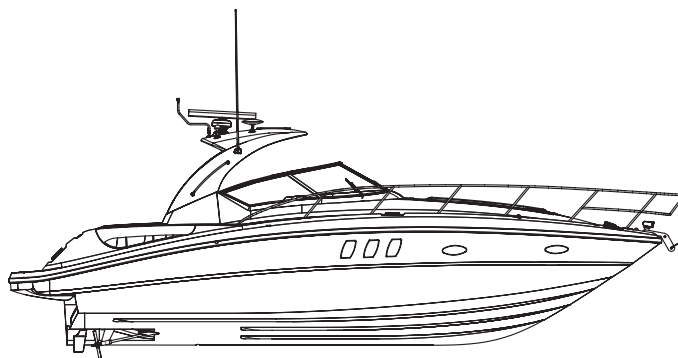


Sea Ray 

Specific
Information
Manual

38 Sundancer



38 SUNDANCER 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
38 Sundancer

Printed in the U.S.A. November 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

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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38 SUNDANCER OWNERS MANUAL

1. LOAD CAPACITY

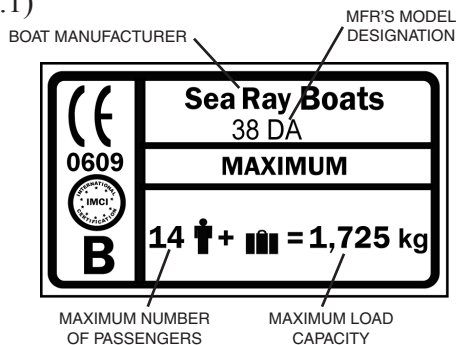
Refer to the General Information Manual for a detailed explanation of Load Capacity.

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)



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

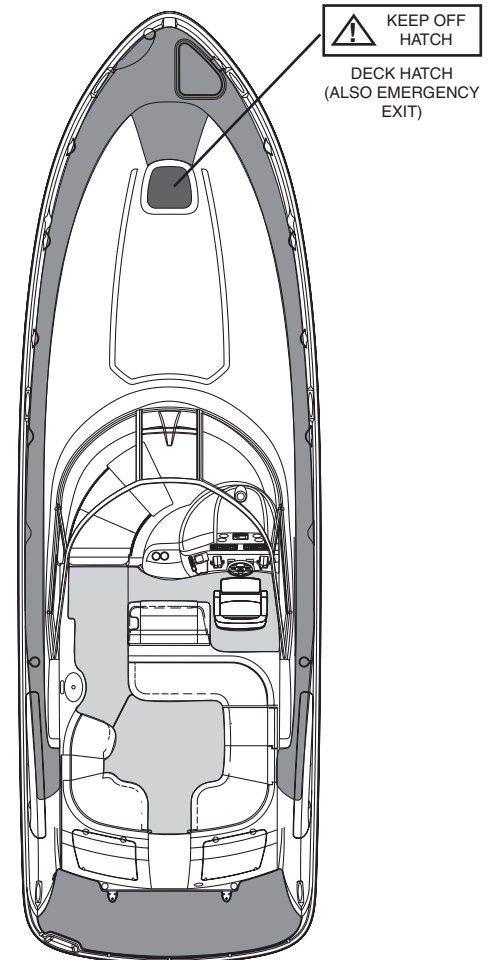
Wet decks are slippery.

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)

-  DO NOT WALK ON THIS AREA
-  WORKING DECK
(DECK AREA INTENDED FOR OCCUPATION DURING ANCHORING, MOORING AND EMERGENCY OPERATION ONLY)
-  ACCOMMODATION DECK
(DECK AREA INTENDED FOR OCCUPATION DURING NORMAL OPERATION)



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

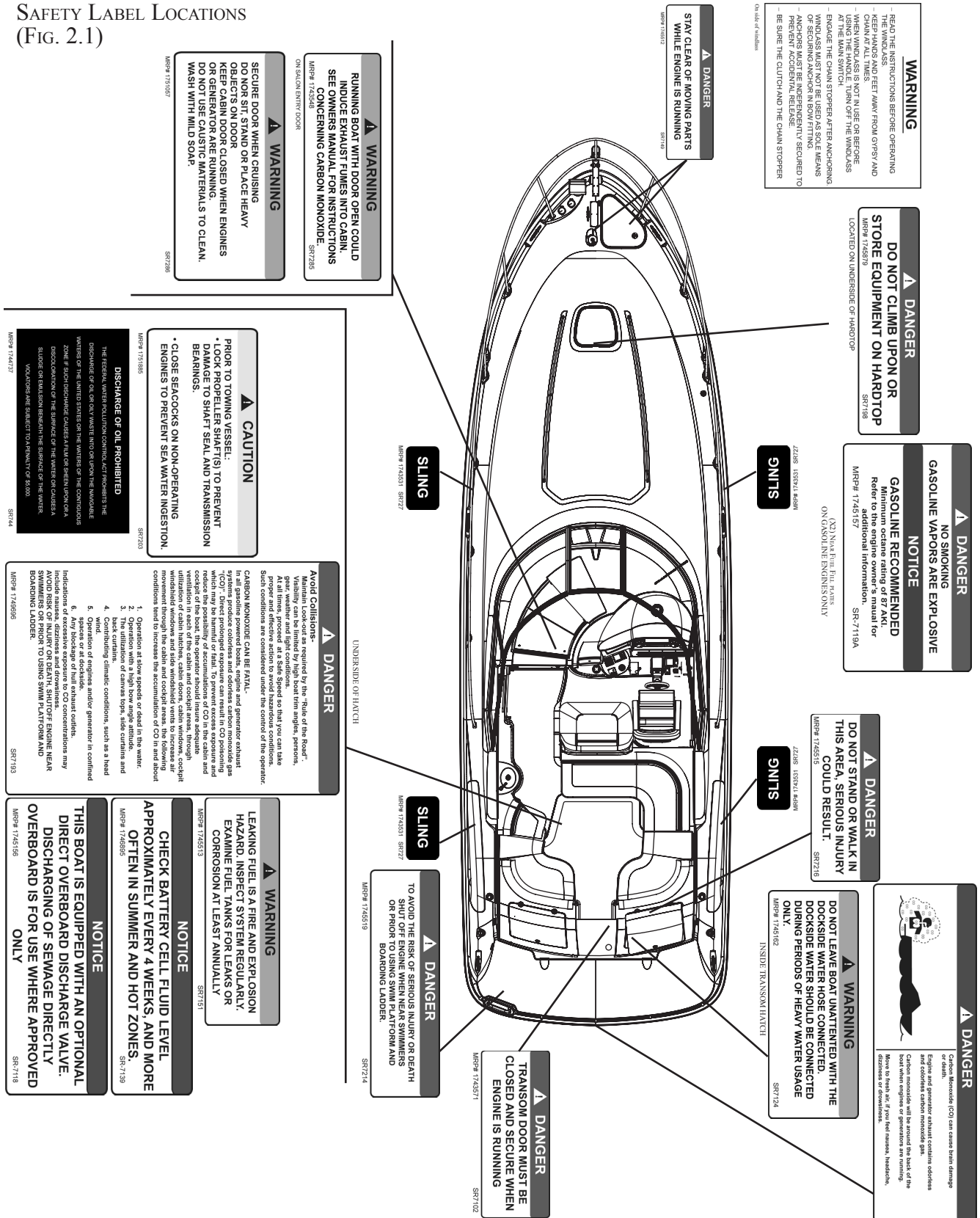
Rear facing transom seats **MUST NOT** be used while engine is running or boat is moving.



38 SUNDANCER OWNERS MANUAL

3. SAFETY LABEL LOCATIONS

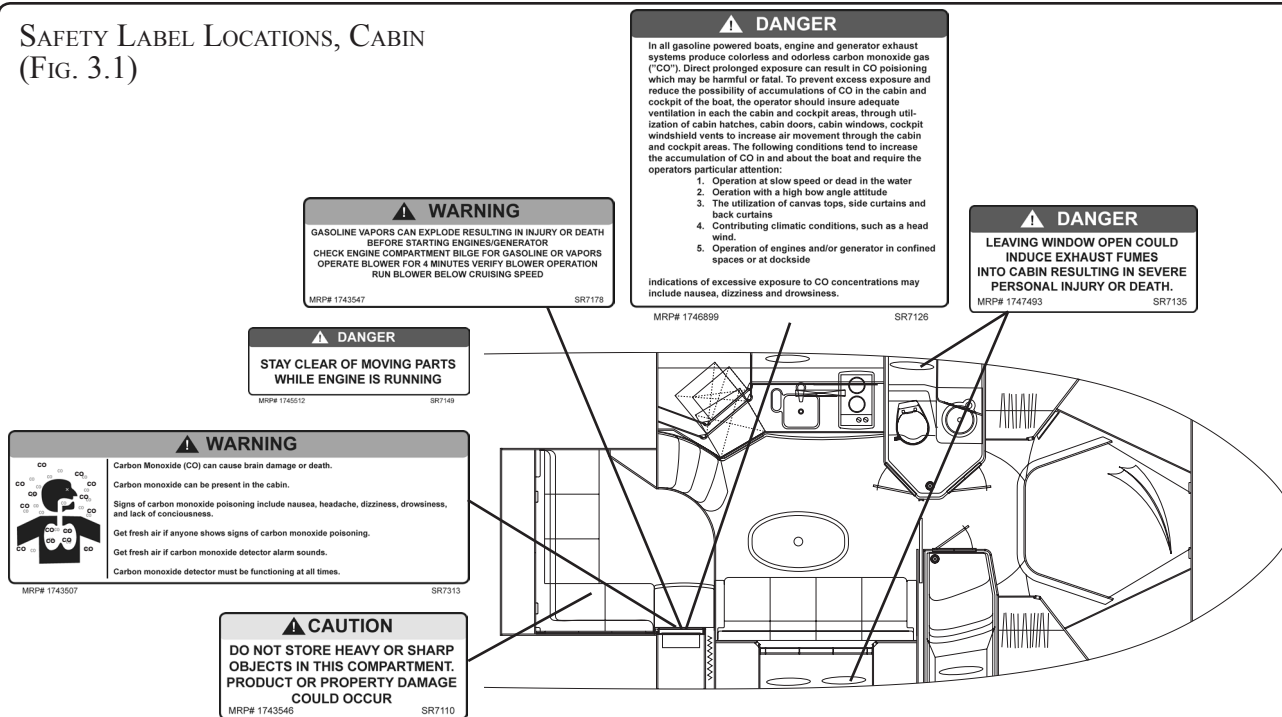
SAFETY LABEL LOCATIONS (FIG. 2.1)



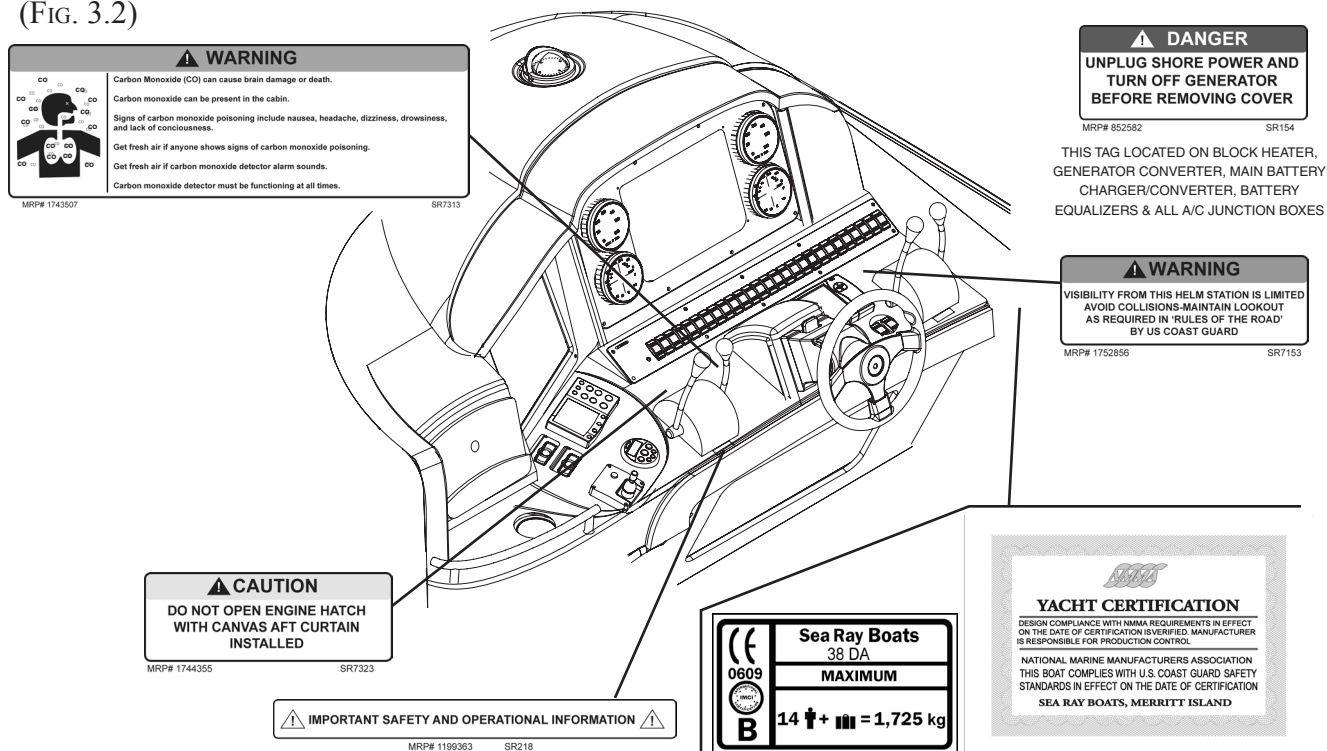
38 SUNDANCER OWNERS MANUAL

SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS, CABIN (FIG. 3.1)



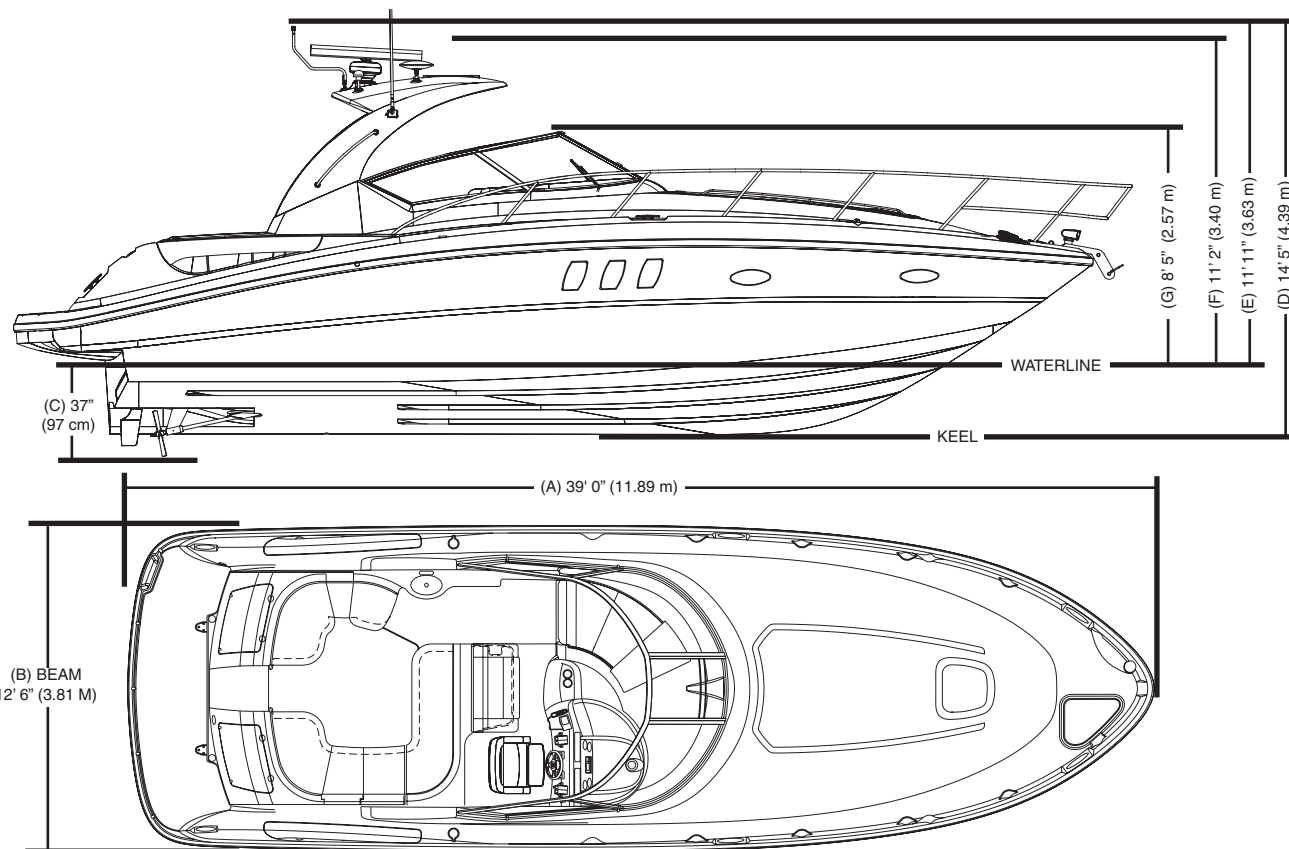
SAFETY LABEL LOCATIONS, HELM (FIG. 3.2)



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4. BASIC BOAT DIMENSIONS AND CLEARANCES

BOAT DIMENSIONS AND CLEARANCES
(FIG. 4.1)



38 SUNDANCER® SPECIFICATIONS

(A) Overall Length		
With Std. Swim Platform.....	39ft. 0in.	11.89 m
(B) Beam (Width).....	12ft. 6in.	3.81 m
(C) Draft.....	37in.*	97 cm*

* MINIMUM WATER DEPTH TO PREVENT RUNNING AGROUND

Dry Weight.....	19,393 lbs.	8,797 kg.
Fuel Capacity.....	250 gal.	946.4 liters
Usable Fuel	225 gal.	851.7 liters
Water Capacity	55 gal.	208.2 liters
Holding Tank.....	35 gal.	132.5 liters
Dead Rise.....	21°	

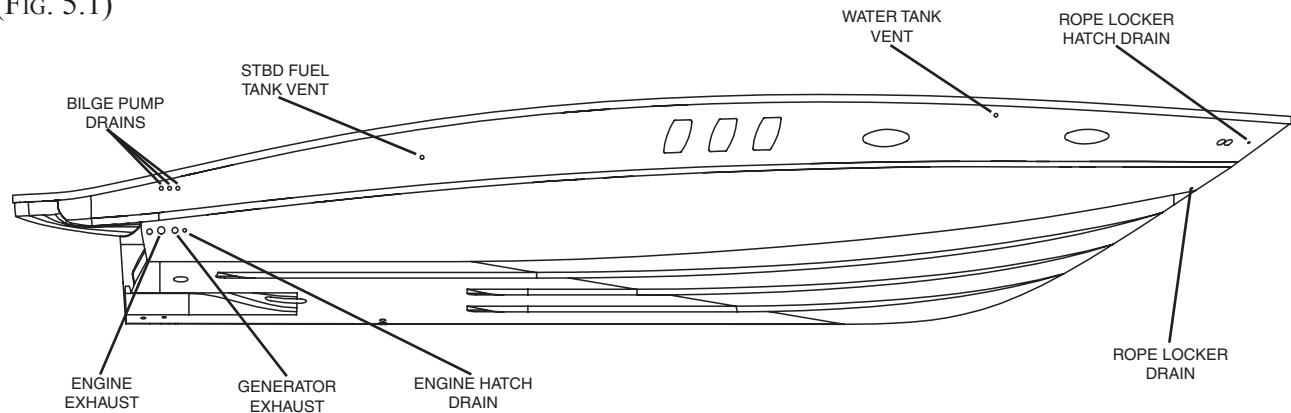
HEIGHT DIMENSIONS

(D) Keel to Top of Mast Light	14ft. 5in.	4.39 m
(E) Waterline to Top of Mast Light.....	11ft. 11in.	3.63 m
(F) Waterline to Top of Radar.....	11ft. 2in.	3.40 m
(G) Waterline to Top of Windshield	8ft. 5in.	2.57 m

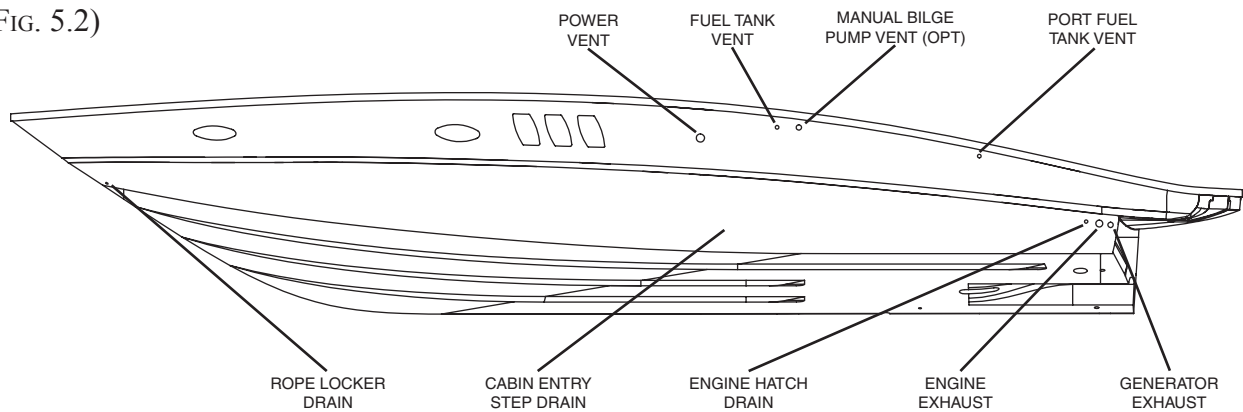
38 SUNDANCER OWNERS MANUAL

5. FUNCTION AND LOCATION OF THROUGH-HULL CUTOUTS

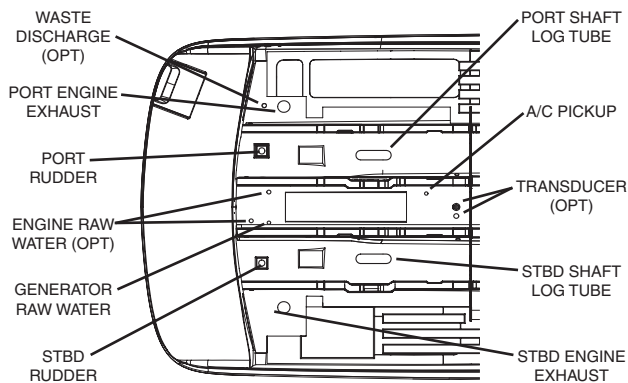
STARBOARD THROUGH-HULL CUTOUTS
(FIG. 5.1)



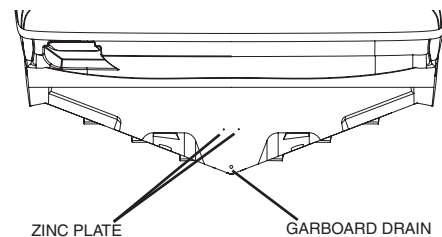
PORT THROUGH-HULL CUTOUTS
(FIG. 5.2)



BILGE THROUGH-HULL CUTOUTS
(FIG. 5.3)



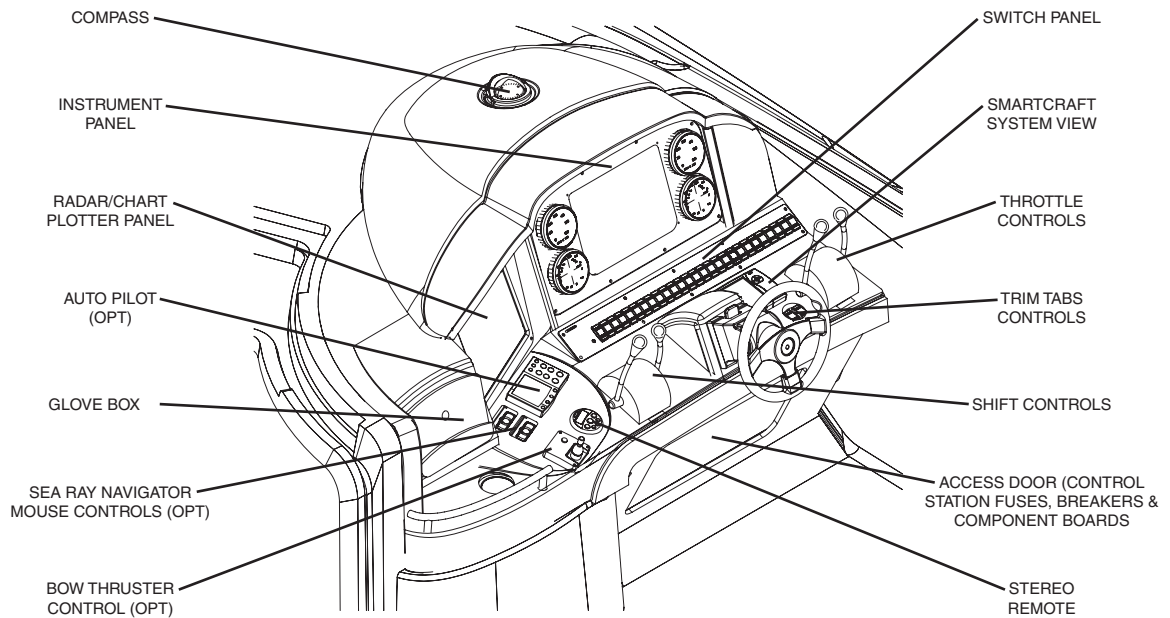
TRANSOM THROUGH-HULL CUTOUTS
(FIG. 5.4)



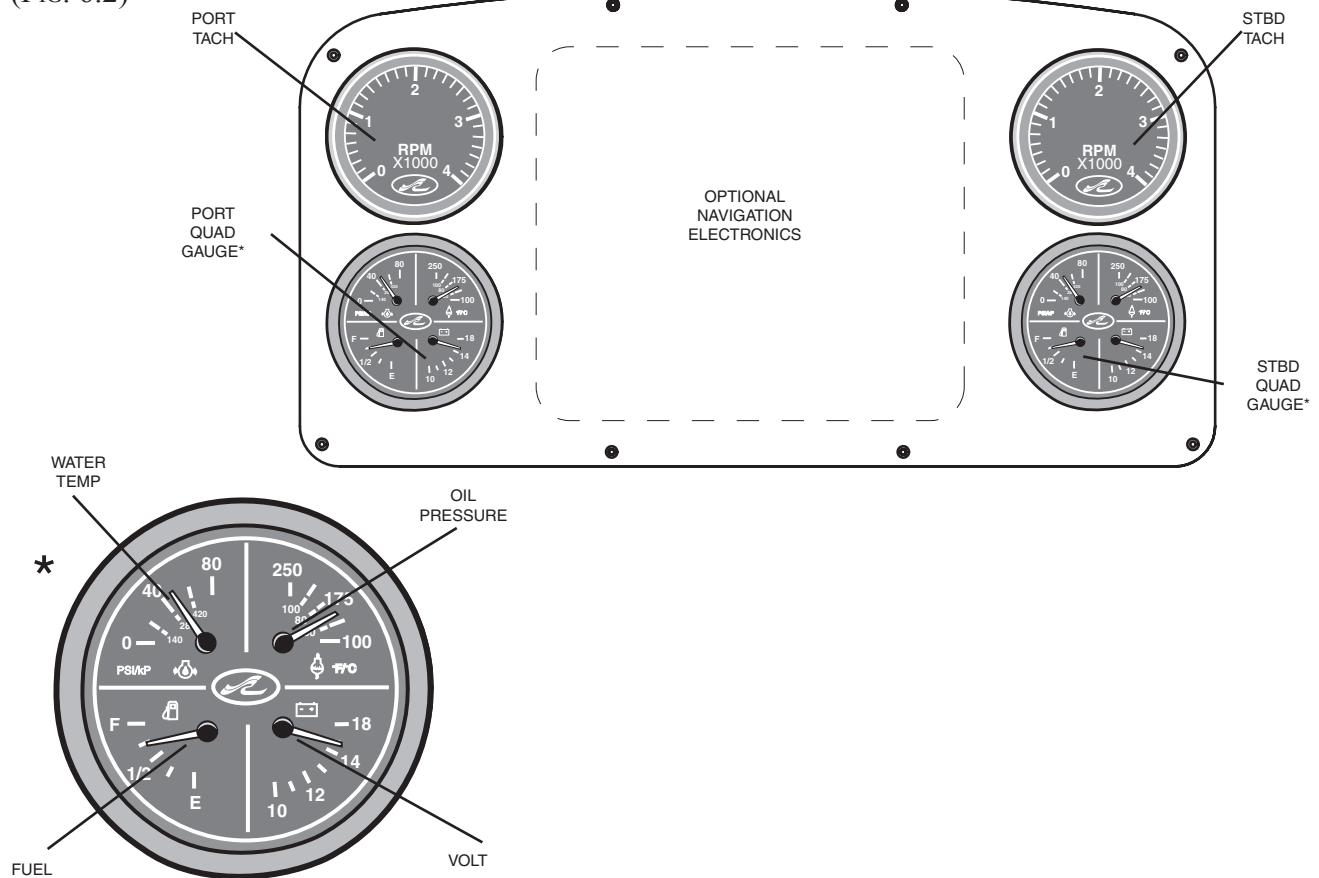
38 SUNDANCER OWNERS MANUAL

6. CONTROL STATION LAYOUT

CONTROL STATION
(FIG. 6.1)



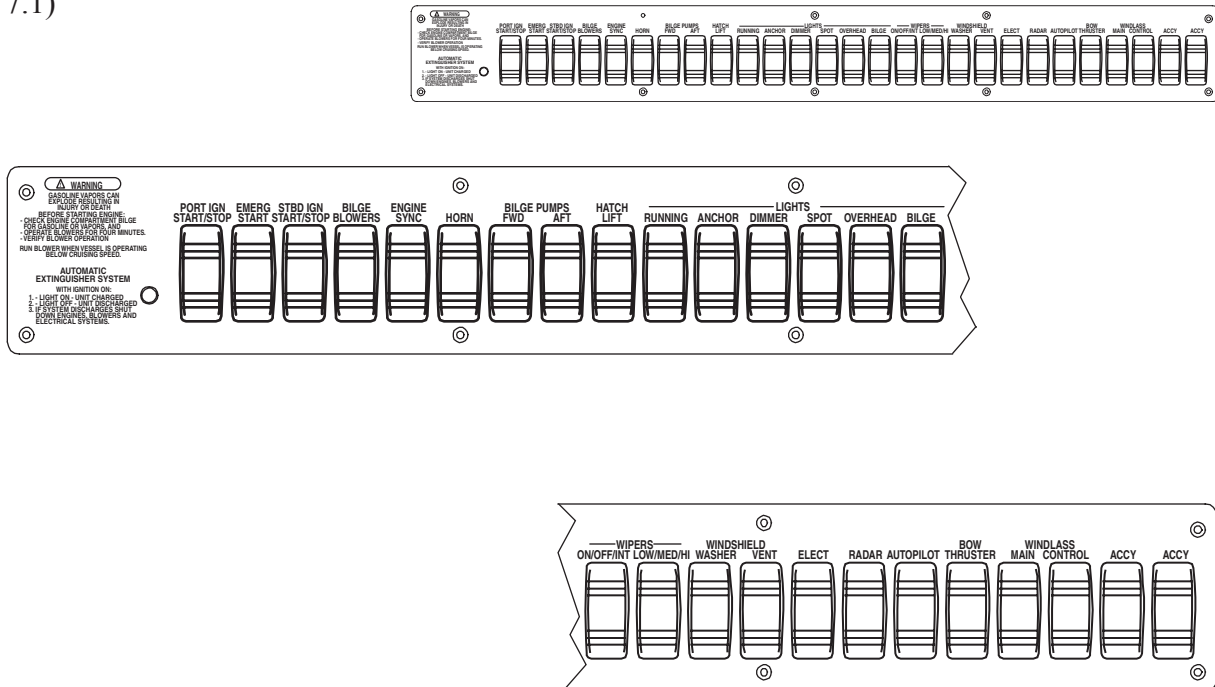
INSTRUMENT PANEL
(FIG. 6.2)



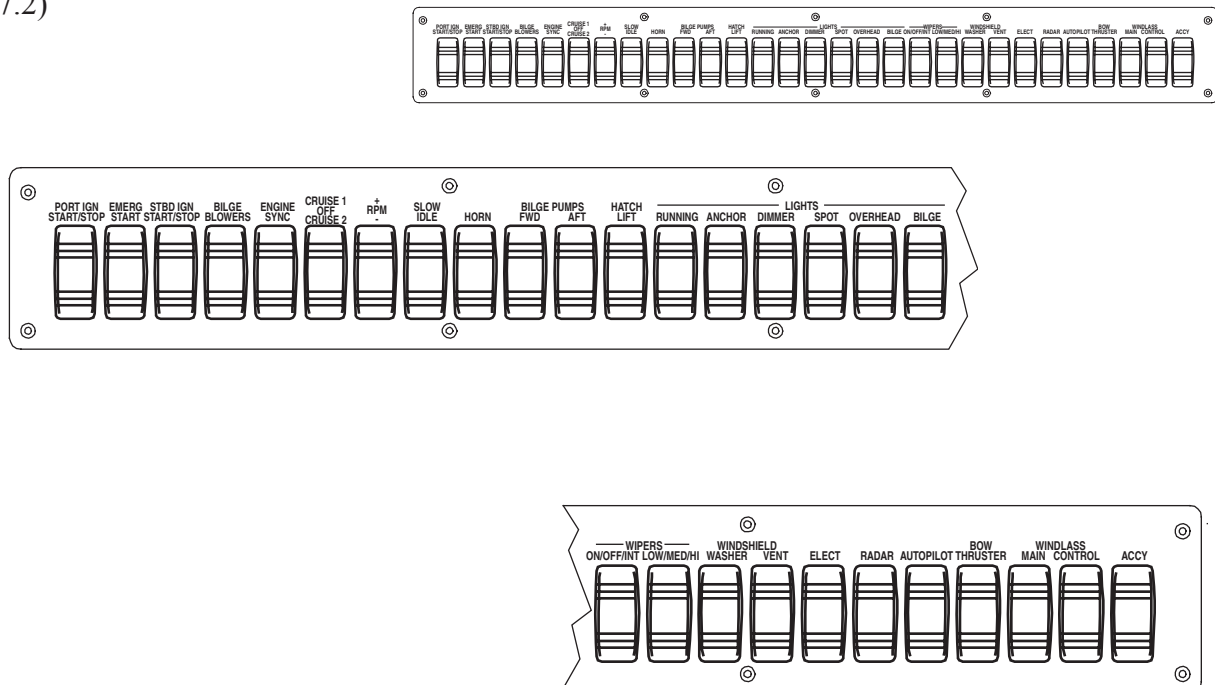
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CONTROL STATION SWITCH PANEL (CONTINUED)

CONTROL STATION SWITCH PANEL (GAS)
(FIG. 7.1)



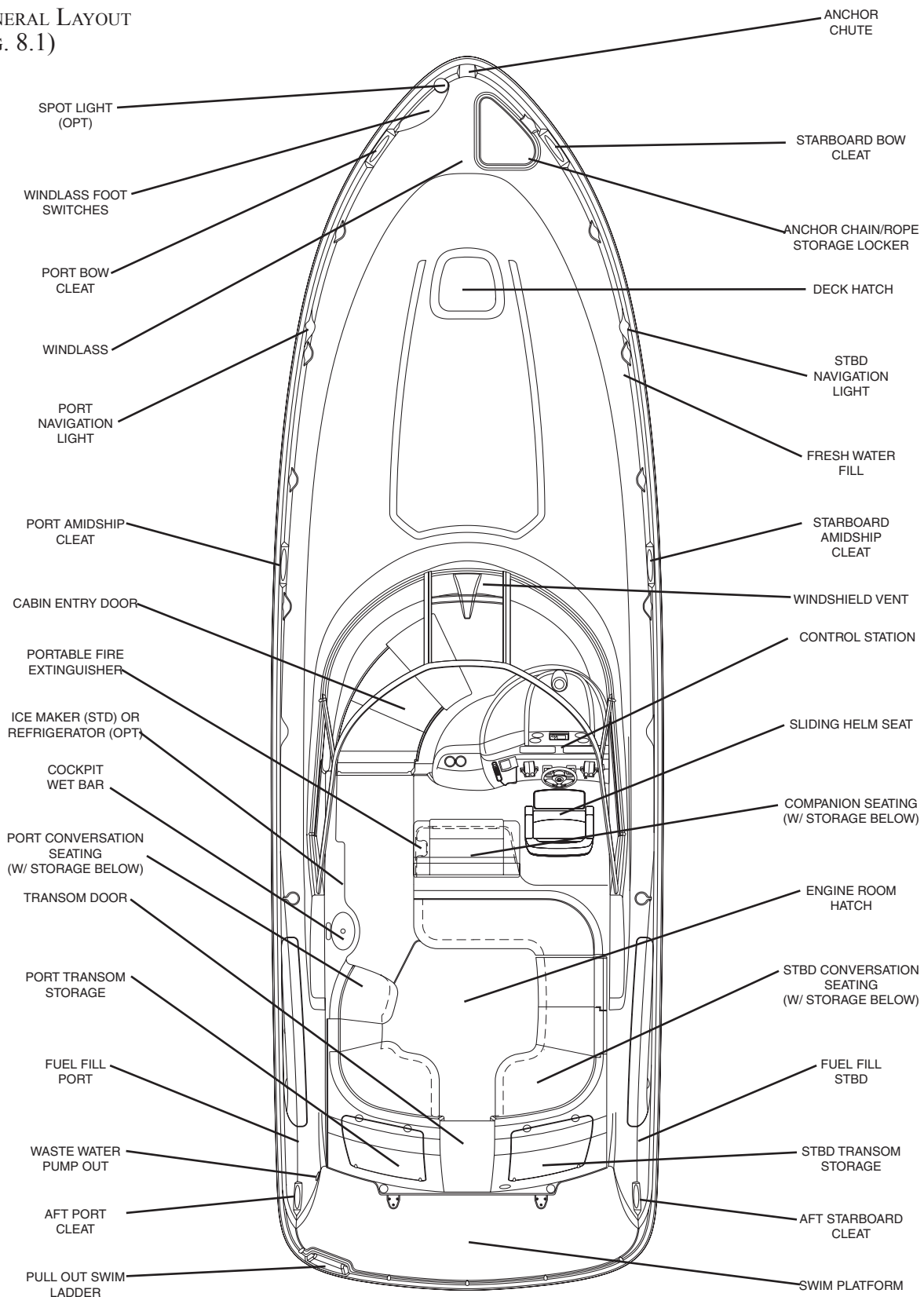
CONTROL STATION SWITCH PANEL (DIESEL)
(FIG. 7.2)



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7. DECK LAYOUT

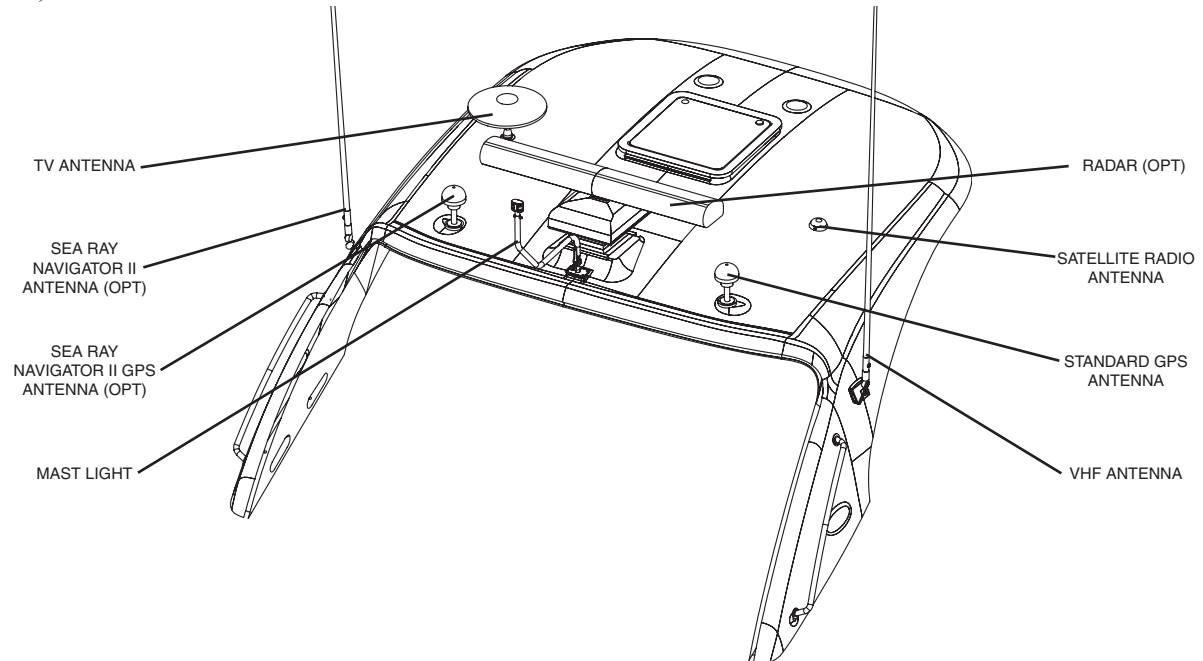
GENERAL LAYOUT
(FIG. 8.1)



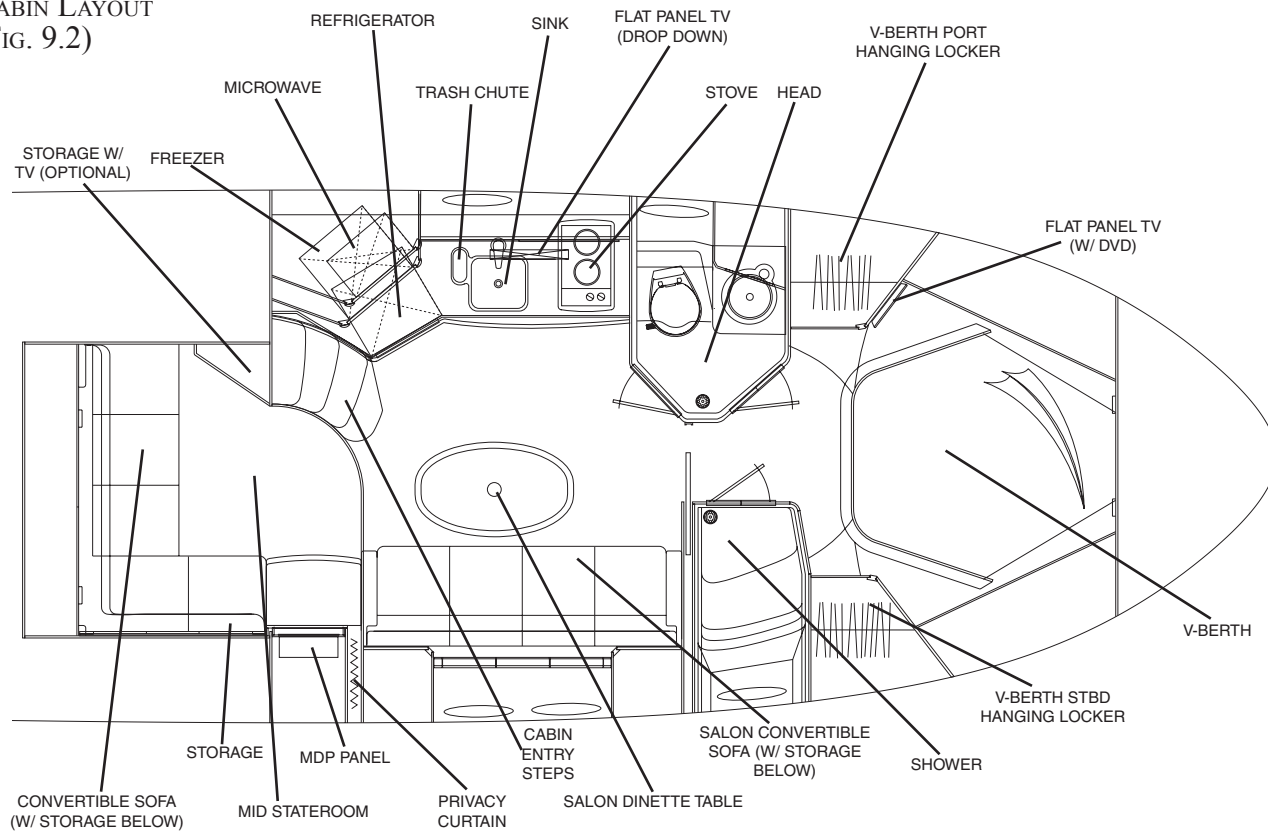
38 SUNDANCER OWNERS MANUAL

DECK LAYOUT, ARCH

GENERAL LAYOUT, ARCH
(FIG. 9.1)



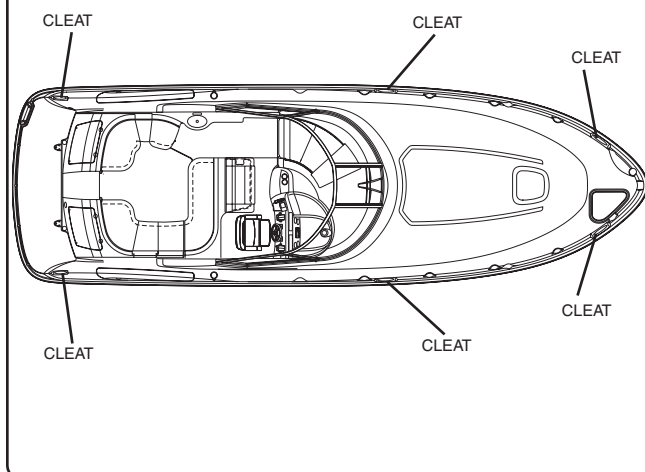
CABIN LAYOUT
(FIG. 9.2)



8. CLEATS

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

CLEAT / BOW & STERN EYE LOCATIONS
(FIG. 10.1)



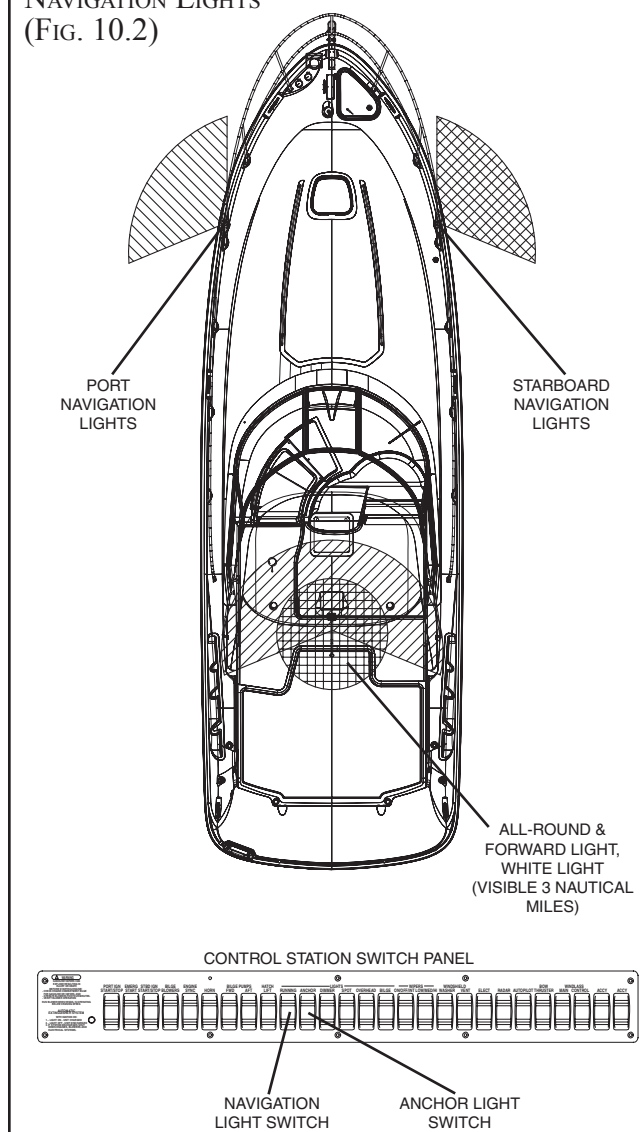
9. NAVIGATION AND ANCHOR LIGHTS

Navigation lights **MUST** be on while underway from sunset to sunrise or in conditions of reduced visibility. "Underway" means the boat is not docked or at anchor. Trolling or drifting with engine off is considered "underway" and navigation lights must be used.

If you are anchored in open water, i.e. where other boats can approach yours, you must display your anchor light: a white light that can be seen from all possible directions, i.e. 360 degrees.

Read the "Federal Requirements and Safety Tips for Recreational Boats" provided in your kit.

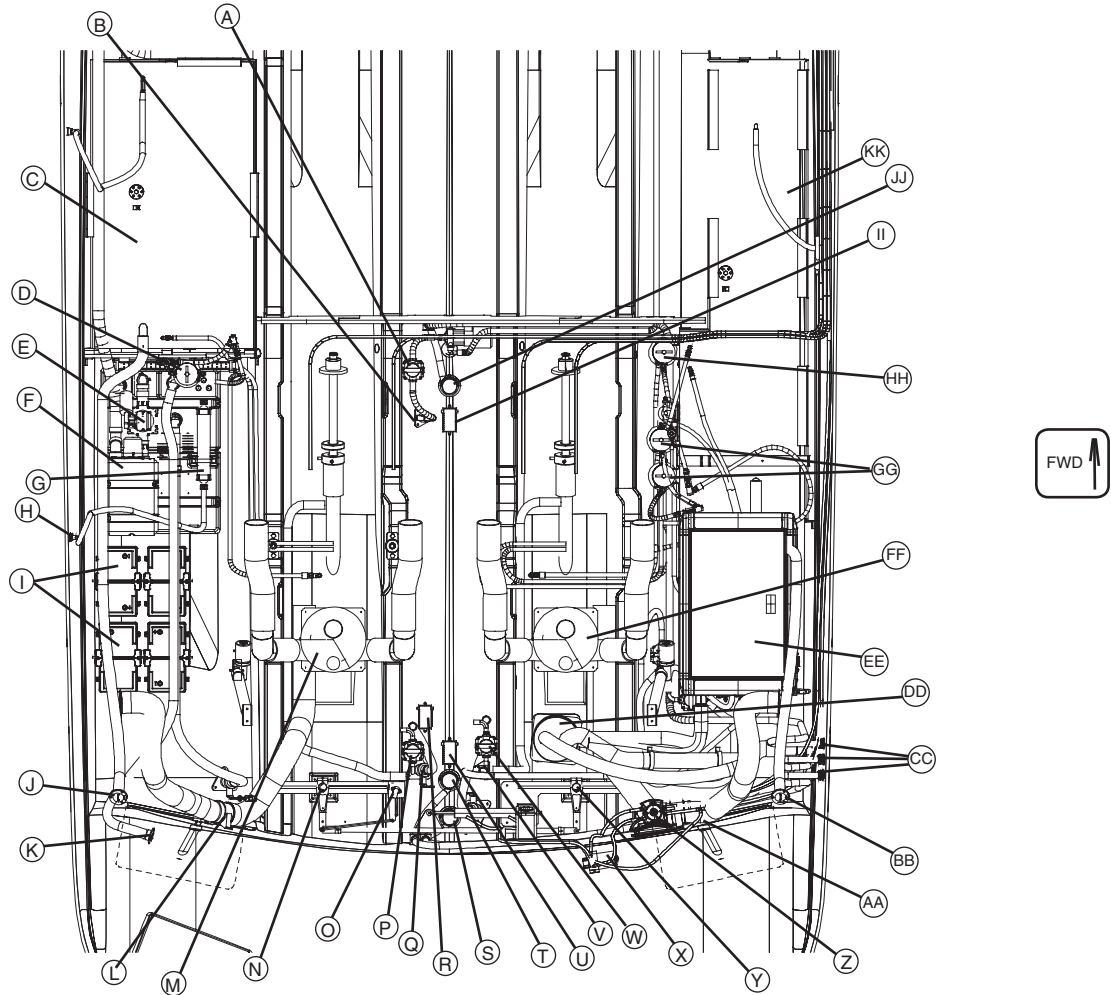
NAVIGATION LIGHTS
(FIG. 10.2)



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10. BILGE LAYOUT

BILGE LAYOUT (GAS STANDARD)
(FIG. 11.1)



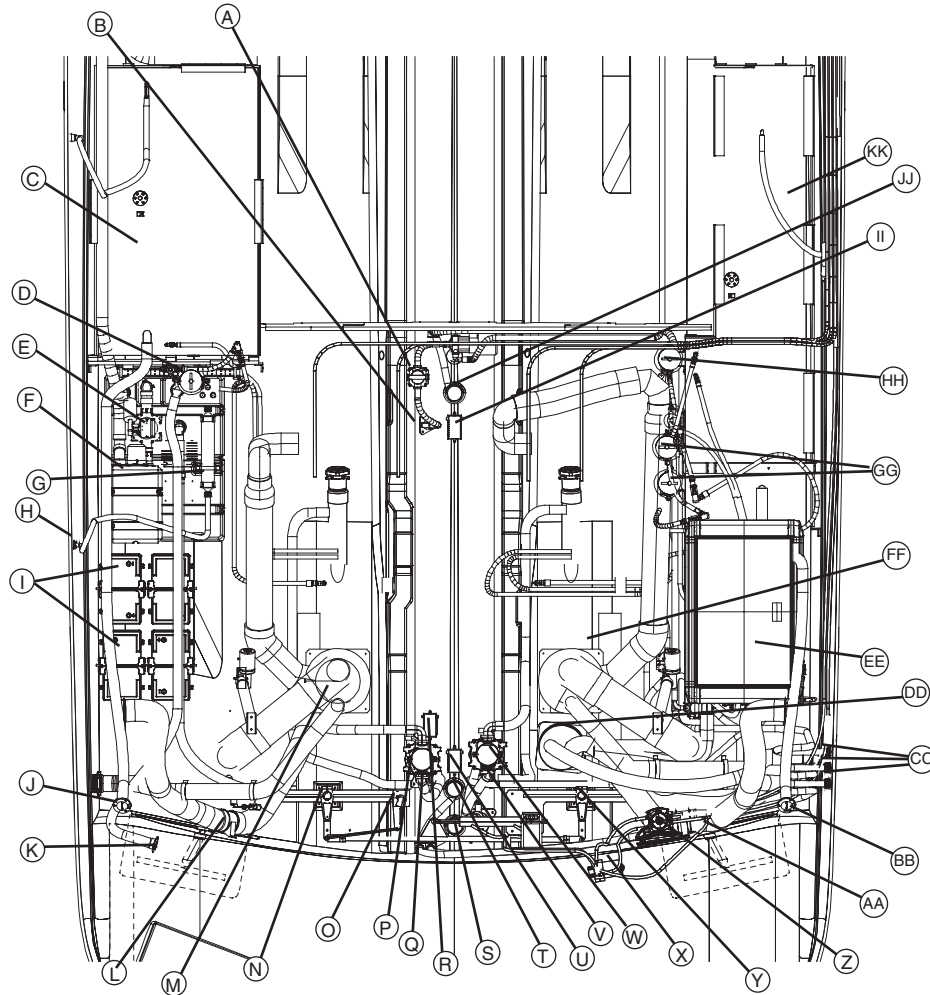
- | | | |
|-------------------------------|---------------------------------------|-------------------------------------|
| (A) A/C STRAINER | (O) RUDDER REFERENCE UNIT | (BB) STARBOARD FUEL FILL DECK PLATE |
| (B) A/C SEACOCK | (P) PORT ENGINE STRAINER | (CC) BILGE THRU-HULL DRAINS |
| (C) PORT FUEL TANK | (Q) PORT ENGINE SEACOCK | (DD) GENERATOR MUFFLER |
| (D) PORT ENGINE FUEL FILTER | (R) EMERGENCY HIGH WATER FLOAT SWITCH | (EE) GENERATOR |
| (E) MACERATOR (OPTION) | (S) EMERGENCY HIGH WATER BILGE PUMP | (FF) STARBOARD ENGINE MUFFLER |
| (F) HOLDING TANK | (T) AFT BILGE PUMP | (GG) GENERATOR FUEL FILTERS |
| (G) WASTE VENT FILTER | (U) AFT FLOAT SWITCH | (HH) STARBOARD ENGINE FUEL FILTER |
| (H) WASTE VENT | (V) STARBOARD ENGINE SEACOCK | (II) FORWARD FLOAT SWITCH |
| (I) BATTERIES | (W) STARBOARD ENGINE STRAINER | (JJ) FORWARD BILGE PUMP |
| (J) PORT FUEL FILL DECK PLATE | (X) AUTOPILOT PUMP (OPTION) | (KK) STARBOARD FUEL TANK |
| (K) WASTE PUMPOUT DECK PLATE | (Y) STARBOARD RUDDER POST | |
| (L) PORT BILGE BLOWER | (Z) POWER ASSIST PUMP (OPTION) | |
| (M) PORT EXHAUST MUFFLER | (AA) STARBOARD BILGE BLOWER | |
| (N) PORT RUDDER POST | | |



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BILGE LAYOUT (CONTINUED)

BILGE LAYOUT (DIESEL OPTION)
(FIG. 12.1)

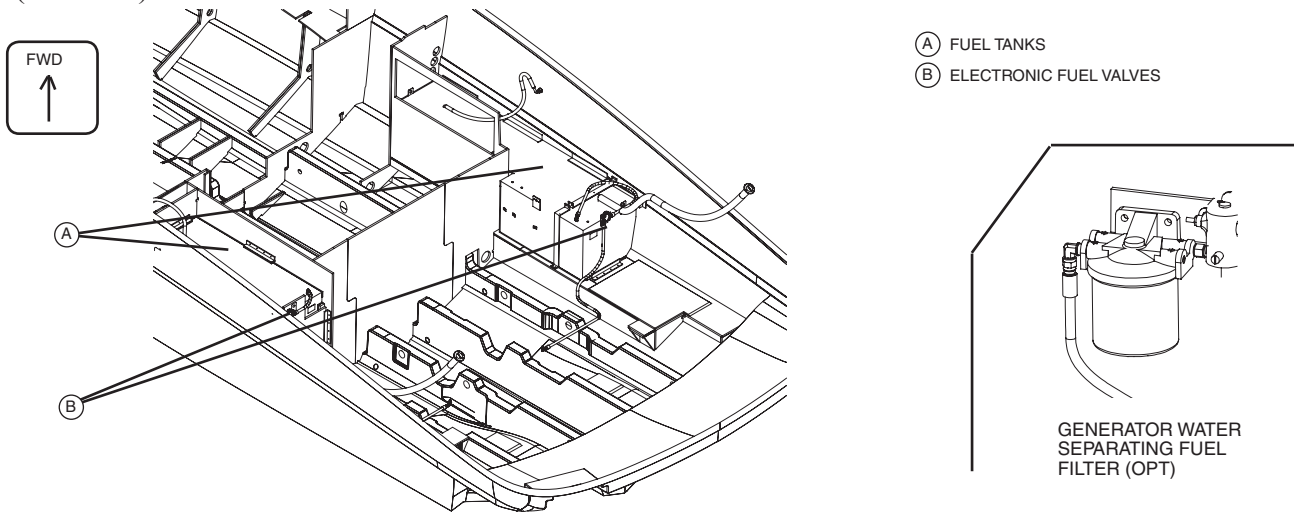


- | | | |
|-------------------------------|---------------------------------------|-------------------------------------|
| (A) A/C STRAINER | (O) RUDDER REFERENCE UNIT | (AA) STARBOARD BILGE BLOWER |
| (B) A/C SEACOCK | (P) PORT ENGINE STRAINER | (BB) STARBOARD FUEL FILL DECK PLATE |
| (C) PORT FUEL TANK | (Q) PORT ENGINE SEACOCK | (CC) BILGE THRU-HULL DRAINS |
| (D) PORT ENGINE FUEL FILTER | (R) EMERGENCY HIGH WATER FLOAT SWITCH | (DD) GENERATOR MUFFLER |
| (E) MACERATOR (OPTION) | (S) EMERGENCY HIGH WATER BILGE PUMP | (EE) GENERATOR |
| (F) HOLDING TANK | (T) AFT BILGE PUMP | (FF) STARBOARD ENGINE MUFFLER |
| (G) WASTE VENT FILTER | (U) AFT FLOAT SWITCH | (GG) GENERATOR FUEL FILTERS |
| (H) WASTE VENT | (V) STARBOARD ENGINE SEACOCK | (HH) STARBOARD ENGINE FUEL FILTER |
| (I) BATTERIES | (W) STARBOARD ENGINE STRAINER | (II) FORWARD FLOAT SWITCH |
| (J) PORT FUEL FILL DECK PLATE | (X) AUTOPILOT PUMP (OPTION) | (JJ) FORWARD BILGE PUMP |
| (K) WASTE PUMPOUT DECK PLATE | (Y) STARBOARD RUDDER POST | (KK) STARBOARD FUEL TANK |
| (L) PORT BILGE BLOWER | (Z) POWER ASSIST PUMP (OPTION) | |
| (M) PORT EXHAUST MUFFLER | | |
| (N) PORT RUDDER POST | | |



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38 DA FUEL SYSTEM (GAS)
(FIG. 13.1)



11. FUEL SYSTEM, GASOLINE

The 38 DA standard gasoline fuel system consists of two (2) aluminum fuel tanks with a capacity of 125 gals. (473 liters) each, for a total capacity of 250 gals. (946 liters). The port and starboard fuel tanks are connected directly to the respective engines through an electric fuel shut-off valve.

12. RECOMMENDED BATTERIES

The following table describes the recommended marine cranking batteries to install in your boat. All batteries should be of the same type, age & rating.

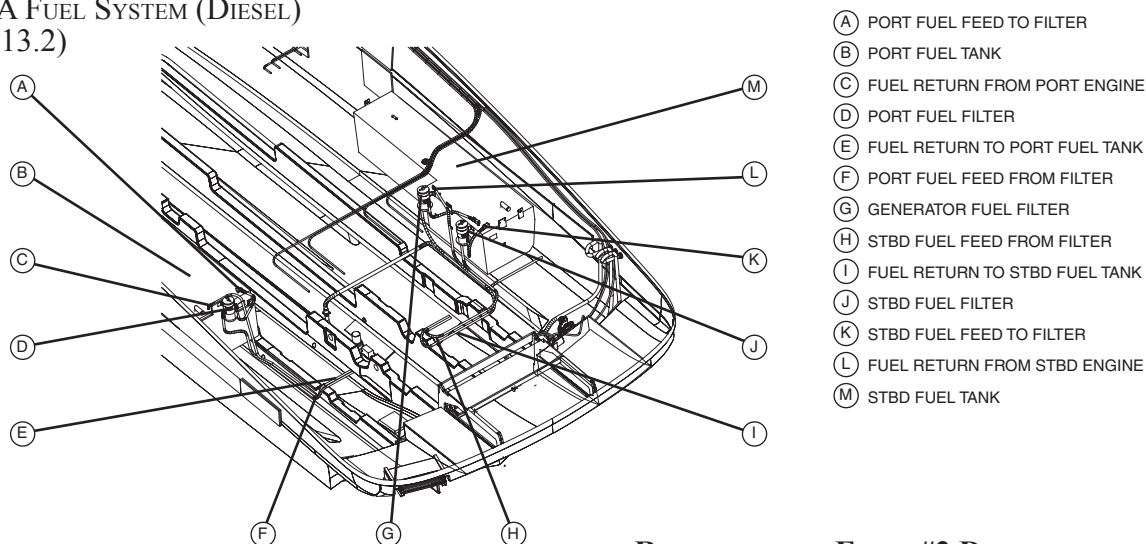
Application	Group	Volts	CCA*	Reserve	Qty.
Engines	31	12	800	200	1

*COLD CRANKING AMPS

RECOMMENDED BATTERY:

DOUGLAS BATTERY TYPE: 31DCM, ITEM NUMBER: 989 OR EQUIVALENT
DIMENSIONS: 13" x 6¹³/₁₆" x 10¹/₁₆"

38 DA FUEL SYSTEM (DIESEL)
(FIG. 13.2)



RECOMMENDED FUEL: #2 DIESEL FUEL



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13. FIRE EXTINGUISHING SYSTEM

The 38 DA is equipped with an automatic fire extinguisher system located forward of the engines on the bulkhead. In the event of a fire, the heat sensitive automatic head will release the extinguishant as a vapor, totally flooding the area in fire-killing concentrations. The system indicator light is wired to the ignition and is turned ON when the ignition is turned ON.

14. ENTERTAINMENT CENTERS

The entertainment center equipment options may vary from boat to boat. Refer to the Owner's Manual Packet to find individual instructions for the equipment installed on your boat.

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

A. TV SIGNAL SELECTOR

The antenna/cable selector panel is located in the cabinet below the salon television. Turn the selector to MAX GAIN for onboard TV antenna reception. Turn the selector to SHORE for dockside cable reception. The selector is powered through the fuse block behind the salon DC Distribution Panel.

B. DOCKSIDE TELEVISION HOOKUP

For television reception dockside, attach the dockside television cable to the inlet located in the starboard transom hatch.

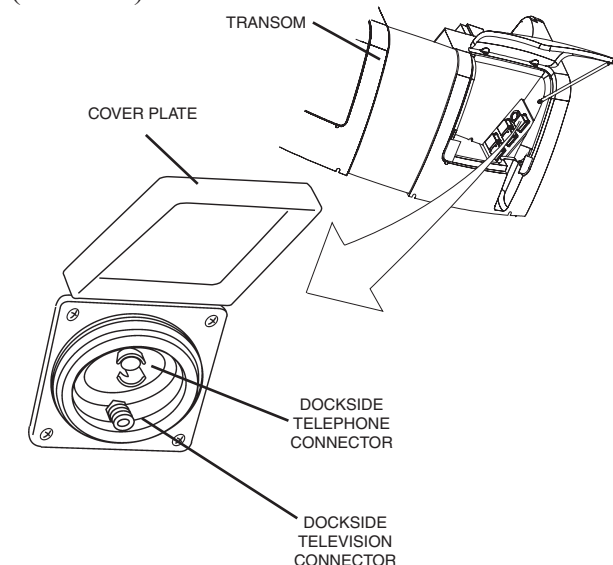
TV SIGNAL SELECTOR & ANTENNA TUNER
(FIG. 14.1)



TO CONNECT CABLE TELEVISION:

1. Unscrew and lift cover plate.
2. Screw the TV coax cable into the TV cable connector.
3. Run the cable to the dockside receptacle and screw coax cable into receptacle.

DOCKSIDE TV & TELEPHONE CONNECTION
(FIG. 14.2)



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

C. ENTERTAINMENT CENTER

SALON TV SYSTEM

The salon entertainment center consists of an LCD flat screen 20" flatscreen LCD television with remote DVD located in the ceiling above the galley. For use the TV can be dropped down electrically by using a switch on the starboard wall of the salon. The 120 volt AC STBD SYSTEMS breaker must be ON to operate the system.

SALON ENTERTAINMENT SYSTEM

The salon standard stereo system consists of a Satellite ready 12V AM/FM Single CD w/ 6-disc CD changer, amplifier and eight (8) speakers.

38 SUNDANCER OWNERS MANUAL

A Sirius® satellite receiver w/antenna is located in the cabinet above the salon sofa.

TO TURN ON SALON STEREO:

Turn on STEREO breaker on the salon DC distribution panel.

Note: The power source and breaker protection for the stereo memory is on the main DC breaker panel in the engine room. Power to stereo memory is maintained even if the battery switch is off.

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

MASTER STATEROOM ENTERTAINMENT SYSTEM

The master stateroom entertainment center consists of a 17" flat screen LCD Television/DVD combination, remote control and coax outlet. To operate, turn ON the 120VAC STBD SYSTEMS breaker on the AC Main Distribution Panel.

D. TELEPHONE SYSTEM

Dockside telephone access is available by connecting to the telephone jack in the starboard transom hatch.

TO CONNECT TELEPHONE SYSTEM:

1. Lift cover plate.
2. Connect shore cord to dock telephone inlet and then to the boat inlet.
3. Telephone system is now operational.

There are telephone jacks located in the master stateroom and salon.

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

15. CANVAS

The standard canvas(Sunbrella) consists of:

Aft Curtain
Aft Sunshades
Front Curtains
Side Curtains

The optional canvas package consists of:
Dash Cover

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

16. 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.



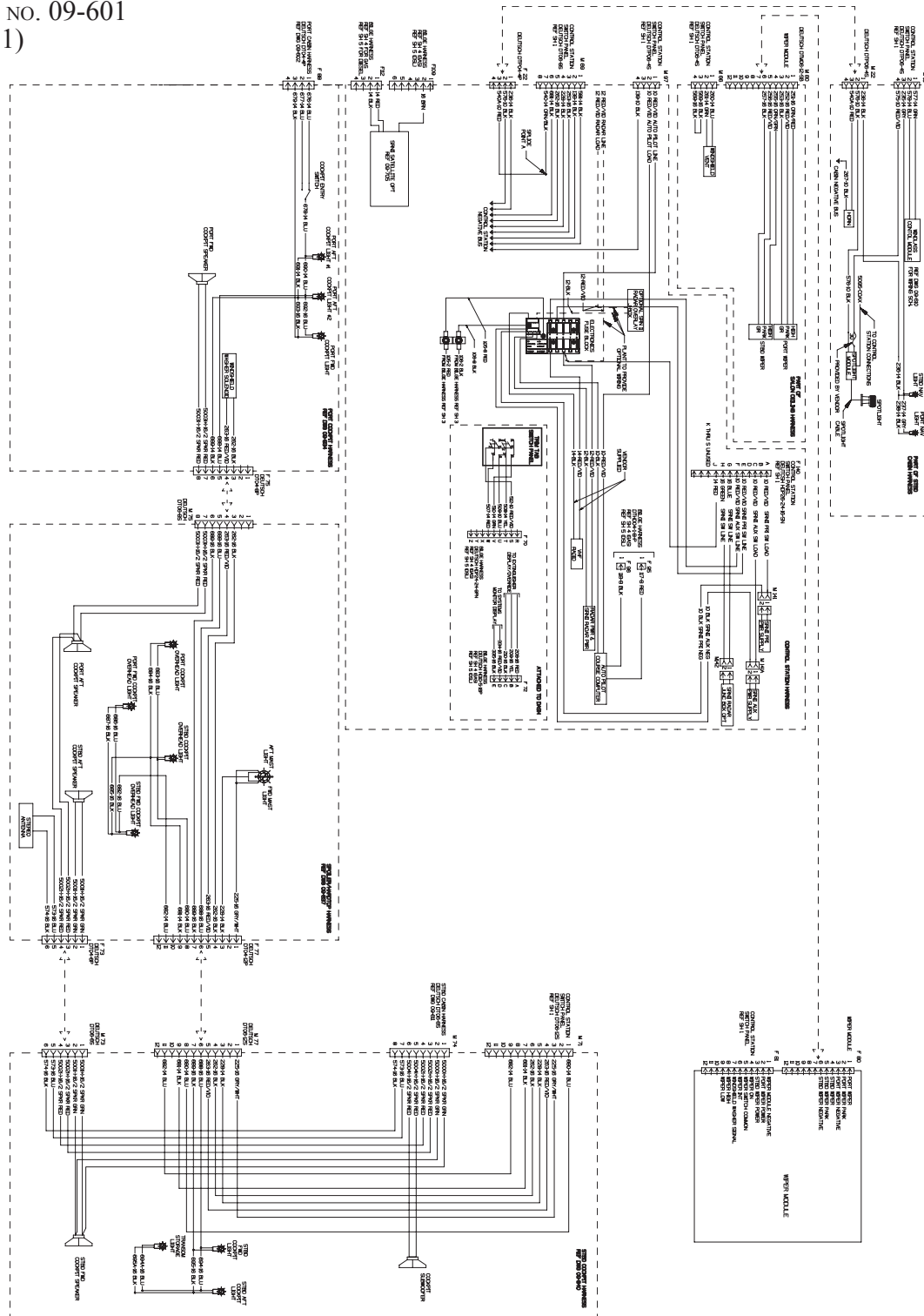
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38 SUNDANCER OWNERS MANUAL

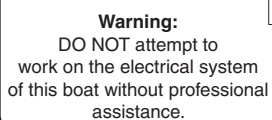
DC WIRING SCHEMATICS
DRAWING NO. 09-601
(FIG. 18.1)



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



DC WIRING SCHEMATICS
DRAWING NO. 09-601
(FIG. 19.1)



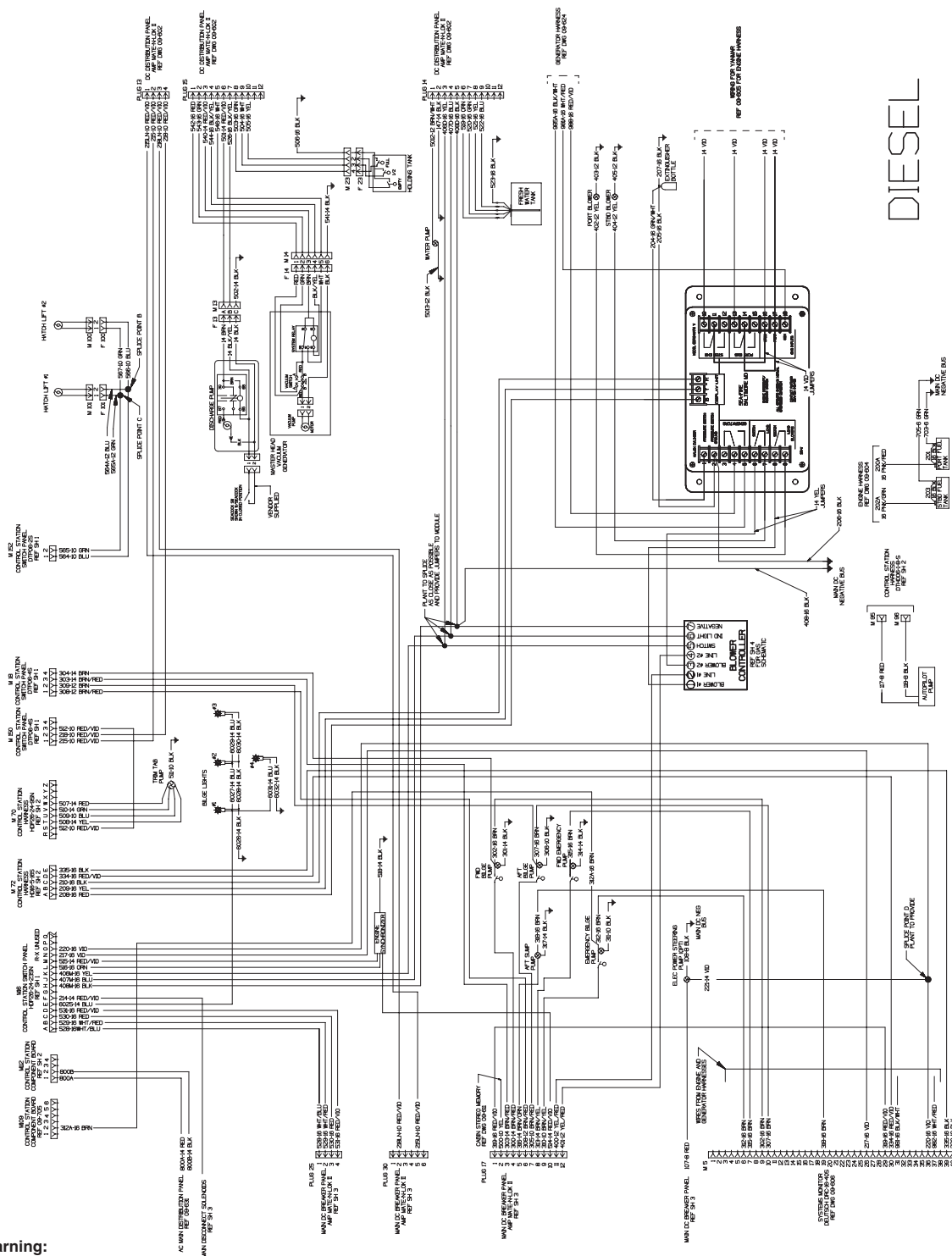
DC WIRING SCHEMATICS
DRAWING NO. 09-601
(FIG. 20.1)



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

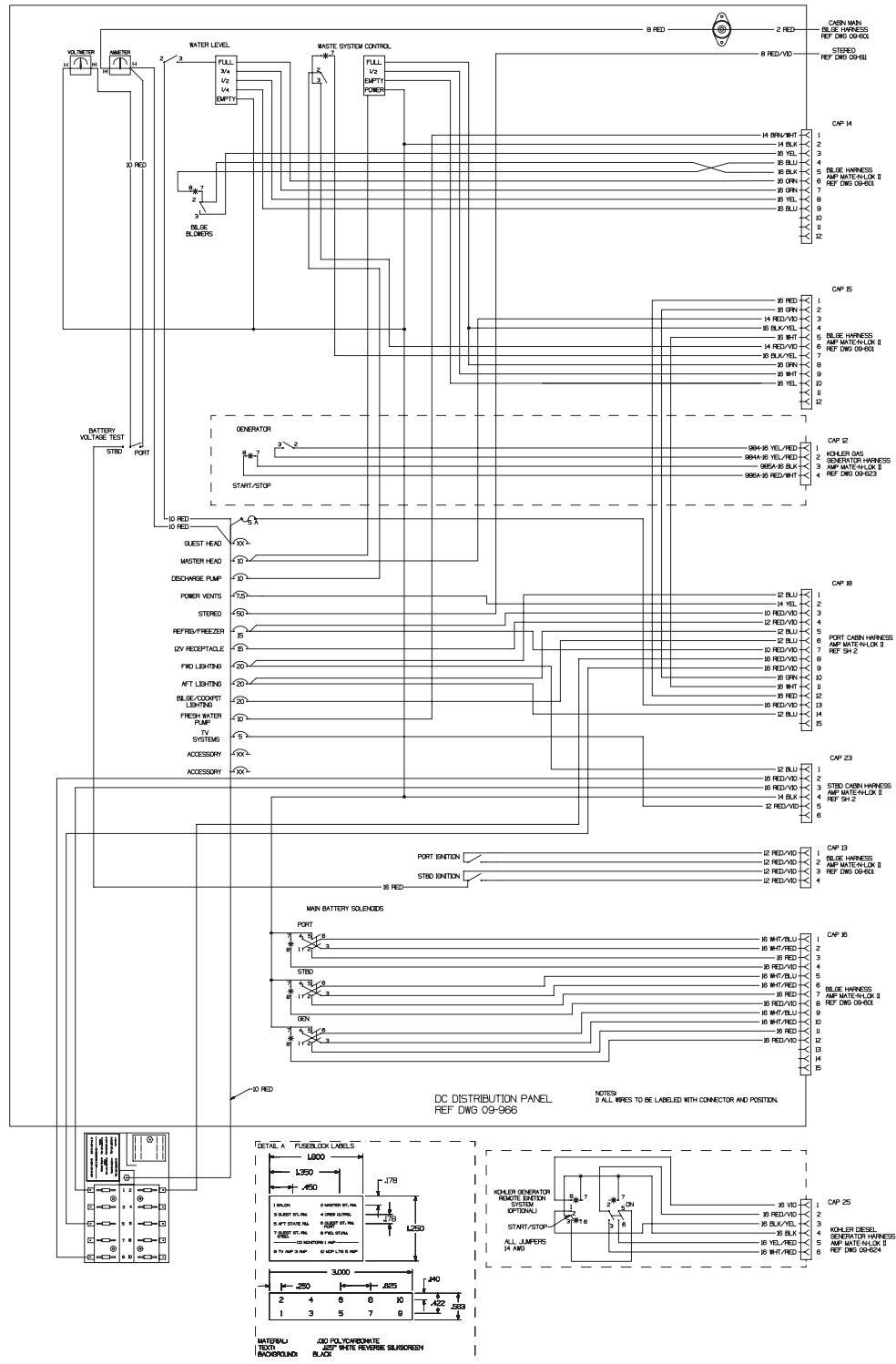
38 SUNDANCER OWNERS MANUAL

DC WIRING SCHEMATICS DRAWING NO. 09-601 (FIG. 21.1)



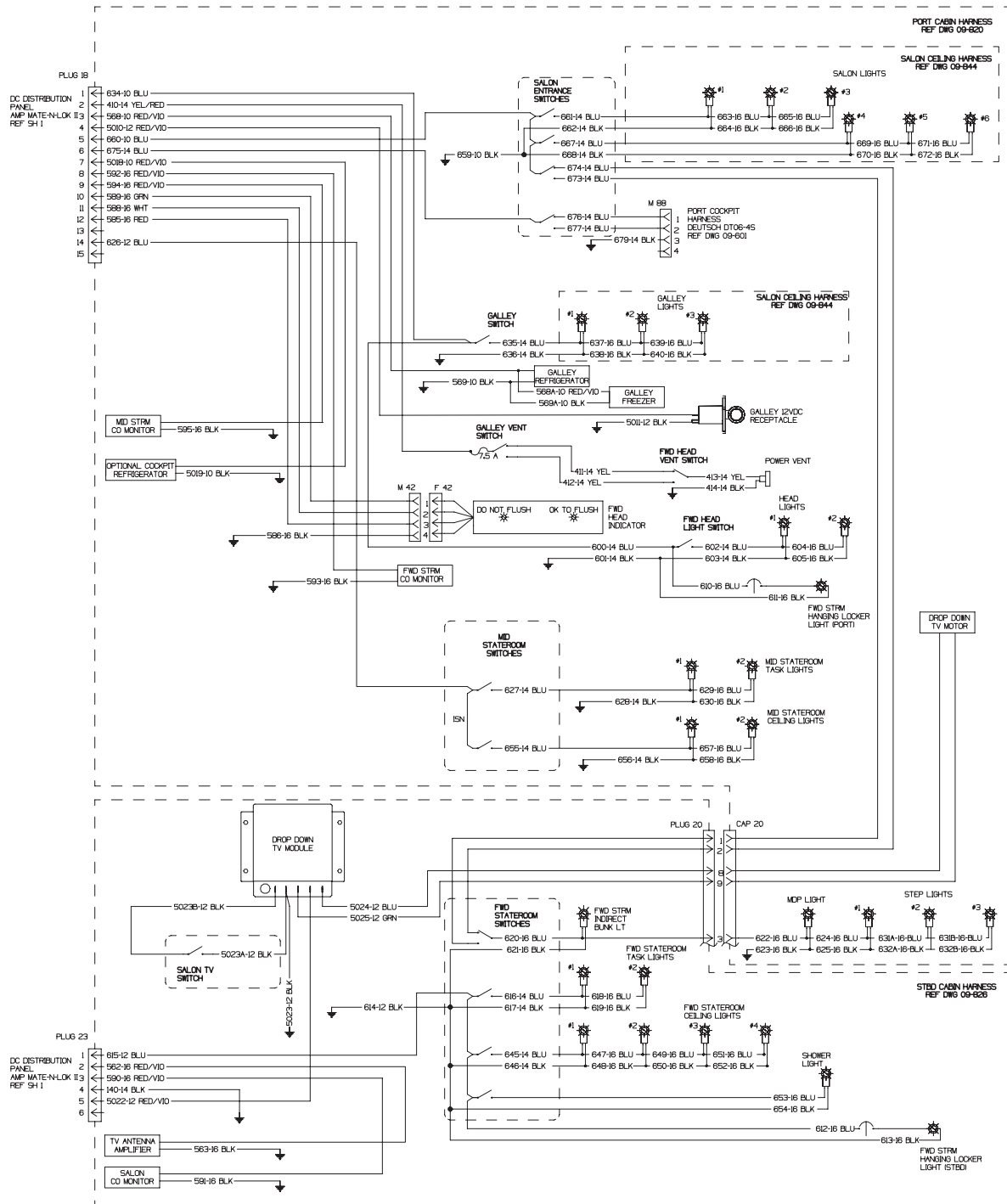
38 SUNDANCER OWNERS MANUAL

CABIN DC WIRING DIAGRAM
DRAWING NO. 09-602
(FIG. 22.1)



38 SUNDANCER OWNERS MANUAL

CABIN DC WIRING DIAGRAM
DRAWING NO. 09-602
(FIG. 23.1)



Warning:

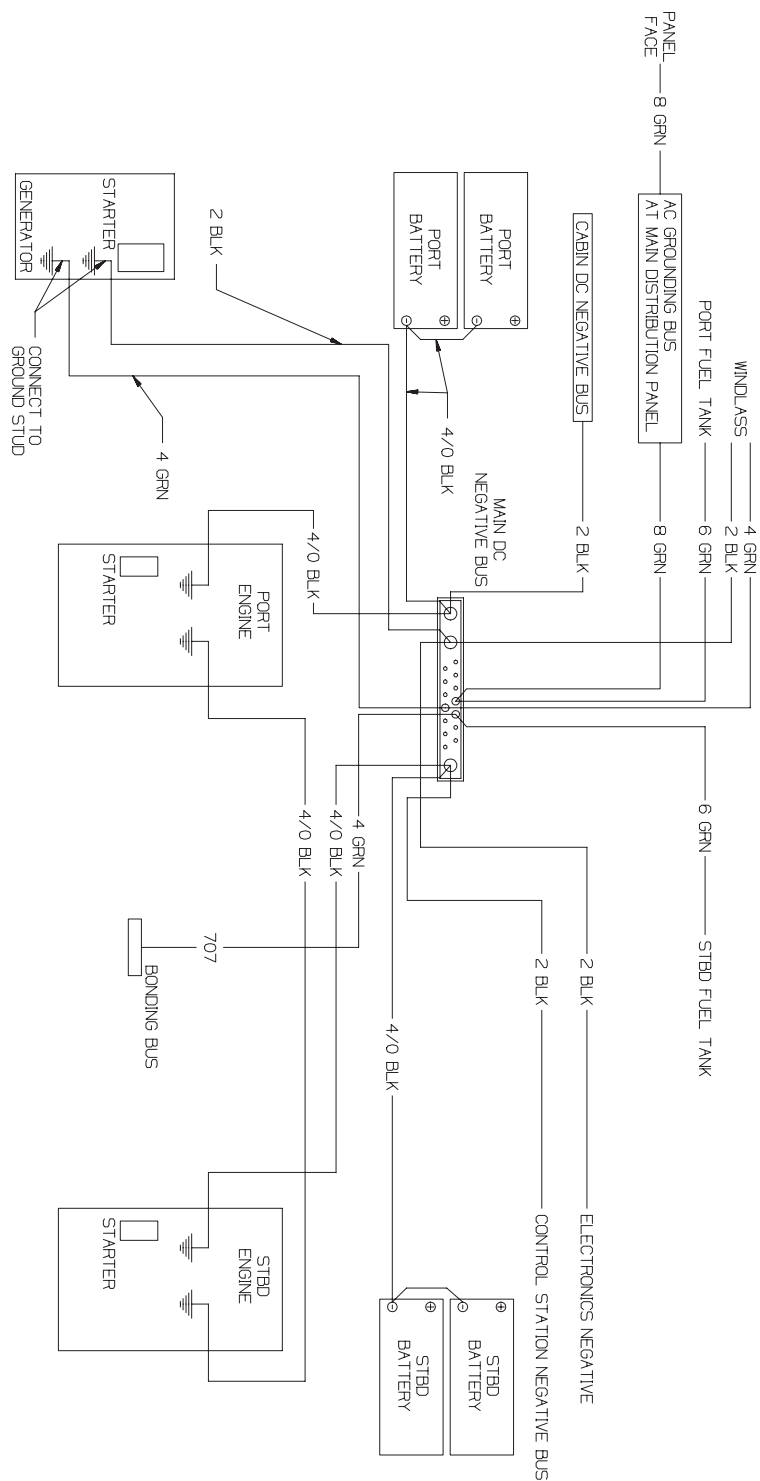
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.



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MAIN NEGATIVES, GROUNDING AND BONDING DIAGRAM
DRAWING NO. 09-603
(FIG. 24.1)

GAS T-8.1S MERCURISER
DIESEL T-VD-YANMAR 6LP-STP



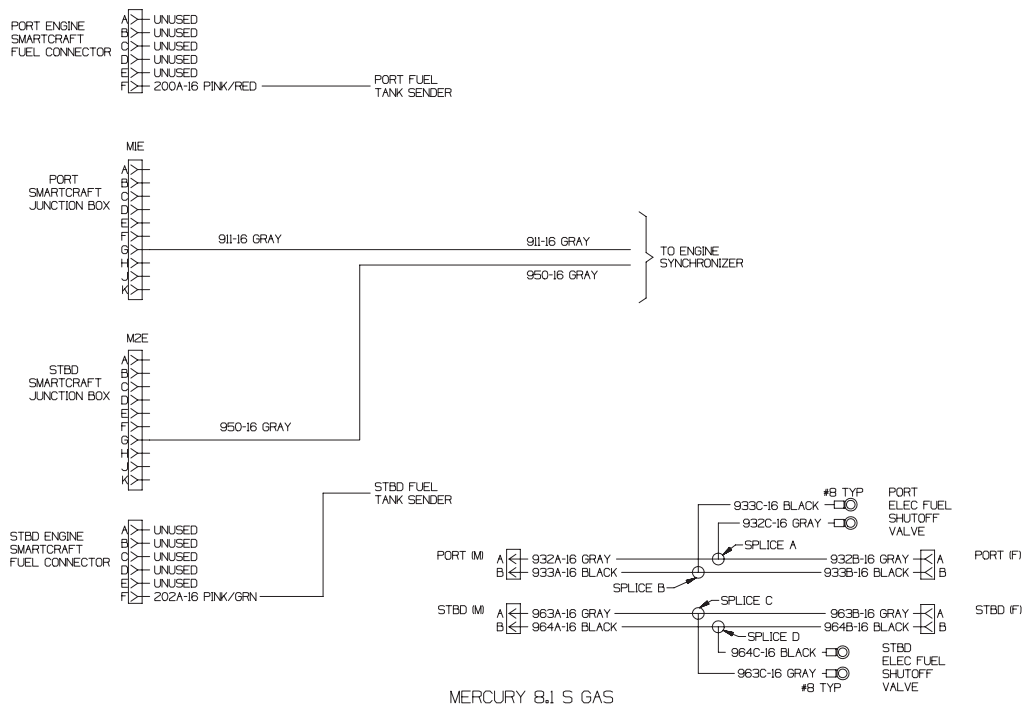
Warning:

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

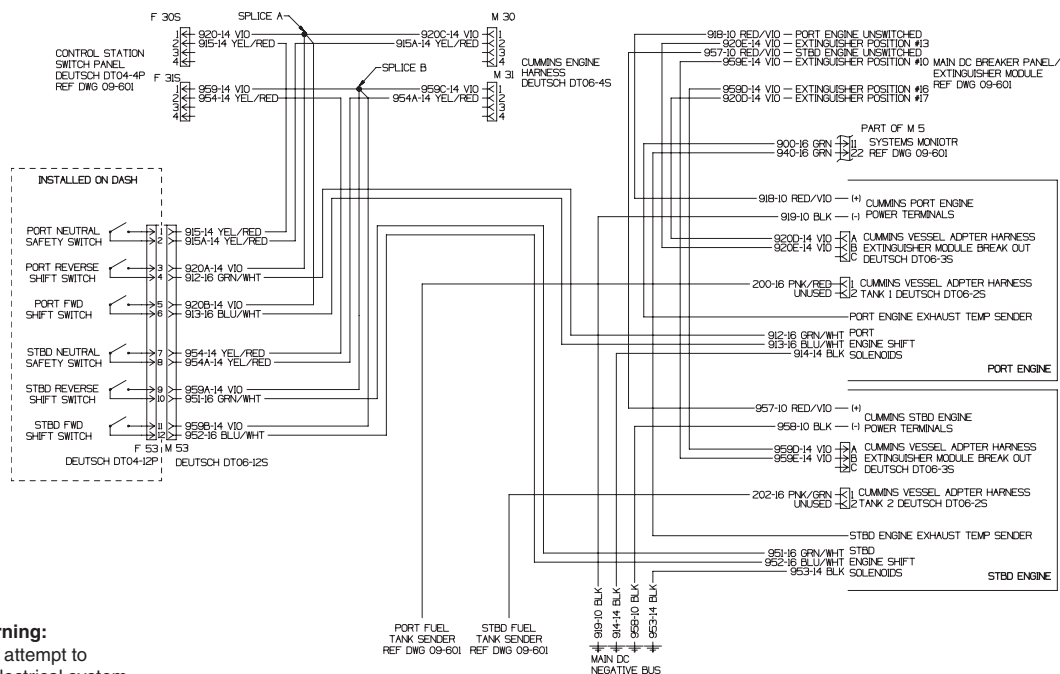


38 SUNDANCER OWNERS MANUAL

ENGINE HARNESS DIAGRAM (MERCURY 8.1 S Gas) DRAWING NO. 09-604 (FIG. 25.1)



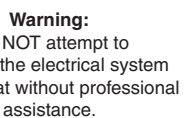
ENGINE HARNESS DIAGRAM (YANMAR DIESEL) DRAWING NO. 09-605 (FIG. 25.2)



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

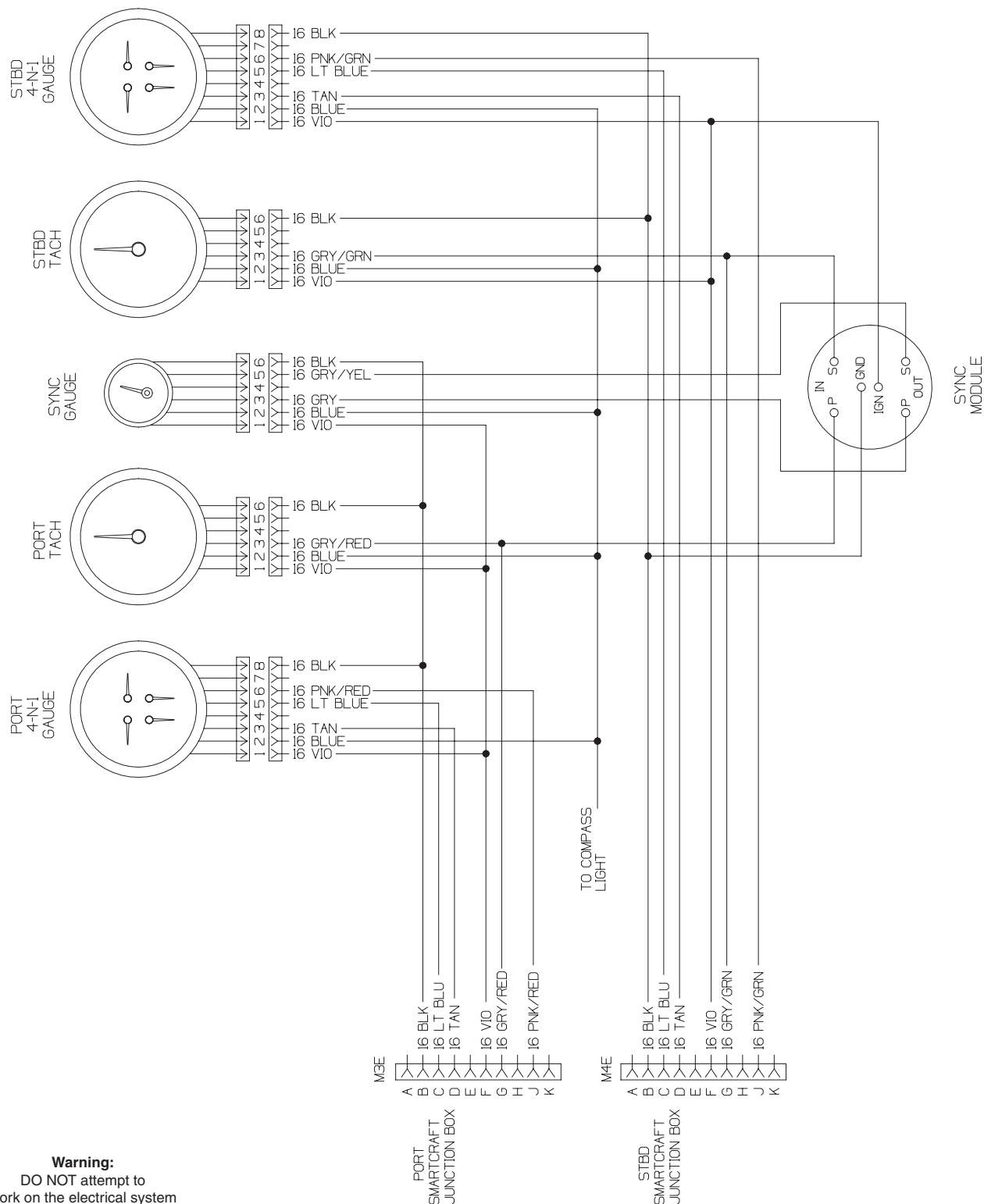


SYSTEMS MONITOR SCHEMATIC
DRAWING NO. 09-606
(FIG. 26.1)



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GAUGE HARNESS SCHEMATIC (YANMAR)
DRAWING NO. 09-607
(FIG. 27.1)

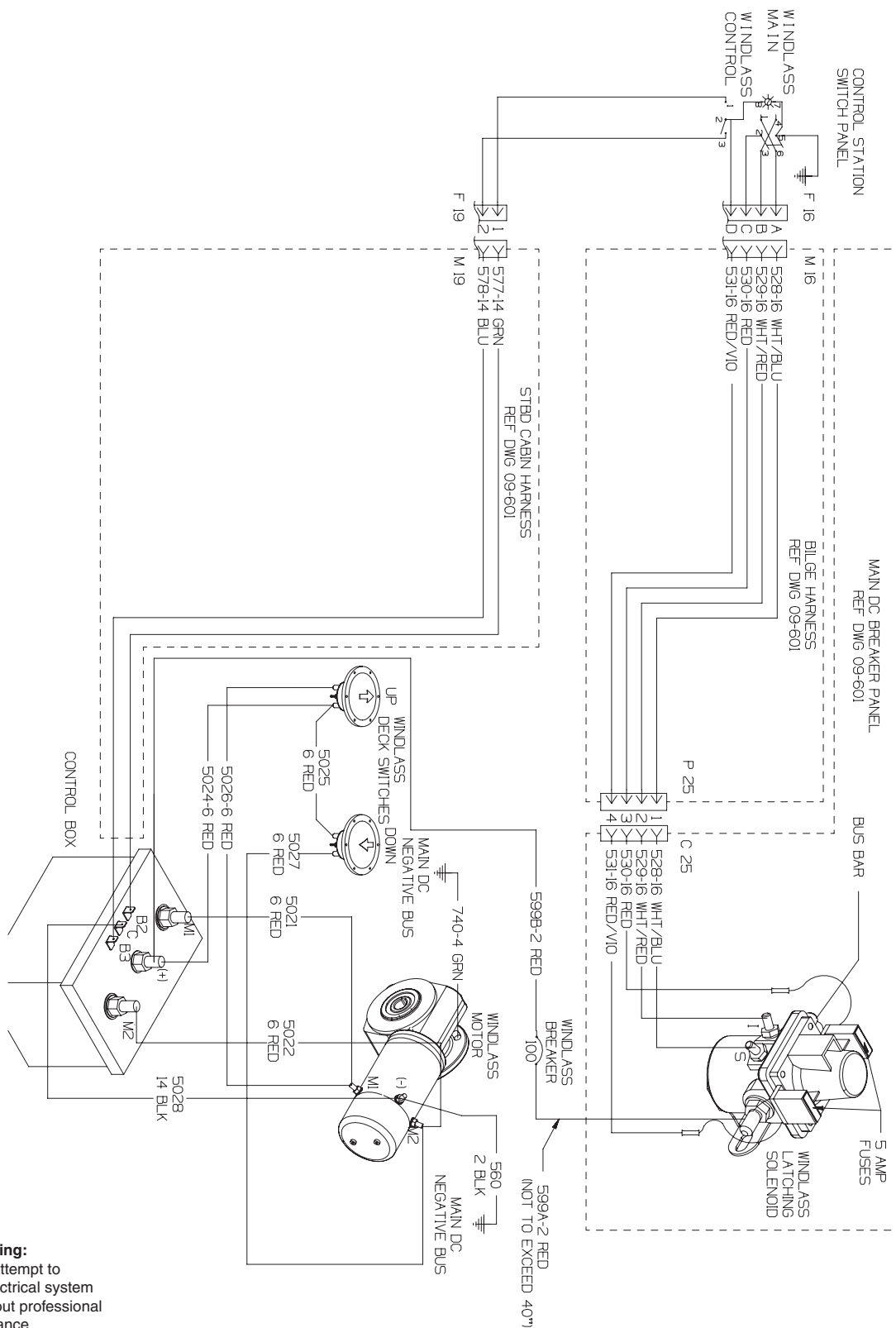


Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.



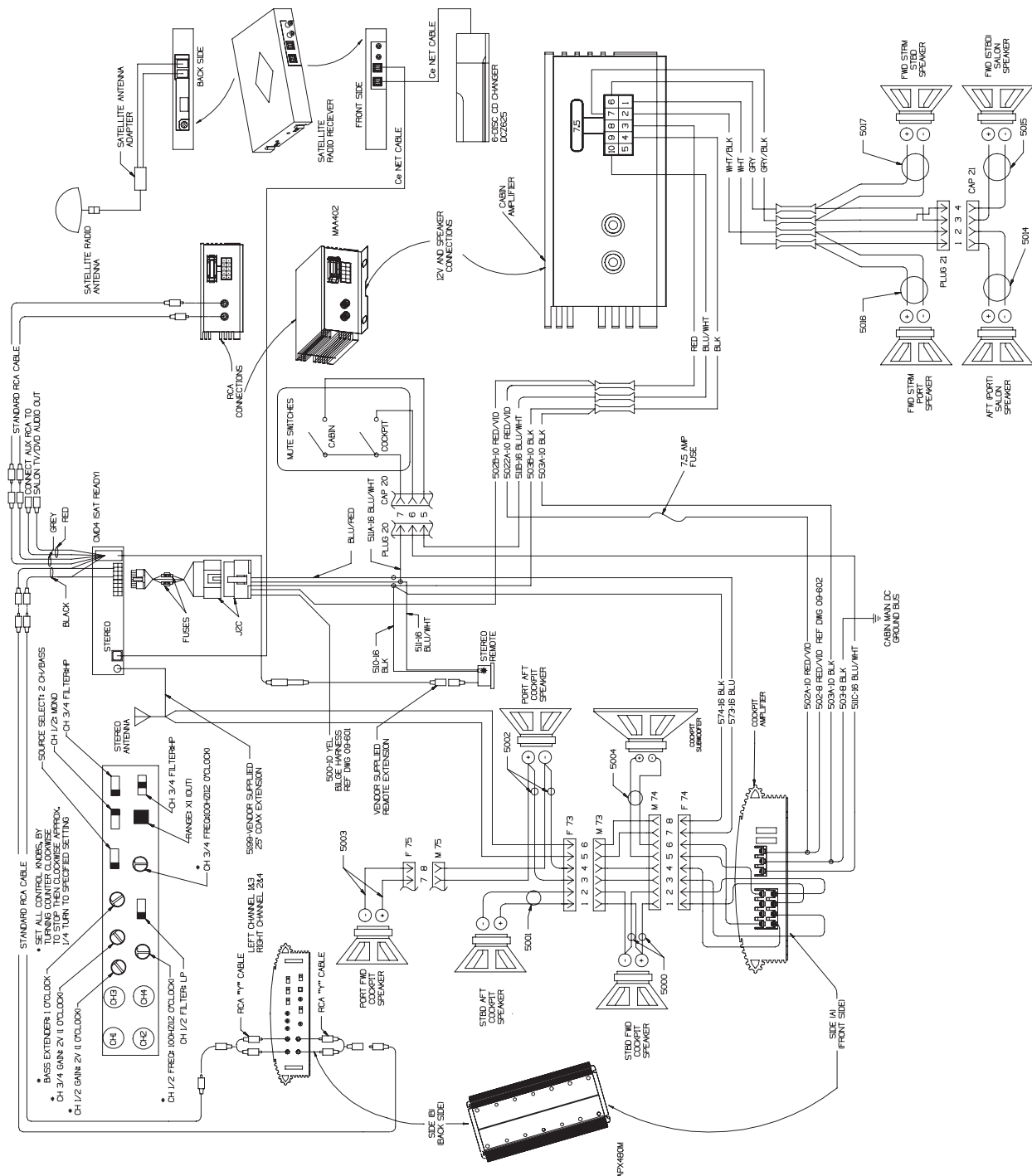
38 SUNDANCER OWNERS MANUAL

WINDLASS WIRING SCHEMATIC
DRAWING NO. 09-610
(FIG. 28.1)



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STEREO WIRING SCHEMATIC
DRAWING NO. 09-611
(FIG. 29.1)



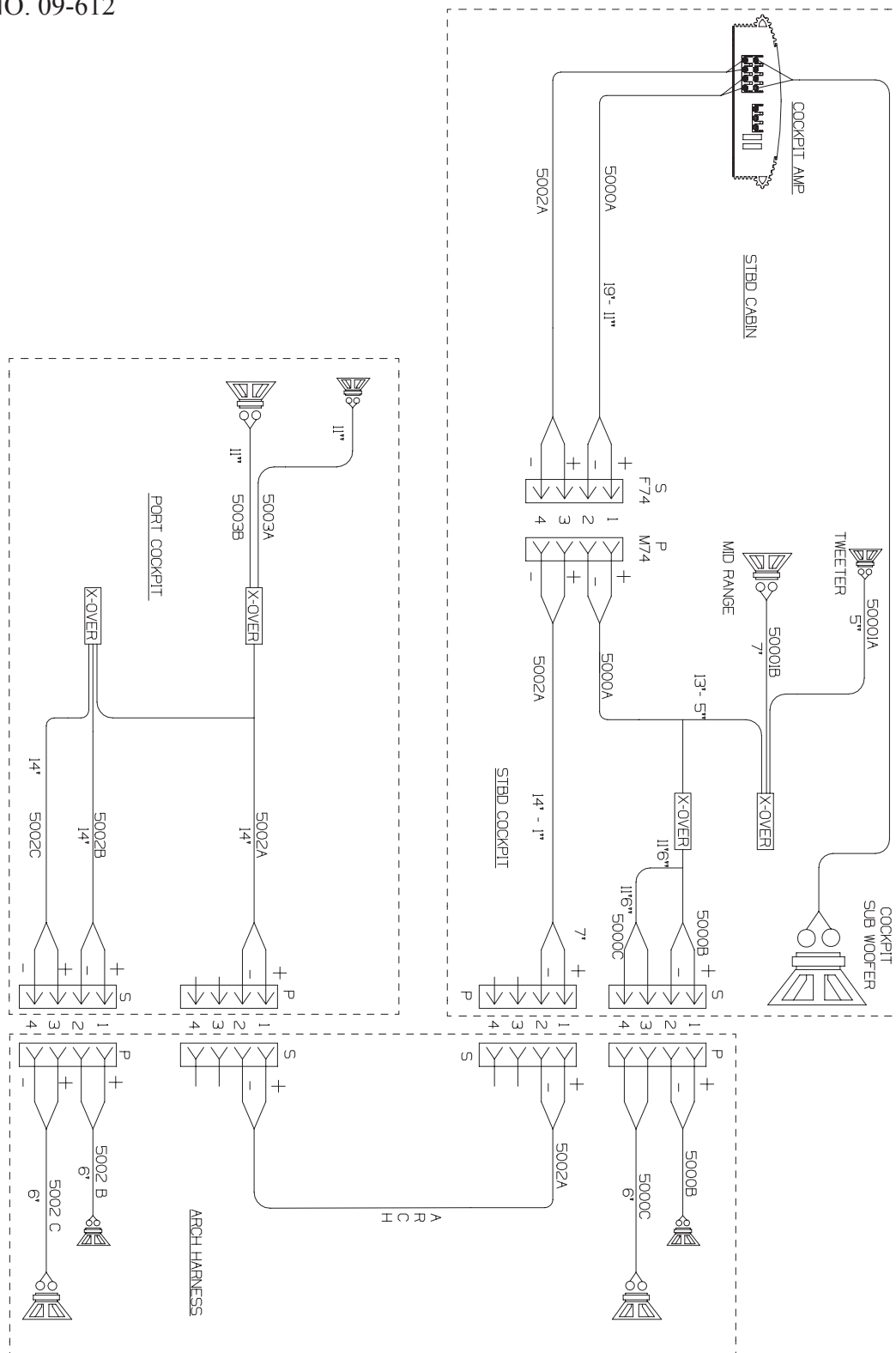
Warning:

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



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STEREO UPGRADE WIRING SCHEMATIC
DRAWING NO. 09-612
(FIG. 30.1)



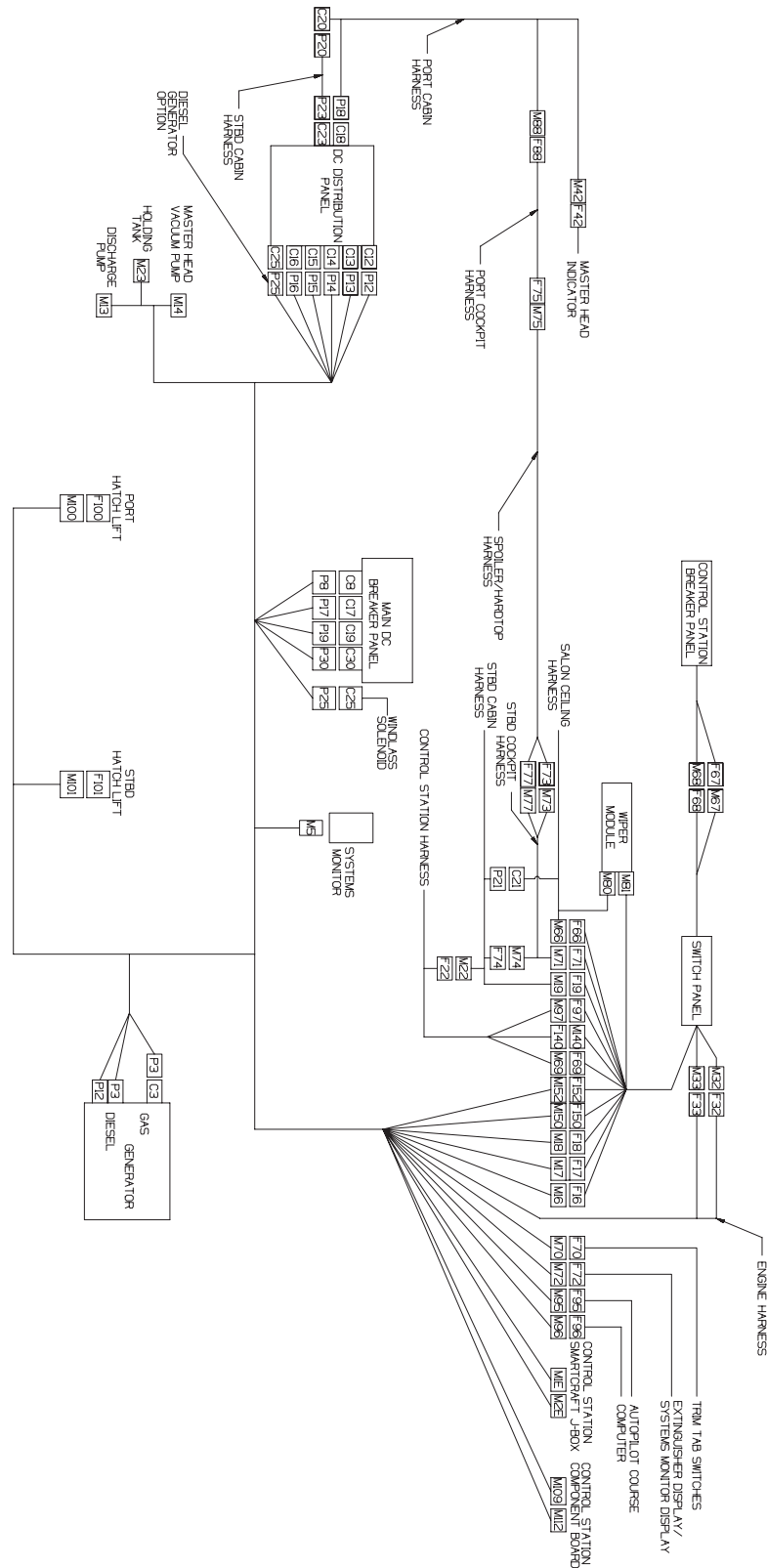
Warning:

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



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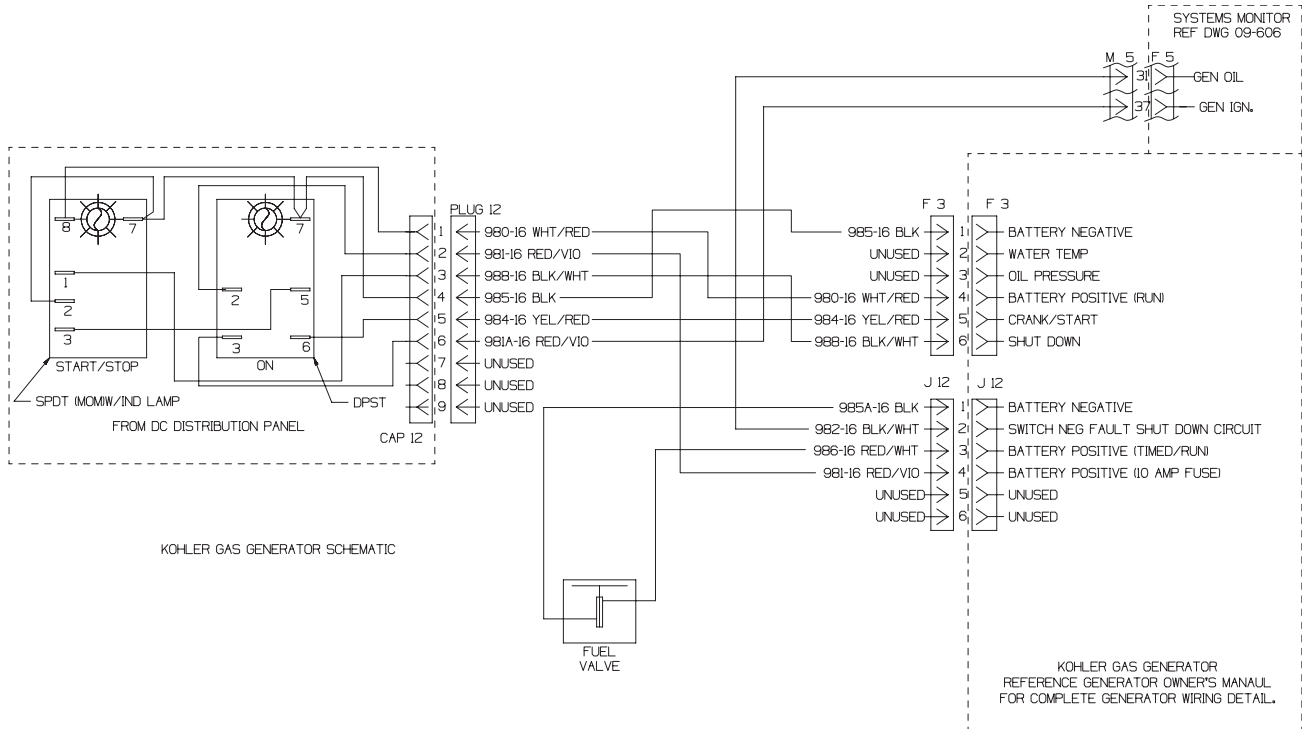
INTERCONNECT DIAGRAM
DRAWING NO. 09-722
(FIG. 32.1)



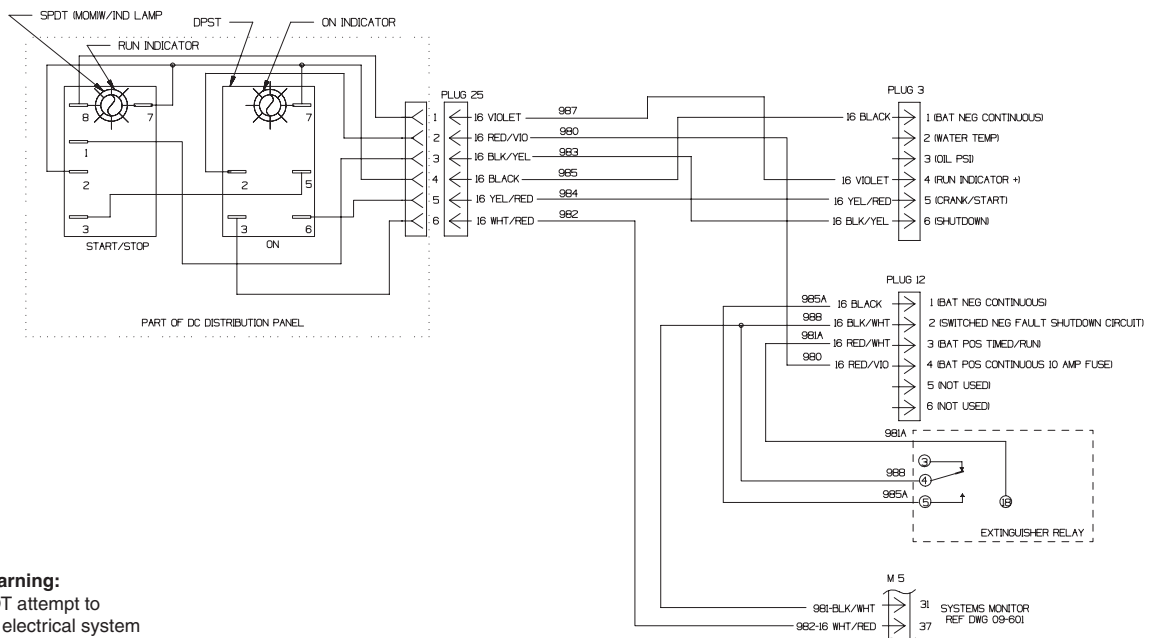
Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.

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GENERATOR SCHEMATIC (Gas)
DRAWING NO. 09-623
(FIG. 33.1)



GENERATOR SCHEMATIC (Gas)
DRAWING NO. 09-624
(FIG. 33.2)

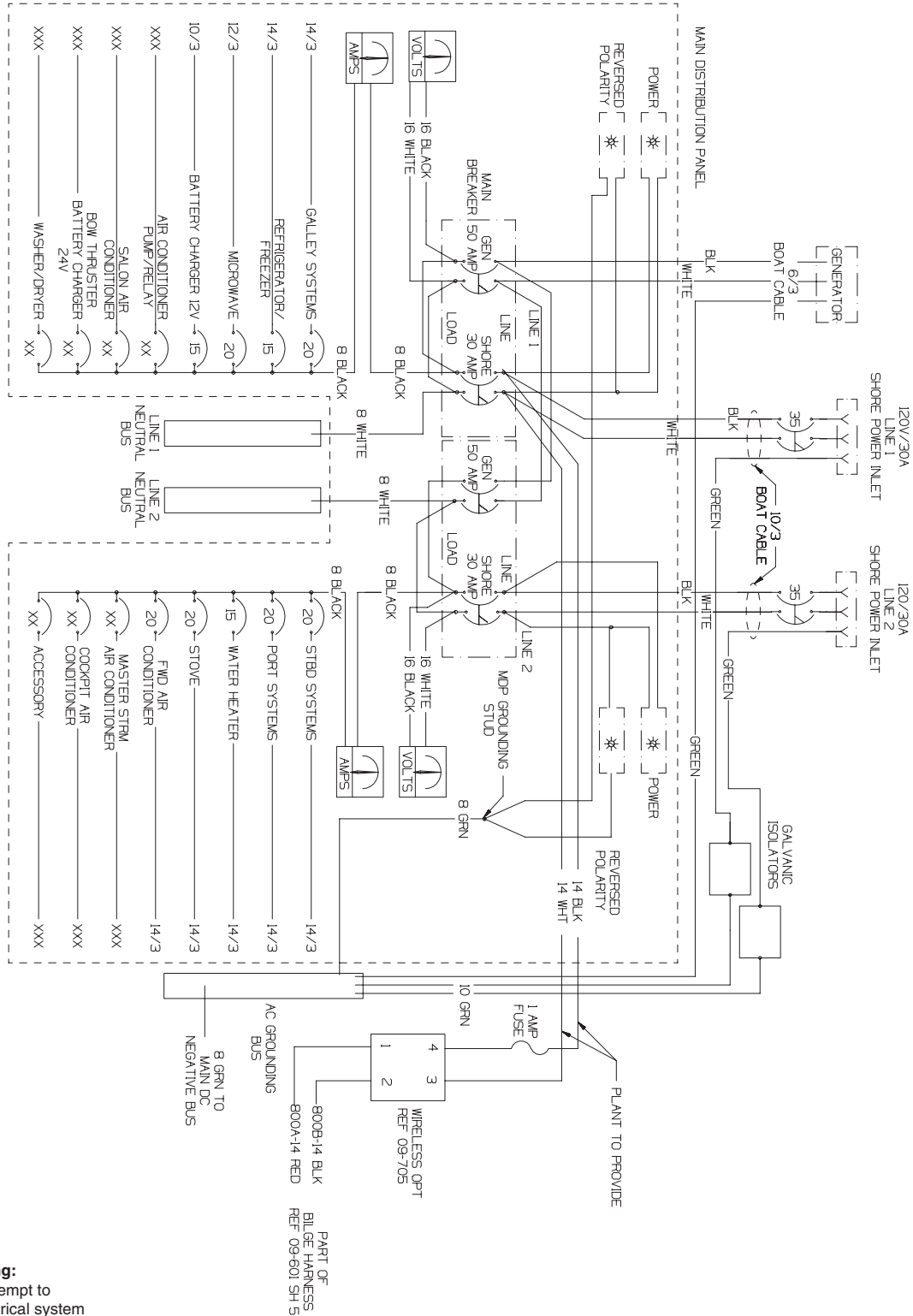


Warning:
DO NOT attempt to
work on the electrical system
of this boat without professional
assistance.



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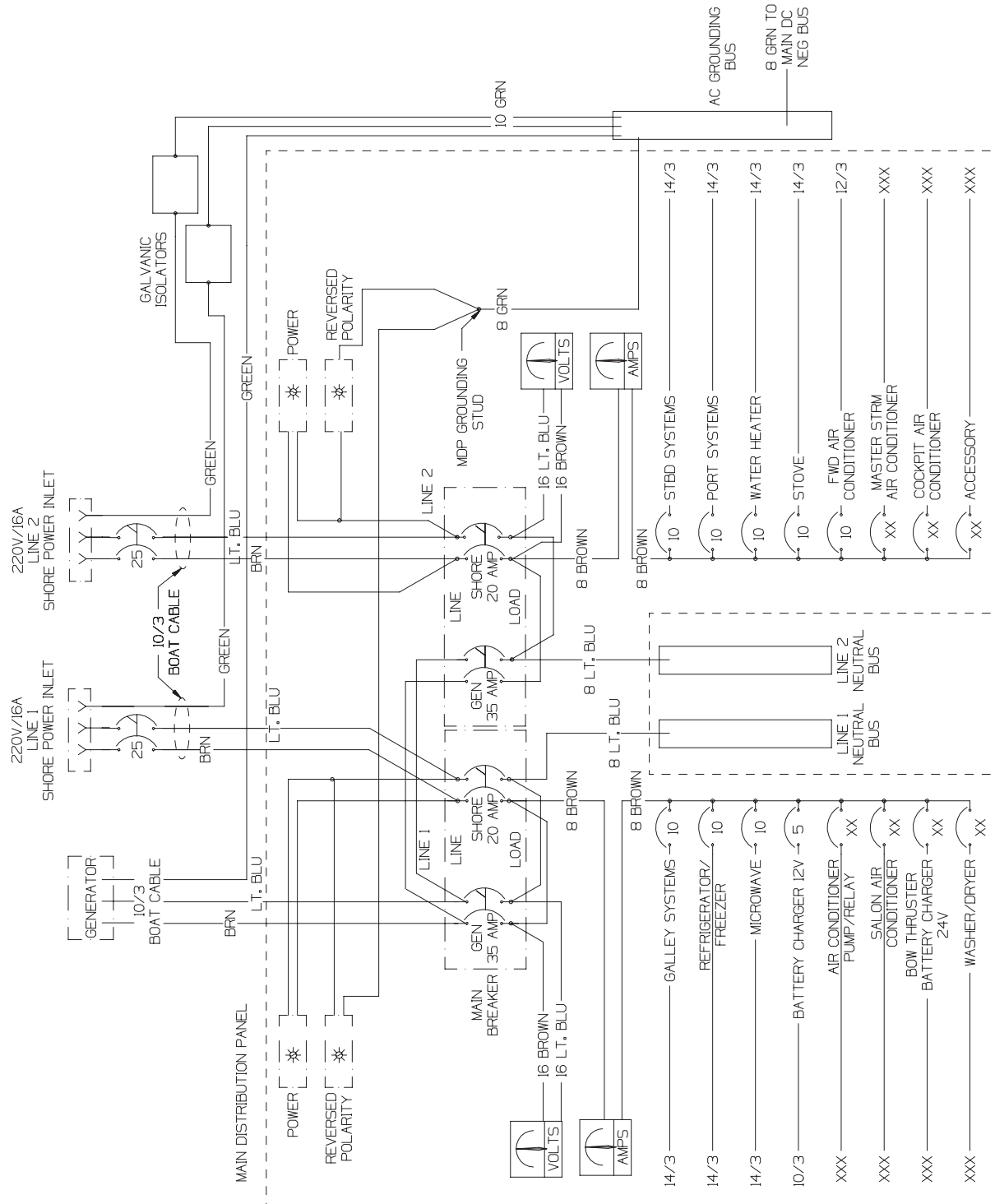
AC WIRING SCHEMATIC (120V/60Hz)
DRAWING NO. 09-630
(FIG. 34.1)



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

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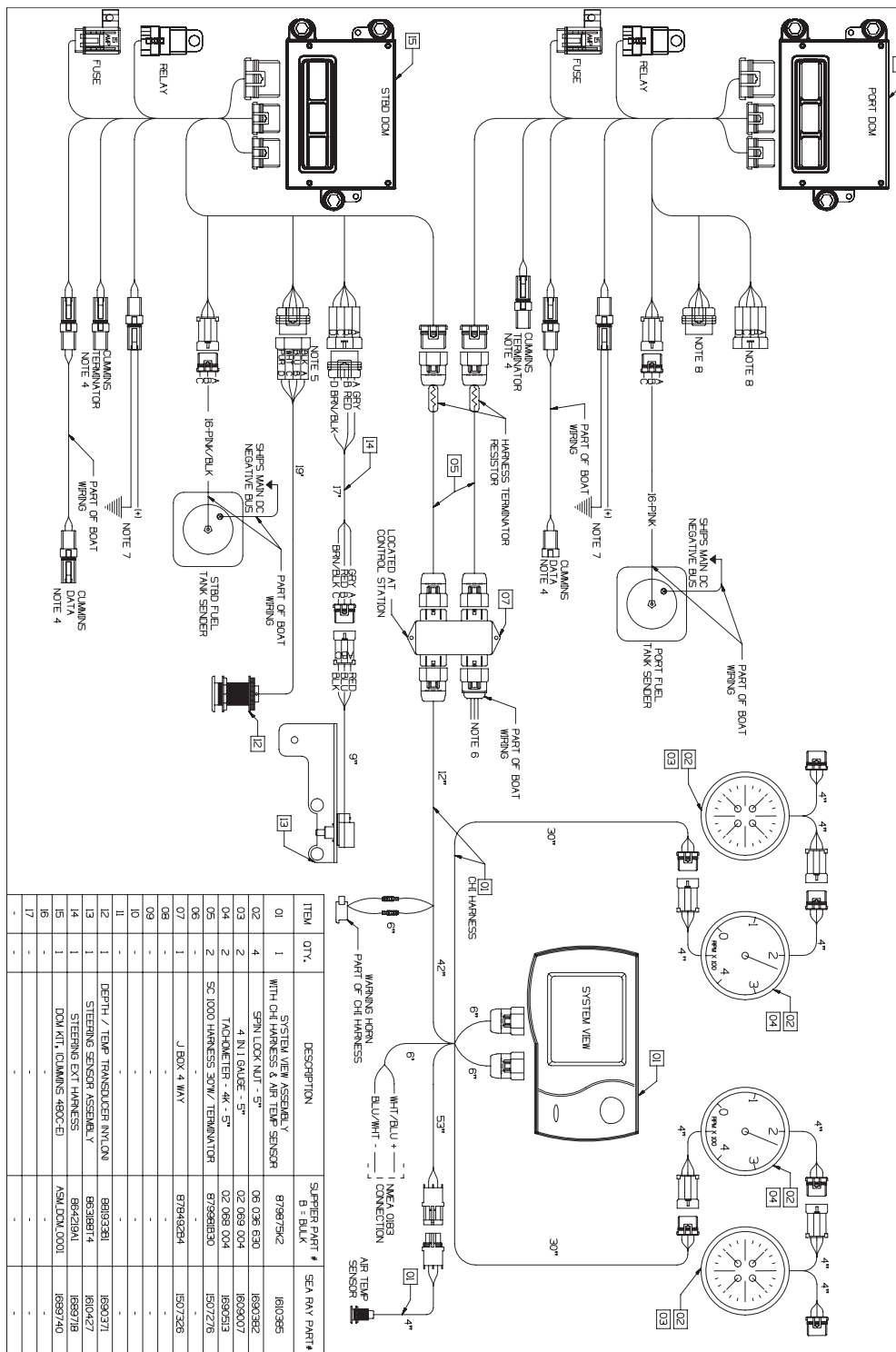
AC WIRING SCHEMATIC (220V/50Hz)
DRAWING NO. 09-632
(FIG. 35.1)



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

38 SUNDANCER OWNERS MANUAL

SMARTCRAFT™ SYSTEM DIAGRAM (DIESEL)
DRAWING NO. 09-702
(FIG. 38.1)



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



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