MARINCO SHORE POWER CABLE SET

INSTRUCTION SHEET

WARNING - To minimize shock hazard, connect and disconnect cable as follows:

- 1. Turn off the boat's shore connection switch before connecting or disconnecting shore power cable.
- 2. Connect shore power cable at the boat first.
- 3. If polarity warning indicator is activated, immediately disconnect cable and have the fault corrected by a qualified electrician.
- Disconnect shore-power cable at shore outlet first.
- 5. Close inlet cover tightly.

DO NOT ALTER SHORE-POWER CABLE CONNECTORS.

STORAGE

Your MARINCO shore power cable set is intended for use outdoors. To prolong the life of the set, store indoors when not in use.

MAINTENANCE

WARNING - To prevent electrocution, always disconnect from power source before performing maintenance.

General:

The metallic parts of your MARINCO cable set are made to resist corrosion. In salt water environment, life of the product can be increased by periodically wiping the exposed parts with fresh water, drying and spraying with a moisture repellent.

A soiled cable can be cleaned with grease cutting household detergent. A periodic application of vinyl protector will help both ends and cable maintain their original appearance.

In case of Salt Water Immersion:

Rinse plug end and/or connector end thoroughly in fresh water, shake or blow out excess water and allow to dry. Spray with a moisture repellent before re-use.

REPAIR

If either plug or connector end requires replacement (component or molded type), it can be replaced with the following MARINCO devices.

CABLE RATING	PLUG	COVER	CONNECTOR	COVER
30A-125V 2 pole, 3 wire	305CRP	102	305CRC	103R
50A-125V 2 pole, 3 wire	6361CR	7717	6360CR	7715CR
50A-125/250V 3 pole, 4 wire	6365CR	7717	6364CR	7715CR

GALLEY/HEAD SYSTEMS

WATER SYSTEM OPERATION

Fill fresh water tank at deck fill. The tank filler cap will be marked "water". When tank is full, water will back up through the vent hose and exit through a vent located on the side of the hull

To activate the water system, flip the "water pressure" switch on the electrical panel. This will start the pump and pressurize the system. When the pressure builds, the pump will shut off. With continued use of fresh water the pressure in the system is reduced, automatically restarting the pump. Make sure there is water in the system while pump is in operation to prevent damage to the motor.

If pump kicks in frequently without system use, you may have a leak in the system and it should be checked. **Do not activate water heater unless there is water in the system.**

To operate shower, turn on hot & cold faucets until desired temperature is reached, while shower head is retracted at sink. Pull the shower head out and use. The faucets must be turned off to prevent system drainage.

Opening the faucet will allow the pump to empty the tank. Flushing the tank and lines will be necessary for winterization. Refer to Maintenance & Winterization section for more information.

POST OFFICE BOX 566 LA PUENTE, CALIFORNIA 91747 PHONE: (818) 968-2117 FAX: (818) 330-5442

WATER HEATERS

OWNER'S MANUAL

FOR
ELECTRIC/HEAT EXCHANGER
WATER HEATERS

MODELS: S600, S650, S700, S750 S1100, S1150, S1200, S1250

IMPORTANT SAFETY INSTRUCTIONS

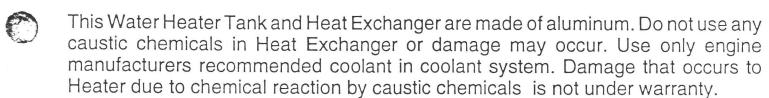
WARNING: When using electrical appliances, basic safety precautions to reduce the risk of fire, electric shock, or injury to persons should be followed, including:

- 1. READ ALL INSTRUCTIONS BEFORE USING THIS WATER HEATER.
- 2. This water heater must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on Page 3, Item 7.
- 3. Install or locate this water heater only in accordance with the provided installation instructions.
- 4. Use this water heater only for its intended use as described in this manual.
- 5. Do no use an extension cord set with this water heater. If no receptacle is available adjacent to the water heater, contact a qualified electrician to have one properly installed.
- 6. As with any appliance, close supervision is necessary when used by children.
- 7. Do not operate this water heater if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- 8. This water heater should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair, or adjustment.

SAVE THESE INSTRUCTIONS

WARNING:

This Water Heater is equipped with a heat exchanger. Extended engine coolant circulation through the heater may result in excessively hot water.



CAUTION:

Hydrogen gas can be produced in a hot water system served by these heaters that have not been used for a long period of time (generally 2 weeks or more.) Hydrogen gas is extremely flammable. To reduce the risk of injury under these conditions, it is recommended that the hot water faucet be opened for several minutes at the kitchen sink before using and electrical appliance connected to the hot water system. If hydrogen is present, there will probably be an unusual sound such as air escaping through the pipe as the water begins to flow. There should be no smoking or open flame near the faucet at the time it is open.

OPERATING INSTRUCTIONS

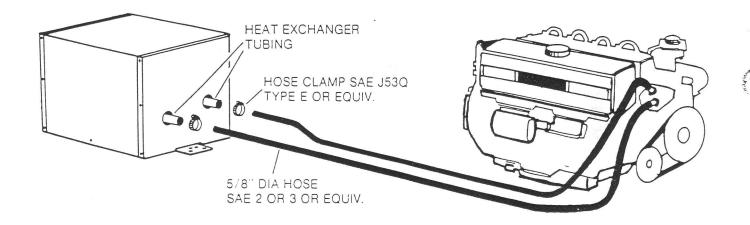
- 1. Fill water system and completely fill tank.
- 2. Locate and turn remote electrical switch to "ON".
- 3. Turn switch to "OFF" position prior to draining water system.

NOTE: Do not operate heater without element being submerged in water.

MAINTENANCE

- 1. Check heat exchanger lines for leaks at regular intervals. A leak in the system will cause coolant loss and may damage engine.
- 2. Flush tank periodically.

3. Drain tank if subjected to temperatures less than 32°F, to prevent freezing and possible damage.



INSTALLATION

- 1. Locate water heater at or below engine level as close to engine as possible..
- 2. Secure mounting brackets to structure with eight #12 minimum screws or 1/4-20 minimum cap screws and nuts.
- 3. Connect cold water supply and hot water outlet to heater.
- 4. Connect heat exchanger system described in figure above.
- 5. Pressure temperature relief valve is factory installed. The pressure relief shall limit the pressure to 127.5 PSI (879.3 KPA) minimum, 150 PSI (1034.2 KPA) maximum.

The valve must be oriented, provided with tubing, or otherwise installed so that discharge can exit only within 6 inches above, or at any distance below the structural floor, and cannot contact any live electrical part.

Install replacement temperature and pressure protective equipment required by local codes, but not less than a combination temperature and pressure relief valve certified as meeting the requirements for relief valves and automatic gas shutoff devices for hot water supply systems, ANSI Z21.22 by a nationally recognized testing laboratory that maintains periodic inspection of production of listed equipment or materials.

- 6. Connect the electrical supply by a qualified electrician. The electrical supply shall be permanent wiring, armoured cable or conduit, per national electrical code NFPA 70, with a minimum capacity of 1500 watts.
- 7. GROUNDING INSTRUCTIONS: The supply ground shall be connected to the green wire located in the water heater wiring compartment. Do not place switch in the grounding circuit.

Use a UL-Listed ON-OFF switch rated 15 AMP/120 VAC in the black supply line on 120 Volt models. Use a UL-Listed double pole ON-OFF switch rated 10 AMPS/220-240 VAC in the red and black supply lines on 220 Volt models.

The heater is equipped with a high limit switch which can be manually reset. If the limit switch activates, proceed as follows:

- Turn power off at main power panel or remote switch
- Remove wiring access cover
- Depress red button on high temperature limit
- Replace cover and turn power on
- If temperature limit switch reactivates, contact a Seaward Products authorized service center.

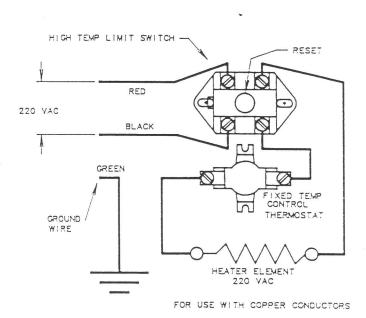
WIRING DIAGRAM FOR 120V

BLACK 120 VAC WHITE GREEN GROUND WIRE FOR USE WITH COPPER CONDUCTORS

CAUTION !
TO REDUCE RISK OF SHOCK
OR FIRE USE ONLY ON A UTILITY
SYSTEM HAVING A MAXIMUM
120/250 VOLT, THREE WIRE SYSTEM.

120 VOLT AC

WIRING DIAGRAM FOR 240V



240 VOLT AC

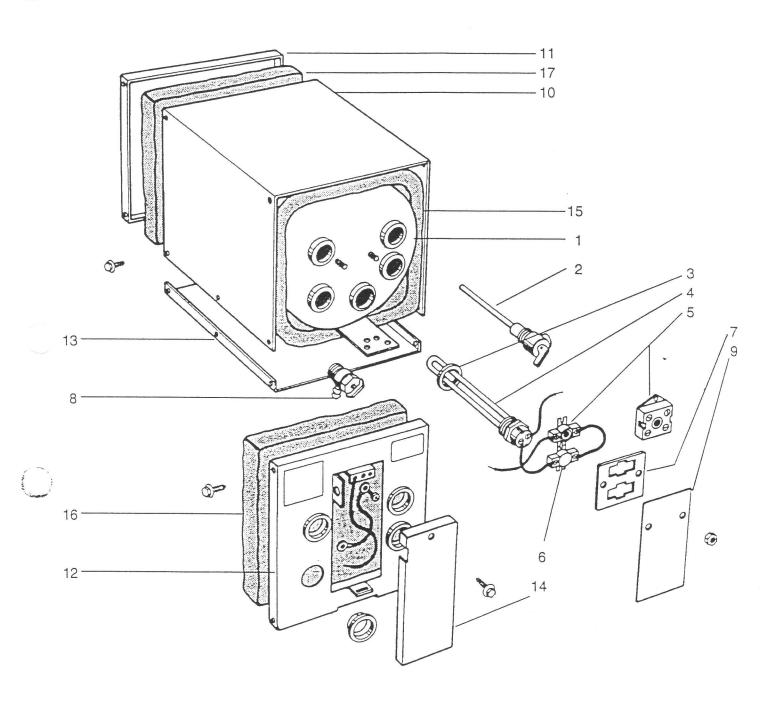
PARTS LIST MODELS \$600, \$650, \$700, \$750 \$1100, \$1150, \$1200, \$1250

ITEM	MODEL NO.	PART. NO.	DESCRIPTION
1.	S600/S700 S1100/S1200	80253 80254	TANK ASSEMBLY
2.	ALL MODELS	73127	TEMPERATURE/PRESSURE VALVE
3.	ALL MODELS	73124	HEATING ELEMENT GASKET
4.	120 VOLT	73364	HEATING ELEMENT
	240 VOLT	73365	
5.	120 VOLT	73128	HIGH LIMIT SWITCH
	240 VOLT	73154	
6.	ALL MODELS	73129	THERMOSTAT
7.	120 VOLT	73148	THERMOSTAT MOUNTING PLATE
	240 VOLT	73171	
8.	ALL MODELS	73123	DRAIN VALVE
9.	ALL MODELS	73145	WIRE SHIELD
10.	S600	73137	JACKET
	S700	73283	
	S1100	73166	
	S1200	73287	
11.	S600	73140	BACK PANEL
	S700	73286	
	S1100	73169	
12.	S1200	73290	EDON'T BANG
12.	S600	73139	FRONT PANEL
	S700 S1100	73285 73168	
	S1200	73289	
13.	S600	73138	BASE
10.	S700	73284	DASE
	S1100	73170	
	S1200	73288	
14.	S600/S1100	73141	WIRE ACCESS COVER
	S700/S1200	73291	VIII LA NOCEGO GOVERT
15.	S600/S700	73146	INSULATION WRAP
	S1100/S1200	73175	
16.	S600/S700	73147	INSULATION FRONT
	S1100/S1200	73176	
17.	S600/S700	73330	INSULATION BACK
	S1100/S1200	73331	

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	S700	73286	
	S1100	73169	
12.	S1200	73290	
12.	S600	73139	FRONT PANEL
	S700	73285	
	S1100 S1200	73168	
13.	S600	73289	2405
10.	S700	73138	BASE
	S1100	73284 73170	
	S1200	73288	
14.	S600/S1100	73266	WIDE ACCESS COVED
	S700/S1200	73291	WIRE ACCESS COVER
15.	S600/S700	73146	INSULATION WRAP
	S1100/S1200	73175	INSOLATION WHAP
16.	S600/S700	73147	INSULATION FRONT
	S1100/S1200	73176	
17.	S600/S700	73330	INSULATION BACK
	S1100/S1200	73331	

EXPLODED VIEW



REPAIR PARTS

Repair parts listed herein may be ordered through Seaward Products, Seaward Distributors and Dealers, or Dealer's Authorized Service Centers.

All parts will be shipped at prevailing prices.

When ordering repair parts, please give the following information:

- 1. The Part Number
- 2. The Part Description
- 3. The Model Number of the Heater
- 4. The Serial Number of the Heater

The Model Number and the Serial Number of the heater will be found on the rating plate located on the front panel.

For the Authorized Service Center nearest you, please contact Seaward Products.

CUSTOMER SERVICE

Seaward Products

15600 SALT LAKE AVENUE CITY OF INDUSTRY, CA 91745 POST OFFICE BOX 566 LA PUENTE, CA 91747

PHONE: (818) 968-2117 FAX: (818) 330-5442



Models 29090-0000 29120-0000

FEATURES

- Easy to clean white ceramic bowl
- Sturdy wood seat with durable baked enamel finish
- Forward angled pump for easy operation
- Convenient top-mounted dry bowl selector
- Reversible pump mounting for right or left hand installation
- External seal housing/rod guide for easy replacement
- Smooth external surfaces with skirted base to maintain cleanliness
- Triadic full-flow joker valve to avoid accidental blockage
- Multi-angle discharge port for versatility of plumbing connection

Specifications: Inlet port – 3/4", Disharge port – 1-1/2"

Weight – compact bowl: 26 lb large bowl: 32 lb

OPERATION

Manual Marine toilets have traditionally been somewhat cumbersome and confusing to operate and maintain. The PAR toilet has been designed with user convenience in mind. The pump assembly is angled forward to provide a natural, smooth stroke action. It has a top mounted wet/dry bowl selector which can be operated with the same hand used for pumping without releasing the pump handle.

The PAR toilet is surprisingly easy to operate. Simply move the wet/ dry bowl selector to the wet bowl position (left) and pump handle up and down a few times to add some water to the bowl prior to use. After using, flush by again pumping handle up and down (in wet bowl position) until bowl is thoroughly rinsed and evacuated. Then move the wet/dry bowl selector to the dry bowl position (right) and continue pumping until only about one cup of water remains in the bottom of bowl. Leave the wet/dry bowl selector in the dry bowl position when toilet is not use.

APPLICATION

The PAR Manual toilet is designed to meet the requirements of onboard marine applications. It may be installed above or below the waterline (special plumbing requirements apply to below waterline installations). The toilet may be plumbed so waste is discharged to holding tank, directly overboard (where permitted by law) or into a certified waste treatment device. For installation versatility, the pump assembly may be positioned on the left or right hand side of the bowl. Its multi-angle discharge port will allow routing of discharge hose in almost any direction for ease of installation and neat appearance.

The toilet is available with either a compact china bowl to fit restrictive areas or a large bowl with household size seat assembly for maximum comfort. Its forward angled double action pump with convenient top mounted dry bowl selector is easy and natural to operate. It is self-priming with a dry suction lift of up to 3 feet (1 meter) and a discharge head to 9 feet (3 meters). A full-flow triadic joker valve resists blockage while providing positive back-flow prevention.



Hazard of flooding. If toilet is installed below the waterline, it must be installed with properly positioned vented loops. Failure to do so may result in flooding which can cause loss of property and life.

MANUAL MARINE TOILET



MODELS AVAILABLE

29090-0000 Compact Size Bowl & Seat 29120-0000 Household Size Bowl & Seat

Positioning and Mounting

The PAR Manual Toilet is assembled at the factory for operation with the right hand. If preferred, or required by available space, the pump and bowl may be rotated 180 degrees to provide left hand operation. To do this, remove hose from inlet elbow (back of bowl) and rotate elbow 180 degrees. It may be necessary to remove the elbow, loosen spud retaining nut and rotate the spud fitting so elbow will be tight when pointing in the opposite direction. Remove, rotate 180 degrees and reinstall both the bowl and pump assembly. Reconnect hose to inlet elbow and the toilet is ready for left hand operation.

The toilet must be installed on a well supported flat surface. Ideally, if underside of mounting surface is accessible, the toilet base should be through-bolted (using 5/16" bolts, washers and locknuts) to the mounting surface. If the underside of mounting surface is not accessible, the use of 5/16" lag bolts and washers is an acceptable alternative.

Before installing, position toilet in location to be installed. Ensure there is adequate space around toilet to easily operate pump and raise seat and lid to a fully opened position. Seat and lid should swing open at least 110 degrees and be supported when open to avoid strain on hinges. Ensure the base drain plug is accessible and inlet and discharge hoses can be attached to their respective ports without inducing significant lateral force. The discharge elbow may be rotated (by loosening two flange screws, rotating elbow and retightening screws) to accept the most convenient routing of the discharge hose.

When proper installation has been established mark the four base mounting holes on mounting surface and remove toilet. Ensure that no wiring or plumbing is positioned under the mounting surface which may be accidentally damaged when the surface is drilled. Drill appropriate size holes for fasteners being used. Mount toilet using flat washers between head of bolts and plastic toilet base. If desired a small bead of silicone or latex sealant may be applied around base where it contacts the mounting surface to prevent moisture from getting under the toilet base.

NOTICE: Do not use Polysulfide base sealants because they may chemically attack the plastic which can result in breakage.

Plumbing

If installing a new inlet thru-hull/seacock, ensure that it is positioned on a part of the hull which is wetted at all angles of heel or trim and free of water turbulence at any hull speed. If discharging waste overboard (check legal restrictions for overboard dishcarge), ensure discharge thru-hull/seacock is both aft of and higher than the inlet thru-hull/seacock. All inlet plumbing should be a minimum of 3/4" ID and discharge plumbing a minimum of 1/2" ID. All hose ends should be double clamped with stainless steel hose clamps.

If toilet is above waterline route hoses to seasocks, holding tank or treatment device via a route as direct as possible. However, for maximum sealing effect on the discharge joker valve, it is recommended that the discharge hose is looped upward about 8" above the discharge elbow before it descends to its termination point. All bends and elbows in plumbing should be kept to a minimum. It should not be necessary to use any sealing compound when attaching hoses to the inlet or discharge ports.

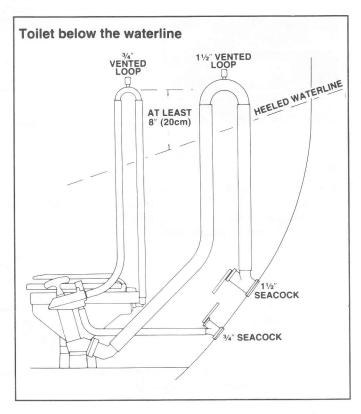


Hazard of flooding. If toilet is installed below the waterline, it must be installed with properly positioned vented loops. Failure to do so may result in flooding which can cause loss of property and life.

If toilet is below waterline, a 3/4" vented loop must be installed in a length of hose connecting the flushing pump to the rear of the bowl. The vented loop fitting must be positioned 8" above the waterline at all angles of heel or trim. To accomplish this remove the 3/4" hose supplied with toilet and replace with a new length of hose long enough to properly position the vented loop. If the toilet is plumbed for overboard discharge, a 11/2" vented loop must be installed in the discharge hose. The waste vented loop fitting must also be positioned 8" above the waterline at all angles of heel or trim and ideally should be located as close to the toilet as practical.



HAZARD OF FLOODING. CLOSE INLET AND OUTLET SEACOCKS PRIOR TO DISASSEMBLING TOILET. FAILURE TO DO SO CAN CAUSE FLOODING WHICH MAY RESULT IN PROPERTY DAMAGE OR LOSS OF PROPERTY AND LIFE.



If unfamiliar with proper plumbing requirements for marine toilets, it is recommended that a qualified marine plumbing technician is contacted to do the installation.

MAINTENANCE/SERVICE INSTRUCTIONS

Maintenance

Periodic maintenance is generally not required; however, after long periods of non-use, the toilet may be easier to operate if lubricated. To do this, fill bowl half-way with warm water and add a few drops of mineral oil or baby oil. With the wet/dry bowl selector in the dry bowl position, empty bowl using long complete strokes. To winterize toilet, operate the pump in the dry bowl mode to evacuate as much water as possible. Drain the remaining water from the base by removing the base plug.

If charging the holding tank with anti-freeze by pumping it through the toilet, use only ethylene glycol based anti-freeze. To use petroleum based anti-freeze may cause damage to the internal rubber toilet parts.

Service

Before performing any service flush the toilet long enough to ensure all waste is flushed from the discharge hose. Close both inlet and discharge (if applicable) seacocks and put a "DO NOT OPEN" notice on each to guard against accidental opening and flooding while service is being performed.

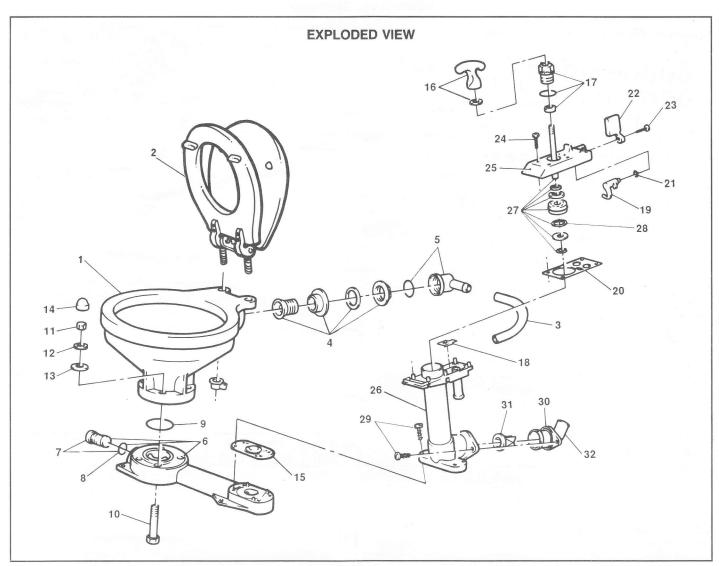
SEAL REPLACEMENT — Lift handle and wrap rod with one turn of tape just under the handle. Gently grasp piston rod (on tape) with pliers and unscrew handle. HOLD PISTON ROD AT ALL TIMES OR IT MAY DROP DOWN INTO PUMP. Remove bumper washer and unscrew and remove seal/rod guide assembly. Wrap threads of piston rod with one turn of tape to protect new seal and install new seal/rod guide assembly. Remove tape from threads and reinstall bumper washer and handle. Tighten handle snuggly (do not overtighten) and remove remaining tape.

MAJOR OVERHAUL – Loosen hose clamps on inlet hose and remove it from the pump. Remove bowl link hose from rear of pump assembly. Remove the two screws that secure the discharge

flange and elbow. Remove the four screws that secure the pump to the base and remove pump assembly. The discharge joker valve and base valve/gasket can now be removed. Remove the six screws that secure the top valve cover, move the wet/dry bowl selector to the wet bowl position and remove valve cover and piston rod assembly from pump cylinder. Remove top valve/gasket assembly and valve seat. Remove piston O-Ring and seal/rod guide assembly (see Seal Replacement instructions). Clean all parts and inspect for damage. Ensure pump cylinder wall is not badly grooved or worn.

Install new seal/rod guide assembly (see Seal Replacement instructions). Install new piston O-Ring. Lubricate bore of pump cylinder with petroleum jelly. Position valve seat and top valve/gasket assembly on top of cylinder. With the wet/dry bowl selector in the wet bowl position, insert piston into cylinder bore and position valve cover on top of cylinder. Secure with six screws. Install joker valve in discharge elbow and base valve/gasket assembly on base. Position discharge flange and elbow on pump and secure with two screws. Position pump assembly on base and secure with four screws. Reattach bowl link hose to pump. Reattach inlet hose to pump and secure with clamps.

BOWL SEAL REPACEMENT — To replace the bowl seal (base O-Ring) disconnect inlet and discharge hoses and remove toilet from its mounting surface. Pry nut caps from bowl fasteners. Invert toilet and hold bolts on underside of base while removing nuts and washers. Lift base from bowl and remove O-Ring. Install new O-Ring, position base on bowl and resecure with fasteners ensuring plastic washers are sandwiched between S.S. flat washers and ceramic bowl. Invert toilet and snap plastic nut caps onto nuts. Reinstall toilet on mounting surface, connect hoses and secure with hose clamps.



REPAIR KITS AVAILABLE

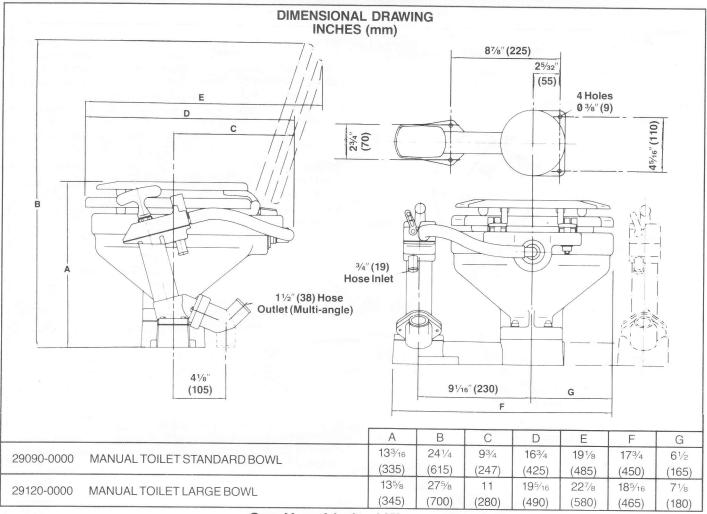
KIT	PART NO.	DESCRIPTION
Α	29045-0000	MAJOR SERVICE KIT, PUMP
В	29040-1000	PUMP ASSEMBLY
С	29094-0000	VALVE COVER ASSEMBLY
D	29051-0000	PUMP CYLINDER ASSEMBLY
Е	29047-0000	BOWL INSTALLATION KIT

PARTS LIST

	QTY		QTY. PE	R PART	QTY. PER REPAIR KIT				
KEY	DESCRIPTION		TOILET	NO.	Α	В	С	DE	
1	BOWL	COMPACT LARGE	1	59127-7002 18753-0060					
2	SEAT, LID & HINGE SET		1	18753-0437 18753-0438					
3	HOSE	COMPACT LARGE	1	29035-0000 29035-0001					
4 5	BOWL SPUD INTAKE ELBOW	/ & O-RING	1 }	29048-0000					
6	BASE, PLUG &	O-RING ASSY	1	29041-1000					
7	PLUG & O-RIN	G ASSY	1	29028-1000					
8	O-RING (PLUG)		1		1				
9	O-RING (BOWL)	1		1			1	
10	BOLT		4					4	
11	NUT		4					4	
12	WASHER (SS)		4					4	

PARTS LIST

KEY	DESCRIPTION	QTY. PER	PART	QTY. PER REPAIR KIT				
		TOILET	NO.	A	В	C	D	E
13	WASHER (NYLON)	4						4
14	CAP	4		2				4
15	BASE VALVE GASKET	1	29043-0000	1	1			
16	HANDLE WITH BUMPER WASHER	1	29026-0000	1	1			
17	SEAL ASSEMBLY	1	29044-0000	1	1	1		Ī
18	TOP VALVE SEAT	1		1	1		1	
19	CAM	1			1	1		
20	TOP VALVE GASKET	1	29042-0000	1	1			Ī
21	O-RING (FLUSH LEVER)	1		1	1	1		
22	FLUSH CONTROL LEVER	1			1	1		
23	SCREW (FLUSH LEVER)	1		1	1	1		
24	SCREW (VALVE COVER)	6		1	6	6		
25	VALVE COVER	1			1	1		
26	PUMP CYLINDER	1			1		1	
27	PISTON, ROD & O-RING ASSY	1	29046-0000		1			
28	O-RING (PISTON)	1	29017-1000	1				
29	SCREW (PUMP CYLINDER)	6		1	2		2	
30	DISCHARGE FLANGE	1	29091-0000		1		1	
31	JOKER VALVE	1	29092-0000	1	1		1	I
32	DISCHARGE ELBOW	1	29029-0000		1		1	Ī



One Year Limited Warranty

A. LIMITED WARRANTY: ITT warrants that at the time of shipment, the products manufactured by ITT and sold hereunder shall be in conformity with applicable written specifications and descriptions referred to or set forth herein, free from defects in material and workmanship, merchantable, and suitable for a particular purpose, provided such is implied by State law under the circumstances of this sale.

B. WARRANTY ADJUSTMENT:

- ITT agrees to repair or furnish a replacement for, but not to remove or install, any
 product or component thereof which, within one (1) year from date of purchase,
 shall upon test and examination by ITT prove defective within the above warranty.
 Receipt verifying purchase date is required to obtain adjustment.
- Buyer shall notify ITT of any defect within this warranty no later than ninety (90) days after the defect is discovered.
- 3. No product will be accepted for return or replacement without the prior written authorization of ITT. Upon such authorization, and in accordance with instructions from ITT, the product will be returned to ITT, shipping charges prepaid by Buyer. Products returned to ITT will be addressed as follows:

ITT JABSCO 1485 Dale Way Costa Mesa, California 92626-3998

Or to such alternate locations as may be designated on the product, its container, or this sheet.

Repair or replacement made under this warranty will be shipped prepaid to Buyer.

C. EXCLUSIONS FROM WARRANTY AND LIMITATION OF LIABILITY:

 The foregoing warranty is limited solely as set forth herein and applies only for the period designated above.

- 2. ITT SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE, SPECIAL OR CONSE-QUENTIAL DAMAGE OF ANY KIND, WHETHER BASED UPON WARRANTY, CONTRACT, NEGLIGENCE, OR STRICT LIABILITY ARISING IN CONNEC-TION WITH THE SALE, USE, OR REPAIR OF THE PRODUCT.
- 3. THE MAXIMUM LIABILITY OF ITT IN CONNECTION WITH THIS WARRANTY SHALL NOT IN ANY CASE EXCEED THE CONTRACT PRICE FOR THE PRODUCT CLAIMED TO BE DEFECTIVE OR UNSUITABLE.
- This warranty does not extend to any product manufactured by ITT which has been subjected to misuse, neglect, accident, improper installation, or use in violation of instructions furnished by ITT.
- 5. This warranty does not extend to or apply to any unit which has been repaired or altered at any place other than ITT's factory, or by persons not expressly approved by ITT, nor to any unit the serial number, model number, or identification of which has been removed, defaced or changed.
- Components manufactured by any supplier other than ITT shall bear only that warranty made by the manufacturer of that product.
- This warranty applies to products defined as "consumer products" by the Consumer Product Warranties Act as from time to time amended.
- **D. CONSUMER RIGHTS:** This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow exclusion or limitation of damages.

STANDARD WARRANTY: If the products manufactured and sold hereunder are not Consumer Products, the warranty extended to Buyer shall be as set forth in subparagraphs (A), (B), and (C), EXCEPT THAT ALL EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE ARE EXCLUDED.

Trim Jabsco

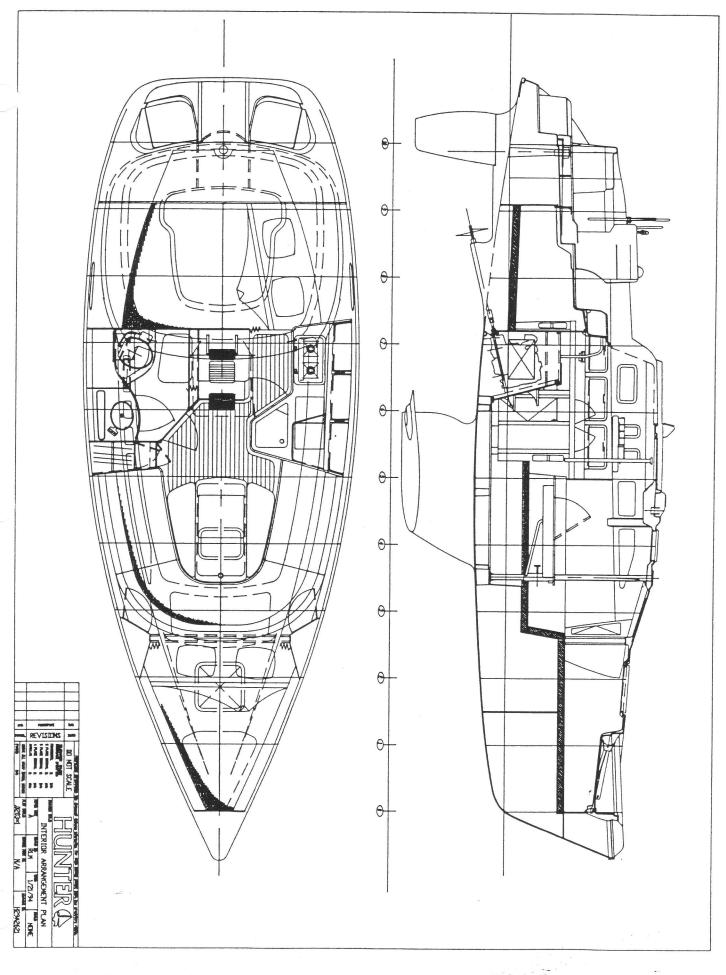
ITT Fluid Technology Corporation

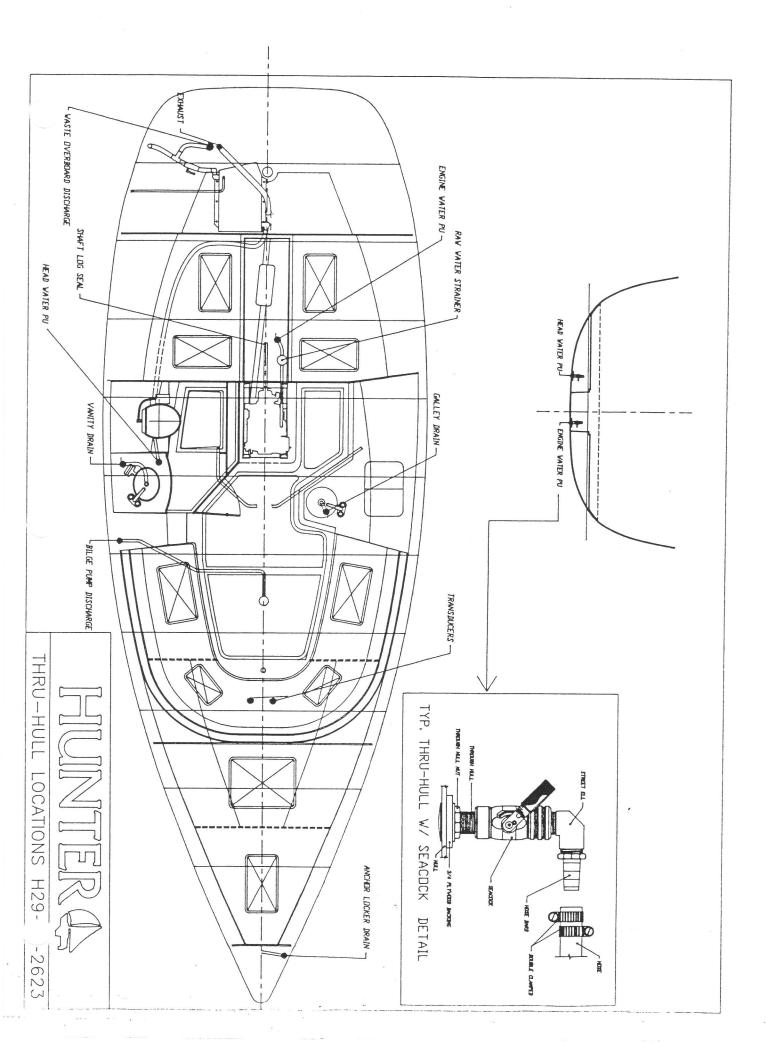
Rev. 10/93

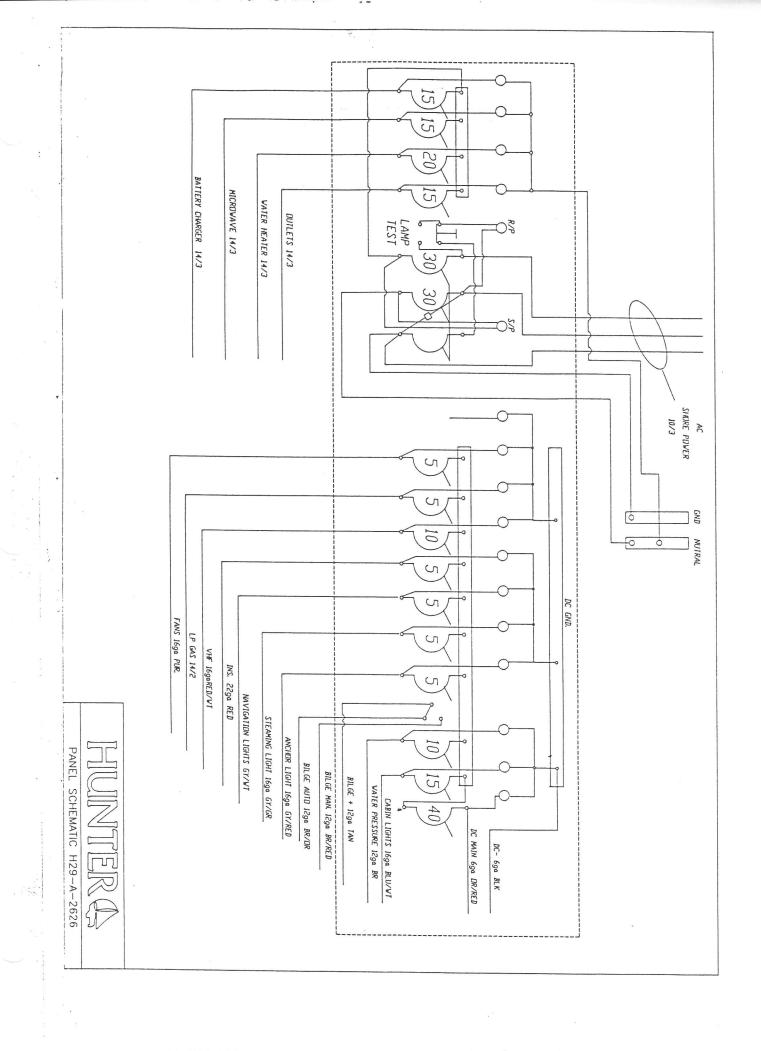
1485 Dale Way, P.O. Box 2158, Costa Mesa, CA 92628-2158
Tel: (714) 545-8251; Fax: (714) 957-0609

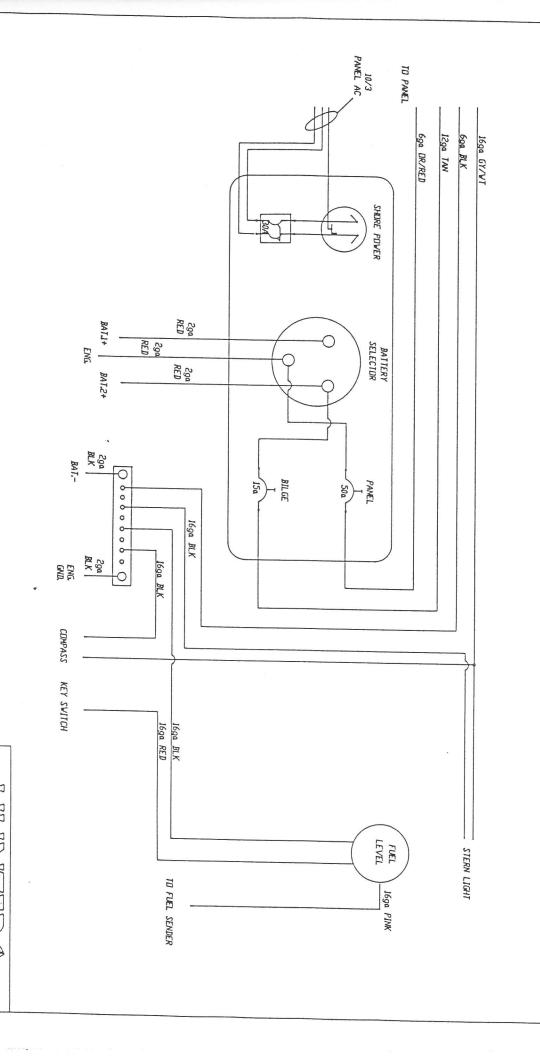
Bingley Road, Hoddesdon, Hertfordshire EN11 OBU England Tel: 0992-467191; Tlx: 263251 G; Fax: 0992-467132

Form: 43000-0487

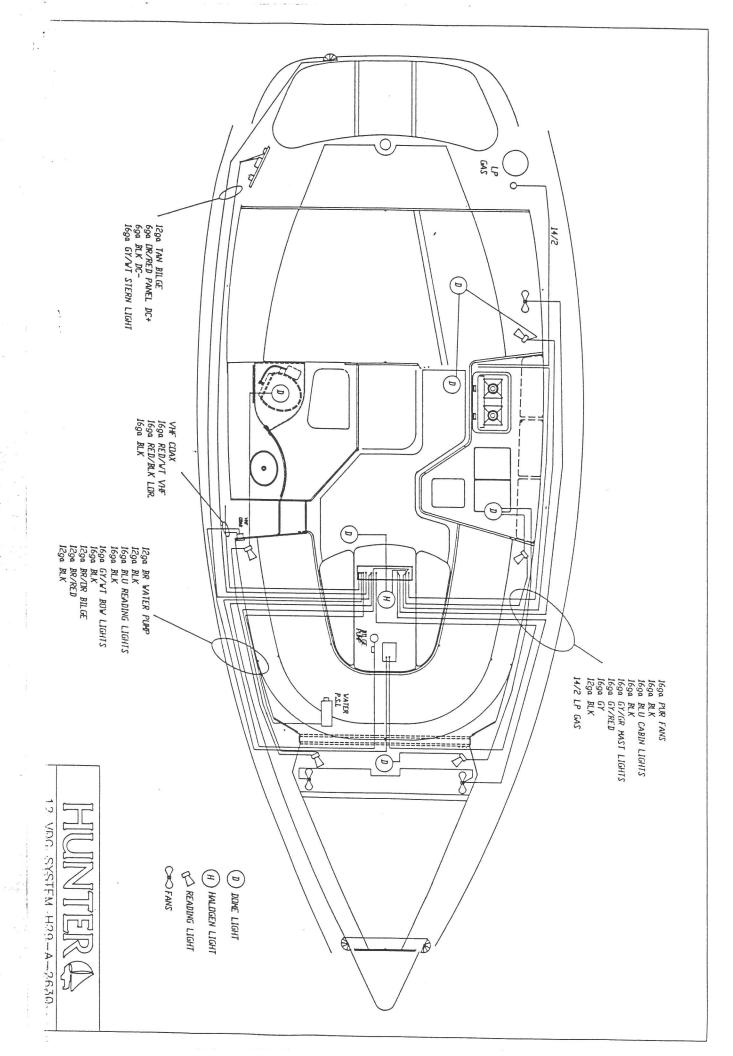


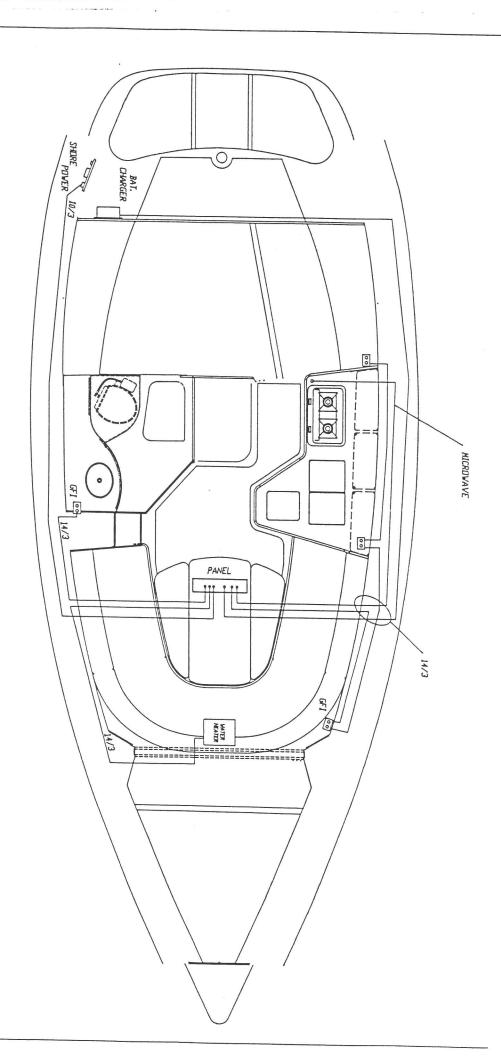




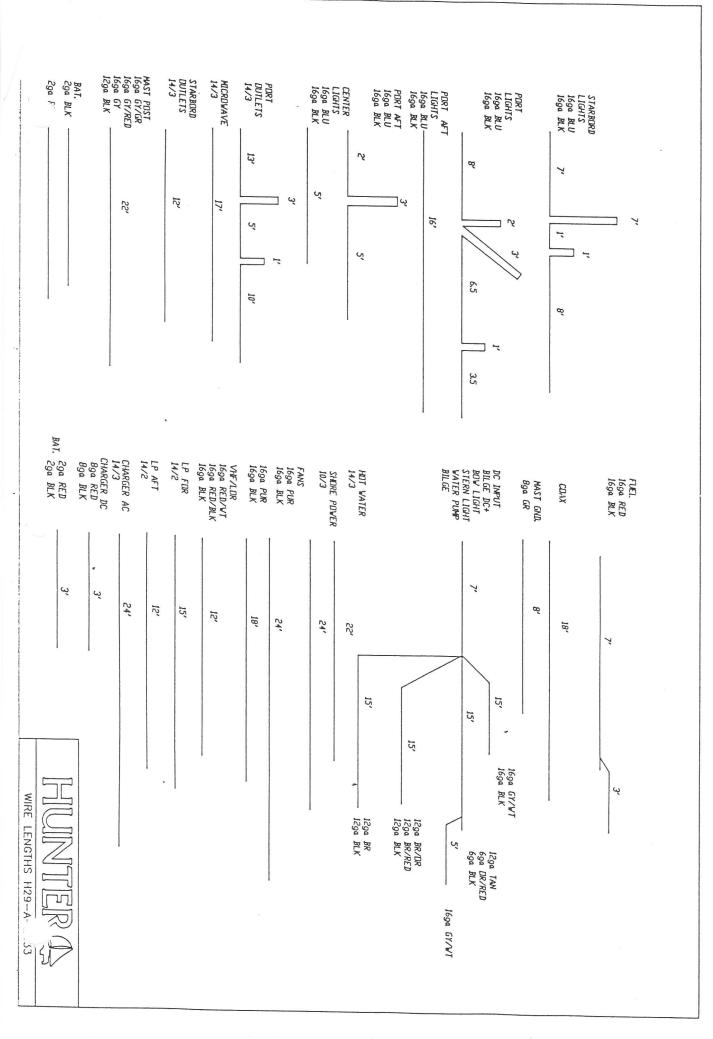


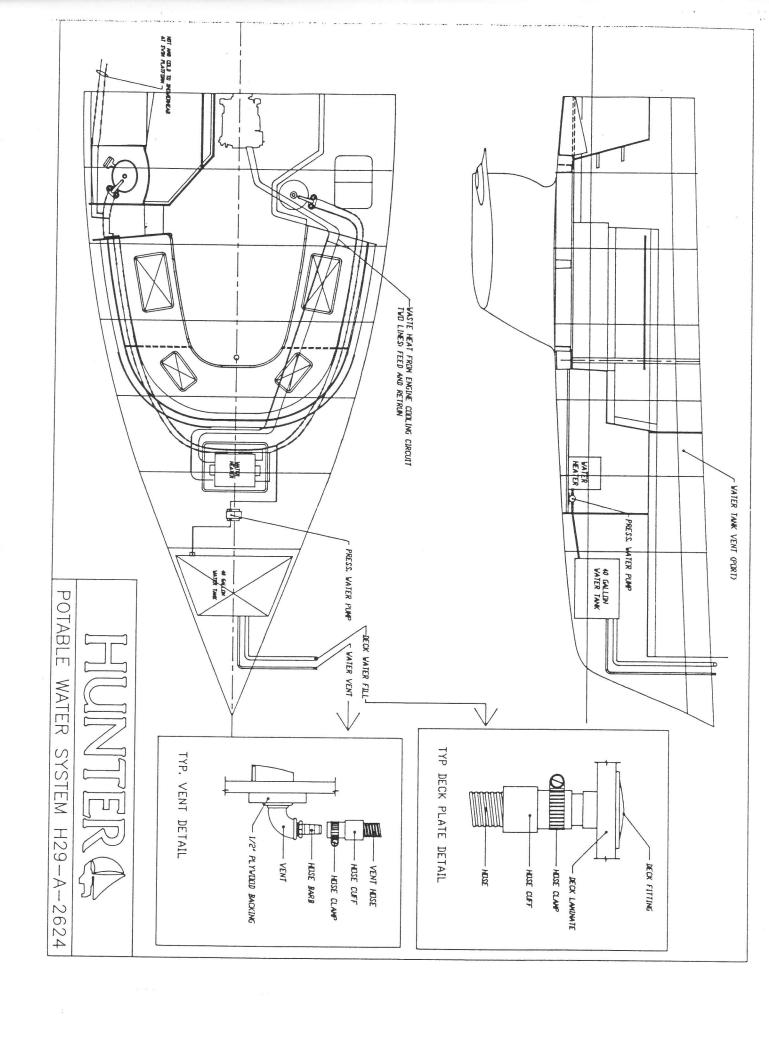
BATTERY SWITCH & -SHORE POWER H29-A-26291.

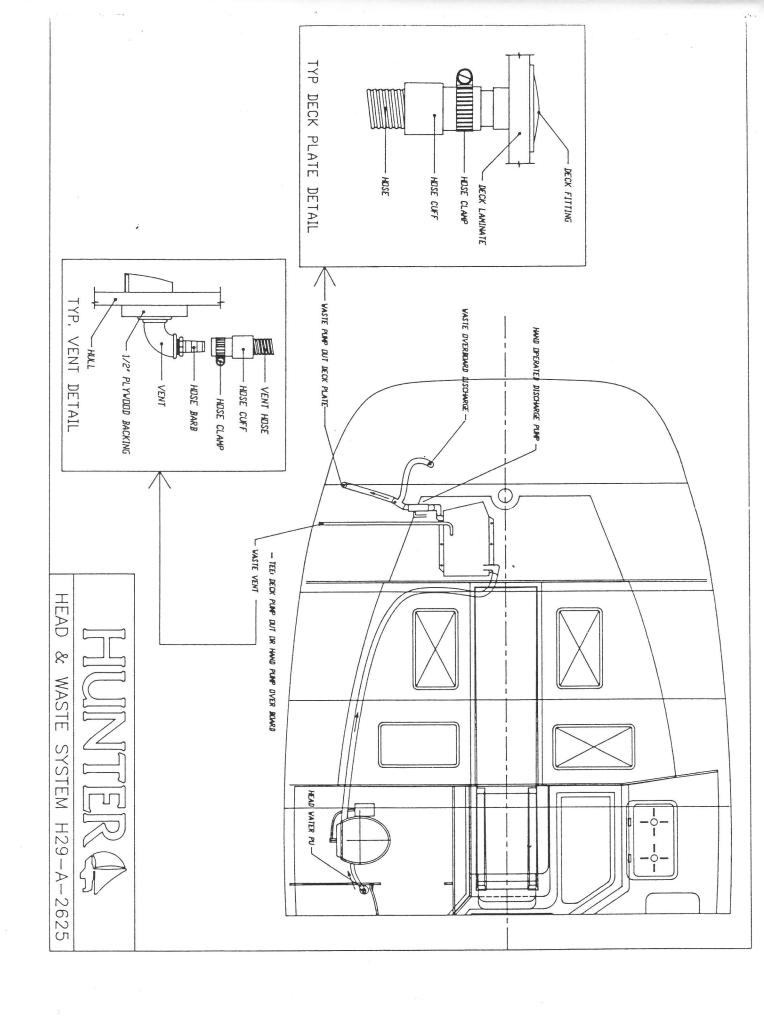


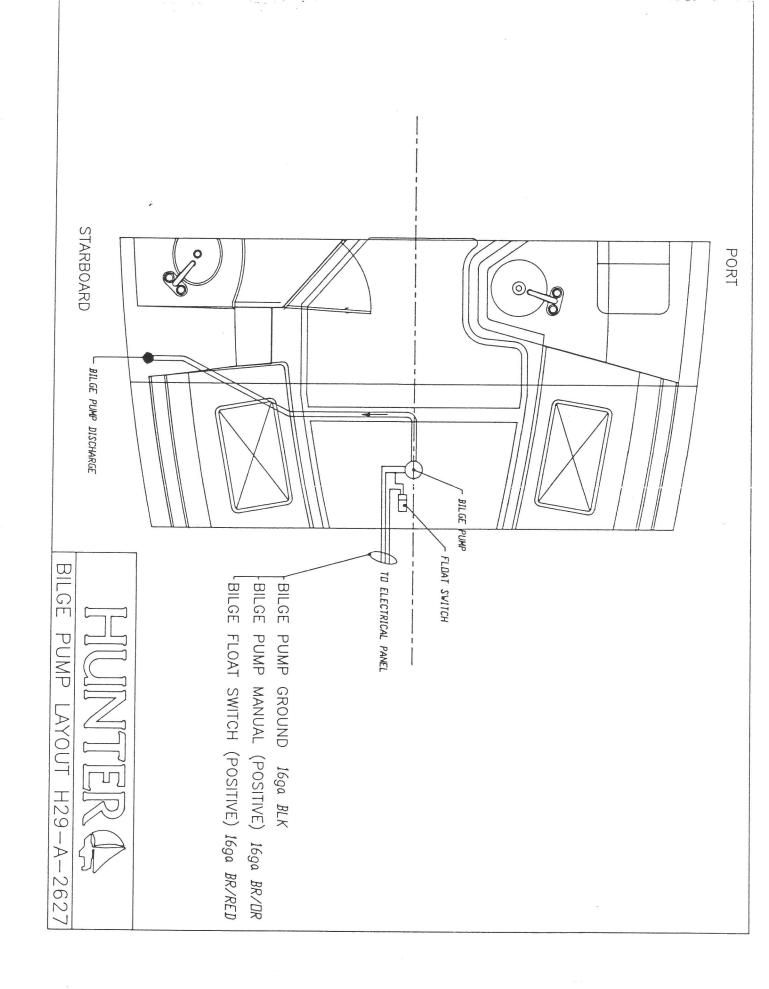


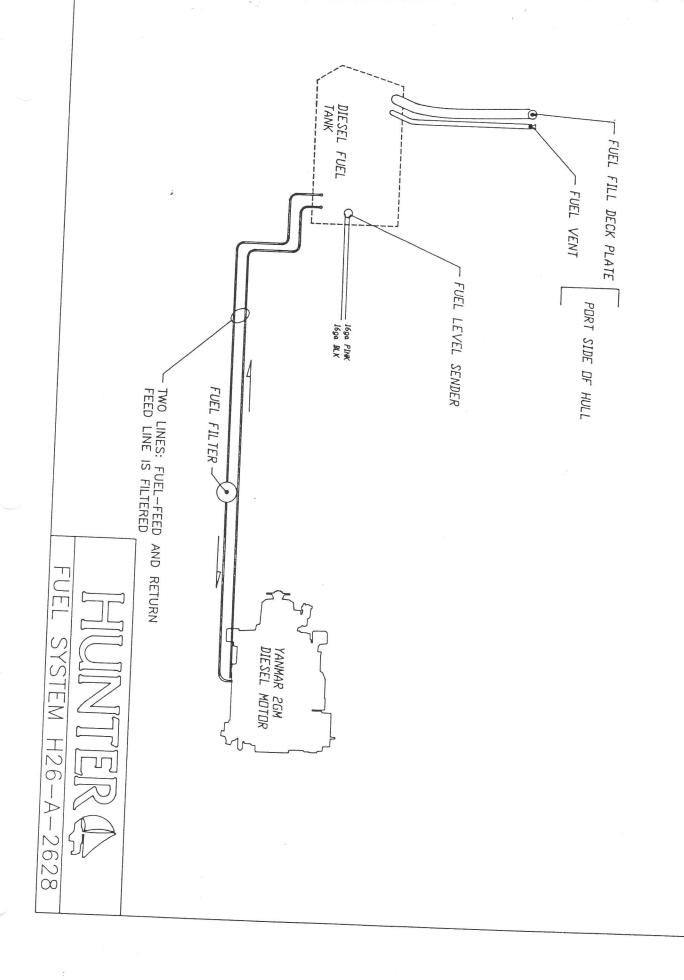
110 VAC SYSTEM H29-A-2631











HUNTER 29.5 - Pumps, Strainers and Filters

COMPONENT

MANUFACTURER AND PART NUMBER

Bilge pump

Rule 800 or Mayfair 800

Water pump

ITT Jabsco Flo-Jet 4405-143-C

Water strainer

ITT Jabsco 364000-1010

Engine strainer

1/2" Perko 493-004 PLB

Fuel filter

Racor 110

15 X 12 2 BLD PROP PART II LG0255 I' X 48" AQUMET 19 SHALL

H29.5 FRP SHAFT LOG H29- -2634

HUNTER

TURN FRP TUBE FUR 1.375 CUTLESS BEARING PRESS FIF

1' X 1.375' X 4' CUTLLSS III AKING

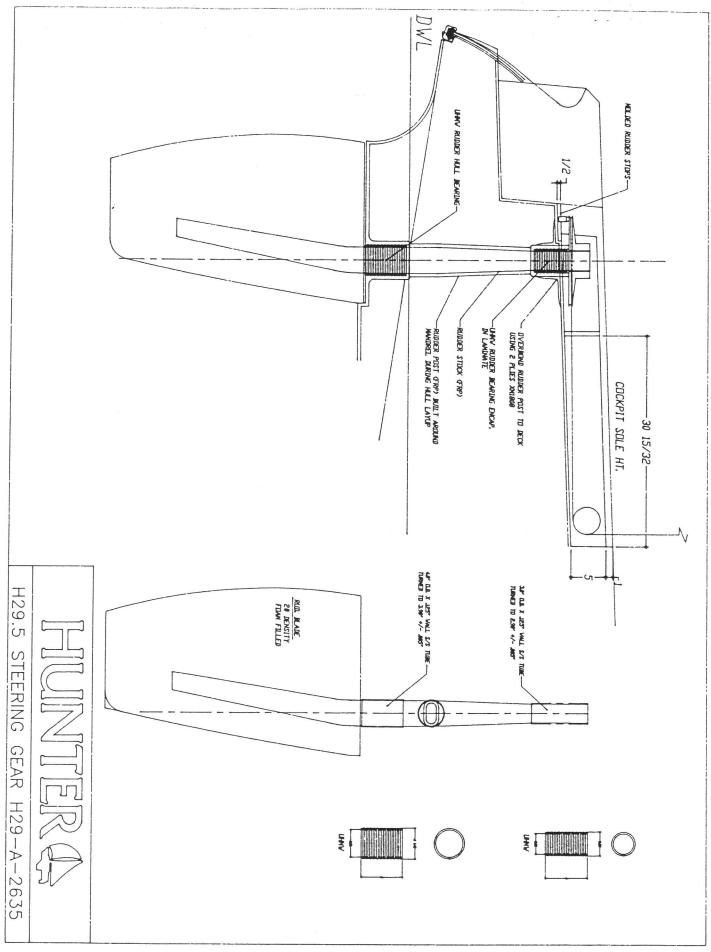
FOR LUBRICATING CULLESS HEARING

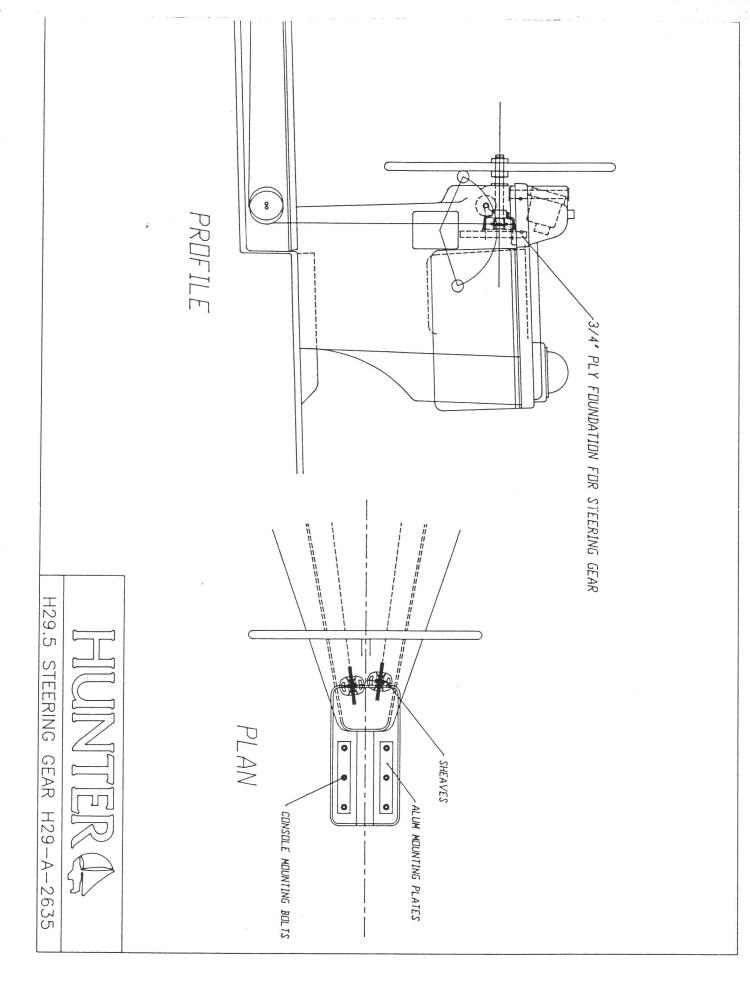
3/16 ALLEN SET SOREY (2)

LORY LD X LZS' LLD FRE TUBE

MALL THE ASSET BARL II HA PLA

170





HUNTER 29.5 LIGHT BULB SPECIFICATION

Your Hunter 29.5 has 12 interior lights, 3 navagation lights and 2 lights on the mast. Interior lights include: 5 swivel-reading lamps, 6 dome lights and 1 halogen light. Exterior lights include: 2 side lights on bow rail, 1 stern light, and 1 anchor/steaming light at top of mast.

LIGHT

REPLACEMENT BULB

Interior

Swivel

#1831 and Wagner #S8-1073

Dome

#1572 and Wagner #S8-1141

Halogen

#Aqua Signal #90400282

Exterior

Red bow

Osram 12V #6411, Phillips 12V #12866

Green bow

Same as above

Stern

Same as above

Anchor/Steaming

Perko #71 DP CLR