

Read This First!

240 Sundeck™
Owner's Manual
Supplement

Sea Ray®

INTRODUCTION & TABLE OF CONTENTS

This owner's manual supplement has been written to provide additional specific information about your boat and should be read carefully. Keep this booklet with the owner's manual in the owner's manual packet.

The owner's manual packet has been compiled to help you operate your craft with safety and pleasure. It contains details of the craft, the equipment supplied or fitted, its systems and information on its operation and maintenance. Please read the information in it carefully and familiarize yourself with the craft before using it.

If this is your first craft, or you are changing to a type of craft you are not familiar with, for your own comfort and safety, please ensure that you obtain handling and operating experience before "assuming command" of the craft. Your dealer or yacht club will be pleased to advise you of local sea schools or competent instructors.

PLEASE KEEP THIS OWNER'S MANUAL PACKET IN A SECURE PLACE AND HAND IT OVER TO THE NEW OWNER WHEN YOU SELL THE CRAFT.

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(This Owner's Manual Supplement contains 23 pages.)

Information in this publication is based upon the latest product specifications available at printing. Sea Ray Boats, Inc. reserves the right to make changes at any time, without notice, in the colors, equipment, specifications, materials and prices of all models, or to discontinue models. Should changes in production models be made, Sea Ray® is not obligated to make similar changes or modifications to models sold prior to the date of such changes.

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Sea Ray® 

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Sea Ray Boats, Inc. 2600 Sea Ray Blvd., Knoxville, TN 37914.

For information call 1-800-SRBOATS, or fax 1-800-755-2890. Sea Ray international fax 404-817-2242.

Internet address: <http://www.searay.com/boats>

Note: Not all accessories shown in pictures or described herein are standard equipment or even available as options.

Options and features are subject to change without notice.

WARRANTY INFORMATION

Sea Ray's® warranty is better than ever. Find the warranty information card in your owner's manual packet for complete details. If for some reason the card is missing, contact your Sea Ray® dealer for a new one.

CONSTRUCTION STANDARDS

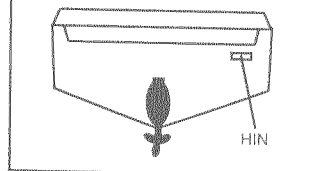
Sea Ray's® commitment - Excellence by Design - has enabled us to create a superior craft providing you with comfort, performance, safety and dependability. All our boats comply with the safety standards set by the United States Coast Guard and are designed, engineered and manufactured in accordance with applicable recommendations and guidelines of the American Boat and Yacht Council (ABYC) certified by the National Marine Manufacturers Association (NMMA).

HULL IDENTIFICATION NUMBER (HIN)

The "Hull Identification Number," located on the starboard side of the transom, is the most important identifying factor and must be included in all correspondence and orders. Failure to include it only creates delays. Also of vital

importance are the engine serial numbers and part numbers when writing about or ordering parts for your engine. Refer to the engine owner's manual for locations.

HIN Location



SERVICING YOUR SEA RAY®

When your boat needs service beyond regular maintenance it should be taken to an authorized Sea Ray® dealer.

To find a dealer in your area call:

1-800-SRBOATS.

Fax: 1-800-755-2890 Domestic

Fax: 1-800-817-2242 International

If a problem is not handled to your satisfaction:

1. Discuss any warranty-related problems directly with the service manager of the dealership or your sales person. Give the dealer an opportunity to help the service department resolve the matter for you.
2. If a problem arises that has not been resolved to your satisfaction by your dealer, contact Sea Ray Boats at 1-800-SRBOATS and the appropriate customer service department information will be provided to you.

OWNER'S MANUAL PACKET CONTENTS

	Sea Ray® Owner's Manual	Sea Ray® Owner's Manual Supplement	Sea Ray® Specification Sheet	Sea Ray® Parts Manual	Engine Operator's Manual	Original Equipment Manuals	Owner's Packet Insert
Accident Reporting	X				X	X	X
Alarms					X		
AM/FM Cassette Stereo						X	
Anchoring	X	X	X				X
Battery	X	X			X	X	
Bilge Blower				X			
Bilge Layout	X	X		X		X	
Bilge Pump	X	X		X		X	
Canvas	X			X		X	
Capacity Plate	X			X			
Carbon Monoxide	X						
Certifications		X	X				
Cleaning	X					X	
Cockpit				X			
Communication Equipment	X					X	
Compass	X					X	
Console				X			
Construction Standards		X					
Controls	X			X		X	
Decals				X			
Depth Finder						X	
Dimensions		X	X				
Drains (Through Hull Fittings)		X					
Education	X						

OWNER'S MANUAL PACKET CONTENTS

	Sea Ray® Owner's Manual	Sea Ray® Owner's Manual Supplement	Sea Ray® Specification Sheet	Sea Ray® Parts Manual	Engine Operator's Manual	Original Equipment Manuals	Owner's Packet Insert
Electrical System	X	X		X			
Electrolysis	X						
Emergency Engine Shutdown	X				X		
Emergency Procedures	X						
Engine					X		
Environmental Considerations	X						
Equipment:							
• Recommended	X						
• Required	X						X
• Standard			X				
• Optional			X				
Fire	X						
Fire Suppression Equipment	X	X				X	X
Flame Arrestor					X		X
Flooding, Swamping	X						
Fuel System	X			X	X		
Gauges	X	X		X			
Gear Shift	X			X	X		
Graphics				X			
Head System							
Homologations (International)		X					
Hotlines	X					X	X
Identification Numbers	X	X					

OWNER'S MANUAL PACKET CONTENTS

	Sea Ray® Owner's Manual	Sea Ray® Owner's Manual Supplement	Sea Ray® Specification Sheet	Sea Ray® Parts Manual	Engine Operator's Manual	Original Equipment Manuals	Owner's Packet Insert
Ignition	X				X		
Ignition Protection	X				X		
Impaired Operation	X						X
Instrument Use & Operation	X					X	
Layout		X	X	X			
Lifesaving Equipment	X						X
Lifting	X	X					
Lightning Protection	X						
Lights	X	X		X			
Load Capacity	X	X					
Maintenance	X				X	X	
Maneuvering	X						X
Monitors						X	
Nautical Terms	X						
Navigation	X						X
Operation	X						
Optional Systems			X			X	
Personal Flotation Devices (PFDs)	X					X	X
Power Capacity		X					
Powertrain	X				X		
Propeller	X	X					
Propulsion					X		
Registration	X						X
Safety	X					X	X

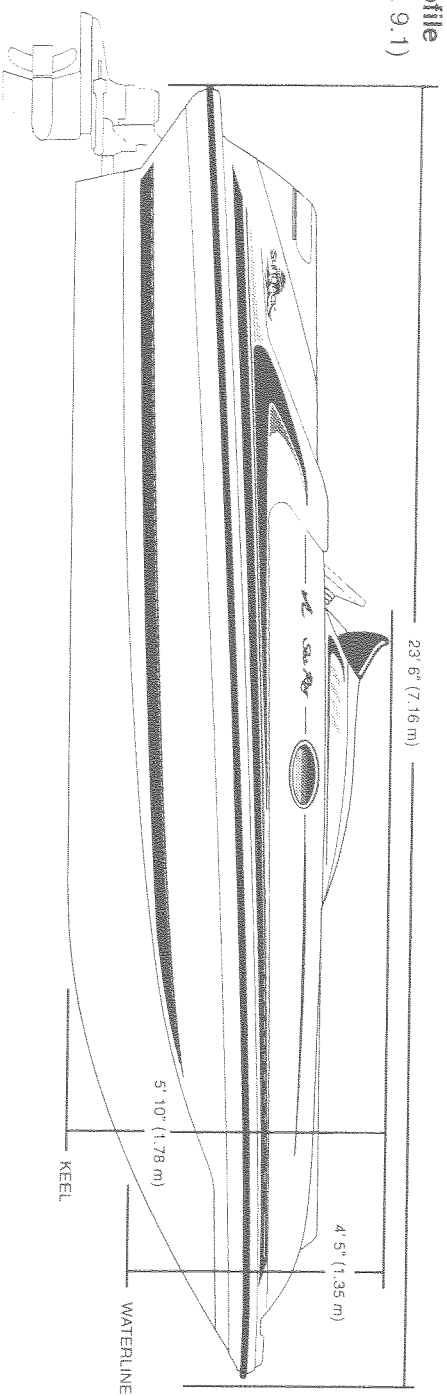
OWNER'S MANUAL PACKET CONTENTS

	Sea Ray® Owner's Manual	Sea Ray® Owner's Manual Supplement	Sea Ray® Specification Sheet	Sea Ray® Parts Manual	Engine Operator's Manual	Original Equipment Manuals	Owner's Packet Insert
Seating		X					
Seaworthiness Inspection	X						
Service Schedule					X		X
Spare Parts				X			
Specifications		X	X				
Stability	X						
Start-In-Gear Protection	X						
Steering	X	X		X			
Symbols	X	X					
Switches		X					
Tank Capacities		X	X				
Throttle	X				X		
Through-Hull Fittings		X					
Trim Tabs	X	X		X			
Troubleshooting	X				X		X
Upholstery	X			X			
Ventilation	X	X		X			
Warning Labels	X			X			
Warranty		X					X

To replace any material from the Owner's Manual Packet, contact your Sea Ray® dealer.

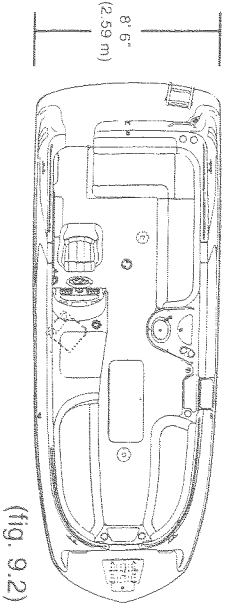
GENERAL ARRANGEMENTS & DIMENSIONS

Profile
(fig. 9.1)



SPECIFICATIONS

Overall Length	23' 6" (7.16 m)
Beam	8' 6" (2.59 m)
Draft (Stern Drive Down)	36" (91.4 cm)
Draft (Stern Drive Up)	20" (50.8 cm)
Dry Weight (lbs.)	3,750 (1,701 kg)
Fuel Capacity (Gallons)	65 (246 liters)
Usable Fuel (Gallons)	61.7 (97 liters)
Water Capacity (Gallons)	20 (75.7 liters)
Dead Rise	18°

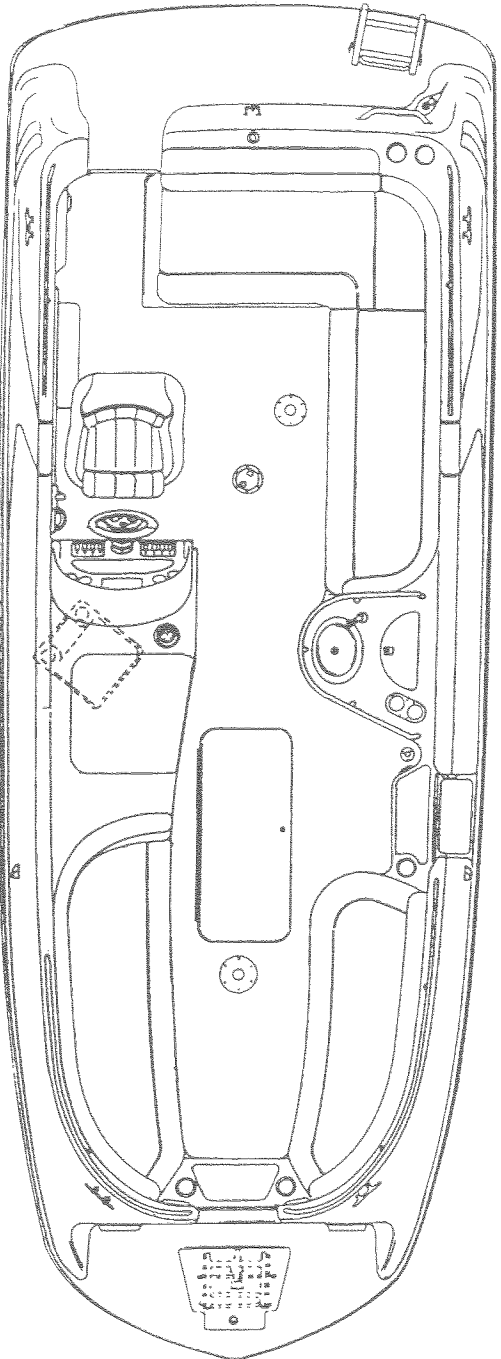


HEIGHT DIMENSIONS

Waterline To Top Of Dash Visor .	4' 5" (1.35 m)
Keel To Top Of Dash Visor	5' 10" (1.78 m)

The specification measurements and locations are approximations and subject to variance.

SEATING PLAN OPTIONS (INTERIOR PLAN)



240 SUNDECK SEATING PLAN
(Swivel Bucket Helm Seat, Forward Bench Seats, Hi-Lo Dinette Table
w/Filter Cushions, Aft L-Shaped Bench Seat)
(fig. 10.1)

The specification measurements and features are approximations and subject to variance.

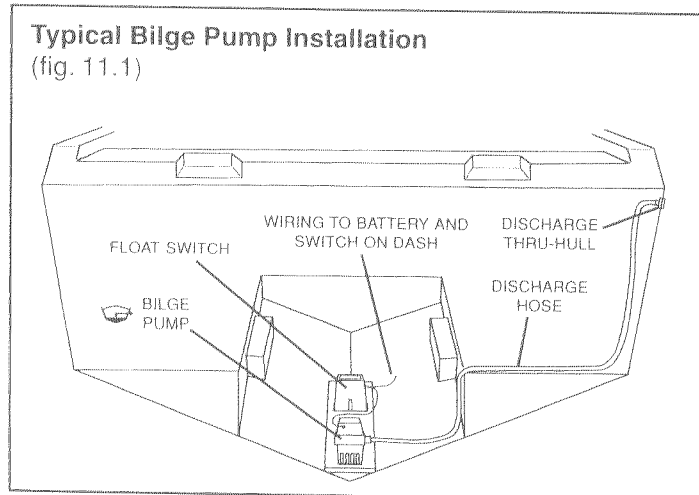
BILGE PUMPING SYSTEM



The 240 SD is equipped with an automatic bilge pump system.

REFER TO THE OWNER'S MANUAL AND OWNER'S PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

Typical Bilge Pump Installation
(fig. 11.1)



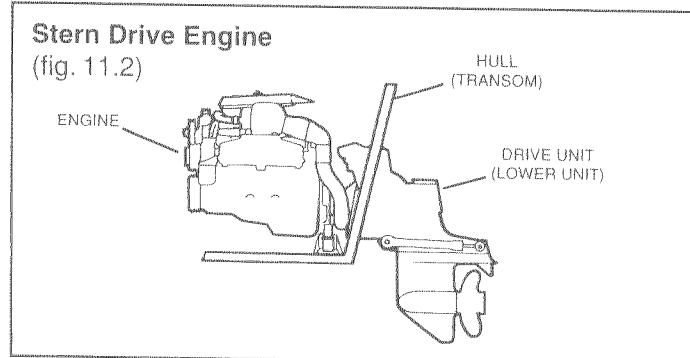
PROPULSION SYSTEM



The 240 SD is equipped with a stern drive type propulsion system also known as an inboard-outboard engine. This type of propulsion system has the engine secured to the hull's stringers at the aft end of the hull and covered by an engine box. The drive unit, also called the lower unit because it hangs below the hull, is the part of the propulsion system that attaches to the outside of the hull or transom. The drive unit pivots to steer the boat.

REFER TO THE OWNER'S MANUAL AND ENGINE OWNER'S MANUAL FOR OPERATING INSTRUCTIONS AND WARRANTY INFORMATION.

Stern Drive Engine
(fig. 11.2)



PROPELLERS

Your Sea Ray® has been equipped with a propeller which our tests have shown to be the best suited for general use under normal conditions and load. In some situations you may wish to change propellers to give your boat slightly different performance characteristics. In general, changing to a lower pitch propeller will increase acceleration and load-pulling ability, but with a slight decrease in top speed. Conversely, moving to a higher pitch propeller will attain higher top speed with a light load, but will sacrifice acceleration and power. Your particular requirements should be discussed with your Sea Ray® dealer. **Under no circumstances use a propeller which allows the engine to operate at higher than recommended RPM.**

FUEL SYSTEM

The 240 SD is equipped with a gasoline fuel system. A detailed drawing of the fuel system can be found in the *Parts Manual*. Fueling instructions and precautions can be found in the *Owner's Manual*.

EXHAUST SYSTEM

The 240 SD's exhaust system is an integral part of the propulsion system.

REFER TO THE ENGINE OWNER'S MANUAL FOR INSTRUCTIONS AND WARRANTY INFORMATION.

ENGINE COOLING SYSTEM

The engine cooling system is an integral part of the propulsion system.

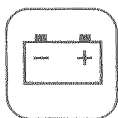
REFER TO THE ENGINE OWNER'S MANUAL FOR INSTRUCTIONS AND WARRANTY INFORMATION.

ELECTRICAL INSTALLATIONS

This owner's manual supplement contains electrical schematics for your boat. These electrical schematics were generated by technicians at the engineering division for technical reference and service technicians. Sea Ray® does not recommend that you attempt to work on the boat's

electrical system yourself. Instead we recommend that you take your boat to your authorized Sea Ray® dealer for service. Sea Ray® reserves the right to change or update the electrical system on any model at any time without notice to the consumer and is NOT obligated to make any updates to units built prior to changes.

BATTERY



Refer to the owner's manual for battery disconnect and maintenance. When replacing a battery, refer to your engine operation and maintenance manual to find the recommended battery for the engine installed in your boat.

Sea Ray® recommended batteries are available through your Sea Ray® dealer.

ALWAYS DISCONNECT BATTERY CABLES BEFORE DOING ANY WORK ON THE ENGINE'S ELECTRICAL SYSTEM OR ALTERNATOR WIRING TO PREVENT ARCING OR DAMAGE TO THE ALTERNATOR.

! CAUTION

While the engine is running, the battery terminal clamps must not be loosened or detached nor should the battery switch(es) be turned off, otherwise the alternator and other electronic units will be damaged.

! DANGER

- Never use an open flame in the battery storage area.
- Avoid striking sparks near the battery.
- A battery will explode if a flame or spark ignites the free hydrogen given off during charging.

VENTILATION SYSTEM / BILGE BLOWER

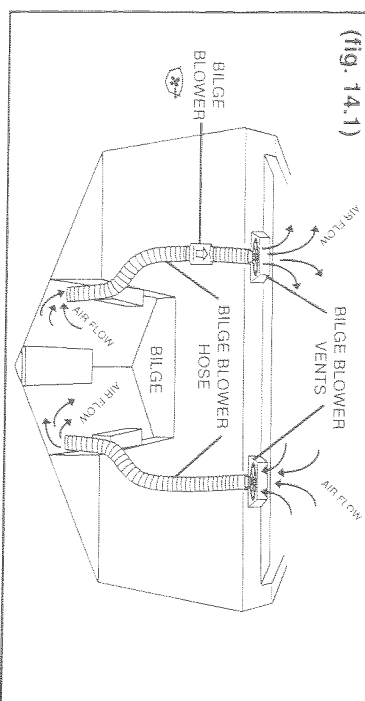


Sea Ray® Sport Boats are equipped with an electric bilge blower to remove fumes from the engine compartment and provide ventilation through the deck vents before starting the engine and when operating below cruising speeds. The bilge blower is located inside the port side of the transom. The bilge

blower switch is located on the dash switch panel.

REFER TO OWNER'S MANUAL AND OWNER'S PACKET FOR OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS.

Typical Bilge Blower Installation (fig. 14.1)



STEERING SYSTEM

The 240 SD is equipped with a power steering system.

REFER TO THE ORIGINAL EQUIPMENT MANUAL IN THE OWNER'S PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

FIRE EXTINGUISHING SYSTEM

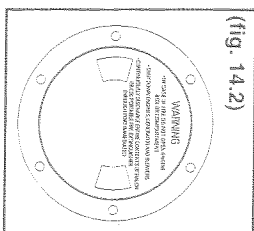
(Euro Option Only)

The 240 SD is offered with an optional automatic fire extinguishing system. If your boat is not equipped with this option, you must carry an approved fire extinguisher.

REFER TO THE OWNER'S MANUAL AND OWNER'S PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

FIRE EXTINGUISHER DISCHARGE PORT

(fig. 14.2)



Your sport boat is equipped with a fire extinguisher discharge port. This port is located on the motor box under the aft seat cushion. In the event of a fire, the access plate on the engine compartment can be removed to allow the operator to discharge a fire extinguisher into the engine compartment without having to open the engine box. Do not open the engine compartment immediately! This feeds oxygen to the fire and flashback could occur.

! WARNING

- In case of fire **DO NOT** open engine box or compartment.
- Shut down engines, generator and blowers.
- Continuously discharge entire contents of portable fire extinguisher through port immediately.

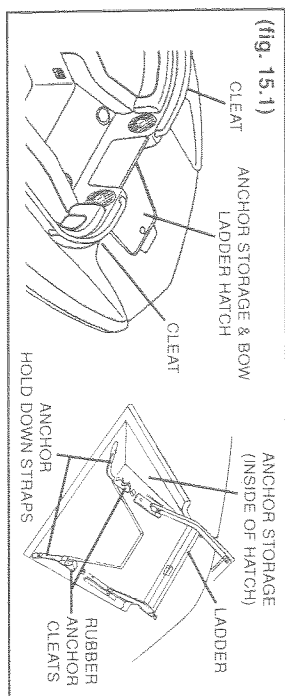
ANCHORING



To anchor, bring the bow into the wind or current and put the engine in neutral. When the vessel comes to a stop, lower, do not throw, the anchor over the bow. The anchor line should be 5 to 7 times the depth of water.

ANCHORING ARRANGEMENT

The 240 SD is equipped with an anchor storage hatch with an anchor storage cradle inside. Stow the anchor in the cradle when not in use. Note: Before using the anchor be sure the anchor line is secured to the boat — to the bow eye or bow cleat.



LIFE SAVING EQUIPMENT

(Personal Flotation Device (PFD))

STORAGE: The 240 SD offers storage in the cockpit liner ski storage compartment, under the port and starboard forward seats and under the port aft seat.

OPERATION: Wear PFD according to manufacturer recommendations. See pamphlet *Federal Requirements And Safety Tips For Recreational Boats* in the owner's packet or get one from your dealer.

MAINTENANCE: Rinse with fresh water and let dry thoroughly. Do not store in a damp compartment. Avoid the possibility of mildew.

STORAGE

WET STORAGE PROCEDURES: Special care for boats that are moored: If permanently moored in salt water or fresh water, your boat will collect marine growth on its bottom. This will detract from the boat's beauty and greatly affect its performance. There are two methods of preventing this:

- Periodically haul the boat out of the water and scrub the bottom with a bristle brush and a solution of soap and water.
- Paint the hull below the waterline with a good grade of antifouling paint. DO NOT paint the engine drive surfaces.

NOTE: There are EPA regulations regarding bottom paint application. Consult your marine paint dealer for proper application methods.

SECURITY CONSIDERATIONS: Be conscious of the security of your boat. Always remove the key from the ignition, store your boat in a secure place, put a lock on the trailer and, if location permits, chain your trailer to a pole or other permanently fixed object. Remove and stow any removable electronic gear (fishfinders, LORAN, etc.) and personal gear (fishing poles, skis, etc.) normally left aboard your boat.

TROUBLESHOOTING

List of Reference Manuals and Drawings

PERFORMANCE: Refer to the owner's manual.

ENGINE: Refer to the owner's manual and/or the engine manual.

ELECTRICAL: Refer to electrical section of the owner's manual and electrical schematics in this owner's manual supplement. Only a qualified marine electrical technician may service the boat's electrical system.

Repair and Parts Facilities

To find a Sea Ray® dealer in your area, call: Sea Ray®
Customer Service: 1-800-SRBOATS
FAX: 1-800-755-2890 Domestic
FAX: 1-404-817-2242 International

To find repair and parts facilities for equipment installed on your boat, refer to the original equipment manuals (OEMs) found in the owner's manual packet.

DOCKING / LIFTING / TRAILERING

CLEATS: Cleats must not be used for lifting the boat. They are intended for mooring use only.



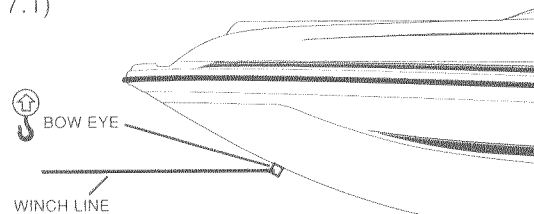
BOW AND STERN EYES: The bow eye should be used to haul the boat onto a trailer. The stern eyes should be used as tie down points for trailering the boat. The bow and stern eyes may be used for short term lifting of the boat such as for service. Long term lifting with the bow and stern eyes may cause stress on the fiberglass and gel coat.

For long term storage, use flat, wide belt-type slings and spreaders long enough to keep pressure from gunwales. Do not place slings where they may lift on underwater fittings.

REFER TO OWNER'S MANUAL.

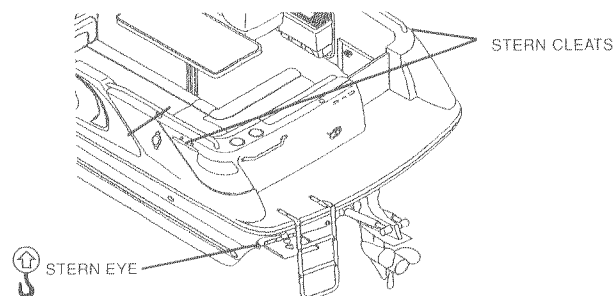
Bow Eye & Cleats

(fig. 17.1)

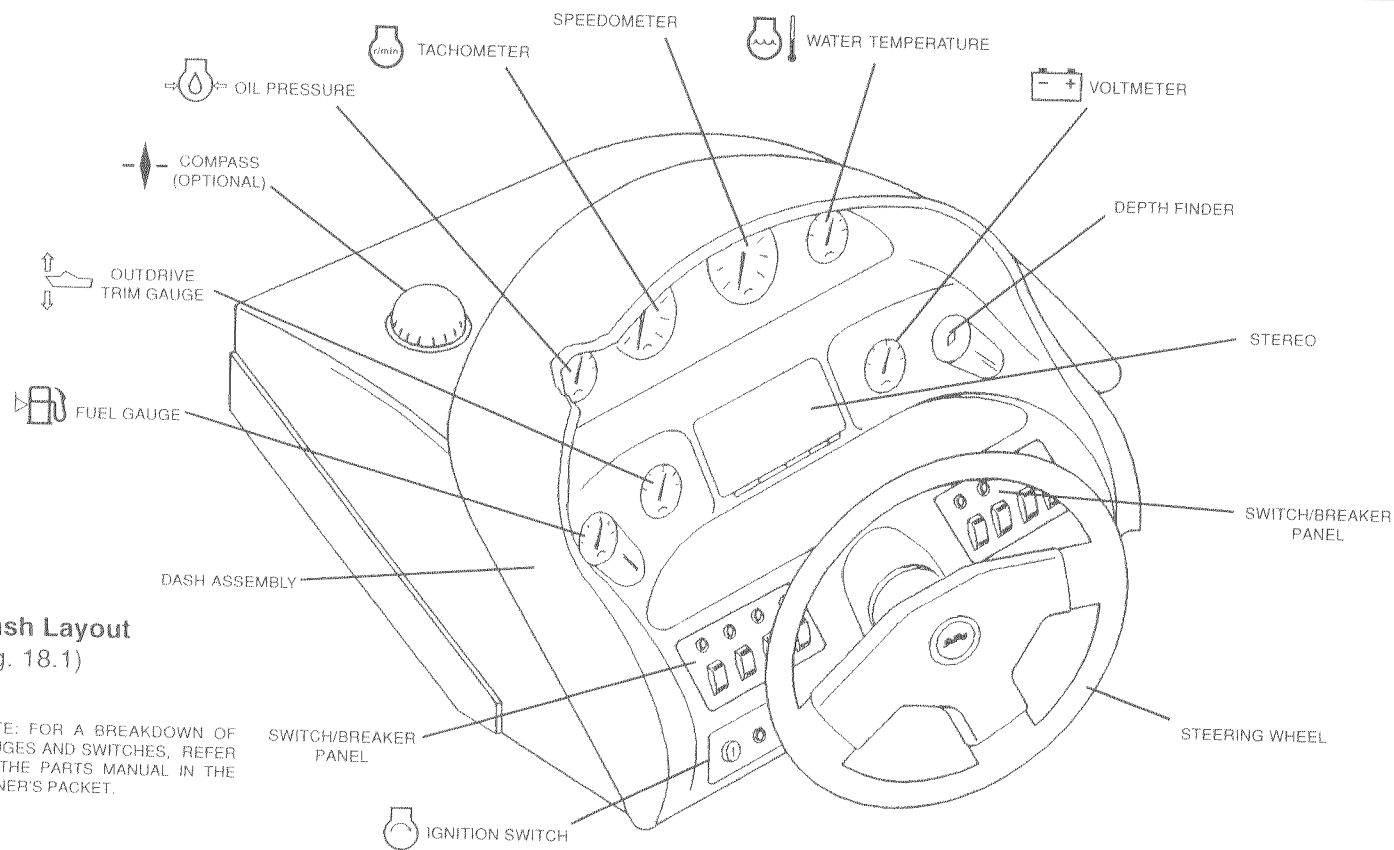


Stern Eyes and Cleats

(fig. 17.2)



DASH LAYOUT

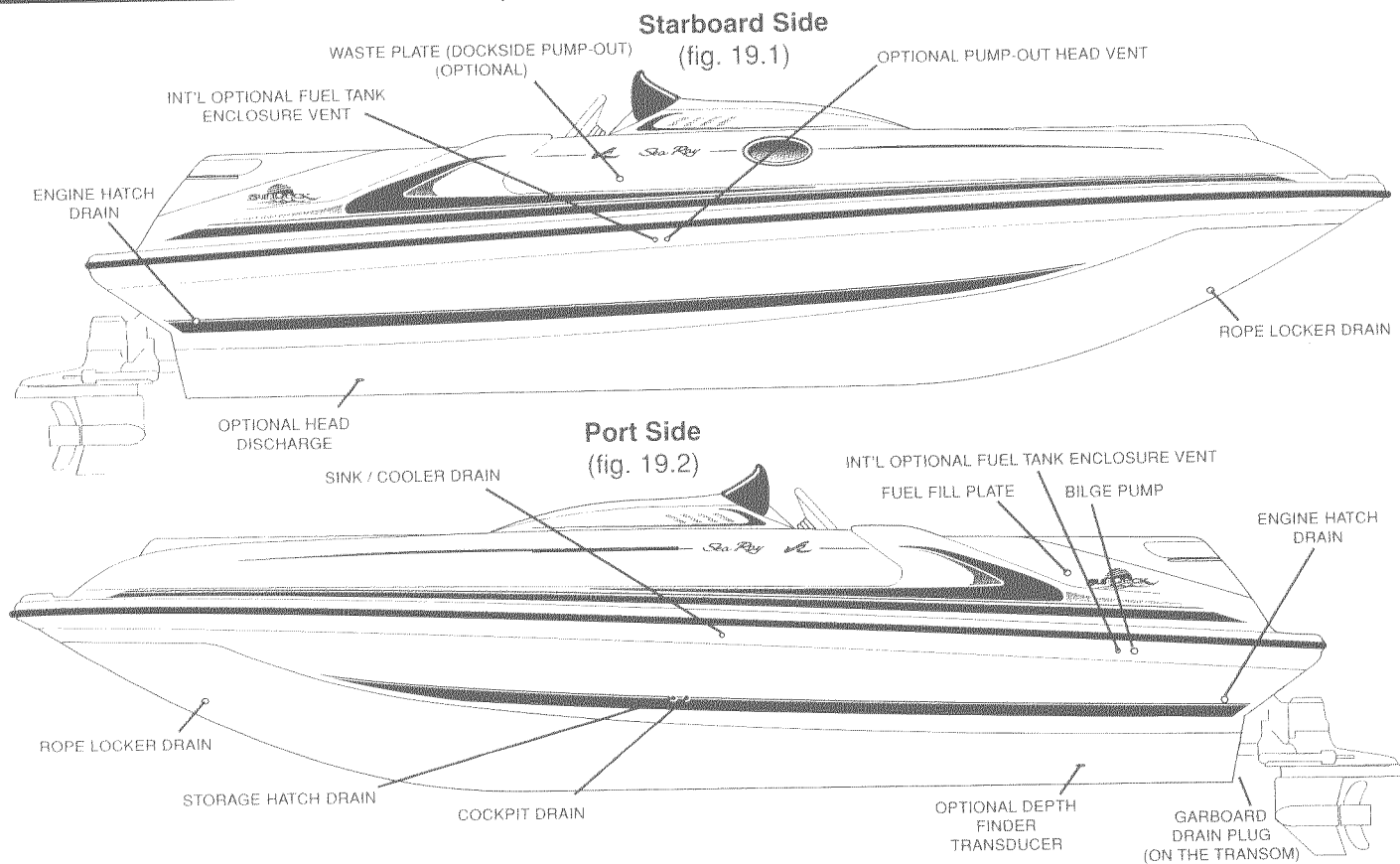


Dash Layout
(fig. 18.1)

NOTE: FOR A BREAKDOWN OF GAUGES AND SWITCHES, REFER TO THE PARTS MANUAL IN THE OWNER'S PACKET.

The specification measurements and locations are approximations and subject to variance.

LOCATION OF THROUGH-HULL FITTINGS



The specification measurements and locations are approximations and subject to variance.

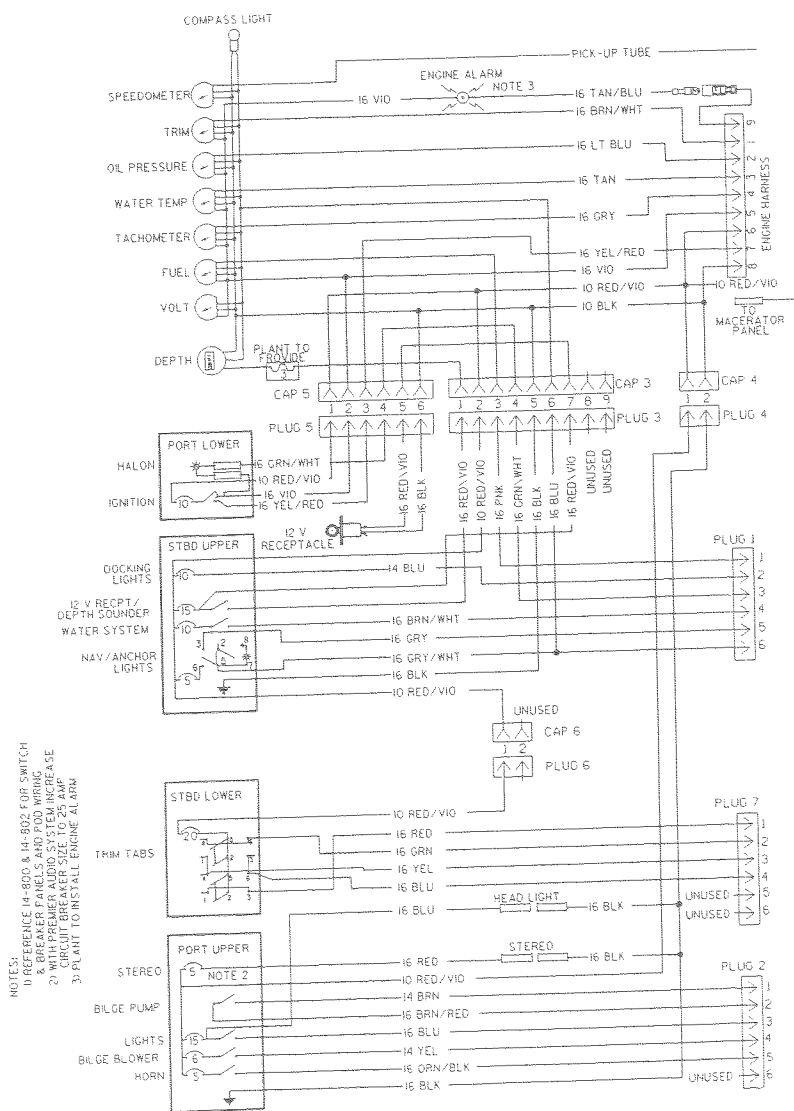
KEY TO ELECTRICAL SYMBOLS

LIGHT BATTERY SPOTLIGHT STARTER COIL HORN WATER TEMP. SENDER	GAUGE FLOAT SWITCH CIRCUIT BREAKER 2 CIRCUIT IGNITION SWITCH VARIABLE RESISTOR SPST SWITCH DPST SWITCH	POWER TRIM & TRIM TAB PUMP FUSE MALE PUSH ON CONNECTOR FEMALE PUSH ON CONNECTOR MALE PLUG FEMALE PLUG SPEED PICK UP SPEED PICK UP ELECTRONIC	WIRES CROSSING NO SPLICE WIRES CROSSING SPLICED GROUND ANTENNA RADIO DEPTH/SUN LOG 12V RECEPTACLE	SHIFT / THROTTLE CONTROLS TRIM ANGLE SENDER LIQUID LEVEL SENDER TEMP. ALARM ALARM HORN RECTIFIER	PUMP SPEAKER OIL PRESSURE SENDER BLOWER TRIM TAB SWITCH VHF RADIO SOLENOID PUSH BUTTON SWITCH	HALON 3 POSITION BATTERY SWITCH HOUR METER 2 CIRCUIT 5 POLE PROGRESSIVE SWITCH ALTERNATOR BATTERY ISOLATOR
RED -RED BLK -BLACK BLU -BLUE LT BLU -LIGHT BLUE BRN -BROWN GRY -GRAY TAN -TAN PNK -PINK ORN -ORANGE VIO -VIOLET WHT -WHITE YEL -YELLOW GRN -GREEN RED/VIO -RED W/ VIOLET TRACER RED/BLK -RED W/BLACK TRACER WHT/RED -WHITE W/RED TRACER	BRN/ORN -BROWN W/ORANGE TRACER BLU/WHT -BLUE W/ WHITE TRACER TAN/BLU -TAN W/BLUE TRACER BRN/WHT -BROWN W/ WHITE TRACER BRN/RED -BROWN W/ RED TRACER ORN/GRN -ORANGE W/ GREEN TRACER VIO/WHT -VIOLET W/ WHITE TRACER GRN/WHT -GREEN W/ WHITE TRACER GRY/WHT -GRAY W/ WHITE TRACER GRY/BLU -GRAY W/ BLUE TRACER YEL/RED -YELLOW W/ RED TRACER GRY/RED -GRAY W/RED TRACER BRN/YEL -BROWN W/YELLOW TRACER ORN/RED -ORANGE W/RED TRACER ORN/BLK -ORANGE W/BLACK TRACER P-U -PICK UP TUBE	BUTT SPLICE RING CONNECTOR * 10 RING FEMALE QUICK CONNECT MALE QUICK CONNECT .157 SNAP PLUG RECEPTACLE .157 SNAP PLUG	AMP 75 CONNECTOR FEMALE QUICK CONNECT PIGGYBACK INSULATED DOUBLE FEMALE SNAP PLUG INSULATED FEMALE SNAP PLUG INSULATED MALE SNAP PLUG			

- 1) ALL WIRE IS AMERICAN WIRE GAUGE (AWG) STANDARDS
- 2) THE CONNECTOR SIZE IS DETERMINED BY THE GAUGE OF THE WIRE THE CONNECTOR IS USED ON.
- 3) QUICK CONNECT TERMINALS TO BE .250 UNLESS OTHERWISE INDICATED, TAB THICKNESS IS .032"

The specification measurements and locations are approximations and subject to variance

DC WIRING SCHEMATIC



NOTES:
 1. REFERENCE 14-800 & 14-802 FOR SWITCH
 2. WITH PREMIER AUDIO SYSTEM INCREASE
 3. CIRCUIT BREAKER SIZE TO 25 AMP
 4. PLANT TO INSTALL ENGINE ALARM

240 Sundek

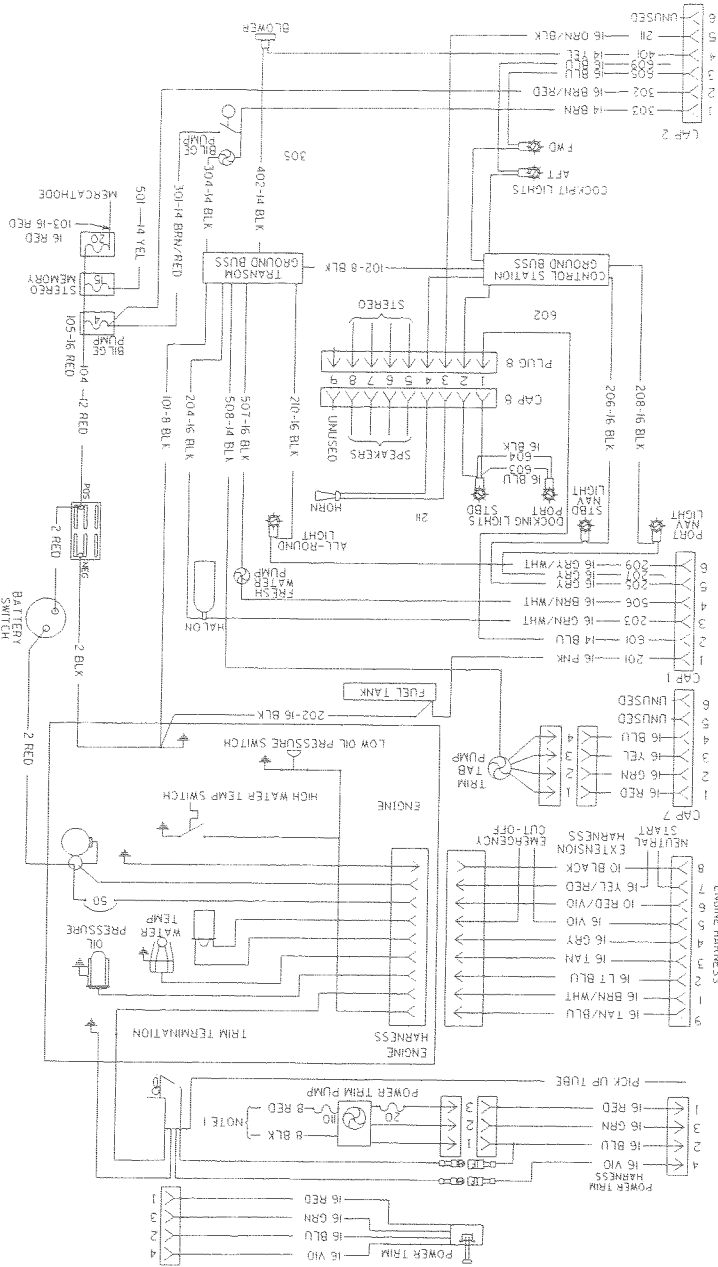
21

Drawing No. 09-601, 1 of 2, Revision No. 3

The specification measurements and locations are approximations and subject to variance

DC WIRING SCHEMATIC

POWER FROM CORD LEADS MUST NOT EXCEED 40' WHEN CONNECTED DIRECTLY TO THE STARTER OR 72' WHEN CONNECTED DIRECTLY TO THE BATTERY AND MUST BE CONTAINED IN A SHEATH THE ENTIRE LENGTH.



Drawing No. 09-601, 2 of 2, Revision No. 2
The specification measurements and locations are approximate

22

240 Sundeck

INTERNATIONAL HOMOLOGATIONS

This vessel and its systems have been constructed in accordance with standards and specifications in effect at the time of manufacture as published by the various regulatory authorities listed below.

1. Ministere De La Mer - France
2. Registro Italiano Navale - Italy
3. Det Norske Veritas - Norway
4. Securite des Nauires - Canada
5. J.C.I. (Japan Craft Inspection) - Japan
6. N.K.K. (Nippon Kaiji Kyokai) - Japan
7. B.S.I. (British Standards Institute) - England
8. Ministerio Obras Publicas Y Transporters - Spain
9. EC Directive - European Community

Further information may be obtained from Sea Ray® Customer Service: 1-800-SRBOATS.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance and is set against a dark background.

