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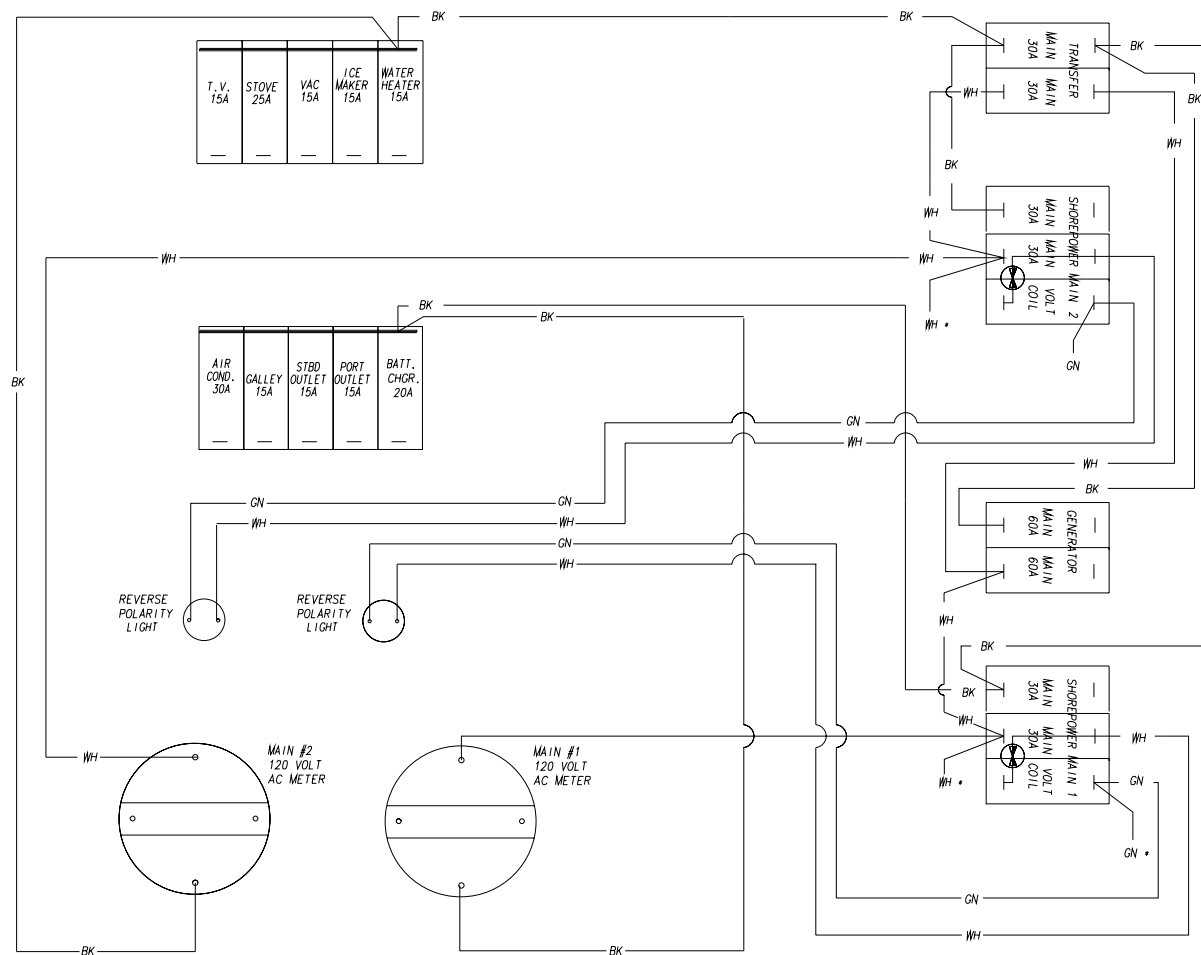
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THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: 110V AC
SCHEMATIC
MOD.: 34-PC
DR BY: JAW

04



TITLE: 220V AC SCHEMATIC	
MOD.: 34-PC	05
DR BY: JAW	

05

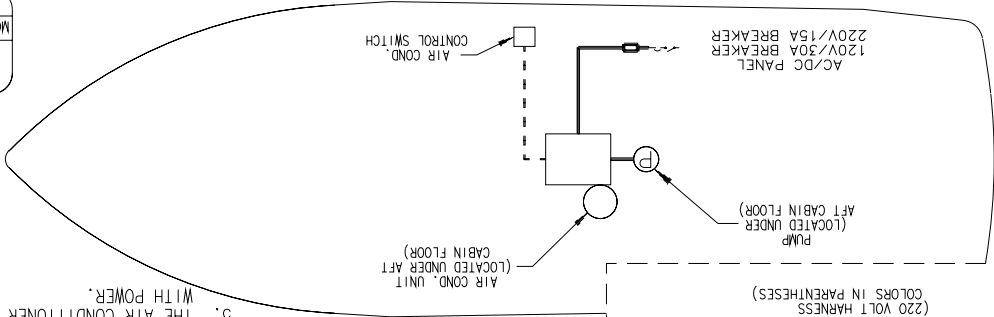
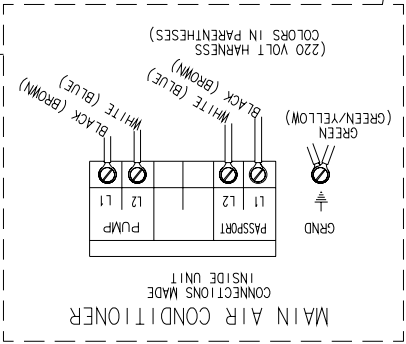


THUNDERBIRD
PRODUCTS
ENGINEERING

LEGEND

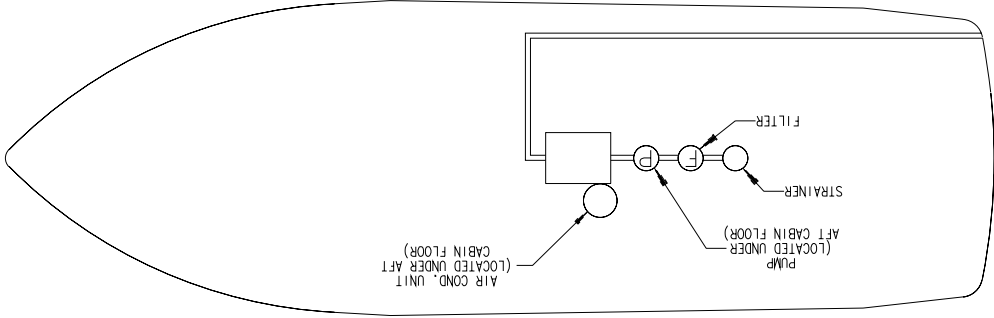
AC PLUG	
3 WIRE AC CONDUCTOR	
CONTROL CABLE	

CAUTION!
DO NOT RUN BOTH AIR CONDITIONER
AND HEATER AT THE SAME TIME.
DOING THIS MAY TRIP THE BREAKER.



06A
MOD.: 34-PC
DR. BY: JAW
TITLE: AIR CONDITONER,
ELECTRICAL

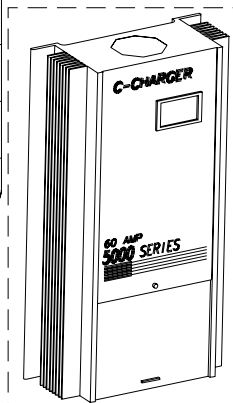
- TO OPERATE:
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
 2. BEHIND THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKERS TO "ON".
 3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO "ON" OR GENERATOR BREAKER TO "ON".
 4. AT THE AC/DC PANEL, SWITCH THE "AIR COND." BREAKER TO "ON".
 5. THE AIR CONDITIONER IS NOW SUPPLIED WITH POWER.



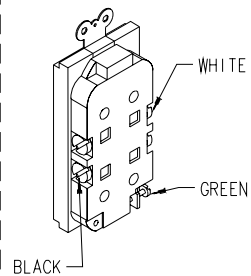
06B
MOD.: 34-PC
DR. BY: JAW
TITLE: AIR CONDITONER,
PLUMBING

LEGEND

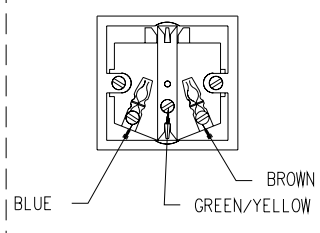
OUTLET	●
BREAKER	— —
AC PLUG	□
JUNCTION BOX	⊠



120V OUTLET



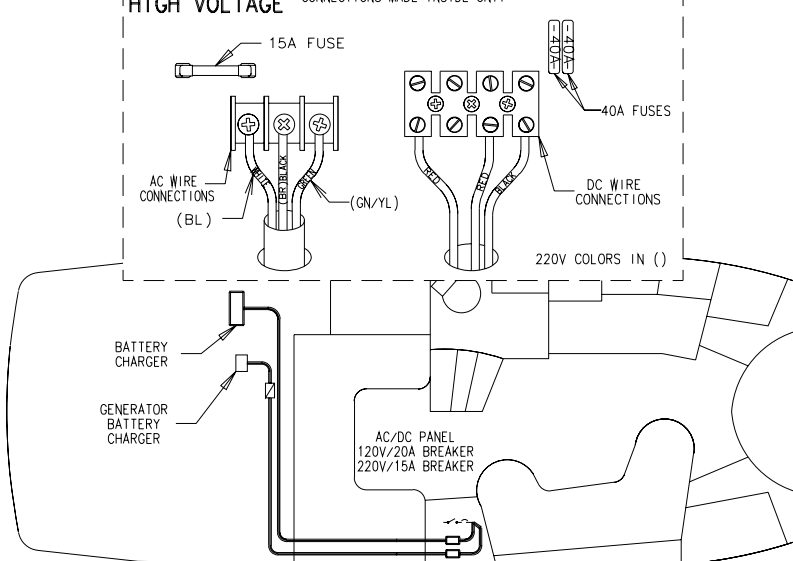
220V OUTLET



THUNDERBIRD
PRODUCTS
ENGINEERING

CAUTION!
HIGH VOLTAGE

BATTERY CHARGER
CONNECTIONS MADE INSIDE UNIT



TO OPERATE:

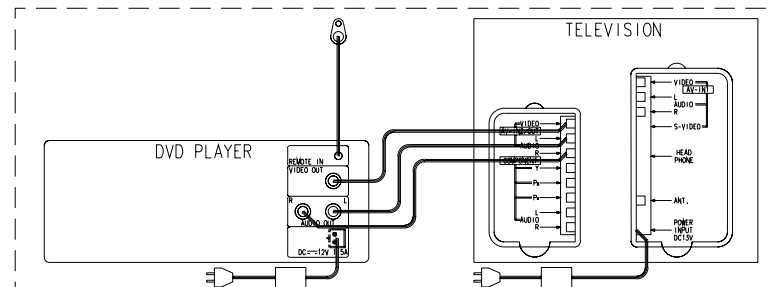
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR, #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "BATT. CHARGER" BREAKER TO "ON".
5. CHECK FACE OF BATTERY CHARGER FOR "DC AVAILABLE" LIGHT.
6. AFTER 24 HOURS OF CHARGING, BATTERIES SHOULD READ 12+ VOLTS ON THE DASH VOLTMETER.
7. IF BATTERIES READ BELOW 12V OR DROP BELOW 12V WITHIN 15 MINUTES, HAVE THE BATTERIES CHECKED.

TITLE: BATTERY
CHARGERS

MOD.: 34-PC
DR BY: JAW

7A

TELEVISION



TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2, OR #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "TELEVISION" BREAKER TO "ON".
5. THE TELEVISION IS NOW SUPPLIED WITH POWER.

TITLE: TELEVISION

MOD.: 34-PC
DR BY: JAW

7B

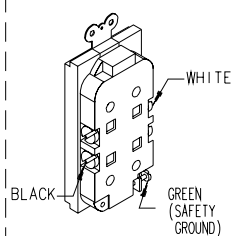
LEGEND

BREAKER
SWITCH 

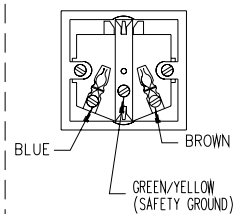
OUTLET

AC PLUG 

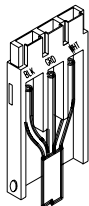
110V AC OUTLET
(REAR VIEW)



220V AC OUTLET
(REAR VIEW)



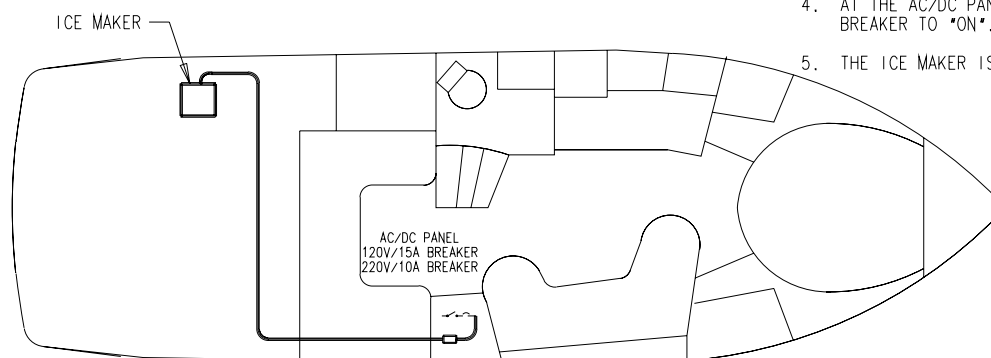
AC HARNESS PLUG



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT STBD SIDE, SWITCH SHOREPOWER BREAKERS TO *ON*.
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO *ON*, OR GENERATOR BREAKER TO *ON*.
4. AT THE AC/DC PANEL, SWITCH THE *ICE MAKER* BREAKER TO *ON*.
5. THE ICE MAKER IS NOW SUPPLIED WITH POWER.

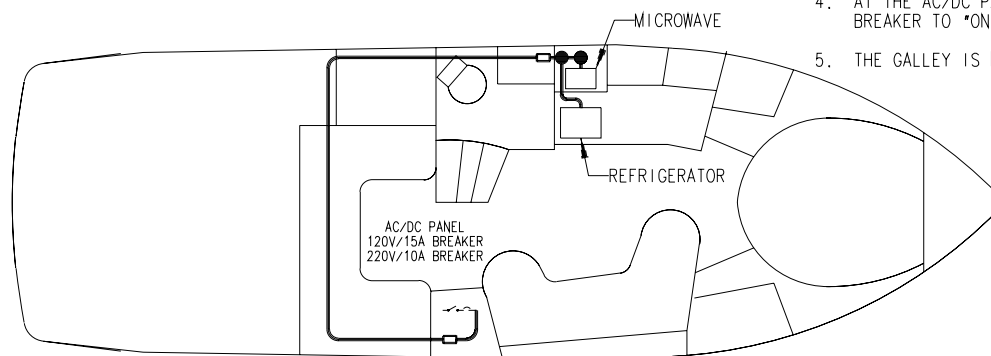


TITLE: ICE MAKER
MOD.: 34-PC
DR BY: JAW

09A

TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT STBD SIDE, SWITCH SHOREPOWER BREAKERS TO *ON*.
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO *ON*, OR GENERATOR BREAKER TO *ON*.
4. AT THE AC/DC PANEL, SWITCH THE *GALLEY* BREAKER TO *ON*.
5. THE GALLEY IS NOW SUPPLIED WITH POWER.



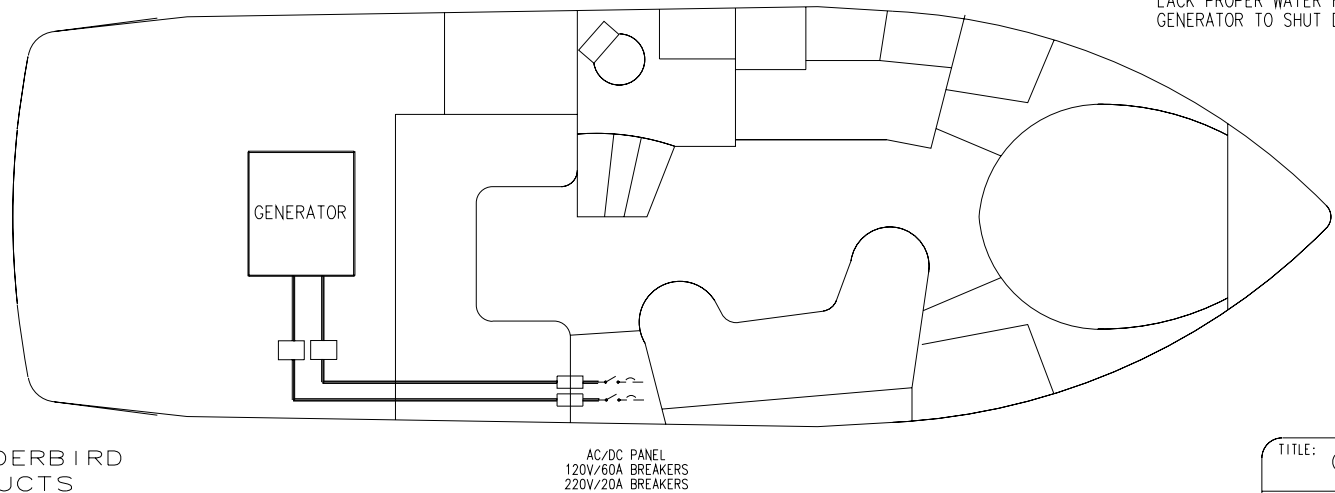
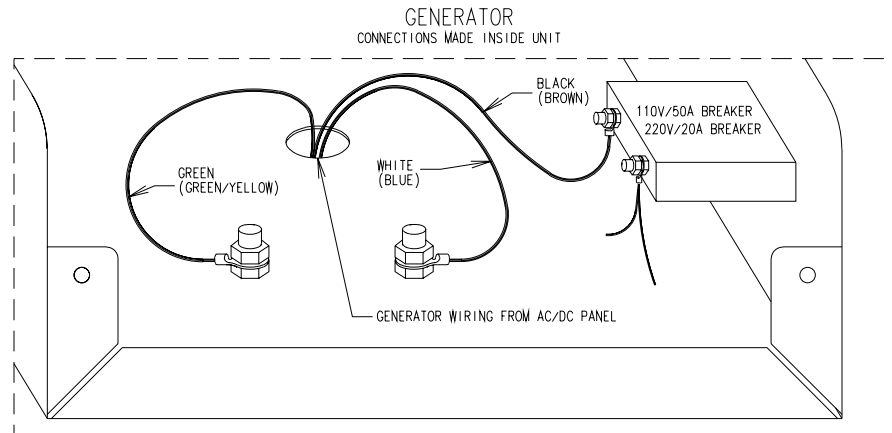
TITLE: GALLEY
MOD.: 34-PC
DR BY: JAW

09B

LEGEND

PLUG 

BREAKER SWITCH 



AFTER READING AND UNDERSTANDING THE GENERATOR OPERATOR'S MANUAL:

OPERATE GENERATOR FROM THE REMOTE SWITCH:

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

CAUTION! AT OR ABOVE CRUISING SPEEDS GENERATOR COOLING SYSTEM MAY LACK PROPER WATER FLOW CAUSING GENERATOR TO SHUT DOWN.



THUNDERBIRD
PRODUCTS
ENGINEERING

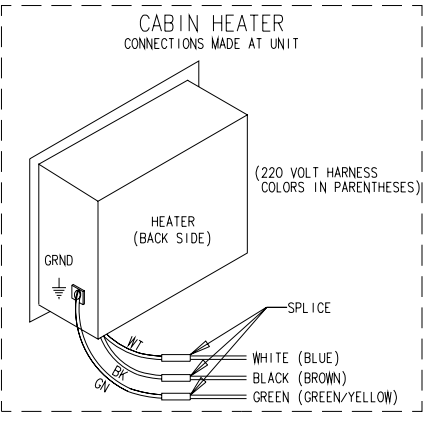
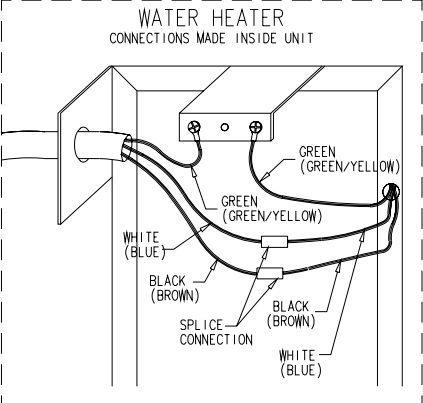
TITLE: GENERATOR

MOD.: 34-PC
DR BY: JAW

08

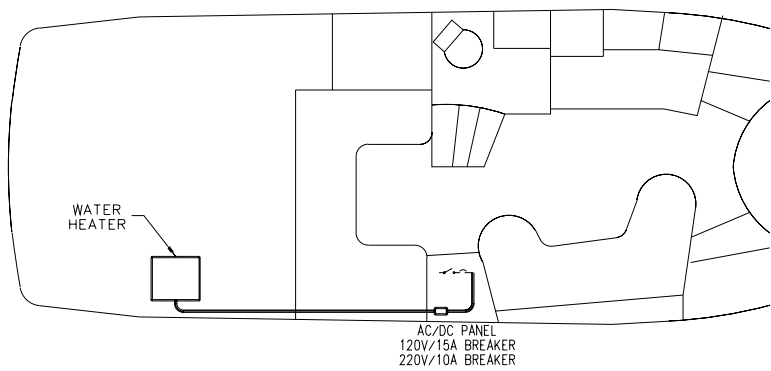
LEGEND

CONTROL CABLE	----
3 WIRE AC CONDUCTOR	—
AC PLUG	□



THUNDERBIRD
PRODUCTS
ENGINEERING

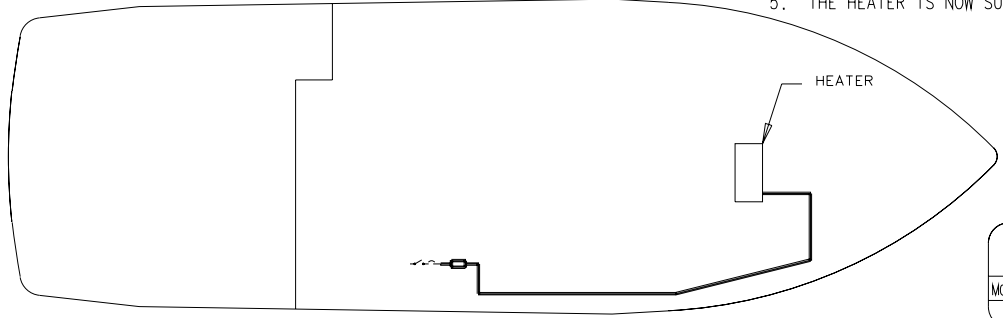
CAUTION!
BE SURE THE BOAT IS SUPPLIED WITH
WATER IN THE FRESH WATER TANK.



- TO OPERATE:
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
 2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKERS TO "ON".
 3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR , #1 AND TRANSFER TO "ON".
- OR
- AT THE AC/DC PANEL IN THE CABIN, SWITCH THE GENERATOR BREAKERS AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "WATER HEATER" BREAKER TO "ON".
 5. THE WATER HEATER IS NOW SUPPLIED WITH POWER.

TITLE: WATER HEATER
MOD.: 34-PC
DR BY: JAW
13A

CAUTION!
DO NOT RUN BOTH AIR CONDITIONER
AND HEATER AT THE SAME TIME.
DOING THIS MAY TRIP THE BREAKER.



- TO OPERATE:
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
 2. BEHIND THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKERS TO "ON".
 3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO "ON" OR GENERATOR BREAKER TO "ON".
 4. AT THE AC/DC PANEL, SWITCH THE "AIR COND." BREAKER TO "ON".
 5. THE HEATER IS NOW SUPPLIED WITH POWER.

TITLE: HEATER, CABIN
MOD.: 34-PC
DR BY: JAW
13B

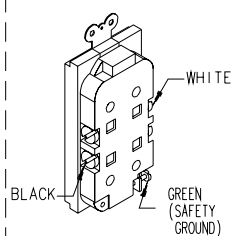
LEGEND

BREAKER
SWITCH 

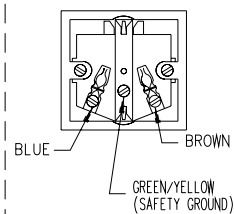
OUTLET

AC PLUG 

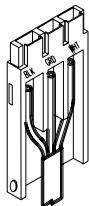
110V AC OUTLET
(REAR VIEW)



220V AC OUTLET
(REAR VIEW)



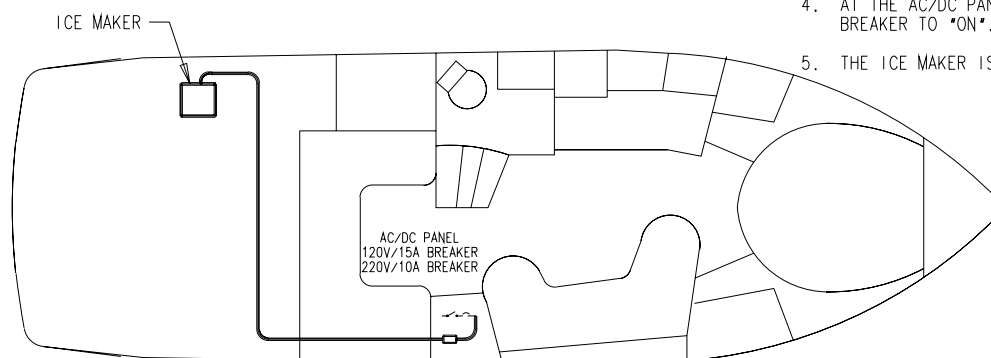
AC HARNESS PLUG



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT STBD SIDE, SWITCH SHOREPOWER BREAKERS TO *ON*.
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO *ON*, OR GENERATOR BREAKER TO *ON*.
4. AT THE AC/DC PANEL, SWITCH THE *ICE MAKER* BREAKER TO *ON*.
5. THE ICE MAKER IS NOW SUPPLIED WITH POWER.

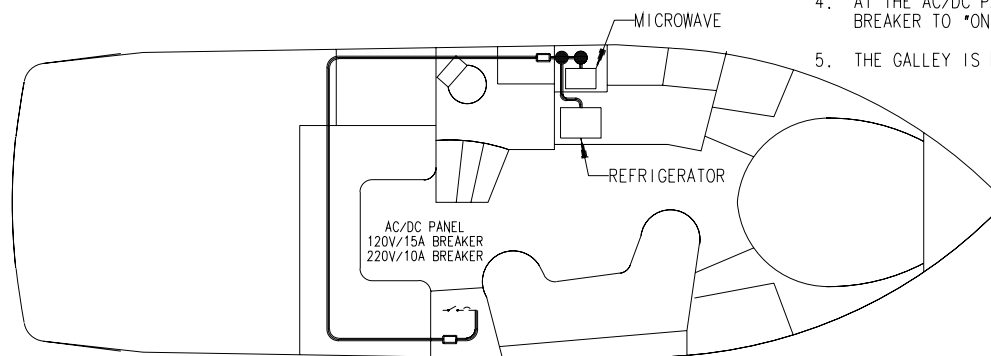


TITLE: ICE MAKER
MOD.: 34-PC
DR BY: JAW

09A

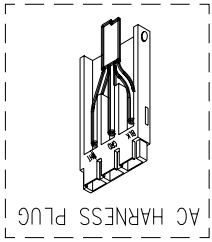
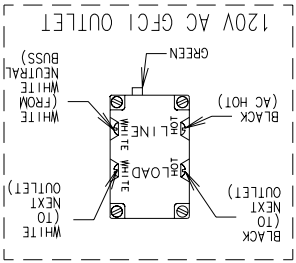
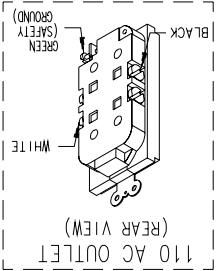
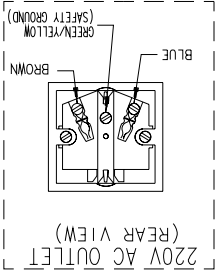
TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT STBD SIDE, SWITCH SHOREPOWER BREAKERS TO *ON*.
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO *ON*, OR GENERATOR BREAKER TO *ON*.
4. AT THE AC/DC PANEL, SWITCH THE *GALLEY* BREAKER TO *ON*.
5. THE GALLEY IS NOW SUPPLIED WITH POWER.

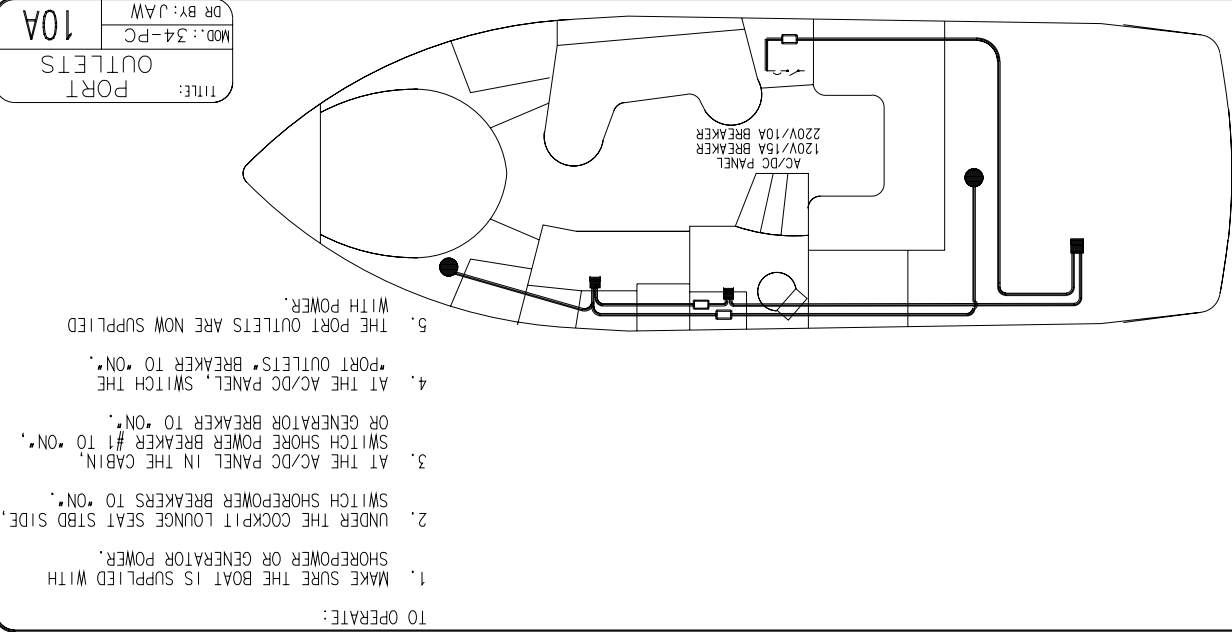
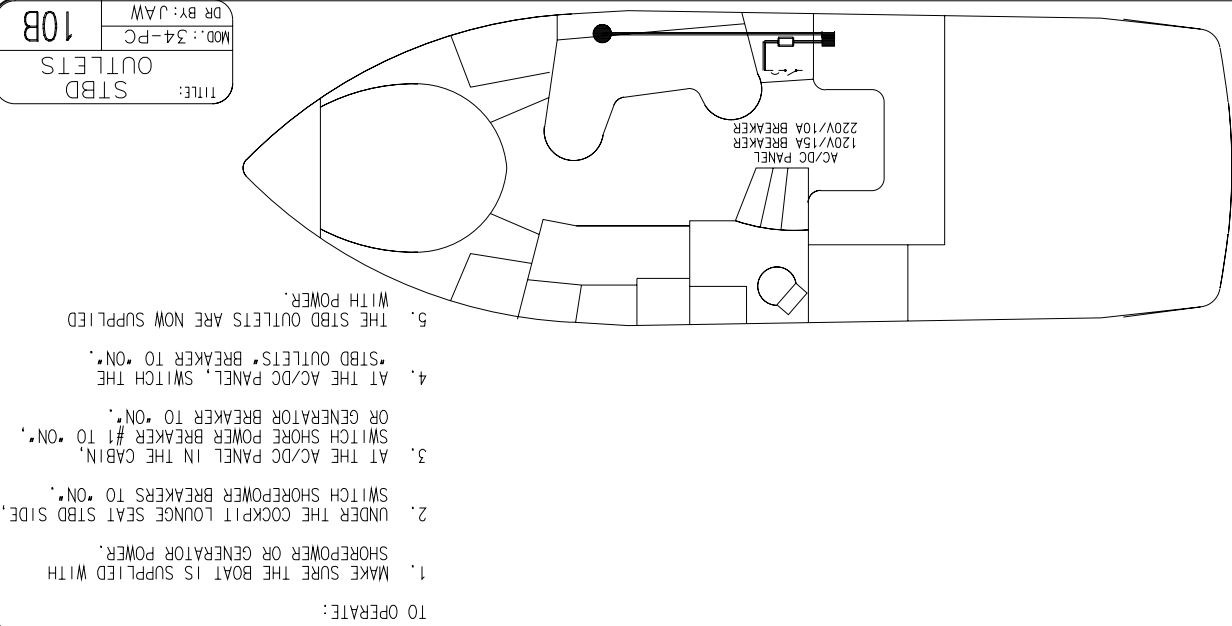


TITLE: GALLEY
MOD.: 34-PC
DR BY: JAW

09B



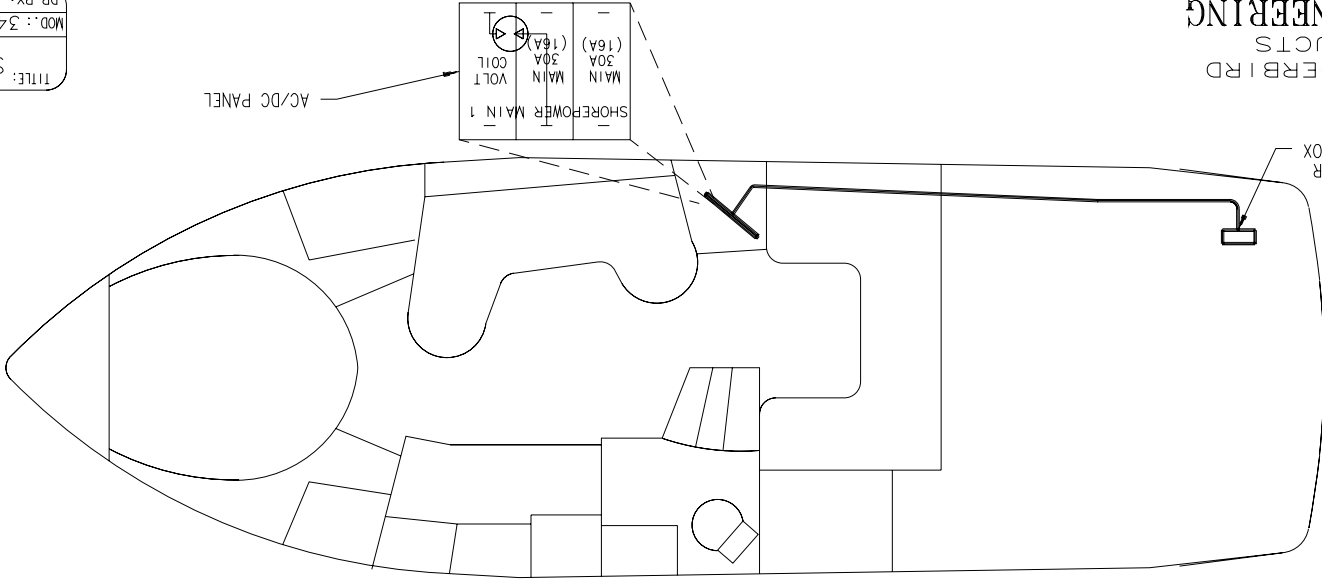
LEGEND	
	OUTLET
	AC PLUG
	GFCI OUTLET
	BREAKER SWITCH





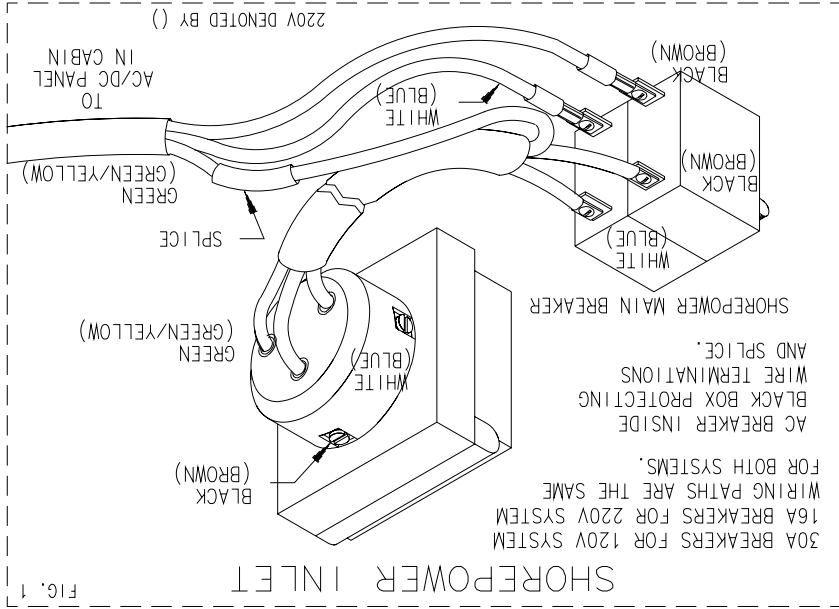
THUNDERBIRD
PRODUCTS
ENGINEERING

SHOREPOWER
BREAKER BOX
(FIG. 1)



SHOREPOWER MAIN 1	MAIN 30A VOLT	MAIN 30A (16A)	MAIN 30A VOLT
1	2	3	4

AC/DC PANEL



30A BREAKERS FOR 120V SYSTEM
16A BREAKERS FOR 220V SYSTEM
WIRING PATHS ARE THE SAME
FOR BOTH SYSTEMS.

AC BREAKER INSIDE
BLACK BOX PROTECTING
WIRE TERMINATIONS
AND SPLICE.

SHOREPOWER MAIN BREAKER

WHITE (BLUE)
GREEN (GREEN/YELLOW)

SPICE

GREEN (GREEN/YELLOW)

TO
AC/DC PANEL
IN CABIN

220V DENOTED BY ()

FIG. 1

SHOREPOWER INLET

*(READ THIS COMPLETELY BEFORE OPERATING)

TO OPERATE:

1. BEFORE PLUGGING INTO SHOREPOWER SWITCH "OFF" ALL AC EQUIPMENT AND MAIN BREAKERS AT AC/DC PANEL IN CABIN. ALSO SWITCH "OFF" SHOREPOWER MAIN BREAKERS BEHIND AFT COCKPIT LOUNGE SEAT (STBD SIDE).
2. PLUG BOAT'S SHOREPOWER CORD(S) INTO SHOREPOWER.
3. SWITCH SHOREPOWER MAIN BREAKERS TO "ON". UNDER AFT LOUNGE SEAT (STBD SIDE).
4. IN CABIN, SWITCH SHOREPOWER BREAKERS TO "ON".
5. WHEN MAIN BREAKERS OR MAIN BREAKER #1 AND TRANSFER ARE "ON" AND NO REVERSE POLARITY LIGHT IS ILLUMINATED, ALL AC EQUIPMENT BREAKERS ARE SUPPLIED WITH POWER.
6. EQUIPMENT IS OPERATIONAL WHEN THE BREAKER BEARING THE EQUIPMENT'S NAME IS "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 ASSISTANCE.

5. WHEN MAIN BREAKERS OR MAIN BREAKER #1 AND TRANSFER ARE "ON" AND NO REVERSE POLARITY LIGHT IS ILLUMINATED, ALL AC EQUIPMENT BREAKERS ARE SUPPLIED WITH POWER.

6. EQUIPMENT IS OPERATIONAL WHEN THE BREAKER BEARING THE EQUIPMENT'S NAME IS "ON".

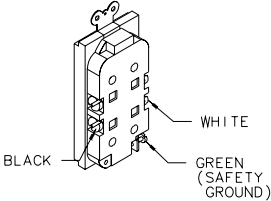
LEGEND

BREAKER SWITCH 

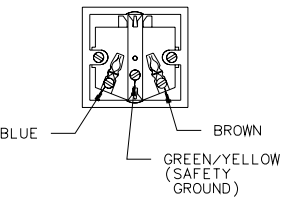
AC PLUG 

OUTLET 

110V AC OUTLET
(REAR VIEW)

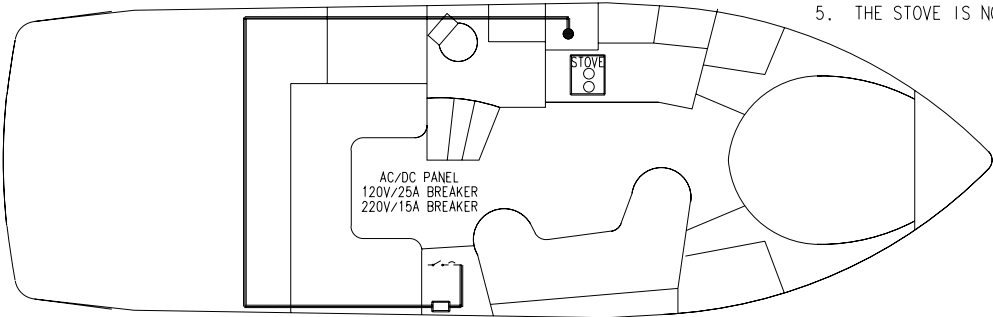


220V AC OUTLET
(REAR VIEW)



TO OPERATE:

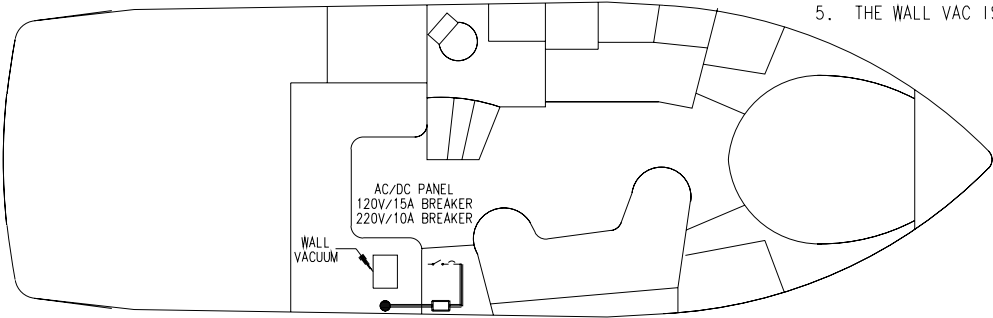
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR, #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL SWITCH THE "STOVE" BREAKER TO "ON".
5. THE STOVE IS NOW SUPPLIED WITH POWER.



TITLE: STOVE
MOD.: 34-PC
DR BY: JAW 11A

TO OPERATE:

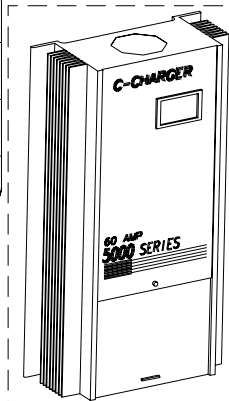
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR, #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL SWITCH THE "VAC" BREAKER TO "ON".
5. THE WALL VAC IS NOW SUPPLIED WITH POWER.



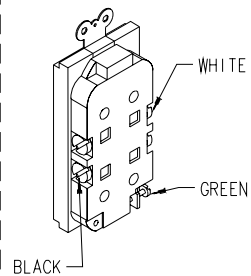
TITLE: WALL VAC
MOD.: 34-PC
DR BY: JAW 11B

LEGEND

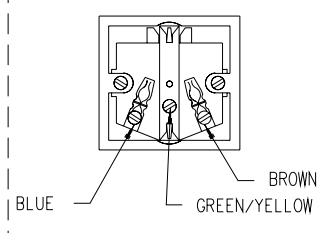
OUTLET	●
BREAKER	⚡
AC PLUG	⏻
JUNCTION BOX	⊠



120V OUTLET



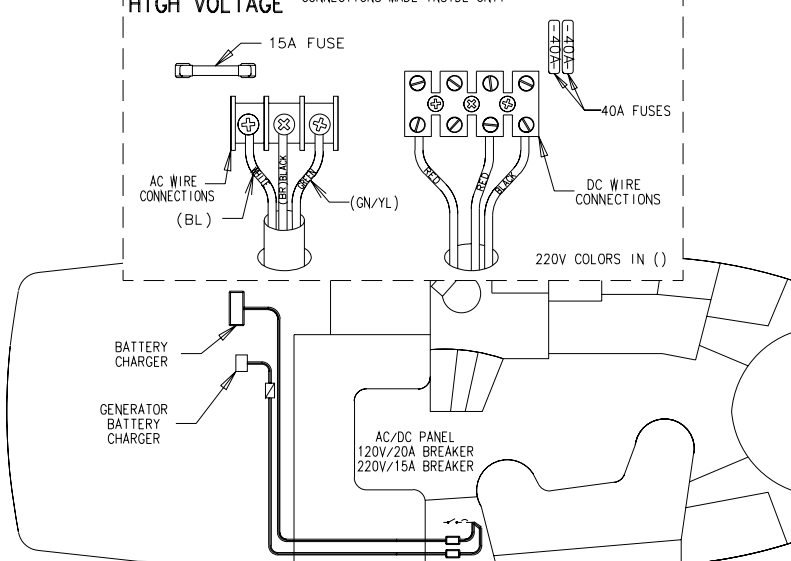
220V OUTLET



THUNDERBIRD
PRODUCTS
ENGINEERING

CAUTION!
HIGH VOLTAGE

BATTERY CHARGER
CONNECTIONS MADE INSIDE UNIT



TO OPERATE:

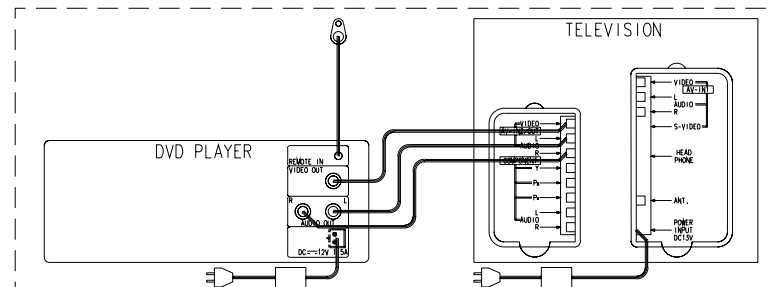
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR, #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "BATT. CHARGER" BREAKER TO "ON".
5. CHECK FACE OF BATTERY CHARGER FOR "DC AVAILABLE" LIGHT.
6. AFTER 24 HOURS OF CHARGING, BATTERIES SHOULD READ 12+ VOLTS ON THE DASH VOLTMETER.
7. IF BATTERIES READ BELOW 12V OR DROP BELOW 12V WITHIN 15 MINUTES, HAVE THE BATTERIES CHECKED.

TITLE: BATTERY
CHARGERS

MOD.: 34-PC
DR BY: JAW

7A

TELEVISION



TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2, OR #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "TELEVISION" BREAKER TO "ON".
5. THE TELEVISION IS NOW SUPPLIED WITH POWER.

TITLE: TELEVISION

MOD.: 34-PC
DR BY: JAW

7B

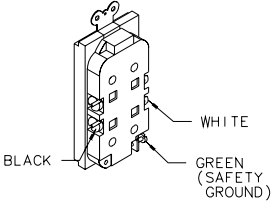
LEGEND

BREAKER SWITCH 

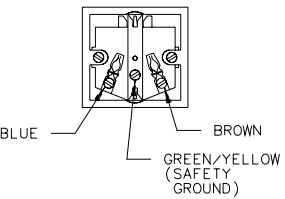
AC PLUG 

OUTLET 

110V AC OUTLET
(REAR VIEW)

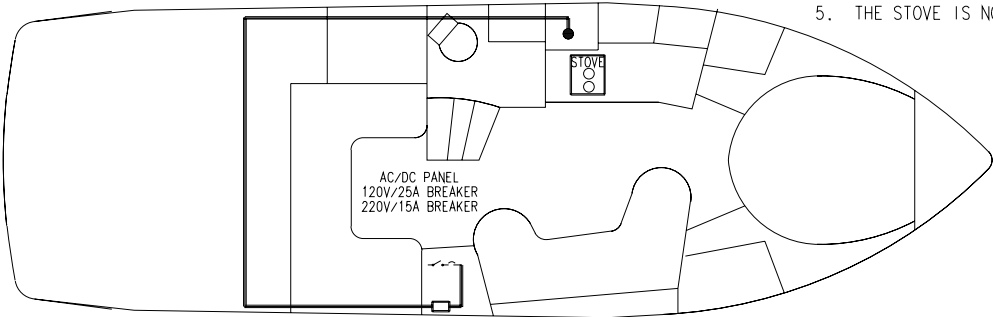


220V AC OUTLET
(REAR VIEW)



TO OPERATE:

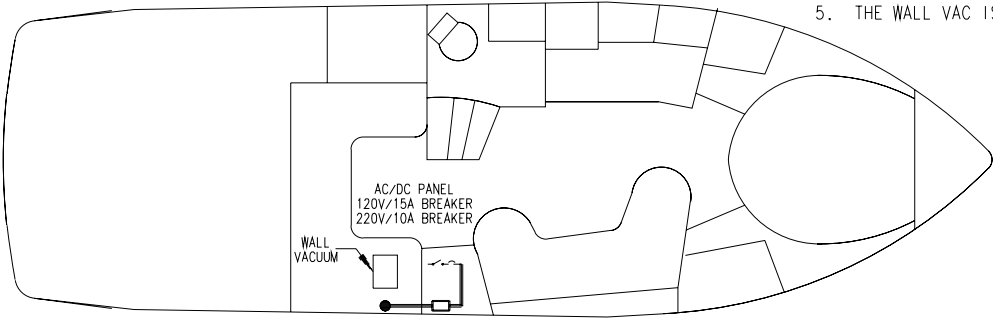
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR, #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL SWITCH THE "STOVE" BREAKER TO "ON".
5. THE STOVE IS NOW SUPPLIED WITH POWER.



TITLE: STOVE
MOD.: 34-PC
DR BY: JAW 11A

TO OPERATE:

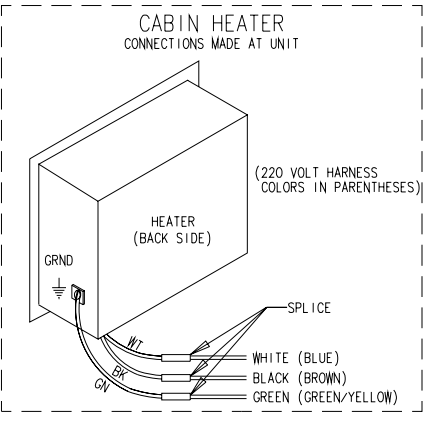
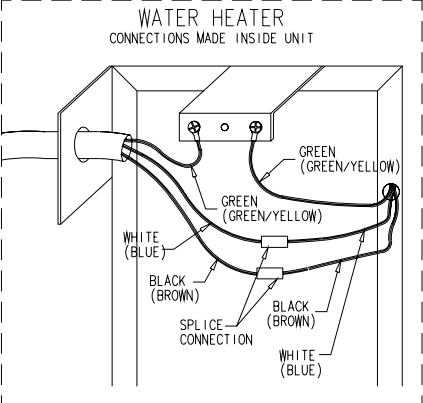
1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKER TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR, #1 AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL SWITCH THE "VAC" BREAKER TO "ON".
5. THE WALL VAC IS NOW SUPPLIED WITH POWER.



TITLE: WALL VAC
MOD.: 34-PC
DR BY: JAW 11B

LEGEND

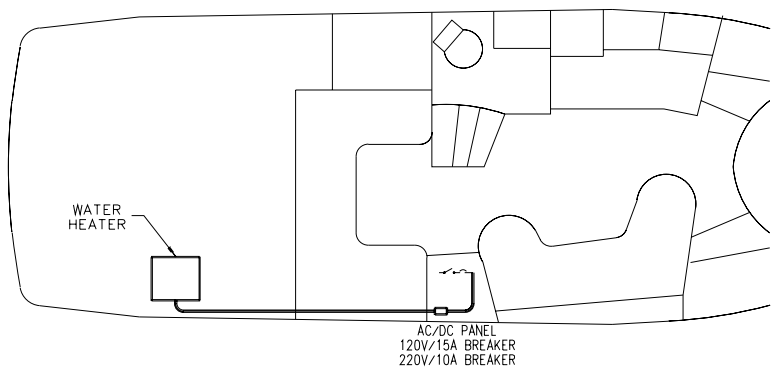
CONTROL CABLE	----
3 WIRE AC CONDUCTOR	—
AC PLUG	□



THUNDERBIRD
PRODUCTS
ENGINEERING

CAUTION!

BE SURE THE BOAT IS SUPPLIED WITH WATER IN THE FRESH WATER TANK.



TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. UNDER THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKERS TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 AND #2 OR , #1 AND TRANSFER TO "ON".

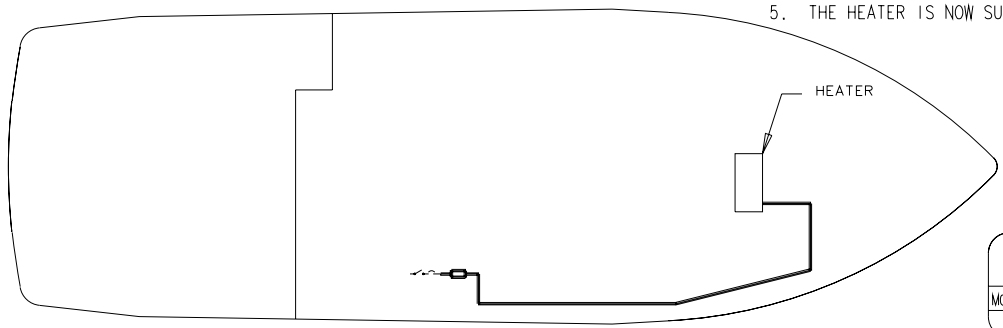
OR

- AT THE AC/DC PANEL IN THE CABIN, SWITCH THE GENERATOR BREAKERS AND TRANSFER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "WATER HEATER" BREAKER TO "ON".
 5. THE WATER HEATER IS NOW SUPPLIED WITH POWER.

TITLE:	WATER HEATER
MOD.: 34-PC	13A
DR BY: JAW	

CAUTION!

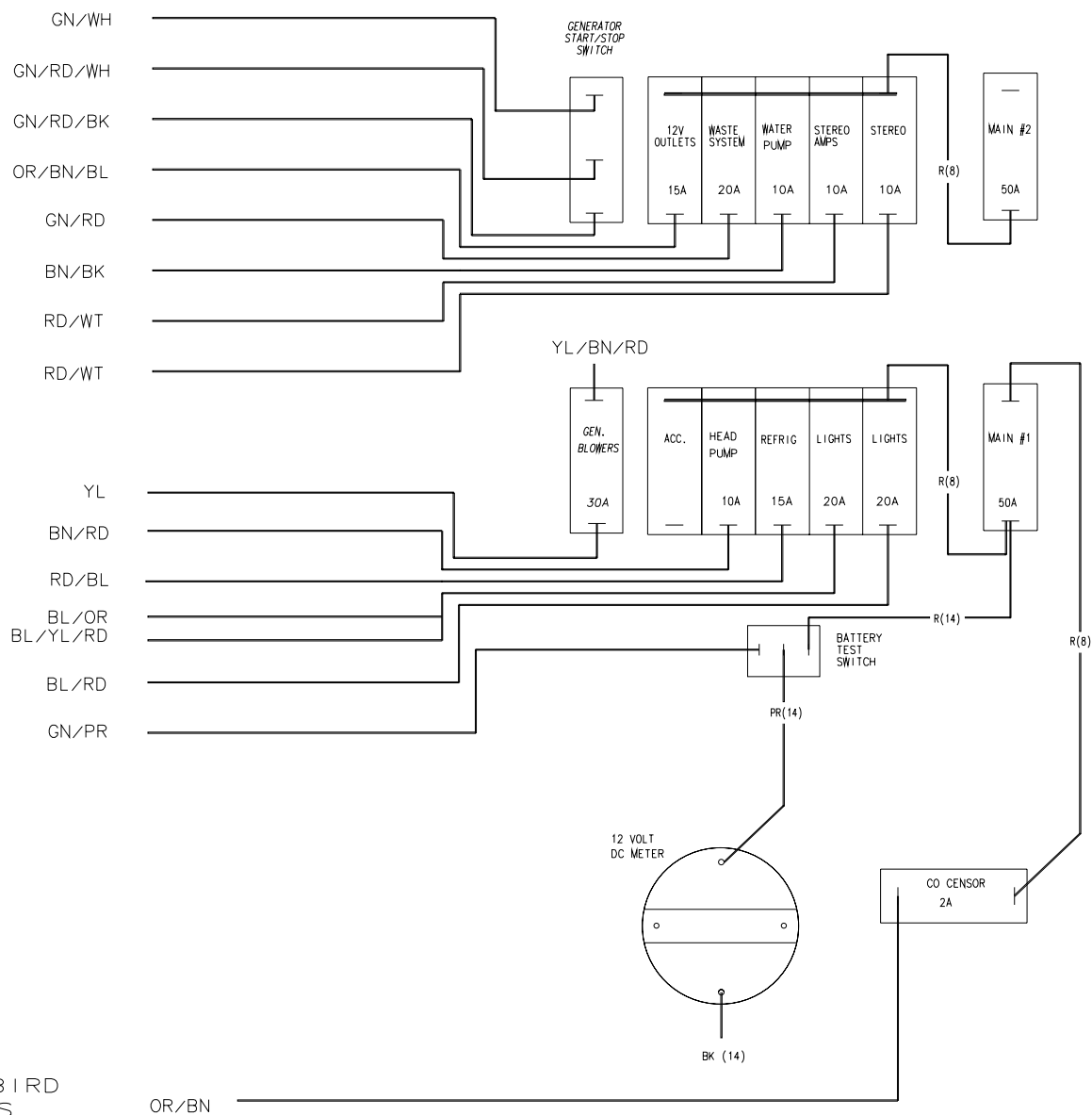
DO NOT RUN BOTH AIR CONDITIONER AND HEATER AT THE SAME TIME. DOING THIS MAY TRIP THE BREAKER.



TO OPERATE:

1. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
2. BEHIND THE COCKPIT LOUNGE SEAT, STBD SIDE, SWITCH SHOREPOWER BREAKERS TO "ON".
3. AT THE AC/DC PANEL IN THE CABIN, SWITCH SHOREPOWER BREAKER #1 TO "ON" OR GENERATOR BREAKER TO "ON".
4. AT THE AC/DC PANEL, SWITCH THE "AIR COND." BREAKER TO "ON".
5. THE HEATER IS NOW SUPPLIED WITH POWER.

TITLE:	HEATER, CABIN
MOD.: 34-PC	13B
DR BY: JAW	



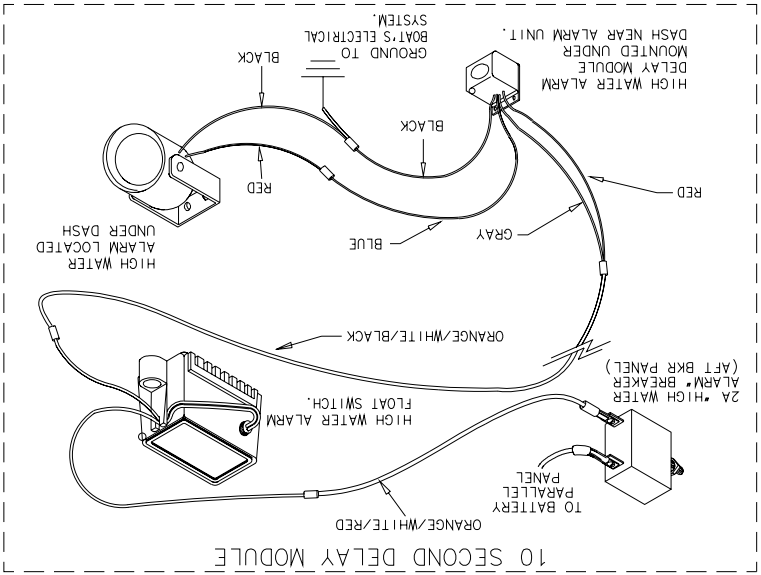
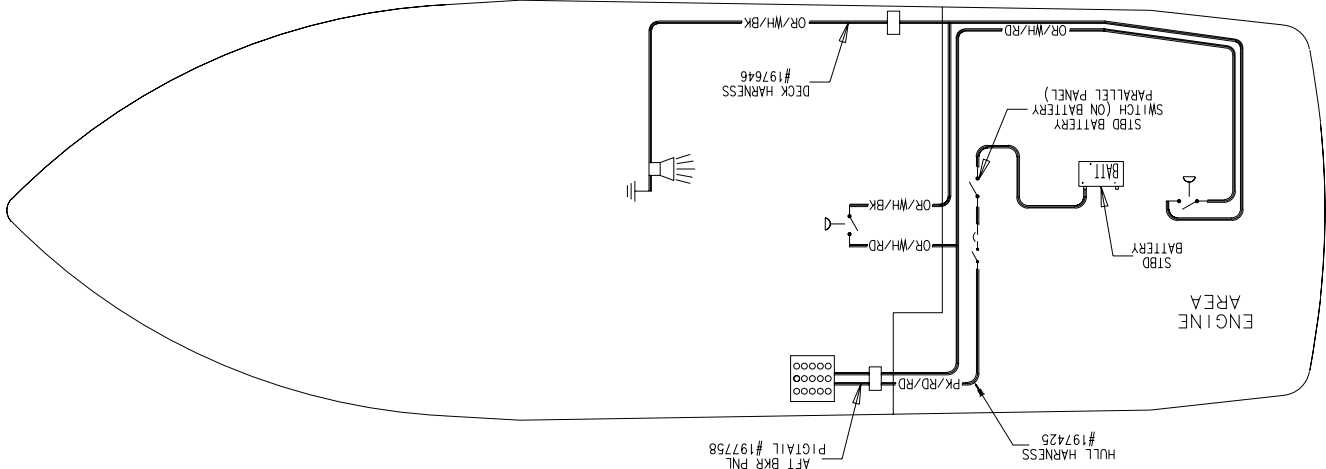
THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: 12V AC/DC
PANEL SCHEMATIC
MOD.: 34-PC
DR BY: JAW

14



THUNDERBIRD
PRODUCTS
ENGINEERING

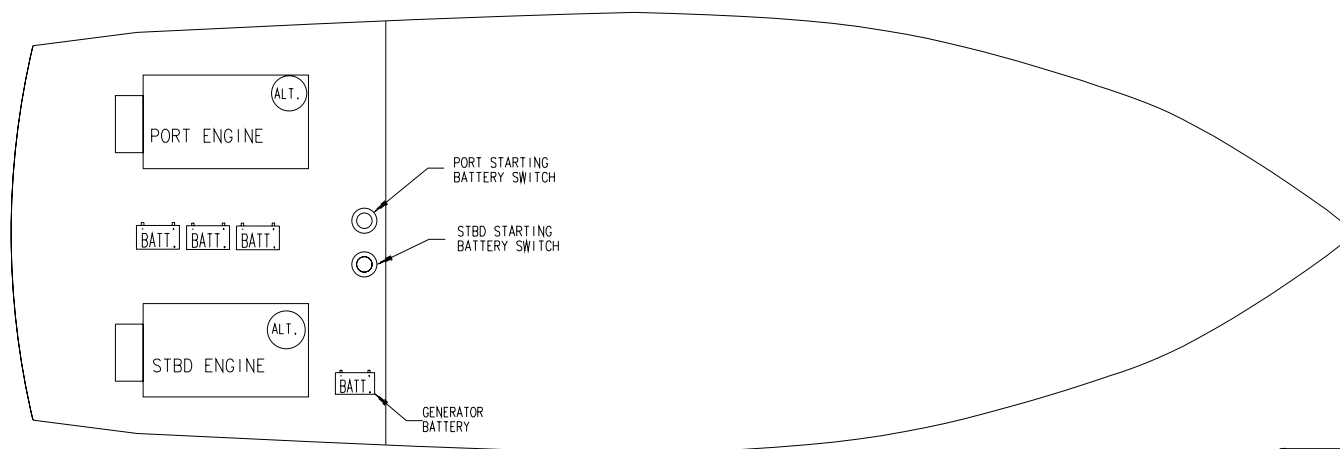
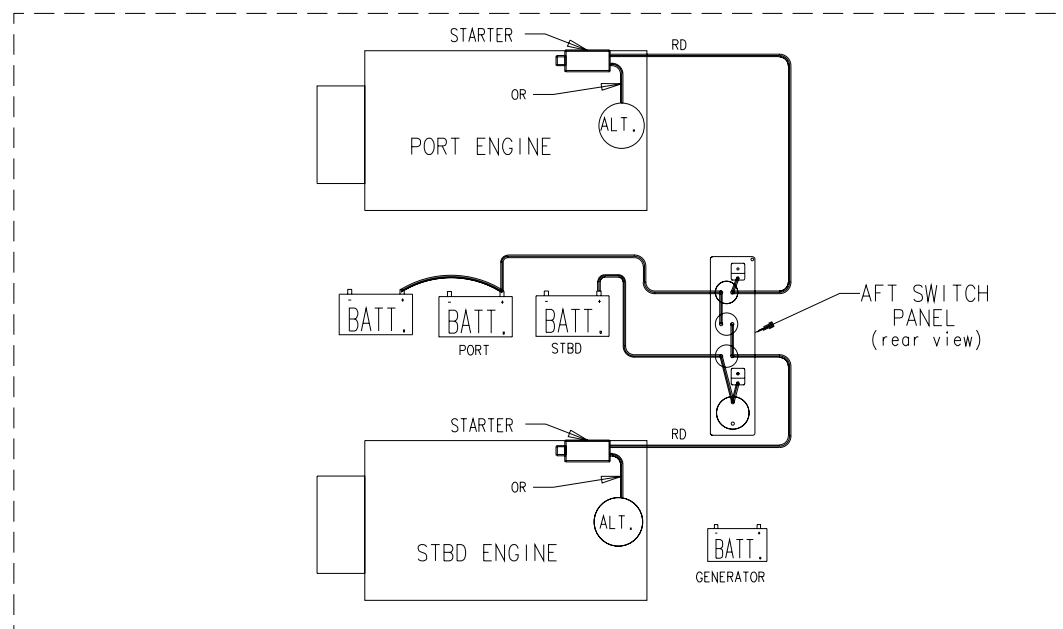


LEGEND
GROUND
DASH BREAKER
FLOAT SWITCH
ALARM
PLUG
BREAKER

- NOTE:
1. HIGH WATER ALARM IS CONNECTED TO STBD BATTERY SWITCH, LOCATED UNDER DAY HATCH.
 2. THE BATTERY SELECTOR SWITCH DOES NOT NEED TO BE SWITCHED TO "ON" FOR THE HIGH WATER ALARM TO WORK.
 3. WHEN WATER IN THE ENGINE BILGE OR CABIN IS AT A LEVEL THAT MAY REQUIRE MANUAL PUMPING, THE UNDER DASH ALARM WILL SOUND.
 4. CHECK ENGINE ROOM AND CABIN FOR HIGH WATER.
 5. CHECK BILGE PUMPS TO SEE IF THEY ARE FUNCTIONING PROPERLY.
 6. CONSULT MARINA'S TECHNICAL ASSISTANCE GROUP.

LEGEND

BATTERY



THUNDERBIRD
PRODUCTS
ENGINEERING

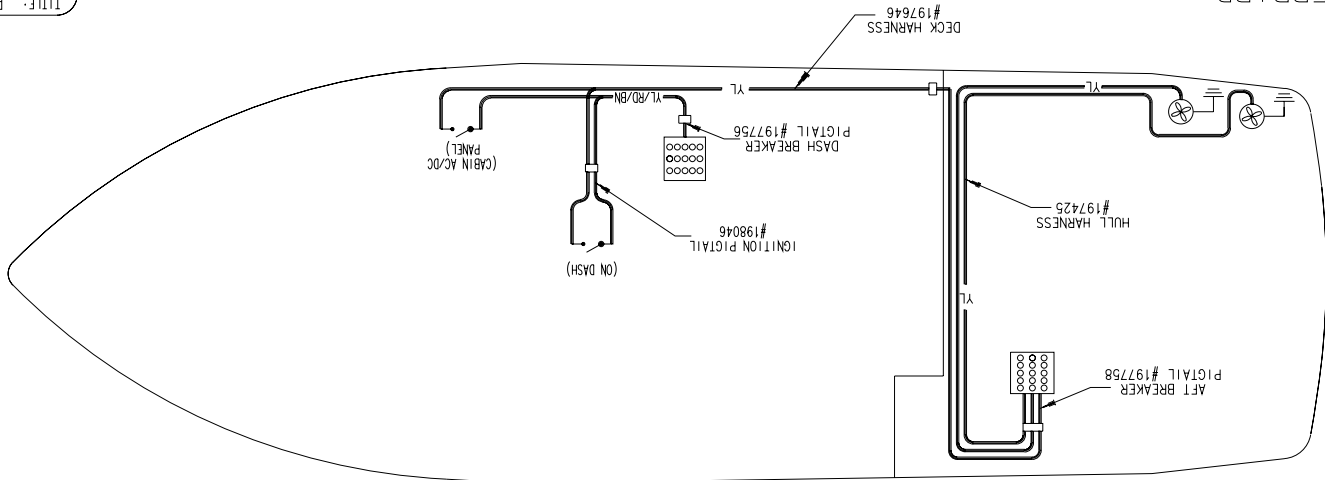
TITLE: BATTERY
CHARGING, ALTERNATORS

MOD.: 34-PC
DR BY: JAW

17

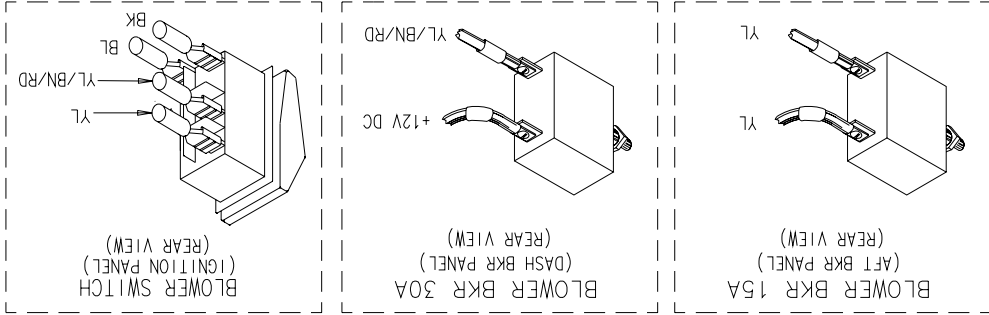


THUNDERBIRD
PRODUCTS
ENGINEERING



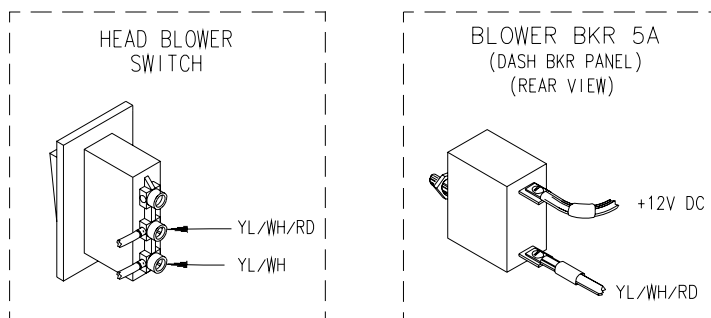
TITLE: BLOWERS,
ENGINE BILGE
MOD.: 34-PC
DR BY: JAW
18

LEGEND	
	GROUND
	BREAKER
	BLOWER
	PLUG
	SWITCH

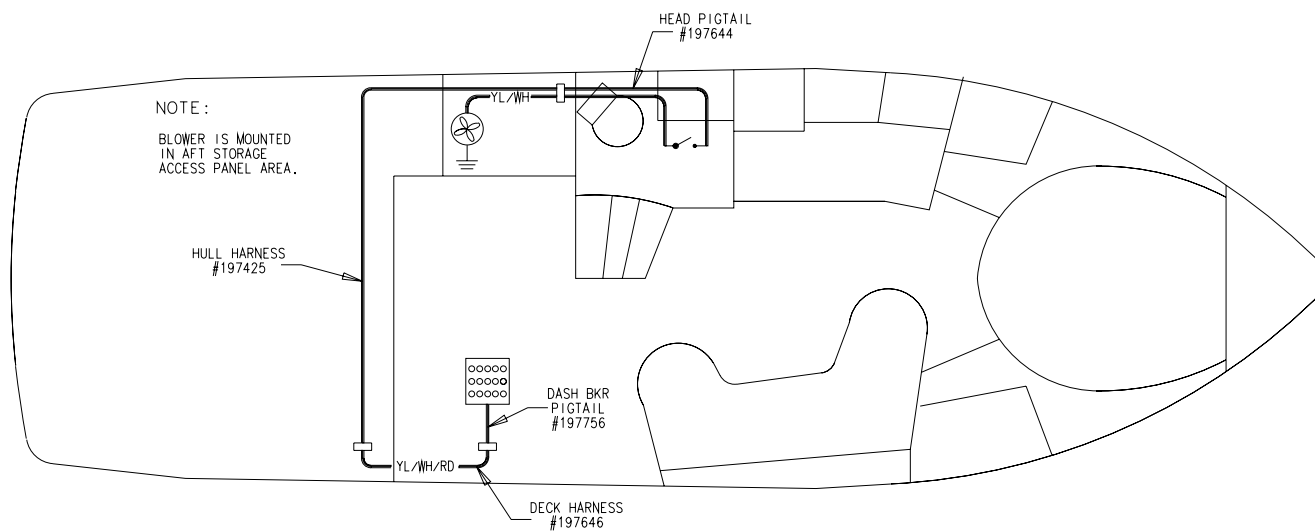


- WARNING !
- GASOLINE VAPORS CAN EXPLODE,
BEFORE STARTING ENGINES:
-CHECK ENGINE BILGE FOR GASOLINE
VAPORS
-OPERATE BLOWERS FOR 4 MINUTES
RUN BLOWERS BELOW CRUISING SPEED.
TO OPERATE:
1. LOCATED UNDER THE WET BAR, TURN THE
BATTERY SWITCH TO "ON".
 2. AT THE DASH BREAKER PANEL, THE "BLOWERS"
BREAKER MUST BE PUSHED IN (CLOSED).
 3. AT THE AFT BREAKER PANEL, BOTH OF THE
"BLOWER" BREAKERS MUST BE PUSHED IN
(CLOSED).
 4. THE BLOWERS CAN NOW BE OPERATED BY THE
"BLOWER" SWITCH ON THE IGNITION PANEL.
 5. THE BLOWERS CAN ALSO BE OPERATED BY
SWITCHING THE "BLOWER" BREAKER ON THE
AC/DC PANEL TO "ON".

GROUND	
DASH BREAKER	
BLOWER	
PLUG	
SWITCH	



1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE DASH BREAKER PANEL, THE "HEAD BLOWER" BREAKER MUST BE PUSHED IN (CLOSED)
3. THE "BLOWER" CAN NOW BE OPERATED BY THE BLOWER SWITCH AT THE HEAD UNIT.



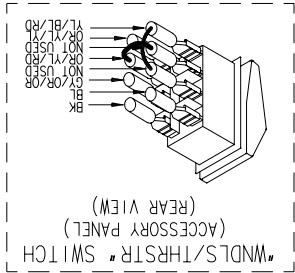
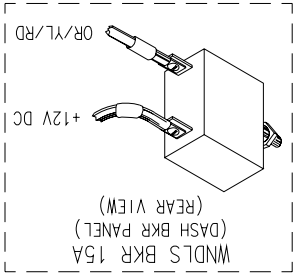
THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: BLOWER,
HEAD

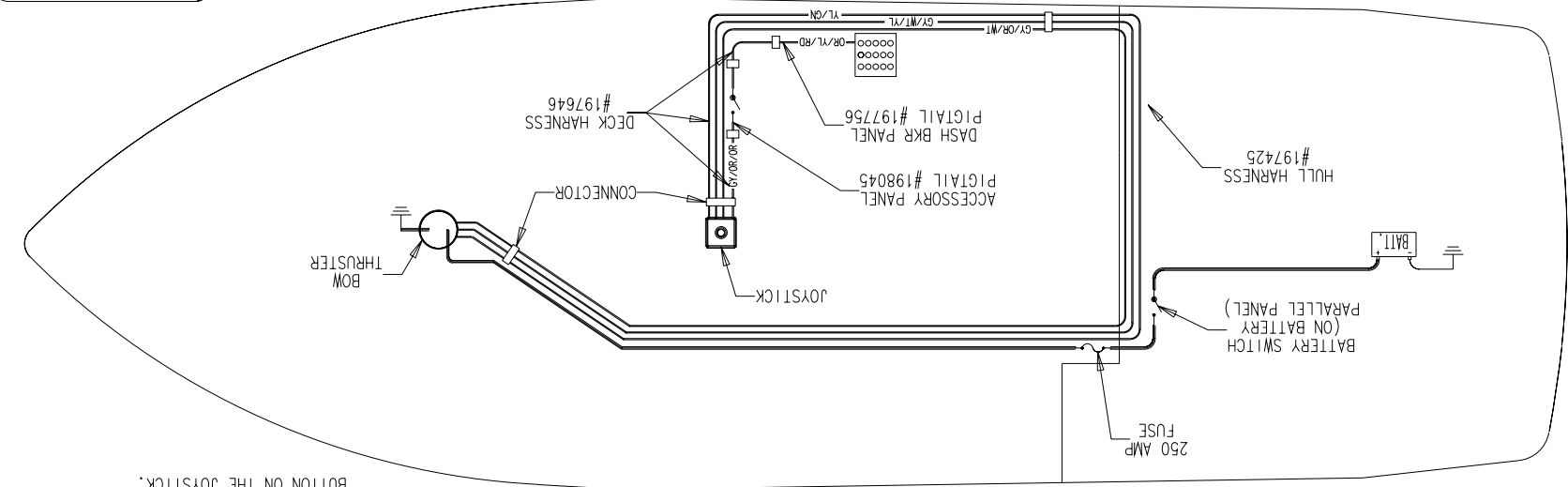
MOD.: 34-PC
DR BY: JAW

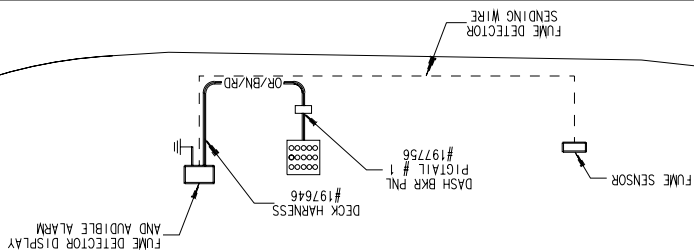
19

LEGEND	
BATTERY	BATT.
SWITCH	SWITCH
PLUG	PLUG
GROUND	GROUND
FUSE	FUSE
BREAKER	BREAKER
PANEL	PANEL

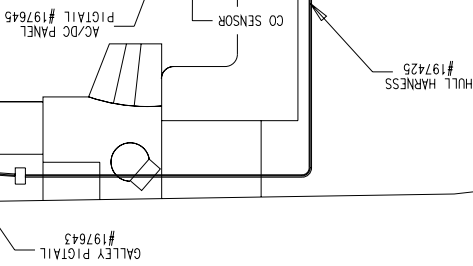


1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE DASH BREAKER PANEL, THE "WNDLS" BREAKER MUST BE PUSHED IN (CLOSED).
3. LOCATED ON THE ACCESSORY PANEL, THE "WNDLS/THRSTR" SWITCH MUST BE IN THE "THRSTR" POSITION. (WINDLASS AND BOW THRUSTER CANNOT BE OPERATED SIMULTANEOUSLY.
4. ON THE JOYSTICK, PRESS BOTH "ON" BUTTONS SIMULTANEOUSLY. BOW THRUSTER CAN NOW BE OPERATED BY THE JOYSTICK LOCATED AT THE DASH.
5. WHEN NOT IN USE, PRESS THE "OFF" BUTTON ON THE JOYSTICK.

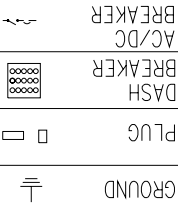
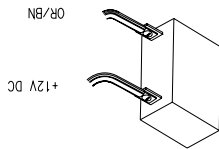
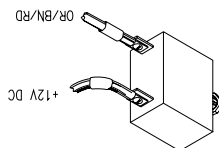




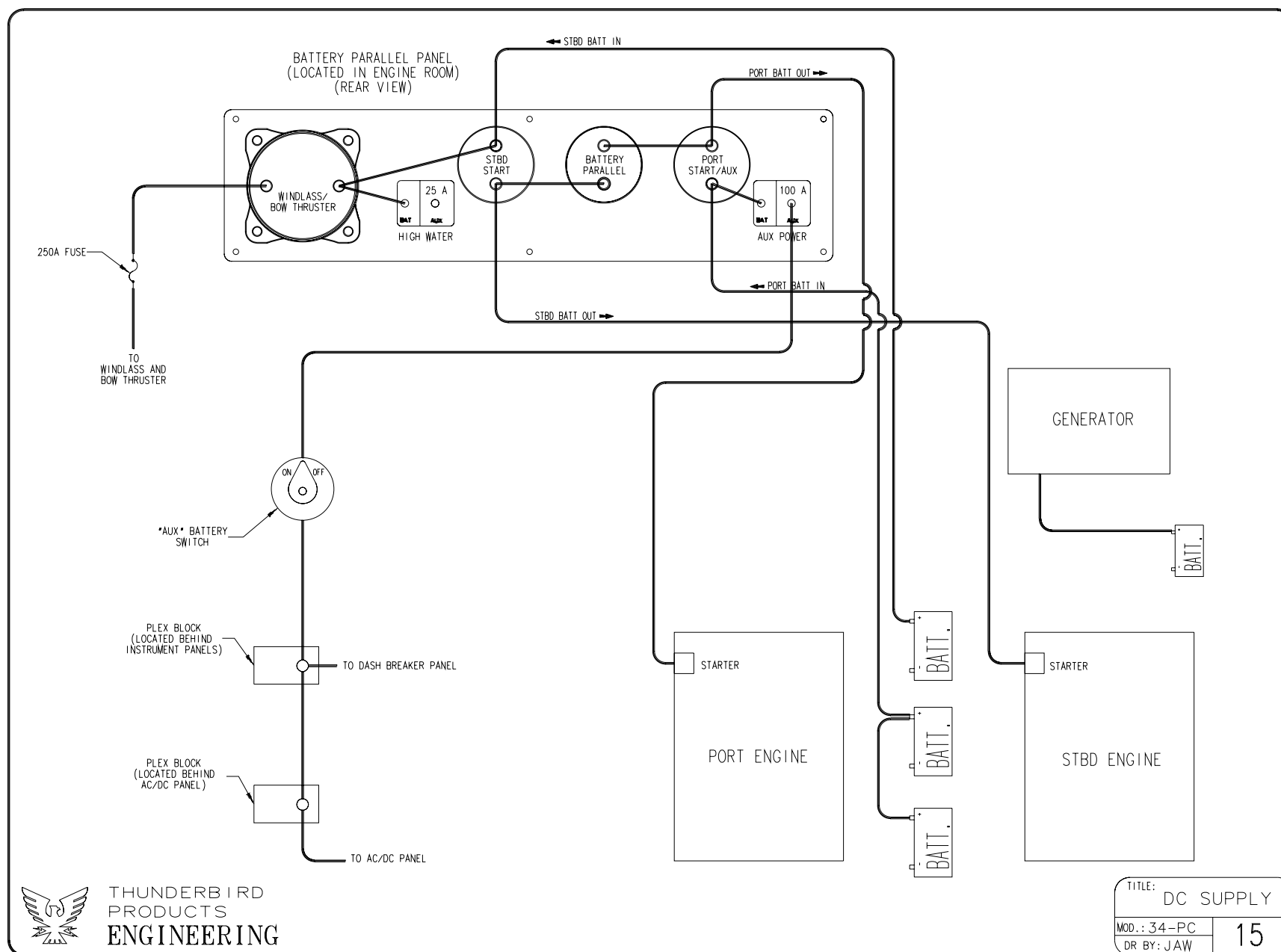
- NOTE: THE FUME DETECTOR PROVIDES AN AUDIBLE AND VISUAL ALARM IF EXPLOSIVE GASES ARE PRESENT IN THE ENGINE BILGE AREA. IN THE EVENT THE DETECTOR GOES INTO THE ALARM MODE, OPERATE THE ENGINE BLOWERS AND INSPECT FOR THE SOURCE.



- NOTE: THE CO DETECTOR PROVIDES AN AUDIBLE AND VISUAL ALARM IF CARBON DIOXIDE IS PRESENT IN THE CABIN AREA.



THUNDERBIRD
PRODUCTS
ENGINEERING



LEGEND

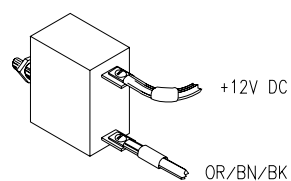
GROUND 

DASH BREAKER

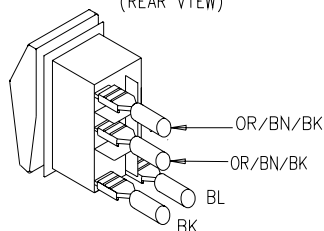
PLUG ☐ ☐

SWITCH

DEPTH SNDR BKR 5A
(DASH BKR PANEL)
(REAR VIEW)

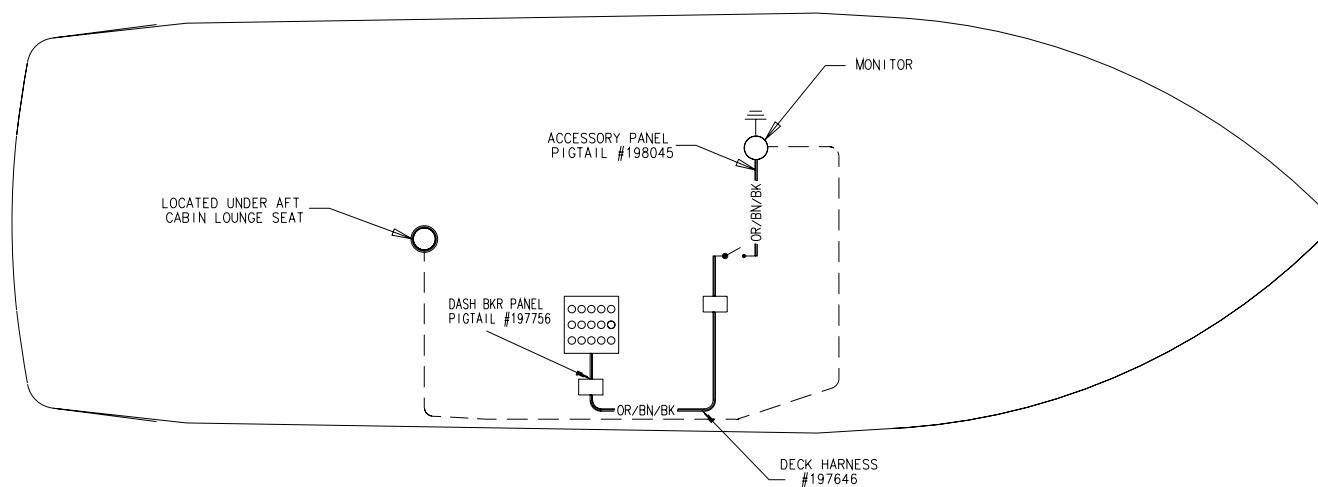


DEPTH SNDR SWITCH
(ACCESSORY PANEL)
(REAR VIEW)



TO OPERATE:

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE DASH BREAKER PANEL, THE "DEPTH SOUNDER" BREAKER TO MUST BE PUSHED IN (CLOSED).
3. THE DEPTH SOUNDER CAN NOW BE OPERATED BY THE "DEPTH" SWITCH ON THE ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

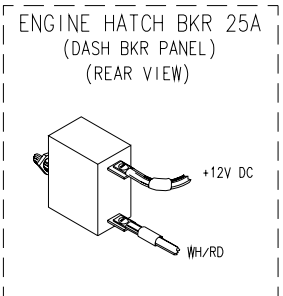
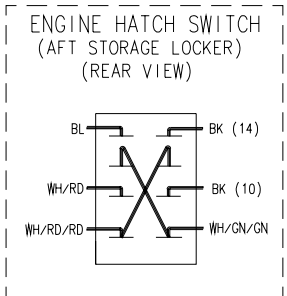
TITLE: DEPTH
SOUNDER

MOD.: 34-PC
DR BY: JAW

21

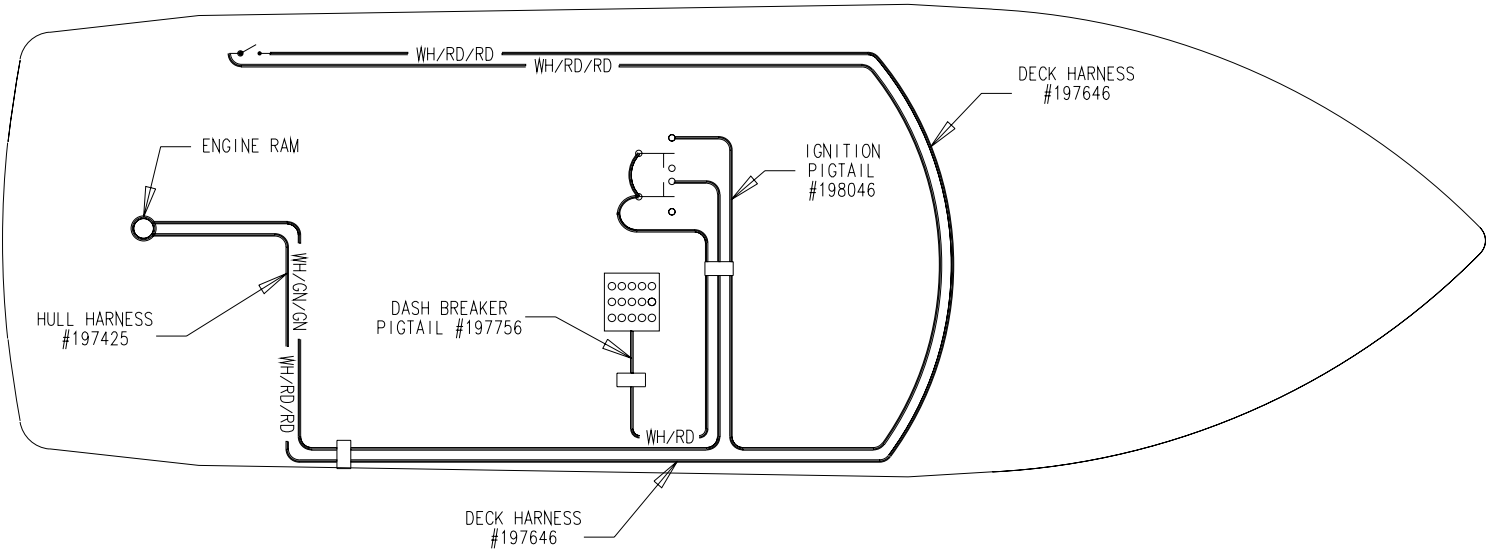
LEGEND

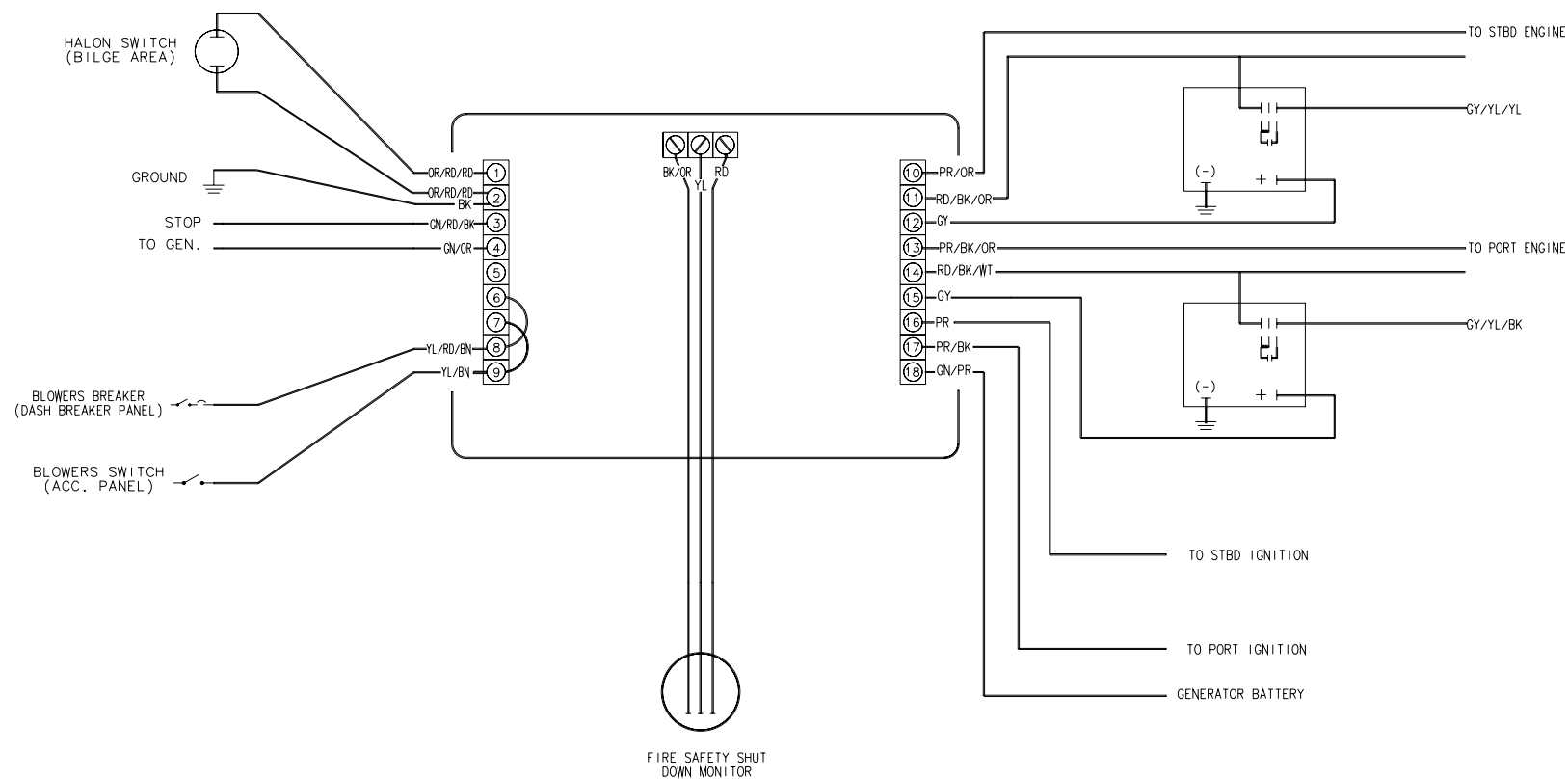
GROUND	
DASH BREAKER	
PLUG	
SWITCH	
DPDT SWITCH	

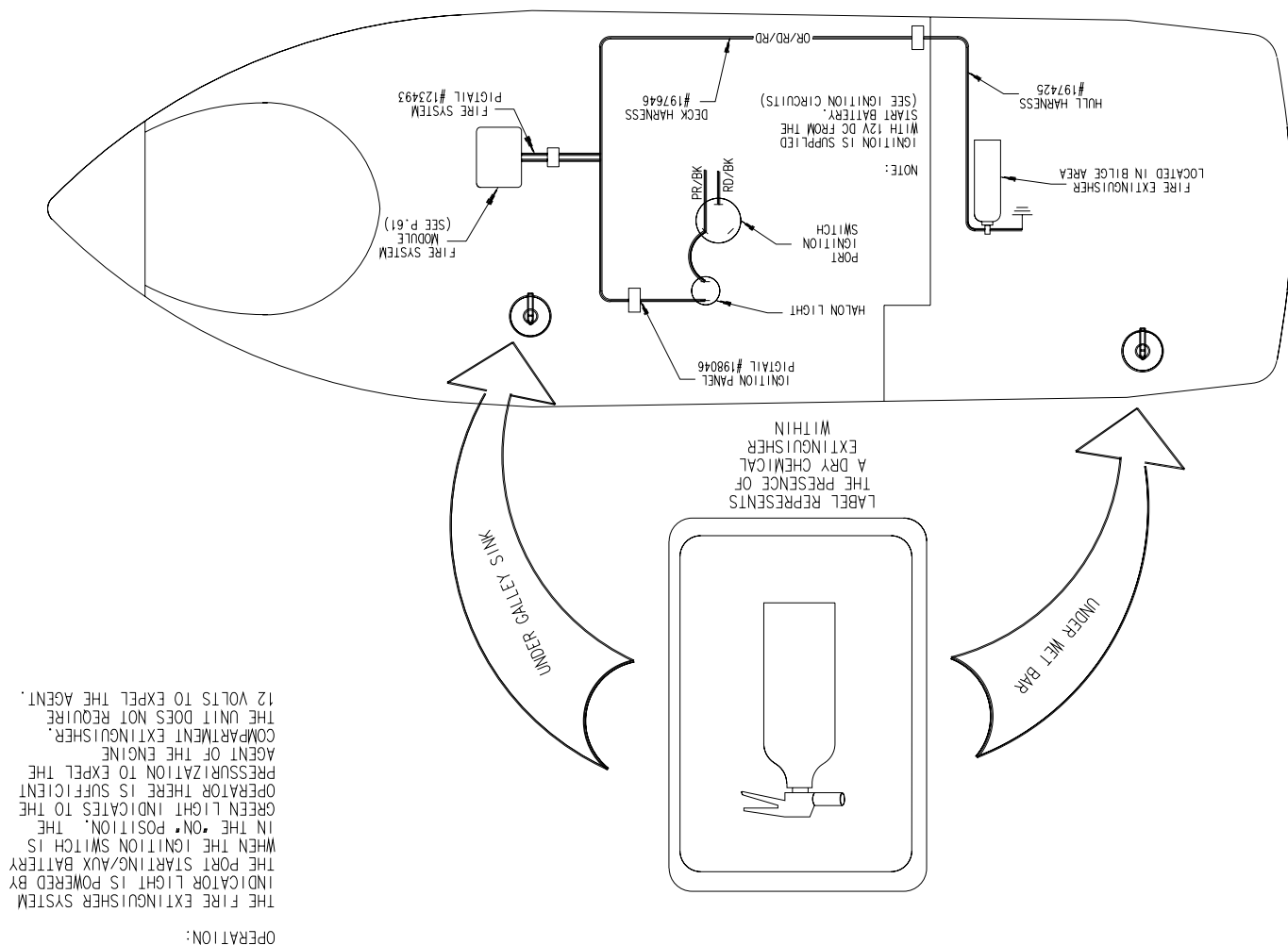


TO OPERATE:

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE DASH BREAKER PANEL, THE "ENGINE HATCH" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE ENGINE HATCH CAN NOW BE RAISED AND LOWERED BY THE "ENG HATCH" SWITCH, LOCATED ON THE IGNITION PANEL.

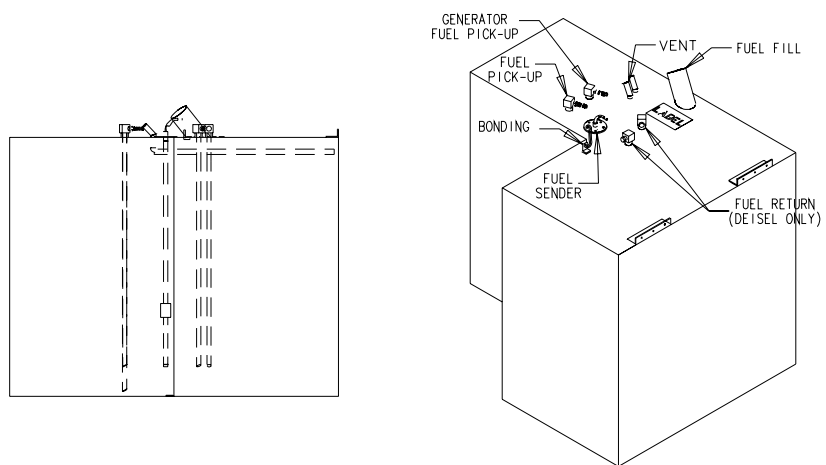




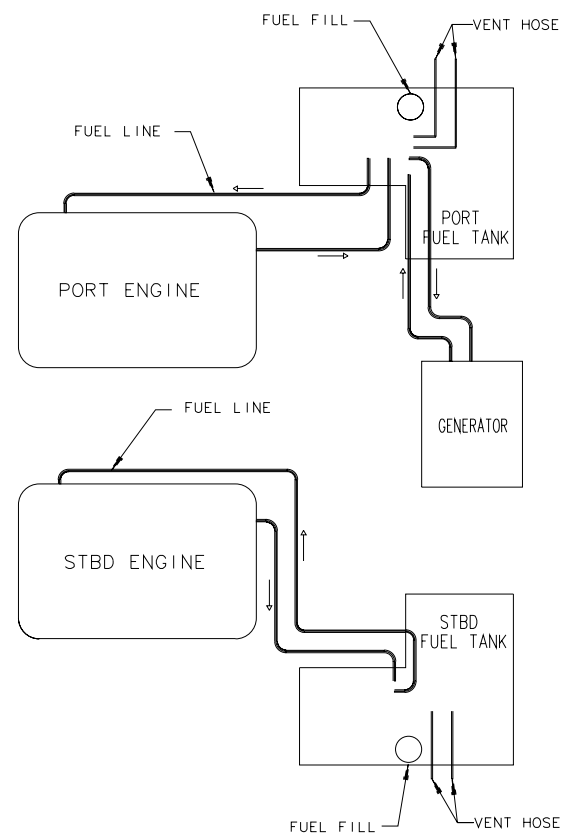
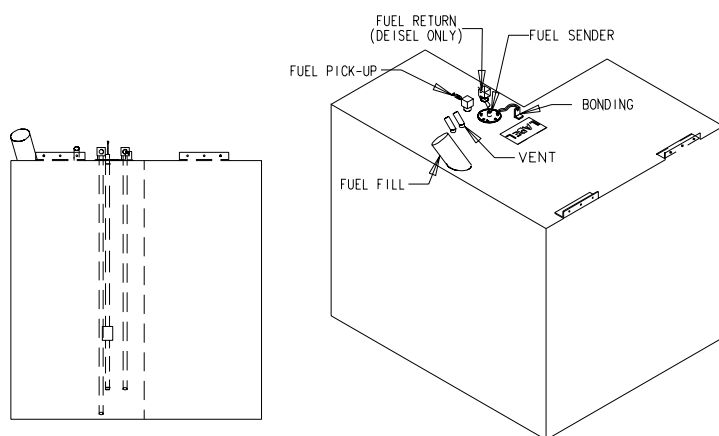


THE FIRE EXTINGUISHER SYSTEM INDICATOR LIGHT IS POWERED BY THE PORT STARTING/AUX BATTERY WHEN THE IGNITION SWITCH IS IN THE "ON" POSITION. THE GREEN LIGHT INDICATES TO THE OPERATOR THERE IS SUFFICIENT PRESSURIZATION TO EXPEL THE AGENT OF THE ENGINE COMPARTMENT EXTINGUISHER. THE UNIT DOES NOT REQUIRE 12 VOLTS TO EXPEL THE AGENT.

PORT FUEL TANK



STBD FUEL TANK



THUNDERBIRD
PRODUCTS
ENGINEERING

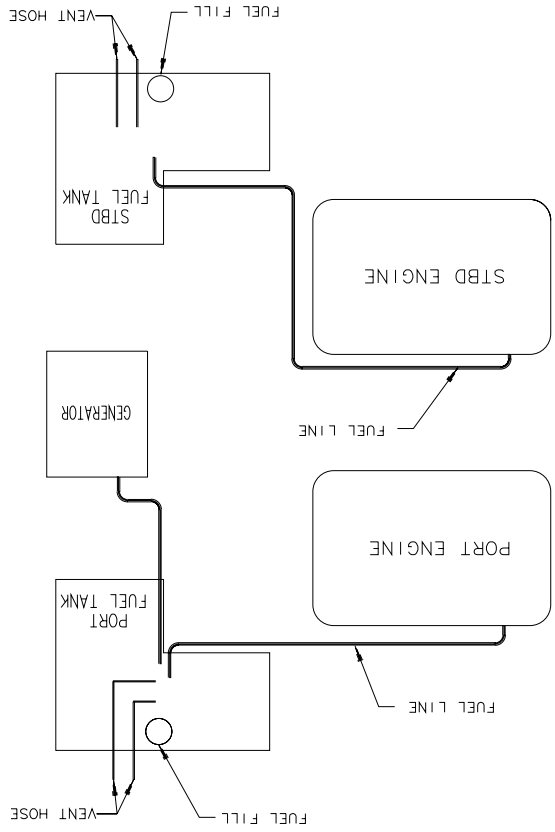
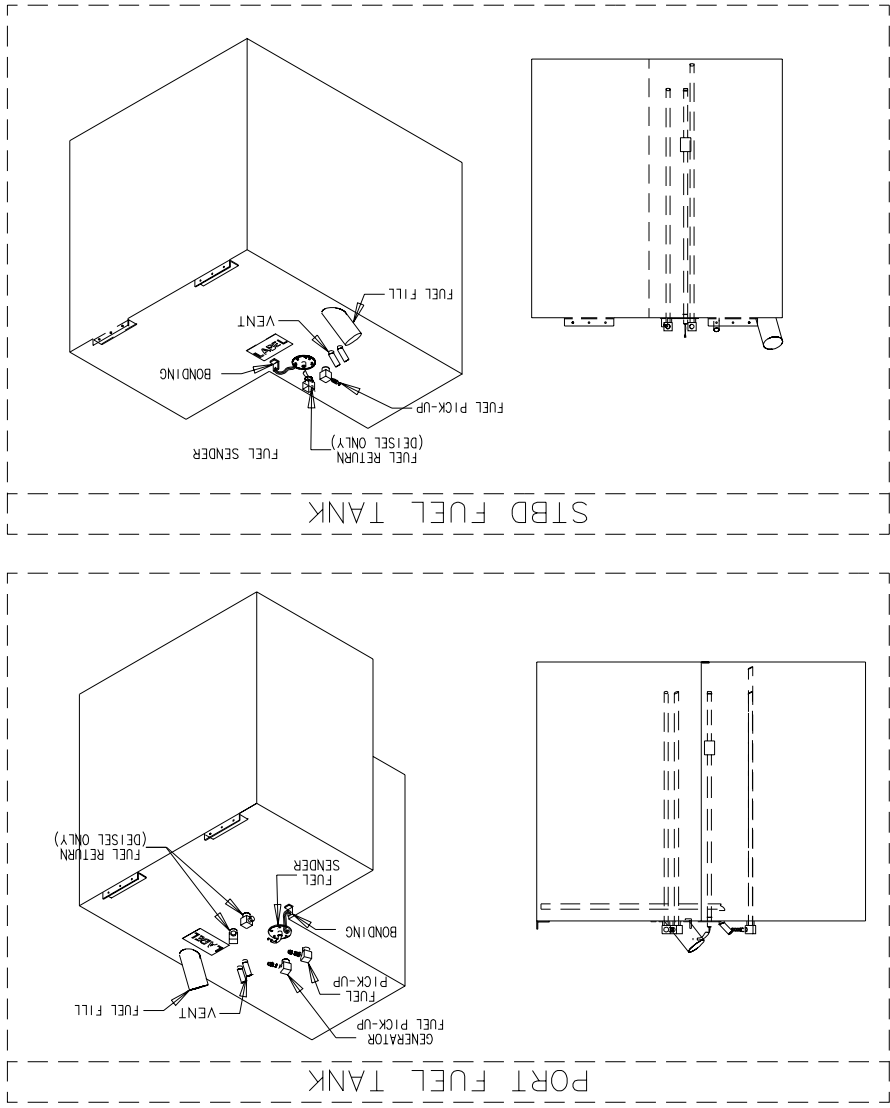
TITLE: FUEL SYSTEM
(DIESEL ONLY)

MOD.: 34-PC
DR BY: JAW

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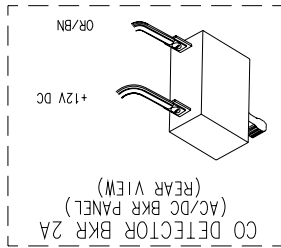
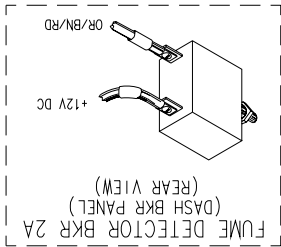
THUNDERBIRD
PRODUCTS
ENGINEERING



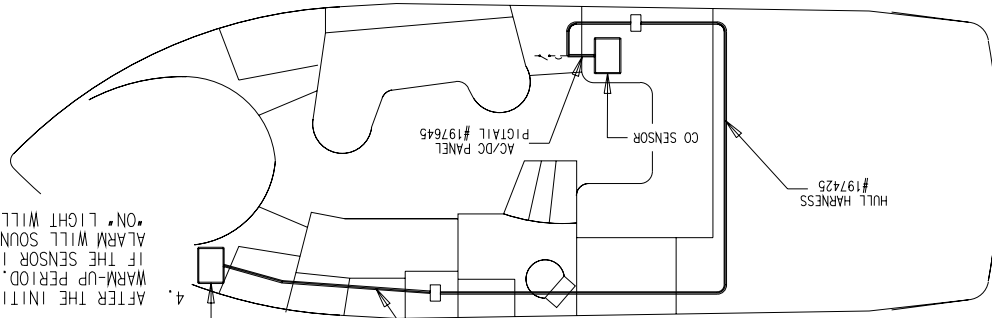
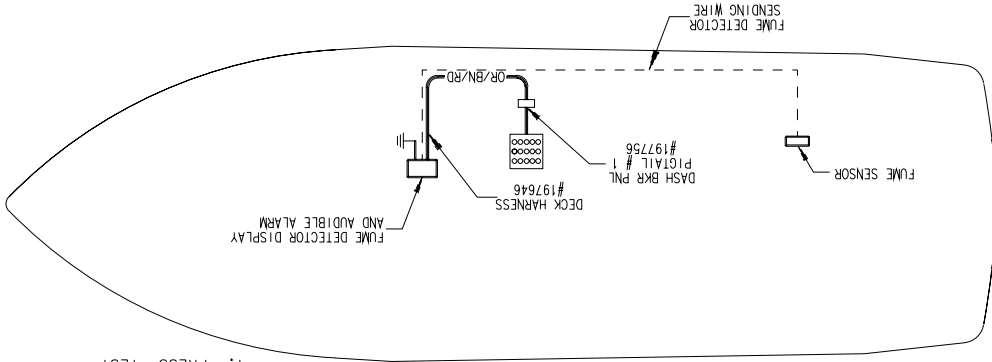
TITLE: FUEL SYSTEM
MOD.: 34-PC
DR. BY: JAW
26



THUNDERBIRD
PRODUCTS
ENGINEERING



LEGEND	
GROUND	
PLUG	
DASH BREAKER	
AC/DC BREAKER	



TITLE: FUME DETECTOR
MOD.: 34-PC
DR BY: JAW
22B

TITLE: CO DETECTOR
MOD.: 34-PC
DR BY: JAW
22A

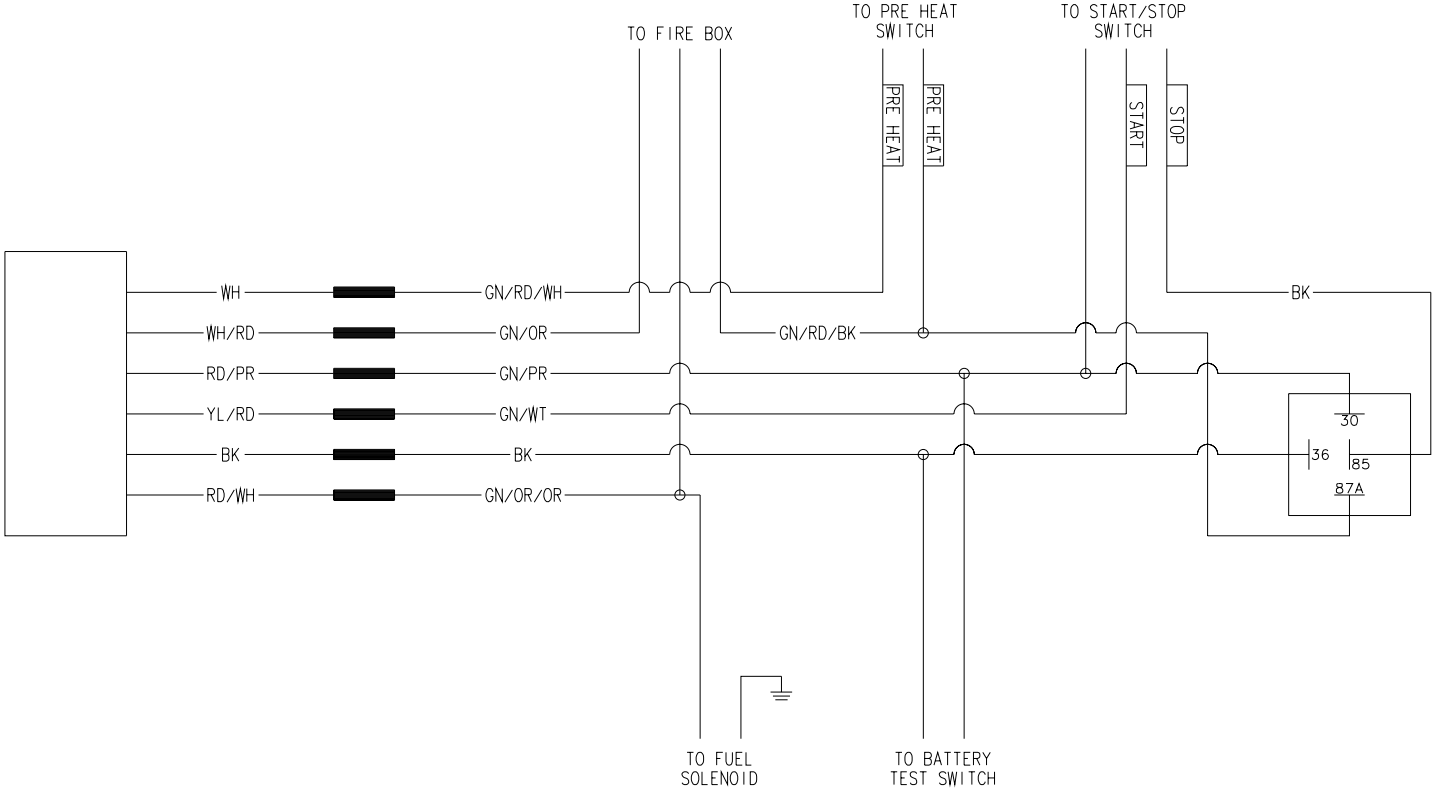
- NOTE: THE FUME DETECTOR PROVIDES AN AUDIBLE AND VISUAL ALARM IF EXPLOSIVE GASES ARE PRESENT IN THE ENGINE BILGE AREA. IN THE EVENT THE DETECTOR GOES INTO THE ALARM MODE, OPERATE THE ENGINE BLOWERS AND INSPECT FOR THE SOURCE.
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT THE DASH BREAKER PANEL, THE "FUME DETECTOR" BREAKER MUST BE PUSHED IN (CLOSED).
 3. FUME DETECTOR WILL AUTOMATICALLY TURN "ON".
 4. PRESS "TEST".
- TO OPERATE:

- NOTE: THE CO DETECTOR PROVIDES AN AUDIBLE AND VISUAL ALARM IF CARBON DIOXIDE IS PRESENT IN THE CABIN AREA.
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT AC/DC PANEL IN THE CABIN, SWITCH THE "CO SENSOR" BREAKER TO "ON".
 3. CHECK THE CO DETECTORS TO BE SURE THE GREEN POWER "ON" INDICATOR IS ILLUMINATED.
 4. AFTER THE INITIAL 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.
- TO OPERATE:

LEGEND

GROUND 

TO WESTERBEKE
GENERATOR PLUG

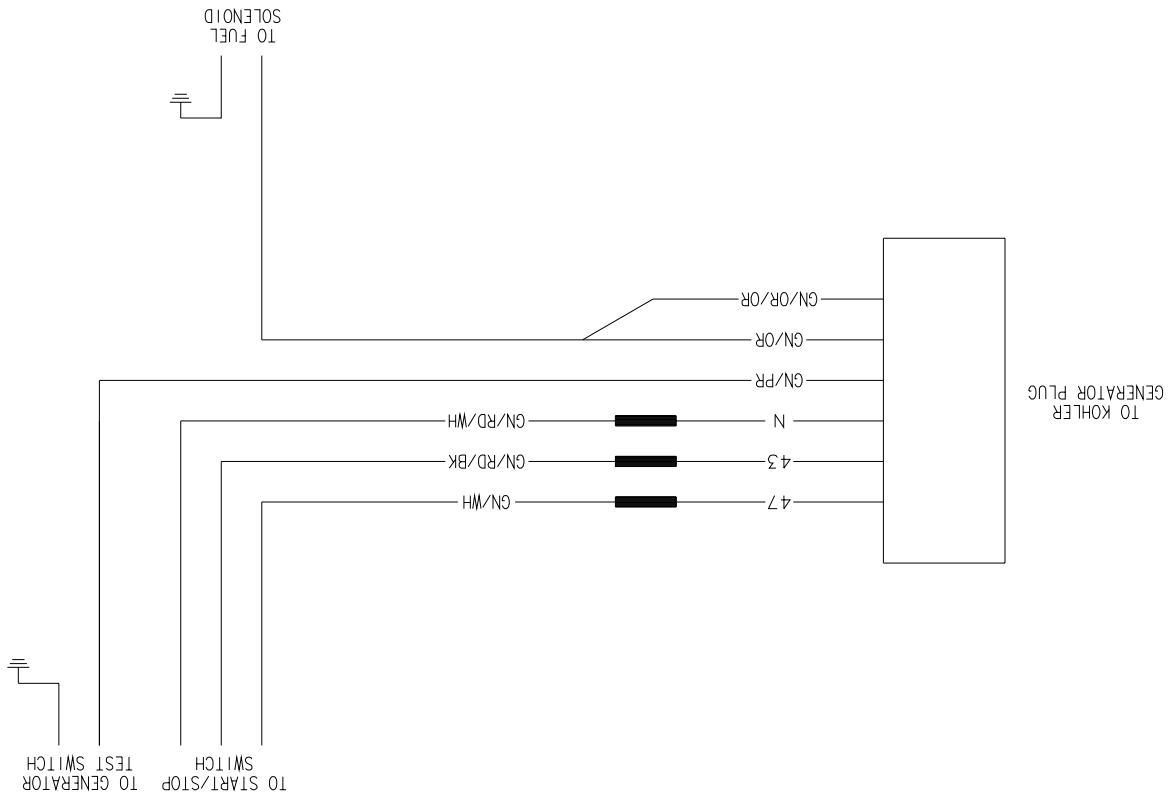




THUNDERBIRD
PRODUCTS
ENGINEERING

LEGEND

	GROUND
--	--------



TITLE: GENERATOR
START/STOP (GAS)

MOD.: 34-PC	DR BY: JAW
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60

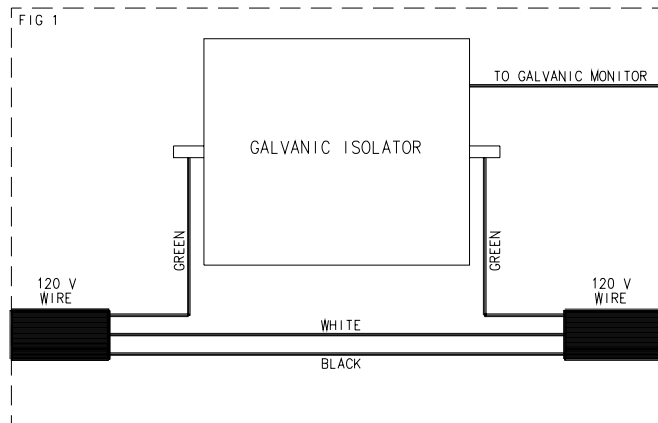
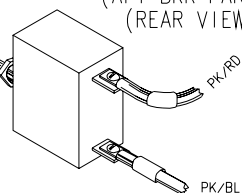
LEGEND

GROUND

PLUG

AFT BREAKER

GALVANIC ISOLATOR BKR 2A
(AFT BKR PANEL)
(REAR VIEW)

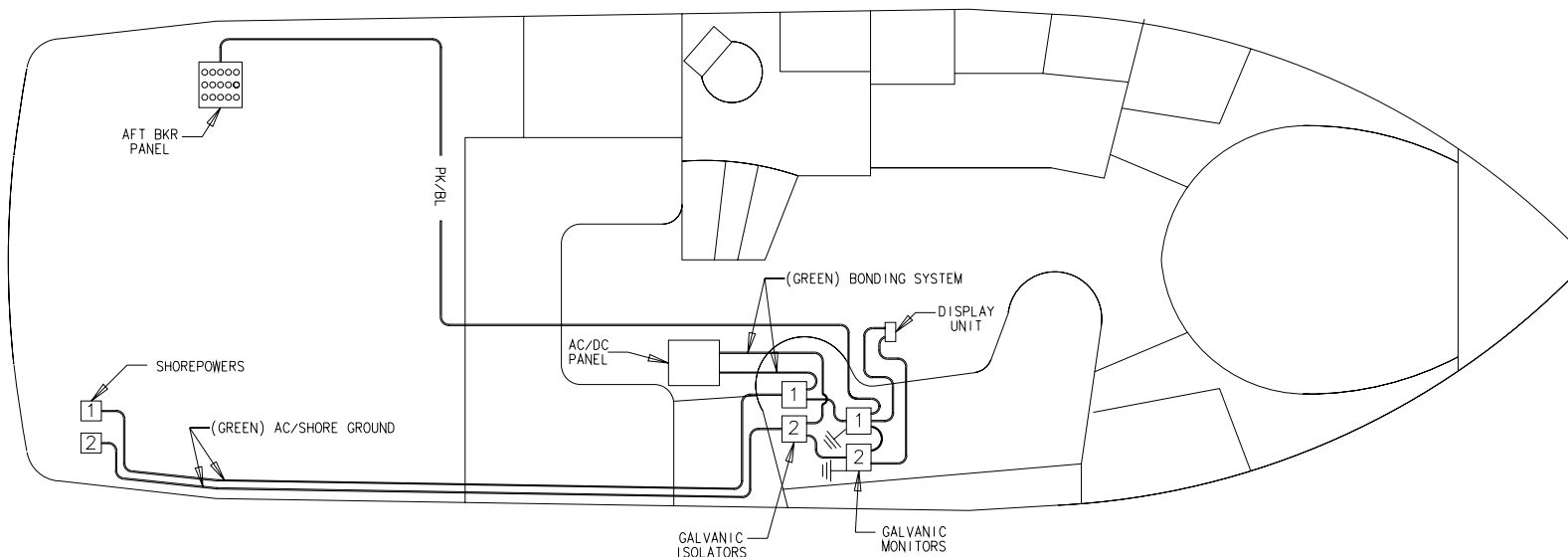


TEST PROCEDURE:

1. PLUG IN SHORE CORD #1 AND TURN ON SHOREPOWER BREAKER #1.
2. LOOK AT GALVANIC DISPLAY; IT SHOULD SAY GROUND WIRE NORMAL AND GALVANIC ISOLATOR NORMAL.
3. UNPLUG SHORE CORD #1 AND PLUG IN SHORE CORD #2.
4. TURN BREAKER TO SHOREPOWER #2.
5. LOOK AT GALVANIC DISPLAY; IT SHOULD SAY GROUND WIRE NORMAL AND GALVANIC ISOLATOR NORMAL.

NOTE:

GALVANIC ISOLATOR WILL OPERATE AUTOMATICALLY WHEN BOAT IS SUPPLIED WITH SHOREPOWER.



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: GALVANIC
ISOLATOR

MOD.: 34-PC
DR BY: CWM

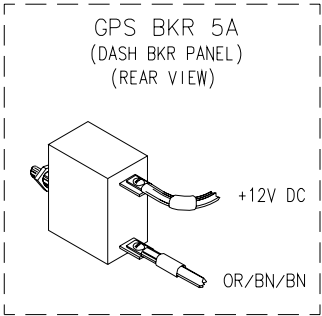
66

LEGEND

GROUND

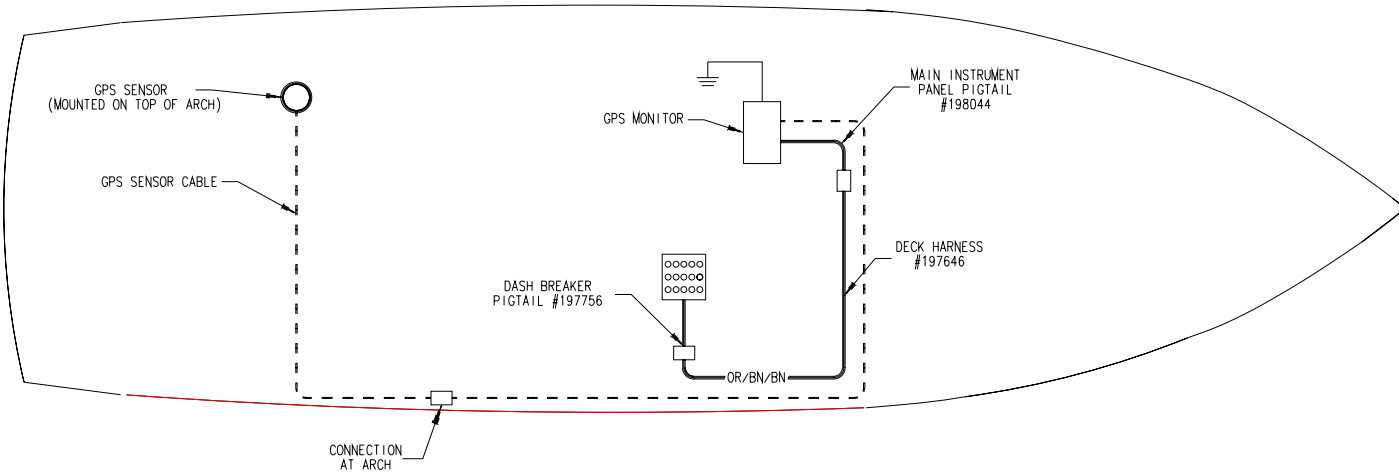
BREAKER
PANEL

PLUG ☐



TO OPERATE

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE DASH BREAKER PANEL, THE "GPS" BREAKER MUST BE SHOWN IN (CLOSED).
3. THE GPS UNIT CAN NOW BE TURNED ON BY PRESSING THE "POWER" BUTTON LOCATED ON THE FACE OF THE UNIT.



THUNDERBIRD
PRODUCTS
ENGINEERING

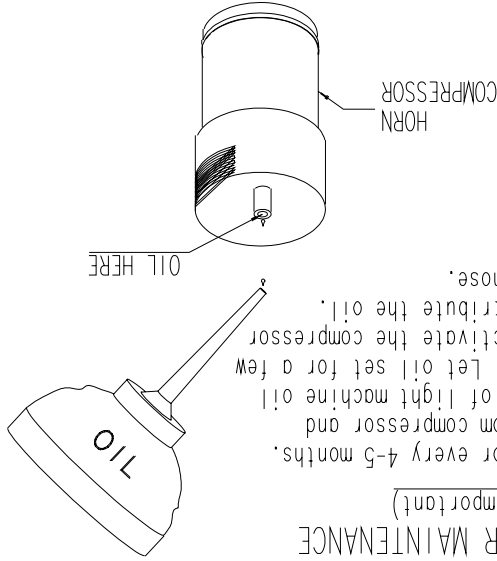
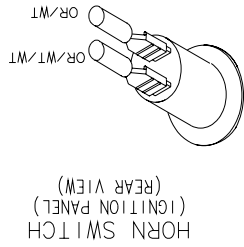
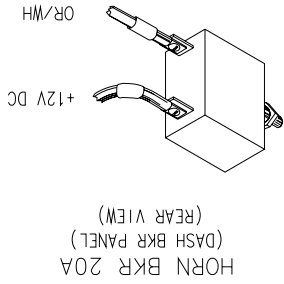
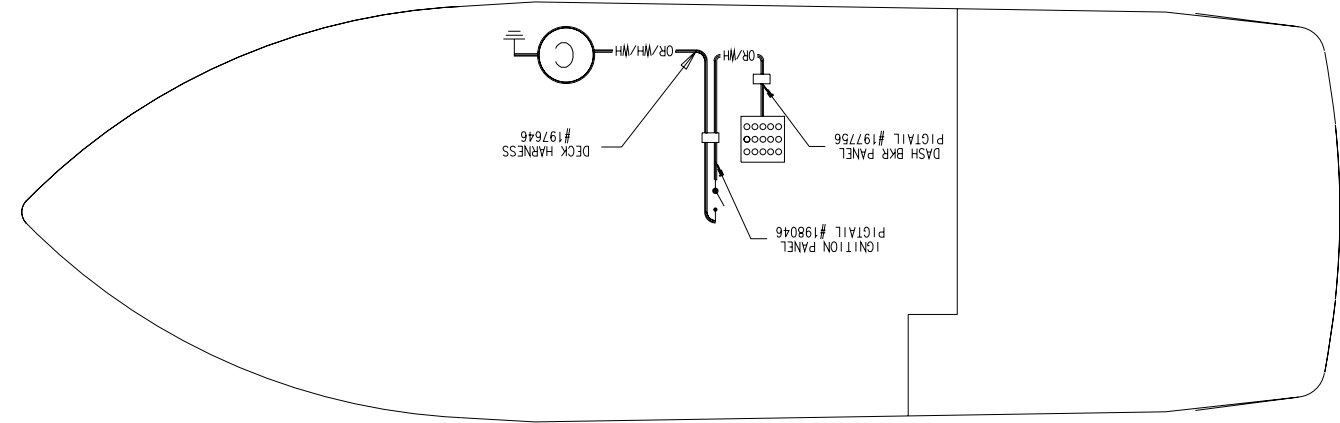
TITLE: GPS

MOD.: 34-PC
DR BY: JAW

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THUNDERBIRD
PRODUCTS
ENGINEERING



Lubricate compressor every 4-5 months.
Remove air hose from compressor and
apply 3 to 4 drops of light machine oil
into the air port. Let oil set for a few
minutes and then activate the compressor
momentarily to distribute the oil.
Reconnect the air hose.

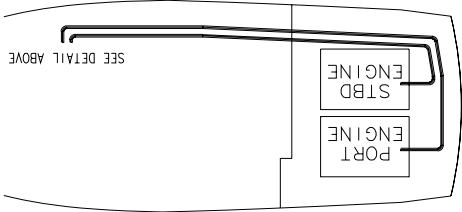
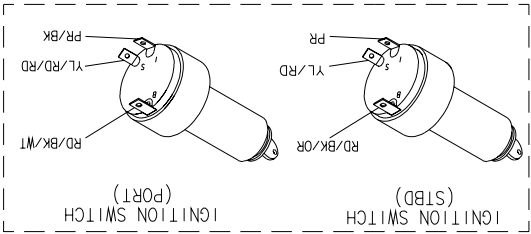
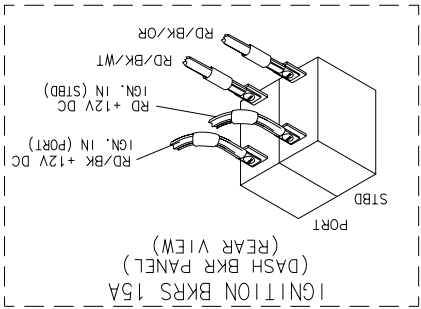
HORN COMPRESSOR MAINTENANCE (Very Important)

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE DASH BREAKER PANEL, THE "HORN" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE HORN CAN NOW BE OPERATED BY THE "HORN" SWITCH ON THE IGNITION PANEL.

TO OPERATE:

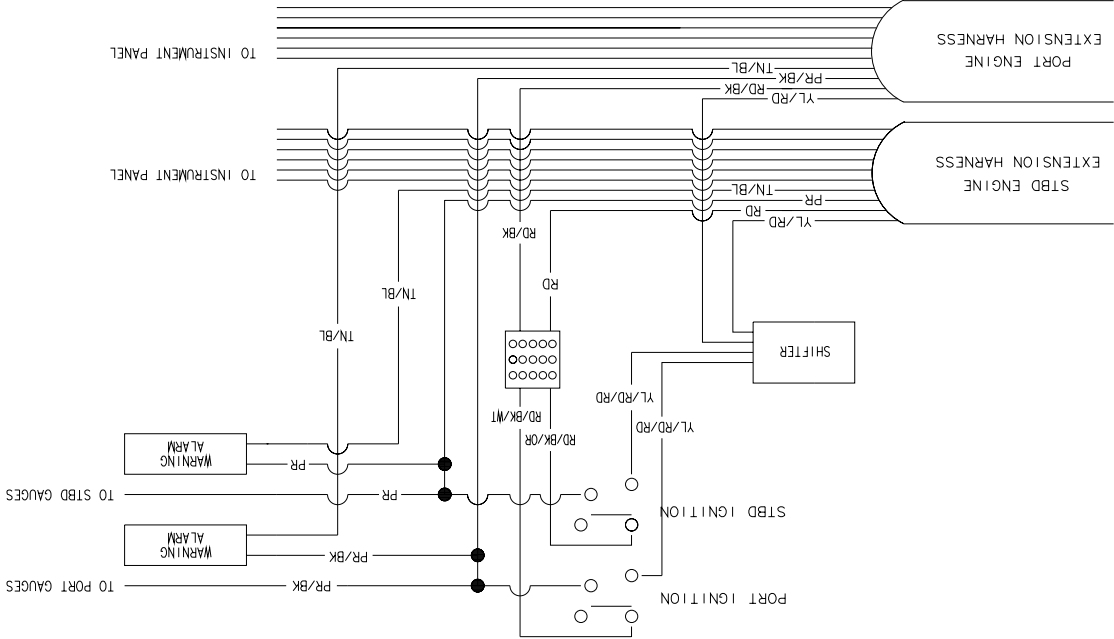
LEGEND	
GROUND	
SWITCH	
PLUG	
DASH BREAKER	
COMPRESSOR	

LEGEND	
GROUND	
IGNITION SWITCH	
BREAKER	
PANEL	



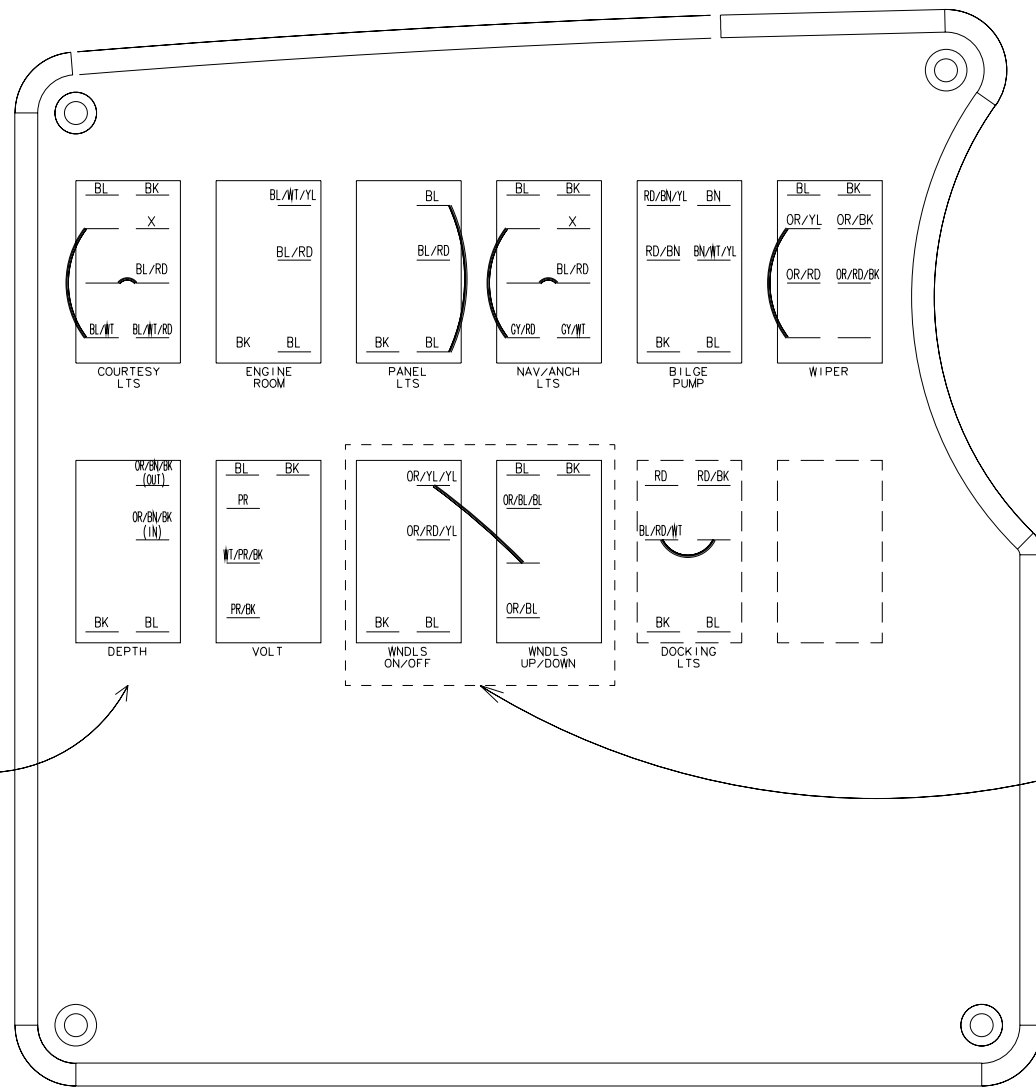
THUNDERBIRD
PRODUCTS
ENGINEERING

NOTE: SEE M/CRUISER MANUAL FOR FURTHER INFORMATION AND WARNING CONNECTIONS ON ENGINE EQUIPMENT.



- TO OPERATE:
1. MAKE SURE THAT THE AUX. BATTERY SWITCH, LOCATED UNDER WET BAR, IS TURNED "ON".
 2. THIS WILL ALLOW BOTH THE FUME DETECTOR AND THE ENGINE BLOWERS TO OPERATE WHEN NEEDED.
 3. THE PORT AND STBD BATTERY SWITCHES, LOCATED UNDER THE DAY HATCH, MUST BE TURNED "ON".
 4. ENGINES ARE NOW READY TO BE STARTED BY TURNING THE IGNITION SWITCHES CLOCKWISE.

TITLE: IGNITION,
GASOLINE,
MOD.: 34-PC
DR BY: JAW

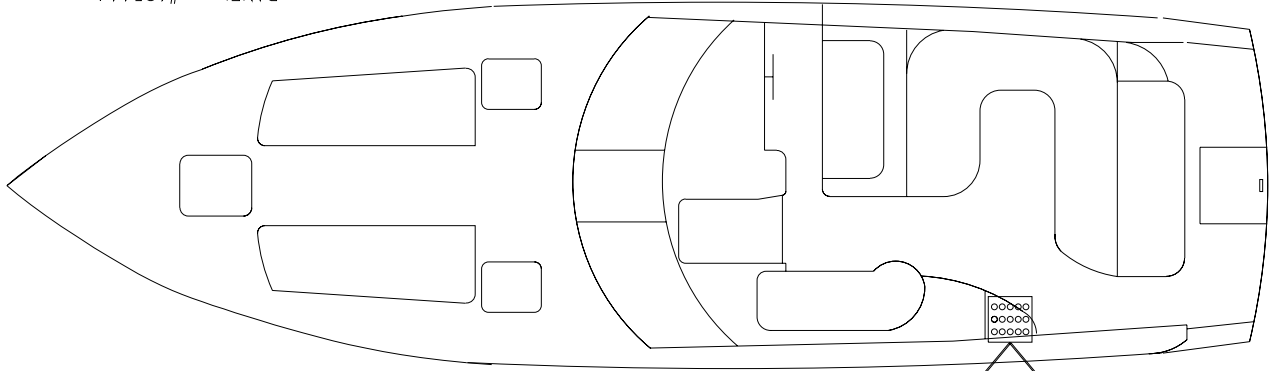




THUNDERBIRD
PRODUCTS
ENGINEERING

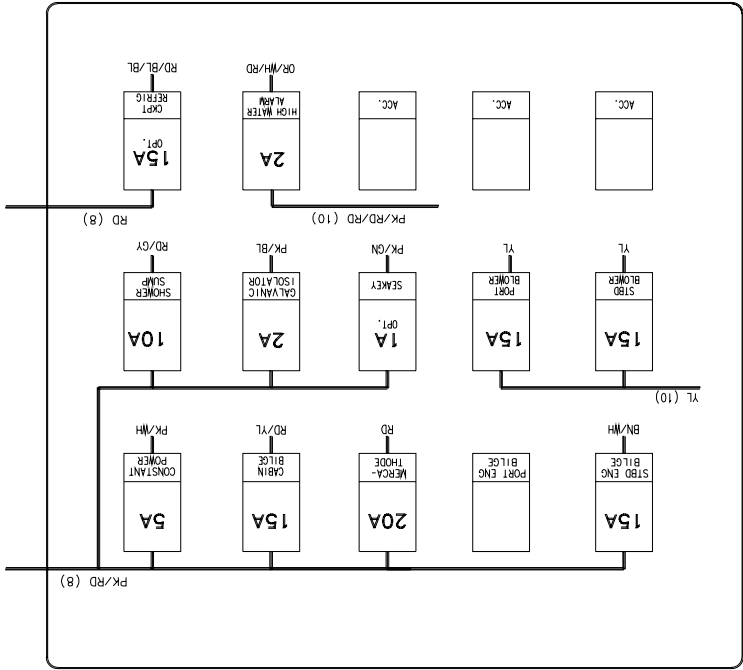
PANEL #185114
PIGTAIL #197758

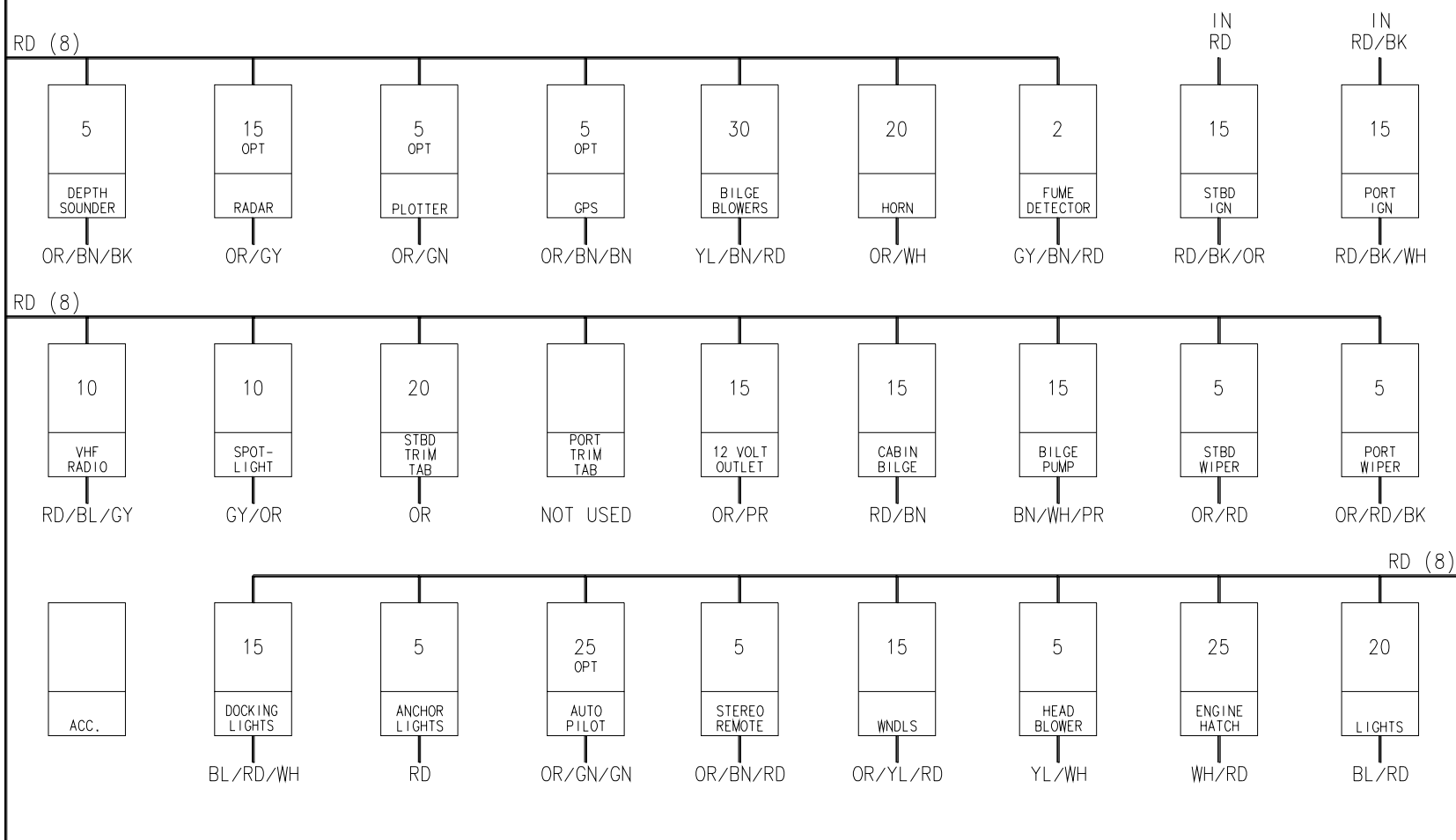
TITLE: AFT
BREAKER PANEL
MOD.: 34-PC
DR BY: JAW
32



AFT BREAKER PANEL
(LOCATED UNDER WET BAR)

(REAR VIEW)





(rear view)

DASH BREAKER PANEL

PANEL #197751

PIGTAIL #197756



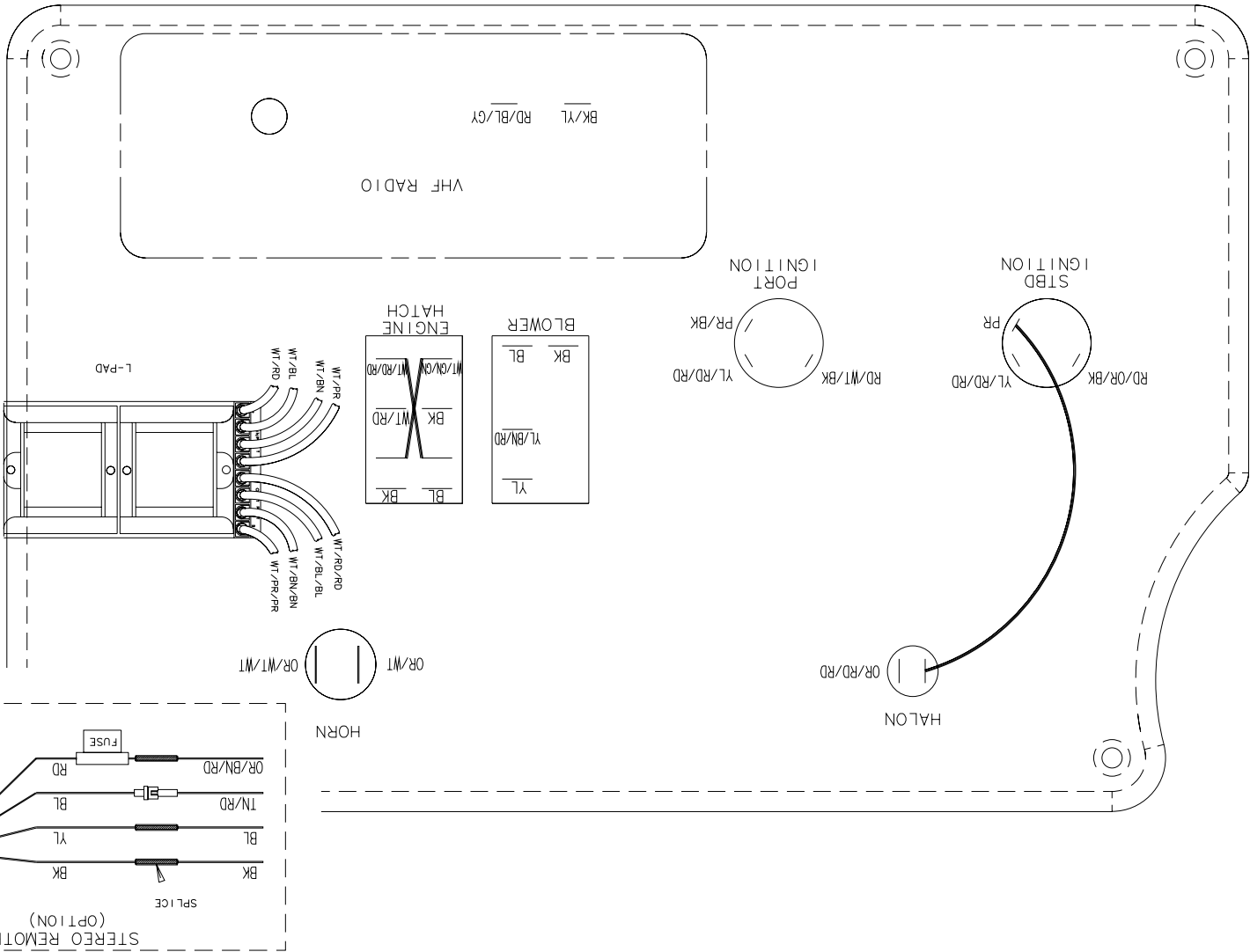
TITLE: DASH BREAKER PANEL	
MOD.: 34-PC	33
DR BY: JAW	



THUNDERBIRD
PRODUCTS
ENGINEERING

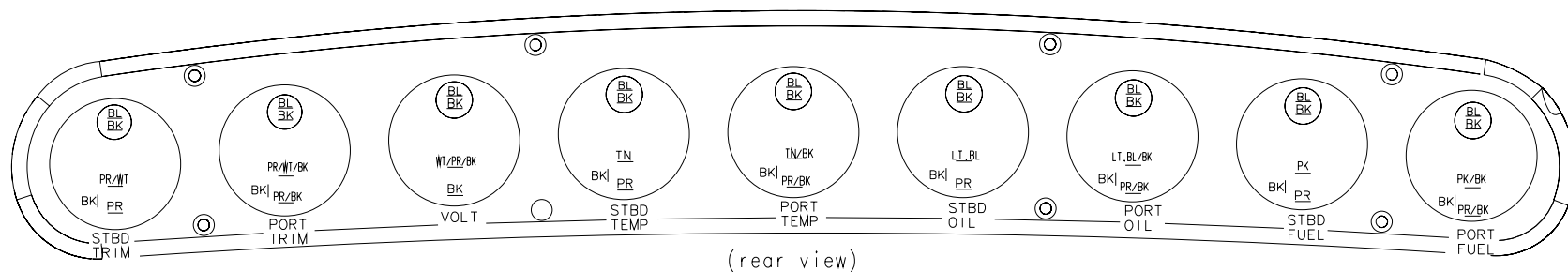
PANEL #195303
PICTAIL #198046

TITLE: IGNITION
PANEL
MOD.: 34-PC
DR BY: JAW
34

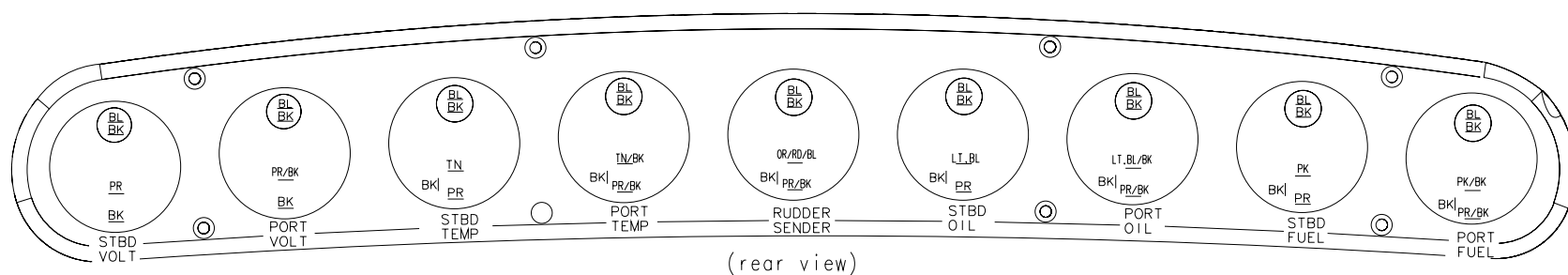


STERN DRIVE

NOTE:
ALL CONNECTIONS DENOTED BL
ARE CONNECTED IN PARALLEL
TO THE PANEL LIGHTS SWITCH
ON THE ACCESSORY PANEL.



V-DRIVE



THUNDERBIRD
PRODUCTS
ENGINEERING

PANEL #123320
PIGTAIL #198065

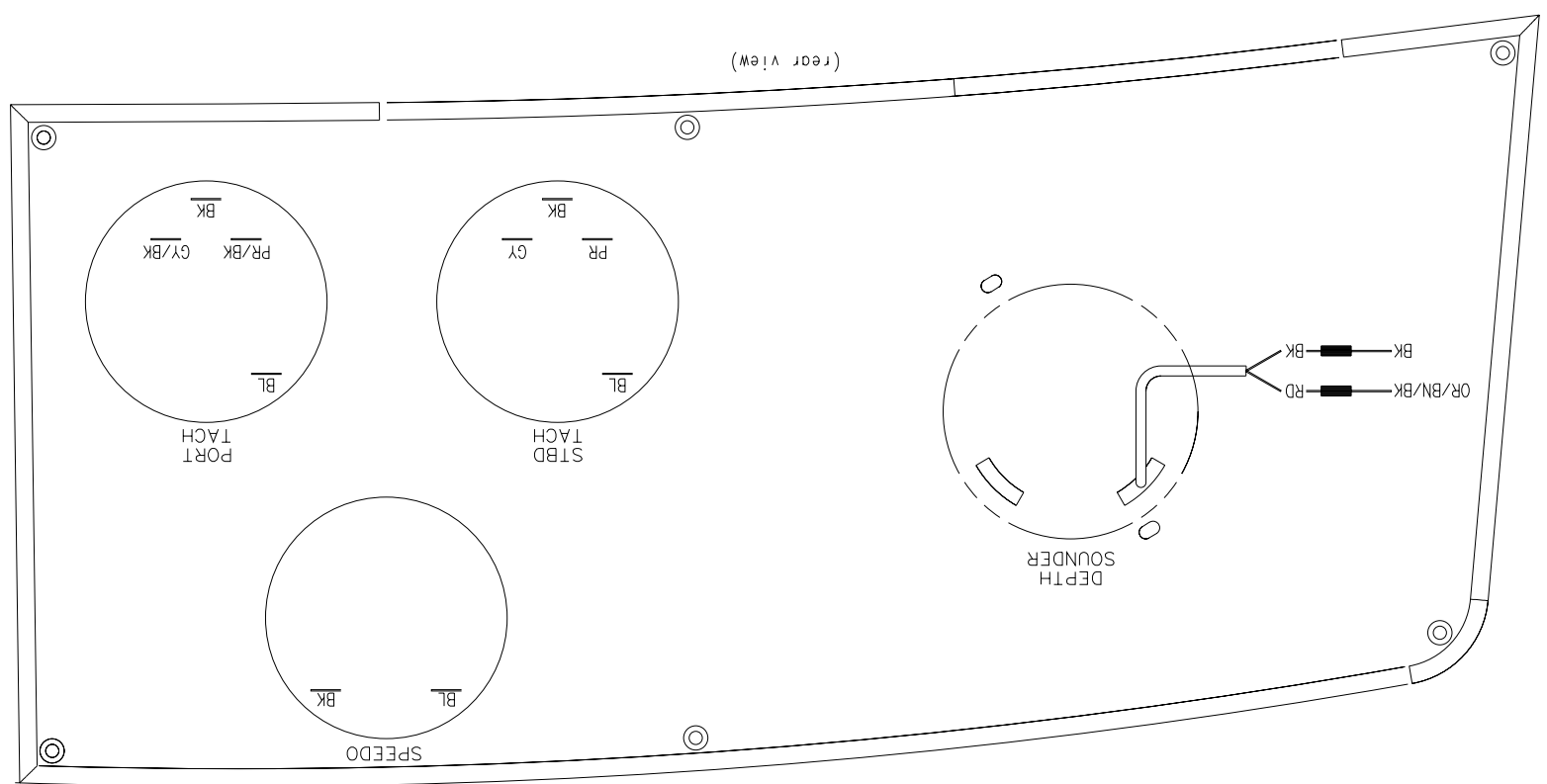
TITLE: LOWER INSTRUMENT PANEL	
MOD.: 34-PC	35
DR BY: JAW	



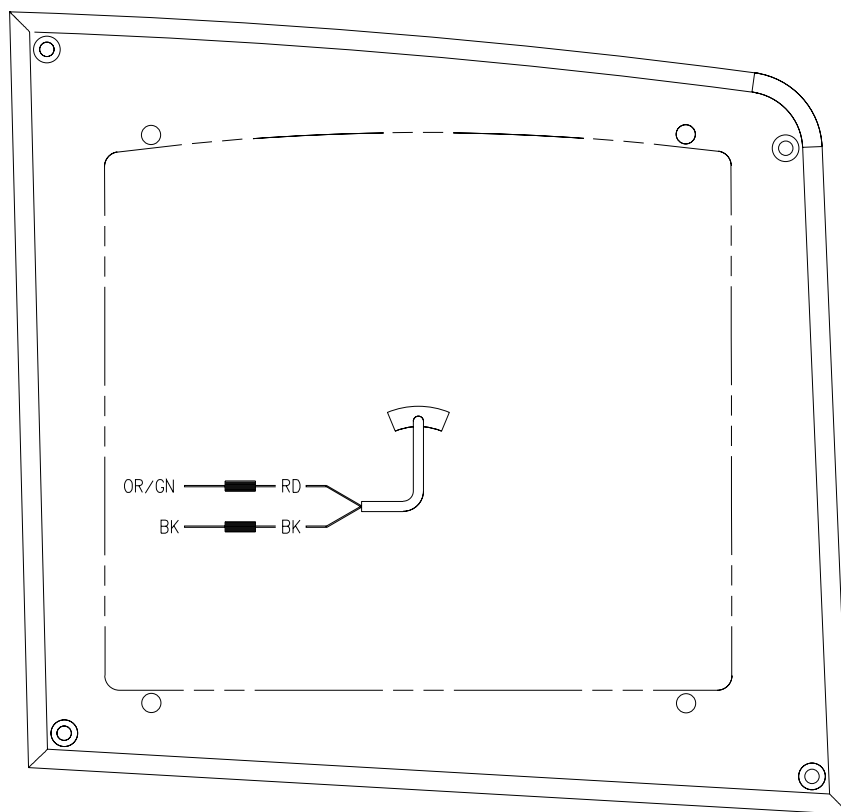
THUNDERBIRD
PRODUCTS
ENGINEERING

PANEL #195301
PIGTAIL #198044

TITLE: MAIN INSTRUMENT PANEL	
MOD.: 34-PC	DR BY: JAW
36	



NOTE:
ALL CONNECTIONS DENOTED "BL"
ARE CONNECTED IN PARALLEL
TO THE PANEL LIGHT SWITCH
ON THE ACCESSORY PANEL



PANEL #195302

PIGTAIL #198044



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: MAIN INBOARD INSTRUMENT PANEL	
MOD.: 34-PC	37
DR BY: JAW	

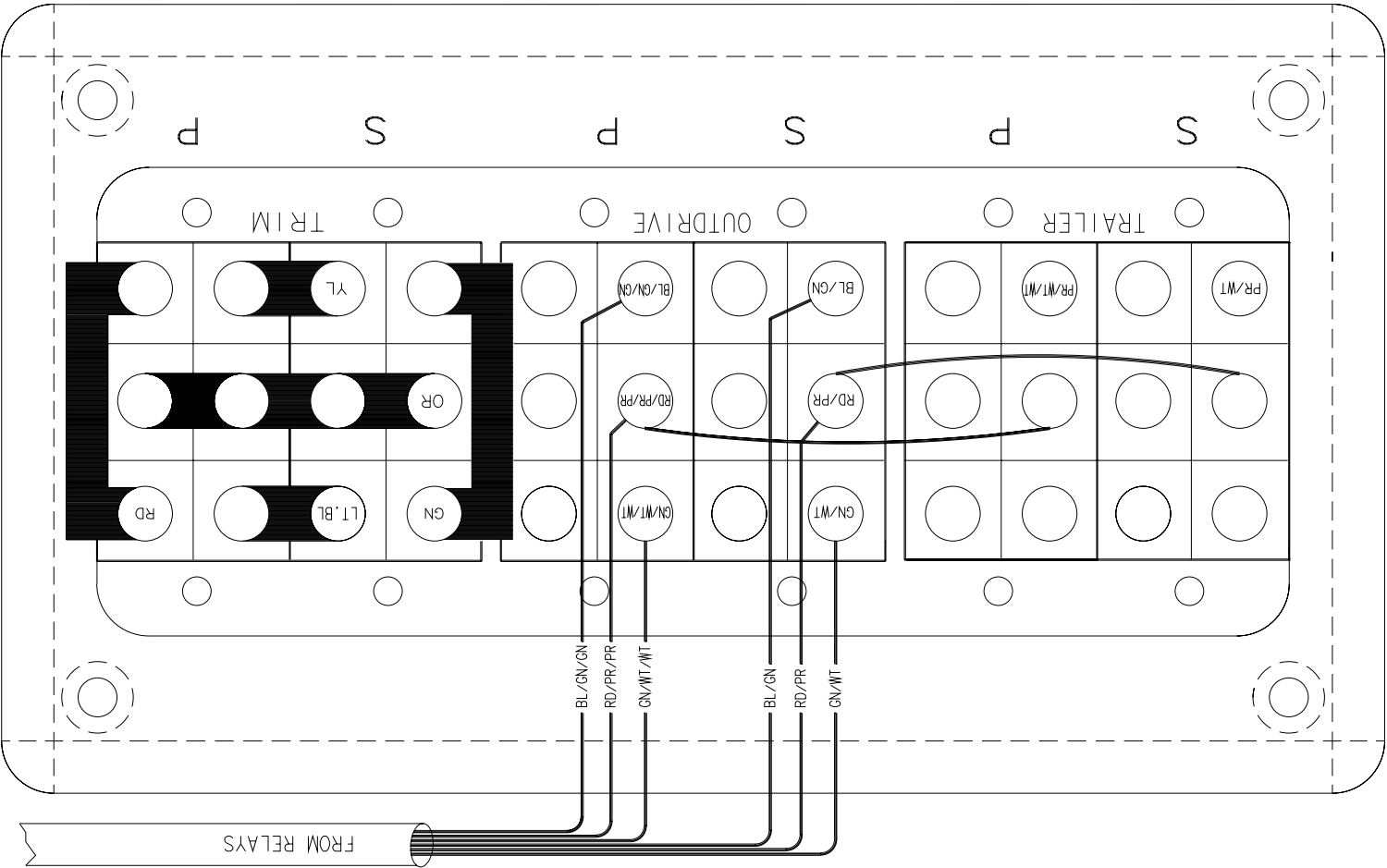


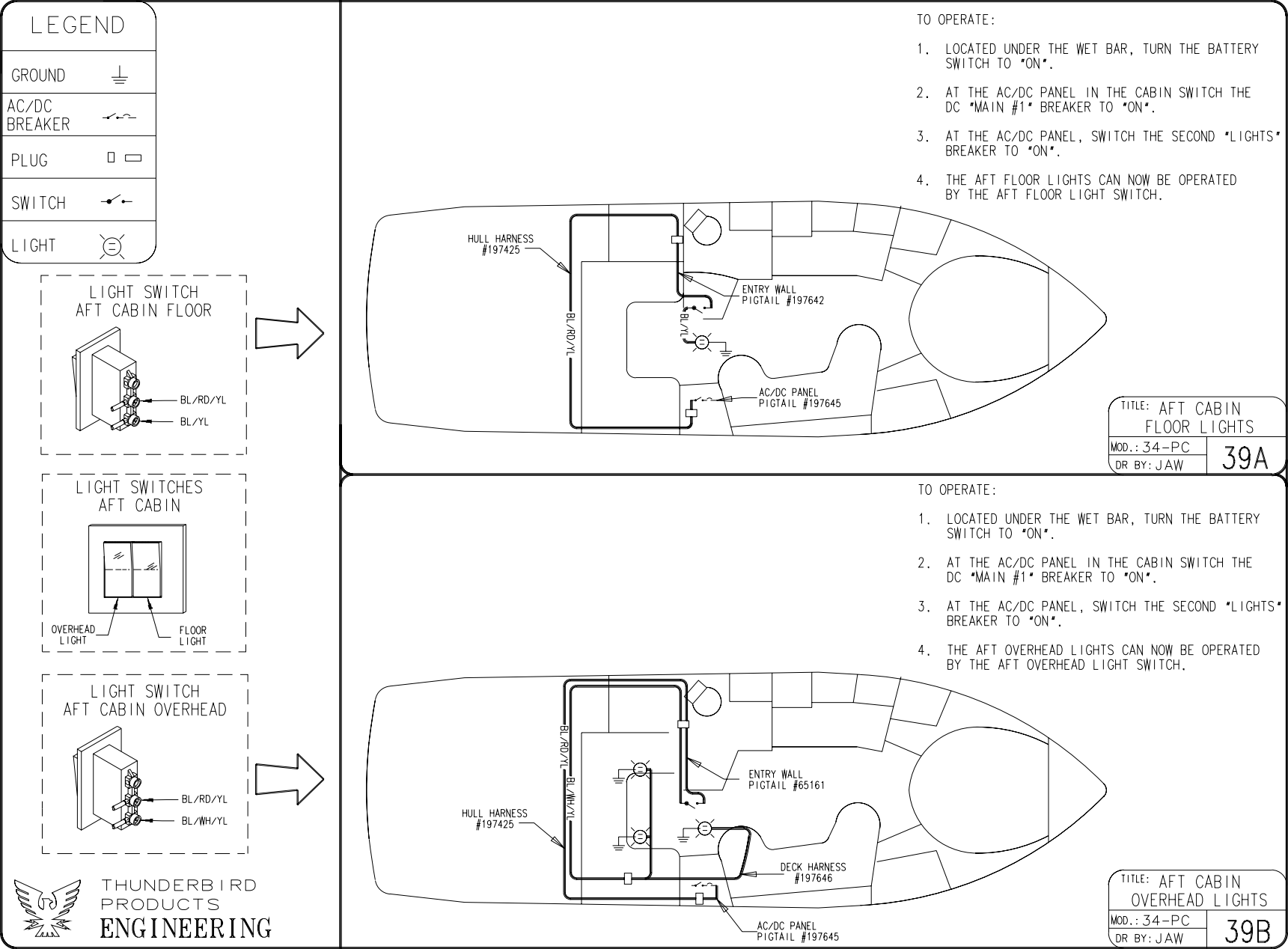
THUNDERBIRD
PRODUCTS
ENGINEERING

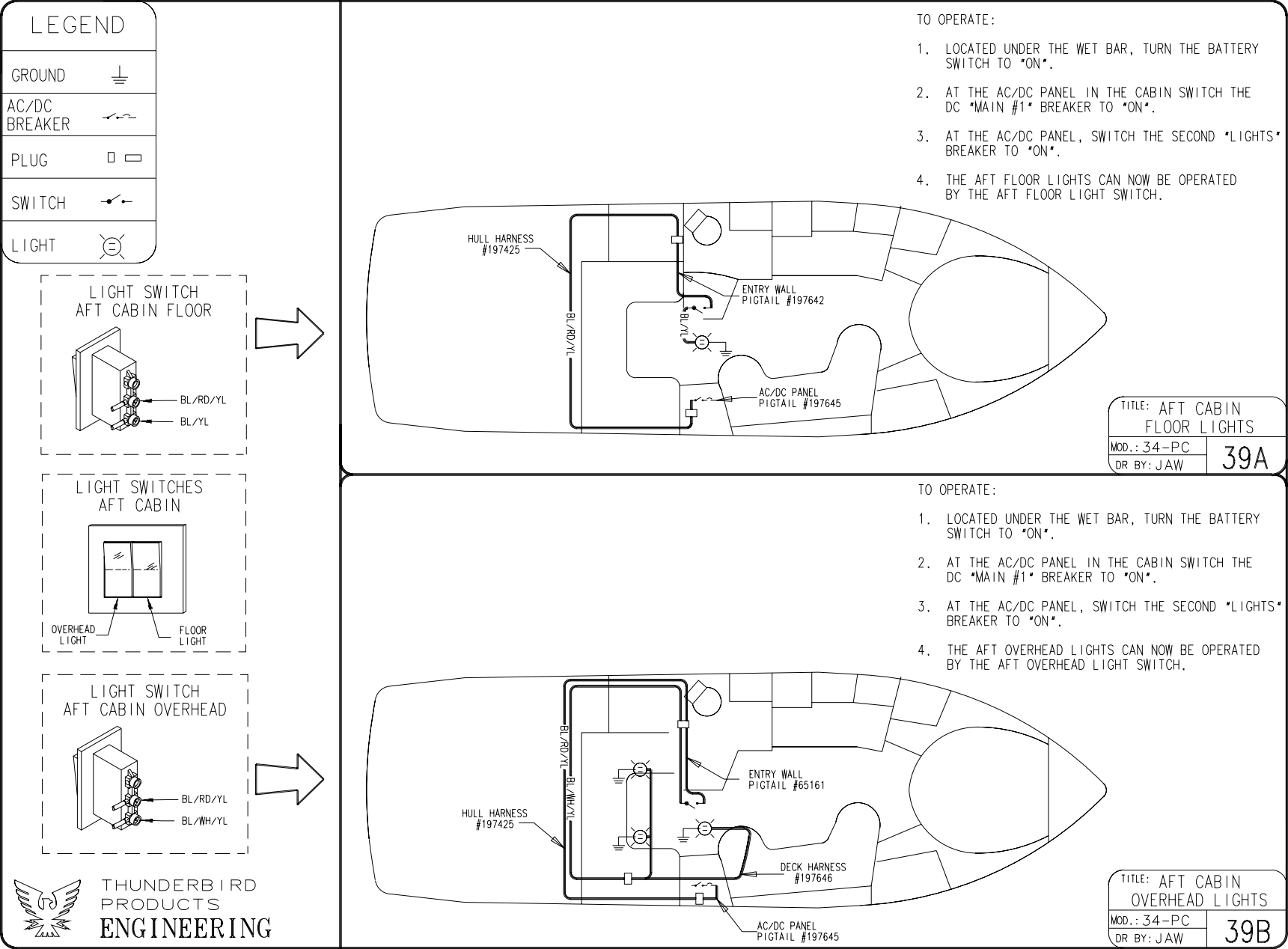
PANEL #139658
PIGTAIL #197757

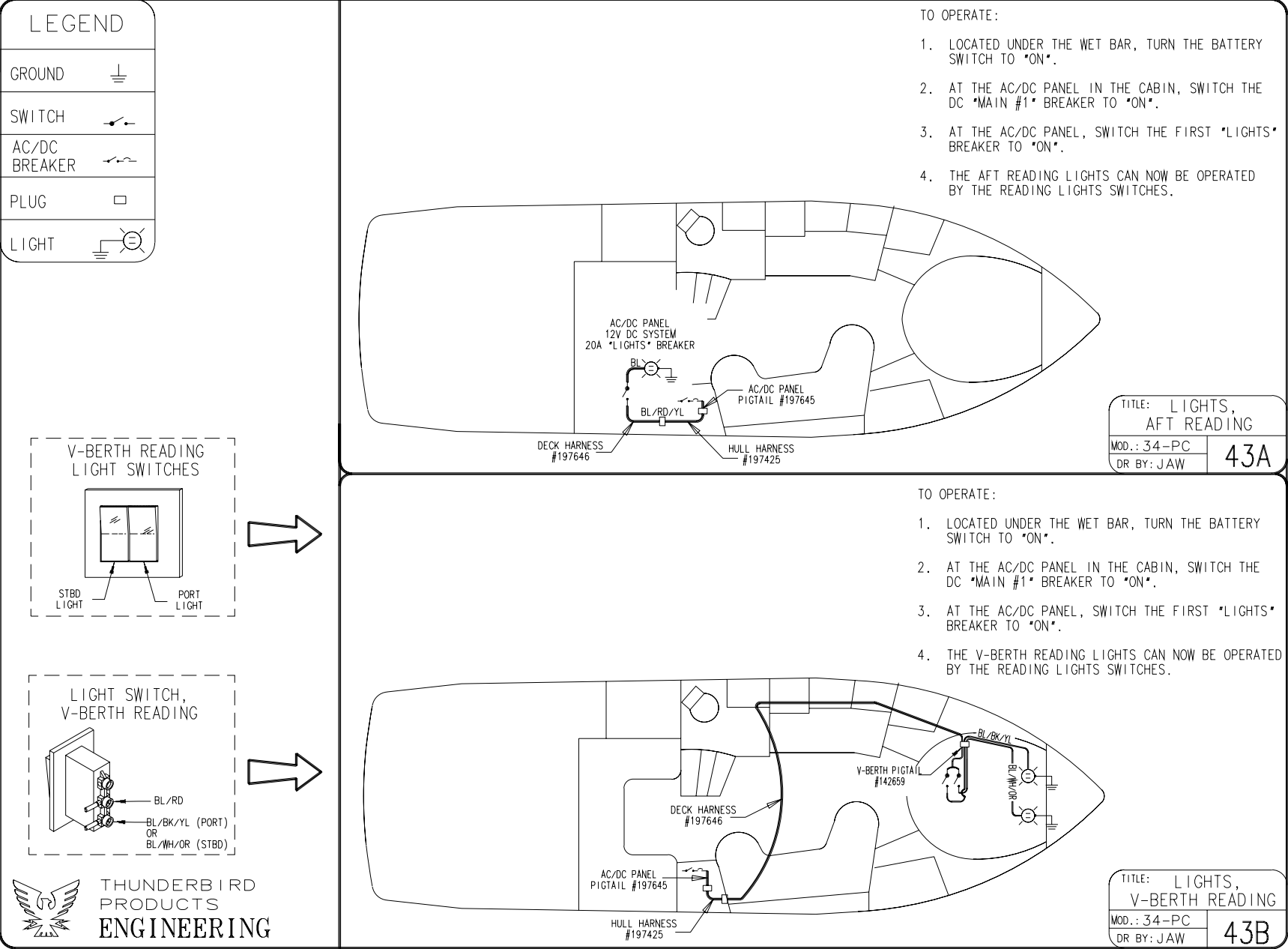
TITLE: TRIM TABS
MOD.: 34-PC
DR BY: JAW
38

(REAR VIEW)









LEGEND

GROUND

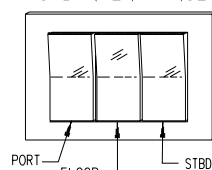
LIGHT

SWITCH

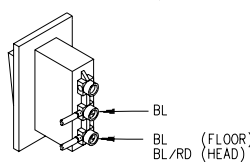
BREAKER

PLUG

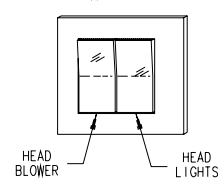
LIGHT SWITCHES CABIN ENTRANCE



LIGHT SWITCH HEAD UNIT

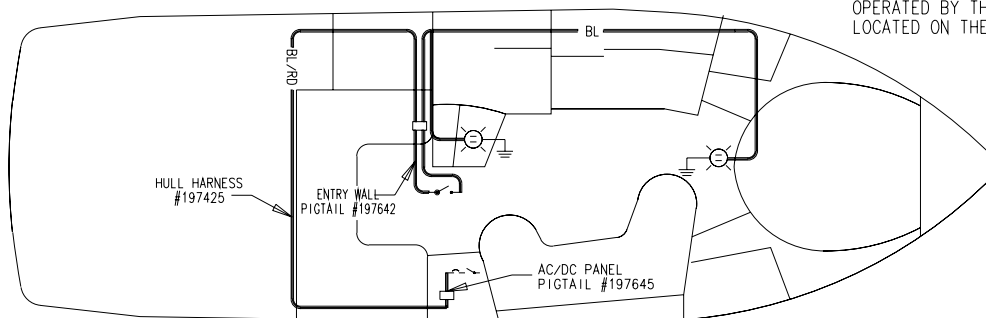


HEAD UNIT SWITCHES



TO OPERATE:

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE DC "MAIN #1" BREAKER TO "ON".
3. AT THE AC/DC PANEL, SWITCH THE FIRST "LIGHTS" BREAKER TO "ON".
4. THE MAIN CABIN FLOOR LIGHTS CAN NOW BE OPERATED BY THE FLOOR LIGHT SWITCH, LOCATED ON THE ENTRY WALL.



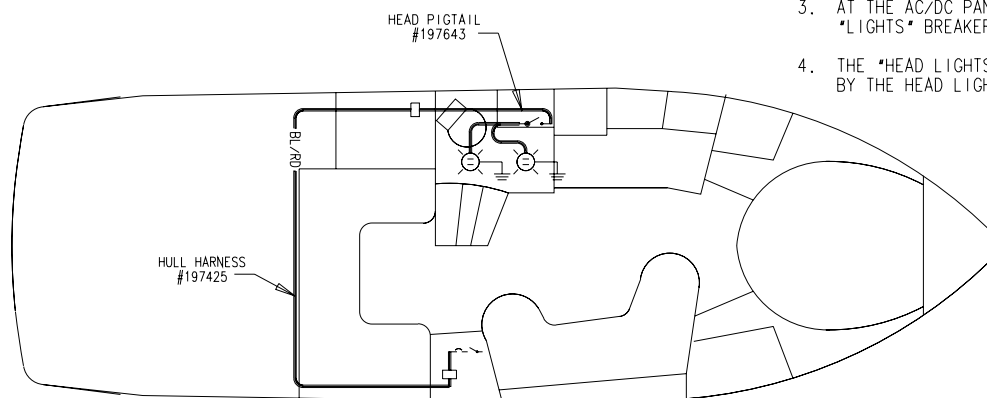
TITLE: MAIN CABIN
FLOOR LIGHTS

MOD.: 34-PC
DR BY: JAW

41A

TO OPERATE:

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE DC "MAIN #1" BREAKER TO "ON".
3. AT THE AC/DC PANEL, SWITCH THE FIRST "LIGHTS" BREAKER TO "ON".
4. THE "HEAD LIGHTS" CAN NOW BE OPERATED BY THE HEAD LIGHT SWITCH.



TITLE: HEAD UNIT
OVERHEAD LIGHTS

MOD.: 34-PC
DR BY: JAW

41B



THUNDERBIRD
PRODUCTS
ENGINEERING

LEGEND

GROUND

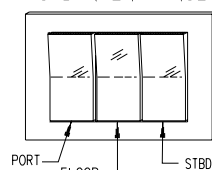
LIGHT

SWITCH

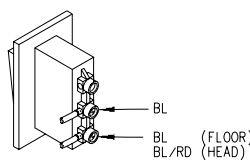
BREAKER

PLUG

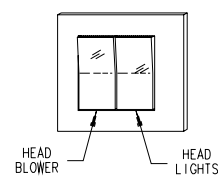
LIGHT SWITCHES CABIN ENTRANCE



LIGHT SWITCH HEAD UNIT

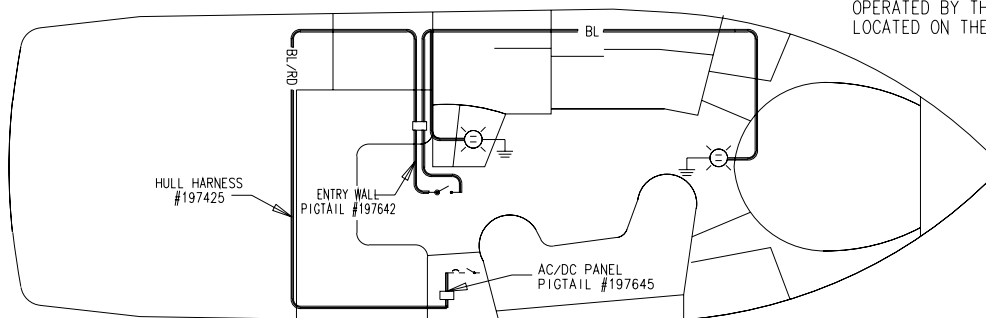


HEAD UNIT SWITCHES



TO OPERATE:

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE DC "MAIN #1" BREAKER TO "ON".
3. AT THE AC/DC PANEL, SWITCH THE FIRST "LIGHTS" BREAKER TO "ON".
4. THE MAIN CABIN FLOOR LIGHTS CAN NOW BE OPERATED BY THE FLOOR LIGHT SWITCH, LOCATED ON THE ENTRY WALL.



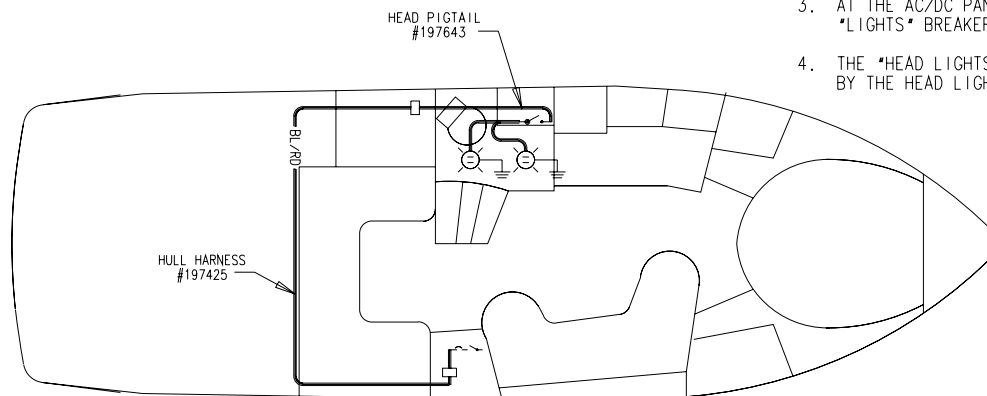
TITLE: MAIN CABIN
FLOOR LIGHTS

MOD.: 34-PC
DR BY: JAW

41A

TO OPERATE:

1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE DC "MAIN #1" BREAKER TO "ON".
3. AT THE AC/DC PANEL, SWITCH THE FIRST "LIGHTS" BREAKER TO "ON".
4. THE "HEAD LIGHTS" CAN NOW BE OPERATED BY THE HEAD LIGHT SWITCH.



TITLE: HEAD UNIT
OVERHEAD LIGHTS

MOD.: 34-PC
DR BY: JAW

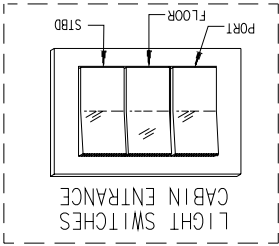
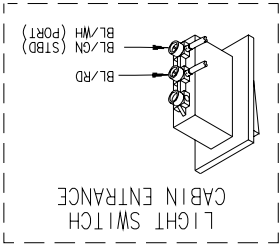
41B



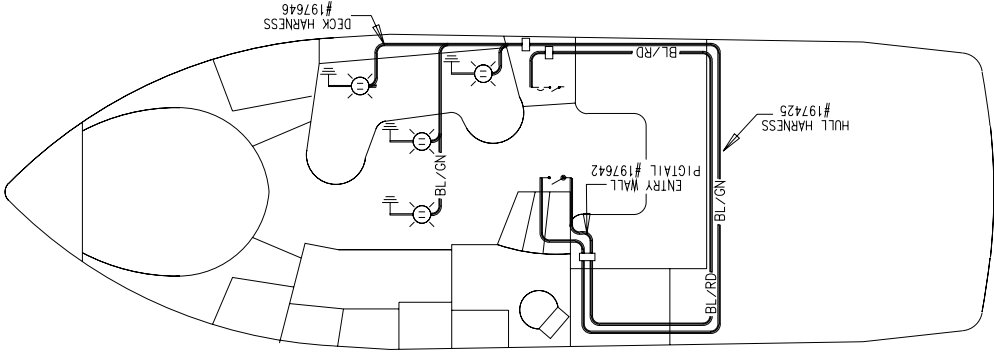
THUNDERBIRD
PRODUCTS
ENGINEERING



THUNDERBIRD
PRODUCTS
ENGINEERING

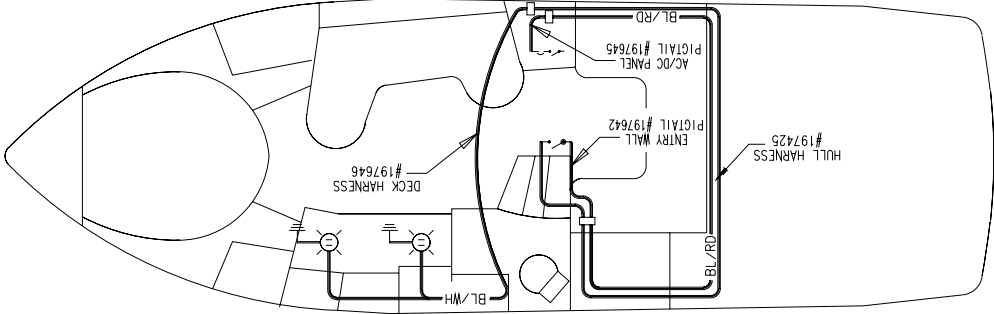


LEGEND	
	GROUND
	SWITCH
	BREAKER
	LIGHT
	PLUG



TITLE: STBD CABIN LIGHT
MOD.: 34-PC
DR BY: JAW
40B

- TO OPERATE:
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE MAIN #1 BREAKER TO "ON".
 3. AT THE AC/DC PANEL, SWITCH THE FIRST LIGHTS BREAKER TO "ON".
 4. THE MAIN CABIN STBD OVERHEAD LIGHTS CAN NOW BE OPERATED BY THE STBD MAIN CABIN LIGHT SWITCH.

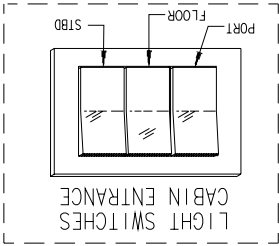
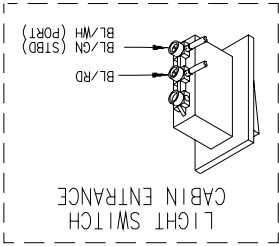


TITLE: PORT CABIN LIGHT
MOD.: 34-PC
DR BY: JAW
40A

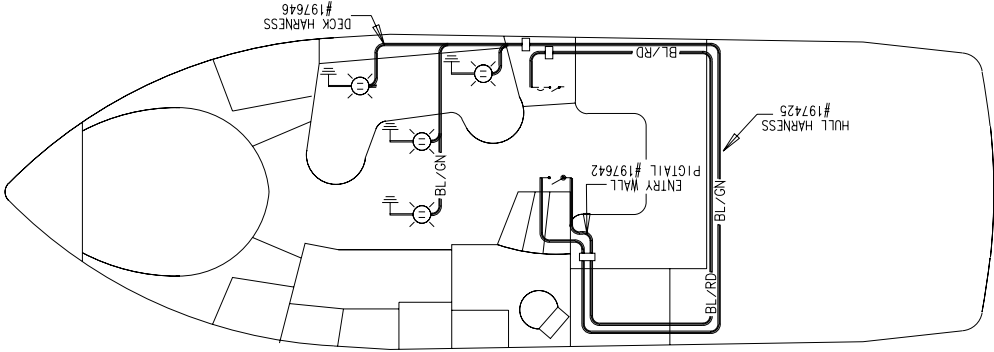
- TO OPERATE:
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE MAIN #1 BREAKER TO "ON".
 3. AT THE AC/DC PANEL, SWITCH THE FIRST LIGHTS BREAKER TO "ON".
 4. THE MAIN CABIN PORT OVERHEAD LIGHTS CAN NOW BE OPERATED BY THE PORT MAIN CABIN LIGHT SWITCH.



THUNDERBIRD
PRODUCTS
ENGINEERING

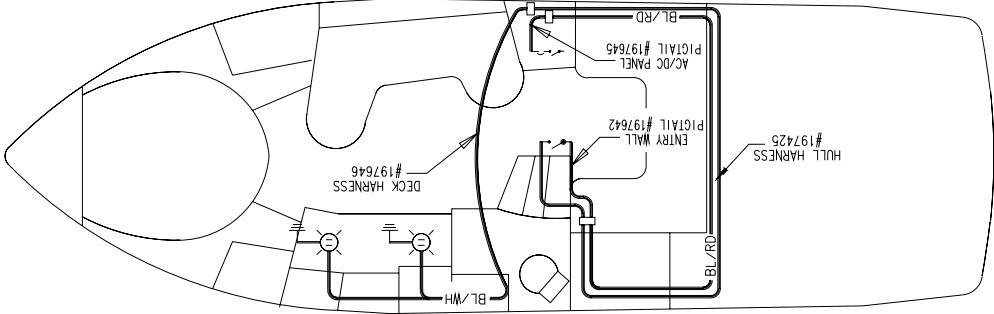


LEGEND	
	GROUND
	SWITCH
	BREAKER
	LIGHT
	PLUG



TITLE: STBD CABIN LIGHT
MOD.: 34-PC
DR BY: JAW
40B

- TO OPERATE:
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE MAIN #1 BREAKER TO "ON".
 3. AT THE AC/DC PANEL, SWITCH THE FIRST LIGHTS BREAKER TO "ON".
 4. THE MAIN CABIN STBD OVERHEAD LIGHTS CAN NOW BE OPERATED BY THE STBD MAIN CABIN LIGHT SWITCH.



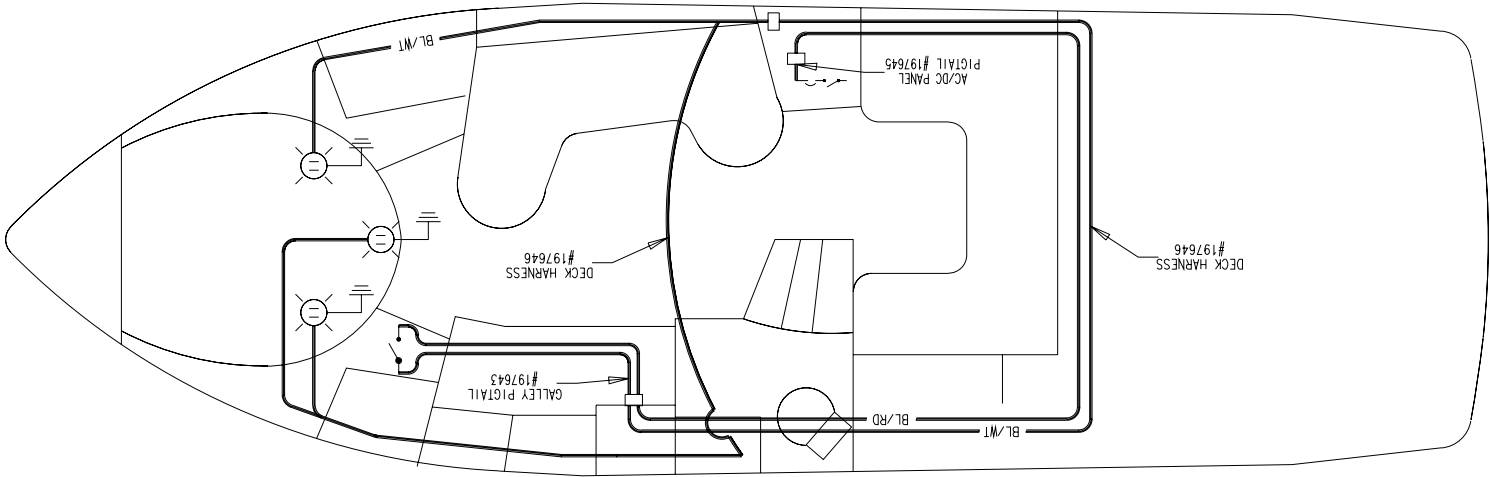
TITLE: PORT CABIN LIGHT
MOD.: 34-PC
DR BY: JAW
40A

- TO OPERATE:
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE MAIN #1 BREAKER TO "ON".
 3. AT THE AC/DC PANEL, SWITCH THE FIRST LIGHTS BREAKER TO "ON".
 4. THE MAIN CABIN PORT OVERHEAD LIGHTS CAN NOW BE OPERATED BY THE PORT MAIN CABIN LIGHT SWITCH.

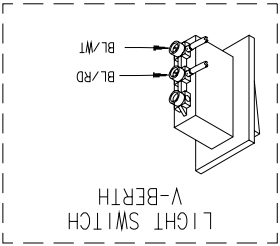
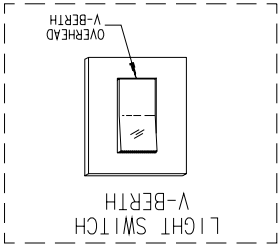


THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: LIGHTS, OVERHEAD
V-BERTH
MOD.: 34-PC
DR BY: JAW
42



LEGEND	
	GROUND
	SWITCH
	AC/DC BREAKER
	PLUG
	LIGHT



- TO OPERATE:
1. LOCATED UNDER THE WET BAR, TURN THE BATTERY SWITCH TO "ON".
 2. AT THE AC/DC PANEL IN THE CABIN, SWITCH THE DC "MAIN #1" BREAKER TO "ON".
 3. AT THE AC/DC PANEL, SWITCH THE FIRST "LIGHTS" BREAKER TO "ON".
 4. BY THE V-BERTH OVERHEAD LIGHT SWITCH.

