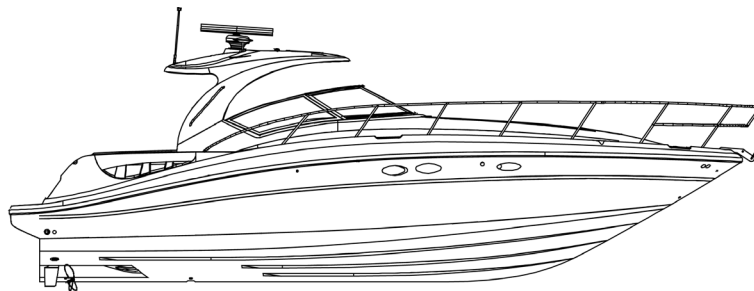


*Sea Ray* 

Specific  
Information  
Manual

# 40 Sundancer





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# 40 SUNDANCER SPECIFIC INFORMATION MANUAL

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Owner's Manual  
40 Sundancer

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Note: Not all accessories shown in pictures or described herein are standard equipment or even available as options.  
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# 40 SUNDANCER OWNERS MANUAL

## 1. LOAD CAPACITY

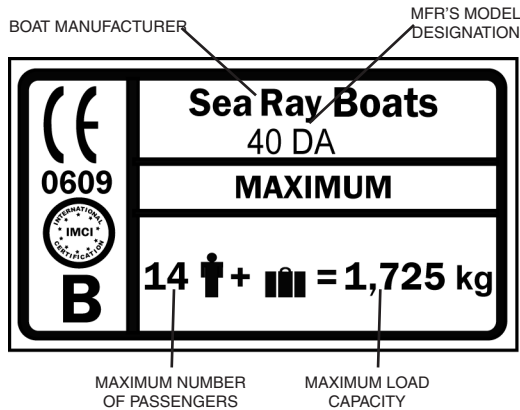
Refer to the General Information Manual for a detailed explanation of *Load Capacity*.

### ⚠ 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.

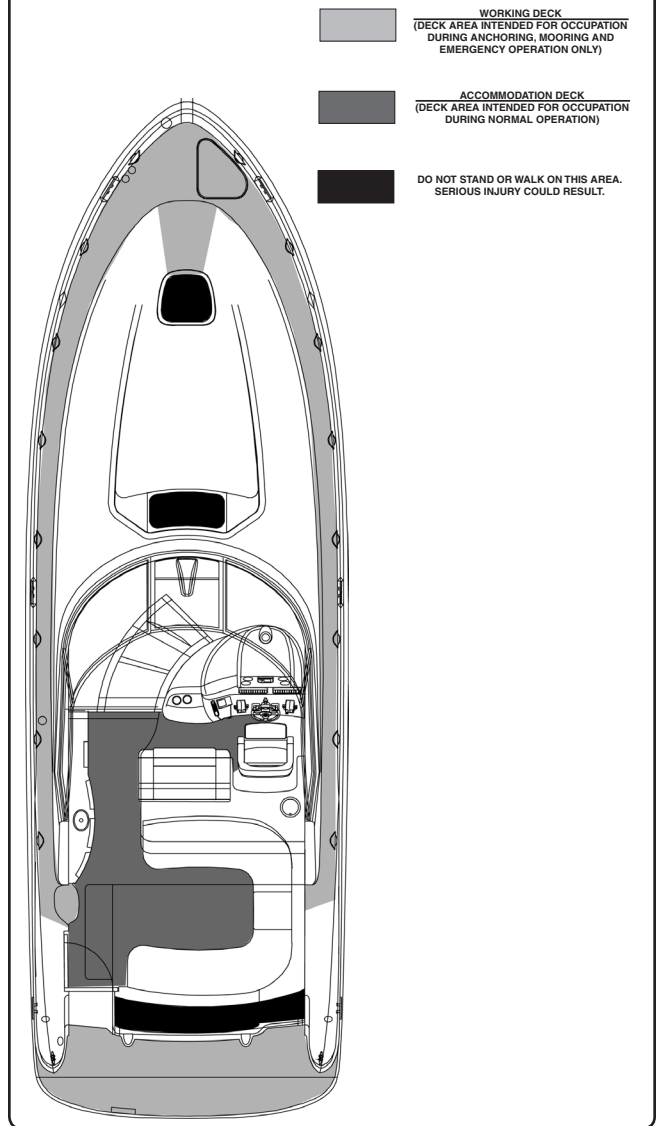
### ⚠ WARNING

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)



### ⚠ 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

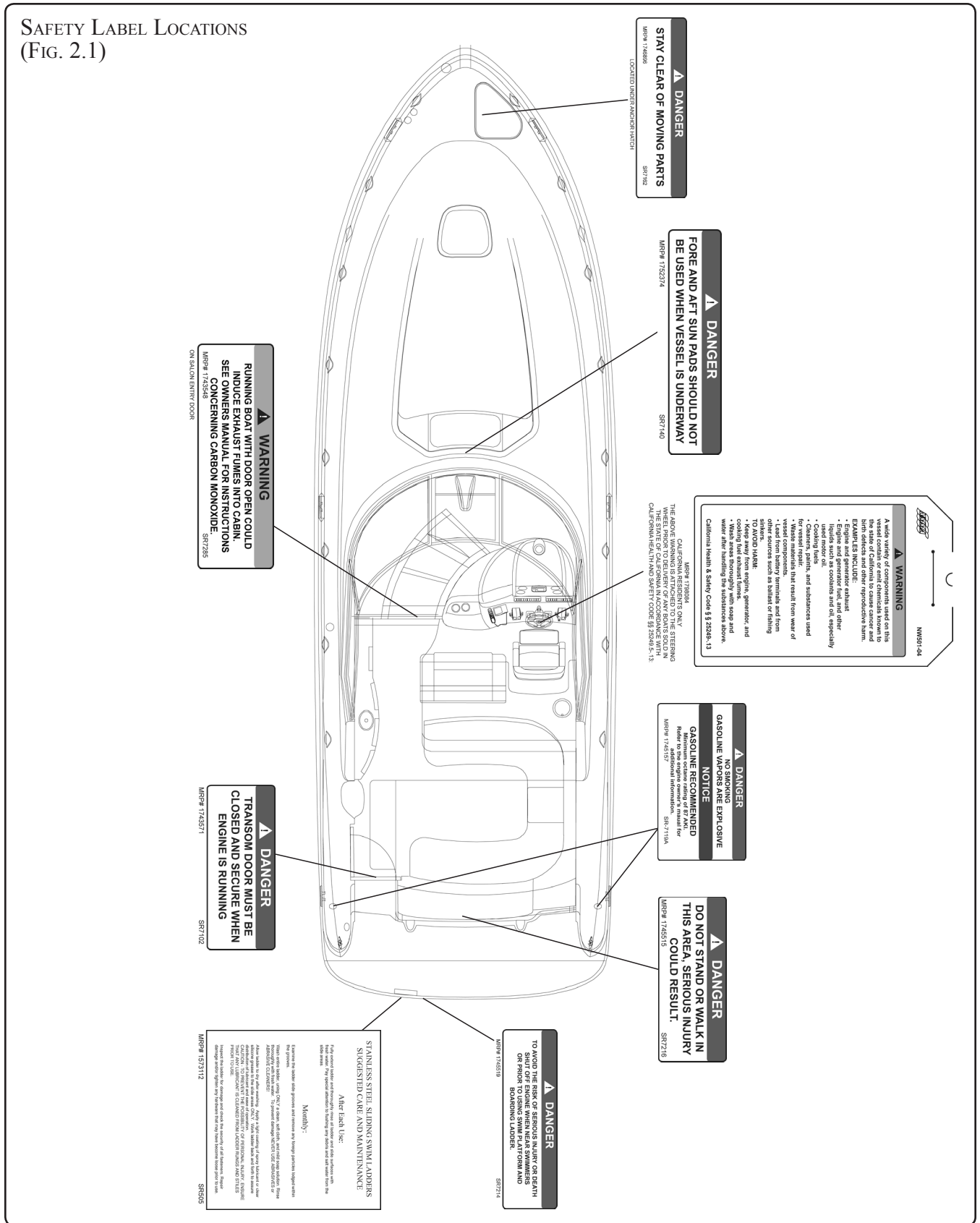
Rear facing transom seats **MUST NOT** be used while engine is running or boat is moving.



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## 3. SAFETY LABEL LOCATIONS

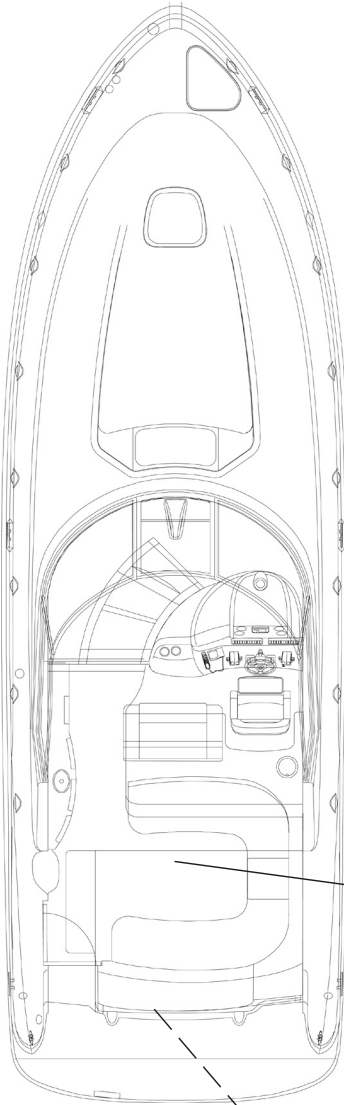
SAFETY LABEL LOCATIONS  
(FIG. 2.1)



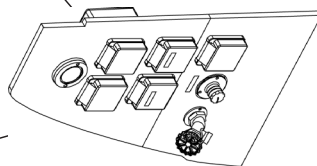
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## SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS  
(FIG. 3.1)



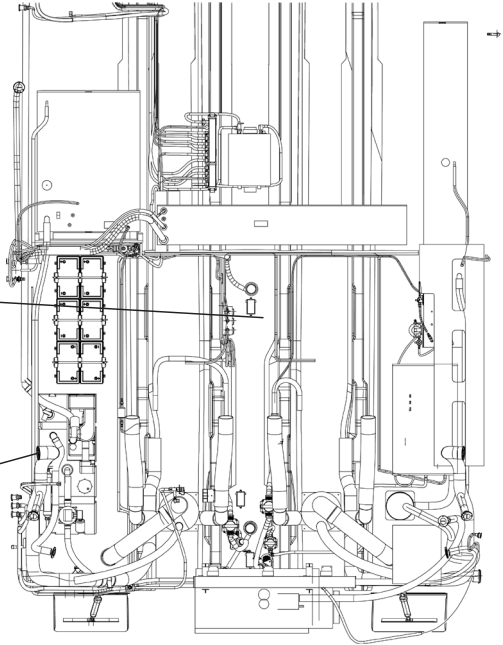
**⚠ WARNING**  
DO NOT LEAVE BOAT UNATTENDED WITH THE DOCKSIDE WATER HOSE CONNECTED. DOCKSIDE WATER SHOULD BE CONNECTED DURING PERIODS OF HEAVY WATER USAGE ONLY.  
SR7124  
MRP# 1745162



COMPONENT BOARD

**⚠ DANGER**  
UNPLUG SHORE POWER AND TURN OFF GENERATOR BEFORE REMOVING COVER  
SR154  
MRP# 825282

**NOTICE**  
THIS BOAT IS EQUIPPED WITH AN OPTIONAL DIRECT OVERBOARD DISCHARGE VALVE. DISCHARGING OF SEWAGE DIRECTLY OVERBOARD IS FOR USE WHERE APPROVED ONLY.  
SR1155  
MRP# 1142105



**DISCHARGE OF OIL PROHIBITED**  
THE FEDERAL WATER POLLUTION CONTROL ACT PROHIBITS THE DISCHARGE OF OIL OR OILY WASTE INTO OR UPON THE NAVIGABLE WATERS OF THE UNITED STATES OR THE WATERS OF THE CONTIGUOUS ZONE IF SUCH DISCHARGE CAUSES A FILM OR SHEEN UPON OR A DISCOLORATION OF THE SURFACE OF THE WATER OR CAUSES A SLUDGE OR EMULSION BENEATH THE SURFACE OF THE WATER. VIOLATORS ARE SUBJECT TO A PENALTY OF \$3,000.  
SR744  
MRP# 1244737

**PREVENT THE DISCHARGE OF POLLUTANTS**  
DISCHARGE OF OIL OR OILY WASTE INTO NAVIGABLE WATERS IS PROHIBITED IF SUCH A DISCHARGE CAUSES A FILM, SHEEN OR DISCOLORATION OF THE SURFACE OF THE WATER, OR EMULSION BENEATH THE SURFACE OF THE WATER. VIOLATORS WILL BE SUBJECT TO PENALTIES.  
SR1760  
MRP# 142324

**⚠ DANGER**  
STAY CLEAR OF MOVING PARTS WHILE ENGINE IS RUNNING  
SR1746  
MRP# 142612

**⚠ WARNING**  
LEAKING FUEL IS A FIRE AND EXPLOSION HAZARD. INSPECT SYSTEM REGULARLY. EXAMINE FUEL TANKS FOR LEAKS OR CORROSION AT LEAST ANNUALLY.  
SR1751  
MRP# 1742073

**NOTICE**  
THIS BOAT IS EQUIPPED WITH AN OPTIONAL DIRECT OVERBOARD DISCHARGE VALVE. DISCHARGING OF SEWAGE DIRECTLY OVERBOARD IS FOR USE WHERE APPROVED ONLY.  
SR1155  
MRP# 1142105

**NOTICE**  
CHECK BATTERY CELL FLUID LEVEL APPROXIMATELY EVERY 4 WEEKS, AND MORE OFTEN IN SUMMER AND HOT ZONES.  
SR1739  
MRP# 1742027

**⚠ CAUTION**  
PRIOR TO TOWING VESSEL:  
• LOCK PROPELLER SHAFT(S) TO PREVENT DAMAGE TO SHAFT SEAL AND TRANSMISSION BEARINGS.  
• CLOSE SEACOCKS ON NON-OPERATING ENGINES TO PREVENT SEA WATER INGESTION.  
SR1720  
MRP# 1715185

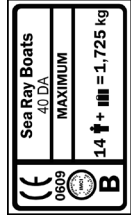
UNDER-HATCH



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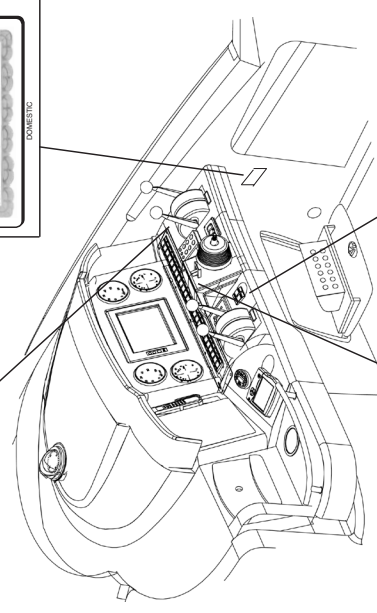
## SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS  
(FIG. 4.1)



**WARNING**  
VISIBILITY FROM THE REAR VIEW MIRROR IS LIMITED.  
AVOID COLLISIONS—MAINTAIN LOOKOUT  
AS REQUIRED IN RULES OF THE ROAD.  
BY US-COAST GUARD  
MOPH 1752656 SPT1752656

**IMPORTANT SAFETY AND OPERATIONAL INFORMATION!**  
SPT1752656

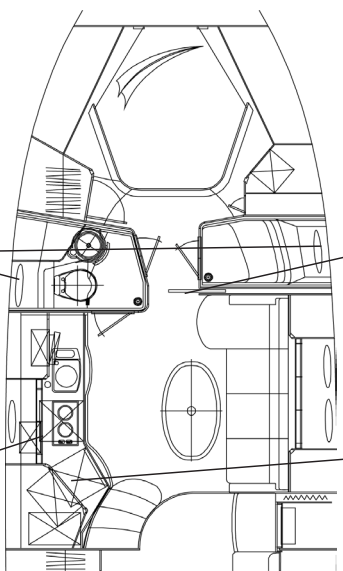


**DANGER**  
**AVOID COLLISIONS—**  
- Visibility can be limited by high beam time engine, person, or other vessel.  
- At all times proceed at a Safe Speed so that you can take appropriate action to avoid collision with other vessel.  
**AVOID RISK OF INJURY OR DEATH. SHUT OFF ENGINE PRIOR TO USING SWIMUP, SWIM PLATFORM OR BOARDING LADDER.**  
MOPH 1744804 SPT1737  
Dometic (CSP41)

**DANGER**  
AVOID BEROUS INJURY OR DEATH FROM CARBON MONOXIDE EXHAUST FROM ENGINES CONTAINS CARBON MONOXIDE GAS. KEEP COCKPIT CABIN AND CARGO AREA WELL VENTILATED. DO NOT USE LAMPS, SIDE CURTAINS AND FORWARD VESIC WITHOUT PROPER VENTILATION. DO NOT USE COOKING APPLIANCES AND DISHWASHERS. DO NOT MISTAKE FOR SEAFRESHNESS. SEE OWNER'S MANUAL FOR MORE INFORMATION.  
MOPH 1744804 SPT2946  
Gas (Standard)

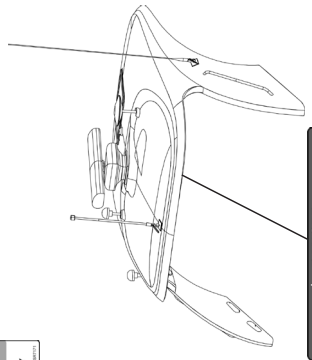
**DANGER**  
LEAVING WINDOW OPEN COULD INDUCE EXHAUST FUMES INTO CABIN, RESULTING IN SEVERE INJURY OR DEATH.  
MOPH 1745045 SPT1745045

**WARNING**  
TURN OFF COFFEE MAKER BEFORE CLOSING DOOR.  
SPT1745045



**WARNING**  
DOOR MUST BE SECURED WHILE VESSEL IS UNDERWAY.  
SPT1745045

**EXHAUST FAN MUST BE ON WHEN COFFEE APPLIANCE IS IN USE.**  
SPT1745045



**DANGER**  
DO NOT CLIMB UPON OR STORE EQUIPMENT ON HARDTOP.  
MOPH 1744879 SPT1744879  
LOCATED ON UNDERSIDE OF HARDTOP

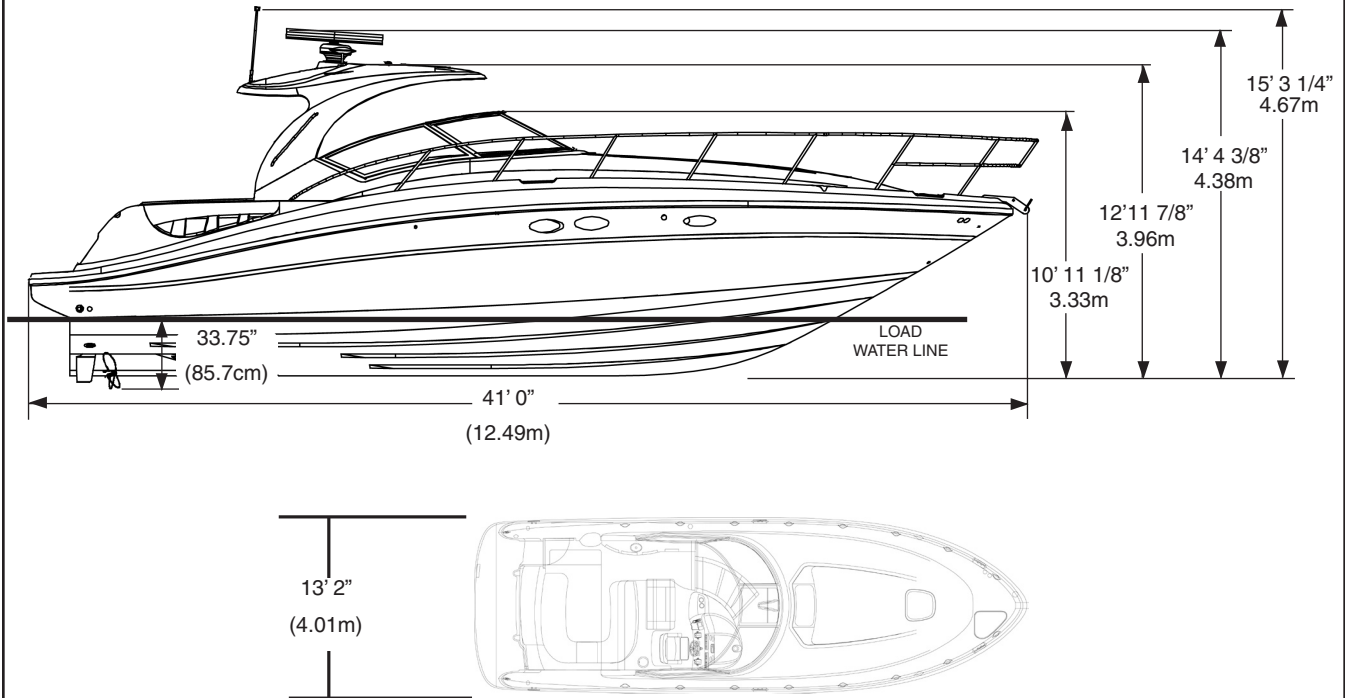




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## 4. BASIC BOAT DIMENSIONS AND CLEARANCES

BOAT DIMENSIONS AND CLEARANCES  
(FIG. 5.1)



**Dimensions:**

Overall Length		
w/swim platform -----	41' 0"	12.49m
Beam-----	13' 2"	4.01m
Draft -----	33.75"	85.7cm
Dry Weight (lbs.) -----	19,260	8,736kg
Fuel Capacity (gal.) -----	275	1,041 (liters)
Water Capacity (gal.) -----	70	265 (liters)
Holding Tank (gal.)-----	42	159 (liters)
Dead Rise-----	19°	19°

**Height Dimensions:**

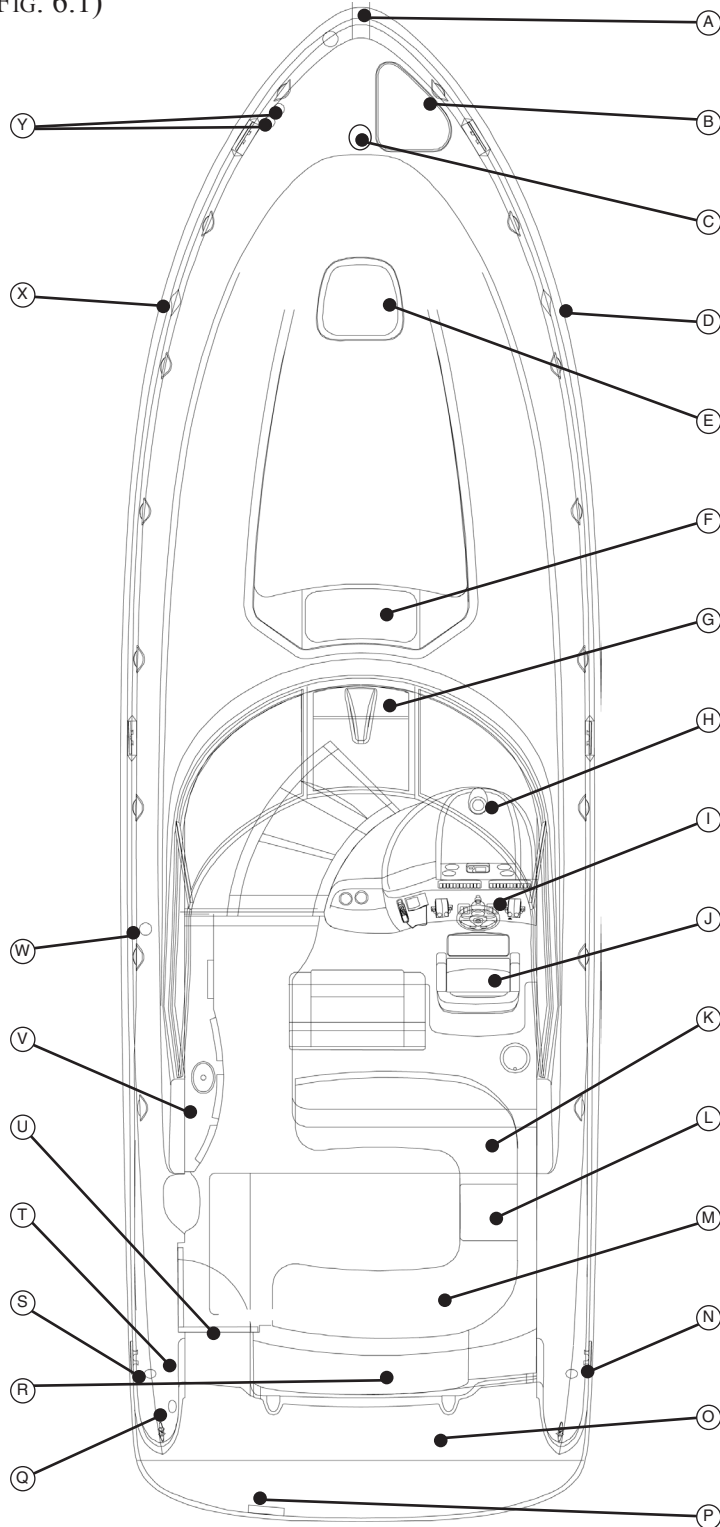
Keel to top of mast light -----	15' 3 1/4"	4.67m
Keel to top of radar -----	14' 4 3/8"	4.38m
Keel to top of spoiler -----	12' 11 7/8"	3.96m
Keel to top of windshield ----	10' 11 1/8"	3.33m



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## 5. DECK LAYOUT

GENERAL DECK LAYOUT  
(FIG. 6.1)



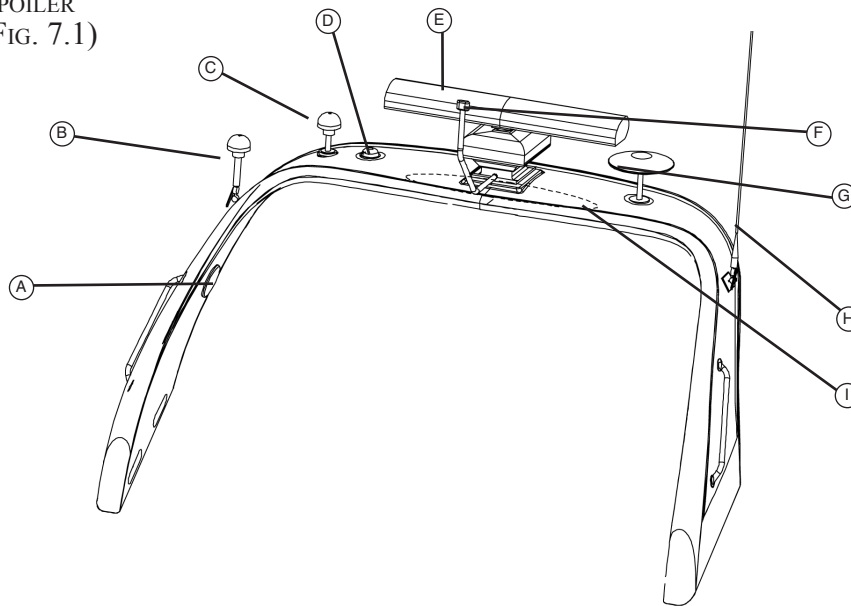
- (A) ANCHOR/ANCHOR CHUTE
- (B) BOW STORAGE LOCKER
- (C) WINDLASS
- (D) STARBOARD NAV LIGHT
- (E) DECK HATCH
- (F) SALON SKYLIGHT
- (G) ELECTRICALLY ACTUATED WINDSHIELD VENT
- (H) COMPASS
- (I) CONTROL STATION
- (J) CAPTAIN'S CHAIR WITH THIGH RISE
- (K) FORWARD COCKPIT SEATING
- (L) REMOVABLE CUSHION STEP
- (M) AFT COCKPIT SEATING
- (N) STARBOARD FUEL FILL
- (O) SWIM PLATFORM
- (P) SWIM LADDER (PULL OUT)
- (Q) WASTE DOCKSIDE PUMP-OUT
- (R) TRANSOM STORAGE LOCKER
- (S) PORT FUEL FILL
- (T) COCKPIT SHOWER
- (U) TRANSOM DOOR
- (V) COCKPIT WET BAR
- (W) FRESH WATER FILL
- (X) PORT NAV LIGHT
- (Y) WINDLASS FOOT SWITCHES



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## 6. SPOILER

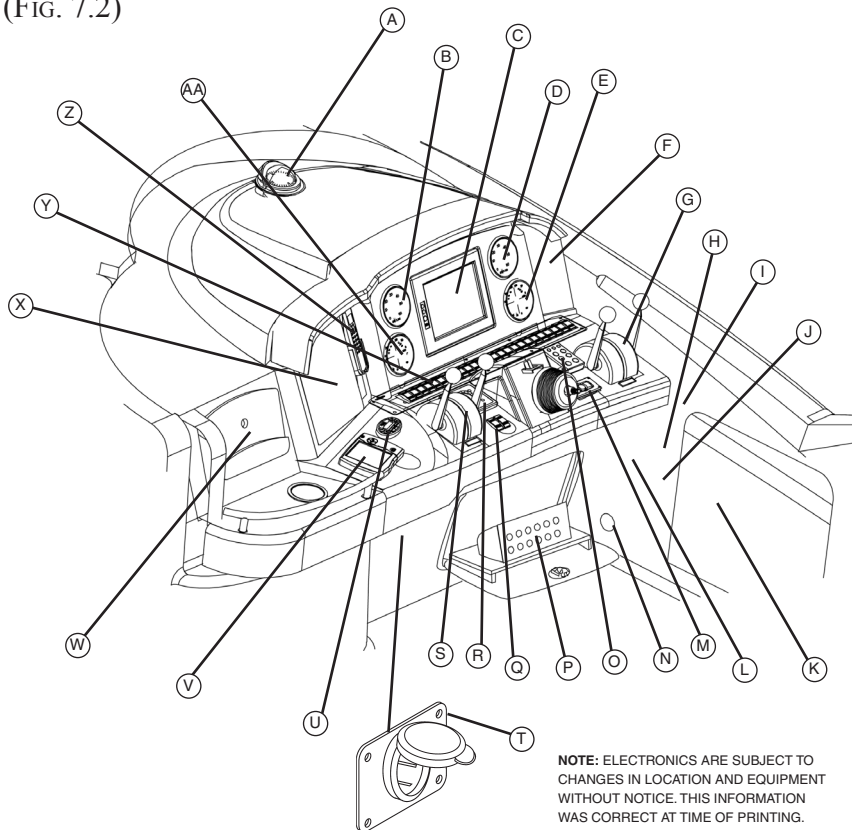
SPOILER  
(FIG. 7.1)



- (A) STEREO SPEAKER
- (B) RADAR W/RAYCHART GPS ANTENNA (OPTIONAL)
- (C) SEA RAY NAVIGATOR GPS ANTENNA (OPTIONAL)
- (D) SATELLITE STEREO ANTENNA (OPTIONAL)
- (E) RADAR
- (F) MAST LIGHT
- (G) TV ANTENNA
- (H) VHF ANTENNA
- (I) ACCESS PANEL (BOTTOM)

## 7. CONTROL STATION GAUGE AND SWITCH LAYOUT

CONTROL STATION  
(FIG. 7.2)



- (A) MAGNETIC COMPASS
- (B) PORT ENGINE TACHOMETER
- (C) SEA RAY NAVIGATOR (OPTIONAL)
- (D) STARBOARD ENGINE TACHOMETER
- (E) STARBOARD ENGINE MULTI-GAUGE
- (F) FIRE EXTINGUISHER INDICATOR
- (G) THROTTLES
- (H) SYSTEMS MONITOR
- (I) VHF RADIO SPEAKER
- (J) CERTIFICATION PLATE
- (K) STORAGE INSERT
- (L) MANUAL FIRE EXTINGUISHER PULL
- (M) MOUSE PAD FOR SEA RAY NAVIGATOR
- (N) DECK LIGHT
- (O) AUTOPILOT (OPTIONAL)
- (P) CONTROL STATION BREAKER PANEL
- (Q) TRIM TAB SWITCH
- (R) SPOTLIGHT CONTROL
- (S) SHIFTS
- (T) 12 VOLT RECEPTACLE
- (U) STEREO CONTROL
- (V) SMARTCRAFT™ SYSTEMVIEW
- (W) CONTROL STATION STORAGE
- (X) RADAR (OPTIONAL)
- (Y) SWITCH PANEL
- (Z) VHF RADIO
- (AA) PORT ENGINE MULTI-GAUGE

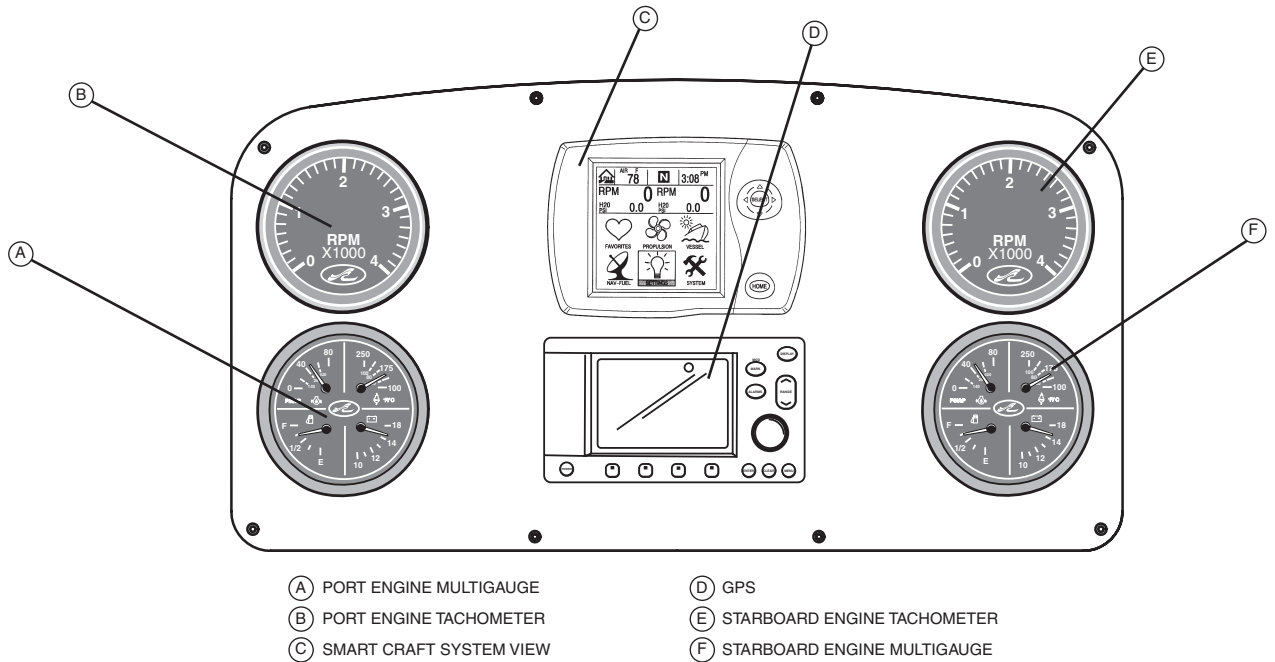
NOTE: ELECTRONICS ARE SUBJECT TO CHANGES IN LOCATION AND EQUIPMENT WITHOUT NOTICE. THIS INFORMATION WAS CORRECT AT TIME OF PRINTING.



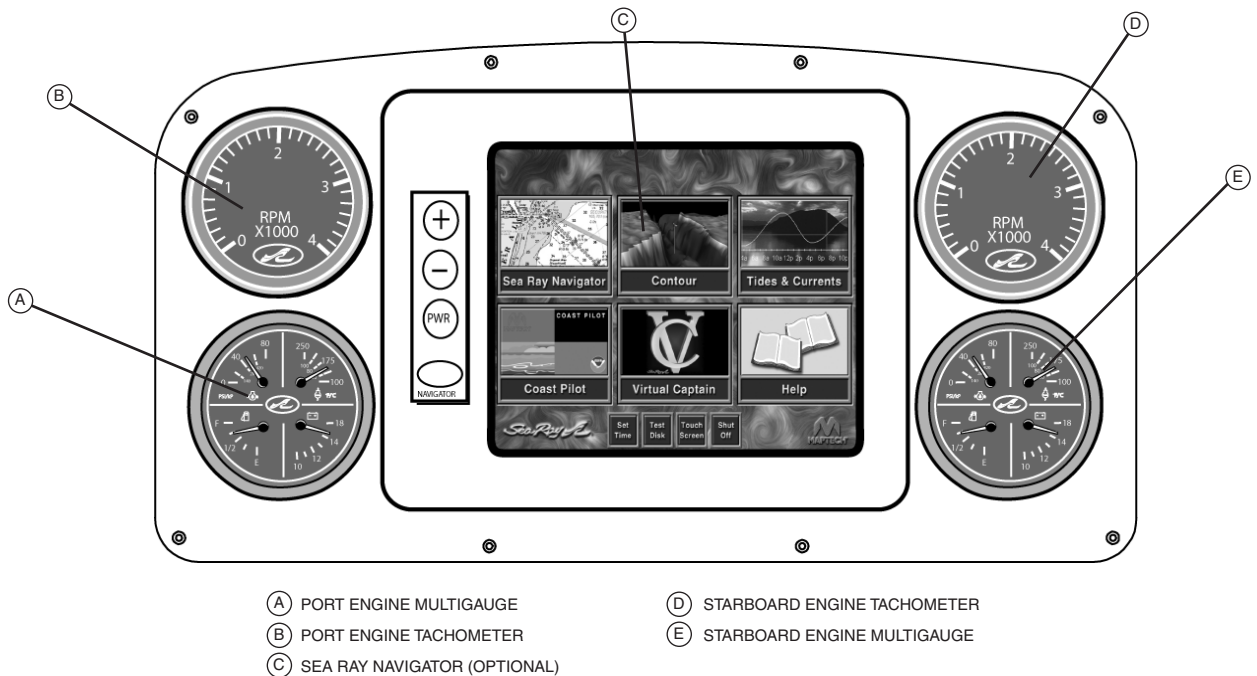
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## CONTROL STATION GAUGE AND SWITCH LAYOUT (CONT'D)

CONTROL STATION GAUGE PANEL WITH SYSTEM VIEW  
(FIG. 8.1)



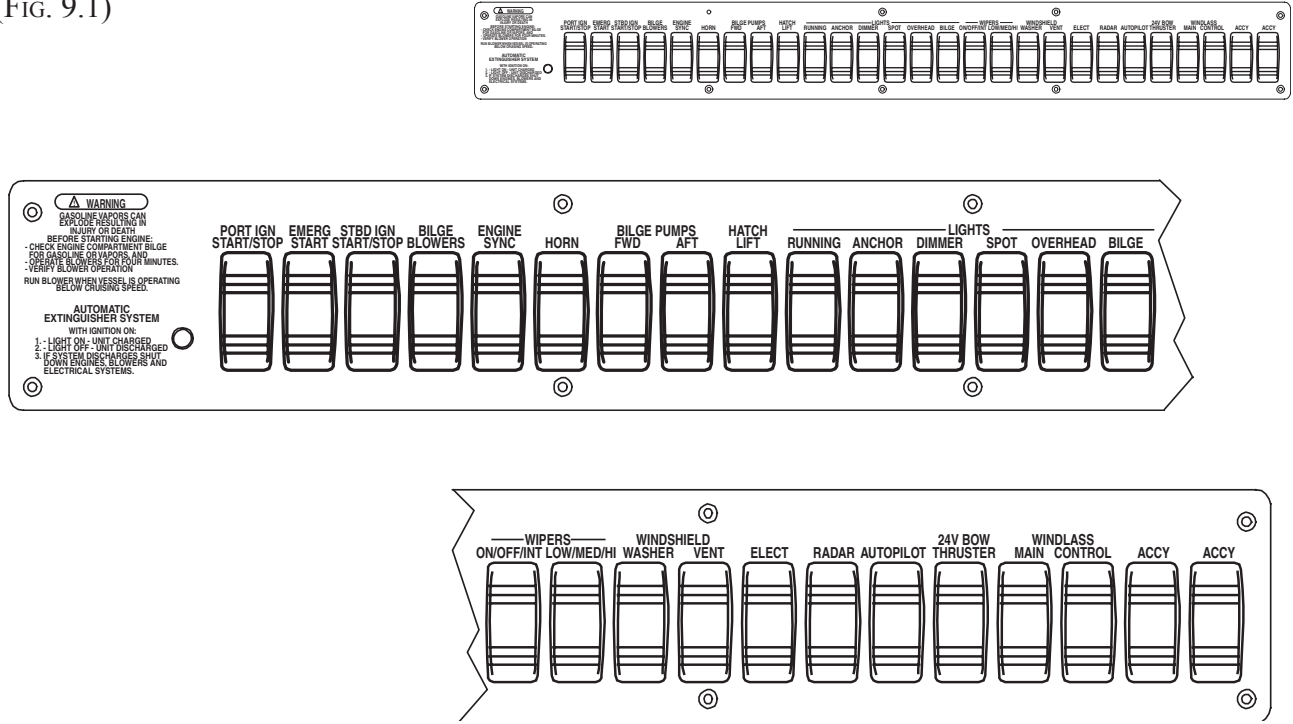
CONTROL STATION GAUGE PANEL WITH SEA RAY NAVIGATOR (OPTIONAL)  
(FIG. 8.2)



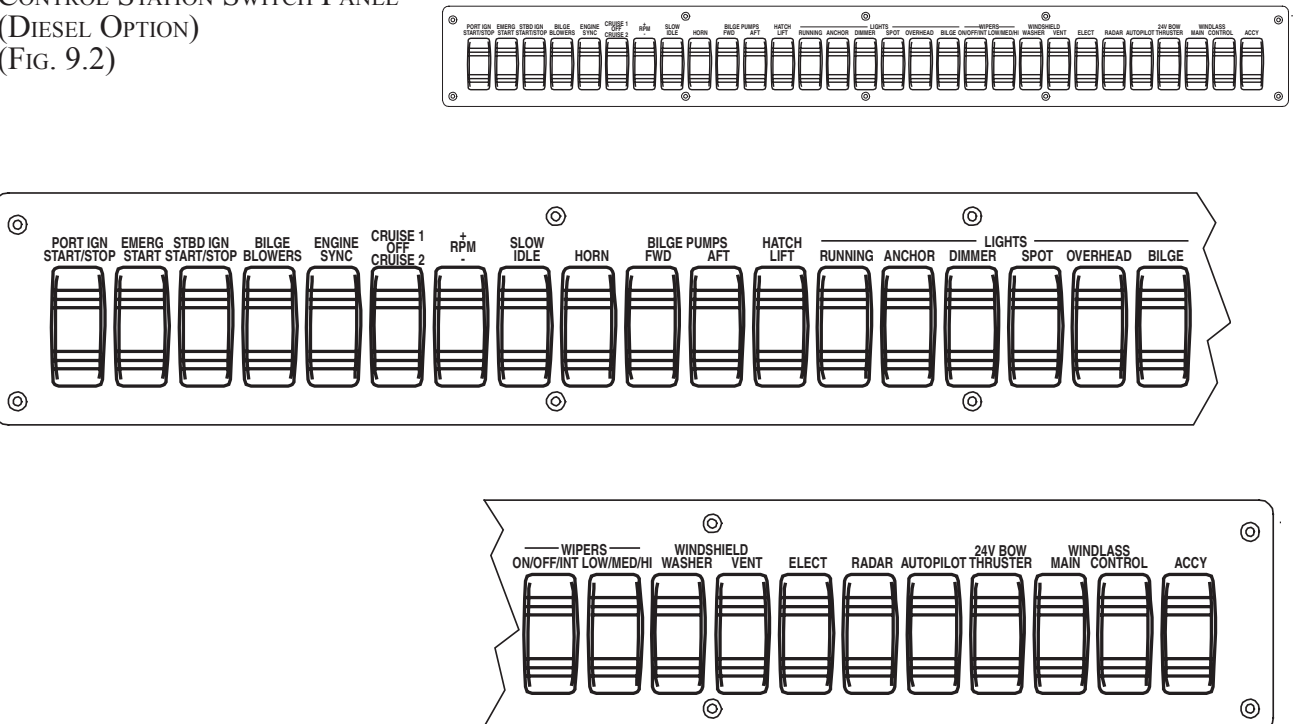
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## CONTROL STATION GAUGE AND SWITCH LAYOUT (CONT'D)

CONTROL STATION SWITCH PANEL (GAS)  
(FIG. 9.1)



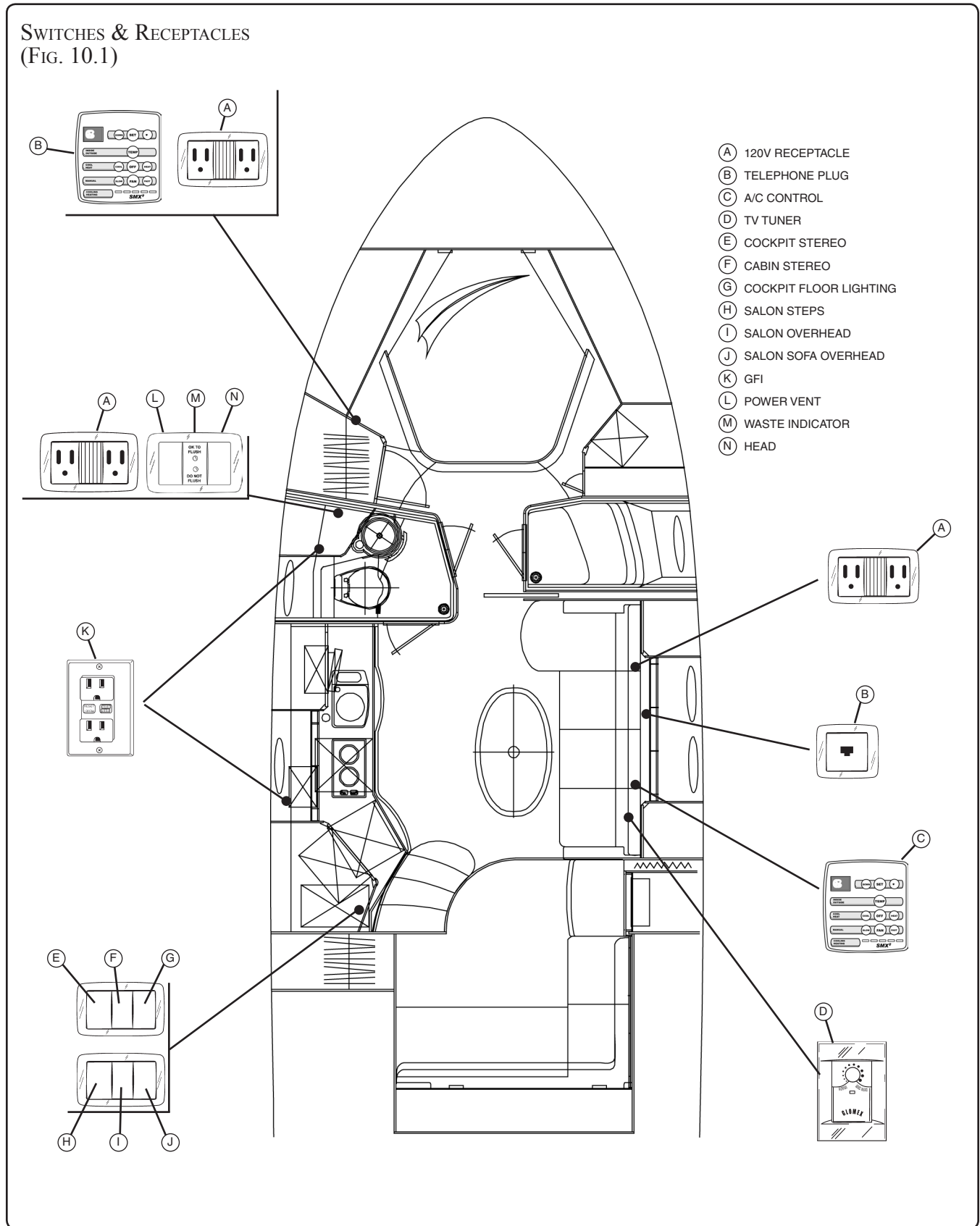
CONTROL STATION SWITCH PANEL  
(DIESEL OPTION)  
(FIG. 9.2)



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## 8. SWITCH AND RECEPTACLE LAYOUT

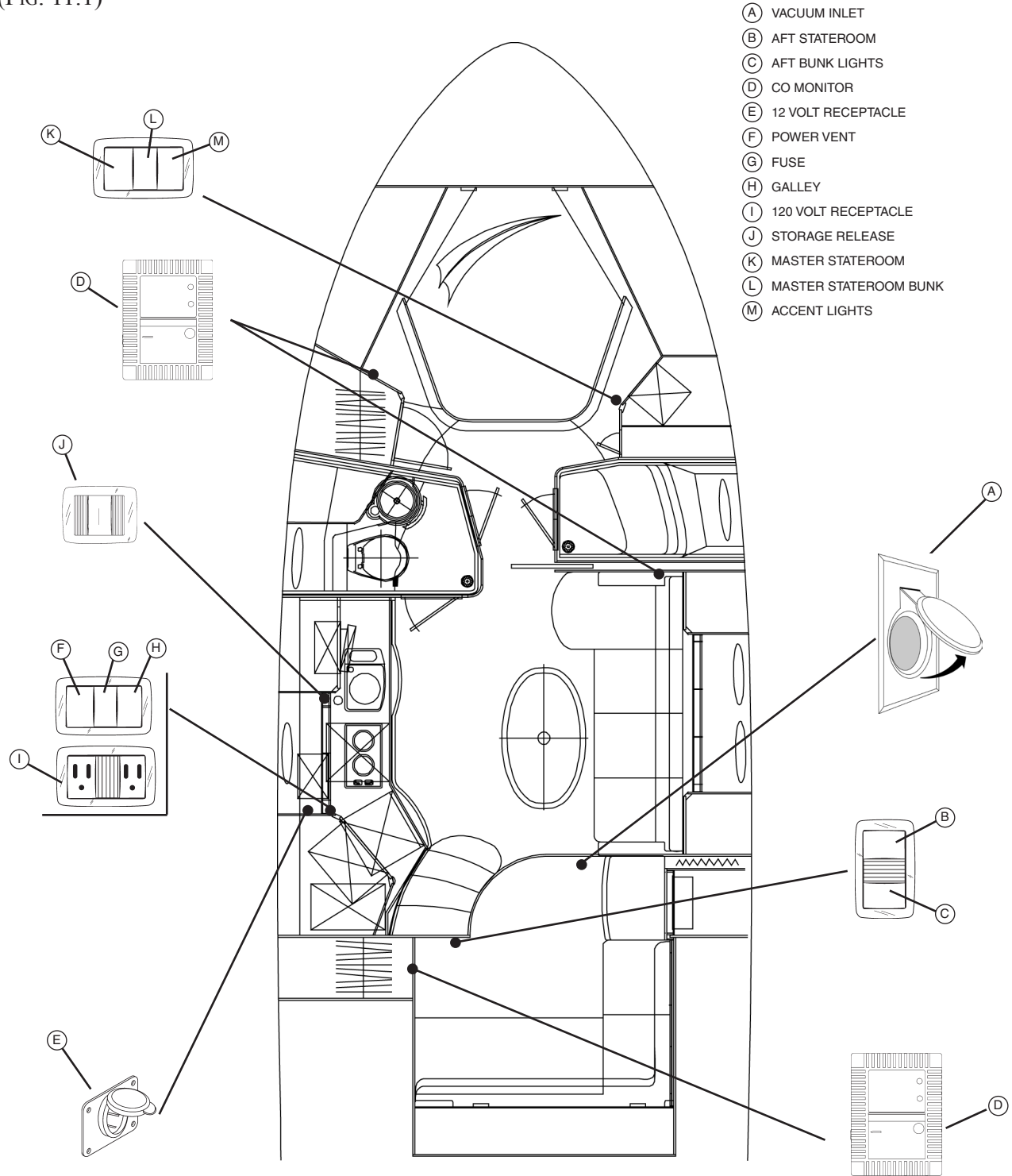
SWITCHES & RECEPTACLES  
(FIG. 10.1)



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## SWITCH AND RECEPTACLE LAYOUT

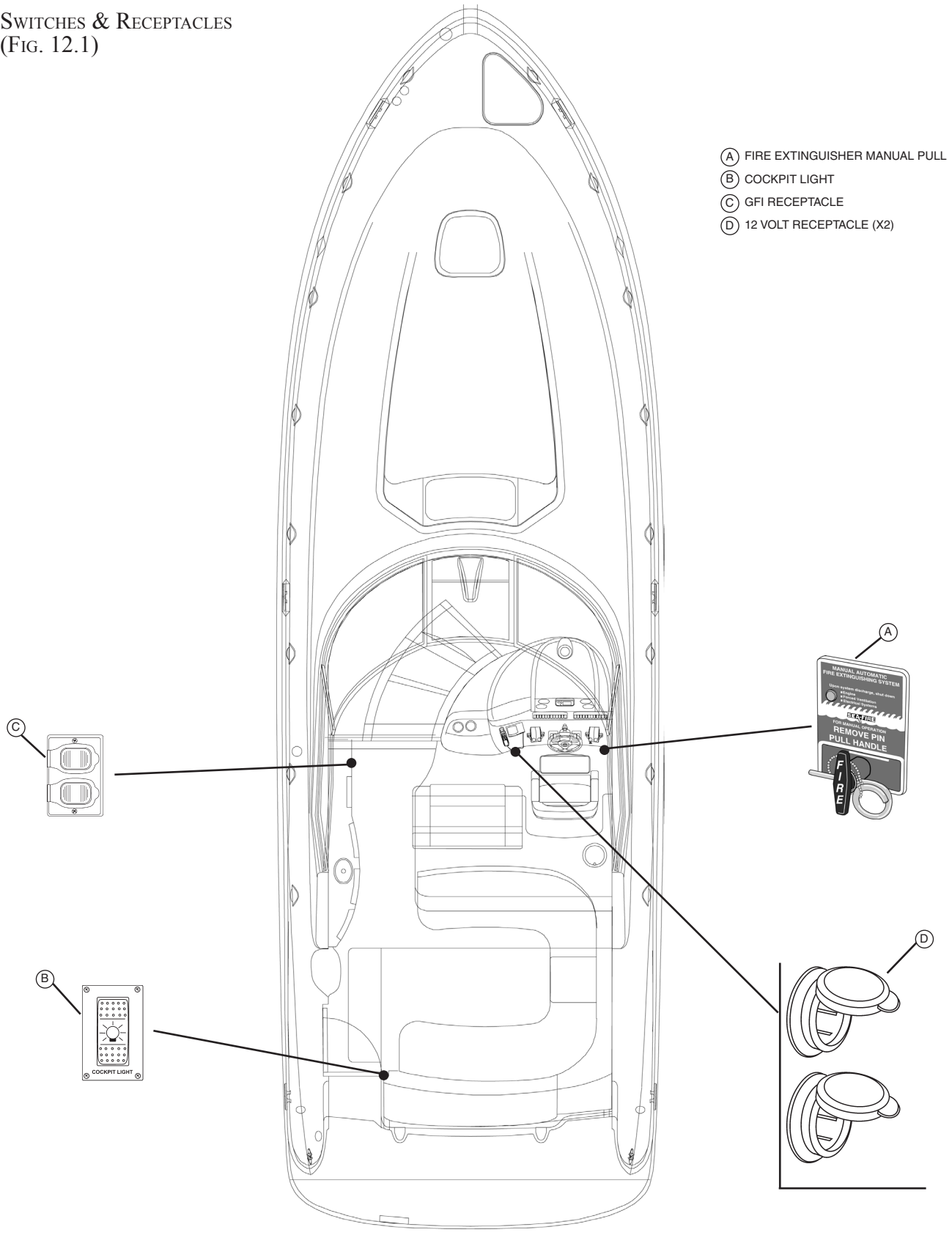
SWITCHES & RECEPTACLES  
(FIG. 11.1)



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## SWITCH AND RECEPTACLE LAYOUT (COCKPIT & CONTROL STATION)

SWITCHES & RECEPTACLES  
(FIG. 12.1)

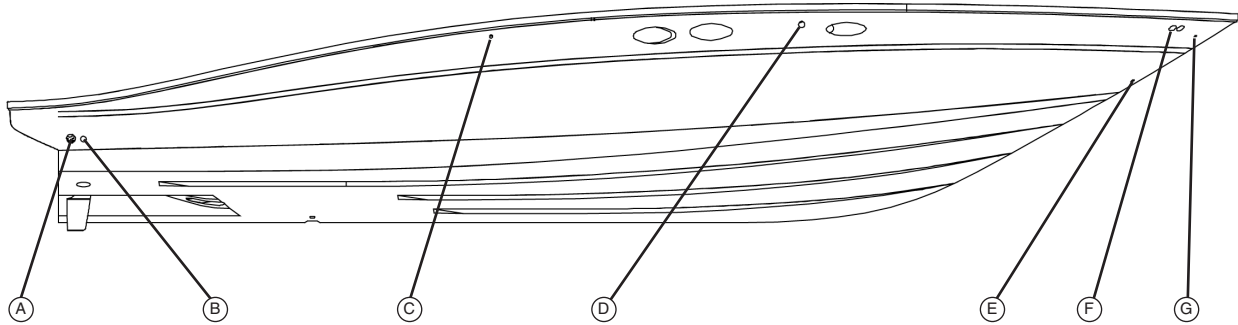




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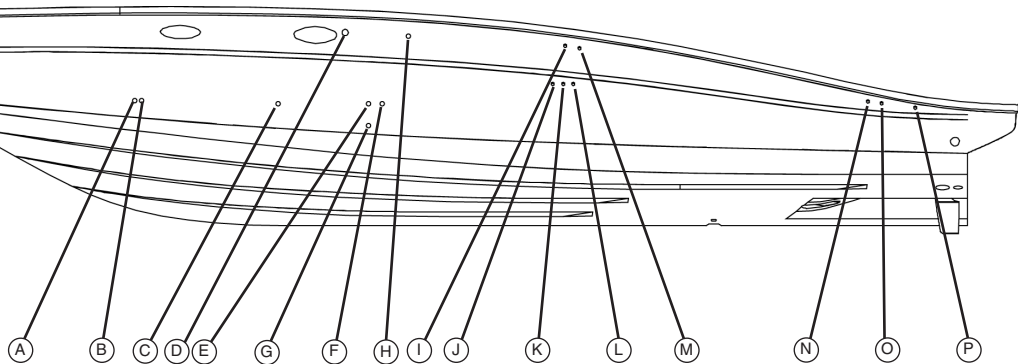
## 9. FUNCTION AND LOCATION OF THROUGH-HULL FITTINGS AND CUTOUTS

STARBOARD THROUGH-HULL FITTINGS  
(FIG. 13.1)



- |                                    |                                 |
|------------------------------------|---------------------------------|
| (A) STARBOARD ENGINE EXHAUST       | (E) STARBOARD ROPE LOCKER DRAIN |
| (B) STARBOARD GENERATOR EXHAUST    | (F) HORN                        |
| (C) STARBOARD FUEL TANK VENT       | (G) ROPE LOCKER HATCH           |
| (D) CENTRAL VACUUM VENT (OPTIONAL) |                                 |

PORT THROUGH-HULL FITTINGS  
(FIG. 13.2)



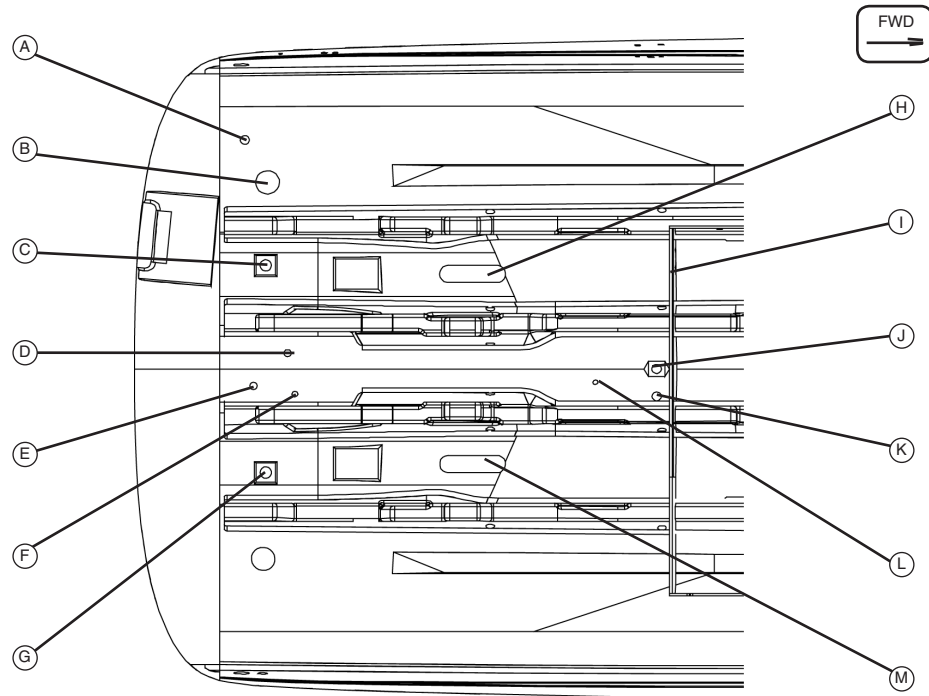
- |                       |                                  |                        |                         |
|-----------------------|----------------------------------|------------------------|-------------------------|
| (A) VANITY SINK       | (E) CABIN BILGE PUMP             | (I) WATER TANK VENT    | (M) PORT FUEL TANK VENT |
| (B) FWD STATEROOM A/C | (F) SHOWER SUMP                  | (J) FWD BILGE PUMP     | (N) BILGE PUMP          |
| (C) GALLEY SINK       | (G) SALON A/C                    | (K) WATER HEATER VENT  | (O) HIGH WATER PUMP     |
| (D) POWER VENT        | (H) MANUAL BILGE PUMP (OPTIONAL) | (L) COCKPIT SINK DRAIN | (P) HOLDING TANK VENT   |



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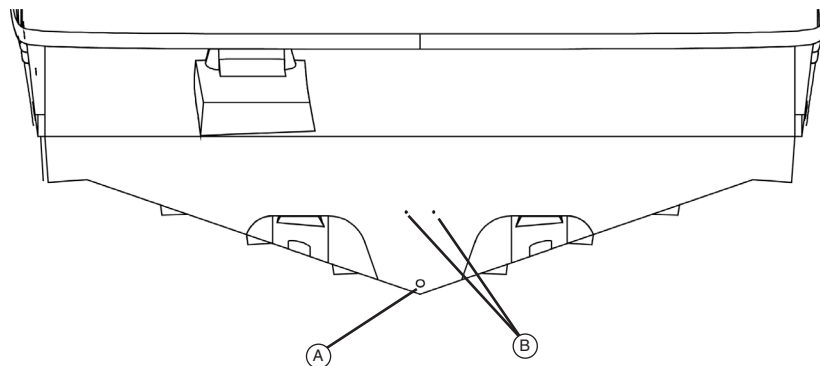
## FUNCTION AND LOCATION OF THROUGH-HULL FITTINGS AND CUTOUTS

**BILGE THROUGH-HULL FITTINGS**  
(FIG. 14.1)



- |                             |                           |                         |
|-----------------------------|---------------------------|-------------------------|
| (A) WASTE DISCHARGE         | (F) GENERATOR PICKUP      | (K) TRIDATA TRANSDUCER  |
| (B) PORT ENGINE EXHAUST     | (G) STARBOARD RUDDER POST | (L) A/C PICKUP          |
| (C) PORT RUDDER POST        | (H) PORT SHAFT LOG        | (M) STARBOARD SHAFT LOG |
| (D) PORT ENGINE PICKUP      | (I) ENGINE ROOM BULKHEAD  |                         |
| (E) STARBOARD ENGINE PICKUP | (J) DEPTH TRANSDUCER      |                         |

**TRANSOM THROUGH-HULL FITTINGS**  
(FIG. 14.2)

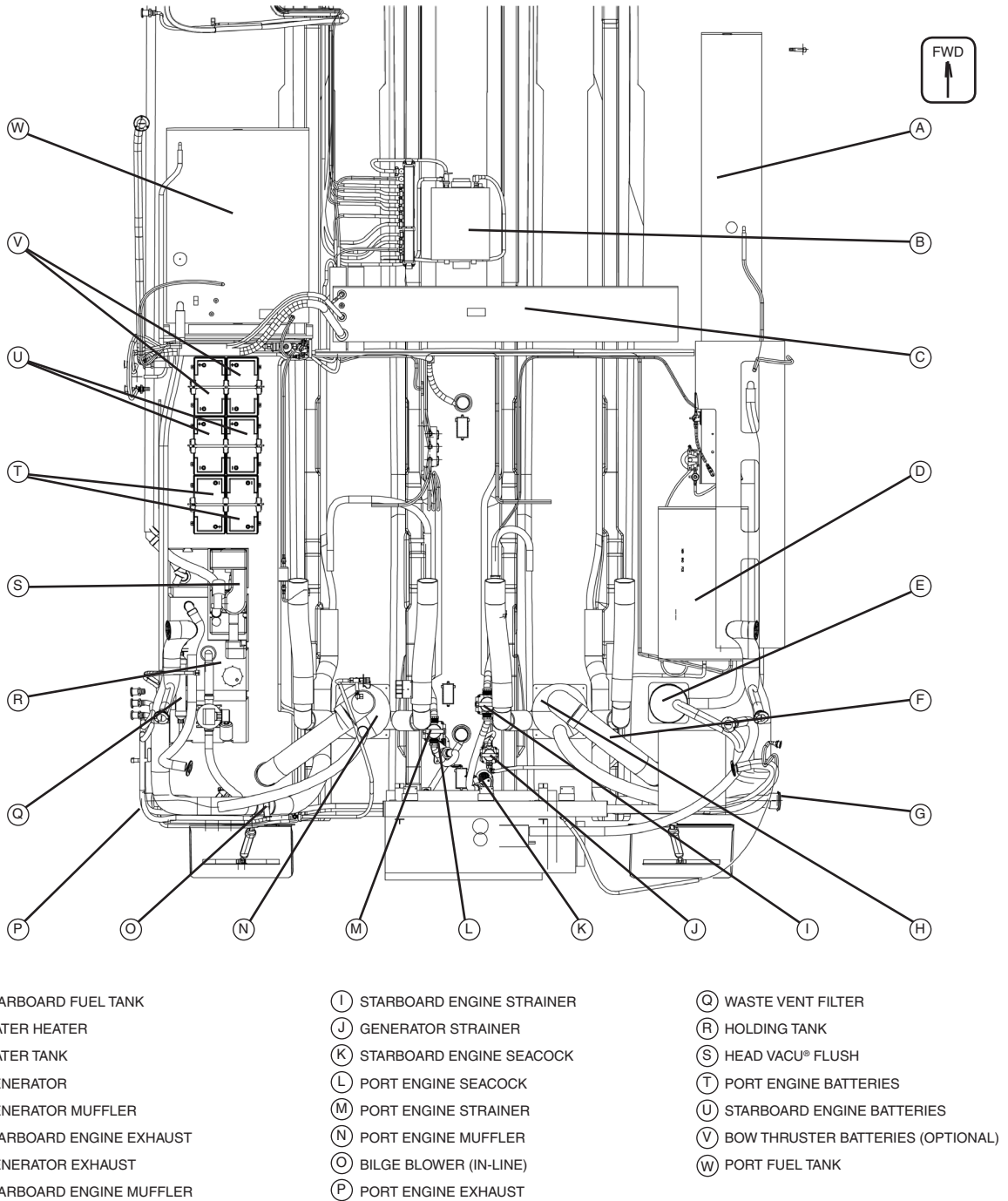


- |                    |
|--------------------|
| (A) GARBOARD DRAIN |
| (B) ZINC PLATE     |

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## 10. BILGE LAYOUT

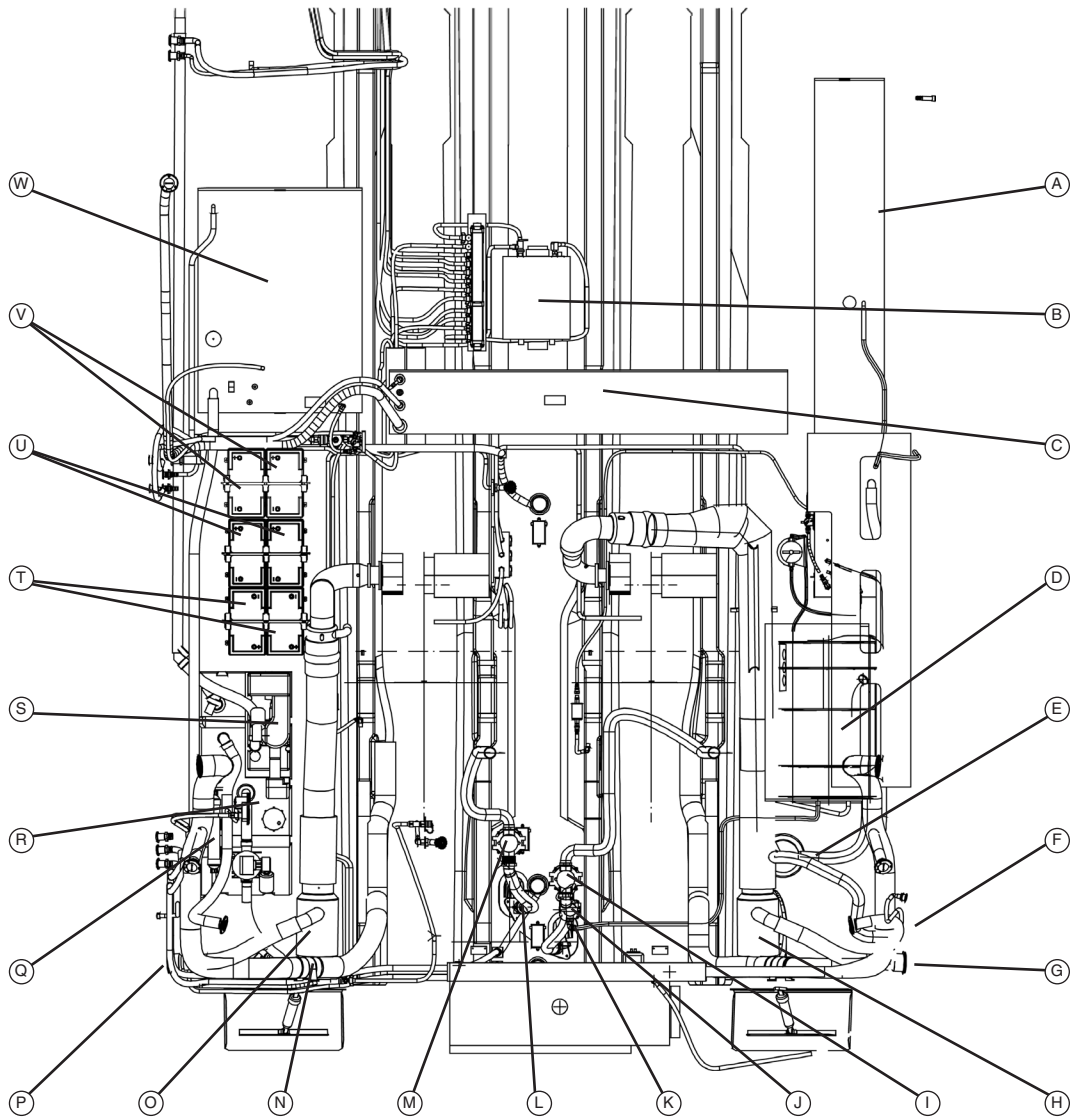
BILGE LAYOUT (GAS)  
(FIG. 15.1)



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## BILGE LAYOUT (CONT'D)

BILGE LAYOUT (DIESEL)  
(FIG. 16.1)



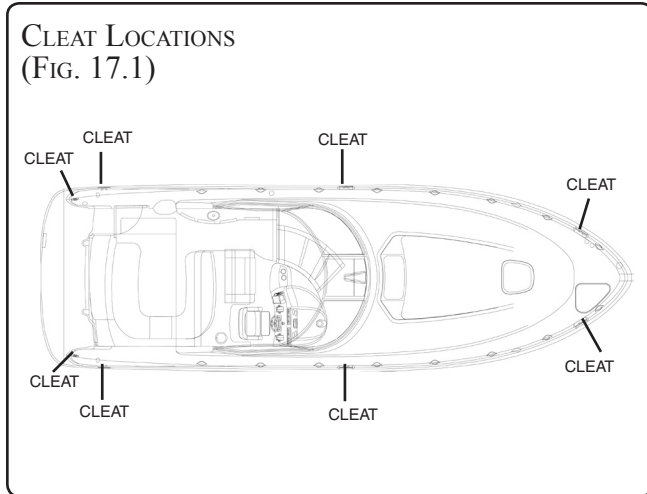
- |                                 |                               |                                       |
|---------------------------------|-------------------------------|---------------------------------------|
| (A) STARBOARD FUEL TANK         | (I) STARBOARD ENGINE STRAINER | (Q) WASTE VENT FILTER                 |
| (B) WATER HEATER                | (J) GENERATOR STRAINER        | (R) HOLDING TANK                      |
| (C) WATER TANK                  | (K) STARBOARD ENGINE SEACOCK  | (S) HEAD VACU® FLUSH                  |
| (D) GENERATOR                   | (L) PORT ENGINE SEACOCK       | (T) PORT ENGINE BATTERIES             |
| (E) GENERATOR MUFFLER           | (M) PORT ENGINE STRAINER      | (U) STARBOARD ENGINE BATTERIES        |
| (F) GENERATOR EXHAUST           | (N) PORT ENGINE STAND PIPE    | (V) BOW THRUSTER BATTERIES (OPTIONAL) |
| (G) STARBOARD ENGINE EXHAUST    | (O) BILGE BLOWER (IN-LINE)    | (W) PORT FUEL TANK                    |
| (H) STARBOARD ENGINE STAND PIPE | (P) PORT ENGINE EXHAUST       |                                       |



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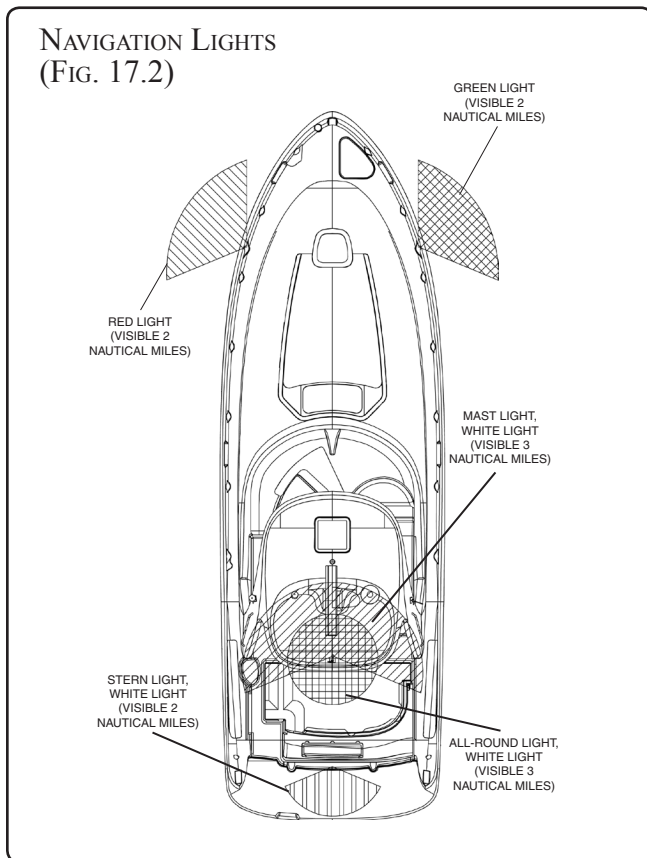
## 11. CLEATS

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



## 12. NAVIGATION AND ANCHOR LIGHTS

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

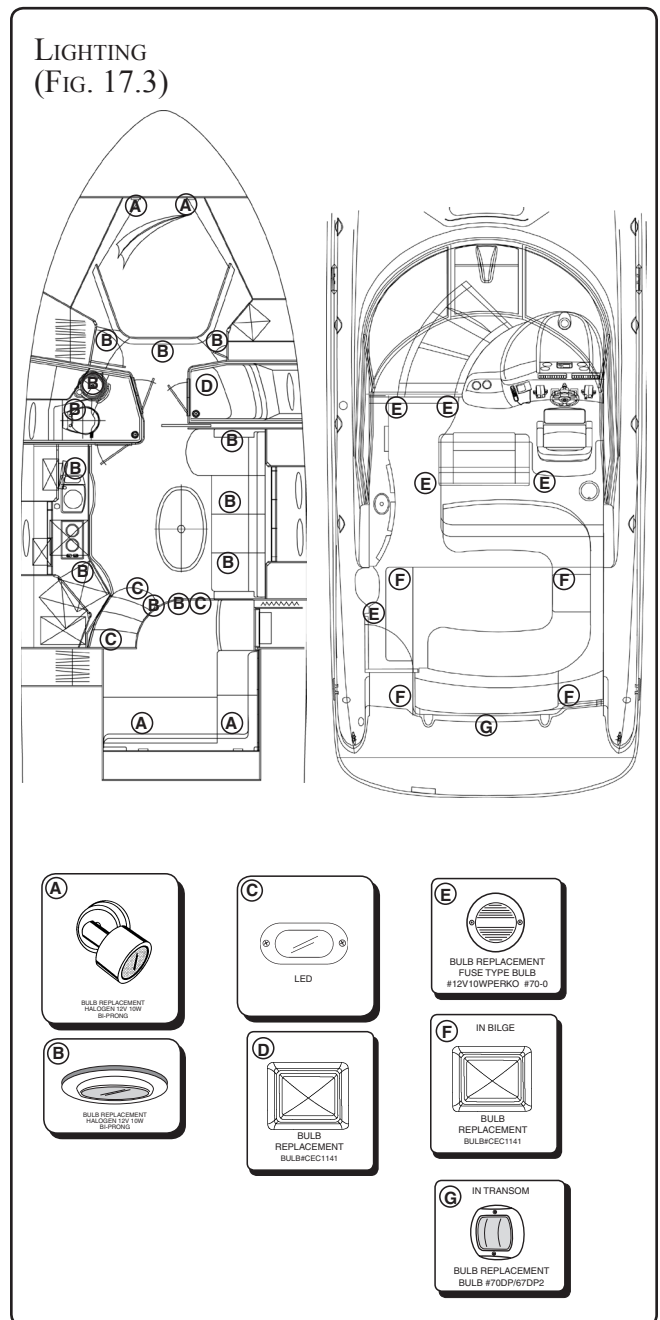


## 13. CONSOLE DIMMER

There is a DIMMER control switch located on the control station switch panel which controls the intensity of the gauge and switch panel lights. The gauge and switch panel lights are energized when the navigation running lights are turned on.

## 14. LIGHTING

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



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## 15. FIRE EXTINGUISHING SYSTEM

Your 40DA has an automatic fire extinguisher system installed standard. Refer to the General Information Manual for a detailed explanation of the automatic fire extinguisher system.

## 16. FUEL SYSTEM

The 40 DA standard gasoline fuel system consists of two (2) aluminum fuel tanks with a capacity of 167.5 gals. (634 liters) each, for a total capacity of 335 gals. (1,268 liters). The port and starboard fuel tanks are connected directly to the respective engines through an electric fuel shut-off valve.

Fuel is supplied to the generator from the starboard fuel tank.

## 17. RECOMMENDED BATTERIES

APPLICATION	GROUP	VOLTS	CCA*	RESERVE	QTY
ENGINES	27	12	600	155	4

\*COLD CRANKING AMPS

BOW THRUSTER	31	12	800	200	2
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## 18. WATER SYSTEM

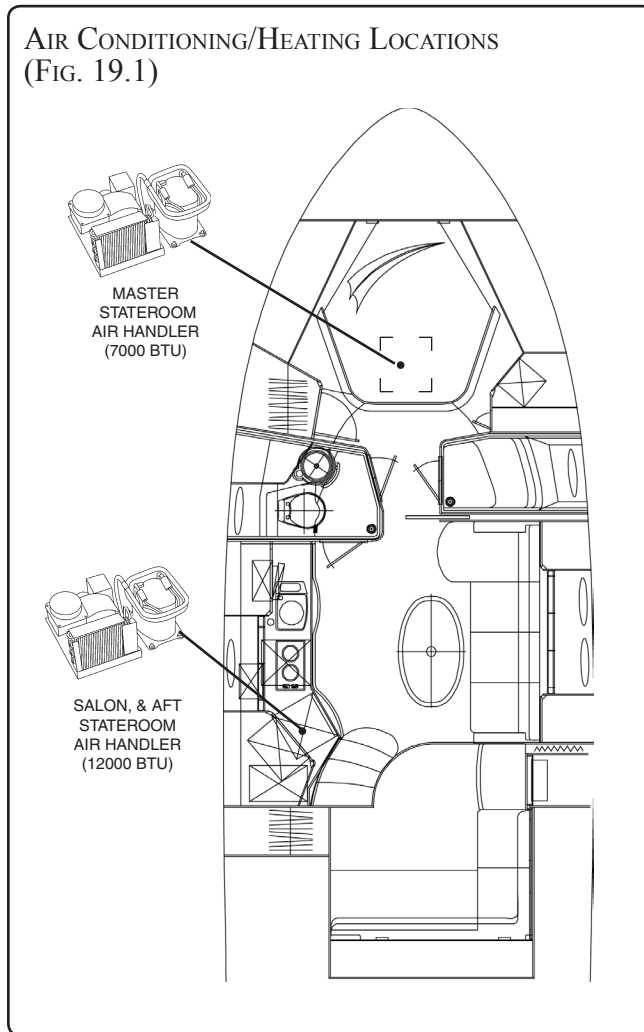
The fresh water system consists of a 100 gallon (378.5 liter) water tank, a 12 volt water pump, water heater and accumulator tank.

## 19. AIR CONDITIONING & HEATING

The 40 DA air conditioning/heating system consists of two (2) standard air conditioning/heating units, a raw water pump with seacock and strainer and a relay unit so the water pump will be activated by demand when any AC unit comes on.

**The master stateroom unit** is a 7,000 BTU unit located under the bunk. The controls for the unit are located on the port hanging closet wall. The removable air filter can be accessed by lifting the hatch under the bottom of the bunk mattress.

**The salon unit** is a 12,000 BTU unit which also services **the Aft Stateroom & Head**. The unit is located on the port side, aft of the sofa under the MDP cabinet. The controls for the unit are located on the aft wall of the port light window ledge above the port sofa. The removable air filter is located on the face of the unit.



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# 40 SUNDANCER OWNERS MANUAL

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## 20. COMMUNICATION SYSTEM

The 40DA is equipped with a land-line telephone connection in the master stateroom and the salon. These phones can be operated when dockside and hooked up to the dockside telephone hookup.

### A. DOCKSIDE TELEPHONE HOOKUP

The dockside telephone hookup is located on the port side inside the transom storage locker. A fifty foot shore cord with waterproof connectors is supplied.

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

## 21. ENTERTAINMENT CENTERS

### A. SALON ENTERTAINMENT CENTER

The salon entertainment center consists of a 15" Flat Screen LCD television with remote, and DVD Player with remote located in the upper cabinet in the galley. A stereo system with CD changer and cockpit digital remote control & selector switch for cockpit entertainment is located above the MDP panels in the aft starboard salon. The CABIN MAIN and CABIN STEREO MEMORY breakers on the Main DC Breaker Panel must be ON to operate the systems as well as the Cabin Stereo switch located at the salon steps.

### B. OPTIONAL MASTER STATEROOM ENTERTAINMENT

The master stateroom entertainment center consists of a 15" Flat Screen LCD television with remote DVD player.

### C. COCKPIT ENTERTAINMENT

The cockpit entertainment consists of a set of speakers connected to the salon stereo system. The speakers can be activated by a switch located at the salon steps and controlled by the remote stereo control at the control station.

### D. DOCKSIDE TELEVISION HOOKUP

For television reception dockside, attach the

dockside television cable to the inlet located in the starboard transom.

The antenna/cable selector panel is located in the aft cabinet of the salon above the port sofa. Turn the selector to MAX GAIN for onboard TV antenna reception. Turn the selector to SHORE for dockside cable reception.

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

## 22. CONVERTIBLE SOFAS

The sofas in both the salon and aft stateroom areas can be converted into bedding to accommodate additional overnight guests. Remove the lower back cushion and pull the sofa seat out toward the salon until fully extended. Replace the back cushion.

## 23. PRIVACY CURTAIN

A privacy curtain which is located on the starboard side just forward of the Main Distribution Panel can be pulled across the entrance of the Guest Stateroom to provide privacy for the occupants.

## 24. 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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# 40 SUNDANCER OWNERS MANUAL

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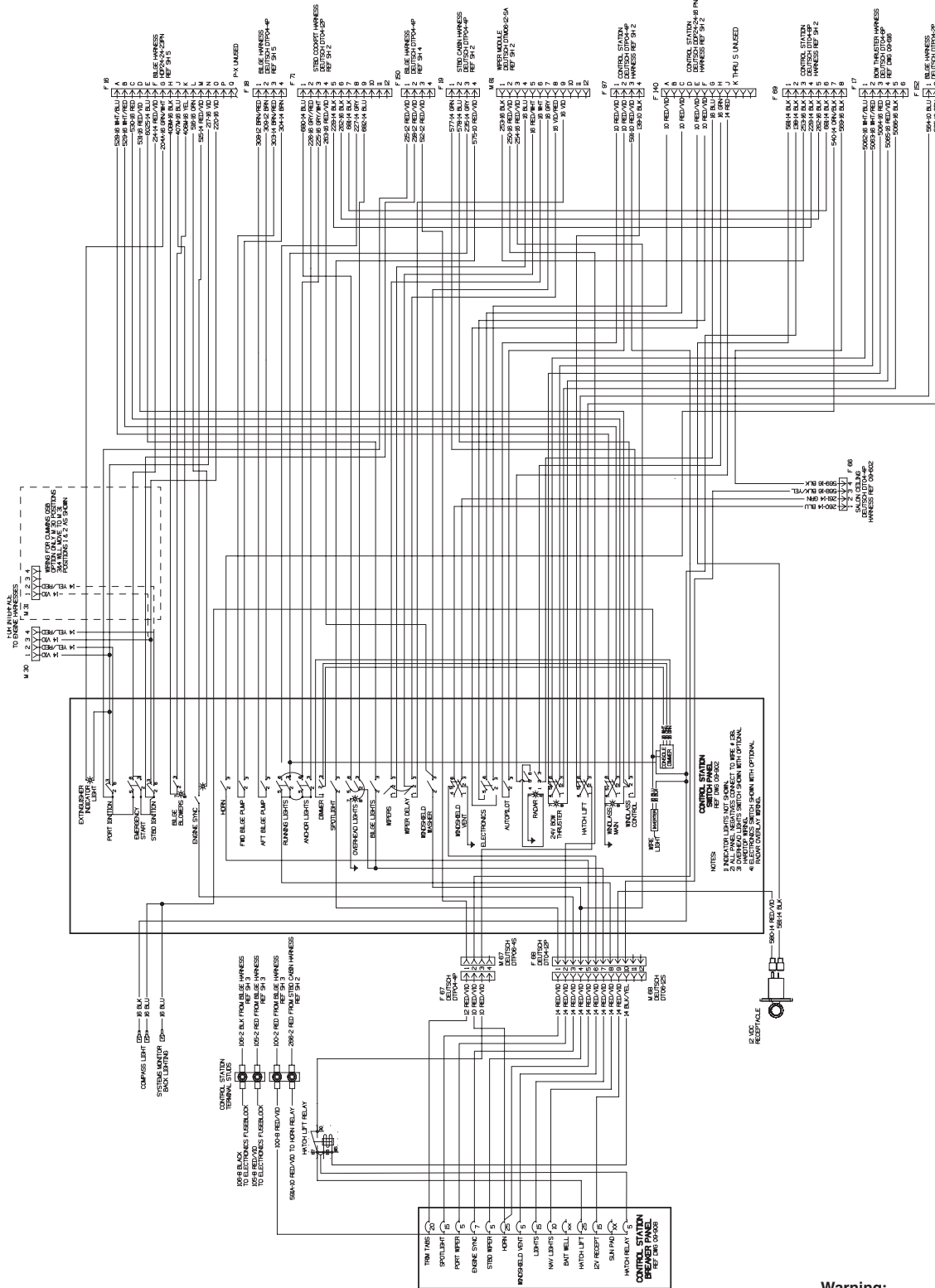
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# 40 SUNDANCER OWNERS MANUAL

DC WIRING SCHEMATIC  
(FIG. 21.1)



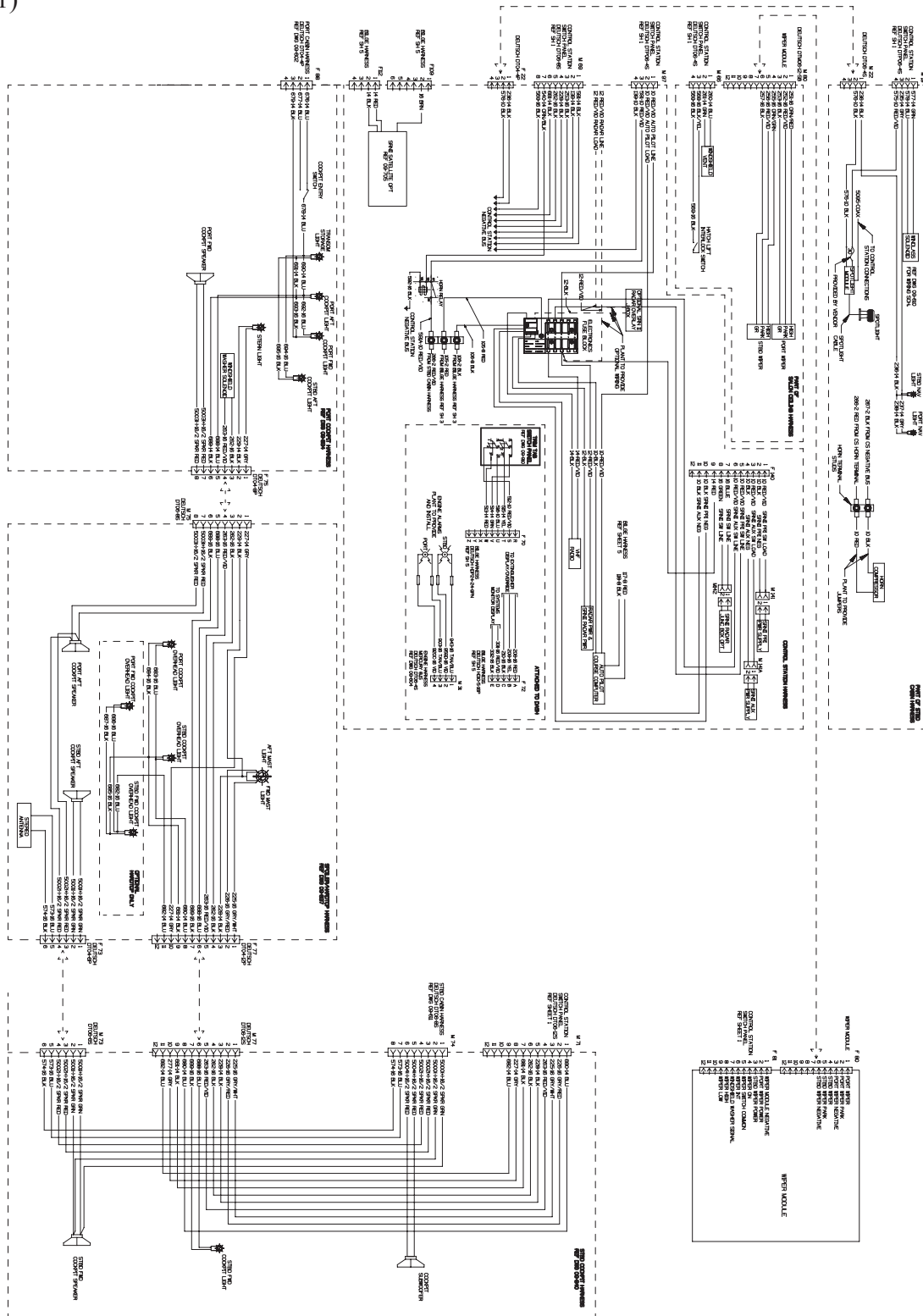
Drawing No. 09-601 (1 Of 5)

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



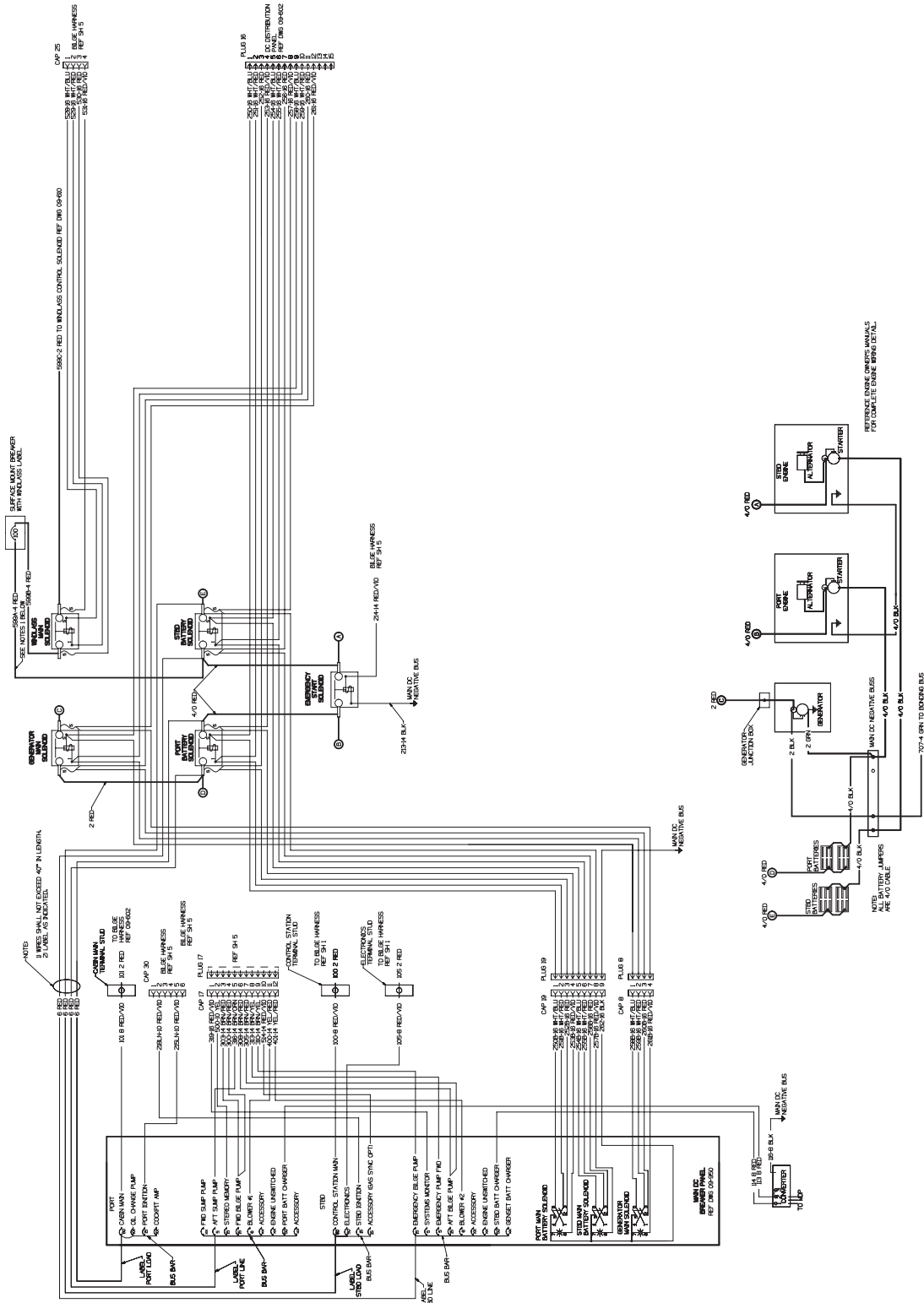
# 40 SUNDANCER OWNERS MANUAL

DC WIRING SCHEMATIC  
(FIG. 22.1)



# 40 SUNDANCER OWNERS MANUAL

DC WIRING SCHEMATIC  
(FIG. 23.1)



Drawing No. 09-601 (3 of 5)

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

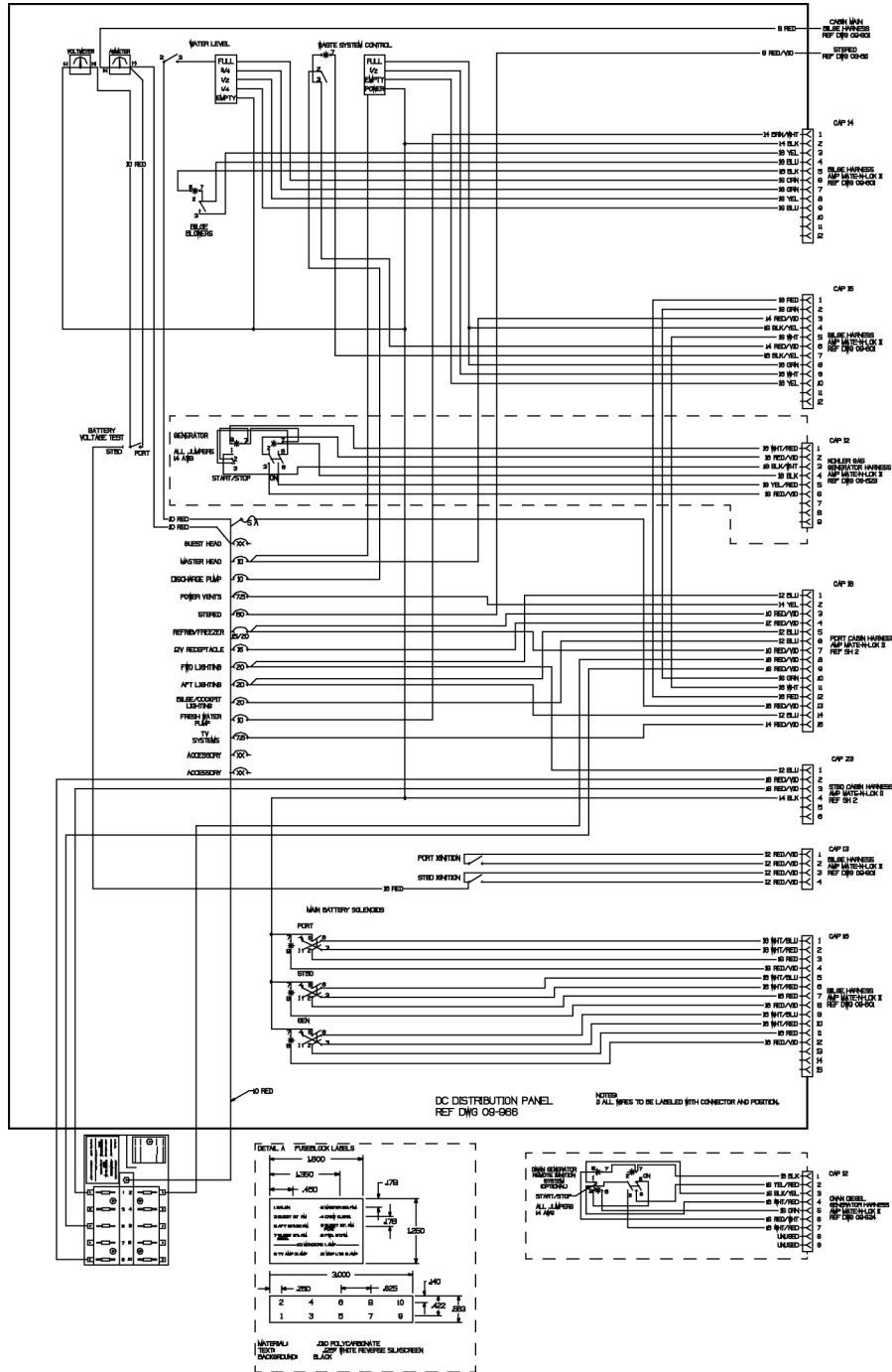






# 40 SUNDANCER OWNERS MANUAL

CABIN DC WIRING SCHEMATIC  
(FIG. 26.1)



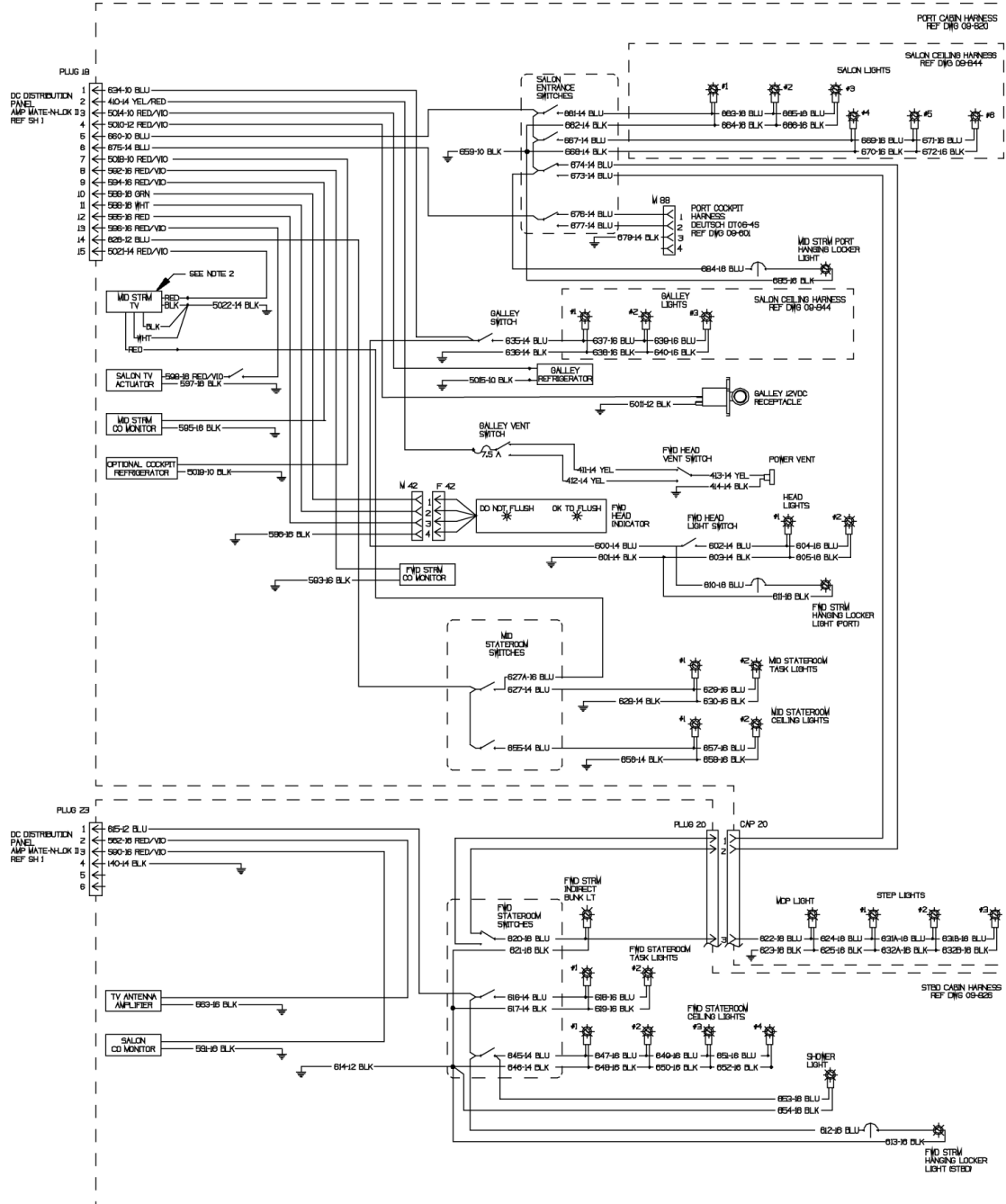
Drawing No. 09-602 (1 Of 2)

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



# 40 SUNDANCER OWNERS MANUAL

CABIN DC WIRING SCHEMATIC  
(FIG. 27.1)



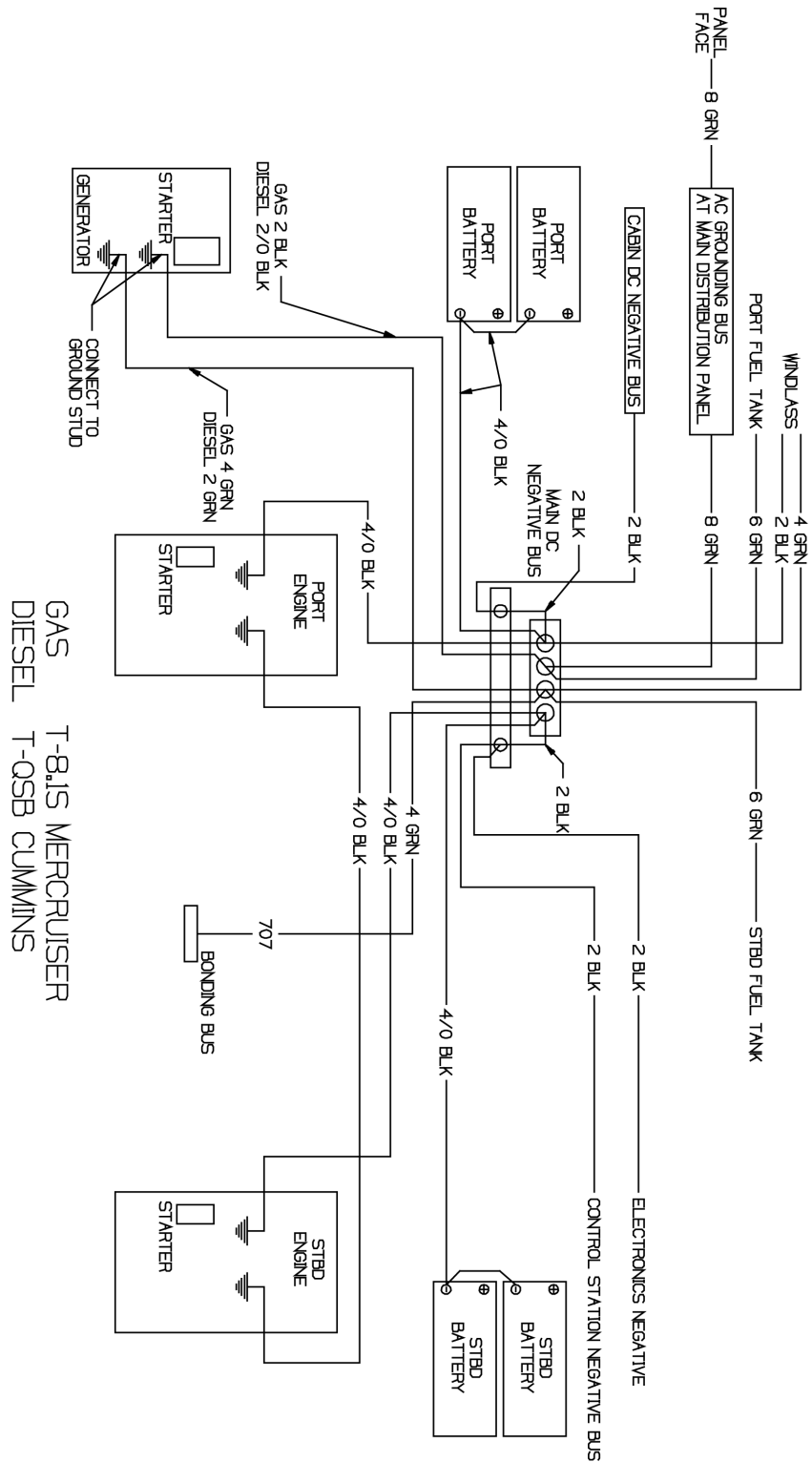
Drawing No. 09-602 (2 Of 2)

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



# 40 SUNDANCER OWNERS MANUAL

MAIN NEGATIVES, GROUNDING, AND BONDING SCHEMATIC  
(FIG. 28.1)



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

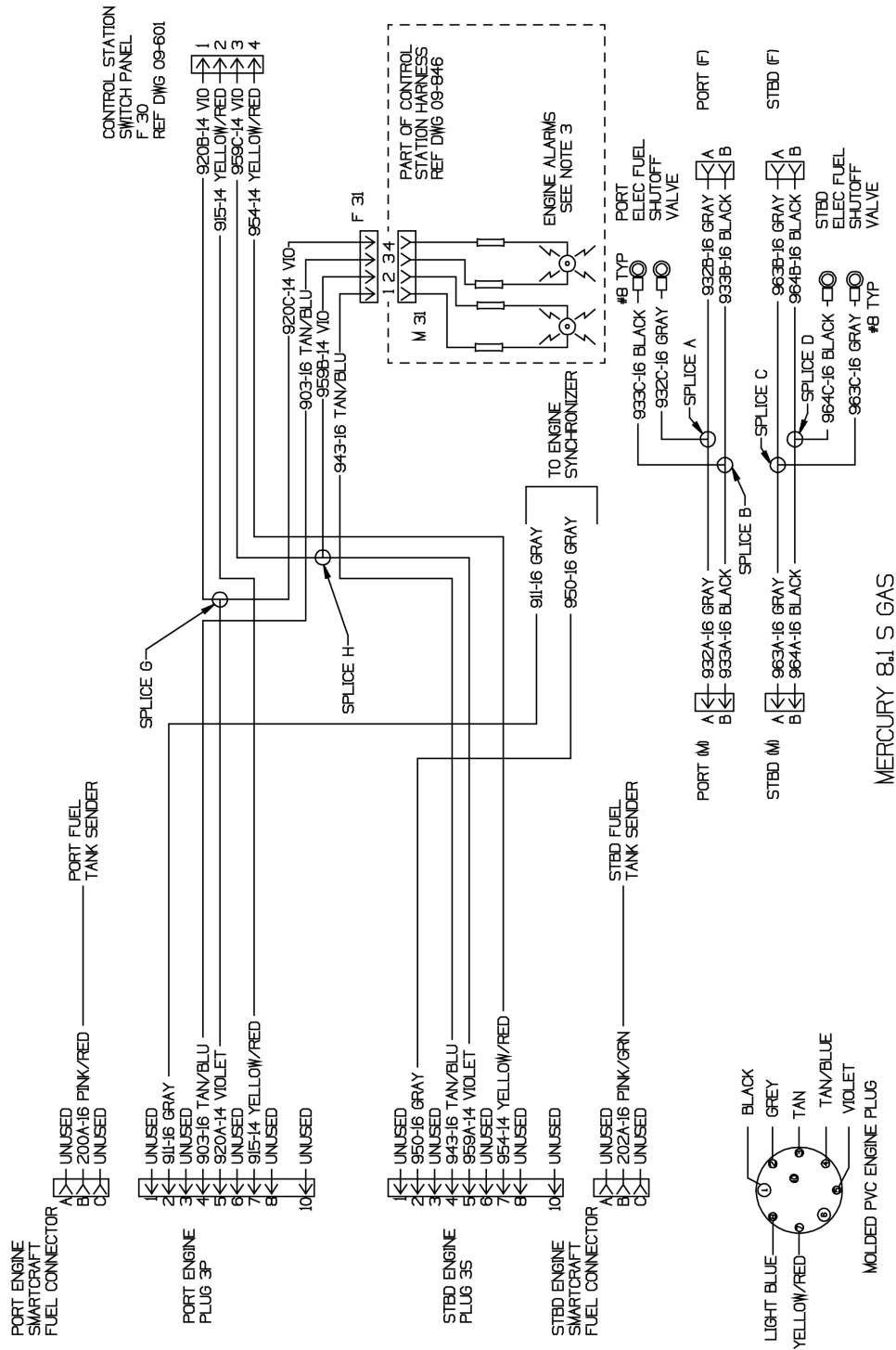
Drawing No. 09-603





# 40 SUNDANCER OWNERS MANUAL

ENGINE HARNESS SCHEMATIC  
(FIG. 29.1)



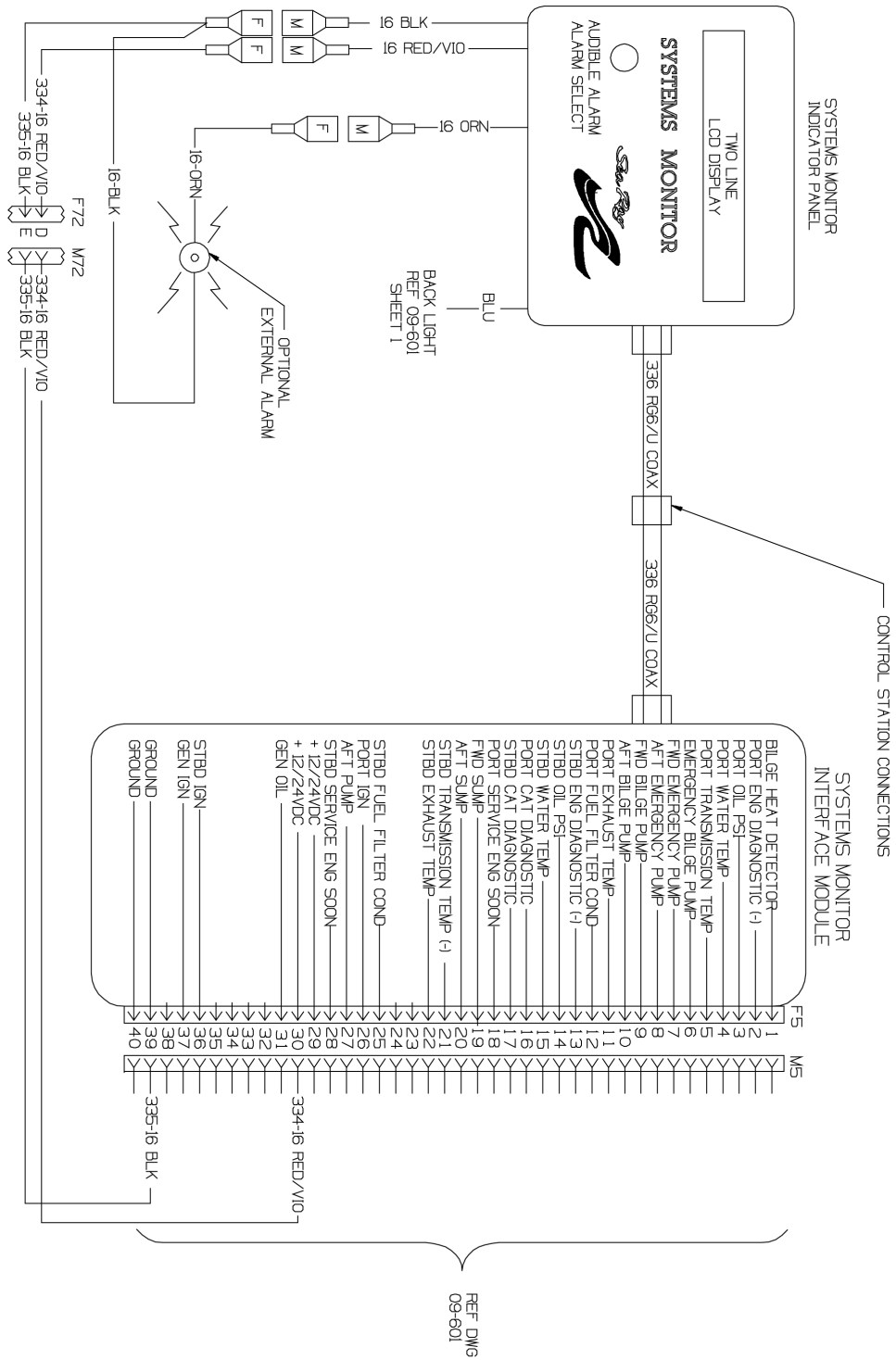
**Warning:**

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



# 40 SUNDANCER OWNERS MANUAL

SYSTEMS MONITOR WIRING DIAGRAM  
(FIG. 30.1)



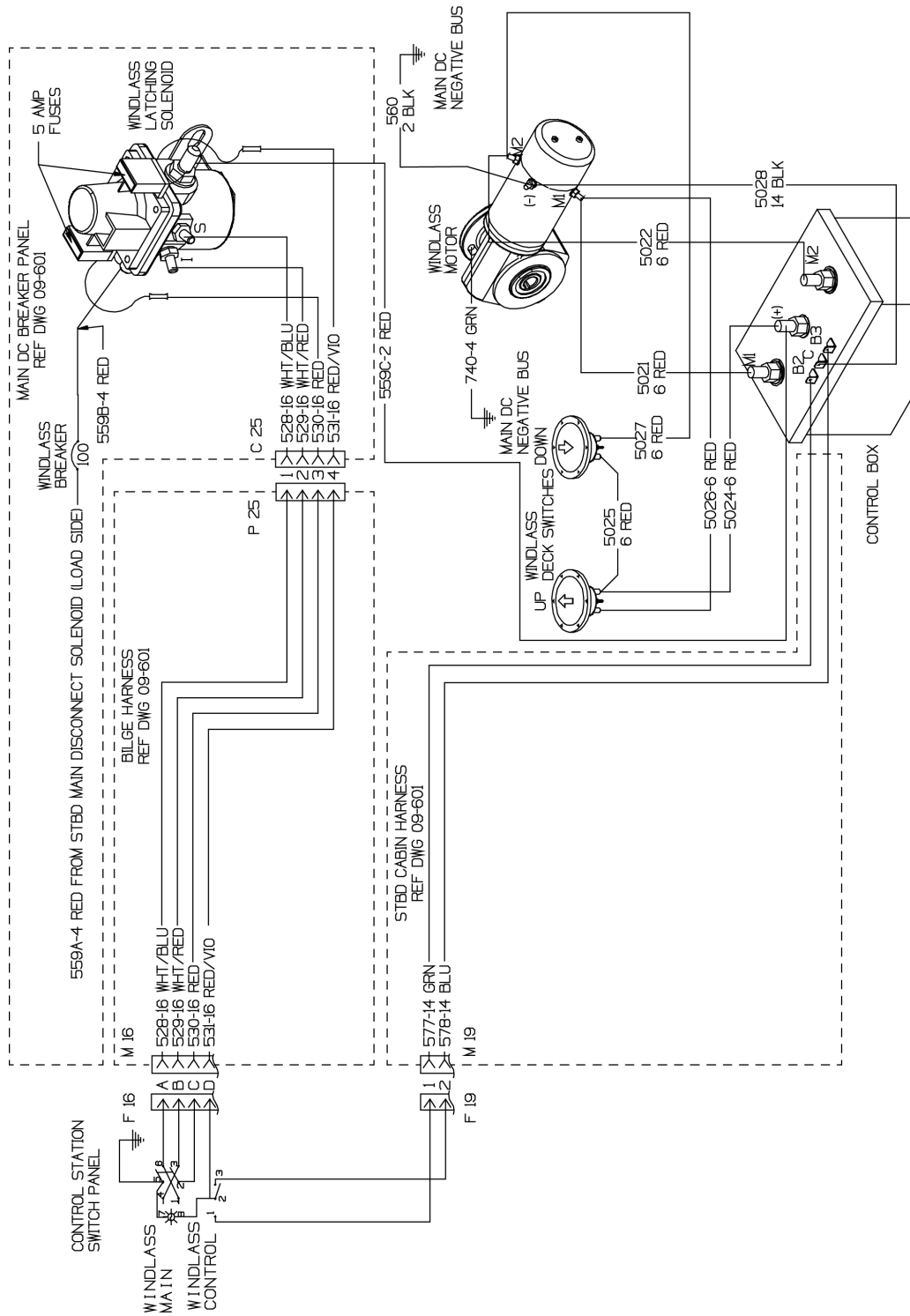
Drawing No. 09-606

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



# 40 SUNDANCER OWNERS MANUAL

WINDLASS SCHEMATIC  
(Fig. 31.1)



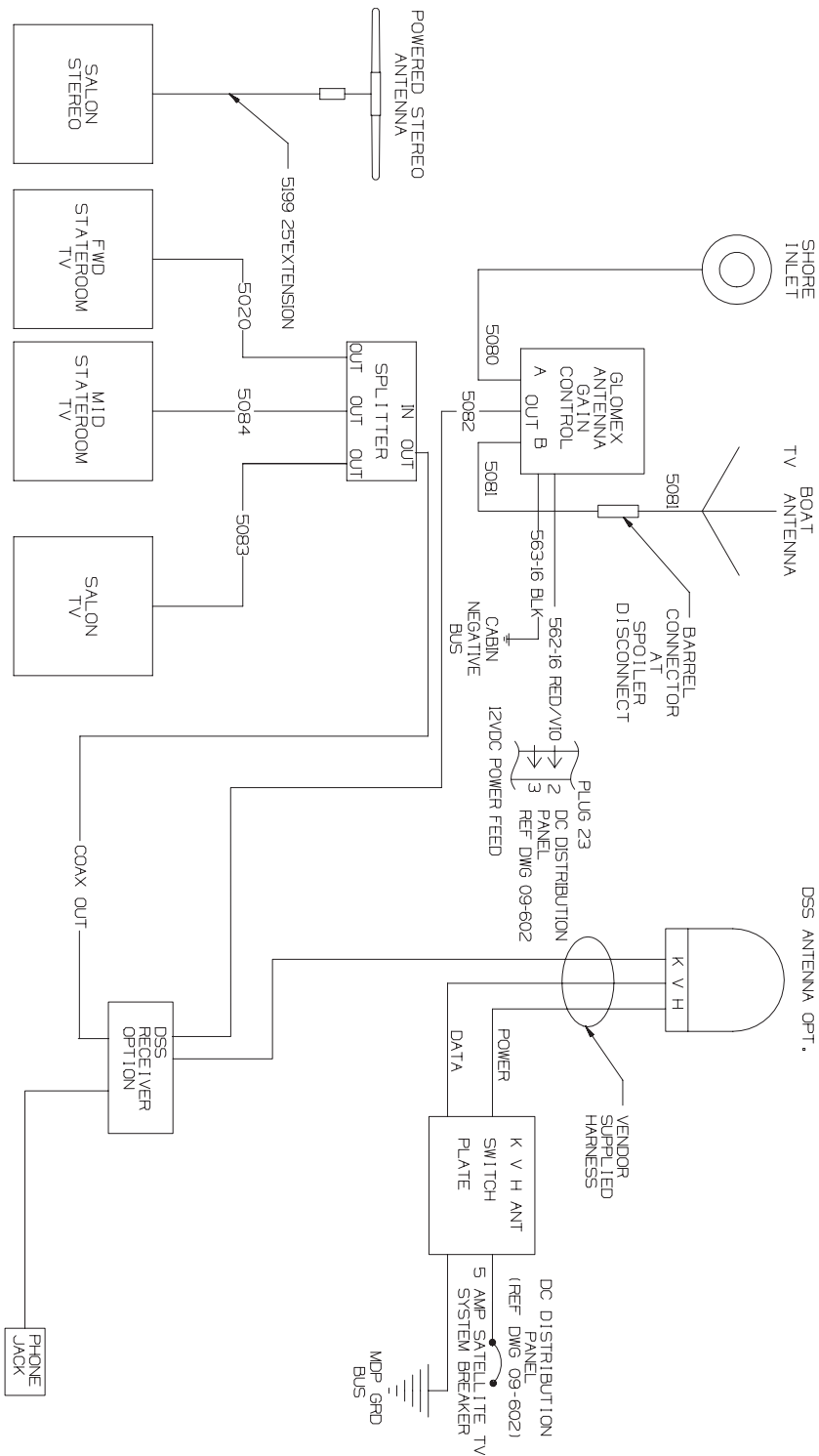
Drawing No. 09-610

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



# 40 SUNDANCER OWNERS MANUAL

TV & STEREO ANTENNA SCHEMATIC  
(Fig. 32.1)



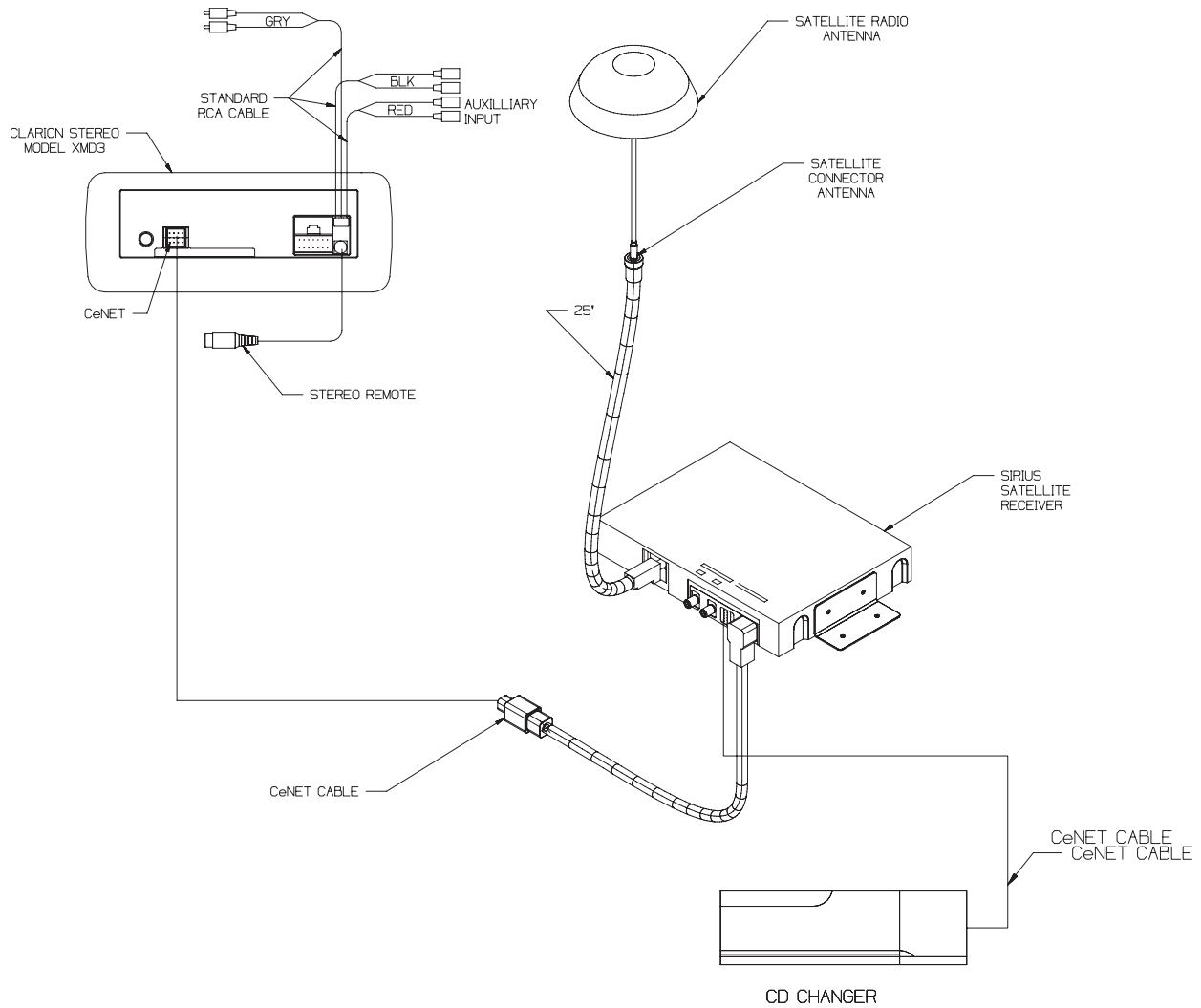
Drawing No. 09-613

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



# 40 SUNDANCER OWNERS MANUAL

SATELLITE STEREO WIRING  
(FIG. 33.1)



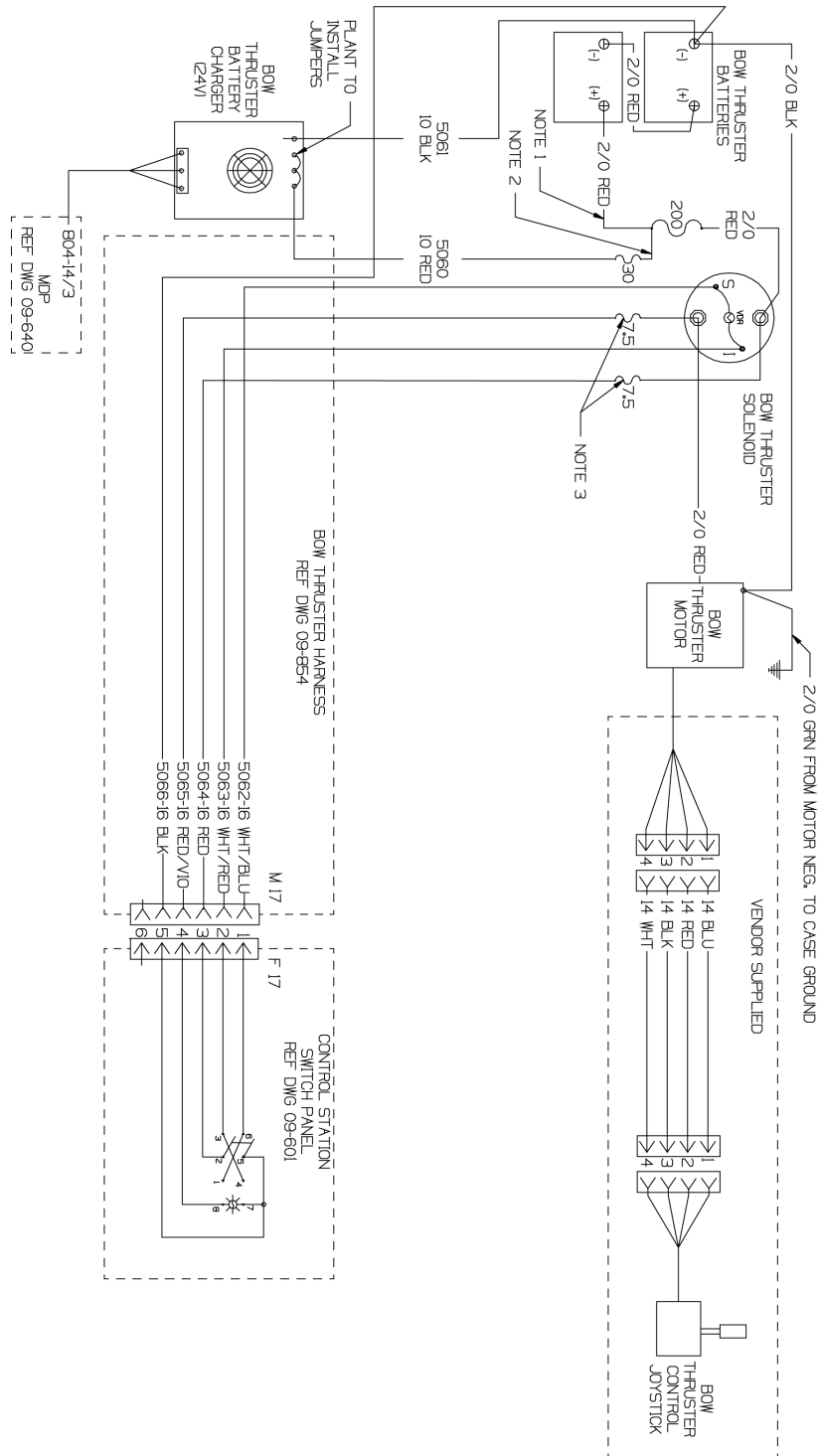
Drawing No. 09-615

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



# 40 SUNDANCER OWNERS MANUAL

BOW THRUSTER SCHEMATIC  
(FIG. 34.1)



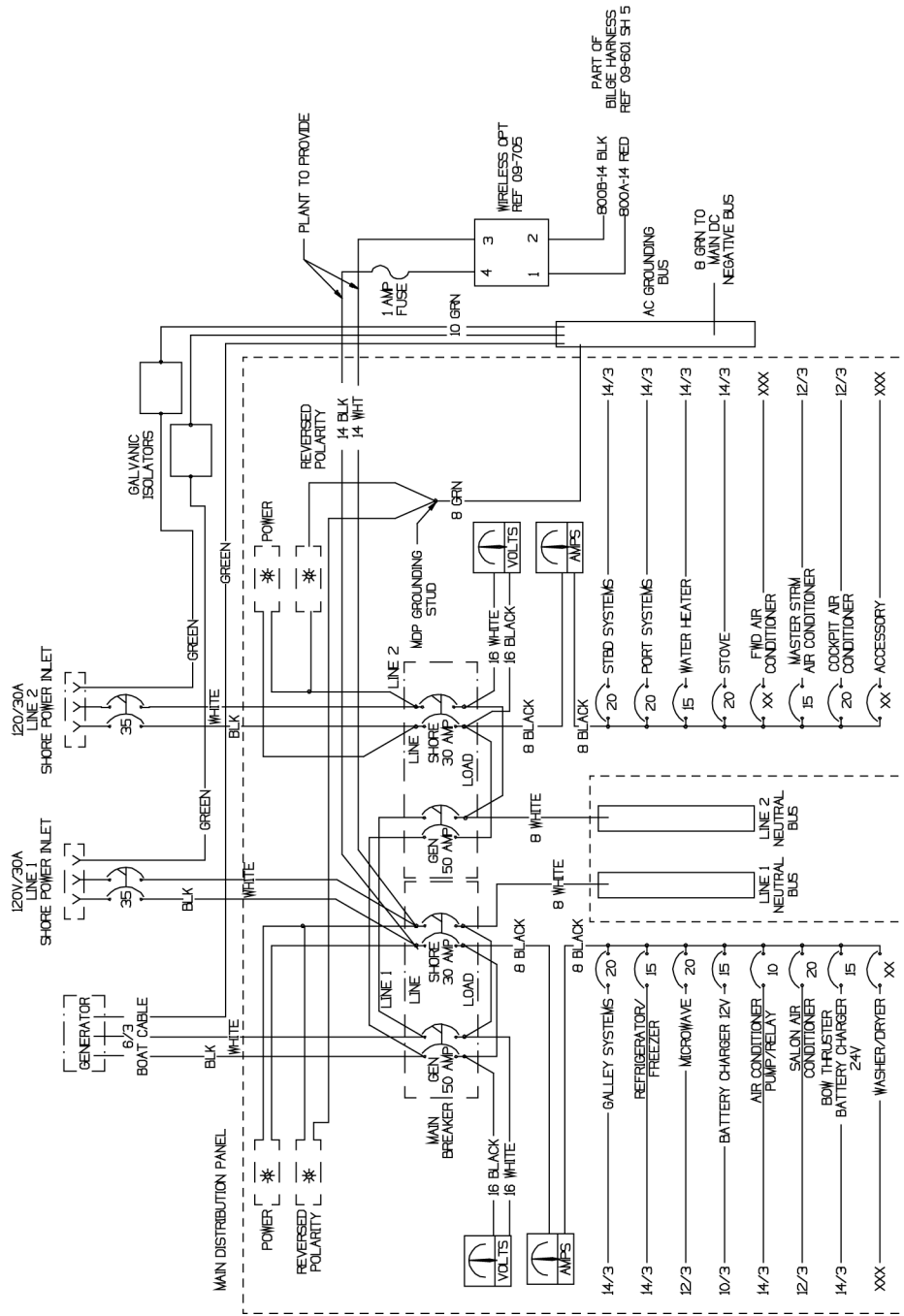
Drawing No. 09-616

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



# 40 SUNDANCER OWNERS MANUAL

AC WIRING SCHEMATIC (STANDARD 120VOLT 60Hz)  
(FIG. 35.1)



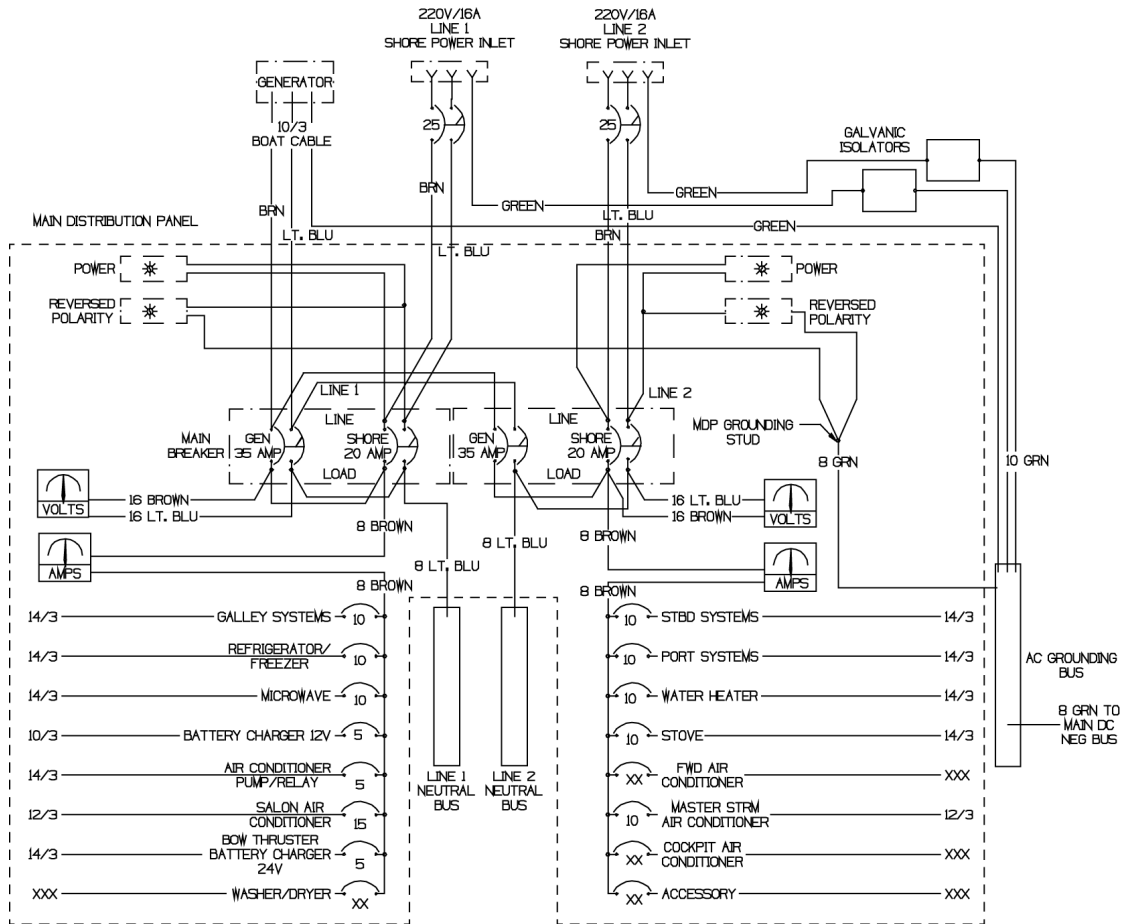
Drawing No. 09-630

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



# 40 SUNDANCER OWNERS MANUAL

AC WIRING SCHEMATIC (OPTIONAL 220VOLT 50Hz)  
(Fig. 36.1)



Drawing No. 09-632

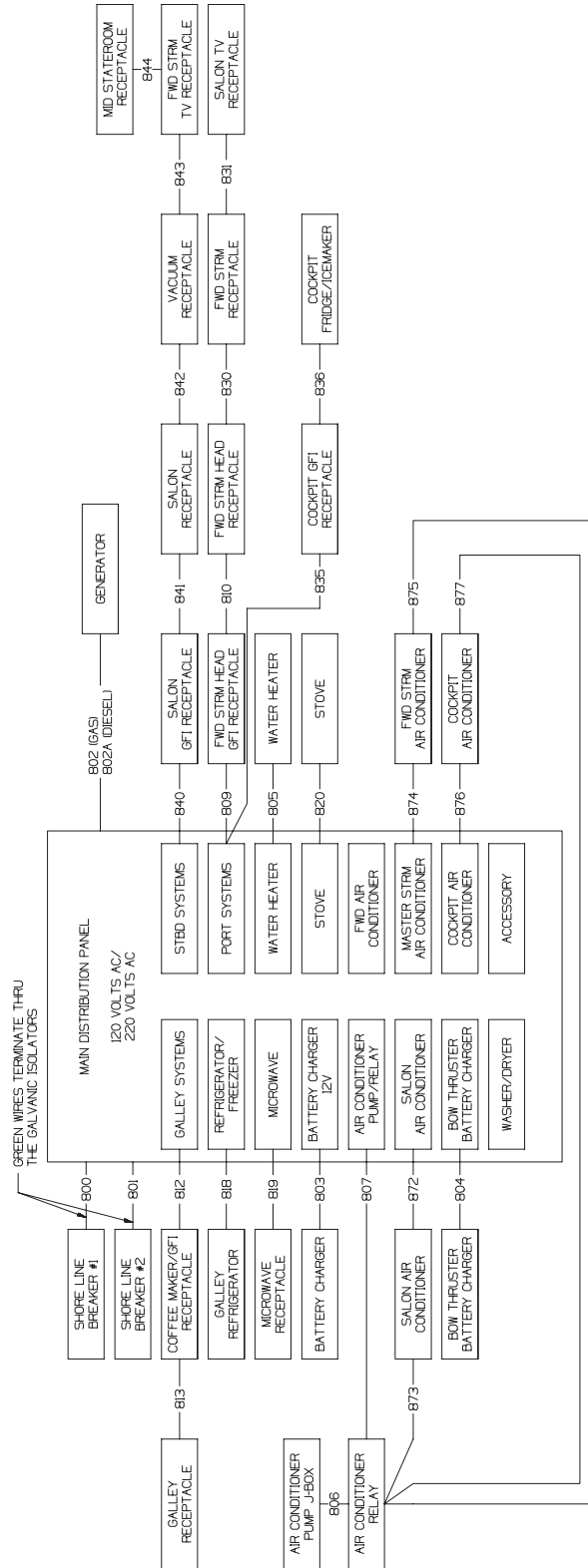
**Warning:**  
DO NOT attempt to work on the electrical system of this boat without professional assistance.





# 40 SUNDANCER OWNERS MANUAL

AC SYSTEM WIRING DIAGRAM  
(Fig. 37.1)



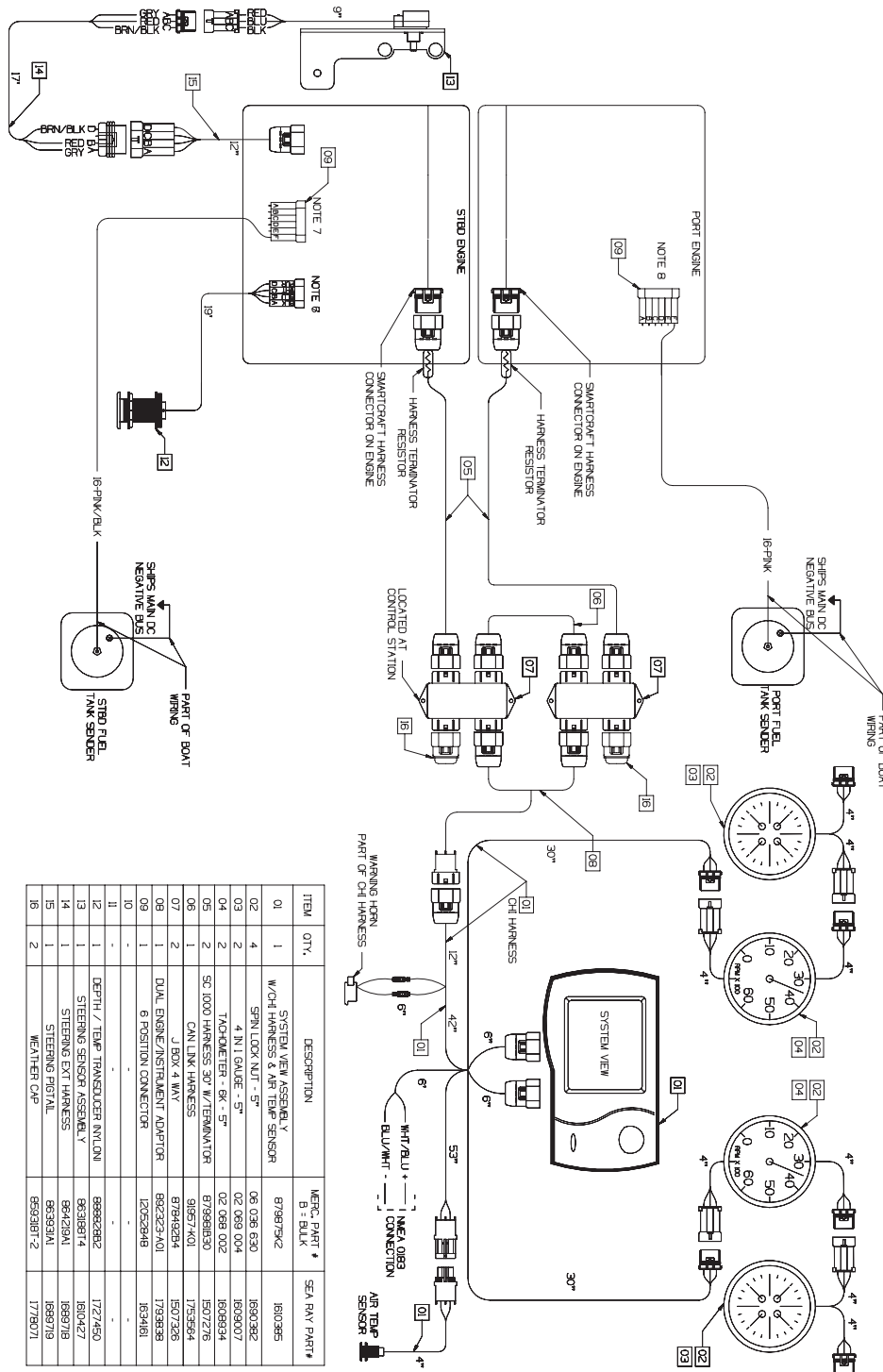
Drawing No. 09-640

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



# 40 SUNDANCER OWNERS MANUAL

SMARTCRAFT SYSTEM WIRING DIAGRAM  
(FIG. 38.1)



ITEM	QTY	DESCRIPTION	MFG. PART # B = BLK	SEA RAY PART #
01	1	SYSTEM VIEW ASSEMBLY	8798793Z	180395
02	1	W/O/H HARNESS & AIR TEMP SENSOR	06 036 630	180382
03	4	SFVN LOOK-UP - 5"	02 069 604	180907
04	2	4 IN. GAUGE - 5"	02 069 002	180934
05	2	TACHOMETER - BK - 5"	87998830	1507276
06	1	SC 1000 HARNESS 30' W/TERMINATOR	91957401	1753564
07	2	CAN LINK HARNESS	87948234	1507238
08	1	J BOX 4 WAY	882323401	1738838
09	1	DUAL ENGINE/INSTRUMENT ADAPTOR	12052848	183461
10	-	6 POSITION CONNECTOR	-	-
11	-	-	-	-
12	1	DEPTH / TEMP TRANSDUCER AN/LDN	8888888Z	1727450
13	1	STEERING SENSOR ASSEMBLY	88388814	1804627
14	1	STEERING EXH HARNESS	8842881	1899718
15	1	STEERING PIGTAIL	8838881	1899718
16	2	WEATHER DCP	8838881-2	1778071

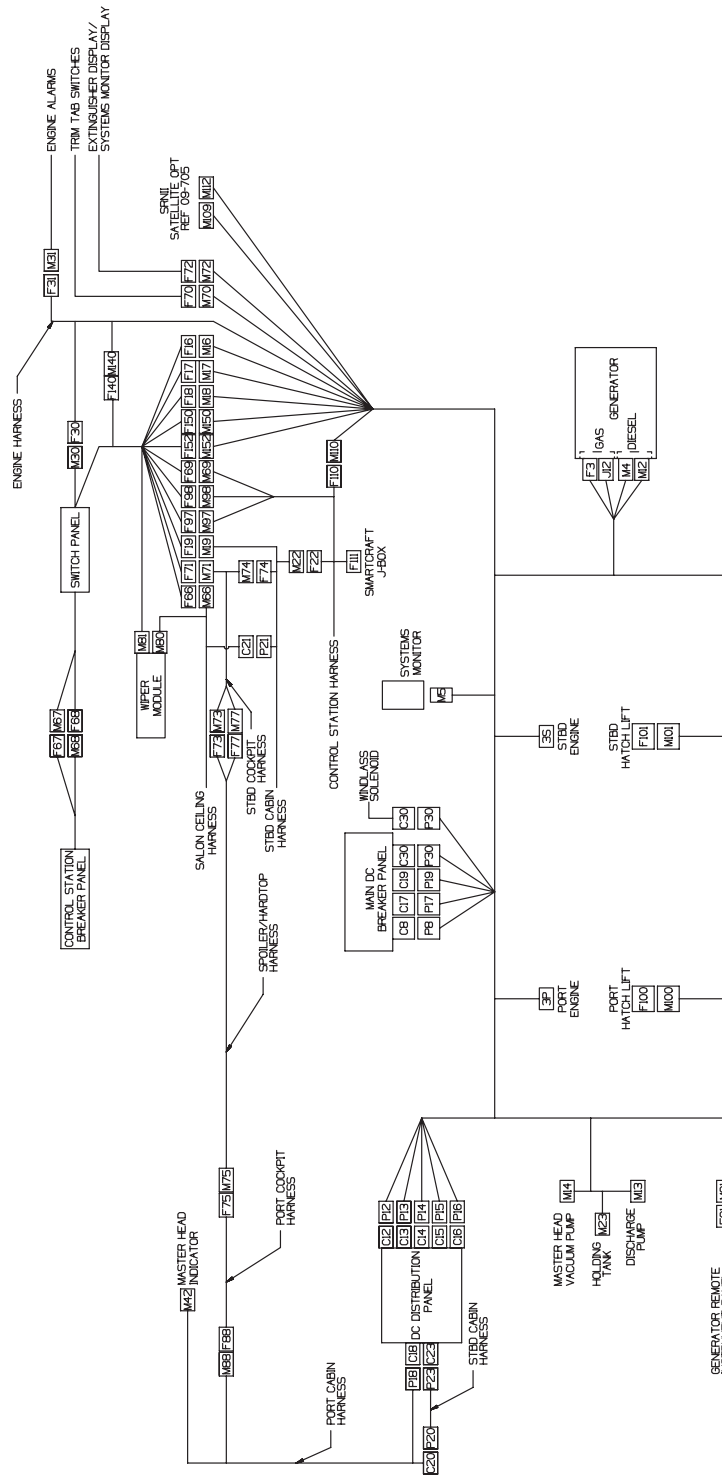
Drawing No. 09-701

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



# 40 SUNDANCER OWNERS MANUAL

INTERCONNECT DIAGRAM  
(FIG. 39.1)



Drawing No. 09-622

**Warning:**  
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