

F-382 SR1 WIRING, FUEL, AND PLUMBING DIAGRAMS

HARNESS & PIGTAIL #'S	382-B
110V AC SCHEMATIC	382-C
220V AC SCHEMATIC	382-D
12V DC SCHEMATIC	382-E

AC CIRCUITS

AIR CONDITIONER	382-1
BATTERY CHARGER	382-2
BLENDER	382-3
GENERATOR	382-4
MICROWAVE	382-5
OUTLETS, PORT	382-6
OUTLETS, STBD	382-7
REFRIGERATOR	382-8
SHOREPOWER	382-9
TELEVISION	382-7
WATER HEATER	382-10

DC CIRCUITS

ALARM, HIGH WATER	382-100
BATTERY PARALLEL	382-110
BLOWERS, ENGINE BILGE	382-120
BLOWERS, HEAD	382-121
BOLSTER SEATS	382-130
CONSTANT POWER	382-140
DC SUPPLY	382-150
DEPTH SOUNDER	382-160
ENGINE HATCH	382-170
FOOT REST	382-180
FUME DETECTOR	382-190
GALVANIC ISOLATOR	382-195
GENERATOR	382-200
GPS	382-210
HORN	382-220
IGNITION	382-230
INSTRUMENT PANELS	382-240
	382-241
	382-242
	382-243
	382-244
K-PLANES	382-250
LIGHTS, CABIN,	
FLOOR	382-260
MOOD	382-261
V-BERTH	382-262
OVERHEAD	382-263
COCKPIT,	
COURTESY	382-264
DOCKING	382-265
NAV/ANCH	382-266

MACERATOR	382-270
MERCATHODE	382-280
OUTDRIVES	382-290
OUTLET, 12V DC	382-300
PUMPS,	
CABIN BILGE	382-310
ENGINE BILGE	382-320
HEAD	382-330
SHOWER	382-340
WATER	382-350
REFRIGERATOR	382-360
STEREO,	382-370
AMPS	382-371
SPEAKER LOCATION	382-372
SPEAKER WIRING	382-373
	382-374
VHF	382-380
WASTE SYSTEM	
WITH VACUUM PUMP	382-390

PLUMBING

CABIN BILGE PUMP	382-500
ENGINE BILGE PUMP	382-510
HEAD PUMP/ MACERATOR	382-520
SHOWER SUMP PUMP	382-530
WATER PUMP	382-540

FUEL SYSTEM

GASOLINE	382-600
----------	---------

BONDING

BONDING POINTS	382-700
----------------	---------



THUNDERBIRD
PRODUCTS
ENGINEERING

F-382 SR1 PIGTAIL & HARNESS #'S

PIGTAILS

AC/DC _____	8525
ACCESSORY _____	9122
AFT BREAKER _____	8524
BOLSTER SEAT _____	7328
BOW LIGHT _____	8534
DASH BREAKER _____	9117
FLOOR LIGHT _____	3580
GALLEY _____	8533
IGNITION _____	9121

PIGTAILS CONT.

INSTRUMENT PANEL ____	6704
K-PLANE _____	8531
VALANCE _____	8530

HARNESSES

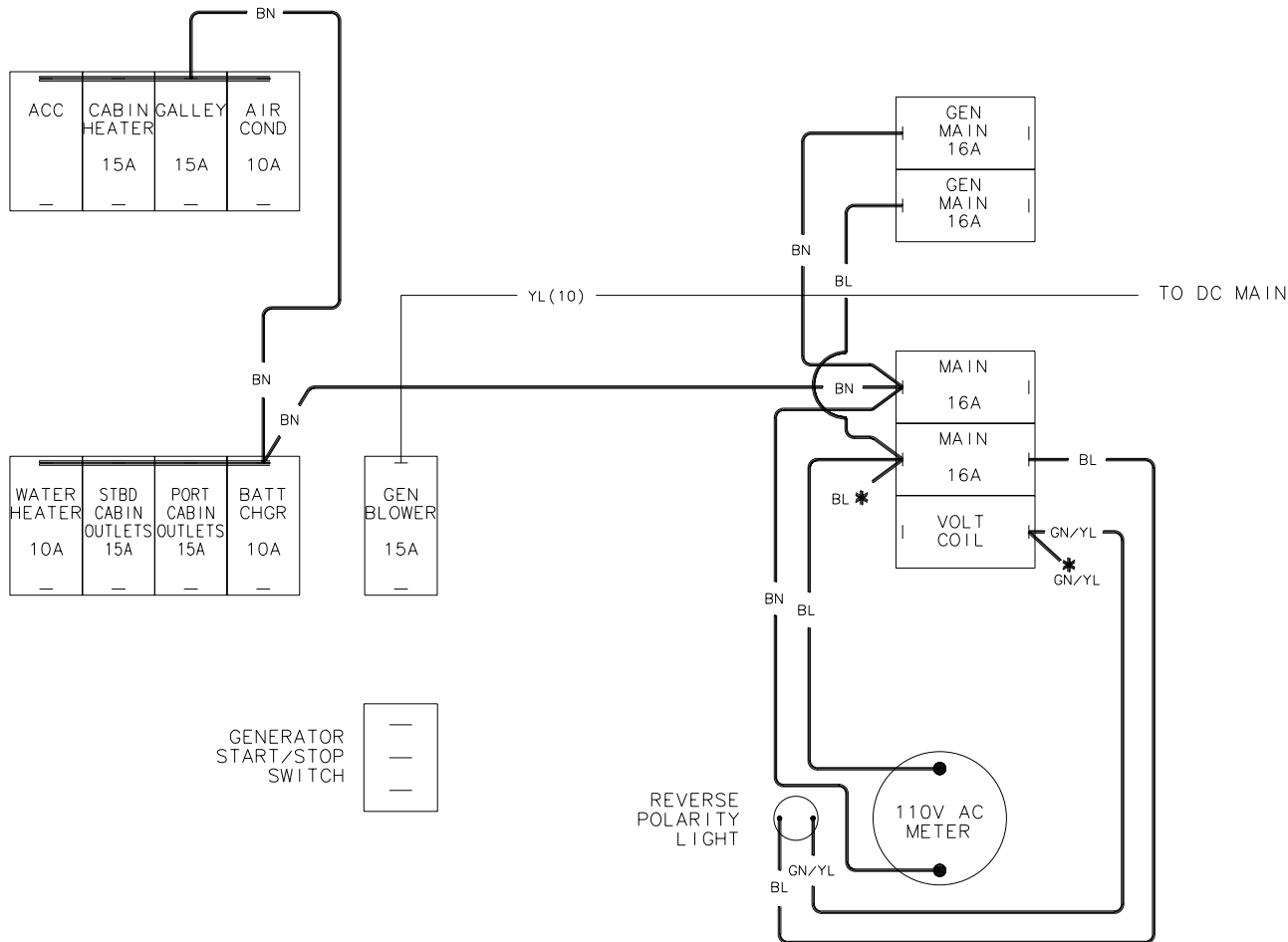
110V/220V AC _____	8752
DECK _____	9116
HULL _____	8522



THUNDERBIRD
PRODUCTS
ENGINEERING



(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

220V AC SCHEMATIC

MODEL: F-382 SR1

DR BY: R. HANNI

NO.: 382-D

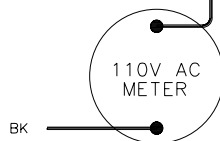
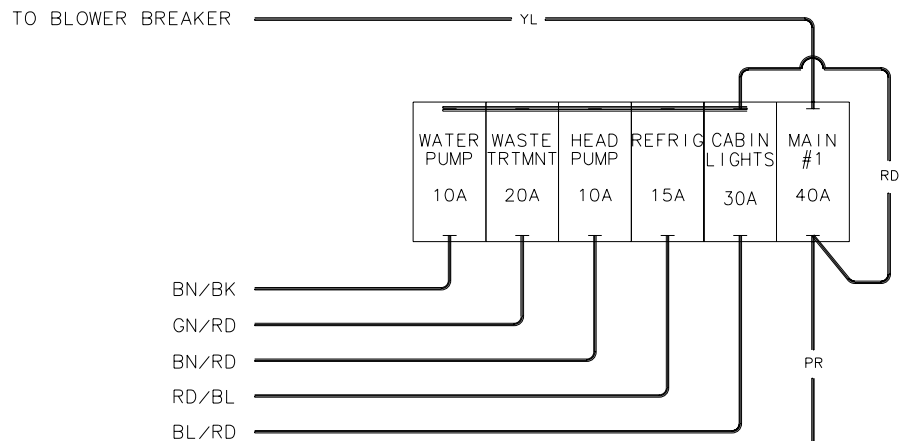
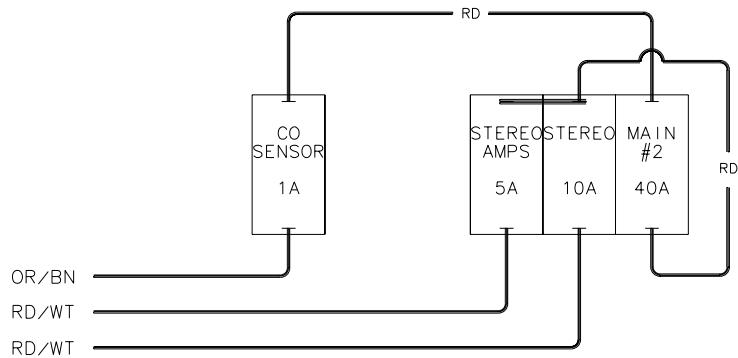
DATE: 3/1/96

THUNDERBIRD PRODUCTS

P.O. BOX 1003

DECATUR IN., 46733-5003

(260) 724-9111

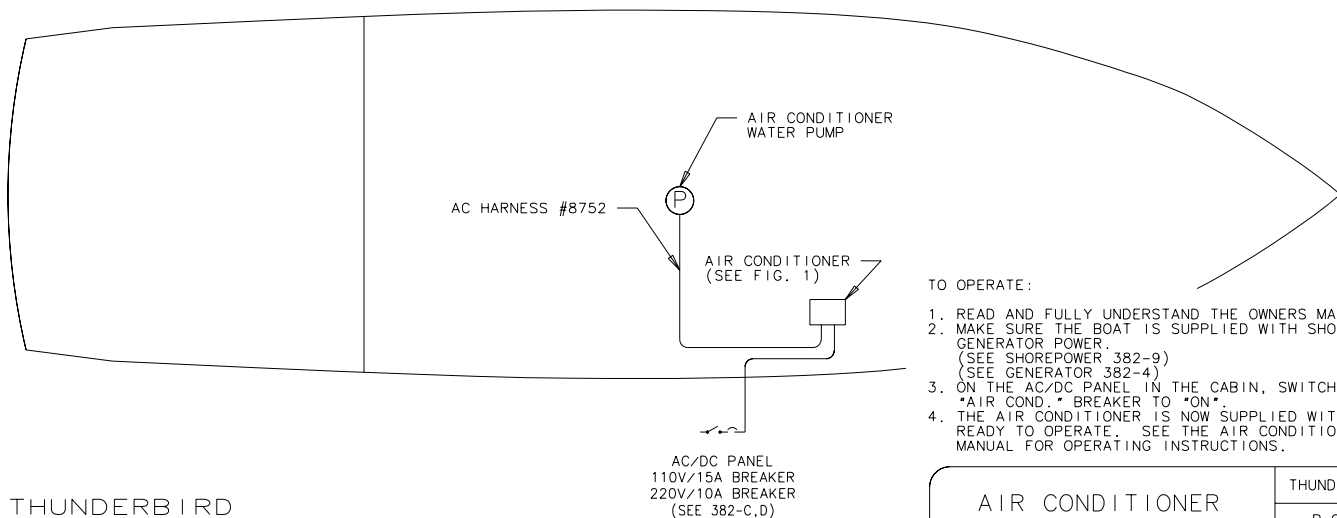
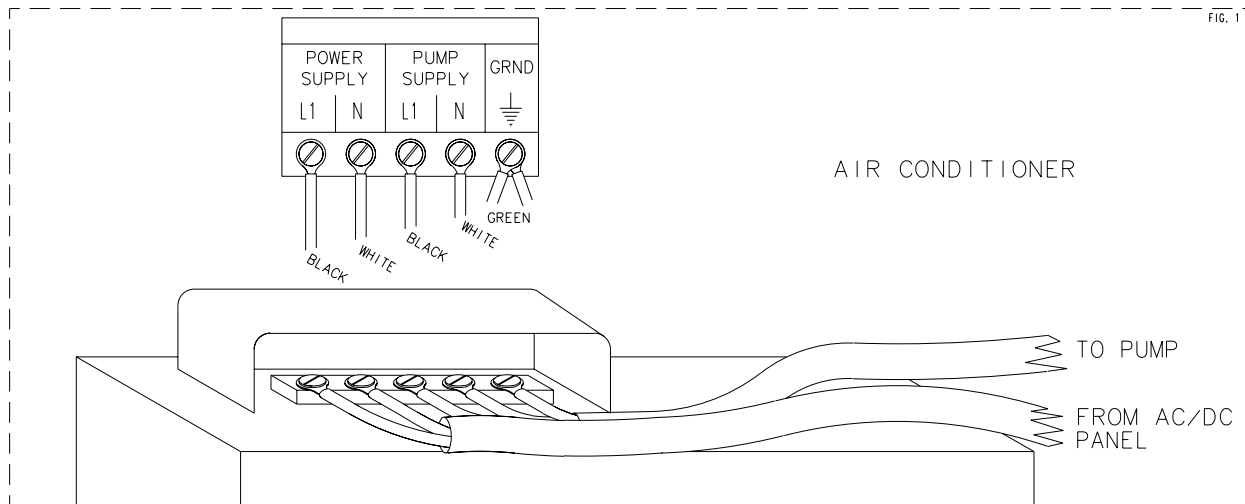


THUNDERBIRD
PRODUCTS
ENGINEERING

12V DC SCHEMATIC		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-E	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER SWITCH	
PUMP	



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "AIR COND." BREAKER TO "ON".
4. THE AIR CONDITIONER IS NOW SUPPLIED WITH POWER AND READY TO OPERATE. SEE THE AIR CONDITIONERS OPERATORS MANUAL FOR OPERATING INSTRUCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

AIR CONDITIONER

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

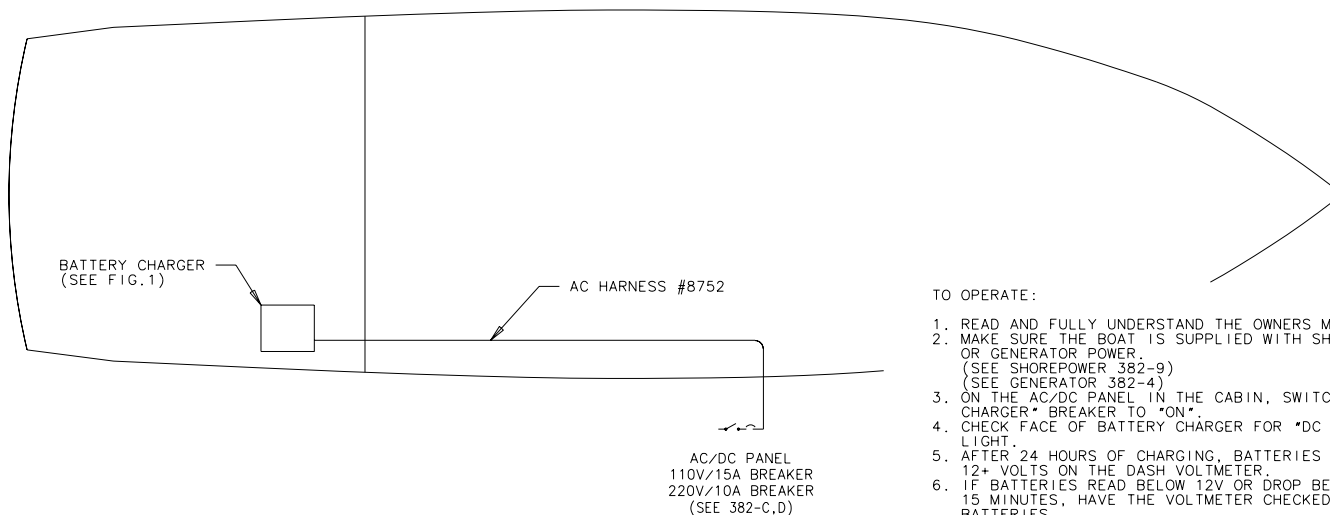
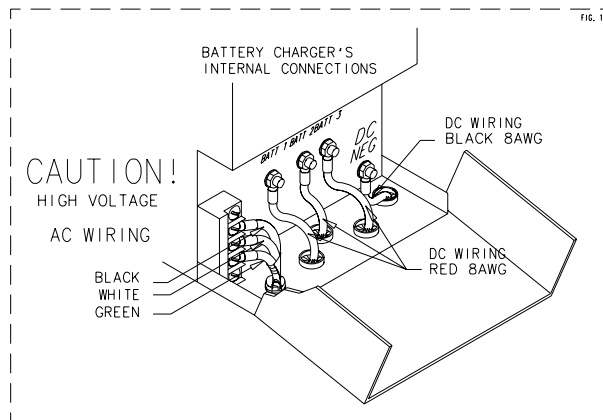
NO.: 382-1

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
SWITCH



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "BATTERY CHARGER" BREAKER TO "ON".
4. CHECK FACE OF BATTERY CHARGER FOR "DC AVAILABLE" LIGHT.
5. AFTER 24 HOURS OF CHARGING, BATTERIES SHOULD READ 12+ VOLTS ON THE DASH VOLTMETER.
6. IF BATTERIES READ BELOW 12V OR DROP BELOW 12V WITHIN 15 MINUTES, HAVE THE VOLTMETER CHECKED, THEN THE BATTERIES.



THUNDERBIRD
PRODUCTS
ENGINEERING

BATTERY CHARGER

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-2

DATE: 3/1/96

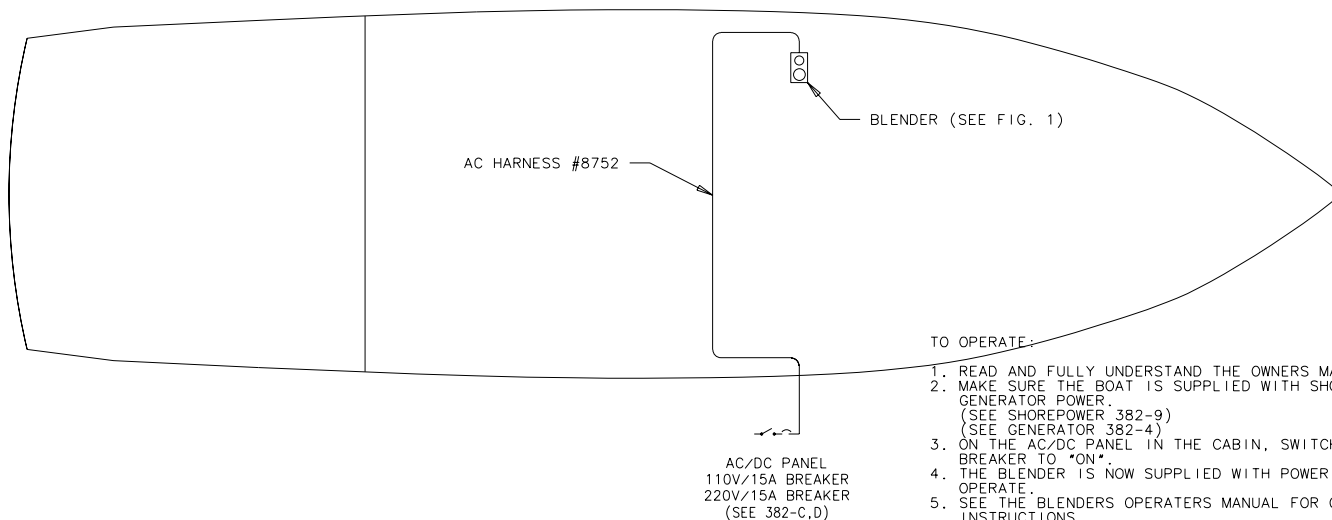
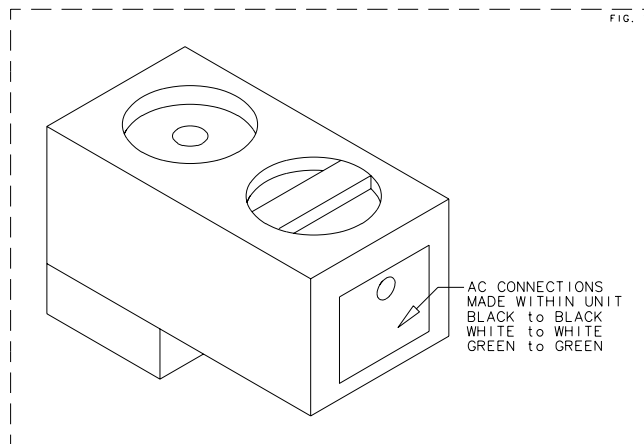
(260) 724-9111

LEGEND

BREAKER
SWITCH



FIG. 1



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "GALLEY" BREAKER TO "ON".
4. THE BLENDER IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE BLENDERS OPERATORS MANUAL FOR OPERATING INSTRUCTIONS.

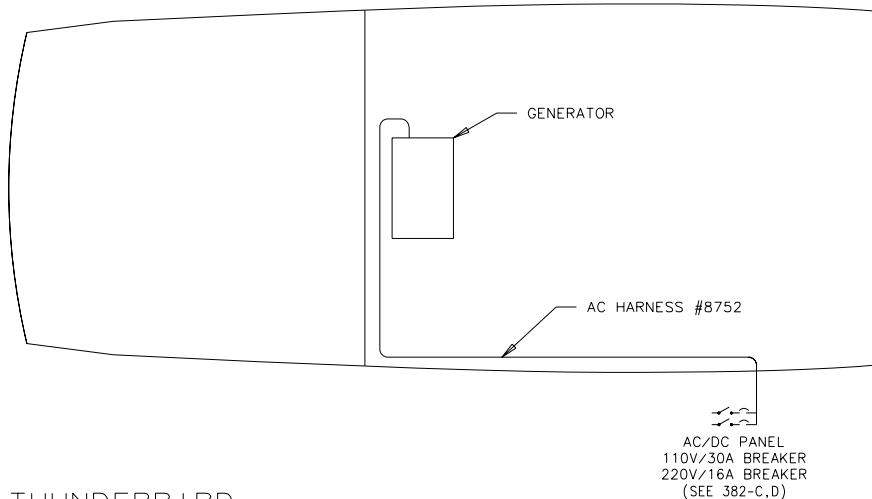
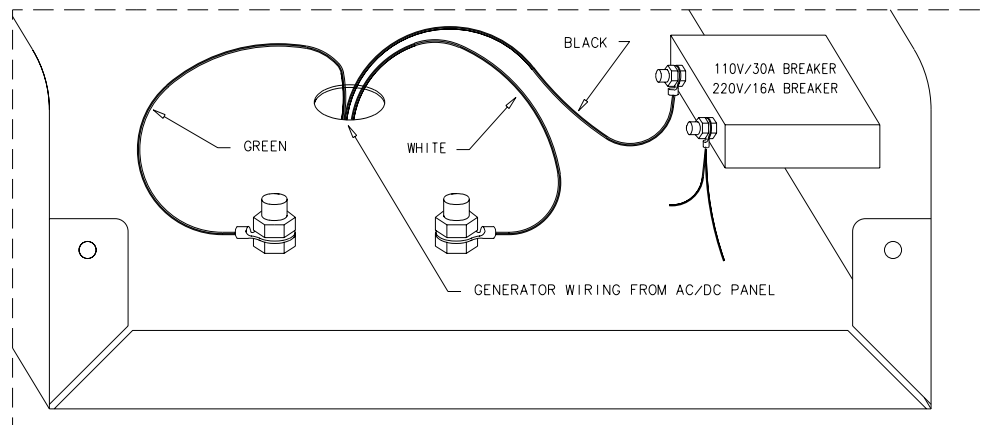


THUNDERBIRD
PRODUCTS
ENGINEERING

BLENDER		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-3	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
SWITCH



TO OPERATE:

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



THUNDERBIRD
PRODUCTS
ENGINEERING

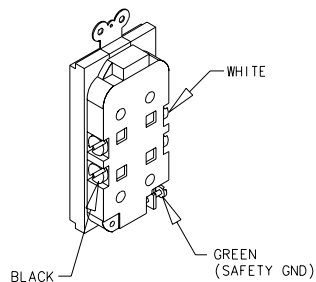
GENERATOR		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-4	DATE: 3/1/96	(260) 724-9111

LEGEND

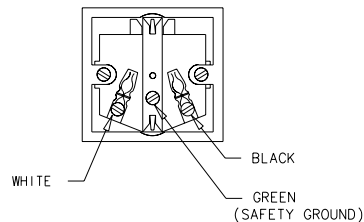
BREAKER
SWITCH



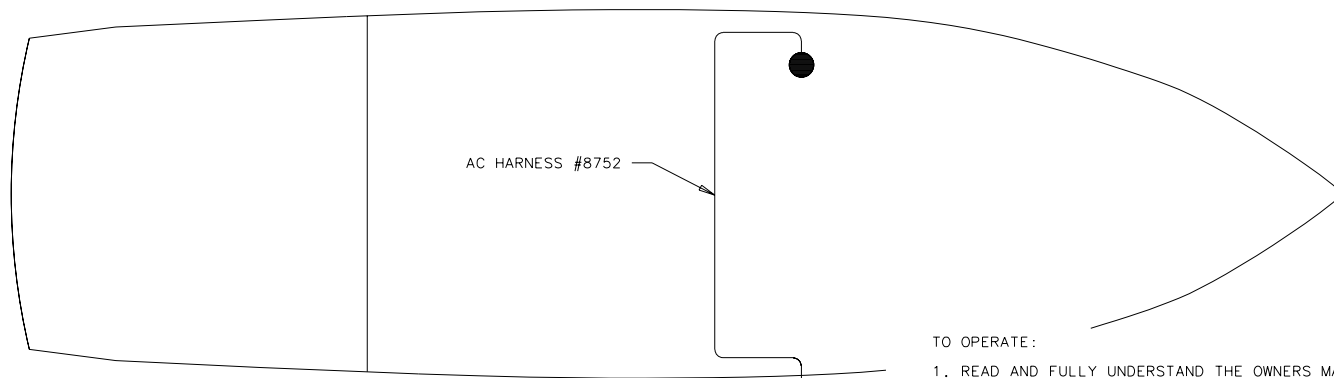
OUTLET



110V AC OUTLET



220V AC OUTLET



AC/DC PANEL
110V/15A BREAKER
220V/10A BREAKER
(SEE 382-C,D)

TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "GALLEY" BREAKER TO "ON".
4. THE MICROWAVE IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE MICROWAVES OPERATORS MANUAL FOR OPERATING INSTRUCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

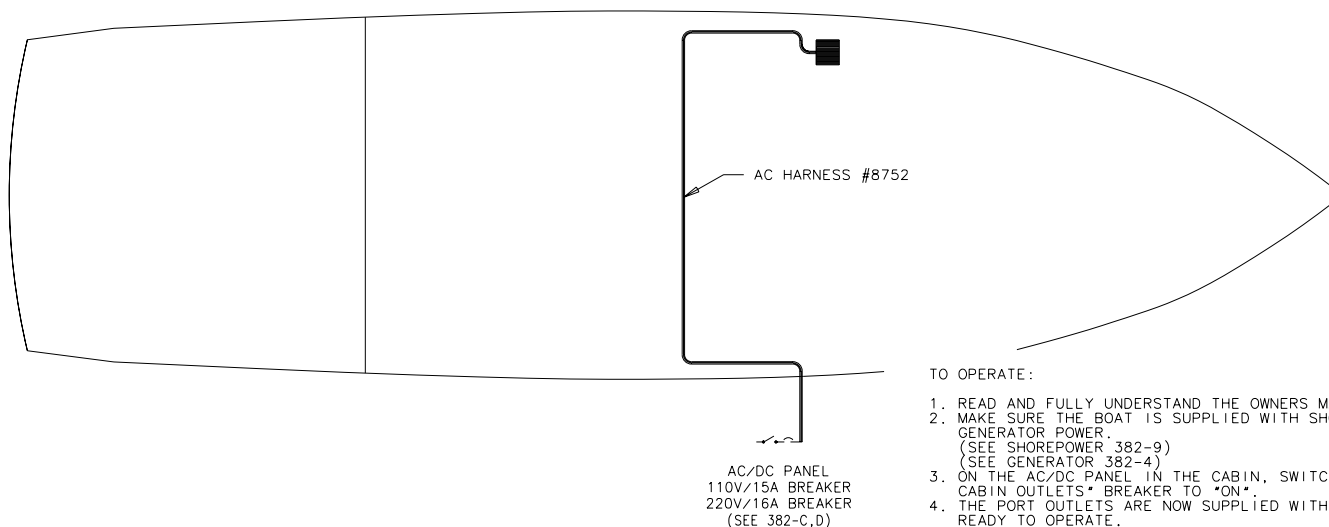
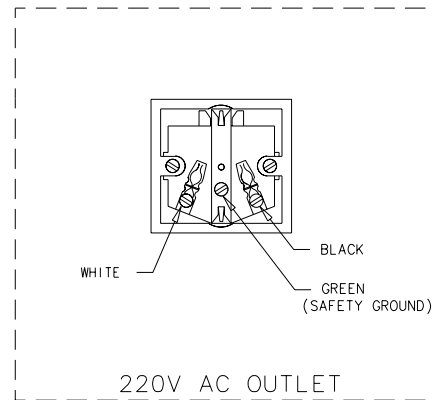
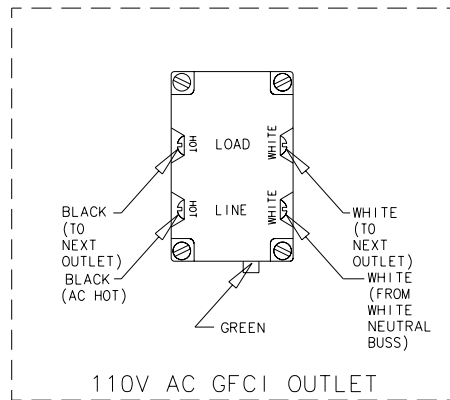
MICROWAVE		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-5	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
SWITCH



GFCI
OUTLETS



TO OPERATE:




1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "PORT CABIN OUTLETS" BREAKER TO "ON".
4. THE PORT OUTLETS ARE NOW SUPPLIED WITH POWER AND READY TO OPERATE.

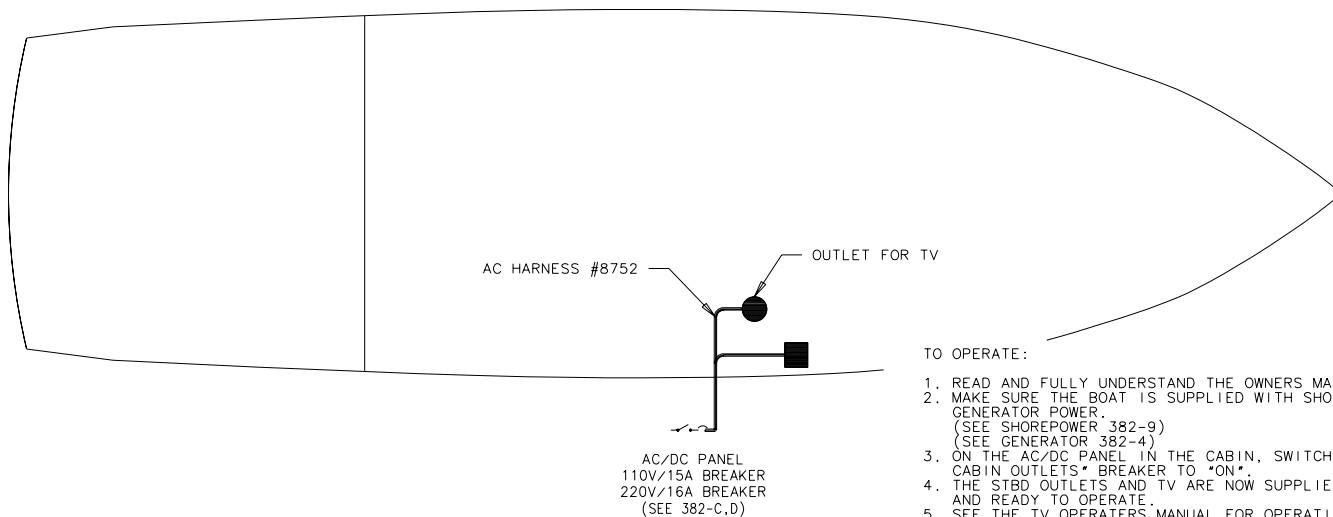
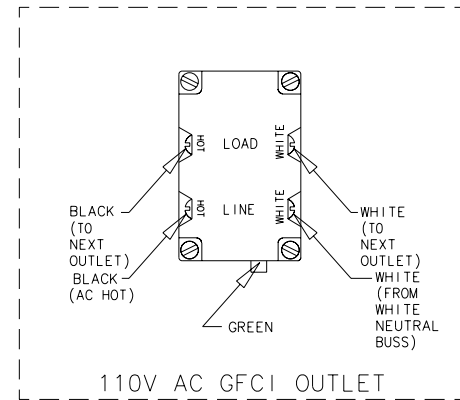
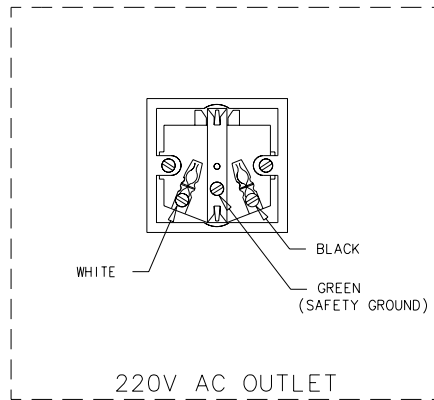
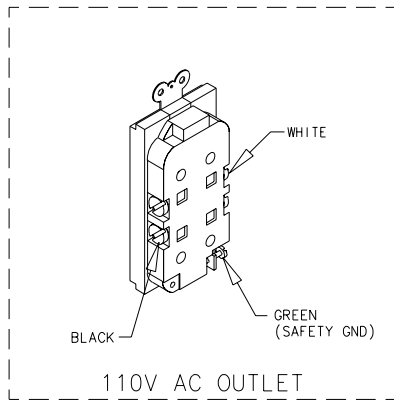


THUNDERBIRD
PRODUCTS
ENGINEERING

OUTLETS, PORT		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-6	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER SWITCH	
GFCI OUTLET	
OUTLET	



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "STBD CABIN OUTLETS" BREAKER TO "ON".
4. THE STBD OUTLETS AND TV ARE NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE TV OPERATORS MANUAL FOR OPERATING INSTRUCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

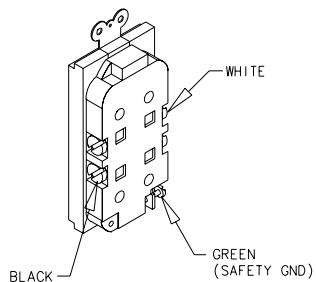
OUTLETS, STBD		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-7	DATE: 3/1/96	(260) 724-9111

LEGEND

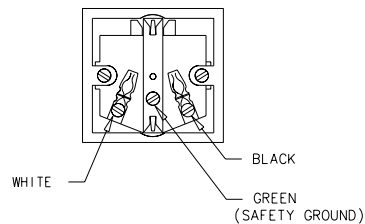
BREAKER
SWITCH



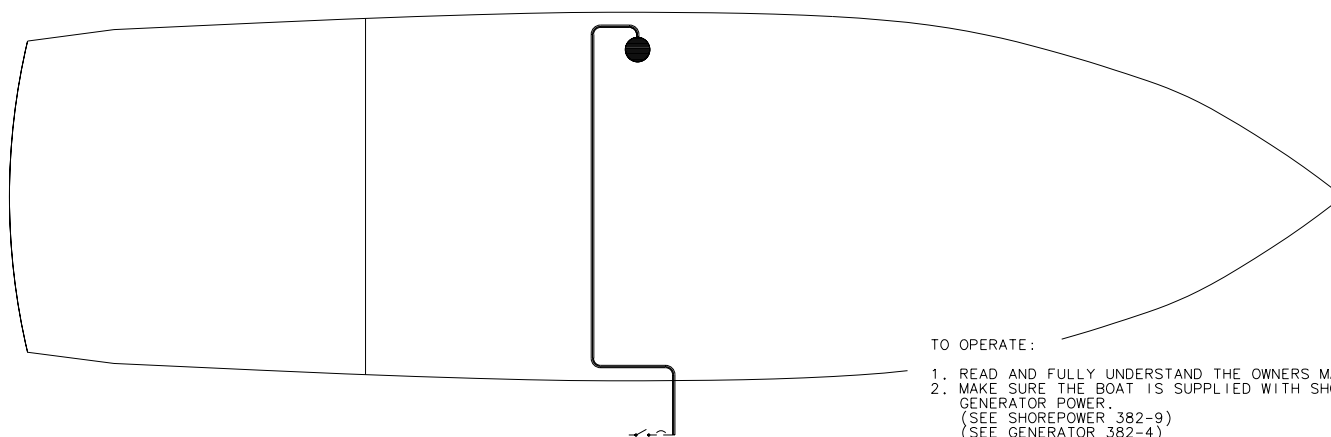
OUTLET



110V AC OUTLET



220V AC OUTLET



AC/DC PANEL
110V/15A BREAKER
220V/10A BREAKER
(SEE 382-C,D)

TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "GALLEY" BREAKER TO "ON".
4. THE REFRIGERATOR IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE REFRIGERATORS OPERATORS MANUAL FOR OPERATING INSTRUCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

REFRIGERATOR

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-8

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
SWITCH



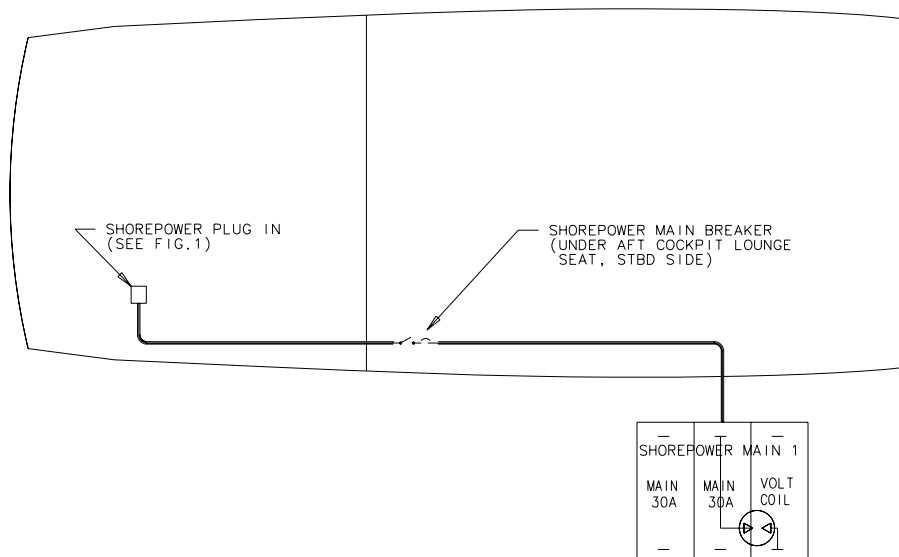
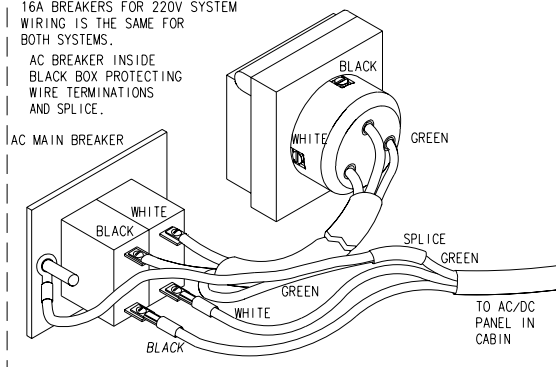
FIG 1

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

AC BREAKER INSIDE
BLACK BOX PROTECTING
WIRE TERMINATIONS
AND SPLICE.

AC MAIN BREAKER

AC INLET



(READ THIS COMPLETELY BEFORE OPERATING)
TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. BEFORE PLUGGING INTO SHOREPOWER, SWITCH "OFF" ALL AC EQUIPMENT AND MAIN BREAKERS ON THE AC/DC PANEL IN THE CABIN. ALSO SWITCH "OFF" THE SHOREPOWER MAIN BREAKER UNDER THE AFT COCKPIT LOUNGE SEAT.
3. PLUG SHOREPOWER CORD INTO THE BOATS SHOREPOWER INLET.
4. UNDER THE AFT COCKPIT LOUNGE SEAT, SWITCH THE SHOREPOWER MAIN BREAKER TO "ON".
5. ON THE AC/DC PANEL, SWITCH "SHOREPOWER MAIN #1" BREAKER TO "ON".

WARNING!

- IF REVERSED POLARITY LIGHT IS ILLUMINATED:
- DO NOT TOUCH ANY ELECTRICAL APPLIANCES.
- LEAVE BOAT IMMEDIATELY.
- DISCONNECT SHOREPOWER.

ALSO:

- CONTACT MARINA TO HAVE SHOREPOWER TESTED FOR REVERSED POLARITY.
 - CONTACT FORMULA'S TECHNICAL ASSISTANCE GROUP FOR ADDITIONAL ASSISTANCE.
6. WITH THE "SHOREPOWER MAIN #1" BREAKER "ON" AND NO REVERSED POLARITY LIGHT IS ILLUMINATED, ALL AC BREAKERS ARE SUPPLIED WITH POWER.
 7. SWITCH "ON" THE AC CIRCUIT BREAKERS (ONE AT A TIME) FOR THE ITEMS TO BE USED.

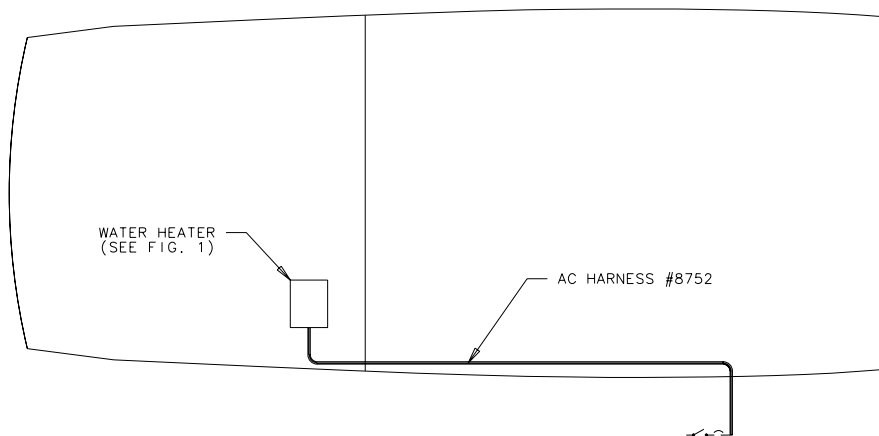
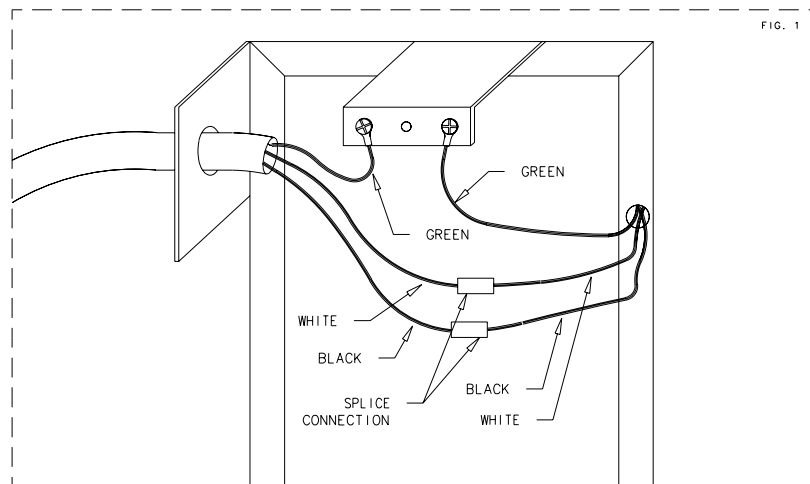


THUNDERBIRD
PRODUCTS
ENGINEERING

SHOREPOWER		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO: 382-9	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
SWITCH



WATER HEATER
(SEE FIG. 1)

AC HARNESS #8752

AC/DC PANEL
110V/15A BREAKER
220V/10A BREAKER
(SEE 382-C,D)

TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. MAKE SURE THE BOAT IS SUPPLIED WITH SHOREPOWER OR GENERATOR POWER.
(SEE SHOREPOWER 382-9)
(SEE GENERATOR 382-4)
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 BOAT HAS WATER IN THE FRESH WATER TANK OR IS CONNECTED TO SHORE WATER SUPPLY.



THUNDERBIRD
PRODUCTS
ENGINEERING

WATER HEATER		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-10	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



SIREN



FLOAT
SWITCH



PLUG

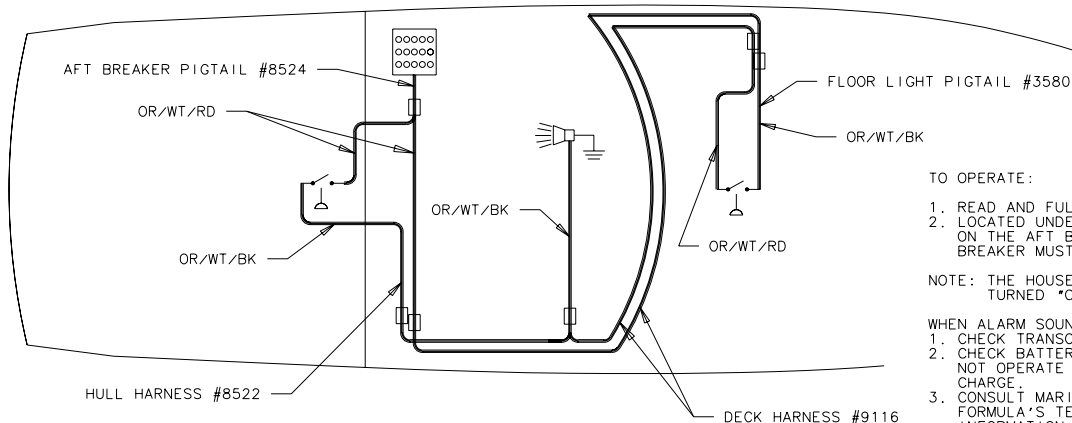
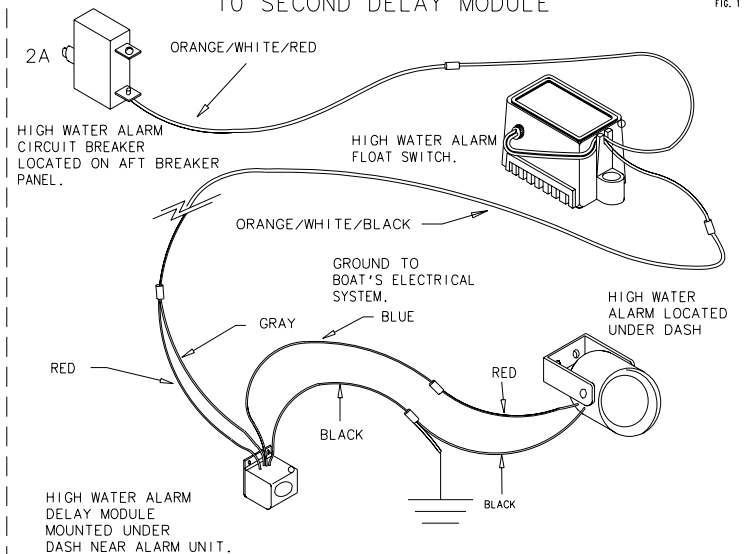


DC GROUND



10 SECOND DELAY MODULE

FIG. 1



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, ON THE AFT BREAKER PANEL, THE "HIGH WATER ALARM" BREAKER MUST BE PUSHED IN (CLOSED).

NOTE: THE HOUSE BATTERY SWITCH DOES NOT HAVE TO BE TURNED "ON" FOR THE HIGH WATER ALARM TO WORK.

WHEN ALARM SOUNDS:

1. CHECK TRANSOM SEALS AND DRAINS FOR LEAKAGE.
2. CHECK BATTERY LEVELS. THE BILGE AND CABIN PUMPS WILL NOT OPERATE PROPERLY WHEN THE BATTERIES ARE BELOW FULL CHARGE.
3. CONSULT MARINA'S SERVICE DEPARTMENT OR CONTACT FORMULA'S TECHNICAL ASSISTANCE GROUP FOR FURTHER INFORMATION.



THUNDERBIRD
PRODUCTS
ENGINEERING

ALARM, HIGH WATER

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-100

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER PANEL



SOLENOID



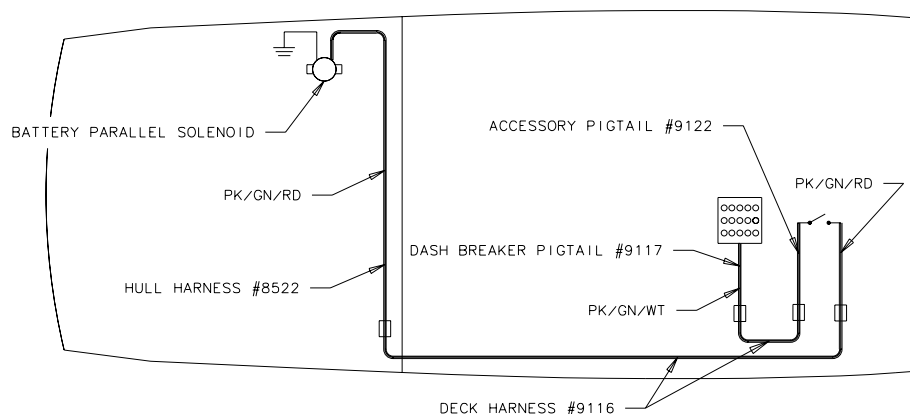
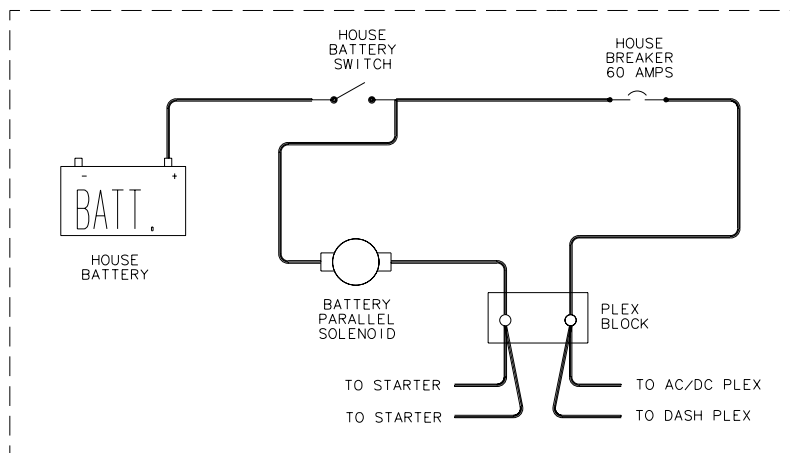
SWITCH



PLUG



DC GROUND



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH AND THE STARTING BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BATT PAR/WNDLS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE BATTERY PARALLEL SYSTEM IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. USE THE "BATT PARA" SWITCH ON THE ACCESSORY PANEL WHEN MORE STARTING POWER IS NEEDED.



THUNDERBIRD
PRODUCTS
ENGINEERING

BATTERY PARALLEL

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-110

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



BLOWER



SWITCH



PLUG



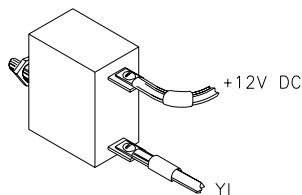
BREAKER
SWITCH



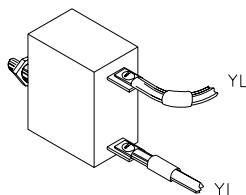
DC GROUND



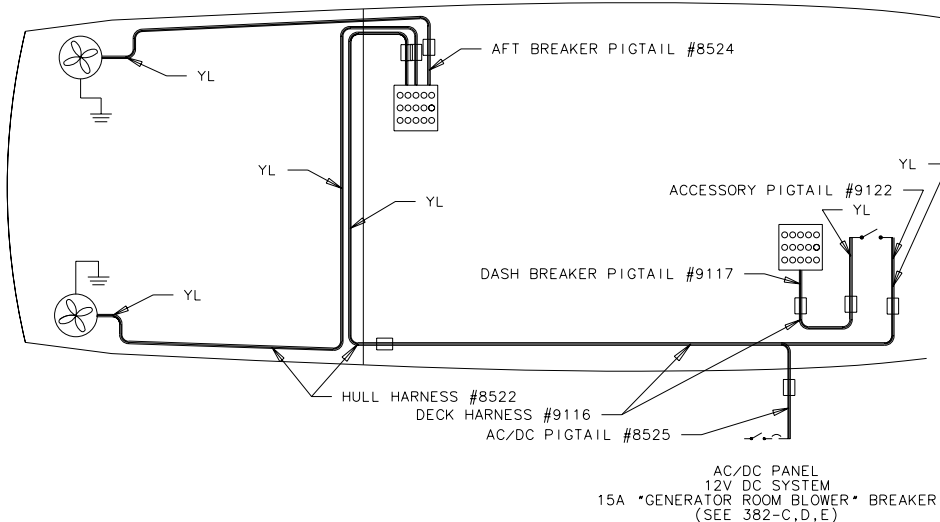
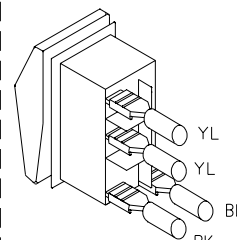
"BILGE BLOWER" BKR 15A
(DASH BKR PANEL)
(REAR VIEW)



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



BLOWER SWITCH
(ACCESSORY PANEL)
(REAR VIEW)



WARNING !

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

TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BILGE BLOWER" 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 "BLOWERS" SWITCH ON THE ACCESSORY PANEL.
6. THE BLOWERS CAN ALSO BE OPERATED BY SWITCHING THE "GENERATOR ROOM BLOWERS" BREAKER ON THE AC/DC PANEL TO "ON".



THUNDERBIRD
PRODUCTS
ENGINEERING

BLOWERS,
ENGINE BILGE

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-120

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



BLOWER



PLUG



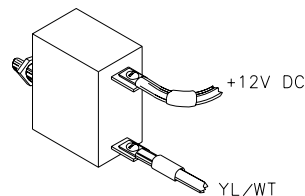
SWITCH



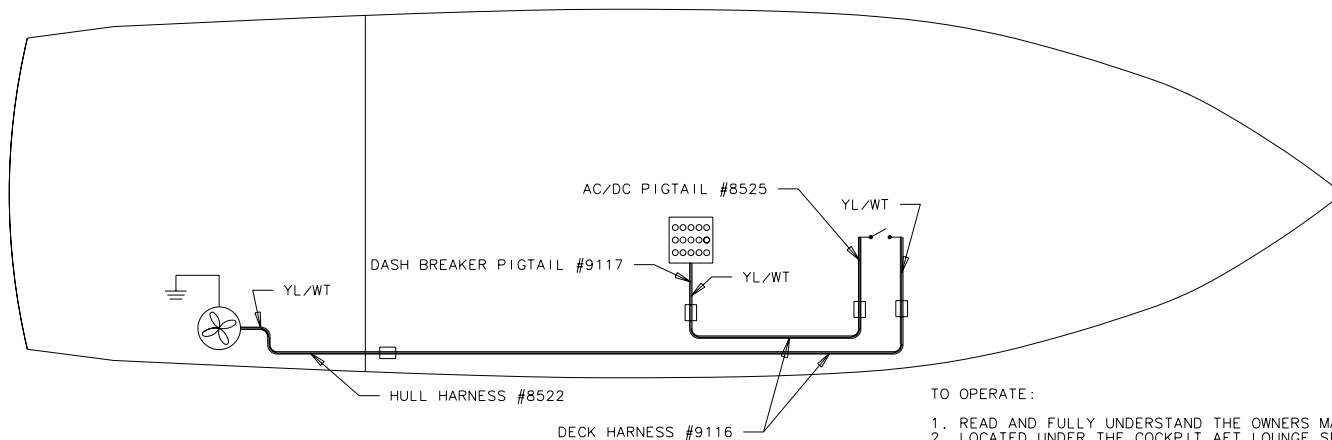
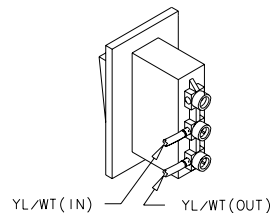
DC GROUND



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



HEAD LIGHT/BLOWER SWITCH
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "HEAD BLOWER" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE HEAD BLOWER CAN NOW BE OPERATED BY THE BLOWER/LIGHT SWITCH IN THE HEAD.



THUNDERBIRD
PRODUCTS
ENGINEERING

BLOWERS, HEAD

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-121

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



MOTOR



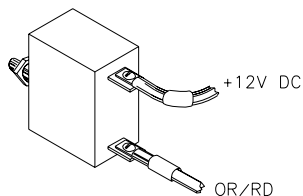
PLUG



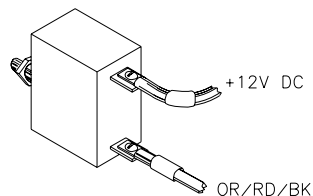
DC GROUND



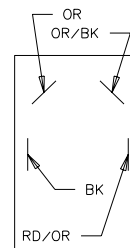
FOOT/SEAT BKR(STBD) 15A
(DASH BKR PANEL)
(REAR VIEW)



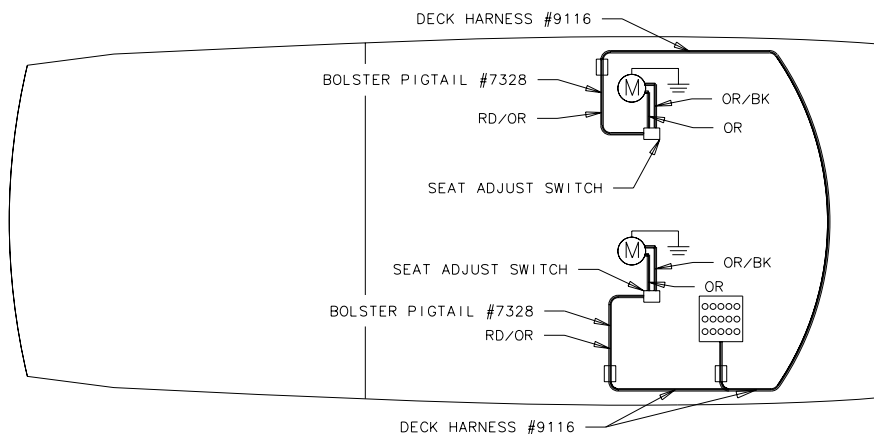
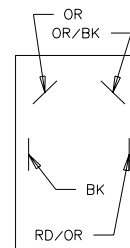
FOOT/SEAT BKR(PORT) 15A
(DASH BKR PANEL)
(REAR VIEW)



SEAT SWITCH
(STBD SEAT)
(REAR VIEW)



SEAT SWITCH
(PORT SEAT)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, BOTH OF THE "FOOT/SEAT" BREAKERS MUST BE PUSHED IN (CLOSED).
4. THE BOLSTER SEATS CAN NOW BE OPERATED BY THE SWITCH ON THE RIGHT HAND SIDE OF THE SEAT. PUSH THE SWITCH "UP" TO RAISE THE SEAT, AND PUSH THE SWITCH "DOWN" TO LOWER THE SEAT.



THUNDERBIRD
PRODUCTS
ENGINEERING

BOLSTER SEATS

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-130

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



BATTERY



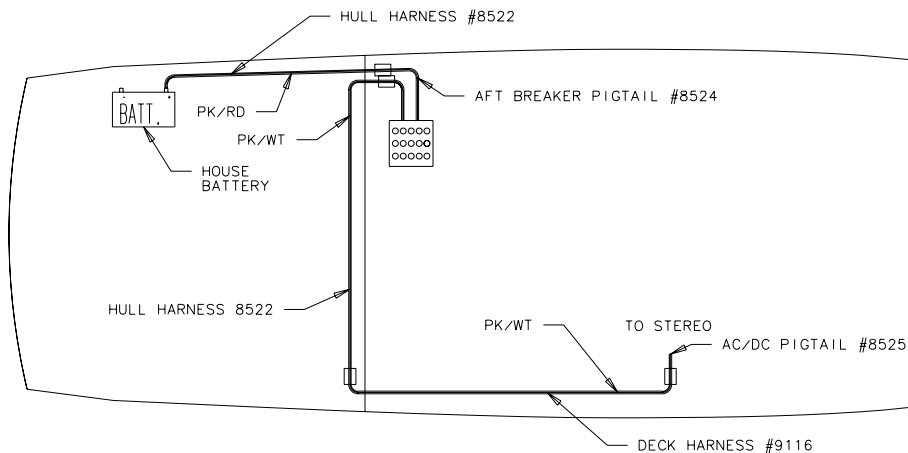
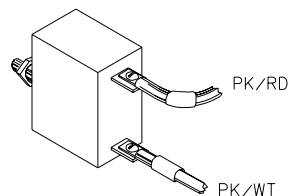
PLUG



DC GROUND



"CONST PWR" BKR 5A
(AFT BKR PANEL)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. ON THE AFT BREAKER PANEL, THE "CONST PWR" BREAKER MUST BE ON (CLOSED).
3. CONSTANT POWER IS NOW ON.



THUNDERBIRD
PRODUCTS
ENGINEERING

CONSTANT POWER

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

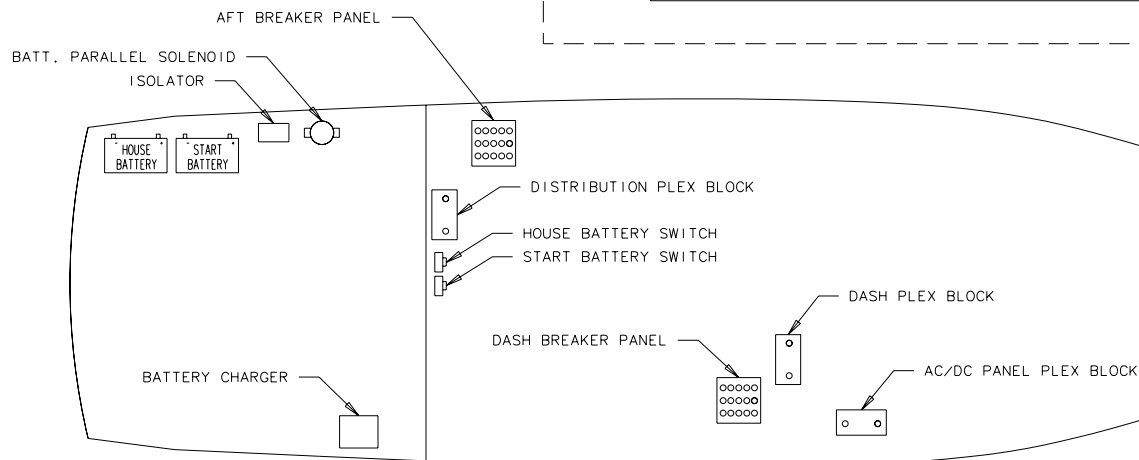
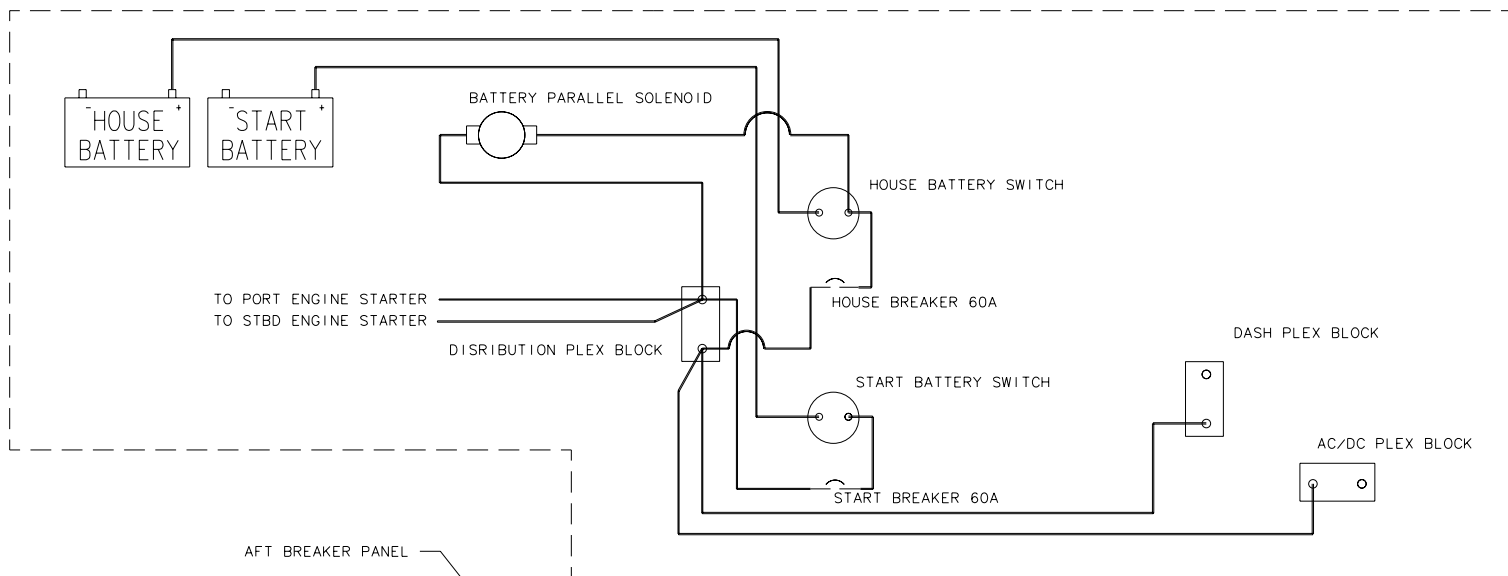
DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-140

DATE: 3/1/96

(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

DC SUPPLY		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-150	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



SWITCH



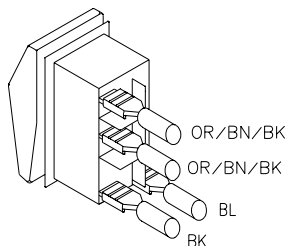
PLUG



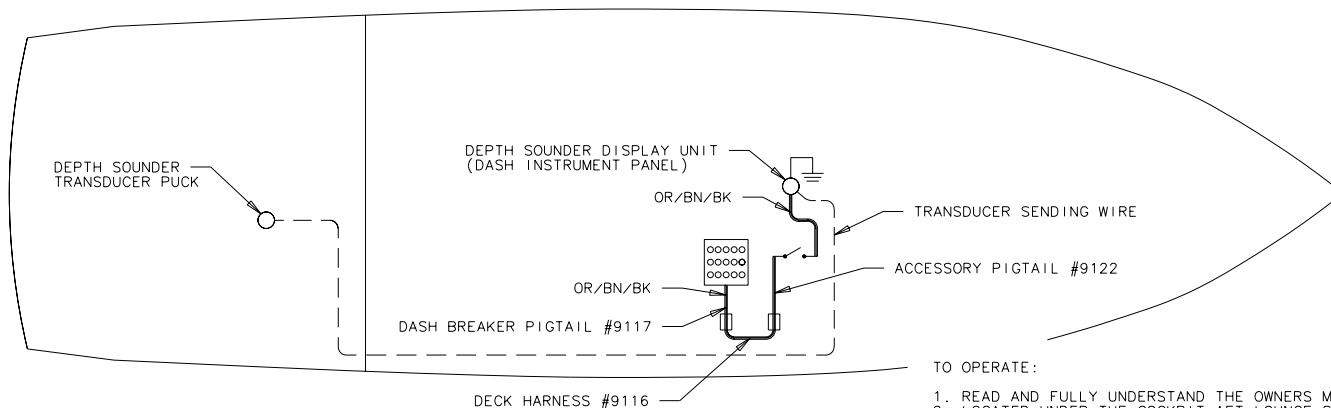
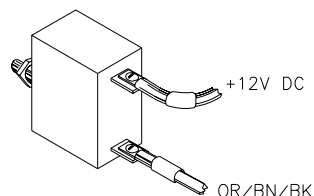
DC GROUND



"DEPTH" SWITCH
(ACCESSORY PANEL)
(REAR VIEW)



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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.
5. SEE THE DEPTH SOUNDERS OPERATORS MANUAL FOR FURTHER OPERATING INSTRUCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

DEPTH SOUNDER

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-160

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



MOTOR



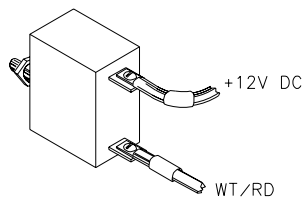
PLUG



DC GROUND

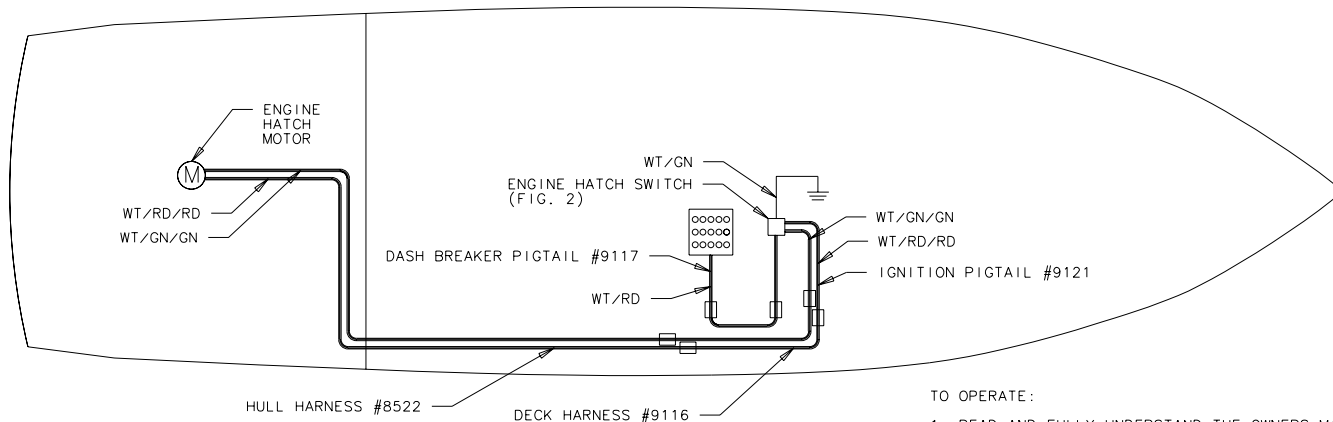
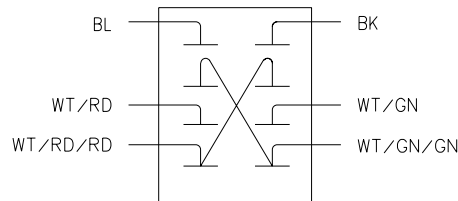


ENG BKR 20A
(DASH BKR PANEL)
(REAR VIEW)



ENGINE HATCH SWITCH
(IGNITION PANEL)
(REAR VIEW)

FIG. 2



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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 RAISED AND LOWERED BY THE "ENG HATCH" SWITCH ON THE IGNITION PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

ENGINE HATCH

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-170

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



MOTOR



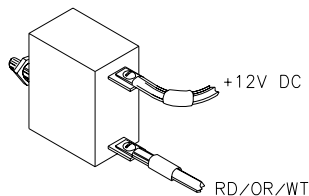
PLUG



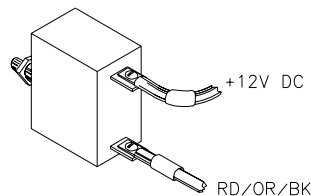
DC GROUND



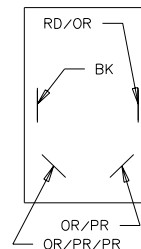
FOOT/SEAT BKR(STBD) 15A
(DASH BKR PANEL)
(REAR VIEW)



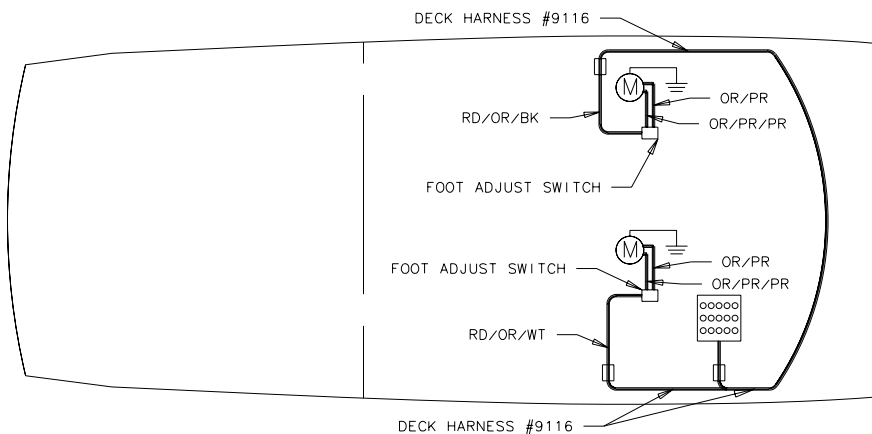
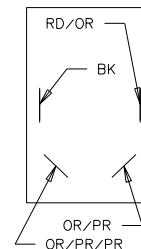
FOOT/SEAT BKR(PORT) 15A
(DASH BKR PANEL)
(REAR VIEW)



FOOT SWITCH
(STBD SEAT)
(REAR VIEW)



FOOT SWITCH
(PORT SEAT)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, BOTH OF THE "FOOT/SEAT" BREAKERS MUST BE PUSHED IN (CLOSED).
4. THE FOOT REST CAN NOW BE OPERATED BY THE SWITCH ON THE LEFT HAND SIDE OF THE SEAT. PUSH THE SWITCH "UP" TO RAISE THE FOOT REST, AND PUSH THE SWITCH "DOWN" TO LOWER THE FOOT REST.



THUNDERBIRD
PRODUCTS
ENGINEERING

FOOT REST

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-180

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



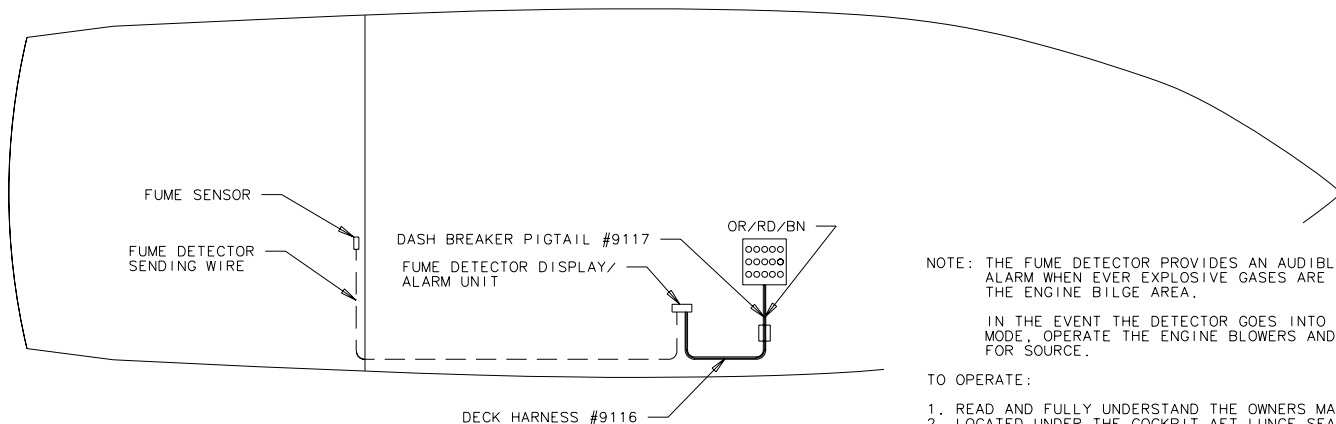
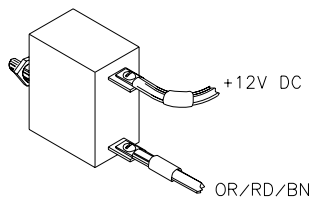
PLUG



DC GROUND



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



NOTE: THE FUME DETECTOR PROVIDES AN AUDIBLE AND VISUAL ALARM WHEN EVER 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 SOURCE.

TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LUNGE SEAT, PORT SIDE, TURN THE HOUSE BREAKER TO "ON".
3. ON THE DASH BREAKER PANEL, THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
4. PRESS THE "ON" BUTTON LOCATED UPON THE FUME DETECTOR DISPLAY/ALARM UNIT FACE.
5. PRESS "TEST".



THUNDERBIRD
PRODUCTS
ENGINEERING

FUME DETECTOR

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-190

DATE: 3/1/96

(260) 724-9111

LEGEND

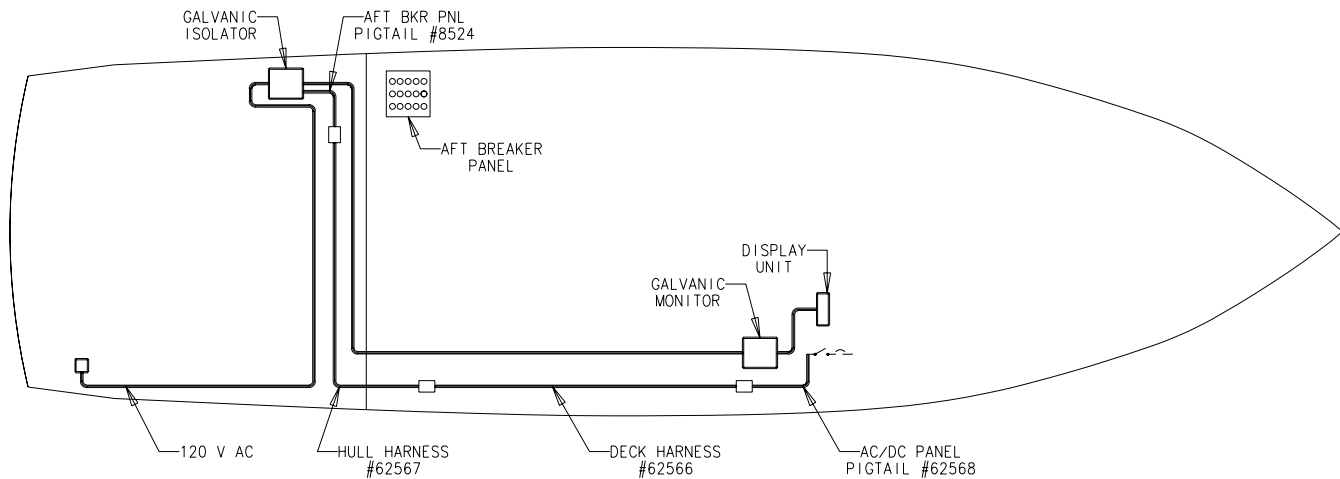
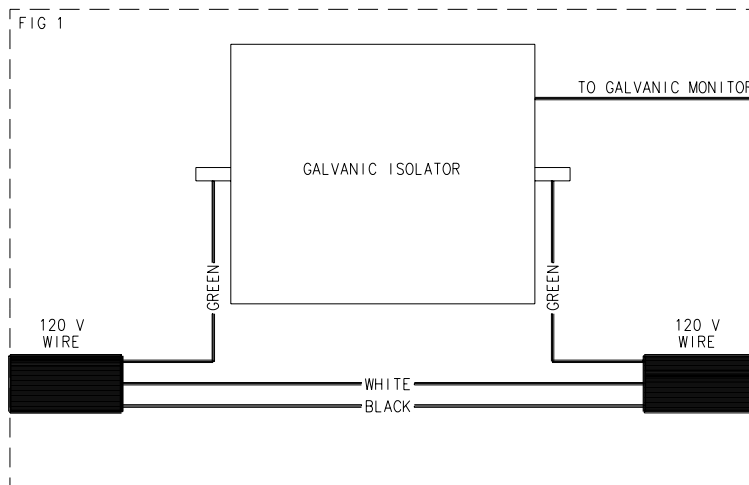
BREAKER
PANEL



AC/DC
BREAKER



PLUG



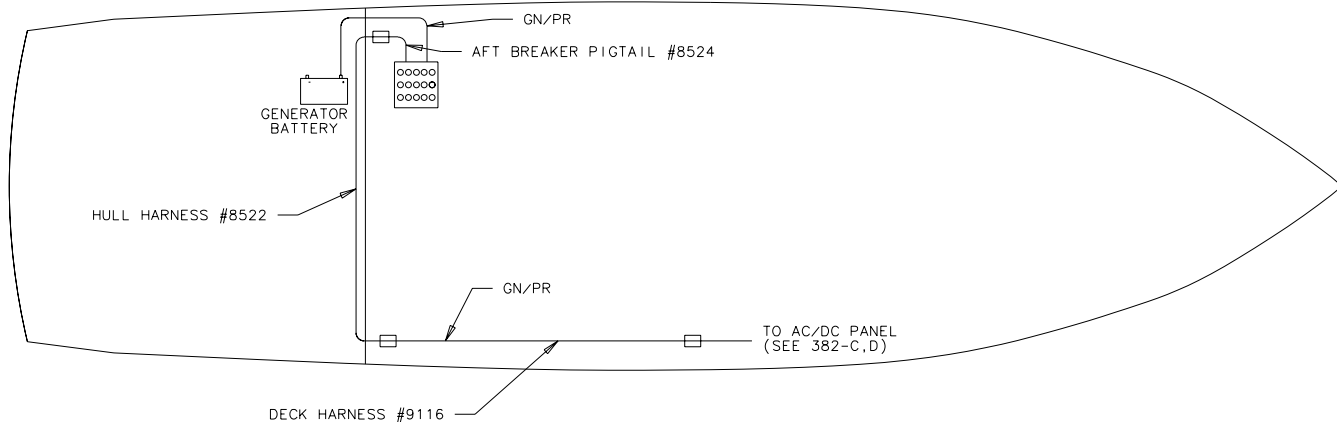
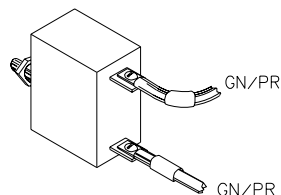
THUNDERBIRD
PRODUCTS
ENGINEERING

GALVANIC ISOLATOR		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: JAW	DECATUR IN., 46733-5003
NO.: 382-195	DATE: 7/8/03	(260) 724-9111

LEGEND

BREAKER PANEL	
BATTERY	
PLUG	
DC GROUND	

ACC BKR 2A
(AFT BKR PANEL)
(REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

GENERATOR		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-200	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



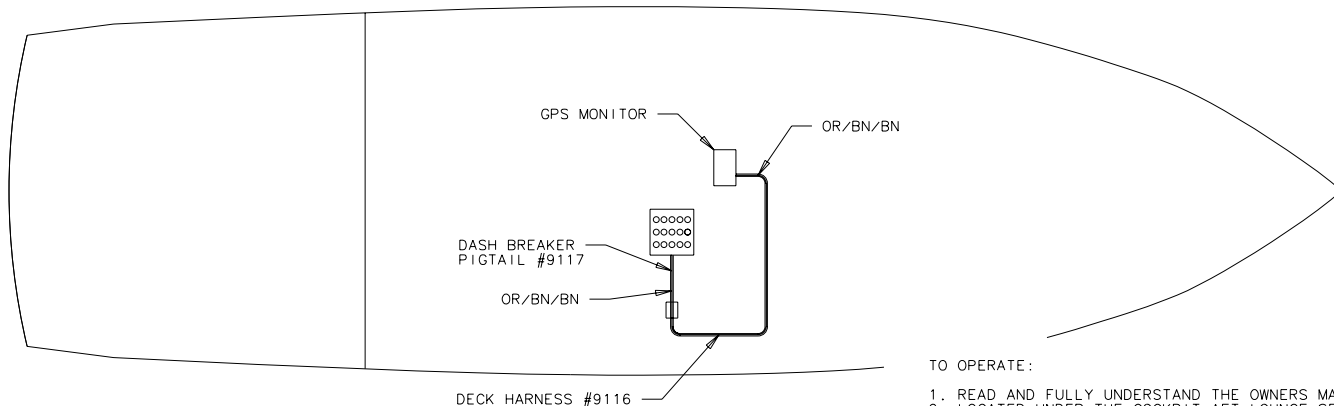
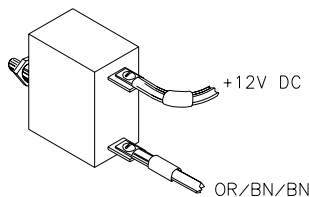
PLUG



DC GROUND



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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 GPS OPERATORS MANUAL FOR FURTHER OPERATING INSTRUCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

GPS		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-210	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



COMPRESSOR



SWITCH



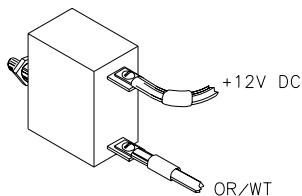
PLUG



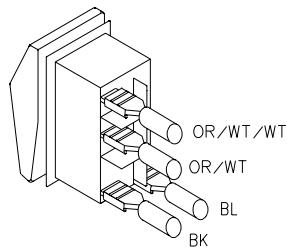
DC GROUND



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



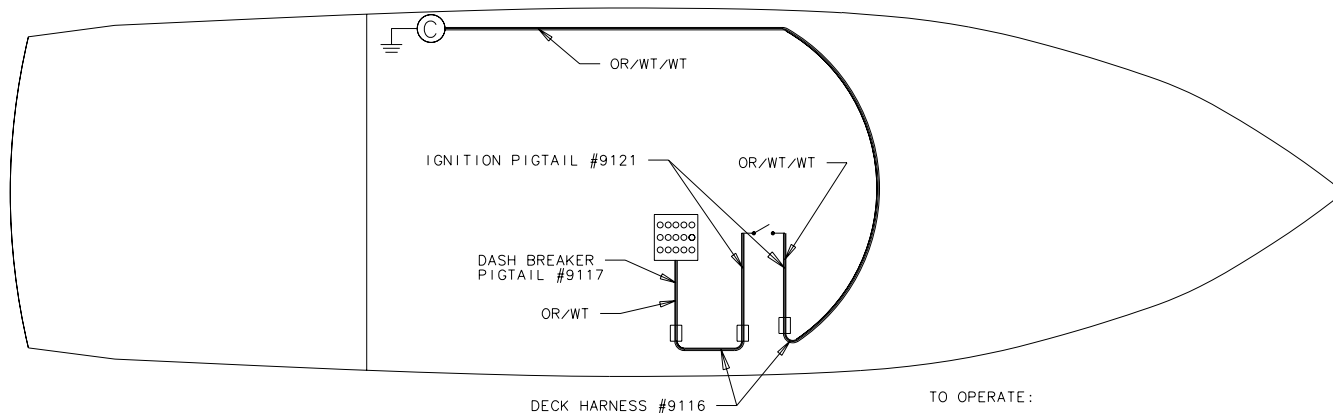
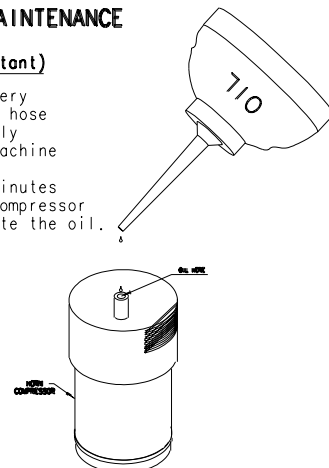
HORN SWITCH
(IGNITION PANEL)
(REAR VIEW)



HORN COMPRESSOR MAINTENANCE

LUBRICATION (Very Important)

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.



TO OPERATE:

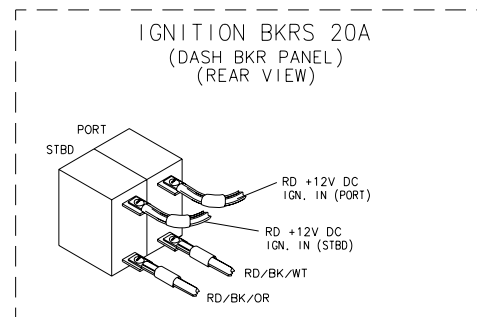
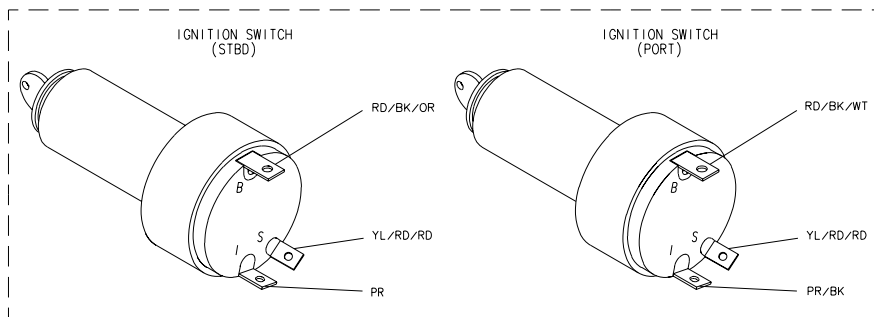
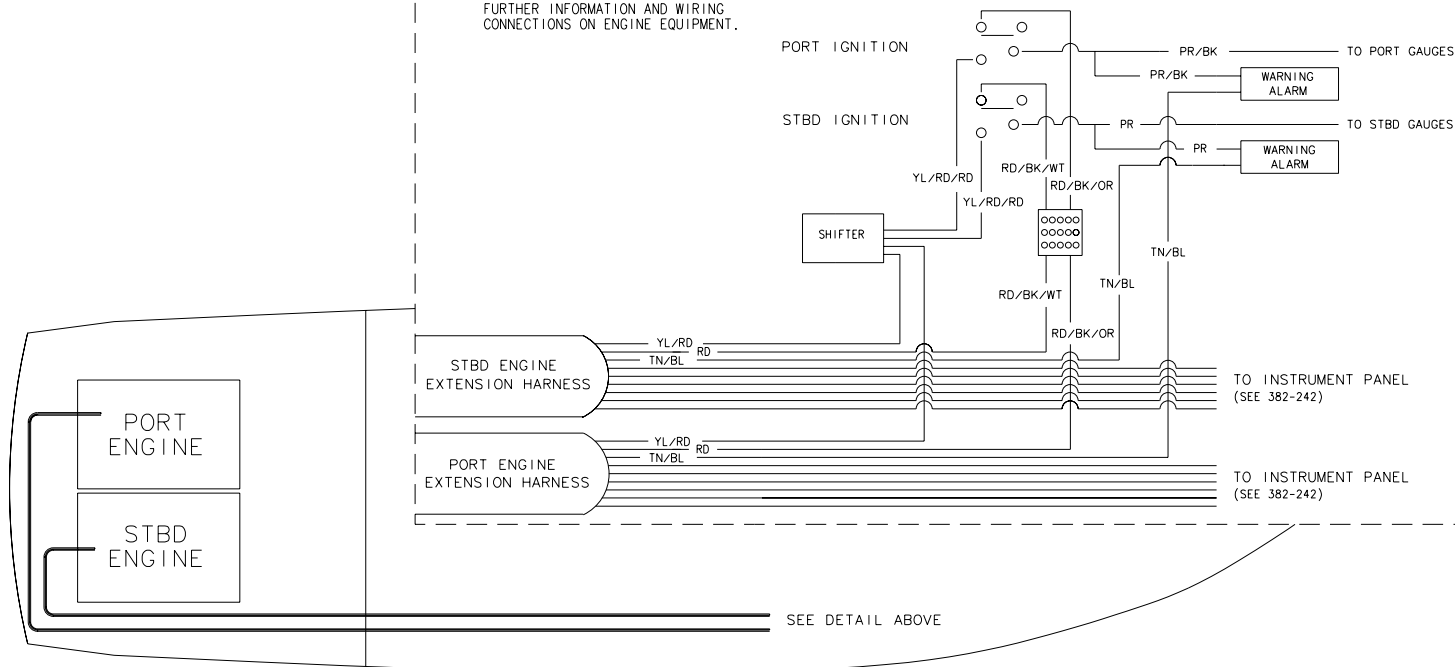
1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "HORN" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE HORN CAN NOW BE OPERATED BY THE "HORN" SWITCH ON THE IGNITION PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

HORN		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-220	DATE: 3/1/96	(260) 724-9111

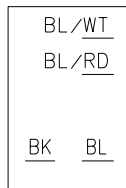
NOTE: SEE MerCRUISER MANUAL FOR FURTHER INFORMATION AND WIRING CONNECTIONS ON ENGINE EQUIPMENT.



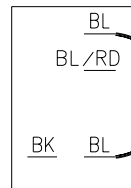
THUNDERBIRD
PRODUCTS
ENGINEERING

IGNITION		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-230	DATE: 3/1/96	(260) 724-9111

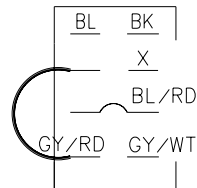
F-382 SR1 ACCESSORY PANEL (REAR VIEW)



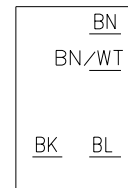
COURT
LIGHTS



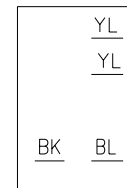
PANEL
LIGHTS



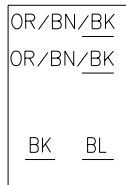
NAV/
ANCH



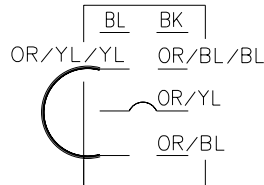
BILGE
PUMP



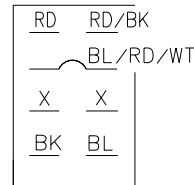
BLOWER



DEPTH
SNDR



WNDLS



DOCKING
LIGHTS

X = NOT USED

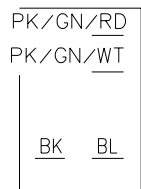
PANEL #9000
PIGTAIL #9122



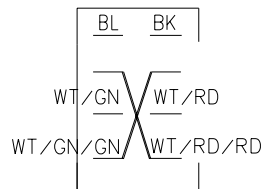
THUNDERBIRD
PRODUCTS
ENGINEERING

ACCESSORY PANEL		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-240	DATE: 3/1/96	(260) 724-9111

F-382 SR1 IGNITION PANEL (REAR VIEW)

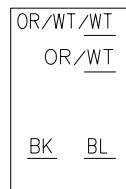


BATTERY
PARALLEL



ENGINE
HATCH

X = NOT USED

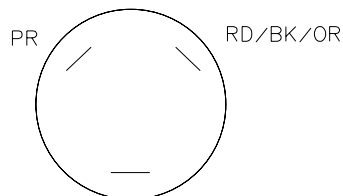


HORN

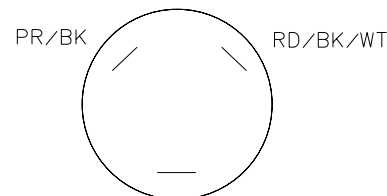


HALON

PANEL #9085
PIGTAIL #7430



STBD
IGNITION

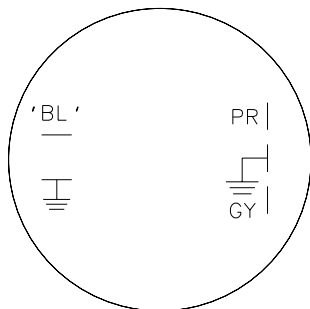


PORT
IGNITION

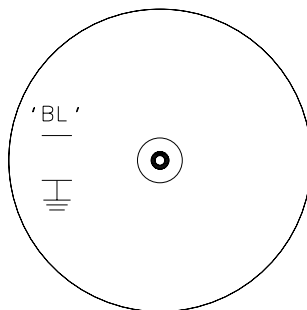


THUNDERBIRD
PRODUCTS
ENGINEERING

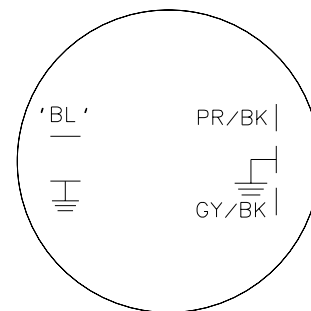
IGNITION PANEL		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-241	DATE: 3/1/96	(260) 724-9111



TACH (STBD)

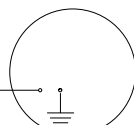


SPEEDO



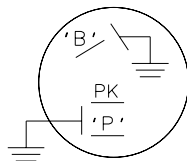
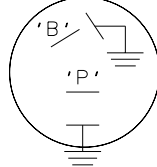
TACH (PORT)

OR/BN/BK



DEPTH

VOLT

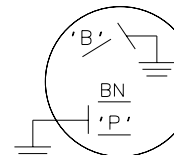


FUEL

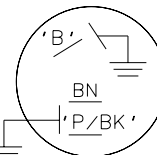
OR/BN/BN



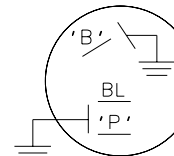
GPS



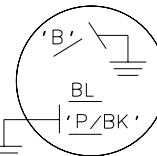
TEMP (S)



TEMP (P)



OIL (S)



OIL (P)



THUNDERBIRD
PRODUCTS
ENGINEERING

INSTRUMENT PANEL
WITH GPS

MODEL: F-382 SR1

DR BY: R. HANNI

NO.: 382-242

DATE: 3/1/96

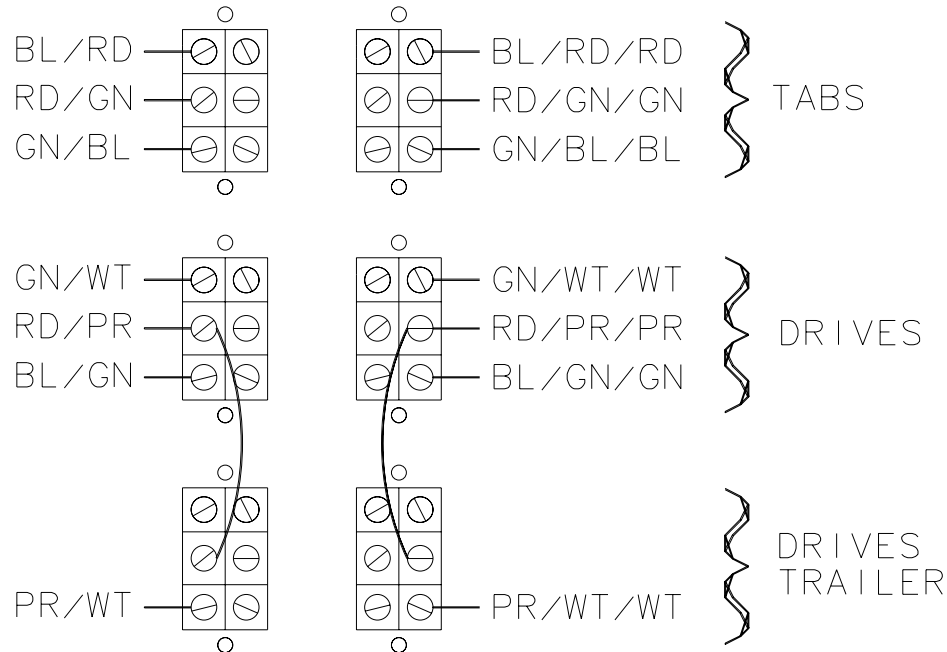
THUNDERBIRD PRODUCTS

P.O. BOX 1003

DECATUR IN., 46733-5003

(260) 724-9111

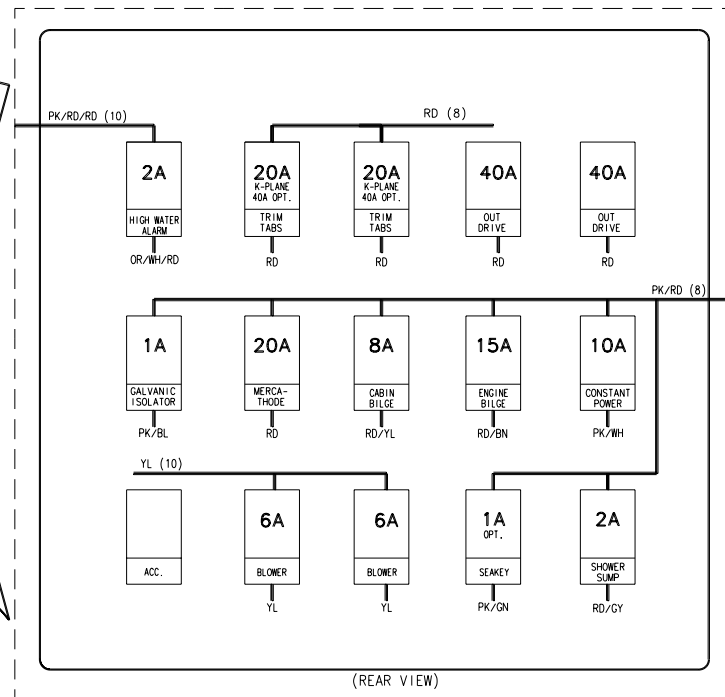
F-382 SR1 SHIFTER ACCESSORY PANEL (REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

SHIFTER ACCESSORY PANEL		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-243	DATE: 3/1/96	(260) 724-9111

AFT BREAKER PANEL
(LOCATED UNDER COCKPIT
AFT FLIP-UP SEAT)



THUNDERBIRD
PRODUCTS
ENGINEERING

AFT BREAKER PANEL

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: JAW

DECATUR IN., 46733-5003

NO.: 382-244

DATE: 7/8/03

(260) 724-9111

LEGEND

BREAKER
PANEL



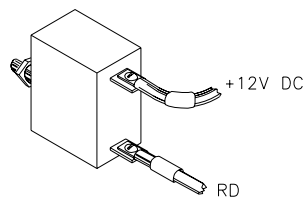
PLUG



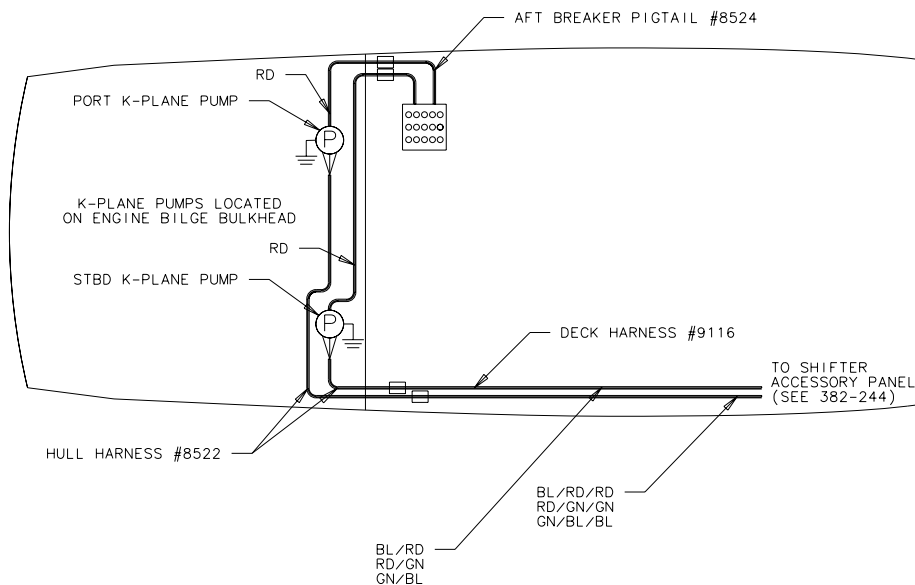
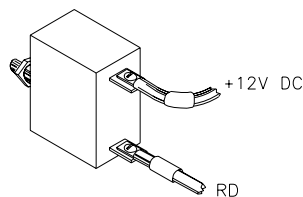
DC GROUND



TRIM TAB BKR 40A
(AFT BKR PANEL)
(REAR VIEW)



TRIM TAB BKR 40A
(AFT BKR PANEL)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, STBD SIDE, TURN THE HOUSE BREAKER SWITCH TO "ON".
3. ON THE AFT BREAKER PANEL, BOTH OF THE "TRIM TAB" BREAKERS MUST BE PUSHED IN (CLOSED).
4. THE K-PLANES CAN NOW BE OPERATED BY THE "TABS" SWITCHES ON THE SHIFTER ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

K-PLANES		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-250	DATE: 3/1/96	(260) 724-9111


LEGEND

SWITCH 

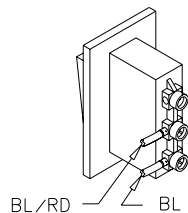
BREAKER SWITCH 

LIGHT 

PLUG 

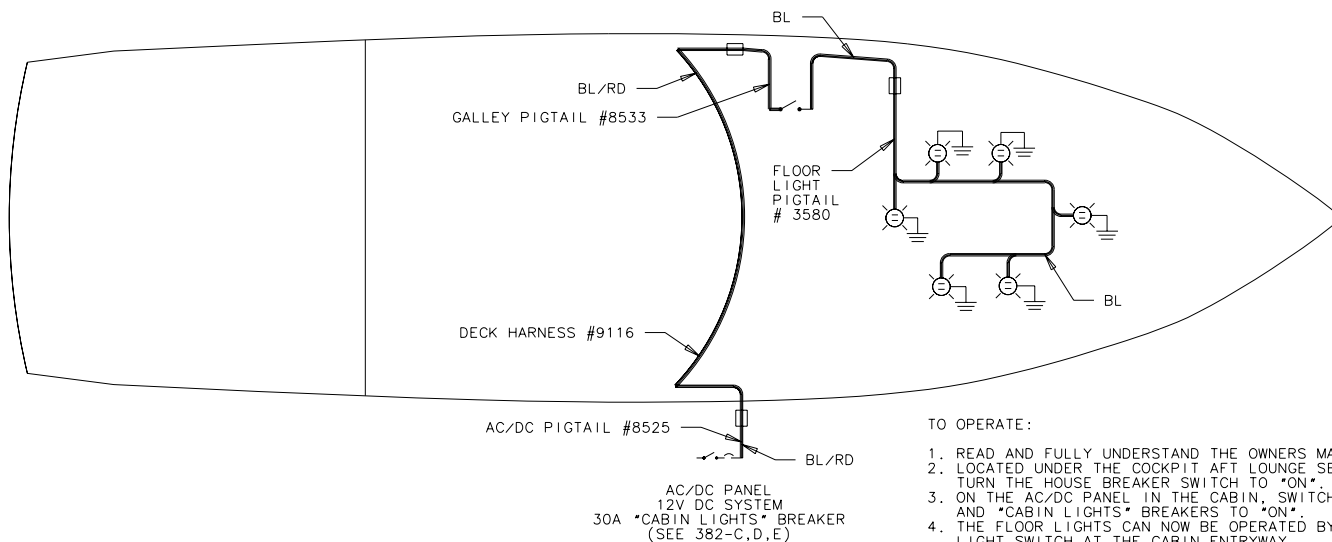
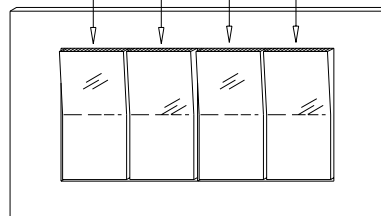
DC GROUND 

FLOOR LIGHT SWITCH (REAR VIEW)



CABIN LIGHT SWITCHES

FLOOR LIGHTS OVERHEAD LIGHTS MOOD LIGHTS V-BERTH LIGHTS



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BREAKER SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "MAIN #1" AND "CABIN LIGHTS" BREAKERS TO "ON".
4. THE FLOOR LIGHTS CAN NOW BE OPERATED BY THE SECOND LIGHT SWITCH AT THE CABIN ENTRYWAY.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, CABIN, FLOOR

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI






DECATUR IN., 46733-5003

NO.: 382-260

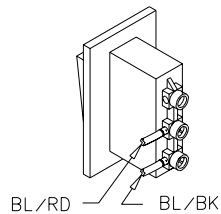
DATE: 3/1/96

(260) 724-9111

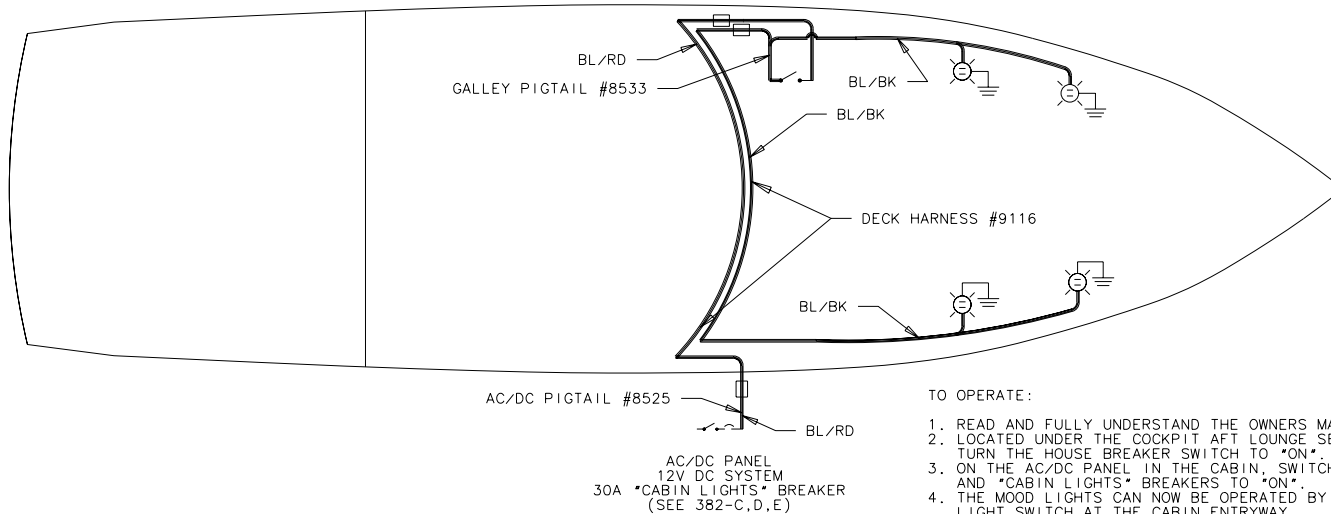
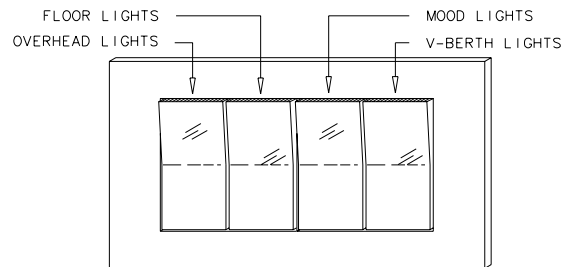
LEGEND

SWITCH	
BREAKER SWITCH	
LIGHT	
PLUG	
DC GROUND	

MOOD LIGHT SWITCH (REAR VIEW)



CABIN LIGHT SWITCHES



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BREAKER SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "MAIN #1" AND "CABIN LIGHTS" BREAKERS TO "ON".
4. THE MOOD LIGHTS CAN NOW BE OPERATED BY THE THIRD LIGHT SWITCH AT THE CABIN ENTRYWAY.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, CABIN, MOOD

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI






DECATUR IN., 46733-5003

NO.: 382-261

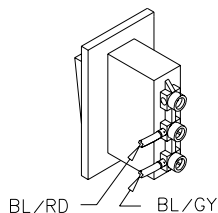
DATE: 3/1/96

(260) 724-9111

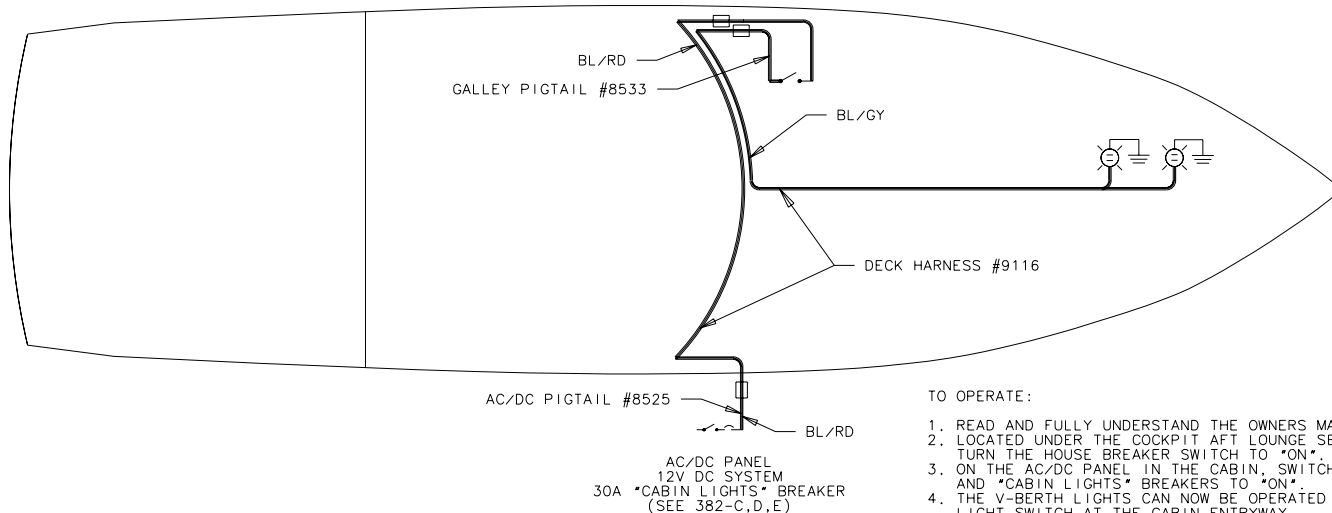
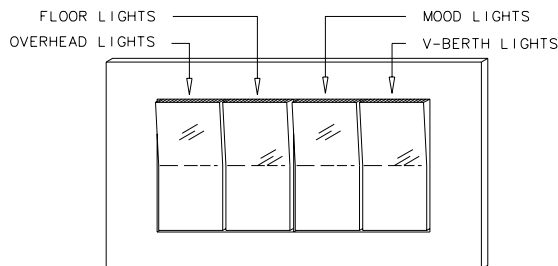
LEGEND

SWITCH	
BREAKER SWITCH	
LIGHT	
PLUG	
DC GROUND	

V-BERTH LIGHT SWITCH (REAR VIEW)



CABIN LIGHT SWITCHES



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BREAKER SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "MAIN #1" AND "CABIN LIGHTS" BREAKERS TO "ON".
4. THE V-BERTH LIGHTS CAN NOW BE OPERATED BY THE FOURTH LIGHT SWITCH AT THE CABIN ENTRYWAY.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, CABIN, V-BERTH

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-262

DATE: 3/1/96

(260) 724-9111


LEGEND

SWITCH 

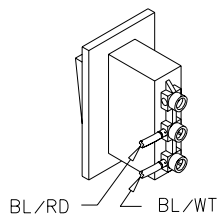
BREAKER SWITCH 

LIGHT 

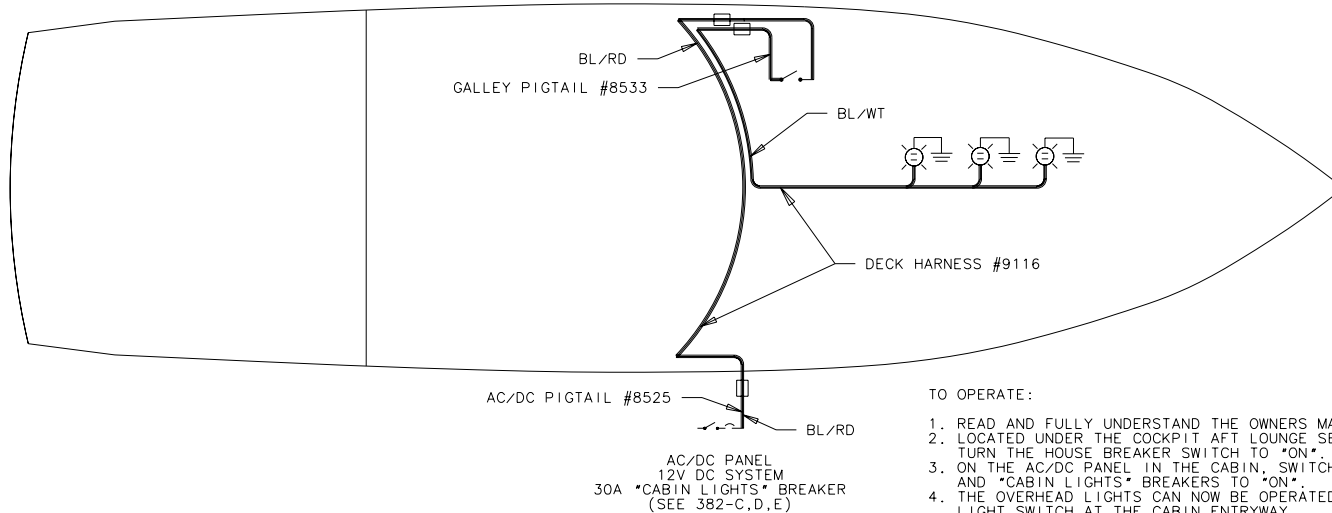
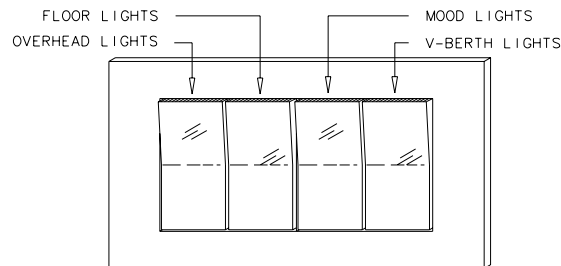
PLUG 

DC GROUND 

OVERHEAD LIGHT SWITCH (REAR VIEW)



CABIN LIGHT SWITCHES



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BREAKER SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "MAIN #1" AND "CABIN LIGHTS" BREAKERS TO "ON".
4. THE OVERHEAD LIGHTS CAN NOW BE OPERATED BY THE FIRST LIGHT SWITCH AT THE CABIN ENTRYWAY.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, CABIN, OVERHEAD

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-263

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



SWITCH



LIGHT



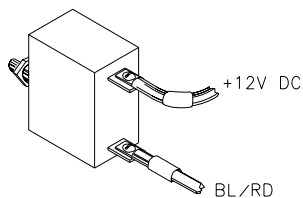
PLUG



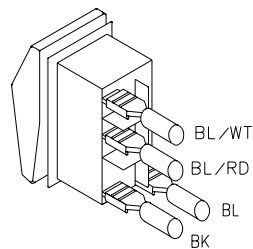
DC GROUND



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



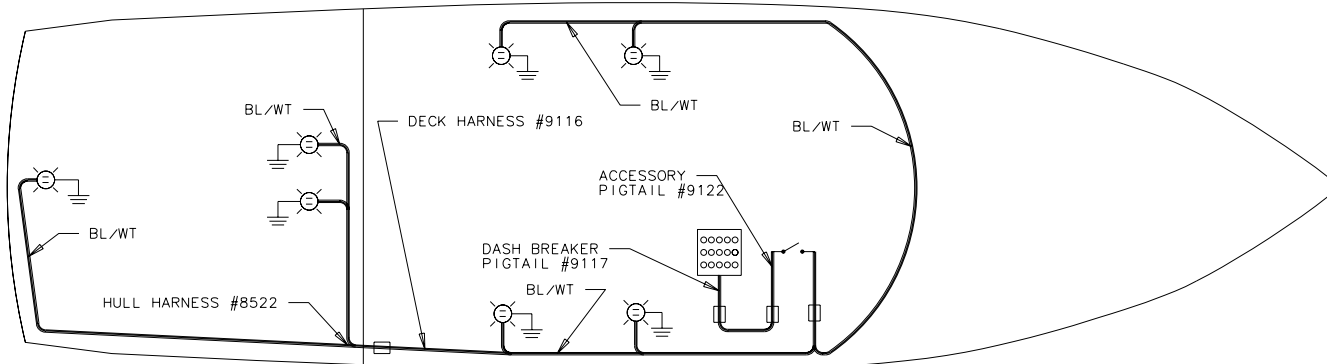
"COURT" SWITCH
(ACCESSORY PANEL)
(REAR VIEW)



(218)

MOLEX PIN
02-09-2101

MOLEX SOCKET
03-09-2011



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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 LTS" SWITCH ON THE ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, COCKPIT,
COURTESY

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-264

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



SWITCH



LIGHT



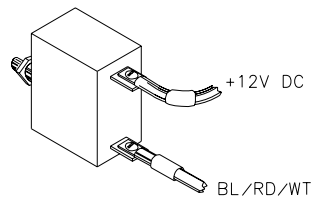
PLUG



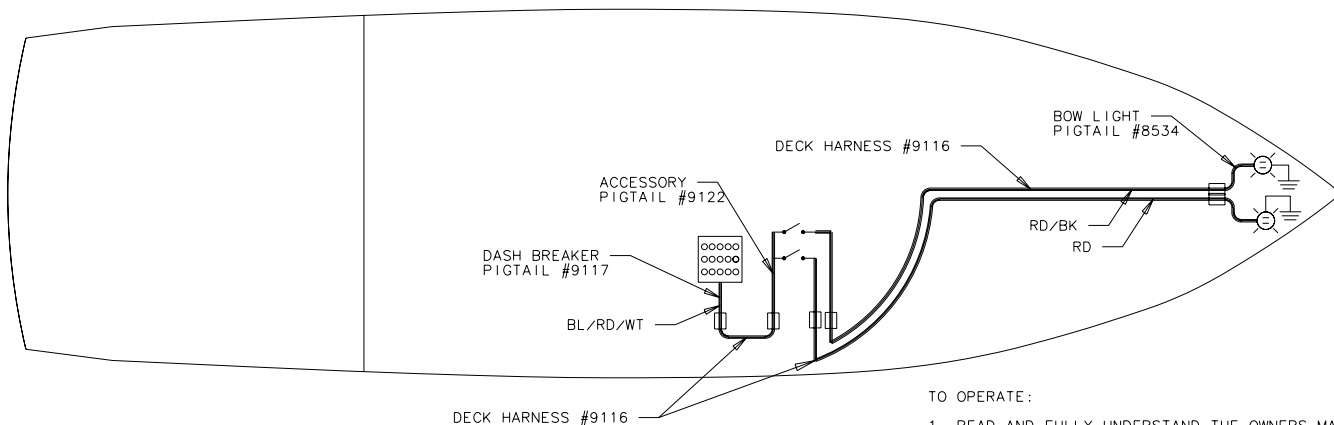
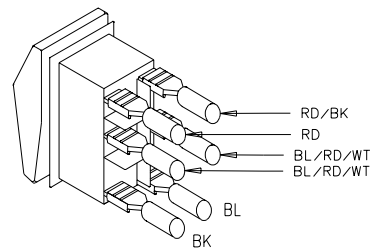
DC GROUND



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



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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 "DOCK LTS" SWITCH ON THE ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, COCKPIT, DOCKING

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-265

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



SWITCH



LIGHT



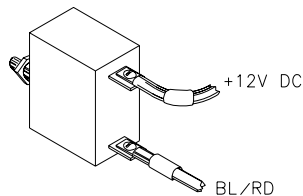
PLUG



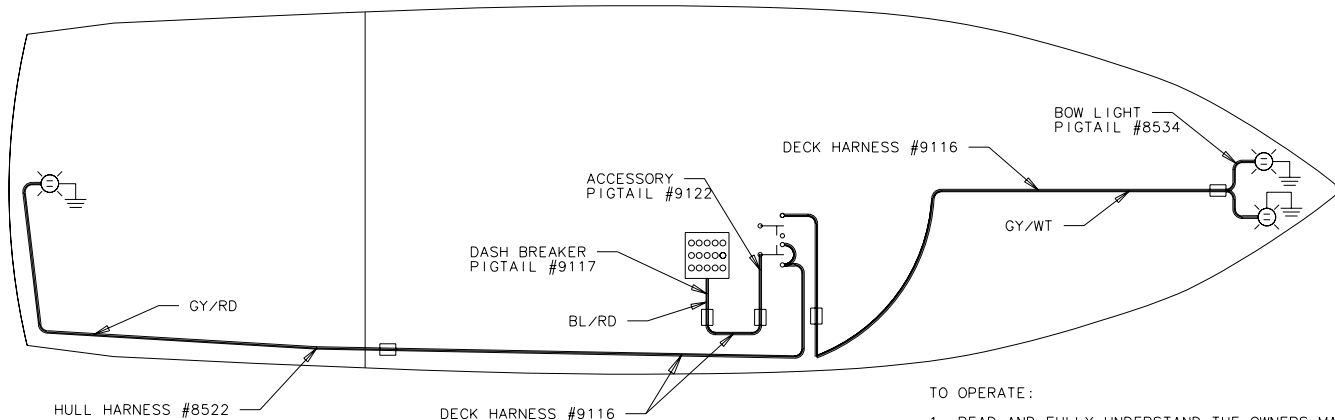
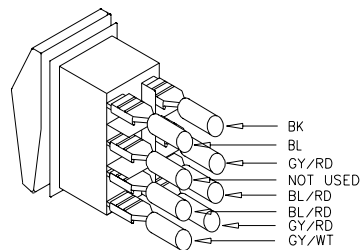
DC GROUND



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



NAV/ANCH SWITCH (ACCESSORY PANEL) (REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE NAV/ALL AROUND LIGHTS CAN NOW BE OPERATED BY THE "NAV/ANCH" SWITCH ON THE ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

LIGHTS, COCKPIT, NAV/ALL AROUND

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-266

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



SWITCH



MACERATOR
PUMP



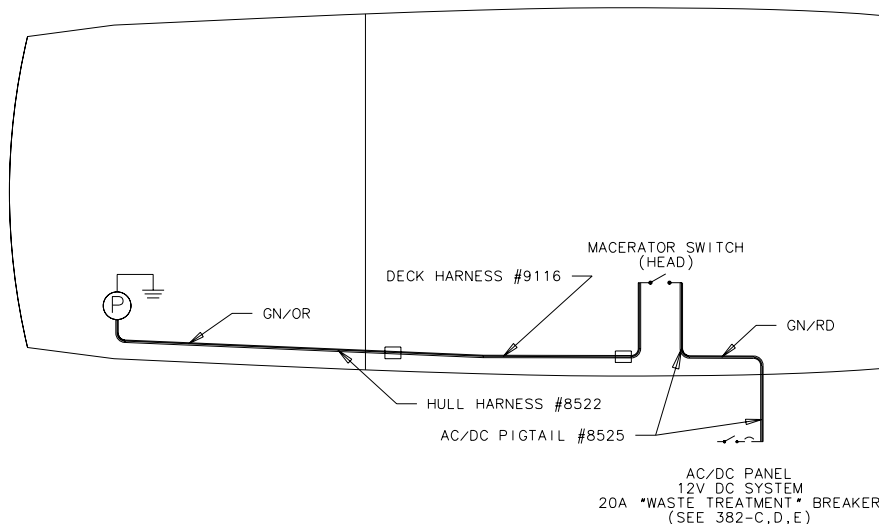
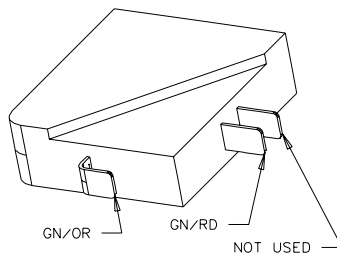
PLUG



DC GROUND



MACERATOR SWITCH (REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH THE "MAIN #1" AND "WASTE TREATMENT" BREAKERS TO "ON".
4. IN THE ENGINE BILGE, PLACE THE "Y" VALVE IN THE "DISCHARGE" POSITION.
5. IN THE HEAD, PRESS AND HOLD THE MACERATOR BUTTON (LOCATED IN FRONT OF TOILET) UNTIL THE "EMPTY" LIGHT (ON THE TANK LEVEL MONITOR) ILLUMINATES.

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



THUNDERBIRD
PRODUCTS
ENGINEERING

MACERATOR		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-270	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



PLUG



DC GROUND

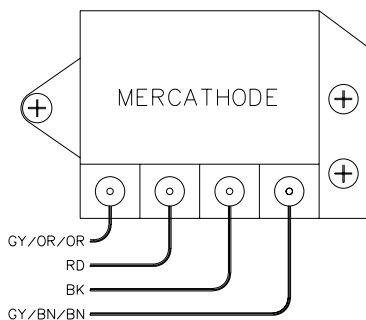


FIG. 1

MERCATHODE BKR 20A
(AFT BKR PANEL)
(REAR VIEW)

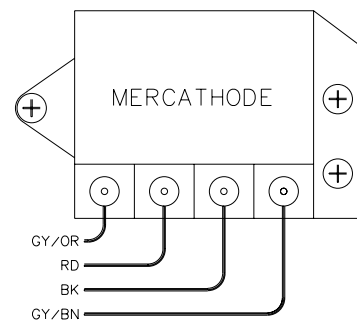
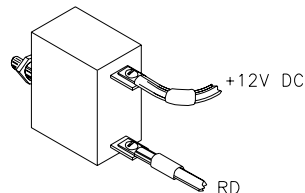
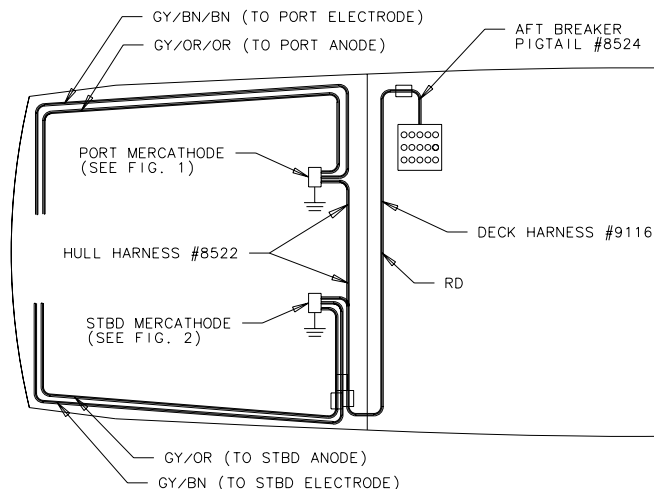


FIG. 2



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AFT BREAKER PANEL, THE "MERC." BREAKER MUST BE PUSHED IN (CLOSED).
4. THE MERCATHODE IS NOW SUPPLIED WITH POWER AND SHOULD BE OPERATING.



THUNDERBIRD
PRODUCTS
ENGINEERING

MERCATHODE

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-280

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



OUTDRIVE
PUMP



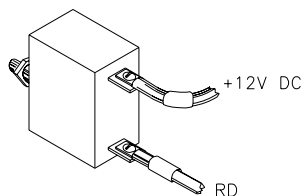
PLUG



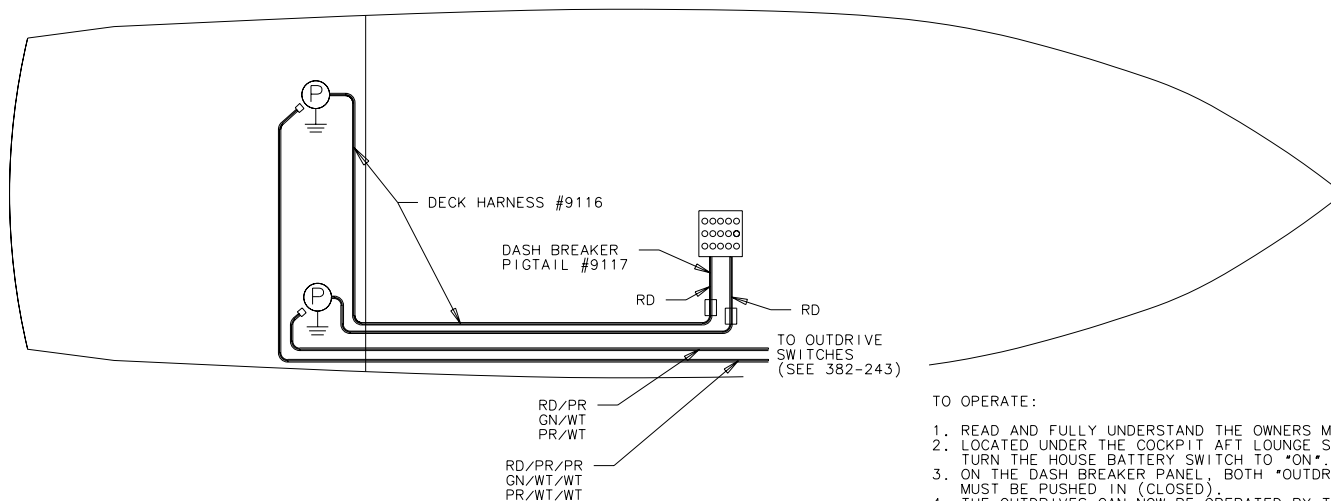
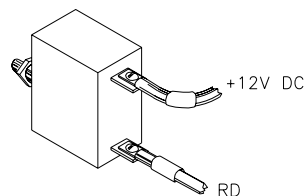
DC GROUND



OUTDRIVE BKR 40A
(DASH BKR PANEL)
(REAR VIEW)



OUTDRIVE BKR 40A
(DASH BKR PANEL)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, BOTH "OUTDRIVE" BREAKERS MUST BE PUSHED IN (CLOSED).
4. THE OUTDRIVES CAN NOW BE OPERATED BY THE OUTDRIVE SWITCHES ON THE DASH.



THUNDERBIRD
PRODUCTS
ENGINEERING

OUTDRIVES		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-290	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



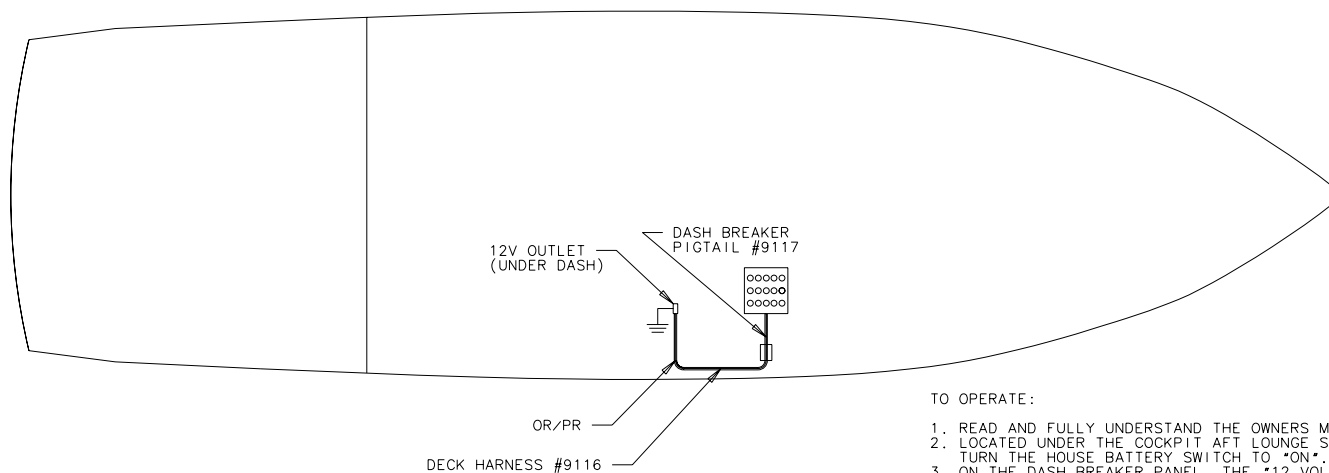
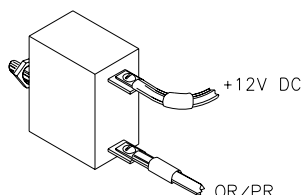
PLUG



DC GROUND



12 VOLT OUTLET BKR 15A
(DASH BKR PANEL)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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 IS NOW SUPPLIED WITH POWER AND READY FOR USE.



THUNDERBIRD
PRODUCTS
ENGINEERING

OUTLET, 12V DC

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-300

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



PUMP



FLOAT
SWITCH



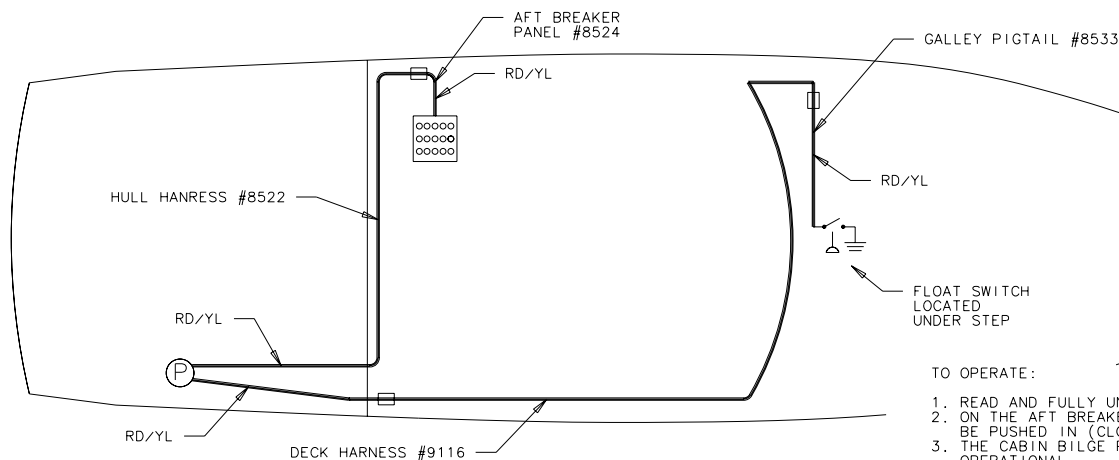
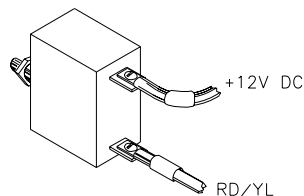
PLUG



DC GROUND



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. ON THE AFT BREAKER, THE "CABIN BILGE" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE CABIN BILGE PUMP IS NOW SUPPLIED WITH POWER AND OPERATIONAL.

NOTE: THE HOUSE 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.



THUNDERBIRD
PRODUCTS
ENGINEERING

CABIN BILGE PUMP

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-310

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



PUMP



FLOAT
SWITCH



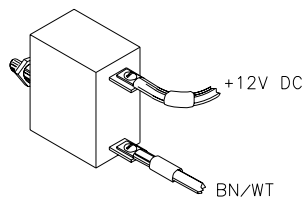
PLUG



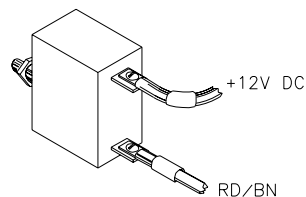
DC GROUND



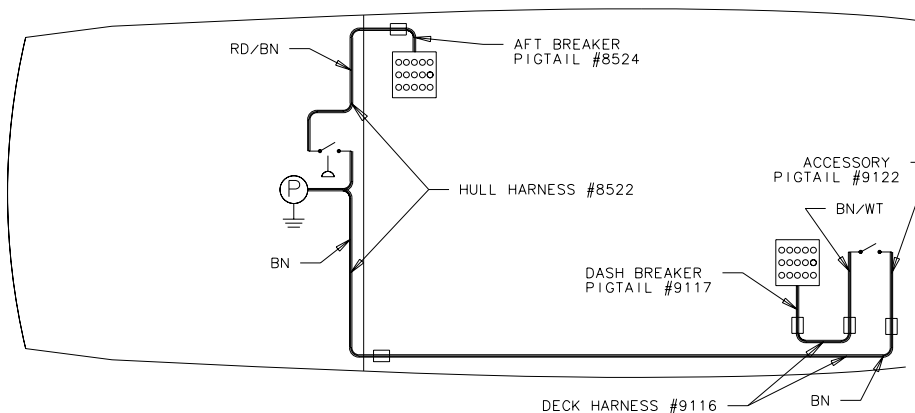
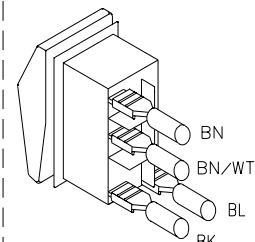
BILGE PUMP BKR 15A
(DASH BKR PANEL)
(REAR VIEW)



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



BILGE PUMP SWITCH
(ACCESSORY PANEL)
(REAR VIEW)



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS 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 OPERATIONAL.

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

THE ENGINE BILGE PUMP CAN NOT BE TURNED OFF BY TURN THE HOUSE BATTERY SWITCH TO "OFF".

TO OPERATE MANUALLY:

1. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "BILGE PUMP" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE ENGINE BILGE PUMP CAN NOW BE OPERATED BY THE "BILGE PUMP" SWITCH ON THE ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

ENGINE BILGE PUMP

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-320

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



PLUG



DC GROUND

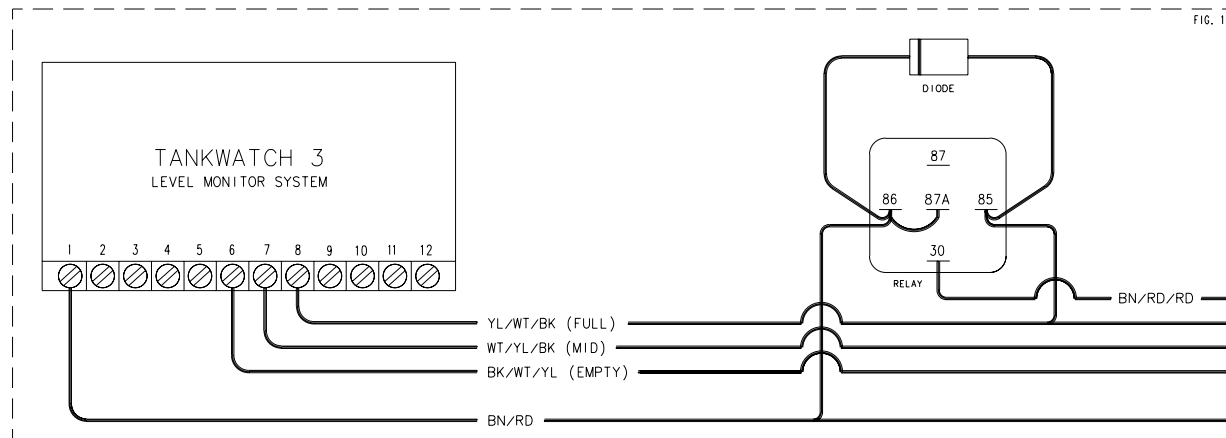
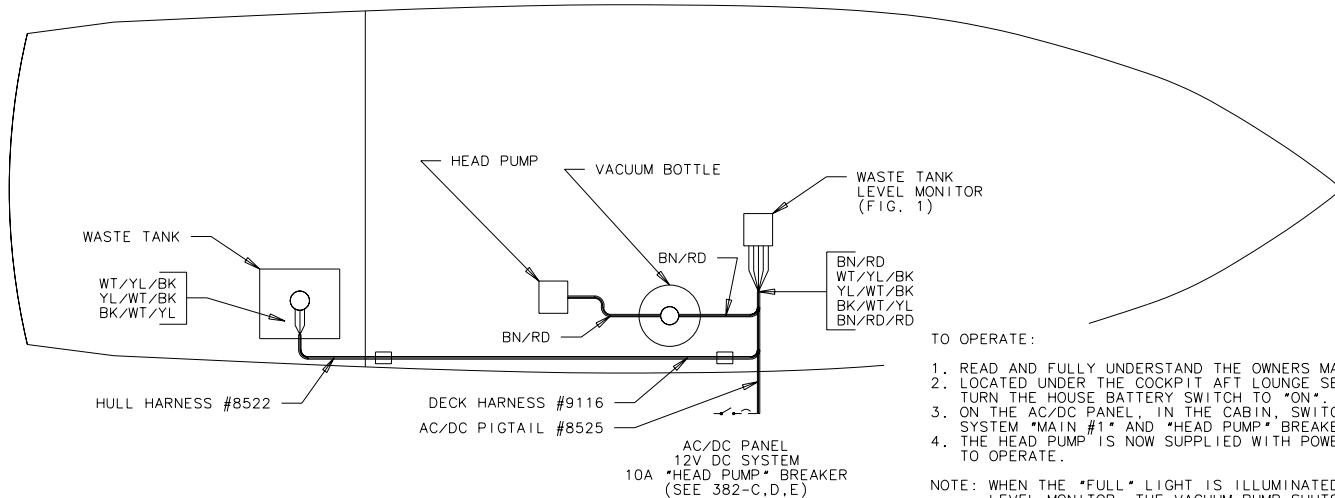


FIG. 1



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL, IN THE CABIN, SWITCH THE 12V DC SYSTEM "MAIN #1" 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.



THUNDERBIRD
PRODUCTS
ENGINEERING

HEAD PUMP		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-330	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



PUMP



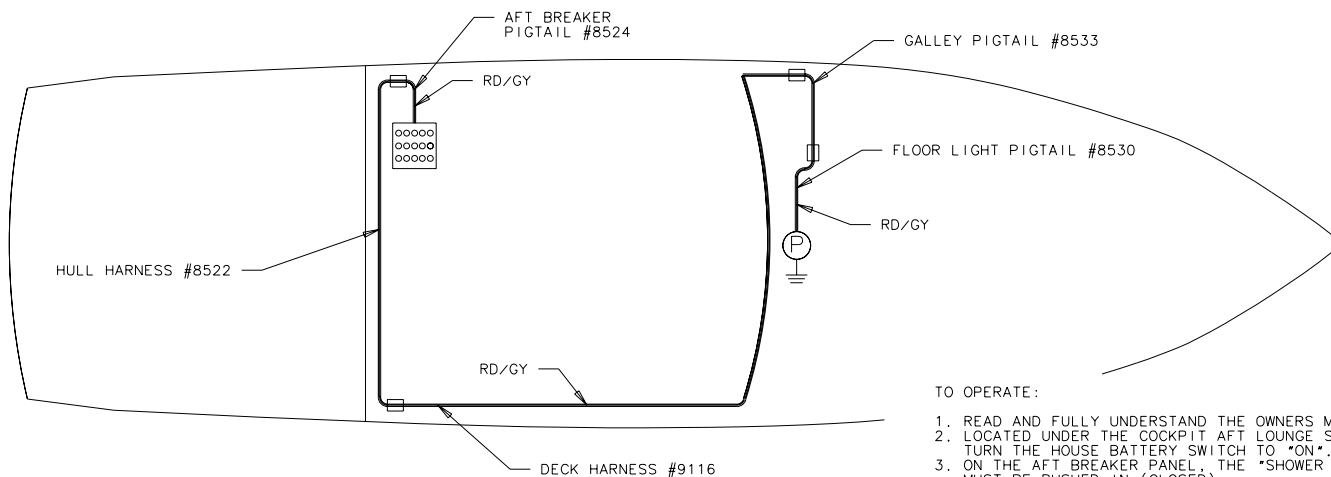
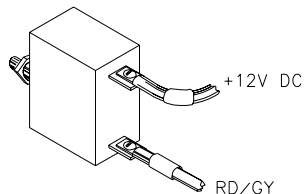
PLUG



DC GROUND



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AFT BREAKER PANEL, THE "SHOWER SUMP" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE SHOWER SUMP PUMP IS NOW SUPPLIED WITH POWER AND OPERATIONAL.

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



THUNDERBIRD
PRODUCTS
ENGINEERING

SHOWER SUMP PUMP

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-340

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



PUMP



PLUG



DC GROUND



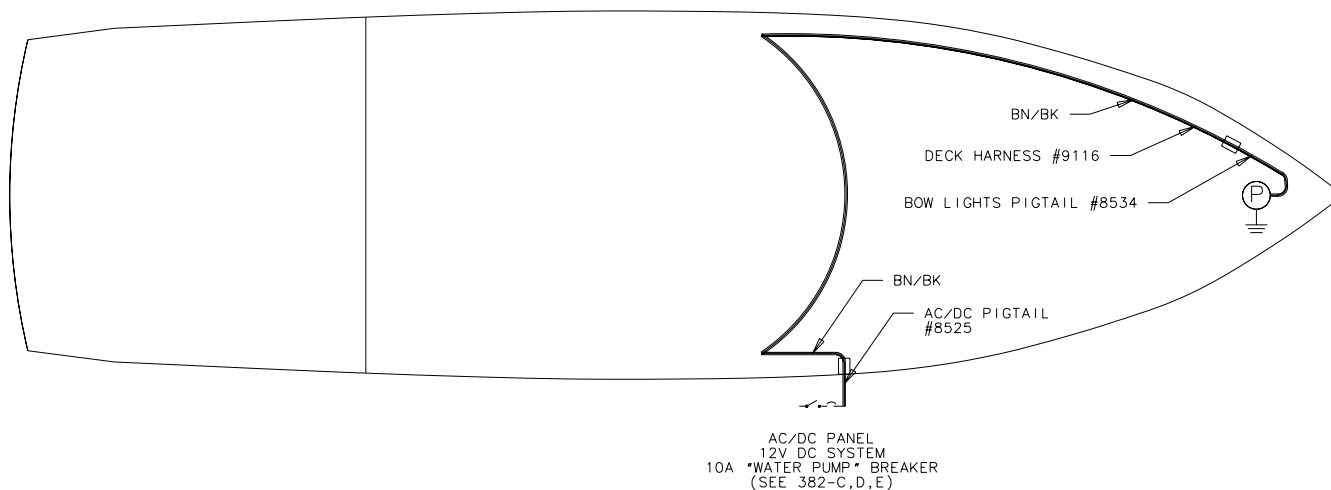
TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL, IN THE CABIN, SWITCH THE "WATER PUMP" BREAKER 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 THE WATER PUMP.



THUNDERBIRD
PRODUCTS
ENGINEERING

WATER PUMP

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-350

DATE: 3/1/96

(260) 724-9111

LEGEND

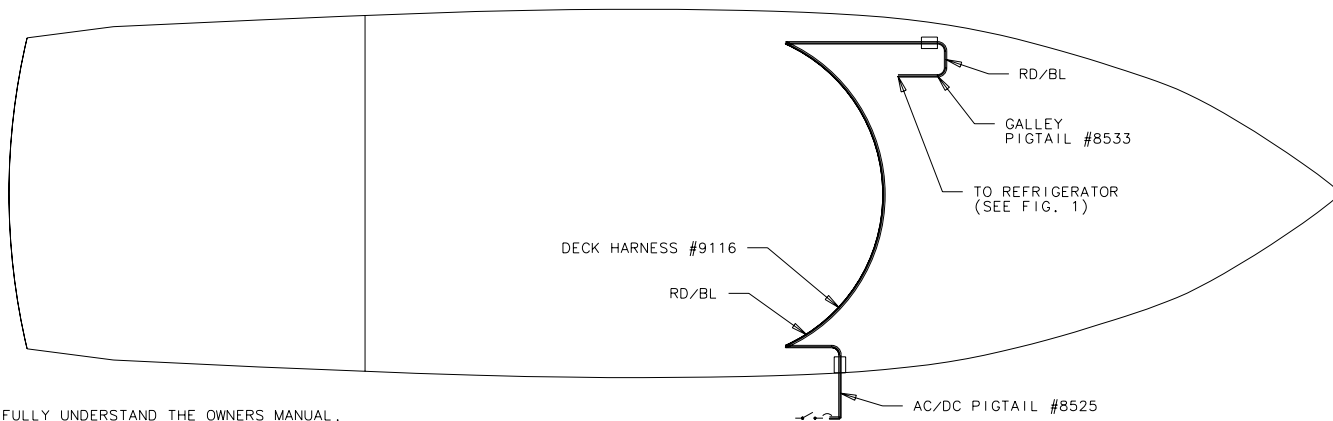
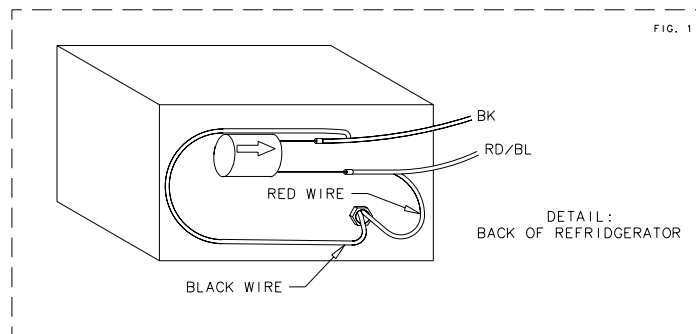
BREAKER
PANEL



PLUG



DC GROUND



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL, IN THE CABIN, SWITCH THE "MAIN #1" AND "REFRIGERATOR" BREAKERS TO "ON".
4. THE REFRIGERATOR IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE THE REFRIGERATORS OWNERS MANUAL FOR FURTHER OPERATING INSTRUCTIONS.

AC/DC PANEL
12V DC SYSTEM
15A "REFRIGERATOR" BREAKER
(SEE 382-C,D,E)



THUNDERBIRD
PRODUCTS
ENGINEERING

REFRIGERATOR

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-360

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



BREAKER
SWITCH



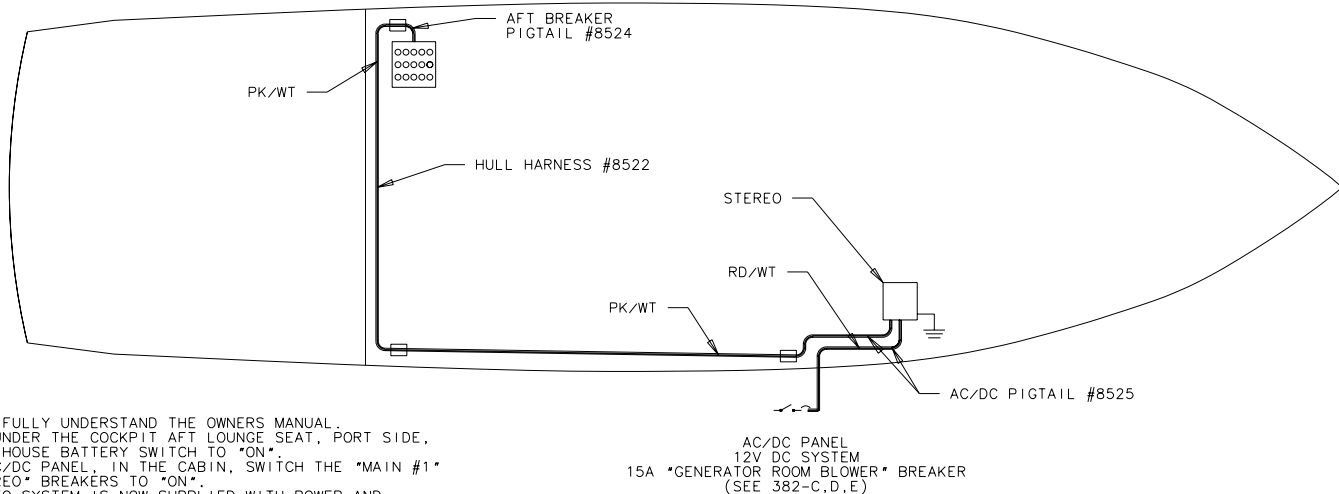
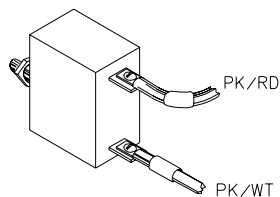
PLUG



DC GROUND



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE AC/DC PANEL, IN THE CABIN, SWITCH THE "MAIN #1" AND "STEREO" BREAKERS TO "ON".
4. THE STEREO SYSTEM IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
5. SEE KENWOOD'S OPERATORS MANUAL FOR INSTRUCTIONS ON OPERATING STEREO FUNCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

STEREO

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-370

DATE: 3/1/96

(260) 724-9111

LEGEND

BREAKER
PANEL



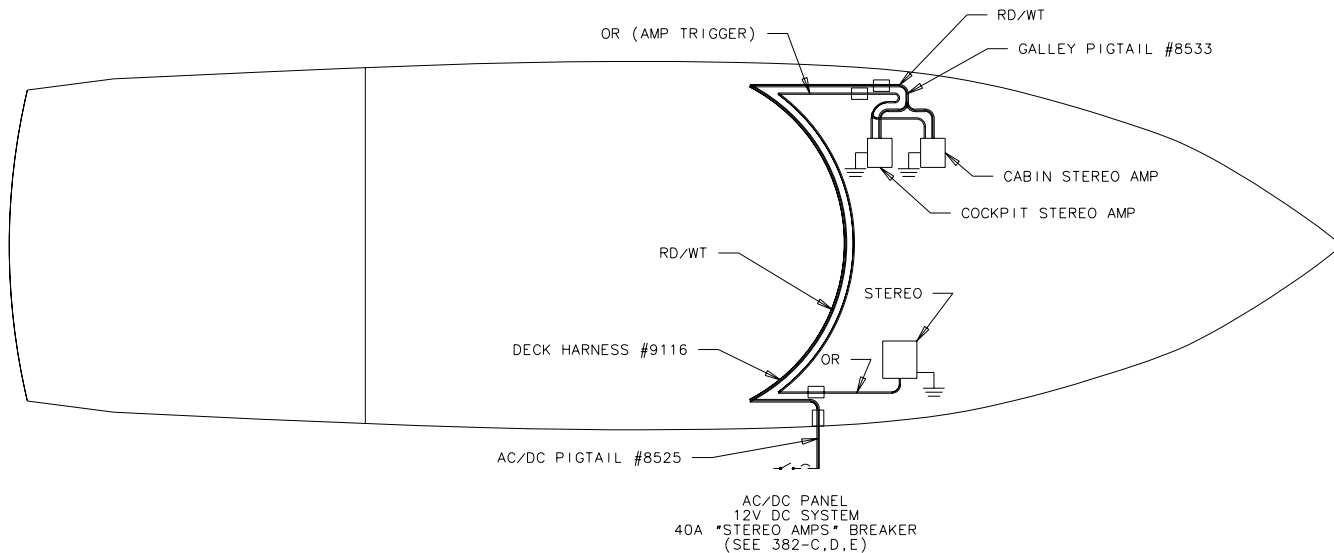
BREAKER
SWITCH



PLUG



DC GROUND



THUNDERBIRD
PRODUCTS
ENGINEERING

STEREO AMPS

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

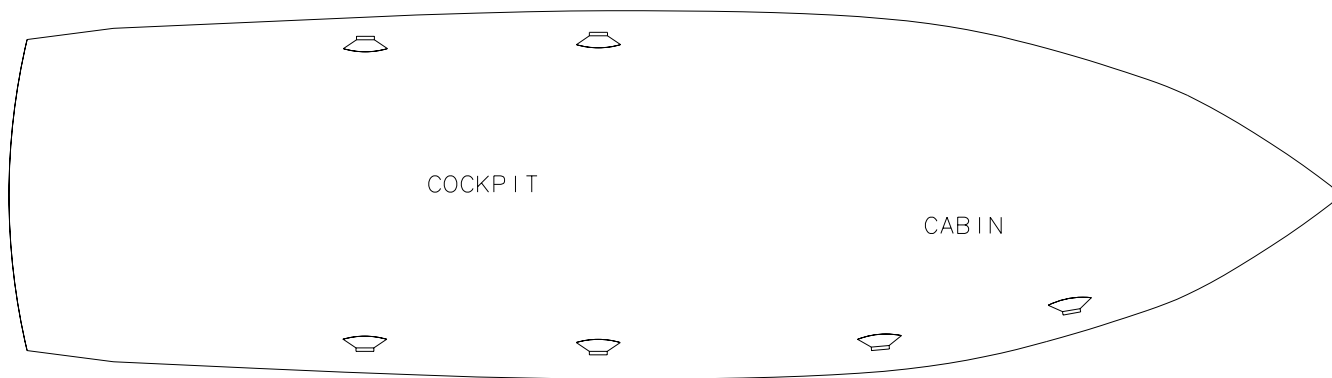
DR BY: R. HANNI

DECATUR IN., 46733-5003

NO.: 382-371

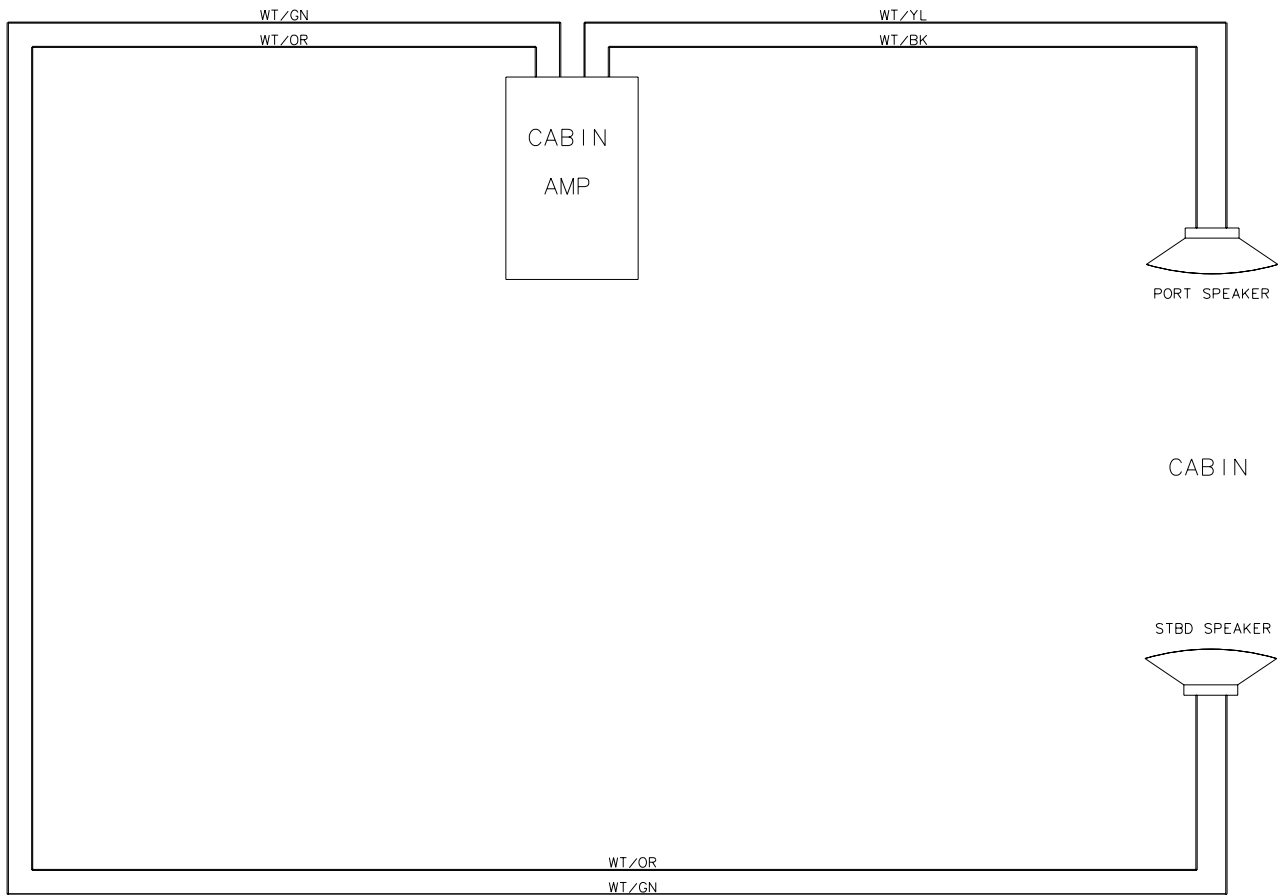
DATE: 3/1/96

(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

SPEAKER LOCATION		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-372	DATE: 3/1/96	(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

SPEAKER WIRING,
CABIN

MODEL: F-382 SR1

DR BY: R. HANNI

NO.: 382-373

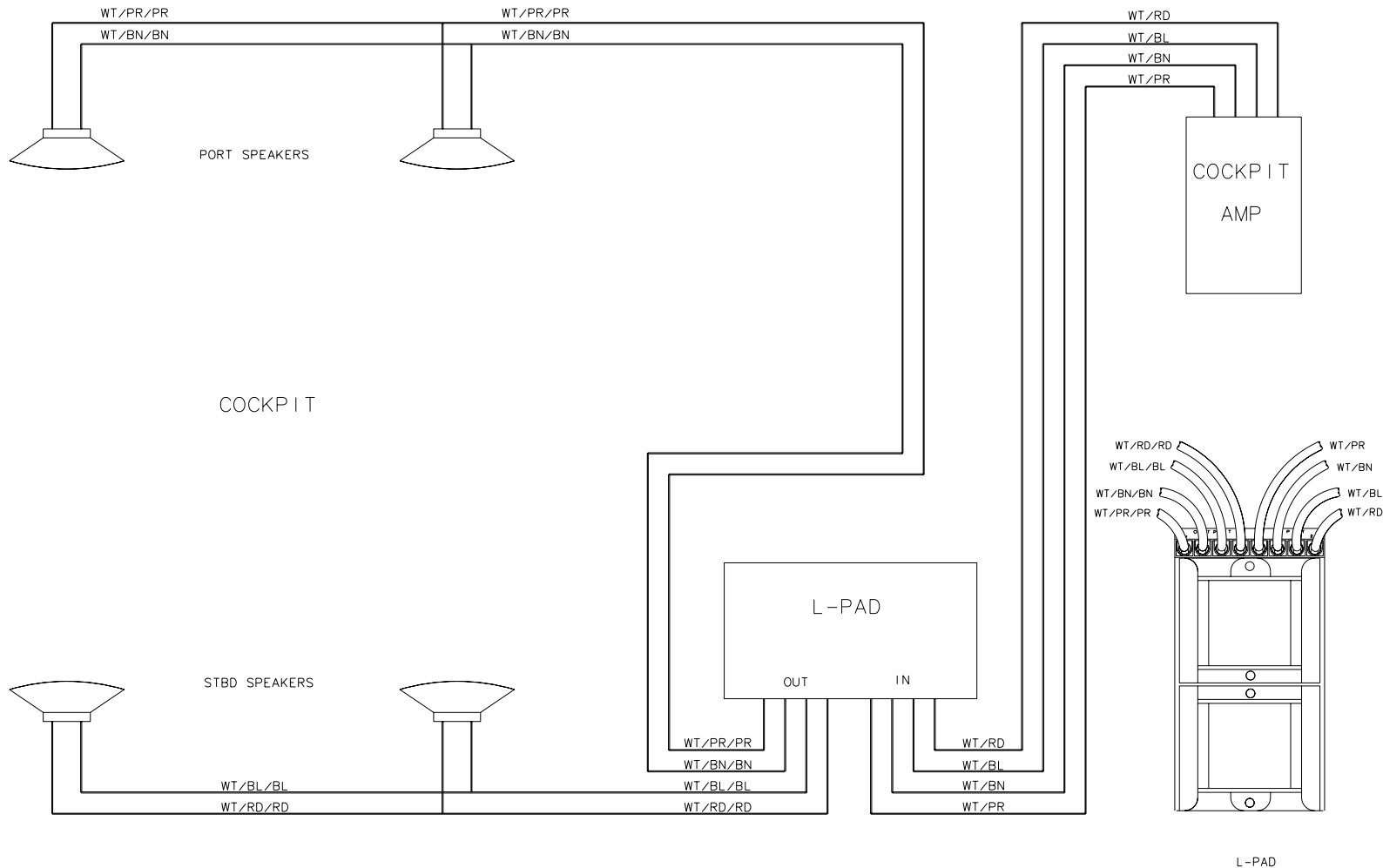
DATE: 3/1/96

THUNDERBIRD PRODUCTS

P.O. BOX 1003

DECATUR IN., 46733-5003

(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

SPEAKER WIRING, COCKPIT		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-374	DATE: 3/1/96	(260) 724-9111

LEGEND

BREAKER
PANEL



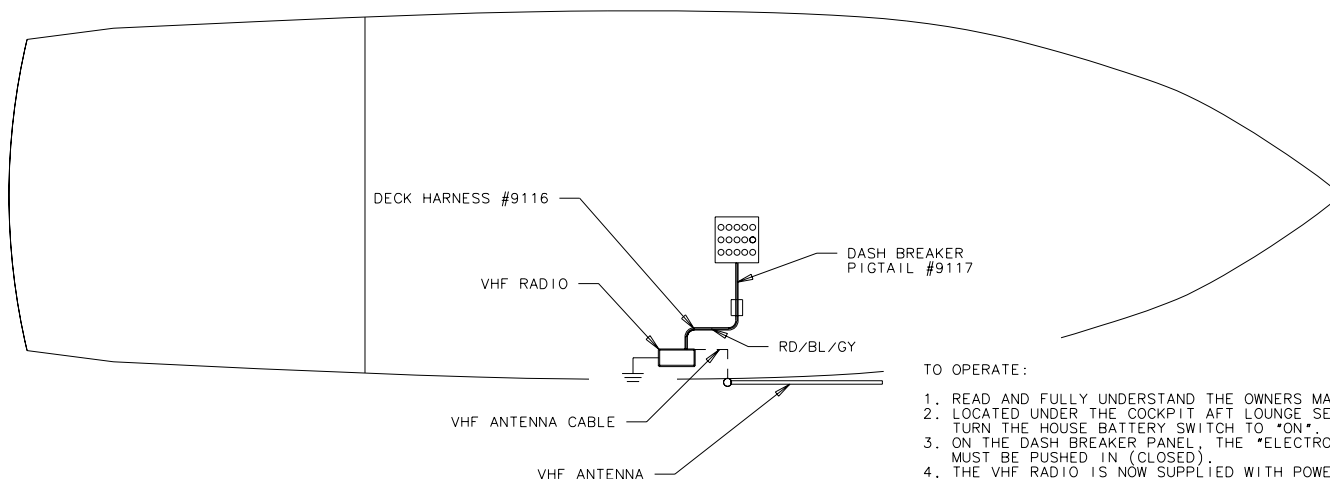
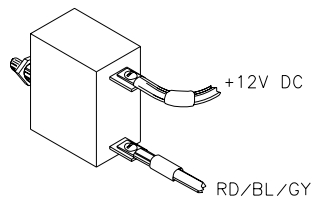
PLUG



DC GROUND



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



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE 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'S OPERATORS MANUAL FOR FURTHER INSTRUCTIONS ON OPERATING RADIO FUNCTIONS.



THUNDERBIRD
PRODUCTS
ENGINEERING

VHF		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-380	DATE: 3/1/96	(260) 724-9111

LEGEND

PRESSURE SWITCH



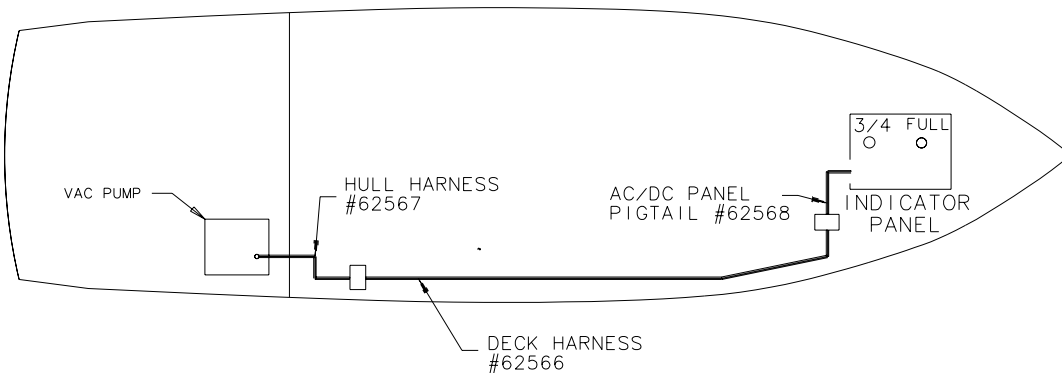
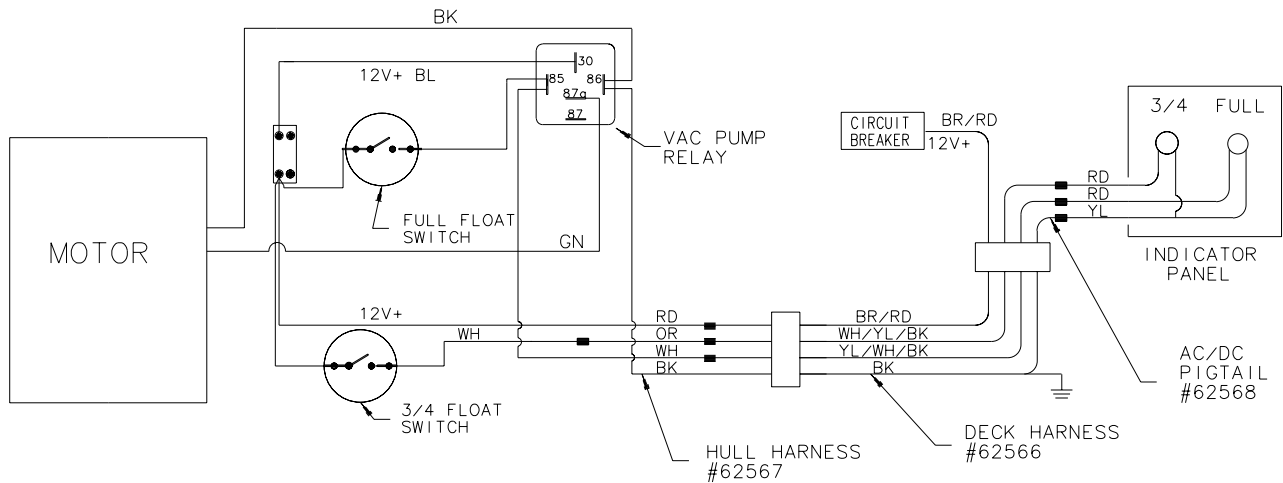
PLUGS



SPLICE



GROUND



CODE	COLOR	STRIPE	STRIPE
BK	BLACK		
BL	BLUE		
BR/RD	BROWN	RED	
GN	GREEN		
OR	ORANGE		
RD	RED		
WH	WHITE		
WH/YL/BK	WHITE	YELLOW	BLACK
YL/WH/BK	YELLOW	WHITE	BLACK



THUNDERBIRD
PRODUCTS
ENGINEERING

WASTE SYSTEM WITH
VACUUM PUMP

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: S. JONES

DECATUR IN., 46733-5003

NO.: 382-390

DATE: 1/6/00

(260) 724-9111

LEGEND

BREAKER
PANEL



SOLENOID



SWITCH



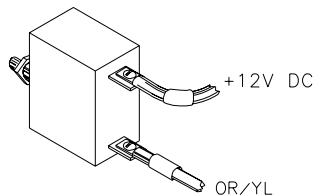
PLUG



DC GROUND

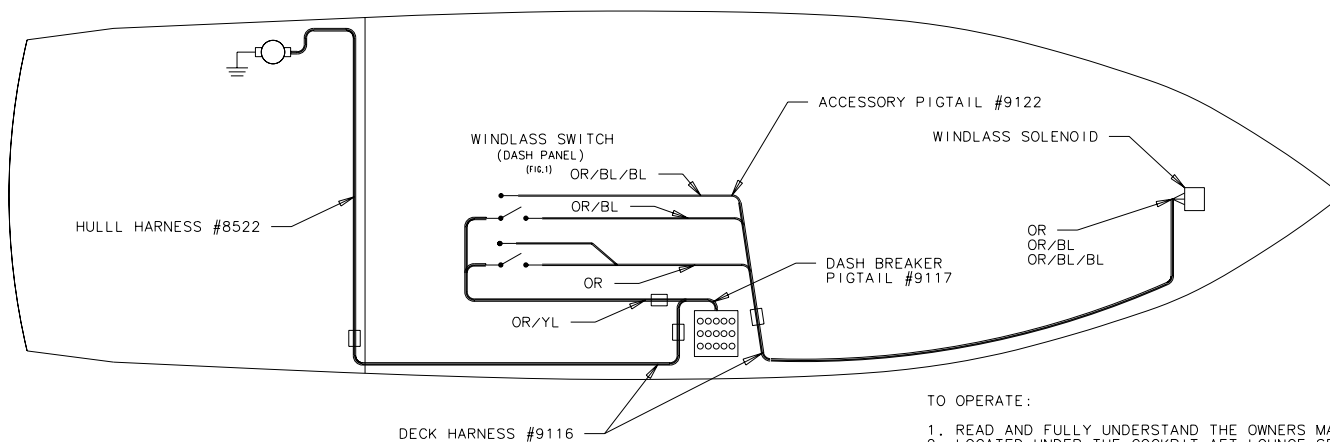
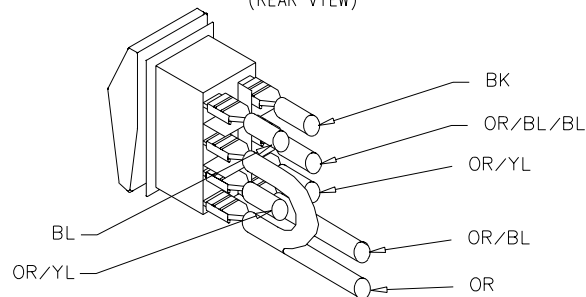


WINDLASS BKR 10A
(DASH BKR PANEL)
(REAR VIEW)



WIPER SWITCH
(ACCESSORY PANEL)
(REAR VIEW)

FIG. 1



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNERS MANUAL.
2. LOCATED UNDER THE COCKPIT AFT LOUNGE SEAT, PORT SIDE, TURN THE HOUSE BATTERY SWITCH TO "ON".
3. ON THE DASH BREAKER PANEL, THE "BATT PAR./WNDS" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE WINDLASS CAN NOW BE OPERATED BY THE "WINDLASS UP/DOWN" SWITCH ON THE ACCESSORY PANEL.



THUNDERBIRD
PRODUCTS
ENGINEERING

WINDLASS		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-400	DATE: 3/1/96	(219) 724-9111

LEGEND

GROUND
BLOCK



SOLENOID



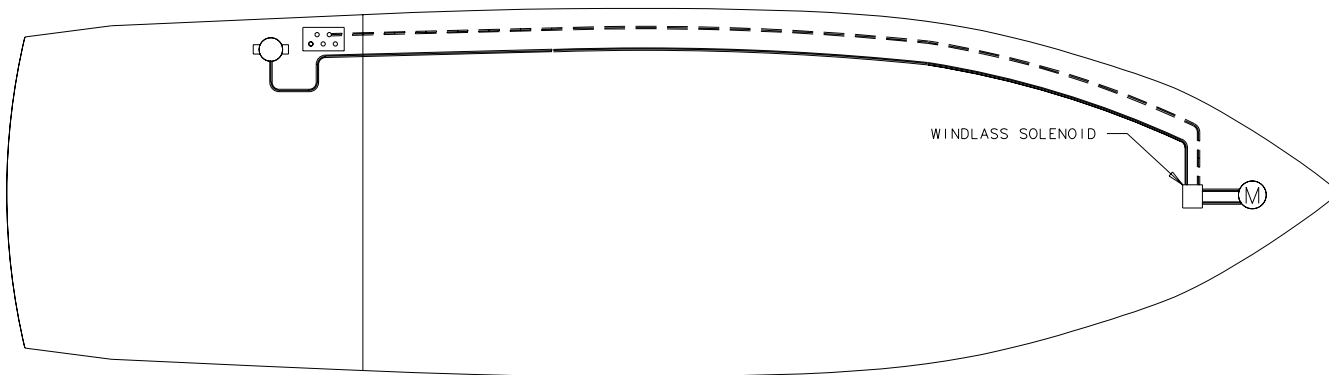
WINDLASS
MOTOR



CABLE
#1 RED



CABLE
#1 BLACK



THUNDERBIRD
PRODUCTS
ENGINEERING

WINDLASS

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

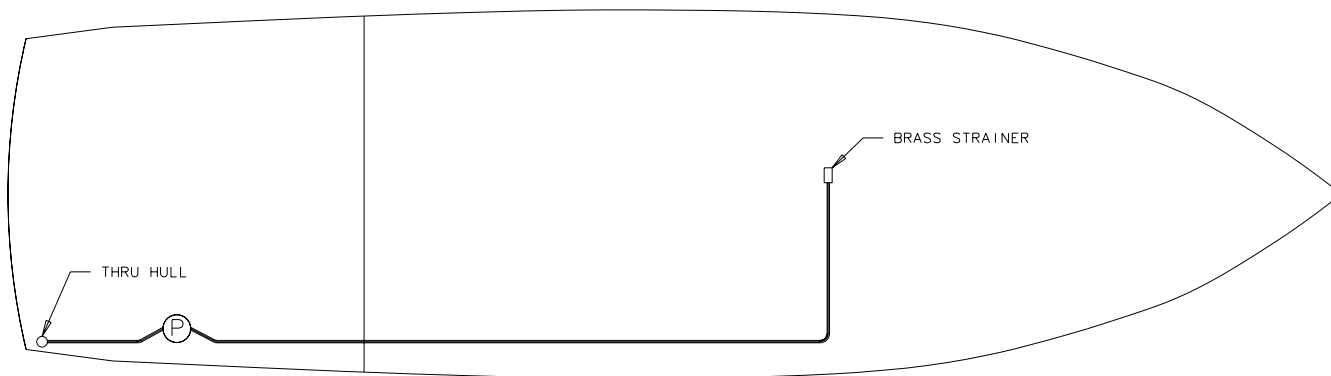
NO.: 382-401

DATE: 3/1/96

(219) 724-9111

LEGEND

PUMP

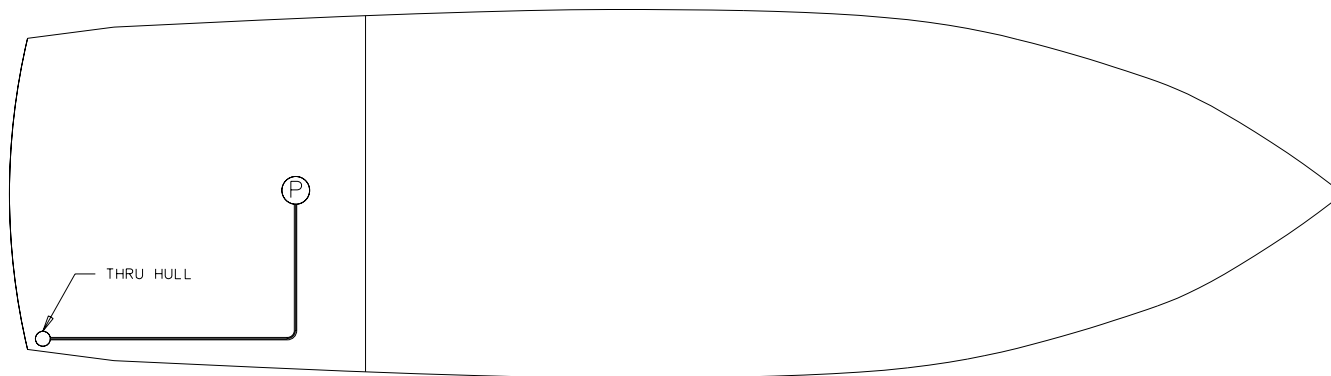


THUNDERBIRD
PRODUCTS
ENGINEERING

PLUMBING, CABIN BILGE PUMP		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-500	DATE: 3/1/96	(260) 724-9111

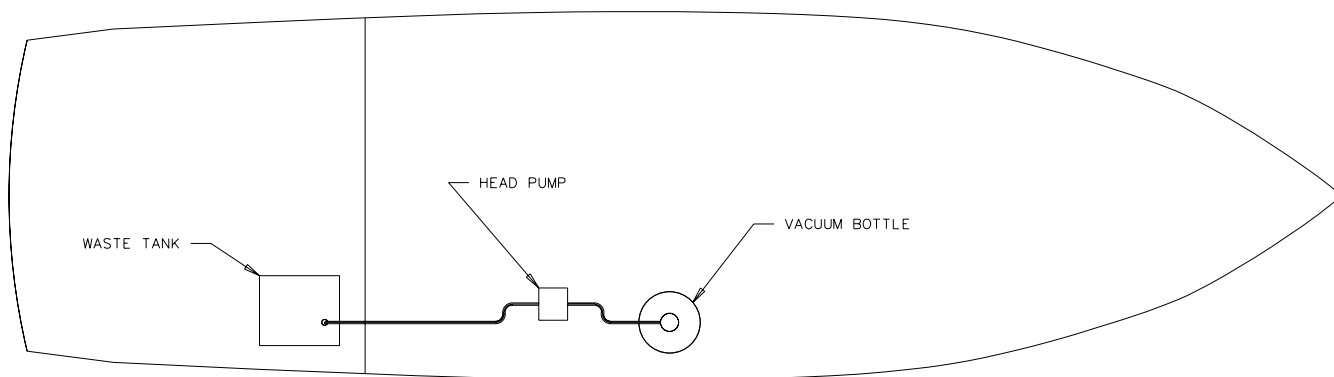
LEGEND

PUMP



THUNDERBIRD
PRODUCTS
ENGINEERING

PLUMBING, ENGINE BILGE PUMP		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-510	DATE: 3/1/96	(260) 724-9111

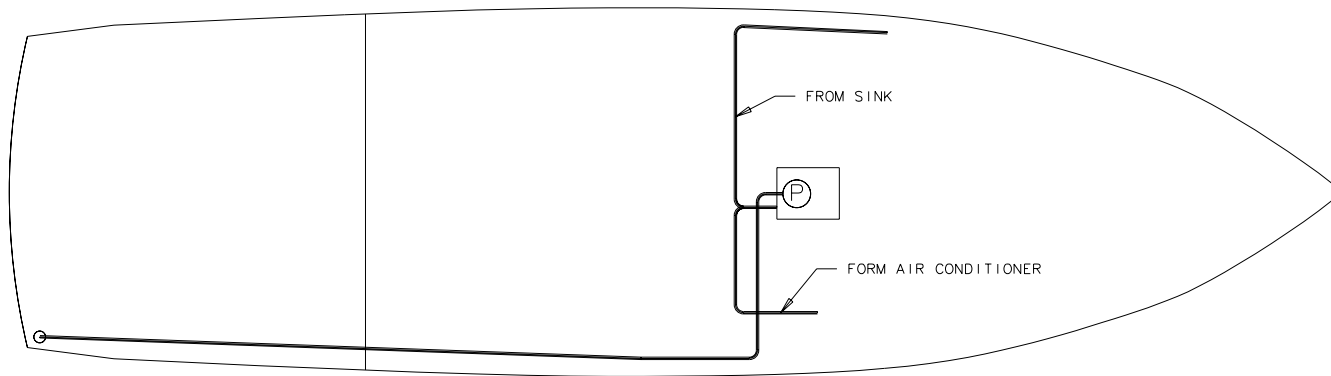


THUNDERBIRD
PRODUCTS
ENGINEERING

PLUMBING, HEAD PUMP		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-520	DATE: 3/1/96	(260) 724-9111

LEGEND

PUMP



THUNDERBIRD
PRODUCTS
ENGINEERING

PLUMBING, SHOWER SUMP PUMP

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MODEL: F-382 SR1

DR BY: R. HANNI

DECATUR IN., 46733-5003

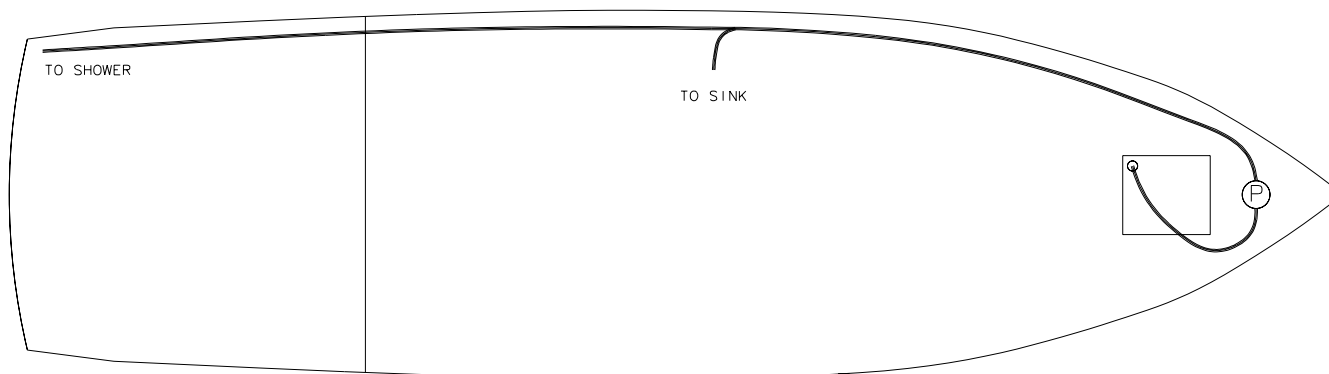
NO.: 382-530

DATE: 3/1/96

(260) 724-9111

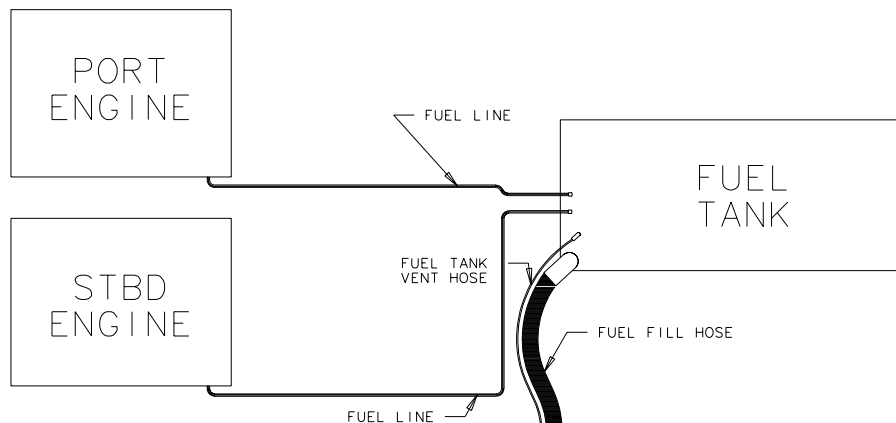
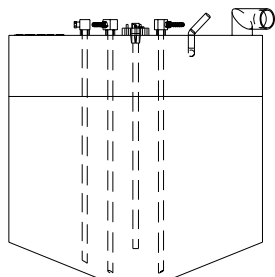
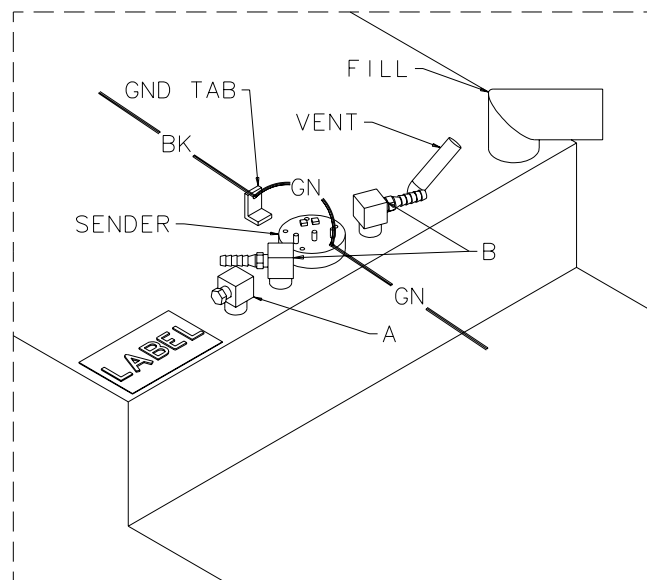
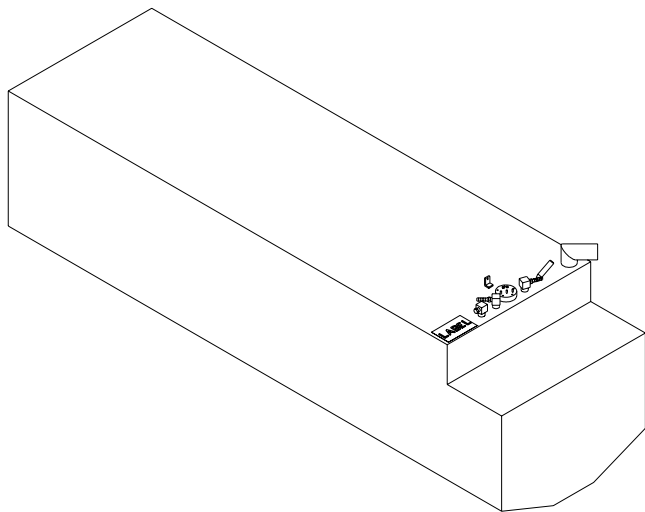
LEGEND

PUMP



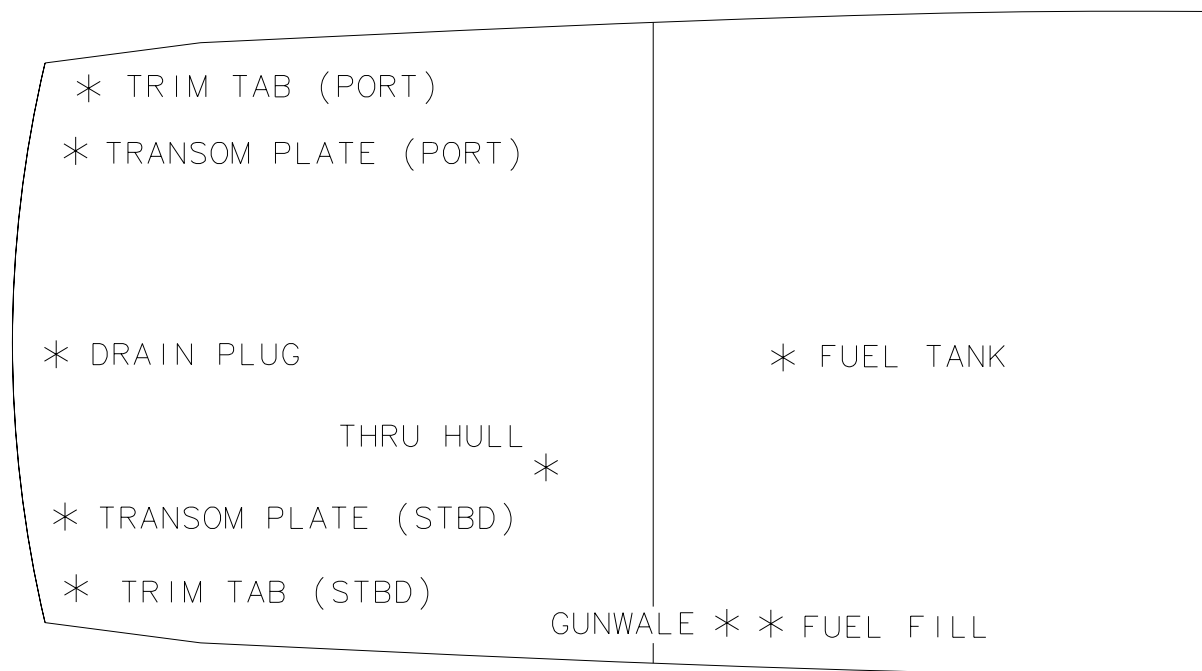
THUNDERBIRD
PRODUCTS
ENGINEERING

PLUMBING, WATER PUMP		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-540	DATE: 3/1/96	(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

FUEL SYSTEM, GASOLINE		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-600	DATE: 3/1/96	(260) 724-9111



THUNDERBIRD
PRODUCTS
ENGINEERING

BONDING POINTS		THUNDERBIRD PRODUCTS
		P.O. BOX 1003
MODEL: F-382 SR1	DR BY: R. HANNI	DECATUR IN., 46733-5003
NO.: 382-700	DATE: 3/1/96	(260) 724-9111