271 FASTech SYSTEMS DIAGRAMS TABLE OF CONTENTS

DC CIRCUITS	DC CIRCUITS
ALARM, HIGH WATER	PANELS ACCESSORY. 21 AFT BREAKER. 22 DASH BREAKER. 23 IGNITION. 24 MAIN INSTRUMENT 25 OUTBOARD INSTRUMENT 26 SHIFTER INSTRUMENT 27
CO SENSOR	PUMPS FRESHWATER ELECTRICAL 28A PLUMBING 28B BILGE 29 OUTDRIVE 30 STEREO COMPONENT LOCATION 31A COMPONENT WIRING 31B TRIM TABS 32 VHF RADIO 33 12V OUTLETS 34A CABIN 34B
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WIRE COLORS AND ABBREVIATIONS

BL ACK -----BK -----BI BI UF BROWN ----GY GRAY GREEN ----GN ORANGE ----OR PINK PURPI F ----PR RFD TAN ----TN WHITE ----WH YELLOW ----YI

COMMON COLOR CODES

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.

[BL/RD/RD]						
CODE	COLOR	STRIPE	STRIPE			
BK	BLACK					
BL/RD/RD	BLUE	RED	RED			
BN/WH/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/WH/WH	PURPLE	WHITE	WHITE			
RD/PK	RED	PINK				
TN/RD	TAN	RED				
WH/PR	WHITE	PURPLE				
YL	YELLOW					



271 FASTech HARNESS AND PIGTAIL #'S

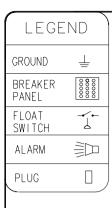
12V HARNESSES

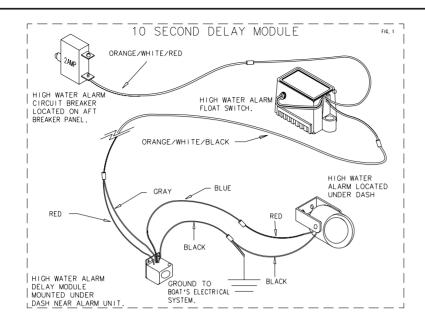
DECK	HARNESS.												9	1 (96)
HULL	HARNESS.												9	1	1()

12V PIGTAILS

ACCESSORY PANEL	 9122
AFT BREAKER PANEL	 9108
DASH BREAKER PANEL	 101884
DASH GAUGES	 2693
ENGINE EXTENTION	 6157
IGNITION	 9121
INSTRUMENT PANEL	 .62237
TRIM TAB	 6570
STEREO CABINET	 .62758







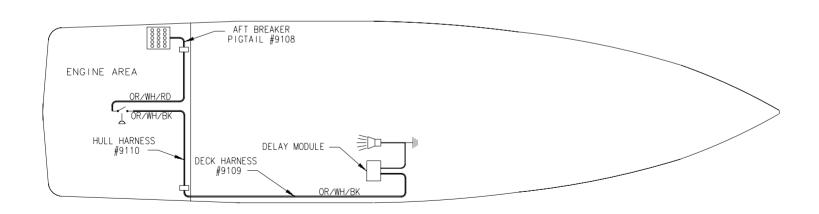
NOTF:

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.

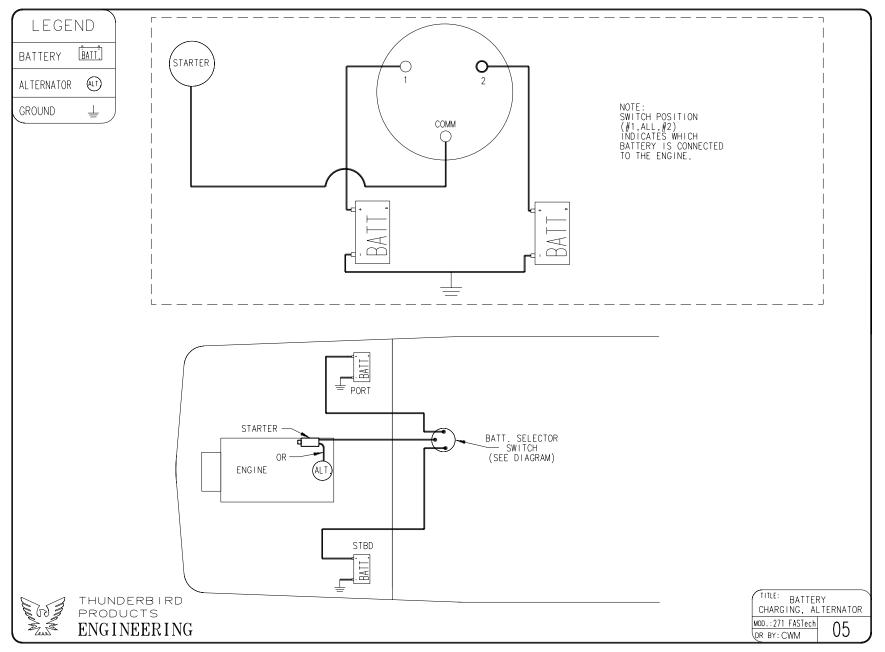
WHEN ALARM SOUNDS:

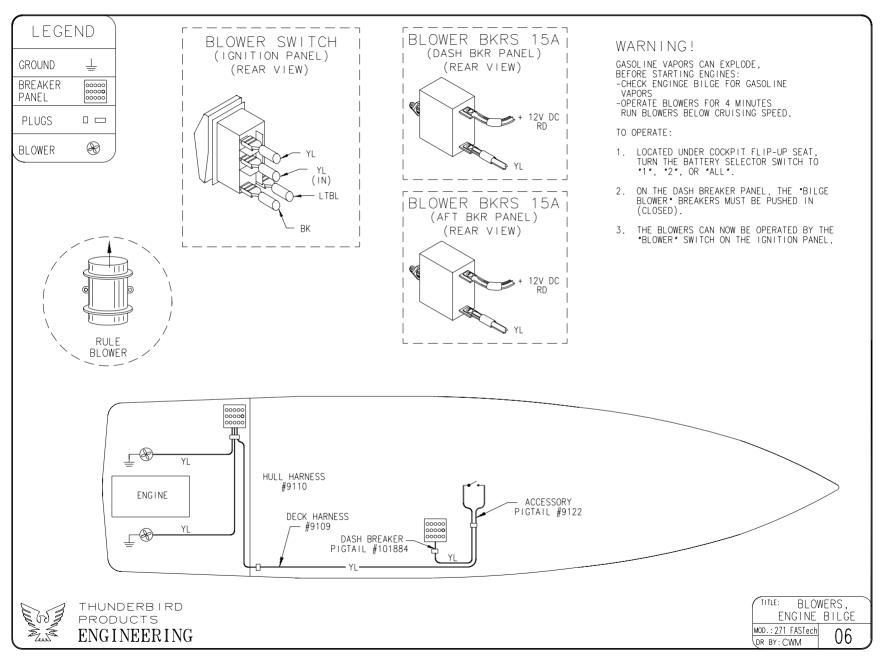
- CHECK ENGINE ROOM AND CABIN FOR HIGH WATER.
- 2. CHECK BILGE PUMPS TO SEE IF THEY ARE FUNCTIONING PROPERLY.
- CONSULT MARINA'S SERVICE DEPARTMENT OR CALL FORMULA'S TECHNICAL ASSISTANCE GROUP.



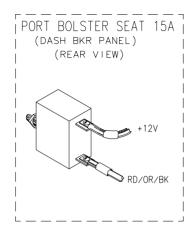


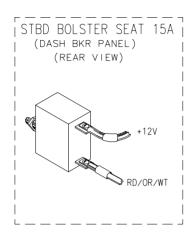
HIGH WATER



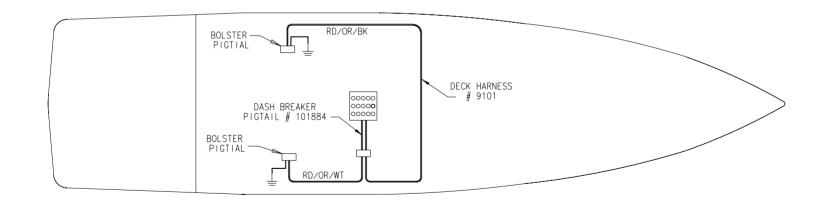








- LOCATED UNDER COCKPIT AFT FLIP UP SEAT, TURN THE BATTERY SWITCH TO "ON".
- 2. ON DASH BREAKER PANEL, THE "FOOT/SEAT" BREAKERS MUST BE PUSHED IN (CLOSED).
- 3. THE BOLSTER SEAT AND FOOT REST CAN NOW BE RAISED AND LOWERED BY THE SWITCHES, LOCATED ON EACH SEAT'S ARM REST.



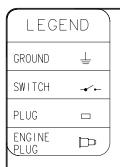


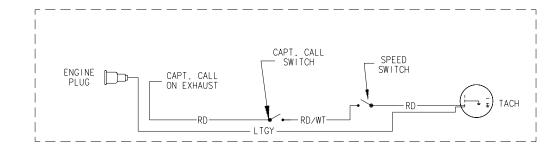
THUNDERBIRD PRODUCTS ENGINEERING

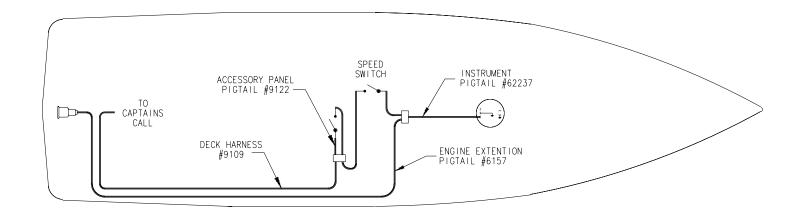
TITLE: BOLSTER SEATS

MOD.:271 FASTech DR BY: CWM

U







- LOCATED UNDER THE COCKPIT FLIP-UP SEAT, TURN THE BATTERY SWITCH TO "ON".
- THE CAPTIAN'S CALL CAN BE OPERATED BY "EXHAUST" SWITCH LOCATED ON THE ACCESSORY PANEL.

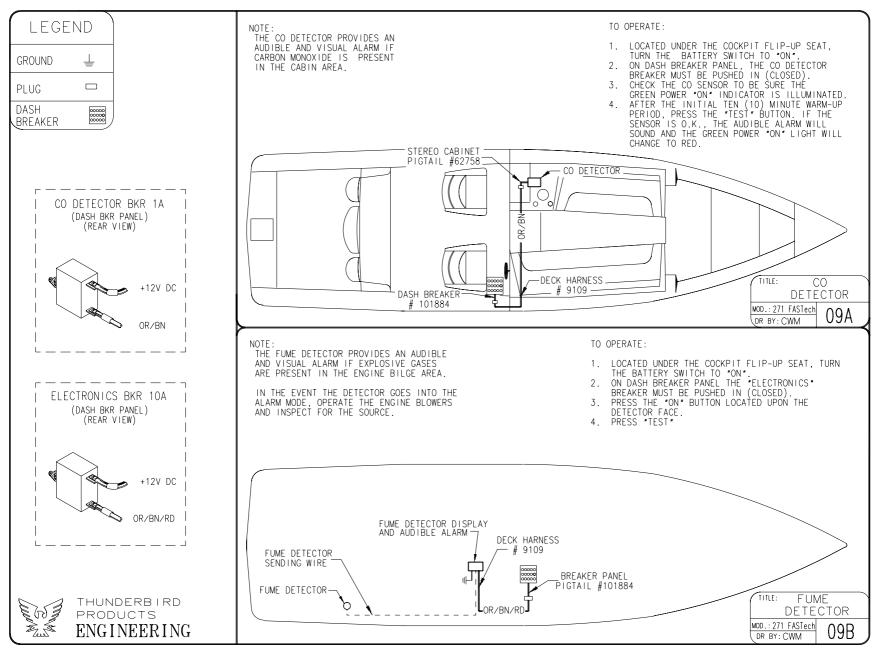


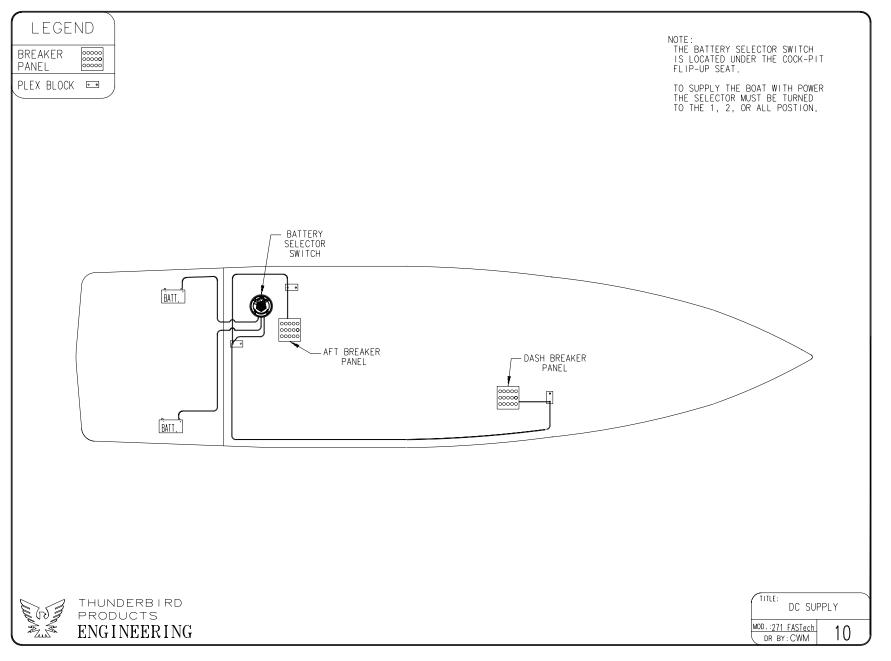
NOTE: THE CAPTIAN'S CALL WILL NOT OPERATE UNTIL THE ENGINE HAS REACHED 3000 RPM'S.

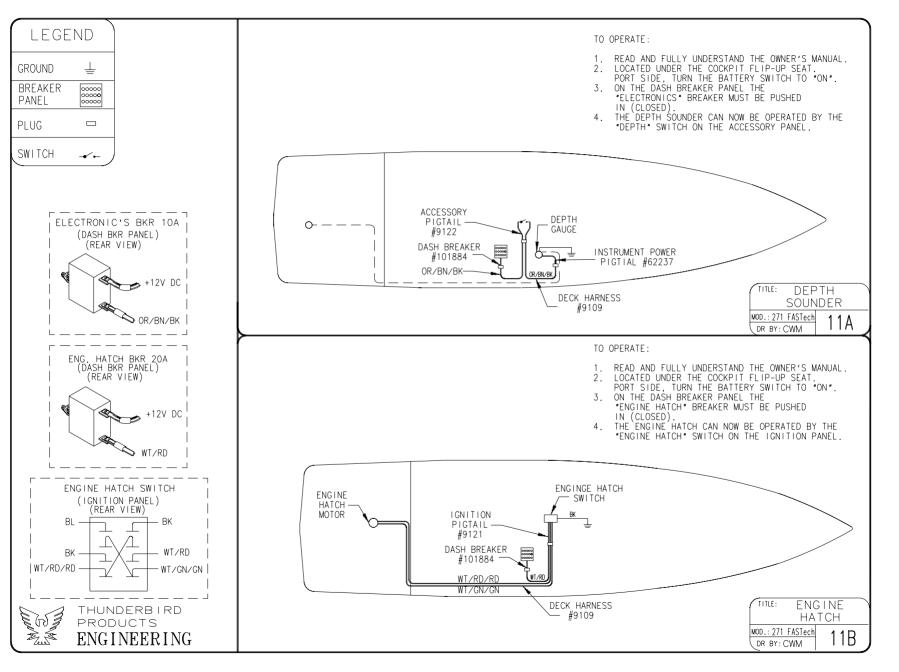
TITLE: CAPTAIN'S CALL

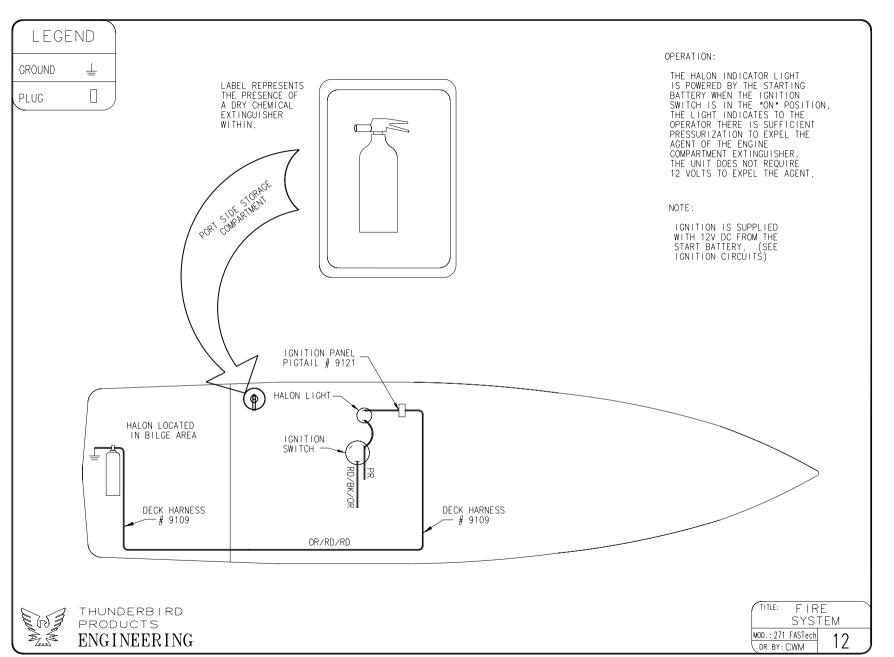
MOD.: 271 FASTech

80

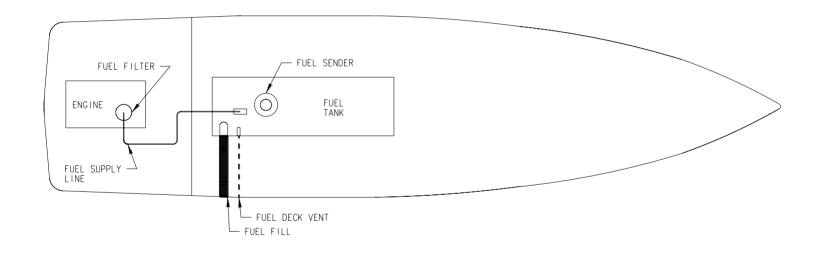










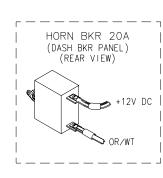


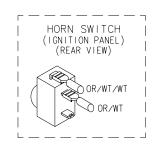


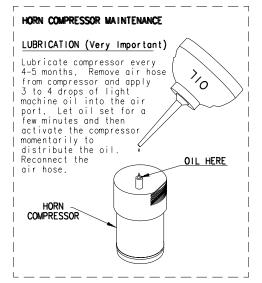
TITLE: FUEL SYSTEM

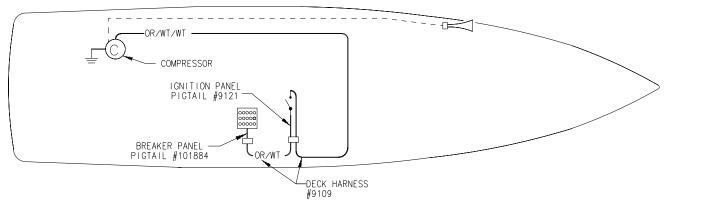
MOD.:271 FASTech DR BY: CWM











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

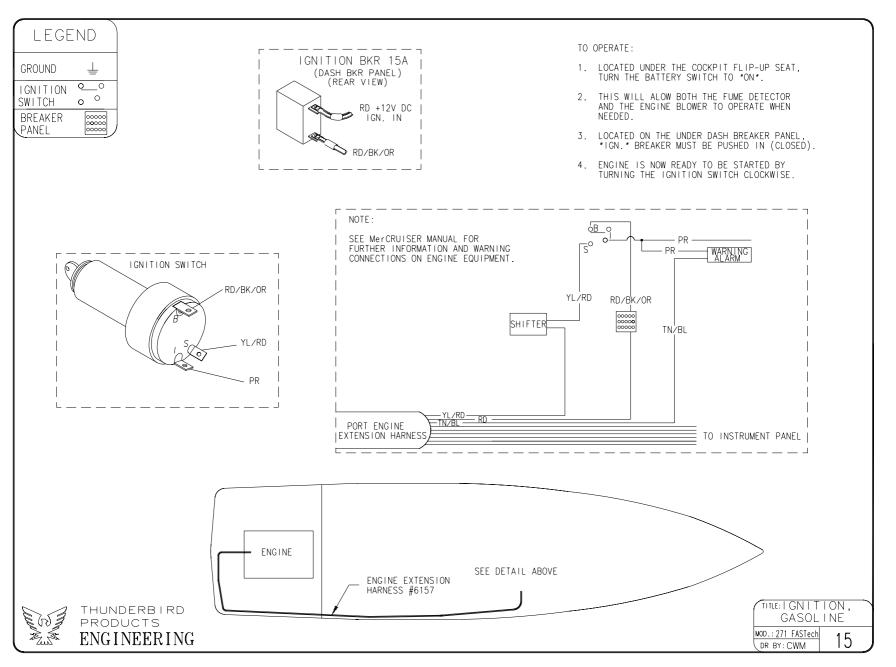


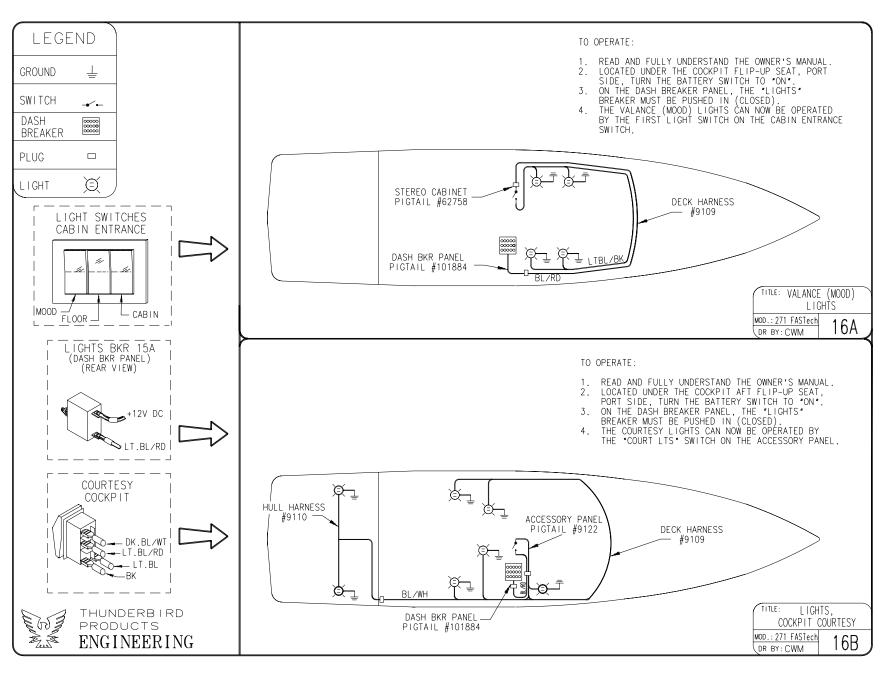
THUNDERBIRD PRODUCTS **ENGINEERING**

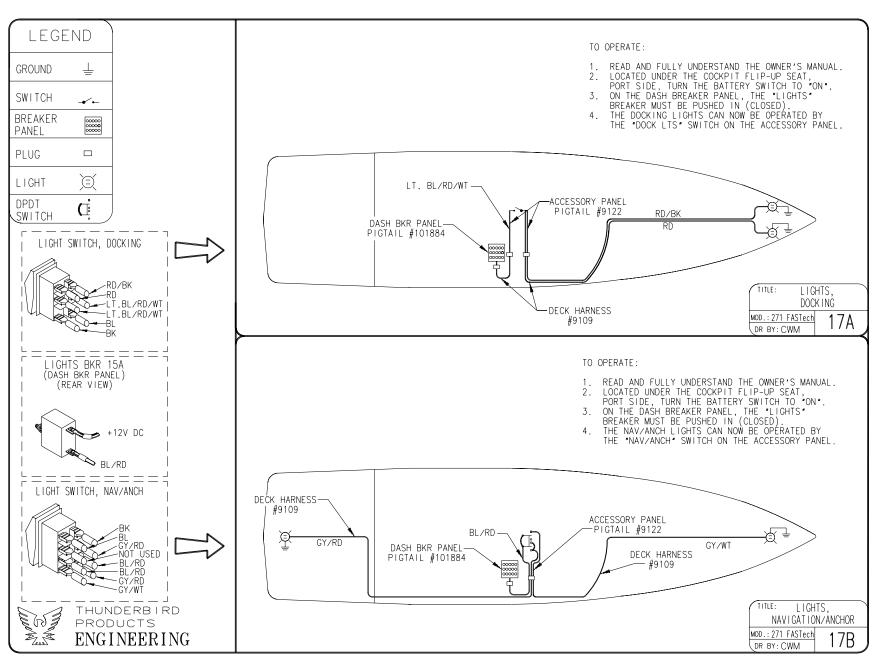
MOD.: 271 FASTech DR BY: CWM

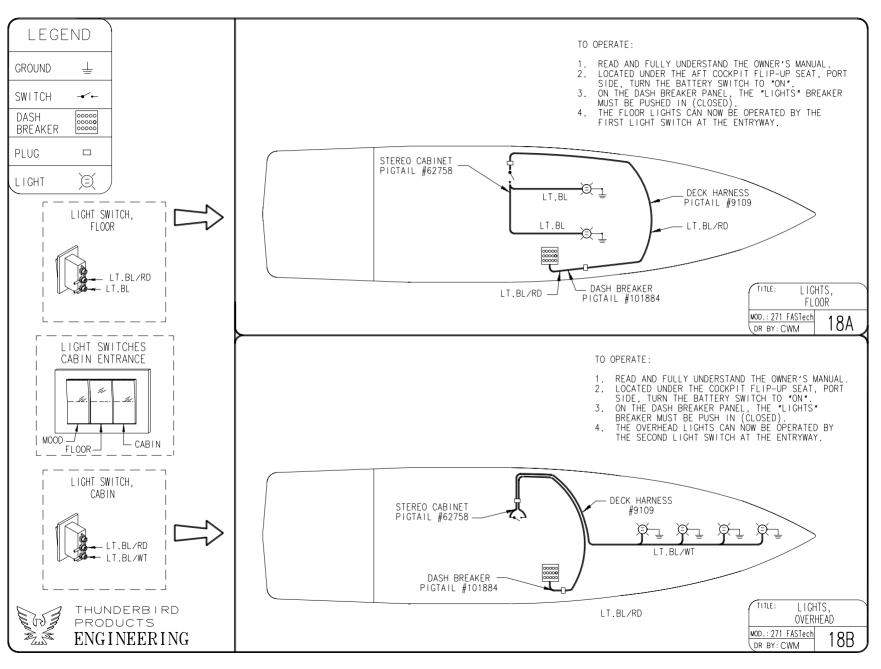
TITLE:

HORN









LEGEND

PLUG

BREAKER
PANEL

DC GROUND

LEGEND

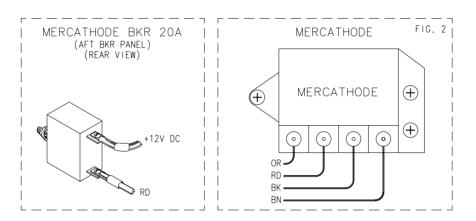
DC GROUND

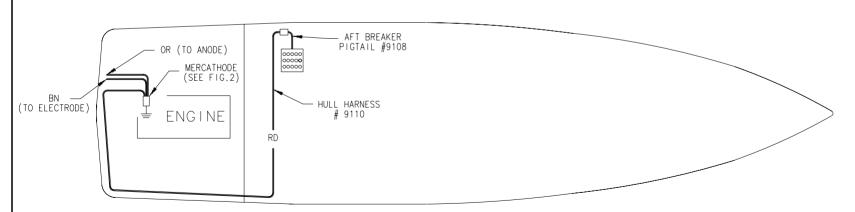
TO OPERATE:

- 1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
- 2. ON THE AFT BREAKER PANEL, THE "MERC." BREAKER MUST
- BE PUSHED IN (CLOSED).

 3. THE MERCATHODE IS NOW SUPPLIED WITH POWER AND SHOULD BE OPERATING.

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

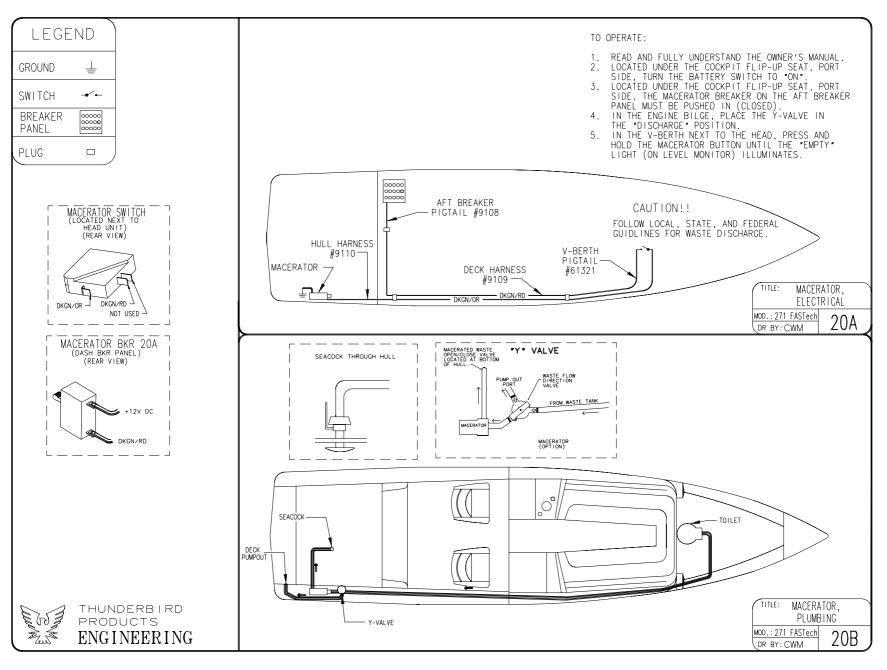






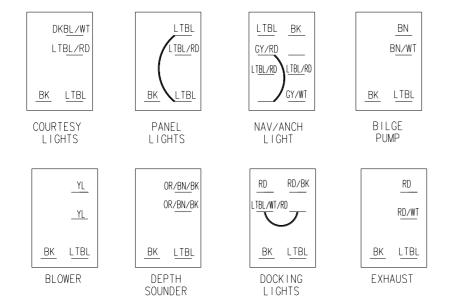
MERCATHODE

MOD.: 271 FASTech DR BY: CWM 19



271 FASTech ACCESSORY PANEL

(REAR VIEW)



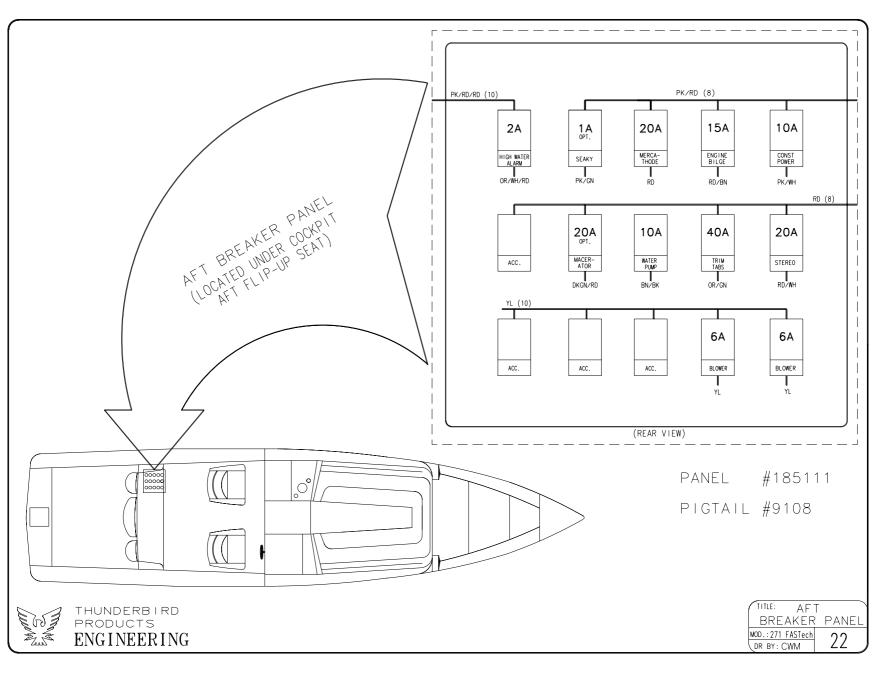
CODE	COLOR	STRIPE	STRIPE
LTBL	LIGHTBLUE		
LTBL/RD	LIGHTBLUE	RED	
DKBL/WT	DARKBLUE	WHITE	
LTBL/WT/RD	LIGHTBLUE	WHITE	RED
BK	BLACK		
BN	BROWN		
BN/WT	BROWN	WHITE	
GY/RD	GRAY	RED	
GY/WT	GRAY	WHITE	
OR/BN/BK	ORANGE	BROWN	BLACK
RD	RED		
RD/BK	RED	BLACK	
RD/WT	RED	WHITE	
YL	YELLOW		

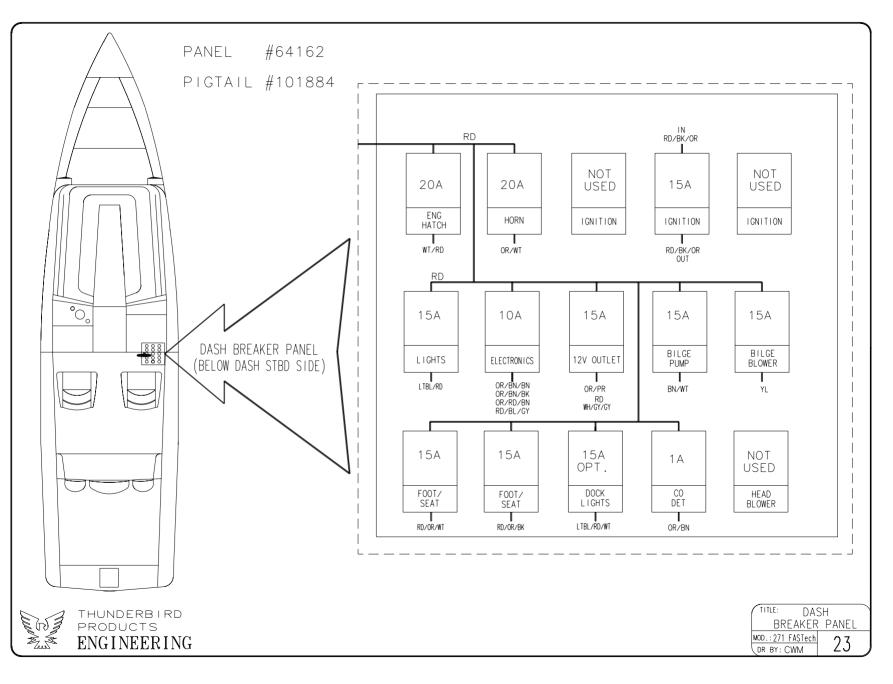


PANEL #175082 PIGTAIL #9122

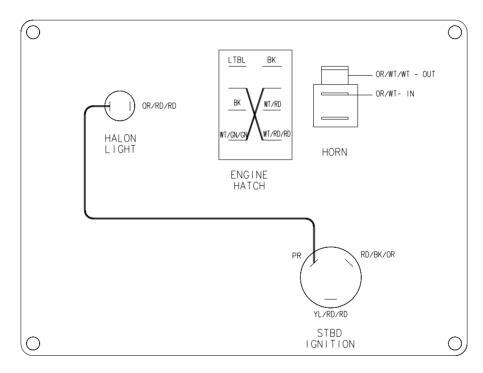
TITLE: ACCESSORY PANEL

MOD.: 271 FASTech DR BY: CWM





IGNITION PANEL 271 FASTech (REAR VIEW)



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



PANEL #175081 PIGTAIL #9121

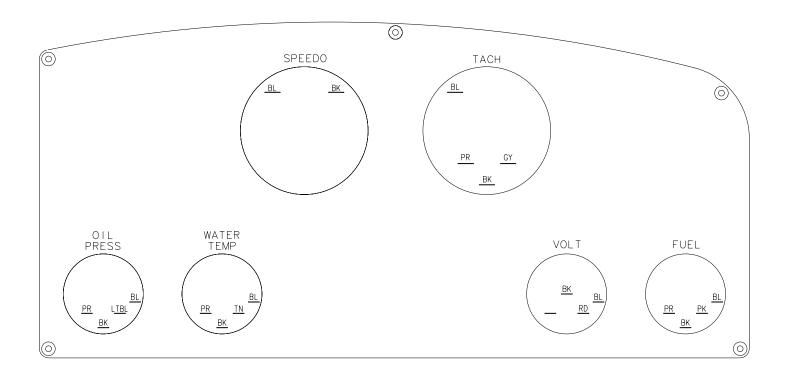
TITLE: IGNITION
PANEL

MOD.: 271 FASTech DR BY: CWM

- 24

INSTRUMENT PANEL 271 FASTech (REAR VIEW)

	7
CODE	COLOR
ВК	BLACK
BL	BLUE
GY	GRAY
PK	PINK
PR	PURPLE
LTBL	LIGHT BLUE
TN	TAN



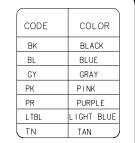


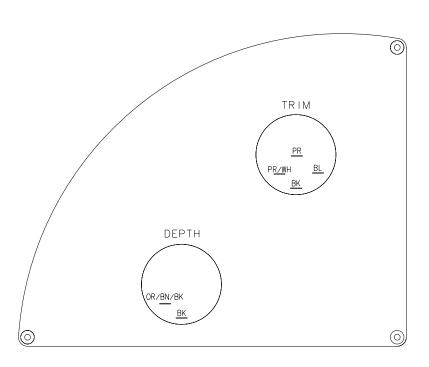
PANEL #117321 PIGTAIL #62237 #2693

TITLE: MAIN
INSTRUMENT PANEL
MOD.: 271 FASTech

DR BY: CWM 2

INSTRUMENT PANEL 271 FASTech (REAR VIEW)







THUNDERBIRD PRODUCTS ENGINEERING

PANEL #175080 PIGTAIL #62237 #2693

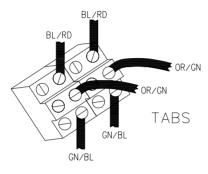
INSTRUMENT PANEL

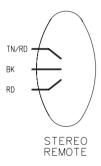
MOD.: 271 FASTech DR BY: CWM

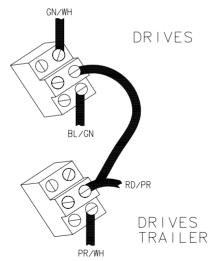
26

INSTRUMENT SHIFTER PANEL 271 FASTech

(REAR VIEW)





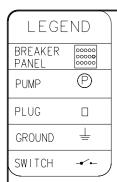


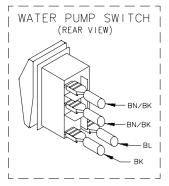
CODE	COLOR	STRIPE
BK	BLACK	
BL/GN	BLUE	GREEN
BL/RD	BLUE	RED
GN/BL	GREEN	BLUE
GN/WH	GREEN	WHITE
PR/WH	PURPLE	WHITE
RD	RED	
OR/GN	RED	GREEN
RD/PR	RED	PURPLE
TN/RD	TAN	RED

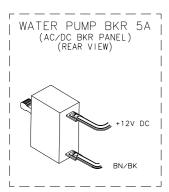


PANEL #61655 PIGTAIL #6570 #9109











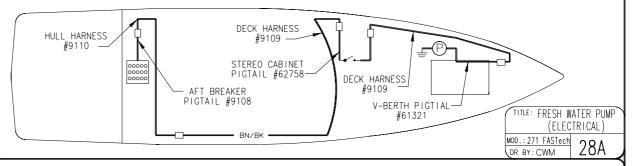
- 1. READ AND FULLY UNDERSTAND THE OWNER'S MANUAL.
- 2. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE. TURN THE BATTERY SWITCH TO 'ON'.

 3. LOCATED UNDER THE COCKPIT FLIP-UP SEAT, PORT SIDE,
- THE WATER PUMP BREAKER MUST BE PUSHED IN (CLOSED).
- 4. THE WATER PUMP SWITCH LOCATED UNDER THE CABIN SINK IS NOW SUPPLIED WITH POWER.

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

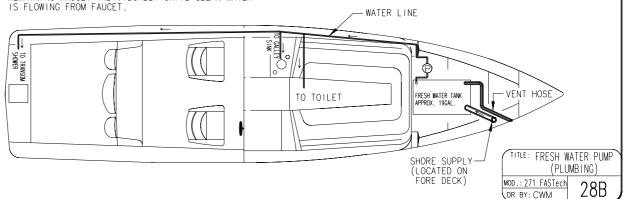
WARNING!

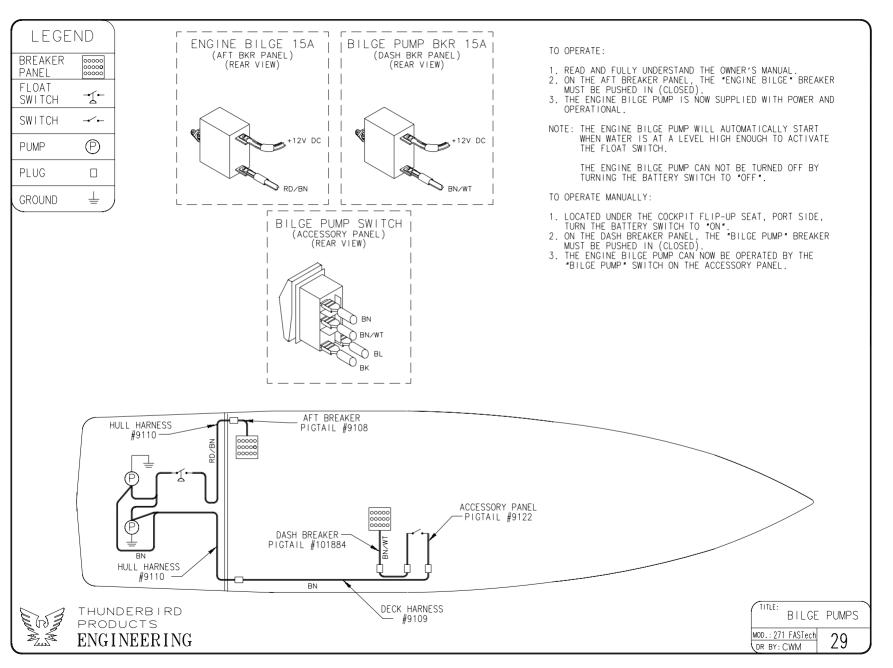
MAKE SURE WATER TANK HAS SUFFICIENT AMOUNT OF WATER TO RUN SYSTEM. RUNNING THE SYSTEM DRY CAN CAUSE DAMAGE TO THE WATER PUMP.

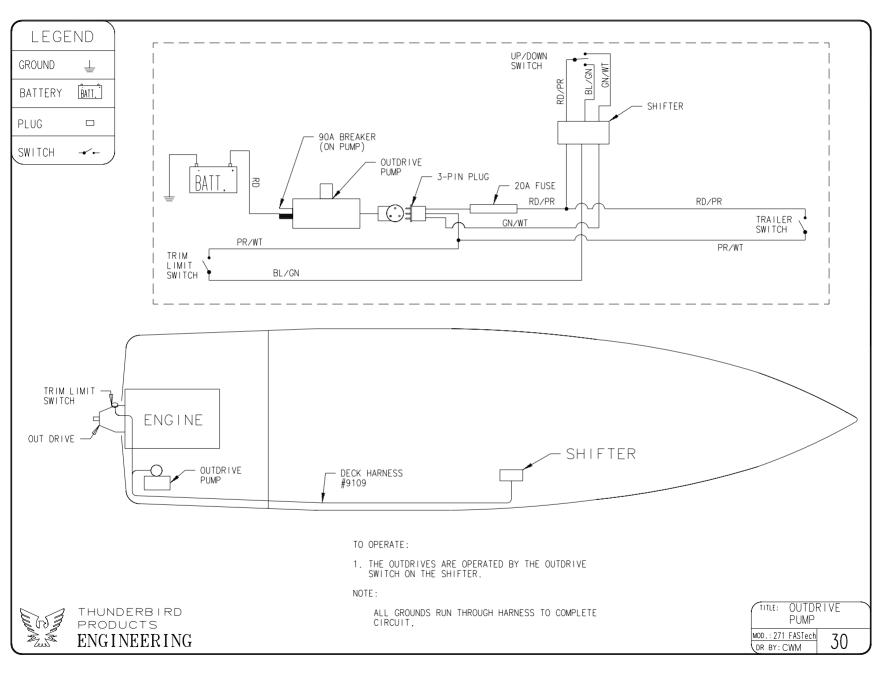


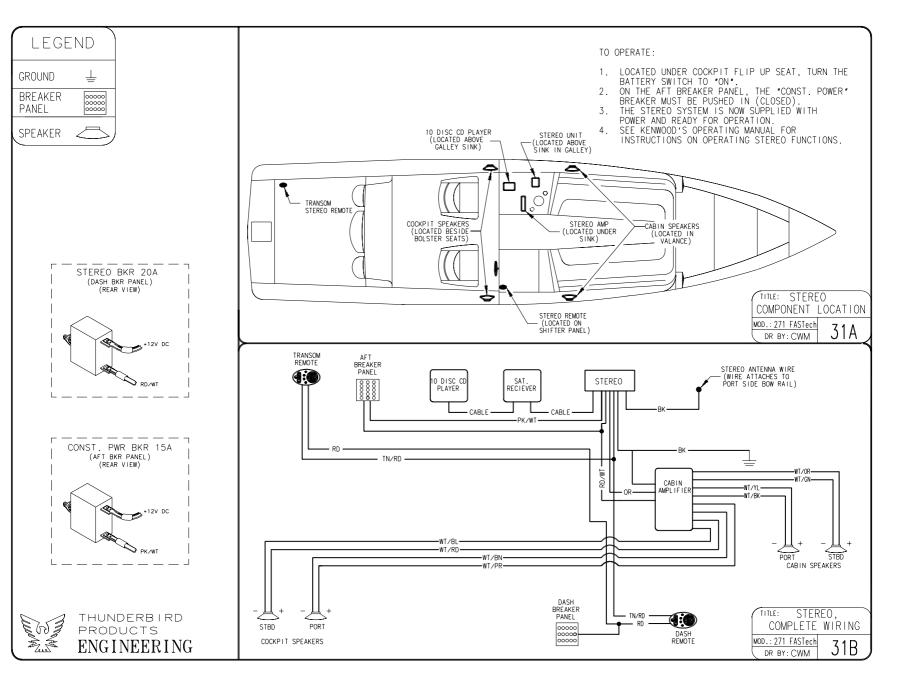
TO FLUSH WATER SYSTEM:

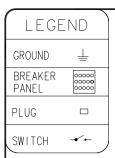
OPEN FAUCET FURTHEST AWAY FROM WATER TANK AND TURN ON WATER PUMP, THIS WILL DRAIN ANY EXCESS ANTIFREEZE FROM THE SYSTEM. ONCE FLOW IS LOST TURN OFF WATER PUMP AND FILL FRESH WATER TANK WITH FRESH WATER. AGAIN OPEN THE FAUCET FURTHEST AWAY FROM WATER TANK AND RUN UNTIL WATER IS CLEAR AND ODOR FREE, THIS MAY TAKE A FEW TANKS. ONCE CLEAN WATER IS FLOWING FROM FAUCET, OPEN EACH REMAINING FAUCET INDIVIDUALLY UNTIL CLEAN WATER

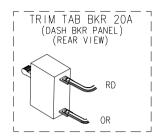






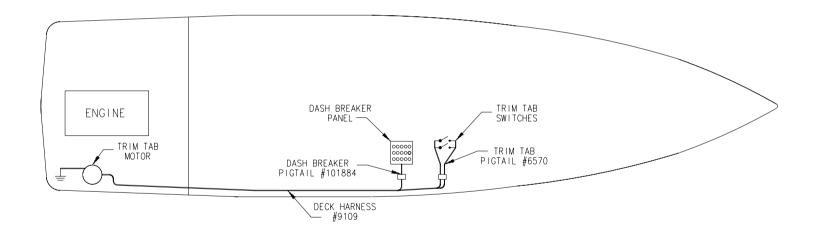






- THE BATTERY SELECTOR SWITCH, UNDER THE COCKPIT FLIP-UP SEAT, MUST BE TURNED TO THE 1, 2, OR ALL POSTION.
- 2. THE TRIM TAB BREAKER MUST BE PUSHED IN (CLOSED) AT THE AFT BREAKER PANEL, LOCATED UNDER THE COCKPIT FLIP-UP SEAT.
- THE TRIM TAB SWITCHES, LOCATED ON THE LOWER INSTRUMENT PANEL ARE NOW SUPPLIED WITH POWER.

NOTE: ALL GROUNDS RUN THROUGH HARNESS TO COMPLETE CIRCUIT.



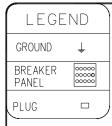


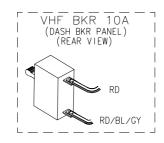
TITLE: TRIM TABS

MOD.: 271 FASTech

DR BY: CWM

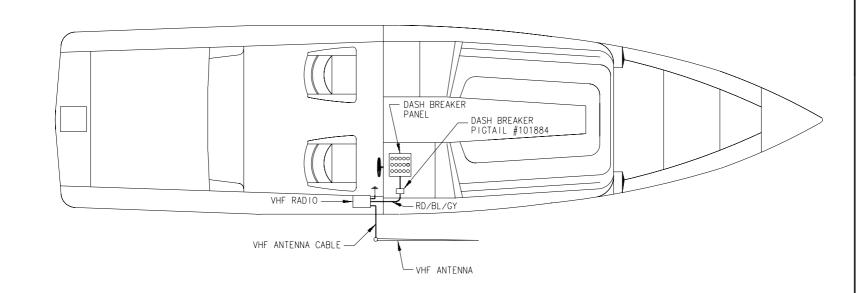
J





TEST PROCEDURE:

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

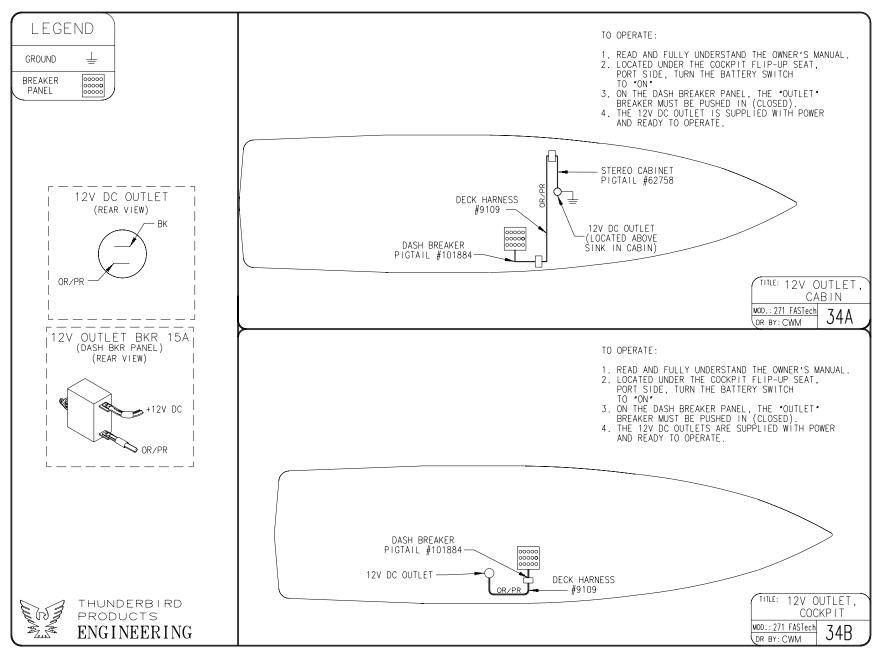


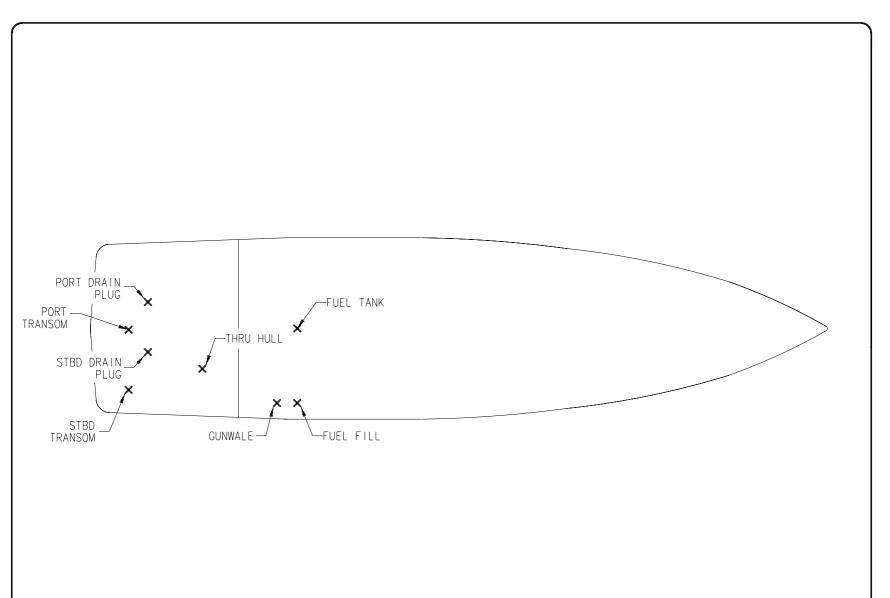


VHF RADIO

MOD.: 271 FASTech

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TITLE: BOND ING

MOD.: 271 FASTech DR BY: CWM