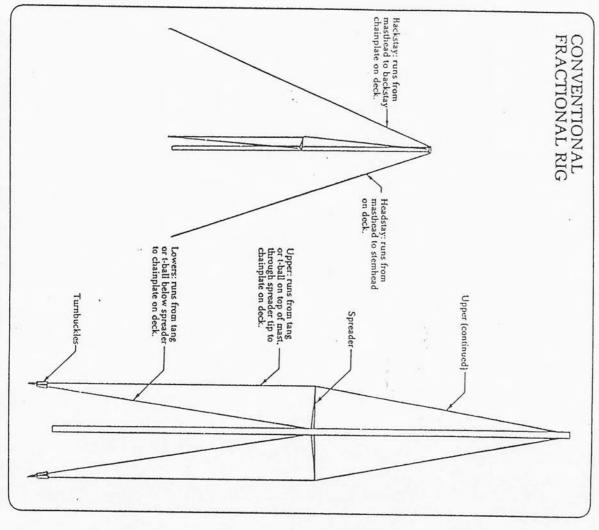
III. Sails & Rigging

A Tuning Hunter 26.5, the Conventional Hunter 333, Fractional Rig (Hunter Legend 35, Legend 37)

TUNING THE RIGGING:

After raising your mast, attach the headstay, backstay, upper shrouds and lower shrouds. Set the headstay turnbuckle at half open and then tighten backstay turnbuckle to medium tension. then tighten

and lower shrouds. Check that the mast is centered in the boat by measuring To center the mast athwartships, start with only slight tension on the upper



part of the mast forward as you increase tension of the uppers. the mast. This is achieved because the swept spreaders will push the middle tension both uppers equally, counting turnbuckle revolutions as you go. Tighten uppers until you have approximately one inch of "prebend" fore and aft in port and starboard are exactly the same. Now the spar is plumb athwartships, pletely up the main halyard. Adjust the upper shroud until the measurements from the masthead to the chainplates with a steel tape measure hoisted com-

straight athwartship. Sight up the luff groove to assure this straightness. Lowers should end up almost as tight as the uppers. (The uppers should always be preaders. The three shrouds should be made progressively tighter toward the aut position: perhaps eight to ten turns past your original tension. op of the rig; the uppers should be the tightest of all. Tighten backstay to a he tightest.) Both the Legend 35 and Legend 37 are equipped with double Now tighten the lower shrouds evenly, making sure the mast remains

n sailing conditions. Sail on both tacks, sighting up the luff groove to check thwartship straightness. Both upper and lower shrouds should be taut on the ine tuning the upper and lower shrouds is necessary when the spar is loaded Check the mast tuning by sailing in medium winds (10-12 knots). Sometimes

eeward side.

When mast tuning is complete, install cotter pins in all turnbuckles and ver sharp edges of the cotter pins with chafe tape

Tuning the B&R Rig (Hunter 28.5, Legend 40, Legend 45)

NOMENCLATURE DESIGNATION: upper-diamond *D2 and D3 are cut to a fixed length (no turnbuckles) lower-diamond lower-intermediate lower-upper upper-upper

d1

VI V2

Initial tuning is best accomplished before the mast is stepped.

heck to make sure it is a constant distance from the mast along the entire length. ne sail track groove, to the base of the mast, stretching it as tight as possible. o bow in any direction. Attach a small string from the masthead, in line with ne end and at its center. Once the mast is supported, make certain that it has Support the mast, forward side down, about one-quarter of its length from

the mast height above the boom (.01 imes mast height above boom). On a 50 ast, this would be .5 feet at the mid-point of the mast. You are now ready to "tune in" the desired mast bend, which is one percent

sired bend is induced. This is checked by measuring from the string down rns, adjust d1 port, d1 starboard, d2 port and d2 starboard evenly until the the mast at the center of the mast. "1 ing the rigging diagram, locate d1 and d2. Before tuning, make sure the ckles are adjusted back with equal thread showing. Carefully counting

It is important to make sure the mast is straight athwartships at this time.

You are now ready to step the mast.
Step the mast with all shrouds

Step the mast with all shrouds loosely attached.

Adjust the forestay and backstay to obtain the desired mast rake. The mast should be vertical or raked aft. The more rake, the greater the weather helm. The forestay and backstay should have a reasonable amount of tension on them.

A dinct V2 (nort and starboard)

Adjust V2 (port and starboard) evenly until they are tight. You should finish with approximately equal amounts of thread showing on each turnbuckle.

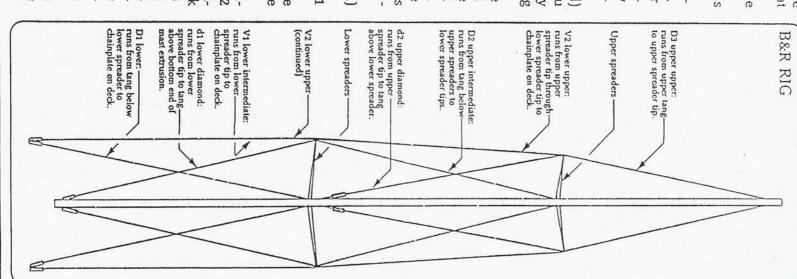
Using the jib halyard, check the mast for athwartship plumb. Pull the halyard out to the side of the boat and below the shear. Repeat the procedure on the opposite side. If you find a big difference (more than ½ inch), adjust turnbuckles an equal amount in opposite directions until the mast is straight. Adjust V1 (port and starboard)

Adjust V1 (port and starboard) using the above procedure.

Repeat the procedure for D1 (port and starboard).

Your mast should now have the original "pre-bend" and be straight athwartship.

and tape over sharp edges of the stall cotter pins in all turnbuckles described in the tuning instrucgressive shroud tightness routine with the B&R rig.) Follow the proside. (This is especially important should not be loose on the leeward athwartship straightness. Shrouds cotter pins with chafe tape When mast tuning is complete, ining up the luff groove to check ing in medium winds (10 to 12 Check the mast tuning by sailfor the Sail on both tacks, sightconventional rig.



Roller Furling

OPERATING THE ROLLER FURLING:

winch. Hand power is all that's needed; only special situations necessitate using a To furl the sail, release the jib sheet and pull in on furling line from cockpit.

2 be cleated and jib sheet tensioned. winch while furling. After jib has been completely furled, furling line should allowing it to slide through your fingers or by leaving two turns around a To roll the jib tightly around the headstay, it is advisable to keep some tension on the jib sheet. This can be done by holding the jib sheet and

This prevents snags on the drum. The jib sheet on leeward side of boat is then pulled to unfurl sail. It may be unrolled part-way or all the way, To unfurl, uncleat furling line, leaving one turn around the cleat for friction. depending on wind conditions.

REEFING THE ROLLER FURLING SAIL:

The sail should be tightly rolled to maintain optimum sail shape. Leave two your hand. Then pull the furling line in against tension of jib sheet to achieve the tightest roll (and, therefore, the best sail shape). around the sheet winch with the tail of the jib sheet held loosely in

2

You may reef the sail to any point. Most any sail may be reefed except a large genoa which is specifically cut very full and has a lightweight cloth that cannot withstand the strain of reefing. (Consult a sailmaker if in doubt.)

D. Reefing the Mainsail

Your Hunter or Legend is equipped with an easy-to-use jiffy reefing system.

reef the main:

.1 ping lift is secured in position. if installed), making sure top-Ease the mainsheet (boom vang

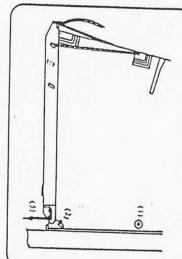
2 in place. sion main halyard when hooked on gooseneck reef hook. Re-tentack reef cringle can be placed Lower the main halyard so that

ω. is brought down snugly against sioned so that clew reef cringle Clew reef line must now be ten-

4

S sure to untie these first when shaking out the reef. through the reef points and around the folds and boom. IMPORTANT: Be The reefed folds of cloth can be rolled up and secured with short lines Readjust mainsheet and boom vang.

o unreef, reverse the procedure.



STEP 1:

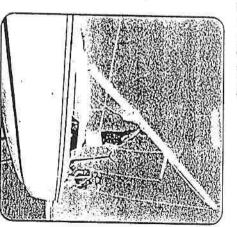
step to form a hinge. necting the two parts at the through the and have the crew member designated push the mast correctly in the step with the mast step. Position sail track down the mast aft with the mainbase highest position. Then walk ing the boom crutch to its You will start off by raisof the mast lines aft hole until the conpin dn

the swivel block and aft to one of the jib sheet winches jib sheet to the forestay turnbuckle with a bowline and lead the sheet through then attach the uppers, lowers and the backstay to the appropriate chainplates. Attach a swivel block, not included, to the mooring pin in the bow. Loosen all turnbuckles until there are four (4) full turns on each end and

se procedures one more time before going to step two.) You are now ready to raise the mast. (We suggest that you double-check

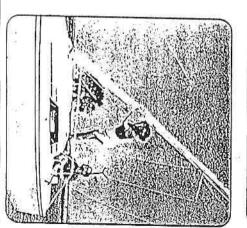
STEP 2:

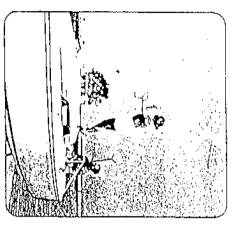
handle. Tighten this line as tight as you can cranking the jib sheet winch with the winch sion on the line attached to the headstay by end while another crew member puts tenwhile standing in the cockpit at the forward be the one to raise the mast as far as possible The strongest of the crew members will



STEP 3:

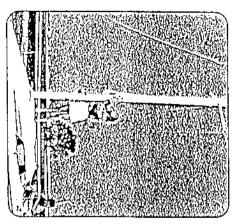
the and vice versa itions; the crew member at the winch takes urely cleated, the crew members change posis fully supporting the mast and is now secplace of the crew member at the mast After making sure that the headstay line





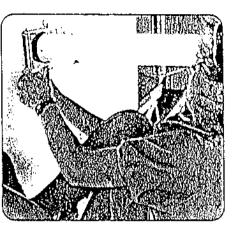
STEP 4:

The mast continues to be raised by a joint effort of cranking the winch while at the same time hoisting/guiding the mast easily, as the headstay line will carry the bulk of the weight. Team effort here pays off. Be sure it doesn't lean from side to side; keep it straight as it goes up.



STEP 5:

The crew member guiding the mast upward holds it in the upright position while the crew member at the winch goes forward. Disconnect the headstay line and attach the headstay to the chainplate.



STEP 6:

All you need to do now is insert the forward pin through the holes at the mast step, thereby securing the mast to the mast step and deck. The other crew member continues to hold the mast steady during this final procedure.

STEP 7:

awaiting you and your crew. and give your Hunter 23 the "once over" before backing the trailer into the car is locked and water and setting out to sea. Make sure all your gear is properly stowed, your Now all you have left to do is tighten and tune the rigging, attach the sails you have the keys, and then you're ready for any adventure

Sail Care and Storage

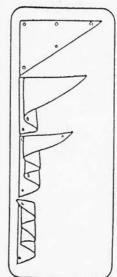
extend the life of your sails and maintain their best performance: Your Hunter or Legend comes with Dacron mainsail and 110% genoa jib

Never use them in wind ranges that exceed their capabilities.

- Never let them luff for extended periods of time.
- remove all detergents completely with a thorough rinsing. Rinse your sails in freshwater whenever possible if you sail in saltwater TION: Do not machine wash. Use a mild detergent in warm water, and Tub wash them every few seasons to keep them bright and attractive. CAU.

water, rinsing thoroughly. be soaked in a warm solution of two parts hydrochloric acid per 100 parts stain develop, bleach with oxalic acid and rinse thoroughly. Rust stains should For oil and grease stains, use commercial cleaning solvents. Should a yellow

face, then fold in a smooth, accorgram. First spread sail on flat sur-When dry, fold according to diato inspect them for minor damage. before bagging. This is a good time them and allow to dry thoroughly Alter rinsing your sails, spread



the clew and slide carefully into bag. dian pleat from the foot to the head. Next, roll the folded sail from the tack to

inspect your sails for signs of wear and tear. At the end of each season, it is good practice to have your local sailmaker

F. Care of Standing Rigging

indicate the wire is deteriorating and should be replaced. sionally for "fish hooks," strands of wire that have broken and curled outward. These can snag sails and inflict painful cuts in bare hands. Broken strands steel to insure years of reliable service. To protect your standing rigging, keep it clean and, whenever possible, rinse thoroughly with freshwater. Check occa-The stays and shrouds on your Hunter or Legend are highly durable stainless

Also inspect turnbuckles regularly and replace any missing cotter pins. Occasional lubricating improves both the life and the function of the turn-

G. Care of Running Rigging

cold water (and a mild detergent, if necessary), especially after exposure to saltwater. Rinse thoroughly and coil. Hang the tail ends of halyards off the deck to promote drying. Sheets should also be hung to dry. To protect your running rigging (sheets, halyards) from damage, wash with

substantial wear should be replaced. Inspect all lines periodically for fraying and other damage. Lines showing

H. Stepping the Mast On the Hunter 23

as a team. Good luck and smooth sailing stepping of the mast. Sailing is a fun and safe sport when the crew operates steps and assign each person their respective task and positions during the Hunter Marine recommends that you walk through the following seven

IV. Maintenance

A. Engine, Transmission and Drivetrain

ENGINE

all times. to Engine Manual). Be certain the proper amount of oil is in the crankcase at the engine oil level before and after operation and use quality motor oil (refer Follow the fuel and lubrication requirements in the Engine Manual. Check

normal gear aboard. A description of the procedure follows: Engine alignment: The engine should be aligned by experienced marine personnel. Final alignment should be done after launching, with all

meet equally. Severe vibration will result from misalignment and a feeler gauge is used to check the gap. If adjustment is necessary, can cause strut bearing and shaft damage. the engine is tilted up or down and/or side to side until the flanges The coupling flanges must come together evenly at all points.

(Refer to this manual's alignment drawing.) Alignment should be checked again after several weeks of use.

TRANSMISSION:

should be checked immediately after operation. Follow the lubrication requirements of the Engine Manual. The oil level

DRIVETRAIN:

drops a minute) and normal. location. A slight drip from the stuffing box at the shaft exit is necessary (four The shaft log (stuffing box) should be inspected periodically.

The stuffing box is held to the shaft log tube by a rubber tube secured by hose clamps. The clamps should be tight and no water should leak from this

the packing and then adjust as above. retighten lock nut. If excessive water flow persists after adjustment, replace To adjust, loosen the lock nut, tighten gland nut one-quarter turn, and

₩. Steering

should be followed closely. Wires should be periodically inspected for proper tension. Lightly oil all wire. The manufacturer's instructions for maintaining pedestal steering system

Electrical Systems

The electrical system is a 12-volt, negative ground installation. The owner should periodically inspect battery(ies) and cables for signs of corrosion, cracks, and electrolyte leakage

D. Plumbing Systems

All pumps should be checked frequently to insure proper operation. This

of a pump could save your vessel from serious damage in the future. is an especially important regular maintenance item since proper functioning

Check that the pump impeller area is clean and free of obstructions. Inspect all hoses for chafing and dry rot. See that hose clamps are tight.

and are making an electrical connection. Inspect electrical wiring for corrosion. Make sure float switches move freely

and inspects for leaks frequently. It is especially important that the owner knows all thru-hull valve locations systems by walking through the boat with the diagrams provided in this manual. The owner should become familiar with the layout of the water and waste

General Thru-hull List (varies from boat to boat-see diagrams in section VI) Engine cooling system

- Galley sink
- Head sink
- Head toilet (water intake)
- Holding tank discharge
- Scupper drains

H Fuel System

caps are tightly secured after filling. Check and maintain fuel filters periodically. remary source of fuel-related problems is water in the system. The owner uld seek out only well maintained fueling facilities and make sure fuel fill The owner should inspect the condition of fuel lines for cracks or leaks. A

'E General Care

CLEANING FIBERGLASS SURFACES:

clean fresh water. stubborn dirt, grease or oil, use a mild detergent and a soft brush. Rinse with boat is operated in salt water, more frequent rinsing will be required. To remove surface dirt can be removed simply by occasional rinsings with water. If your Fiberglass surfaces should be cleaned regularly. Normal accumulations of

an appropriate wax. It is also a good idea to wax the fiberglass once or twice a year to maintain a deep, glossy appearance. Your local marine supply should be able to provide

FIBERGLASS REPAIRS:

to repair any hairline cracks or chips. Your Hunter or Legend dealer can supply you with the proper gel coat used

- Using a mild detergent solution, clean repair area completely of wax, dirt or oil, and dry completely.
- or so beyond the end of each crack to relieve any stress. that it will hold putty. This is most easily done with an electric drill or router equipped with a V-shaped grinding bit. Also, cut one-quarter inch To patch "spiderweb" or hairline cracks, begin by widening the crack so ish away all dust from the crack.
- gel coat with filler powder to form a creamy consistency. Mix more than enough patching compound to do the job and stir to a smooth blend.

Temperatures should be in the 60s or above, or a heat lamp should be used

Using a putty knife, work the mixture firmly into the crack to eliminate air of the crack to allow for shrinkage. Wet sand and buff (with compound) the bubbles. Leave an excess of about one-sixteenth of an inch above the surface repaired area

TEAK CARE

more in northern climates and twice a year or more in tropical climates. tain that durable quality it should be given a coat of teak oil once a year or Teak wood is an extremely durable wood with a high oil content. To main-

eventually lead to cracking and splitting. Teak can be allowed to weather out, as seen on many boats, but this will

should be applied after cleaning and sanding. Complete finishing procedures can be obtained from your marine finish products manufacturer or supplier. If you wish to maintain your teak with varnish, resin or urethane, a sealer

FABRIC CARE:

them vertically to promote airflow around each cushion. Cushions should be removed and stored at home if possible. If not, prop

WINCH MAINTENANCE:

Follow the maintenance instructions prescribed by the winch manufacturer.

GENERAL HARDWARE MAINTENANCE:

all moving parts on such fittings as blocks, turnbuckles and cam cleats, as well as the locking pins of snatch blocks, track slides, spinnaker poles, etc. Check all fittings regularly to be sure screws are tight. Occasionally lubricate

grained emery paper if necessary. Inspect chocks, cleats and fairleads for roughness and smooth with fine

les, and either tape them or use protective covers manufactured for that purpose. Also, replace any missing or damaged cotter pins in turnbuckles and shack-

V. Storage/Winterization

alignment caused by twisting, is not covered by the warranty. bubbler system to prevent icing. Damage to your boat, including engine mischained stands on level ground; or 3) by storing the boat in the water with a following three ways, either: 1) by blocking the boat via a cradle; or 2) with IMPORTANT: Winter storage is recommended to be done in one of the

A. Sails

store the sails until the start of the next season. each season. The sailmaker will check the stitching and sailcloth for wear and sailboat owners send their sails back to the sail manufacturer at the end of should be properly folded and stowed in a dry, well ventilated place. Many Sails and synthetic lines should be washed and dried thoroughly. Sails

B. Electrical

Remove battery from boat. (Refer to Engine Manual.)

C. Cushions

them vertically to promote airflow around each cushion. Cushions should be removed and stored at home if possible. If not, prop

D. Hatches

with a tarp or plastic sheeting. for the whole boat. However, it is prudent to loosely cover any open hatches Hatches and floorboards should be left open a crack to provide ventilation

E. Water System-Water Heater

WATER SYSTEM:

pumping out procedure. mately two gallons of non-toxic anti-freeze solution to the tank and repeat the Open a faucet and allow the pump to empty the tank. Then add approxi-

all faucets to allow the lines to drain. If possible, use a short piece of hose on to drain. Find the lowest point in the system and disconnect the fitting. Open the faucet to blow through the lines to clear all water. A second method is to disconnect the hoses at the pump, allowing them

WATER HEATER:

Open valve and drain fully. Leave valve open during lay-up time

F. Toilet and Holding Tank

50/50 mixture with water, pump through toilet and into holding tank. Drain and flush toilet. Using automotive anti-freeze (ethyleneglycol) in a

Engine

- thoroughly with freshwater. Don't use high pressure through the line. Drain the cooling water completely out of the engine and flush the line
- Remove the fuel completely from all fuel lines.
- ω To prevent corrosion inside the cylinders, pour a little lubricating oil into Disconnect the main battery cables from the battery terminals.

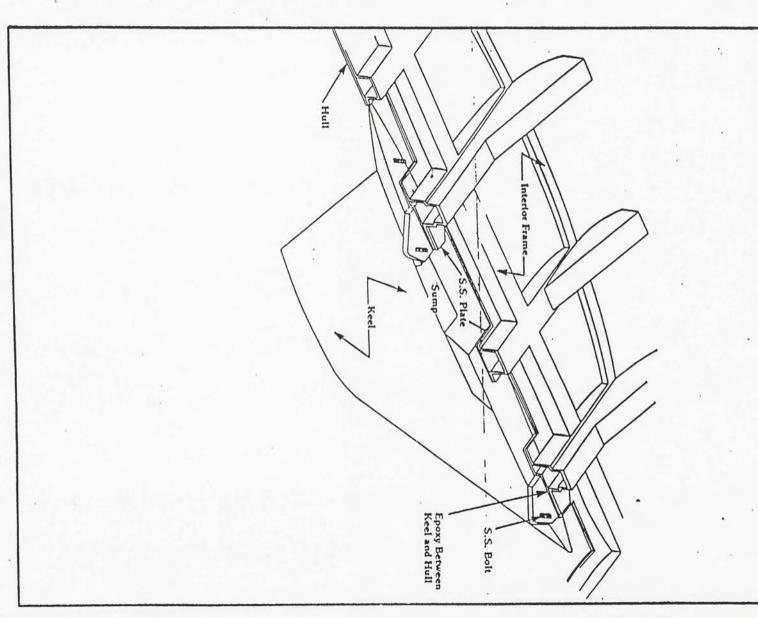
4

- 5 exhaust valve is sufficient. the suction pipe while turning the engine. Enough oil to reach the intake
- exhaust valves are completely closed. Put the piston at top dead center of compression stroke so that the intake
- 7. 6. The engine should be in a well ventilated area, and protected from any kind surfaces. Apply a thin anti-corrosion treatment to the plating and exposed painted
- 8 Put a dust cover over the engine. of dampness.
- 9. Check your operation manual for engine diagram and for "Manufacturer's Recommended Winterizing Procedures."

Outboard Engine

nk as the gasoline is very flammable. Take it home and store it in a safe place. Be very careful storing the gas

TYPICAL KEEL INSTALLATION



STORAGE/WINTERIZATION

caused by twisting, is not covered by the warranty. in the water with a bubbler system to prevent icing. Damage to your boat, including engine misalignment IMPORTANT: Winter storage is recommended to be done in one of the following three ways, either: 1) by blocking the boat via a cradle; or 2) with chained stands on level ground; or 3) by storing the boat

SAILS

and sailcloth for wear and store the sails until the start of the next season. their sails back to the sail manufacturer at the end of each season. The sailmaker will check the stitching Sails should be properly folded and stowed in a dry, well ventilated place. Many sailboat owners send

ELECTRICAL

the electronics (Radio, Radar, etc.) and store in a safe place Remove battery from boat. (Refer to Engine Manual.) and charge. It is a good idea to also to remove

CUSHIONS

airflow around each cushion. Dry Clean Only! Cushions should be removed and stored at home if possible. If not, prop them vertically to promote

HATCHES

fittings. The installation of a passive vent will help with ventilation while the boat is in storage. Tenting the deck during storage will help prevent ice from forming and damaging hatches and deck

WATER SYSTEM - WATER HEATER

WATER SYSTEM:

anti-freeze solution to the tank and repeat the pumping out procedure Open a faucet and allow the pump to empty the tank. Then add approximately two gallons of non-toxic

shoret piece of hose on the faucet to blow through the lines to clear all water. A diluted solution with baking soda will help freshen the system in the system and disconnect the fitting. Open all faucets to allow the lines to drain. If possible, use a A second method is to disconnect the hoses at the pump, allowing them to drain. Find the lowest point

WATER HEATER:

Open valve and drain fully. Leave valve open during lay-up time

TOILET AND HOLDING TANK

pump through toilet and into holding tank. Refer to Galley/Head section for instructions Drain and flush toilet. Using automotive anti-freeze (ethyleneglycol) in a 50/50 mixture with water.

STORAGE/WINTERIZATION CONTINUED

ENGINE

- water. Don't use high pressure through the line. Drain the cooling water completely out of the engine and flush the line thoroughly with fresh
- in is Remove the fuel completely from all fuel lines.
- Disconnect the main battery cables from the battery terminals.
- 4. while turning the engine. Enough oil to reach the intake/exhaust valve is sufficient To prevent corrosion inside the cylinders, pour a little lubricating oil into the suction pipe
- S completely closed. Put the piston at top dead center of compression stroke so that the intake/exhaust valves are
- 7.6 Apply a thin anti-corrosion treatment to the plating and exposed painted surfaces.
- The engine should be in a well ventilated area, and protected from any kind of dampness.
- Put a dust cover over the engine.
- Winterizing Procedures." Check your operation manual for engine diagram and for "Manufacturer's Recommended

OUTBOARD ENGINE

flammable. Refer to "Engine Manual" for specific maintenance schedule Take it home and store it in a safe place. Be very careful storing the gas tank as the gasoline is very

DEPARTURE FROM THE BOAT

ports, windows, hatches, and doors. off fuel valves, the proper settings for electrical switches, pumping out the bilge and leaving the switch Primary choices for this list are items relating to the safety and security of the unattended craft-turning on automatic (or arranging for periodic pumping out). Other departure check list items are securing be remembered until you are far from the boat and corrective actions are impractical or impossible. The check list for leaving a boat unattended is very important because items overlooked often will not

ROUTINE MAINTENANCE

former are oil level checks and changes, and oil and fuel filter changes. terms of engine hours) and on calendar dates (weekly, monthly, or seasonal checks). Typical of the Routine maintenance check lists should include items based on how much the boat is used (usually in

and supplies carried on board for emergencies should be inspected for any signs of deterioration. several times to ensure their free and easy operation in case they are needed in an emergency. Equipment bilge alarms or pump switches by running water into the boat. Periodically close and open seacocks gauges on dry-chemical fire extinguishers, and all navigation lights. Check the operation of automatic On a calendar basis the lists should note such matters as electrolyte levels in storage-batteries, pressure

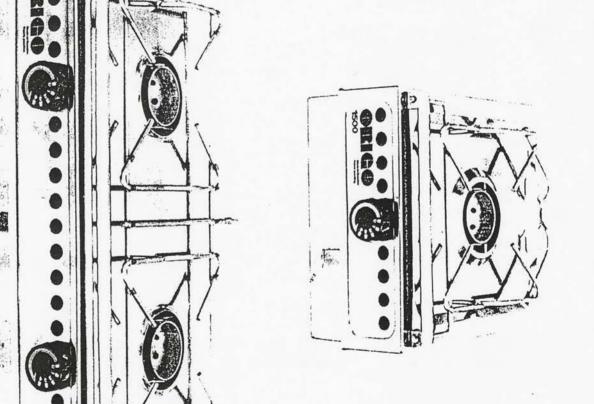
HUNTER 23 MOTOR:

comes loose, always have a safety line attached from the motor to the boat. instructions provided by the manufacturer. The Hunter 23 outboard motor should be operated in accordance with the a precaution to insure that you do not lose the outboard if the clamp

HUNTER 23 TRAILER:

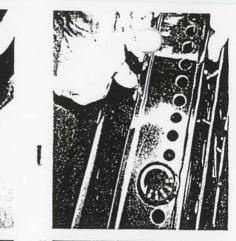
225 pounds. It is recommended that you maintain your trailer weight at approximately

ORIGO 1500, 3000



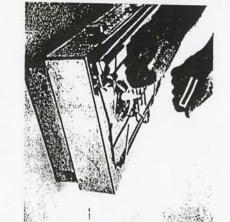
BRUKSANVISNING INSTRUCTIONS

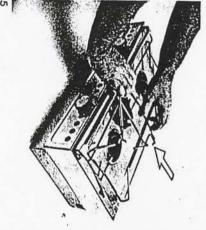
GEBRAUCHSANWEISUNG













RUKSANVISNING

RIG 700 och 3000 är spritkök som arbetar utan övertryck och me oränslet absorberat i en eldhärdig massa. De har dessom inga känsliga ventiler eller andra delar som behöver regelunden service. Detta gör köken mycket lättskötta och säkra.

om alltid då man har att göra med öppen eld måste man natur-jlvis lakttaga viss försiktighet. Läs därför noga igenom följande ikla anvisningar innan Ni använder Ert nya kök.

m spritbrand trots allt någon gång skulle uppstå så kom ihåg t den kan släckas med vatten.

SKETS PLACERING

ja vindskydd erhålles. Placeringen bör även vara sådan att an får största möjliga avstånd till omgivande brännbara eller indre värmetåliga material. Det bästa är om köket monteras i ett öket skall endast användas i ett väl ventilerat utrymme. Man bör ock undvika alltför kraftigt drag eller blåst. Om det användes åtklätt utrymme i en öppen sittbrunn, bör man placera det så att bästa möj-

AFYLLNING

år ej ske i närheten av öppen eld eller heta föremål. Uppfällng av hällen: Rattarna i läge 0 så att behållaröppningarna är sit täckta. Hällens nedre framkant drages lätt framåt samtidigt man trycker på spärren PRESS (enl. bild 1).

gen glöd finns i behållaröppningarna. Då köket användes urms behållarna, varvid spriten utvidgas och behöver visst nisionsutrymme. Det är därför nödvändigt att inte överfylla illarna rft ur behållarna. Kontrollera att lågorna är helt släckta och att finns i behållaröppningarna. Då köket användes upp-

äll ned behållarna — kontrollera att de passar in mellan styrngarna. Nedfällning av hållen: Rattarna i läge 0 som ovan. Häln fälles ned så att spärren låser. shållaröppningarna har en försänkning vid kanten för att underta påfyllningen. Håll behållaren som bild 2 visar, med försänknigen nedåt, och häll spriten direkt mot öppningens nät. Påfylld ang ontrolleras genom att behållaren hålles på högkant som behållaröppningen kan ske tills spritytan blir synlig i försänknigen, vid behållaröppningens nedre kant. Efter påfyllning — se att ingen utspilld sprit finnes i köket. Torka alltid av behållarna.

INDNING (BILD

fyllning. Stick ned en brinnande tändsticka i brānnarōppningen. Tändstickan kan slāppas ned i brānnaren och tas bort vid nāsta på-

Om kõket skall stå oanvänt en längre tid är det lämpligt att låta spriten brinna slut i behållarna. Om brännaren tänder häftigt så att lågan blåses ut (kan inträffa om behållaren är ljummen) — håll en brinnande tändsticka i beredskap — blås kraftigt ned i brännaröppningen och tänd omedelbart (Använd ev. braständsticka eller ORIGO's gaständare).

SLÄCKNING

Vrid regleringsratten åt höger så långt det går

DEMONTERING AV KOKKÄRLSSTÖD (BILD 5)

På hällens ovansida finns på bakkantens mitt ett avlångt hål. Om stödet vid denna punkt pressas mot kökets framsida kan det lyftas ur hålet och tas upp. Fäll och lyft sedan av det.

BALANSUPPHÄNGNING

foljande satt: Som extra tillbehör finns balansupphängning, som monteras pa

båt. Tänk på att hällen skall kunna fällas upp vid påfyllning då köket är nedsänkt. Andra viktiga faktorer att tagunhänsyn till är att köket i uppfällt läge får tillräcklig plats att pendla både framt köket i uppfällt läge får tillräcklig plats att pendla både framt at och bakåt. Var också, som tidigare nämnts, noga med att det kan sānkas ned framāt eller bakāt. Innan Ni bestāmmer hur armarna skall sitta sá gör ett prov genom att montera fast dem vid gavelplátarna och undersök vilket alternativ som passar bāst i Er de skruvar och muttrar (se bild 6). De kan endast monteras på ett sätt. Upphångningsarmarna kan däremot vändas så att köket Gavelplåtarna fästes vid kökets underdel med hjälp av medföljanhamnar för nära något mindre värmetåligt eller brännbart

När Ni slutgiltigt hänger upp köket genom att fästa gavelplåtarna vid upphängningsarmarnas axeltappar, är det viktigt att de olika detallerna monteras i rätt ordning. De fiberbrickor som har runt hål skall sitta innerst på tapparna. Häng därefter upp köket. Trä på de brickor som har avlångt hål så att de passar i tapparnas på de brickor som har avlångt hål så att de passar i tapparnas avfräsningar och skruva till slut i spännskruvarna. Justera varnas åtdragning så att önskad friktion erhålles. skru-

användas om köket står oanvänt under en la varm väderlek för att hindra spriten att avdunsta. Köket levereras med packningar för bränslebehållarna. Dessa kan användas om köket står oanvänt under en längre tid samt vid längre tid samt vid

Gör så här: fäll upp hällen

TEKNISKA DATA:

rānsle: Effekt: Hōjd: 2 Bredd: let: T-sprit (T-röd)

ca 275 mm ca 137 mm (inkl. kokkärlsstöd)

1 liter vatten kokar på 6-8 min. ca 1,2 liter per behållare ca 464 mm (1500, ca 236 mm)

Box 171 ORIGOVERKEN

Gaständare Kokkärlshållare Balansupphangning

301 03 HALMSTAD

7:1

INSTRUCTIONS

ORIGO 1500 and 3000 are non-pressurized alcohol stoves with the fuel absorbed in a non-flammable pulpe. They have no valves to develop leaks, or other components in need of regular service. This makes ORIGO 1500 and 3000 safe and easy to maintain.

As always — when working with a naked flame — certain pre-cautions are required. So, read the following simple instructions carefully before using your new ORIGO 1500 and 3000 stove.

If an accident should ever occur, remember that burning alcohol can be extinguished with water.

LOCATION OF YOUR NEW ORIGO 1500 AND 3000

Your stove should be located in a well-ventilated space. Avoid excessive draft. If finst, your ORIGO 1500 and 3000 is used in an open cockpit, it should be placed so that maximum protection against the wind is obtained. Mount the stove as far away from combustible materials as possible. Preferably mount the stove in a metal-lined space.

TO FILL, OPEN THE STOVE TOP

the knobs to 0 position, burner openings fully covered. Pull the rward lower edge of the stove top slightly forward, while simultaneously pressing the catch PRESS (photo 1).

Tank must not be filled near an open flame or a hot object. The tove top can only be opened when the burner openings are ompletely covered by the regulating plates. Turn the regulator knobs clockwise as far as they go, and the flames are extinguished. Lift out tank unit. It is essential that not only has the flame been completely extinguished, but that there is no heat grow on

During use, the tanks are heated, and the fuel requires space to expand. It is therefore important to avoid overfilling the tanks.

The tank openings are recessed to facilitate filling. Hold the tank as shown in photo 2, with the recess pointing down, and pour the fuel directly into the opening covered by the wire mesh. Check quantity by raising to vertical. When fuel is visible in recess, do not fill more (photo 3). After filling, make certain no excess fuel remains in stove. Always wipe tanks dry. Place tanks in stove. Check that they fit properly in mountings. Close the stove up.

Closing: Knobs in 0 position! Fold down the stove top, the catch will lock. (Make certain that the regulating plates cover the burner openings so that stove top is level.)

TO LIGHT (PHOTO 4)

removed at next filling.) Turn regulator knob counter-clockwise to open burner. Place a lighted match at burner opening. (Match can be dropped in and

If the stove is warm (from previous use), burner may ignite sud-denly and simultaneously snuff itself out. If this happens, blow down into burner opening to dissipate alcohol vapor, and relight. The Origo-lighter is recommended. Winterize your stove by burning remaining fuel. sud-

1 □ EXTINGUISH

Turn regulator knob clockwise



At the back of the stove top is an oblong hole, into which the grid retaining hook fits. To remove grid, slide it out of the retaining hole and it can be lifted off. TO REMOVE GRID (PHOTO 5)

Gimbals for ORIGO 1500 and 3000 are optional. Your ORIGO 1500 and 3000 gimbals should be mounted as follows: The gimbal side-plates are fastened to the lower body of the stove by the enclosed nuts and bolts (see illustr. 6). They can only be attached in one way

be lowered forwards or backwards. Before mounting the gimbal arms, make a test by attaching them to the gimbal plates in order to determine which alternative is right for your boat. Remember that the stove top must be raised to full upright position in order to remove burner units for filling, when the gimbals are in down position. Also be sure that your ORIGO 1500 and 3000 stove has sufficient room to swing freely when gimbals are used. Take care that stove is not mounted too close to combustible materials, or materials likely to deteriorate from the heat. When lifting the stove into position you fasten the gimbal side plates to the gimbal arms at the pivot point using the two special thumb screws supplied. Be sure that the installation is done in the correct sequence. rect sequence. gimbal arms, however, can be turned to enable the stove to

Fiber washers with round holes must be placed on the gimbal arm side. Then hang stove. Place fiber washers with oblong hole between body of stove and gimbal plate. They are cut to fit the end of the plate, and fasten the screws. Adjust the tension of the screws to the desired friction.

The stove is delivered with gaskets on top of the tanks. These are to be used if you are not using your stove for some time. Can also be used to prevent evaporation in hot climate.

Use this way: fold up the stovetop, check that the stove has become cold. Put the gaskets over the tank openings. Fold down the stovetop to horizontal position and open the burners to lock the top in closed position.

TECHNICAL DATA:

Height: approx. 5 3/8" (137 mm) incl. cooking grid

approx. 10 7/8 275 mm

Fuel tanks: Length: approx. 2.5 pints each tanks (1,2 l.) approx. 18 1/4 464 mm (1500, 9 5/16" 236 mm)

Fuel: will boil 2 pints of water in 7 minutes (per burner) denatured alcohol, methylated spirit

OPTIONAL EXTRAS

Efficiency:

Potholders

WARNING

Box 171 ORIGOVERKEN To be used only with denatured alcohol. Must never be used with gasoline, kerosene, diesel or any other type of fuels.

SWEDEN S-301 03 HALMSTAD

FLORIDA 33577 1121 LEWIS AVE. -ORIGO USA INC SARASOTA

OTECTING : UR RIGGING

lo matter how good your rigging is, with-careful inspection and proper maintece it is subject to fatigue, wear, discolora-and, therefore, product failure. Rememng to inspect and clean will increase the of your investment and secure your rigg. We would like to suggest the following:

Ilways rinse your rigging with fresh water r sailing. Especially after saltwater sail-Salt can create corrosion pits, causing the and deterioration. In these severe

eks and deterioration. In these severe osion conditions we recommend using a corrosion resistant alloy type 316.

Clean with a water soluble detergent withchlorine. Non-abrasive cleansers are best hard white vinyl coated cables.

Store wrapped rigging with twine. *Never* tape. Tape causes moisture, attracts dirt, leaves residue that creates corrosion.

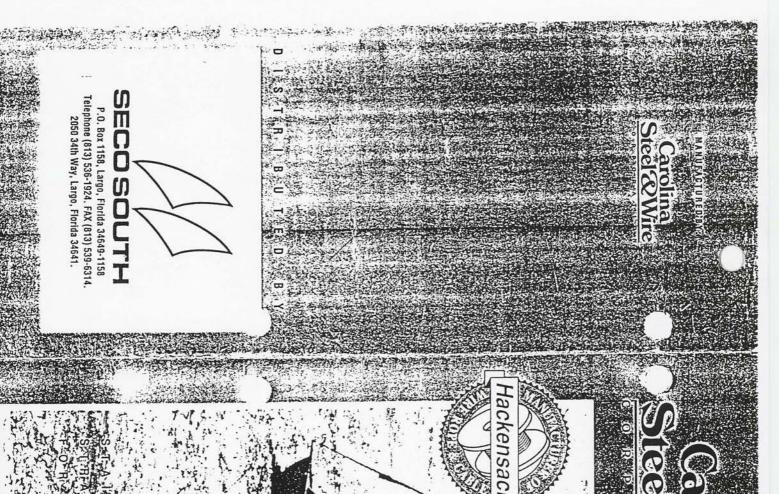
nspect rigging for stains. Rust stains may icate stress cracks or corrosion. Remove ns with synthetic or brass pads. *Never* use all wool pads.

Look for broken wires - a sign of fatigue in ging. Replace standing rigging if wires are ken.

Never mix stainless steel and galvanized tals on cable, fittings, pins, cotter keys, . If mixing dissimilar metals, electric curts may conduct between metal causing id deterioration.

After un-stepping, make sure to release all nding rigging to avoid bending, crushing, I kinking.

Store rigging in a dry place. Never store in lastic bag. Plastic, like tape, causes corron.



5/8 /	9/16"	1/2"	7/16"	3/8"	5/16"	3/32" 1	1/4"	/32"	8/16"	/32"	1/8"	/32"	/16"	*	ameter B	tainle	REF	
47000	36200	30000	22500	17500	12500	10300	8200	6300	4700	3300	2100,	1200	500	19	Breaking Strength Pounds	SS Ste	0 R	
855.0	670.0	521.0	410.0	300.0	210.0	170.0	135.0	102.0	77.0	55.0	35.0	20.0	8.5	-	Weight Pounds M Feet	302	0	
5/8	9/16"	1/2"	7/16"	3/8"	5/16"	9/32"	1/4"	7/32"	3/16"	5/32"	1/8"	3/32"	1/16"	≟ ×	Diameter (Inches)	Stainless	P R E	
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7/32" 3/16" 5/32"

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2900 2000 1300

1/4"

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3/32" 1/16"

700

3/32" 1/16"

920

7.5 4.2

360 240

3/64"

1/8"

1700 920 480 270

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1360

28.5 16.0 7.5 4.2

1/8"

1/4"

6400 5000 3700 2400

170.0 135.0 102.0

7800

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5/16" 9/32"

3/8"

12000 9000

236.0 167.0 134.0 106.0

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(Inches)

Strength Weight Pounds M Feet

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E316 iee

Diameter (Inches)

Breaking Strength Pounds

Diameter (Inches)

× Breaking Strength Pounds

Weight Pounds M Feet

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32 =	Weight Pounds M Feet

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7600	5/16"	173.0	9000
	•	139.0	7800
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173.0

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5/16" 9/32"

3/8"

furing process. That m	controls each stage of the	technical staff tightly mor	cable for quality rigging	preformed stainless stee	e proudly produce Ha	
300	the	mor	1g. (eels	e Ha	





standing rigging on me-dium and large size boats. Designed primarily for 1 x 19



855.0

670.0 521.0 410.0 300.0 210.0

7 x 19 and resistance to crushrine cables. High strength The most flexible of ma-

Bare Cable

Outer Diameter

Pounds Strength Breaking

Pounds M Feet Weigh

Vinyl

tainless Steel

~

7

MAD

302



halyards, running back-stays, topping lifts and WHITE VINYL COATED wire sheets. ing loads. Used for guys,

1/16"

1/8"

1/8"

7/32"

41.0

13.5

1/8"

1/4"

1700 1700 480





7 x 7

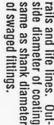
cable. Used primarily on

rigging where flexibility is small boats for standing The standard flexible











3/16"

1/4"





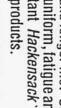


3/8"







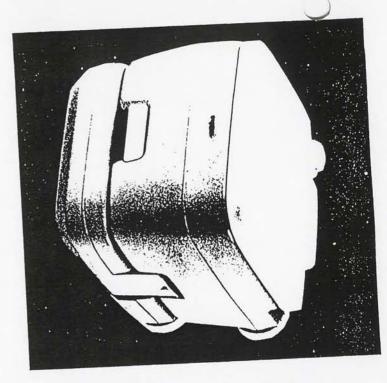




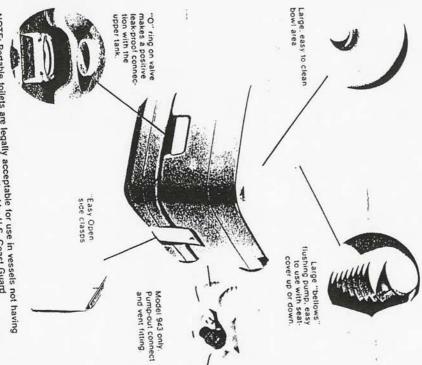








A few of the many SANI-POTTIE® features



NOTE: Portable toilets are legally acceptable for use in vessels not having permanently installed toilets, as determined by U.S. Coast Guard Regulations. However, some states and the Canadian province of Ontario do not permit portable toilets.

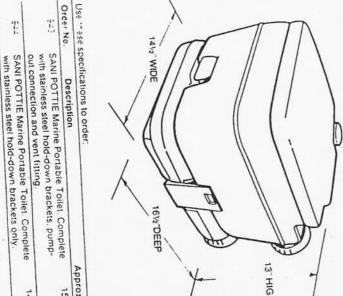
Mansfield

PONTE

Portable Toilets 943 & 944 Marine

At-nome convenience, wherever you go.

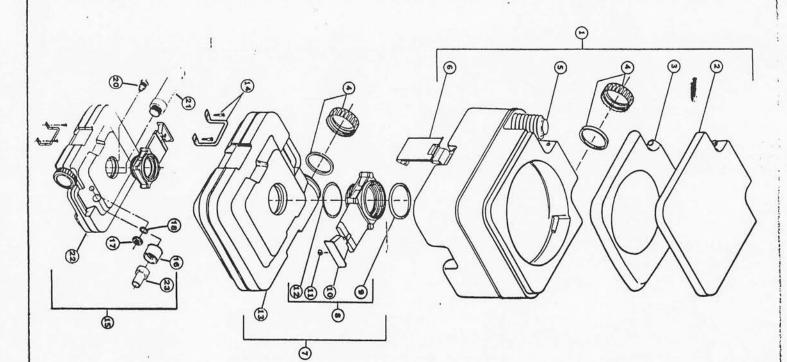
- proof, heavy-duty polyethylene and styrene. Compact, lightweight . . . crafted of corrosion-
- Requires no external water or power source:
- operates on self-contained clean water supply: features gas-tight, odor-free valve seal.
- Simple to carry, operate and maintain.
- and all Parchment. Available in two colors Parchment and Oxford
- Stainless steel hold-down brackets for secure mounting.



51.	E	Order No.
SANI POTTIE Marine Portable Toller Company with stainless steel hold-down brackets only.	SANI POTTIE Marine Portable Tolks, Domphere out connection and vent fitting.	Description Description

Mansfield Sa

943 & 944



SANI-POTTIE®

Replacement Parts List

3	topinocinonia and		
tem	tem Part No.	Description	
	123-0173	Fresh Water Tk Assy, all PAR	
e.	123-01/2	Fresh Water ik Assy. W/Oxlord Seat	
N	312-0003	Cover, Seat OXF	
	645-0001	Hinge Pin OXF	
	645-0012	Hinge Pin PAR	
ω	747-0011	Seat, OXF	
	747-0018	Seat, PAR	
4	531-0041	Kit, Cap & Seal OXF (2 Each)	
	531-0050	Kit, Cap & Seal PAR (2 Each)	
'n	531-0039	Kit, Bellows Pump PAR	
6	123-0116	Assy., Plastic Latch OXF	
	123-0151	Assy., Plastic Laten PAH	
7.	123-0167	944 Assy., HIdg Tank PAR	
0	400 0477	Accur Slide Value OVE W/O-Bings	
.00	123-0187	Assy., Slide Valve PAR W/O-Rings	
9	612-6549	Top O-Ring	
0.	468-0010	Handle OXF	
	468-0015	Handle PAR	
7	273-6911	Handle Clip	
12.	612-6401	Bottom O-Ring	
<u>.</u>	864-0013	Holding Tank Only OXF (944)	
	864-9001	Holding Tank Only PAR (944)	
4	531-0018	Kit, Hold Down Brkt.	
3	an Halding Tool		

943 Holding Tank Assy.

	2	23	Ŗ		20.	19.	18.	17.	16.		15	
	emical a	23. 105-0013	864-0016	123-0076	20. 420-0001	687-6606	447-1583	582-7068	123-0162	123-0169	15. 123-0112 123-0118	
	Chemical and Tissue	1-1/2" Hose Adapter	Holding Tank Only OXF	Dip Tube	Fitting	Sealant 2" (not shown)	Fiber Gasket	Locknut	Assy., Outlet Adapter	Assy., Holding Tank/SL VLV OXF	Assy., Holding Tank PAR Assy., Holding Tank OXF	
,										112		

261-0004 261-0006 639-8634

Waste Be Gone Powder Chemical — 6-2 oz. PKS
Waste Be Gone Liquid Chemical — 1-12 oz. BOT
Sani-Soft — 4 Pack Tissue

Mansfield Plumbing Products