

292 FASTECH SYSTEMS DIAGRAMS

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WIRE COLORS AND ABBREVIATIONS

BLACK	-----BK
BLUE	-----BL
BROWN	-----BN
GRAY	-----GY
GREEN	-----GN
ORANGE	-----OR
PINK	-----PK
PURPLE	-----PR
RED	-----RD
TAN	-----TN
WHITE	-----WT
YELLOW	-----YL

COMMON COLOR CODES

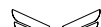
BL/RD/RD

NOTE :

COLOR OF WIRE MAY HAVE LT. OR DK. BEFORE THE COLOR CODE. THIS STATES THAT THE WIRE IS EITHER LIGHT OR DARK COLORED.

EXAMPLE: LT.BL/BK = LIGHT BLUE WIRE WITH A BLACK STRIPE.

CODE	COLOR	STRIPE	STRIPE
BK	BLACK		
BL/RD/RD	BLUE	RED	RED
BN/WT/RD	BROWN	WHITE	RED
GY/BN/BN	GRAY	BROWN	BROWN
GN/BL/BL	GREEN	BLUE	BLUE
OR/RD/BN	ORANGE	RED	BROWN
PK/RD	PINK	RED	
PR/WT/WT	PURPLE	WHITE	WHITE
RD/PK	RED	PINK	
TN/RD	TAN	RED	
WT/PR	WHITE	PURPLE	
YL	YELLOW		



2021 FACTBOOK HARNESS AND PIGTAIL #'S

12V HARNESSES






DECK HARNESS.....	122466
HULL HARNESS.....	122116

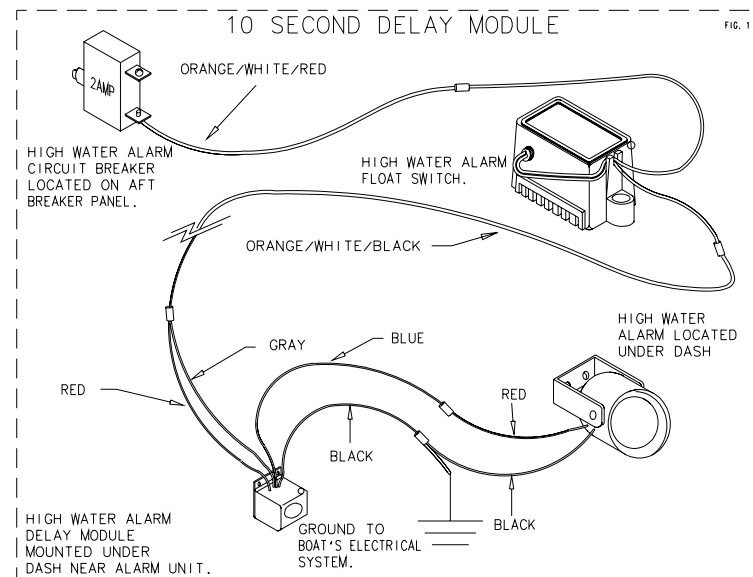
12V PIGTAILS

ACCESSORY PANEL.....	61316
AFT CIRCUIT BREAKER.....	9108
DASH CIRCUIT BREAKER.....	61320
DASH GAUGES.....	3471
IGNITION.....	61315
INSTRUMENT PANEL.....	6704
RADAR ARCH.....	63889
SPOTLIGHT.....	62947
STEREO CABINET.....	122467
TRIM SWITCHES.....	122465
V-BERTH.....	122469
VOL-CONTROL.....	103447



LEGEND

GROUND	
BREAKER	
FLOAT SWITCH	
ALARM	
PLUG	



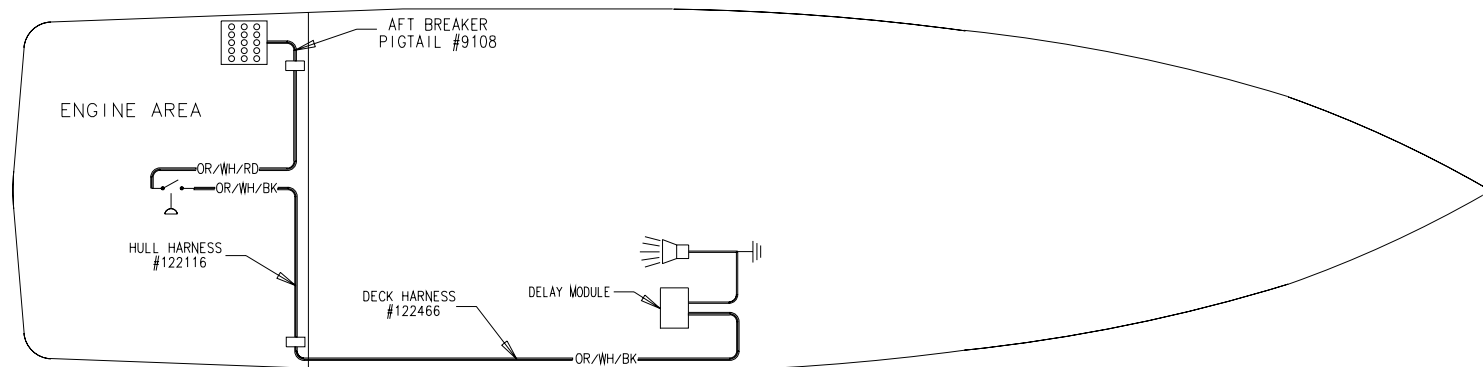
NOTE:

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

WHEN WATER IN THE ENGINE BILGE IS AT A LEVEL THAT MAY REQUIRE MANUAL PUMPING, THE UNDER DASH ALARM WILL SOUND.

WHEN ALARM SOUNDS:

1. CHECK ENGINE ROOM AND CABIN FOR HIGH WATER.
2. CHECK BILGE PUMPS TO SEE IF THEY ARE FUNCTIONING PROPERLY.
3. CONSULT MARINA'S SERVICE DEPARTMENT OR CALL FORMULA'S TECHNICAL ASSISTANCE GROUP.



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: HIGH WATER ALARM	
MOD.: 292 FASTech	04
DR BY: SAJ	

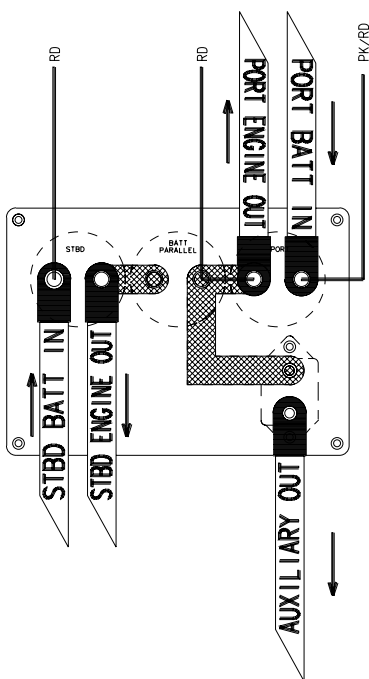
LEGEND

BATTERY

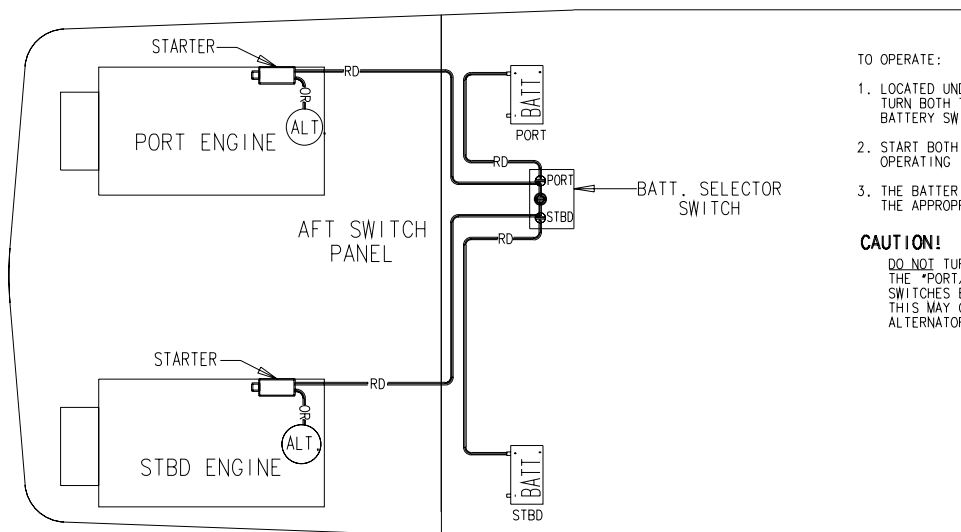
ALTERNATOR

BREAKER
PANEL

BATT. SELECTOR SWITCH



THUNDERBIRD
PRODUCTS
ENGINEERING



TO OPERATE:

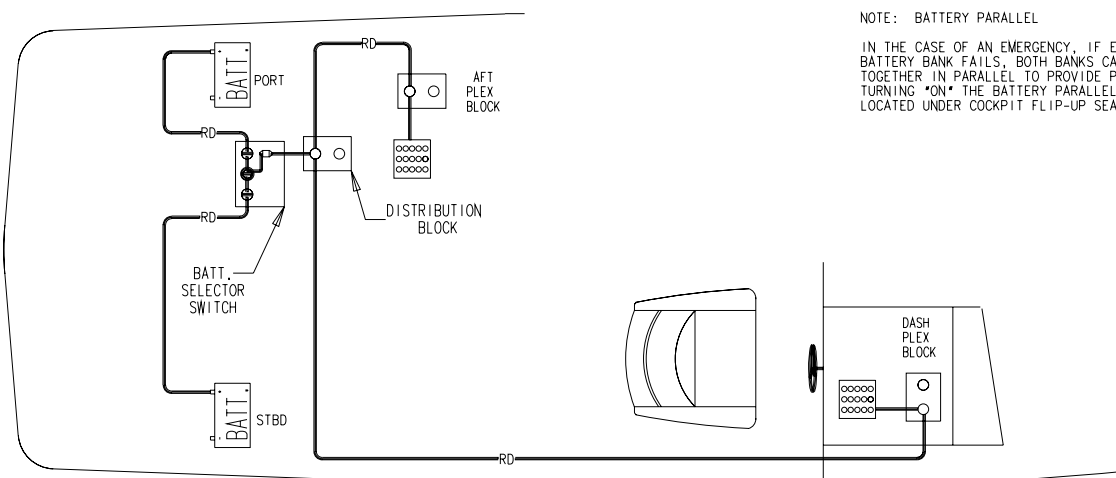
1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, TURN BOTH THE "PORT/AUX" AND "STBD" BATTERY SWITCHES TO THE ON POSITION.
2. START BOTH ENGINES BY FOLLOWING THE OPERATING INSTRUCTIONS ON PAGE #11.
3. THE BATTERIES ARE NOW BEING CHARGED BY THE APPROPRIATE ALTERNATOR.

CAUTION!

DO NOT TURN "OFF" THE ENGINES USING THE "PORT/AUX START" OR "STBD START" SWITCHES EXCEPT IN AN EMERGENCY! THIS MAY CAUSE SEVERE DAMAGE TO THE ALTERNATOR.

TITLE: BATTERY
CHARGING, ALTERNATORS
MOD.: 292 FASTech
DR BY: SAJ

05A



NOTE: BATTERY PARALLEL

IN THE CASE OF AN EMERGENCY, IF EITHER BATTERY BANK FAILS, BOTH BANKS CAN BE TIED TOGETHER IN PARALLEL TO PROVIDE POWER BY TURNING "ON" THE BATTERY PARALLEL SWITCH LOCATED UNDER COCKPIT FLIP-UP SEAT.

TITLE: DC SUPPLY
MOD.: 292 FASTech
DR BY: SAJ

05B

LEGEND

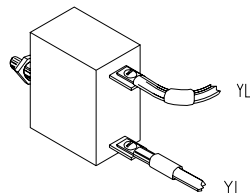
GROUND 

BREAKER 

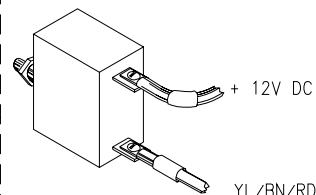
PLUGS 

BLOWER 

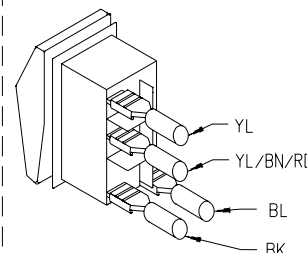
BLOWER BKR 6A
(AFT BKR PANEL)
(REAR VIEW)



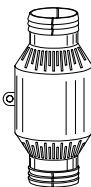
BLOWER BKR 15A
(DASH BKR PANEL)
(REAR VIEW)



BLOWER SWITCH
(IGNITION PANEL)
(REAR VIEW)



ITC MARINE
BLOWER

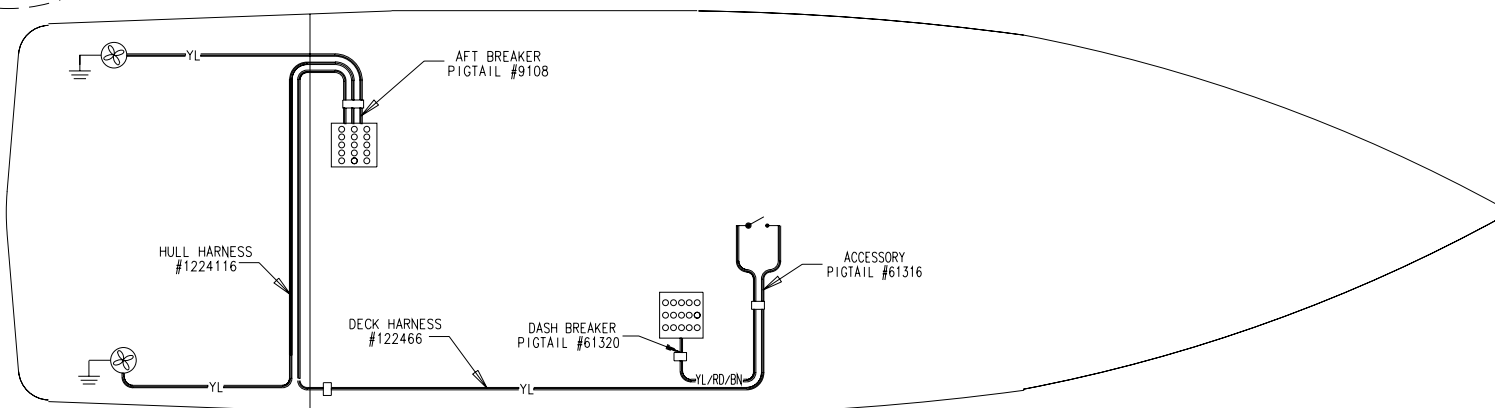


WARNING!

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 COCKPIT FLIP-UP SEAT,
TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "BILGE
BLOWER" BREAKER MUST BE PUSHED IN
(CLOSED).
3. ON 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.



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: BLOWERS,
ENGINE BILGE
MOD.: 292 FASTech
DR BY: SAJ

06

LEGEND

GROUND



SWITCH



PLUG



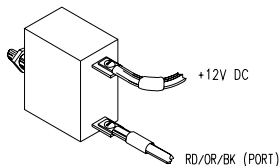
ENGINE
PLUG



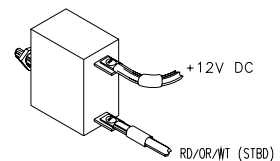
BREAKER
PANEL



PORT BOLSTER SEAT 15A
(DASH BKR PANEL)
(REAR VIEW)



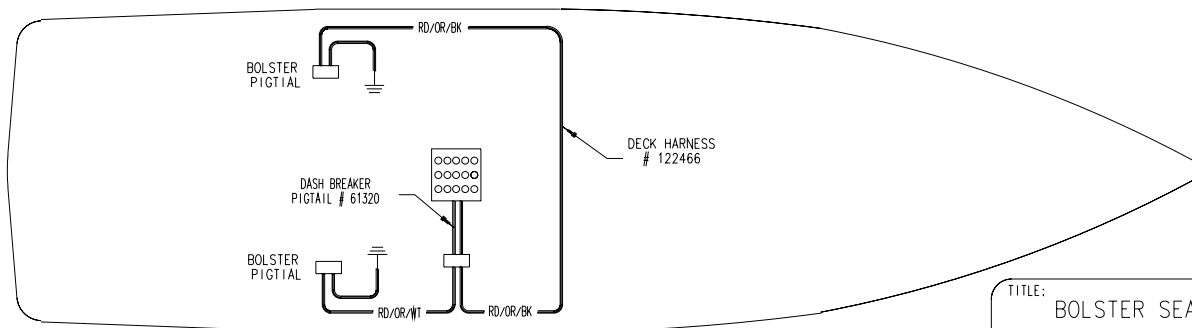
STBD BOLSTER SEAT 15A
(DASH BKR PANEL)
(REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. LOCATED UNDER COCKPIT AFT FLIP UP SEAT, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON DASH BREAKER PANEL, THE "FOOT/SEAT" BREAKERS MUST BE PUSHED IN (CLOSED).
3. THE BOLSTER SEAT CAN NOW BE RAISED AND LOWERED BY A SWITCH, LOCATED ON EACH SEAT'S ARM REST.



TITLE: BOLSTER SEAT

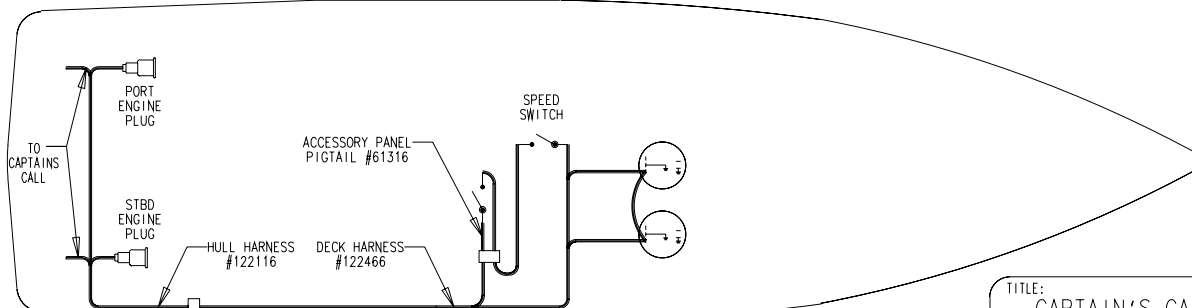
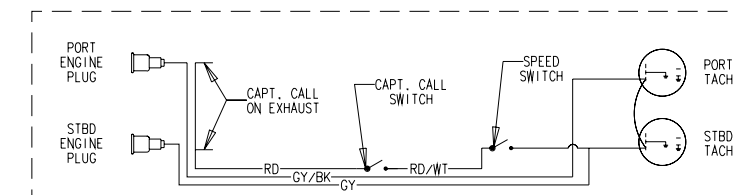
MOD.: 292 FASTech
DR BY: SAJ

07A

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, TURN THE PORT BATTERY SWITCH TO "ON".
2. THE CAPTAIN'S CALL CAN BE OPERATED BY "CAPT. CALL" SWITCH LOCATED ON THE ACCESSORY PANEL.

NOTE: THE CAPTAIN'S CALL WILL NOT OPERATE UNTIL EITHER ENGINE HAS REACHED 3000 RPM'S.



TITLE: CAPTAIN'S CALL

MOD.: 292 FASTech
DR BY: SAJ

07B

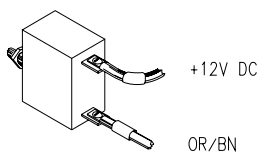
LEGEND

GROUND

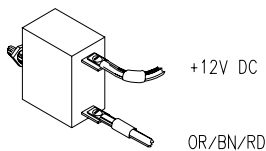
PLUG

DASH BREAKER

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



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

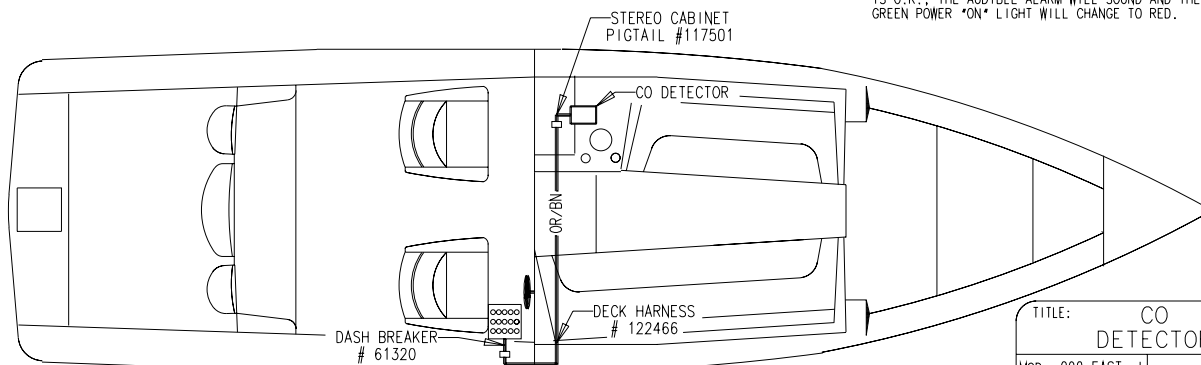


THUNDERBIRD
PRODUCTS
ENGINEERING

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

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON DASH BREAKER PANEL, SWITCH THE "12 VOLT OUTLET" BREAKER TO "ON".
3. CHECK THE CO SENSOR 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.



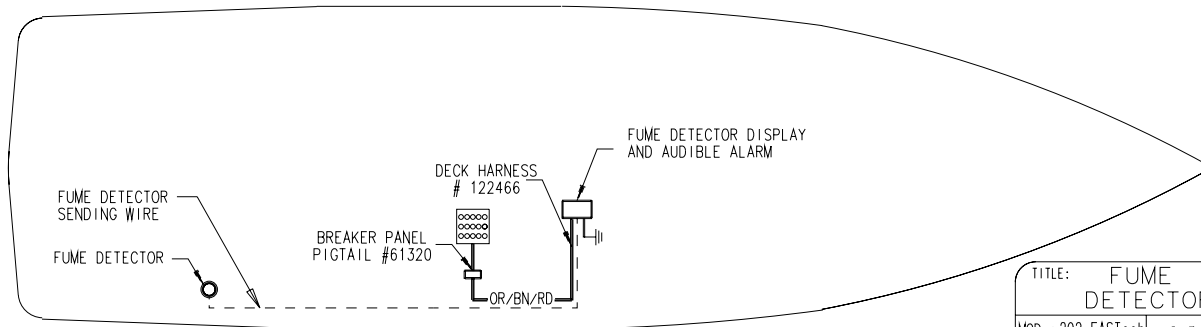
TITLE: CO
DETECTOR
MOD.: 292 FASTech
DR BY: SAJ 08A

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.

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON DASH BREAKER PANEL THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
3. PRESS THE "ON" BUTTON LOCATED UPON THE DETECTOR FACE.
4. PRESS "TEST"



TITLE: FUME
DETECTOR
MOD.: 292 FASTech
DR BY: SAJ 08B

LEGEND

GROUND 

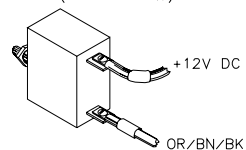
BREAKER
PANEL 

BLOWER 

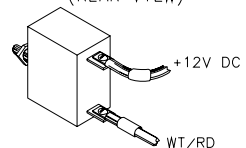
PLUG 

SWITCH 

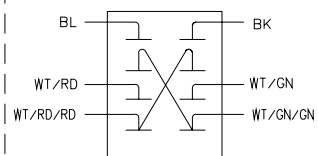
ELECTRONIC'S BKR 10A
(DASH BKR PANEL)
(REAR VIEW)



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



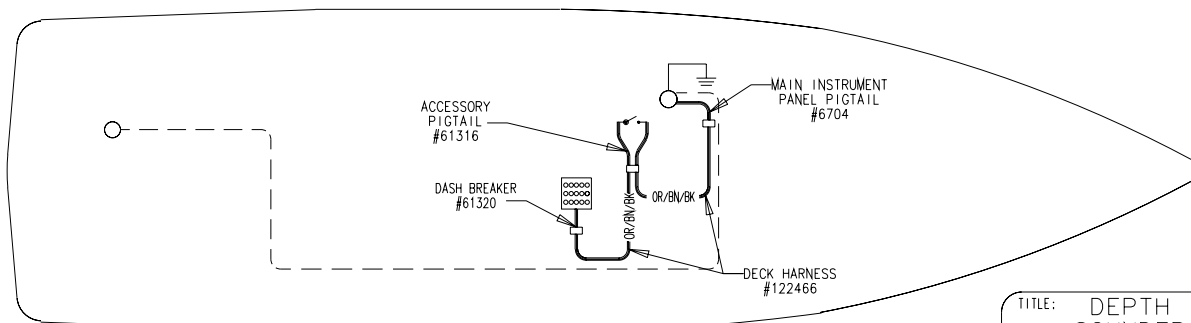
ENGINE HATCH SWITCH
(IGNITION PANEL)
(REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE DEPTH SOUNDER CAN NOW BE OPERATED BY THE "DEPTH" SWITCH ON THE ACCESSORY PANEL.



TITLE: DEPTH
SOUNDER

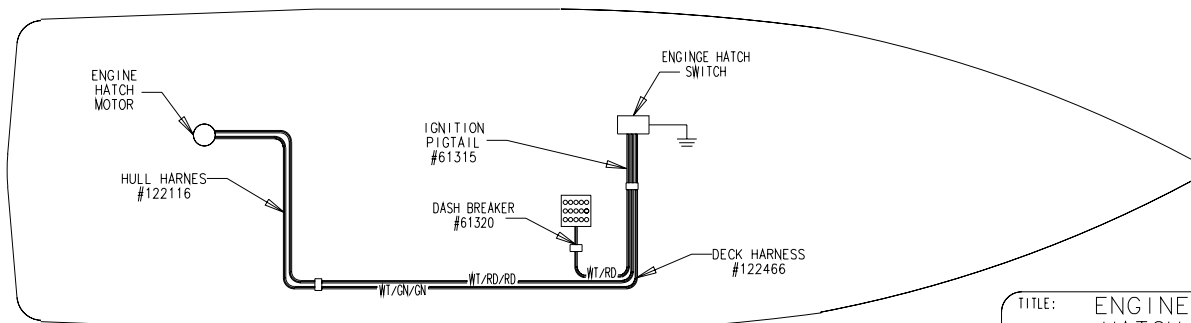
MOD.: 292 FASTech

DR BY: SAJ

09A

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL THE "ENGINE HATCH" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE ENGINE HATCH CAN NOW BE OPERATED BY THE "ENGINE HATCH" SWITCH ON THE IGNITION PANEL.



TITLE: ENGINE
HATCH

MOD.: 292 FASTech


DR BY: SAJ

09B

LEGEND

GROUND 

HALON LIGHT 

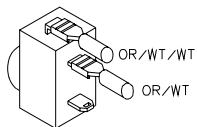
PLUG 

FIRE EXTINGUISHER 

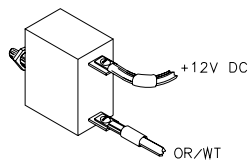
IGNITION 

HORN 

HORN SWITCH
(IGNITION PANEL)
(REAR VIEW)

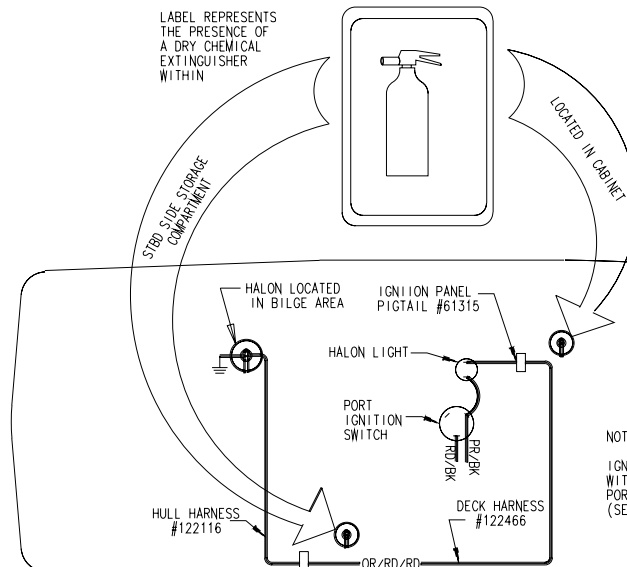


HORN BKR 20A
(DASH BKR PANEL)
(REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

LABEL REPRESENTS
THE PRESENCE OF
A DRY CHEMICAL
EXTINGUISHER
WITHIN



NOTE:
IGNITION IS SUPPLIED
WITH 12V DC FROM THE
PORT START BATTERY.
(SEE IGNITION CIRCUITS)

OPERATION:

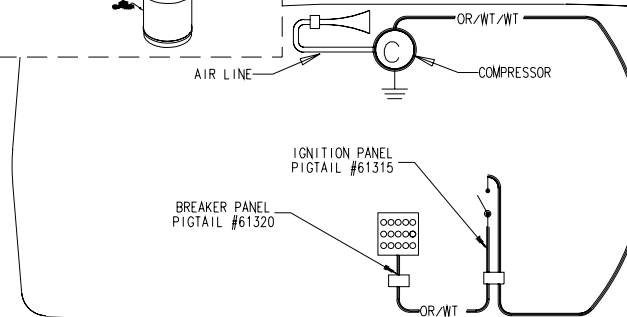
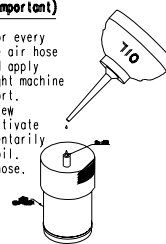
THE HALON INDICATOR LIGHT
IS POWERED BY THE STARTING
BATTERY WHEN THE IGNITION
SWITCH IS IN THE "ON" POSITION.
THE LIGHT INDICATES TO THE
OPERATOR THERE IS SUFFICIENT
PRESSURIZATION TO EXPEL THE
AGENT OF THE ENGINE
COMPARTMENT EXTINGUISHER.
THE UNIT DOES NOT REQUIRE
12 VOLTS TO EXPEL THE AGENT.

TITLE: FIRE
SYSTEM
MOD.: 292 FASTech
DR BY: SAJ 10A

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. LOCATED UNDER THE COCKPIT FLIP-UP SEAT,
TURN THE PORT BATTERY SWITCH TO "ON".
2. ON 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.

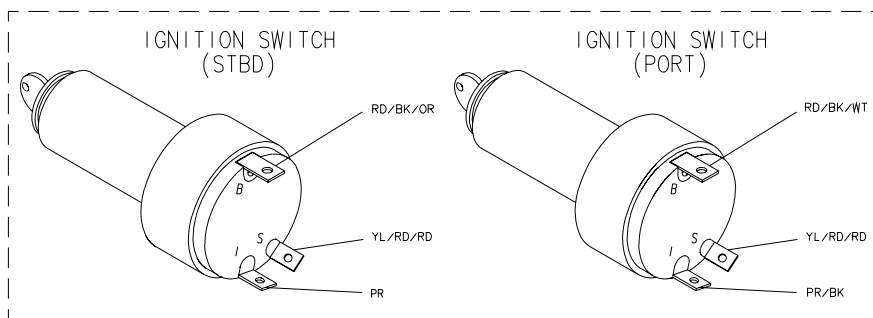
TITLE: HORN
MOD.: 292 FASTech
DR BY: SAJ 10B

LEGEND

GROUND

IGNITION SWITCH

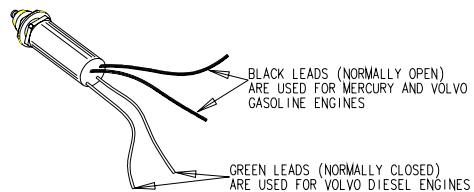
BREAKER PANEL



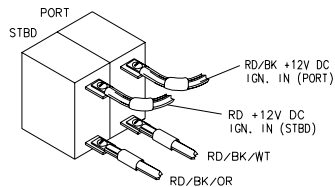
TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, TURN THE BATTERY SWITCHES TO "ON".
2. THIS WILL ALLOW BOTH THE FUME DETECTOR AND THE ENGINE BLOWERS TO OPERATE WHEN NEEDED.
3. LOCATED ON THE UNDER DASH BREAKER PANEL IGN. BREAKERS MUST BE PUSHED IN "CLOSED".
4. ENGINES ARE NOW READY TO BE STARTED BY TURNING THE IGNITION SWITCHES CLOCKWISE.

IGNITION SAFETY SHUT DOWN SWITCH

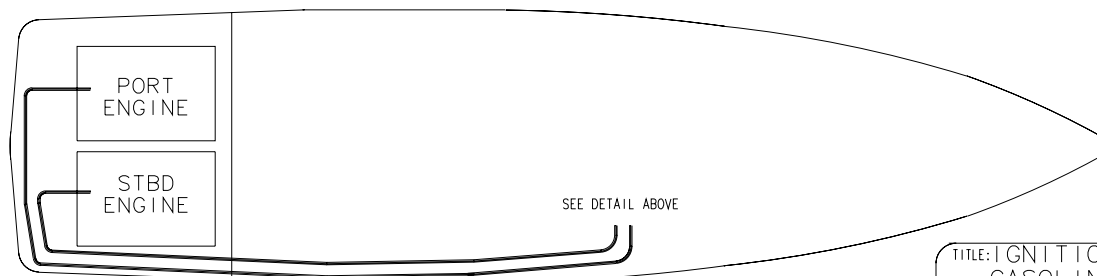
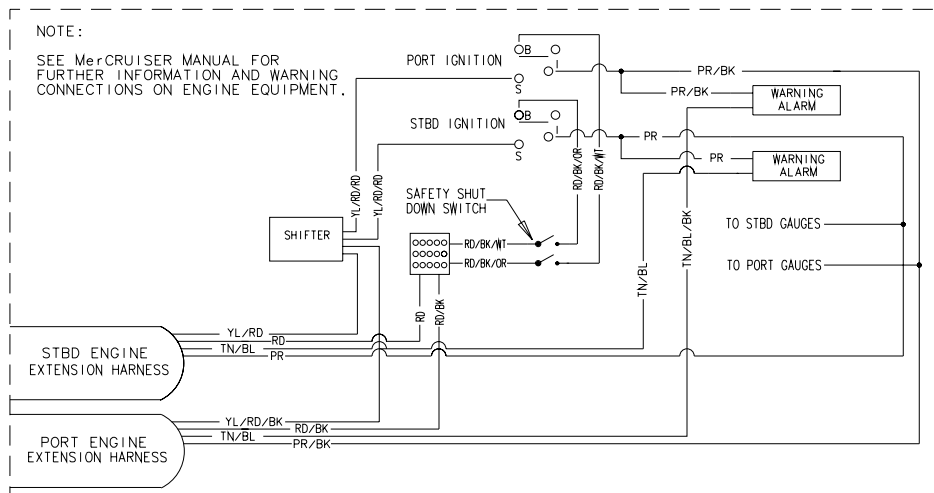


IGNITION BKRS 20A (DASH BKR PANEL) (REAR VIEW)



NOTE:

SEE MerCRUISER MANUAL FOR FURTHER INFORMATION AND WARNING CONNECTIONS ON ENGINE EQUIPMENT.



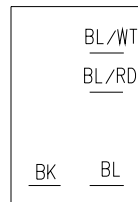
THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: IGNITION,
GASOLINE

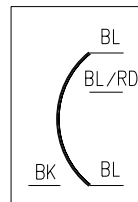
MOD.: 292 FASTech
DR BY: SAJ

11

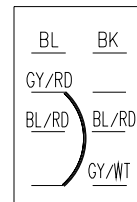
292 FASTech ACCESSORY PANEL (REAR VIEW)



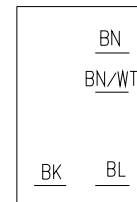
COURTESY
LIGHTS



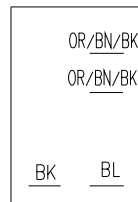
PANEL
LIGHTS



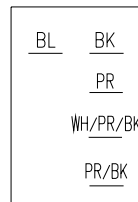
NAV/ANCH
LIGHT



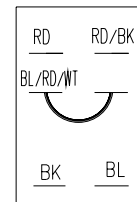
BILGE
PUMP



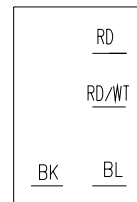
DEPTH
SOUNDER



VOLT



DOCKING
LIGHTS



EXHAUST

CODE	COLOR	STRIPE	STRIPE
BL	BLUE		
BL/RD	BLUE	RED	
BL/WT	BLUE	WHITE	
BL/WT/RD	BLUE	WHITE	RED
BK	BLACK		
BN	BROWN		
BN/WT	BROWN	WHITE	
GY/RD	GRAY	RED	
GY/WT	GRAY	WHITE	
OR/BN/BK	ORANGE	BROWN	BLACK
RD	RED		
RD/BK	RED	BLACK	
RD/WT	RED	WHITE	

PANEL #175086

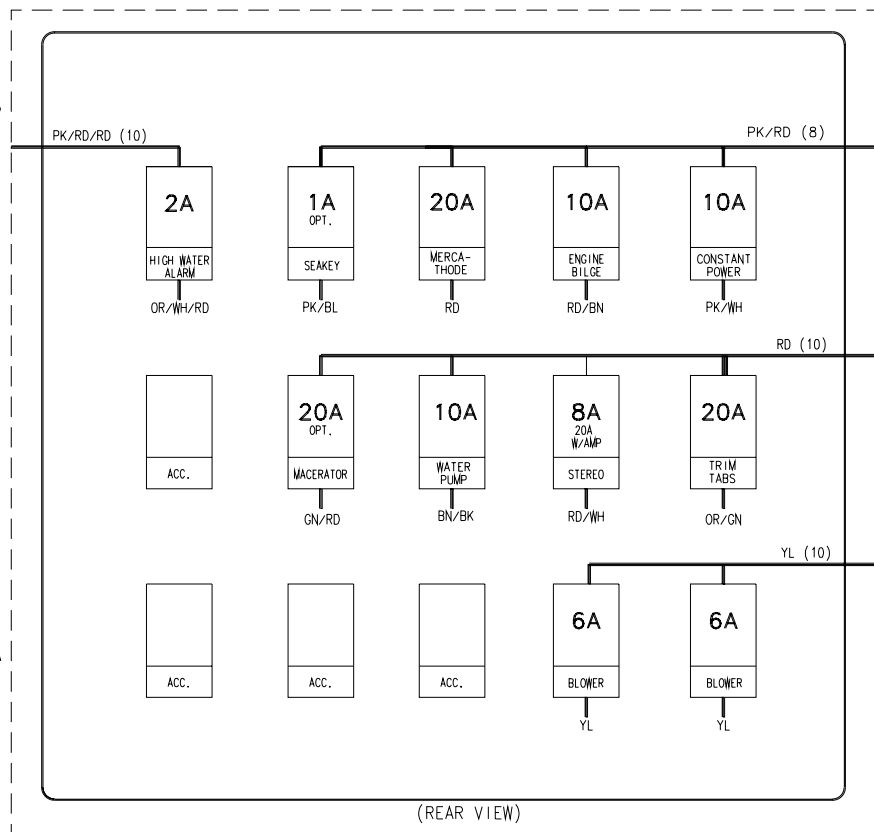
PIGTAIL #61316



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: ACCESSORY PANEL	
MOD.: 292 FASTech	12
DR BY: SAJ	

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



PANEL #185111

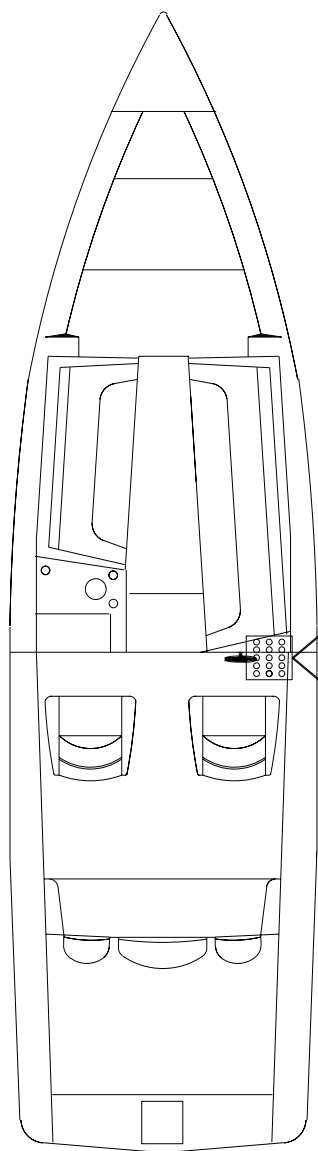
PIGTAIL #9108



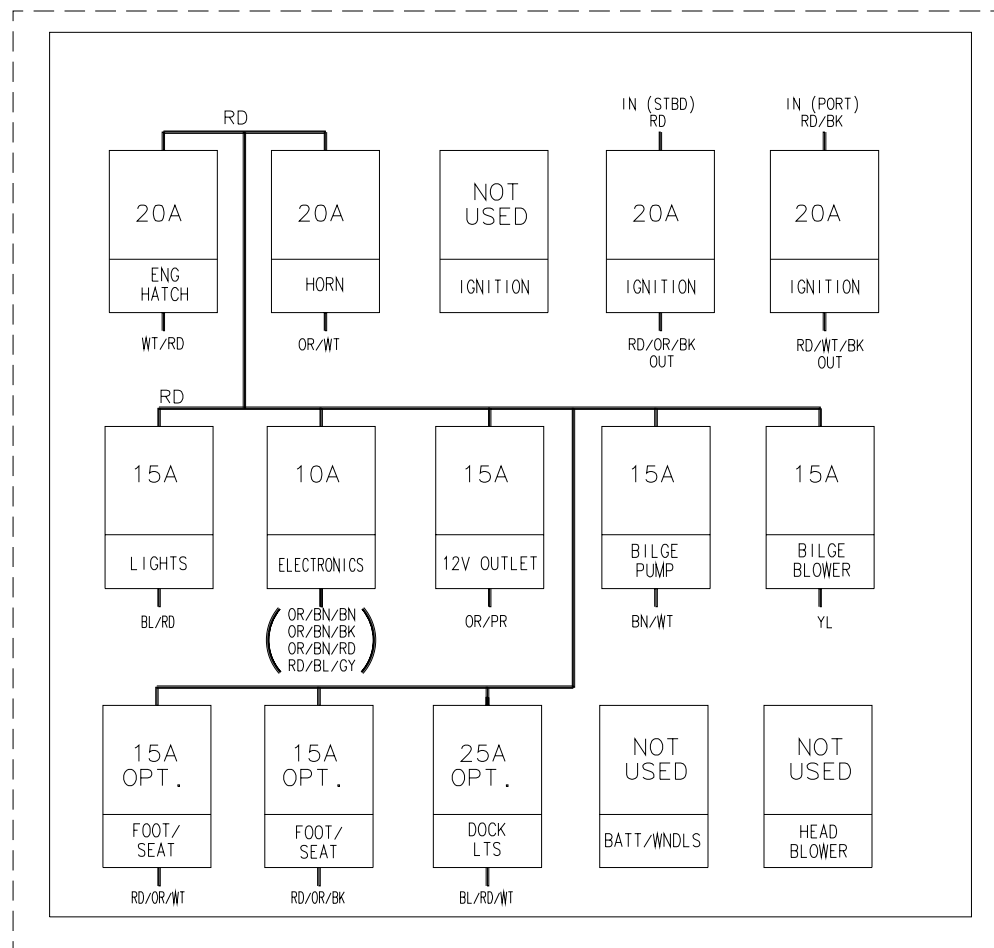
THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: AFT
BREAKER PANEL
MOD.: 292 FASTech
DR BY: SAJ

13



DASH BREAKER PANEL
(BELOW DASH STBD SIDE)



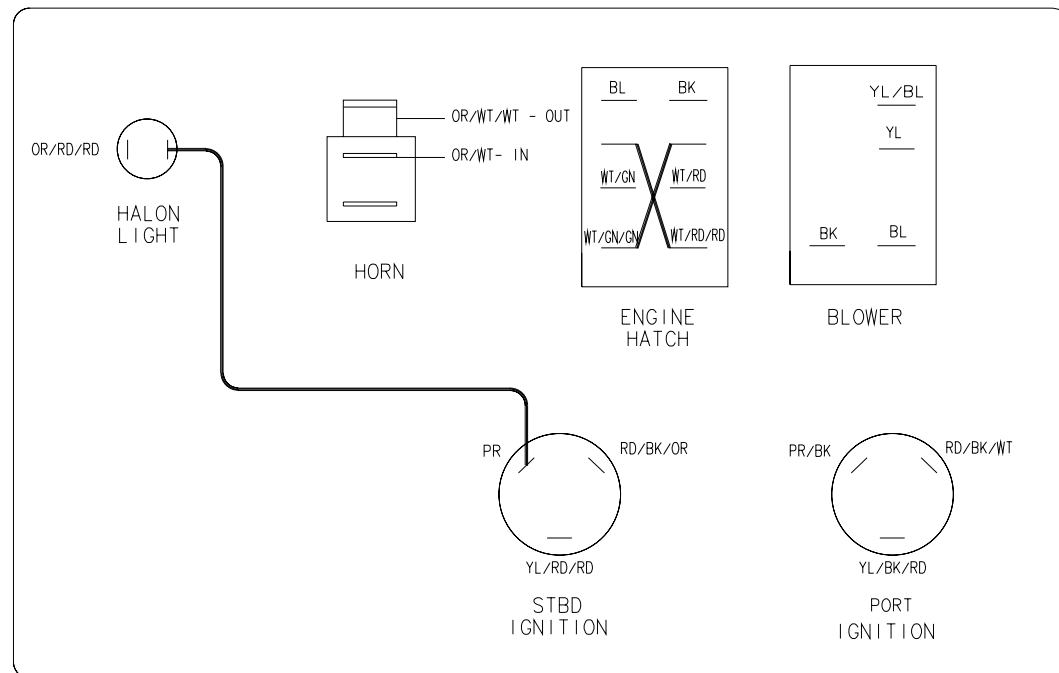
PANEL #64162

PIGTAIL #61320



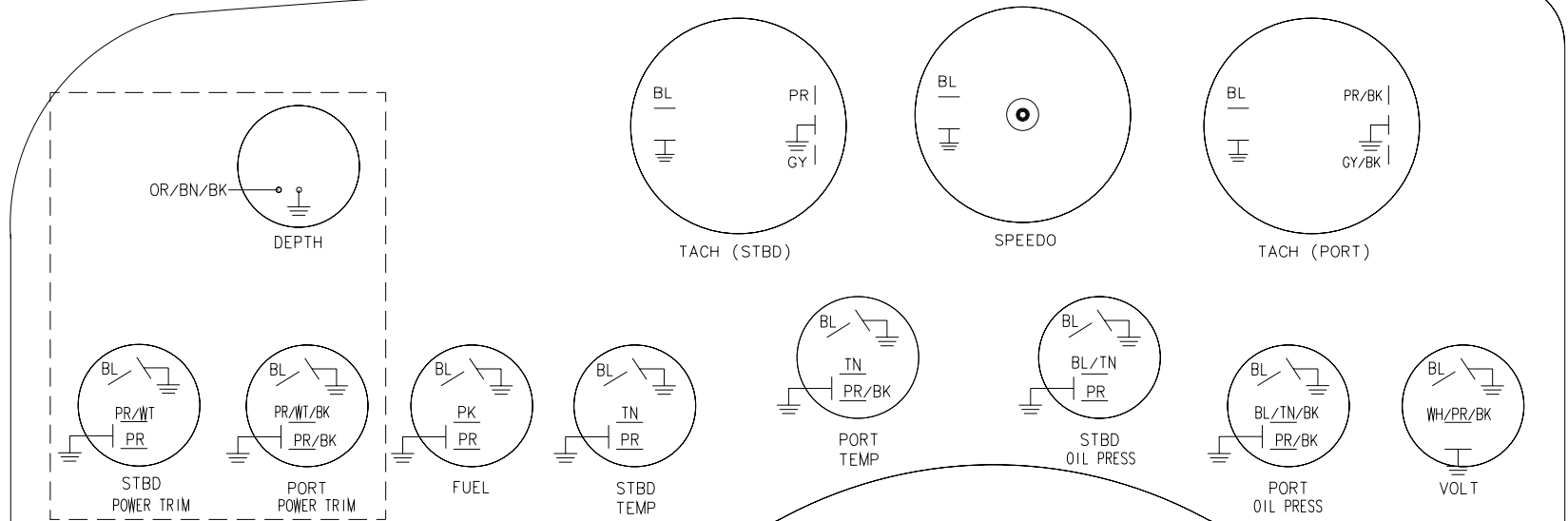
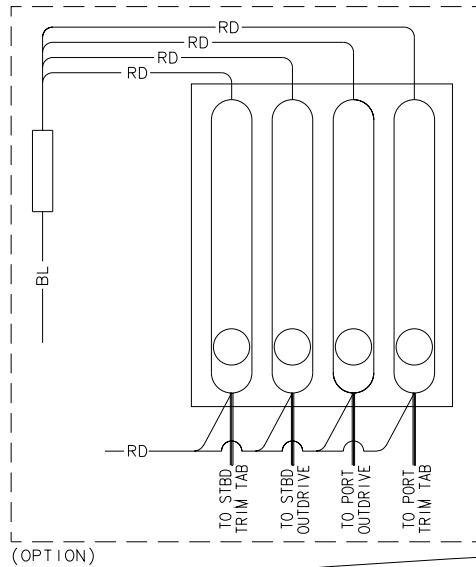
THUNDERBIRD
PRODUCTS
ENGINEERING

IGNITION PANEL 292 FASTech (REAR VIEW)



CODE	COLOR	STRIPE	STRIPE
BK	BLACK		
BL	BLUE		
OR/RD/RD	ORANGE	RED	RED
OR/WT	ORANGE	WHITE	
OR/WT/WT	ORANGE	WHITE	WHITE
PR	PURPLE		
PR/BK	PURPLE	BLACK	
RD/BK/OR	RED	BLACK	ORANGE
RD/BK/WT	RED	BLACK	WHITE
WT/GN	WHITE	GREEN	
WT/GN/GN	WHITE	GREEN	GREEN
WT/RD	WHITE	RED	
WT/RD/RD	WHITE	RED	RED
YL	YELLOW		
YL/BL	YELLOW	BLUE	
YL/BK/RD	YELLOW	BLACK	RED
YL/RD/RD	YELLOW	RED	RED

INSTRUMENT PANEL 292 FASTech (REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

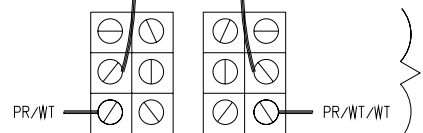
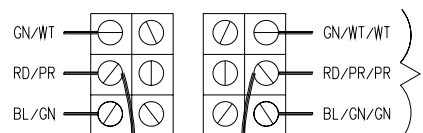
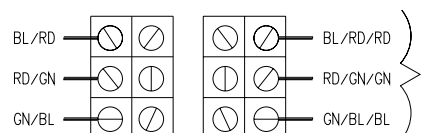
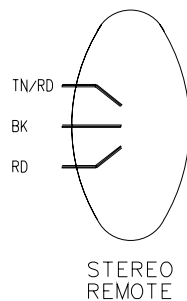
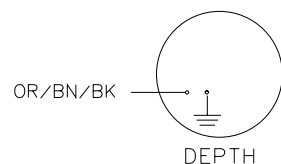
PANEL #175084
PIGTAIL #6704
3471 (2)

TITLE: MAIN INSTRUMENT PANEL	
MOD.: 292 FASTech	16
DR BY: SAJ	

INSTRUMENT SHIFTER PANEL

292 FASTech

(REAR VIEW)



CODE	COLOR	STRIPE	STRIPE
BK	BLACK		
BL/GN	BLUE	GREEN	
BL/GN/GN	BLUE	GREEN	GREEN
BL/RD	BLUE	RED	
BL/RD/RD	BLUE	RED	RED
GN/BL	GREEN	BLUE	
GN/BL/BL	GREEN	BLUE	BLUE
GN/WT	GREEN	WHITE	
GN/WT/WT	GREEN	WHITE	WHITE
PR/WT	PURPLE	WHITE	
PR/WT/WT	PURPLE	WHITE	WHITE
RD	RED		
RD/GN	RED	GREEN	
RD/GN/GN	RED	GREEN	GREEN
RD/PR	RED	PURPLE	
RD/PR/PR	RED	PURPLE	PURPLE
TN/RD	TAN	RED	



THUNDERBIRD
PRODUCTS
ENGINEERING

PANEL #122401
PIGTAIL #122465

TITLE: INSTRUMENT
SHIFTER PANEL
MOD.: 292 FASTech
DR BY: SAJ

17

LEGEND

GROUND



SWITCH



BREAKER



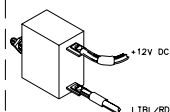
PLUG



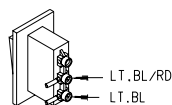
LIGHT



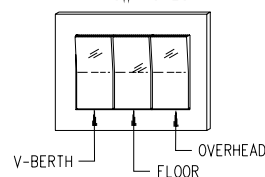
LIGHTS BKR 15A
(DASH BKR PANEL)
(REAR VIEW)



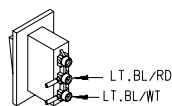
LIGHT SWITCH,
FLOOR



MAIN CABIN LIGHT
SWITCHES



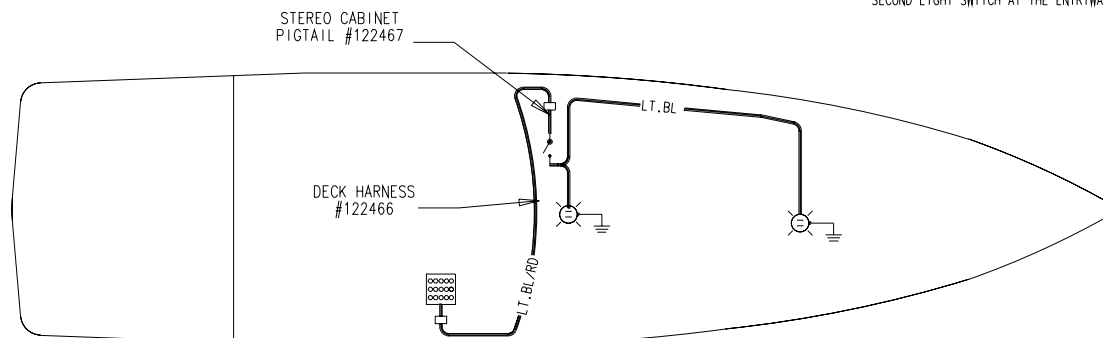
LIGHT SWITCH,
CABIN



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE FLOOR LIGHTS CAN NOW BE OPERATED BY THE SECOND LIGHT SWITCH AT THE ENTRYWAY.



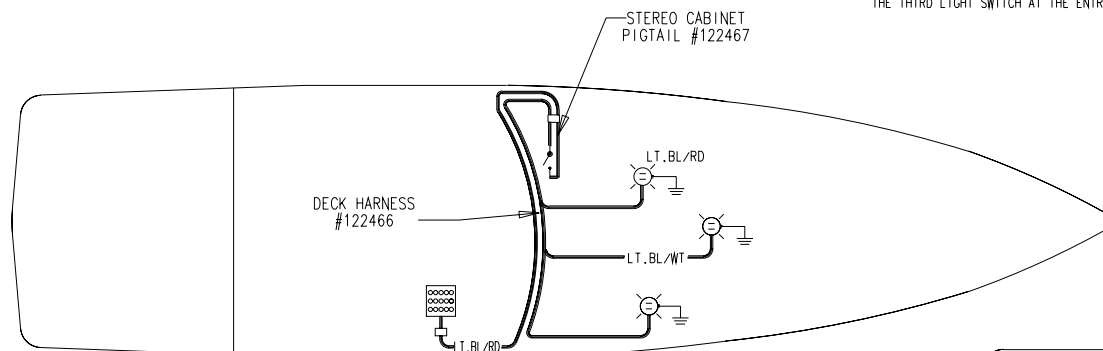
TITLE: LIGHTS,
FLOOR

MOD.: 292 FASTech
DR BY: SAJ

18A

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE OVERHEAD LIGHTS CAN NOW BE OPERATED BY THE THIRD LIGHT SWITCH AT THE ENTRYWAY.




TITLE: LIGHTS,
OVERHEAD

MOD.: 292 FASTech
DR BY: SAJ

18B

LEGEND

GROUND 

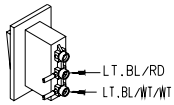
SWITCH 

DASH BREAKER 

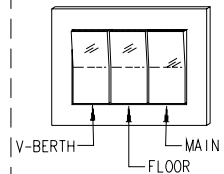
PLUG 

LIGHT 

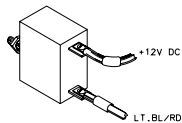
LIGHT SWITCH,
V-BERTH



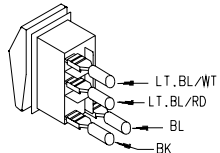
ENTRY WAY
SWITCHES



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



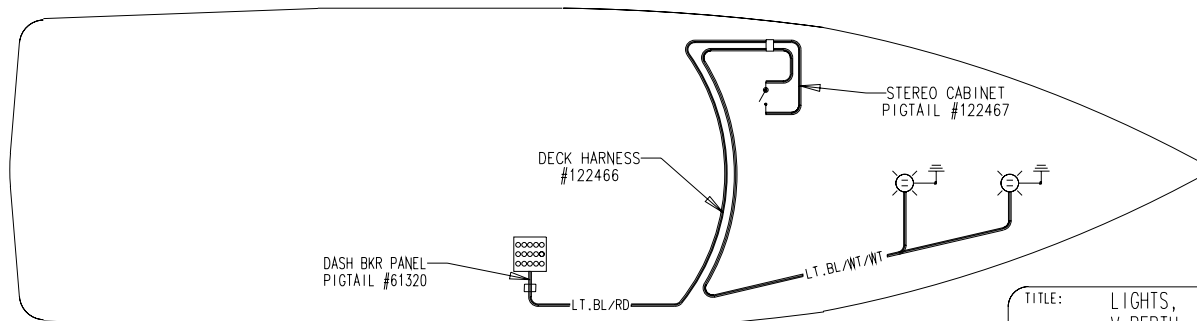
COURTESY
COCKPIT



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE HEAD LIGHTS CAN NOW BE OPERATED BY THE FIRST LIGHT SWITCH IN THE HEAD.



TITLE: LIGHTS,
V-BERTH

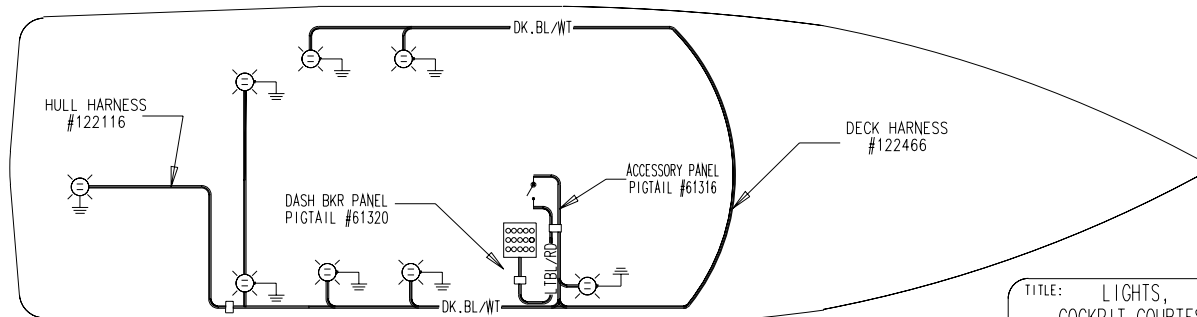
MOD.: 292 FASTech

DR BY: SAJ

19A

TO OPERATE:

1. LOCATED UNDER THE COCKPIT AFT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE COURTESY LIGHTS CAN NOW BE OPERATED BY THE "COURT LTS" SWITCH ON THE ACCESSORY PANEL.



TITLE: LIGHTS,
COCKPIT COURTESY


MOD.: 292 FASTech

DR BY: SAJ

19B

LEGEND

GROUND 

SWITCH 

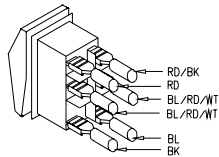
BREAKER 

PLUG 

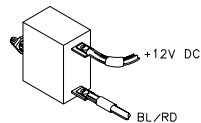
LIGHT 

DPDT SWITCH 

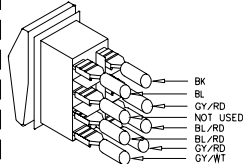
LIGHT SWITCH,
DOCKING



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



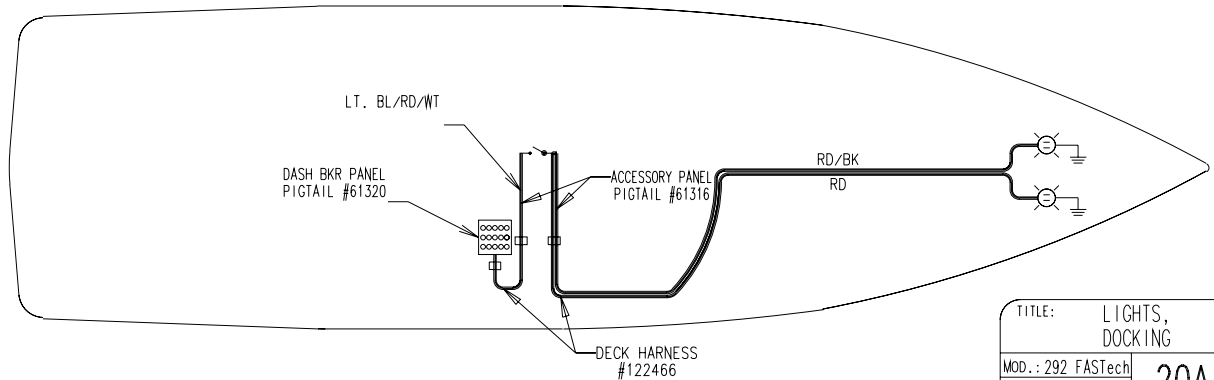
LIGHT SWITCH,
NAV/ANCH



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

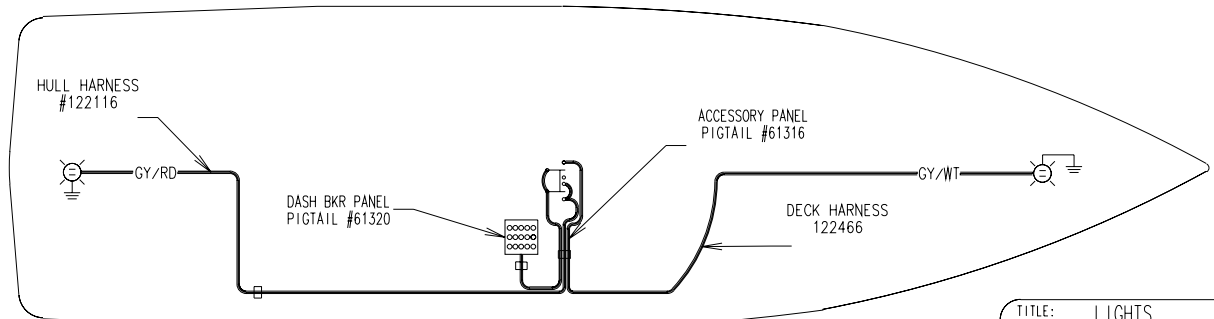
1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE DOCKING LIGHTS CAN NOW BE OPERATED BY THE "DOCK LTS" SWITCH ON THE ACCESSORY PANEL.



TITLE: LIGHTS,
DOCKING
MOD.: 292 FASTech
DR BY: SAJ 20A

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "LIGHTS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE NAV/ANCH LIGHTS CAN NOW BE OPERATED BY THE "NAV/ANCH" SWITCH ON THE ACCESSORY PANEL.



TITLE: LIGHTS,
NAVIGATION/ANCHOR
MOD.: 292 FASTech
DR BY: SAJ 20B

LEGEND

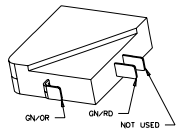
GROUND

SWITCH

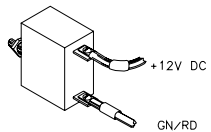
DASH BREAKER

PLUG

MACERATOR SWITCH
(LOCATED NEXT TO
HEAD UNIT)
(REAR VIEW)



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

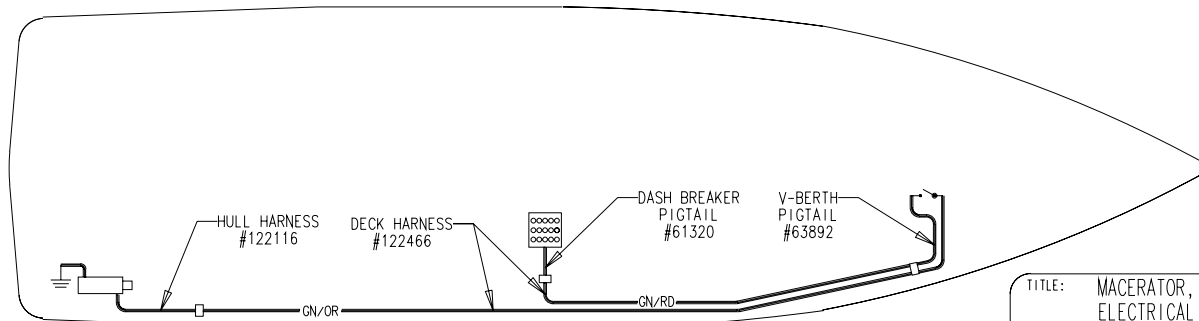


CAUTION!!

FOLLOW LOCAL, STATE, AND FEDERAL
GUIDELINES FOR WASTE DISCHARGE.

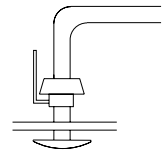
TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE AFT BREAKER PANEL, THE "MACERATOR" BREAKER MUST BE PUSHED IN (CLOSED).
3. IN THE ENGINE BILGE, PLACE THE Y-VALVE IN THE "DISCHARGE" POSITION.
4. IN THE V-BERTH NEXT TO THE HEAD, PRESS AND HOLD THE MACERATOR BUTTON.

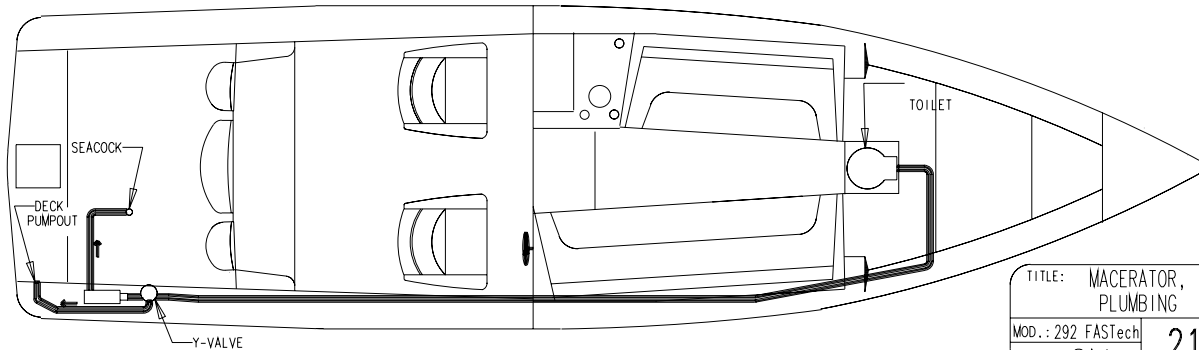
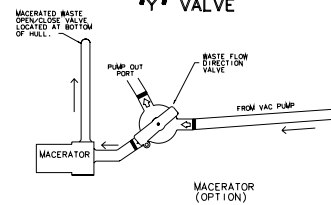


TITLE: MACERATOR,
ELECTRICAL
MOD.: 292 FASTech
DR BY: SAJ 21A

SEACOCK THROUGH HULL



Y VALVE




TITLE: MACERATOR,
PLUMBING
MOD.: 292 FASTech
DR BY: SAJ 21B



THUNDERBIRD
PRODUCTS
ENGINEERING

LEGEND

PLUG 

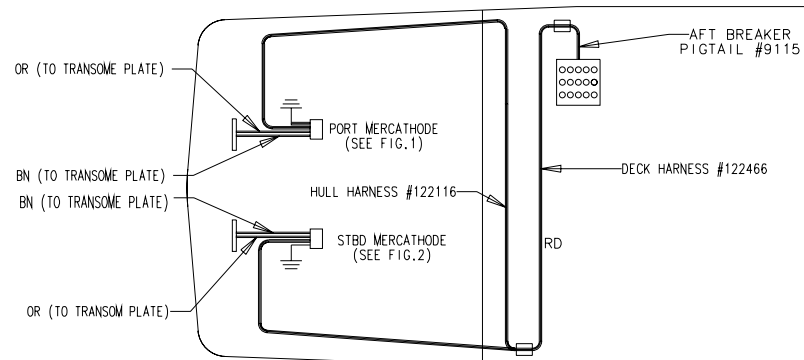
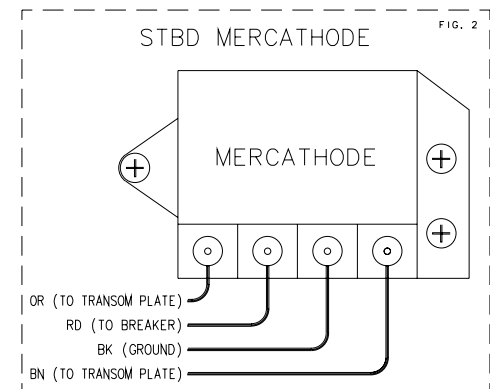
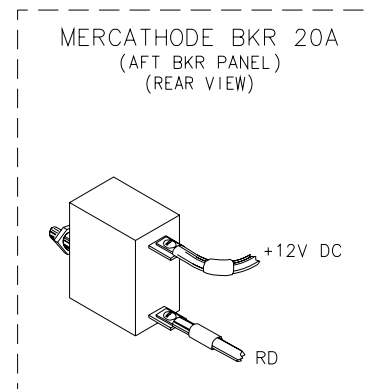
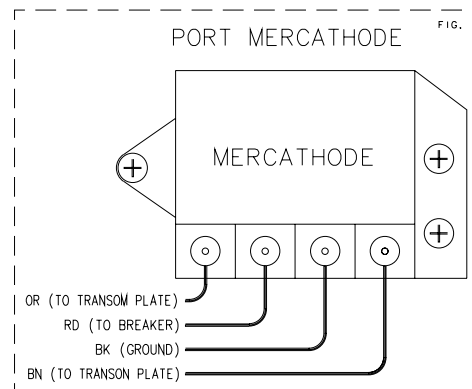
BREAKER
PANEL 

DC GROUND 

TO OPERATE:

1. ON THE AFT BREAKER PANEL, THE "MERC." BREAKER MUST BE PUSHED IN (CLOSED).
2. THE MERCATHODE IS NOW SUPPLIED WITH POWER AND SHOULD BE OPERATING.

NOTE: THE MERCATHODE ONLY OPERATES WHEN THE BOAT IS ON WATER.



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: MERCATHODE

MOD.: 292 FASTech
DR BY: SAJ

22

LEGEND

GROUND



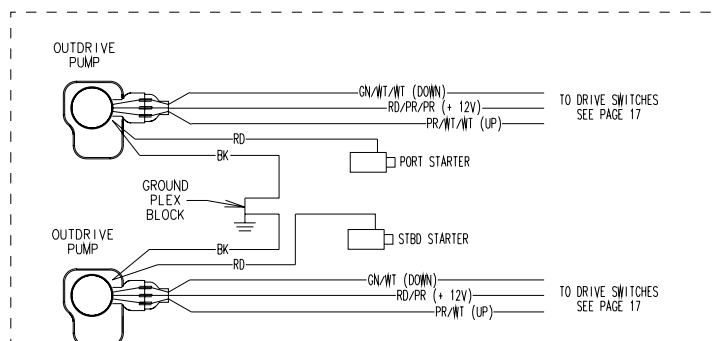
BREAKER
PANEL



PLUG

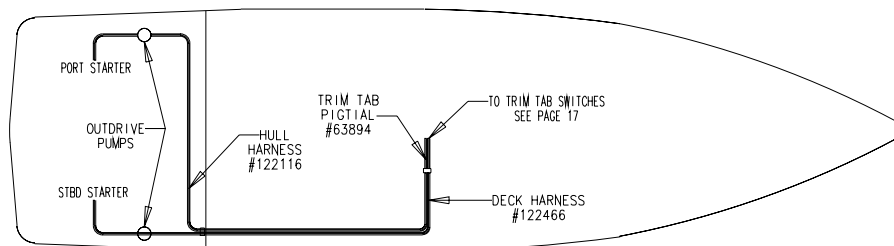


BATTERY



TO OPERATE:

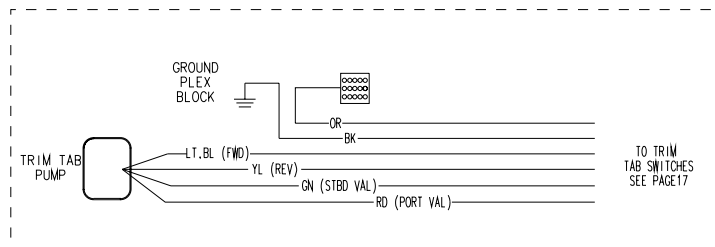
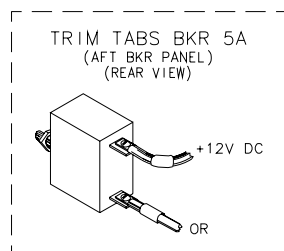
1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT AND STBD BATTERY SWITCH TO "ON".
3. THE OUTDRIVES ARE CONNECTED DIRECTLY TO THE STARTER LUGS AND NOW OPERATIONAL.



TITLE: OUTDRIVES

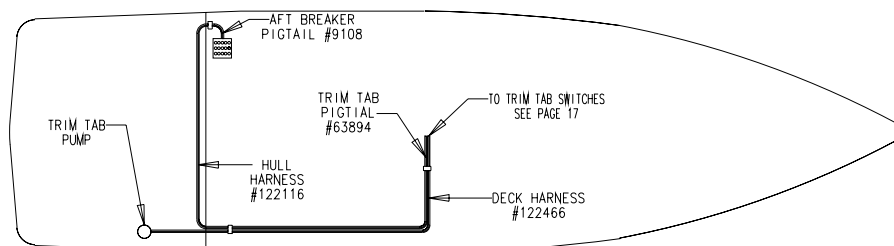
MOD.: 292 FASTech
DR BY: SAJ

23A



TO OPERATE:

1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
2. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
3. ON THE AFT BREAKER PANEL THE "TRIM TABS" BREAKERS MUST BE PUSHED IN (CLOSED).
4. THE TRIM TABS CAN NOW BE OPERATED BY THE TRIM TAB SWITCHES ON THE SHIFTER PANEL.



TITLE: TRIM TABS

MOD.: 292 FASTech
DR BY: SAJ

23B



THUNDERBIRD
PRODUCTS
ENGINEERING

LEGEND

BREAKER
SWITCH



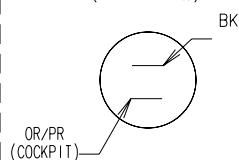
DC GROUND



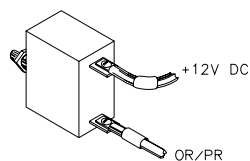
BREAKER
PANEL



12V DC OUTLET
(REAR VIEW)



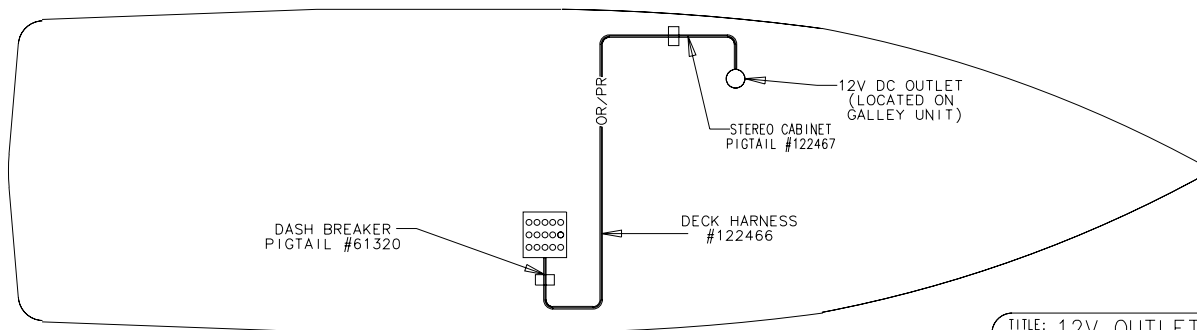
12V OUTLET BKR 15A
(DASH BKR PANEL)
(REAR VIEW)



THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "12 VOLT OUTLET" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE 12V DC OUTLET IS SUPPLIED WITH POWER AND READY TO OPERATE.

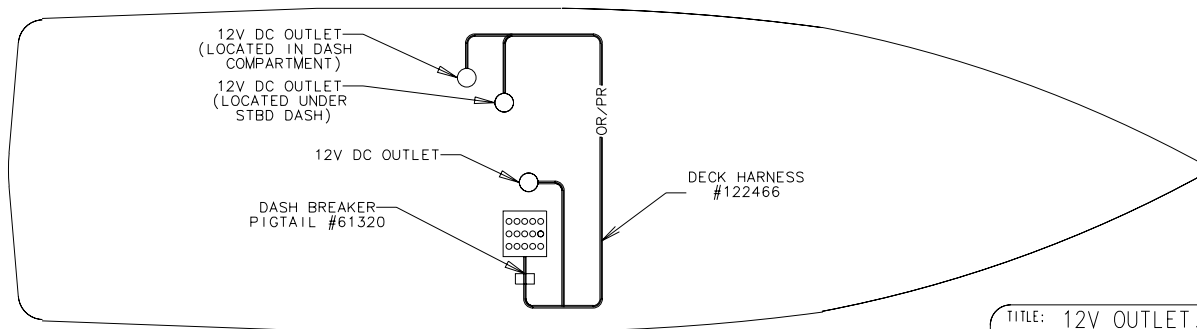


TITLE: 12V OUTLET,
CABIN
MOD.: 292 FASTech
DR BY: SAJ

24A

TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "12 VOLT OUTLET" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE 12V DC OUTLETS ARE SUPPLIED WITH POWER AND READY TO OPERATE.



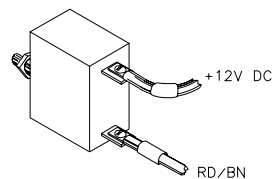
TITLE: 12V OUTLET,
COCKPIT
MOD.: 292 FASTech
DR BY: SAJ

24B

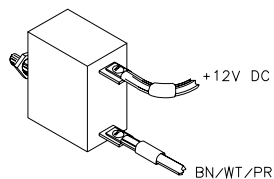
LEGEND

BREAKER PANEL	
FLOAT SWITCH	
SWITCH	
PUMP	
PLUG	
DC GROUND	

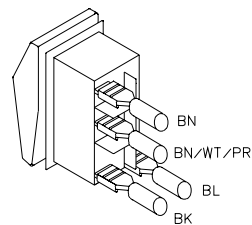
ENGINE BILGE PUMP 10A
(AFT BKR PANEL)
(REAR VIEW)



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



BILGE PUMP SWITCH
(ACCESSORY PANEL)
(REAR VIEW)



TO OPERATE:

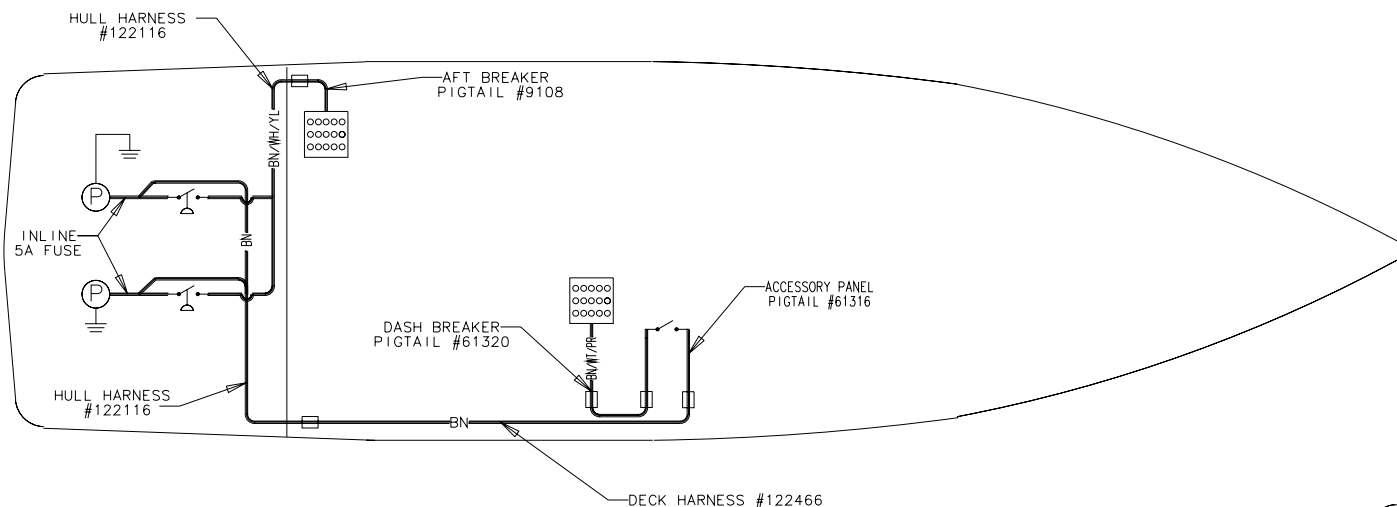
1. ON THE AFT BREAKER PANEL, THE "ENGINE BILGE" BREAKER MUST BE PUSHED IN (CLOSED).
2. THE ENGINE BILGE PUMP IS NOW SUPPLIED WITH POWER AND OPERATIONAL.

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 TURNING THE PORT BATTERY SWITCH TO "OFF".

TO OPERATE MANUALLY:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT 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

TITLE: BILGE PUMPS, ENGINE	
MOD.: 292 FASTech	25
DR BY: SAJ	

LEGEND

ACCUMULATOR (A)

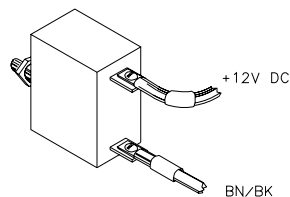
BREAKER
PANEL

DC GROUND

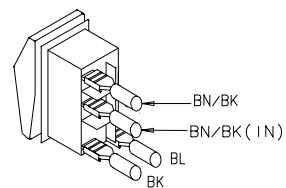
PUMP (P)

PLUG

WATER PUMP BKR 5A
(DASH BKR PANEL)
(REAR VIEW)



WATER PUMP SWITCH
(REAR VIEW)



 THUNDERBIRD
PRODUCTS
ENGINEERING

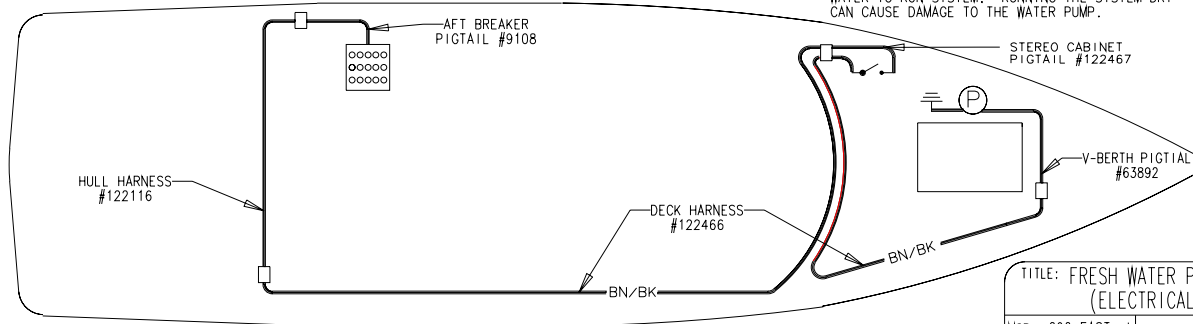
TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE AFT BREAKER PANEL, THE "WATER PUMP" BREAKER MUST BE PUSHED IN (CLOSED).
3. 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.

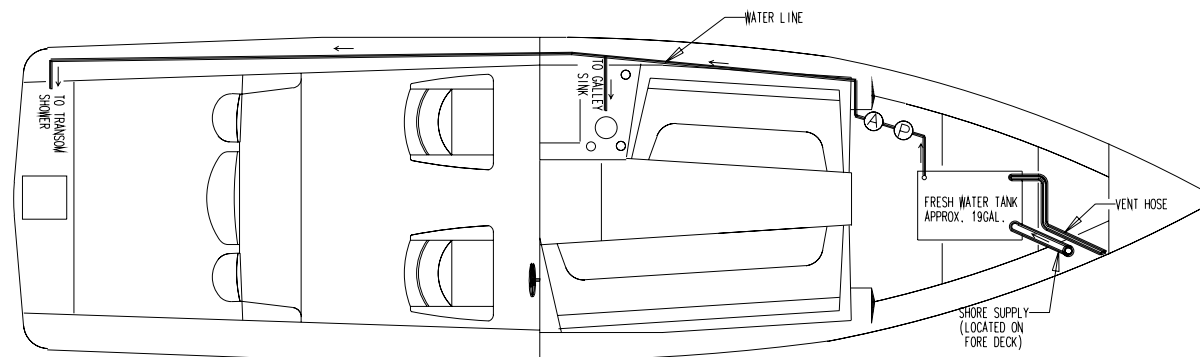


TITLE: FRESH WATER PUMP
(ELECTRICAL)

MOD.: 292 FASTech

DR BY: SAJ

26A



TITLE: FRESH WATER PUMP
(PLUMBING)

MOD.: 292 FASTech

DR BY: SAJ

26B

LEGEND

GROUND



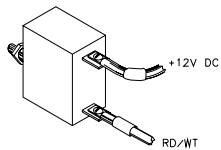
BREAKER
PANEL



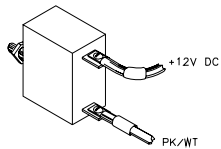
SPEAKER



STEREO BKR 8A
(20A W/AMPLIFIERS)
(AFT BKR PANEL)
(REAR VIEW)



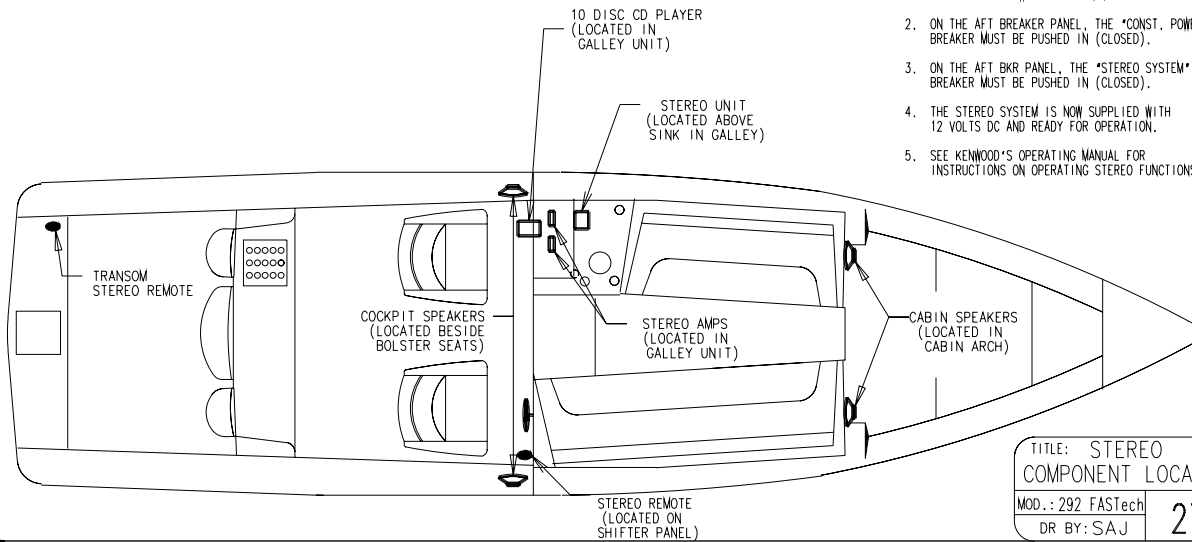
CONST. PWR BKR 10A
(AFT BKR PANEL)
(REAR VIEW)



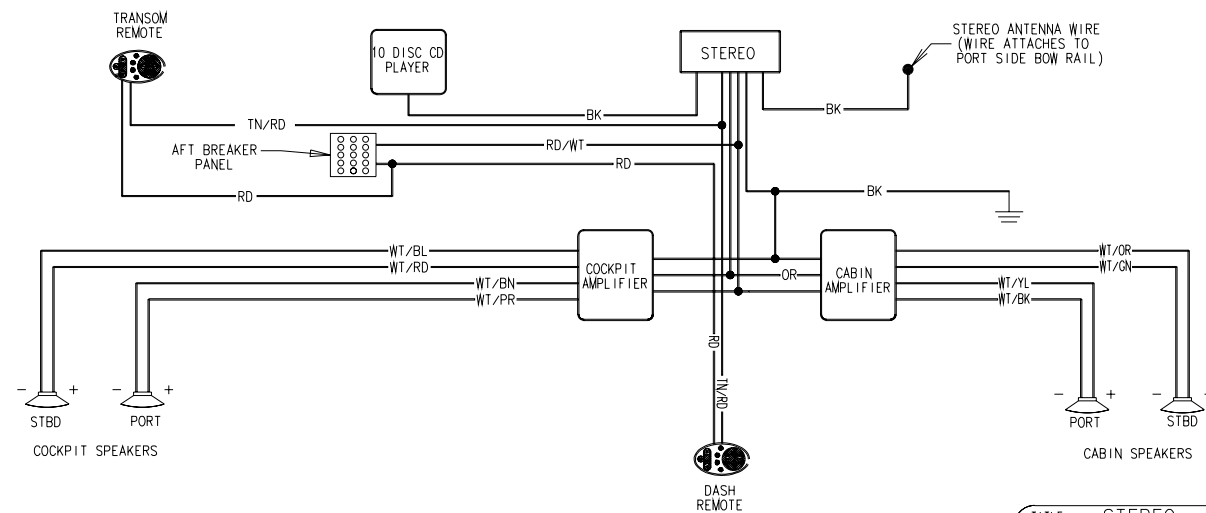
 THUNDERBIRD
PRODUCTS
ENGINEERING

TO OPERATE:

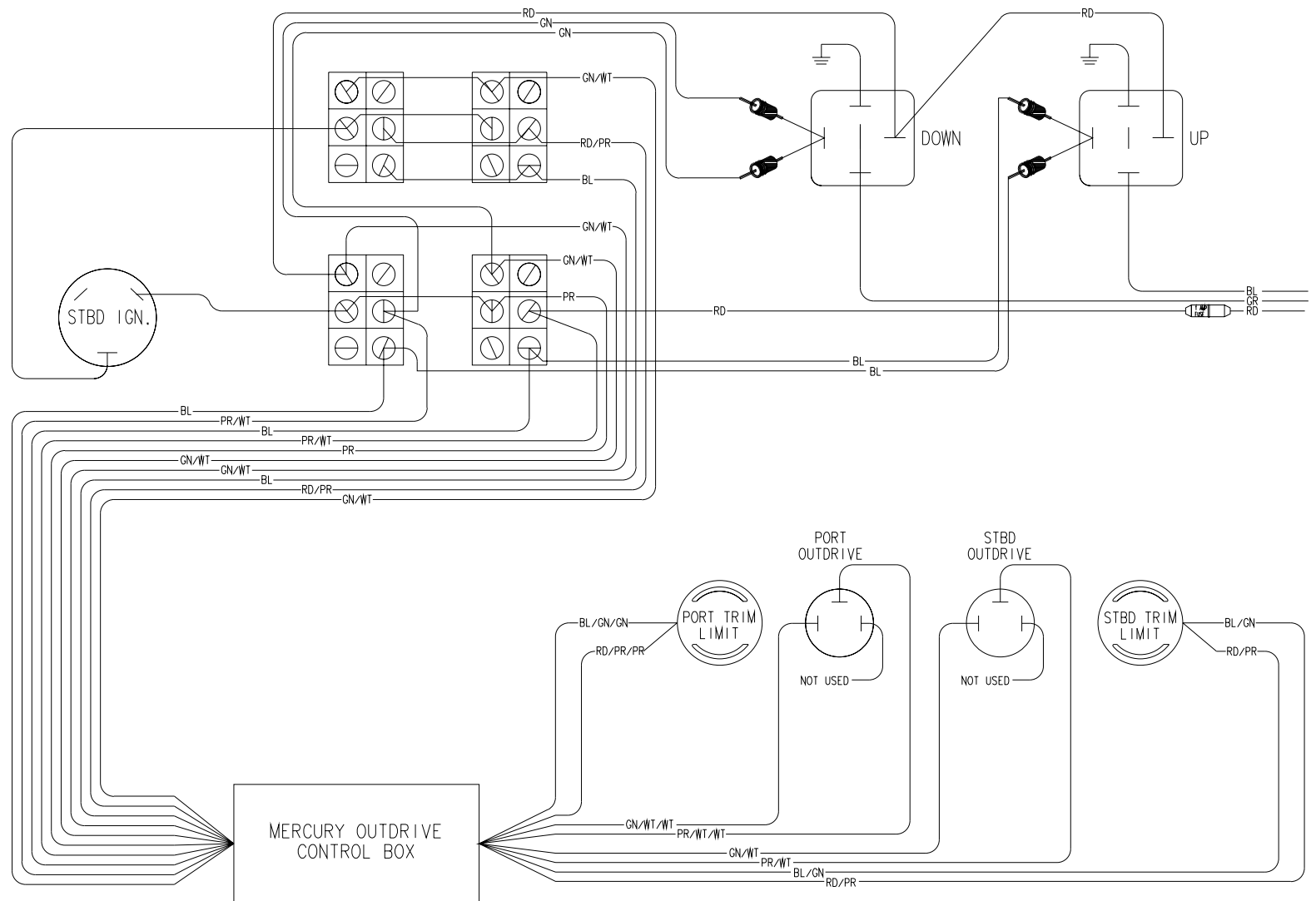
1. LOCATED UNDER COCKPIT FLIP UP SEAT, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE AFT BREAKER PANEL, THE "CONST. POWER" BREAKER MUST BE PUSHED IN (CLOSED).
3. ON THE AFT BKR PANEL, THE "STEREO SYSTEM" BREAKER MUST BE PUSHED IN (CLOSED).
4. THE STEREO SYSTEM IS NOW SUPPLIED WITH 12 VOLTS DC AND READY FOR OPERATION.
5. SEE KENWOOD'S OPERATING MANUAL FOR INSTRUCTIONS ON OPERATING STEREO FUNCTIONS.



TITLE: STEREO
COMPONENT LOCATION
MOD.: 292 FASTech
DR BY: SAJ 27A



TITLE: STEREO,
COMPLETE WIRING
MOD.: 292 FASTech
DR BY: SAJ 27B



THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: TRIM SYSTEM MERC 5.7 ONLY	
MOD.: 292 FASTech	28
DR BY: SAJ	

LEGEND

BREAKER
PANEL



PLUG



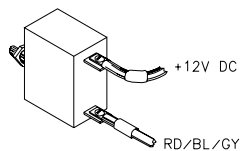
DC GROUND



BREAKER
SWITCH

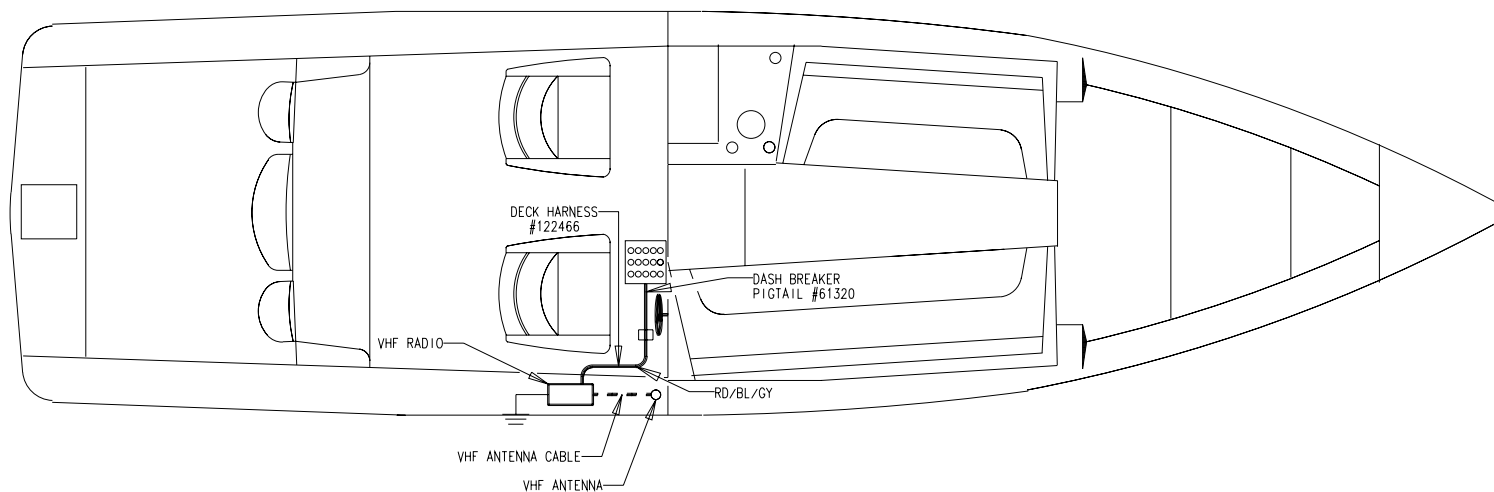


ELECTRONICS BKR 10A
(DASH BKR PANEL)
(REAR VIEW)



TO OPERATE:

1. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE, TURN THE PORT BATTERY SWITCH TO "ON".
2. ON THE DASH BREAKER PANEL, THE "ELECTRONICS" BREAKER MUST BE PUSHED IN (CLOSED).
3. THE VHF RADIO IS NOW SUPPLIED WITH POWER AND READY TO OPERATE.
4. SEE THE VHF RADIO OPERATOR'S MANUAL FOR FURTHER INSTRUCTIONS ON OPERATING RADIO FUNCTIONS.



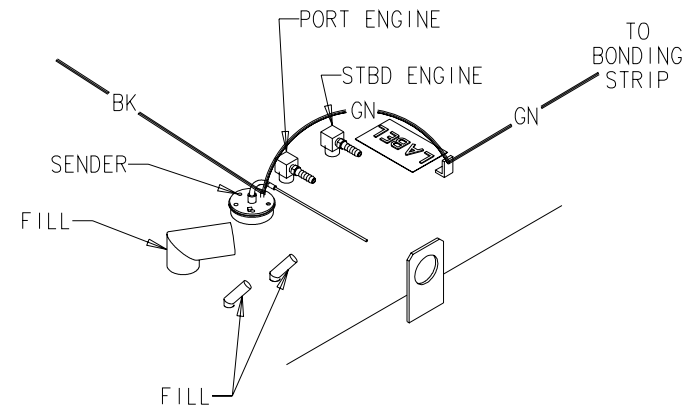
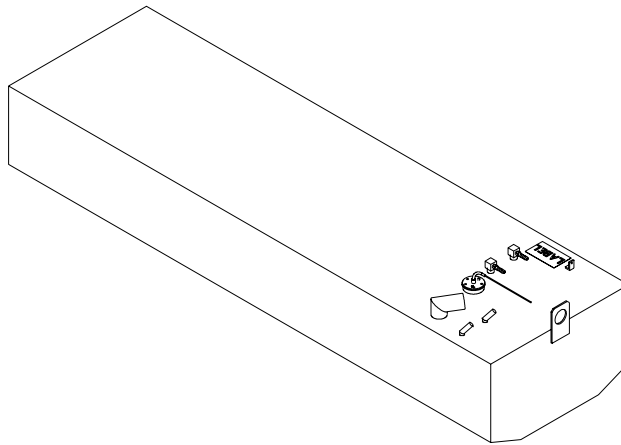
THUNDERBIRD
PRODUCTS
ENGINEERING

TITLE: VHF RADIO

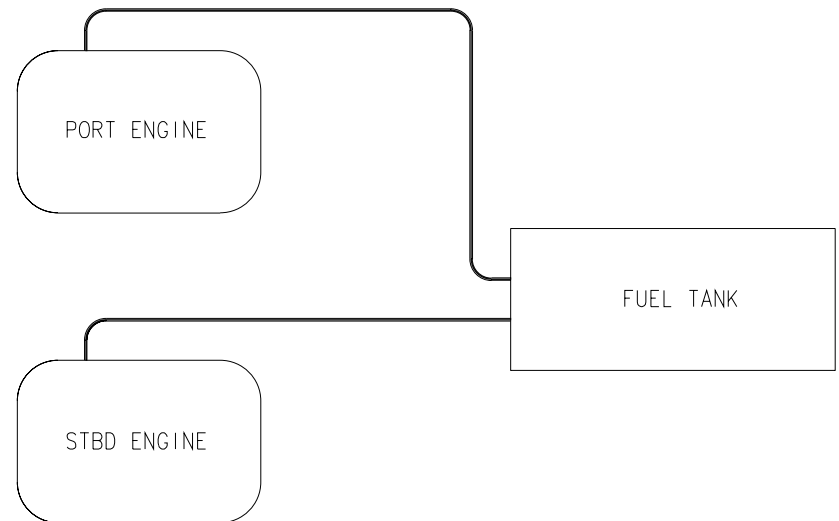
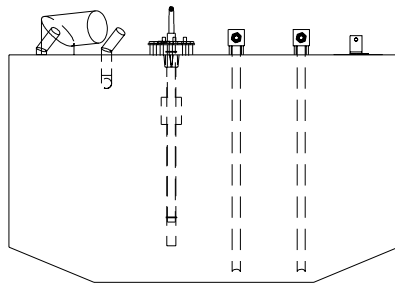
MOD.: 292 FASTech
DR BY: SAJ

29

115 GAL FUEL TANK



FUEL TANK PICKUP LINES



THUNDERBIRD
PRODUCTS
ENGINEERING

NOTE:
ALL BONDING WIRES ARE LIGHT GREEN
ALL GROUND WIRES ARE BLACK

