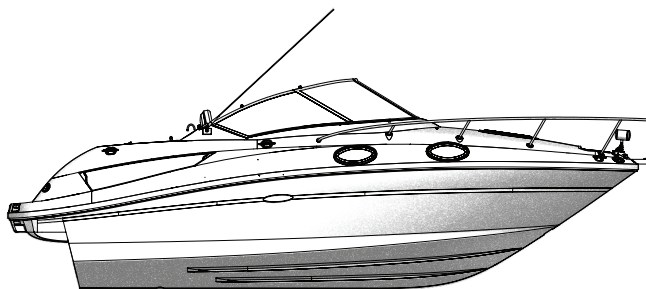


Sea Ray 

Specific
Information
Manual

240 Sundancer



Manual Part Number: MRP 1902273



240 SUNDANCER SPECIFIC INFORMATION MANUAL

TABLE OF CONTENTS

1. Load Capacity	1
2. Passenger Locations	1
3. Safety Label Locations	2
4. Basic Boat Dimensions and Clearances	5
5. Function and Location of Through-Hull Cutouts	6
6. Helm, Gauge & Switch Layout	7
7. Deck Layout	8
8. Cleats	9
9. Navigation and Anchor Lights	9
10. Lighting	9
11. Bilge Layout	10
12. Fire Extinguishing System	11
13. Fuel System	11
A. Gasoline Fuel System	11
B. Diesel Fuel System (Optional)	11
14. Water System	11
15. Entertainment System	12
16. Canvas	12
17. Electrical Schematic	12

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
240 Sundancer

Printed in the U.S.A. April 2007

© Sea Ray Boats, Inc. • A Brunswick Company
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.

The following are registered trademarks of the Brunswick Corporation: Sea Ray® & The SR Wave Logo

Sea Ray 



THIS PAGE INTENTIONALLY LEFT BLANK



240 SUNDANCER OWNERS MANUAL

1. LOAD CAPACITY

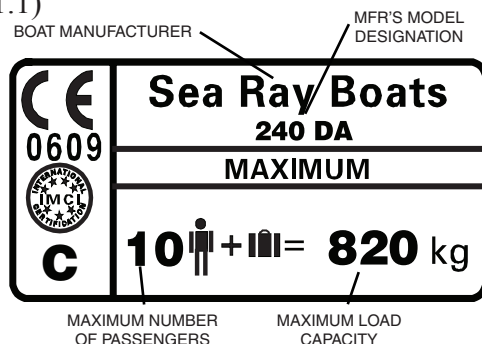
Refer to the General Information Manual for a detailed explanation of *Load Capacity*.

DANGER

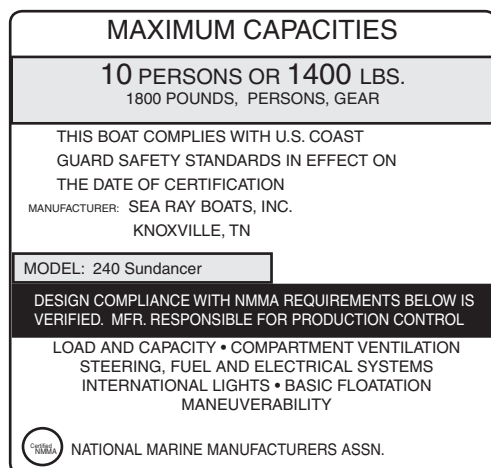
Never carry more weight or passengers than indicated on the certification plate, regardless of weather or water conditions.

The boat can capsize, swamp or sink.

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



BUILDER'S PLATE (DOMESTIC)
(FIG. 1.2)



2. PASSENGER LOCATIONS

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

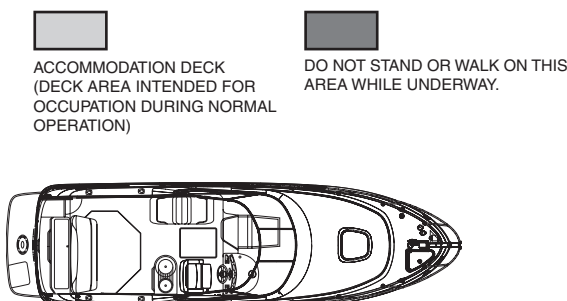
WARNING

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. 1.3)



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.

DANGER

Rotating propellers can injure or kill you.

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

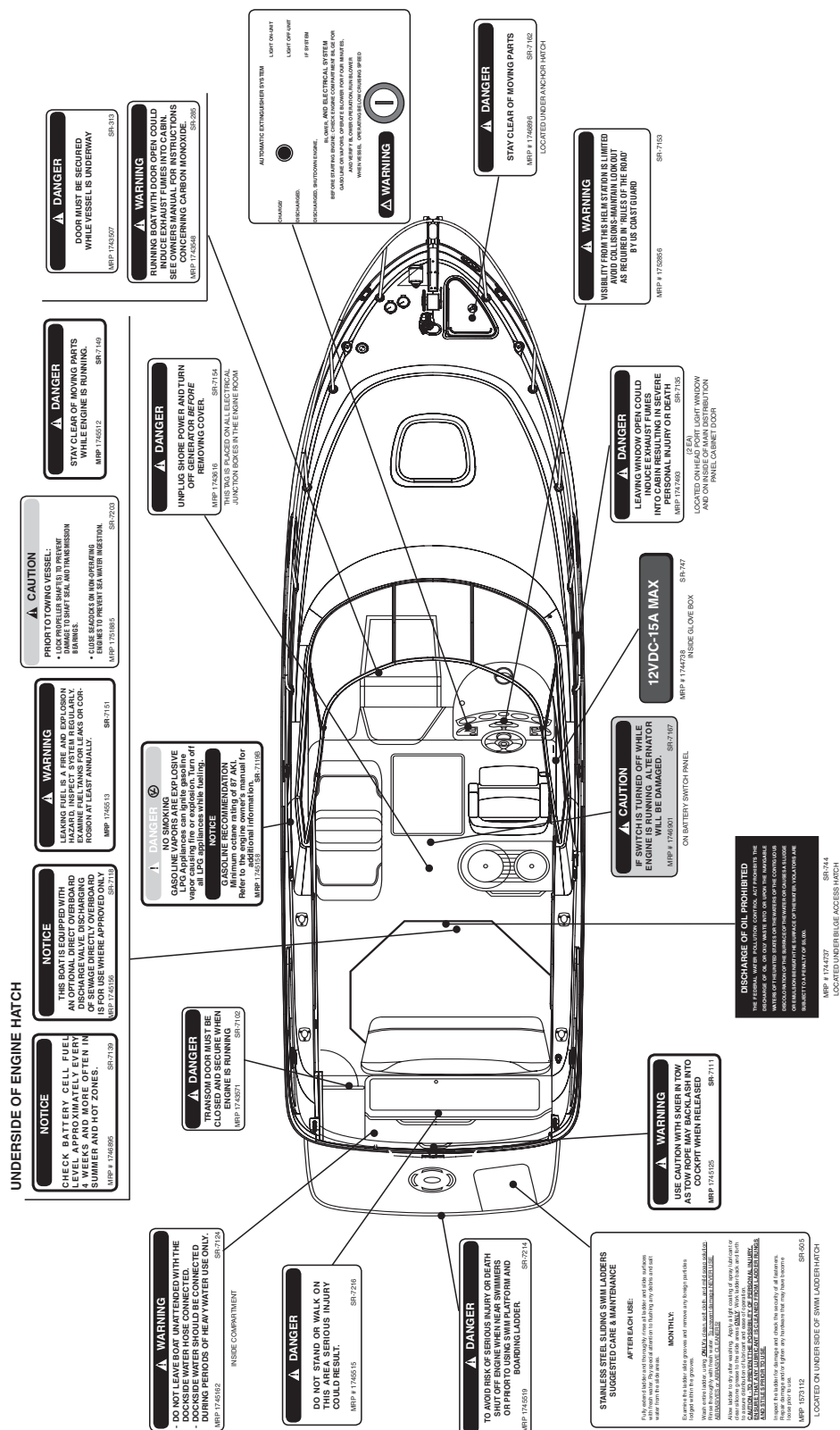
WARNING

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



3. SAFETY LABEL LOCATIONS

SAFETY LABEL LOCATIONS (FIG. 2.1)



240 SUNDANCER OWNERS MANUAL

SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS (FIG. 3.1)

12VDC-15A MAX

MRP # 1744738

SR-747

⚠ DANGER

In all gasoline powered boats, engine and generator exhaust systems produce colorless and odorless carbon monoxide gas ("CO"). Direct prolonged exposure can result in CO poisoning which may be harmful or fatal. To prevent excess exposure and reduce the possibility of accumulations of CO in the cabin and cockpit of the boat, the operator should insure adequate ventilation in each the cabin and cockpit areas, through utilization of cabin hatches, cabin doors, cabin windows, cockpit windshield windows and side windshield vents to increase air movement through the cabin and cockpit areas. The following conditions tend to increase the accumulation of CO in and about the boat and require the operator's particular attention:

1. Operation at slow speeds or dead in the water.
2. Operation with a high bow angle attitude.
3. The utilization of canvas tops, side curtains and back curtains.
4. Contributing climatic conditions, such as a head wind.
5. Operation of engines and/or generator in confined spaces or at dockside.
6. Any blockage of hull exhaust outlets.

Indications of excessive exposure to CO concentrations may include nausea, dizziness and drowsiness.

MRP 1746899

SR-7126

LOCATED INSIDE THE MAIN DISTRIBUTION
PANEL DOOR

⚠ DANGER ⚠

AVOID COLLISIONS-

- Maintain Look-out as required by the "Rules of the Road".
- Visibility can be limited by high boat trim angles, persons, gear, weather and light conditions.
- At all times proceed at a Safe Speed so that you can take proper and effective action to avoid hazardous conditions.

Such issues are considered under the control of the operator!

CARBON MONOXIDE CAN BE FATAL-

In all gasoline powered boats, engine and generator exhaust systems produce colorless and odorless carbon monoxide gas ("CO"). Direct prolonged exposure can result in CO poisoning which may be harmful or fatal. To prevent excess exposure and reduce the possibility of accumulations of CO in the cabin and cockpit of the boat, the operator should insure adequate ventilation in each the cabin and cockpit areas, through utilization of cabin hatches, cabin doors, cabin windows, cockpit windshield windows and side windshield vents to increase air movement through the cabin and cockpit areas. The following conditions tend to increase the accumulation of CO in and about the boat and require the operator's particular attention:

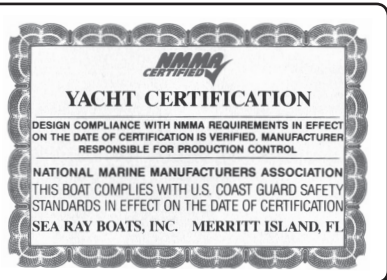
1. Operation at slow speeds or dead in the water.
2. Operation with a high bow angle attitude.
3. The utilization of canvas tops, side curtains and back curtains.
4. Contributing climatic conditions, such as a head wind.
5. Operation of engines and/or generator in confined spaces or at dockside.
6. Any blockage of hull exhaust outlets.

Indications of excessive exposure to CO concentrations may include nausea, dizziness and drowsiness.

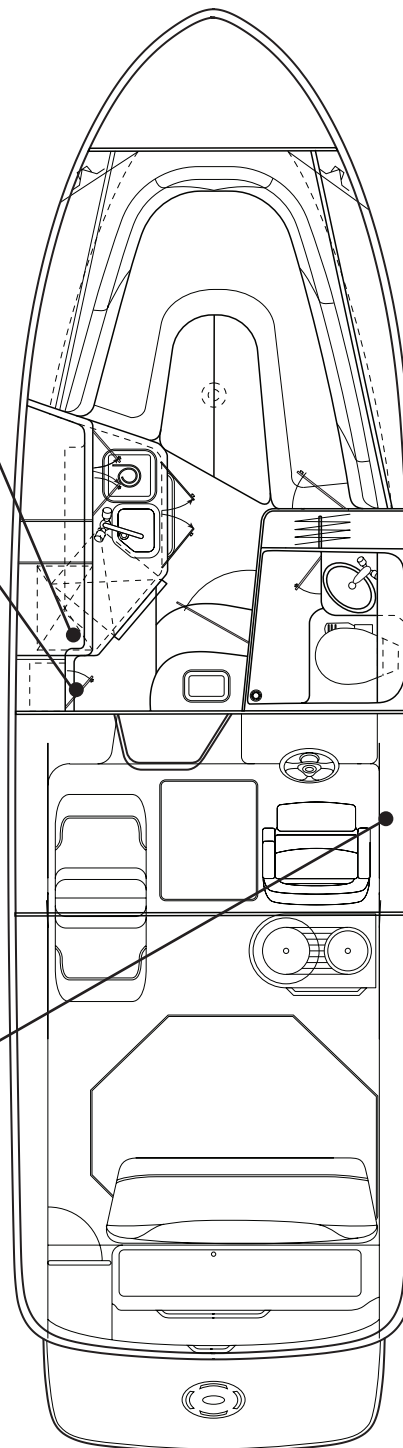
DO NOT USE Sun Pads, Boarding Ladder or Swim Platform and Transom Door should be closed when engine is running.

MRP 1749696

SR-7193



NMMA CERTIFICATION TAG



240 SUNDANCER OWNERS MANUAL

SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS
(FIG. 4.1)

Save Our Seas

It is *illegal* to dump plastic trash anywhere into the ocean or navigable waters of the United States. Violation of these requirements may result in civil penalty up to \$25,000, a fine of \$50,000 and imprisonment for up to five years.

PLASTIC - Includes but is not limited to: plastic bags, styrofoam cups and lids, six-pack holders, stirrers, straws, milk jugs, egg cartons, synthetic fishing nets, ropes, lines, and bio or photo degradable plastics.

GARBAGE - Means paper, rags, glass, metal, crockery (generated in living spaces aboard the vessel-what we normally call trash), and all kinds of food, maintenance and cargo-associated waste. "Garbage" does not include fresh fish or fish parts, dishwater, and gray water.

INSIDE 3 MILES

(and in U.S. Lakes, Rivers, Bays and Sounds)

PLASTICS

DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT
ANY GARBAGE EXCEPT DISHWATER/GRAYWATER/FRESH FISH PARTS

3 TO 12 MILES

PLASTICS

DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT
ANY GARBAGE NOT GROUND TO LESS THAN ONE SQUARE INCH

12 TO 25 MILES

PLASTICS

DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT

12 TO 25 MILES

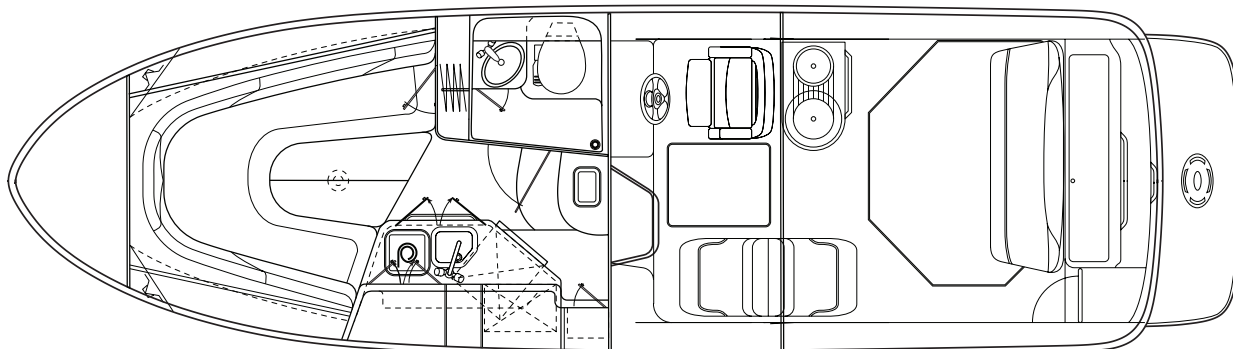
PLASTICS

DUNNAGE- Material used to block and brace cargo, and is considered a cargo associated waste.

DISHWATER- Means the liquid residue from the manual or automatic washing of dishes and cooking utensils which, have been pre-cleaned to the extent that any food particles adhering to them would not normally interfere with the operation of automatic dishwashers.

GRAYWATER - Means drainage from a dishwasher, shower, laundry, bath, and washbasin, and does not include drainage from toilets, urinals, hospitals, and cargo spaces.

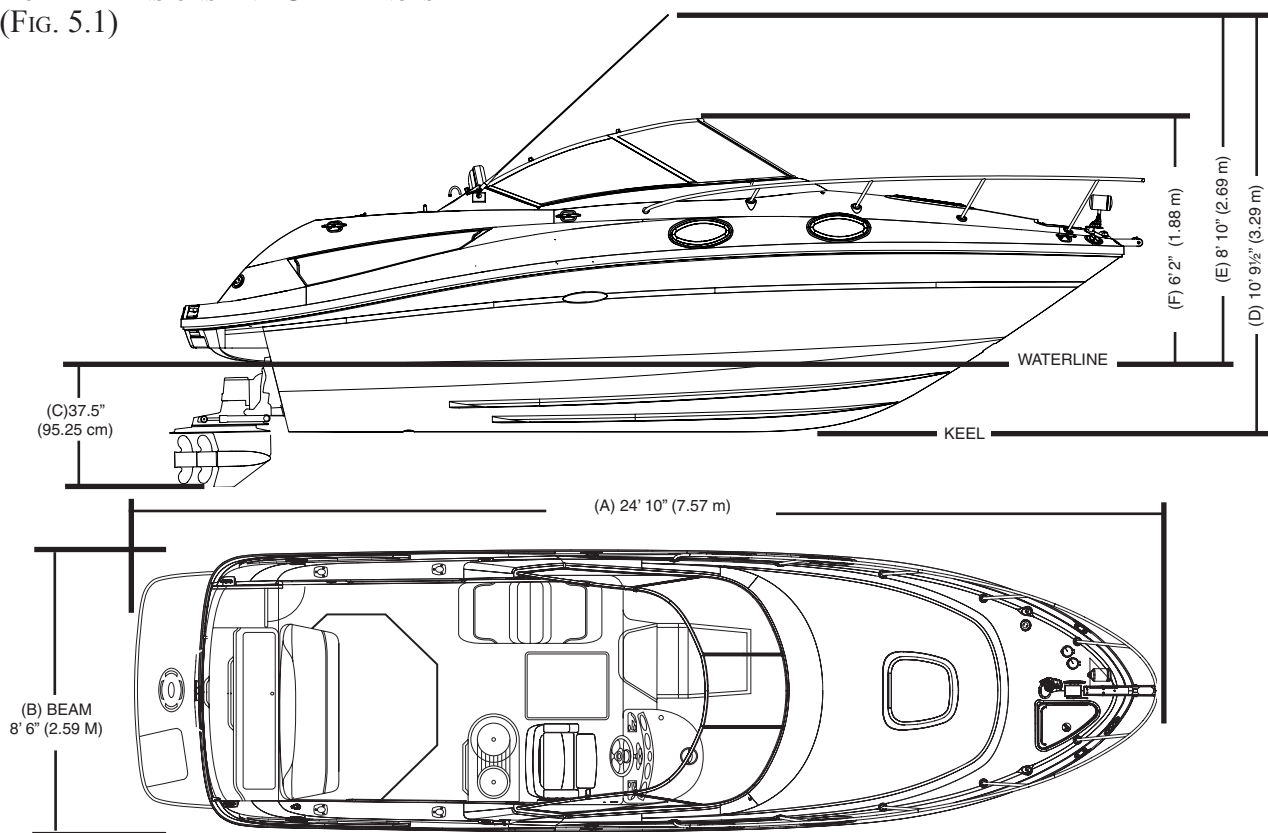
LOCATED ON INSIDE OF WET BAR CABINET DOOR



240 SUNDANCER OWNERS MANUAL

4. BASIC BOAT DIMENSIONS AND CLEARANCES

BOAT DIMENSIONS AND CLEARANCES
(FIG. 5.1)



240 SUNDANCER® SPECIFICATIONS

(A) Overall Length		
With Std. Swim Platform.....	24ft. 10in.	7.57 m
(B) Beam (Width).....	8ft. 6in.	2.59 m
(C) Draft (Stern Drive Down)	37.5in.*	95 cm*
Draft (Stern Drive Up).....	20.5in.*	52 cm*

* MINIMUM WATER DEPTH TO PREVENT RUNNING AGROUND

Dry Weight	5,593 lbs.	2,537 kg.
Fuel Capacity	75 gal.	283.9 liters
Usable Fuel	71 gal.	268.8 liters
Water Capacity	20 gal.	75.7 liters
Holding Tank	18 gal.	68.1 liters
Dead Rise	18°	

HEIGHT DIMENSIONS

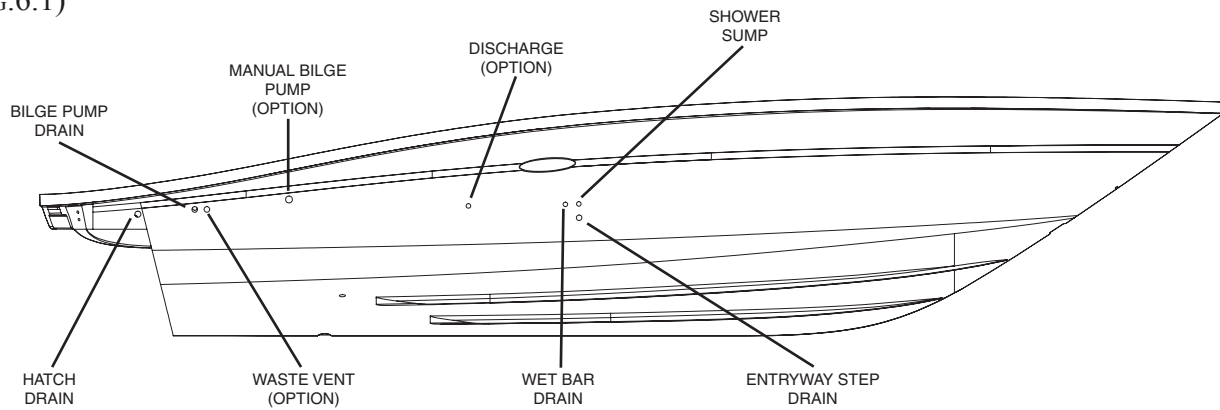
(D) Keel to Top of Antenna.....	10ft. 9.5in.	3.29 m
(E) Waterline to Top of Antenna.....	8ft. 10in.	2.69 m
(F) Waterline to Top of Windshield	6ft. 2in.	1.88 m



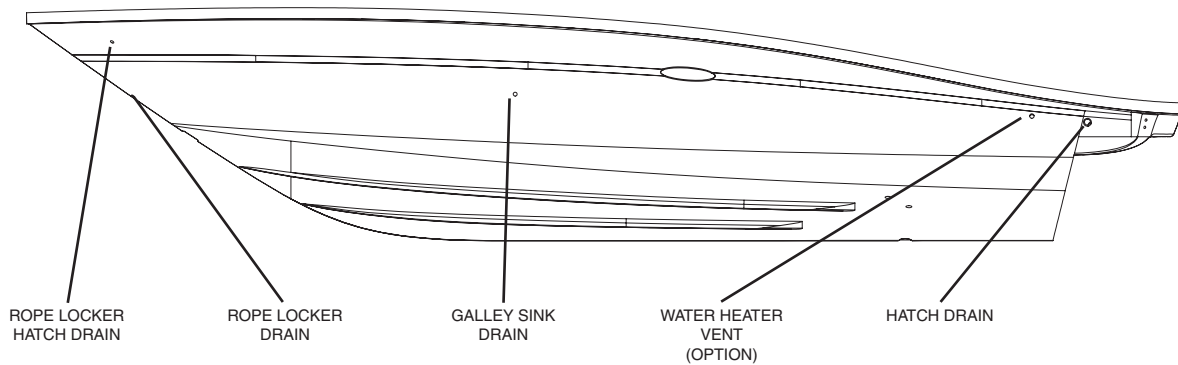
240 SUNDANCER OWNERS MANUAL

5. FUNCTION AND LOCATION OF THROUGH-HULL CUTOUTS

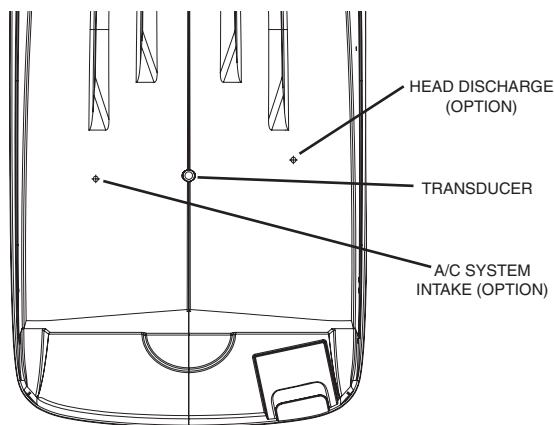
STARBOARD THROUGH-HULL CUTOUTS
(FIG. 6.1)



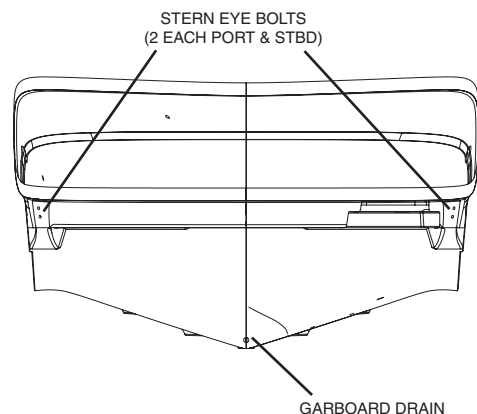
PORT THROUGH-HULL CUTOUTS
(FIG. 6.2)



BILGE THROUGH-HULL CUTOUTS
(FIG. 6.3)



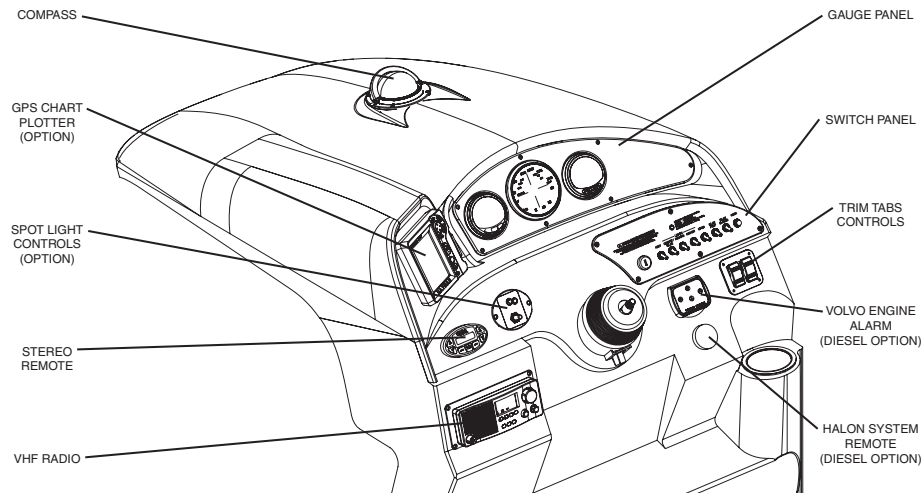
TRANSOM THROUGH-HULL CUTOUTS
(FIG. 6.4)



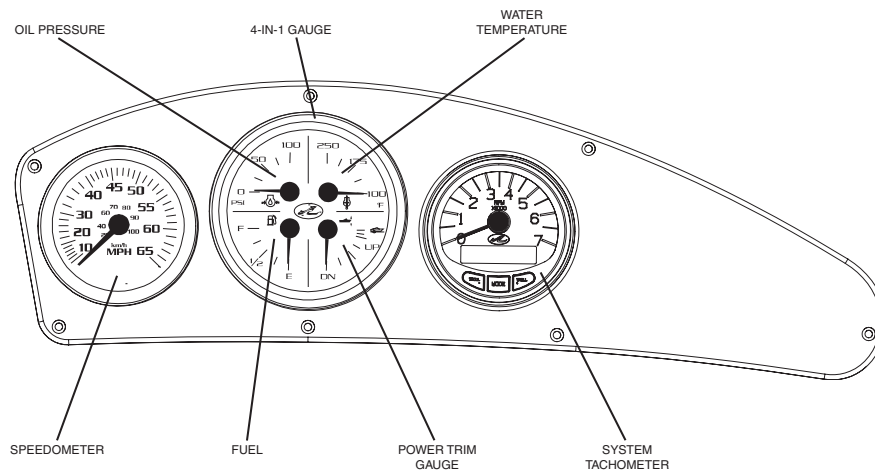
240 SUNDANCER OWNERS MANUAL

6. HELM, GAUGE & SWITCH LAYOUT

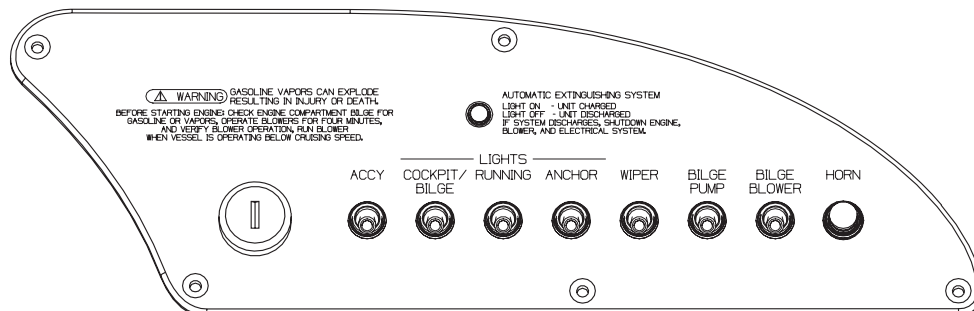
HELM LAYOUT (FIG. 7.1)



GAUGE PANEL (FIG. 7.2)



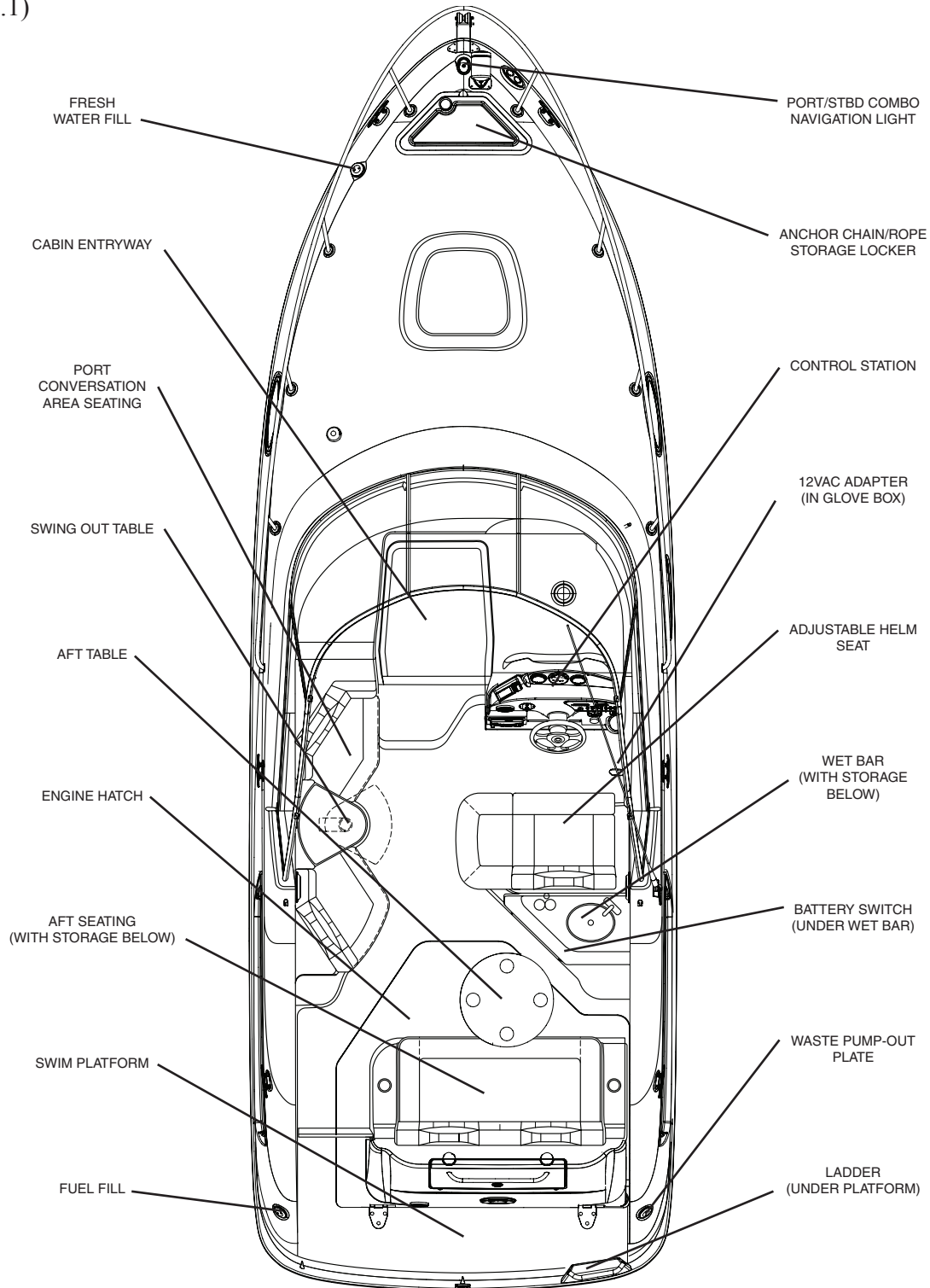
SWITCH PANEL (FIG. 7.3)



240 SUNDANCER OWNERS MANUAL

7. DECK LAYOUT

GENERAL LAYOUT
(FIG. 8.1)

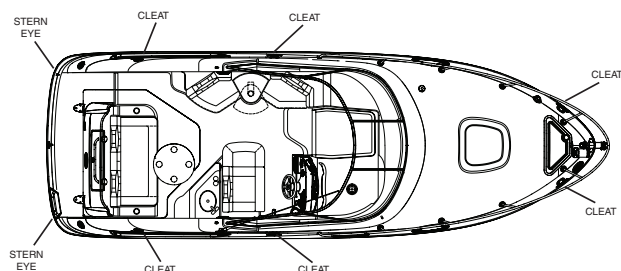


240 SUNDANCER OWNERS MANUAL

8. CLEATS

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

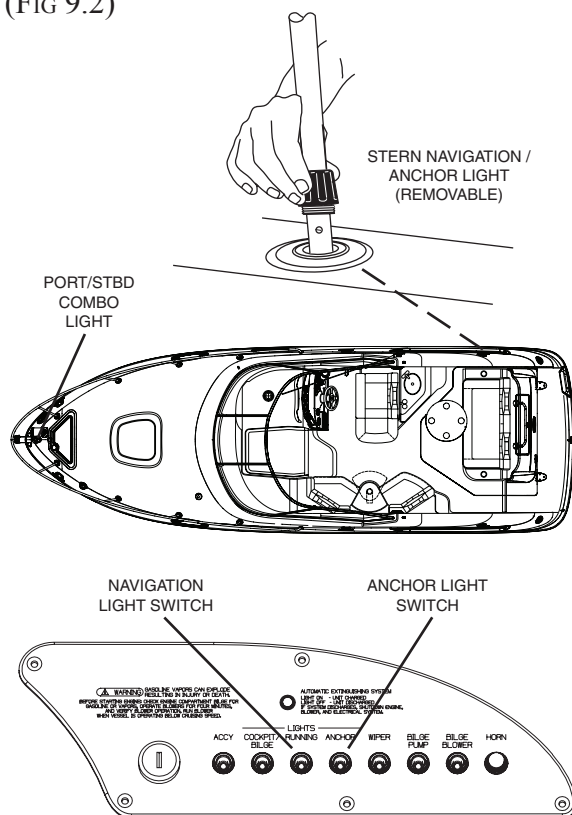
CLEAT LOCATIONS
(FIG. 9.1)



9. NAVIGATION AND ANCHOR LIGHTS

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

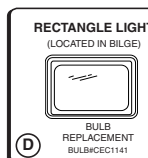
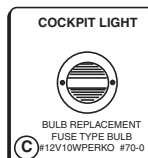
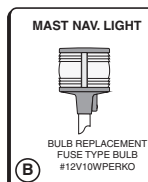
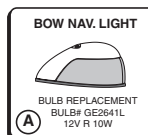
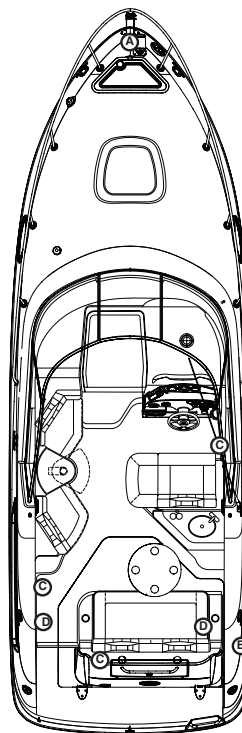
NAVIGATION AND ANCHOR LIGHT/SWITCHES
(STBD HELM SWITCH PANEL)
(FIG. 9.2)



10. LIGHTING

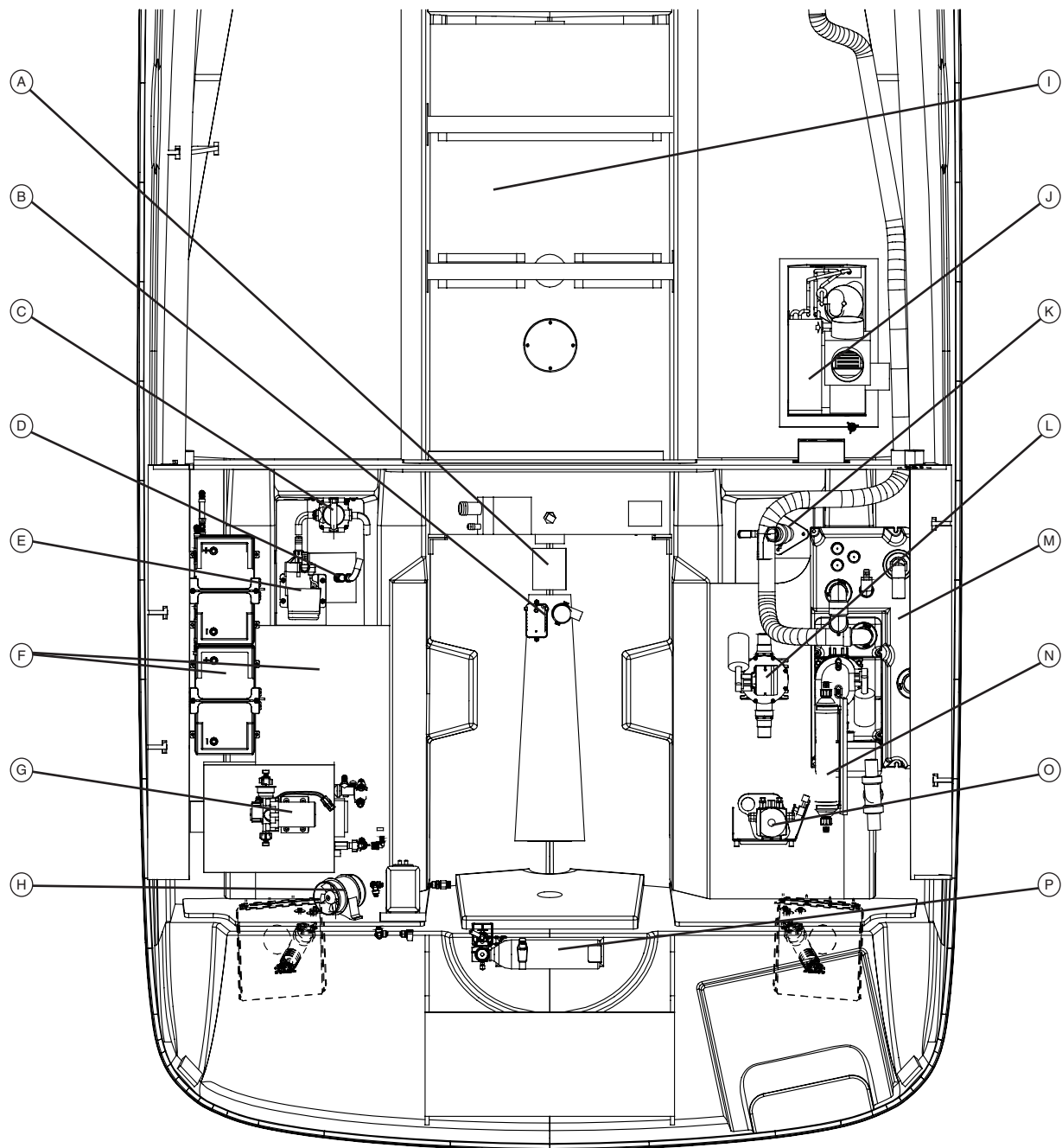
See General Information Manual for a detailed explanation of the lighting.

EXTERIOR LIGHTS
(FIG. 9.3)



11. BILGE LAYOUT

BILGE LAYOUT
(FIG. 10.1)



- | | | | |
|-------------------------------|-----------------------|----------------------------------|------------------------|
| (A) TRANSDUCER | (E) BATTERIES | (I) A/C SYSTEM* | (M) WASTE VENT FILTER* |
| (B) BILGE PUMP & FLOAT SWITCH | (F) FRESH WATER PUMP* | (J) OVERBOARD DISCHARGE SEACOCK* | (N) POWER TRIM PUMP |
| (C) A/C SYSTEM STRAINER* | (G) BLOWER | (K) MACERATOR* | (O) FIRE EXTINGUISHER* |
| (D) A/C INTAKE SEACOCK* | (H) FUEL TANK | (L) WASTE WATER HOLDING TANK* | (P) |
| A/C PUMP* | | | |



240 SUNDANCER OWNERS MANUAL

12. FIRE EXTINGUISHING SYSTEM

Your 240DA has an automatic fire extinguisher system installed standard. Refer to the General Information Manual for a detailed explanation of the automatic fire extinguisher system.

13. FUEL SYSTEM

A. GASOLINE FUEL SYSTEM

The standard gasoline fuel system on your 240DA consists of a 75 gallon (283.9 liter) fuel tank, fuel tank vent, electronic fuel sender, anti-siphon valve, engine fuel supply line and fuel fill.

The optional twin engine gasoline fuel system uses a single tank with two electronic fuel senders, anti-siphon valves and engine fuel supply lines.

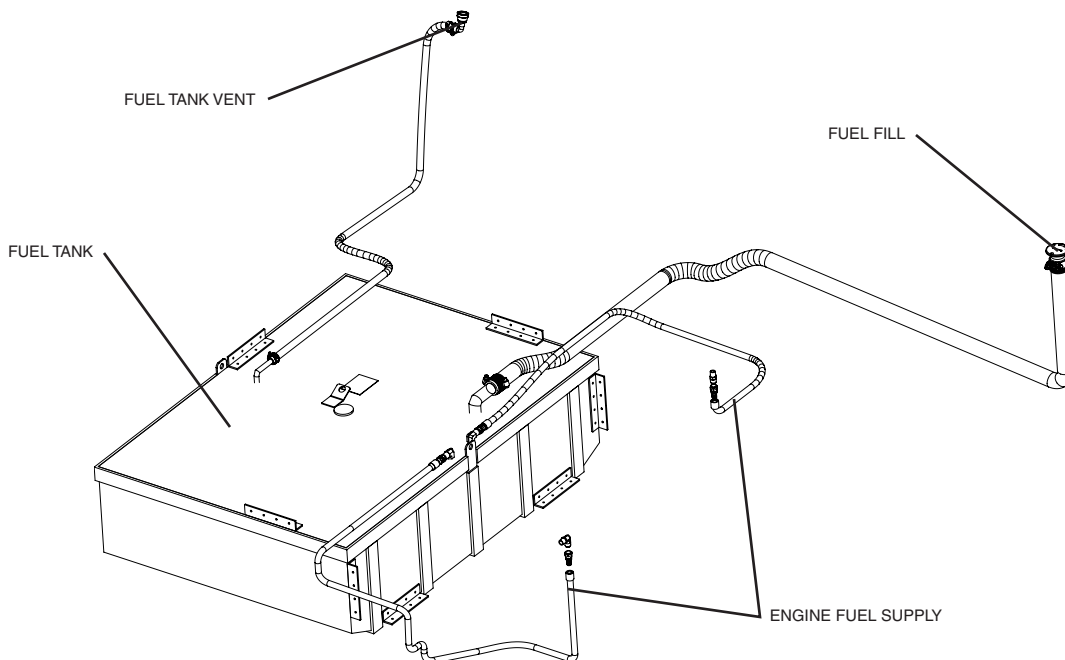
B. DIESEL FUEL SYSTEM (OPTIONAL)

The optional diesel fuel system consists of a 100 gal. (378.5 liter) fuel tank, fuel tank vents, engine fuel supply and return lines, fuel filter and fuel fill.

14. WATER SYSTEM

The fresh water system consists of a 20 gallon (75.7 liter) water tank, 12 volt water pump and water system filter. Refer to the General Information Manual for a detailed explanation of the water system.

GASOLINE FUEL SYSTEM (TWIN ENGINE SHOWN)
(FIG. 11.1)



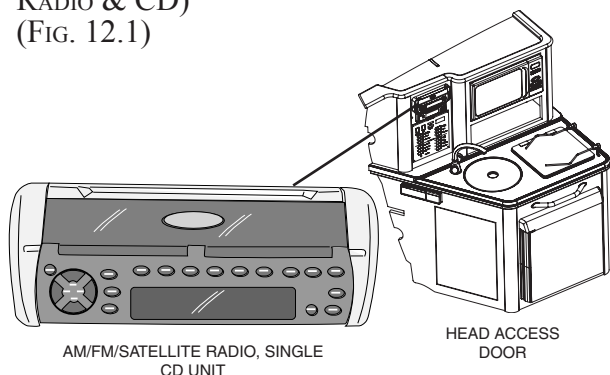
240 SUNDANCER OWNERS MANUAL

15. ENTERTAINMENT SYSTEM

The standard entertainment system on your 240DA consists of a 12V AM/FM single CD & satellite radio receiver, a remote MP3 port, amplifier, 4 speakers and digital cockpit remote control. An optional 6-disc CD changer is available.

An optional Premium Cockpit Sound System is available. It includes a 6-disc CD changer, upgraded speakers, subwoofer, amplifier and transom stereo remote.

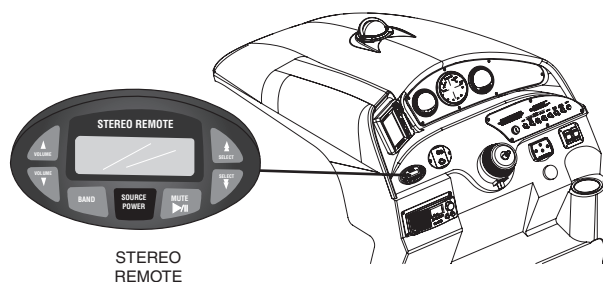
STEREO SYSTEM (12 VOLT AM/FM, SATELLITE RADIO & CD)
(FIG. 12.1)



AM/FM/SATELLITE RADIO, SINGLE CD UNIT

HEAD ACCESS DOOR

STEREO REMOTE (LOCATED ON THE DASH)
(FIG. 12.2)



STEREO REMOTE

16. CANVAS

The standard canvas consists of a Sunbrella® Bimini Top with Boot and vertical storage.

There are two optional canvas packages available. The Canvas Package consists of:

- Aft Curtain Canvas Storage Bag
- Front Curtains Side Curtains

The Canvas Package consists of:

- Camper Top w/ Boot Camper Aft Curtain
- Canvas Storage Bag Front Curtains
- Side Curtains (Bimini & Camper)

DANGER

Exhaust fumes from engines contain deadly carbon monoxide gas (CO). Boats enclosed with canvas or with poor ventilation are most likely to collect fumes.

CO sickness symptoms include headache, nausea and dizziness. Do not mistake these symptoms for sea sickness.

Ventilate boat. See Section 1.4, Carbon Monoxide, for more details.

Do not use the rear (aft) curtain while engine is running or boat is moving.

17. ELECTRICAL SCHEMATICS

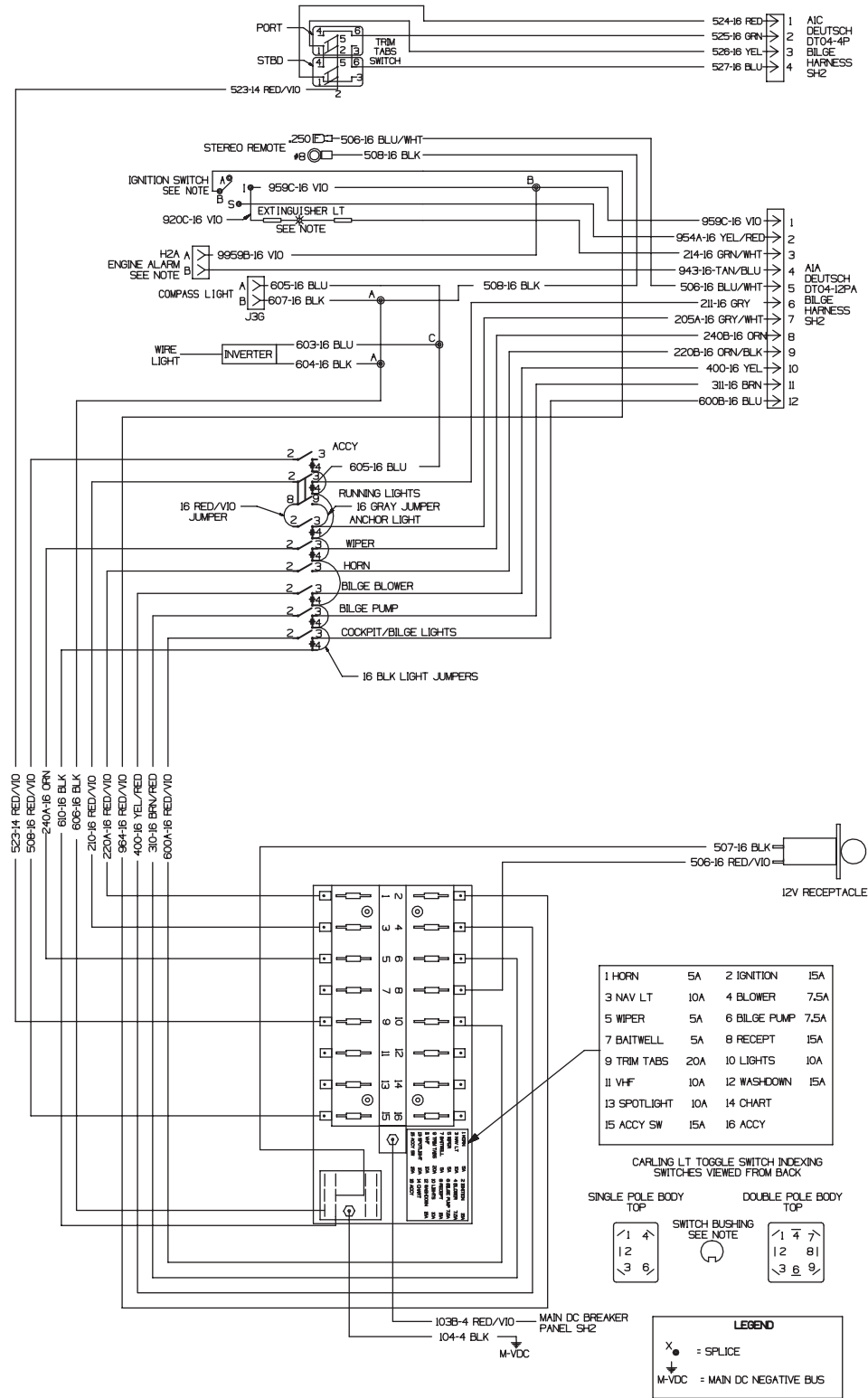
This owner's manual contains electrical schematics and wiring harness illustrations for your boat. These electrical schematics were generated by electrical CAD designers at the engineering division for technical reference and service technicians. Sea Ray® does not recommend that you attempt to work on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



240 SUNDANCER ELECTRICAL SCHEMATICS

DC WIRING DIAGRAM (1 OF 2) DRAWING NO. 09-600 (1 OF 2)

(Fig. 13.1)



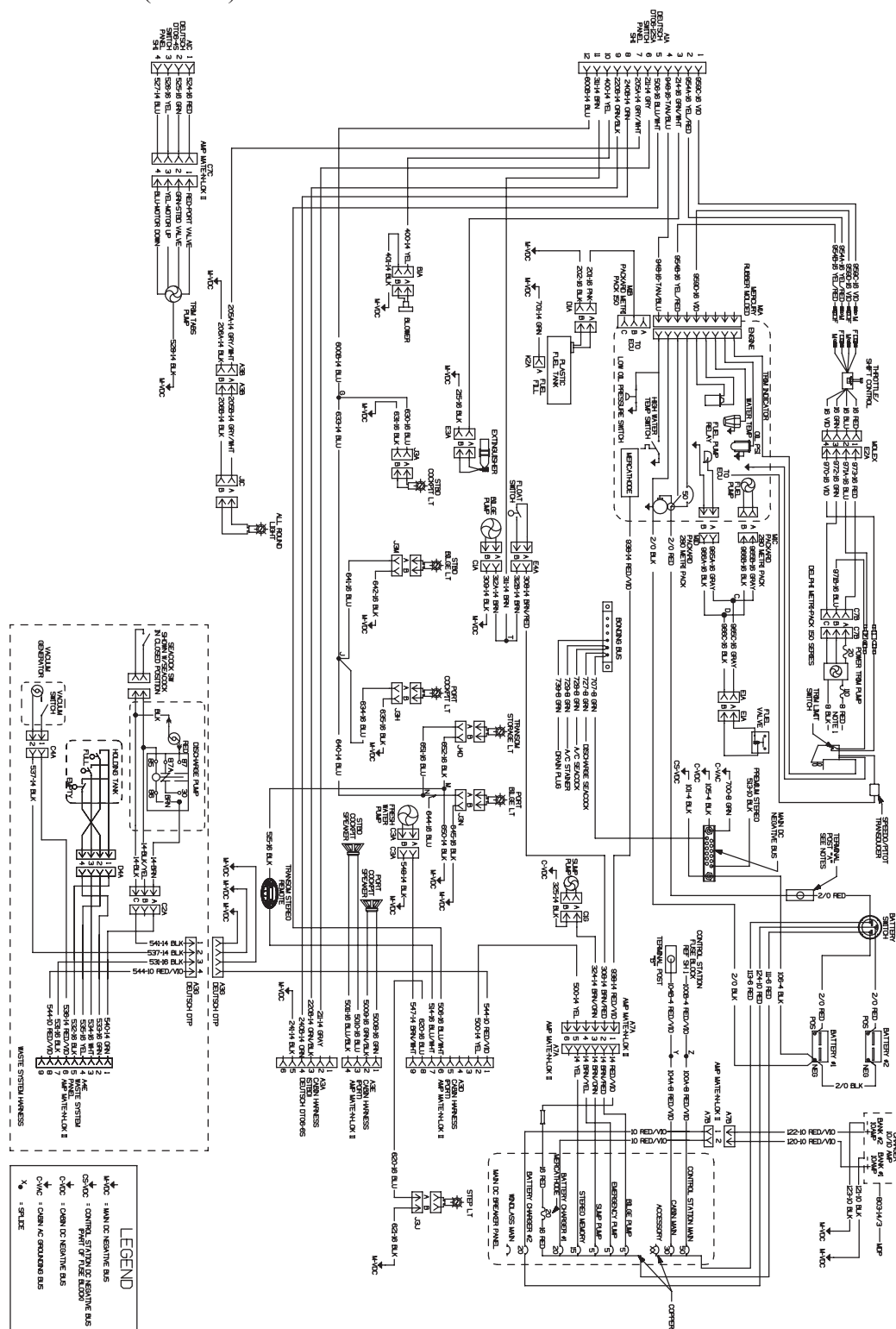
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.



240 SUNDANCER ELECTRICAL SCHEMATICS

DC WIRING DIAGRAM (2 OF 2)
DRAWING NO. 09-600 (2 OF 2)

(FIG. 14.1)

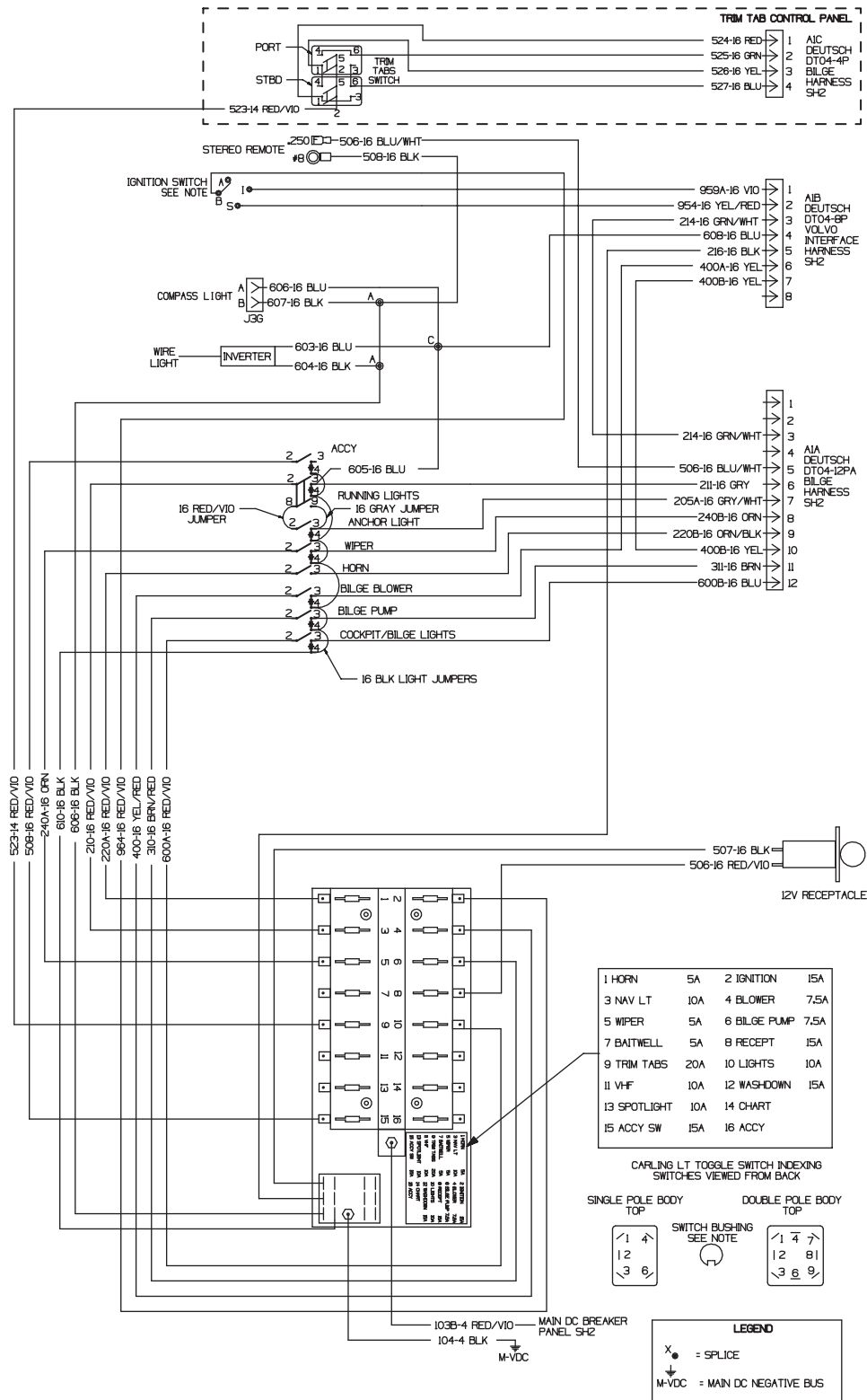


Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

240 SUNDANCER ELECTRICAL SCHEMATICS

DC WIRING DIAGRAM VOLVO DIESEL (1 OF 2) DRAWING NO. 09-604 (1 OF 2)

(Fig. 15.1)

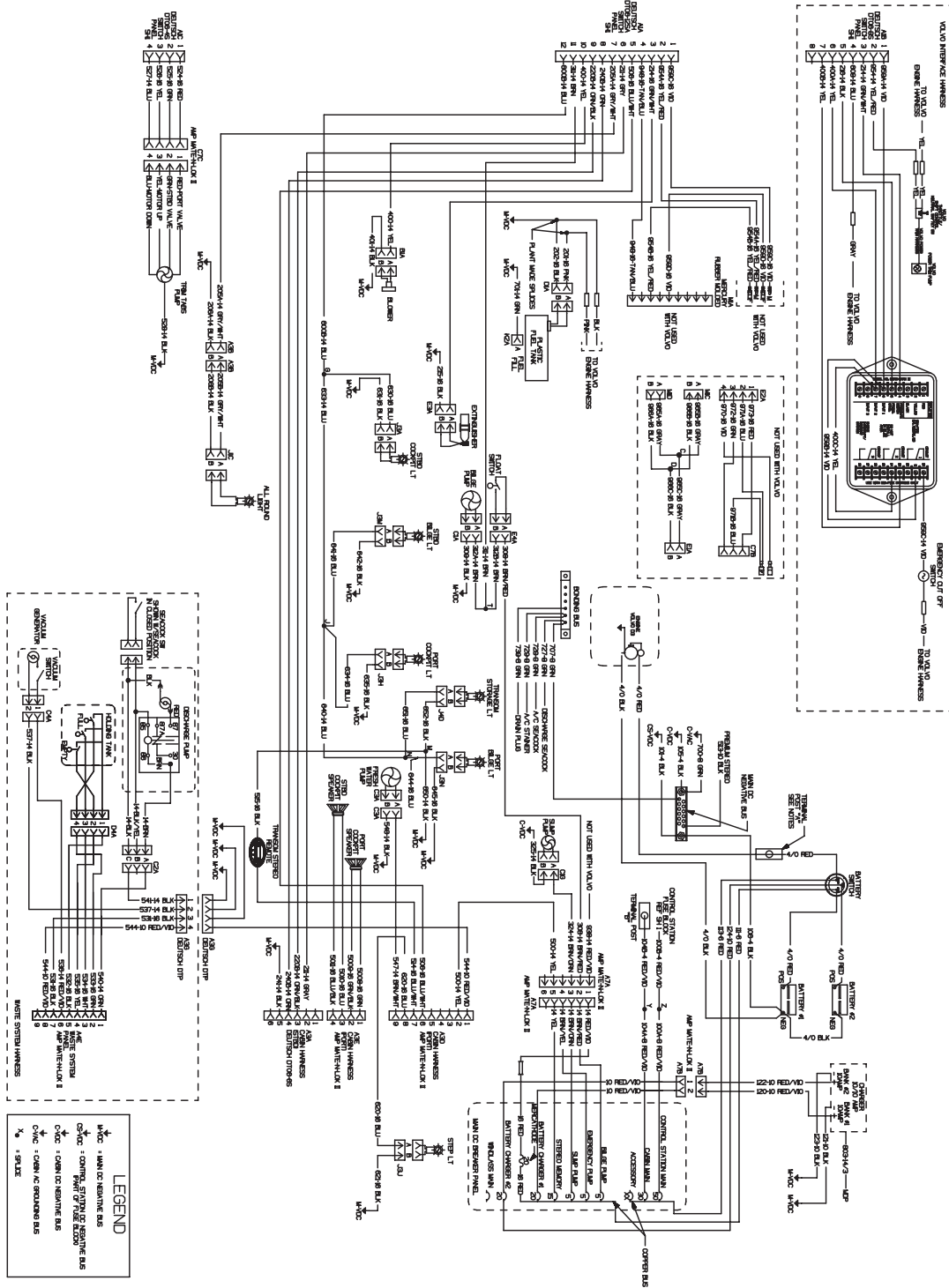


Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.



240 SUNDANCER ELECTRICAL SCHEMATICS

DC WIRING DIAGRAM VOLVO DIESEL (2 OF 2)
DRAWING NO. 09-604 (2 OF 2)
(FIG. 16.1)

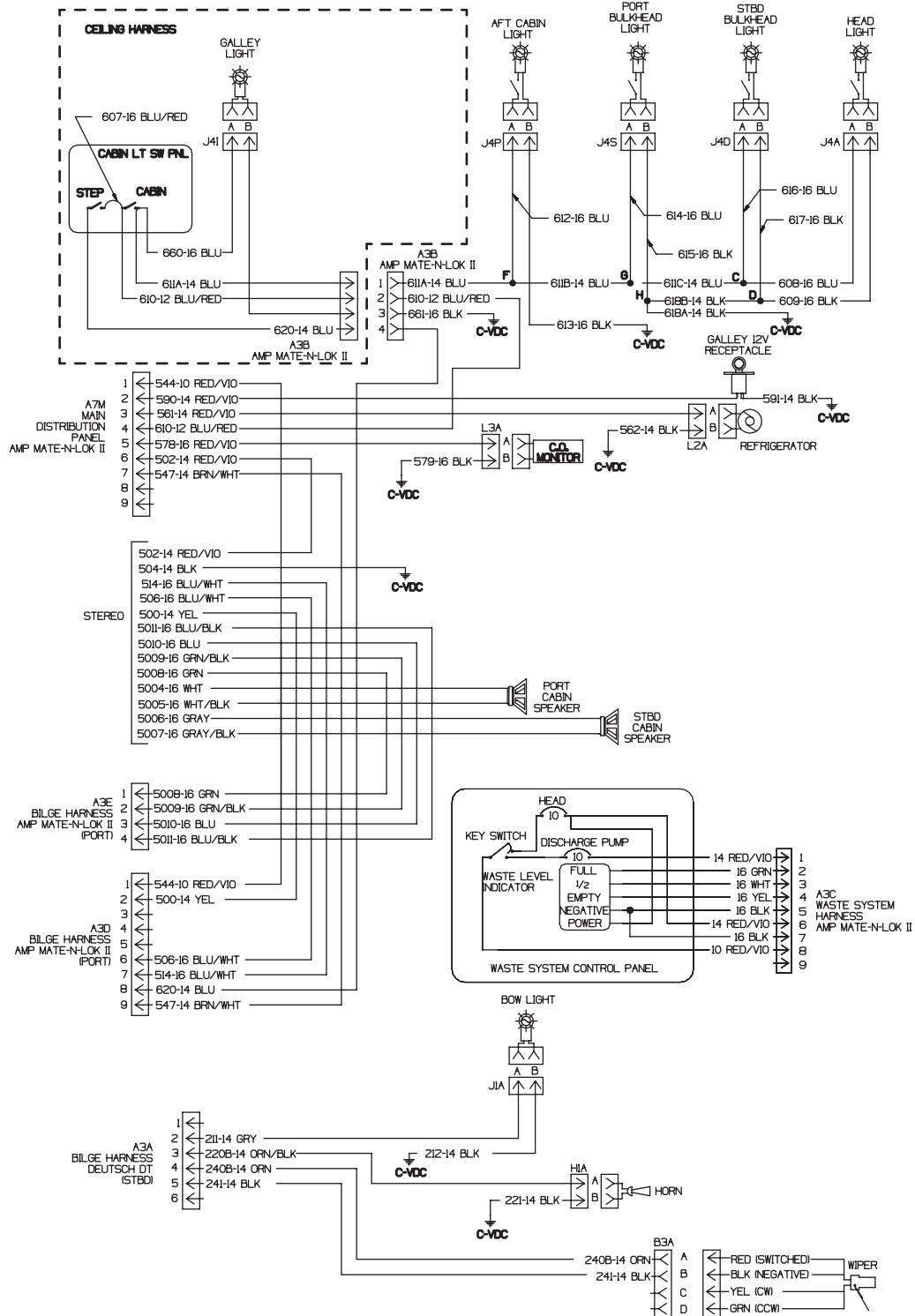


Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

240 SUNDANCER ELECTRICAL SCHEMATICS

CABIN DC WIRING DIAGRAM DRAWING NO. 09-605

(Fig. 17.1)



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

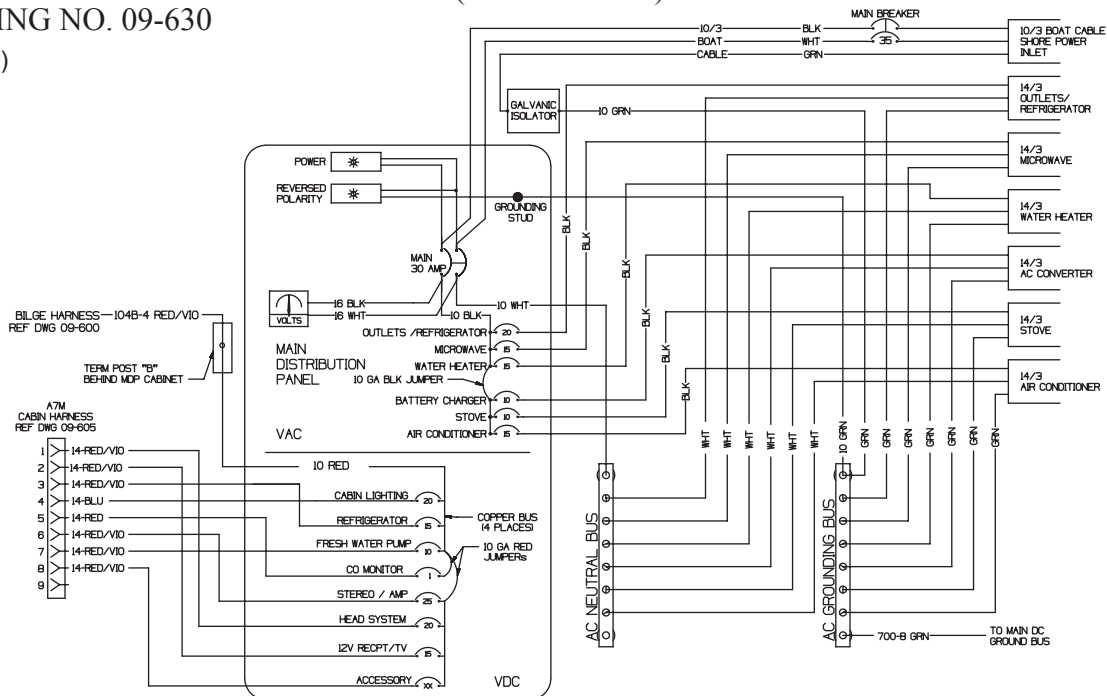


240 SUNDANCER ELECTRICAL SCHEMATICS

MAIN DISTRIBUTION PANEL WIRING DIAGRAM (120VAC/60Hz)

DRAWING NO. 09-630

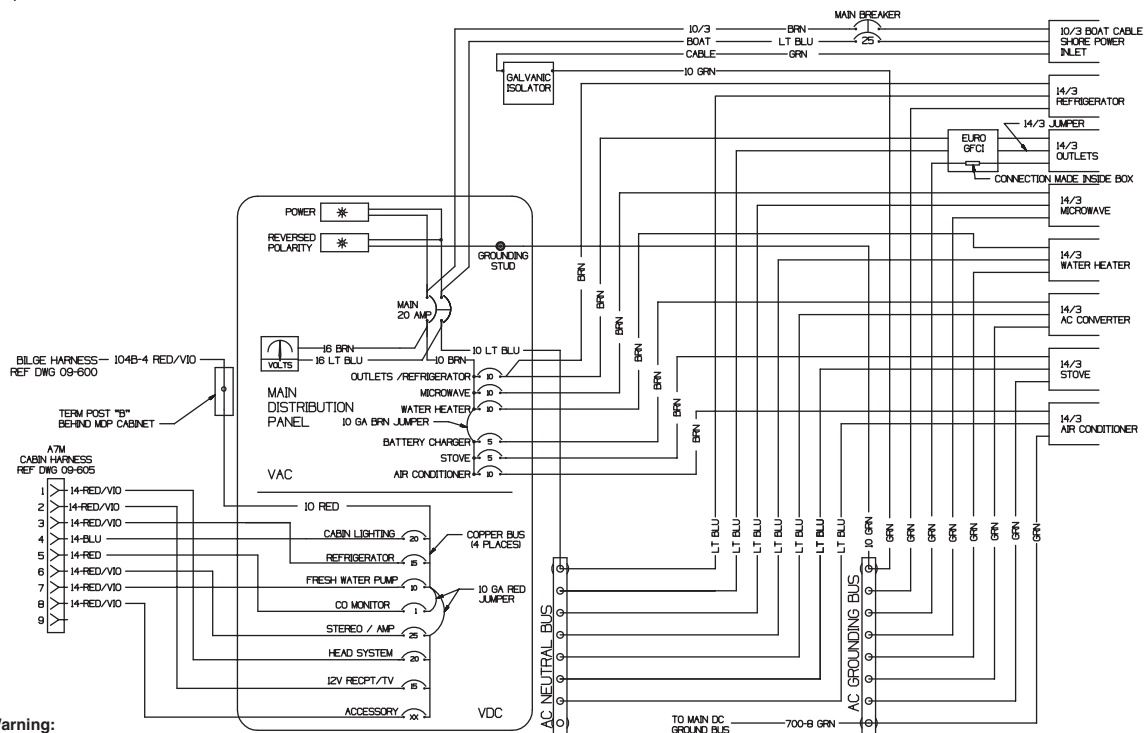
(FIG. 19.1)



MAIN DISTRIBUTION PANEL WIRING SCHEMATIC (220VAC/50Hz)

DRAWING NO. 09-632

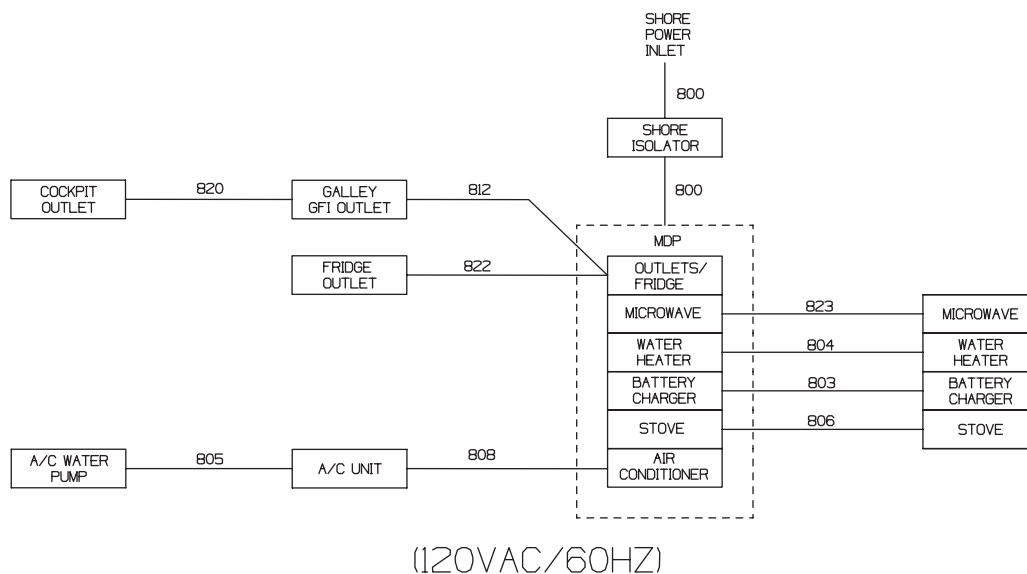
(FIG. 19.2)



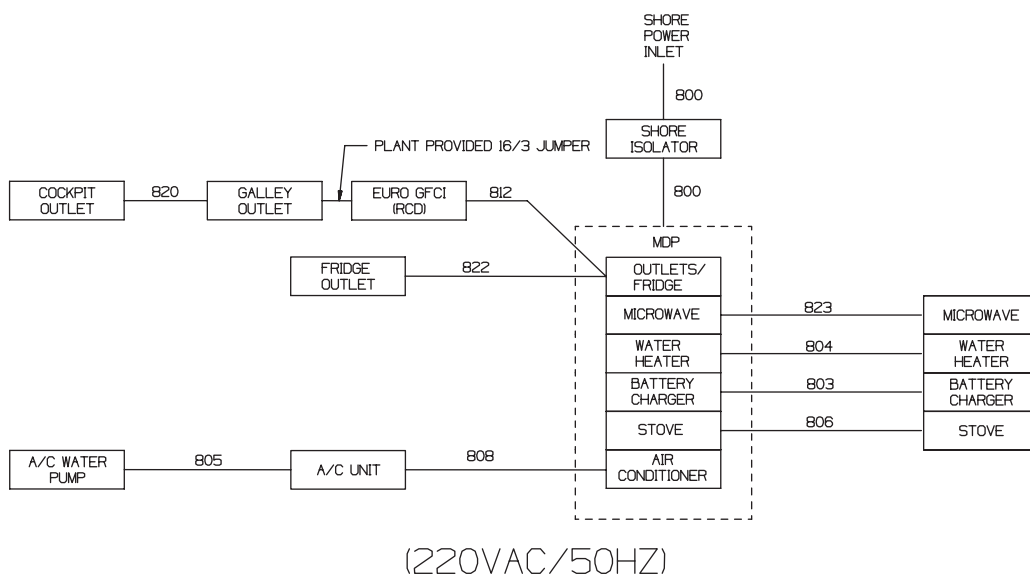
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

240 SUNDANCER ELECTRICAL SCHEMATICS

AC SYSTEM WIRING DIAGRAM (120VAC/60Hz)
DRAWING NO. 09-640 (1 OF 2)
(Fig. 20.1)



AC SYSTEM WIRING DIAGRAM (220VAC/50Hz)
DRAWING NO. 09-640 (2 OF 2)
(Fig. 20.2)

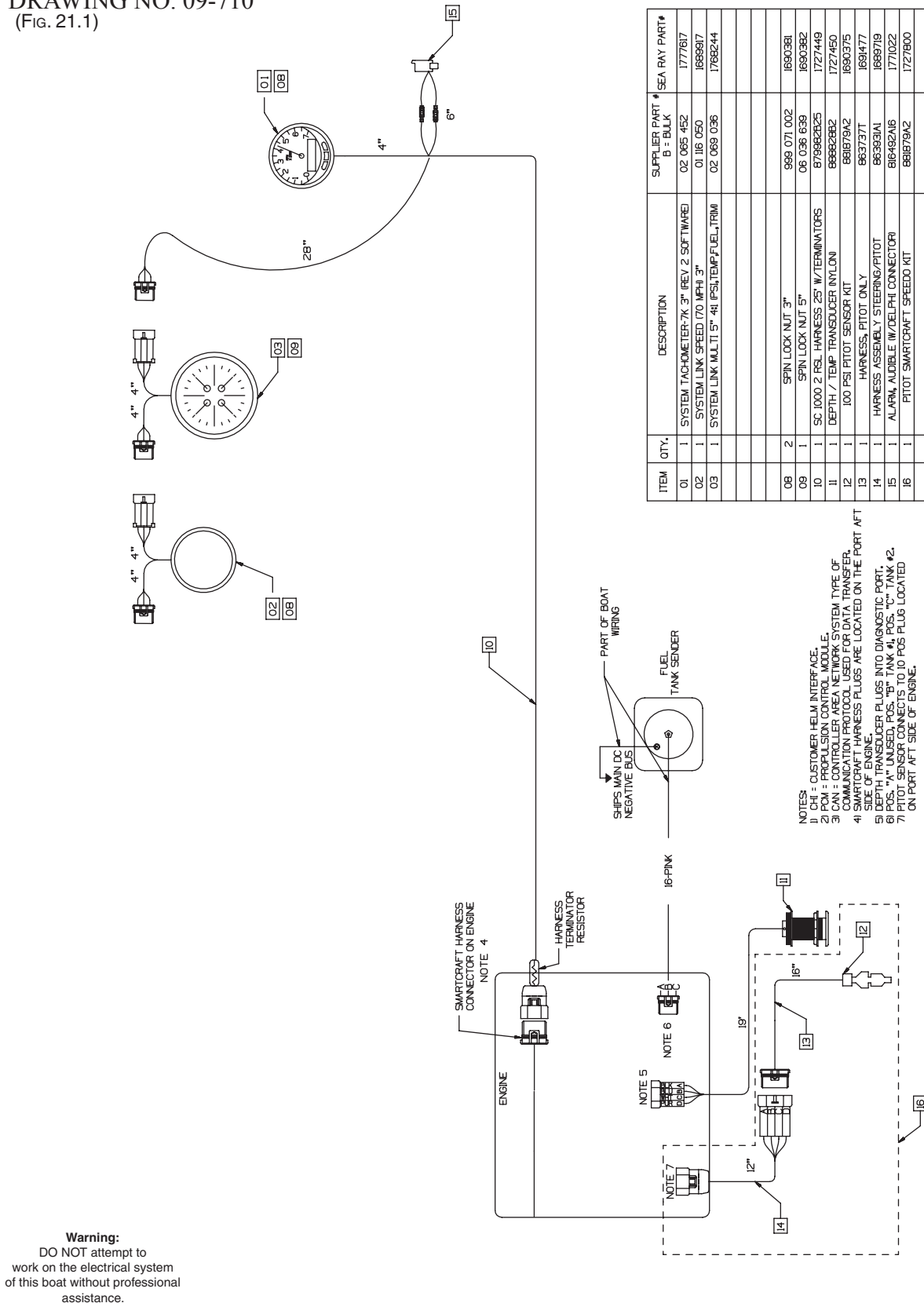


Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.



240 SUNDANCER ELECTRICAL SCHEMATICS

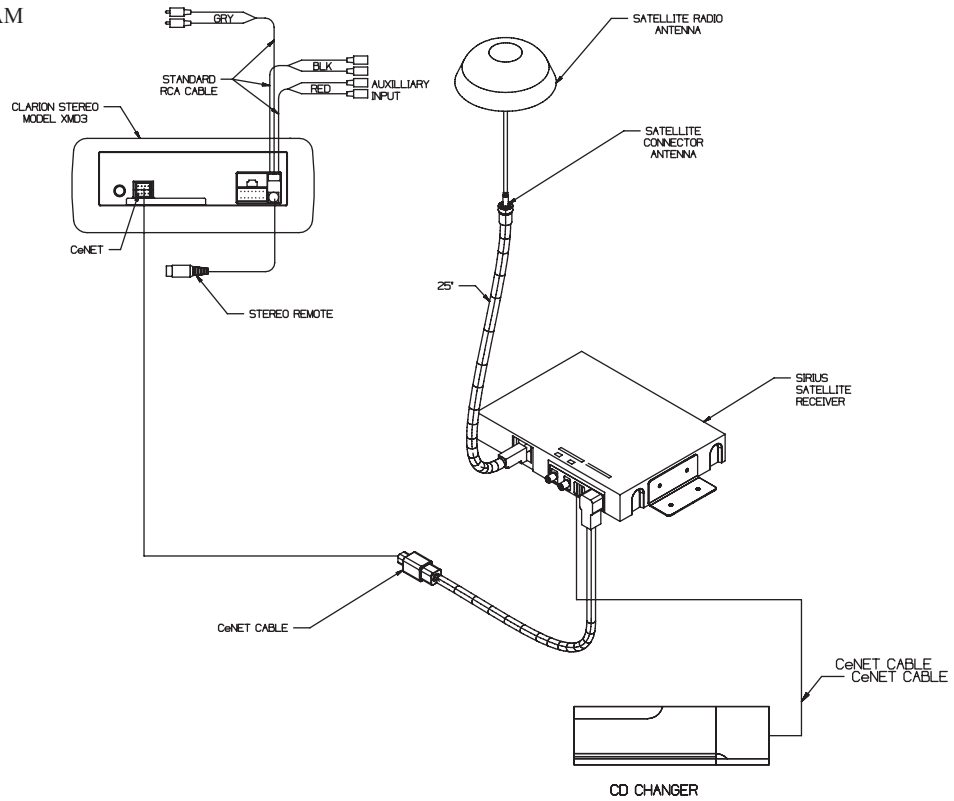
SMARTCRAFT SYSTEM DIAGRAM
DRAWING NO. 09-710
(Fig. 21.1)



240 SUNDANCER ELECTRICAL SCHEMATICS

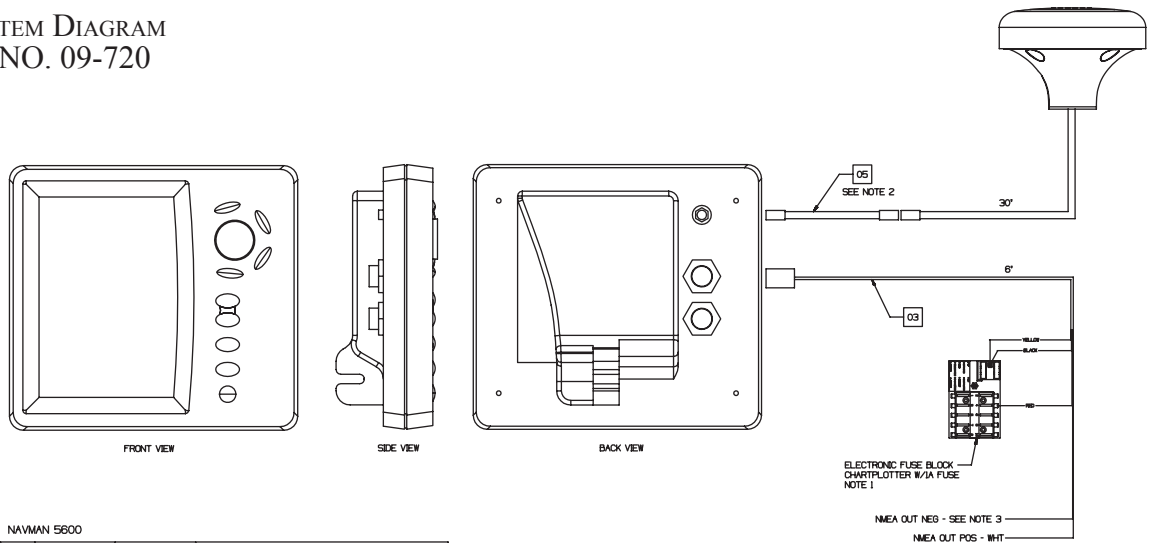
SATELLITE STEREO DIAGRAM DRAWING NO. 09-715

(FIG. 22.1)



NAVMAN SYSTEM DIAGRAM DRAWING NO. 09-720

(FIG. 22.2)



NAVMAN 5600

ITEM	SEA RAY P/N	VENDOR P/N	DESCRIPTION
	177310	AA00300R	CHART PLOTTER, NAVMAN 5600 CMPLT PKG 5" DISPLY
01	177311	AA00300R	CHART PLOTTER, NAVMAN 5600 5" DISPLY ONLY
02	1765065	AA004046R	ANTENNA, GPS NAVMAN E30
03	177308	CB00040R	HARNES, NAVMAN POWER CABLE
04	---	---	---
05	177309	AA002406R	HARNES, GPS EXT. CABLE

NAVMAN 5500

ITEM	SEA RAY P/N	VENDOR P/N	DESCRIPTION
	1772659	AA00265R	CHART PLOTTER, NAVMAN 5500 CMPLT PKG 5" DISPLY
01	177306	AA00265R	CHART PLOTTER, NAVMAN 5500 5" DISPLY ONLY
02	1765065	AA004046R	ANTENNA, GPS NAVMAN E30
03	177308	CB00040R	HARNES, NAVMAN POWER CABLE
04	---	---	---
05	177309	AA002406R	HARNES, GPS EXT. CABLE

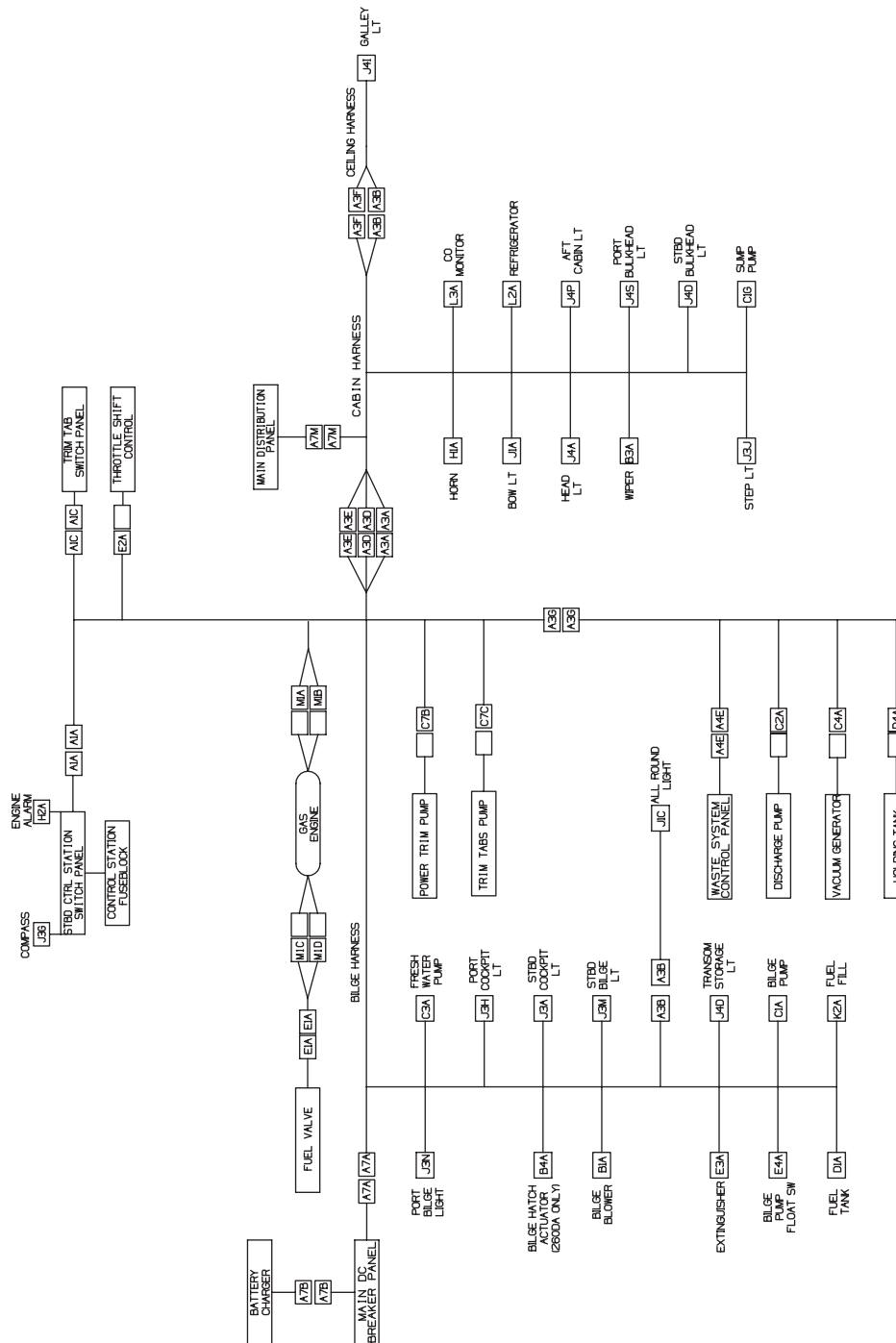
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.



240 SUNDANCER ELECTRICAL SCHEMATICS

INTERCONNECT DIAGRAM DRAWING NO. 09-760

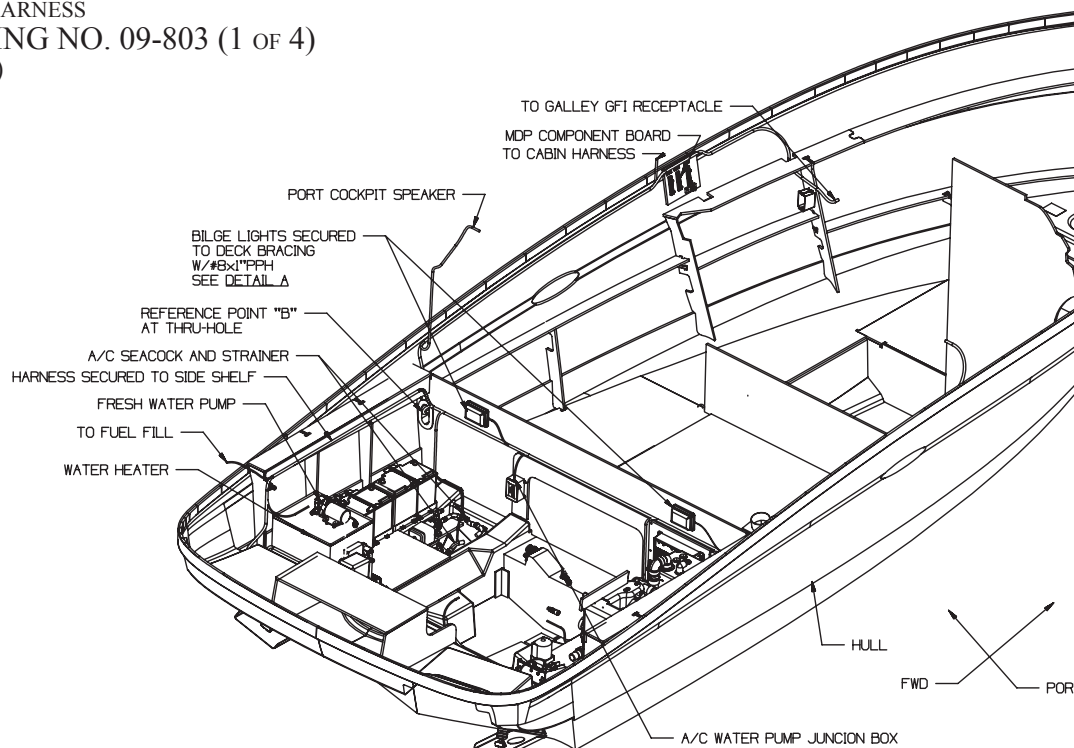
(FIG. 23.1)



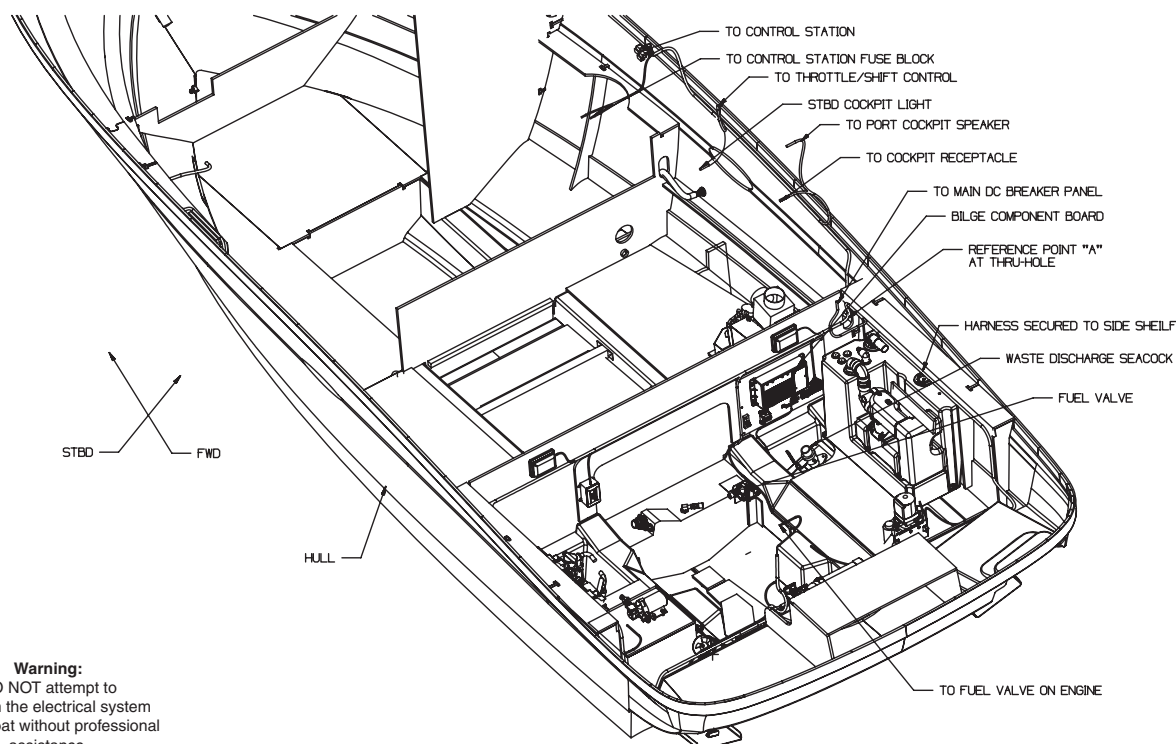
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

240 SUNDANCER ELECTRICAL SCHEMATICS

BILGE HARNESS
DRAWING NO. 09-803 (1 OF 4)
 (FIG. 24.1)



BILGE HARNESS
DRAWING NO. 09-803 (2 OF 4)
 (FIG. 24.2)

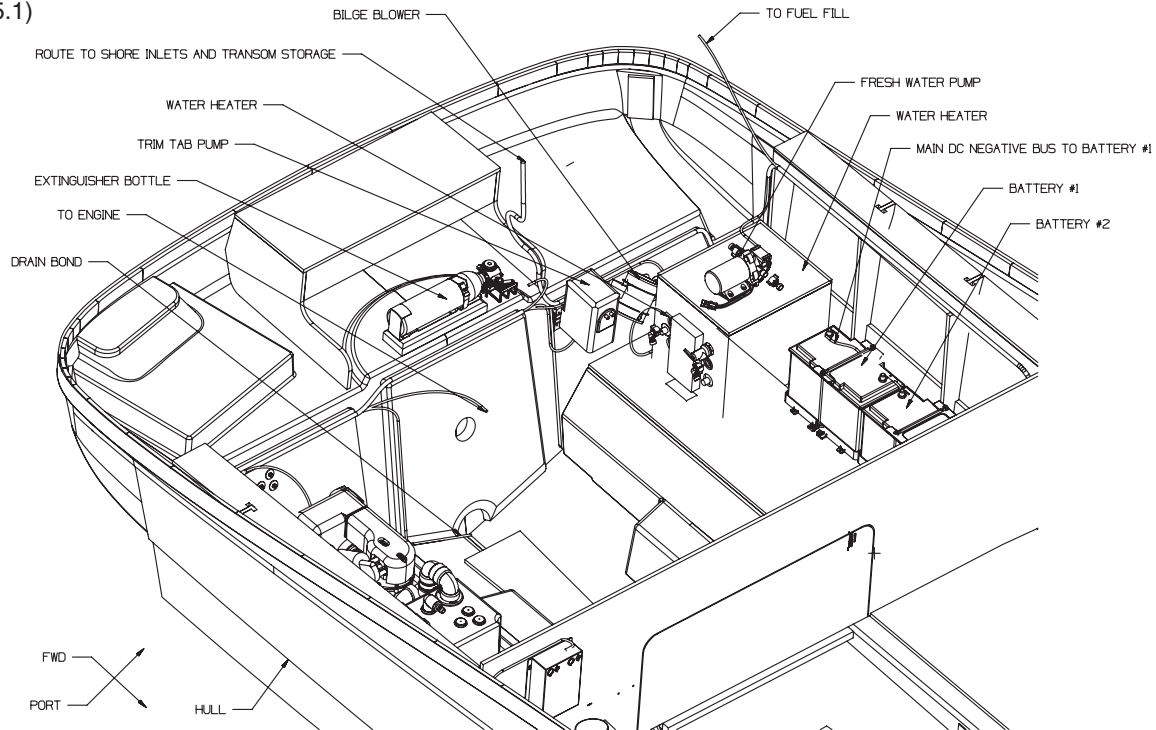


Warning:
 DO NOT attempt to work on the electrical system of this boat without professional assistance.

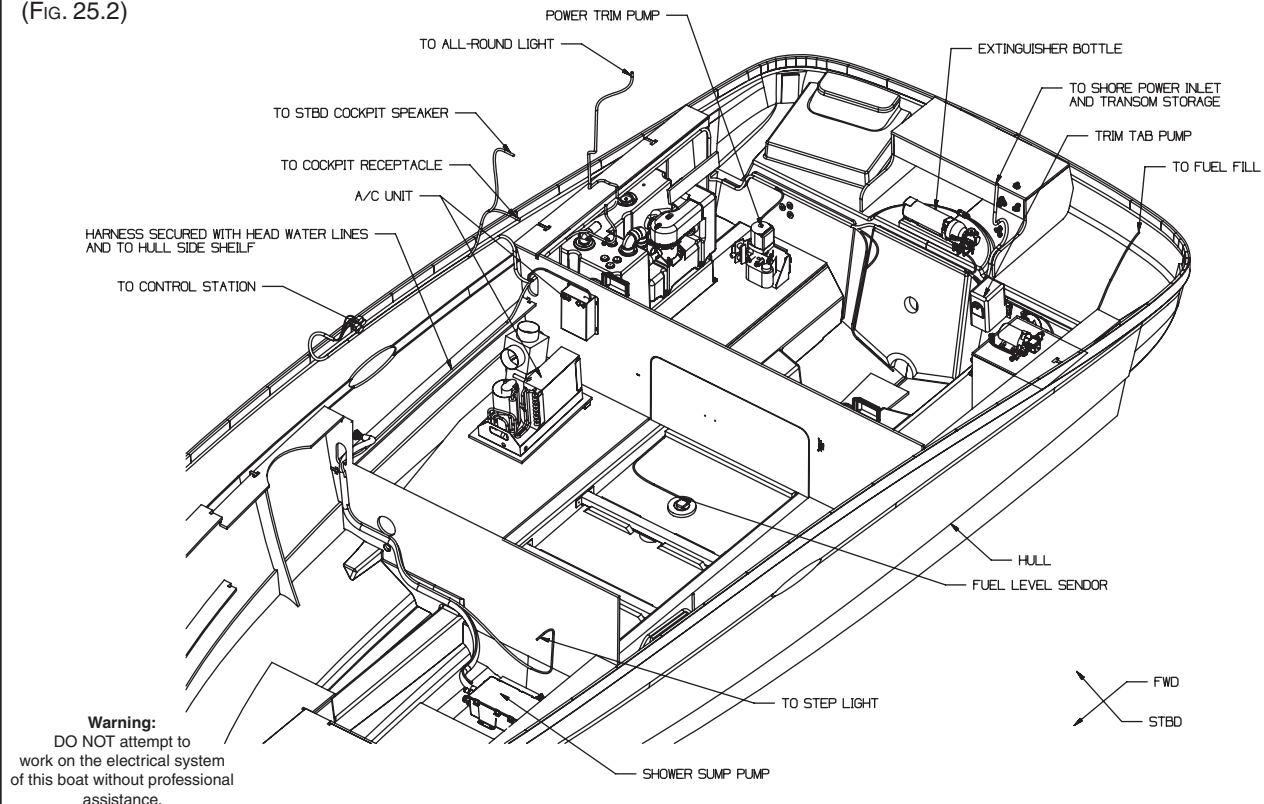


240 SUNDANCER ELECTRICAL SCHEMATICS

BILGE HARNESS
DRAWING NO. 09-803 (3 OF 4)
 (FIG. 25.1)

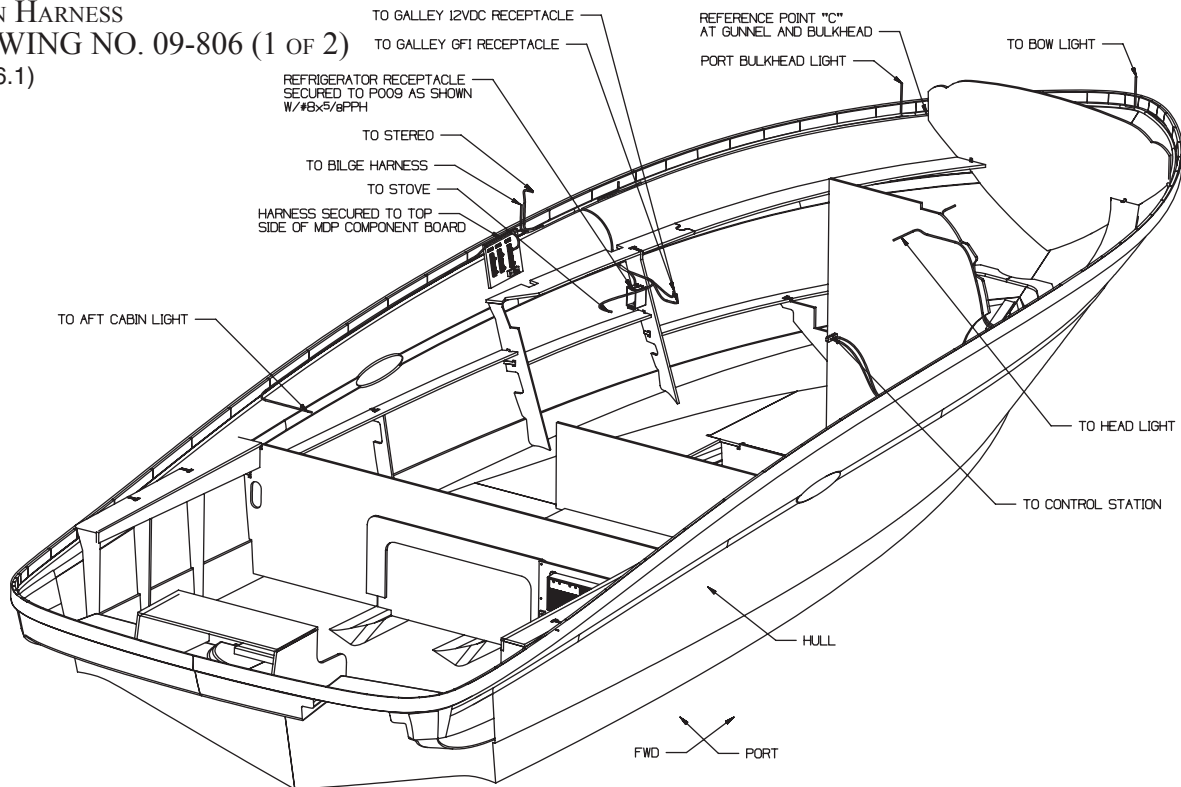


BILGE HARNESS
DRAWING NO. 09-803 (4 OF 4)
 (FIG. 25.2)

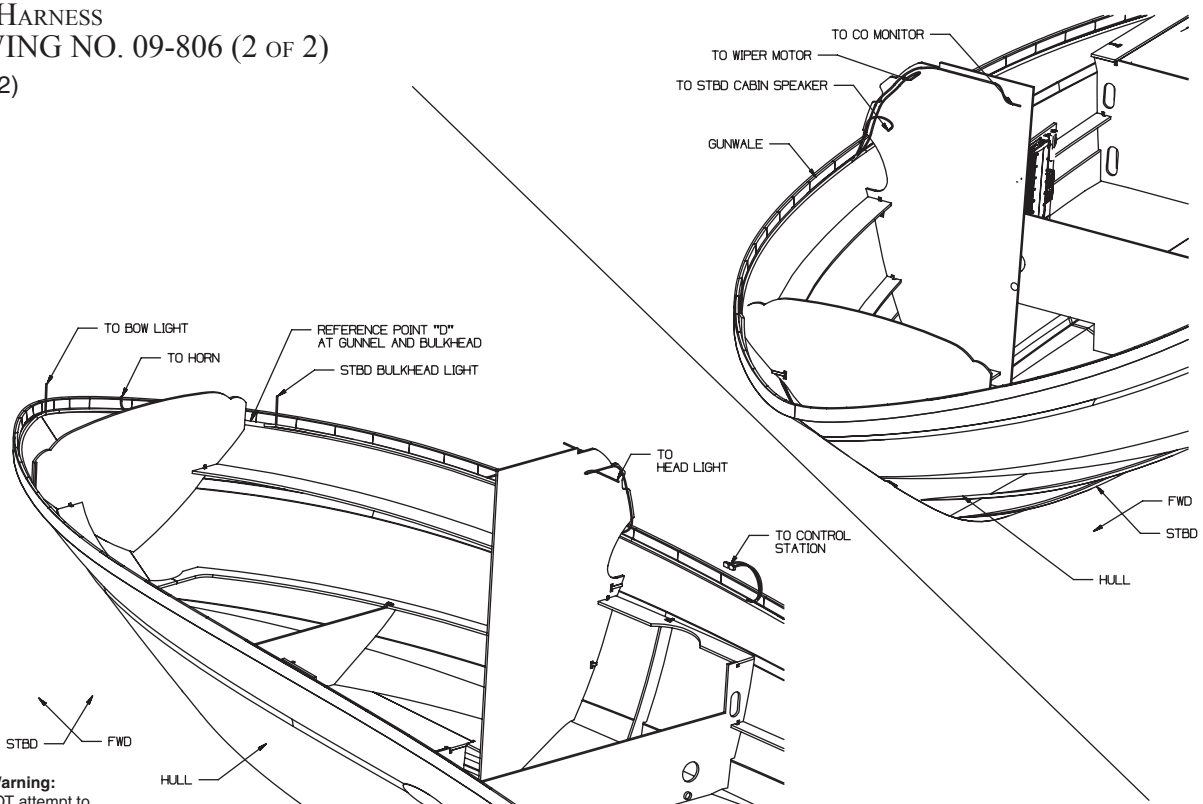


240 SUNDANCER ELECTRICAL SCHEMATICS

CABIN HARNESS
DRAWING NO. 09-806 (1 OF 2)
(FIG. 26.1)



CABIN HARNESS
DRAWING NO. 09-806 (2 OF 2)
(FIG. 26.2)



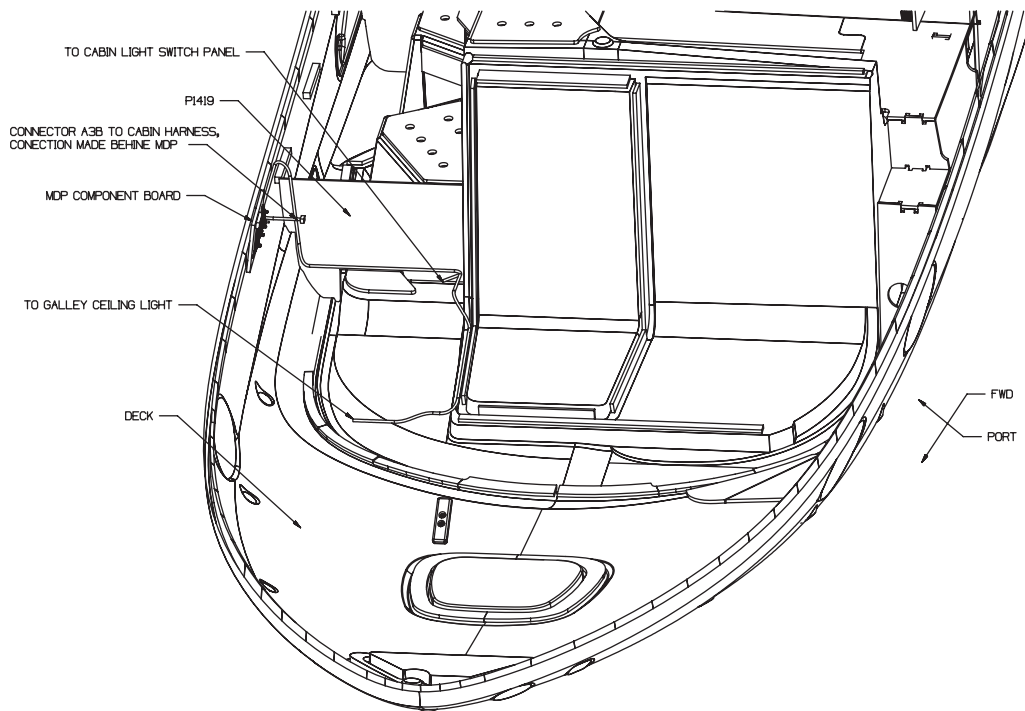
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.



240 SUNDANCER ELECTRICAL SCHEMATICS

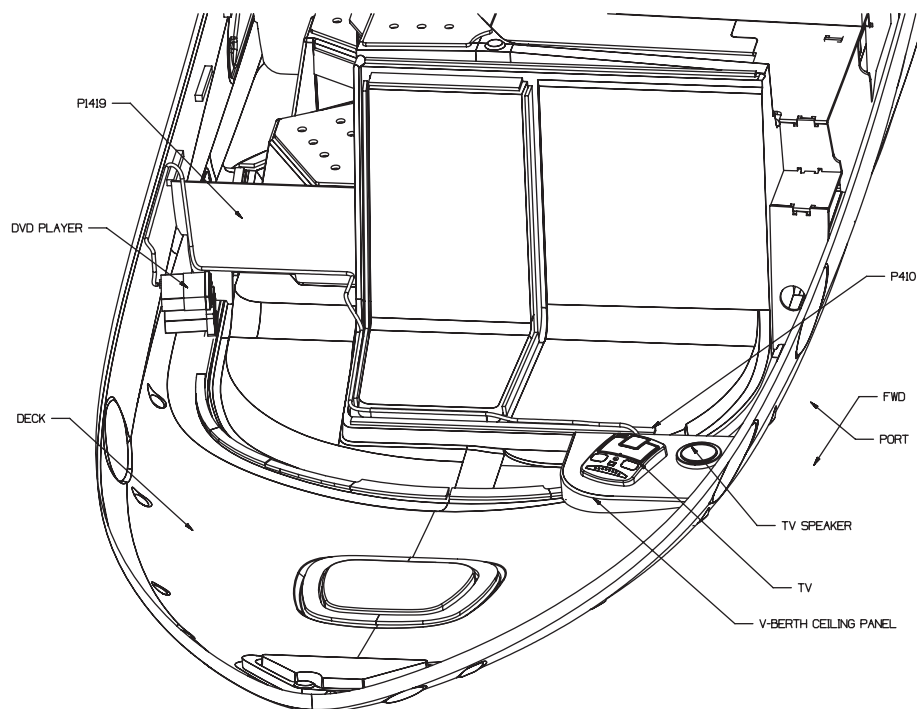
CEILING HARNESS DRAWING NO. 09-809

(FIG. 27.1)



TV DVD HARNESS DRAWING NO. 09-810

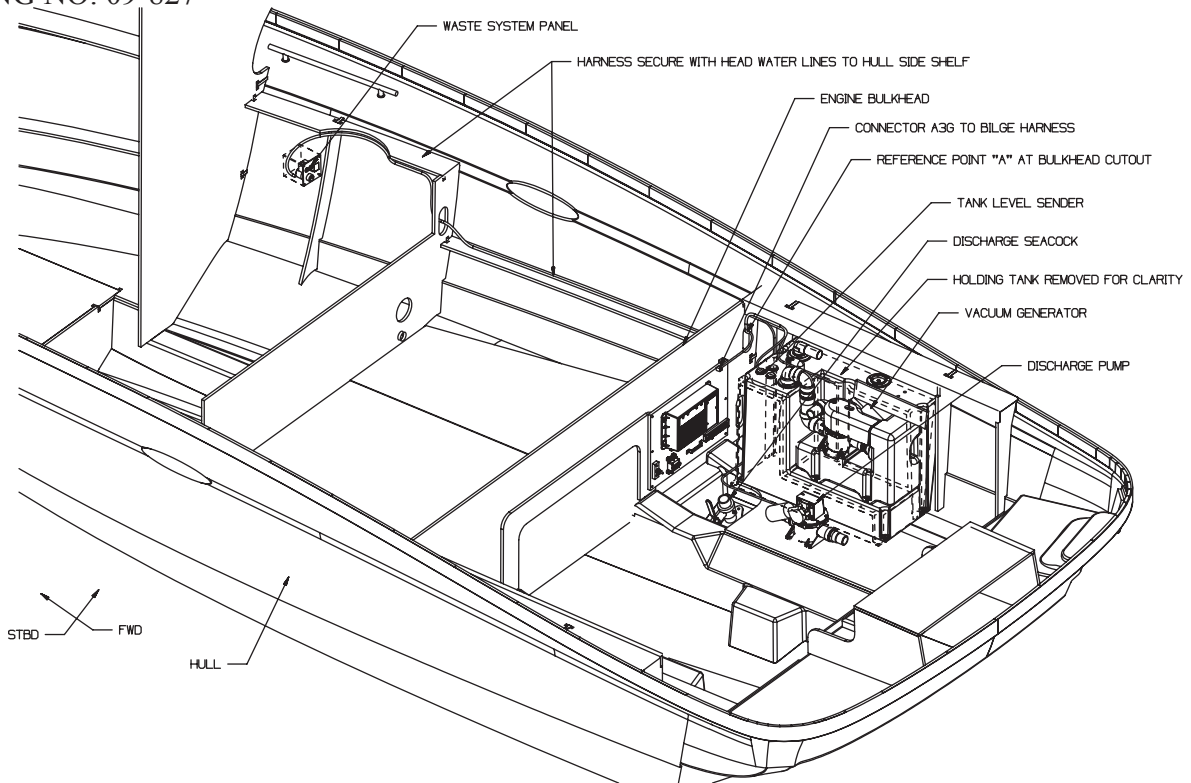
(FIG. 27.2)



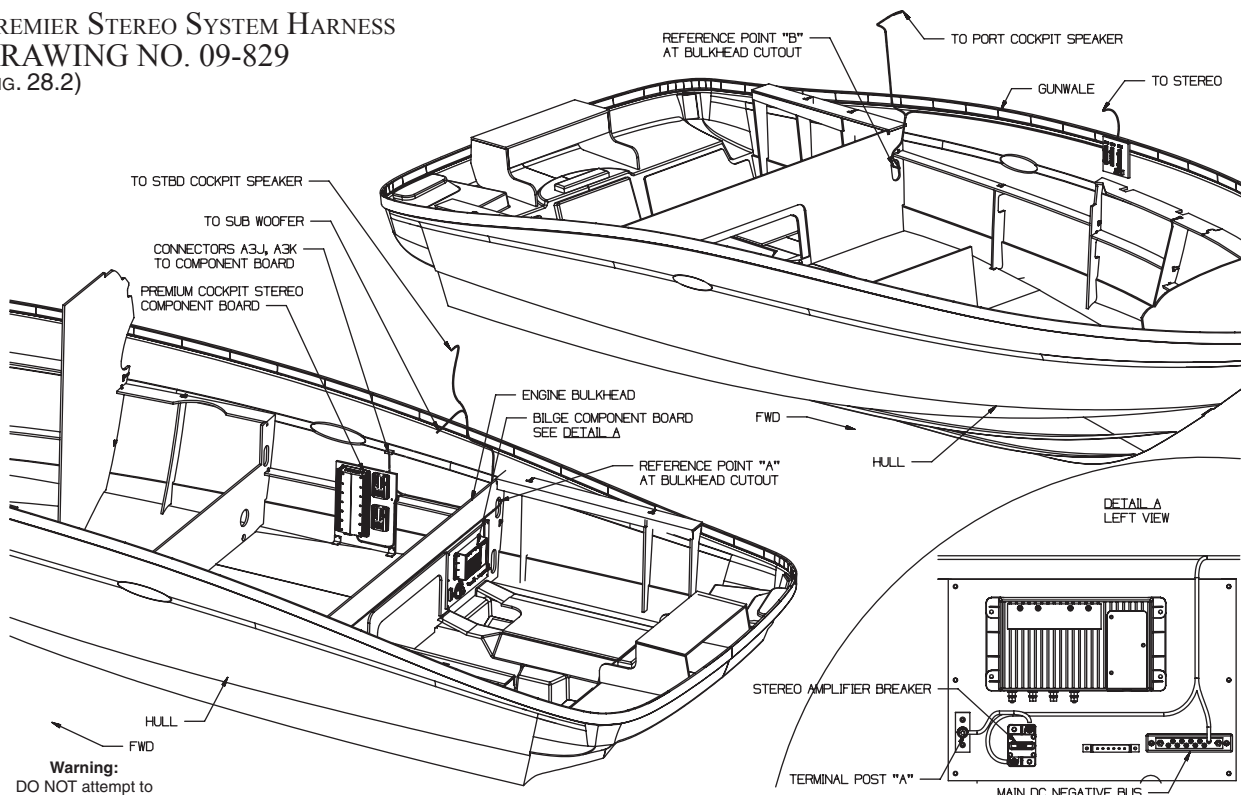
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

240 SUNDANCER ELECTRICAL SCHEMATICS

WASTE SYSTEM HARNESS
DRAWING NO. 09-827
(Fig. 28.1)



PREMIER STEREO SYSTEM HARNESS
DRAWING NO. 09-829
(Fig. 28.2)



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



INDEX

A

Anchor Lights..... 9

B

Bilge Layout..... 10

C

Canvas..... 12

Clearances 5

Cleats 9

D

Deck Layout..... 8

Dimensions..... 5

E

Electrical Schematics 12

Entertainment System 12

F

Fire Extinguishing System..... 11

Fuel System..... 11

G

Gauge Layout 7

H

Helm Layout..... 7

L

Lighting..... 9

Load Capacity..... 1

N

Navigation Lights 9

P

Passenger Locations 1

S

Safety Label Locations 2

Switch Layout 7

T

Through-Hull Cutouts 6

W

Water System 11



THIS PAGE INTENTIONALLY LEFT BLANK

