

F-419 SR1 DIAGRAM INDEX

AC CIRCUITS

AIR CONDITIONER _____	101
120V _____	101a
220V _____	101b
BATTERY CHARGER _____	102
BLENDER _____	103
GENERATOR (see 004a/b)	
HEATERS	
cabin _____	106d
water _____	106b
MICROWAVE _____	107
OUTLETS _____	113
REFRIGERATOR _____	108
SHOREPOWER _____	109
120V panel wiring _____	109a
220V panel wiring _____	109b
WATERHEATER (see HEATERS)	
ZINC SAVER _____	112

BONDING

BONDED EQUIPMENT _____	120
BONDING CHECK LIST (WORKSHEET)	121

DC CIRCUITS

BATTERY PARALLEL _____	001
DC supply system _____	001a
BLOWERS _____	002
eng. room / generator _____	002a
vent _____	002b
ENGINE HATCH _____	003
GENERATOR _____	004
Onan _____	004b
HALON _____	005
HORN _____	006
IGNITION	
gas _____	007a
diesel _____	007b
K-PLANES (see 015) _____	015
INSTRUMENTATION _____	008
dash accessory switches _____	008a

LIGHTS

cabin _____	010a
courtesy _____	010b
docking _____	010c
engine room _____	010b
floor _____	010e
head _____	010f
mood _____	010g
navigation _____	010h
MACERATOR _____	011
sensing unit _____	011a
hook-up _____	011b
PUMP (placements) _____	013
air conditioner (see 101 a/b)	
cabin bilge _____	01
engine room bilge _____	01
water _____	01
REFRIGERATOR (see 108)	
TREATMENT SYSTEM, WASTE _____	014
TRIM TABS _____	015
assembly _____	015a
WINDLASS (location) _____	016
Maxwell _____	016b

ELECTRONICS

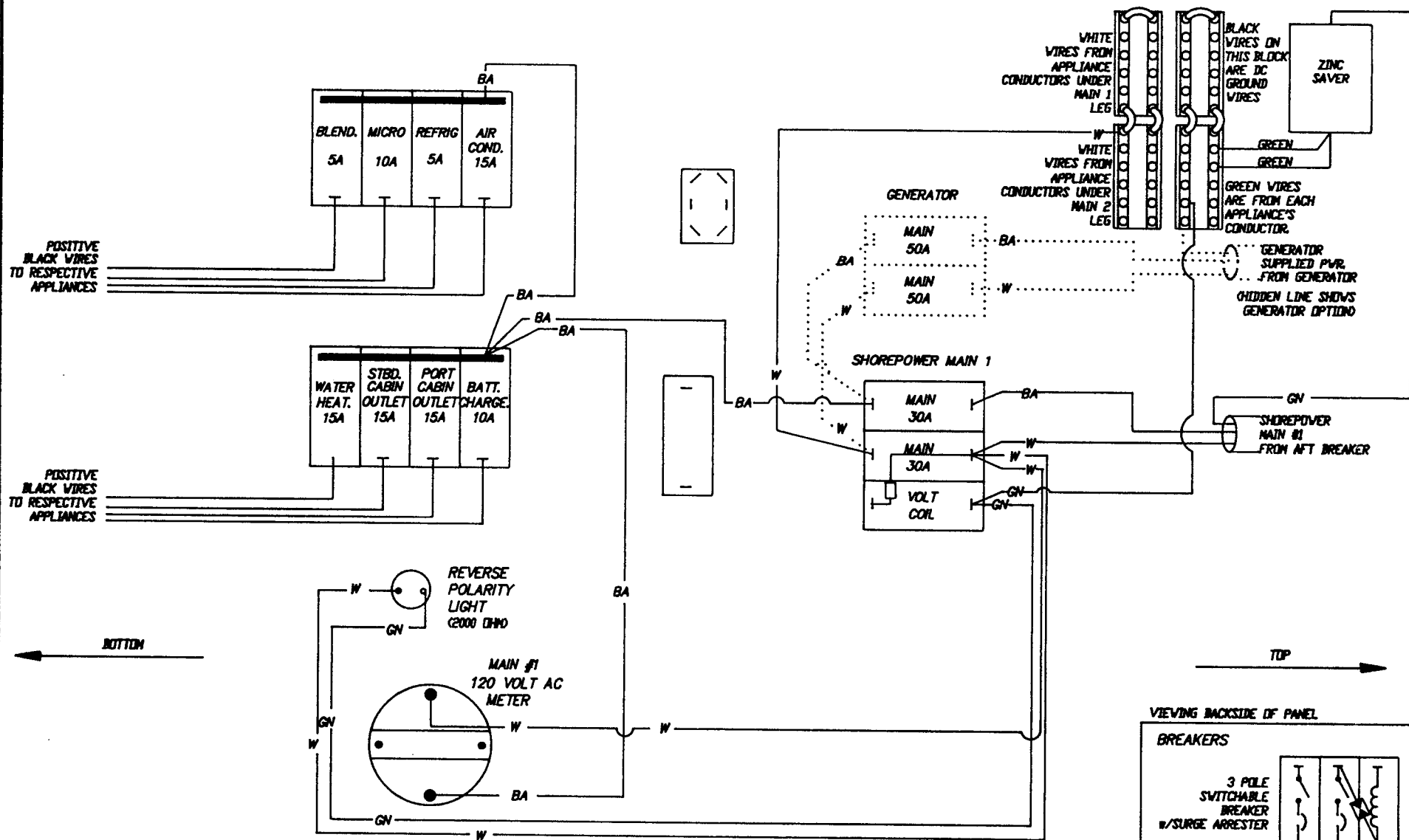
STEREO SYSTEM (block dia.) _____	140
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FUEL SYSTEMS

ENGINES AND GENERATOR _____	130
gas _____	130a
diesel _____	130b

PLUMBING

PLUMBING AND DRAINAGE _____	131
generator _____	131a
cockpit _____	131b



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(210) 724-0111

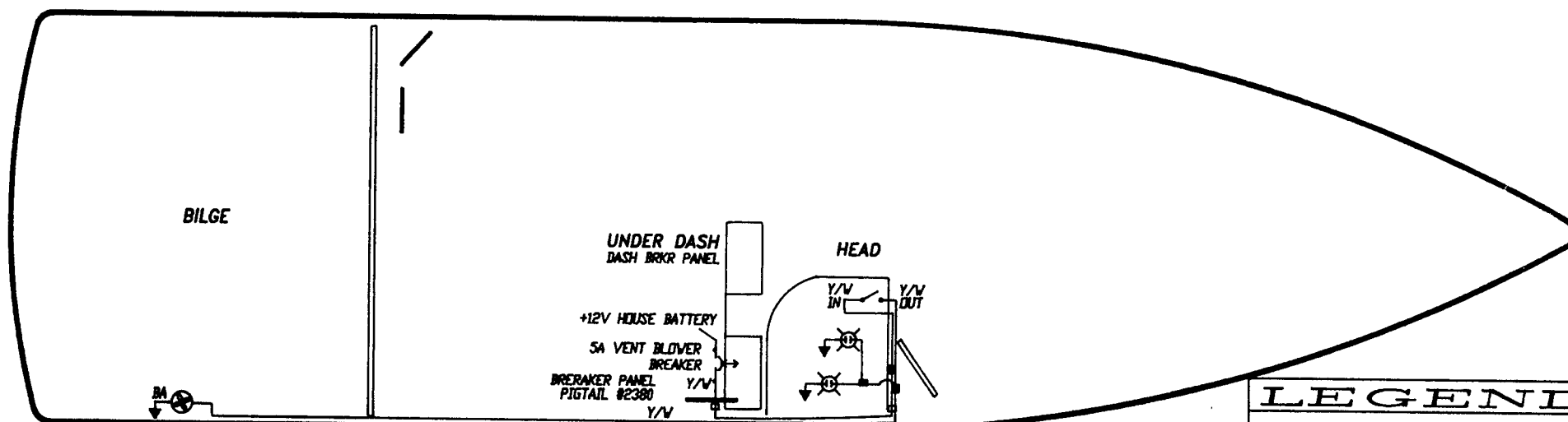
4
3
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7

REVISIONS

DR GH DATE

FROM HIN # TO HIN #
FROM HIN # TO HIN #
FROM HIN # TO HIN #
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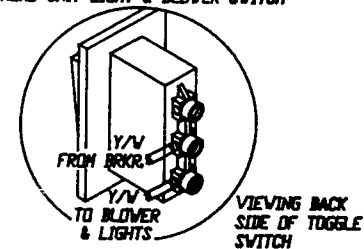
TITLE: F-419 SR1 110V/60HZ
AC WIRING AT AC/DC PANEL
(AC-DC PANEL)
DR BY: KKR CH BY: R/S
DATE: 10-6-90 NO. 419-102



LEGEND

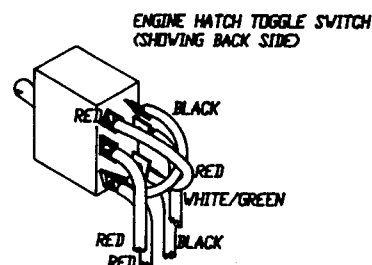
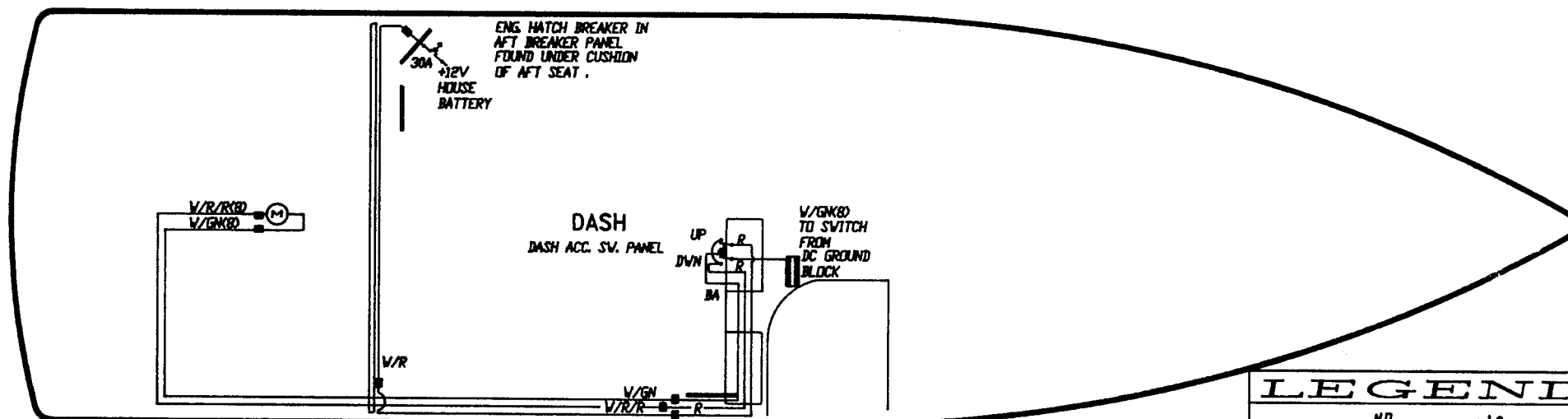
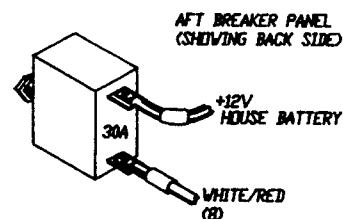
BREAKER	
TOGGLE SWITCH	
BLOWER	
GROUND	
PLUG	
BUTT SPLICE	

HEAD UNIT LIGHT & BLOWER SWITCH



THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4						FROM HIN #	TO HIN #	TITLE: F-419 SR1 VENT BLOWER DIAGRAM (BEHIND BRKR PANEL/VANITY) DR BY: KKR CH BY: R.E. DATE: 5-22-90 NO.: 419-002 b
	3						FROM HIN #	TO HIN #	
	2						FROM HIN #	TO HIN #	
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	7						FROM HIN #	TO HIN #	
REVISIONS				DR	CH	DATE	FROM HIN #	TO HIN #	

- TO OPERATE:
1. HOUSE BATTERY SELECTOR SWITCH FOUND IN AFT COCKPIT SEAT PAN MUST BE IN THE ON POSITION.
 2. ENGINE HATCH BREAKER FOUND IN AFT COCKPIT SEAT PAN MUST BE PUSHED IN.
 3. THE HATCH IS NOW OPERABLE AT THE DASH BY THE TOGGLE SWITCH LABELED ENGINE HATCH.



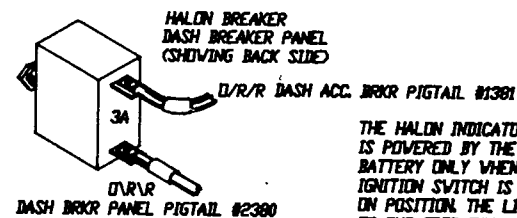
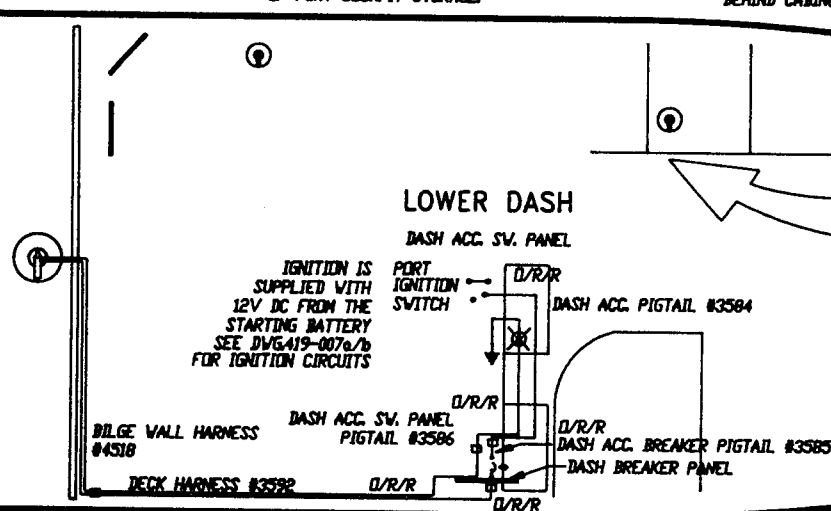
LEGEND

N.O. PUSH BUTTON SWITCH	
BREAKER	
BUTT SPLICE	
PLUG	
TERMINAL BLOCK	
N.O. DPDT SWITCH	
ACTUATOR MOTOR	
GROUND	

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(219) 724-9111

REV	DESCRIPTION	OR	CH	DATE	FROM HIN #	TO HIN #	TITLE: F-419 SR1 ENGINE HATCH RMW (ENGINE COMPARTMENT)
4							DR BY: KCR CH BY: PC
3							DATE: 9-5-90 NO.: 419-003
2							
1							
#							

MANUAL OPERATION
FOUND ABOVE REFRIGERATOR
BEHIND CABINET DOOR WITH LABEL.

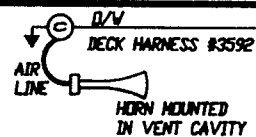


LEGEND

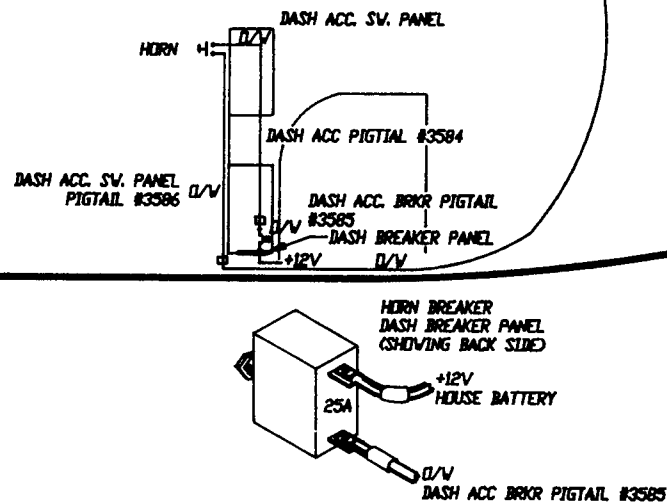
HALON FIRE EXTINGUISHER	
PUSH/PULL BREAKER	
PLUG	
HALON LIGHT	
IGNITION SWITCH	
GROUND	

[illegible]

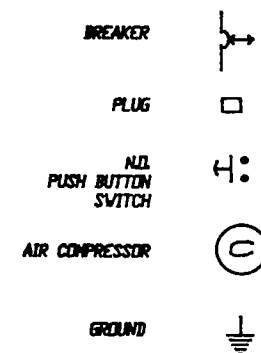
COMPRESSOR
MOUNTED BEHIND AFT
WALL OF PORT COCKPIT
STORAGE.



LOWER DASH



LEGEND



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REVISIONS

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CH

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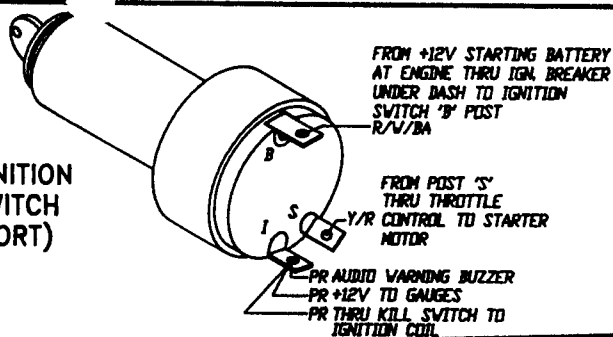
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FROM HIN #

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TO HIN #

TITLE: F-419 SR1
HORN COMPRESSOR
(AFT OF PORT STORAGE)
DR BY: KKR
DATE: 9-9-90

CH BY: *es*
NO: 419-006

IGNITION SWITCH (PORT)



LOWER DASH / IGNITION SWITCH WIRING

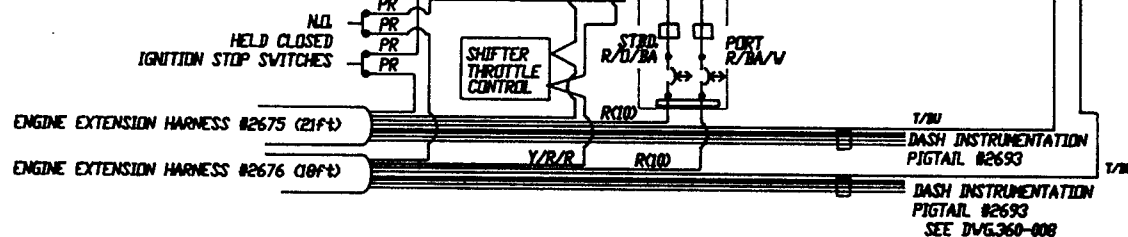
(SEE MERCURISER MANUAL FOR FURTHER INFORMATION)

IGNITION SWITCHES

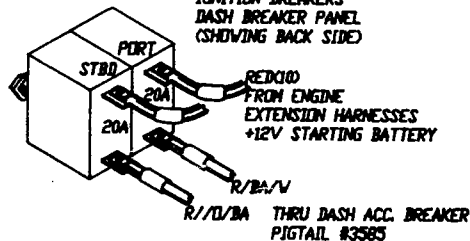
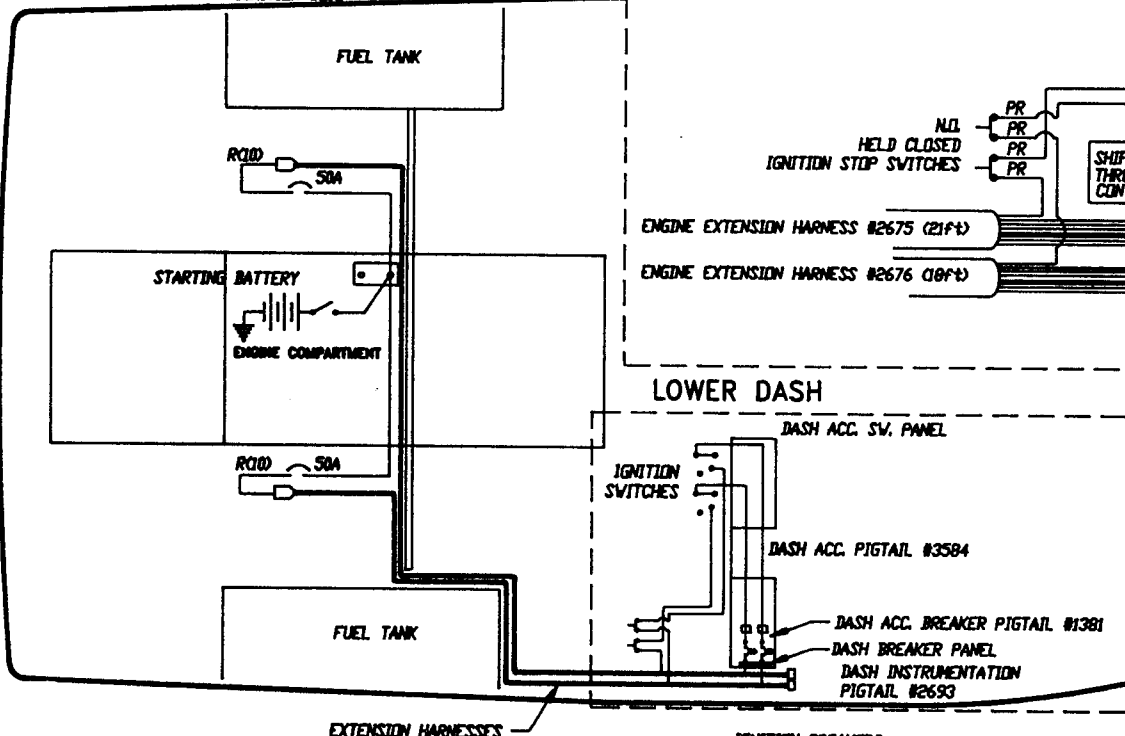
PORT

STBD.

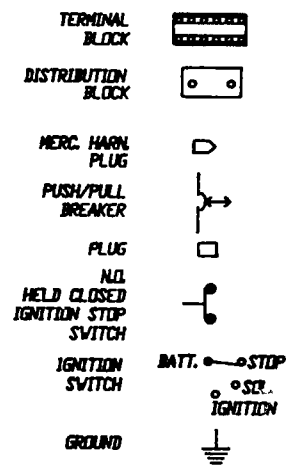
AUDIO WARNING BUZZERS



LOWER DASH



LEGEND



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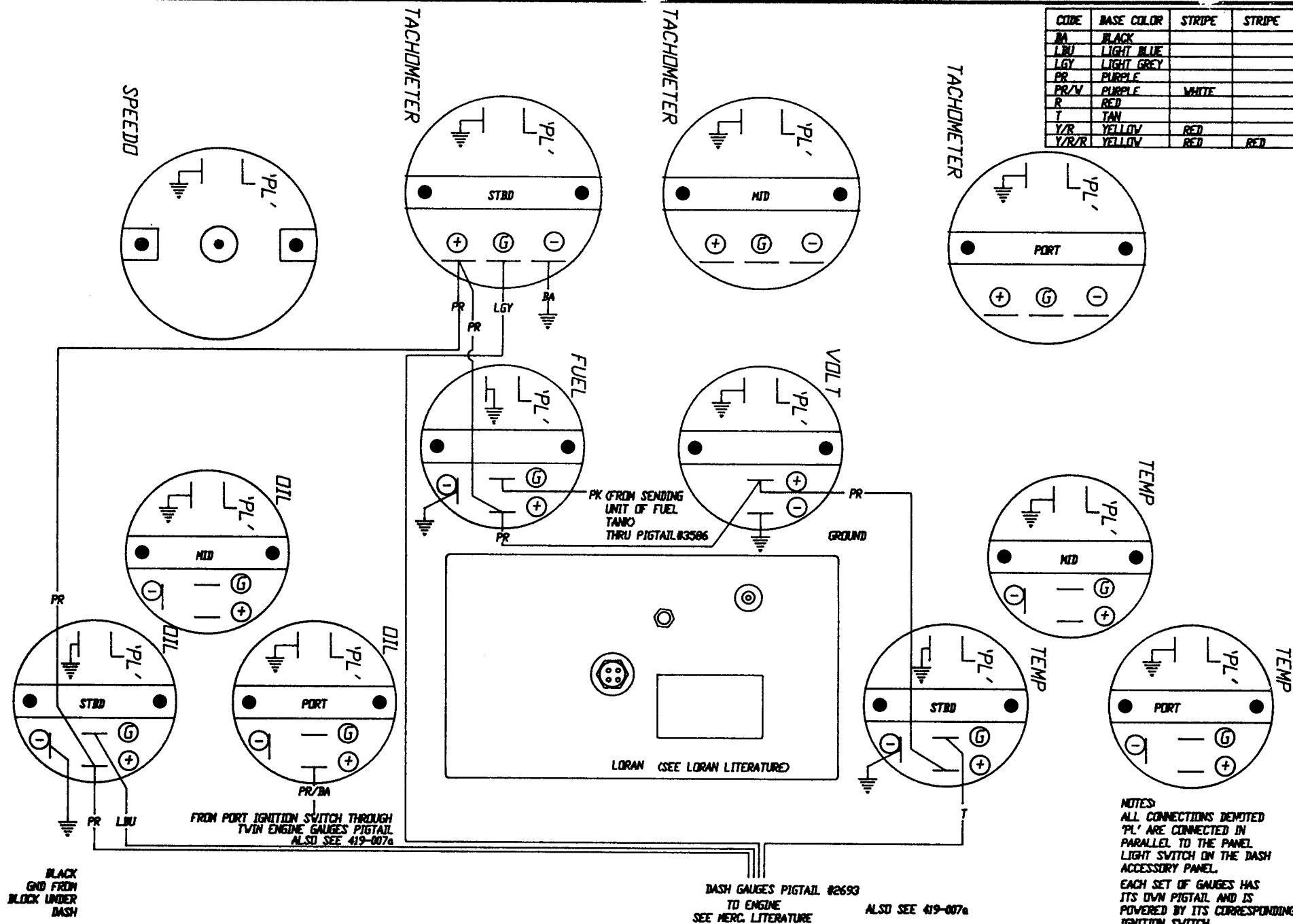
REVISES	BY	DATE	FROM HIN #	TO HIN #
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			FROM HIN #	TO HIN #
			FROM HIN #	TO HIN #

TITLE: F-419 SRI
IGNITION GAS ENGINE
(CRASH AREA)

DR BY: KKR CH BY: R.P.

DATE: 9-6-80 NO: 419-007a

CODE	BASE COLOR	STRIPE	STRIPE
BA	BLACK		
LB/L	LIGHT BLUE		
LG/Y	LIGHT GREY		
PR	PURPLE		
PR/V	PURPLE	WHITE	
R	RED		
T	TAN		
Y/R	YELLOW	RED	
Y/R/Y	YELLOW	RED	RED



NOTES:
ALL CONNECTIONS DEMOTED
'PL' ARE CONNECTED IN
PARALLEL TO THE PANEL
LIGHT SWITCH ON THE DASH
ACCESSORY PANEL.
EACH SET OF GAUGES HAS
ITS OWN PIGTAIL AND IS
POWERED BY ITS CORRESPONDING
IGNITION SWITCH.

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REVISIONS

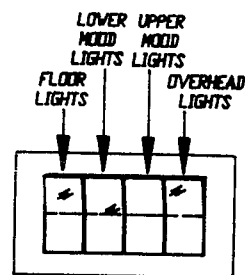
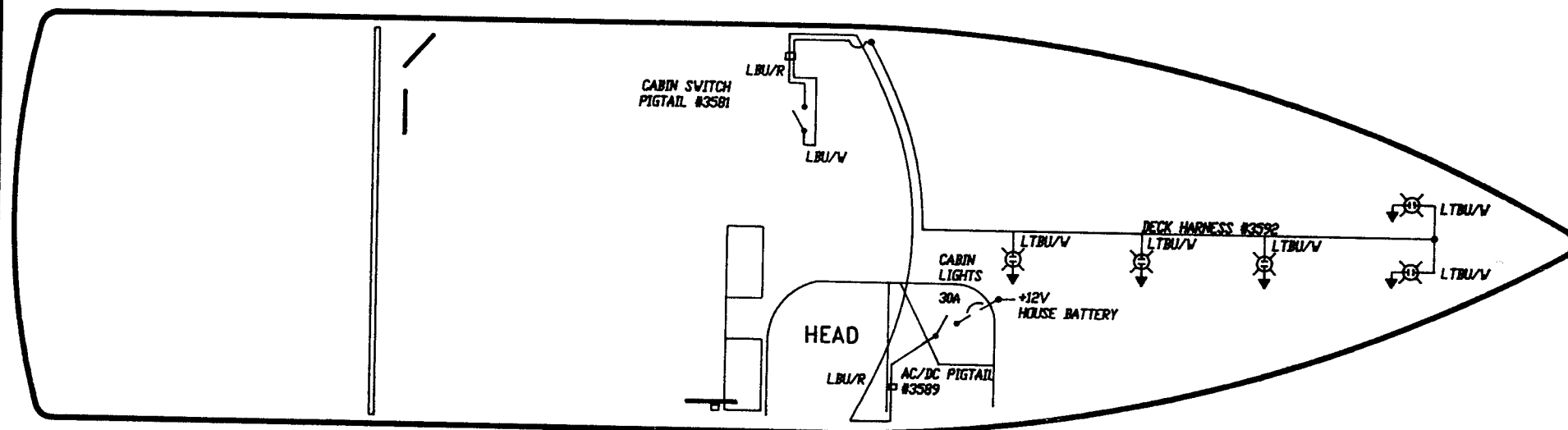
DASH GAUGES PIGTAIL #2693
TO ENGINE
SEE MERC. LITERATURE

ALSO SEE 419-007a

FROM HIN #	TO HIN #	TITLE: F-419 SR1 DASH INSTRUMENTS (UPPER DASH)	DR BY: KKR	CH BY: RS
FROM HIN #	TO HIN #			
FROM HIN #	TO HIN #			
FROM HIN #	TO HIN #			
FROM HIN #	TO HIN #			
FROM HIN #	TO HIN #	DATE: 9-18-90	NO: 419-008	

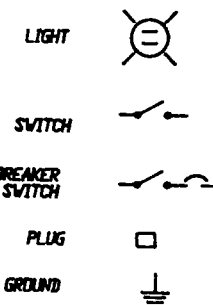


THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4					FROM HIN #	TO HIN #	TITLE: F-419 SRI DASH ACC. SWITCH PANEL CLOVER BASHD			
	3					FROM HIN #	TO HIN #				
	2					FROM HIN #	TO HIN #				
	1					FROM HIN #	TO HIN #				
	#	REVISIONS				DR	CH	DATE	FROM HIN #	TO HIN #	DR BY: KKR
										DATE: 9-18-90	NO.: 419-0080



NOTES:
CABIN LIGHTS ARE POWERED BY THE HOUSE BATTERY. TO OPERATE:
1. THE HOUSE BATTERY SWITCH FOUND IN THE AFT SEAT PAN, MUST BE TURNED TO ON.
2. THE DC MAIN 1 BREAKER AT THE AC/DC PANEL MUST BE SWITCHED TO ON.
3. THE CABIN LIGHT BREAKER AT THE AC/DC PANEL MUST BE SWITCHED TO ON.
4. THE ENTRYWAY'S FOURTH SWITCH IS NOW SUPPLIED WITH POWER TO TURN LIGHTS ON.

LEGEND



THUNDERBIRD PRODUCTS
P.O. BOX 501
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REVISIONS

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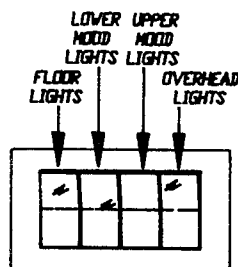
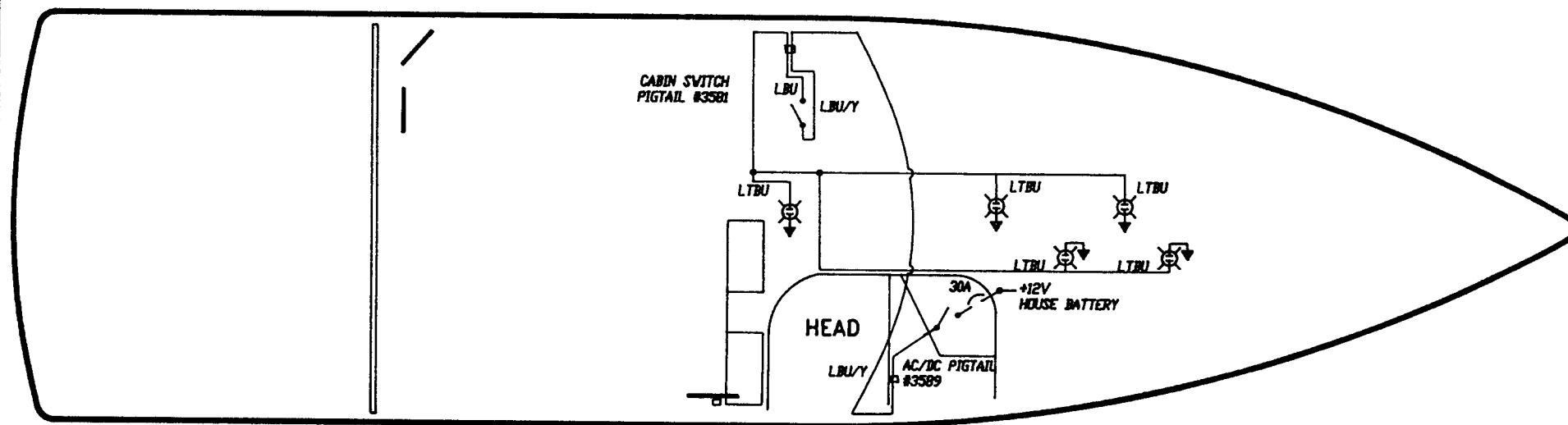
DATE

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TO HIN # *
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TO HIN # *

TITLE: F-419 SR1
CABIN LIGHTS

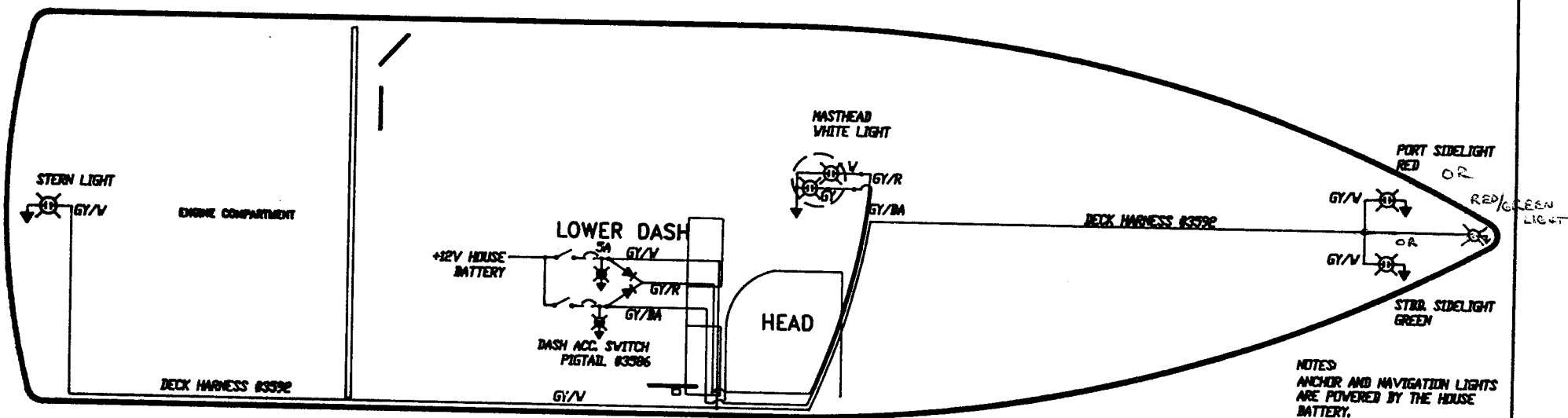
DR BY: KKR CH BY:
DATE: 9-14-90 NO. 419-0704



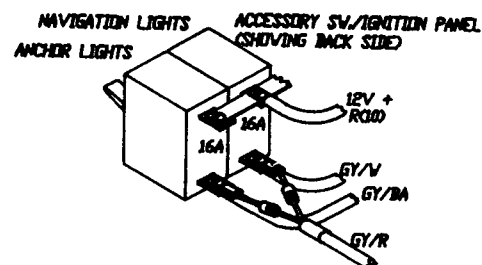
NOTES:
 FLOOR LIGHTS ARE POWERED BY THE HOUSE BATTERY.
 TO OPERATE:
 1. THE HOUSE BATTERY SWITCH FOUND IN THE AFT SEAT PANL MUST BE TURNED TO ON.
 2. THE DC MAIN 1 BREAKER AT THE AC/DC PANEL MUST BE SWITCHED TO ON.
 3. THE CABIN LIGHT BREAKER AT THE AC/DC PANEL MUST BE SWITCHED TO ON.
 4. THE ENTRYWAY'S FIRST SWITCH IS NOW SUPPLIED WITH POWER TO TURN LIGHTS ON.

LEGEND			
LIGHT			
SWITCH			
BREAKER SWITCH			
PLUG			
GROUND			

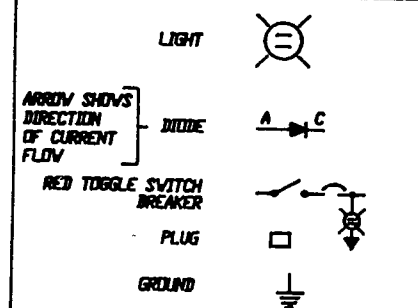
THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4					FROM HIN #	•	TO HIN #	•	TITLE: F-419 SR1 FLOOR LIGHTS DR BY: KKR CH BY: <i>[Signature]</i> DATE: 9-17-90 NO. 419-0100
	3					FROM HIN #	•	TO HIN #	•	
	2					FROM HIN #	•	TO HIN #	•	
	1					FROM HIN #	•	TO HIN #	•	
	#					FROM HIN #	•	TO HIN #	•	
REVISIONS					DR	CH	DATE			



NOTES
ANCHOR AND NAVIGATION LIGHTS
ARE POWERED BY THE HOUSE
BATTERY.



LEGEND



THUNDERBIRD PRODUCTS
P.O. BOX 501
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REVISIONS

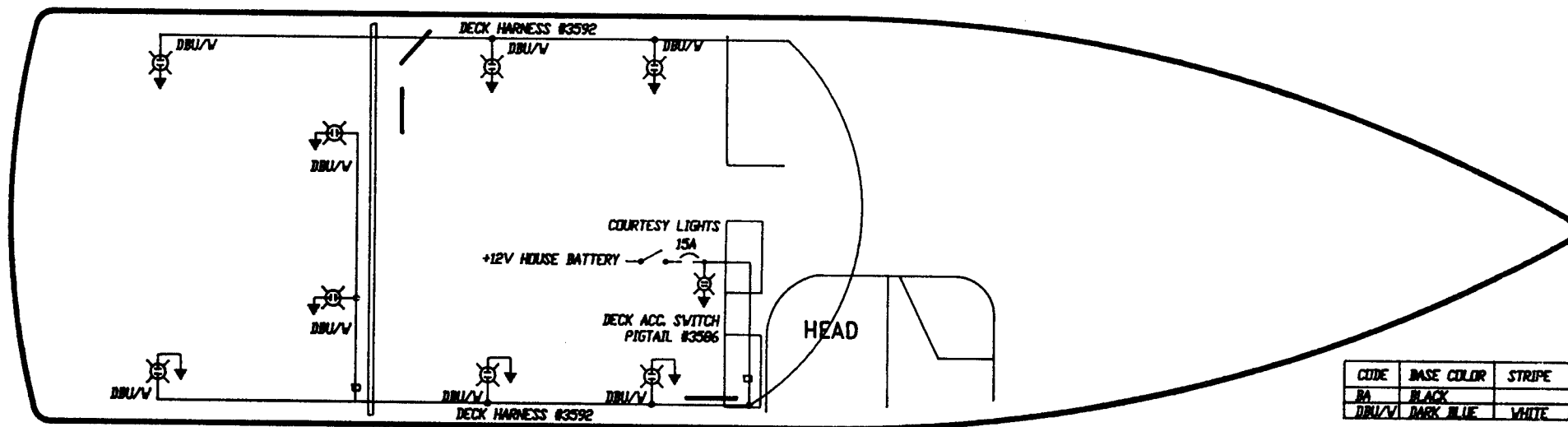
DR CH DATE

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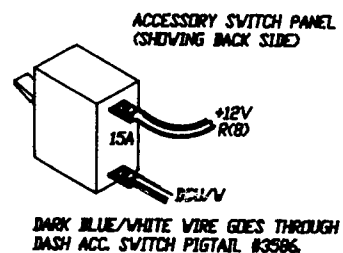
TO HIN # *
TO HIN # *
TO HIN # *
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TO HIN # *

TITLE: F-419 SR1
NAVIGATION LIGHTS

DR BY: KKR CH BY: R.E.
DATE: 9-14-90 NO.: 419-010h

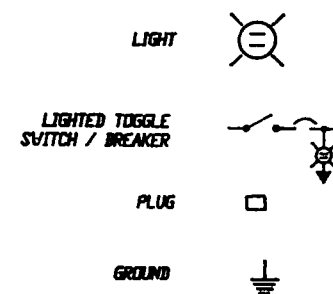


CODE	BASE COLOR	STRIPE
BA	BLACK	
DBL/V	DARK BLUE	WHITE



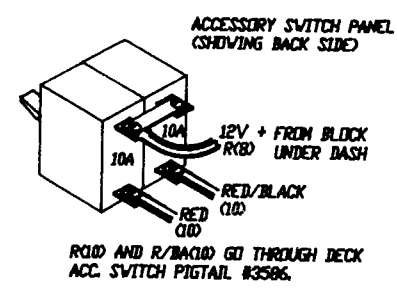
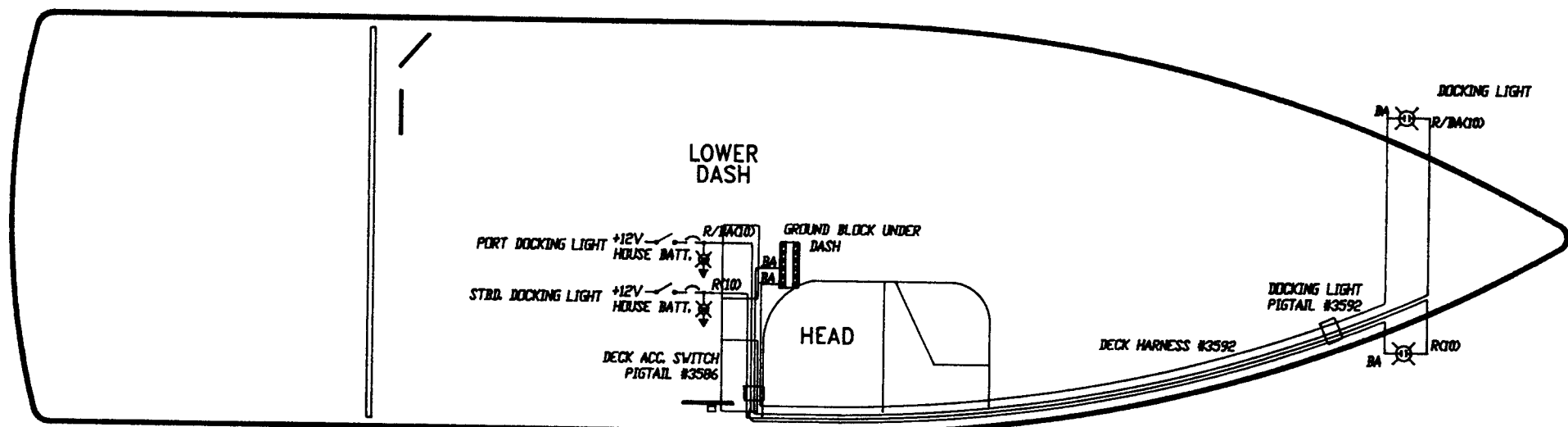
NOTES:
COURTESY LIGHTS ARE POWERED BY THE HOUSE BATTERY. TO OPERATE:
1. THE HOUSE BATTERY SWITCH FOUND IN THE AFT SEAT PAN MUST BE TURNED TO ON.
2. THE COURTESY LIGHTS' RED TOGGLE SWITCH AT THE DASH IS NOW SUPPLIED WITH 12V TO TURN THE COURTESY LIGHTS ON.

LEGEND

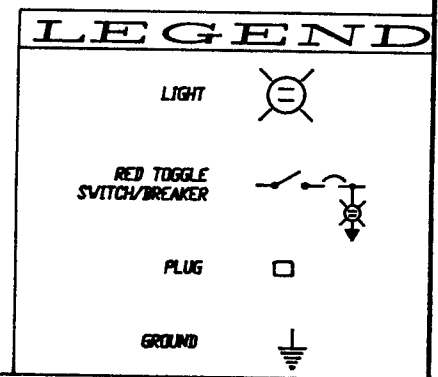


THUNDERBIRD PRODUCTS
P.O. BOX 501
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(219) 724-9111

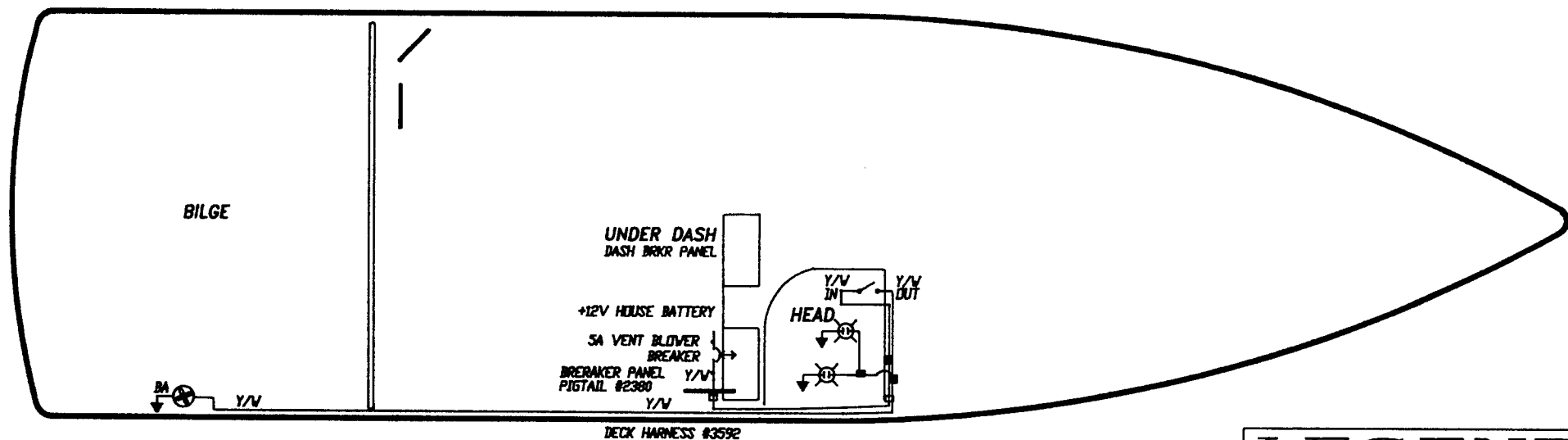
REV	DESCRIPTION	DR	CH	DATE	FROM HIN #	TO HIN #	TITLE: F-419 SP1 COURTESY LIGHTS
4					FROM HIN #	TO HIN #	DR BY: KKR CH BY: DE
3					FROM HIN #	TO HIN #	DATE: 9-18-90 NO. 419-0106
2					FROM HIN #	TO HIN #	
1					FROM HIN #	TO HIN #	
0					FROM HIN #	TO HIN #	



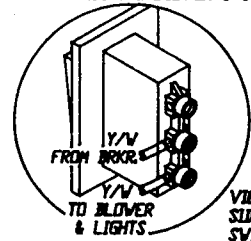
NOTES:
DOCKING LIGHTS ARE POWERED BY THE HOUSE BATTERY. TO OPERATE:
1. THE HOUSE BATTERY SWITCH FOUND IN THE AFT SEAT PAN, MUST BE TURNED TO ON.
2. THE RED TOGGLE SWITCH/BREAKERS AT THE DASH LABELED PORT AND STBD DOCKING LIGHT ARE NOW SUPPLIED WITH THE 12V NEEDED TO TURN ON THE BOV DOCKING LIGHTS.



THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4						FROM HIN # *	TO HIN # *	TITLE: F-419 SR1 DOCKING LIGHTS (DASH / BOV) DR BY: KKR CH BY: <i>JS</i> DATE: 9-18-90 NO.: 419-010c
	3						FROM HIN # *	TO HIN # *	
	2						FROM HIN # *	TO HIN # *	
	1						FROM HIN # *	TO HIN # *	
	#						FROM HIN # *	TO HIN # *	
REVISIONS		DR	CH	DATE					



HEAD UNIT LIGHT & BLOWER SWITCH



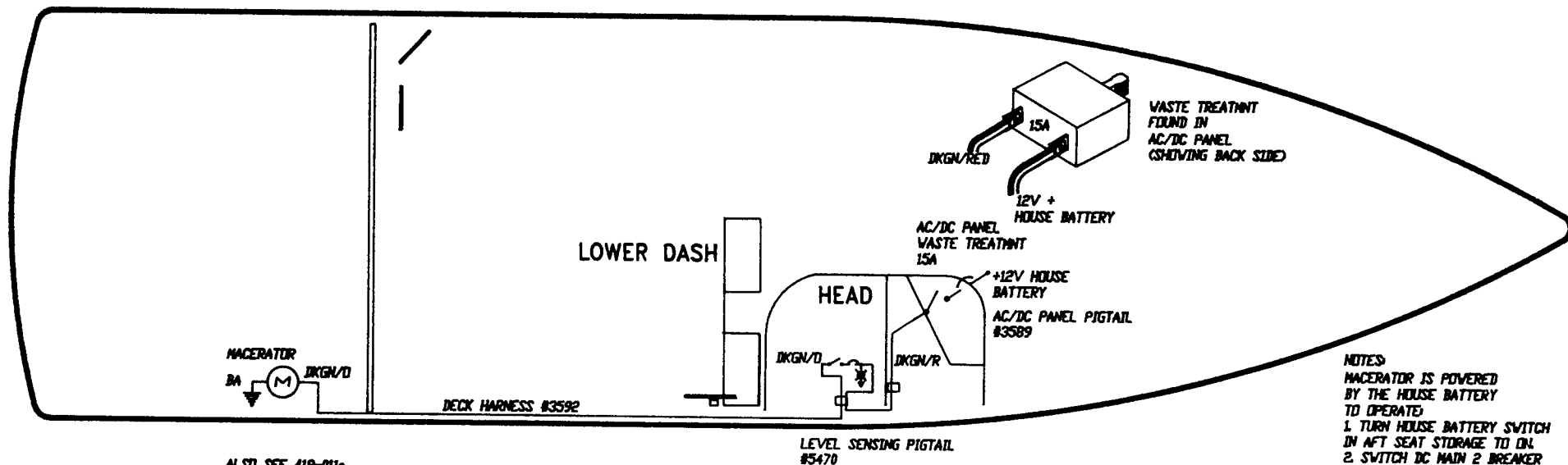
VIEWING BACK SIDE OF TOGGLE SWITCH

NOTE:
HEAD VENT BLOWER AND LIGHTS ARE POWERED BY THE HOUSE BATTERY. TO OPERATE:
1. HOUSE BATTERY SWITCH FOUND IN THE AFT SEAT PAN MUST BE TURNED ON.
2. VENT BLOWER BREAKER IN PANEL UNDER DASH MUST BE PUSHED IN.
3. SWITCH IN HEAD UNIT IS NOW SUPPLIED WITH POWER TO TURN ON LIGHT AND BLOWER.

LEGEND

LIGHT	
BREAKER	
TOGGLE SWITCH	
BLOWER	
GROUND	
PLUG	
BUTT SPICE	

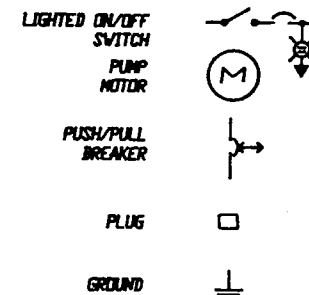
THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4						FROM HIN #	TO HIN #	TITLE: F-419 SR1 HEAD LIGHTS DIAGRAM (BRKR PANEL/VANITY) DR BY: KKR CH BY: RZ DATE: 9-17-90 NO.: 419-010F
	3						FROM HIN #	TO HIN #	
	2						FROM HIN #	TO HIN #	
	1						FROM HIN #	TO HIN #	
	#						FROM HIN #	TO HIN #	
		REVISIONS	DR	CH	DATE		FROM HIN #	TO HIN #	



ALSO SEE 419-011a
FOR THE HOLDING TANK'S
LEVEL SENSING SYSTEM.

- NOTES:
MACERATOR IS POWERED
BY THE HOUSE BATTERY
TO OPERATE:
1. TURN HOUSE BATTERY SWITCH
IN AFT SEAT STORAGE TO ON.
2. SWITCH DC MAIN 2 BREAKER
AT AC/DC PANEL ON.
3. SWITCH WASTE TREATMENT
BREAKER AT AC/DC PANEL ON.
4. MACERATOR CAN NOW BE
ACTIVATED BY SWITCH IN HEAD.

LEGEND



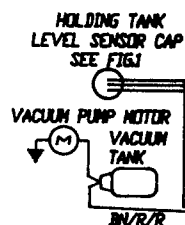
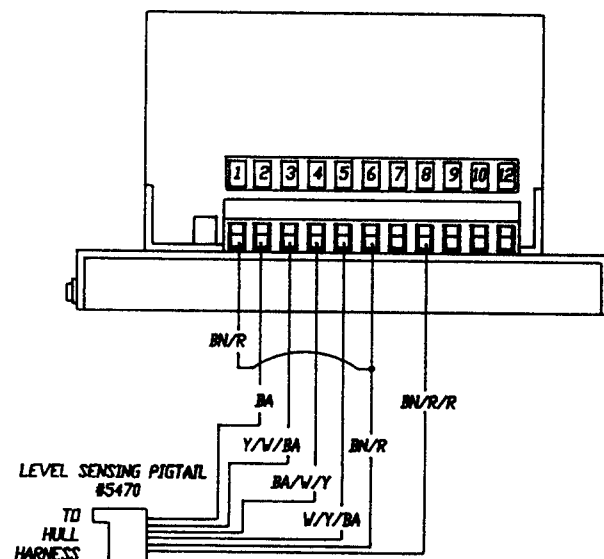
CODE	BASE COLOR	STRIPE
BA	BLACK	
BN/R	BROWN	RED
DKGN/D	DARK-GREEN	ORANGE
DKGN/R	DARK-GREEN	RED
R	RED	

THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4					FROM HIN # *	TO HIN # *	TITLE: F-419 SR1 MACERATOR (UNDER VANITY / BILGE) DR BY: KKR CH BY: DATE: 9-11-90 NO.: 419-011
	3					FROM HIN # *	TO HIN # *	
	2					FROM HIN # *	TO HIN # *	
	1					FROM HIN # *	TO HIN # *	
	#					FROM HIN # *	TO HIN # *	
REVISIONS					DR	CH	DATE	

CODE	BASE COLOR	STRIPE 1	STRIPE 2
BA	BLACK		
BA/V/Y	BLACK	WHITE	YELLOW
BN/R	BROWN	RED	
BN/R/R	BROWN	RED	RED
R	RED		
V/Y/BA	WHITE	YELLOW	BLACK
Y/V/BA	YELLOW	WHITE	BLACK

FIG2

VIEWING BOTTOM SIDE OF
HOLDING TANK LEVEL MONITOR
IN VANITY.



LOWER DASH

AC/DC PANEL
PIGTAIL #3589
+12V
HOUSE BATT.

HEAD

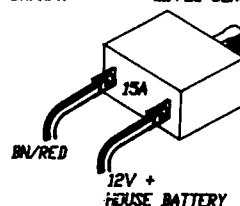
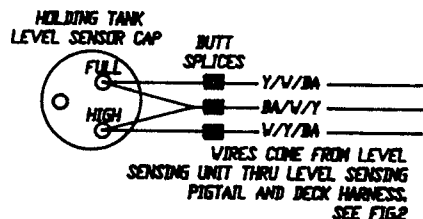
DECK HARNESS #3592

BN/R/R

LEVEL SENSING PIGTAIL #5470

ALSO SEE 419-011
FOR MACERATOR WIRING

FIG1



HEAD PUMP BREAKER
FOUND IN
AC/DC PANEL
(SHOWING BACK SIDE)

NOTES:

- THE SENSING UNIT IS POWERED BY THE HOUSE BATTERY TO FUNCTION.
- THE HOUSE BATTERY SWITCH IN THE AFT SEAT PAN MUST BE IN THE ON POSITION.
- THE DC MAIN 2 BREAKER IN THE AC/DC PANEL MUST BE SWITCHED ON.
- THE HEAD PUMP BREAKER IN THE AC/DC PANEL MUST BE SWITCHED ON.
- WHEN SENSING UNIT INDICATES FULL, THE VACUUM PUMP CIRCUIT IS OPENED AND THE POTTY WILL NOT FLUSH.

ALSO SEE 52LAND LITERATURE.

LEGEND

VACUUM PUMP MOTOR



VACUUM TANK



WIRE TO 'B' POSITIONS

BREAKER SWITCH



SPLICE



PLUG



GROUND



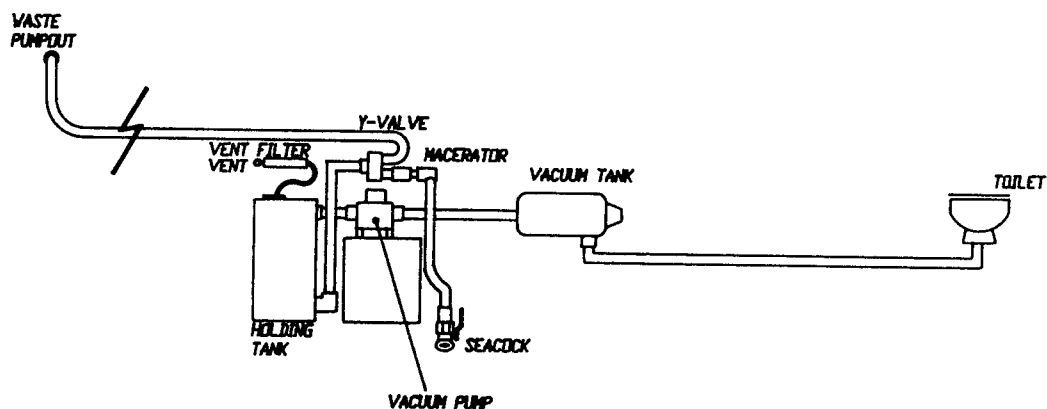
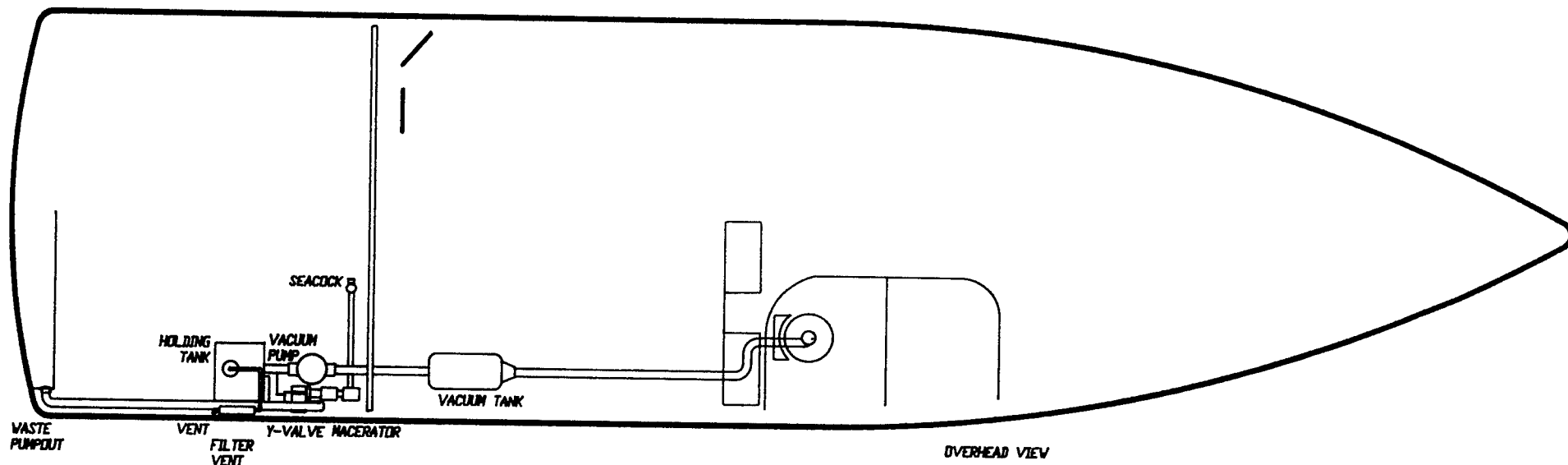
THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

REVISIONS

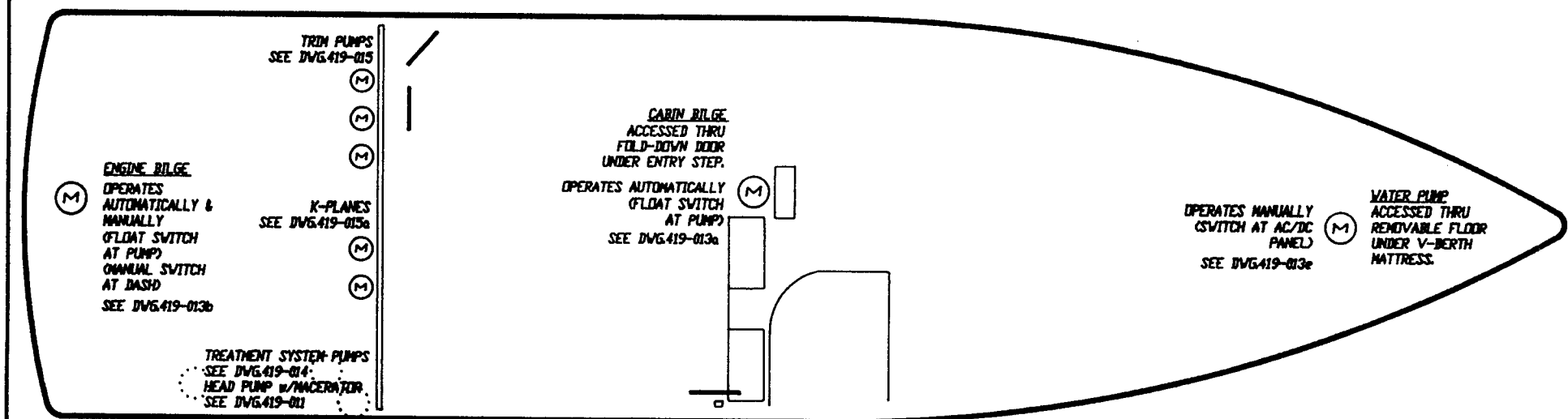
DR CH DATE

FROM HIN # * TO HIN # *
FROM HIN # * TO HIN # *
FROM HIN # * TO HIN # *
FROM HIN # * TO HIN # *
FROM HIN # * TO HIN # *

TITLE: F-419 SR1
LEVEL SENSING UNIT
(HEAD / BULGE / AC-DC PANEL)
DR BY: KKR CH BY: JCE
DATE: 9-11-90 NO: 419-011a



THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 48733 (219) 724-9111	4						FROM HIN #	TO HIN #	TITLE: F-419 SR1 MACERATOR HOOK-UP			
	3						FROM HIN #	TO HIN #				
	2						FROM HIN #	TO HIN #				
	1						FROM HIN #	TO HIN #				
	#						FROM HIN #	TO HIN #				
REVISIONS						DR	CH	DATE	FROM HIN #	TO HIN #	DR BY: KKR	CH BY:
									DATE: 10-30-90	NO.: 419-011b		



THUNDERBIRD PRODUCTS
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(219) 724-9111

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REVISIONS

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DATE

FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #

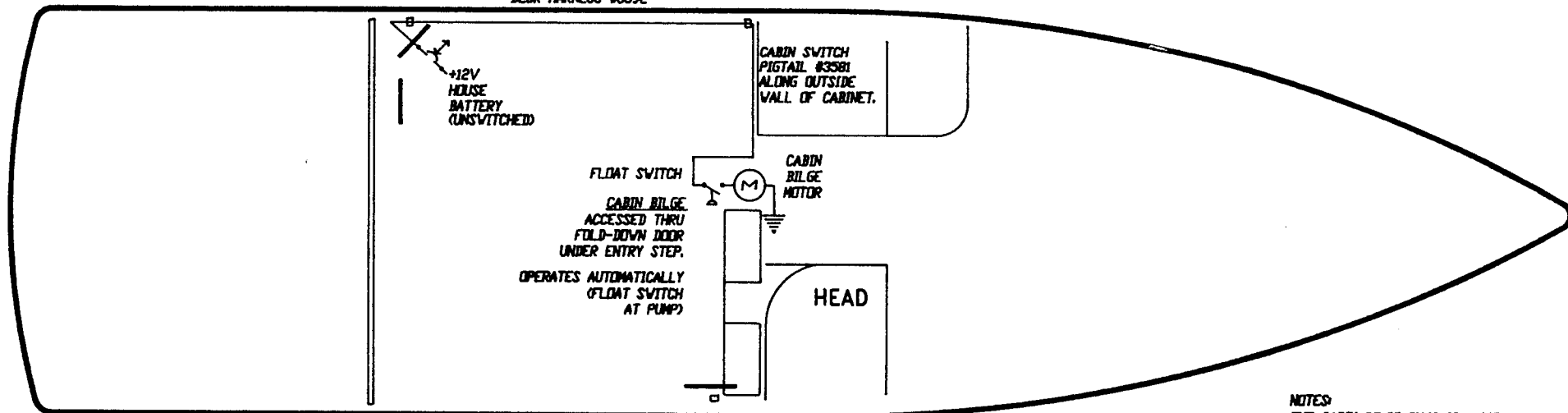
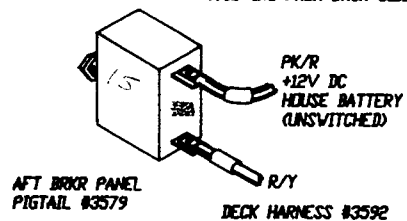
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SR1
PUMP LOCATIONS

DR BY: KKR
DATE: 9-12-90

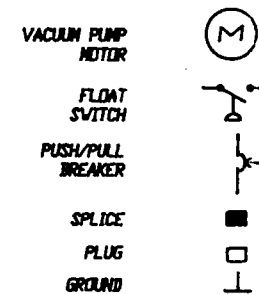
CH BY: DE
NO.: 419-013

CABIN BILGE BREAKER
AFT BREAKER PANEL
(VIEWING FROM BACK SIDE)



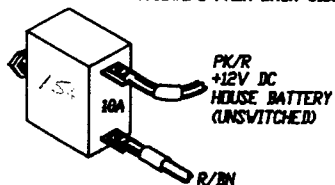
NOTES:
THE CABIN BILGE PUMP IS POWERED
BY THE HOUSE BATTERY'S CONSTANT
POWER SUPPLY.
TO REMOVE POWER FROM THE PUMP,
PULL AFT PANEL BREAKER. TURNING
OFF THE HOUSE BATTERY SWITCH WILL NOT
SHUT OFF CABIN PUMP POWER.

LEGEND



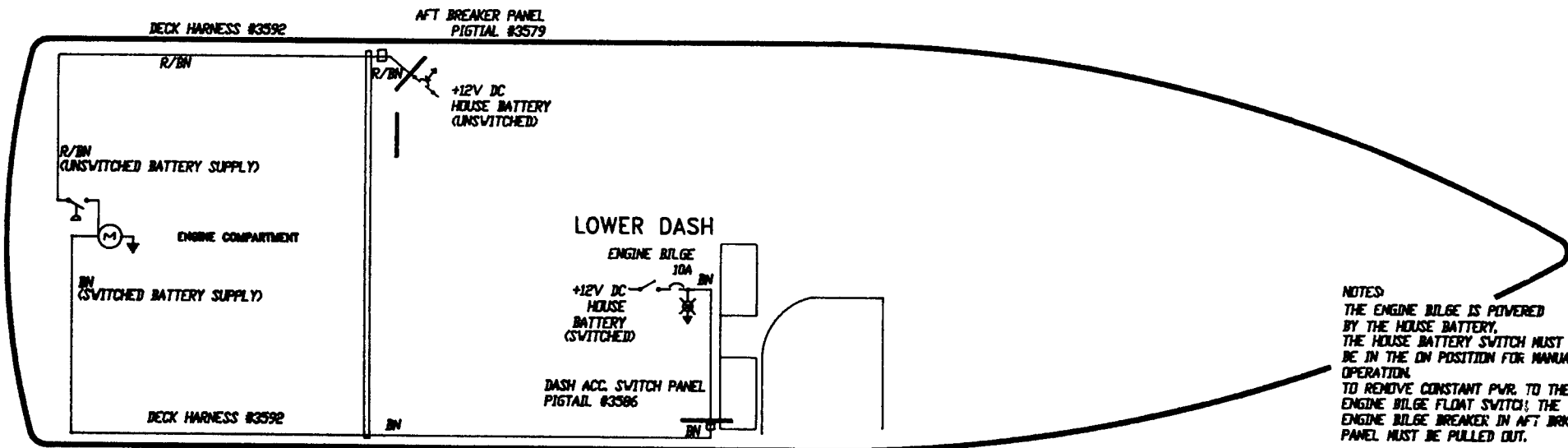
THUNDERBIRD PRODUCTS	4					FROM HIN #	TO HIN #	TITLE: F-419 SR1
P.O. BOX 501	3					FROM HIN #	TO HIN #	CABIN PUMP WIRING
DECATUR, IN 46733	2					FROM HIN #	TO HIN #	(AFT BRKR PANEL/ENTRY STEP)
(219) 724-9111	1					FROM HIN #	TO HIN #	DR BY: KCR CH BY: DE
	#	REVISIONS	DR	CH	DATE	FROM HIN #	TO HIN #	DATE: 9-12-90 NO.: 419-0130

ENGINE BILGE BREAKER
AFT BREAKER PANEL
(VIEWING FROM BACK SIDE)



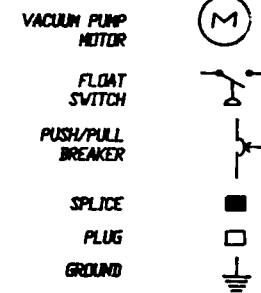
DECK HARNESS #3592

AFT BREAKER PANEL
PIGTAIL #3579

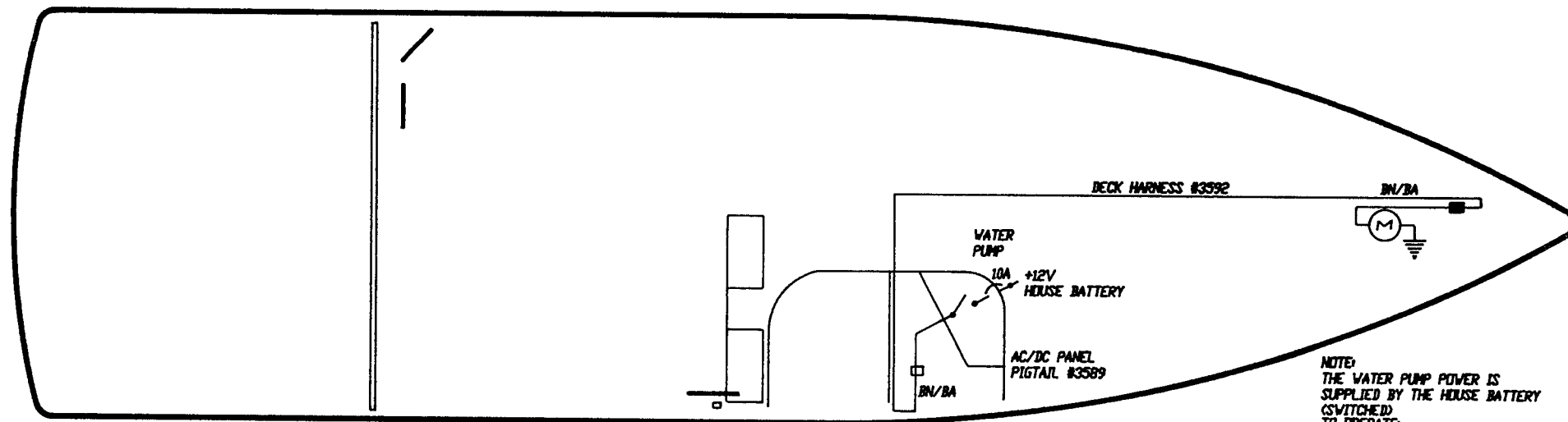


NOTES:
THE ENGINE BILGE IS POWERED
BY THE HOUSE BATTERY.
THE HOUSE BATTERY SWITCH MUST
BE IN THE ON POSITION FOR MANUAL
OPERATION.
TO REMOVE CONSTANT PWR. TO THE
ENGINE BILGE FLOAT SWITCH, THE
ENGINE BILGE BREAKER IN AFT BRKR.
PANEL MUST BE PULLED OUT.

LEGEND



THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4					FROM HIN #	TO HIN #	TITLE: F-419 SR1 ENGINE BILGE PUMP (AFT BILGE / DASH)
	3					FROM HIN #	TO HIN #	
	2					FROM HIN #	TO HIN #	
	1					FROM HIN #	TO HIN #	DR BY: KKR CH BY:
	#	REVISIONS	DR	CH	DATE	FROM HIN #	TO HIN #	DATE: 9-12-90 NO.: 419-03b



NOTE:
THE WATER PUMP POWER IS
SUPPLIED BY THE HOUSE BATTERY
(SWITCHED)
TO OPERATE:
1. THE HOUSE BATTERY SWITCH
MUST BE SWITCHED 'ON'.
2. THE DC 'MAIN 2' ON THE AC/DC
PANEL MUST BE IN THE ON
POSITION.
3. THE WATER PUMP SWITCH
AT THE AC/DC PANEL CAN
NOW BE SWITCHED ON TO
ACTIVATE PUMP.

LEGEND

BREAKER SWITCH



PUMP
MOTOR



SPLICE



PLUG



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

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REVISIONS

OR

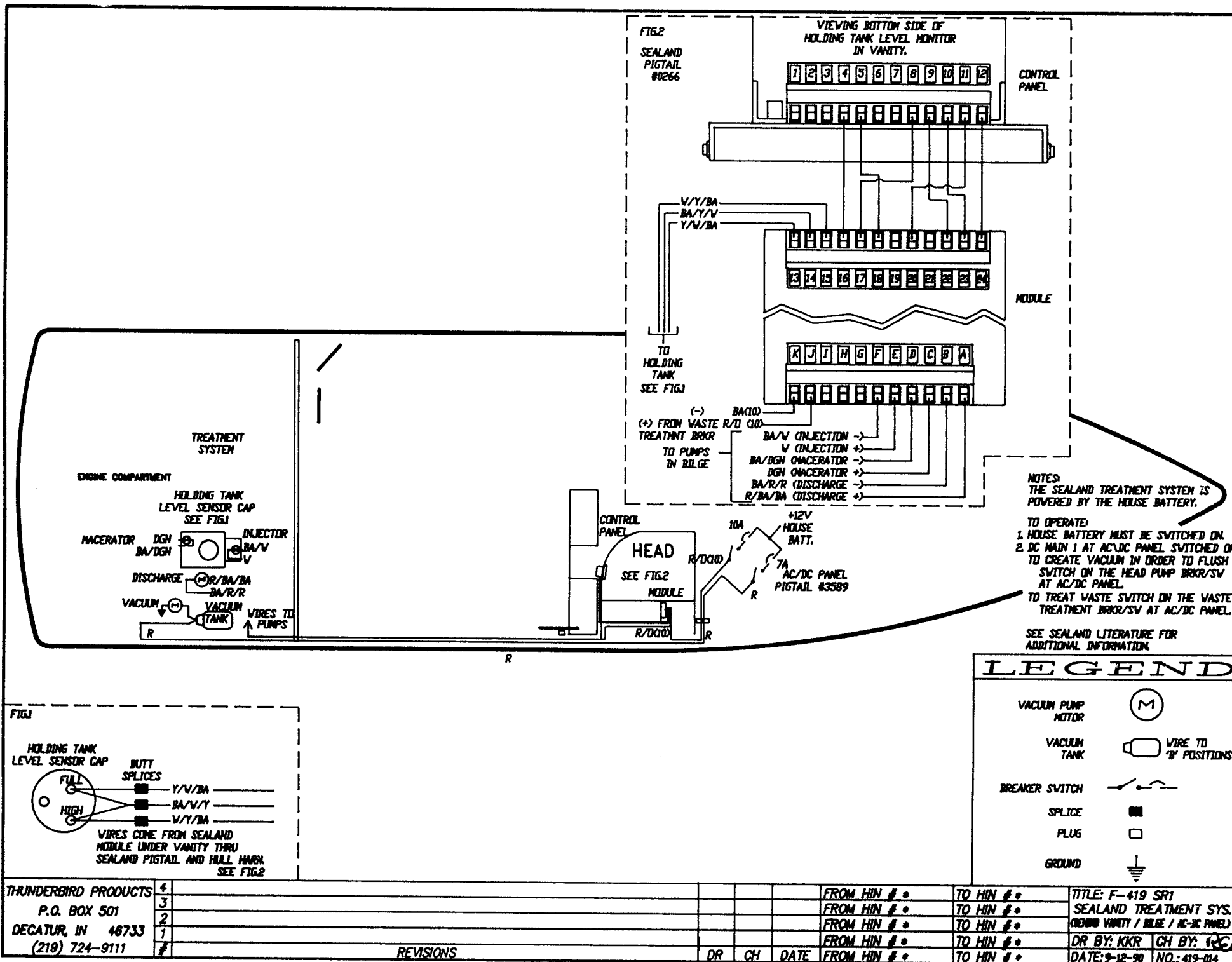
CH

DATE

FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #

TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SRI
WATER PUMP WIRING
AC/DC PANEL / V-BERTHD
DR BY: KKR CH BY: RE
DATE: 9-12-90 NC: 412-413



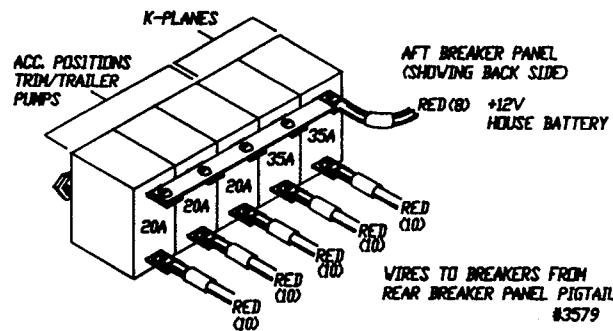
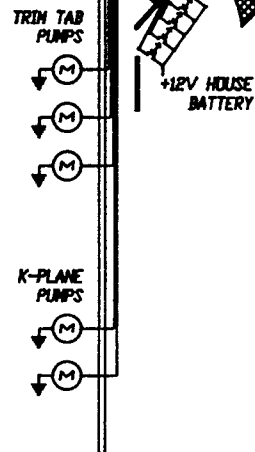
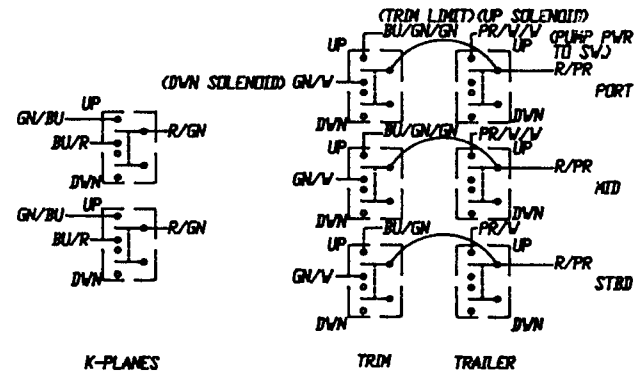


FIG 1

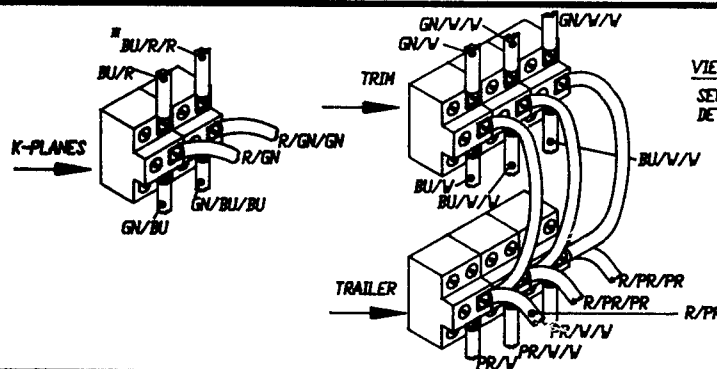


LOWER DASH
SEE FIG 1

- NOTES:
- TRIM AND K-PLANE PUMPS ARE POWERED BY THE HOUSE BATTERY.
 - SEE KIECKHAFER OWNERS MANUAL FOR K-PLANE WIRING.
 - SEE DVG419-015a FOR TRIM PUMP WIRING.

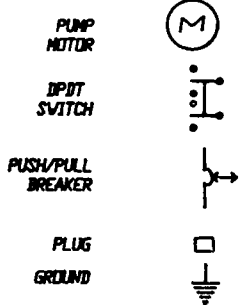
CODE	BASE COLOR	STRIPE
BA	BLACK	
BL/R	BLUE	RED
BL/V	BLUE	WHITE
GN/BU	GREEN	BLUE
GN/V	GREEN	WHITE
PR/V	PURPLE	WHITE
R	RED	
R/GN	RED	GREEN
R/PR	RED	PURPLE

BL/R/R
STRIPE 2
STRIPE 1
BASE COLOR



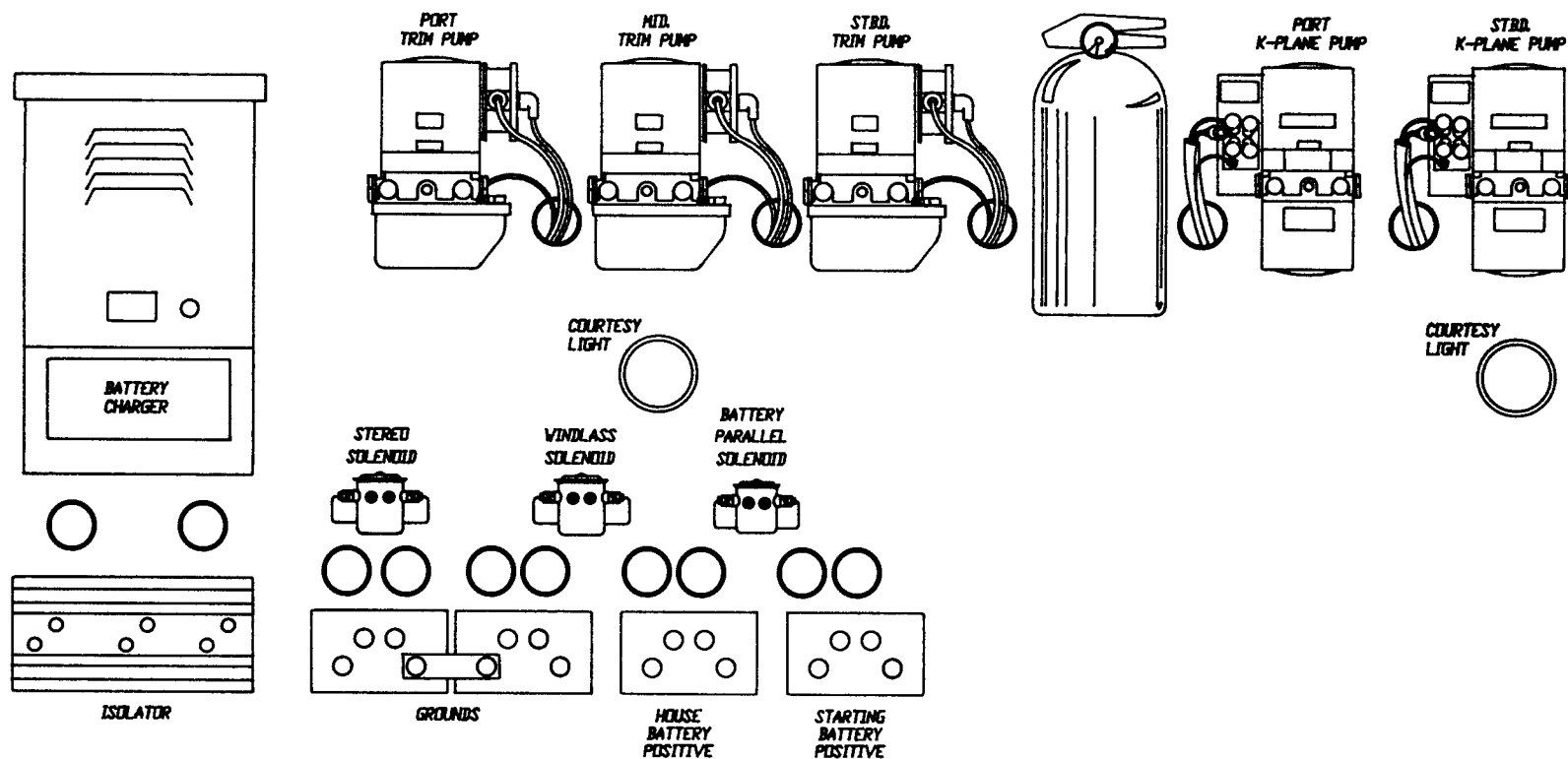
VIEWING FROM BACK SIDE
SEE FIG 1 FOR SCHEMATIC
DETAIL.

LEGEND



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

REV	REVISIONS	DR	CH	DATE	FROM HIN #	TO HIN #	TITLE: F-419 TRIM & K-PLANE PUMPS (ORIG / SHIFTER PANEL)
4					FROM HIN #	TO HIN #	DR BY: KKR CH BY: R/R
3					FROM HIN #	TO HIN #	DATE: 5-22-90 NO: 369-015
2					FROM HIN #	TO HIN #	
1					FROM HIN #	TO HIN #	
#					FROM HIN #	TO HIN #	



BILGE WALL

THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

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REVISIONS

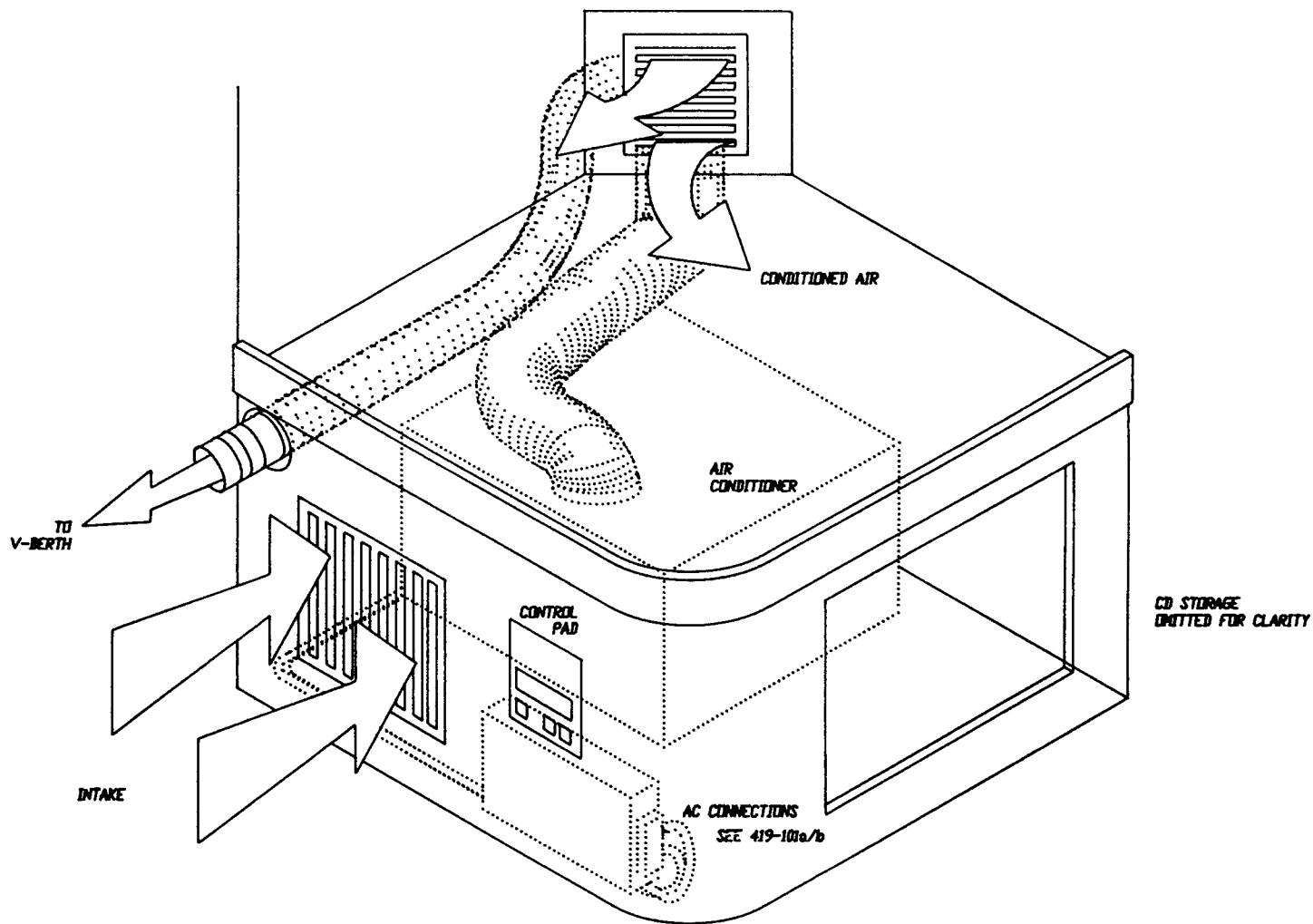
DR CH DATE

FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #

TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SR1
BILGE WALL EQUIP. PLCHNT.
(FORE BILGE)

DR BY: KKR CH BY: D.E.
DATE: 9-13-90 NO.: 419-016



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

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REVISIONS

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CH

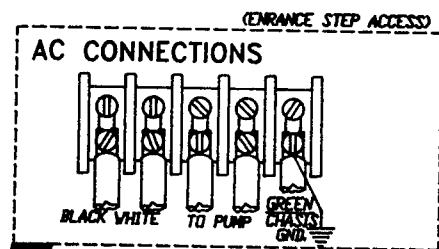
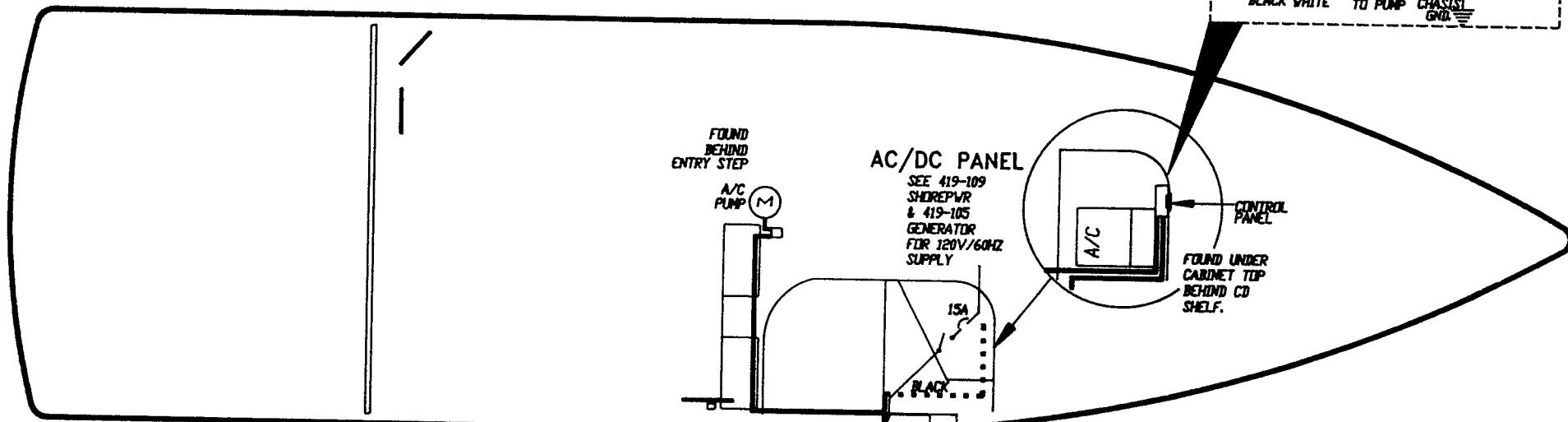
DATE

FROM HIN #
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FROM HIN #
FROM HIN #
FROM HIN #

TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SR1
AIR CONDITIONER
ENTERTAINMENT CENTER

DR BY: KKR CH BY: R.E.
DATE: 9-21-90 NO: 419-101



AC/DC PANEL

SEE 419-109
SHOREPOWER
& 419-105
GENERATOR
FOR 120V/60HZ
SUPPLY

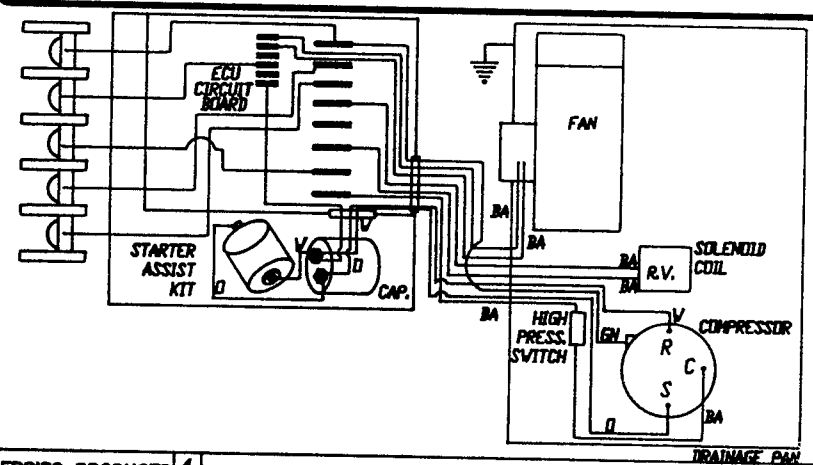
FOUND
BEHIND
ENTRY STEP

A/C
PUMP

CONTROL
PANEL

FOUND UNDER
CABINET TOP
BEHIND CD
SHELF.

WHITE GREEN
AC NEUTRAL BLOCK SAFETY GND BLOCK

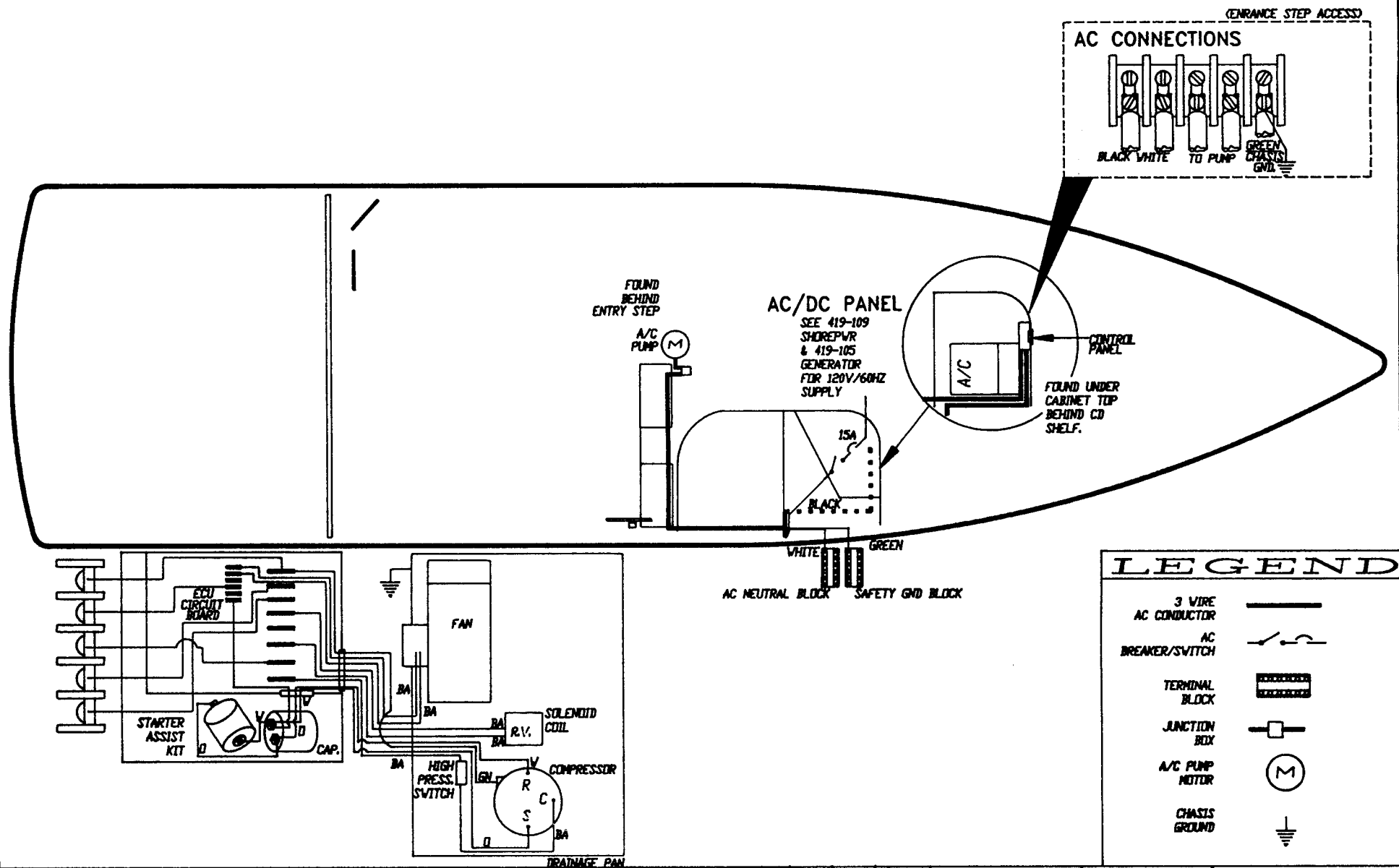


LEGEND

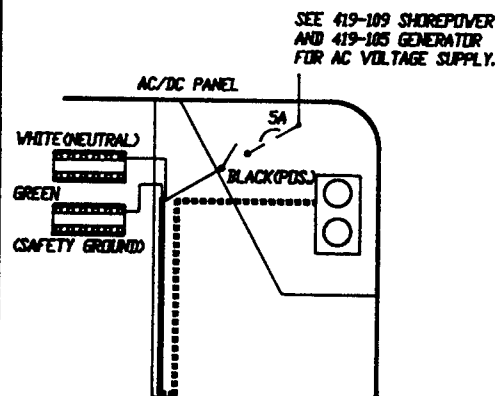
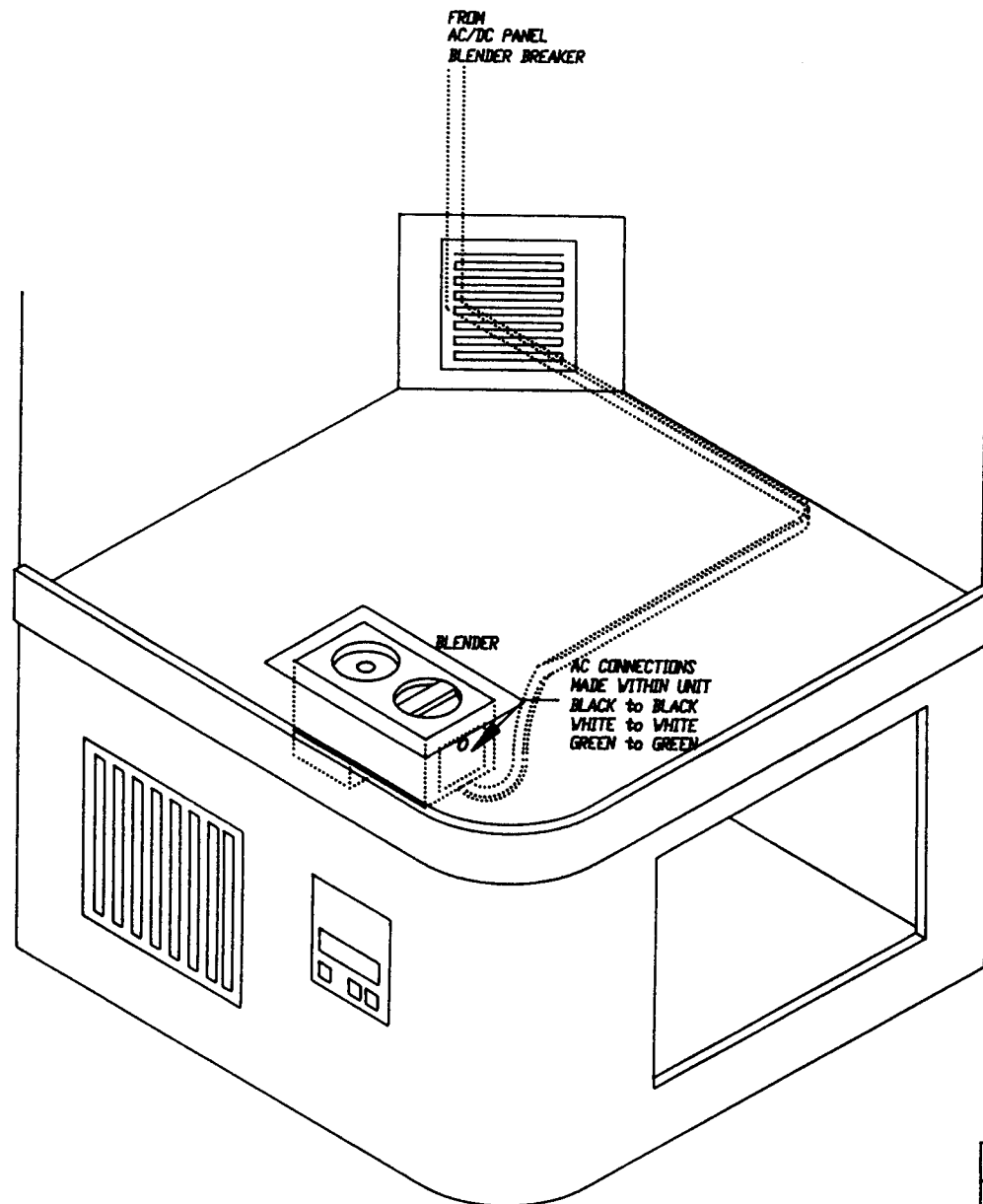
- 3 WIRE AC CONDUCTOR
- AC BREAKER/SWITCH
- TERMINAL BLOCK
- JUNCTION BOX
- A/C PUMP MOTOR
- CHASSIS GROUND

THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

REV	DESCRIPTION	DR	CH	DATE	FROM HIN #	TO HIN #	TITLE
4					FROM HIN #	TO HIN #	TITLE: F-419 SRI (110v) AIR CONDITIONER WIRING
3					FROM HIN #	TO HIN #	
2					FROM HIN #	TO HIN #	
1					FROM HIN #	TO HIN #	
REVISIONS					FROM HIN #	TO HIN #	DR BY: KKR
					FROM HIN #	TO HIN #	CH BY: KKR
					FROM HIN #	TO HIN #	DATE: 9-27-90
					FROM HIN #	TO HIN #	NO.: 419-101



THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-0111	1					FROM HIN #	TO HIN #	TITLE: F-419 SR1 (220V 50HZ) AIR CONDITIONER WIRING DR BY: KKR CH BY: RZ DATE: 9-27-90 NO.: 419-101 b
	3					FROM HIN #	TO HIN #	
	2					FROM HIN #	TO HIN #	
	1					FROM HIN #	TO HIN #	
	#					FROM HIN #	TO HIN #	
REVISIONS		DR	CH	DATE				



LEGEND

BREAKER / SWITCH



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

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REVISIONS

DR

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FROM HIN #
FROM HIN #
FROM HIN #
FROM HIN #

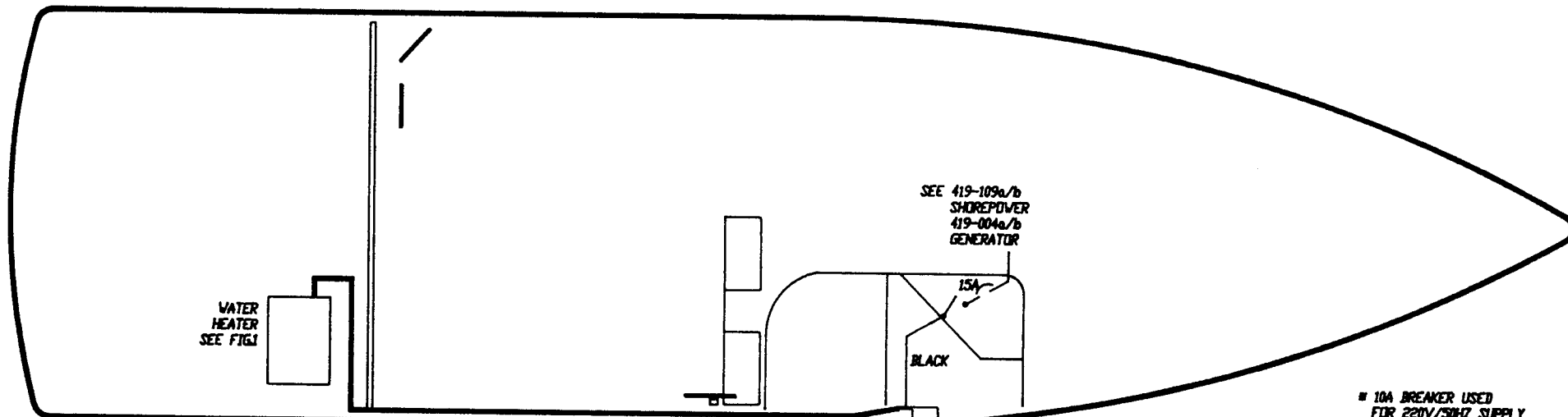
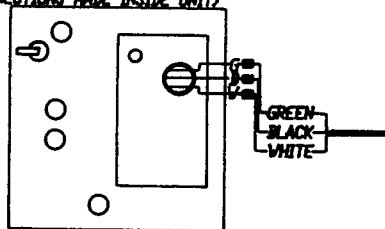
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SR1
BLENDER

DR BY: KCR
DATE: 10-1-90

CH BY: *RE*
NO.: 419-103

FIG. 1
WATER HEATER
(FACING SIDE WITH CONNECTIONS)
(CONNECTIONS MADE INSIDE UNIT)



CONDUCTORS RUN IN DECK

WHITE GREEN
NEUTRAL SAFETY GND BLOCK

LEGEND

3 WIRE
AC CONDUCTOR

AC
BREAKER/SWITCH

SPLICE

TERMINAL
BLOCK

THUNDERBIRD PRODUCTS
P.O. BOX 501
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(219) 724-9111

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REVISIONS

DR CH DATE

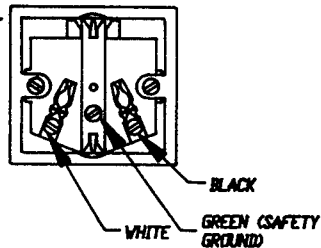
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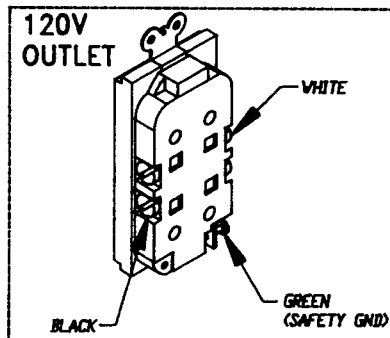
TITLE: F-419 SR1
WATER HEATER

DR BY: KKR CH BY: RSR
DATE: 10-1-90 NO.: 419-106b

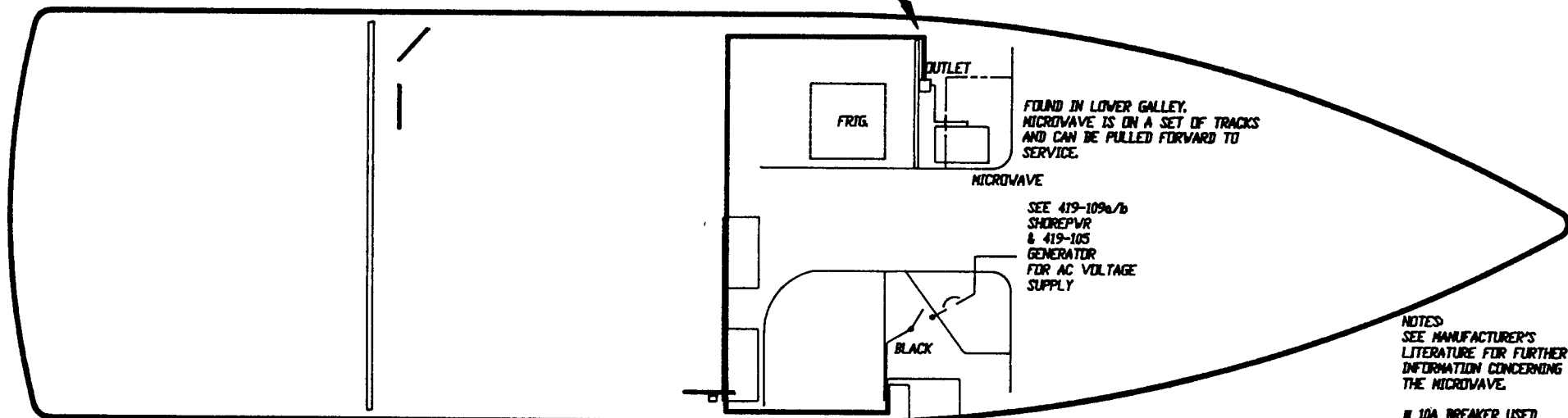
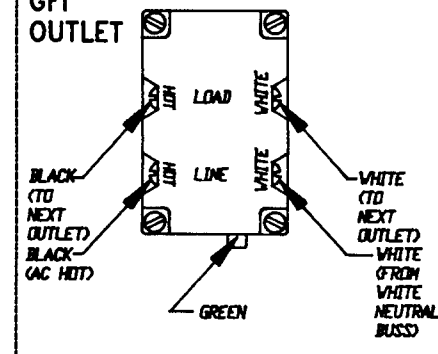
220V OUTLET



120V OUTLET



GFI OUTLET



FOUND IN LOWER GALLEY,
MICROWAVE IS ON A SET OF TRACKS
AND CAN BE PULLED FORWARD TO
SERVICE.

MICROWAVE

SEE 419-109a/b
SHOREPWR
& 419-105
GENERATOR
FOR AC VOLTAGE
SUPPLY

NOTES:
SEE MANUFACTURER'S
LITERATURE FOR FURTHER
INFORMATION CONCERNING
THE MICROWAVE.

10A BREAKER USED
FOR 220V/50HZ SUPPLY

WHITE
NEUTRAL BLOCK

GREEN
SAFETY GND BLOCK

LEGEND

3 WIRE
AC CONDUCTOR

AC
BREAKER/SWITCH

TERMINAL
BLOCK

THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

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REVISIONS

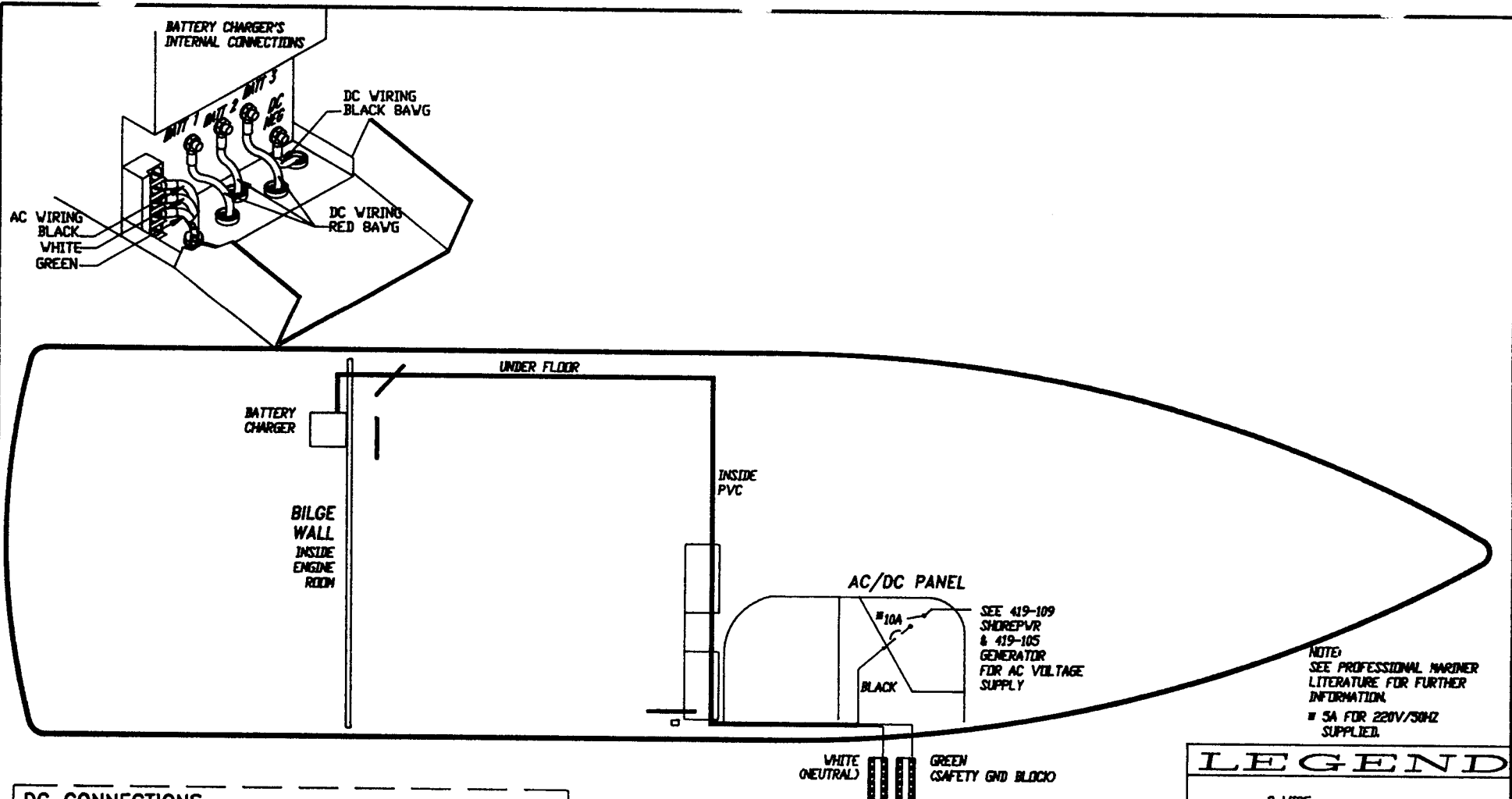
DR CH DATE

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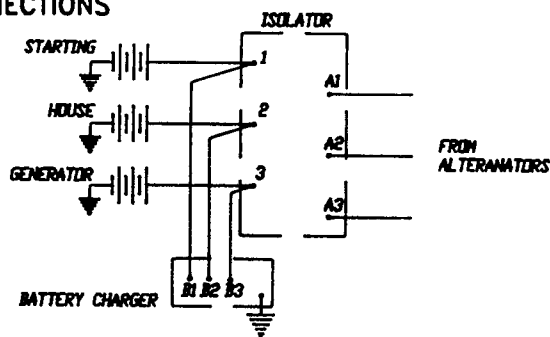
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SR1
MICROWAVE
(AC/DC PANEL / GALLEY)

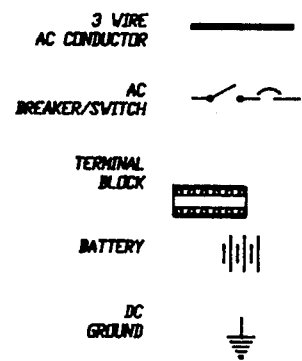
DR BY: KKR CH BY: RE
DATE: 10-2-90 NO.: 419-107



DC CONNECTIONS

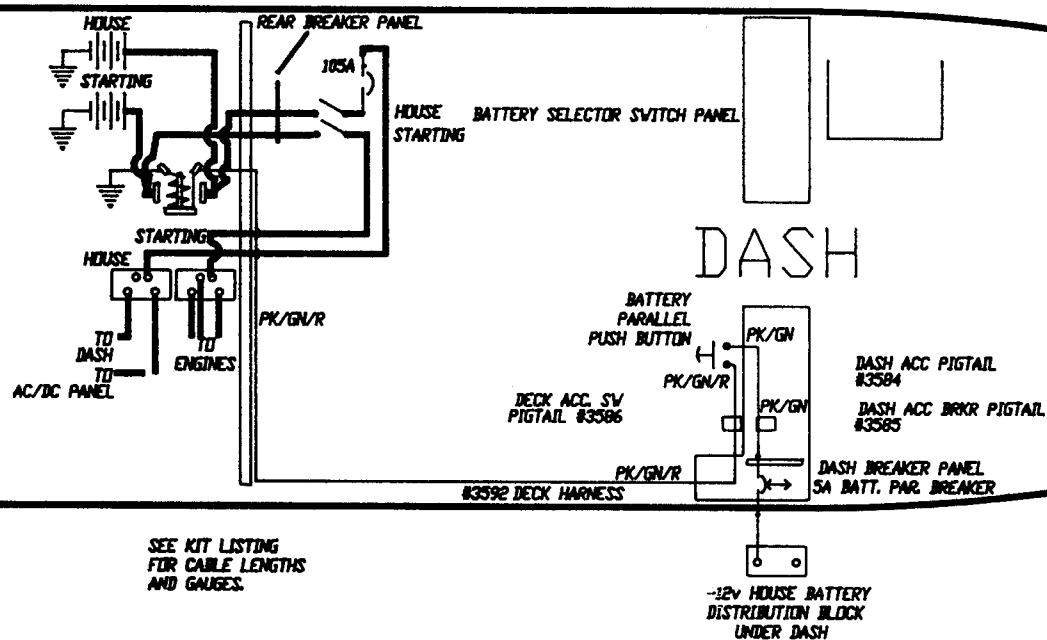
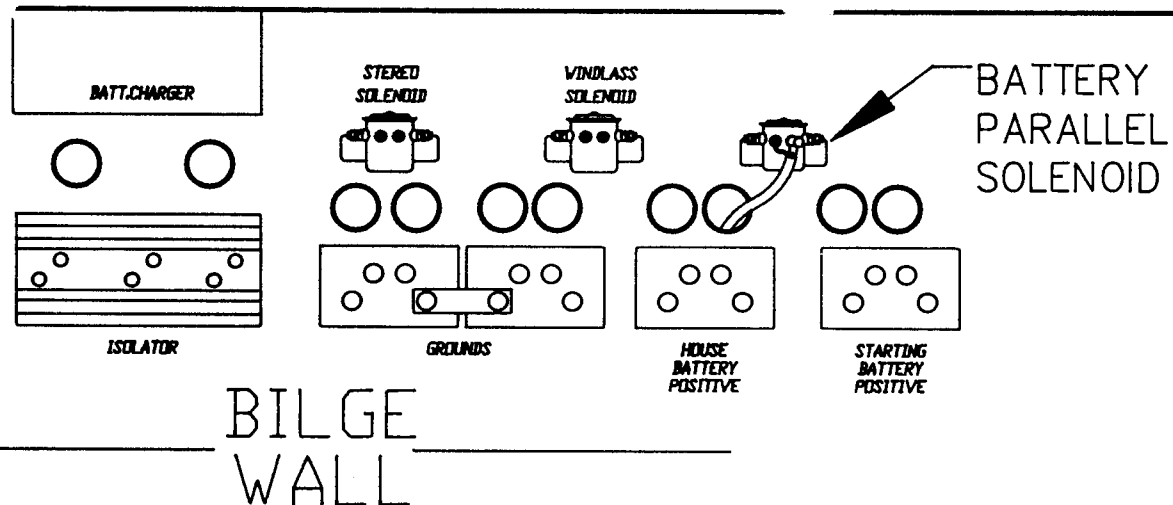


LEGEND



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

REV	DESCRIPTION	DR	CH	DATE	FROM HIN #	TO HIN #	TITLE: F-419 SR1 BATTERY CHARGER WIRING (AC/DC PANEL / BILGE WALL) DR BY: KKR CH BY: RC DATE: 9-28-90 NO.: 419-102
4							
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SEE KIT LISTING
FOR CABLE LENGTHS
AND GAUGES.

LEGEND

ON/OFF SWITCH	
PUSH/PULL BREAKER	
PLEX DISTRIBUTION BLOCK	
BATTERY	
BREAKER	
INTERMIT. SOLENOID	
NORMALLY OPEN PUSH BUTTON SWITCH	

THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4					FROM HIN #	TO HIN #	TITLE: F-419 SRI BATTERY PARALLEL CIRCUIT DR BY: KKR CH BY: RSE DATE: 8-17-90 NO.: 415-001
	3					FROM HIN #	TO HIN #	
	2					FROM HIN #	TO HIN #	
	1					FROM HIN #	TO HIN #	
	#					FROM HIN #	TO HIN #	
REVISIONS		DR	CH	DATE				

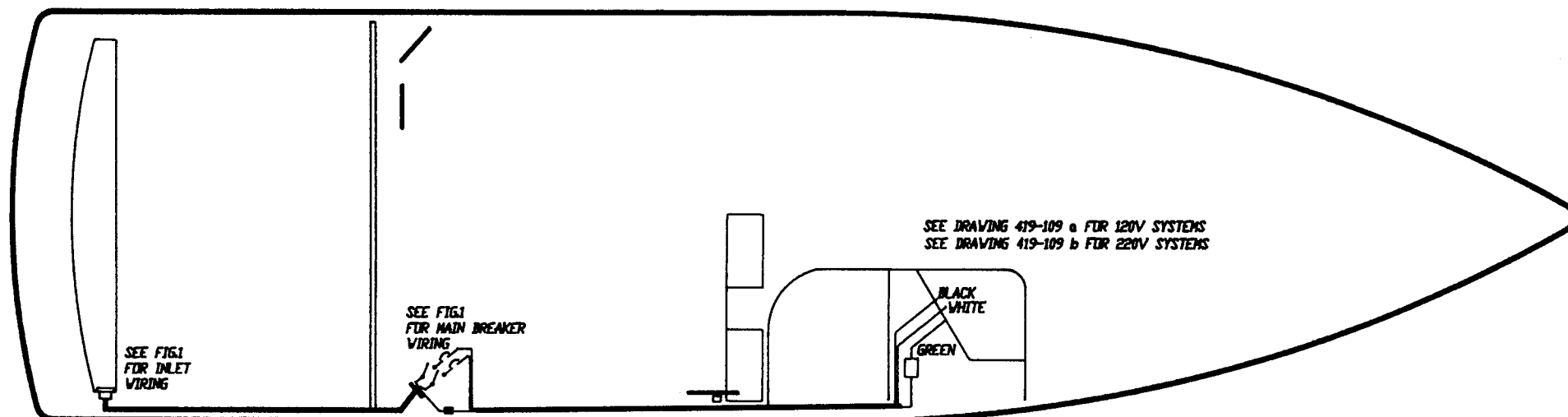
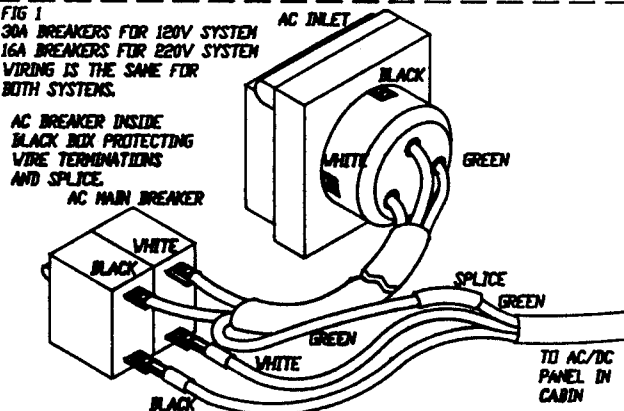


FIG 1
30A BREAKERS FOR 120V SYSTEM
16A BREAKERS FOR 220V SYSTEM
WIRING IS THE SAME FOR
BOTH SYSTEMS.



CONDUCTORS RUN IN DECK



LEGEND

3 WIRE AC CONDUCTOR	
SPLICE	
AC BREAKER/SWITCH	
TERMINAL BLOCK	
CHASSIS GROUND	

THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
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REVISIONS

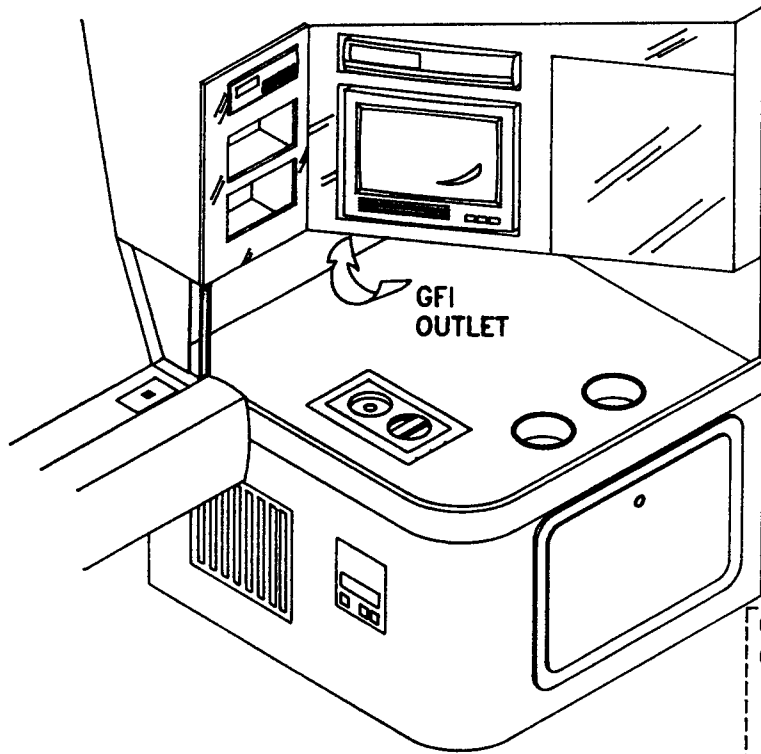
DR CH DATE

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FROM HIN #	TO HIN #

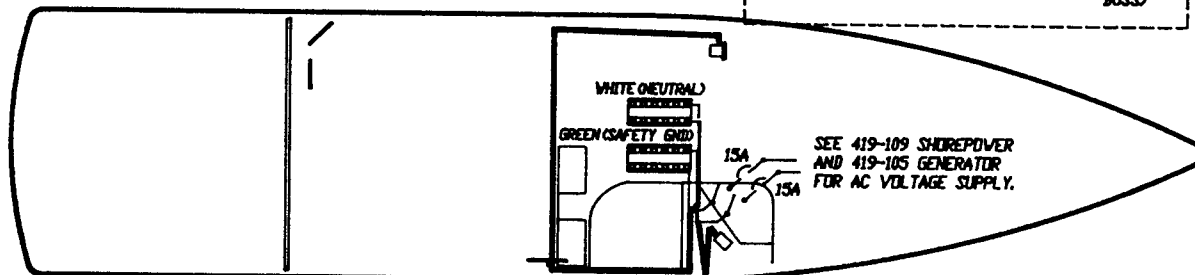
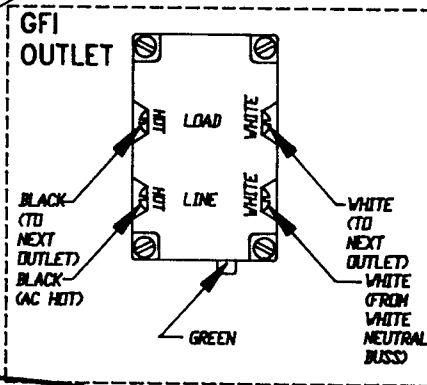
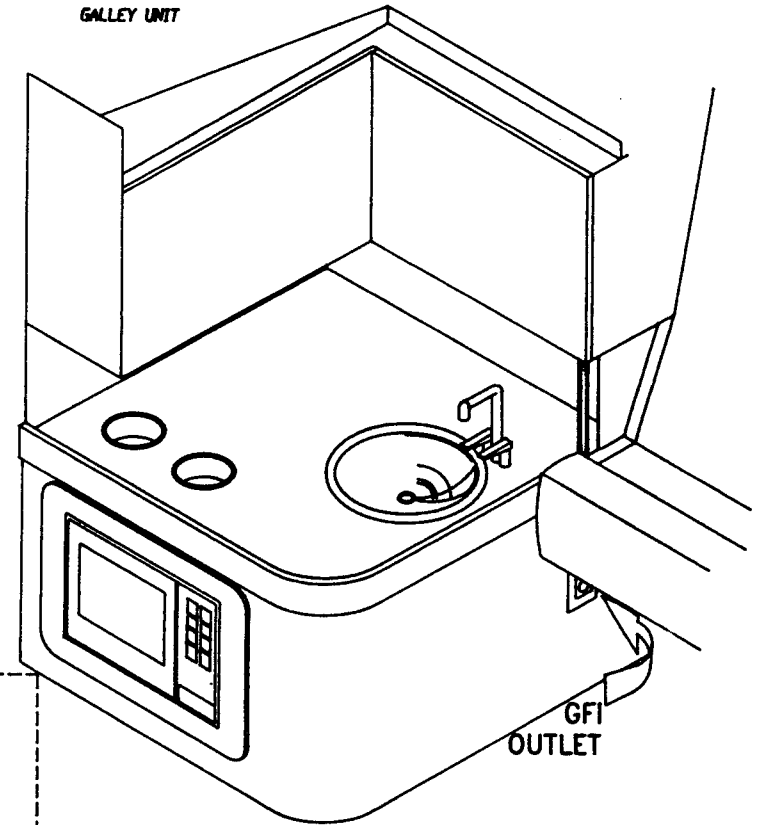
TITLE: F-419 SR1
SHOREPOWER

DR BY: KKR CH BY:
DATE: 10-3-90 NO. 419-109

ENTERTAINMENT CENTER



GALLEY UNIT



AC/DC PANEL

LEGEND

BREAKER / SWITCH



TERMINAL BLOCK

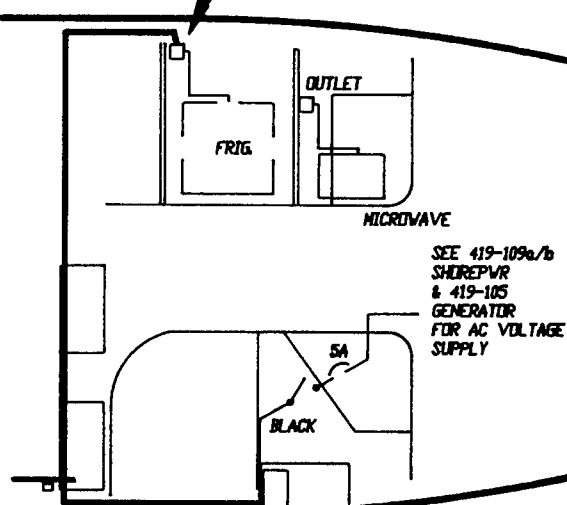
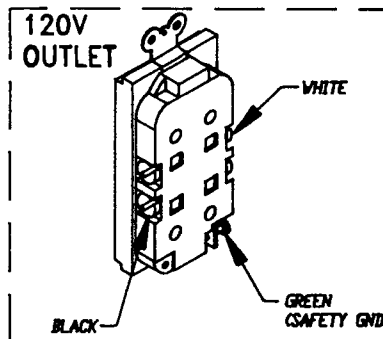
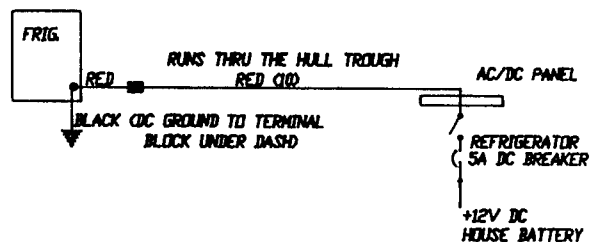


THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-8111

REV	DESCRIPTION	DATE	BY	CHK	FROM HIN #	TO HIN #	TITLE: F-419 SR2 OUTLETS
4							
3							
2							
1							
0							
REVISIONS					DR	CH	DATE: 10-10-90
							NO.: 419-113

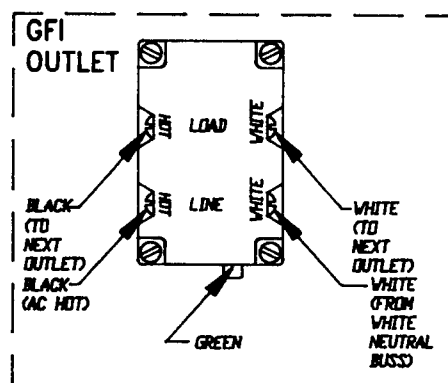
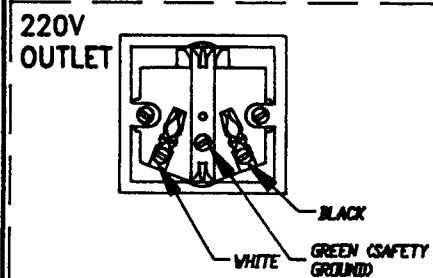
DR BY: KKR CH BY: AE
DATE: 10-10-90

DC WIRING FOR 120V AND 220V UNITS

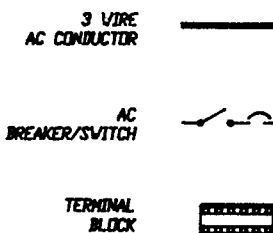


NOTES:
SEE MANUFACTURER'S LITERATURE FOR FURTHER INFORMATION CONCERNING THE REFRIGERATOR.

5A BREAKER USED FOR 220V/50HZ SUPPLY



LEGEND



THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

4
3
2
1
#

REVISIONS

DR CH DATE

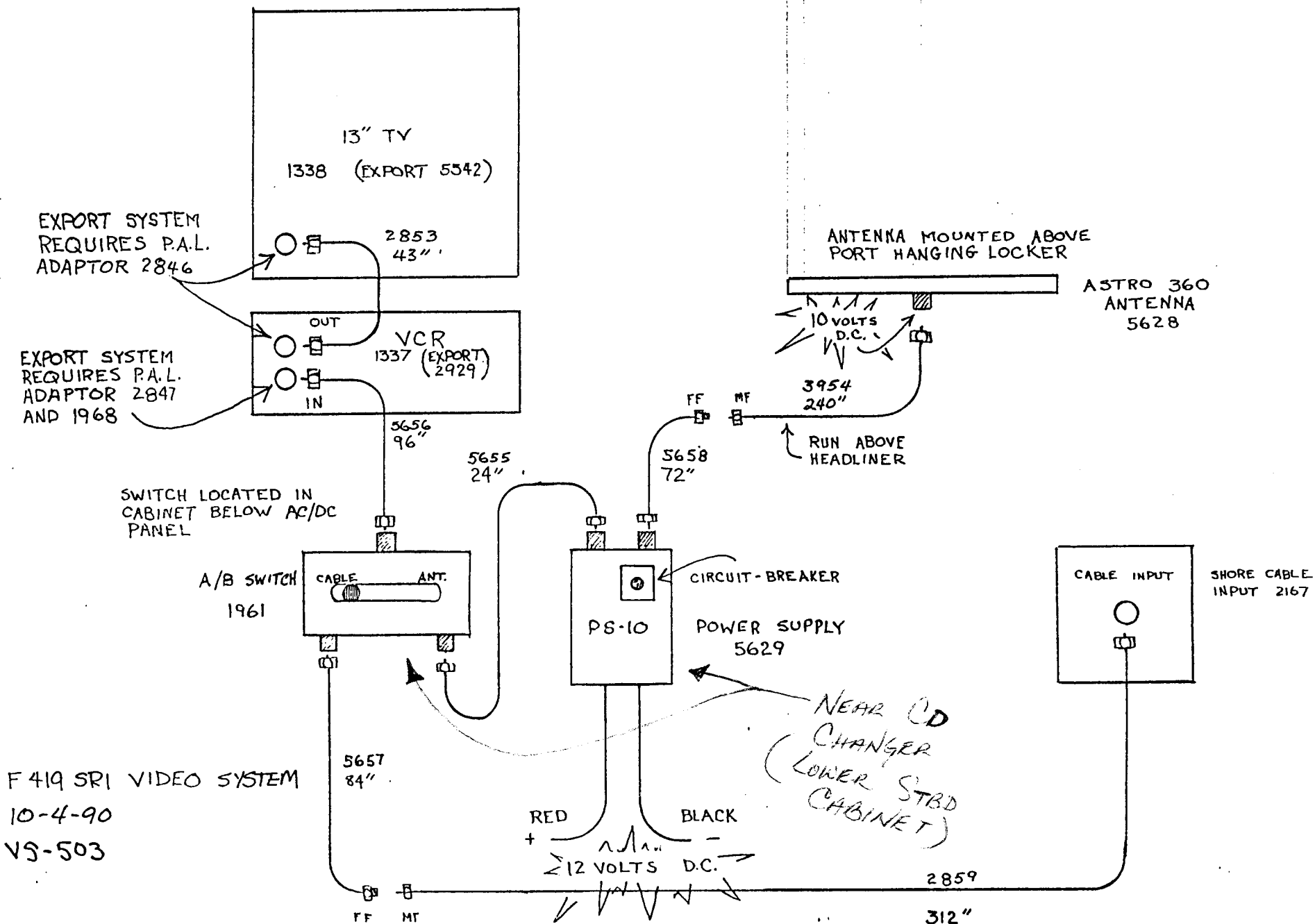
FROM HIN #	TO HIN #
FROM HIN #	TO HIN #
FROM HIN #	TO HIN #
FROM HIN #	TO HIN #
FROM HIN #	TO HIN #

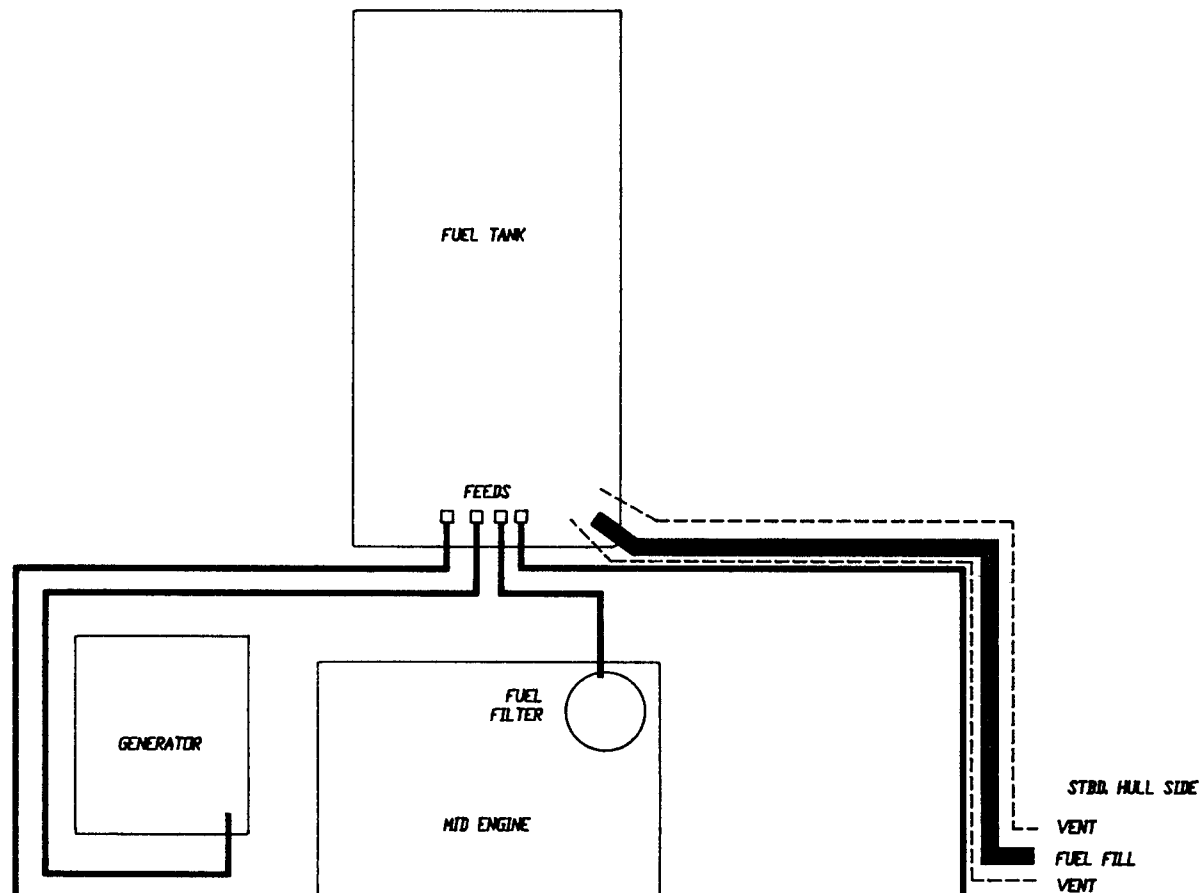
TITLE: F-419 SR1 REFRIGERATOR (AC/DC PANEL / GALLEY)

DR BY: JKR CH BY: RSE

DATE: 10-2-90 NO.: 419-109

6





LEGEND

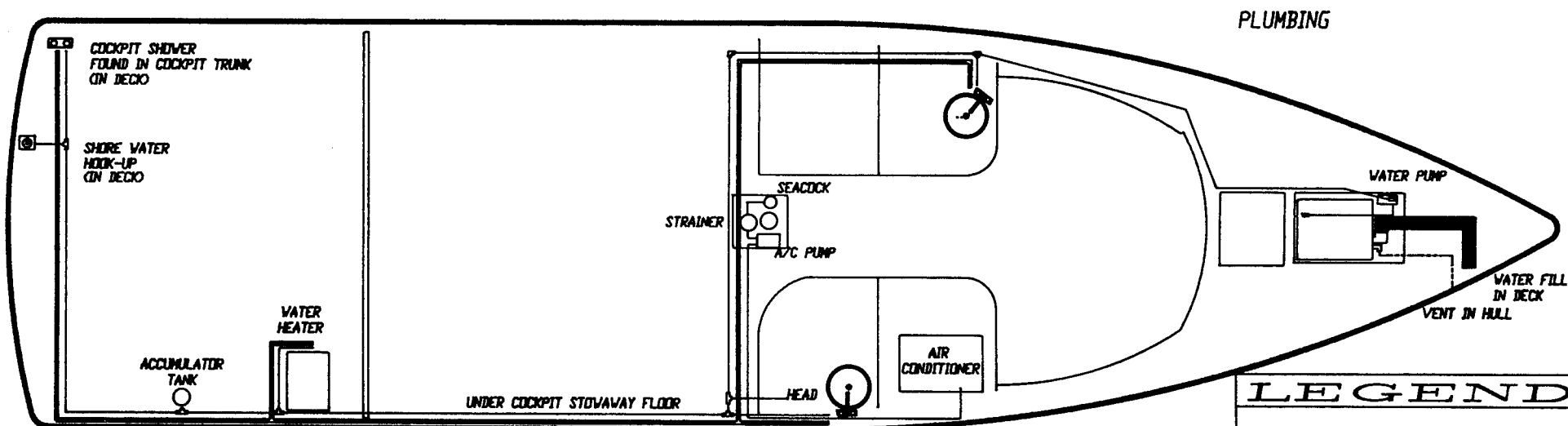
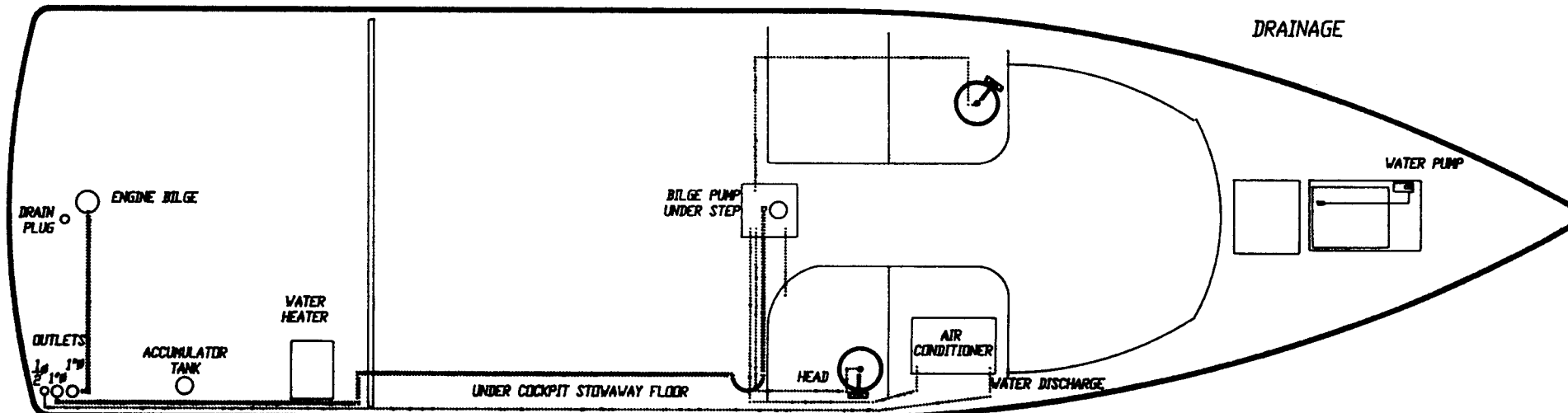
FUEL LINES
USCG TYPE A-1
3/8" SAE J1527
(9.525 mm)

FUEL FILL
USCG TYPE A-1
1 1/2" ID SAE J1527
2 (38.1 mm)

VENT LINE
USCG TYPE A-1
5/8" SAE J1527
(15.8 mm)

THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-8111

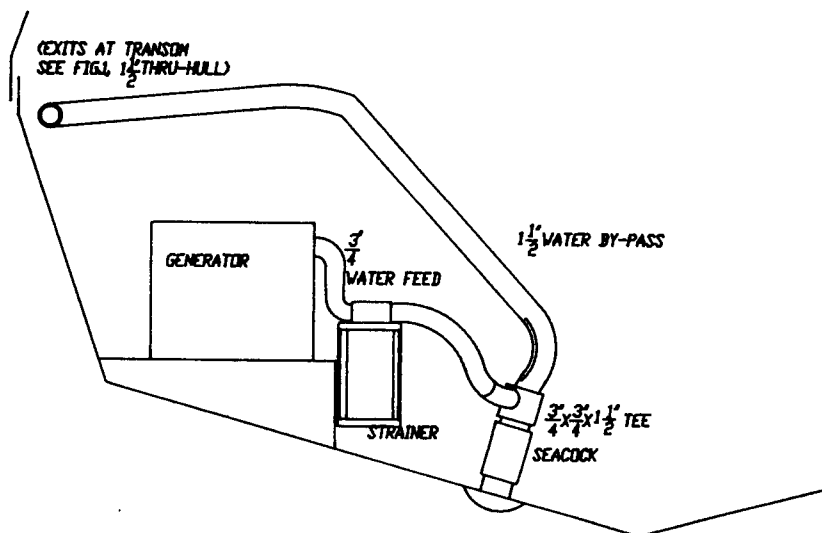
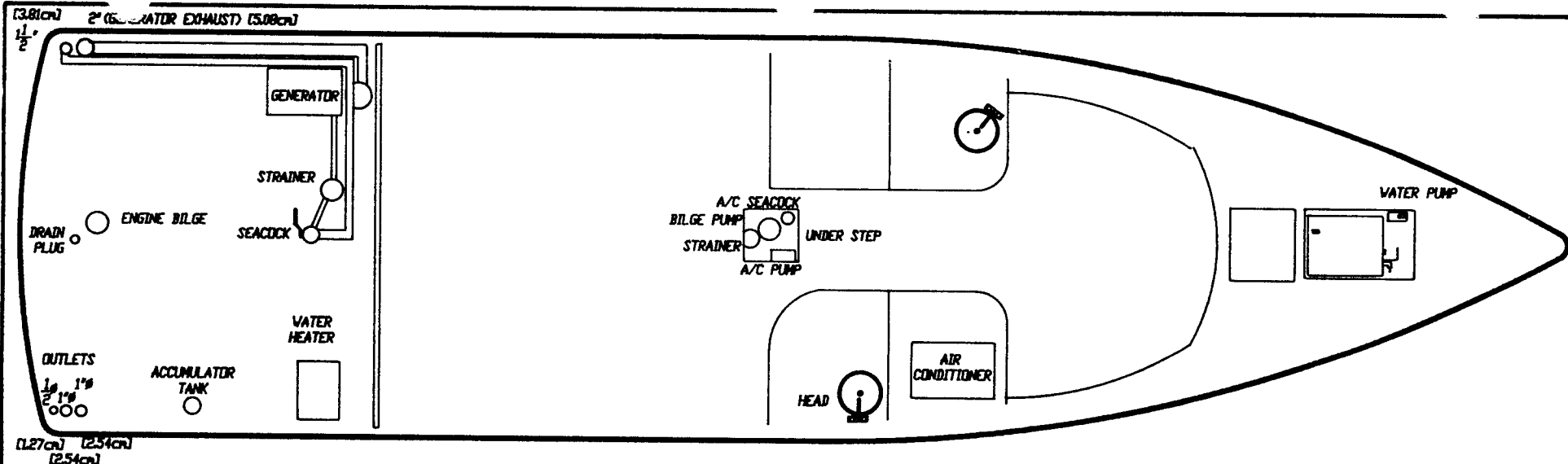
4					FROM HIN #	TO HIN #	TITLE: 419 SR3 FUEL SYSTEM DIAGRAM (GAS)
3					FROM HIN #	TO HIN #	
2					FROM HIN #	TO HIN #	
1					FROM HIN #	TO HIN #	
#	REVISIONS	DR	CH	DATE	FROM HIN #	TO HIN #	
							DR BY: KKR CH BY: LKZ
							DATE: 10-19-90 NO.: 419-130 a



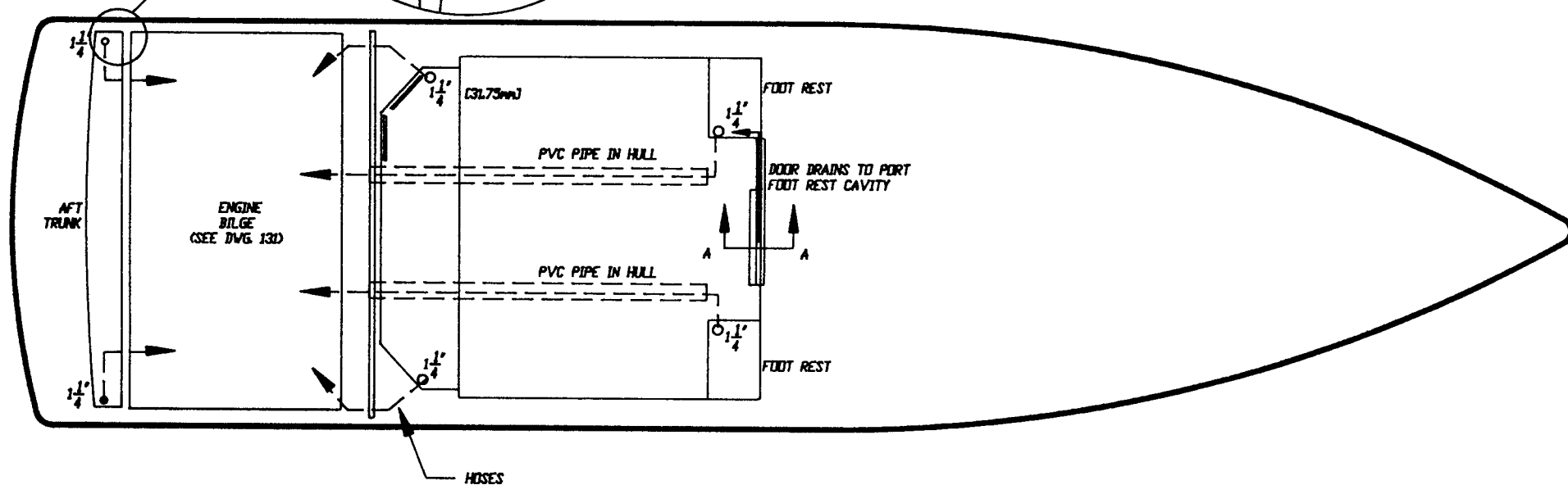
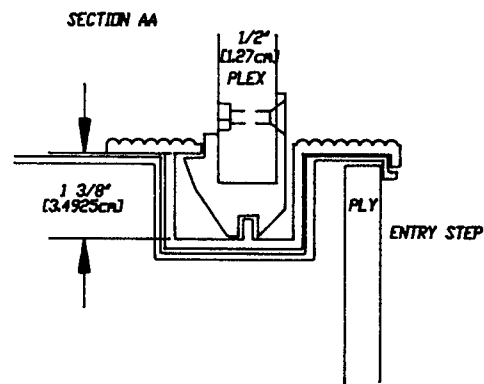
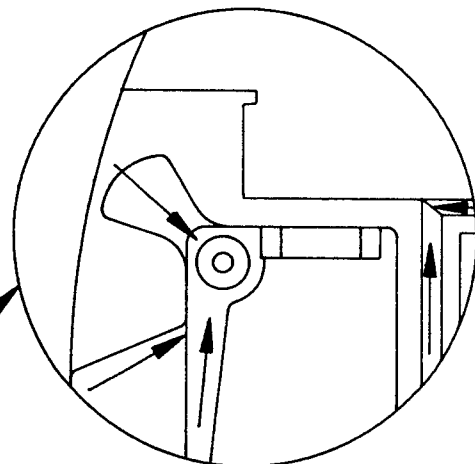
LEGEND

COLD WATER LINE	—
HOT WATER LINE	—
DRAINAGE	—
VENT LINES	—
WATER FILL	—

THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4						FROM HIN #	TO HIN #	TITLE: 419 SR1 PLUMBING SYSTEM
	3						FROM HIN #	TO HIN #	
	2						FROM HIN #	TO HIN #	
	1						FROM HIN #	TO HIN #	
	#						FROM HIN #	TO HIN #	DR BY: KKR CH BY: DATE: 10-19-90 NO.: 419-131
REVISIONS					DR	CH	DATE		



THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-8111	4					FROM HIN #	TO HIN #	TITLE: 419 SR1 GENERATOR WATER SYSTEM CIRCUIT
	3					FROM HIN #	TO HIN #	
	2					FROM HIN #	TO HIN #	
	1					FROM HIN #	TO HIN #	
		REVISIONS	DR	CH	DATE	FROM HIN #	TO HIN #	DR BY: KKR CH BY: NO: 419-131



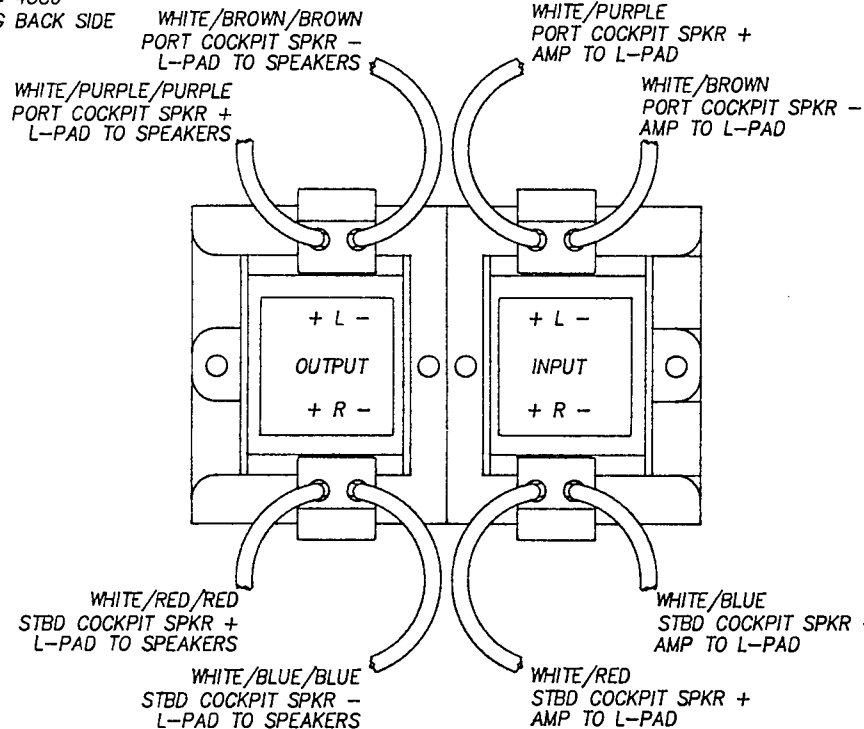
NOTE:
ALL DRAINS SIT ABOVE
WATERLINE

THUNDERBIRD PRODUCTS P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111	4					FROM HIN #	TO HIN #	TITLE: 419 SR1 COCKPIT DRAINAGE
	3					FROM HIN #	TO HIN #	
	2					FROM HIN #	TO HIN #	
	1					FROM HIN #	TO HIN #	
	#					FROM HIN #	TO HIN #	DR BY: KKR CH BY: DATE: 10-19-90 NO.: 419-131 b
		REVISIONS			DR	CH	DATE	

L-PAD

PART # 4380

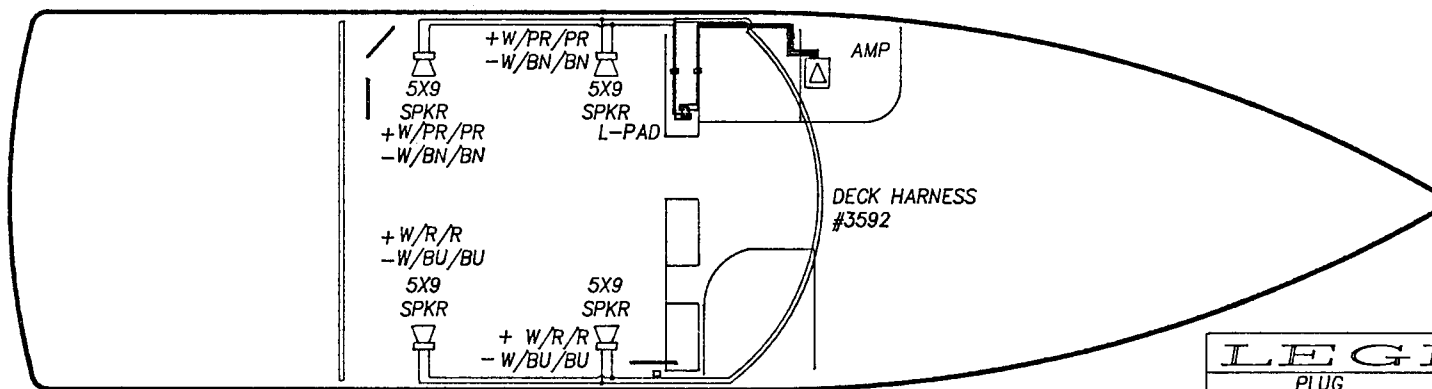
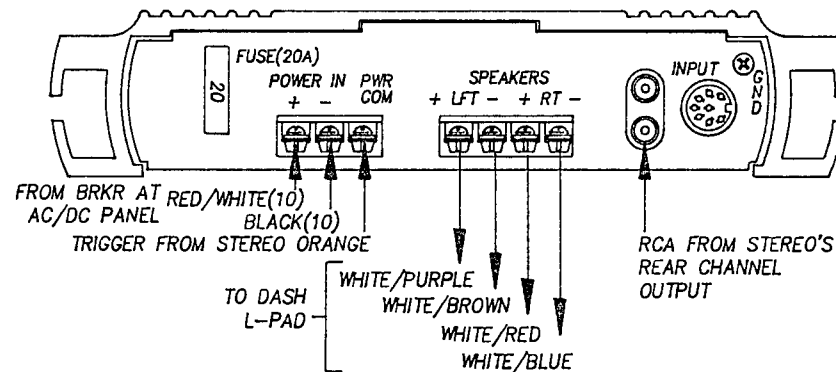
VIEWING BACK SIDE



AMP OUTPUT

#3266 (KAC821 KENWOOD)

FOR INPUT SEE DRAWING 419-



LEGEND

- PLUG
- SPEAKER
- 5X9
- L-PAD
- AMPLIFIER
- KAC-821

THUNDERBIRD PRODUCTS
P.O. BOX 501
DECATUR, IN 46733
(219) 724-9111

4
3
2
1
#

REVISIONS

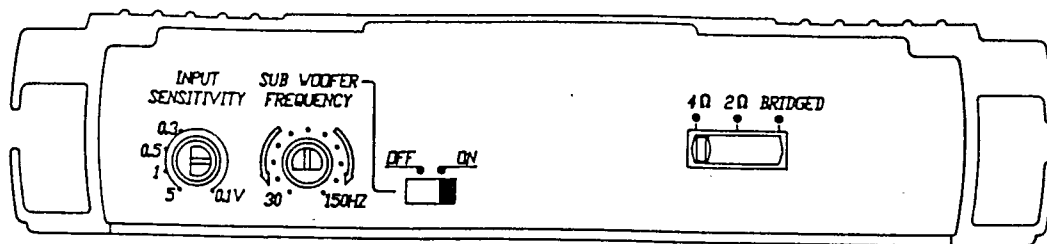
DR CH DATE

FROM HIN #
TO HIN #
FROM HIN #
TO HIN #
FROM HIN #
TO HIN #
FROM HIN #
TO HIN #

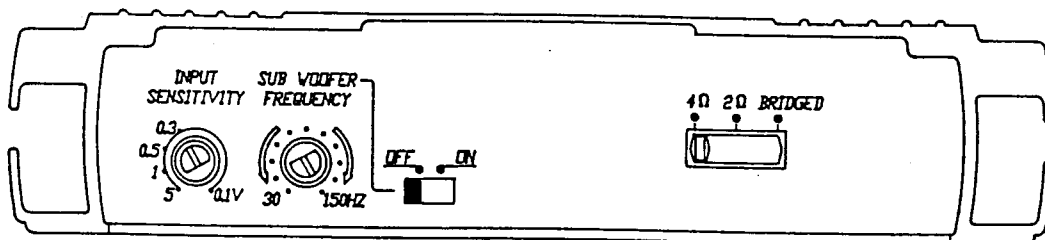
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #
TO HIN #

TITLE: F-419 SR1
COCKPIT L-PAD AND SPKRS
(GLOVE COMPARTMENT)
DR BY: KKR CH BY:
DATE: 9-7-90 NO.: 419-141

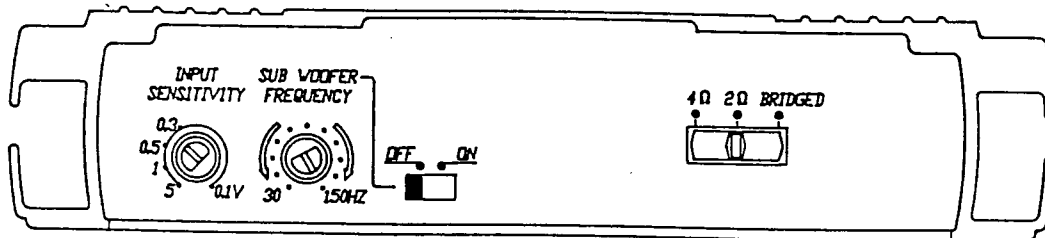
SUB AMP



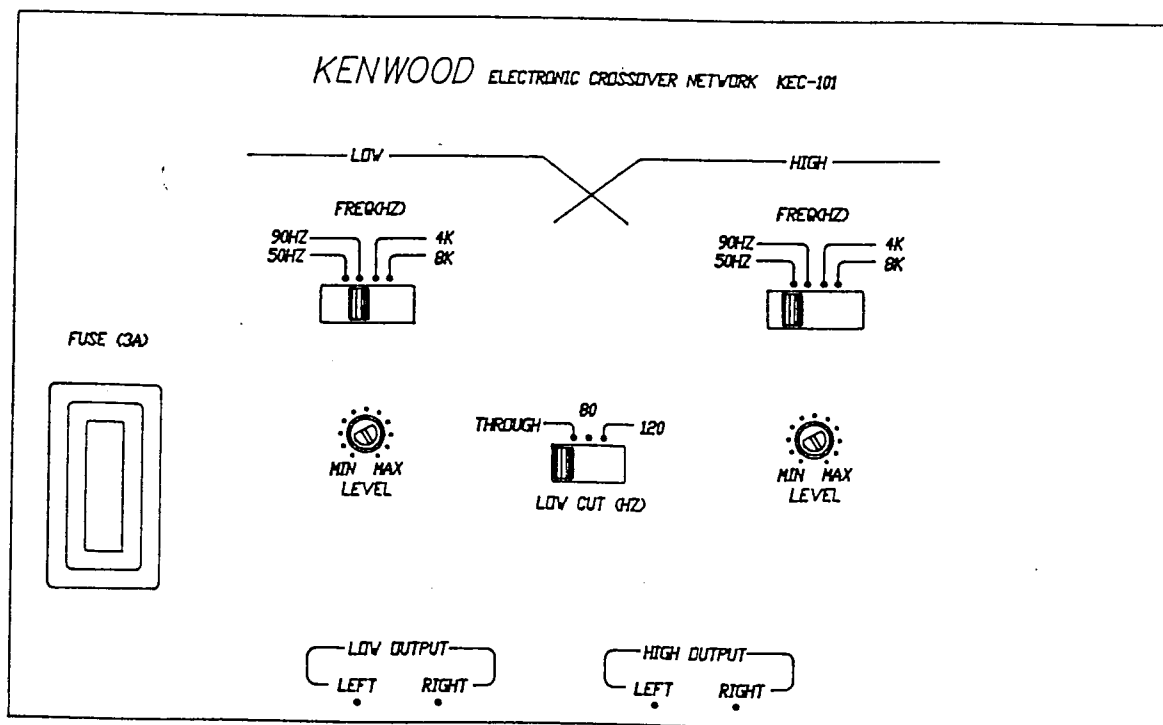
MID AND TWEETER AMP



COCKPIT AMP



ELECTRONIC CROSSOVER





THUNDERBIRD PRODUCTS

ENGINEERING DIRECTIVE

NO. MY92-23

DATE 11-13-91

File
BH
PR Hal

WHAT IS CHANGING:

THE ELECTRONIC CROSSOVER AND AUDIO AMPLIFIERS USED IN THE 419 SR1 WILL NOW BE TUNED AND ALIGNED IN SUB ASSEMBLY. THE FOLLOWING STEPS MUST BE CAREFULLY FOLLOWED AND PERFORMED INDIVIDUALLY ON EACH AMP PRIOR TO ITS INSTALLATION. (SEE PAGE TWO OF THIS DIRECTIVE FOR A VISUAL COMPAIRSON.)

- STEP 1: SUBWOOFER AMP ADJUSTMENTS; "INPUT SENSITIVITY" TO THE 3 O'CLOCK POSITION, "SUBWOOFER FREQUENCY" TO THE 12 O'CLOCK POSITION, "SUBWOOFER SWITCH" TO THE ON POSITION, "IMPEDANCE SWITCH" TO THE 4 OHM POSITION.
- STEP 2: MIDRANGE AND TWEETER AMP ADJUSTMENTS; "INPUT SENSITIVITY" TO THE .3V POSITION "SUBWOOFER FREQUENCY" TO THE 150 H_z POSITION, "SUBWOOFER SWITCH" TO THE OFF POSITION, "IMPEDANCE SWITCH TO THE 4 OHM POSITION.
- STEP 3: COCKPIT AMP ADJUSTMENTS; "INPUT SENSITIVITY" BETWEEN THE .3V AND THE .5V POSITION, "SUBWOOFER FREQUENCY" TO THE 150 H_z POSITION, "SUBWOOFER SWITCH" TO THE OFF POSITION, "IMPEDANCE SWITCH" TO THE 2 OHM POSITION.
- STEP 4: ELECTRONIC CROSSOVER ADJUSTMENT; "LOW FREQUENCY SWITCH" TO THE 90 H_z POSITION "HIGH FREQUENCY SWITCH" TO THE 50 H_z POSITION, "LOW CUT FREQUENCY" SWITCH TO THE THROUGH POSITION, ADJUST BOTH "LEVEL" CONTROLS TO THE MAX POSITION.

WHY IT IS CHANGING:

THIS DIRECTIVE WILL CLARIFY PROCEDURES AND PROVIDE DOCUMENTATION FOR FUTURE TECHNICAL ASSISTANCE.

MODELS AFFECTED: ALL 419 SR1

DATE EFFECTIVE: IMMEDIATELY

LABOR HOURS WILL

☐ INCREASE APPROX. _____ HRS. PER _____☒ REMAIN THE SAME☐ DECREASE APPROX. _____ HRS. PER _____

WRITTEN BY: CHRIS CASTON

APPROVED BY: