

# F-27 PC WIRING, FUEL, AND PLUMBING DIAGRAMS

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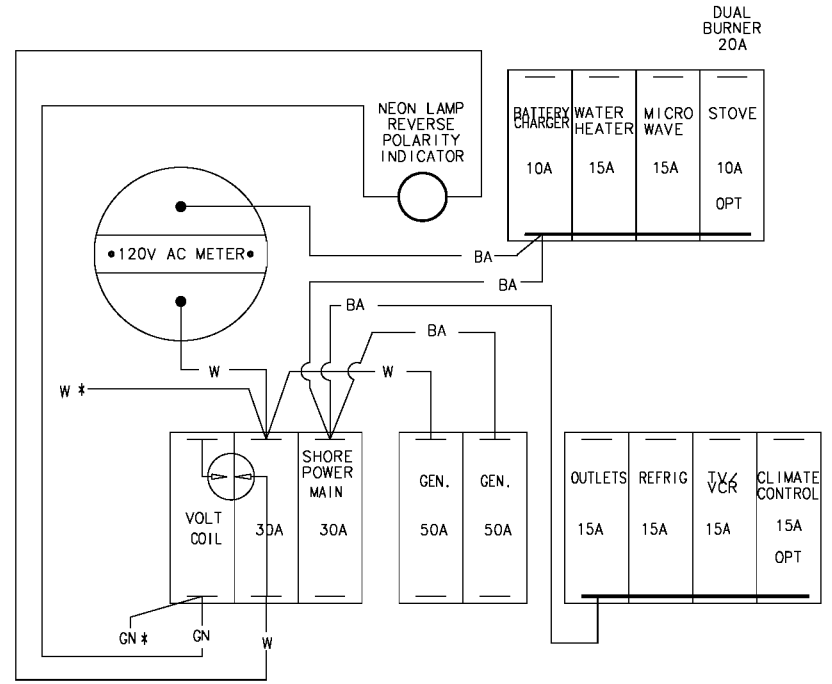
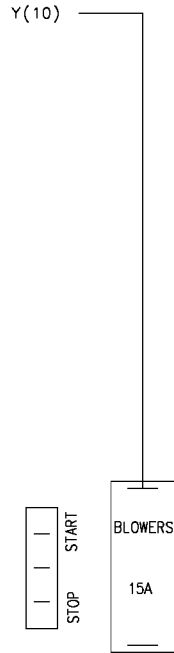
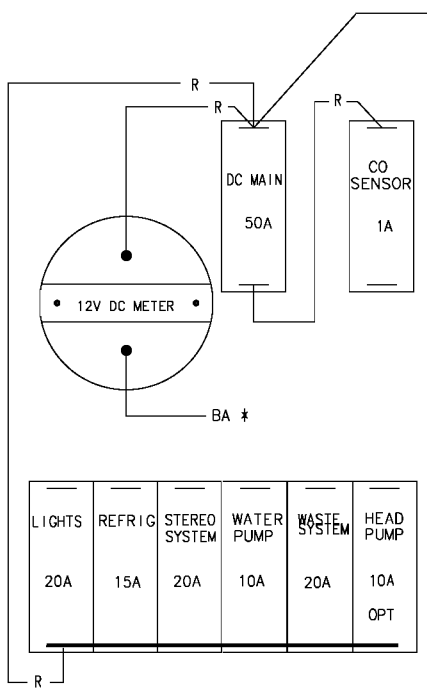
BONDING POINTS .....64
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## HARNESSES

120/220V AC _____	8143
DECK _____	8142
HULL _____	8145
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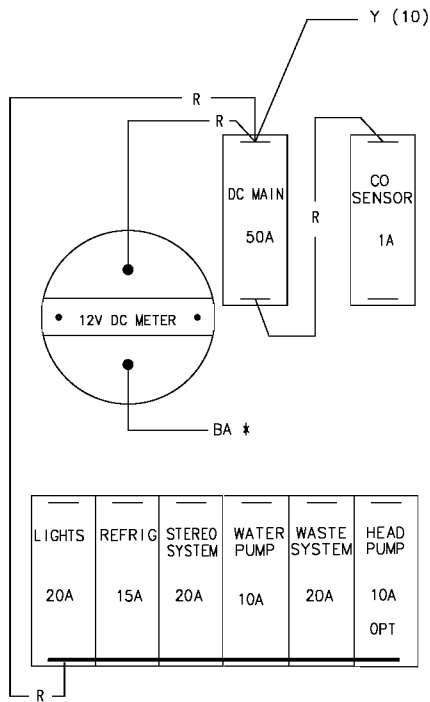
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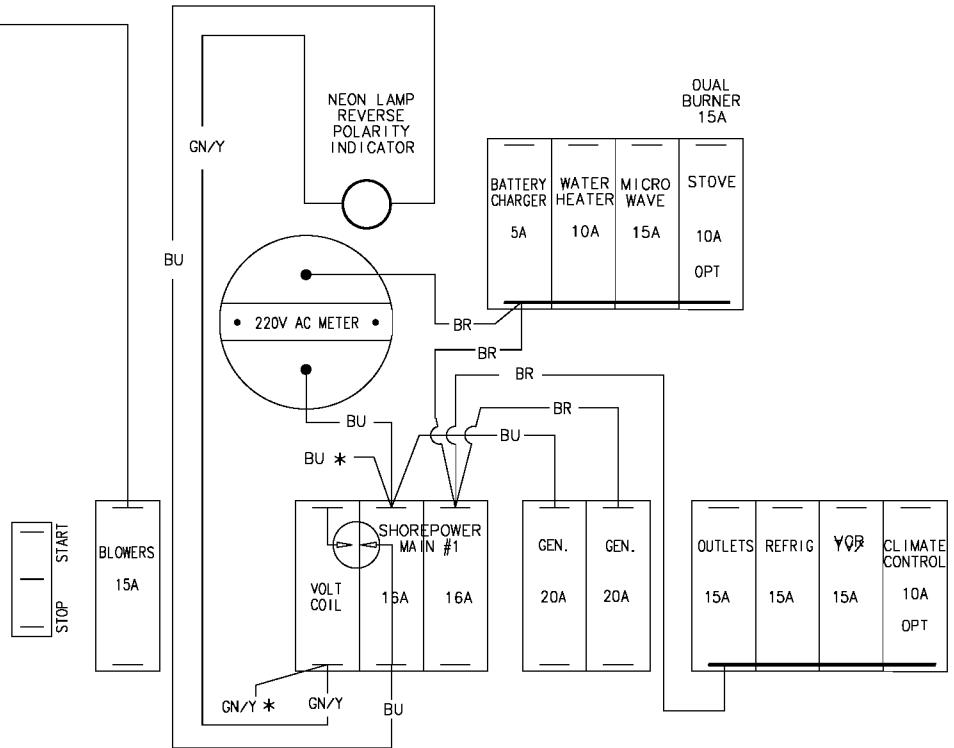


NOTE:  
THE AC HIGH VOLTAGE PANEL IS SEPERATE FROM THE DC LOW VOLTAGE PANEL. THEY ARE SHOWN HERE TOGETHER FOR SIMPLIFICATION.

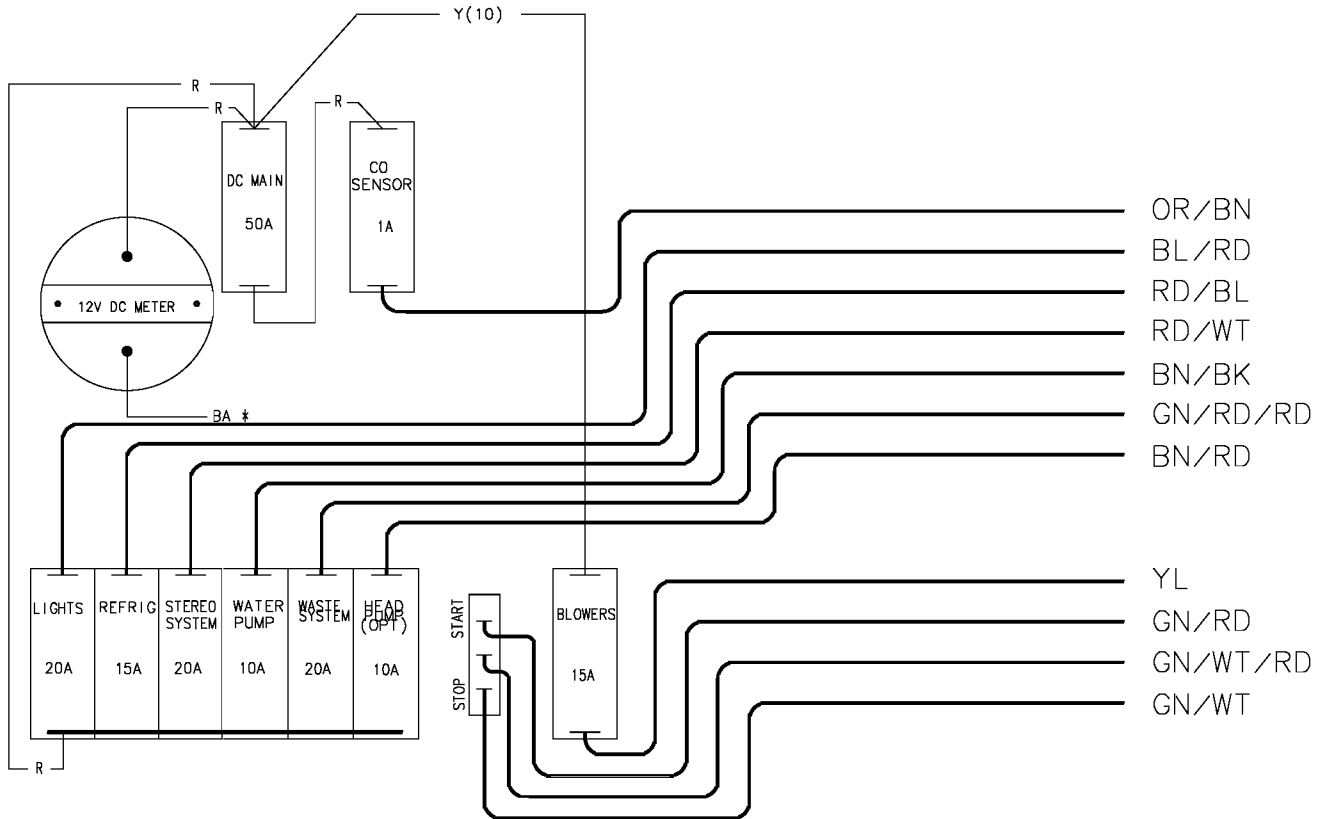
## DC (LOW VOLTAGE)



## AC (HIGH VOLTAGE)

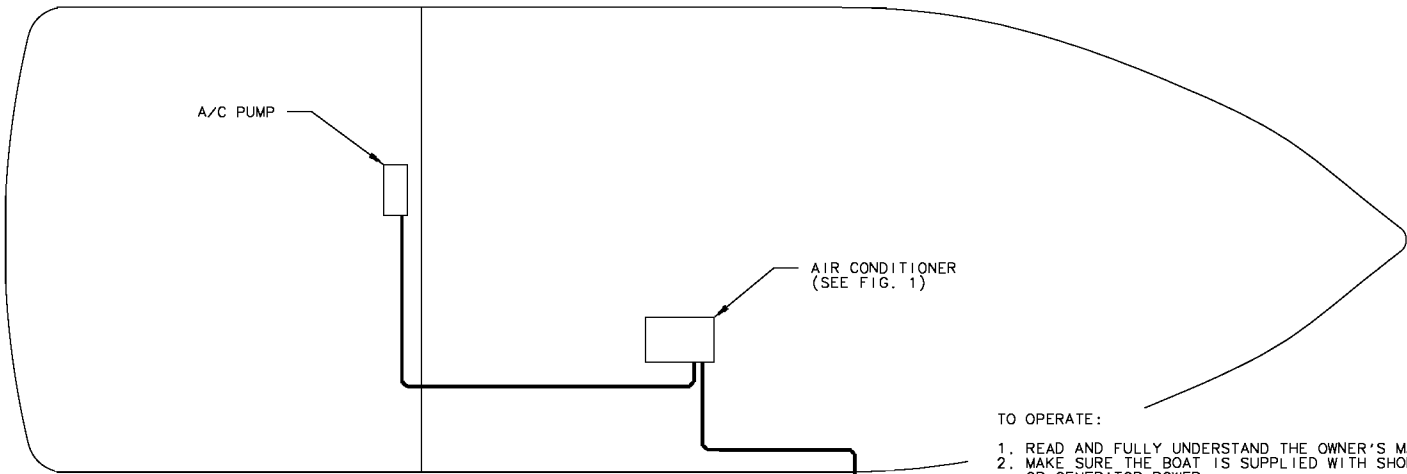
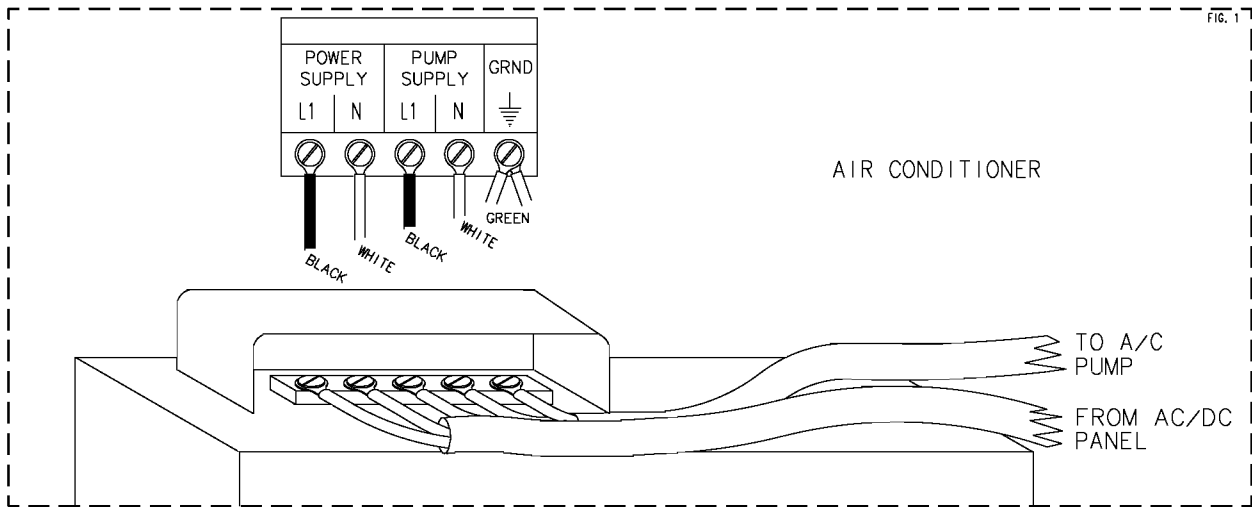


THE AC HIGH VOLTAGE PANEL IS A SEPERATE PANEL FROM THE DC LOW VOLTAGE PANEL. IT IS SHOWN HERE TOGETHER FOR SIMPLIFICATION.



# LEGEND

BREAKER PANEL 



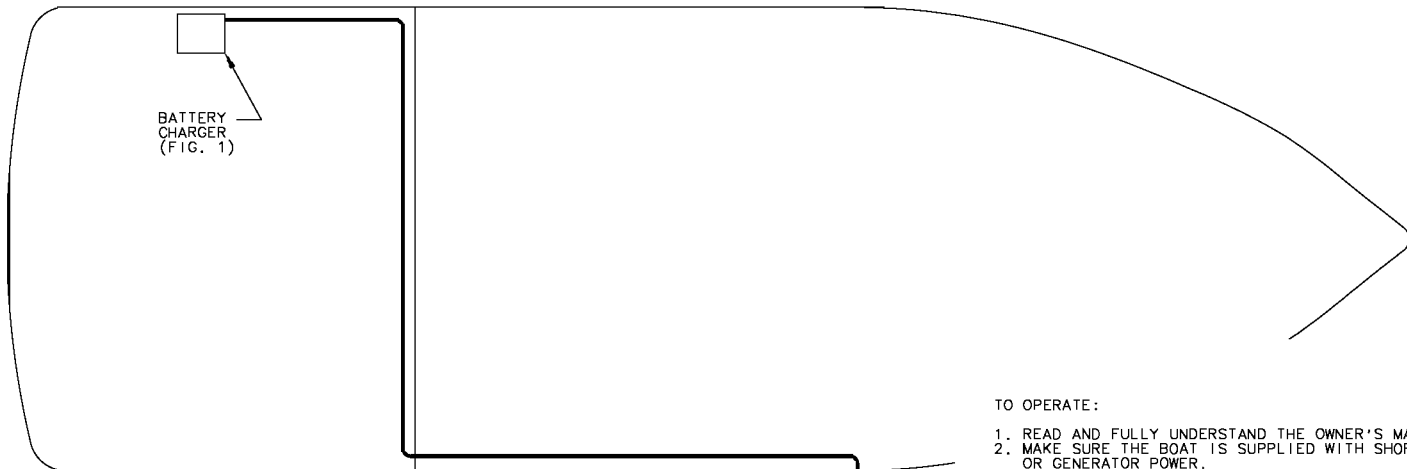
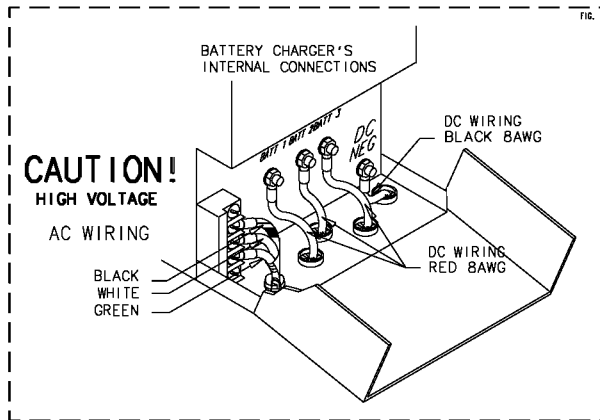
AC/DC PANEL  
120V/15A BREAKER  
220V/10A BREAKER  
(SEE PAGES 2 & 3)

**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.  
(SEE GENERATOR PAGE 7)  
(SEE SHOREPOWER PAGE 9)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "CLIMATE CONTROL" BREAKER TO "ON".
4. THE AIR CONDITIONER IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

# LEGEND

BREAKER SWITCH



BATTERY CHARGER  
(FIG. 1)

AC/DC PANEL  
120V/10A BREAKER  
220V/5A BREAKER  
(SEE PAGES 2 & 3)

### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.  
(SEE GENERATOR PAGE 7)  
(SEE SHOREPOWER PAGE 9)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "CHARGER" BREAKER TO "ON".
4. CHECK FACE OF BATTERY CHARGER FOR "DC AVAILABLE" LIGHT.



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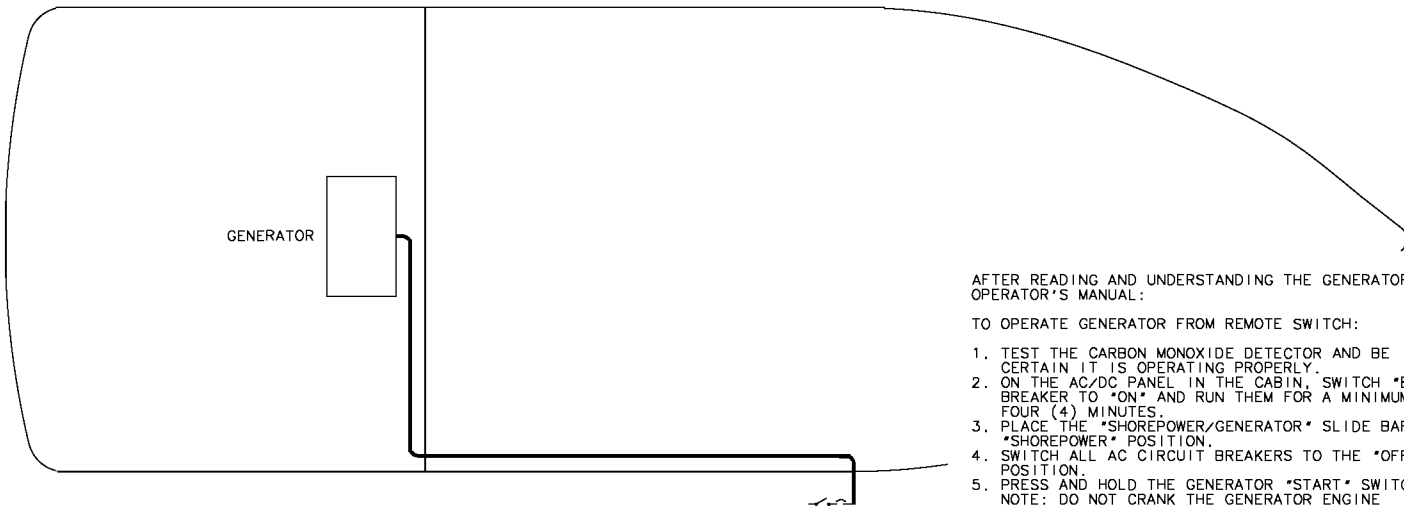
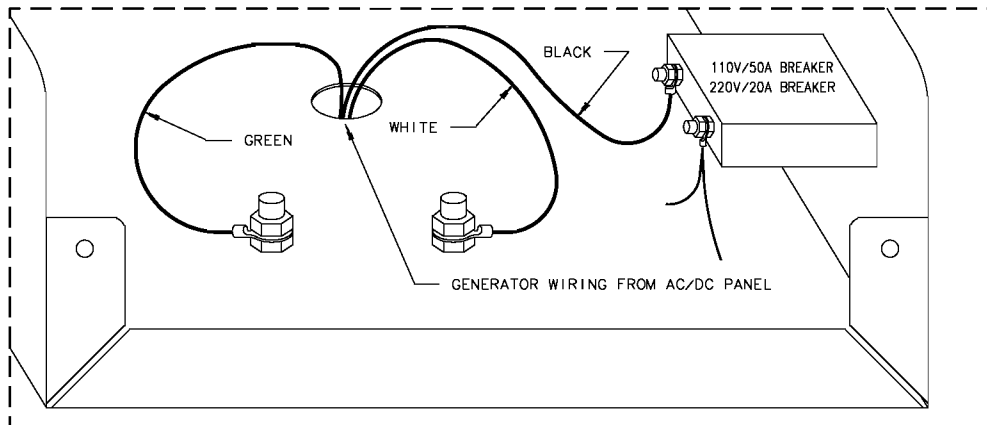
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**BATTERY  
CHARGER**

PAGE  
6

# LEGEND

BREAKER SWITCH



GENERATOR

AC/DC PANEL  
120V/50A BREAKER  
220V/20A BREAKER  
(SEE PAGES 2 & 3)

AFTER READING AND UNDERSTANDING THE GENERATOR OPERATOR'S MANUAL:

TO OPERATE GENERATOR FROM REMOTE SWITCH:

1. TEST THE CARBON MONOXIDE DETECTOR AND BE CERTAIN IT IS OPERATING PROPERLY.
2. ON THE AC/DC PANEL IN THE CABIN, SWITCH "BLOWERS" BREAKER TO "ON" AND RUN THEM FOR A MINIMUM OF FOUR (4) MINUTES.
3. PLACE THE "SHOREPOWER/GENERATOR" SLIDE BAR IN THE "SHOREPOWER" POSITION.
4. SWITCH ALL AC CIRCUIT BREAKERS TO THE "OFF" POSITION.
5. PRESS AND HOLD THE GENERATOR "START" SWITCH.  
NOTE: DO NOT CRANK THE GENERATOR ENGINE CONTINUOUSLY FOR MORE THAN TEN (10) SECONDS AT A TIME.
6. AFTER THE GENERATOR IS "RUNNING", PLACE THE SLIDE BAR IN THE "GENERATOR" POSITION.
7. SWITCH THE AC CIRCUIT BREAKERS TO "ON" (ONE AT A TIME) FOR ITEMS TO BE USED.



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GENERATOR

PAGE

7

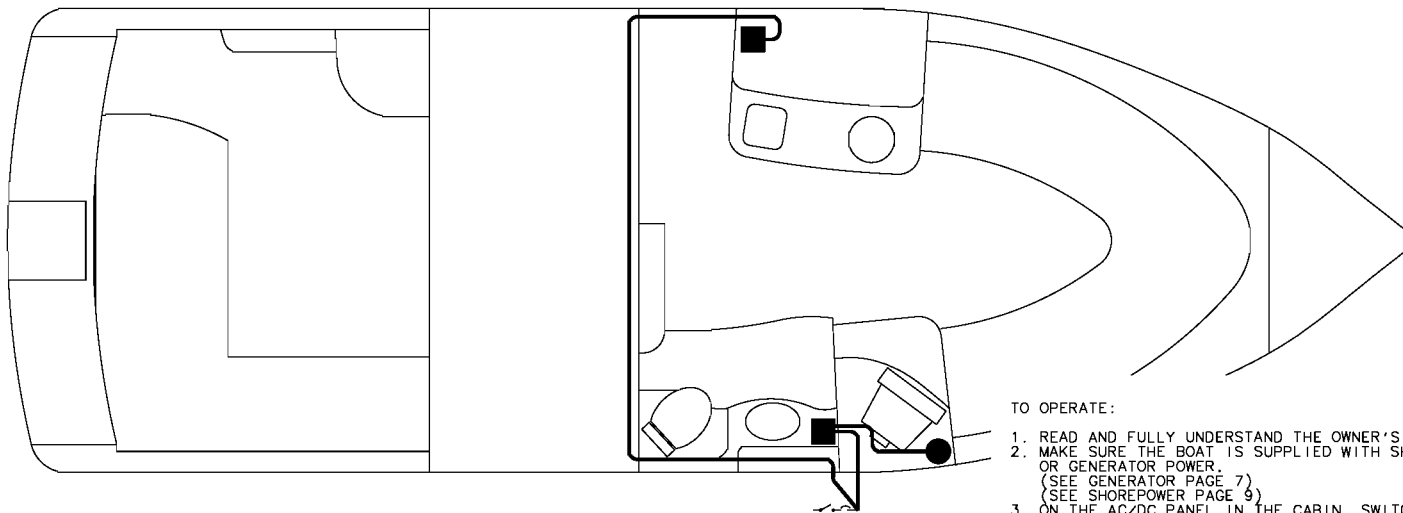
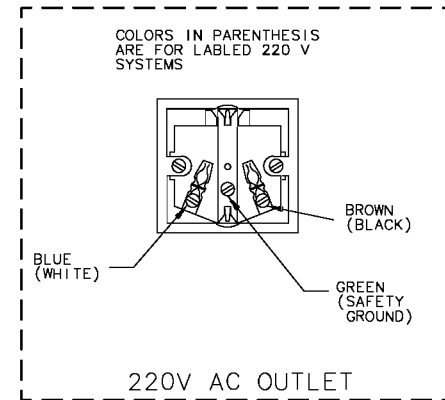
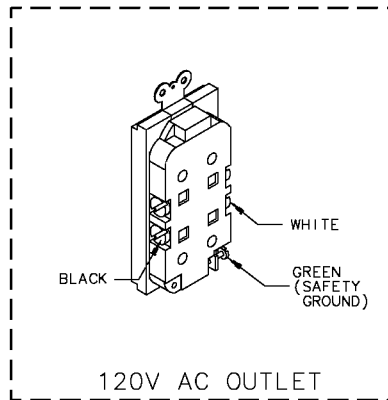
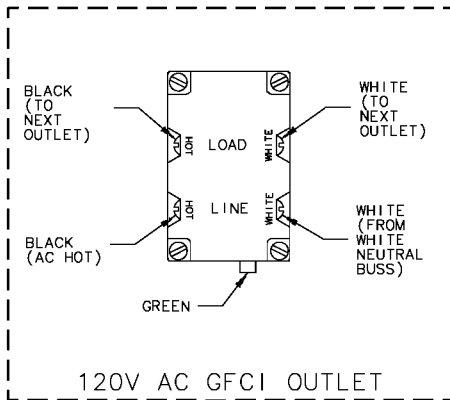


# LEGEND

BREAKER SWITCH 

GFCI OUTLET 

OUTLET 



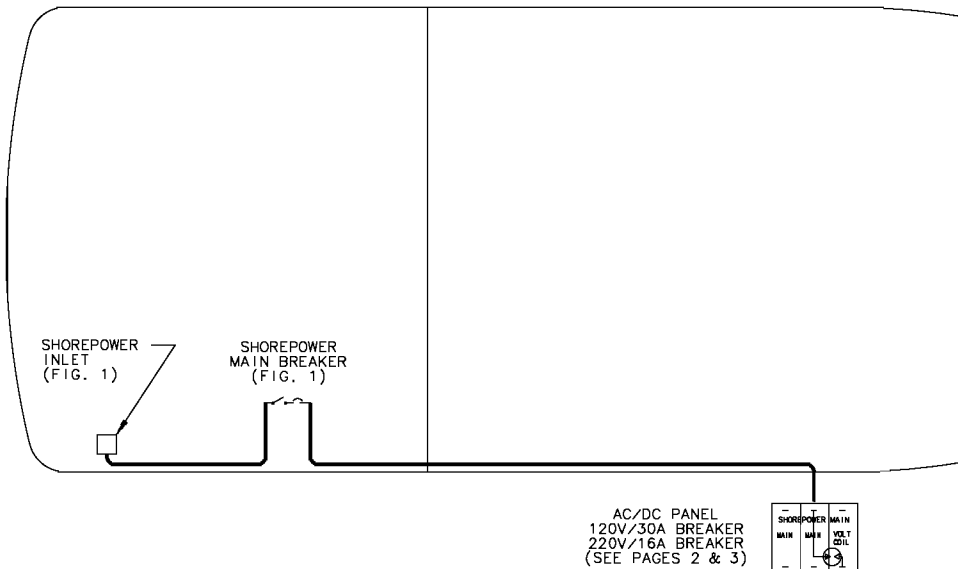
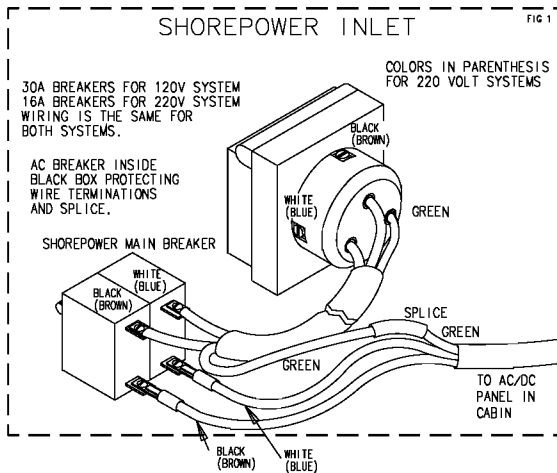
**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER. (SEE GENERATOR PAGE 7) (SEE SHOREPOWER PAGE 9)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "OUTLETS" BREAKER TO "ON".
4. THE OUTLETS ARE NOW SUPPLIED WITH POWER AND READY TO OPERATE.

AC/DC PANEL  
120V/15A BREAKER  
220V/15A BREAKER  
(SEE PAGES 2 & 3)

# LEGEND

BREAKER  
PANEL



(READ THIS COMPLETELY BEFORE OPERATING)  
TO OPERATE:

- BEFORE PLUGGING INTO SHOREPOWER, SWITCH ALL BREAKERS ON THE AC/DC PANEL IN THE CABIN TO "OFF". SWITCH THE SHOREPOWER MAIN BREAKER, BEHIND THE COCKPIT AFT LOUNGE SEAT (STBD SIDE), TO "OFF".
- PLUG BOAT'S SHOREPOWER CORD INTO SHOREPOWER.
- SWITCH SHOREPOWER MAIN BREAKER, BEHIND THE COCKPIT AFT LOUNGE SEAT (STBD SIDE), TO "ON".
- ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "SHOREPOWER MAIN" BREAKER TO "ON".

## WARNING! :

- IF REVERSED POLARITY LIGHT IS ILLUMINATED:
- DO NOT TOUCH ELECTRICAL APPLIANCES.
  - LEAVE BOAT IMMEDIATELY.
  - DISCONNECT ALL SHOREPOWER.
  - CONTACT MARINA TO HAVE SHOREPOWER TESTED FOR REVERSED POLARITY.
  - CONTACT FORMULA'S TECHNICAL ASSISTANCE GROUP FOR ADDITIONAL HELP.
- WHEN THE SHOREPOWER MAIN BREAKER IS "ON", AND NO REVERSE POLARITY LIGHT IS ILLUMINATED, ALL AC EQUIPMENT BREAKERS ARE SUPPLIED WITH POWER.
  - THE EQUIPMENT IS OPERATIONAL WHEN THE BREAKER BEARING ITS NAME IS "ON".

# LEGEND

BREAKER  
SWITCH



AC/DC PANEL  
120V/15A BREAKER  
220V/10A BREAKER  
(SEE PAGES 2 & 3)

## TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.  
(SEE GENERATOR PAGE 7)  
(SEE SHOREPOWER PAGE 9)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "STOVE" BREAKER TO "ON".
4. THE STOVE IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.



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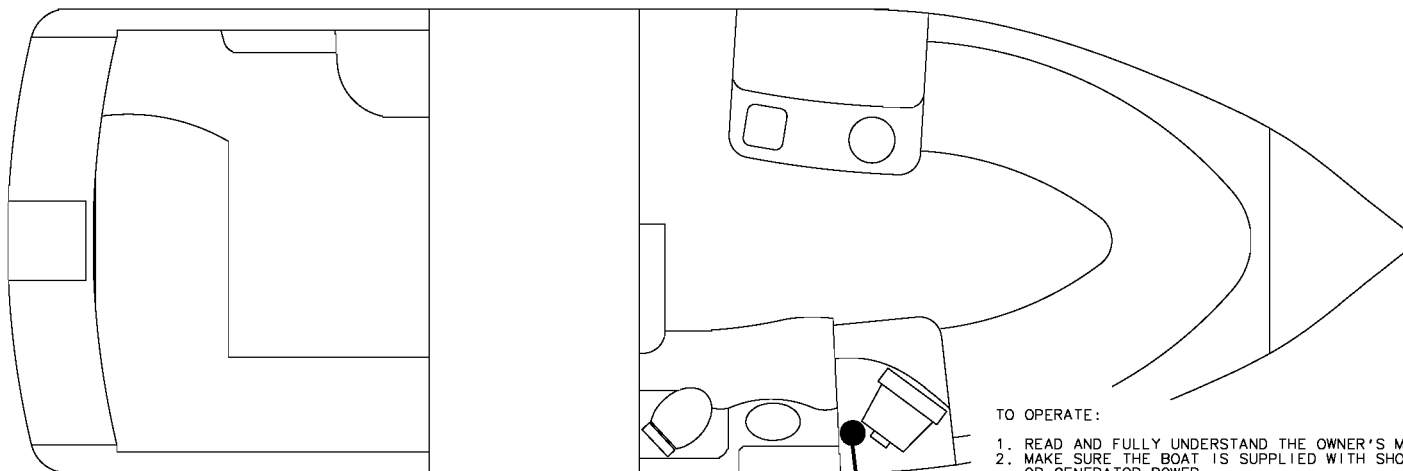
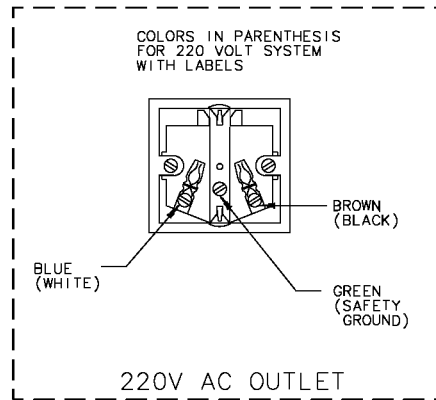
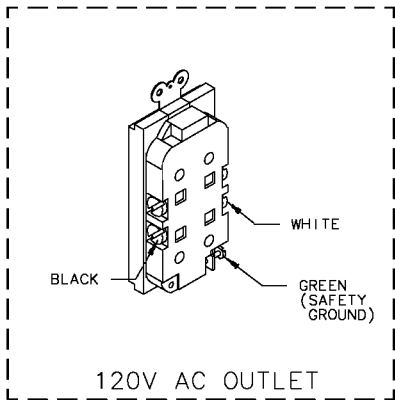
STOVE

PAGE  
10

# LEGEND

BREAKER SWITCH 

OUTLET 



AC/DC PANEL  
120V/15A BREAKER  
220V/15A BREAKER  
(SEE PAGES 2 & 3)

### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.  
(SEE GENERATOR PAGE 7)  
(SEE SHOREPOWER PAGE 9)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "TV/VCR" BREAKER TO "ON".
4. THE TV/VCR IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

# LEGEND

BREAKER SWITCH

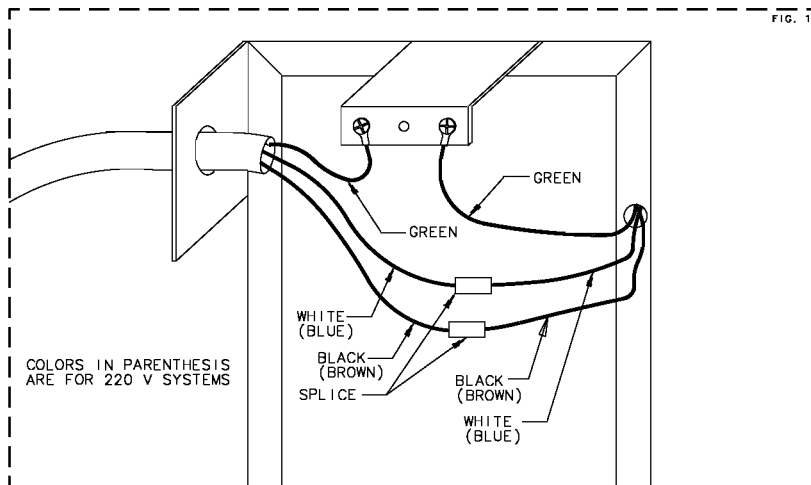
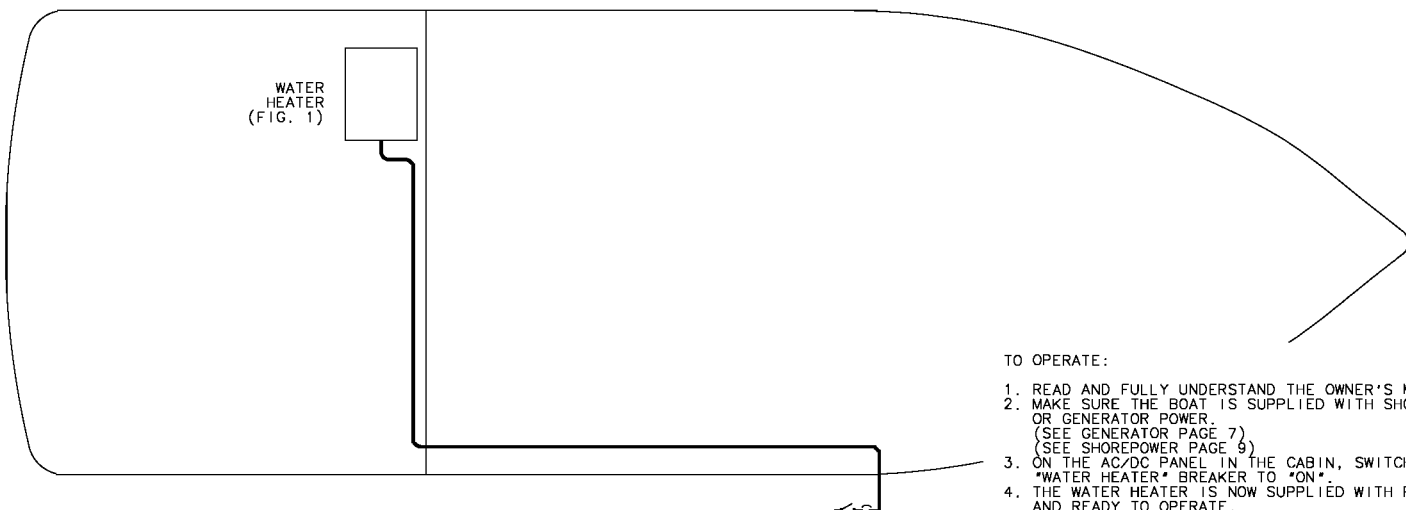


FIG. 1



**TO OPERATE:**

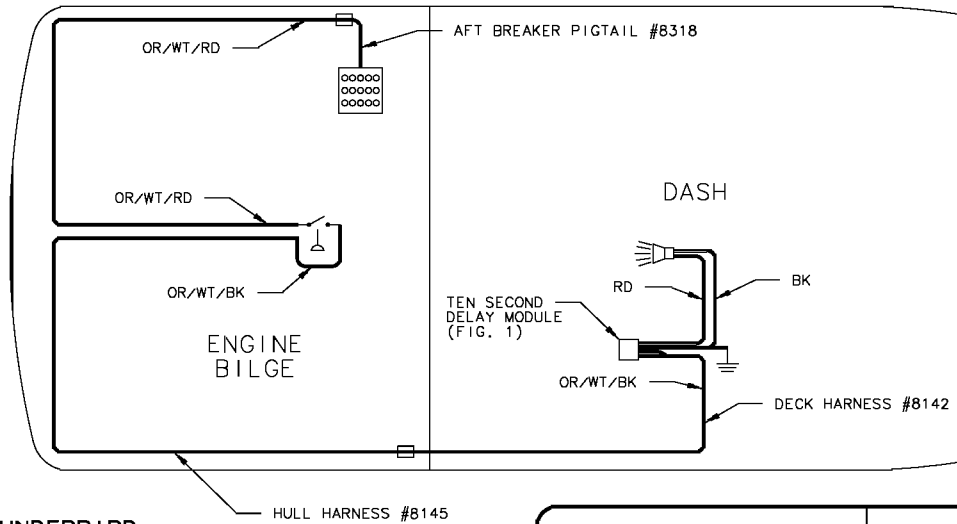
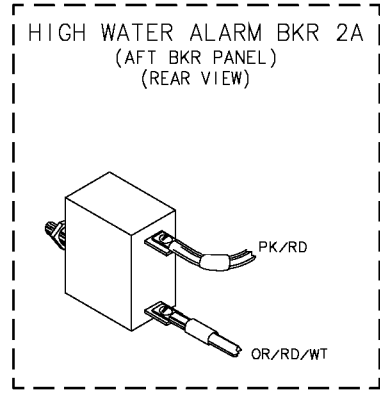
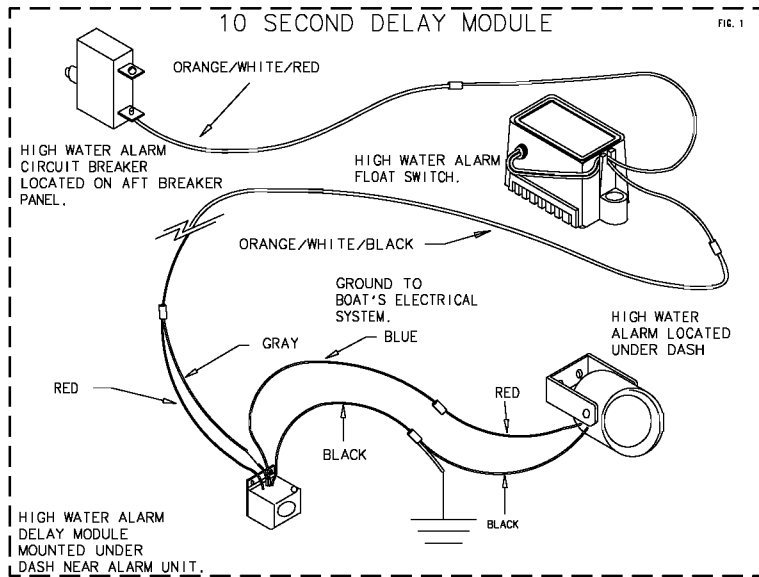
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER. (SEE GENERATOR PAGE 7) (SEE SHOREPOWER PAGE 9)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "WATER HEATER" BREAKER TO "ON".
4. THE WATER HEATER IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

**CAUTION! :** BE SURE THE BOAT IS SUPPLIED WITH WATER IN THE FRESH WATER TANK.



# LEGEND

BREAKER PANEL	
FLOAT SWITCH	
SIREN	
PLUG	
DC GROUND	



**TO OPERATE:**

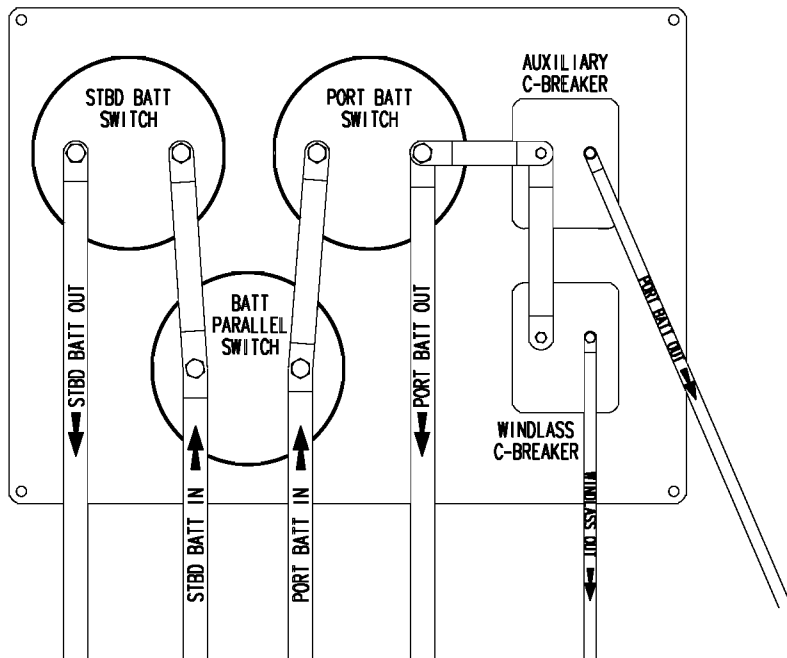
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. ON THE AFT BREAKER PANEL, UNDER THE WET BAR, THE "HIGH WATER ALARM" BREAKER MUST BE PUSHED IN (CLOSED).

NOTE: THE AUX. BATTERY SELECTOR SWITCH DOES NOT NEED TO BE "ON" FOR THE HIGH WATER ALARM TO WORK.

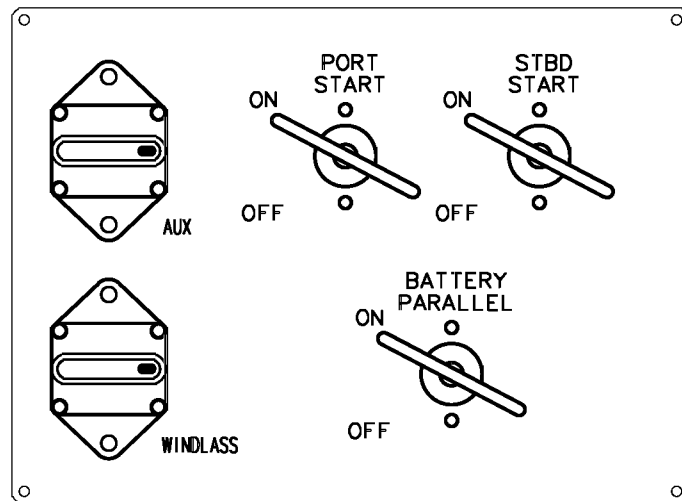
**WHEN THE ALARM SOUNDS:**

1. OPEN THE ENGINE HATCH AND CHECK AREA FOR WATER.
2. CHECK CABIN AREA FOR WATER.
3. DETERMINE THAT BILGE PUMPS ARE OPERATING PROPERLY.
4. CALL FOR ASSISTANCE IF NECESSARY.

## REAR VIEW



## FRONT VIEW



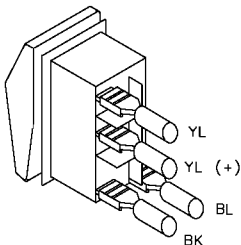
### TO OPERATE:

1. THE "BATTERY PARALLEL" SWITCH IS FOR EMERGENCY STARTING/ CONDITIONS ONLY. IT SHOULD BE KEPT IN THE "OFF" POSITION UNLESS NEEDED.
2. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
3. LOCATE THE BATTERY SWITCH PANEL, MOUNTED UNDER THE "WET BAR", ON THE PORT SIDE OF THE COCKPIT.
4. TURN THE "BATTERY PARALLEL" SWITCH (RED HANDLE) TO THE "ON" POSITION.
5. AT THIS TIME, BOTH BATTERY BANKS ARE ELECTRICALLY TIED TOGETHER AND WILL OPERATE AS ONE SYSTEM.

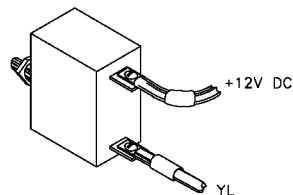
# LEGEND

BREAKER PANEL	
BLOWER	
SWITCH	
PLUG	
DC GROUND	

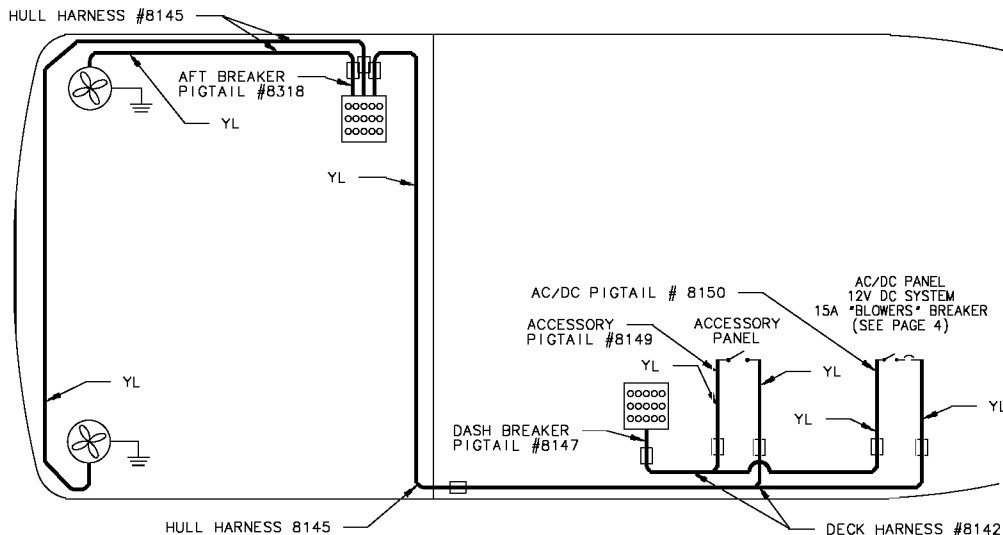
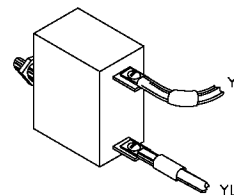
BLOWER SWITCH  
(ACCESSORY PANEL)  
(REAR VIEW)



BILGE BLOWERS BKR 15A  
(DASH BKR PANEL)  
(REAR VIEW)



(2) BLOWER BKR 5A  
(AFT BKR PANEL)  
(REAR VIEW)



## WARNING!

GASOLINE VAPORS CAN EXPLODE. BEFORE STARTING ENGINES:  
 - CHECK ENGINE BILGE FOR GASOLINE VAPORS.  
 - OPERATE BLOWERS FOR 4 MINUTES.  
 ALWAYS RUN BLOWERS WHEN BELOW CRUISING SPEED.

## TO OPERATE:

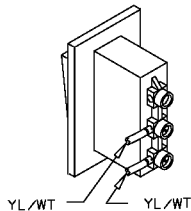
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BILGE BLOWERS" BREAKER MUST BE PUSHED IN (CLOSED).
4. ON THE AFT BREAKER PANEL, BOTH "BLOWER" BREAKERS MUST BE PUSHED IN (CLOSED).
5. THE BLOWERS CAN NOW BE OPERATED BY THE "BLOWER" SWITCH ON THE ACCESSORY PANEL.
6. THE BLOWERS CAN ALSO BE OPERATED BY SWITCHING THE "BLOWERS" BREAKER TO "ON", ON THE AC/DC PANEL IN THE CABIN.



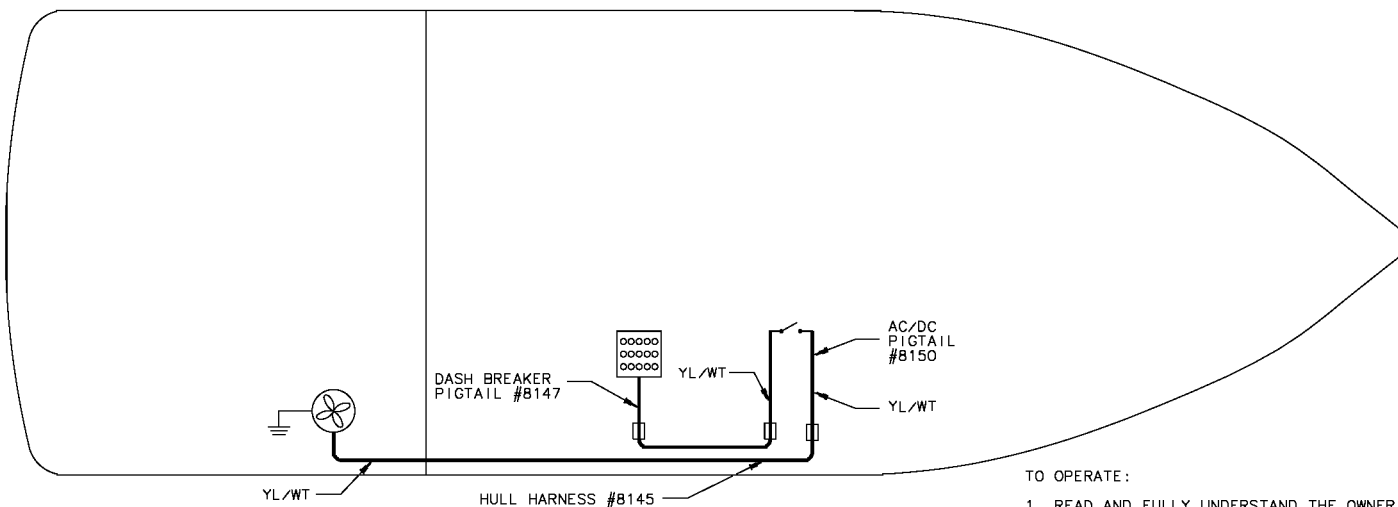
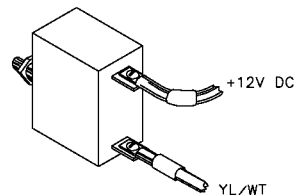
# LEGEND

BREAKER PANEL	
BLOWER	
SWITCH	
PLUG	
DC GROUND	

HEAD BLOWER SWITCH  
(HEAD)  
(REAR VIEW)



BLOWER BKR 5A  
(DASH BKR PANEL)  
(REAR VIEW)

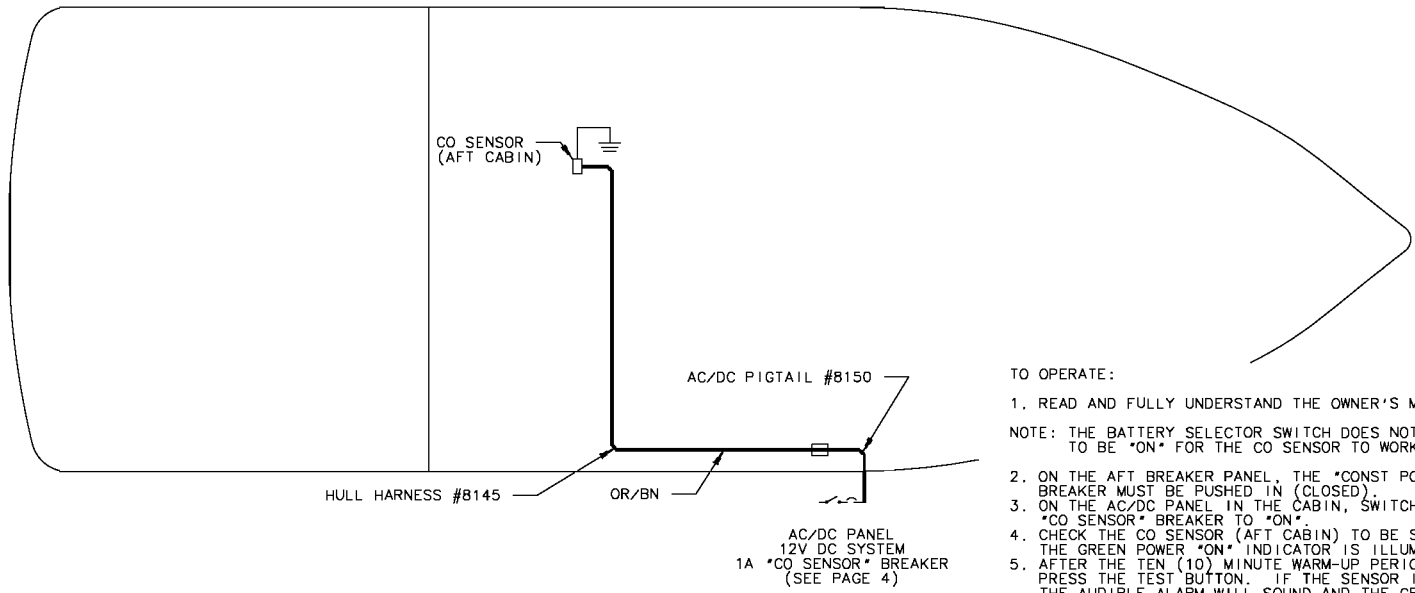
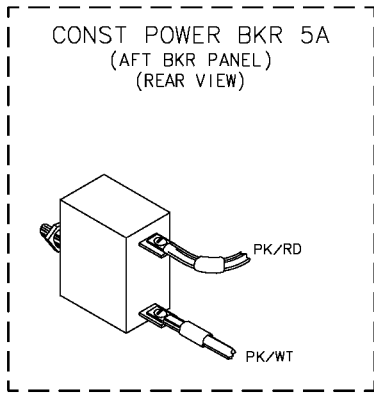


**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BLOWER" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE HEAD BLOWER CAN NOW BE OPERATED BY THE HEAD BLOWER SWITCH IN THE HEAD.

# LEGEND

BREAKER SWITCH	
PLUG	
DC GROUND	



**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
- NOTE: THE BATTERY SELECTOR SWITCH DOES NOT NEED TO BE "ON" FOR THE CO SENSOR TO WORK.
2. ON THE AFT BREAKER PANEL, THE "CONST POWER" BREAKER MUST BE PUSHED IN (CLOSED).
  3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "CO SENSOR" BREAKER TO "ON".
  4. CHECK THE CO SENSOR (AFT CABIN) TO BE SURE THE GREEN POWER "ON" INDICATOR IS ILLUMINATED.
  5. AFTER THE TEN (10) MINUTE WARM-UP PERIOD, PRESS THE TEST BUTTON. IF THE SENSOR IS O.K., THE AUDIBLE ALARM WILL SOUND AND THE GREEN POWER "ON" LIGHT WILL CHANGE TO RED.

# LEGEND

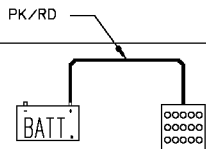
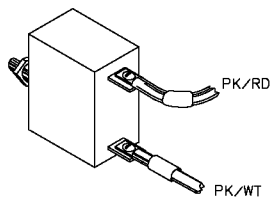
BREAKER  
PANEL



BATTERY



CONST POWER BKR 5A  
(AFT BKR PANEL)  
(REAR VIEW)



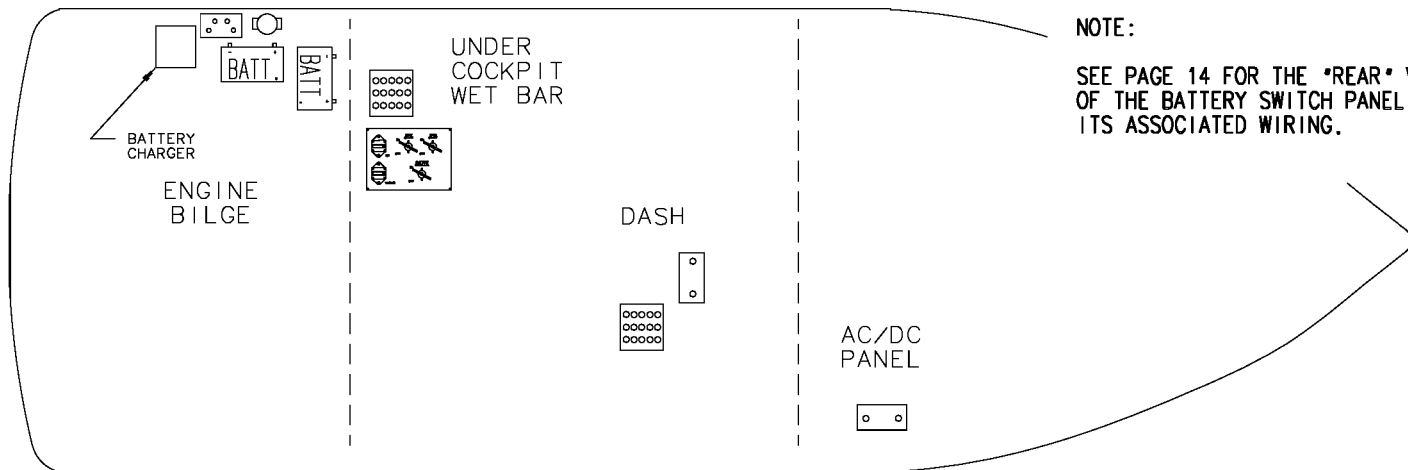
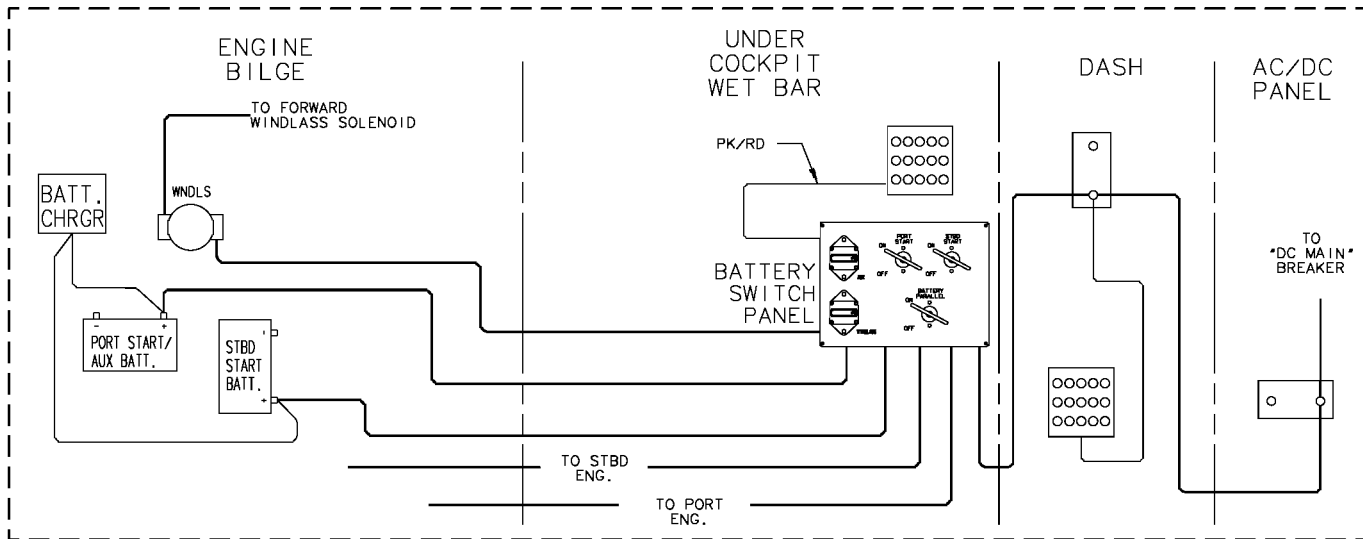
TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. ON AFT BREAKER PANEL, UNDER THE WET BAR, THE \*CONST/POWER\* BREAKER MUST BE PUSHED IN (CLOSED).

NOTE: CONSTANT POWER IS SUPPLIED TO THESE COMPONENTS:  
- STEREO MEMORY

# LEGEND

BREAKER PANEL	
BATTERY	
SOLENOID	
C-BREAKER	
BATTERY SWITCH	
PLEX BLOCK	
GROUND BLOCK	

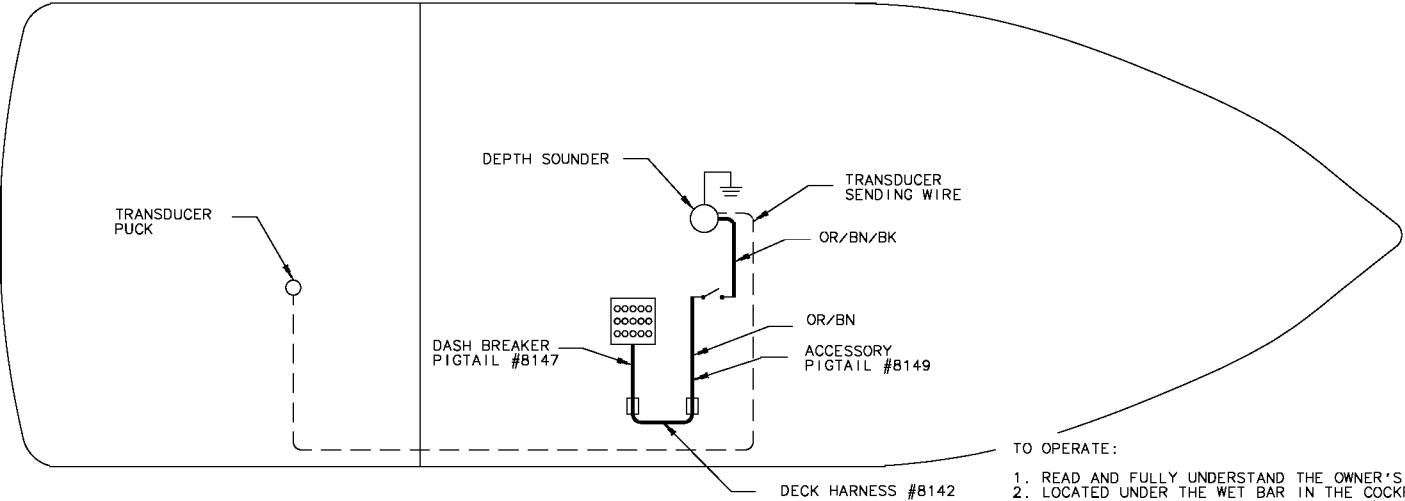
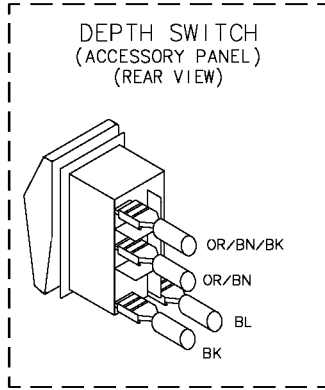
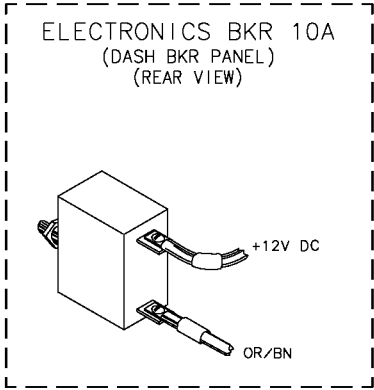


**NOTE:**

SEE PAGE 14 FOR THE \*REAR\* VIEW OF THE BATTERY SWITCH PANEL AND ITS ASSOCIATED WIRING.

# LEGEND

BREAKER PANEL	
SWITCH	
PLUG	
DC GROUND	



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE DEPTH SOUNDER CAN NOW BE OPERATED BY THE "DEPTH" SWITCH ON THE ACCESSORY PANEL.

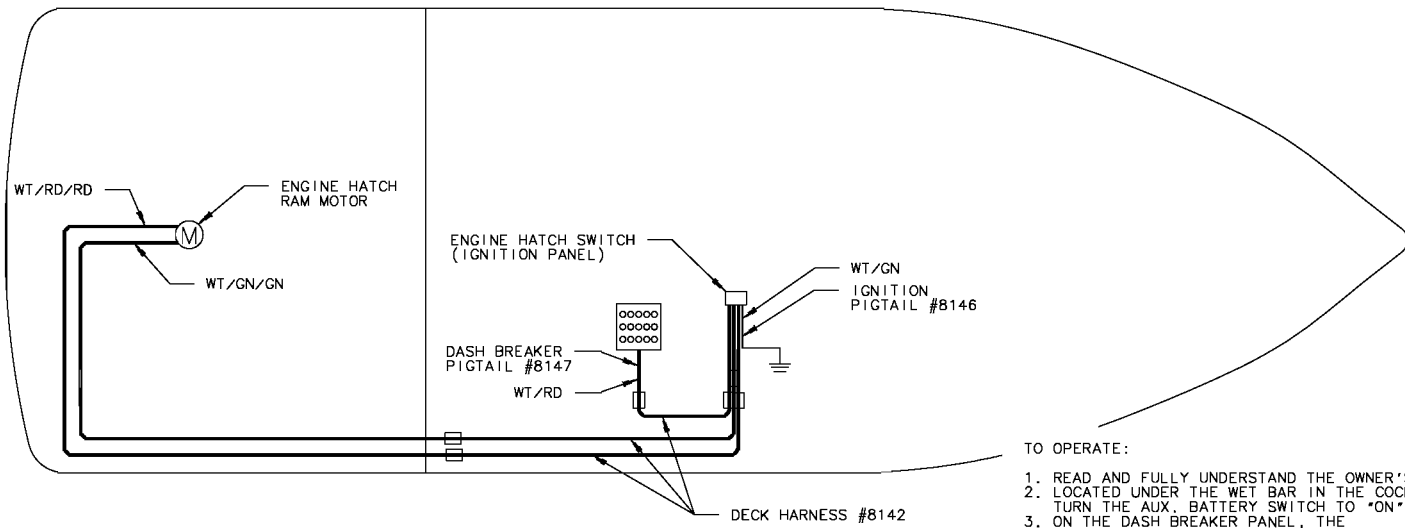
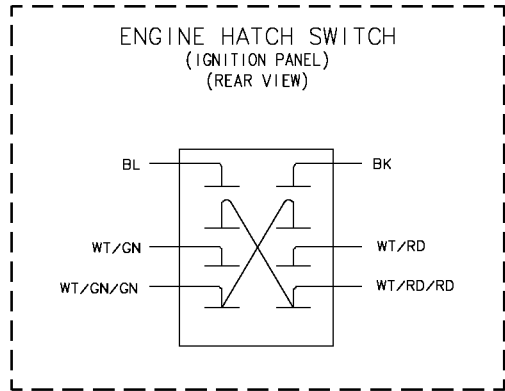
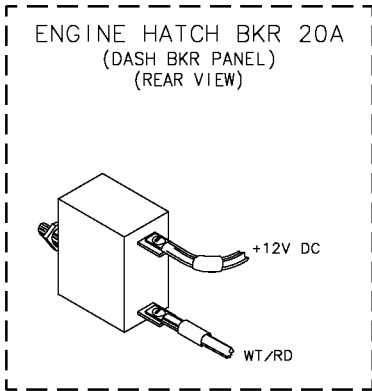
# LEGEND

BREAKER PANEL  


MOTOR  



PLUG  


DC GROUND  

- TO OPERATE:
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
  2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
  3. ON THE DASH BREAKER PANEL, THE "ENGINE HATCH" BREAKER MUST BE PUSHED IN (CLOSED).
  4. THE ENGINE HATCH CAN NOW BE OPERATED BY THE "ENGINE HATCH" SWITCH ON THE IGNITION PANEL.

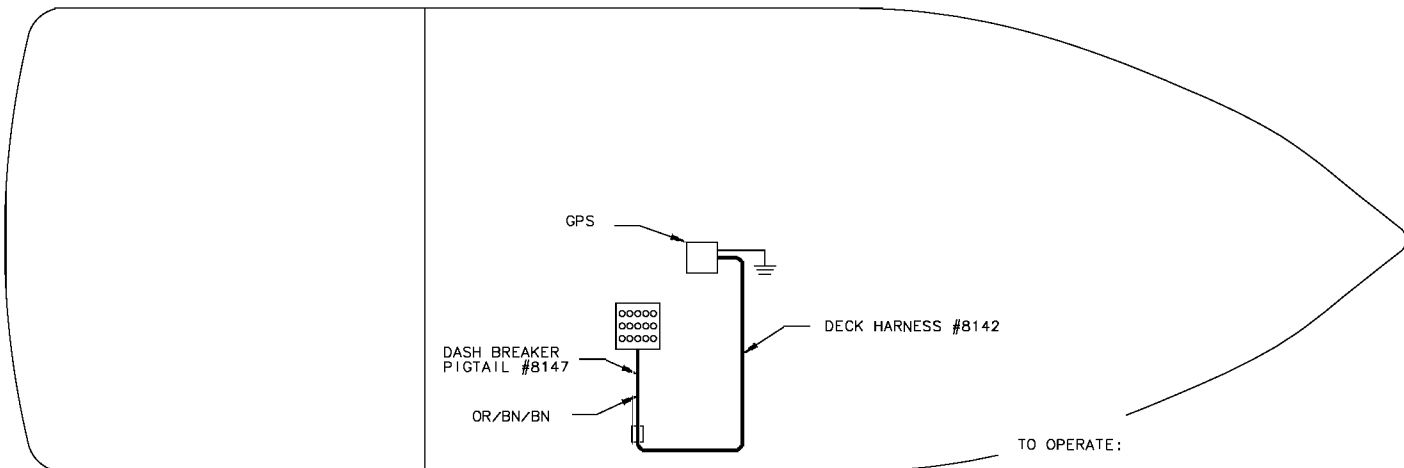
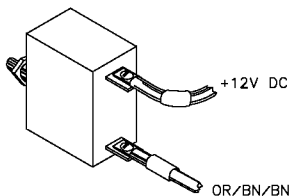
# LEGEND

BREAKER PANEL 

PLUG 

DC GROUND 




ELECTRONICS BKR 10A  
(DASH BKR PANEL)  
(REAR VIEW)

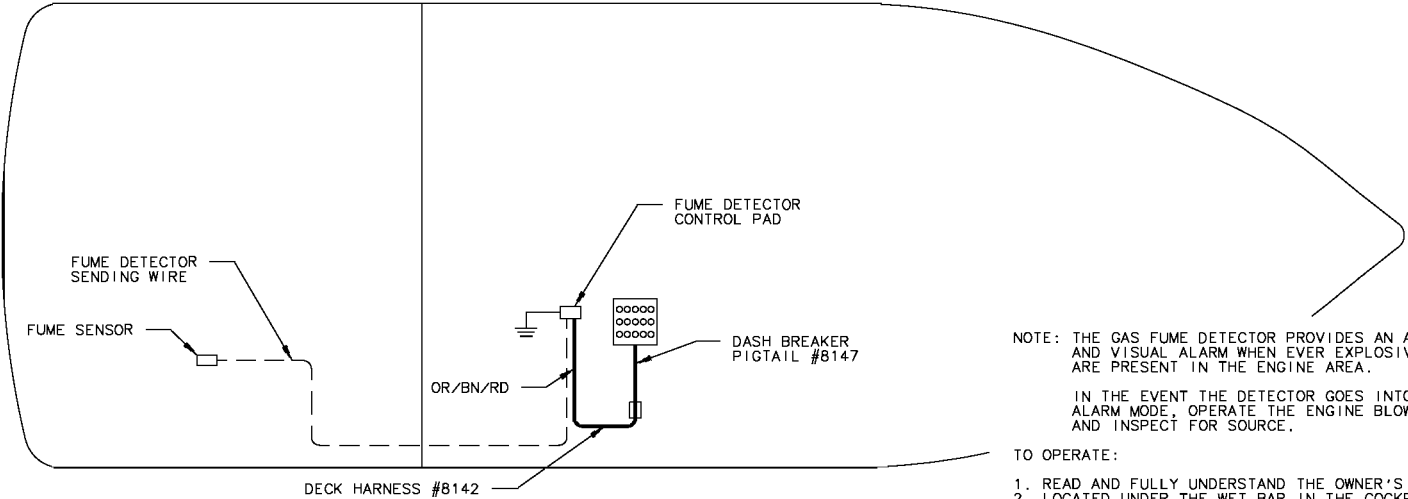
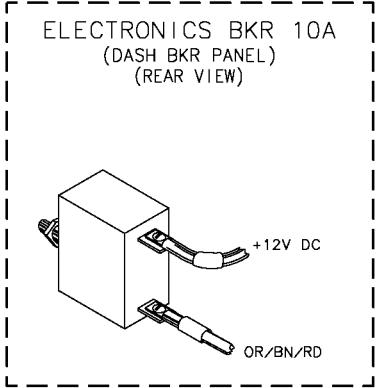


TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE GPS IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE UNITS OPERATOR'S MANUAL FOR FURTHER OPERATING INSTRUCTIONS.

# LEGEND

BREAKER PANEL	
PLUG	
DC GROUND	



NOTE: THE GAS FUME DETECTOR PROVIDES AN AUDIBLE AND VISUAL ALARM WHEN EVER EXPLOSIVE GASES ARE PRESENT IN THE ENGINE AREA.

IN THE EVENT THE DETECTOR GOES INTO THE ALARM MODE, OPERATE THE ENGINE BLOWERS AND INSPECT FOR SOURCE.

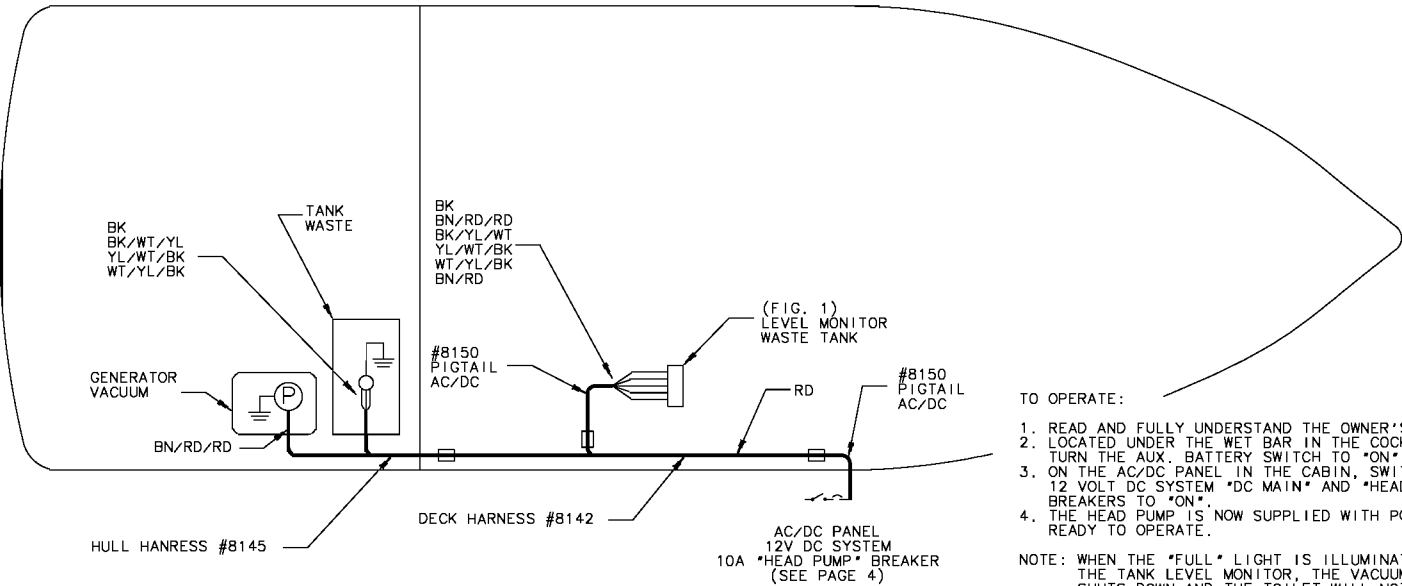
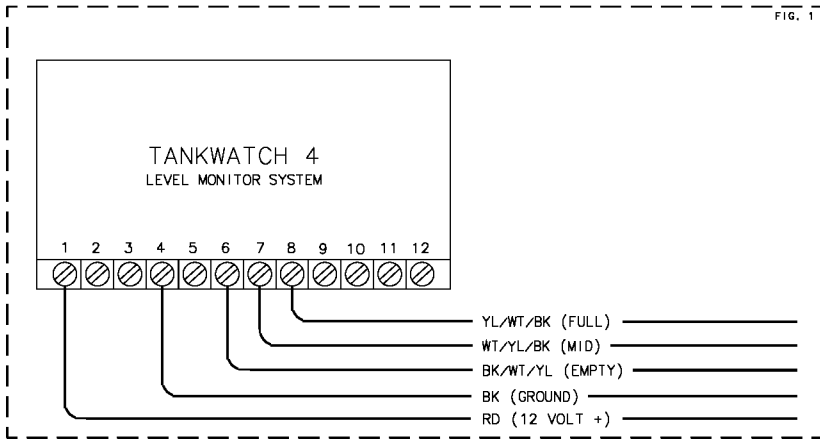
TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON"
3. ON THE DASH BREAKER PANEL, THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE DETECTOR IS POWERED UP AND WILL FUNCTION UNTIL POWER IS REMOVED



# LEGEND

BREAKER PANEL	oooo oooo oooo
VACUUM PUMP	(P)
BREAKER SWITCH	~
PLUG	□
DC GROUND	⊥



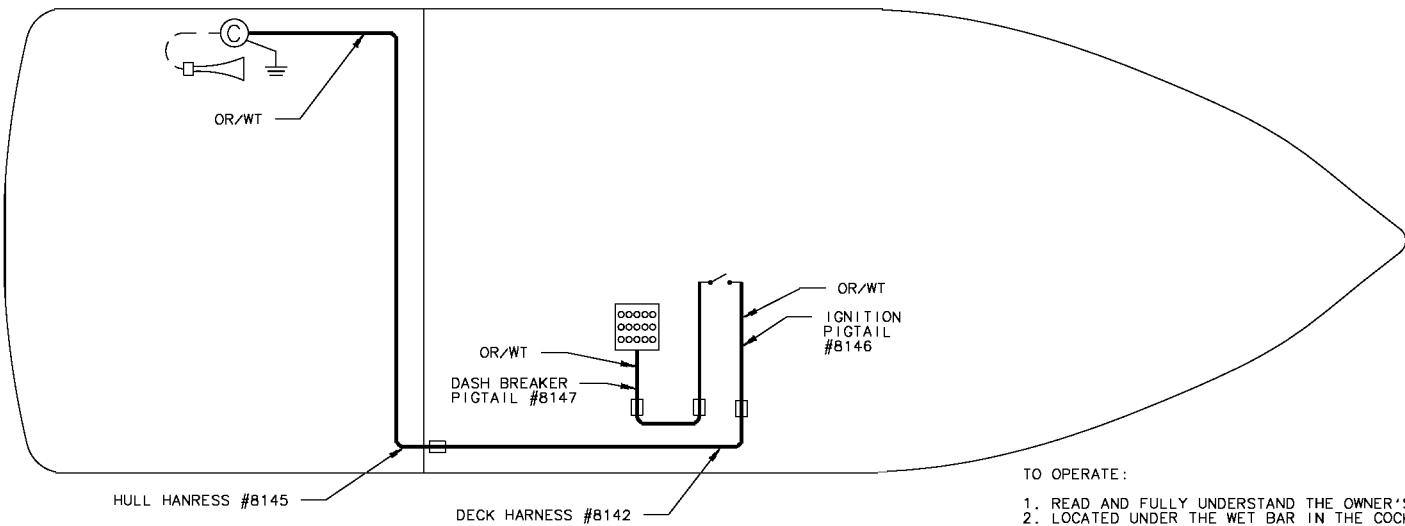
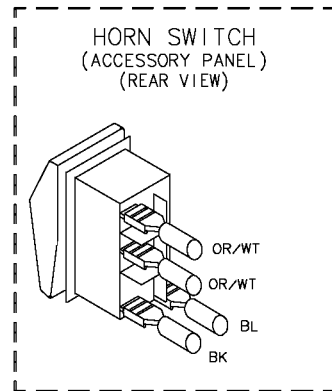
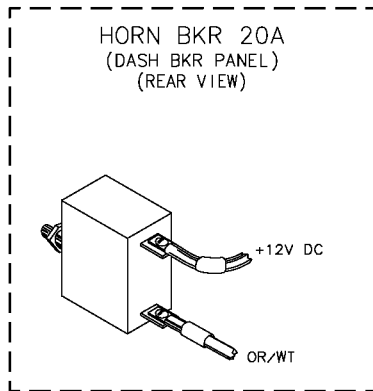
**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12 VOLT DC SYSTEM "DC MAIN" AND "HEAD PUMP" BREAKERS TO "ON".
4. THE HEAD PUMP IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

NOTE: WHEN THE "FULL" LIGHT IS ILLUMINATED ON THE TANK LEVEL MONITOR, THE VACUUM PUMP SHUTS DOWN AND THE TOILET WILL NOT FLUSH.

# LEGEND

BREAKER PANEL	
COMPRESSOR	
HORN	
SWITCH	
PLUG	
DC GROUND	
AIR LINE	





**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON"
3. ON THE DASH BREAKER PANEL, THE "HORN" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE HORN CAN NOW BE OPERATED BY THE "HORN" SWITCH ON THE IGNITION PANEL.

# LEGEND

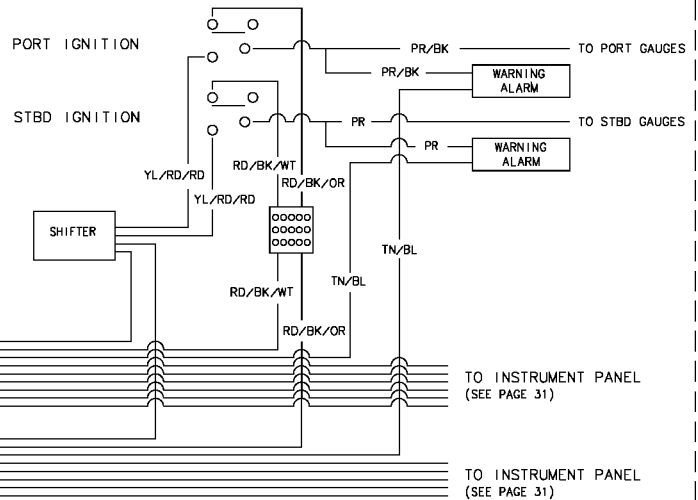
BREAKER PANEL 

MERCURY PLUG 

IGNITION SWITCH 

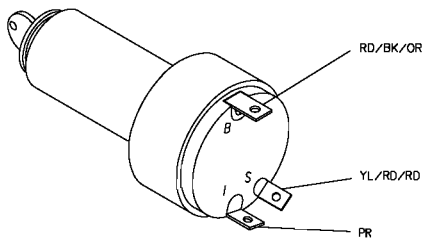
NOTE: SEE MerCRUISER MANUAL FOR FURTHER INFORMATION AND WIRING CONNECTIONS ON ENGINE EQUIPMENT.

FOR SINGLE ENGINE BOATS STBD WIRES AND HARDWARE ARE USED.

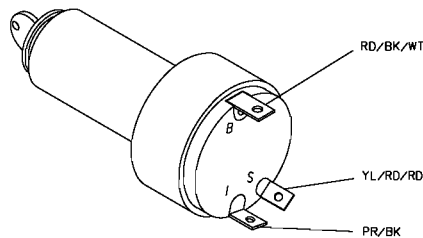


SEE DETAIL ABOVE

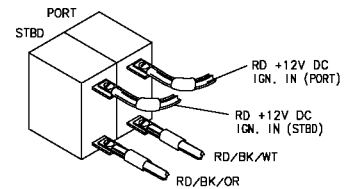
IGNITION SWITCH (STBD)



IGNITION SWITCH (PORT)



IGNITION BKRS 20A (DASH BKR PANEL) (REAR VIEW)

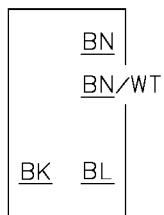


PANEL #60866

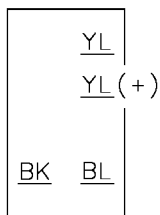
PIGTAIL #8149

X = NOT USED

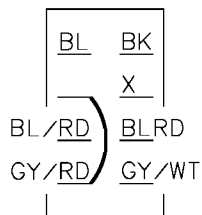
**BILGE**



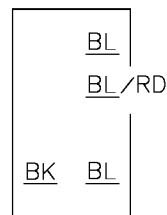
**BLOWER**



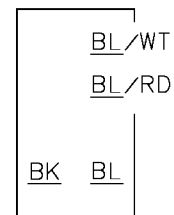
**NAV/  
ANCH  
LIGHTS**



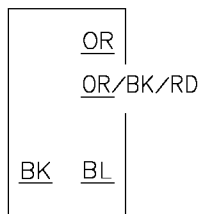
**PANEL  
LIGHTS**



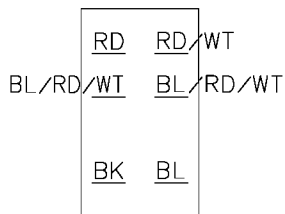
**COURT  
LIGHTS**



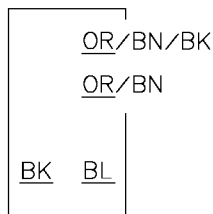
**WIPER**



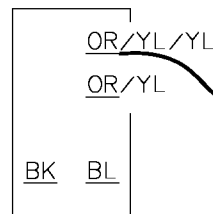
**DOCKING  
LIGHTS**



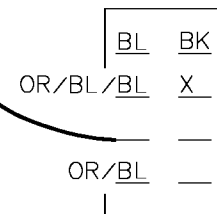
**DEPTH**



**WINDLASS  
ON/OFF**

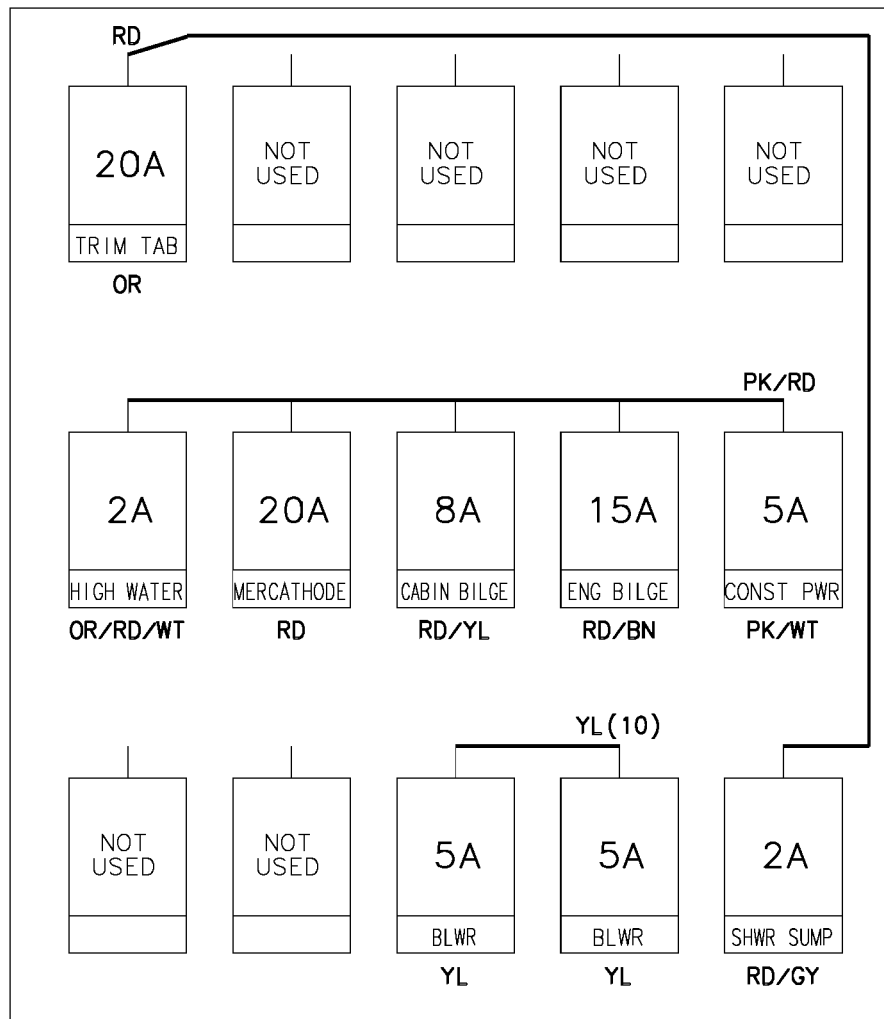


**WINDLASS  
UP/DOWN**



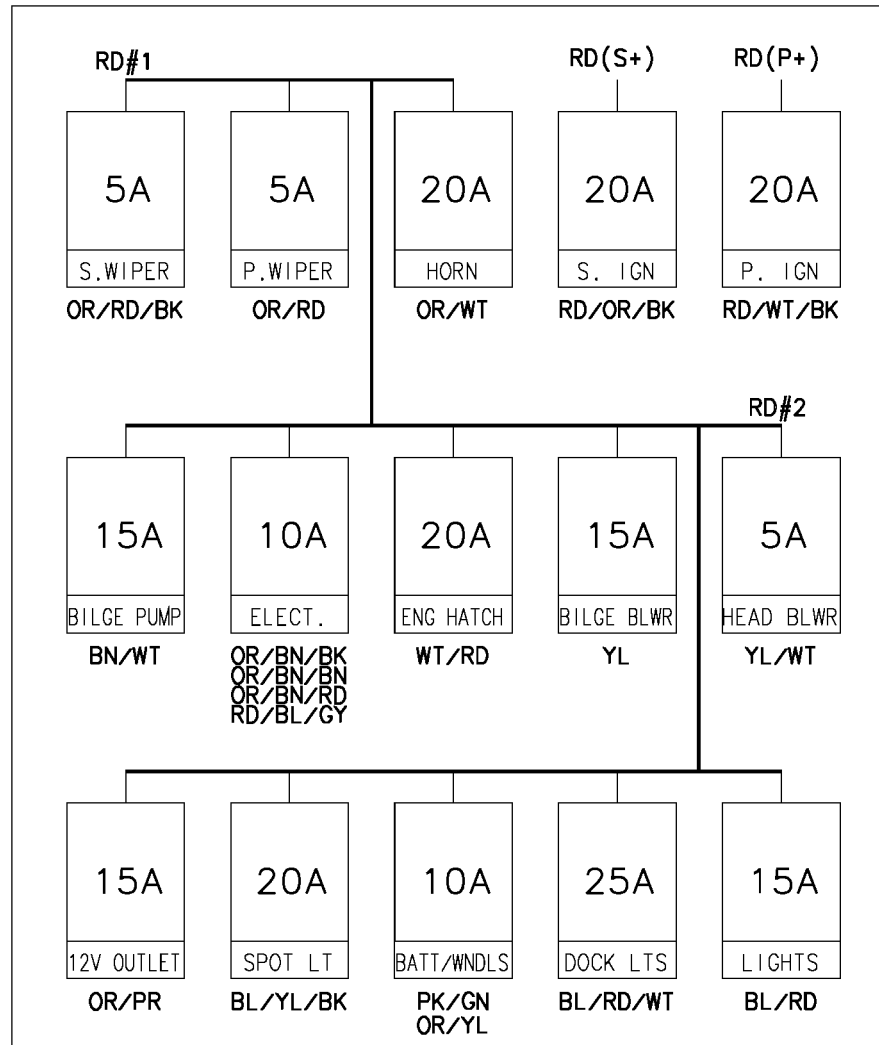
REAR VIEW

PANEL #60865  
 PIGTAIL #8318



REAR VIEW

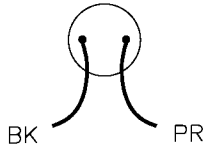
PANEL #60863  
 PIGTAIL #8147



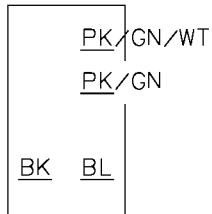
REAR VIEW

PANEL #60876

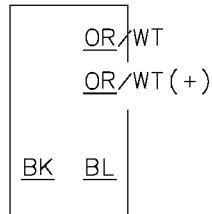
PIGTAIL #8146



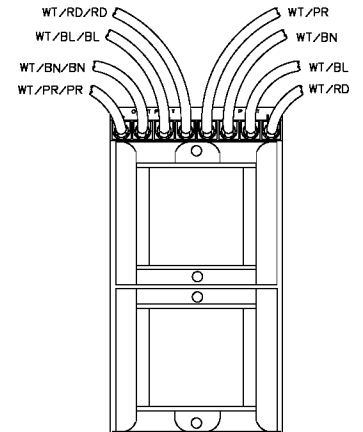
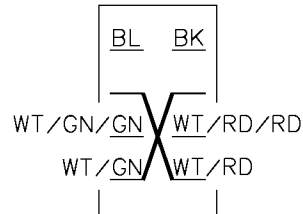
BATTERY  
PARALLEL



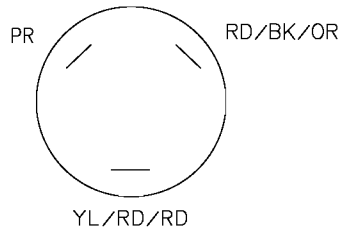
HORN



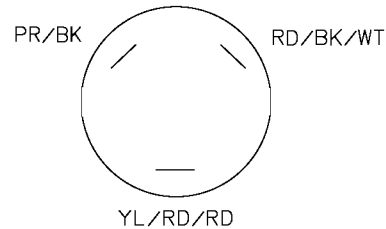
ENGINE  
HATCH



VOLUME  
CONTROL



STBD  
IGNITION

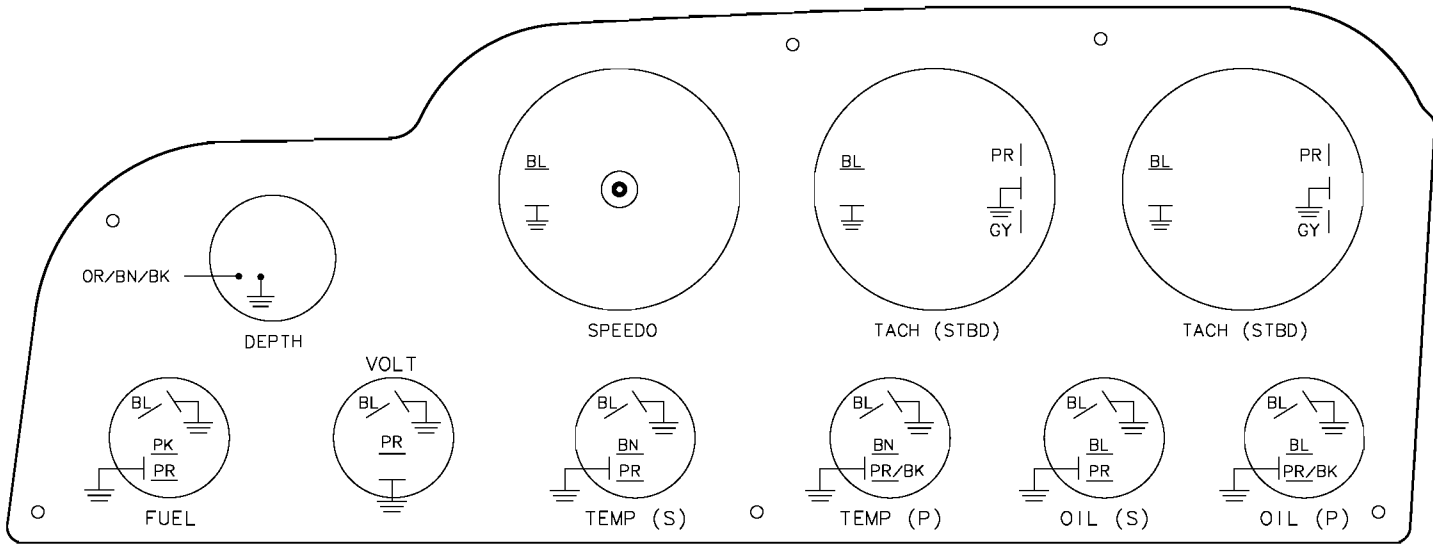


PORT  
IGNITION

REAR VIEW

PANEL #60878

PIGTAIL #7480

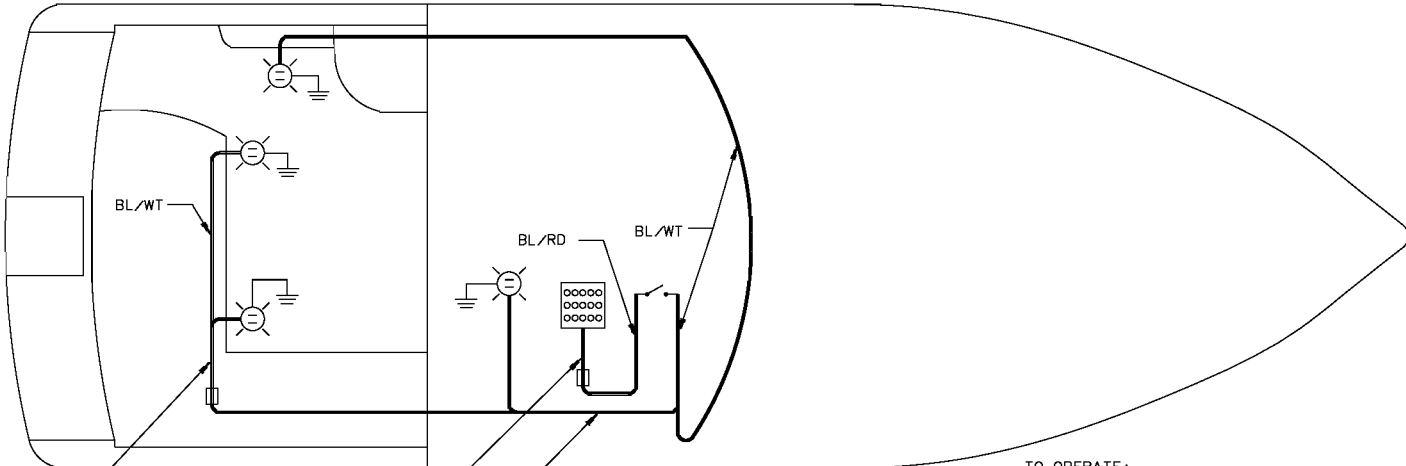
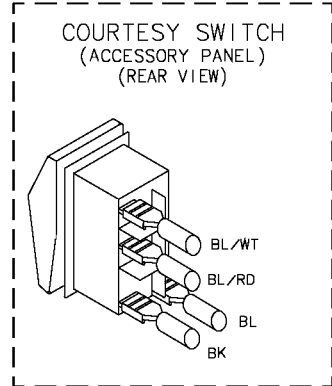
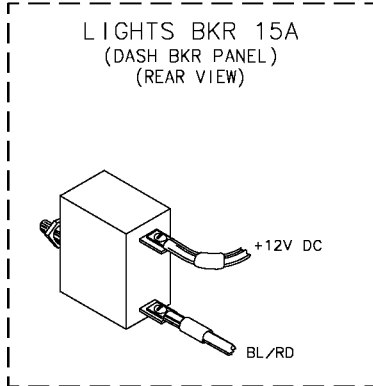


REAR VIEW



# LEGEND

BREAKER PANEL	
LIGHT	
SWITCH	
PLUG	
DC GROUND	



RADAR ARCH HARNESS #8144


DASH BREAKER PIGTAIL #8147

DECK HARNESS #8142


TO OPERATE:


1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE COURTESY LIGHTS CAN NOW BE OPERATED BY THE "COURT" SWITCH ON THE ACCESSORY PANEL.

# LEGEND

BREAKER PANEL 

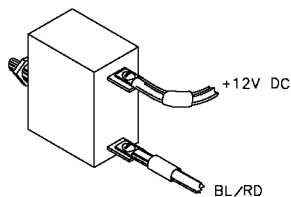
LIGHT 

SWITCH 

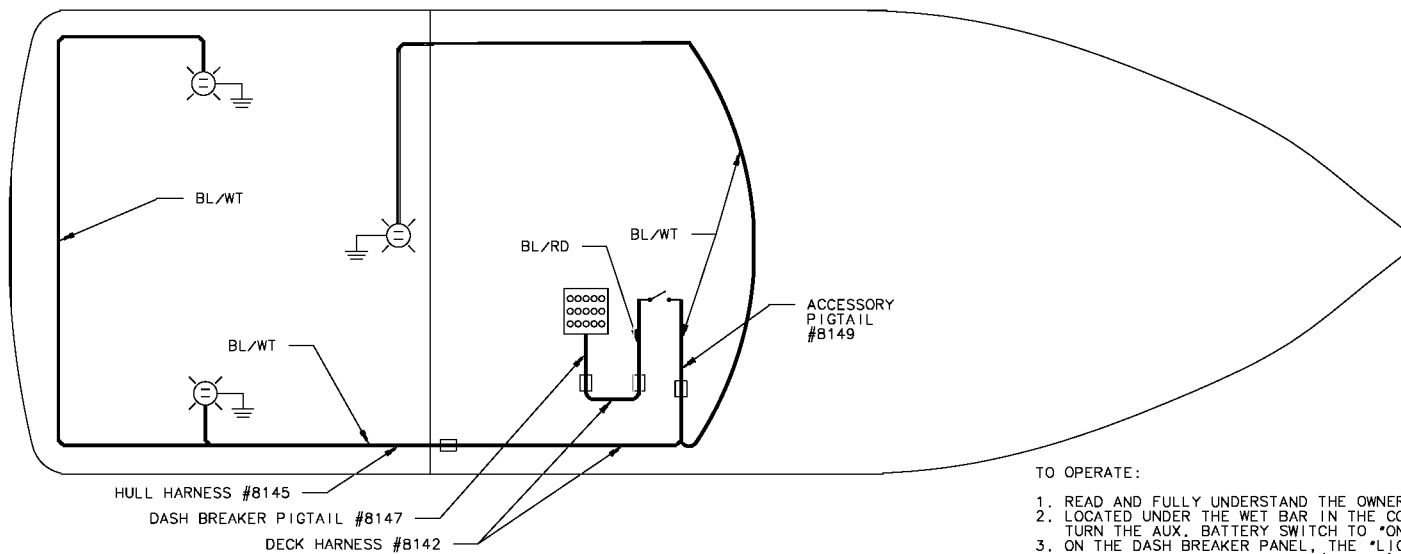
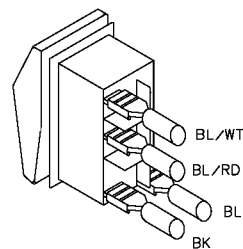
PLUG 

DC GROUND 

## LIGHTS BKR 15A (DASH BKR PANEL) (REAR VIEW)



## COURTESY SWITCH (ACCESSORY PANEL) (REAR VIEW)



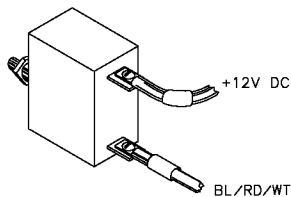
### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE COURTESY LIGHTS CAN NOW BE OPERATED BY THE "COURT" SWITCH ON THE ACCESSORY PANEL.

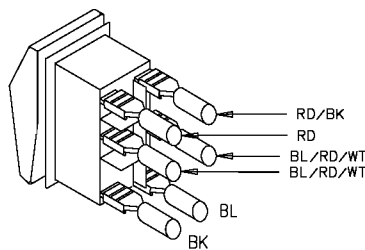
# LEGEND

BREAKER PANEL	
DOCKING LIGHT	
SWITCH	
PLUG	
DC GROUND	

DOCKING LIGHTS BKR 25A  
(DASH BKR PANEL)  
(REAR VIEW)

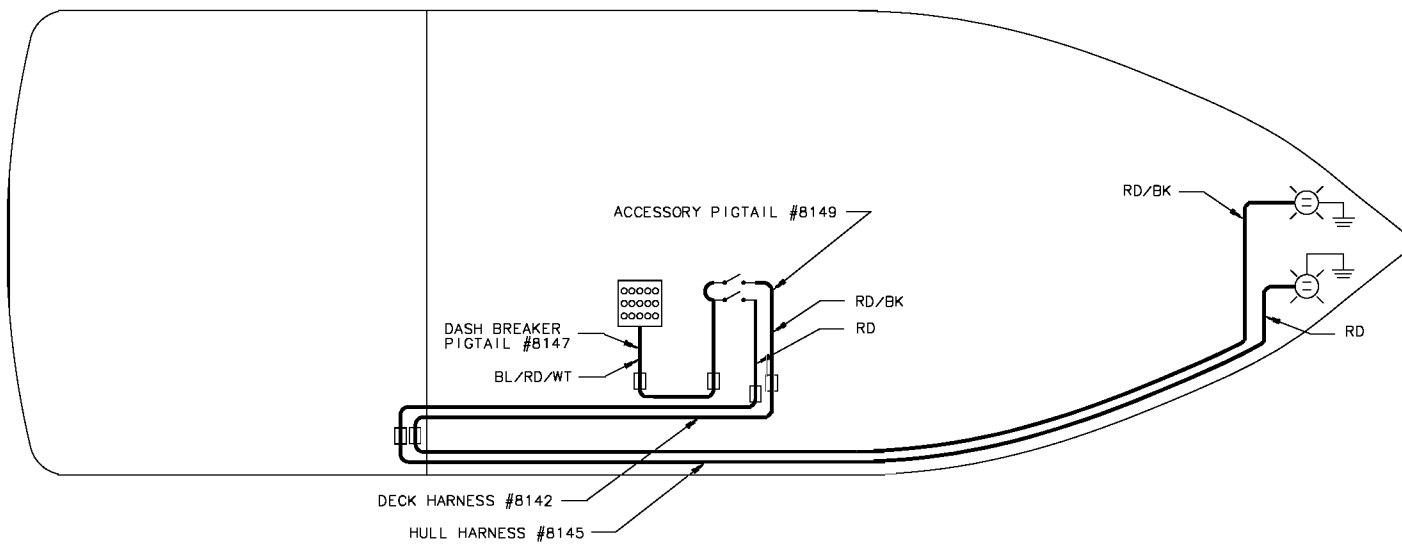


"DOCK LTS" SWITCH  
(ACCESSORY PANEL)  
(REAR VIEW)



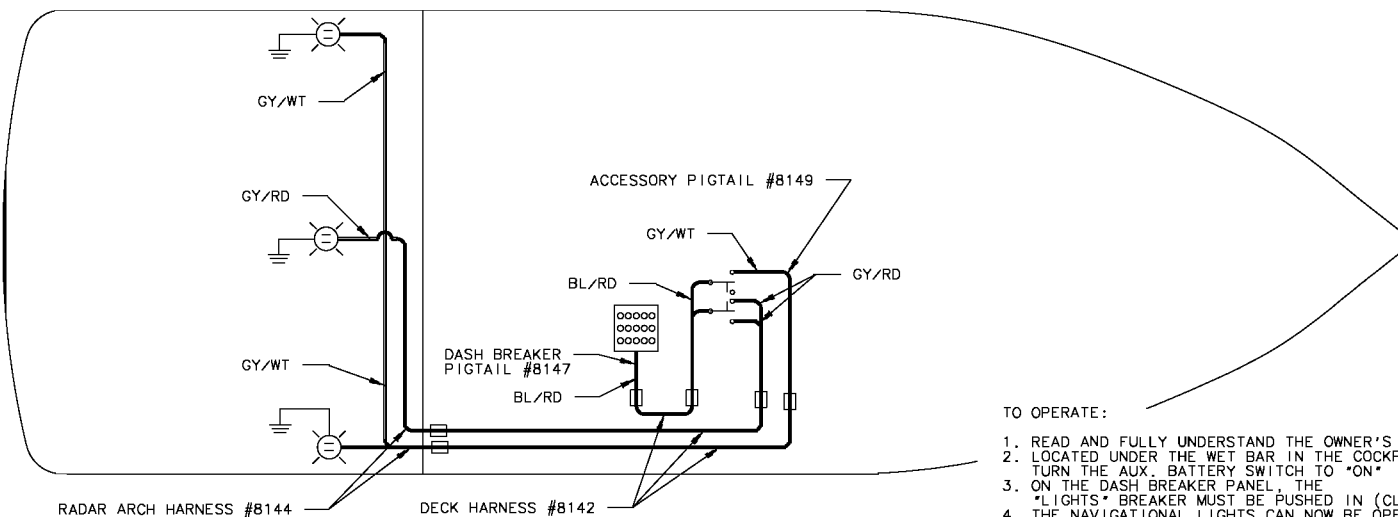
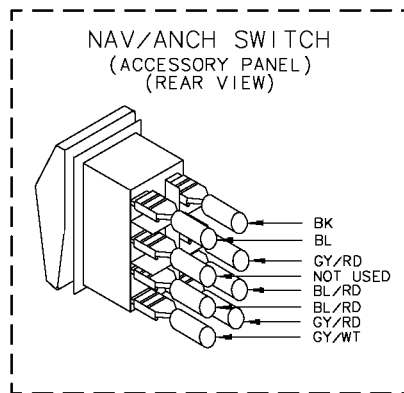
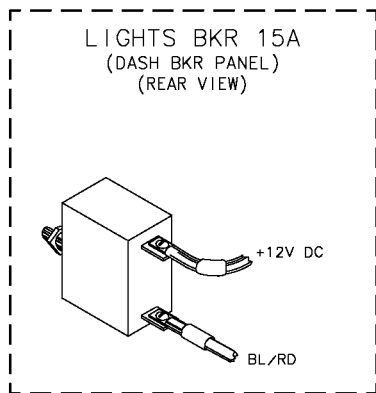
TO OPERATE :

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON"
3. ON THE DASH BREAKER PANEL, THE "DOCKING LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE DOCKING LIGHTS CAN NOW BE OPERATED BY THE "DOCKING LIGHTS" SWITCH ON THE IGNITION PANEL.



# LEGEND

BREAKER PANEL	
DPDT SWITCH	
PLUG	
DC GROUND	



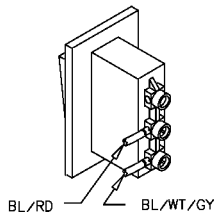
TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON"
3. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE NAVIGATIONAL LIGHTS CAN NOW BE OPERATED BY THE PUSHING THE "NAV/ANCH" SWITCH "UP" ON THE ACCESSORY PANEL.
5. THE ALL AROUND ANCHOR LIGHT CAN NOW BE OPERATED BY THE PUSHING THE "NAV/ANCH" SWITCH "DOWN" ON THE ACCESSORY PANEL.

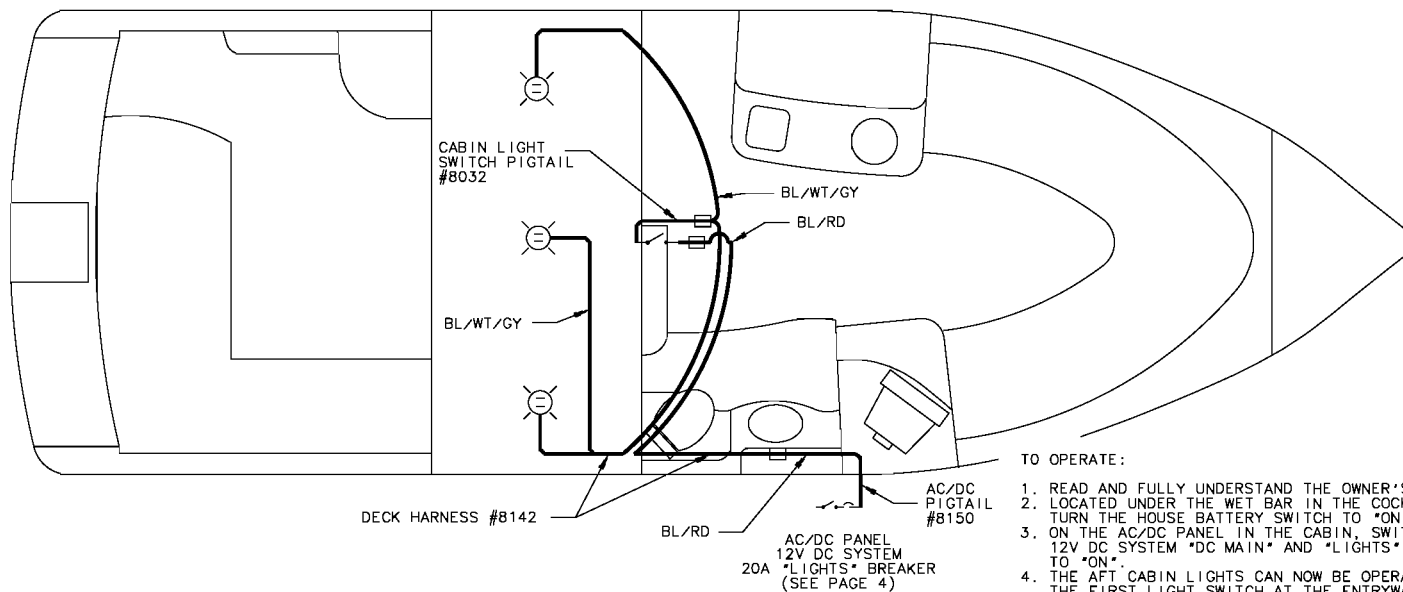
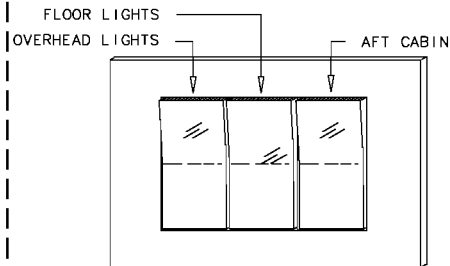
# LEGEND

BREAKER PANEL	
LIGHT	
SWITCH	
PLUG	
DC GROUND	

## AFT CABIN LIGHT SWITCH (REAR VIEW)



## CABIN LIGHT SWITCH'S



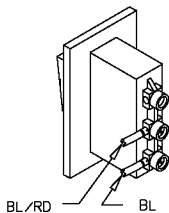
### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "LIGHTS" BREAKERS TO "ON".
4. THE AFT CABIN LIGHTS CAN NOW BE OPERATED BY THE FIRST LIGHT SWITCH AT THE ENTRYWAY.

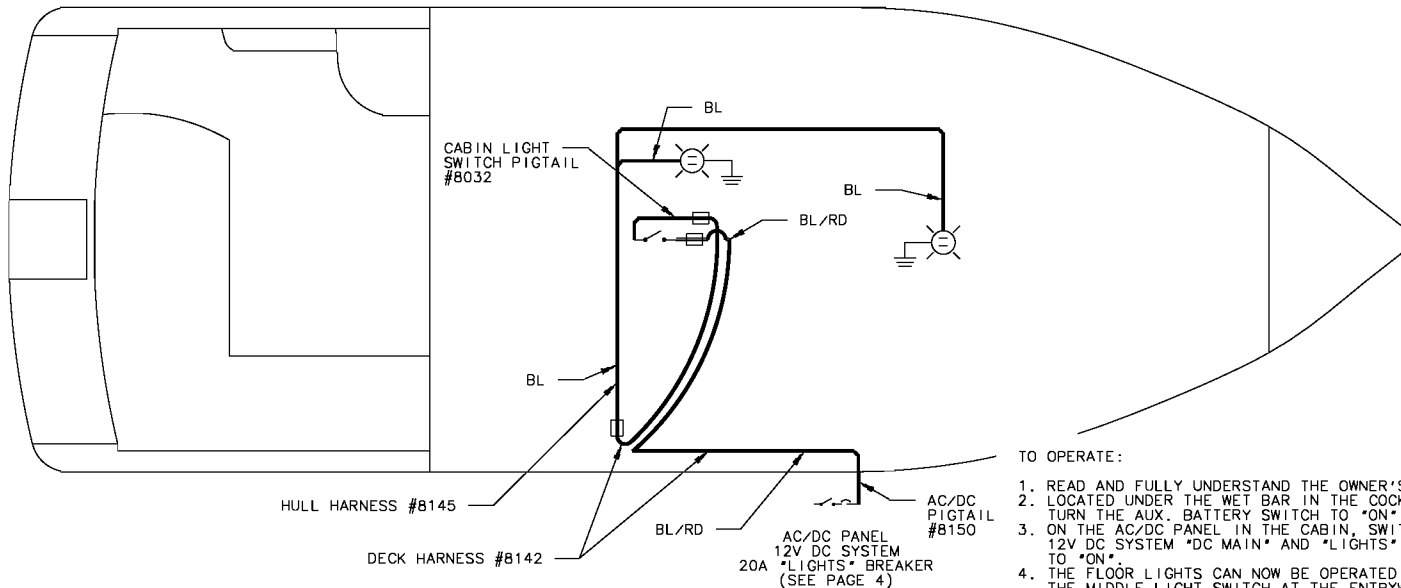
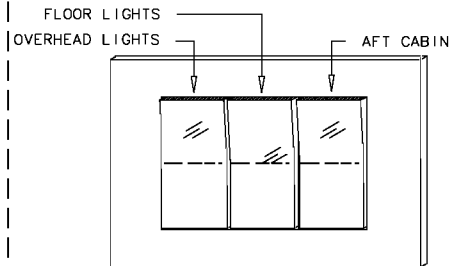
# LEGEND

BREAKER PANEL	
LIGHT	
SWITCH	
PLUG	
DC GROUND	

## FLOOR LIGHT SWITCH (REAR VIEW)



## CABIN LIGHT SWITCH'S



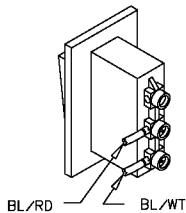
### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "LIGHTS" BREAKERS TO "ON".
4. THE FLOOR LIGHTS CAN NOW BE OPERATED BY THE MIDDLE LIGHT SWITCH AT THE ENTRYWAY.

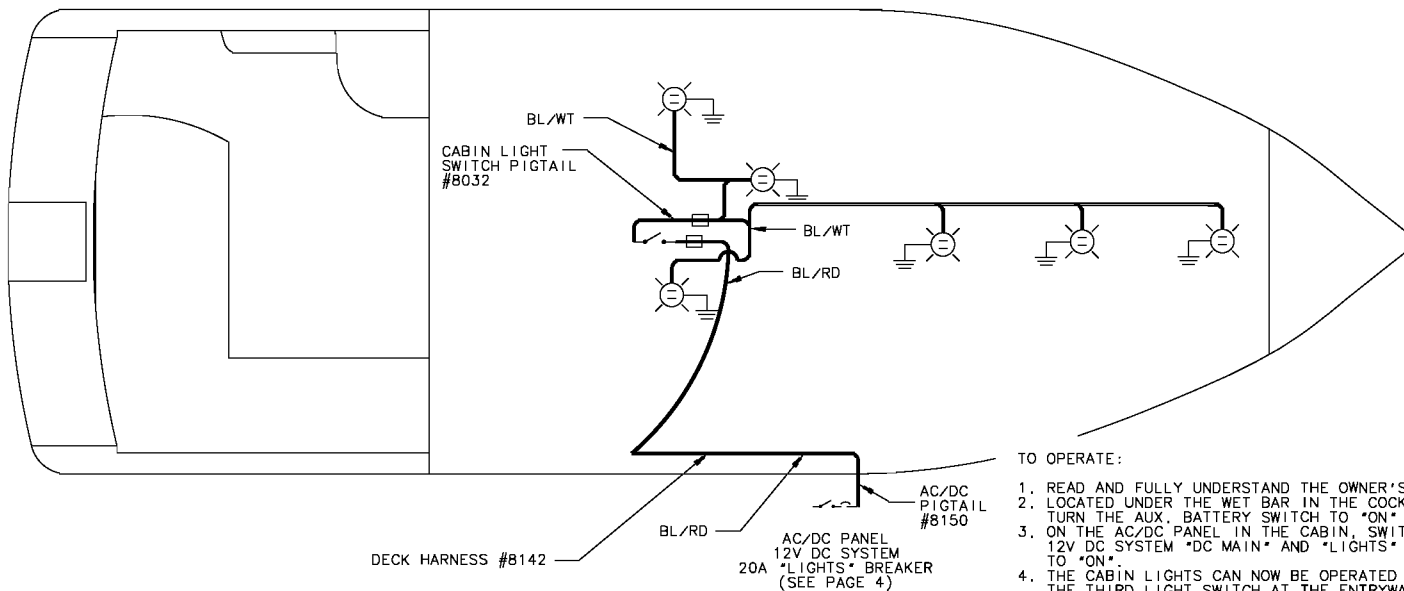
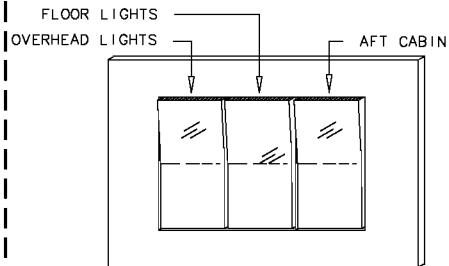
# LEGEND

BREAKER PANEL	
LIGHT	
SWITCH	
PLUG	
DC GROUND	

## OVERHEAD LIGHT SWITCH (REAR VIEW)



## CABIN LIGHT SWITCH'S

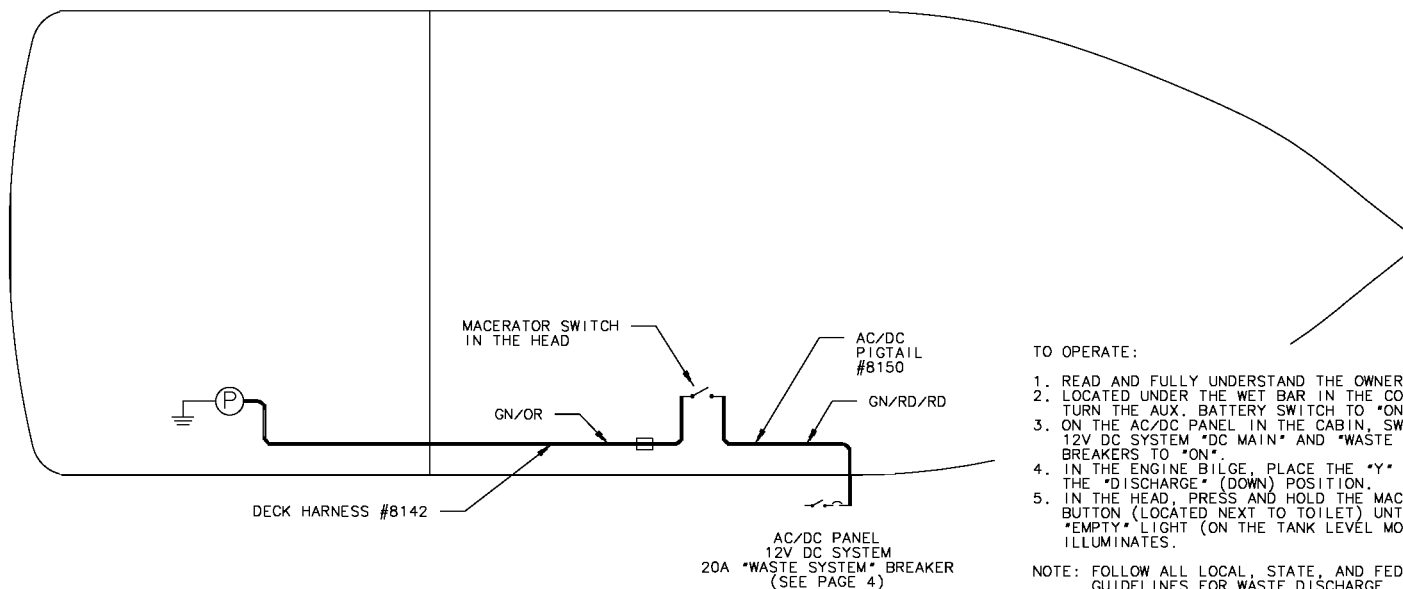
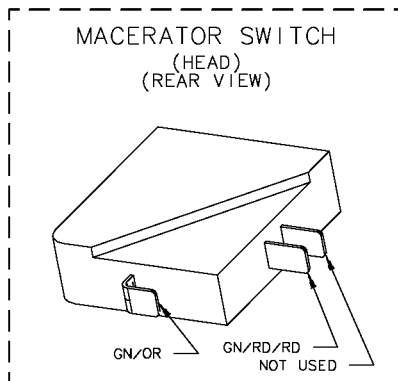


TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT. TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "LIGHTS" BREAKERS TO "ON".
4. THE CABIN LIGHTS CAN NOW BE OPERATED BY THE THIRD LIGHT SWITCH AT THE ENTRYWAY.

# LEGEND

BREAKER PANEL	□□□□□□ □□□□□□ □□□□□□
MACERATOR PUMP	(P)
SWITCH	↗↘
PLUG	□
DC GROUND	⊥




### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "WASTE SYSTEM" BREAKERS TO "ON".
4. IN THE ENGINE BILGE, PLACE THE "Y" VALVE IN THE "DISCHARGE" (DOWN) POSITION.
5. IN THE HEAD, PRESS AND HOLD THE MACERATOR BUTTON (LOCATED NEXT TO TOILET) UNTIL THE "EMPTY" LIGHT (ON THE TANK LEVEL MONITOR) ILLUMINATES.

NOTE: FOLLOW ALL LOCAL, STATE, AND FEDERAL GUIDELINES FOR WASTE DISCHARGE.

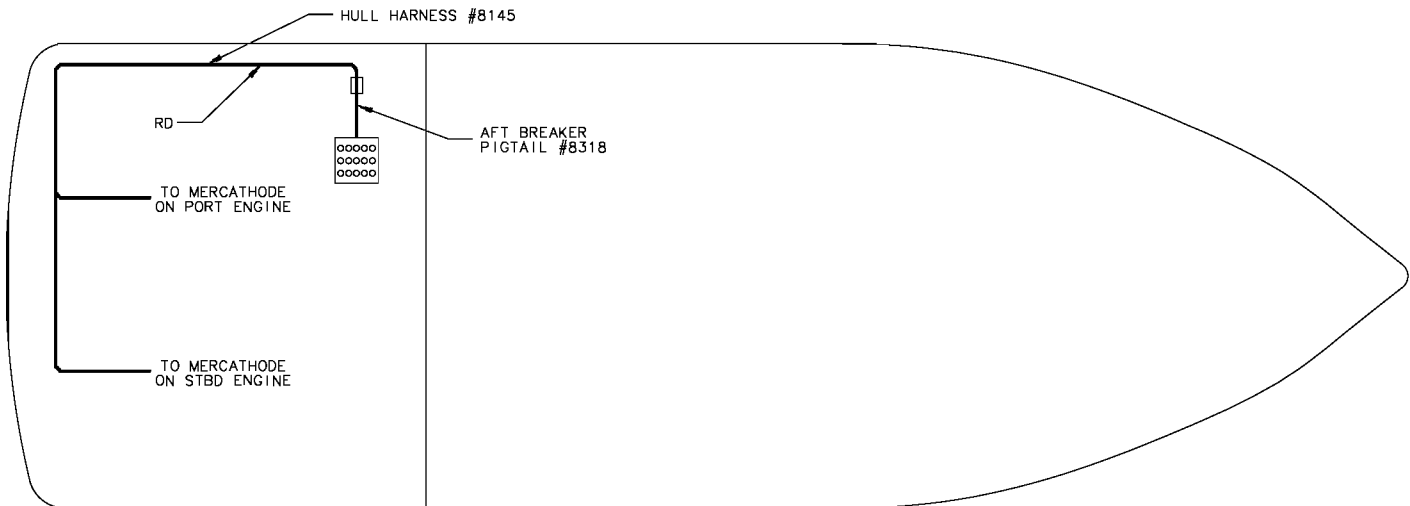
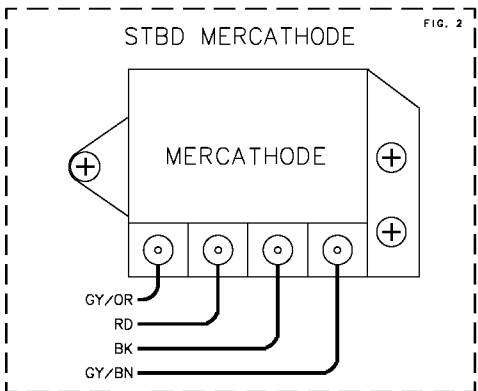
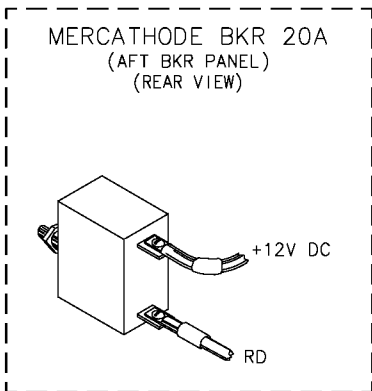
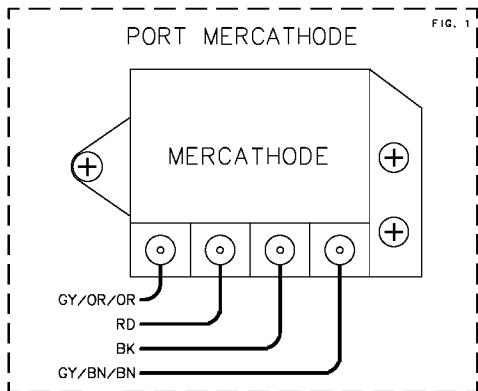


# LEGEND


BREAKER PANEL 

PLUG 

DC GROUND 



# LEGEND

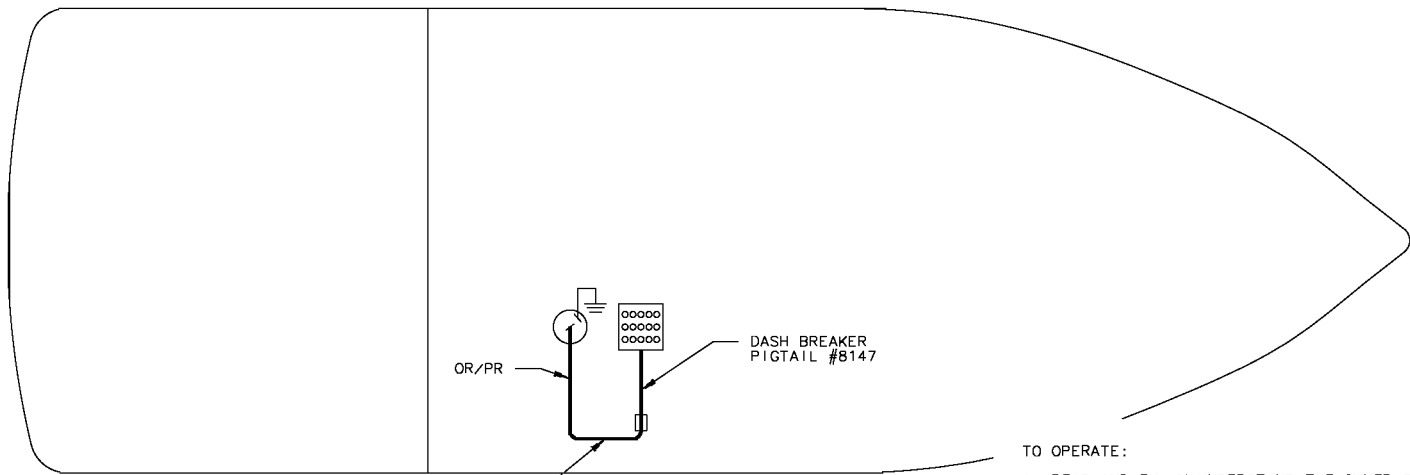
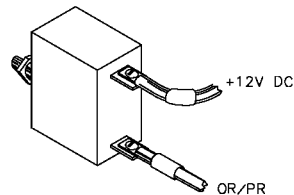
BREAKER PANEL 

12V DC OUTLET 

PLUG 

DC GROUND 

12V DC OUTLET BKR 15A  
(DASH BKR PANEL)  
(REAR VIEW)



DECK HARNESS #8142

OR/PR

DASH BREAKER  
PIGTAIL #8147

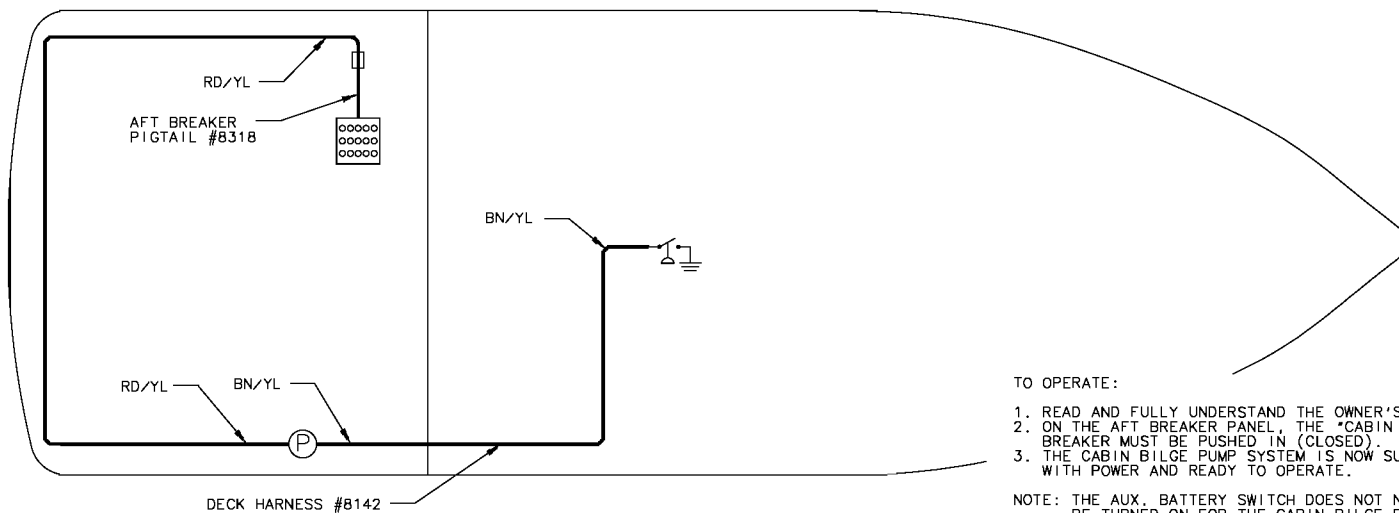
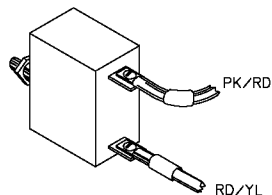
TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "12 VOLT OUTLET" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE "12 VOLT OUTLET, UNDER THE DASH, IS NOW SUPPLIED WITH POWER.

# LEGEND

BREAKER PANEL	
PUMP	
FLOAT SWITCH	
PLUG	
DC GROUND	

CABIN BILGE BKR 8A  
(DASH BKR PANEL)  
(REAR VIEW)



**TO OPERATE :**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. ON THE AFT BREAKER PANEL, THE "CABIN BILGE" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE CABIN BILGE PUMP SYSTEM IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

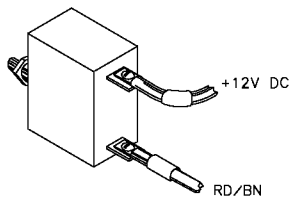
NOTE: THE AUX. BATTERY SWITCH DOES NOT NEED TO BE TURNED ON FOR THE CABIN BILGE PUMP TO OPERATE.

THE CABIN BILGE PUMP WILL AUTOMATICALLY START WHEN WATER IS AT A LEVEL HIGH ENOUGH TO ACTIVATE THE FLOAT SWITCH.

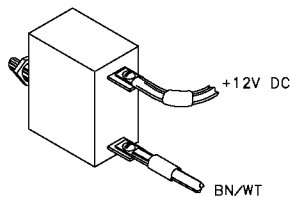
# LEGEND

BREAKER PANEL	
PUMP	
FLOAT SWITCH	
PLUG	
DC GROUND	

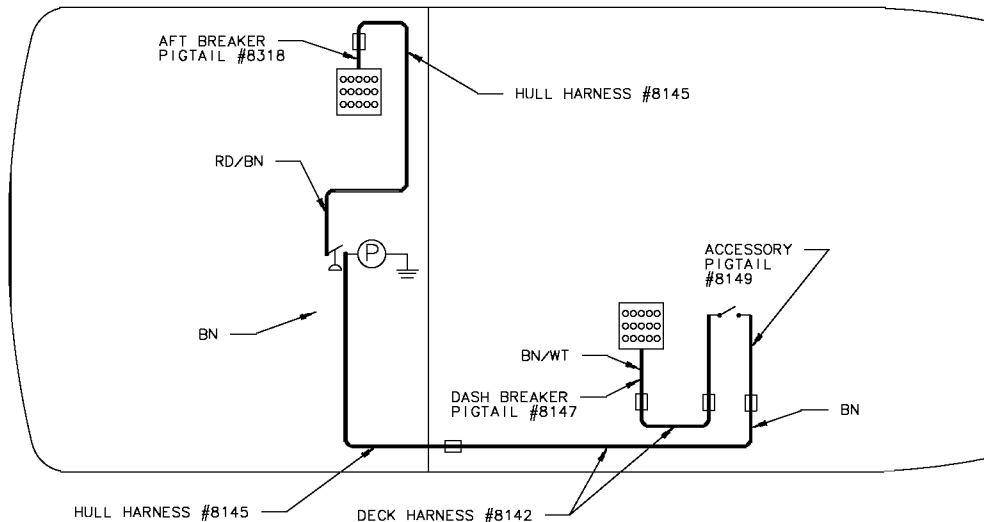
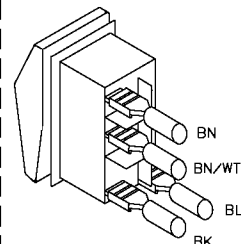
ENGINE BILGE BKR 15A  
(AFT BKR PANEL)  
(REAR VIEW)



BILGE PUMP BKR 15A  
(DASH BKR PANEL)  
(REAR VIEW)



BILGE PUMP SWITCH  
(ACCESSORY PANEL)  
(REAR VIEW)



**TO OPERATE:**


1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. ON THE AFT BREAKER PANEL, THE "ENGINE BILGE" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE ENGINE BILGE PUMP IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

**NOTE:** THE ENGINE BILGE PUMP WILL AUTOMATICALLY START WHEN WATER IS AT A LEVEL HIGH ENOUGH TO ACTIVATE THE FLOAT SWITCH.

**TO OPERATE MANUALLY:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BILGE PUMP" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE BILGE PUMP CAN NOW BE OPERATED BY THE "BILGE PUMP" SWITCH ON THE ACCESSORY PANEL.

# LEGEND

BREAKER PANEL 

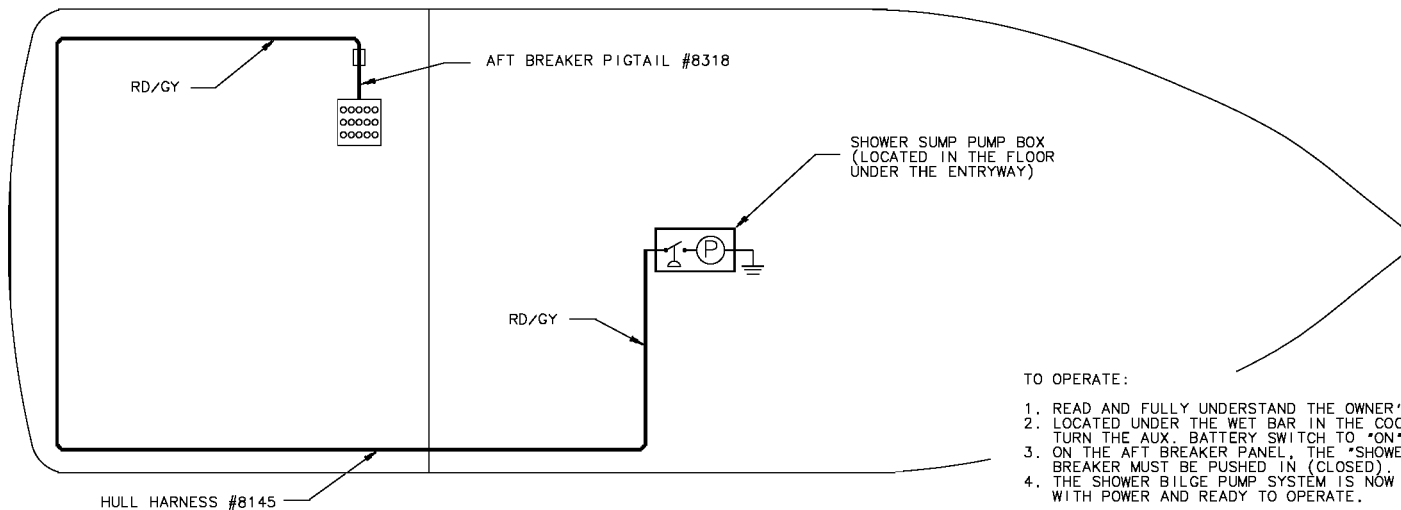
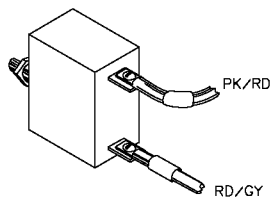
PUMP 

FLOAT SWITCH 

PLUG 

DC GROUND 

SHOWER BILGE BKR 2A  
(AFT BKR PANEL)  
(REAR VIEW)





**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AFT BREAKER PANEL, THE "SHOWER BILGE" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE SHOWER BILGE PUMP SYSTEM IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.

THE SHOWER BILGE PUMP WILL AUTOMATICALLY START WHEN WATER IS AT A LEVEL HIGH ENOUGH TO ACTIVATE THE FLOAT SWITCH.

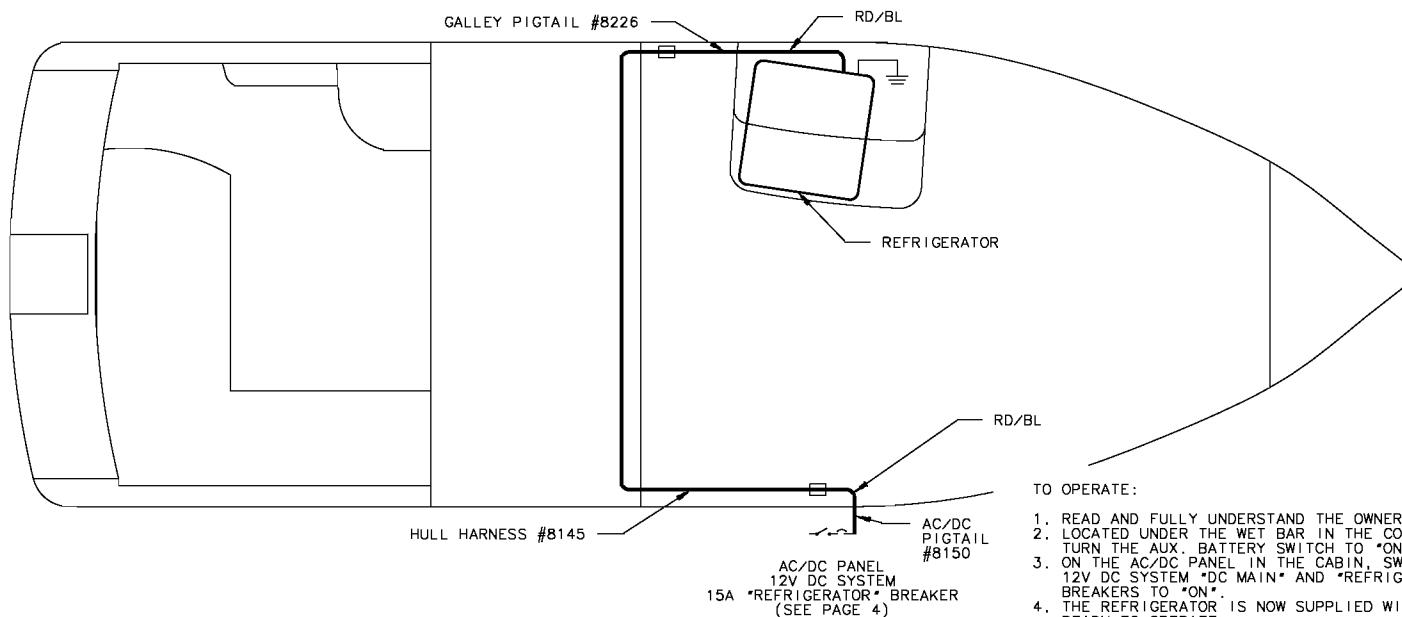
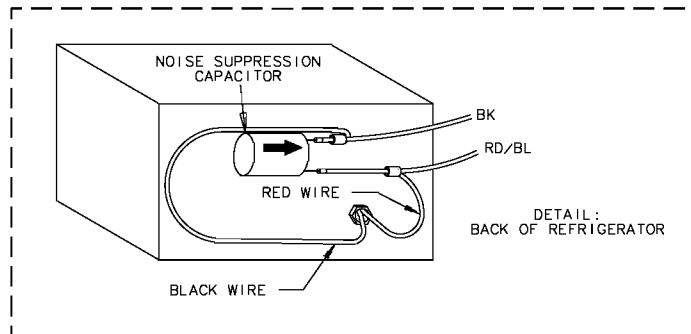
# LEGEND

BREAKER PANEL 

BREAKER SWITCH 

PLUG 

DC GROUND 



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "REFRIGERATOR" BREAKERS TO "ON".
4. THE REFRIGERATOR IS NOW SUPPLIED WITH POWER READY TO OPERATE.

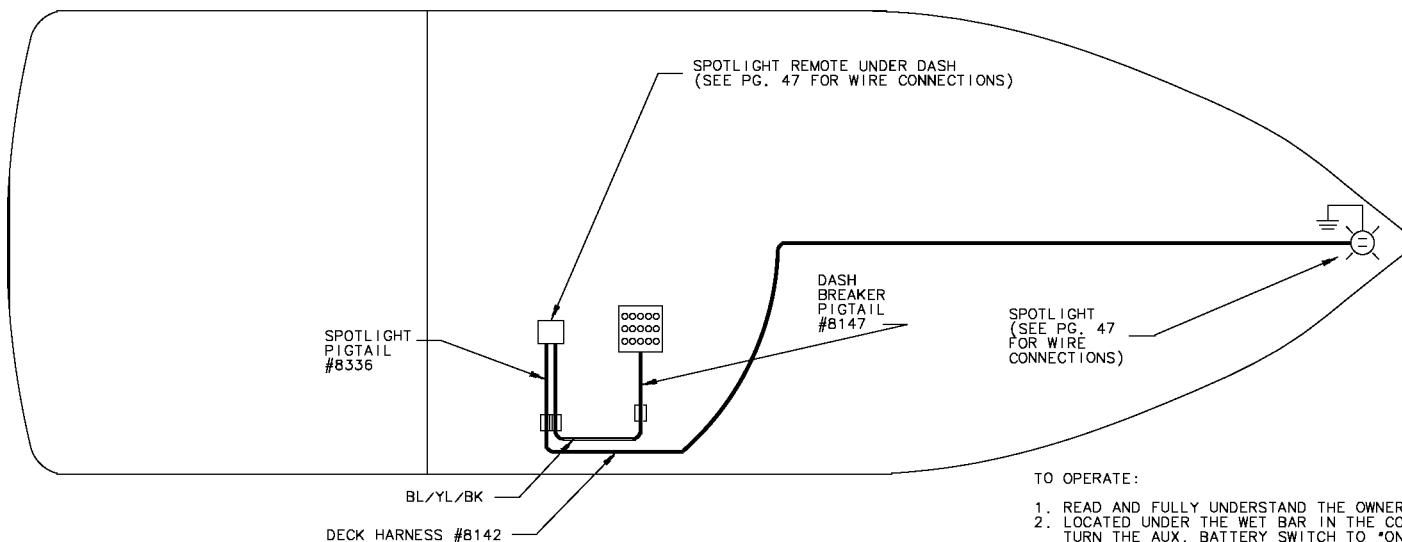
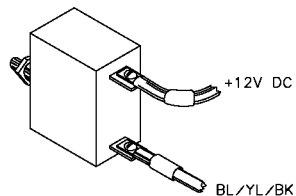
# LEGEND

BREAKER PANEL 

PLUG 

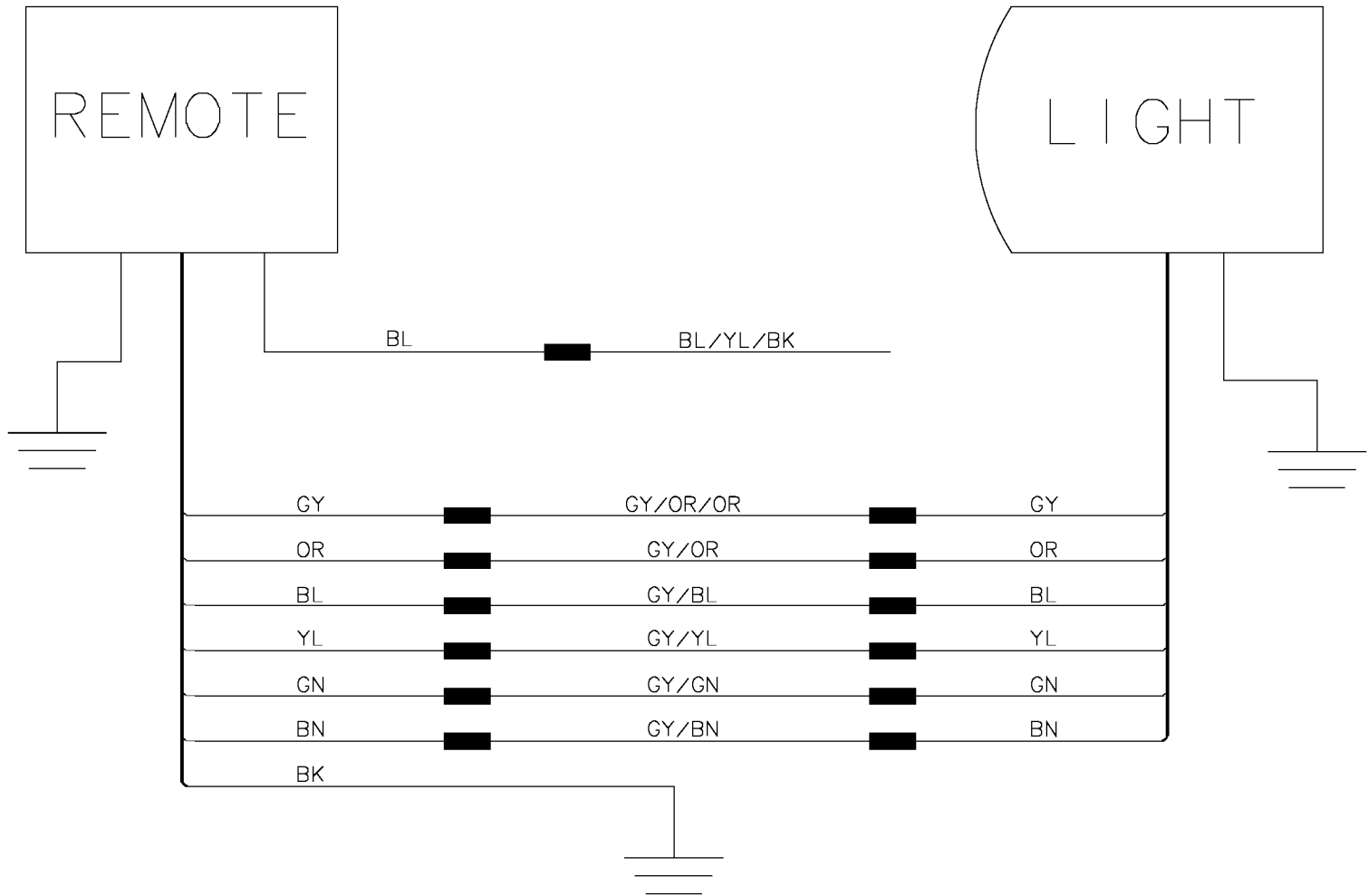
DC GROUND 

SPOTLIGHT BKR 20A  
(DASH BKR PANEL)  
(REAR VIEW)



**TO OPERATE:**

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON"
3. ON THE DASH BREAKER PANEL, THE "SPOTLIGHT" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE SPOTLIGHT CAN NOW BE OPERATED BY THE SPOTLIGHT REMOTE LOCATED UNDER THE DASH.

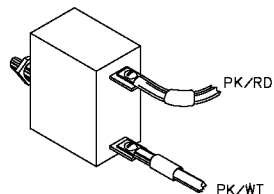




# LEGEND

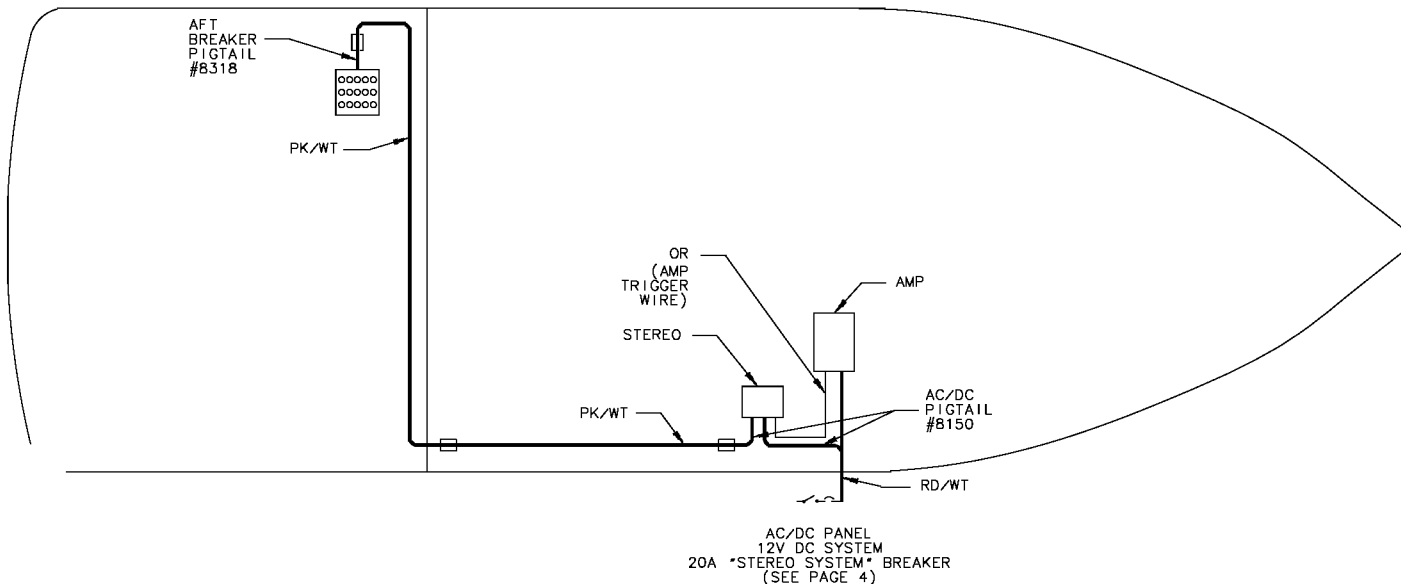
BREAKER PANEL	
BREAKER SWITCH	
PLUG	
DC GROUND	

CONSTANT POWER BKR 5A  
(AFT BKR PANEL)  
(REAR VIEW)



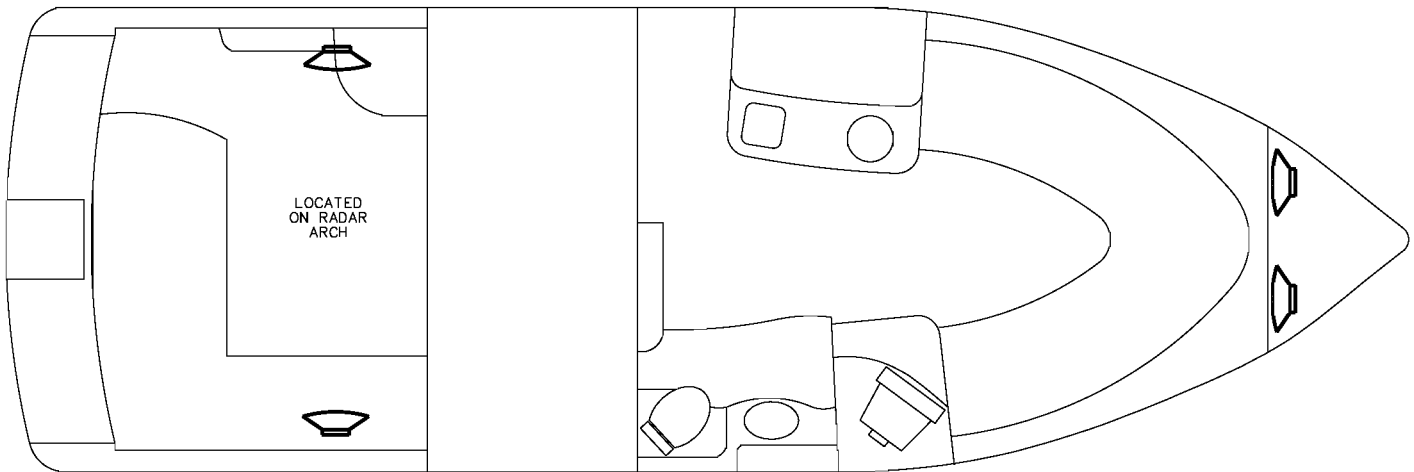
TO OPERATE:

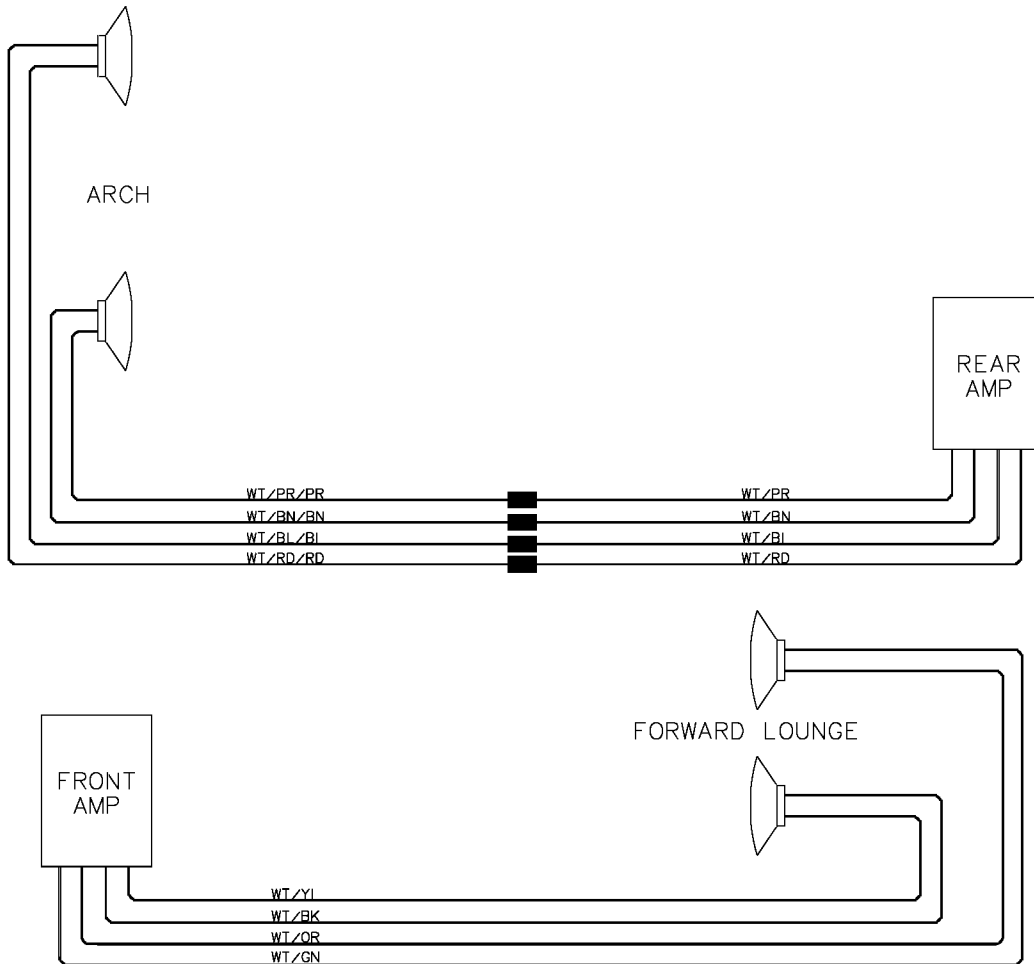
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AFT BREAKER PANEL, THE "CONST POWER" BREAKER MUST BE PUSHED IN (CLOSED).
4. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "STEREO SYSTEM" BREAKERS TO "ON".
5. THE STEREO IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
6. SEE KENWOOD'S OPERATORS MANUAL FOR INSTRUCTIONS ON OPERATING STEREO FUNCTIONS.



# LEGEND

SPEAKER





# LEGEND

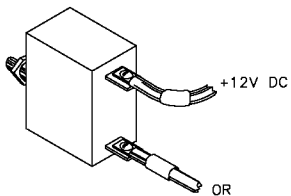
BREAKER PANEL 

TRIM PUMP 

PLUG 

DC GROUND 

TRIM TAB BKR 20A  
(DASH BKR PANEL)  
(REAR VIEW)



TRIM TAB SWITCHES  
(SHIFTER PANEL)  
(REAR VIEW)

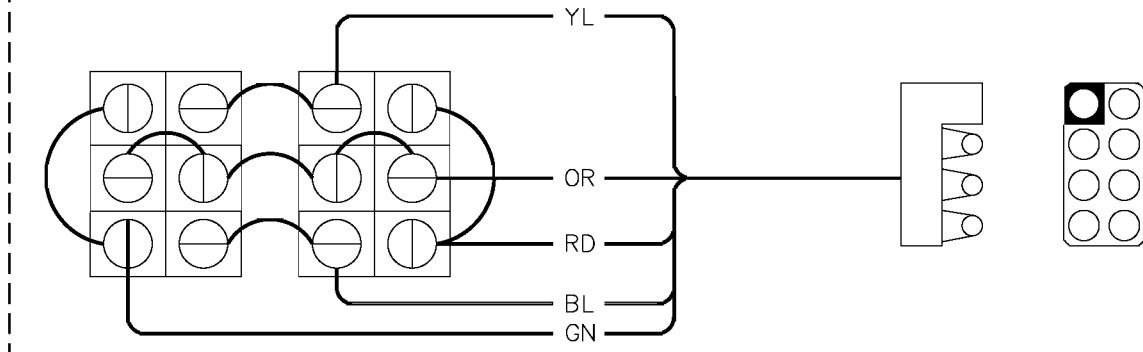


FIG. 1

TRIM TAB  
PIGTAIL  
#8388

OR  
DASH  
BREAKER  
PIGTAIL  
#8147

SEE FIG. 1

RD  
BL  
YL  
GN

HULL HARNESS #8145

DECK HARNESS #8142

TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "TRIM TAB" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE TRIM TABS CAN NOW BE OPERATED BY THE "TABS" SWITCH ON THE SHIFTER PANEL.

# LEGEND

BREAKER  
PANEL



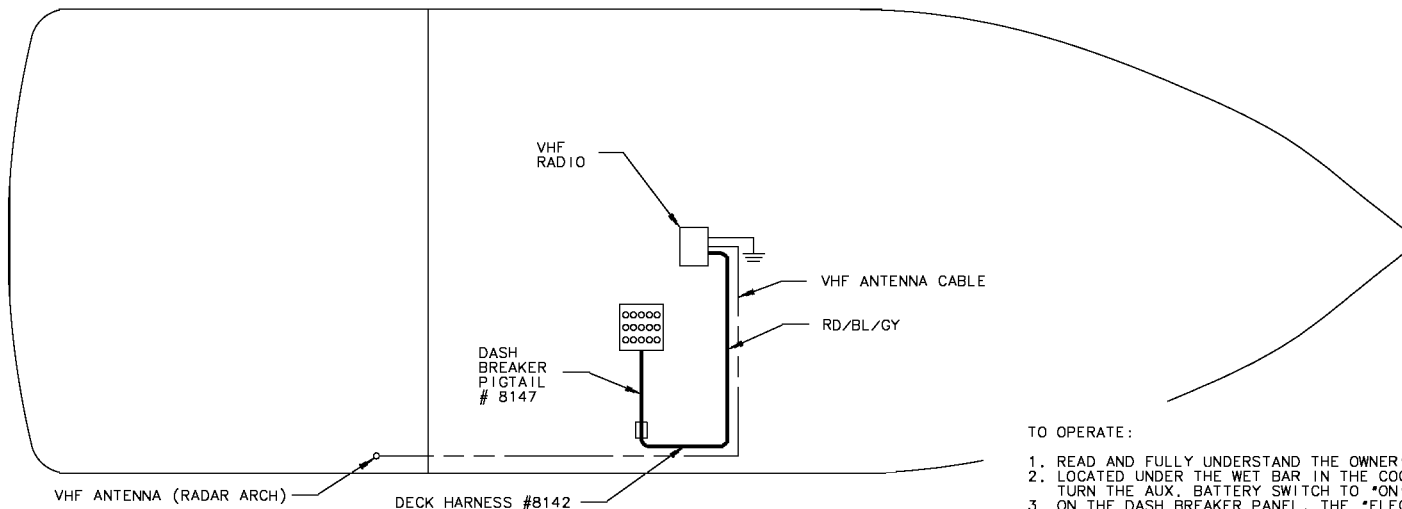
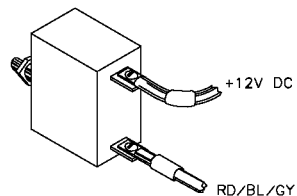
PLUG



DC GROUND



ELECTRONICS BKR 10A  
(DASH BKR PANEL)  
(REAR VIEW)

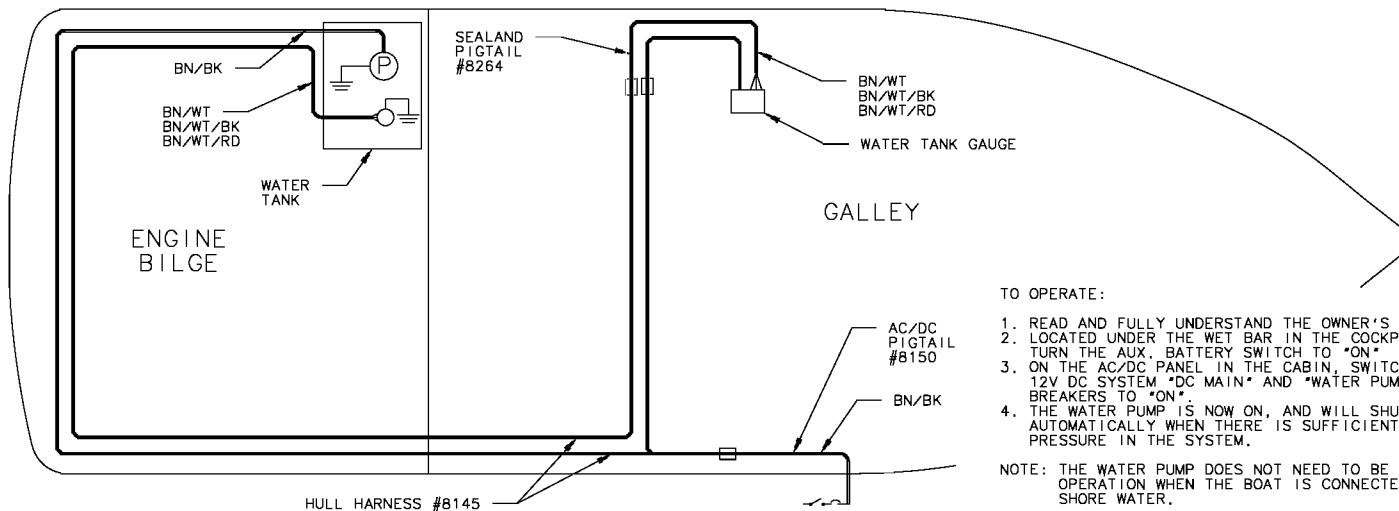
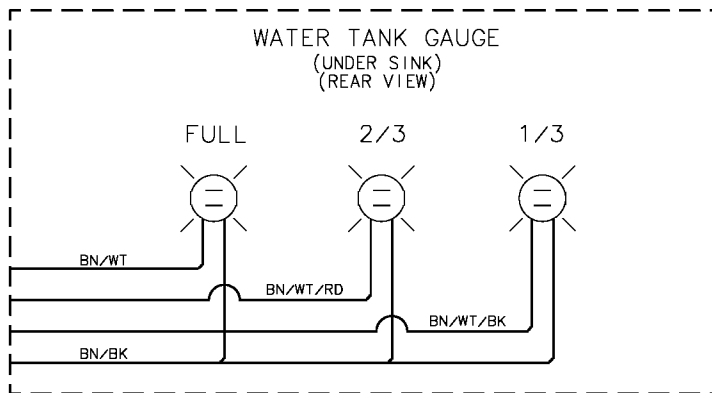


### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE VHF RADIO IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE VHF RADIO OPERATORS MANUAL FOR INSTRUCTIONS ON OPERATING RADIO FUNCTIONS.

# LEGEND

BREAKER PANEL	oooo oooo oooo
WATER PUMP	(P)
BREAKER SWITCH	~
PLUG	□
DC GROUND	⊥



### TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE 12V DC SYSTEM "DC MAIN" AND "WATER PUMP" BREAKERS TO "ON".
4. THE WATER PUMP IS NOW ON, AND WILL SHUT OFF AUTOMATICALLY WHEN THERE IS SUFFICIENT WATER PRESSURE IN THE SYSTEM.

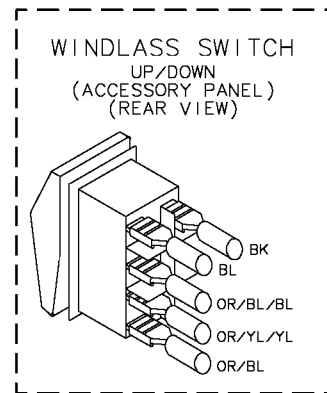
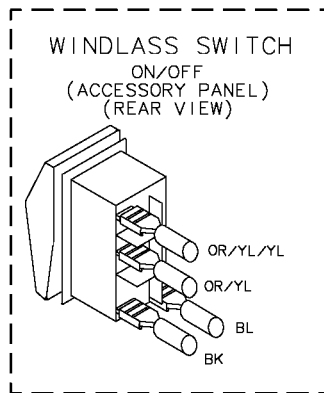
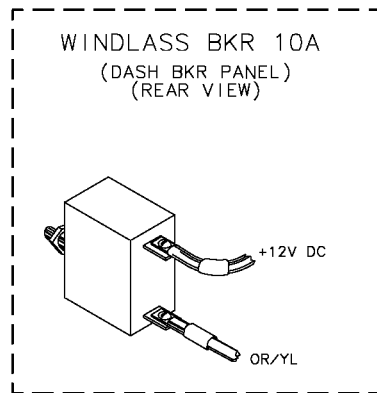
NOTE: THE WATER PUMP DOES NOT NEED TO BE IN OPERATION WHEN THE BOAT IS CONNECTED TO SHORE WATER.

### WARNING!

MAKE SURE WATER TANK HAS SUFFICIENT AMOUNT OF WATER TO RUN SYSTEM. RUNNING THE SYSTEM DRY CAN CAUSE DAMAGE TO WATER PUMP.

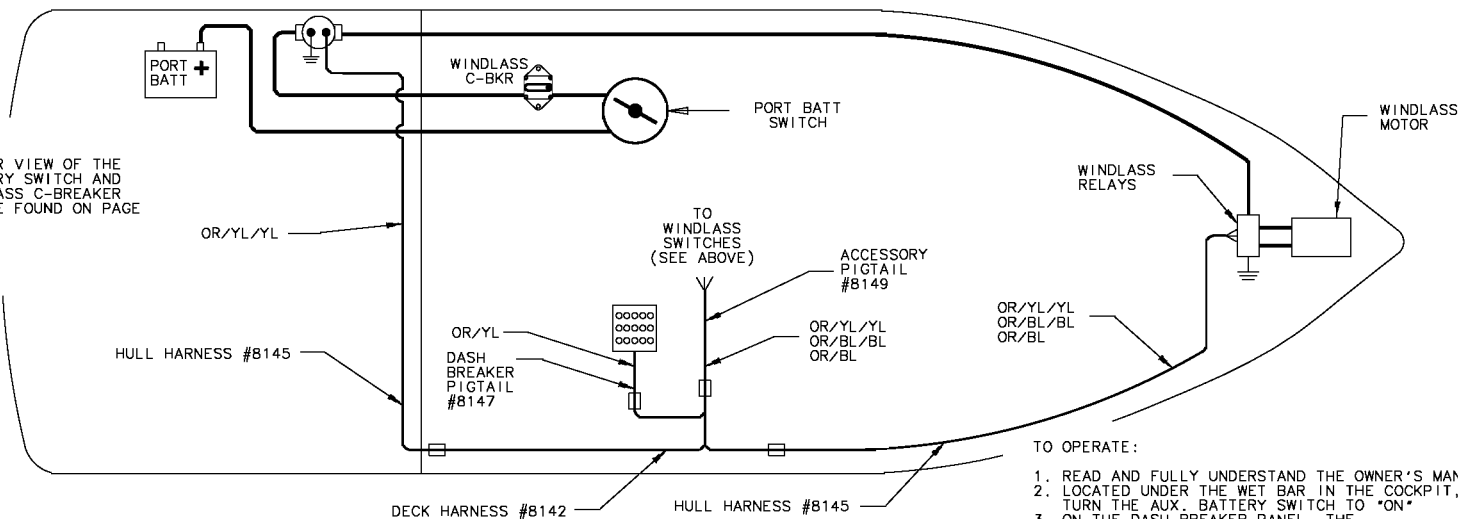
# LEGEND

BREAKER PANEL	
SOLENOID	
PLUG	
DC GROUND	
C-BREAKER	
BATTERY SWITCH	



NOTE:

A REAR VIEW OF THE BATTERY SWITCH AND WINDLASS C-BREAKER MAY BE FOUND ON PAGE 14.

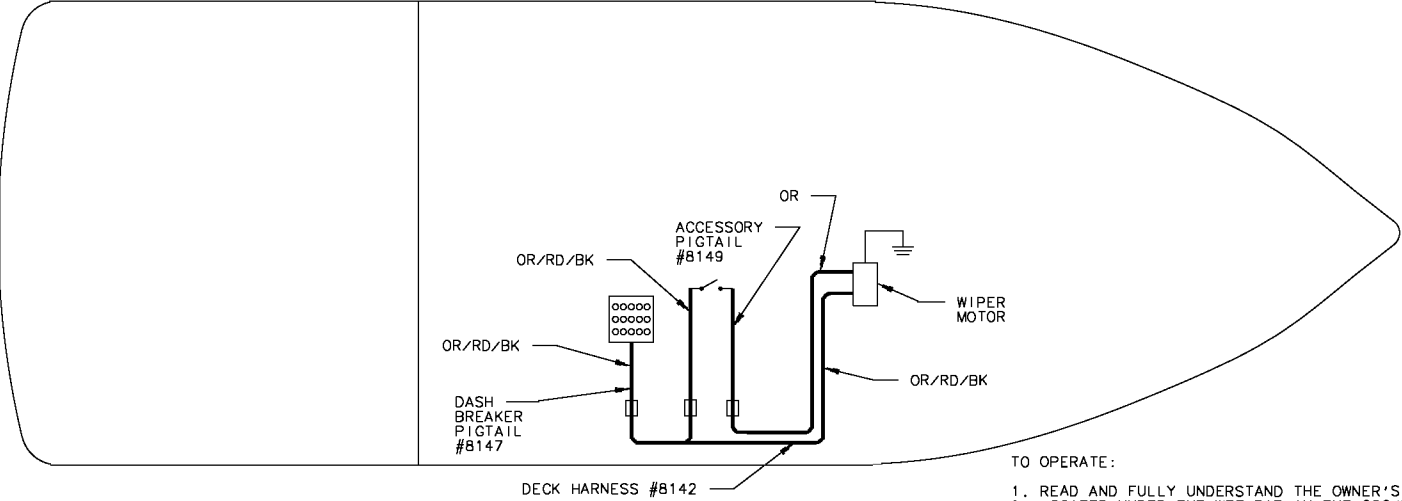
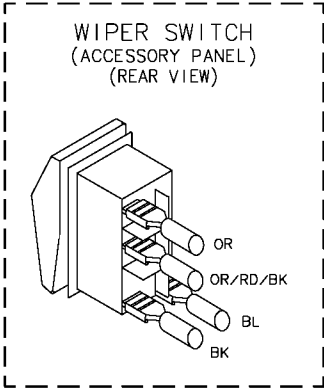
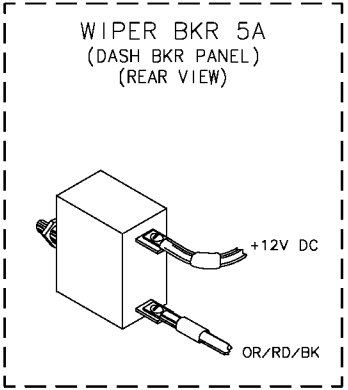


TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BATT PAR/WNDLS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE WINDLASS CAN NOW BE OPERATED BY THE "WINDLASS ON/OFF" AND "WINDLASS UP/DOWN" SWITCHES ON THE ACCESSORY PANEL.

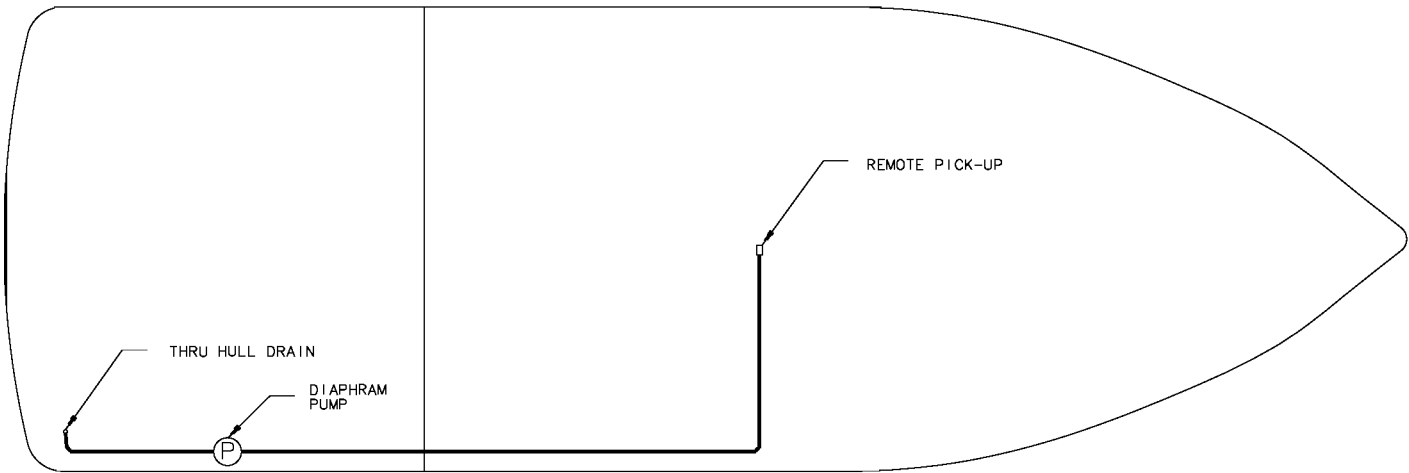
# LEGEND

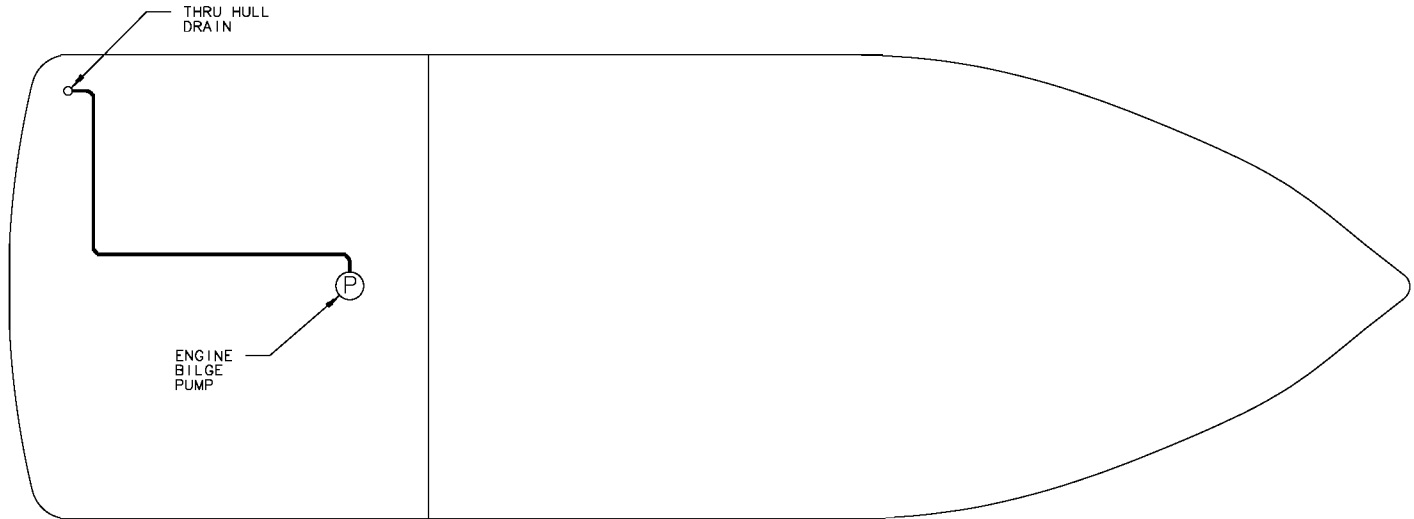
BREAKER PANEL	
SWITCH	
PLUG	
DC GROUND	

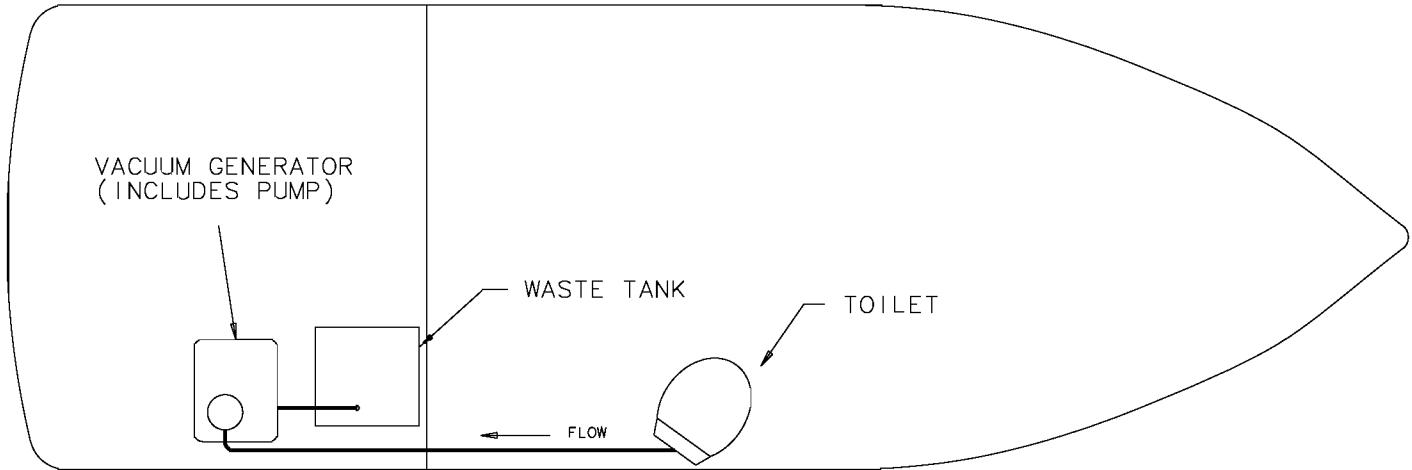


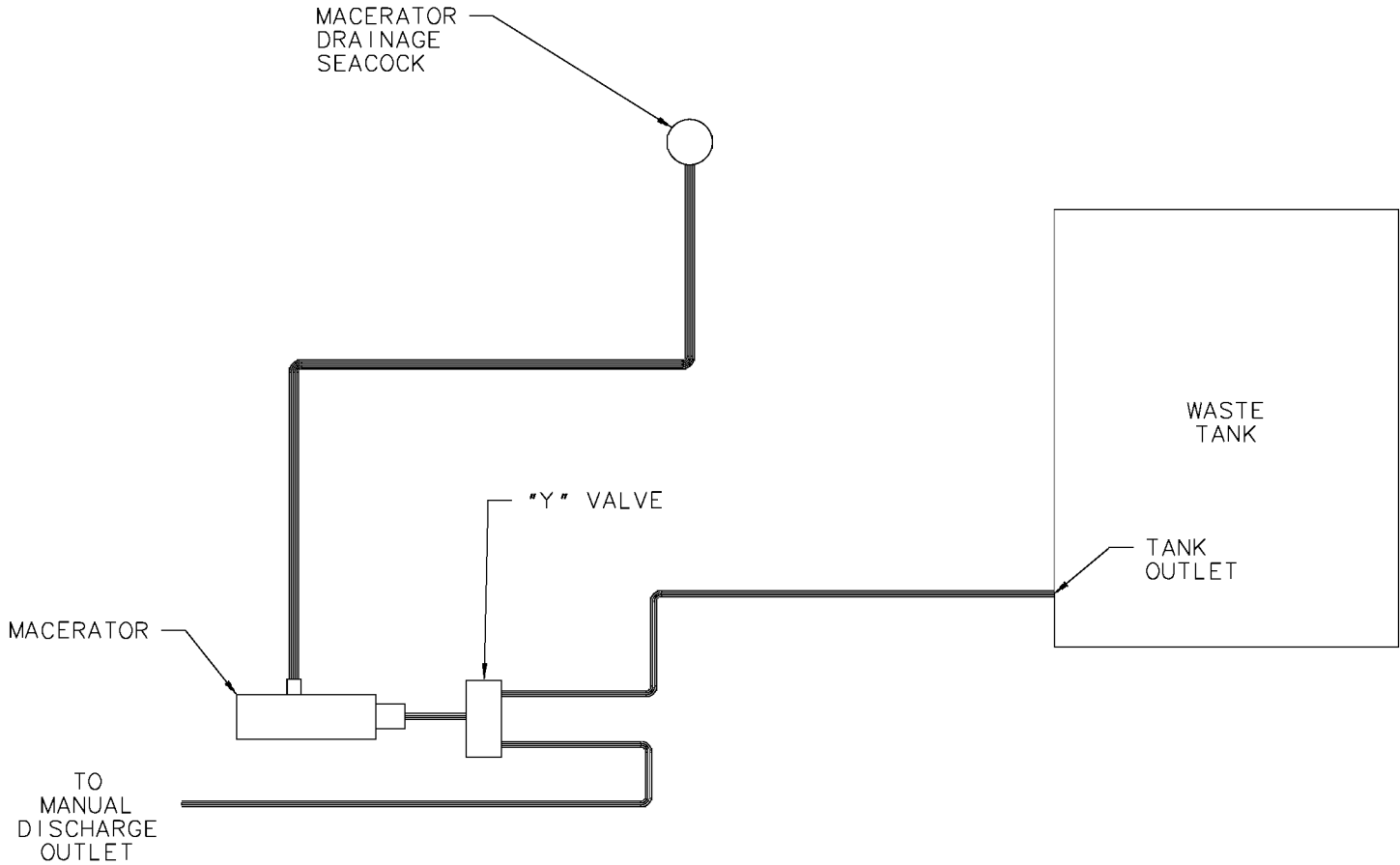
- TO OPERATE:
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
  2. LOCATED UNDER THE WET BAR IN THE COCKPIT, TURN THE AUX. BATTERY SWITCH TO "ON".
  3. ON THE DASH BREAKER PANEL, THE "STBD WIPER" BREAKER MUST BE PUSHED IN (CLOSED).
  4. THE WIPER CAN NOW BE OPERATED BY THE "WIPER" SWITCH ON THE ACCESSORY PANEL.

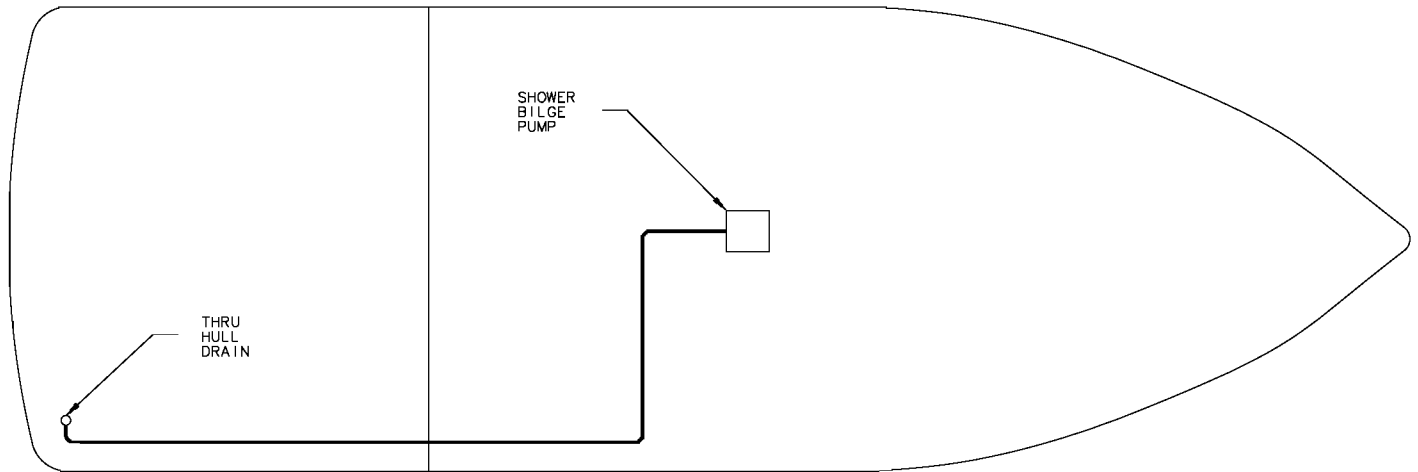










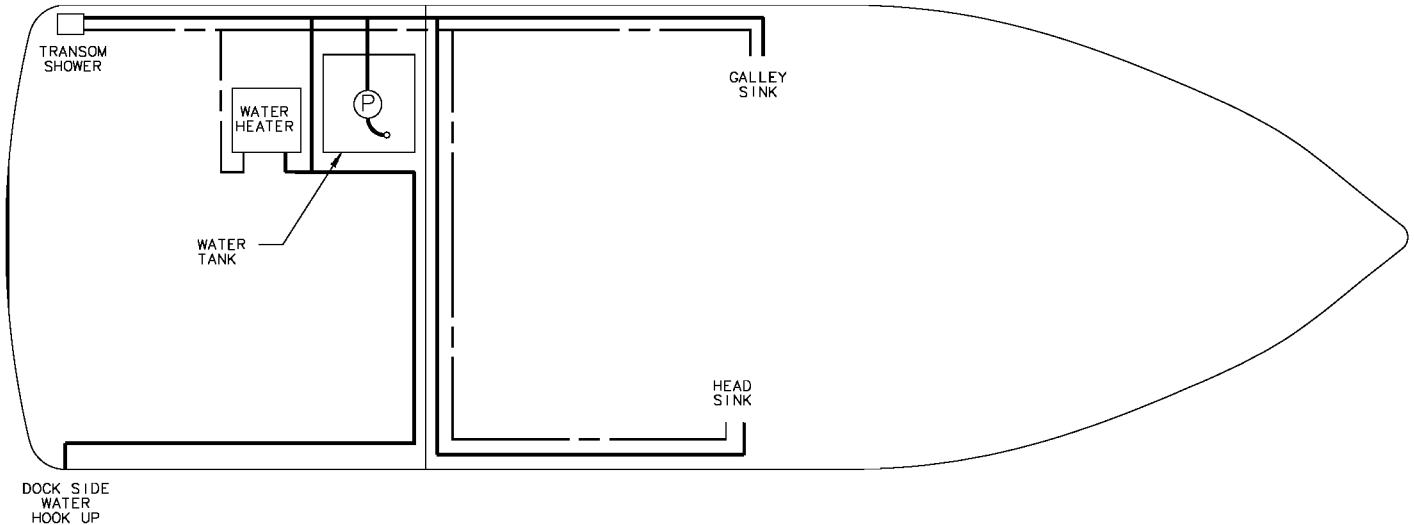


# LEGEND





WATER PUMP (P)

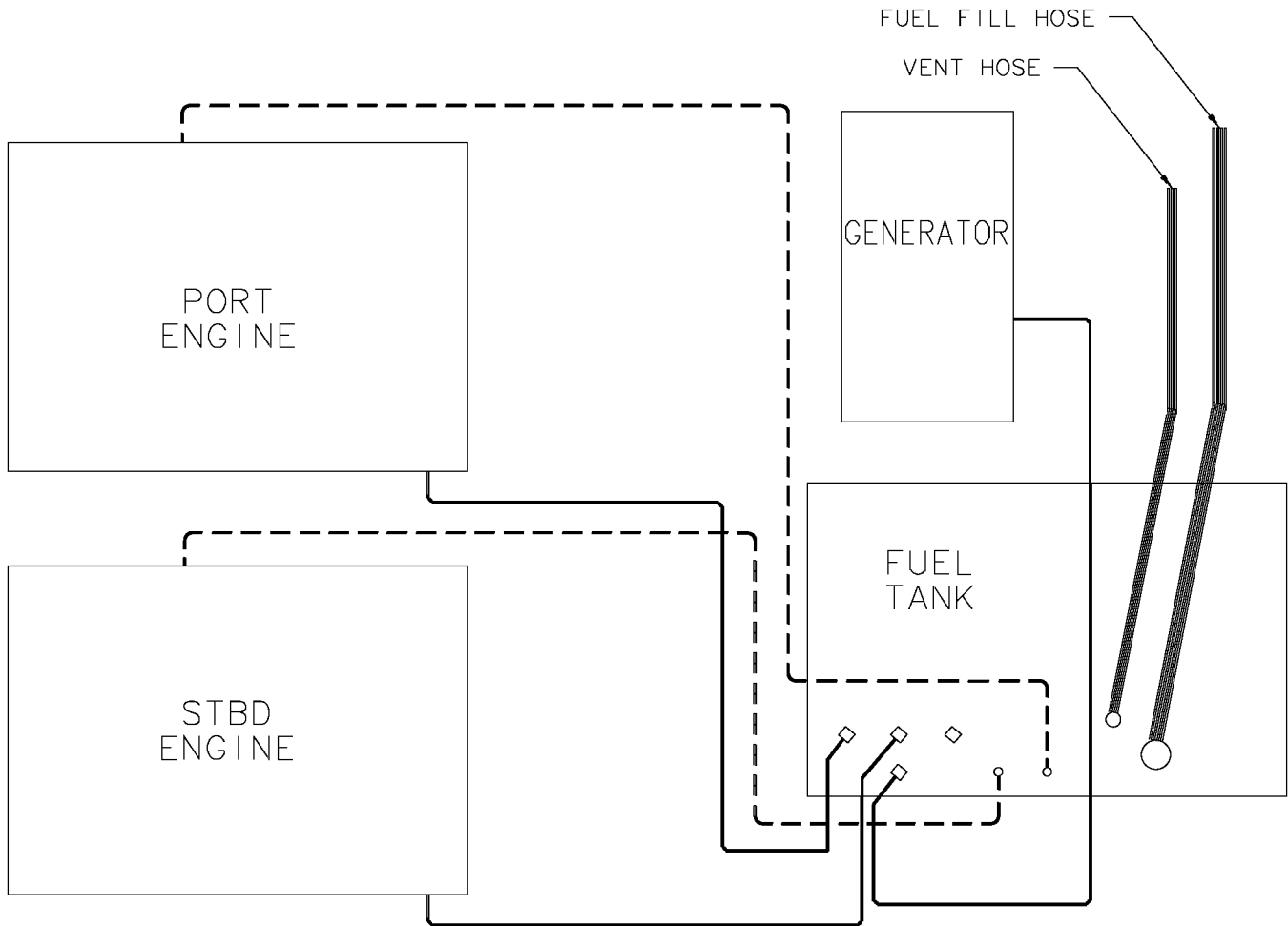
COLD WATER LINE (solid line)

HOT WATER LINE (dashed line)






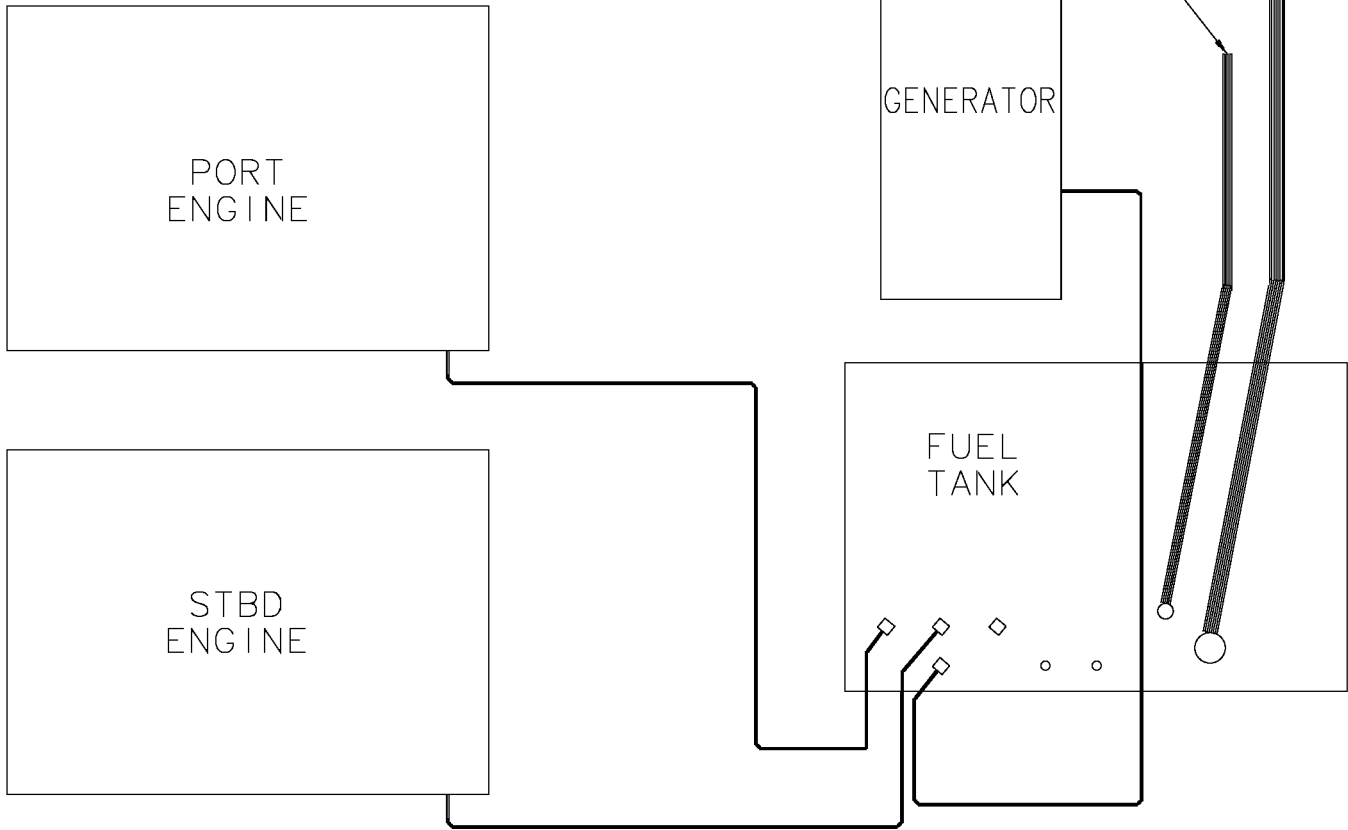
# LEGEND

FUEL FILL HOSE	
VENT HOSE	
FUEL LINE	
FUEL RETURN LINE	



# LEGEND

FUEL FILL HOSE	
VENT HOSE	
FUEL LINE	





## BONDING POINTS

- 1 ..TRANSOM BONDING (PORT)
- 2 ..TRANSOM BONDING (STBD)
- 3 ..TREATMENT SEACOCK BONDING
- 4 ..FUEL FILL BONDING
- 5 ..GENERATOR THRU-HULL BONDING
- 6 ..AIR COND. THRU-HULL BONDING
- 7 ..FUEL TANK BONDING
- 8 ..DYNA PLATE BONDING
- 9 ..DRAIN PLUG BONDING

