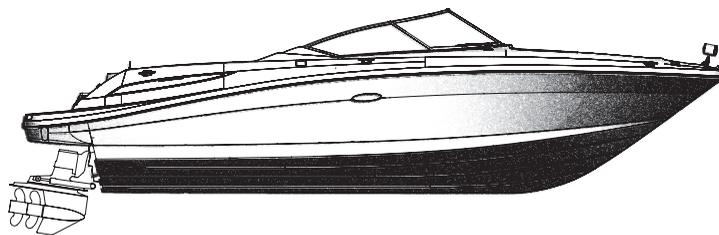


Sea Ray 

Specific
Information
Manual

270 Select EX



Manual Part Number: MRP 1902268



270 SELECT EX SPECIFIC INFORMATION MANUAL

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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.

Owner's Manual
270 Select Ex

Printed in the U.S.A. April 2007

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Sea Ray Boats, Inc. 2600 Sea Ray Blvd., Knoxville, TN 37914
For information call 1-800-SRBOATS or fax 1-314-213-7878
(International 1-314-216-3333)

Internet Address: <http://www.searay.com>

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.

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Sea Ray 



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270 SELECT EX OWNERS MANUAL

1. LOAD CAPACITY

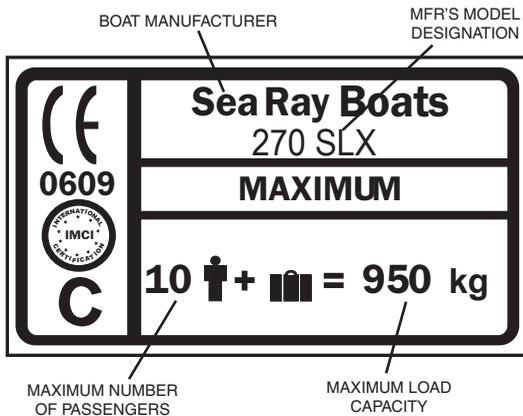
Refer to the General Information Manual for a detailed explanation of Load Capacity.

! DANGER

Never carry more weight or passengers than indicated on the certification plate, regardless of weather or water conditions.

The boat can capsize, swamp or sink.

BUILDER'S PLATE (INTERNATIONAL)
(Fig. 1.1)



2. PASSENGER LOCATIONS

Refer to the General Information Manual for a detailed explanation of Passenger Locations.

! WARNING

Boat motion can be erratic.

You can fall overboard or be injured by hitting something in or on the boat.

All persons must be in cockpit area or cabin and be prepared for sudden boat movement.

Use front or bow deck area only during anchoring, mooring or emergencies.

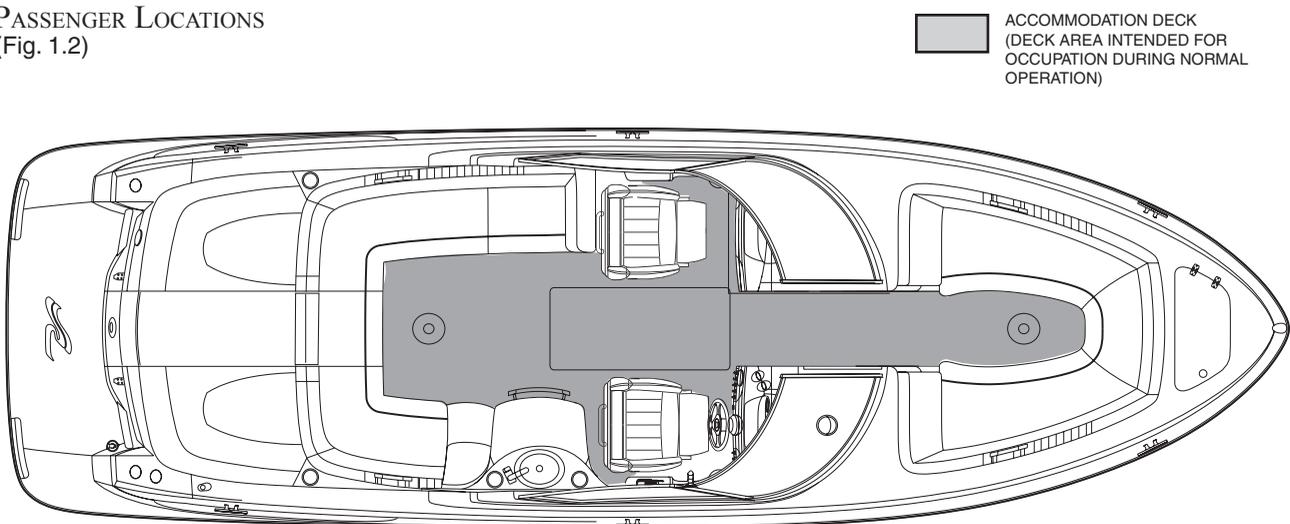
! WARNING

Wet decks are slippery.

You can be seriously injured if you slip and fall.

Wear slip resistant footwear secured to your feet and hold on to rails or boat structure.

PASSENGER LOCATIONS
(Fig. 1.2)



! DANGER

Rotating propellers can injure or kill you.

Shut off engine when persons are in water near boat, or on swim platform or ladder.

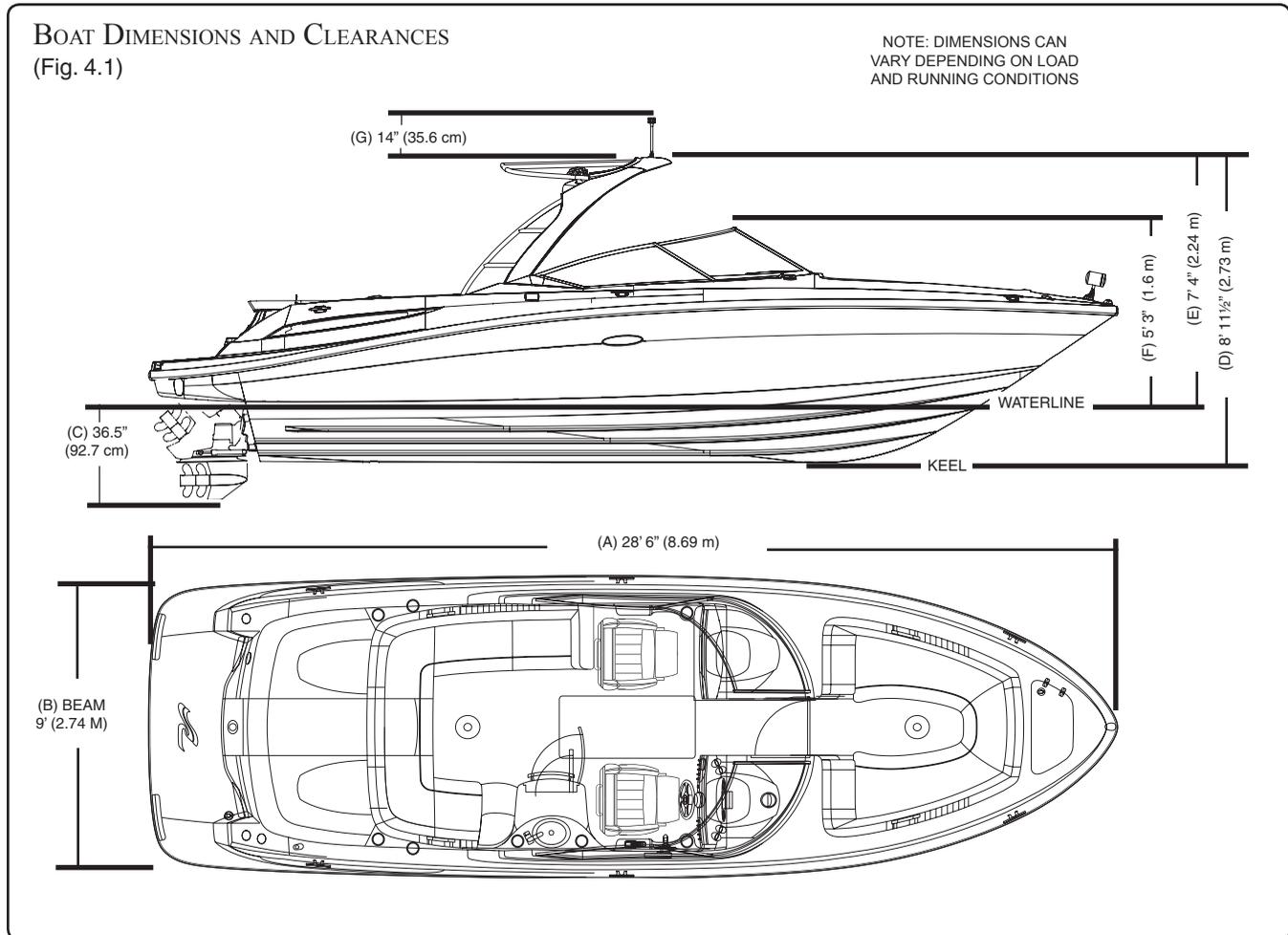
! WARNING

Rear facing transom seats **MUST NOT** be used while engine is running or boat is moving.



270 SELECT EX OWNERS MANUAL

4. BASIC BOAT DIMENSIONS AND CLEARANCES



270 SELECT EX SPECIFICATIONS

(A) Overall Length		
With Std. Swim Platform.....	28ft. 6in.	8.69 m
(B) Beam (Width).....	9ft.	2.74 m
(C) Draft (Stern Drive Down)	36.5in.*	92.7 cm*
Draft (Stern Drive Up).....	20in.*	50.8 cm*

* MINIMUM WATER DEPTH TO PREVENT RUNNING AGROUND

Dry Weight.....	5,555 lbs.	2,520 kg.
Fuel Capacity.....	94 gal.	355.8 liters
Usable Fuel	89 gal.	336.9 liters
Water Capacity	21 gal.	79.5 liters
Holding Tank.....	10 gal.	37.9 liters
Dead Rise.....	21°	

HEIGHT DIMENSIONS

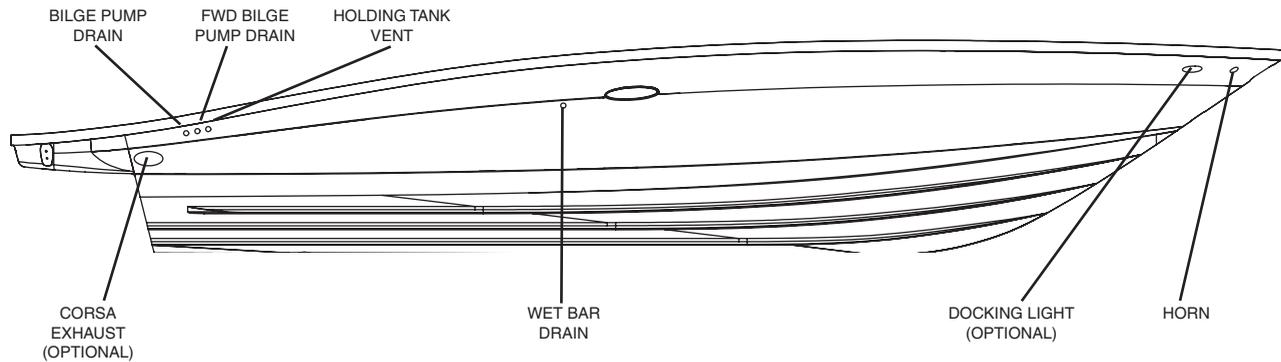
(D) Keel to Top of Arch.....	8ft. 11.5in.	2.73 m
(E) Waterline to Top of Arch.....	7ft. 4in.	2.24 m
(F) Waterline to Top of Windshield.....	5ft. 3in.	1.6 m
(G) Arch to Top of Mast Light.....	14in.	35.6 cm



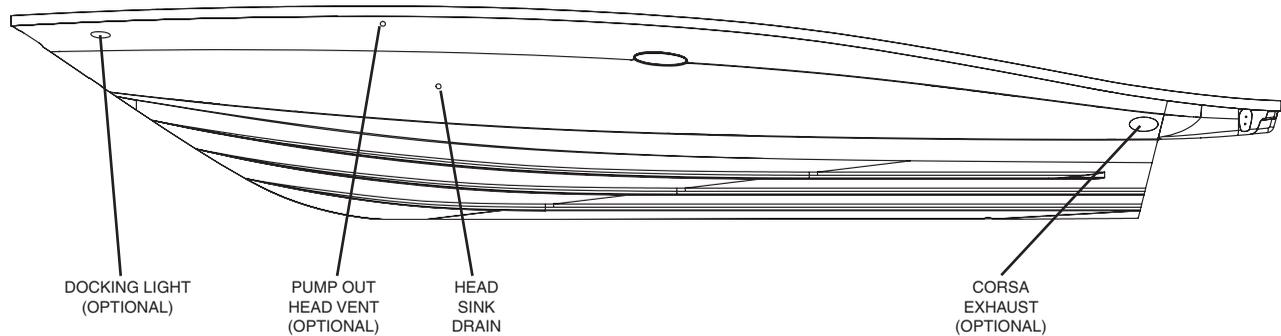
270 SELECT EX OWNERS MANUAL

5. FUNCTION AND LOCATION OF THROUGH-HULL CUTOUTS

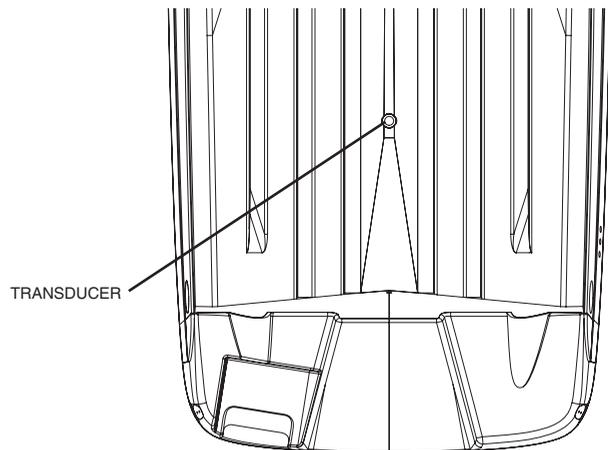
PORT THROUGH-HULL CUTOUTS
(Fig. 5.1)



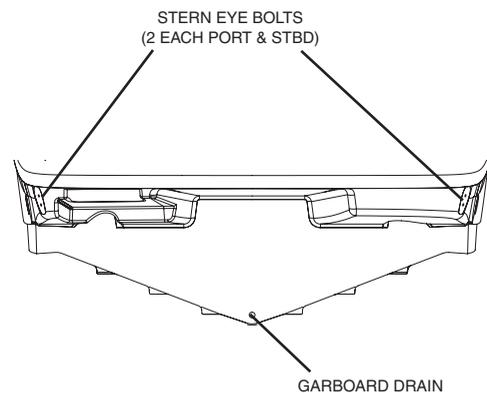
STARBOARD THROUGH-HULL CUTOUTS
(Fig. 5.2)



BILGE THROUGH-HULL CUTOUTS
(Fig. 5.3)

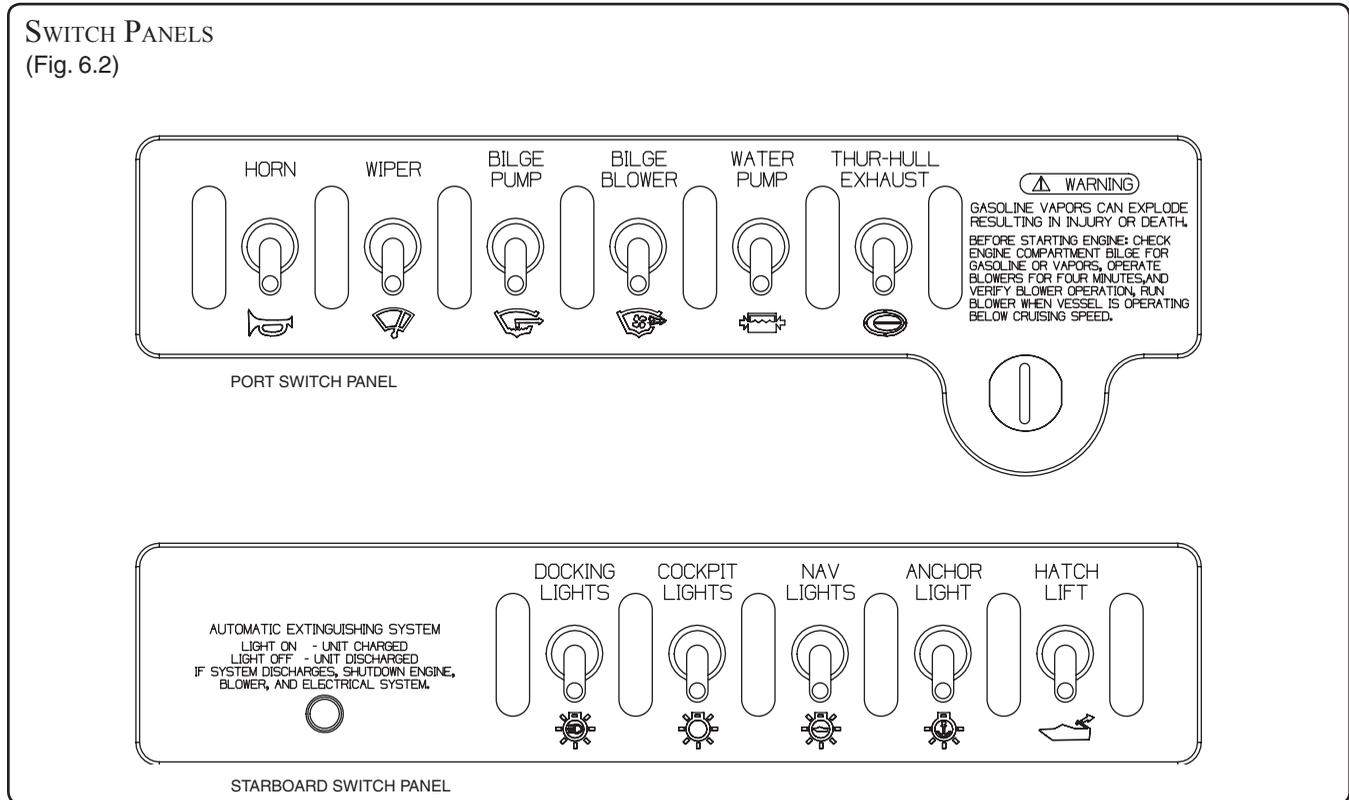
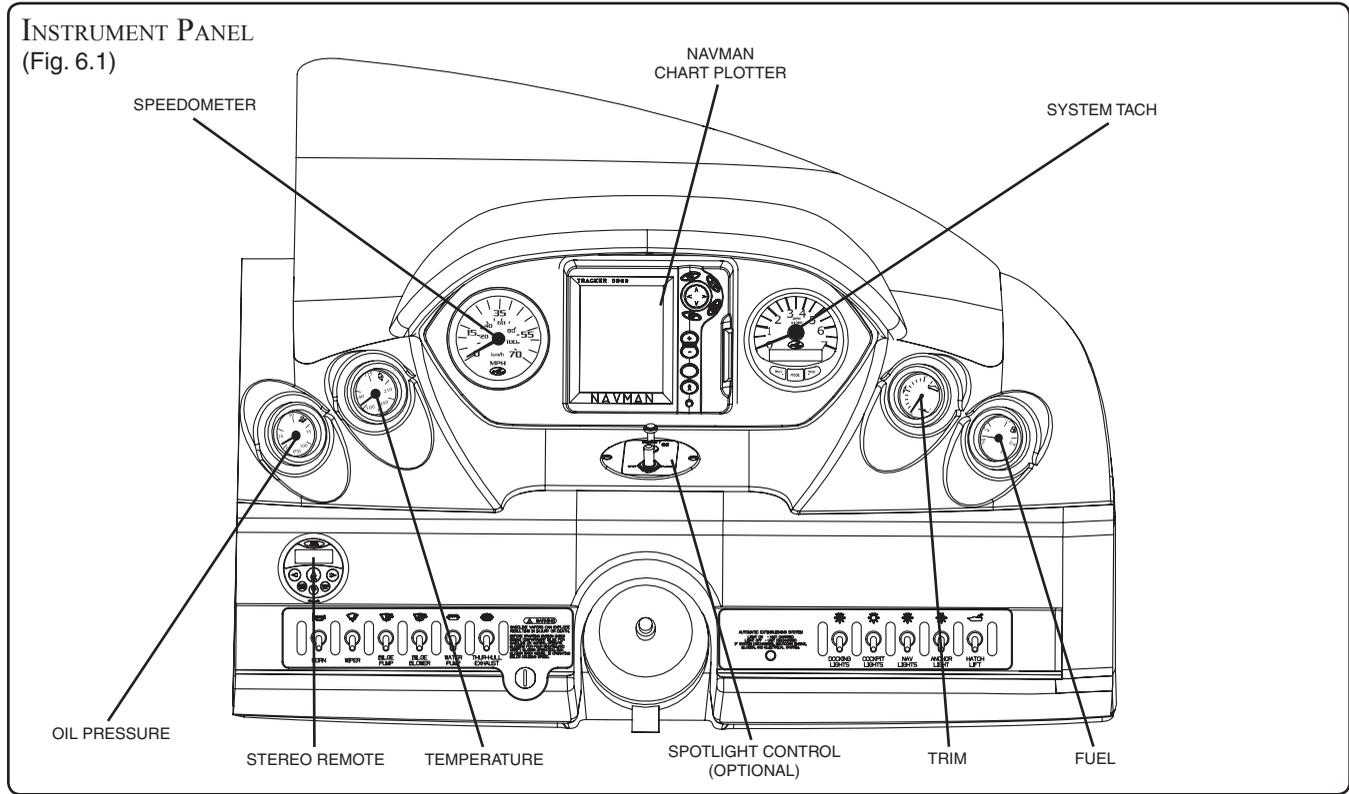


TRANSOM THROUGH-HULL CUTOUTS
(Fig. 5.4)



270 SELECT EX OWNERS MANUAL

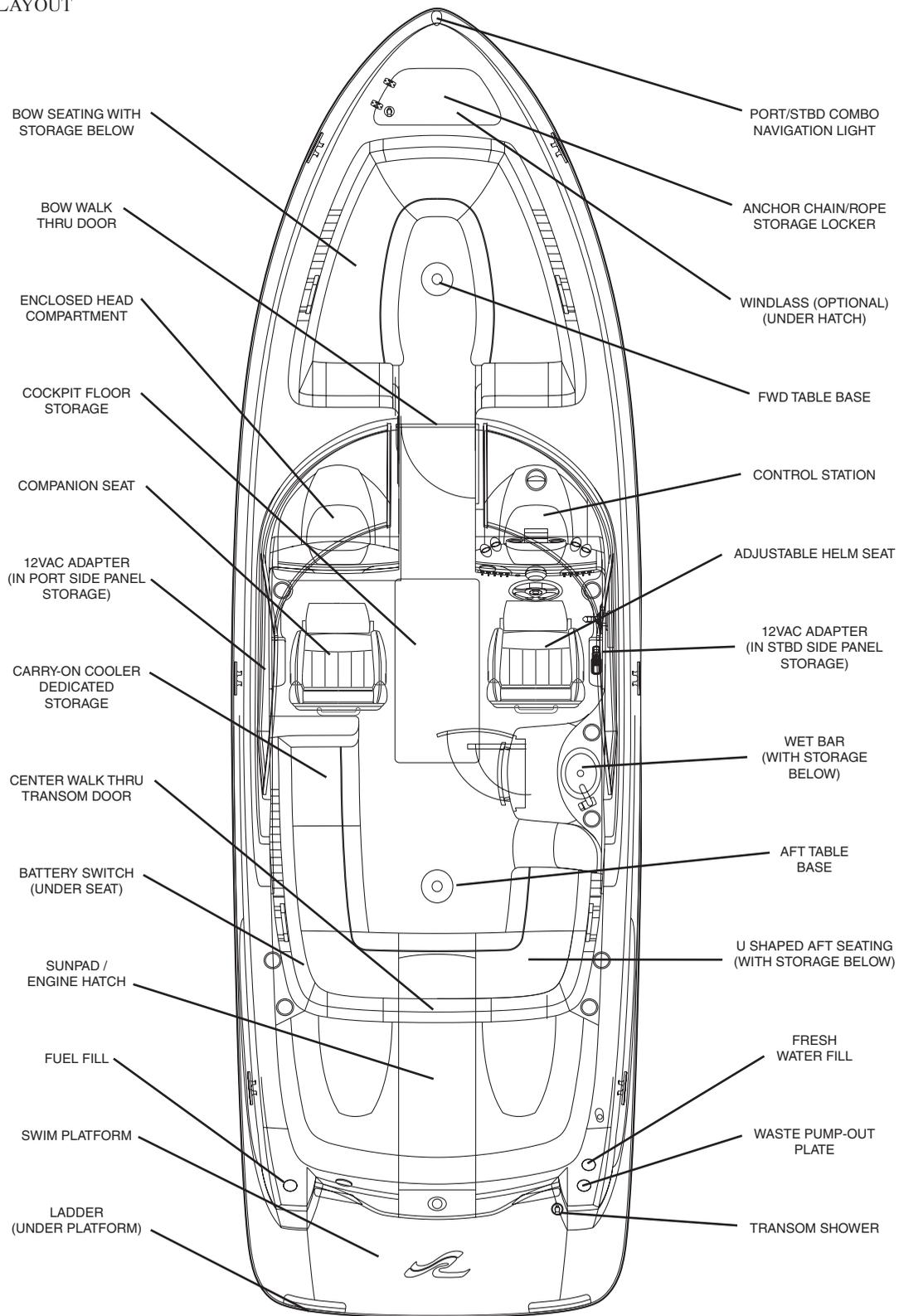
6. HELM, GAUGE & SWITCH LAYOUT



270 SELECT EX OWNERS MANUAL

7. DECK LAYOUT

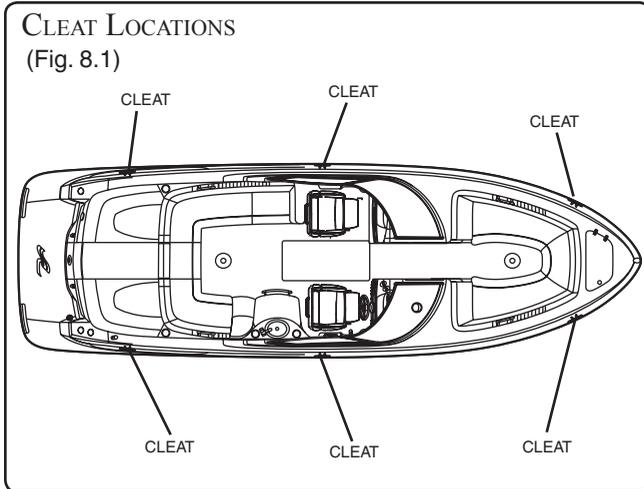
GENERAL LAYOUT
(Fig. 7.1)



270 SELECT EX OWNERS MANUAL

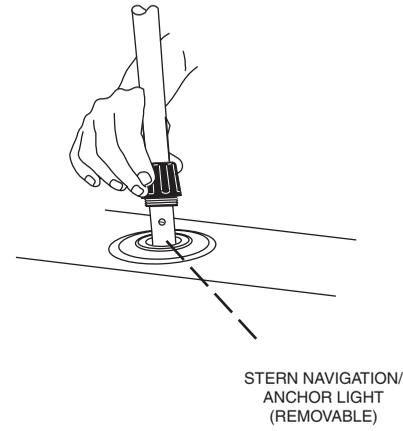
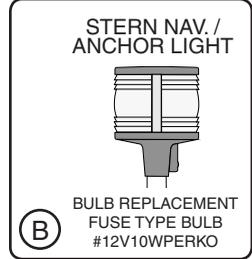
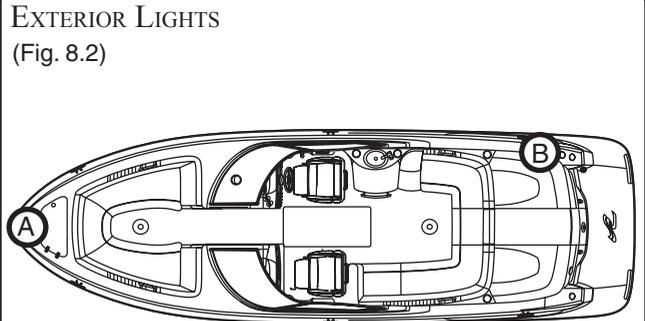
8. CLEATS

Cleats must not be used for lifting the boat; they are intended for docking or mooring use only.



9. NAVIGATION AND ANCHOR LIGHTS

See General Information Manual for a detailed explanation of the anchor lights.



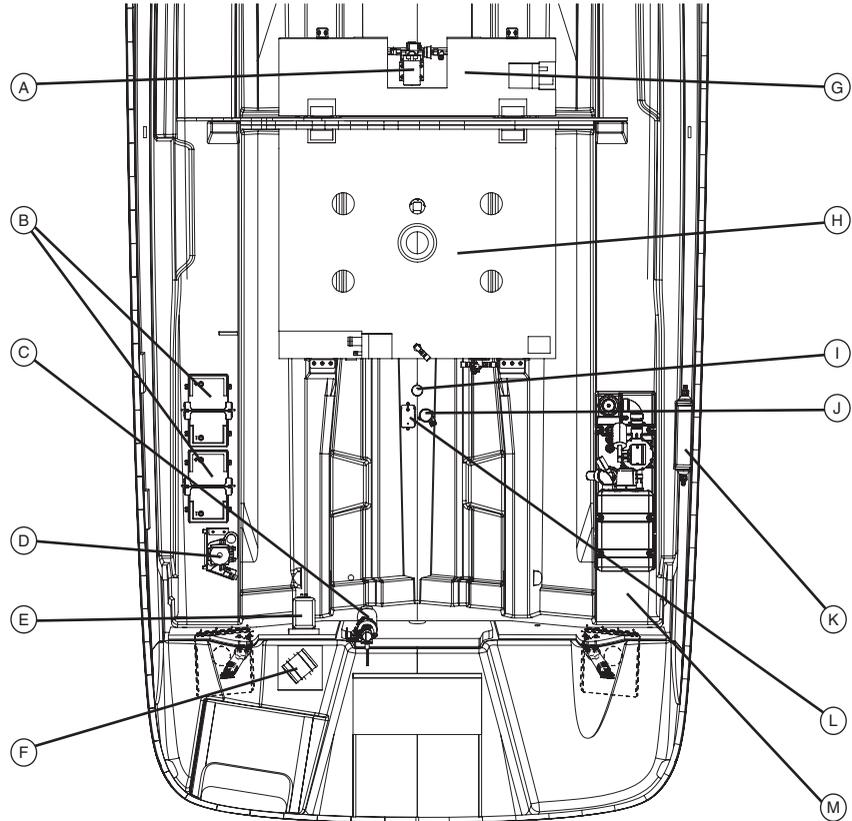
270 SELECT EX OWNERS MANUAL

10. BILGE LAYOUT

BILGE LAYOUT

(Fig. 9.1)

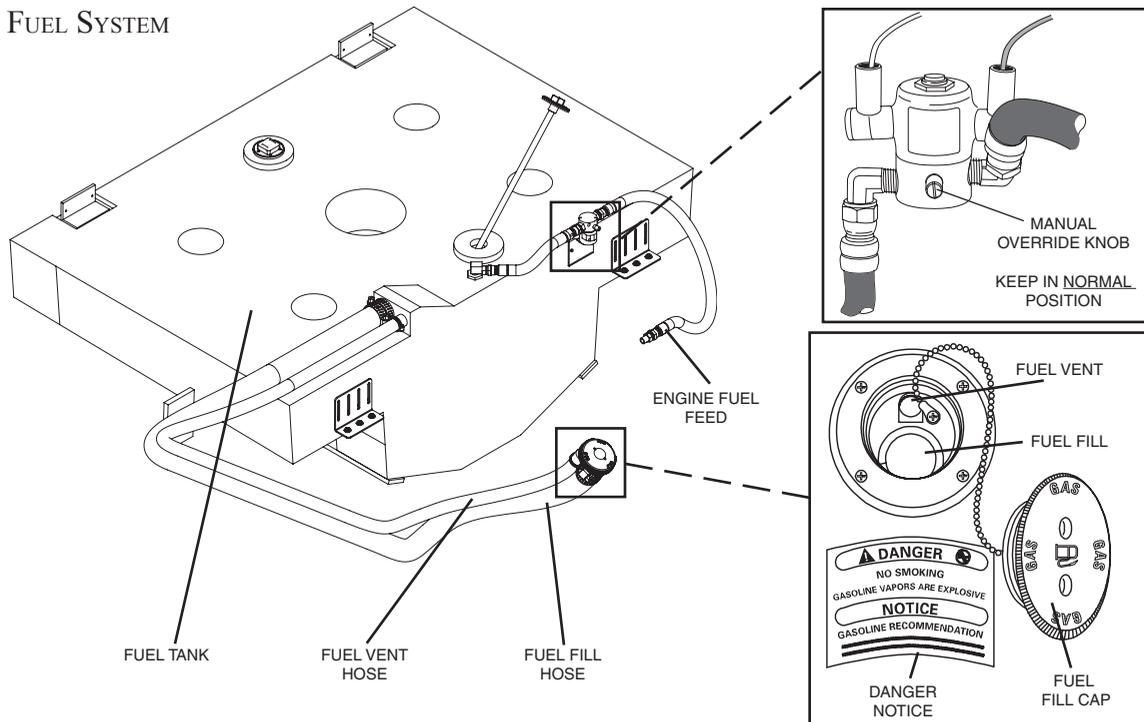
- (A) FRESH WATER PUMP
- (B) BATTERIES
- (C) FIRE EXTINGUISHER
- (D) POWER TRIM PUMP
- (E) TRIM TAB PUMP
- (F) BLOWER
- (G) FRESH WATER TANK
- (H) FUEL TANK
- (I) TRANSDUCER
- (J) BILGE PUMP
- (K) HOLDING TANK VENT FILTER
- (L) BILGE FLOAT SWITCH
- (M) WASTE WATER HOLDING TANK



11. FUEL SYSTEM

STANDARD FUEL SYSTEM

(Fig. 9.2)



270 SELECT EX OWNERS MANUAL

11. FUEL SYSTEM

The 270 Select EX standard gasoline fuel system consists of a 94 gallon (356 liter) fuel tank, fuel tank vent, electric fuel valve, engine fuel supply line and fuel fill.

12. CANVAS

The standard canvas consists of a Sunbrella® Bimini Top w/ Boot.

The optional canvas package consists of:

Aft Curtain	Canvas Storage Bag
Front Curtains	Side Curtains
Cockpit cover w/ Tonneau	

The Canvas Cockpit Cover /w Tonneau is also available as an individual option.

13. ENTERTAINMENT SYSTEM

The 12 volt AM/FM radio single CD satellite ready stereo is located in the port dash.

The system includes six (6) water proof speakers, a subwoofer, a digital remote control located at the control station and an optional remote on the transom. An optional speaker system is available with the Water Sports Tower option.

14. WATER SPORTS TOWER

If equipped, the water sports tower provides a raised attach point (ski tow pylon) for the ski rope. The high attach point enables the skier to perform a wide variety of skills not capable with the lower transom attach point.

The tower attach point is intended for use only when towing a single skier. If you are towing multiple skiers or water toys carrying more than one person use only the transom attach point. The tower attach point is NOT intended for towing inflatables.

WARNING

DO NOT USE TOWER FOR PULLING INFLATABLES. Use water sports tower for single skier/wakeboarder only. Use ski tow or stern eyes on transom for all other tow behind sports. Heavy loads could collapse tower causing personal injury.

WARNING

DO NOT USE WATER SPORTS TOWER FOR TOWING ANOTHER BOAT OR BEING TOWED. TOWER COULD COLLAPSE AND CAUSE INJURY. SEE OWNER'S MANUAL FOR INSTRUCTIONS ON TOWING.

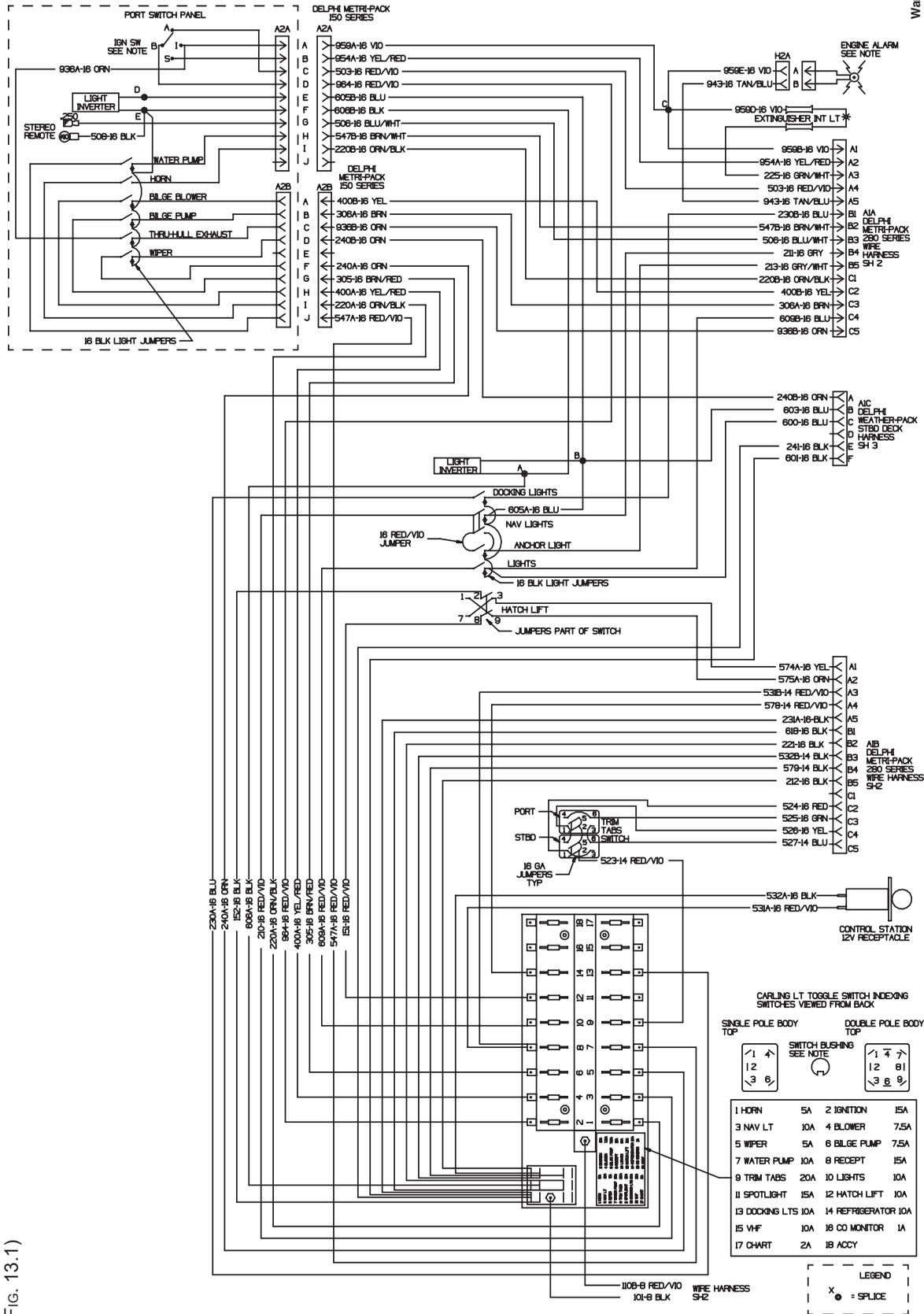
15. ELECTRICAL SCHEMATICS

This owner's manual contains electrical schematics and wiring harness illustrations for your boat. These electrical schematics were generated by electrical CAD designers 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.



1. ELECTRICAL SCHEMATICS, 270 SELECT EX

DC WIRING DIAGRAM (1 OF 3)
DRAWING NO. 09-601
(Fig. 13.1)



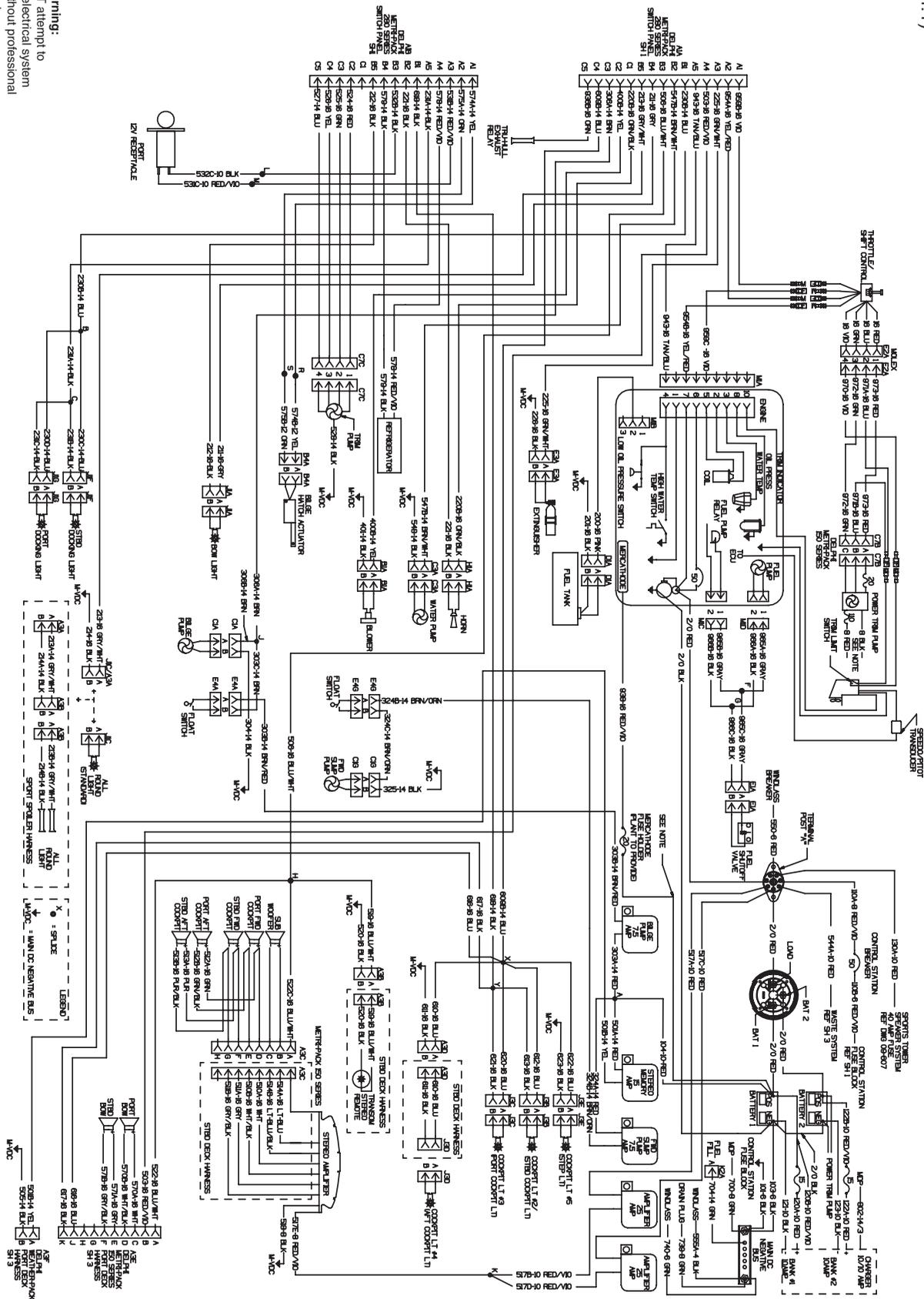
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

DC WIRING DIAGRAM (2 OF 3)

DRAWING NO. 09-601

(FIG. 14.1)

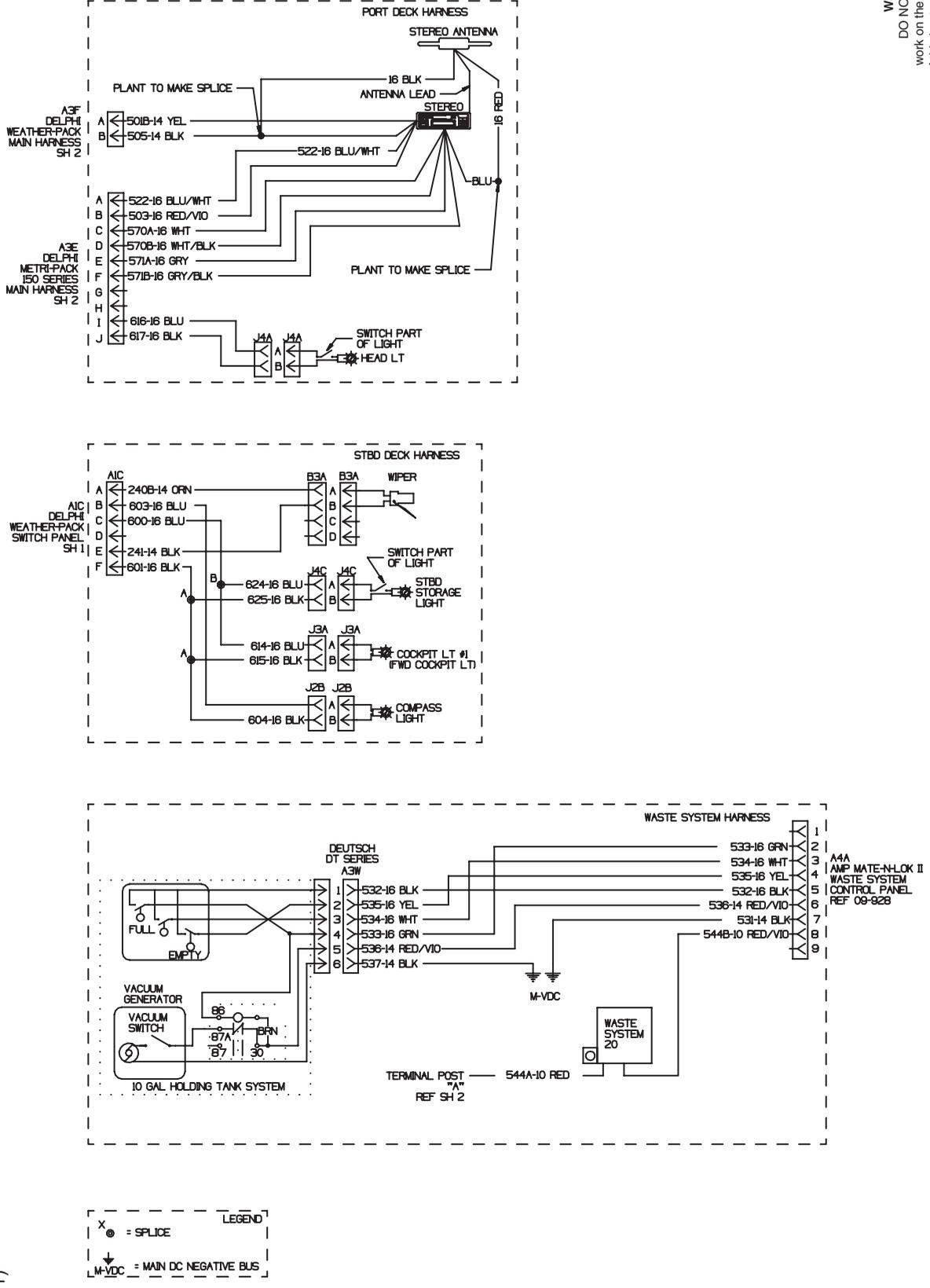


Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.



ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

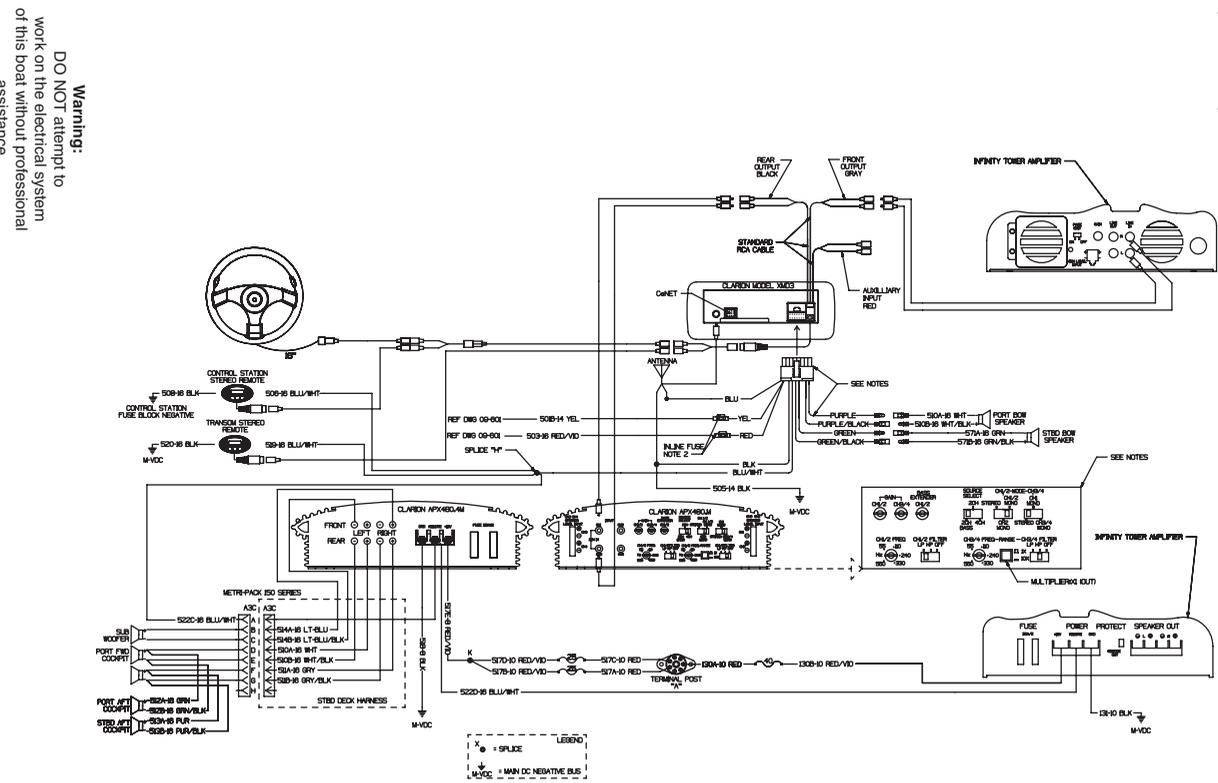
DC WIRING DIAGRAM (3 OF 3)
DRAWING NO. 09-601
(FIG. 15.1)



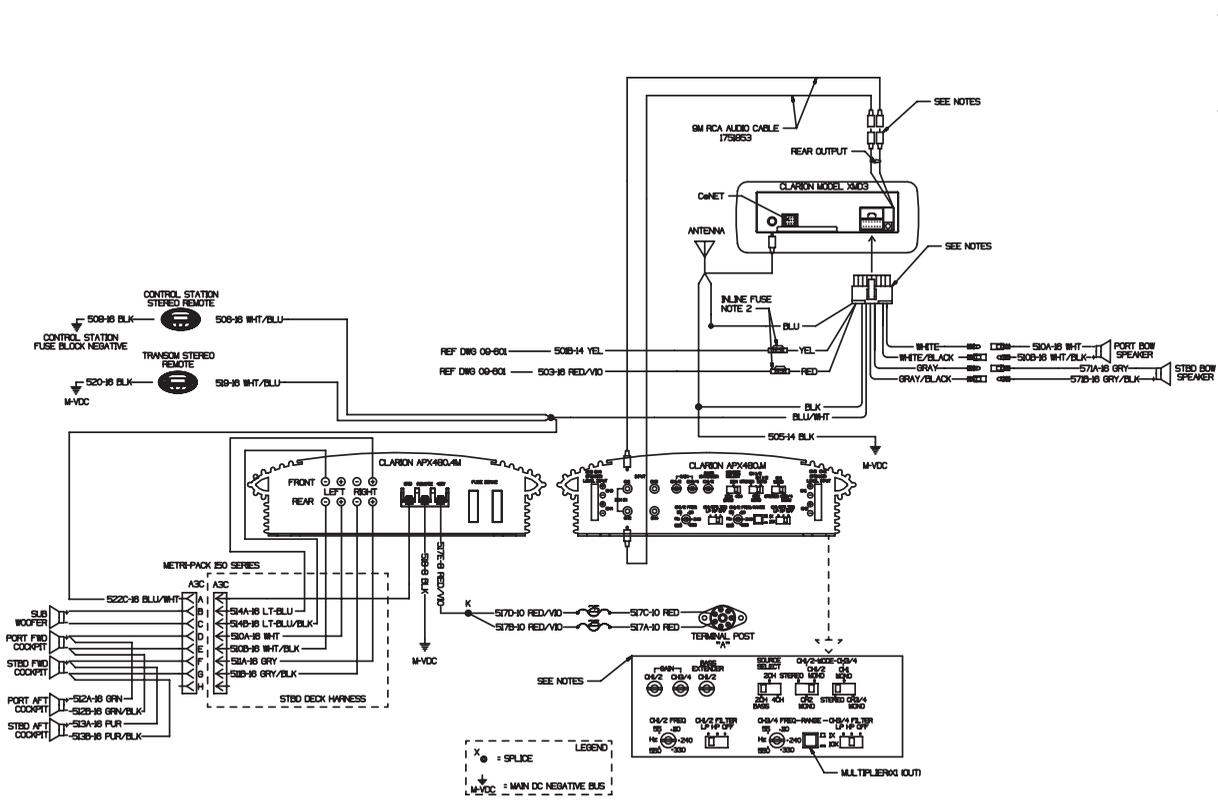
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

SPORTS TOWER WIRING DIAGRAM
DRAWING NO. 09-607
(FIG. 16.1)



STEREO WIRING DIAGRAM
DRAWING NO. 09-608
(FIG. 16.2)

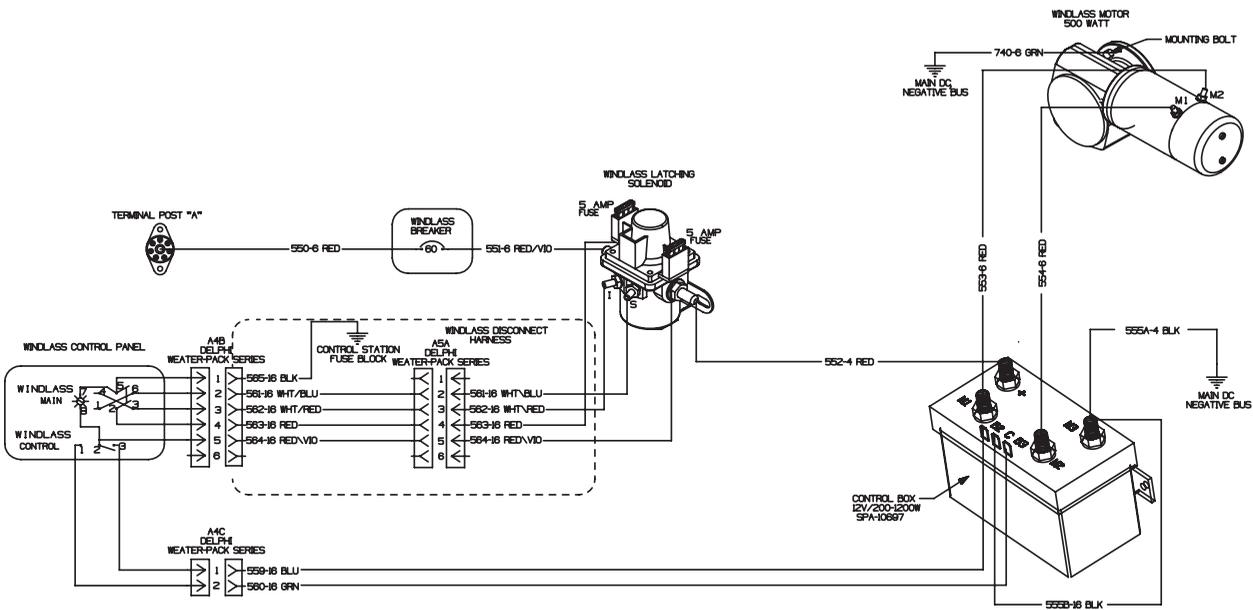


ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

WINDLASS WIRING DIAGRAM

DRAWING NO. 09-614

(Fig. 17.1)

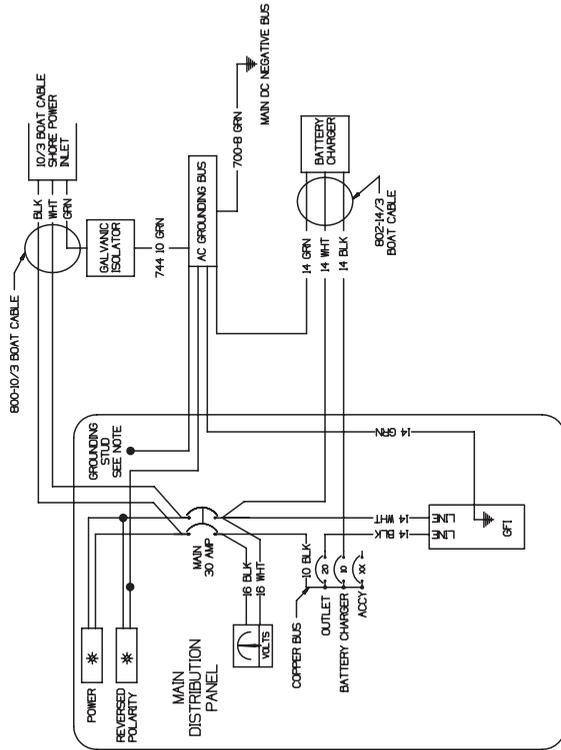


- NOTES
 1) REF. 09-012 FOR WINDLASS CONTROL PANEL CONSTRUCTION.
 2) REF. 09-020 FOR WINDLASS CONTROL HARNESS CONSTRUCTION.

WIRING DIAGRAM, (120VAC/60Hz)

DRAWING NO. 09-630

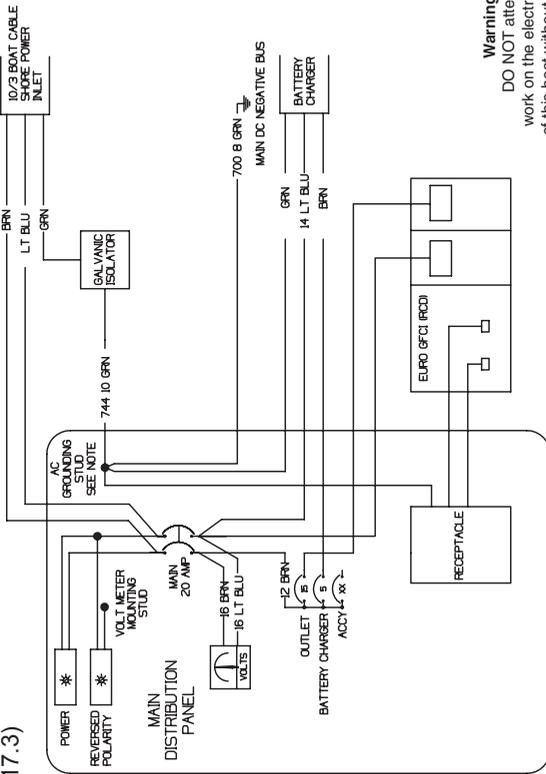
(Fig. 17.2)



WIRING DIAGRAM, (220VAC/50Hz)

DRAWING NO. 09-632

(Fig. 17.3)



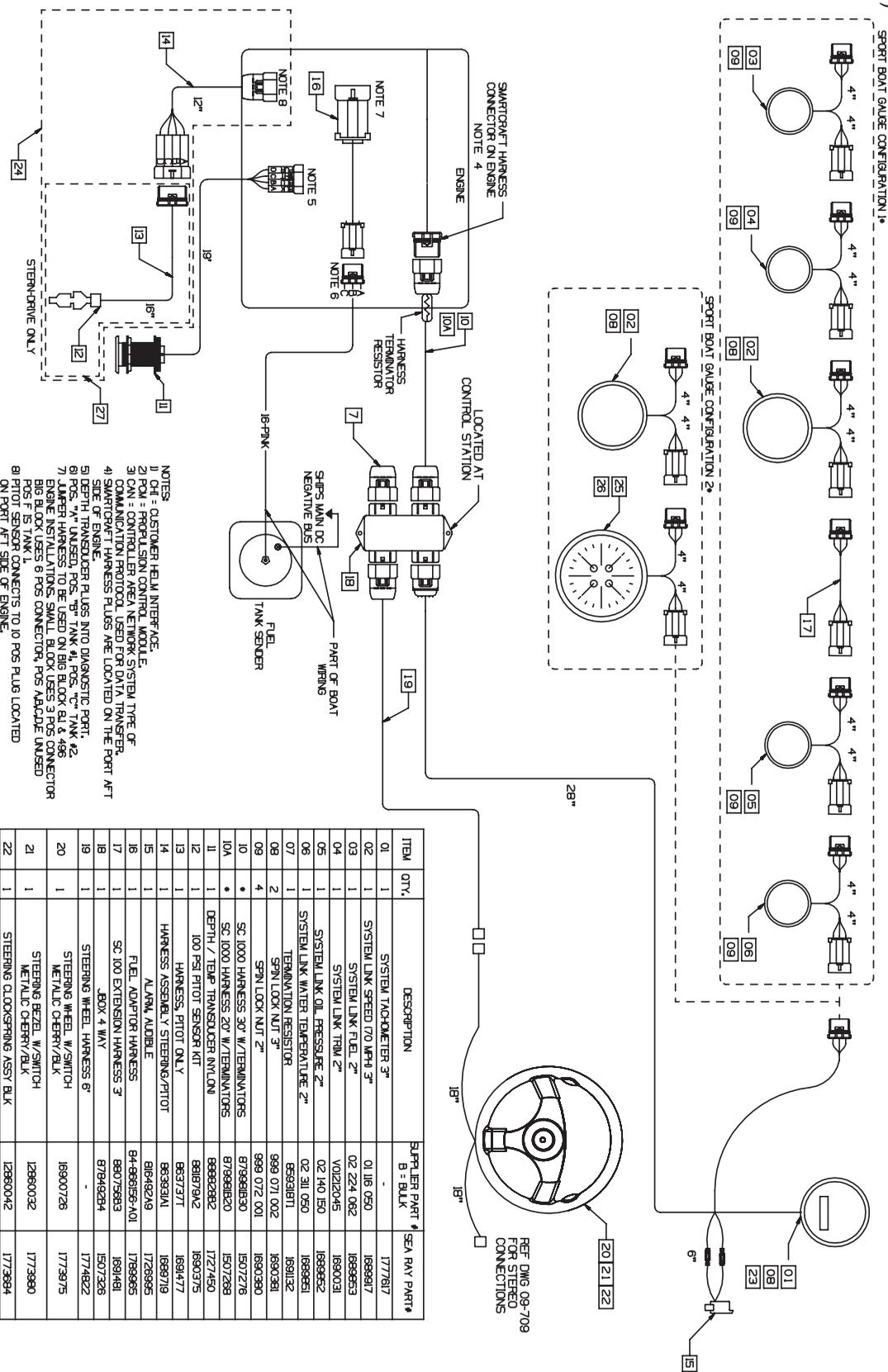
Warning:
 DO NOT attempt to
 work on the electrical system
 of this boat without professional
 assistance.

ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

SMARTCRAFT™ SYSTEM DIAGRAM W/ INTELLIWHEEL

DRAWING NO. 09-713

(FIG. 18.1)



- NOTES:
- 01 - CUSTOMER HELM INTERFACE.
 - PCU = PRO-CULSION CONTROL MODULE.
 - CAN = CONTROLLER AREA NETWORK SYSTEM TYPE OF COMMUNICATION PROTOCOL, USED FOR DATA TRANSFER.
 - SMARTCRAFT HARNESS PLUGS ARE LOCATED ON THE PORT AFT SIDE OF THE ENGINE.
 - DEPTH TRANSDUCER PLUGS INTO DIAGNOSTIC PORT.
 - POS. "A" UNUSED, POS. "B" TANK #1, POS. "C" TANK #2.
 - JUMPER HARNESS TO BE USED ON BIG BLOCK BL & 496 ENGINE INSTALLATIONS, SMALL BLOCK USES 3 POS CONNECTOR.
 - BIG BLOCK USES 8 POS CONNECTOR, POS. A-MARCADE UNUSED.
 - POS. F IS TANK 1.
 - PITOT SENSOR CONNECTS TO 10 POS PLUG LOCATED ON PORT AFT SIDE OF ENGINE.

ITEM	QTY.	DESCRIPTION	SUPPLIER PART #	SEA RAY PART #
01	1	SYSTEM TACHOMETER 3"	B - BLK	177617
02	1	SYSTEM LINK SPEED 70 MPH 3"	01J6 050	1699817
03	1	SYSTEM LINK FUEL 2"	02 224 062	1699653
04	1	SYSTEM LINK TEMP 2"	V0212045	1690031
05	1	SYSTEM LINK OIL PRESSURE 2"	02 140 150	1699852
06	1	SYSTEM LINK WATER TEMPERATURE 2"	02 311 050	1699851
07	1	TERMINATION RESISTOR	66931811	1691132
08	2	SPIN LOCK NUT 3"	999 071 002	1690381
09	4	SPIN LOCK NUT 2"	999 072 001	1690380
10	*	SC 1000 HARNESS 30' W/TERMINATORS	879988390	1690776
11	1	DEPTH / TEMP TRANSDUCER IN/LIN	88982882	1690789
12	1	100 PSI PITOT SENSOR KIT	88187942	1690375
13	1	HARNESS, PITOT ONLY	8637371	1691477
14	1	HARNESS ASSEMBLY STEERING/PITOT	8639361	1698719
15	1	ALARM, AUDIBLE	81618219	1726995
16	1	FUEL ADAPTOR HARNESS	84-898195-A01	1769895
17	1	SC 100 EXTENSION HARNESS 3'	88073963	1691481
18	1	BOX 4 WAY	87849284	1690726
19	1	STEERING WHEEL HARNESS 6'	-	1774822
20	1	STEERING WHEEL W/SWITCH METALLIC CHERRY/BLK	16900726	1773975
21	1	STEERING BEZEL W/SWITCH METALLIC CHERRY/BLK	12690032	1773980
22	1	STEERING OILCOPRING ASSY BLK	12690042	1773984
23	1	HARNESS SYS MON/TACH	87997981	1690782
24	1	PITOT SMARTCRAFT SPEEDO KIT SMALL BLOCK	881879413	1727600
25	1	SPIN LOCK NUT 5"	06 036639	1690382
26	1	SYSTEM LINK MLL T1 5" 41 PSI TEMP/FUEL/TANK	02 099 036	1768244
27	1	PITOT SMARTCRAFT SPEEDO KIT BIG BLOCK	88187945	1736148

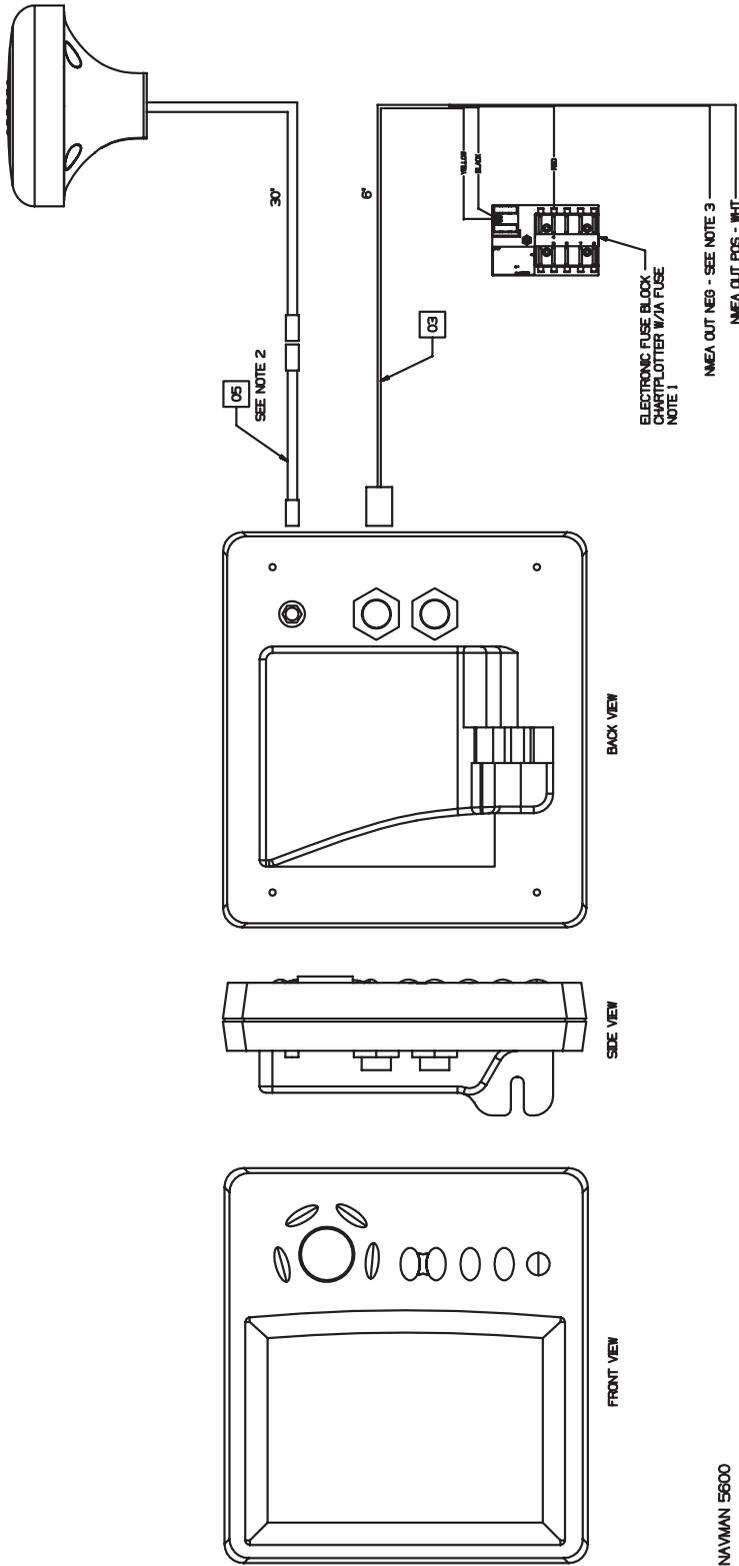
*1 OF EITHER PER BOAT, BOM TO DEFINE

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.



ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

NAVMAN SYSTEM DIAGRAM
DRAWING NO. 09-720
(Fig. 19.1)



- NOTE:
- 1) EXACT FUSE POSITION ON THE FUSE BLOCK SHALL BE SPECIFIED IN THE CHART PLOTTER MANUAL.
 - 2) SPECIFIED CABLE LENGTHS SHOULD BE USED WHEN ADDITIONAL BREAKDOWN POINT IS REQUIRED AT ARCH-HARDTOPS.
 - 3) THE NAVMAN USES THE BLACK WIRE AS DC NEGATIVE AND AS NMEA OUT NEGATIVE.

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

NAVMAN 5600

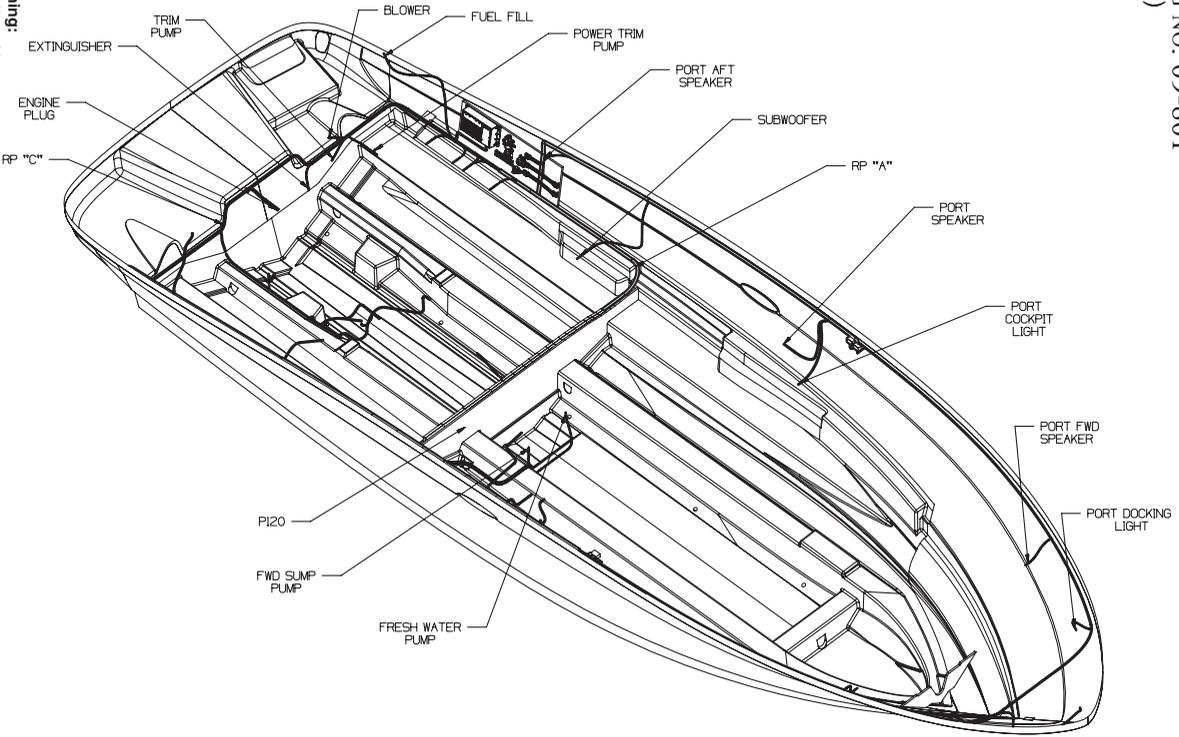
ITEM	SEA RAY P/N	VENDOR P/N	DESCRIPTION
	177310	A400300R	CHART PLOTTER, NAVMAN 5600 CMPLT PKG 5" DISPLAY
01	177311	A400300R	CHART PLOTTER, NAVMAN 5600 5" DISPLAY ONLY
02	176986	A400404R	ANTENNA, GPS NAVMAN E30
03	177310B	CB00040R	HARNESS, NAVMAN POWER CABLE
04	---	---	---
05	177310B	A400240R	HARNESS, GPS EXT. CABLE

NAVMAN 5500

ITEM	SEA RAY P/N	VENDOR P/N	DESCRIPTION
	177269	A400269R	CHART PLOTTER, NAVMAN 5500 CMPLT PKG 5" DISPLAY
01	177310B	A400269R	CHART PLOTTER, NAVMAN 5500 5" DISPLAY ONLY
02	176986	A400404R	ANTENNA, GPS NAVMAN E30
03	177310B	CB00040R	HARNESS, NAVMAN POWER CABLE
04	---	---	---
05	177310B	A400240R	HARNESS, GPS EXT. CABLE

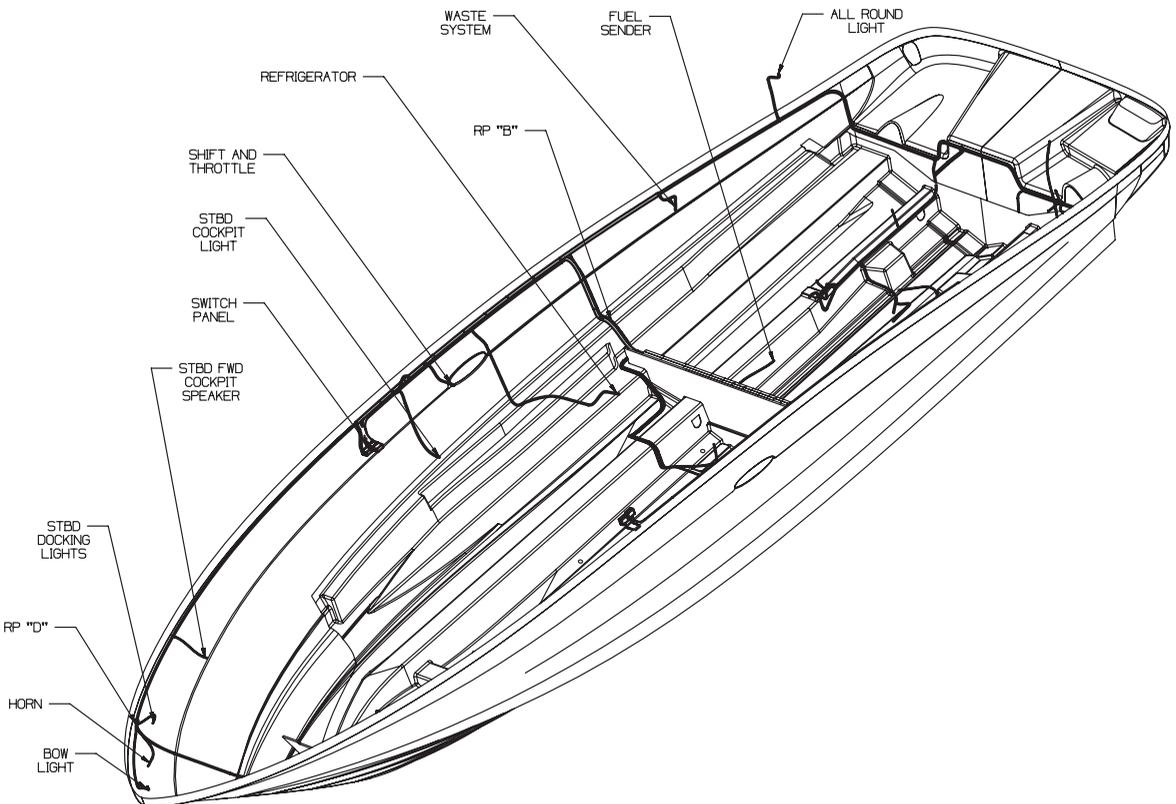
ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

WIRE HARNESS
DRAWING NO. 09-801
(Fig. 20.1)



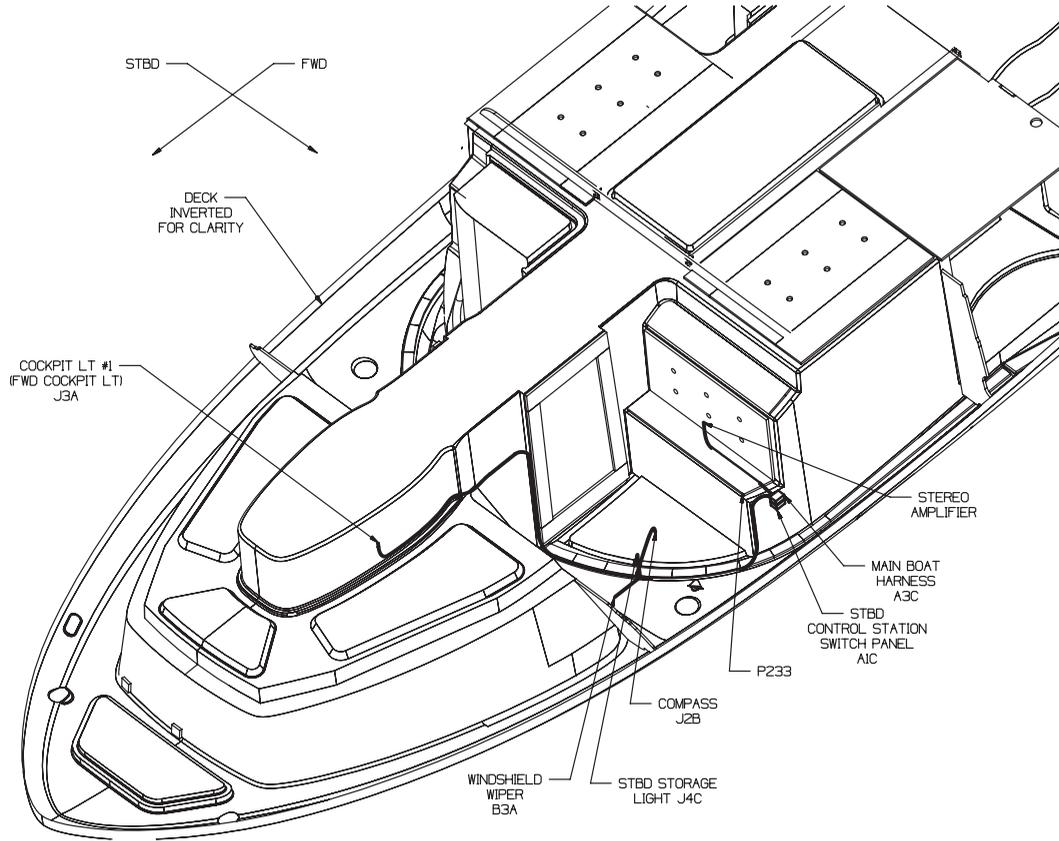
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

WIRE HARNESS
DRAWING NO. 09-801
(Fig. 20.2)

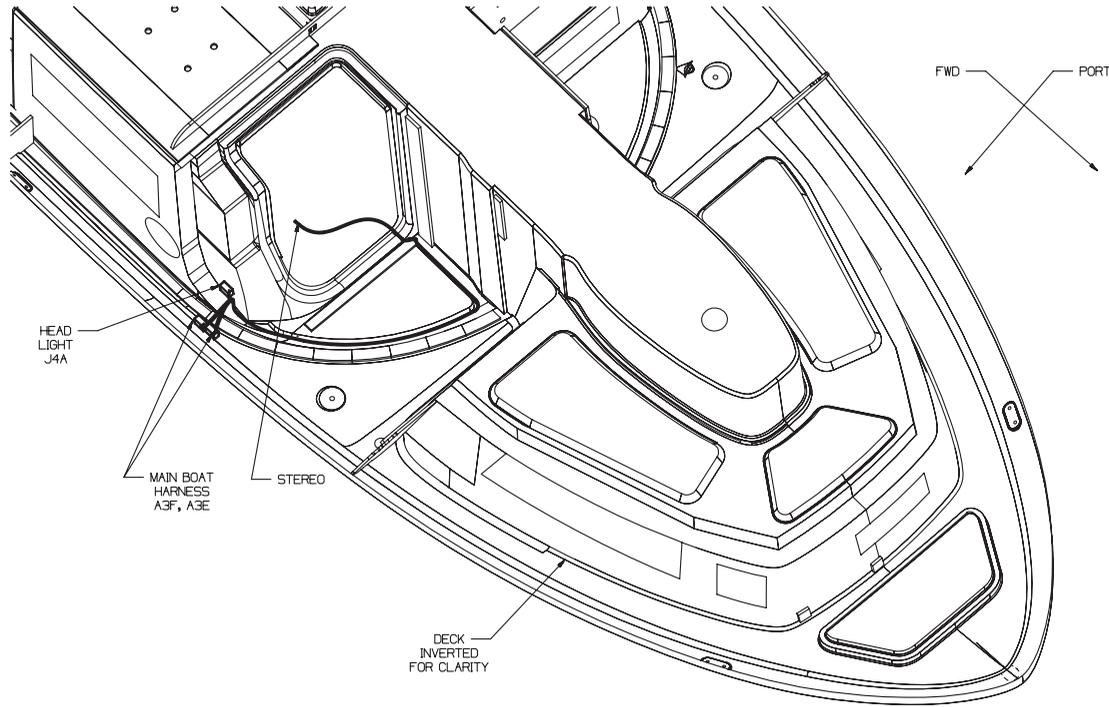


ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

STARBOARD DECK HARNESS
DRAWING NO. 09-805
(Fig. 21.1)



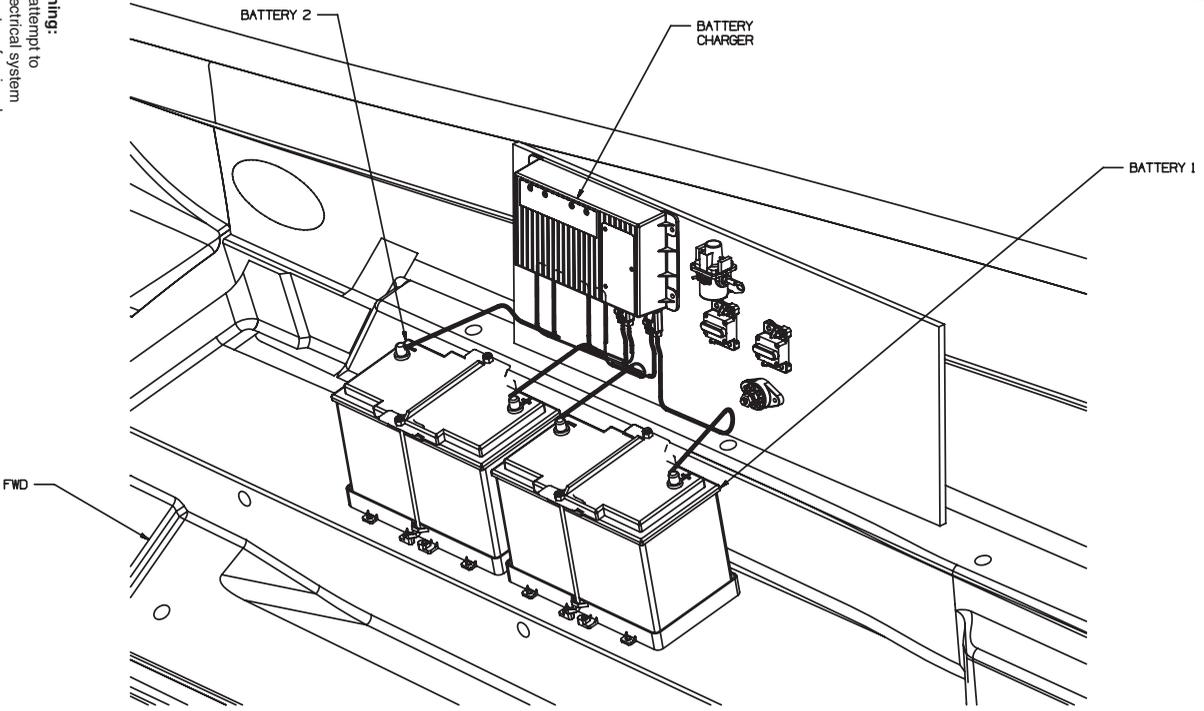
PORT DECK HARNESS
DRAWING NO. 09-806
(Fig. 21.2)



Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

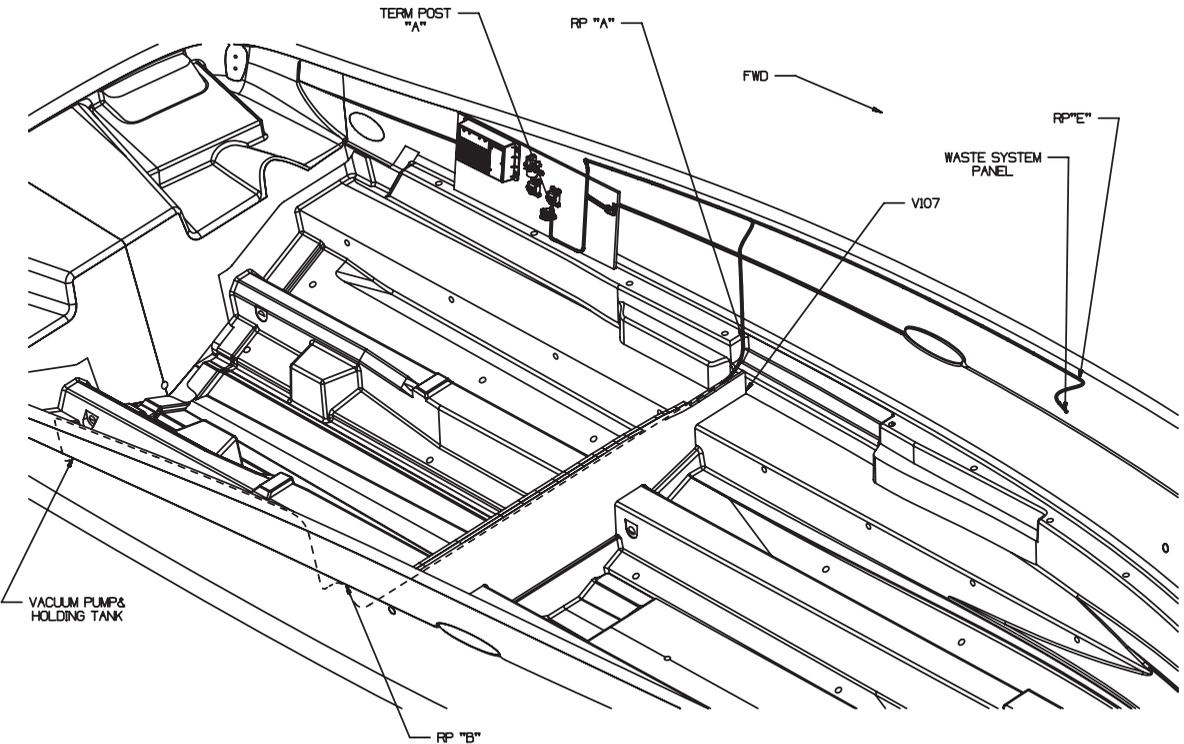
ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

BATTERY CHARGER HARNESS
 DRAWING NO. 09-809
 (Fig. 22.1)



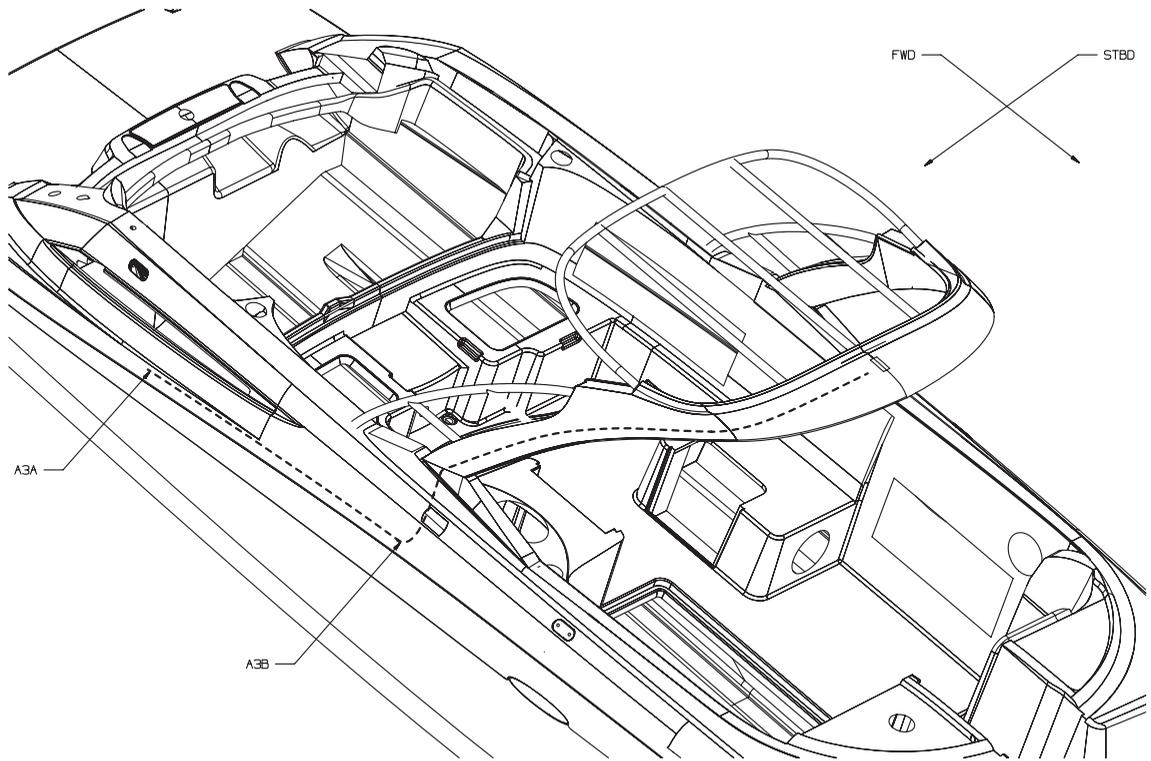
Warning:
 DO NOT attempt to
 work on the electrical system
 of this boat without professional
 assistance.

WASTE SYSTEM HARNESS
 DRAWING NO. 09-811
 (Fig. 22.2)

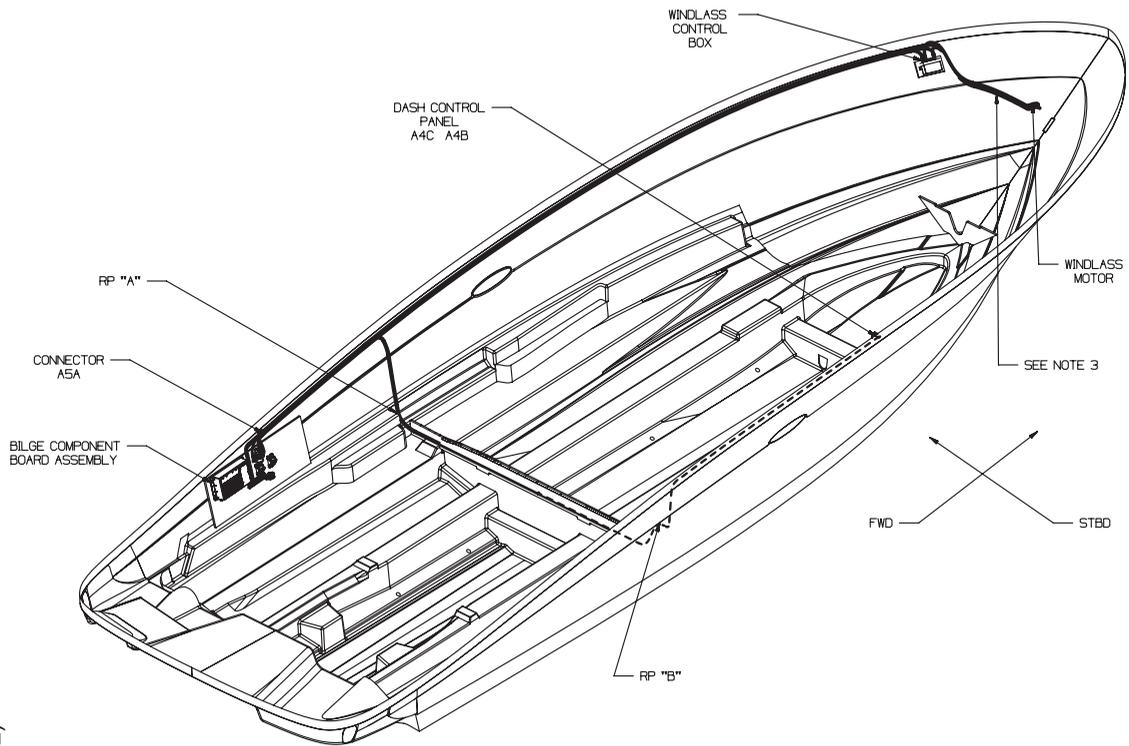


ELECTRICAL SCHEMATICS, 270 SELECT EX (CONTINUED)

SPORT TOWER HARNES
DRAWING NO. 09-813
(Fig. 23.1)



WINDLASS HARNES
DRAWING NO. 09-821
(Fig. 23.2)



Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

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