# 310 Sundancer



# Model Specific Information

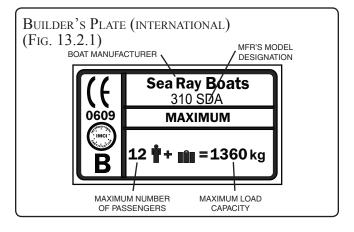
#### 1. LOAD CAPACITY

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

### **A** 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.



### 2. Passenger Locations

Refer to the General Information Sections 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.

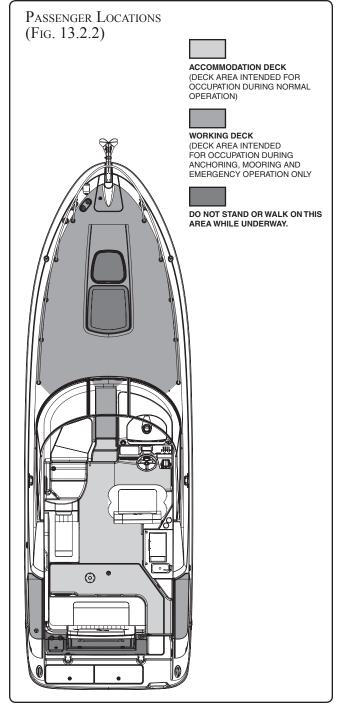
Use front or bow deck area only during anchoring, mooring or emergencies.

# **A** WARNING

Wet decks are slippery.

You can be seriously injured if you slip and fall.

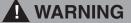
Wear slip resistant footwear secured to your feet and hold on to rails or boat structure.



# A DANGER

Rotating propellers can injure or kill you.

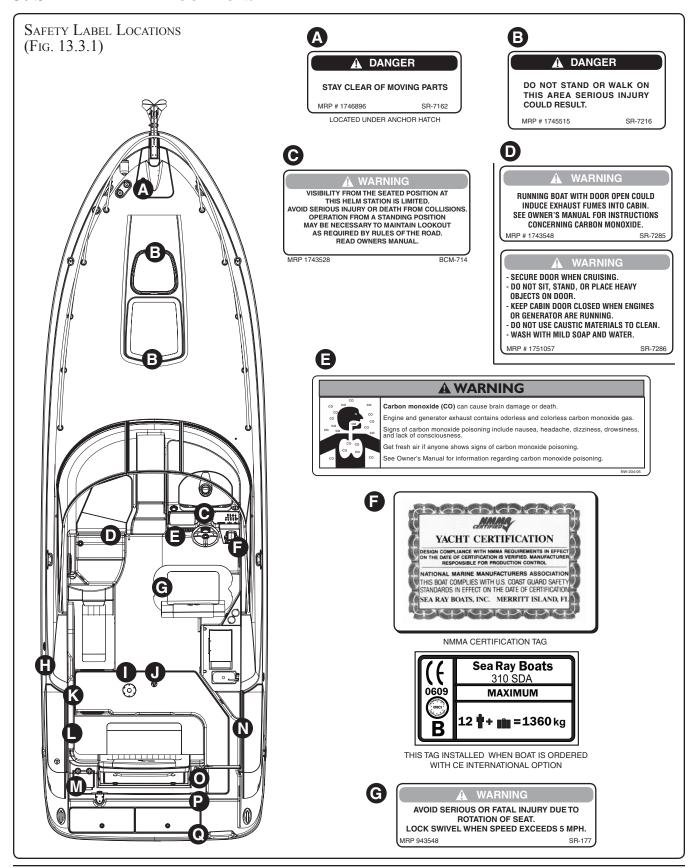
Shut off engine when persons are in water near boat, or on swim platform or ladder.



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



### 3. SAFETY LABEL LOCATIONS



# SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS (Fig. 13.4.1)



#### WARNING

Gasoline vapors are explosive! Avoid serious injury or death from fire or explosion, resulting from leaking fuel. Inspect system for leaks at least once a year

The use of fuels containing ethanol higher than 10% (E-10) can damage your engine or fuel system and will void the warranty. Never use (E-85).

Open flame appliances can ignite gasoline vapors causing death or injuries from the fire or explosion.

Turn off all open flame appliances when refueling.



#### **A** CAUTION

IF SWITCH IS TURNED OFF WHILE **ENGINE IS RUNNING ALTERNATOR** WILL BE DAMAGED.

MRP # 1746901

ON BATTERY SWITCH PANEL



LEAKING FUEL IS A FIRE AND EXPLOSION HAZARD. INSPECT SYSTEM REGULARLY. **EXAMINE FUEL TANKS FOR LEAKS OR** CORROSION AT LEAST ANNUALLY.

#### **NOTICE**

THIS BOAT IS EQUIPPED WITH AN OPTIONAL DIRECT OVERBOARD DISCHARGE VALVE. DISCHARGING OF SEWAGE DIRECTLY OVERBOARD IS FOR USE WHERE APPROVED ONLY

MRP 1745156

#### NOTICE

FIXED FIRE EXTINGUISHING SYSTEM MUST

MRP # 1949486

BE SUITABLE FOR GROSS COMPARTMENT VOLUME OF 250 cu ft.

#### NOTICE

CHECK BATTERY CELL FLUID LEVEL APPROXIMATELY EVERY 4 WEEKS, AND MORE OFTEN IN SUMMER AND HOT ZONES.

SB-7139

### DANGER

STAY CLEAR OF MOVING PARTS WHILE ENGINE IS RUNNING.

MRP 1745512

**SR**-7149



#### WARNING

#### **RISK OF FALLING HATCH**

ENSURE USE OF SUPPORT ROD BEFORE ACCESSING AREA BELOW. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH.

MRP# 1888131



#### DISCHARGE OF OIL PROHIBITED

ORS ARE SUBJECT TO A PENALTY OF \$5,000

MRP # 1744737 LOCATED UNDER BILGE ACCESS HATCH



#### WARNING

- DO NOT LEAVE BOAT UNATTENDED WITH THE DOCKSIDE WATER HOSE CONNECTED.
- DOCKSIDE WATER SHOULD BE CONNECTED DURING PERIODS OF HEAVY WATER USE ONLY. MRP 1745162

INSIDE COMPARTMENT



#### DANGER

TRANSOM DOOR MUST BE CLOSED AND SECURE WHEN **ENGINE IS RUNNING** MRP 1743571 SR-7102

#### **NOTICE**

TRANSOM DOOR MUST BE OPENED AND LATCHED FOR **ENGINE HATCH LIFT TO BE ACTUATED** 

MRP # 1751886

SR-7302



YOU CAN DIE OR BE SERIOUSLY INJURED BY BREATHING CARBON MONOXIDE OR BY THE PROPELLER IF YOU

FALL OVERBOARD.

REAR FACING TRANSOM SEATS MUST NOT BE USED WHILE ENGINE IS RUNNING OR BOAT IS MOVING. 1792393



#### **A DANGER**

Carbon monoxide (CO) can cause brain damage or death.

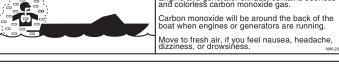
Engine and generator exhaust contains odorless and colorless carbon monoxide gas.

#### DANGER

TO AVOID RISK OF SERIOUS INJURY OR DEATH SHUT OFF ENGINE WHEN NEAR SWIMMERS OR PRIOR TO USING SWIM PLATFORM AND BOARDING LADDER.

MRP 1745519

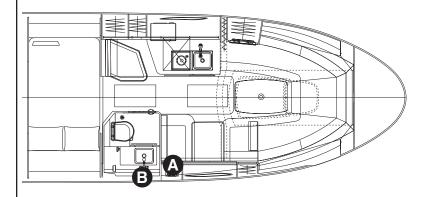


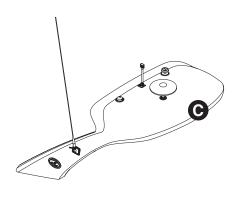




# SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS (Fig. 13.5.1)







#### **A WARNING**

Carbon monoxide (CO) can cause brain damage or death.

Carbon monoxide can be present in the cabin.

Signs of carbon monoxide poisoning include nausea, headache, dizziness, drowsiness, and lack of consciousness.

Get fresh air if anyone shows signs of carbon monoxide poisoning

Get fresh air is carbon monoxide detector alarm sounds.

Carbon monoxide detoctor must be functioning at all times.

#### A DANGER

n all gasoline powered boats, engine and generator exhaus systems protected boats, engine and generator \$Xhaust; systems produce coloriess and odoriess carbon monoxide gas ("CO"). Direct prolonged exposure can result in CO poisoning which may be harmful or fatal. To prevent access exposure and continuous conti

- 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.

MRP 1746899

#### **A** DANGER

LEAVING WINDOW OPEN COULD INDUCE EXHAUST FUMES INTO CABIN RESULTING IN SEVERE PERSONAL INJURY OR DEATH

#### A WARNING

ELECTRICAL SHOCK HAZARD. VESSEL IS EQUIPPED WITH A DC TO AC POWER INVERTER. DISCONNECT INVERTER DC INPUT BEFORE SERVICING VESSEL'S ELECTRICAL SYSTEMS.

MRP # 1816196

#### **A** DANGER

LEAVING WINDOW OPEN COULD INDUCE EXHAUST FUMES INTO CABIN RESULTING IN SEVERE PERSONAL INJURY OR DEATH SR-7135

MRP 1747493

G

#### **DANGER**

DO NOT CLIMB UPON OR STORE **EQUIPMENT ON HARDTOP** 

ON UNDERSIDE OF HATCH

#### A DANGER

UNPLUG SHORE POWER AND TURN OFF GENERATOR BEFORE REMOVING COVER

MRP 1743616

LOCATED ON ALL AC JUNCTION BOXES

# SAFETY LABEL LOCATIONS (CONTINUED)

SAFETY LABEL LOCATIONS (Fig. 13.6.1)

# 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.

<u>PLASTIC</u> - 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, LINNING 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

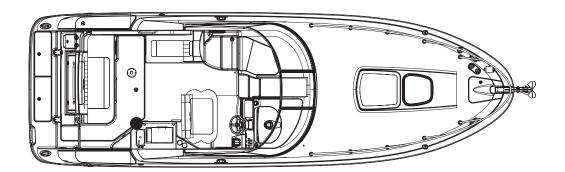
#### **PLASTICS**

LOCATED ON INSIDE OF COCKPIT WET BAR CABINET DOOR

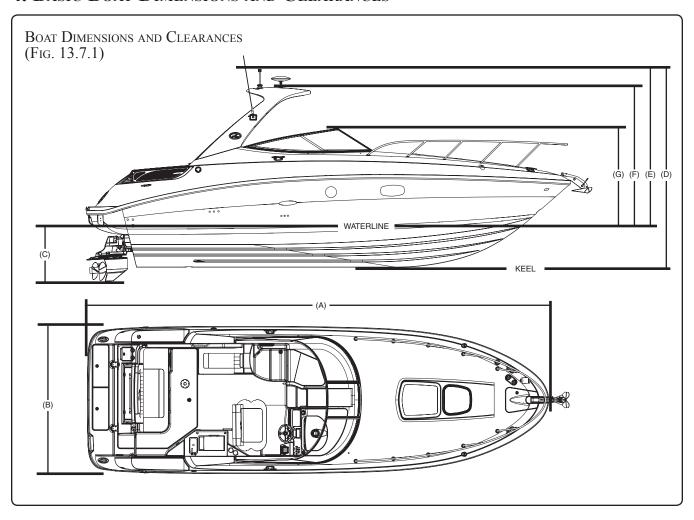
<u>DUNNAGE</u>- Material used to block and brace cargo, and is considered a cargo associated waste.

<u>DISHWATER</u>- 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.



# 4. BASIC BOAT DIMENSIONS AND CLEARANCES



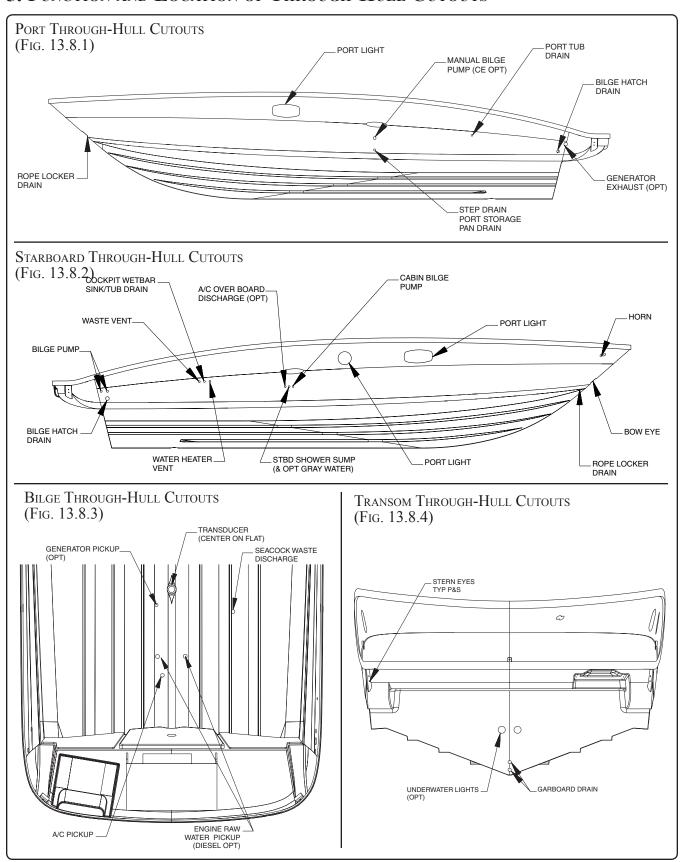
#### 310 SUNDANCER® SPECIFICATIONS

#### **HEIGHT DIMENSIONS**

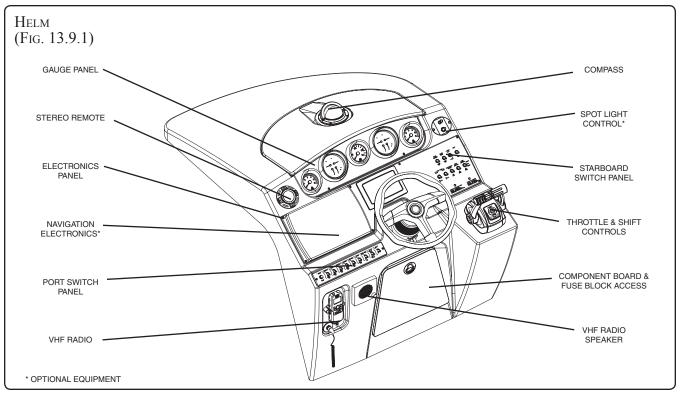
(A) Overall Length		(D) Keel to Top of All-Round Light 12' 71/2"	3.85 m
With Std. Swim Platform 31' 0"	9.45 m	(E) Waterline to Top of All-Round Light 10' 23/4"	3.12 m
(B) Beam (Width)10' 0"	3.05 m	(F) Waterline to Top of Spoiler9' 1/2"	2.76 m
(C) Draft (Stern Drive Down) 41" *	104 cm*	(G) Waterline to Top of Windshield 6' 51/2"	1.97 m
Draft (Stern Drive Up) 30" *	76 cm*		
*MINIMUM WATER DEPTH TO PREVENT RUNNING AGROUND			
Dry Weight11,630 lbs.	5,275 kg.		
Fuel Capacity125 gal.	473 liters		
Usable Fuel112 gal.	424 liters		
Fresh Water Capacity 28 gal.	106 liters		
Holding Tank28 gal.	106 liters		
Dead Rise21°			

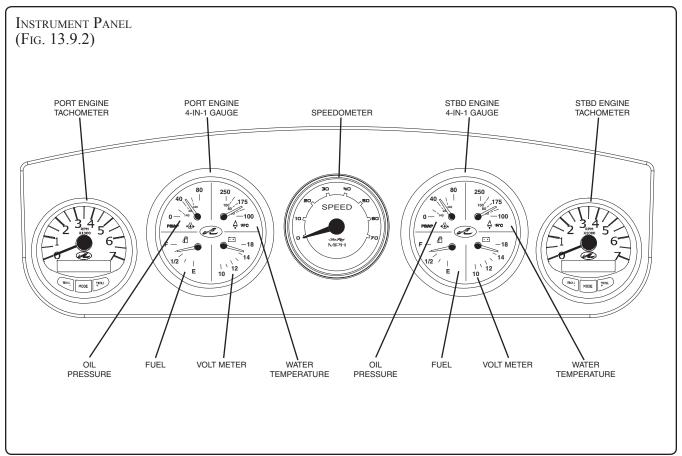
NOTE - DIMENSIONS CAN VARY DEPENDING ON LOAD AND RUNNING CONDITIONS.

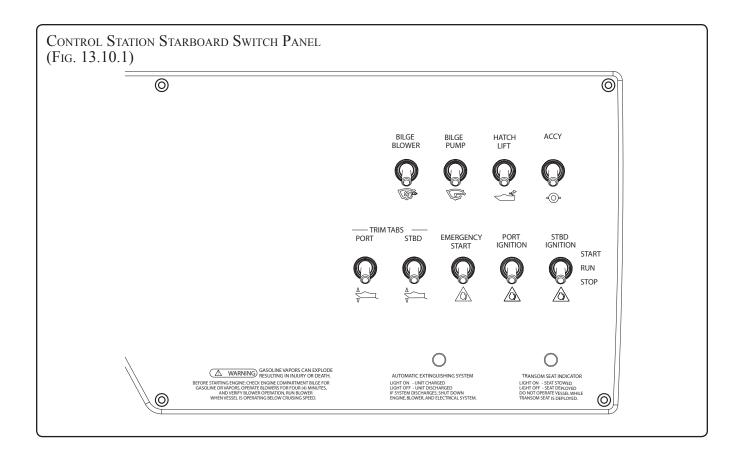
### 5. Function and Location of Through-Hull Cutouts

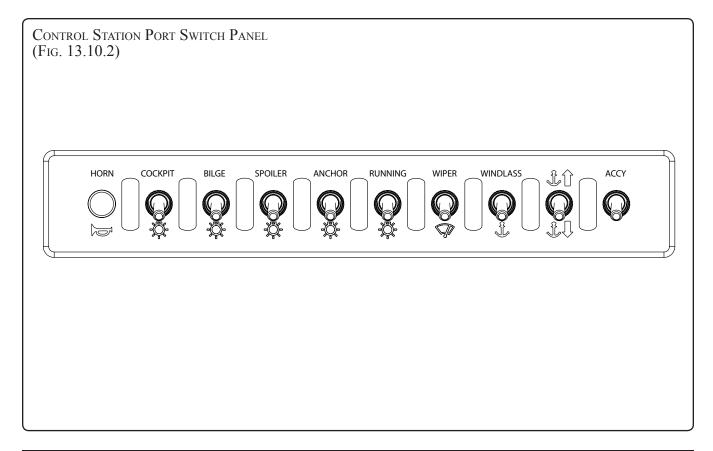


# 6. Helm, Gauge & Switch Layout

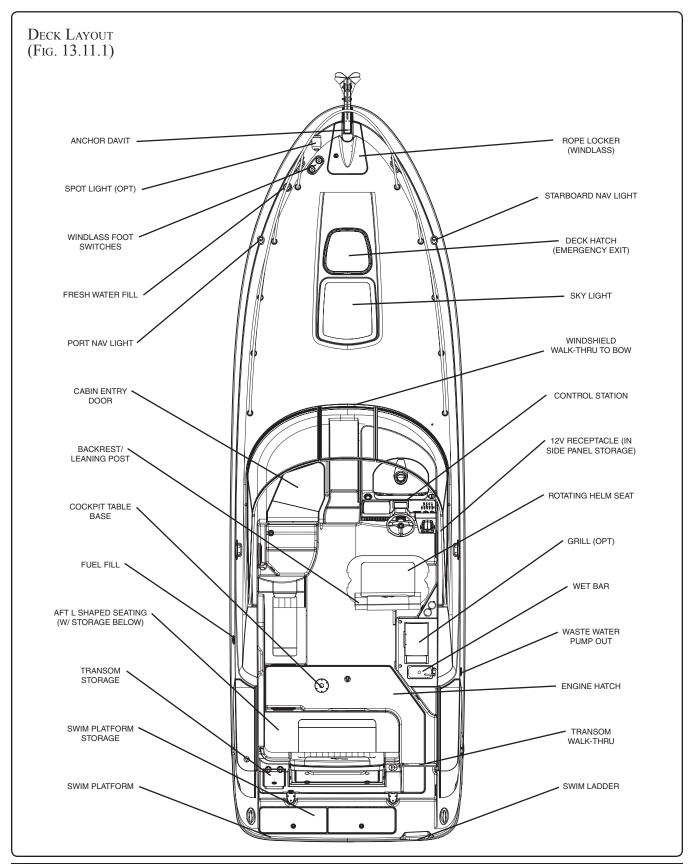




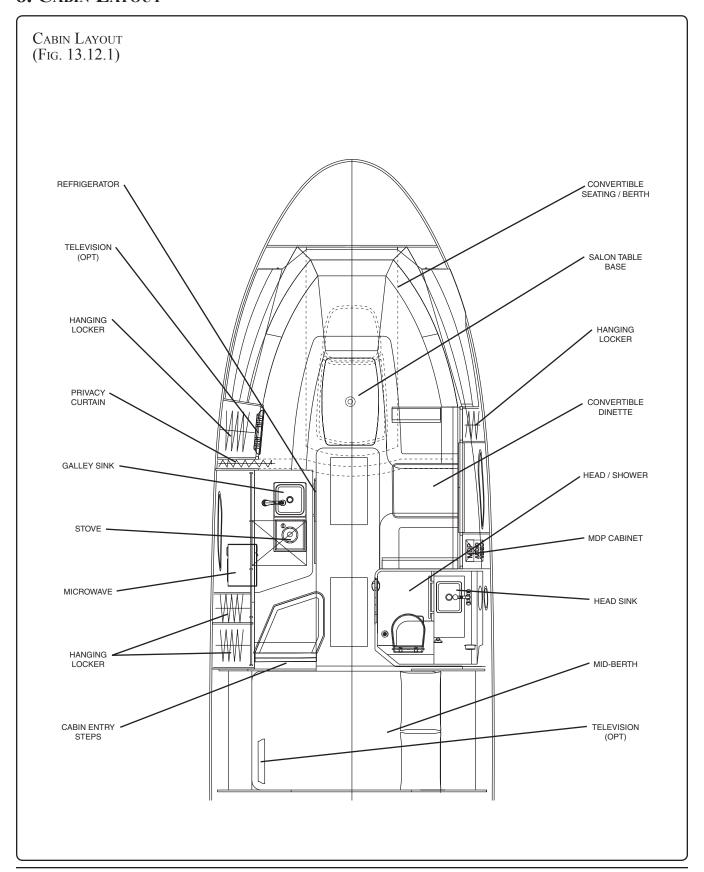




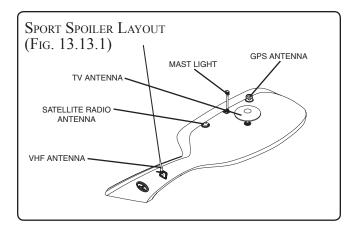
### 7. DECK LAYOUT



### 8. CABIN LAYOUT

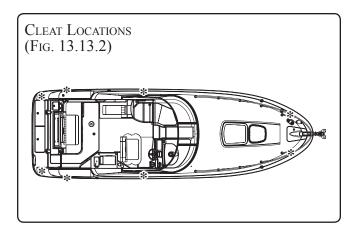


### 9. SPORT SPOILER LAYOUT



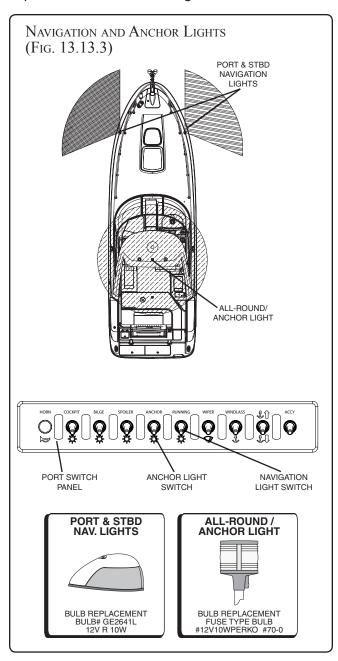
### 10. CLEATS

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



### 11. Navigation and Anchor Lights

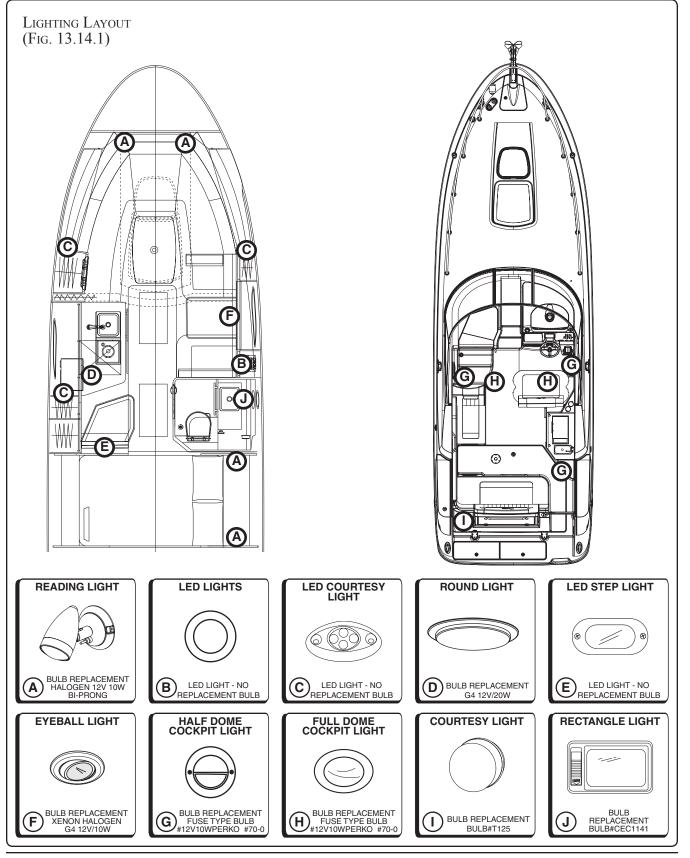
See General Information Sections for a detailed explanation of the anchor lights.



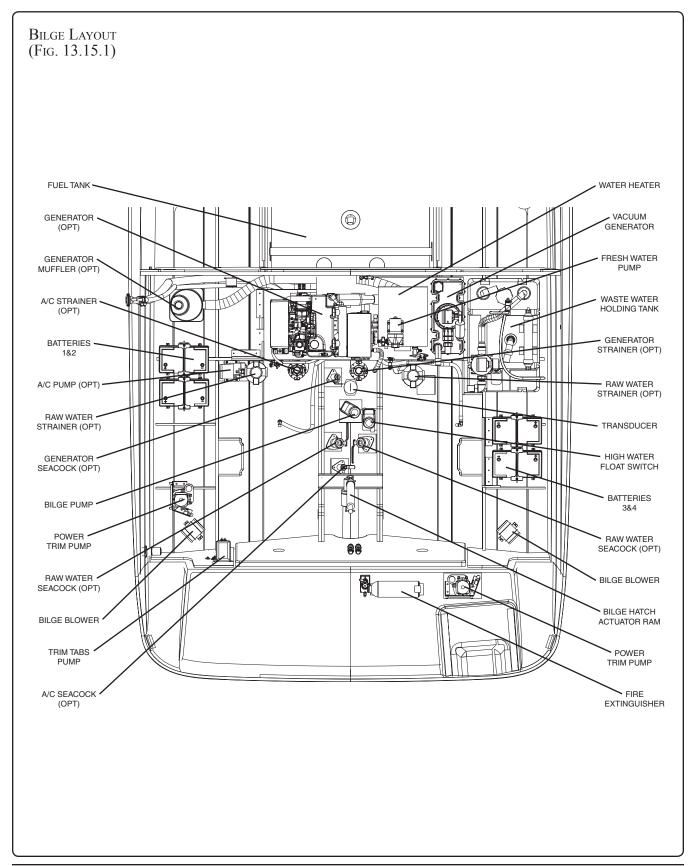
### 12. LIGHTING

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

# LIGHTING (CONTINUED)



### 13. BILGE LAYOUT



### 14. FIRE EXTINGUISHING SYSTEM

Your 310SDA has an automatic fire extinguisher system installed standard. Refer to the General Information Sections for a detailed explanation of the automatic fire extinguisher system.

### 15. Fuel System

#### A. GASOLINE FUEL SYSTEM

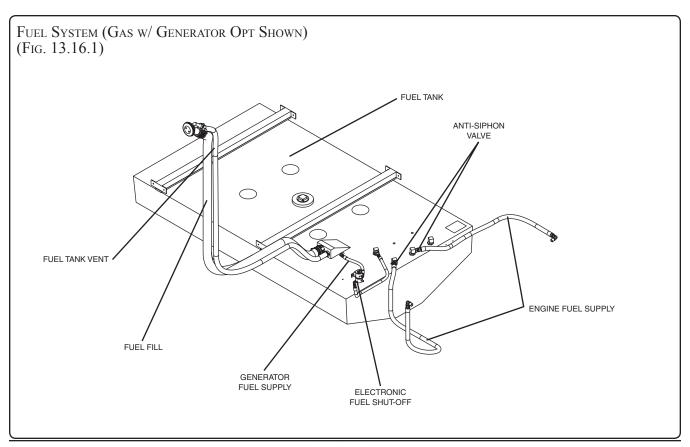
The gasoline fuel system on your 310SDA consists of a 125 gal. (473 liter) fuel tank, fuel tank vent, anti-siphon valve, sending unit, engine fuel supply line and fuel fill.

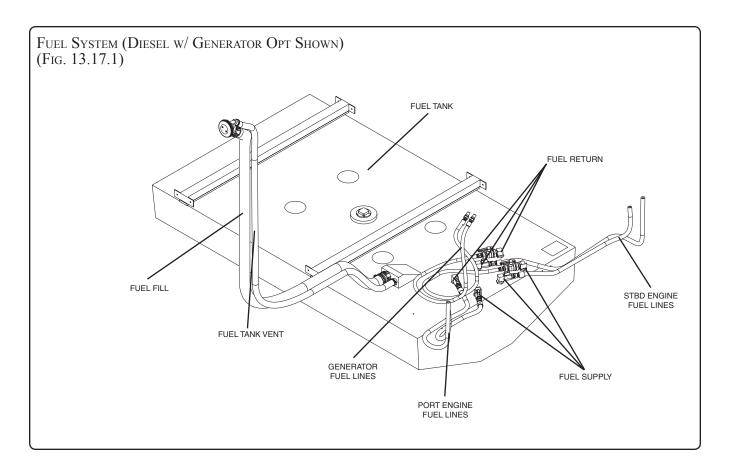
#### B. DIESEL FUEL SYSTEM (OPTIONAL)

The diesel fuel system consists of a 125 gal. (473 liter) fuel tank, fuel tank vent, engine fuel supply and return line, anti-siphon valve, fuel filter and fuel fill.

#### 16. WATER SYSTEM

The fresh water system on the 310SDA consists of a 28 gal. (106 liter) tank, 12v water pump, 120v 6 gal. (22.5 liter) water heater, 3 faucets (galley, head compartment and cockpit wet bar) and an optional fresh water washdown spigot. Refer to the General Information Sections for a detailed explanation of the water system.





### 17. Entertainment System

The standard entertainment system on your 310SDA consists of a 12V AM/FM stereo with single CD (located in the cabin), MP3 ports (1 at the helm and 1 in the cabin), an iPod® docking station, speakers (2 in the cockpit and 2 in the cabin) and a digital cockpit remote control. An additional stereo remote on the transom is available as an option.

An optional Premium Cockpit Sound System is available. It includes upgraded speakers, subwoofer, amplifier and transom stereo remote.

Other available options include a TV with remote DVD player and dockside inlet in the salon and mid-stateroom, and a Sirius® satellite radio receiver.

### 18. DC to AC Inverter

An optional DC to AC power inverter is available that provides power for small electronic loads such as electronic game units. The use of the inverter for larger loads will cause the breaker at the inverter or the main DC panel to trip. If this occurs, disconnect the load and reset the breaker.

# **A** WARNING

**Electric Shock Hazard** 

If vessel is equipped with a DC to AC power inverter, disconnect inverter DC input before servicing vessel's electrical systems.

### 19. Engine Hatch

The engine hatch is electronically actuated by a switch on the control station upper switch panel. Before attempting to raise or lower the hatch make sure that there are no objects that may interfere with or be damaged by the movement of the hatch.

#### 20. Canvas

The standard canvas on the 310SDA consists of: Aft CurtainAft Sunshade

Canvas Storage Bag

Front Curtains

Side Curtains

The optional camper canvas package consists of: Camper Aft Curtain (in lieu of the standard aft curtain)

Camper Top w/boot & vertical storage

Cockpit CoverFront Curtains

Side Curtains (Bimini & Camper)

An optional cockpit cover is also available.

# **A** 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.

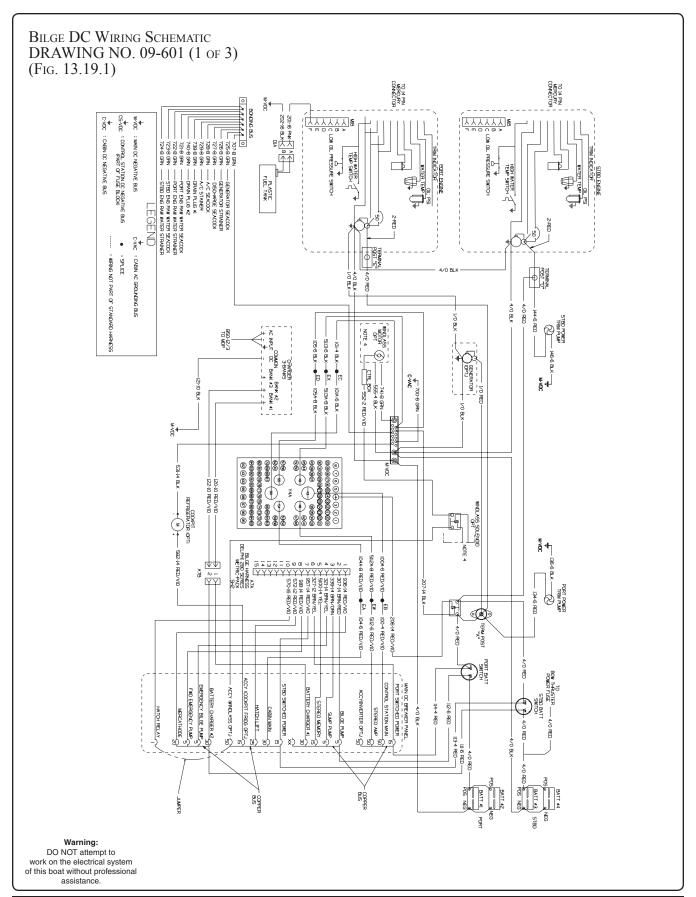
CO sickness symptoms include headache, nausea and dizziness. Do not mistake these symptoms for sea sickness.

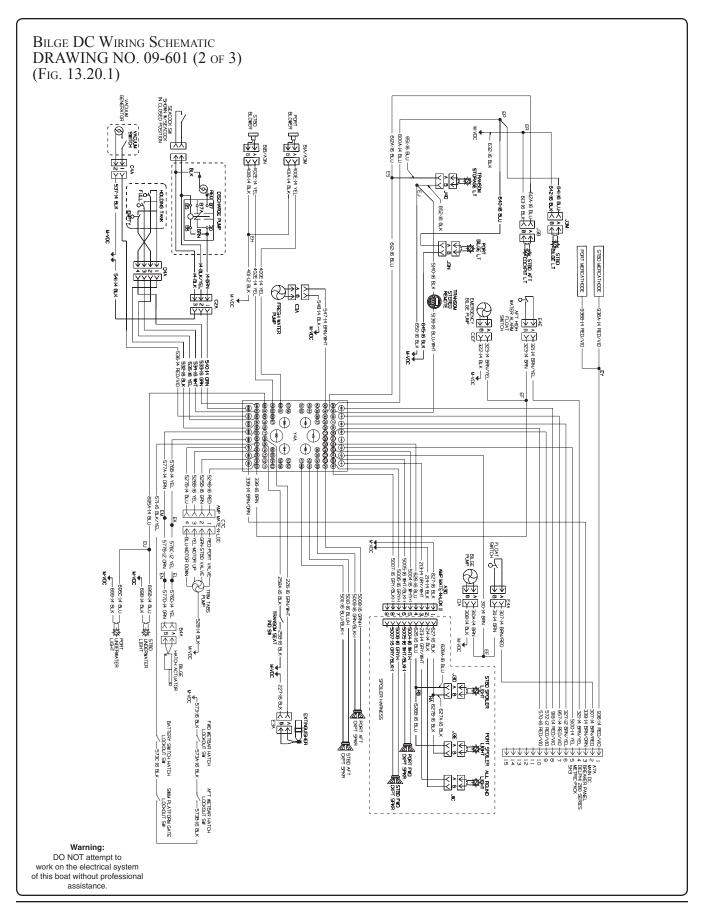
Ventilate boat. See Section 1 of the General Information Manual, Carbon Monoxide, for more details.

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

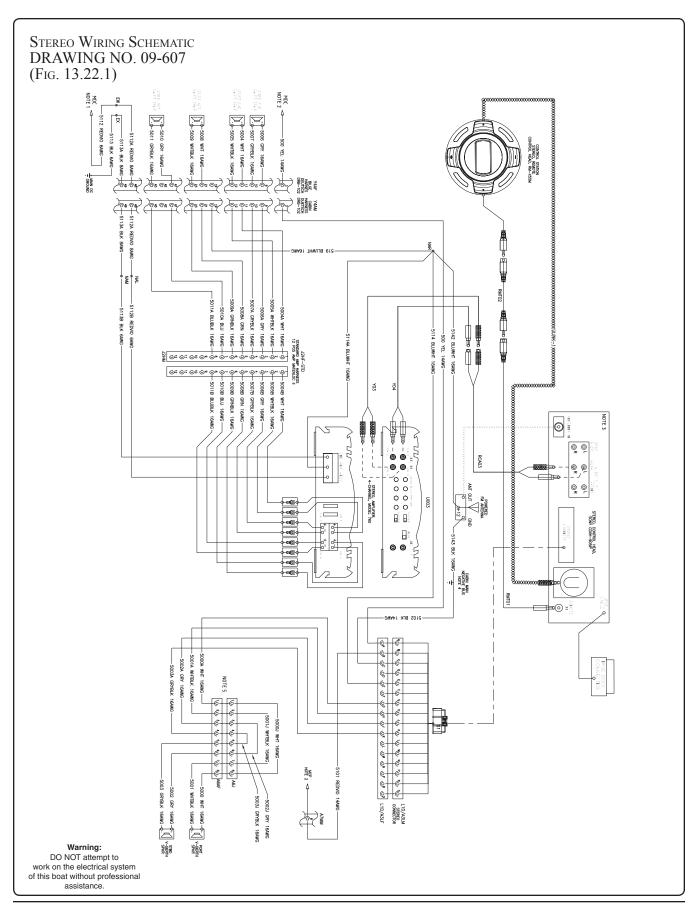
### 21. ELECTRICAL SCHEMATICS

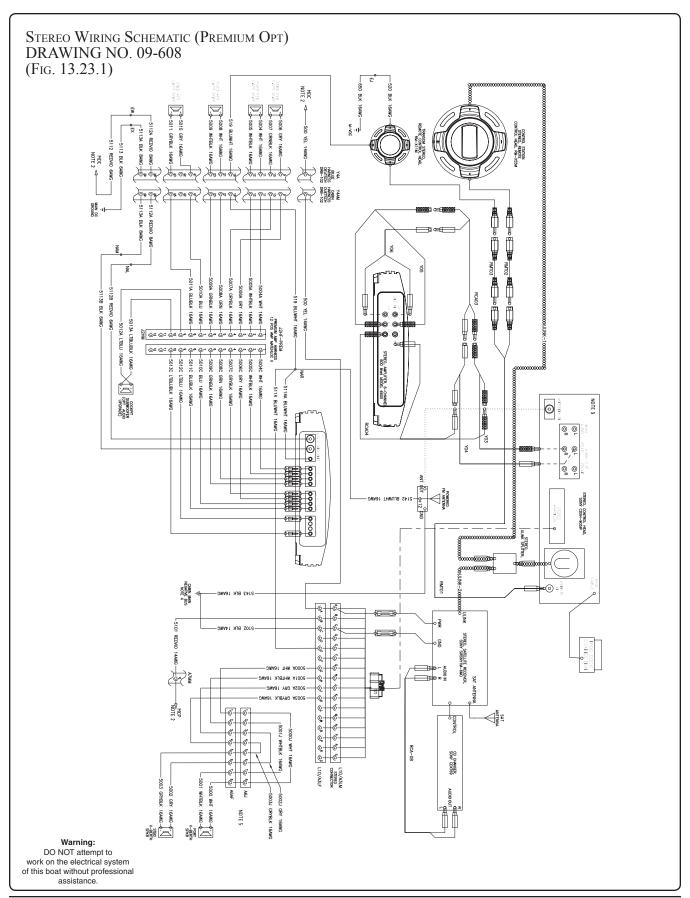
This owner's manual contains electrical schematics and wiring harness illustrations for your boat. These electrical schematics were generated by electrical CAD designers at the engineering division for technical reference and service technicians. Sea Ray® does not recommend that you attempt to work on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

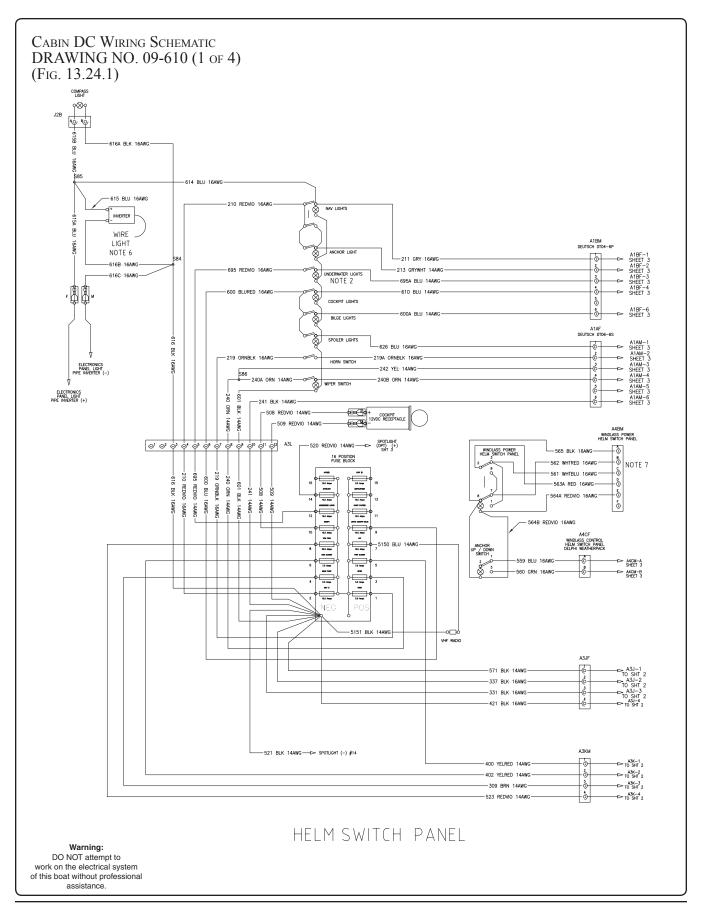


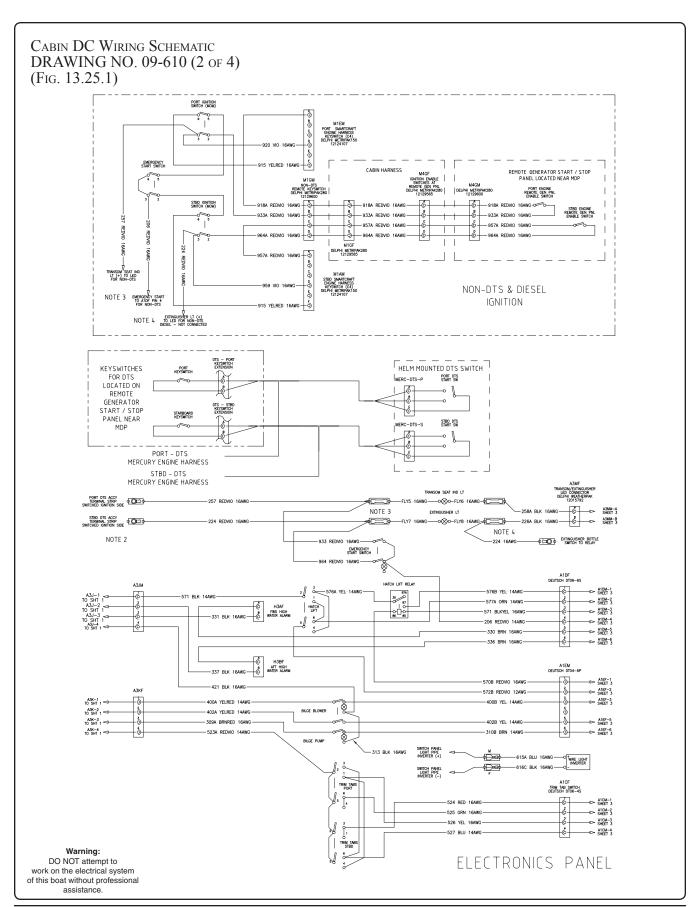


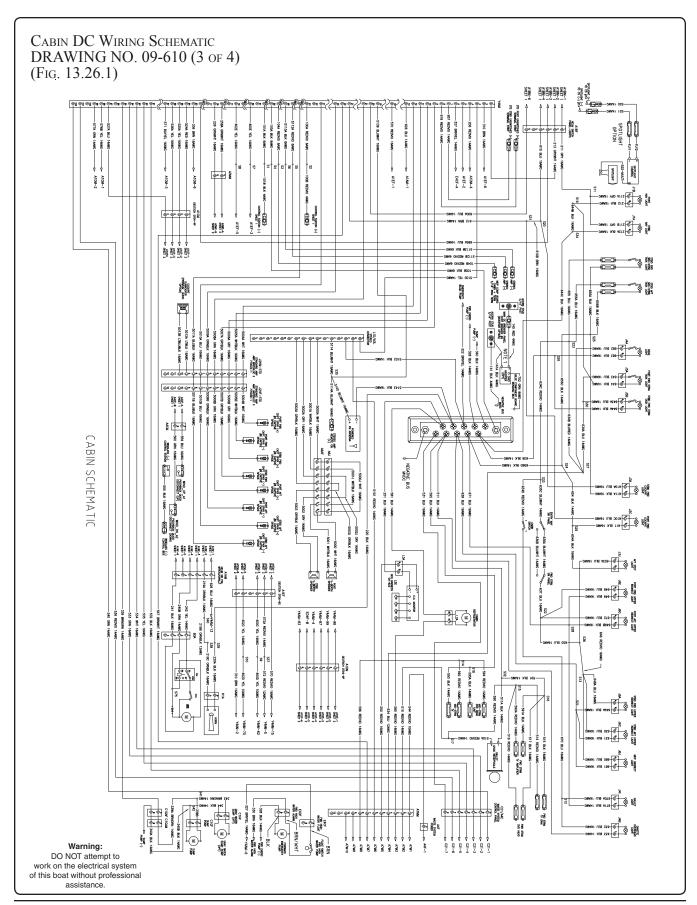
BILGE DC WIRING SCHEMATIC DRAWING NO. 09-601 (3 of 3) (Fig. 13.21.1) STBD SPOILER LIGHT PORT SPOILER LIGHT ALL ROUND LIGHT J3D J3E J1C 1 140 BO 40 1 626A BLU 16AWG-627A BLK 16AWG A3D RA 6--627 BLK-16AWG -627B BLK 16AWG 6 -214 BLK-14AWG 3 (0 213 GRYWHT 14AWG RB 6 626 BLU 16AWG 626B BLU 16AWG 5 © -5004 WHT 16AWG PORT FWD CKPT SPKR 6 5005 WHTBLK 16AWG 6 -5006 GRY 16AWG-. | @--5007 GRYBLK 16AWG ° SPOILER SCHEMATIC Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.

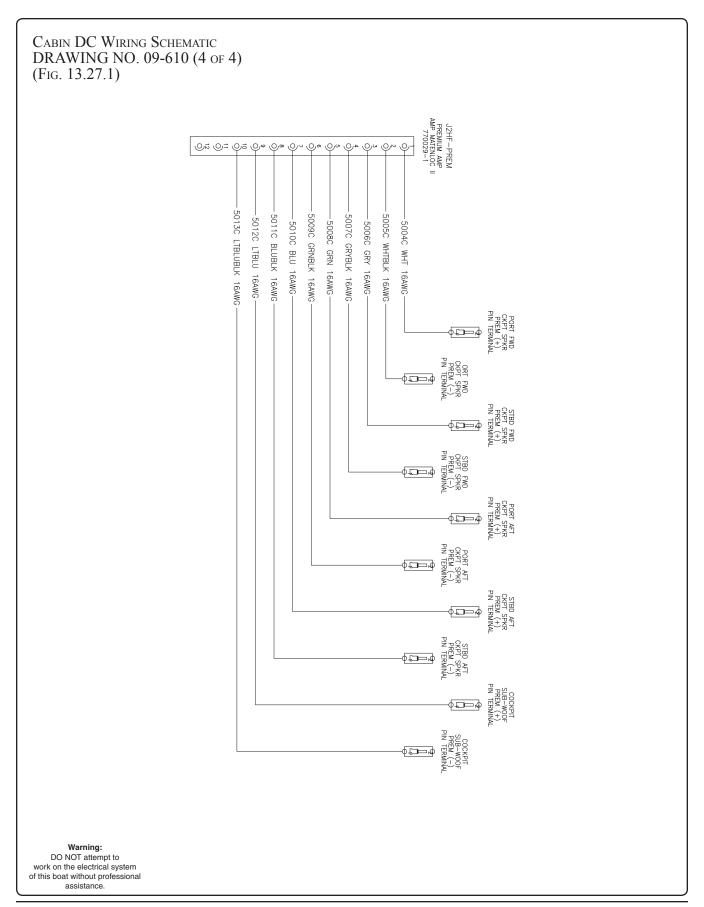


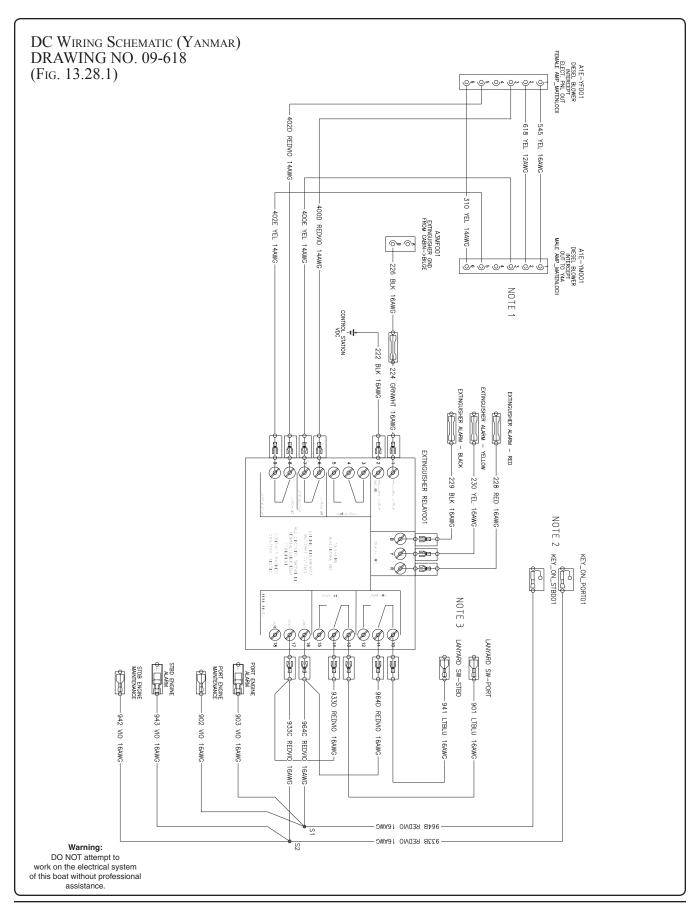


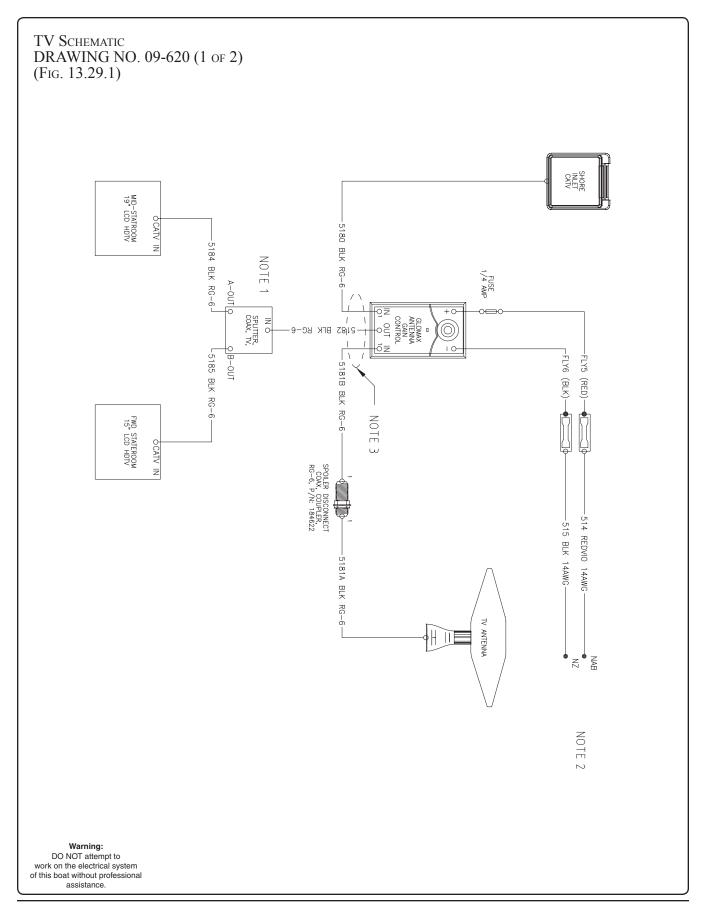


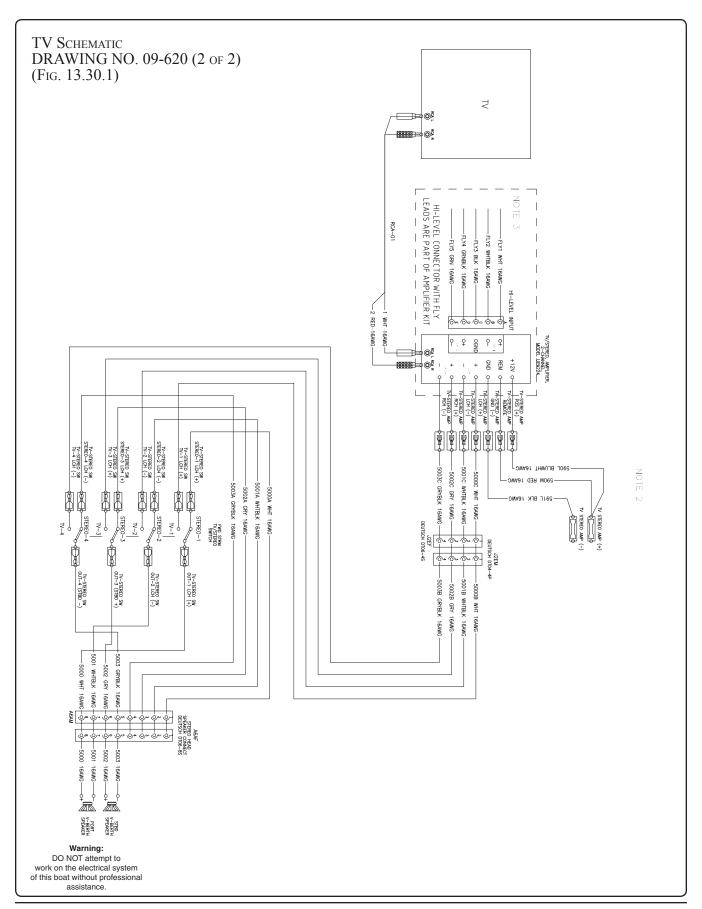


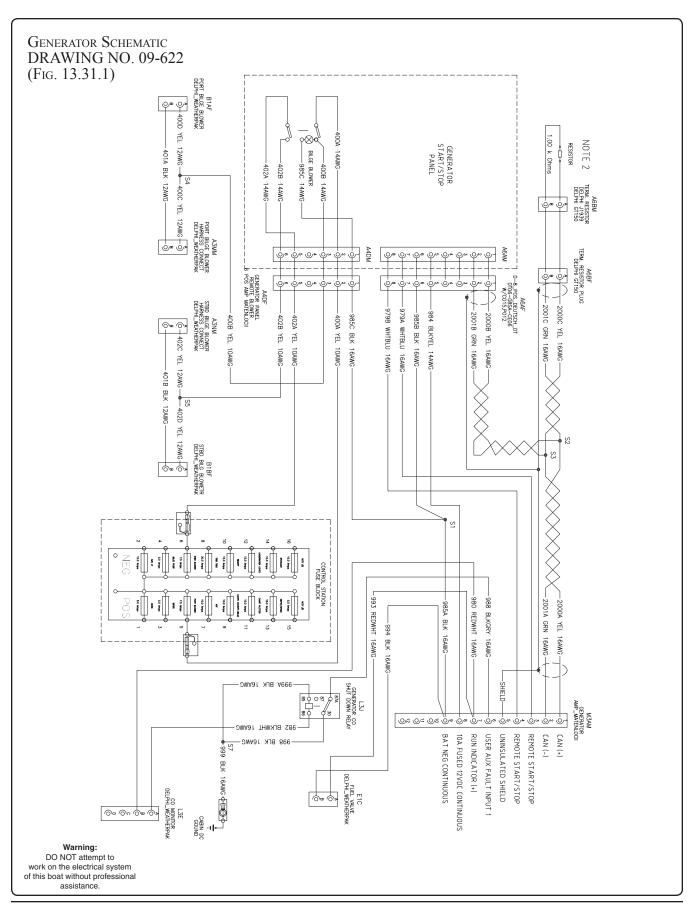


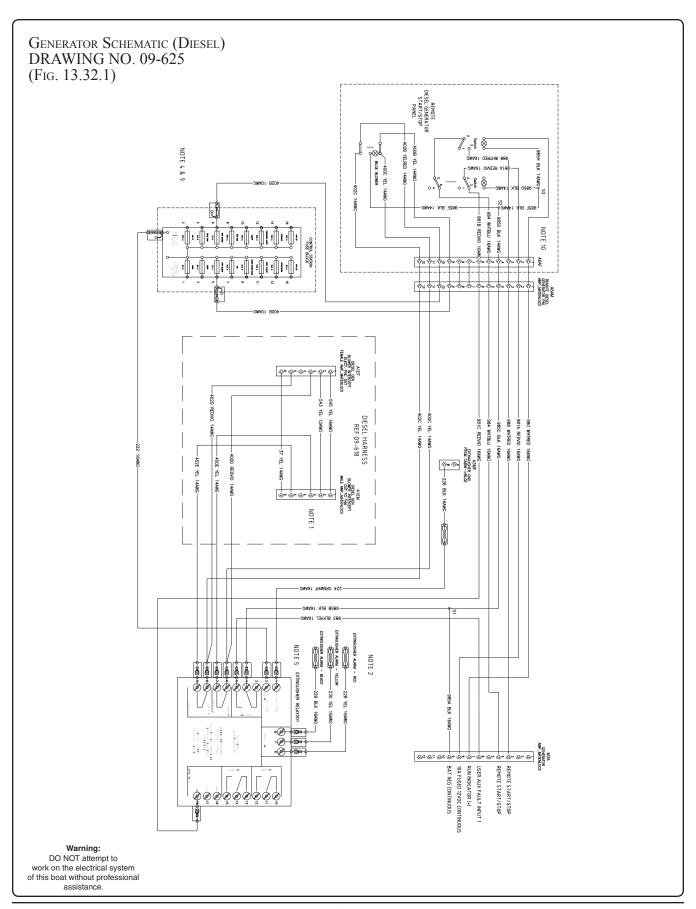


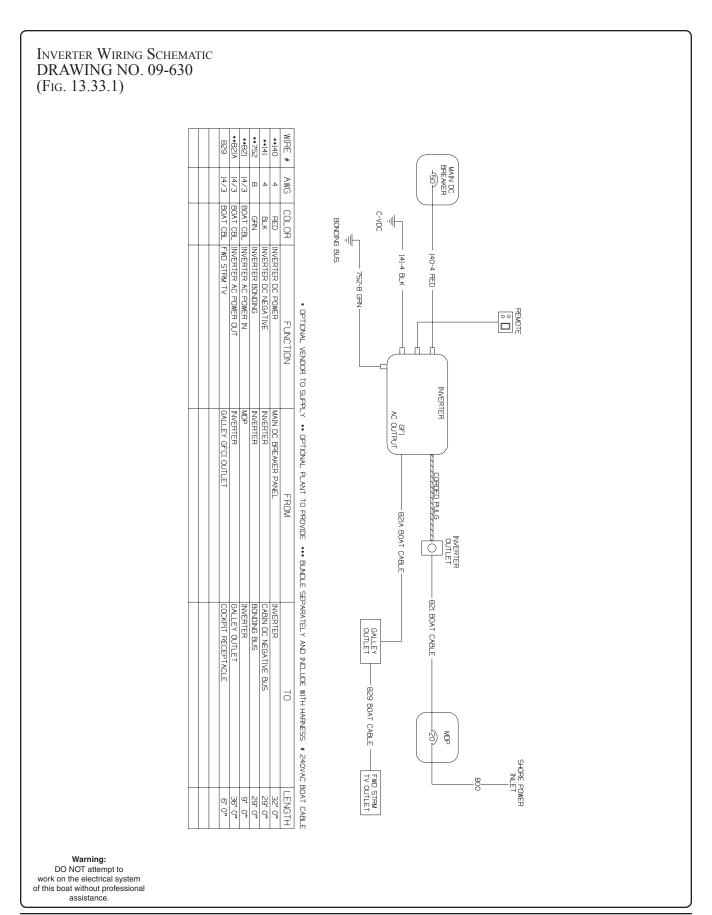


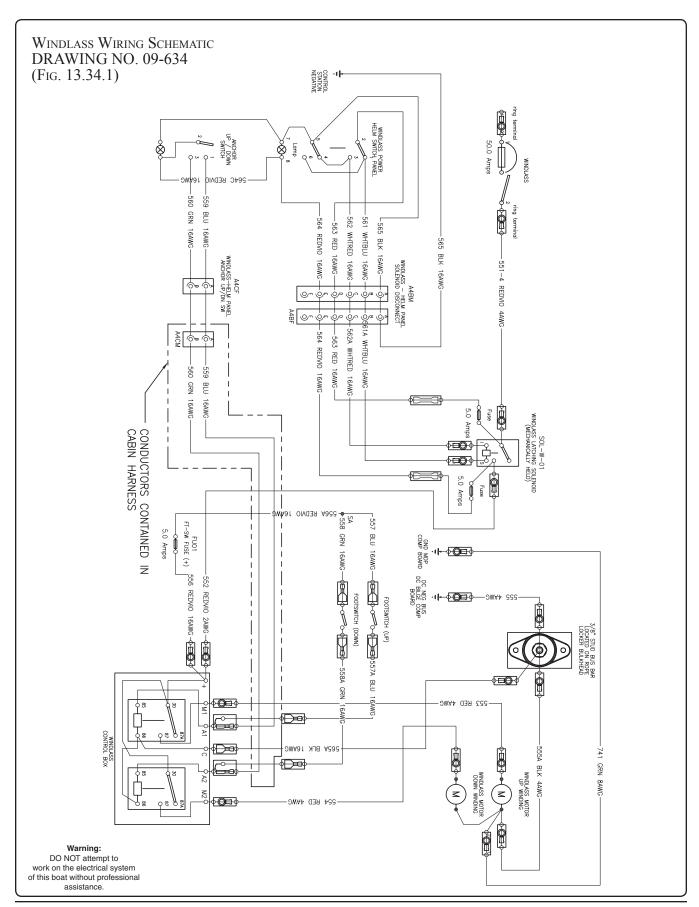


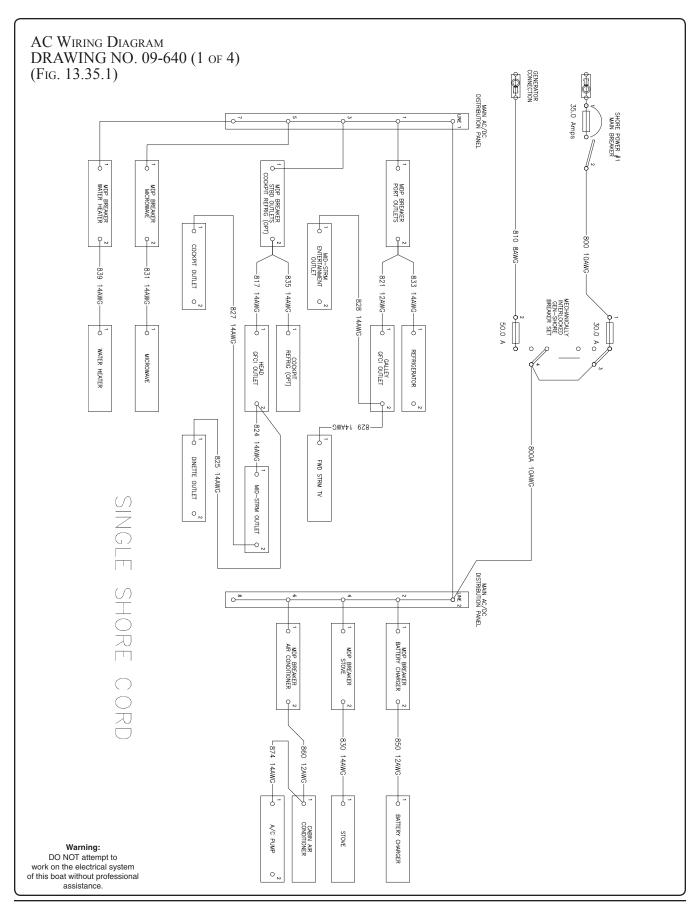


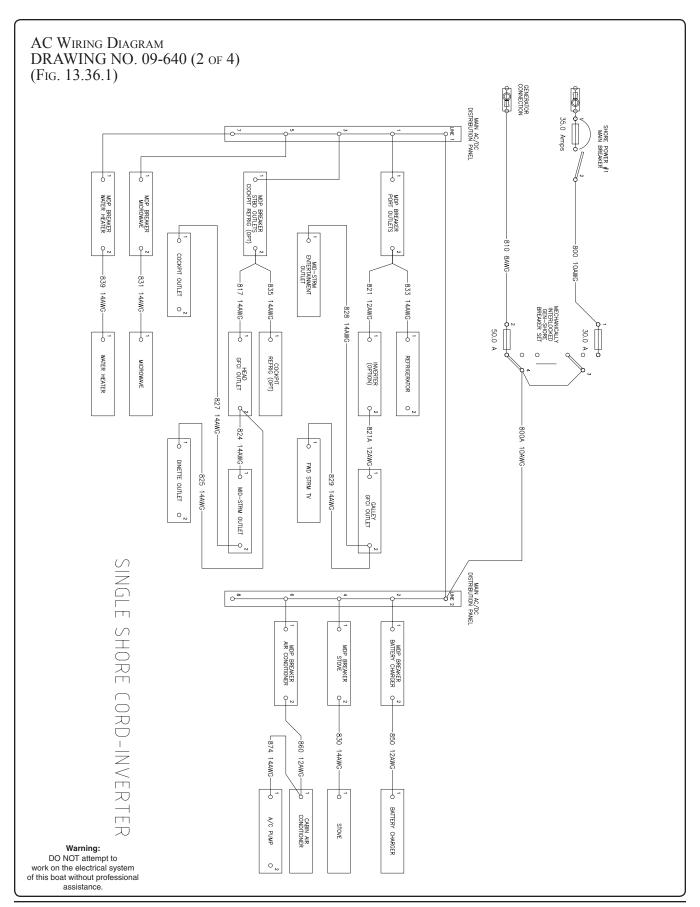


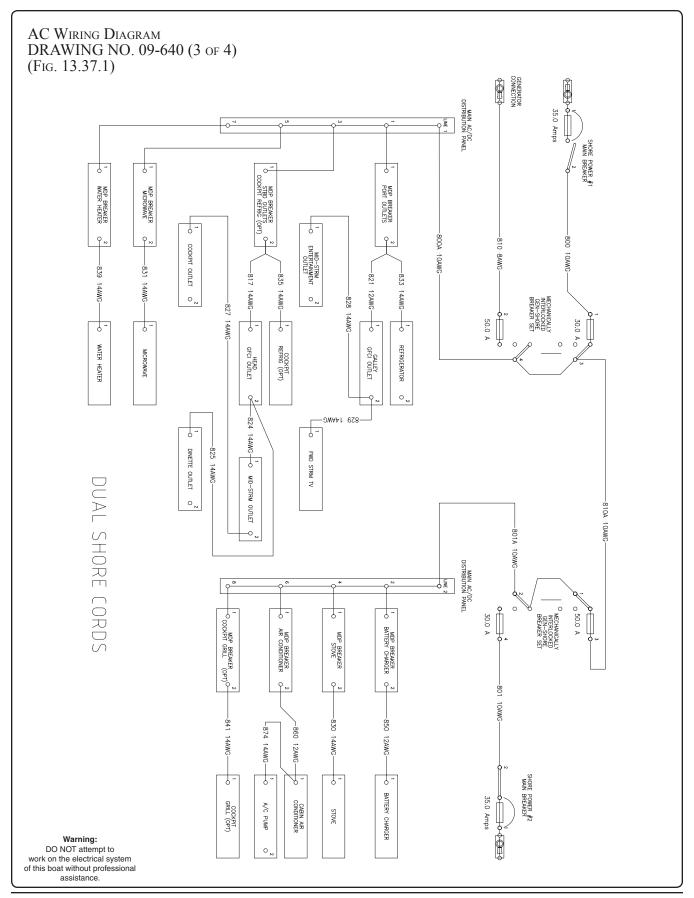


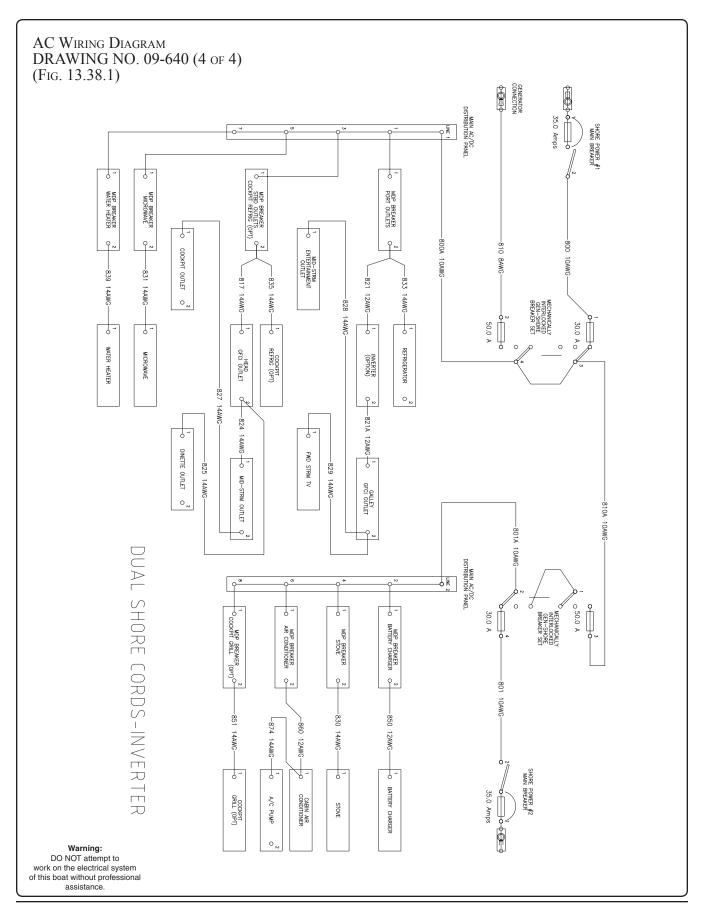


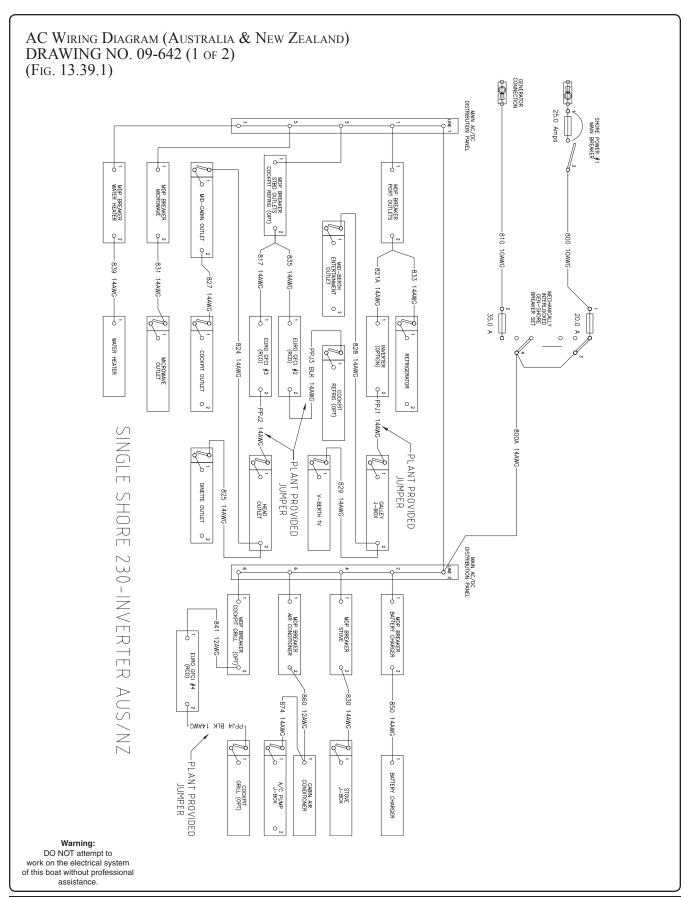


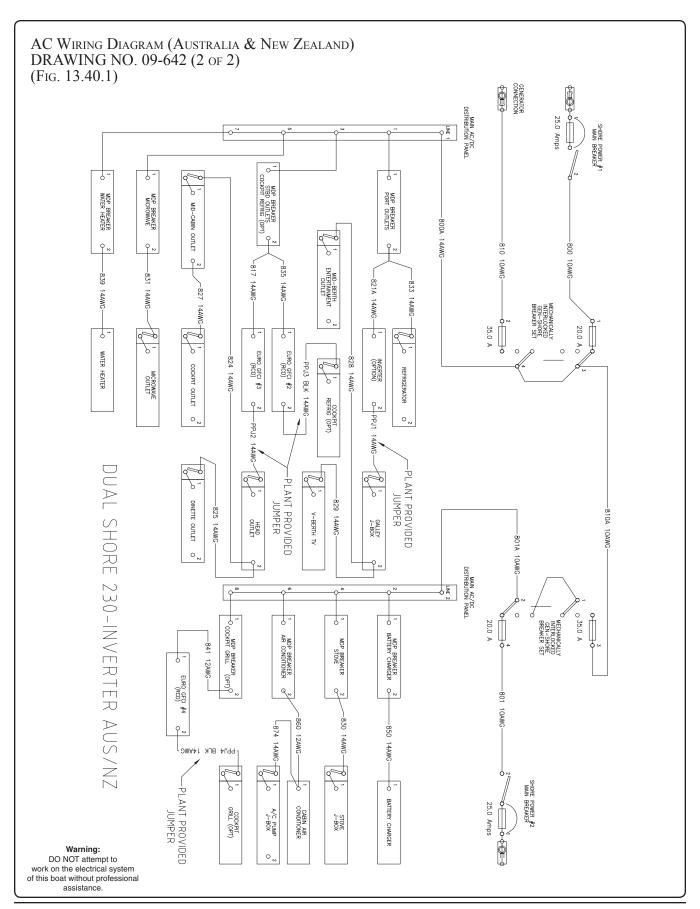




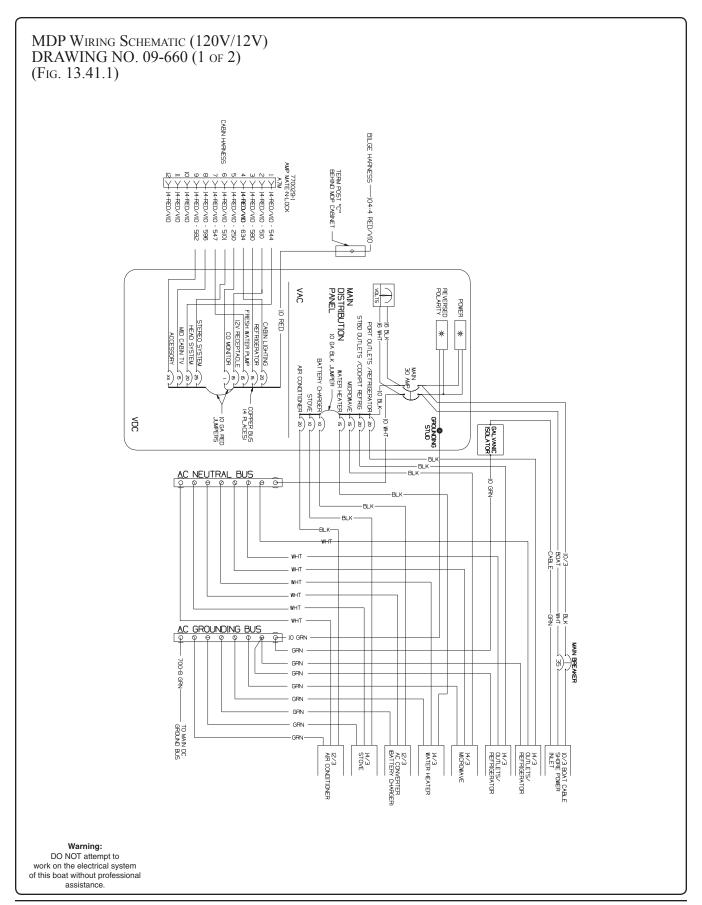


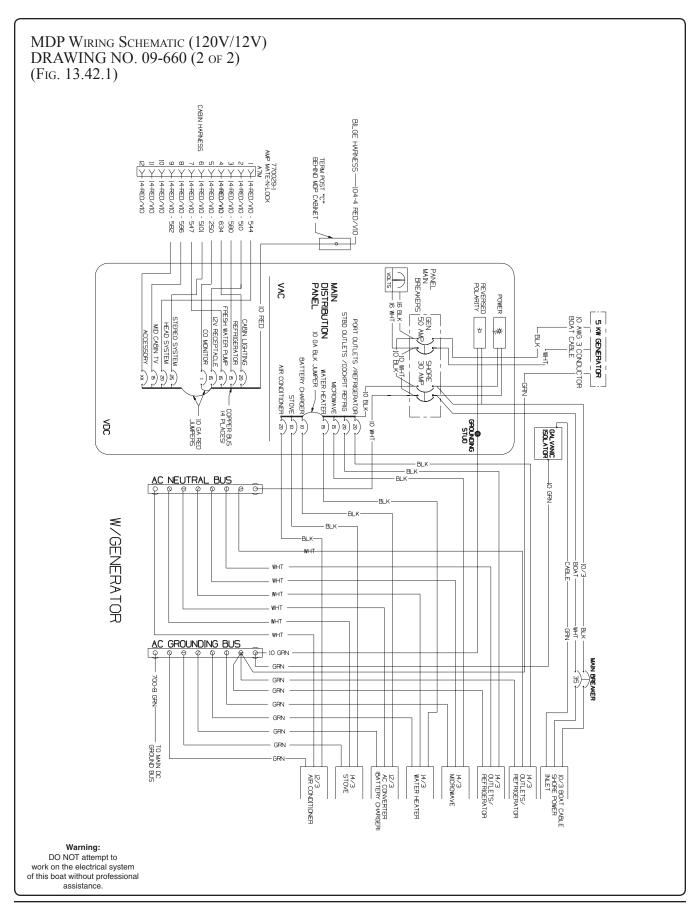




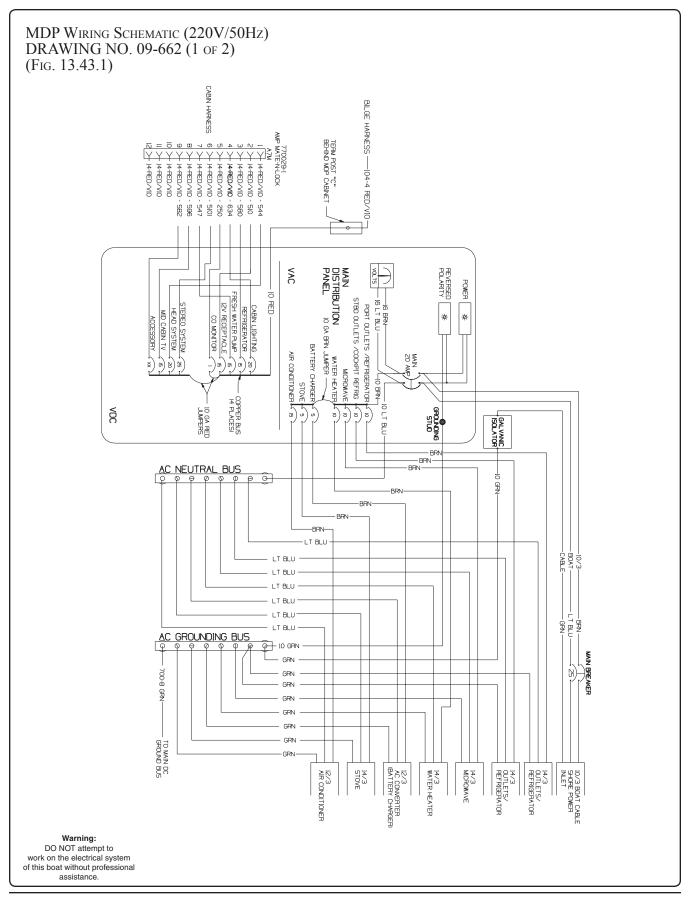


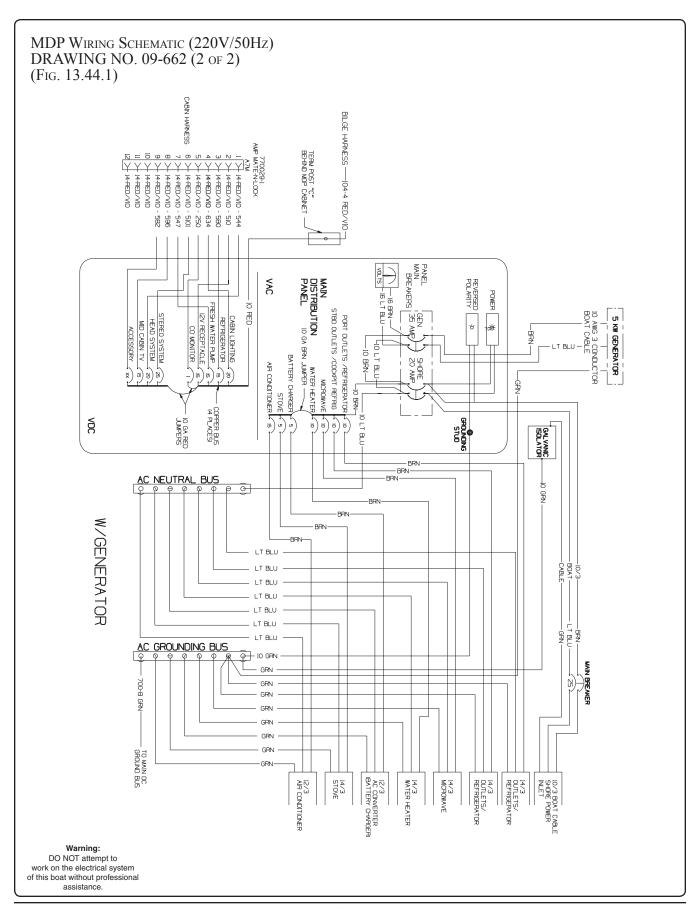
13.40



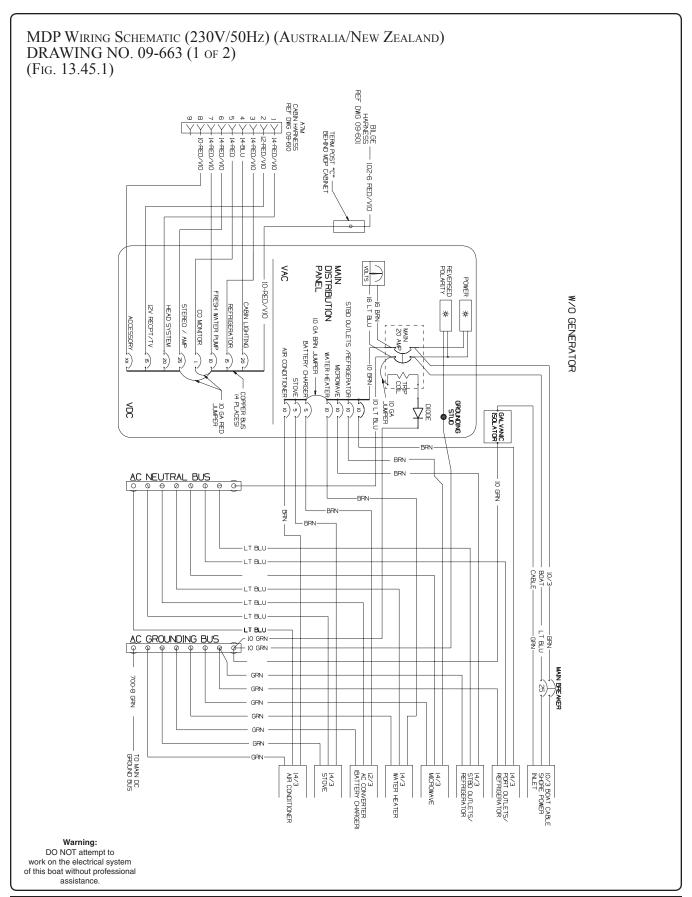


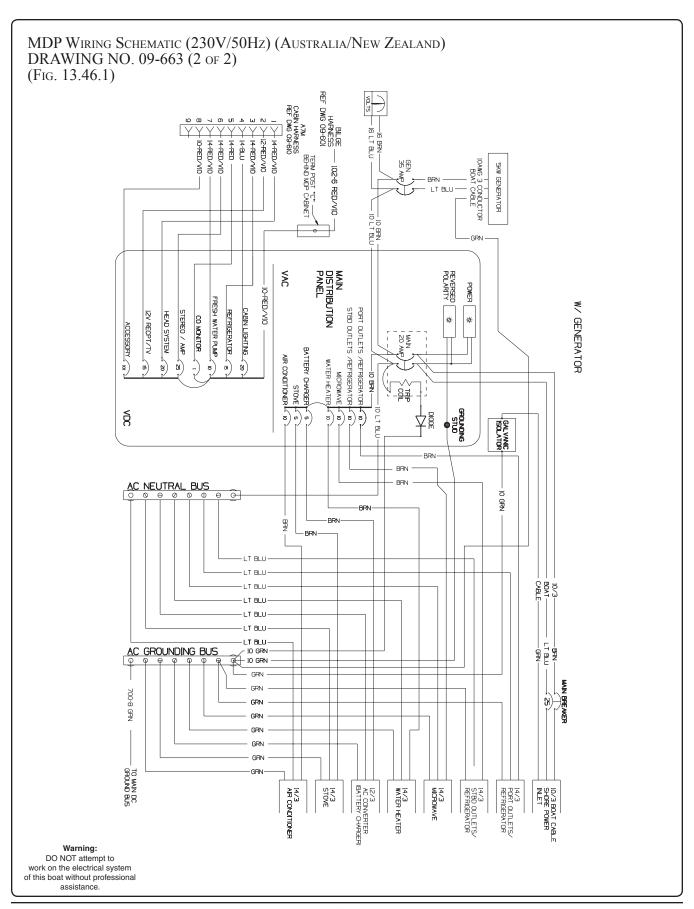
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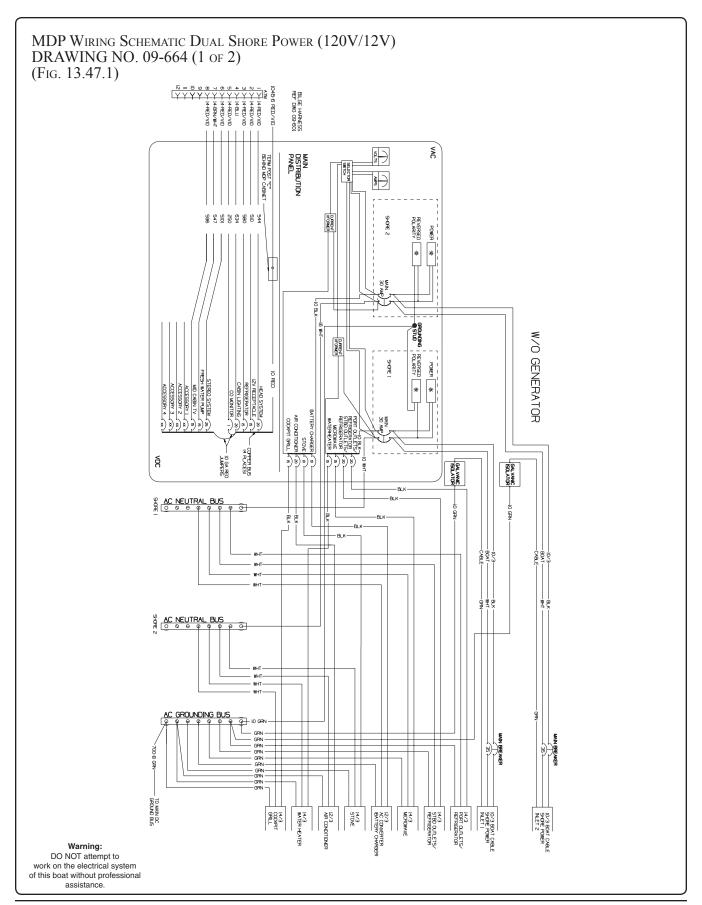


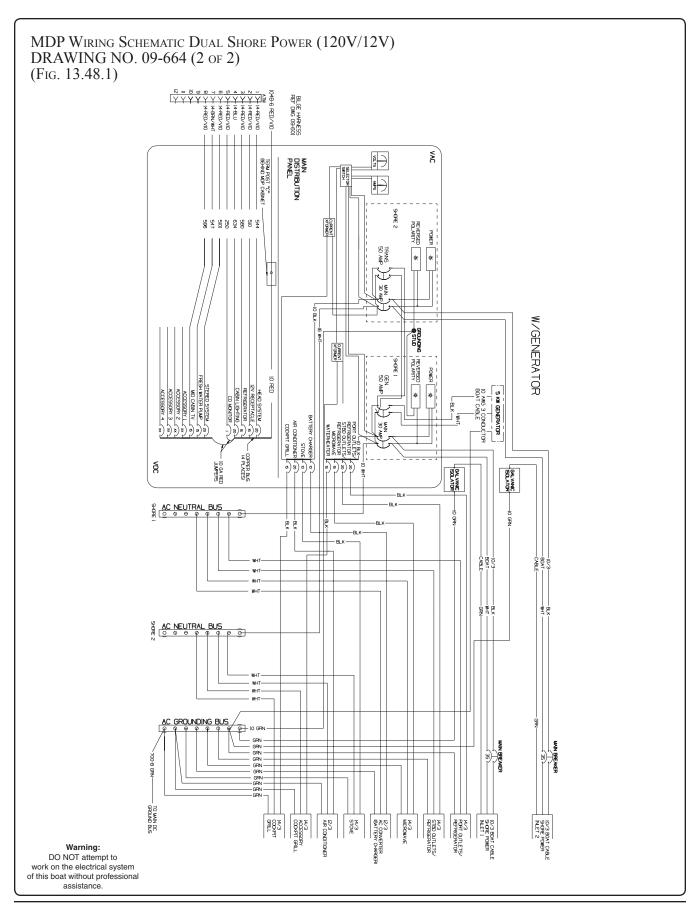


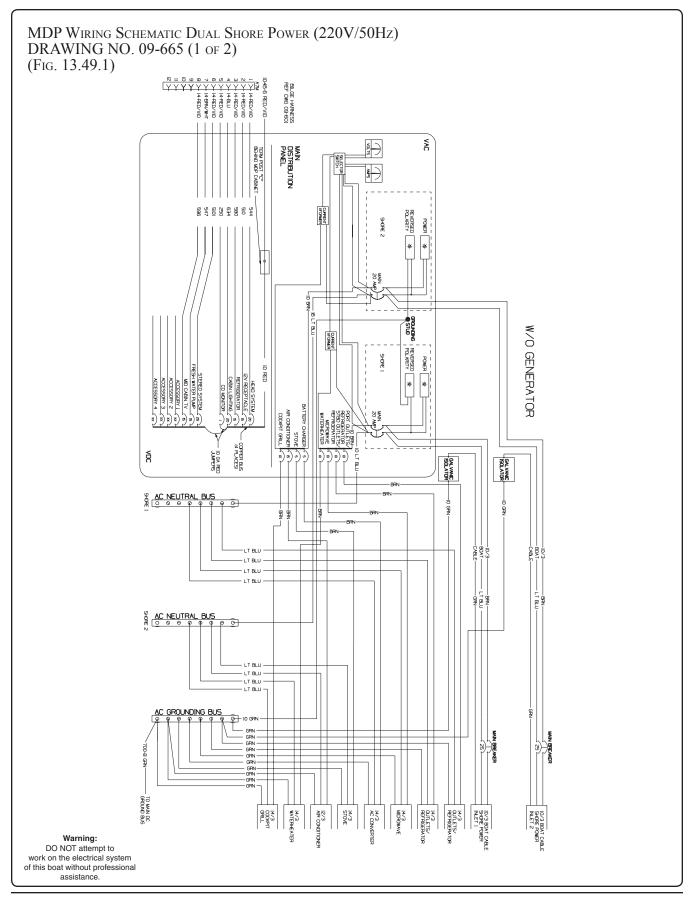
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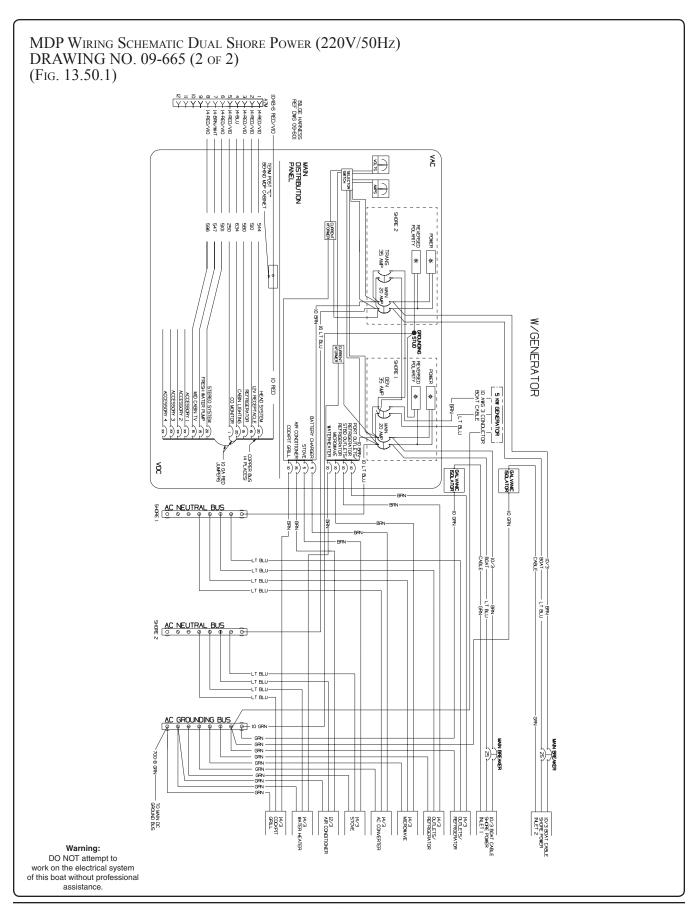




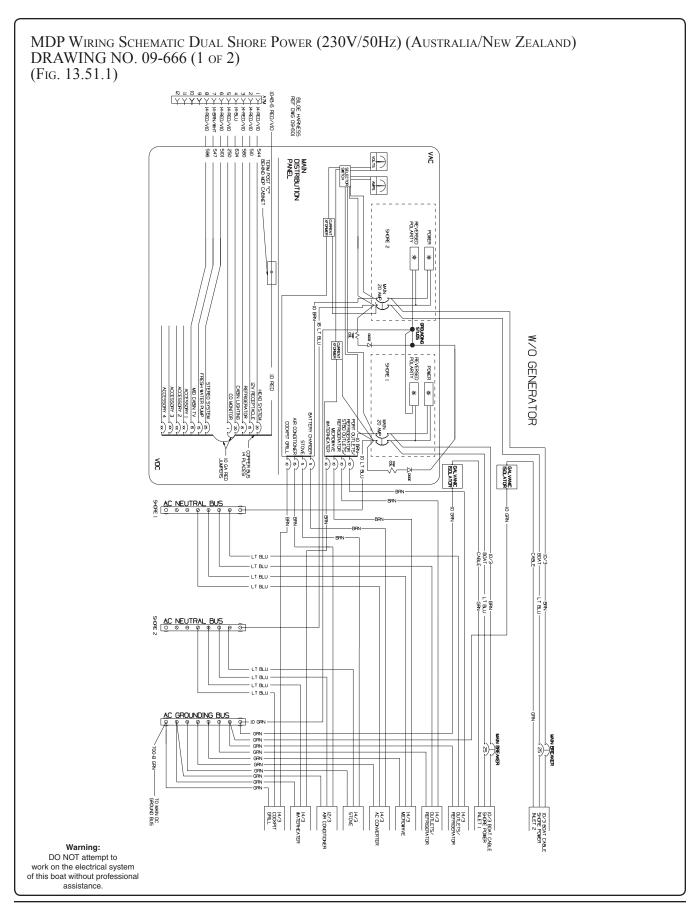


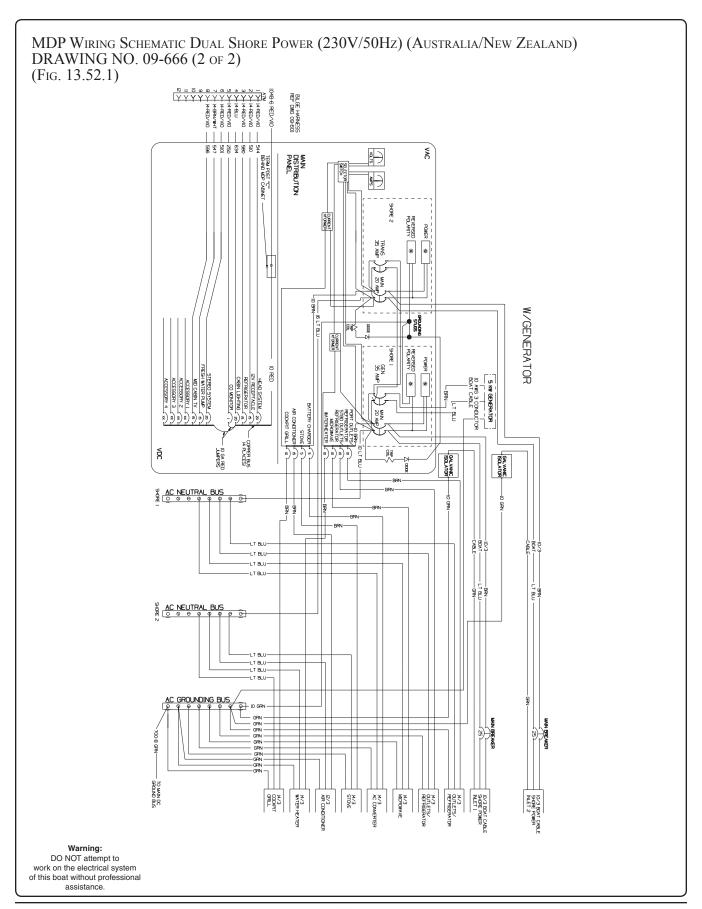


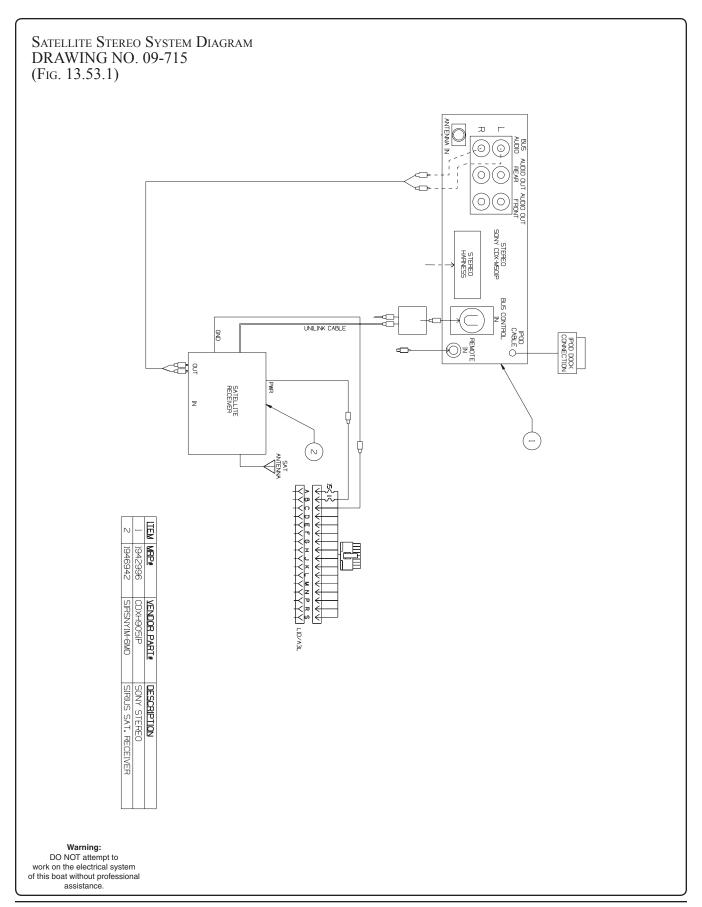
310 Sundancer®

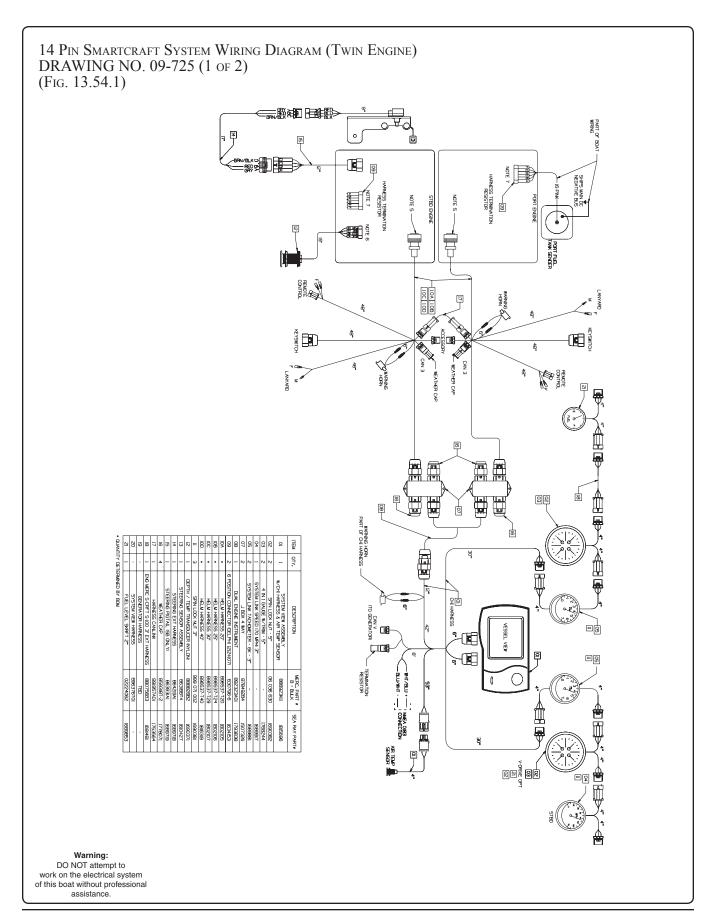


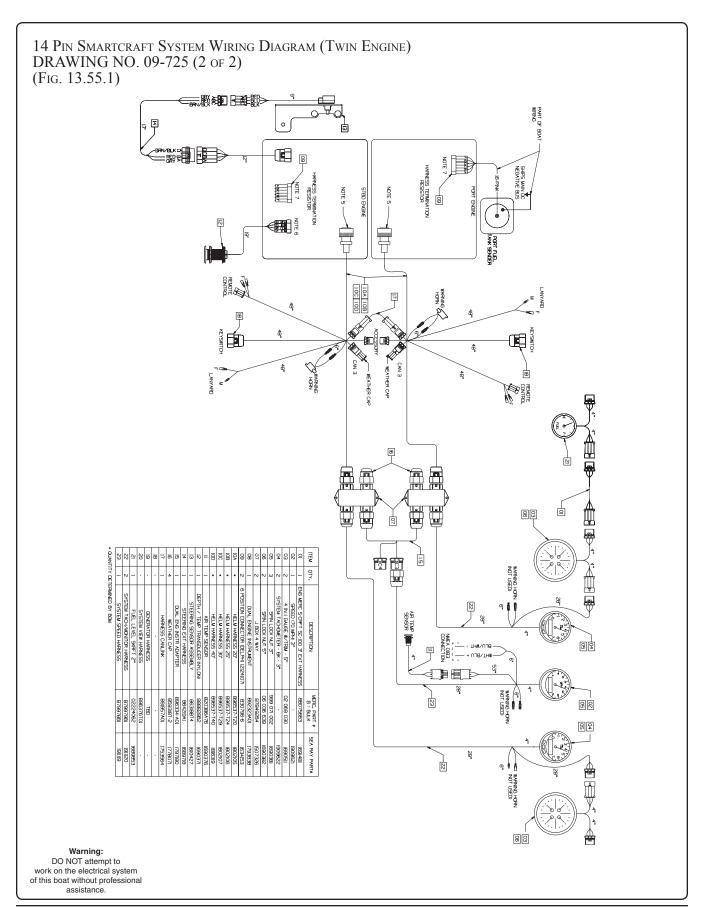
310 Sundancer®

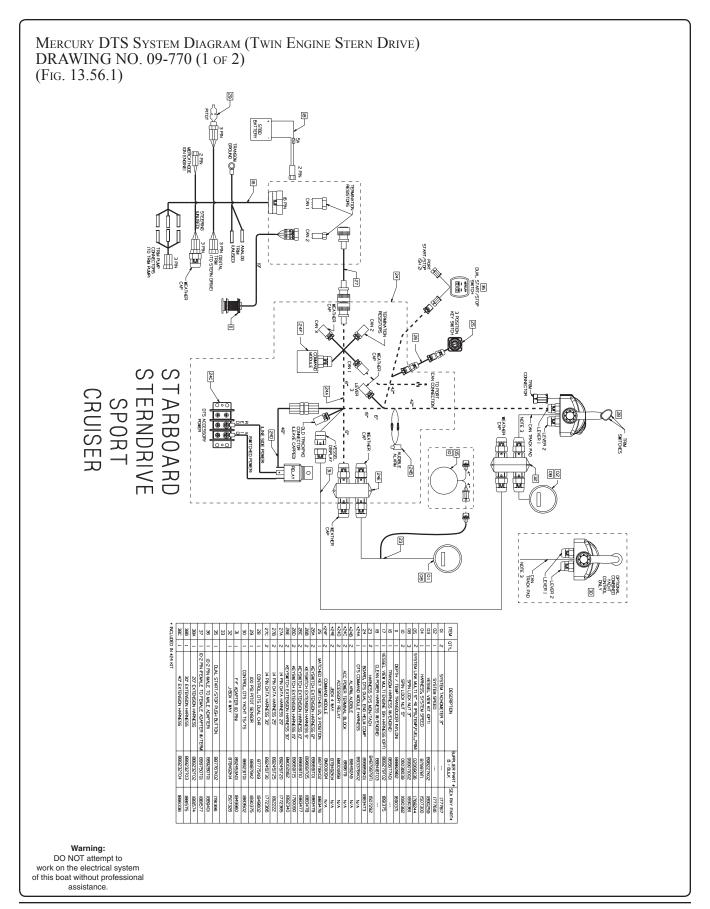












13.56

