

AC CIRCUITS

| | |
|-----------------|--------|
| BATTERY CHARGER | |
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| SGL ENG..... | 280-1A |
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| 120V 60HZ..... | 280-2 |
| 220V 50HZ..... | 280-2A |
| SHOREPOWER..... | 280-3 |
| 120V 60HZ..... | 280-3A |
| 220V 50HZ..... | 280-3B |
| ZINC SAVER | |
| SEE 280-3A, 3B | |

| | |
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| WATER..... | 280-222 |
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| REFRIGERATOR..... | 280-225 |
| TRIM TABS..... | 280-230 |
| WINDLASS..... | 280-240 |
| BONDING..... | 280-241 |

ELECTRONICS

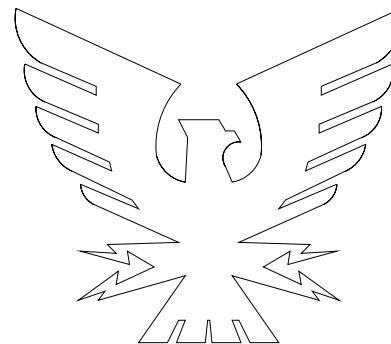
| | |
|----------------|---------|
| GPS..... | 280-250 |
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| | 280-261 |
| VHF RADIO..... | 280-270 |
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DC CIRCUITS

| | |
|------------------------------|---------|
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| AC/DC PANEL..... | 280-4 |
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| BATTERY CHARGING, ALTERNATOR | |
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| SGL ENGINE..... | 280-121 |
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|----------------------|---------|
| GAS, TWN ENG..... | 280-280 |
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| DIESEL, TWN ENG..... | 280-282 |
| DIESEL, SGL ENG..... | 280-283 |



280 HARNESS & PIGTAIL #'S



HARNESSES

DECK 8823

HULL 8822

ENGINE EXT. (STBD) . 8943

ENGINE EXT. (PORT) . 6158

PIGTAILS

ACCESSORY PANEL 8149

AC/DC PANEL 8825

BREAKER PANEL (AFT) . . 8827

BREAKER PANEL (DASH) . . 8826

HEAD 8831

IGNITION PANEL 8834

INSTRUMENT PANEL . . . 7480

MAIN INST. PANEL . . . 8845





STBD LOUNGE SEAT . . . 8830

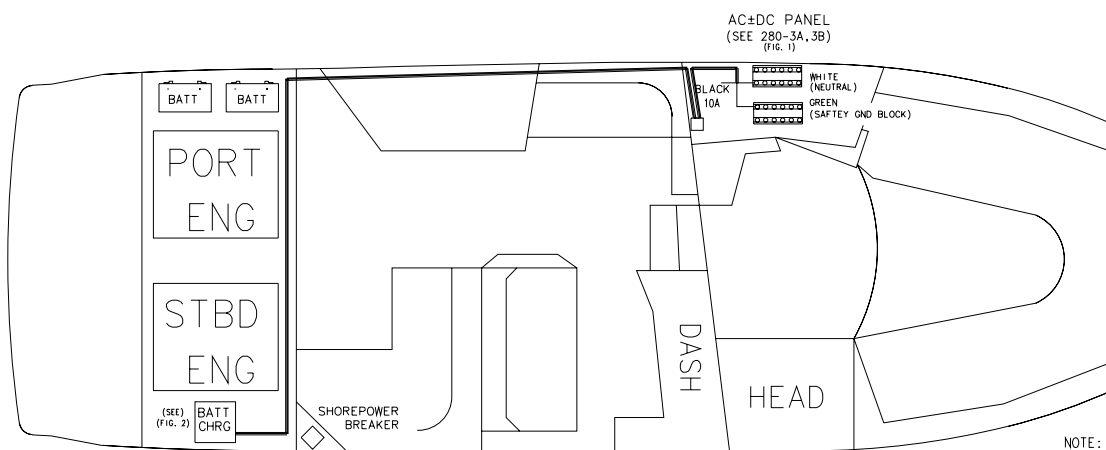
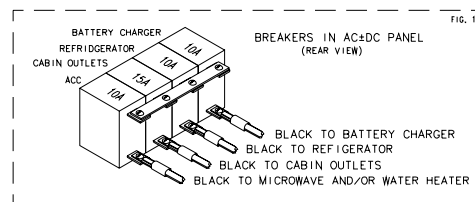
TRIM PANEL 8829

V-BERTH 8828

| | | |
|---------------------------------|---------------|-------------------------|
| TITLE: HARNESS & PIGTAIL #'S | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-000 | DATE: 6-11-95 | (260) 724-9111 |

LEGEND

| | |
|-------------------|---|
| TERMINAL BLOCK |  |
| BATTERY |  |
| PLUG INTERCONNECT |  |
| DC GROUND |  |

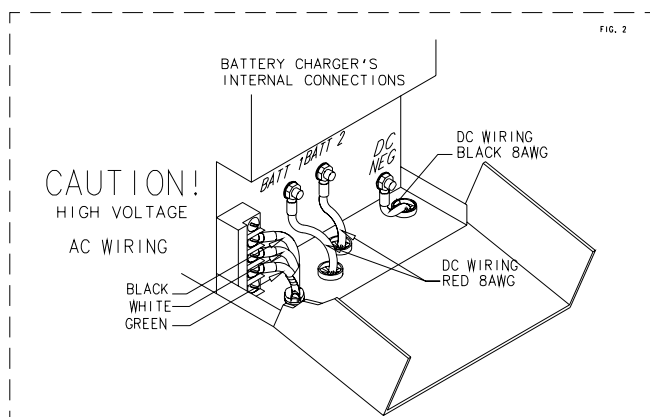


TO OPERATE BATTERY CHARGER:

1. IN THE AFT SEAT STORAGE, STBD SIDE, SWITCH SHOREPOWER BREAKER TO 'ON'.
2. ON THE AC/DC PANEL IN CABIN, SWITCH SHOREPOWER BREAKER TO 'ON'.
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH BATTERY CHARGER TO 'ON'.
4. CHECK FACE OF BATTERY CHARGER FOR DC AVAILABLE LIGHT.
5. AFTER 24 HOURS OF CHARGING, BATTERIES SHOULD READ 12+ VOLTS ON THE DASH VOLTMETER.
6. IF BATTERIES READ BELOW 12V OR DROP UNDER 12V WITHIN 15MIN, FIRST CHECK YOUR VOLTMETER THEN CHECK YOUR BATTERIES.





NOTE:
THE BATTERY CHARGER CAN NOT BE DISCONNECTED FROM THE BATTERIES BY THE SELECTOR SWITCH. THE SWITCH DOES NOT DETERMINE WHICH BATTERY WILL RECIEVE A CHARGE. THE CHARGER IS DIRECTLY CONNECTED TO BOTH BATTERIES. TO CHARGE BATTERIES BY THE ENGINE'S ALTERNATORS SEE 280-120,121.

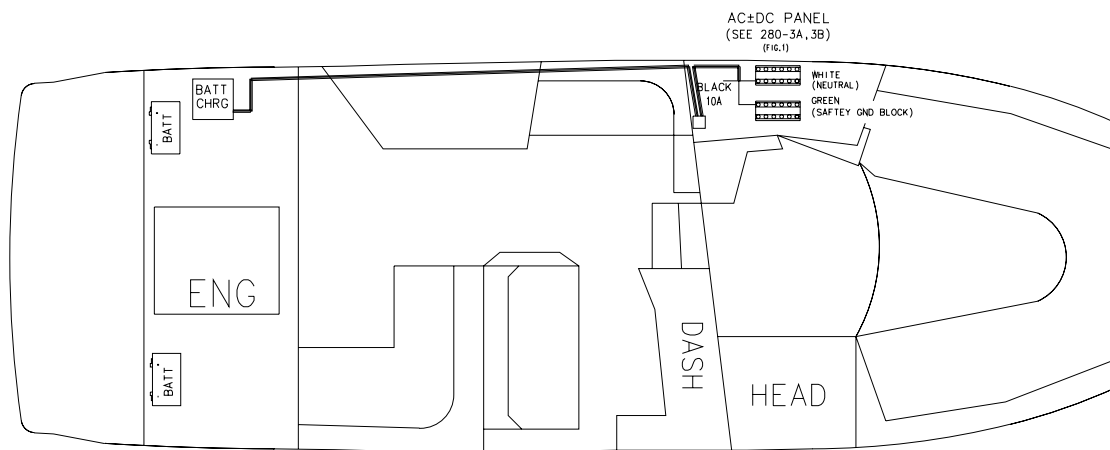
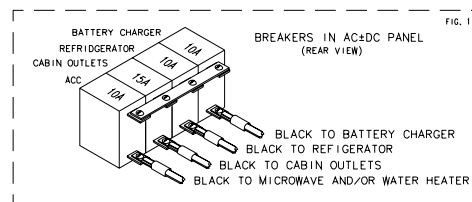
WHEN CHARGING WITH ALTERNATORS, THE POSITION OF THE BATTERY SELECTOR SWITCH DOES DETERMINE HOW THE BATTERIES WILL BE CHARGED.



| | | |
|------------------------|---------------|-------------------------|
| TITLE: BATTERY CHARGER | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS TWN | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-1 | DATE: 2-27-95 | (260) 724-9111 |

LEGEND

| | |
|-------------------|---|
| TERMINAL BLOCK |  |
| BATTERY |  |
| PLUG INTERCONNECT |  |
| DC GROUND |  |



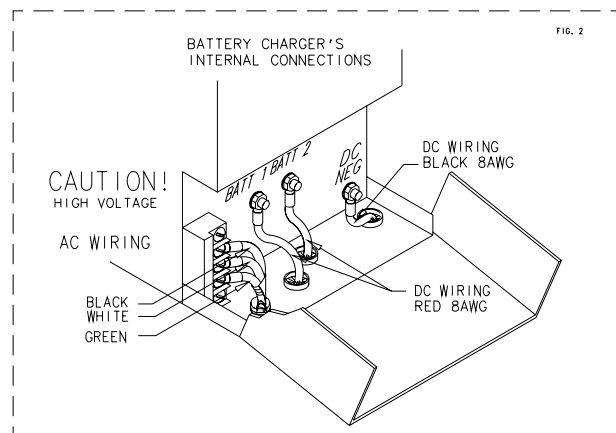
TO OPERATE BATTERY CHARGER:

1. IN THE AFT SEAT STORAGE, STBD SIDE, SWITCH SHOREPOWER BREAKER TO 'ON'.
2. ON THE AC/DC PANEL IN CABIN, SWITCH SHOREPOWER BREAKER TO 'ON'.
3. ON THE AC/DC PANEL IN THE CABIN, SWITCH BATTERY CHARGER TO 'ON'.
4. CHECK FACE OF BATTERY CHARGER FOR DC AVAILABLE LIGHT.
5. AFTER 24 HOURS OF CHARGING, BATTERIES SHOULD READ 12+ VOLTS ON THE DASH VOLTMETER.
6. IF BATTERIES READ BELOW 12V OR DROP UNDER 12V WITHIN 15MIN, FIRST CHECK YOUR VOLTMETER THEN CHECK YOUR BATTERIES.

NOTE:

THE BATTERY CHARGER CAN NOT BE DISCONNECTED FROM THE BATTERIES BY THE SELECTOR SWITCH. THE SWITCH DOES NOT DETERMINE WHICH BATTERY WILL RECEIVE A CHARGE. THE CHARGER IS DIRECTLY CONNECTED TO BOTH BATTERIES. TO CHARGE BATTERIES BY THE ENGINE'S ALTERNATORS SEE 280-120, 121.

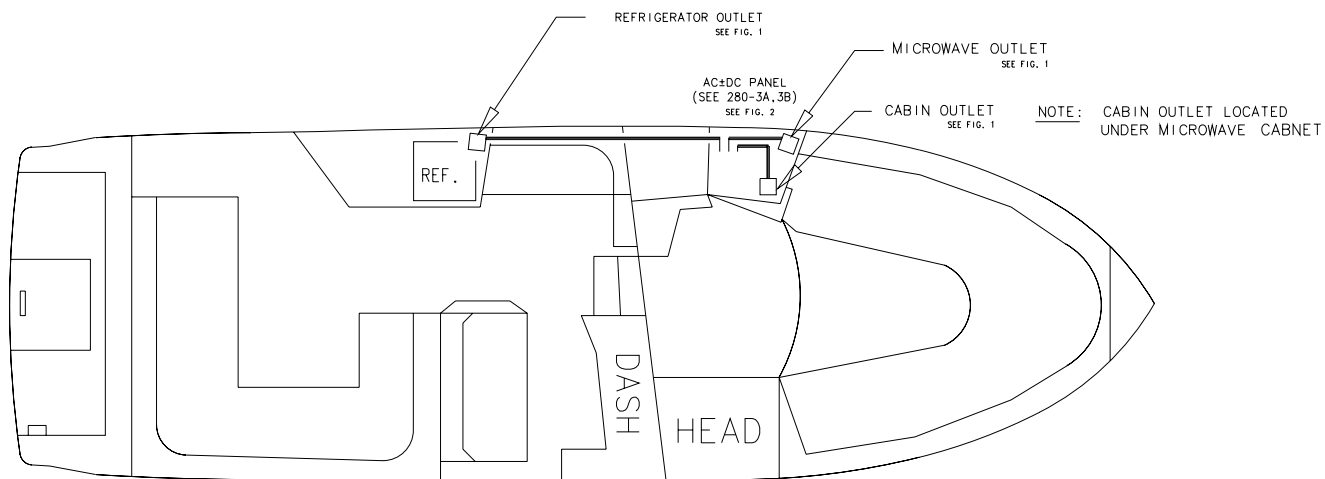
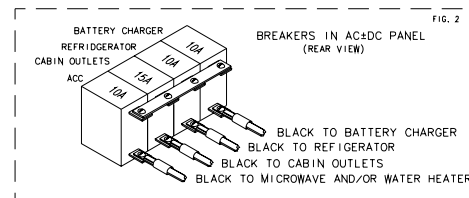
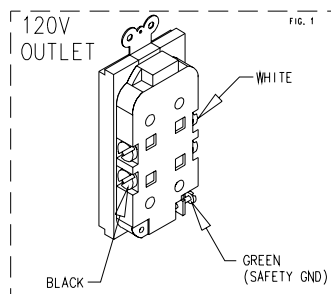
WHEN CHARGING WITH ALTERNATORS, THE POSITION OF THE BATTERY SELECTOR SWITCH DOES DETERMINE HOW THE BATTERIES WILL BE CHARGED.



| | | |
|------------------------|---------------|-------------------------|
| TITLE: BATTERY CHARGER | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS SGL | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-1A | DATE: 2-28-95 | (260) 724-9111 |

LEGEND

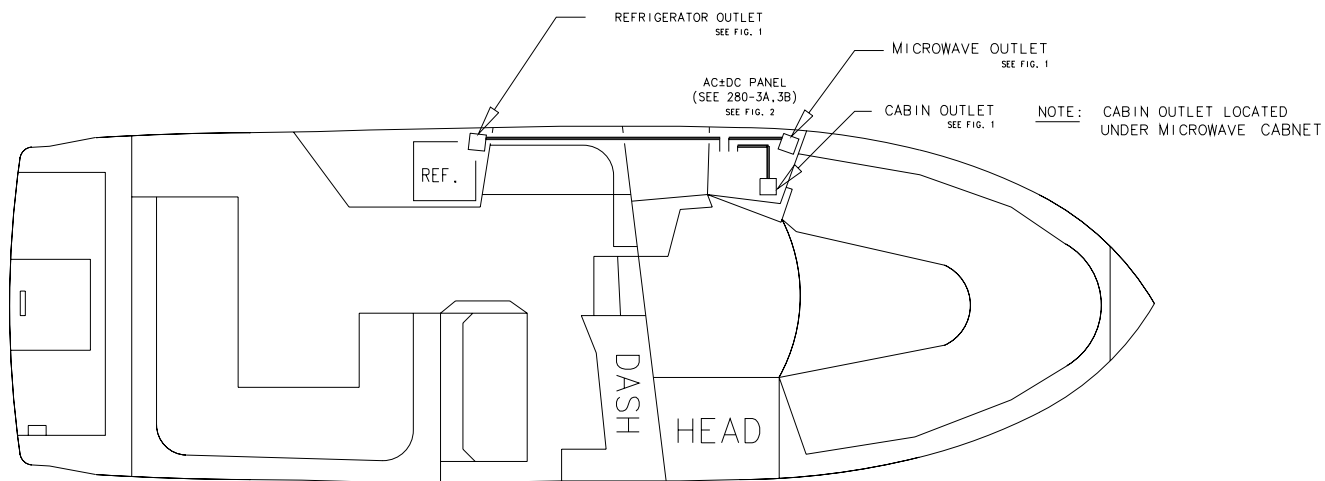
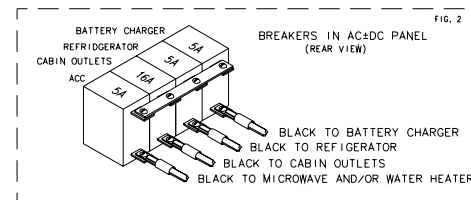
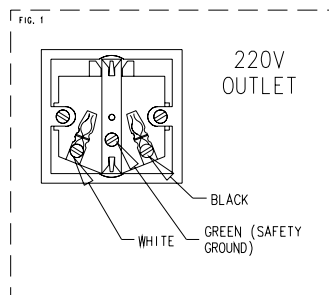
JUNCTION BOX



| | | |
|----------------------------|---------------|-------------------------|
| TITLE: 120 VOLT AC OUTLETS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-2 | DATE: 2-28-95 | (260) 724-9111 |

LEGEND

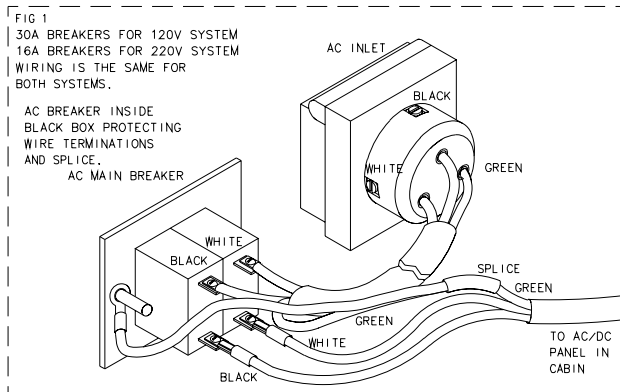
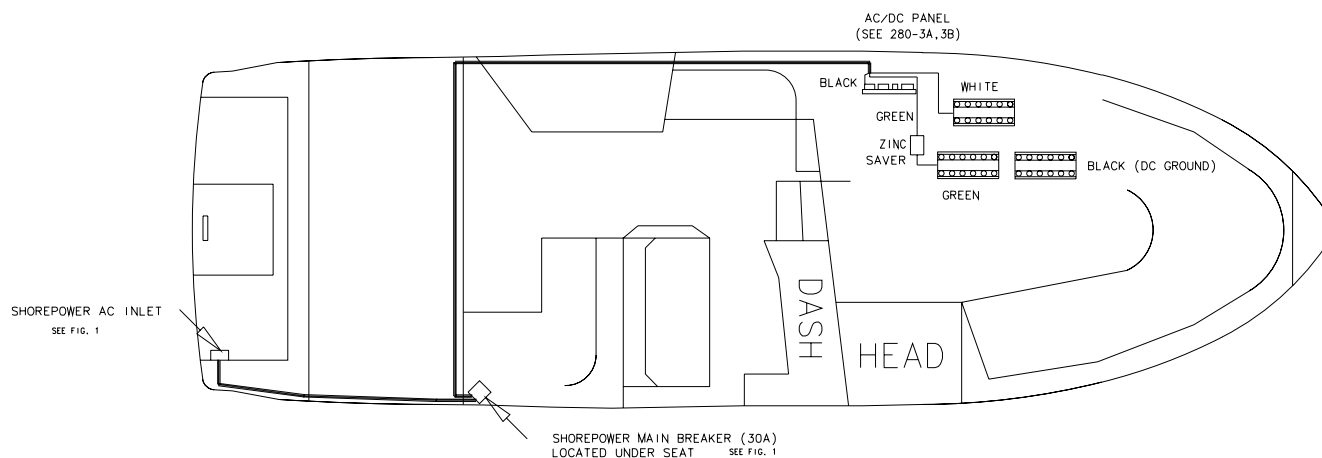
JUNCTION BOX



| | | |
|----------------------------|--------------|-------------------------|
| TITLE: 220 VOLT AC OUTLETS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-2A | DATE: 6-6-95 | (260) 724-9111 |

LEGEND

TERMINAL
BLOCK



| | | |
|-------------------|---------------|-------------------------|
| TITLE: SHOREPOWER | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-3 | DR BY: RLH | DECATUR IN., 46733-5003 |
| | DATE: 2-28-95 | (260) 724-9111 |

LEGEND

TERMINAL
BLOCK



"SURGE SUPPRESSOR"



(READ THROUGH BEFORE OPERATING)

TO OPERATE AC EQUIPMENT:

1. BEFORE PLUGGING INTO SHOREPOWER; TURN 'OFF' ALL AC EQUIPMENT AND MAIN BREAKER ON AC/DC PANEL IN CABIN. ALSO TURN 'OFF' SHOREPOWER MAIN BREAKER IN AFT COCKPIT SEAT.

2. PLUG SHOREPOWER CORD INTO THE BOAT'S SHOREPOWER INLET, FOUND ON THE SWIM PLATFORM, STBD SIDE.

3. CONNECT OTHER END OF CORD TO SHORE.

4. SWITCH SHOREPOWER MAIN BREAKER IN AFT COCKPIT SEAT (STBD SIDE) TO 'ON'.

5. IN CABIN, SWITCH AC SYSTEM MAIN TO ON.

WARNING:

IF REVERSED POLARITY LIGHT (RED)

IS ILLUMINATED:

-DO NOT TOUCH ELECTRICAL APPLIANCES

-LEAVE BOAT IMMEDIATELY

-DISCONNECT SHOREPOWER CABLE AT SHORE OUTLET.

ALSO,

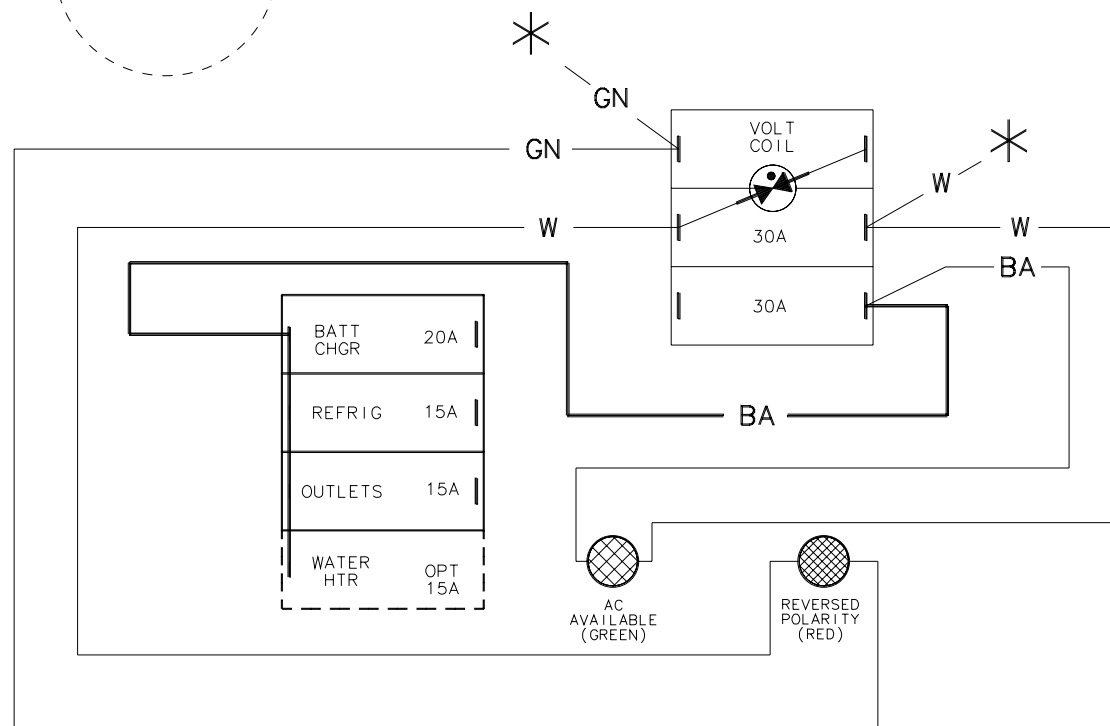
-CONTACT MARINA TO HAVE SUPPLIED SHOREPOWER

TESTED FOR REVERSED POLARITY.

-CONTACT FORMULA RELIABILITY CENTER FOR ADDITIONAL SERVICE.

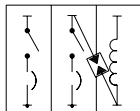
6. WHEN AC SYSTEM MAIN BREAKER IS SWITCHED 'ON' AND THE AC AVAILABLE LIGHT (GREEN) IS ILLUMINATED, ALL AC EQUIPMENT BREAKERS ARE SUPPLIED WITH 120V 60HZ. EQUIPMENT IS OPERATIONAL WHEN THE BREAKER BEARING EQUIPMENT NAME IS SWITCHED 'ON'.

ALSO SEE DIAGRAMS OF INDIVIDUAL CIRCUITS.



BREAKERS

3 POLE
SWITCHABLE
BREAKER
w/SURGE ARRESTER



SINGLE POLE
SWITCHABLE
BREAKER



| | | |
|---|--|-------------------------|
| TITLE: 110V/60HZ AC WIRING AT AC/DC PANEL. | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-3A | | DECATUR IN., 46733-5003 |
| DATE: 3-2-95 | | (260) 724-9111 |

LEGEND

TERMINAL
BLOCK



"SURGE SUPPRESSOR"



GN/YL

GN/YL

BL

VOLT
COIL

16A

16A

BN

BL

BL

BN

BATT
CHGR 10A

REFRIG 15A

OUTLETS 15A

WATER
HTR OPT
10A

AC
AVAILABLE
(GREEN)

REVERSED
POLARITY
(RED)

(READ THROUGH BEFORE OPERATING)

TO OPERATE AC EQUIPMENT:

1. BEFORE PLUGGING INTO SHOREPOWER; TURN 'OFF' ALL AC EQUIPMENT AND MAIN BREAKER ON AC/DC PANEL IN CABIN. ALSO TURN 'OFF' SHOREPOWER MAIN BREAKER IN AFT COCKPIT SEAT.

2. PLUG SHOREPOWER CORD INTO THE BOAT'S SHOREPOWER INLET, FOUND ON THE SWIM PLATFORM, STBD SIDE.

3. CONNECT OTHER END OF CORD TO SHORE.

4. SWITCH SHOREPOWER MAIN BREAKER IN AFT COCKPIT SEAT (STBD SIDE) TO 'ON'.

5. IN CABIN, SWITCH AC SYSTEM MAIN TO ON.

WARNING:

IF REVERSED POLARITY LIGHT (RED)

IS ILLUMINATED:

-DO NOT TOUCH ELECTRICAL APPLIANCES

-LEAVE BOAT IMMEDIATELY

-DISCONNECT SHOREPOWER CABLE AT SHORE OUTLET.

ALSO,

-CONTACT MARINA TO HAVE SUPPLIED SHOREPOWER

TESTED FOR REVERSED POLARITY.

-CONTACT FORMULA RELIABILITY CENTER FOR ADDITIONAL SERVICE.

6. WHEN AC SYSTEM MAIN BREAKER IS SWITCHED 'ON' AND THE AC AVAILABLE LIGHT (GREEN) IS ILLUMINATED, ALL AC EQUIPMENT BREAKERS ARE SUPPLIED WITH 220V 50HZ. EQUIPMENT IS OPERATIONAL WHEN THE BREAKER BEARING EQUIPMENT NAME IS SWITCHED 'ON'.

ALSO SEE DIAGRAMS OF INDIVIDUAL CIRCUITS.

AC CONDUCTORS' COLOR CODE

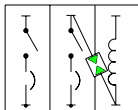
BLACK: CURRENT CARRYING :BROWN

WHITE: NEUTRAL :BLUE

GREEN: SAFETY GROUND :GREEN/YELLOW

BREAKERS

3 POLE
SWITCHABLE
BREAKER
w/SURGE ARRESTER



SINGLE POLE
SWITCHABLE
BREAKER



TITLE: 220V/50HZ AC WIRING
AT AC/DC PANEL.

THUNDERBIRD PRODUCTS

P.O. BOX 1003

MOD.: 280 SS

DR BY: RLH

DECATUR IN., 46733-5003

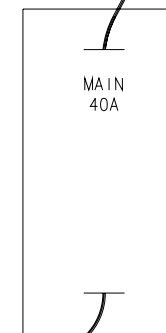
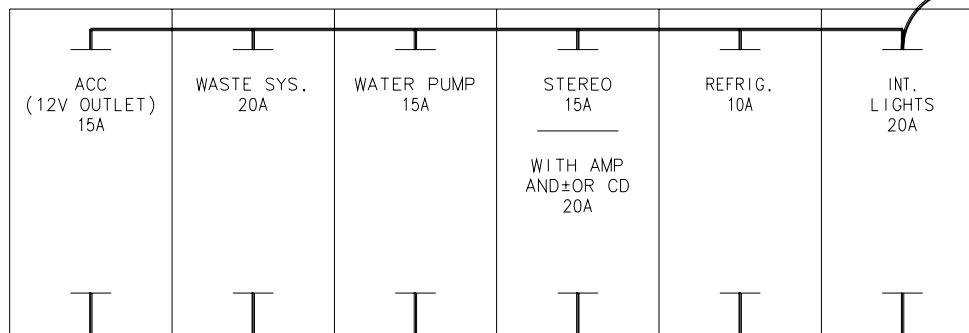
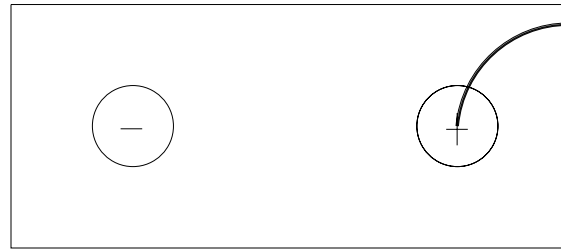
NO.: 280-3B

DATE: 3-2-95

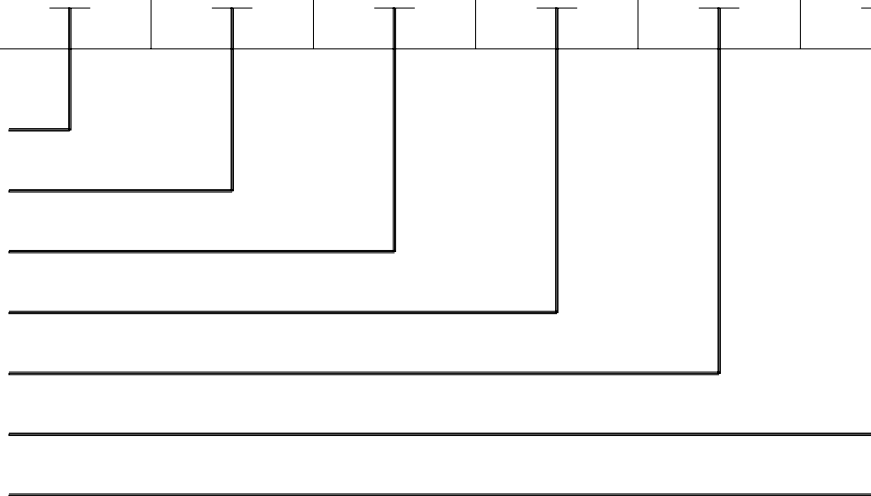
(260) 724-9111

AC/DC PANEL DC SUPPLY (BACK VIEW)

+12V DC PLEX BLOCK



OR/PR
GN/RD
BN/BK
RD/WT
RD/BL
BL/RD
BL/OR



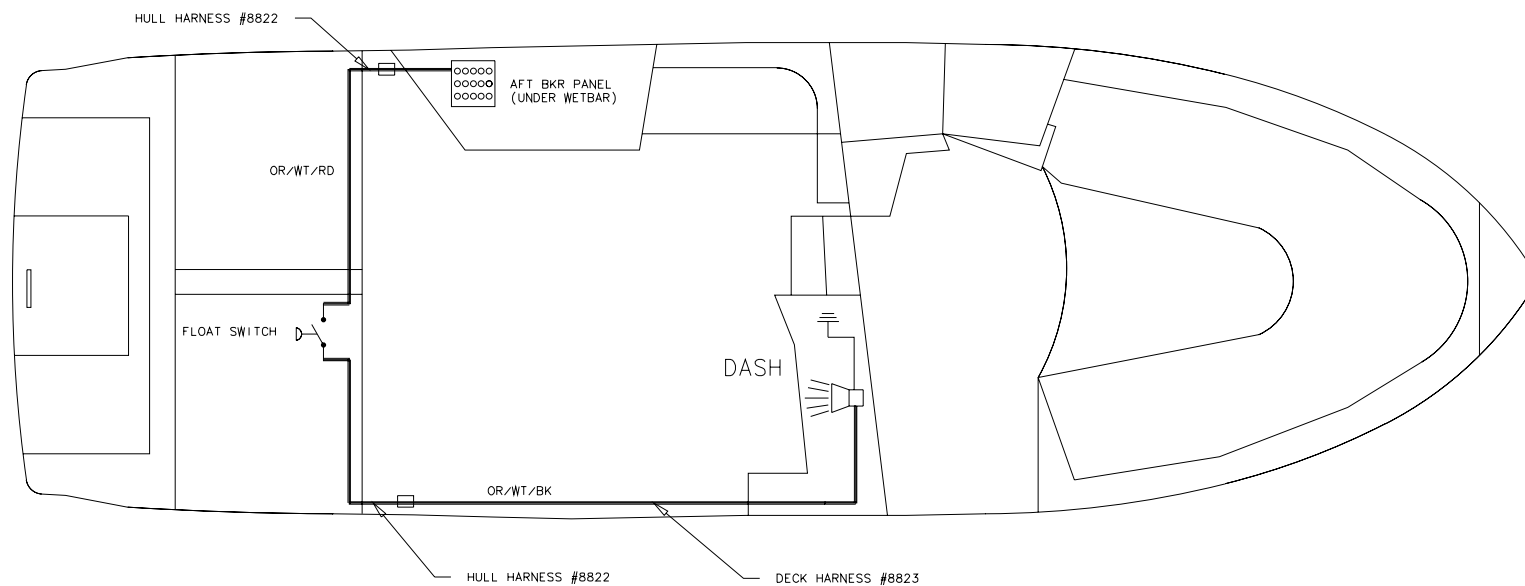
| | | |
|---------------------------------|---------------|-------------------------|
| TITLE: DC SUPPLY AC/DC PANEL | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-4 | DATE: 3-10-95 | (260) 724-9111 |

| LEGEND | |
|------------------------|--|
| C-BREAKER PANEL | |
| DC GROUND | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |
| SIREN | |

1. THE BATTERY SELECTOR SWITCH FOUND UNDER THE WET BAR DOES NOT NEED TO BE ON 1,2 OR "ALL".
2. THE HIGH WATER ALARM BREAKER FOUND ON THE AFT BRKR PANEL MUST BE PUSHED IN (CLOSED).

WHEN ALARM SOUNDS:

1. LOOK FOR SOURCE OF HIGH WATER AND ACTIVATE PUMP(S) IF REQUIRED.
2. CHECK TRANSOM SEALS AND DRAINS FOR LEAKAGE.
3. CHECK VOLTAGE LEVEL AT DASH VOLTMETER. THE BILGE PUMP WILL NOT OPERATE WHEN THE BATTERY IS BELOW FULL CHARGE.
4. CONSULT MARINA'S SERVICE DEPARTMENT OR CONTACT FORMULA'S TECHNICAL ASSISTANCE GROUP.

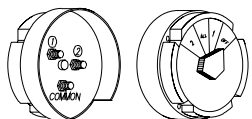


| | | |
|-------------------------|--------------|-------------------------|
| TITLE: HIGH WATER ALARM | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-110 | DATE: 3-1-95 | (260) 724-9111 |

LEGEND

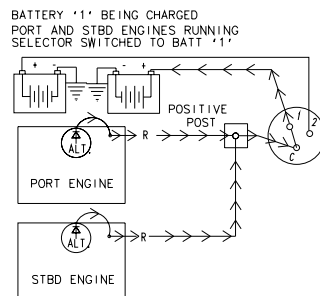
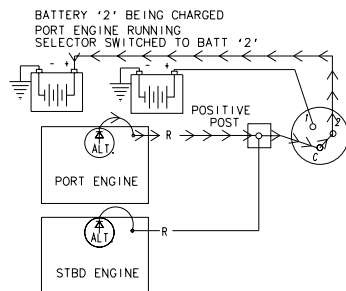
| | |
|-----------------------------|--|
| C-BREAKER PANEL | |
| PLEX. DISTRIBUTION BLOCK | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |

BATTERY SELECTOR SWITCH

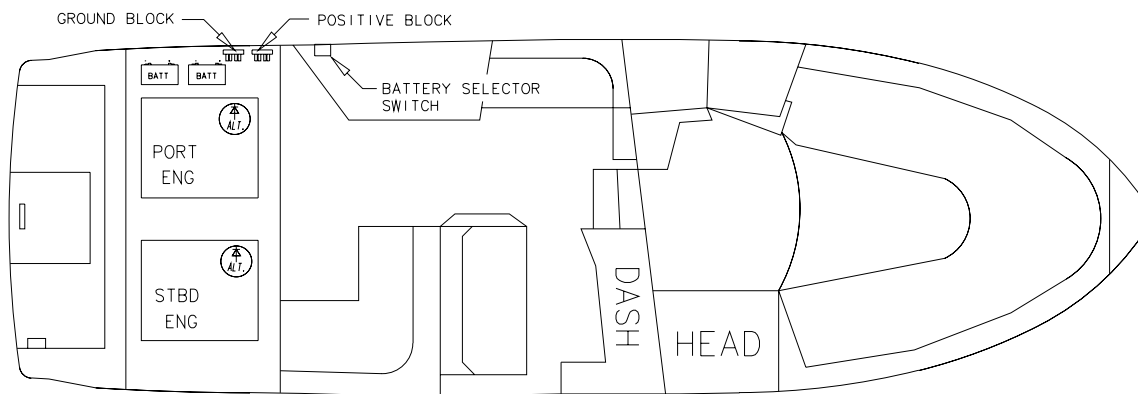
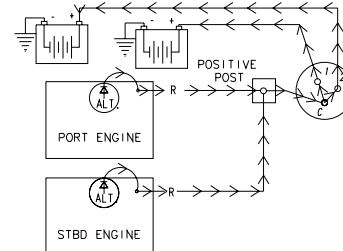


SUGGESTED BATTERY SELECTION WHEN
STARTING ENGINES:
BATTERY SELECTOR SWITCH IN
THE "ALL" POSITION.

METHODS OF CHARGING BY ALTERNATOR
ALSO SEE 280-1,1A FOR CHARGING WITH INSTALLED BATTERY CHARGER.
➤ SHOWS FLOW OF CHARGE



SUGGESTED MEANS OF CHARGING
BOTH BATTERIES BEING CHARGED
PORT AND STBD ENGINES RUNNING
SELECTOR SWITCHED TO "BOTH"



| | | | |
|--|--|-------------------------|--|
| TITLE: CHARGING BATTERIES WITH ALTERNATORS | | THUNDERBIRD PRODUCTS | |
| MOD.: 280 SS TWIN DR BY: RLH | | P.O. BOX 1003 | |
| NO.: 280-120 | | DECATUR IN., 46733-5003 | |
| DATE: 3-1-95 | | (260) 724-9111 | |

LEGEND

C-BREAKER
PANEL



PLEX, DISTRIBUTION
BLOCK



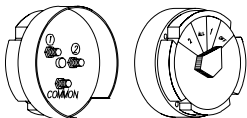
PLUG
INTERCONNECT



SPLICE
INTERCONNECT



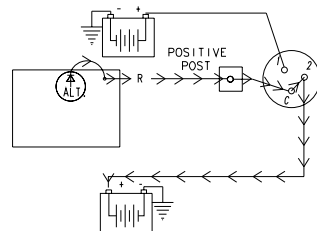
BATTERY SELECTOR SWITCH



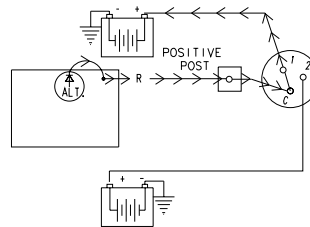
SUGGESTED BATTERY SELECTION WHEN
STARTING ENGINES:
BATTERY SELECTOR SWITCH IN
THE 'ALL' POSITION.

METHODS OF CHARGING BY ALTERNATOR
ALSO SEE 280-1,1A FOR CHARGING WITH INSTALLED BATTERY CHARGER.
> SHOWS FLOW OF CHARGE

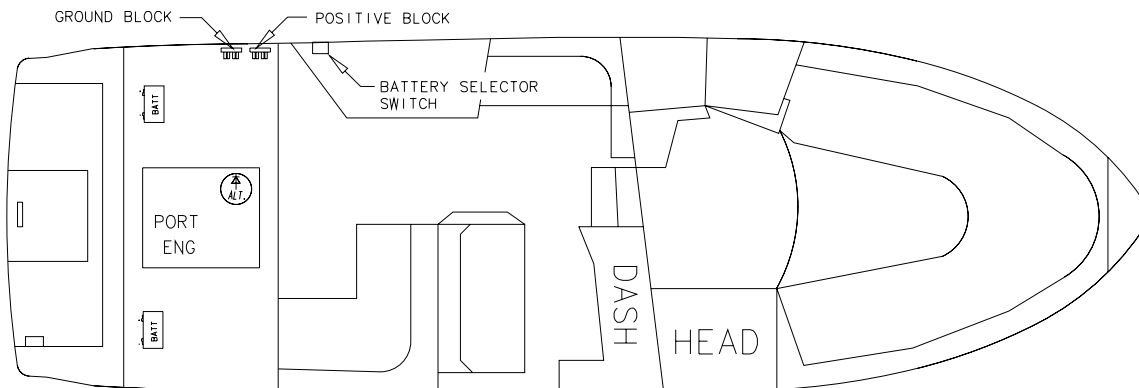
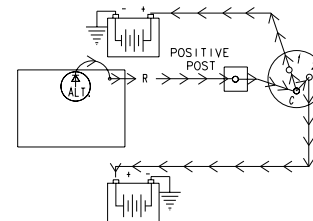
BATTERY '2' BEING CHARGED
ENGINE RUNNING
SELECTOR SWITCHED TO BATT '2'



BATTERY '1' BEING CHARGED
ENGINE RUNNING
SELECTOR SWITCHED TO BATT '1'



SUGGESTED MEANS OF CHARGING
BOTH BATTERIES BEING CHARGED
ENGINE RUNNING
SELECTOR SWITCHED TO 'BOTH'



| | | | |
|--|--|-------------------------|--|
| TITLE: CHARGING BATTERIES WITH ALTERNATORS | | THUNDERBIRD PRODUCTS | |
| MOD.: 280 SS SGL DR BY: RLH | | P.O. BOX 1003 | |
| NO.: 280-121 | | DECATUR IN., 46733-5003 | |
| DATE: 3-2-95 | | (260) 724-9111 | |

LEGEND

C-BREAKER
PANEL



BLOWER



PLUG
INTERCONNECT

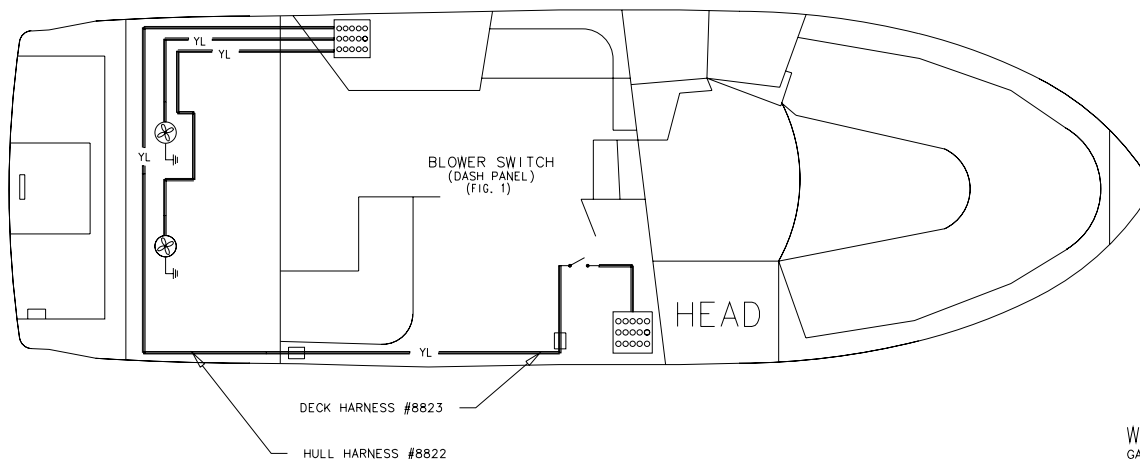
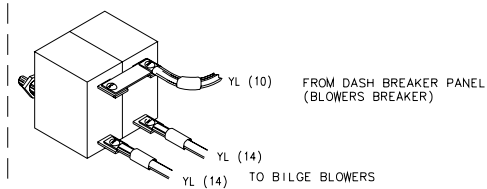


GROUND



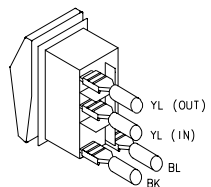
BLOWER BREAKERS 5A
(REAR VIEW)

FIG. 3



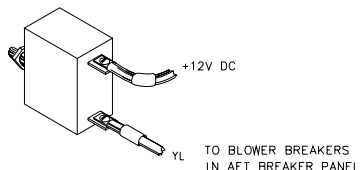
BLOWER SWITCH
(DASH PANEL)
(REAR VIEW)

FIG. 1



BLOWER BREAKER 15A
(REAR VIEW)

FIG. 2



WARNING:

GASOLINE VAPORS CAN EXPLODE
BEFORE STARTING ENGINE:
-CHECK ENGINE COMPARTMENT
FOR GASOLINE VAPORS.
-OPERATE BLOWERS FOR 4 MINUTES.
RUN BLOWER BELOW CRUISING SPEED.

NOTE:

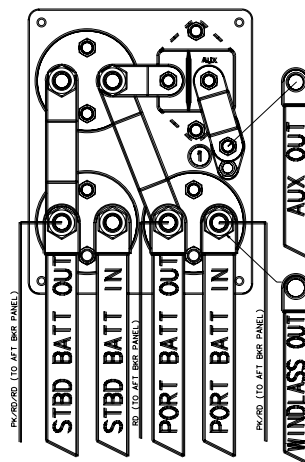
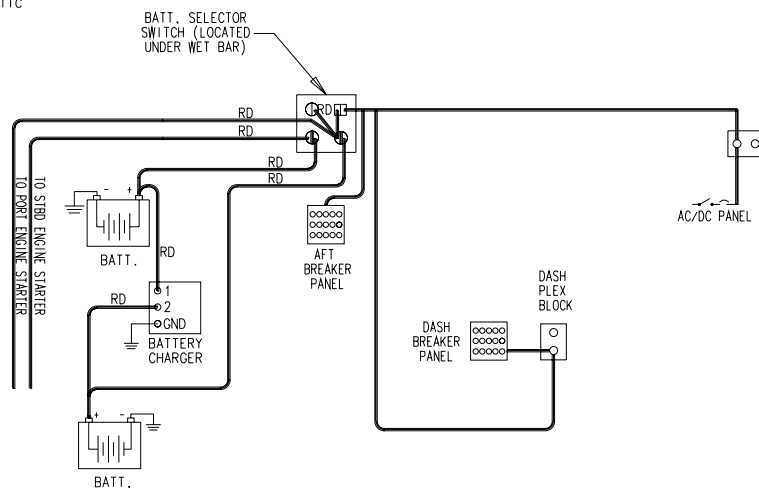
TO OPERATE BLOWERS:
1. TURN BATTERY SELECTOR
SWITCH TO '1', '2' or 'ALL'
2. BOTH 'BLOWER' BREAKERS ON
THE AFT BREAKER PANEL (UNDER
WET BAR) SHOULD BE PUSHED IN
OR CONNECTED.
3. THE 'BLOWER' BREAKER ON
THE UNDER DASH BREAKER PANEL
SHOULD BE PUSHED IN OR CONNECTED.
4. THE 'BLOWER' SWITCH ON THE
DASH PANEL IS NOW SUPPLIED
WITH +12V DC TO TURN BOTH
BLOWERS ON.

| | | |
|-----------------------|--------------|-------------------------|
| TITLE: BLOWERS, BILGE | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-130 | DATE: 3-2-95 | (260) 724-9111 |

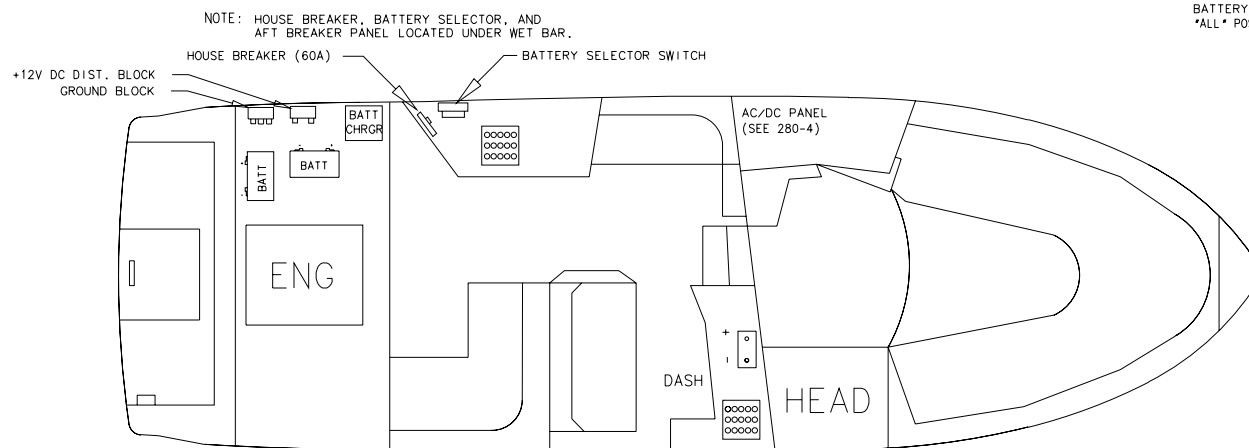
LEGEND

| | |
|-----------------------------|--|
| C-BREAKER PANEL | |
| PLEX. DISTRIBUTION BLOCK | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |
| DC GROUND | |

SYSTEM SCHEMATIC
SEE FIG.1 FOR
PLACEMENTS.



SUGGESTED BATTERY SELECTION WHEN
STARTING ENGINES:
BATTERY SELECTOR SWITCH IN THE
ALL POSITION.



BREAKER PANEL LOCATED
UNDER DASH.

FIG. 1

| | | |
|------------------|--|-------------------------|
| TITLE: DC SUPPLY | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-140 | | DECATUR IN., 46733-5003 |
| DATE: 3-3-95 | | (260) 724-9111 |

LEGEND

C-BREAKER
PANEL



MOTOR



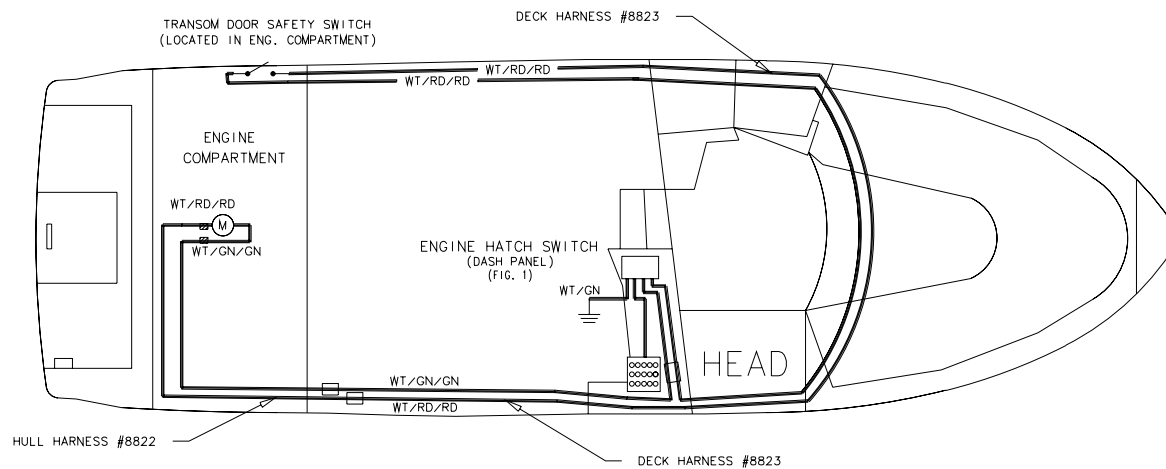
PLUG
INTERCONNECT



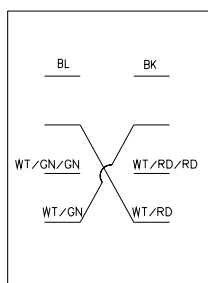
SPLICE
INTERCONNECT



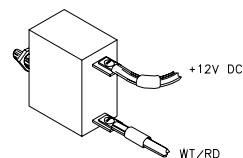
GROUND



ENG. HATCH SWITCH
(DASH PANEL)
(REAR VIEW) FIG. 1



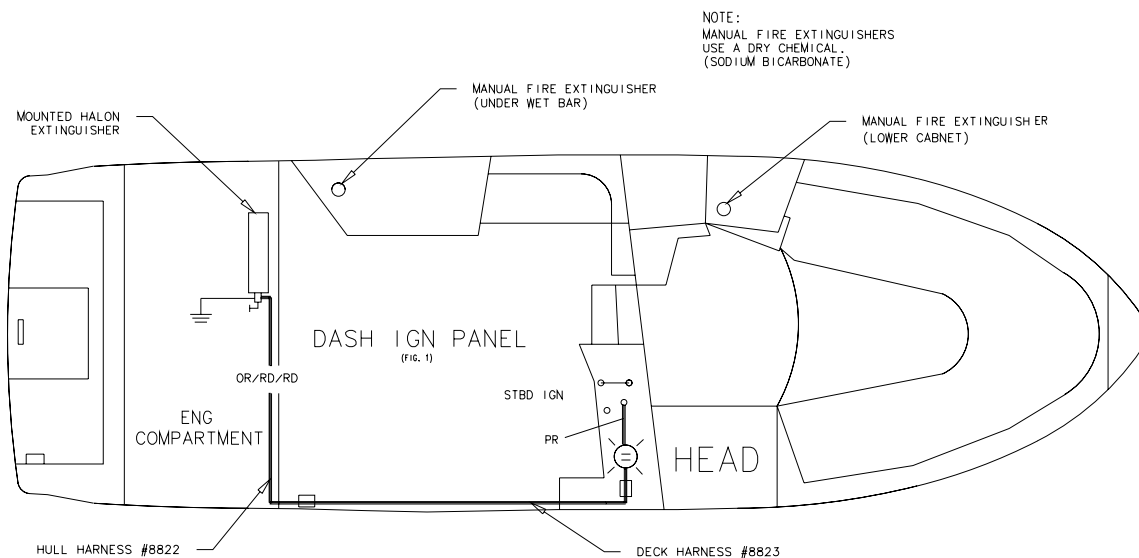
ENG. HATCH BREAKER 20A
(DASH BKR PANEL)
(REAR VIEW) FIG. 2



| | | |
|---|--|-------------------------|
| TITLE: ENGINE HATCH RAM (ENGINE COMPARTMENT) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-150 | | DECATUR IN., 46733-5003 |
| DATE: 3-3-95 | | (260) 724-9111 |

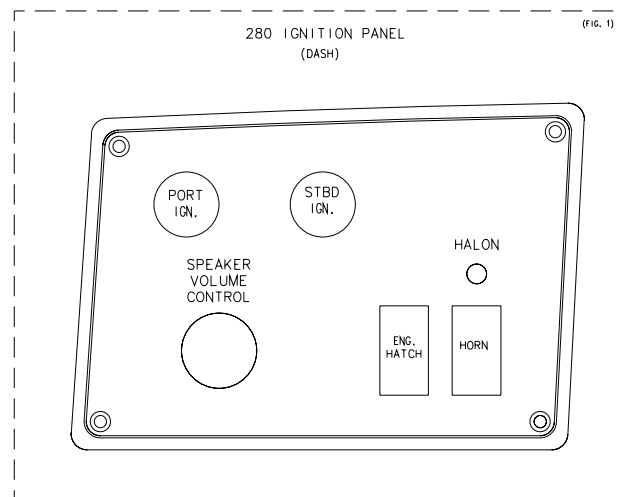
LEGEND

| | |
|----------------------|--|
| C-BREAKER PANEL | |
| IGNITION SWITCH | |
| PLUG INTERCONNECT | |
| HALON LIGHT | |
| GROUND | |



NOTE:
IGNITION IS SUPPLIED
WITH 12V DC
SEE DWG 280-180/181
FOR IGNITION CIRCUITS

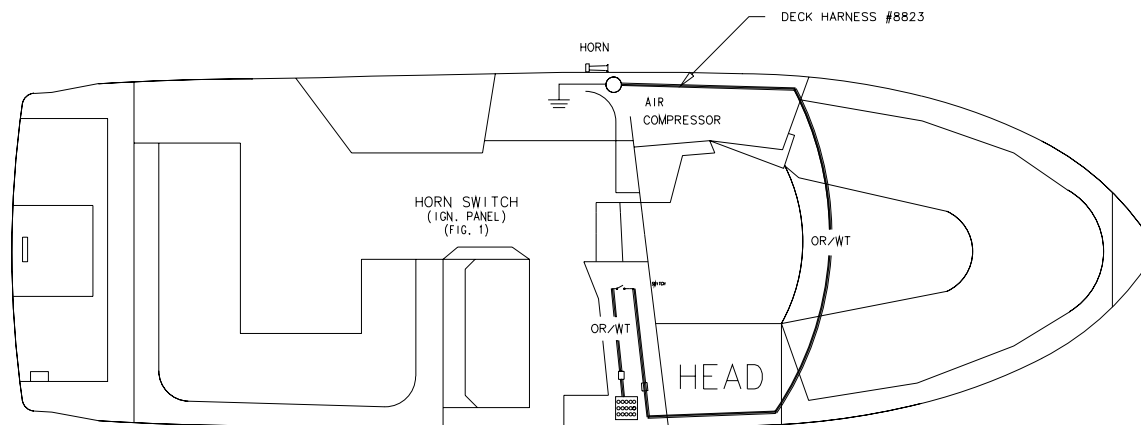
THE HALON INDICATOR LIGHT
IS POWERED BY THE STARTING
BATTERY ONLY WHEN THE
IGNITION SWITCH IS IN THE
'ON' POSITION. THE LIGHT INDICATES
TO THE OPERATOR THERE IS
SUFFICIENT PRESSURIZATION TO
EXPUL THE AGENT OF THE ENGINE
COMPARTMENT EXTINGUISHER. THE
UNIT DOES NOT
REQUIRE 12 VOLTS TO EXPUL
THE AGENT.



| | | |
|------------------------------|--------------|-------------------------|
| TITLE: HALON INDICATOR LIGHT | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-160 | DATE: 3-3-95 | (260) 724-9111 |

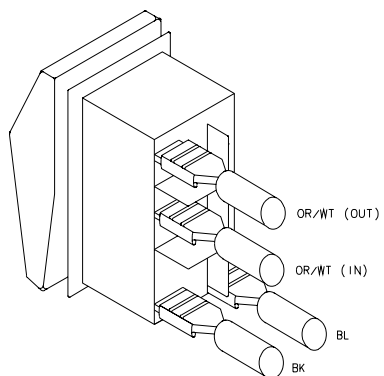
LEGEND

| | |
|-----------------------------|--|
| C-BREAKER PANEL | |
| PLEX. DISTRIBUTION BLOCK | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |
| GROUND | |



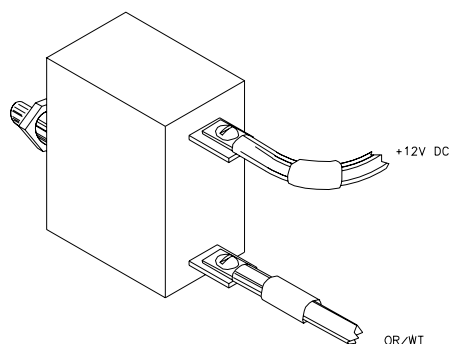
HORN SWITCH
(IGN. PANEL)
(REAR VIEW)

FIG. 1



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

FIG. 2

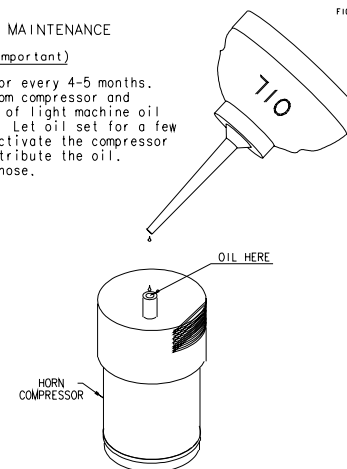


HORN COMPRESSOR MAINTENANCE

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.

FIG. 3



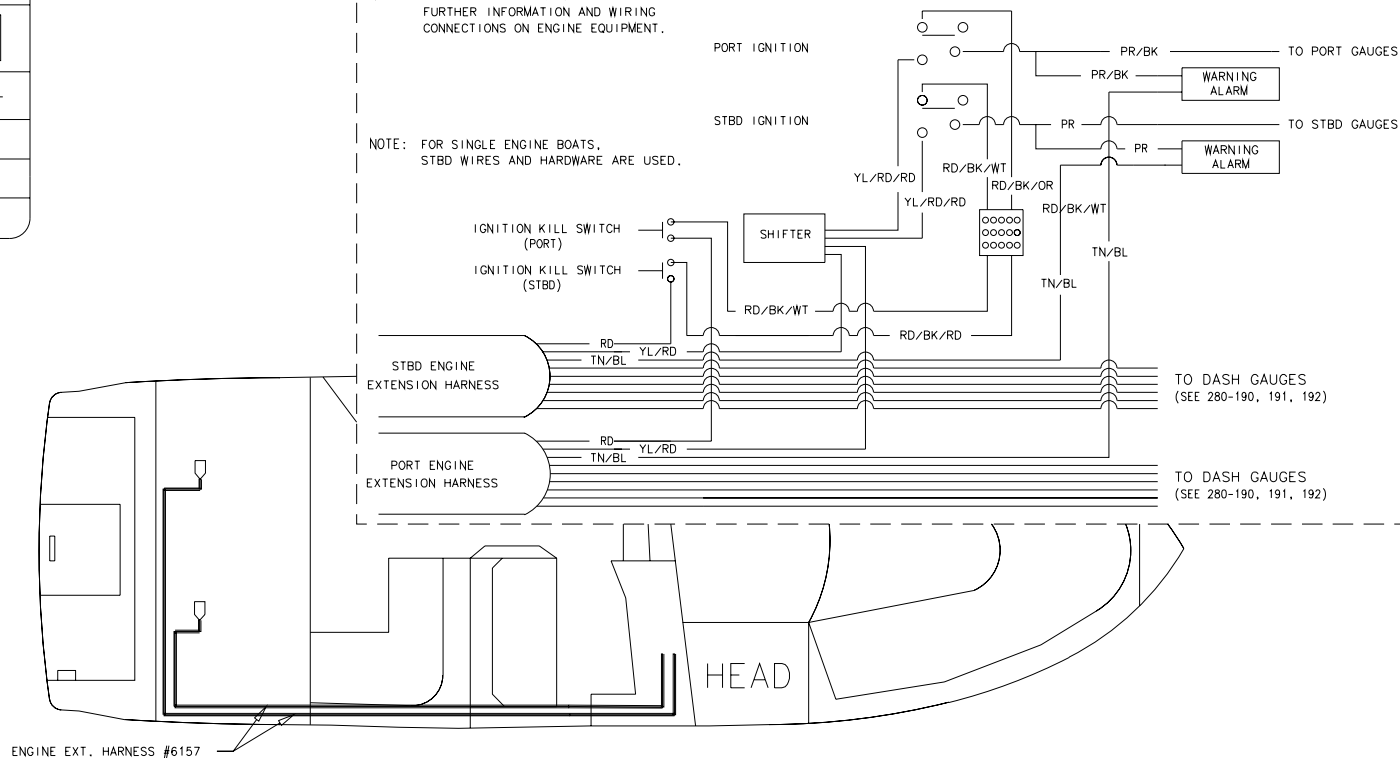
| | | |
|--------------|--------------|-------------------------|
| TITLE: HORN | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| DR BY: RLH | | DECATUR IN., 46733-5003 |
| NO.: 280-170 | DATE: 3-3-95 | (260) 724-9111 |

LEGEND

| | |
|------------------------|--|
| C-BREAKER PANEL | |
| ON/OFF SWITCH | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |
| MERC. HARN. PLUG | |

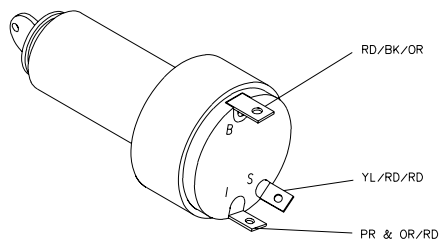
NOTE: SEE Mercruiser MANUAL FOR
FURTHER INFORMATION AND WIRING
CONNECTIONS ON ENGINE EQUIPMENT.

NOTE: FOR SINGLE ENGINE BOATS,
STBD WIRES AND HARDWARE ARE USED.

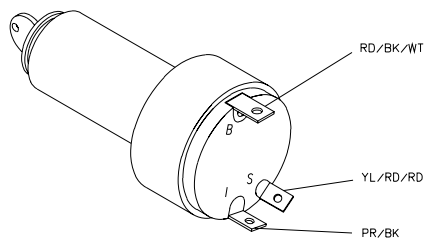


NOTE: FOR SINGLE ENGINE BOATS,
STBD WIRES AND HARDWARE ARE USED.

IGNITION SWITCH
(STBD)

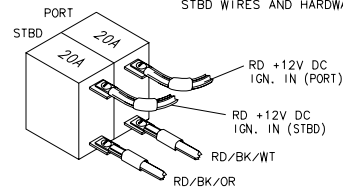


IGNITION SWITCH
(PORT)



IGNITION BREAKERS
DASH BREAKER PANEL
(REAR VIEW)

NOTE: FOR SINGLE ENGINE BOATS,
STBD WIRES AND HARDWARE ARE USED.



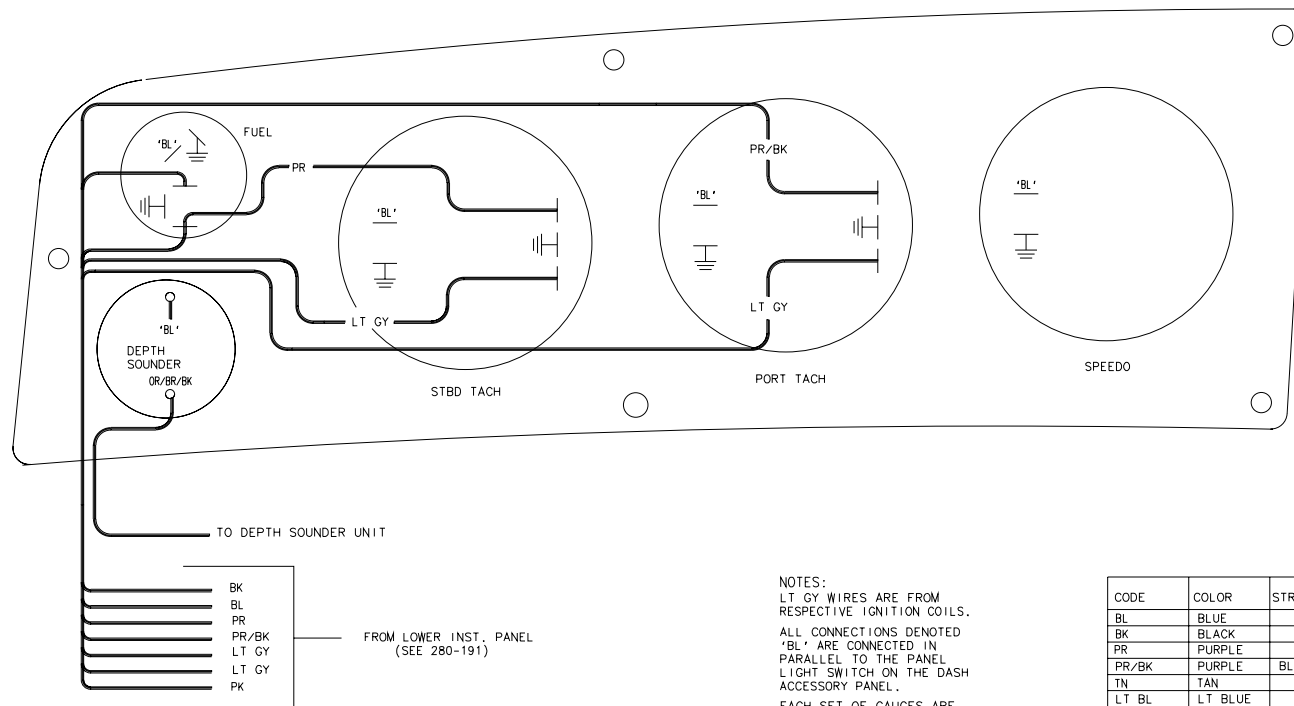
| | | |
|-----------------------------|--------------|-------------------------|
| TITLE: IGNITION, GAS ENGINE | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| DR BY: RLH | | DECATUR IN., 46733-5003 |
| NO.: 280-180 | DATE: 3-6-95 | (260) 724-9111 |

LEGEND

GROUND



UPPER DASH INSTRUMENT PANEL (REAR VIEW)



NOTES:
LT GY WIRES ARE FROM
RESPECTIVE IGNITION COILS.
ALL CONNECTIONS DENOTED
'BL' ARE CONNECTED IN
PARALLEL TO THE PANEL
LIGHT SWITCH ON THE DASH
ACCESSORY PANEL.
EACH SET OF GAUGES ARE
POWERED BY ITS CORRESPONDING
IGNITION SWITCH.

| CODE | COLOR | STRIPE | STRIPE |
|----------|---------|--------|--------|
| BL | BLUE | | |
| BK | BLACK | | |
| PR | PURPLE | | |
| PR/BK | PURPLE | BLACK | |
| TN | TAN | | |
| LT BL | LT BLUE | | |
| PR/WT | PURPLE | WHITE | |
| PK | PINK | | |
| PK/BK | PINK | BLACK | |
| LT GY | LT GREY | | |
| RD | RED | | |
| YL/RD | YELLOW | RED | |
| YL/RD/RD | YELLOW | RED | RED |

| TITLE: DASH INSTRUMENTS (UPPER PANEL) | | THUNDERBIRD PRODUCTS |
|--|---------------|-------------------------|
| | | P.O. BOX 1003 |
| MOD.: 280 SS TWN | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-190 | DATE: 3-22-95 | (260) 724-9111 |

LEGEND

GROUND

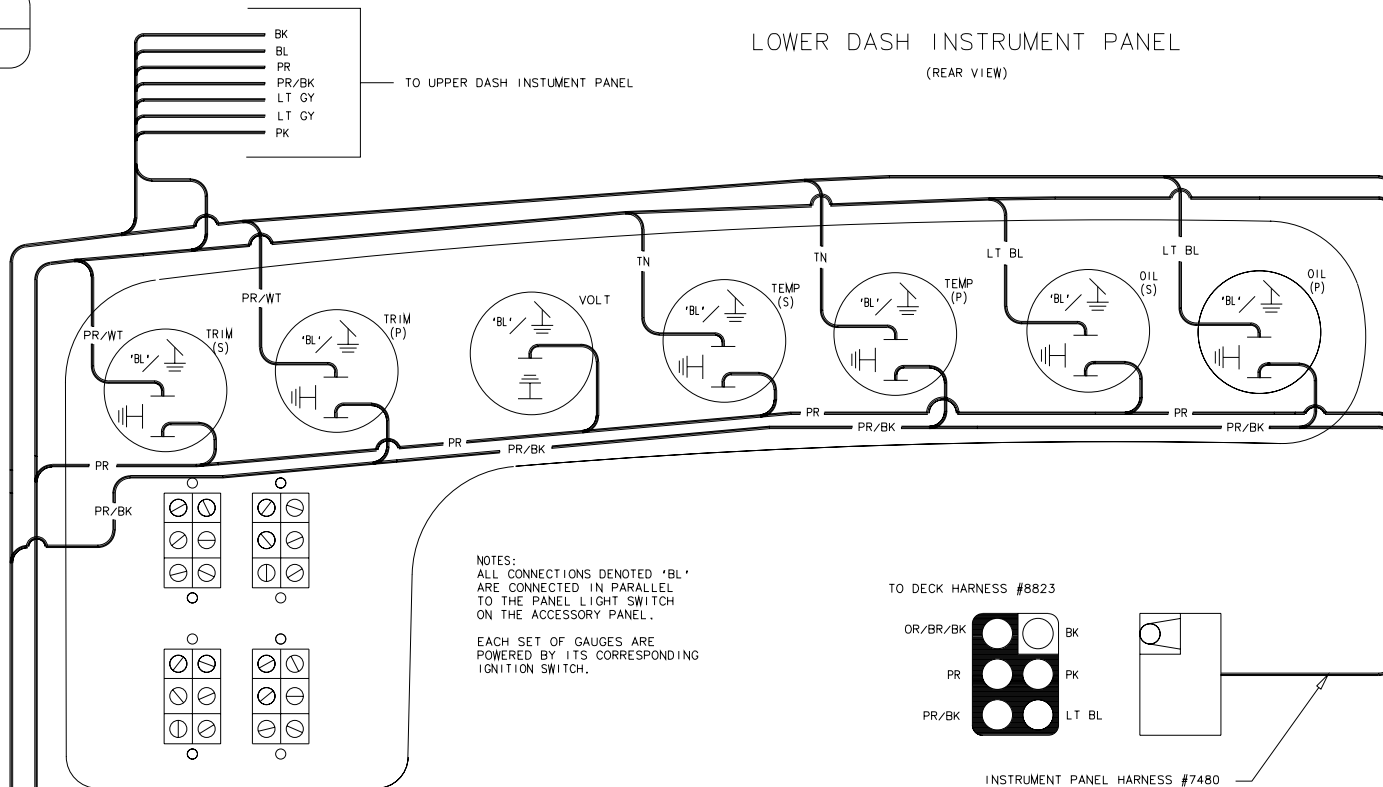


BK
BL
PR
PR/BK
LT GY
LT GY
PK

TO UPPER DASH INSTRUMENT PANEL

LOWER DASH INSTRUMENT PANEL

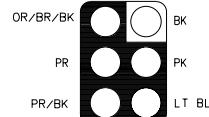
(REAR VIEW)



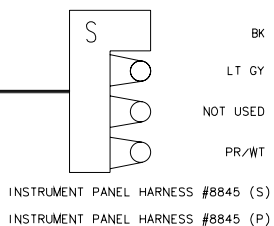
NOTES:
ALL CONNECTIONS DENOTED 'BL'
ARE CONNECTED IN PARALLEL
TO THE PANEL LIGHT SWITCH
ON THE ACCESSORY PANEL.

EACH SET OF GAUGES ARE
POWERED BY ITS CORRESPONDING
IGNITION SWITCH.

TO DECK HARNESS #8823

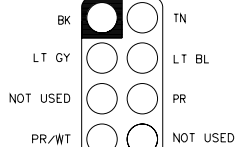


INSTRUMENT PANEL HARNESS #7480
(PK±BK NOT USED)

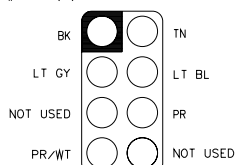


INSTRUMENT PANEL HARNESS #8845 (S)

INSTRUMENT PANEL HARNESS #8845 (P)



TO STBD ENGINE EXT. HARNESS #6157



TO PORT ENGINE EXT. HARNESS #6157

| CODE | COLOR | STRIPE | STRIPE |
|----------|---------|--------|--------|
| BL | BLUE | | |
| BK | BLACK | | |
| PR | PURPLE | | |
| PR/BK | PURPLE | BLACK | |
| TN | TAN | | |
| LT BL | LT BLUE | | |
| OR/BR/BK | ORANGE | BROWN | BLACK |
| PR/WT | PURPLE | WHITE | |
| PK | PINK | | |
| PK/BK | PINK | BLACK | |
| LT GY | LT GREY | | |
| RD | RED | | |
| YL/RD | YELLOW | RED | |
| YL/RD/RD | YELLOW | RED | RED |

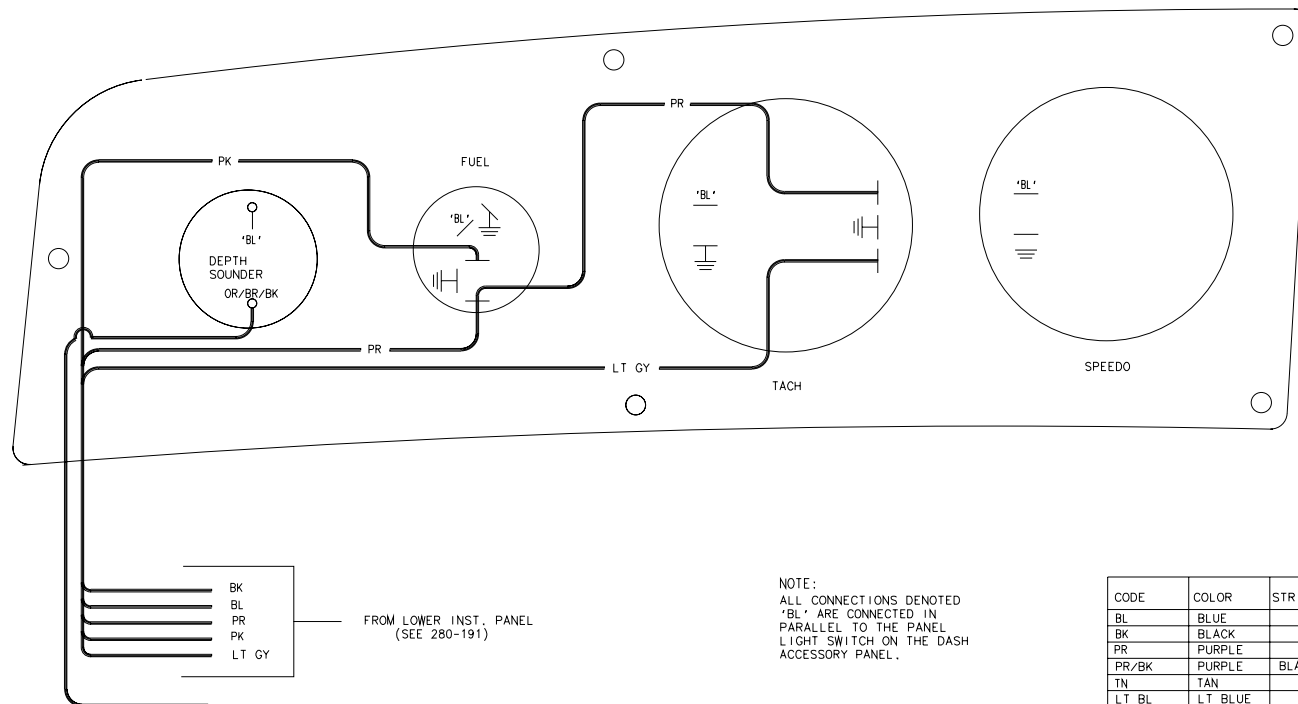
| TITLE: DASH INSTRUMENTS (LOWER PANEL) | | THUNDERBIRD PRODUCTS |
|--|---------------|-------------------------|
| | | P.O. BOX 1003 |
| MOD.: 280 SS TWN | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-191 | DATE: 3-24-95 | (260) 724-9111 |

LEGEND

GROUND



UPPER DASH INSTRUMENT PANEL (REAR VIEW)



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

| CODE | COLOR | STRIPE | STRIPE |
|----------|---------|--------|--------|
| BL | BLUE | | |
| BK | BLACK | | |
| PR | PURPLE | | |
| PR/BK | PURPLE | BLACK | |
| TN | TAN | | |
| LT BL | LT BLUE | | |
| PR/WT | PURPLE | WHITE | |
| PK | PINK | | |
| PK/BK | PINK | BLACK | |
| LT GY | LT GREY | | |
| RD | RED | | |
| YL/RD | YELLOW | RED | |
| YL/RD/RD | YELLOW | RED | RED |

| | | | |
|--|---------------|-------------------------|--|
| TITLE: DASH INSTRUMENTS (UPPER PANEL) | | THUNDERBIRD PRODUCTS | |
| | | P.O. BOX 1003 | |
| MOD.: 280 SS SGL | DR BY: RLH | DECATUR IN., 46733-5003 | |
| NO.: 280-192 | DATE: 3-24-95 | (260) 724-9111 | |

LEGEND

GROUND

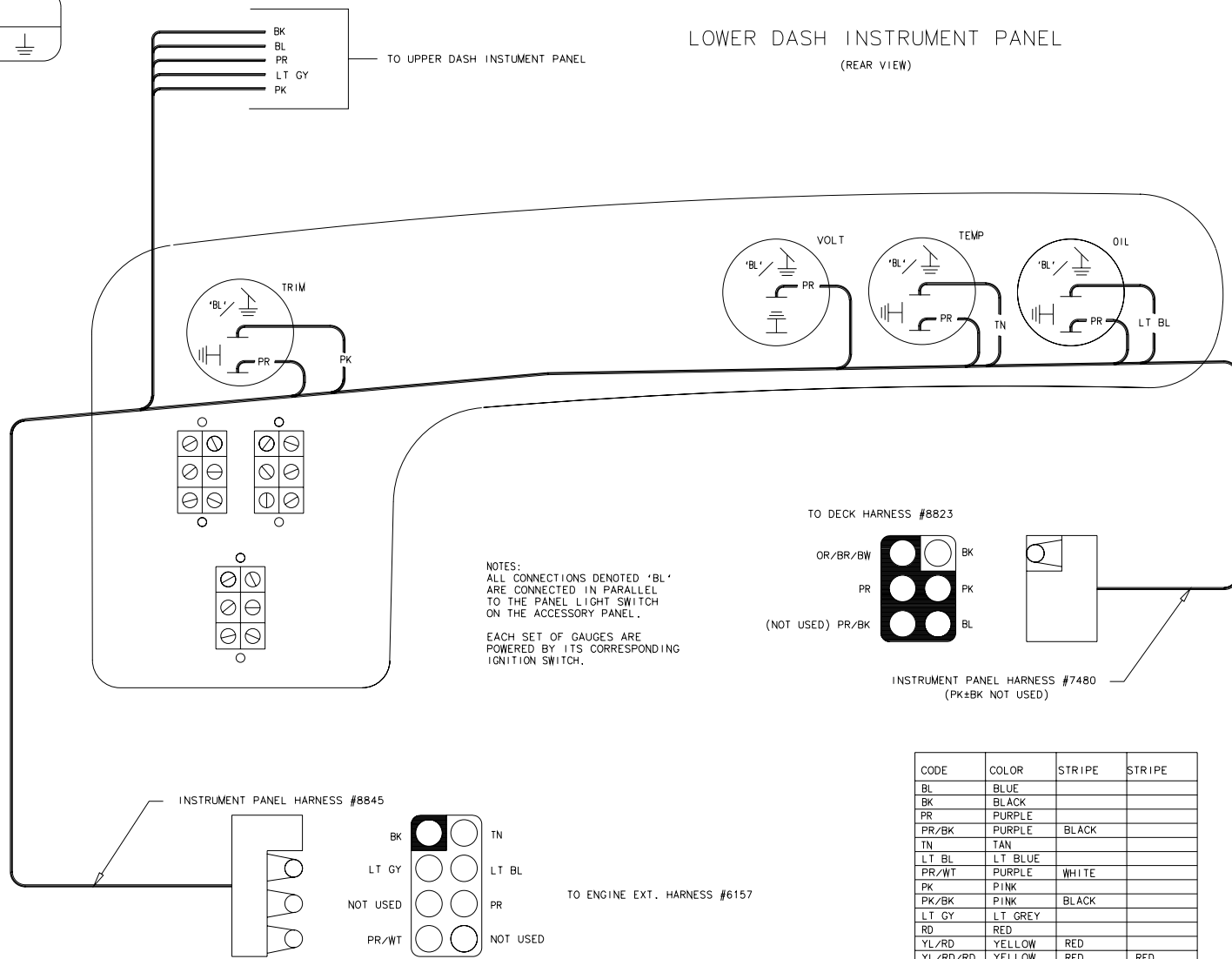


BK
BL
PR
LT GY
PK

TO UPPER DASH INSTRUMENT PANEL

LOWER DASH INSTRUMENT PANEL

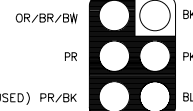
(REAR VIEW)



NOTES:
ALL CONNECTIONS DENOTED 'BL'
ARE CONNECTED IN PARALLEL
TO THE PANEL LIGHT SWITCH
ON THE ACCESSORY PANEL.

EACH SET OF GAUGES ARE
POWERED BY ITS CORRESPONDING
IGNITION SWITCH.

TO DECK HARNESS #8823



(NOT USED) PR/BK

INSTRUMENT PANEL HARNESS #7480
(PK±BK NOT USED)

| CODE | COLOR | STRIPE | STRIPE |
|----------|---------|--------|--------|
| BL | BLUE | | |
| BK | BLACK | | |
| PR | PURPLE | | |
| PR/BK | PURPLE | BLACK | |
| TN | TAN | | |
| LT BL | LT BLUE | | |
| PR/WT | PURPLE | WHITE | |
| PK | PINK | | |
| PK/BK | PINK | BLACK | |
| LT GY | LT GREY | | |
| RD | RED | | |
| YL/RD | YELLOW | RED | |
| YL/RD/RD | YELLOW | RED | RED |

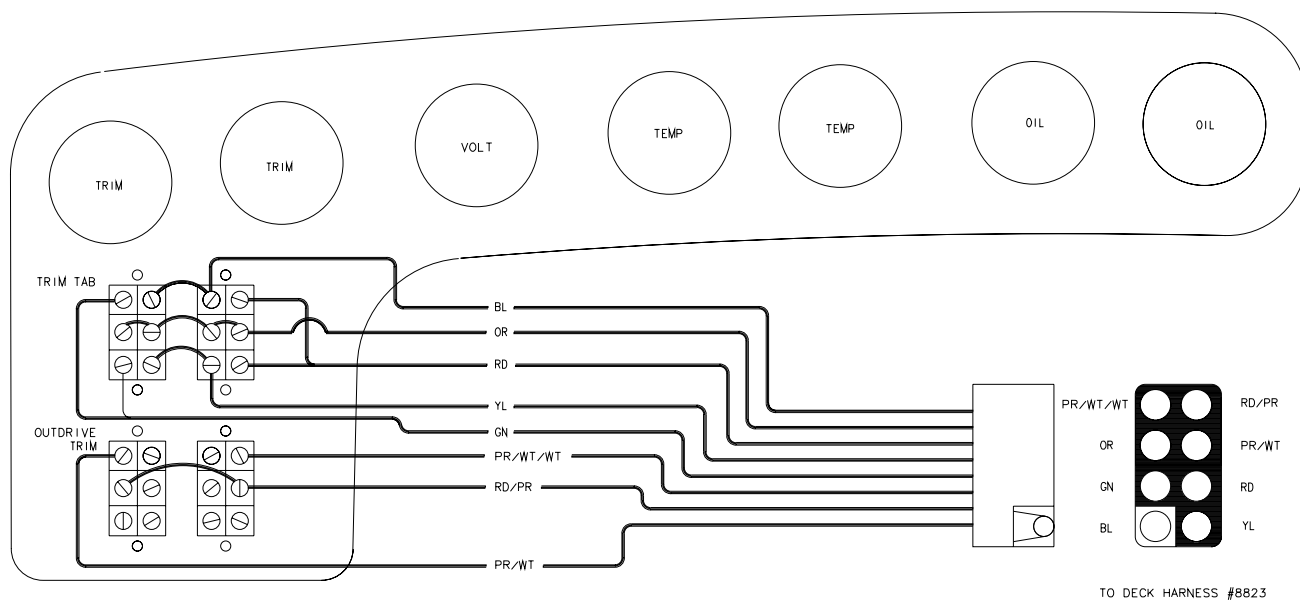
| | | |
|--|---------------|-------------------------|
| TITLE: DASH INSTRUMENTS (LOWER PANEL) | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS SGL | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-193 | DATE: 3-27-95 | (260) 724-9111 |

LEGEND

GROUND



LOWER DASH INSTRUMENT PANEL



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

| | | |
|---|---------------|-------------------------|
| TITLE: TRIM PANEL (LOWER DASH PANEL) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS TWN | | P.O. BOX 1003 |
| DR BY: RLH | | DECATUR IN., 46733-5003 |
| NO.: 280-194 | DATE: 3-27-95 | (260) 724-9111 |

GROUND



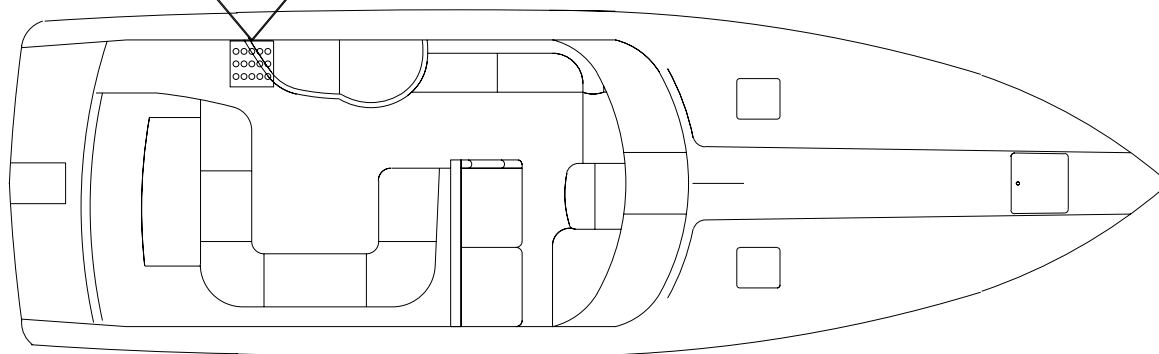
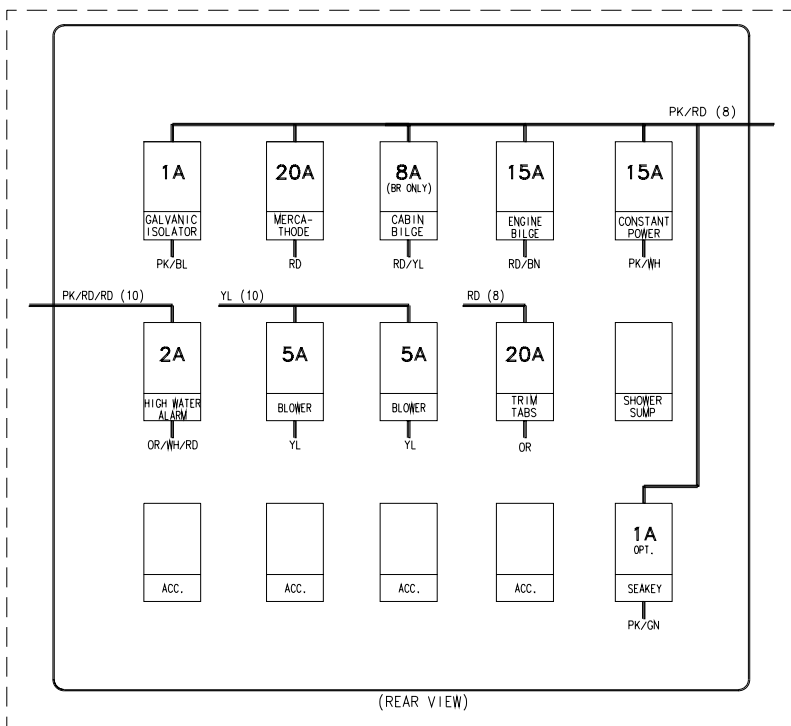
TO DECK HARNESS #8823

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

NOTE: VOLVO OUTDRIVE IS HARD WIRED.

| | | |
|---|---------------|-------------------------|
| TITLE: TRIM PANEL (LOWER DASH PANEL) | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS SGL | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-195 | DATE: 3-29-95 | (260) 724-9111 |

AFT BREAKER PANEL
(LOCATED UNDER WET BAR)



PANEL #185113
PIGTAIL #8827

| | | |
|--------------------------|---------------|-------------------------|
| TITLE: AFT BREAKER PANEL | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: JAW | DECATUR IN., 46733-5003 |
| NO.: 280-196 | DATE: 6/10/03 | (260) 724-9111 |

LEGEND

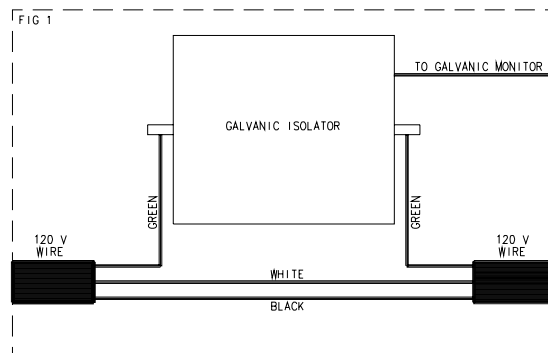
AFT BREAKER
PANEL



PLUG
INTERCONNECT



AC/DC PANEL

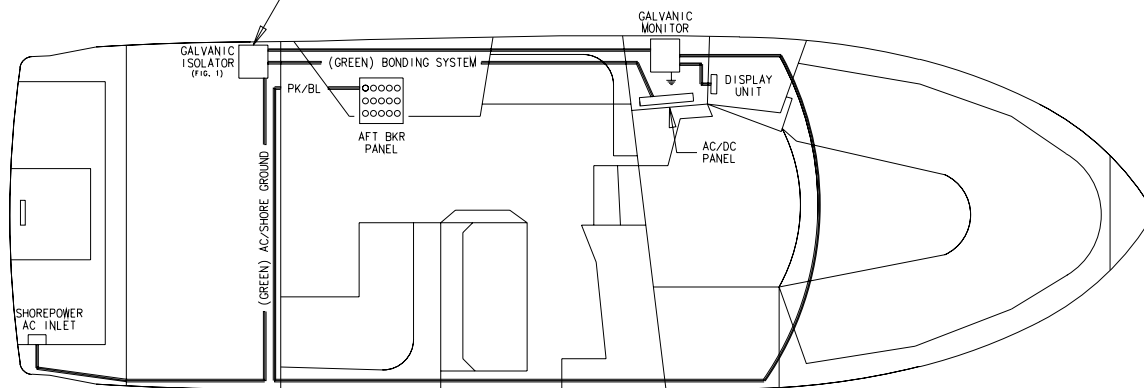


TEST PROCEDURE:

1. PLUG IN SHORE CORD AND TURN ON SHOREPOWER BREAKER.
2. LOOK AT GALVANIC DISPLAY: IT SHOULD SAY GROUND WIRE NORMAL AND GALVANIC ISOLATOR NORMAL.

NOTE:

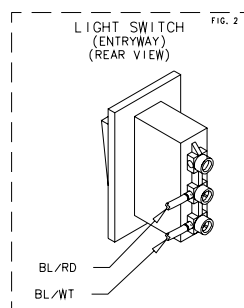
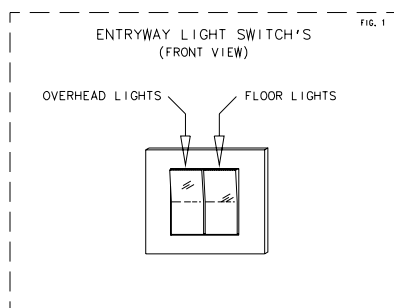
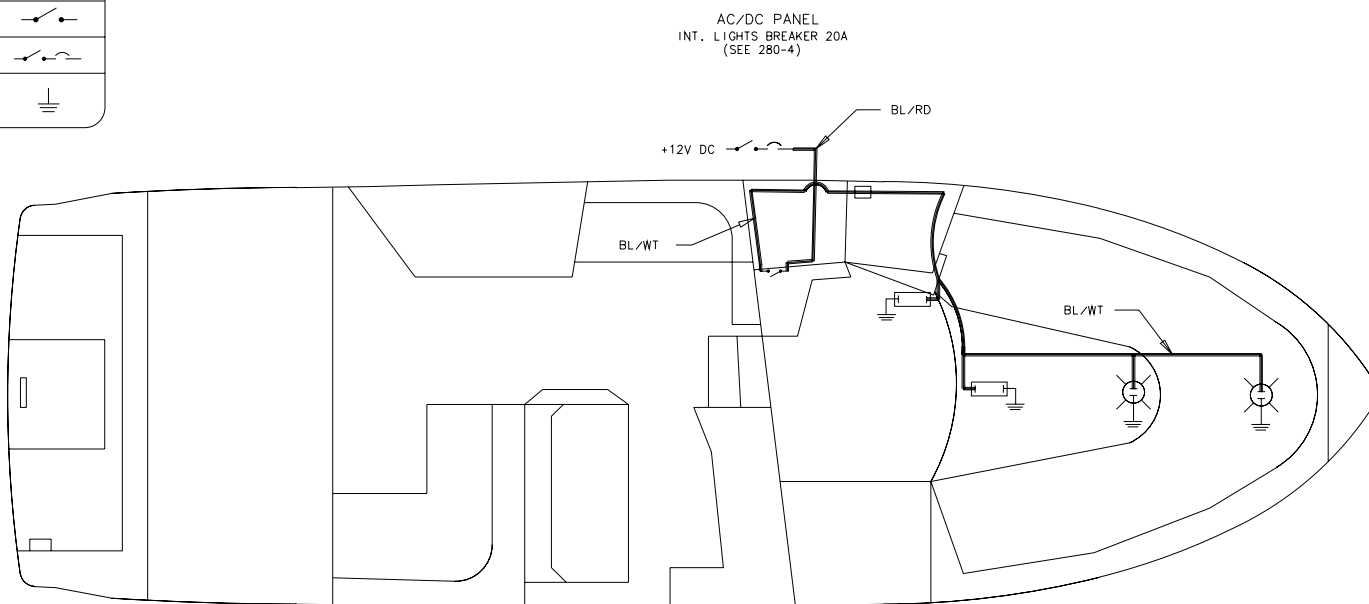
GALVANIC ISOLATOR WILL OPERATE AUTOMATICALLY WHEN BOAT IS SUPPLIED WITH SHOREPOWER.



| | | | |
|--------------------------|--|-------------------------|--|
| TITLE: GALVANIC ISOLATOR | | THUNDERBIRD PRODUCTS | |
| MOD.: 280 SS | | P.O. BOX 1003 | |
| NO.: 280-197 | | DECATUR IN., 46733-5003 | |
| DATE: 6/10/03 | | (260) 724-9111 | |

LEGEND

| | |
|-------------------|--|
| LIGHT | |
| LIGHT | |
| PLUG INTERCONNECT | |
| SWITCH | |
| SWITCHED BREAKER | |
| GROUND | |



NOTE:

CABIN LIGHTS ARE POWERED BY THE 12V BATTERY.

TO OPERATE:

1. THE BATTERY SELECTOR SWITCH, UNDER THE WET BAR, MUST BE TURNED TO "1", "2" OR "ALL".
2. THE DC MAIN BREAKER AT THE AC/DC PANEL MUST BE SWITCHED ON.
3. THE "INT. LIGHTS" BREAKER AT THE AC/DC PANEL MUST BE SWITCHED "ON".
4. THE ENTRYWAY'S FIRST SWITCH IS NOW SUPPLIED WITH POWER TO TURN LIGHTS ON.

| | | |
|---------------------|--|-------------------------|
| TITLE: CABIN LIGHTS | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-200 | | DECATUR IN., 46733-5003 |
| DATE: 3-8-95 | | (260) 724-9111 |

| LEGEND | |
|-------------------|--|
| LIGHT | |
| LIGHT | |
| PLUG INTERCONNECT | |
| SWITCH | |
| SWITCHED BREAKER | |
| GROUND | |

LIGHT 

PLUG INTERCONNECT 

SWITCH

SWITCHED BREAKER

GROUND

FIG. 1

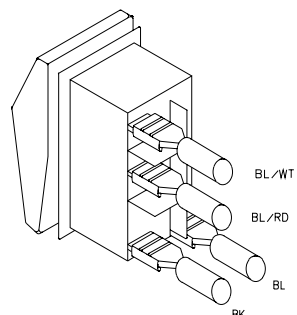
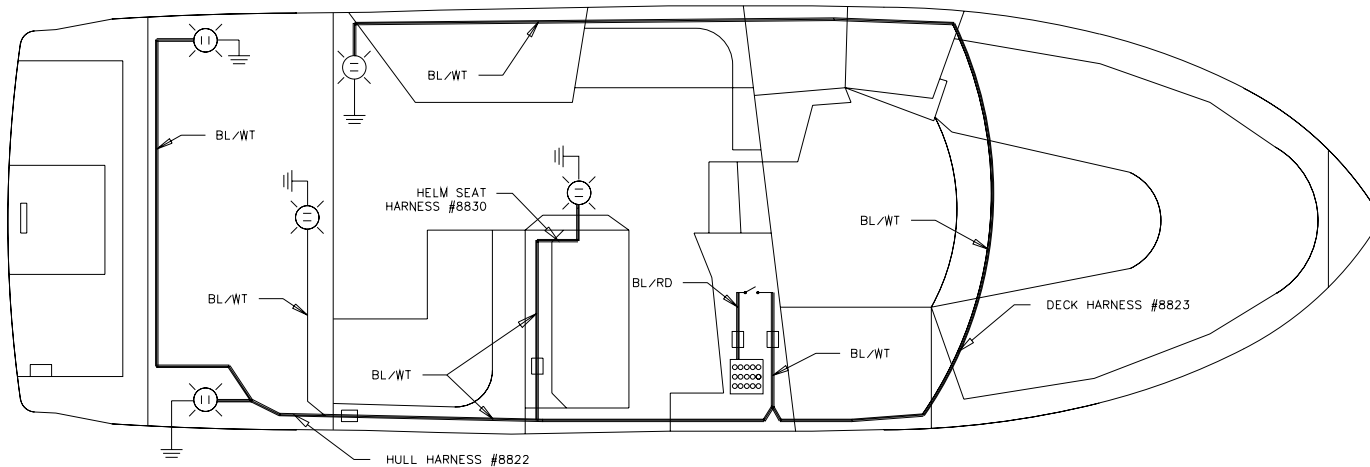
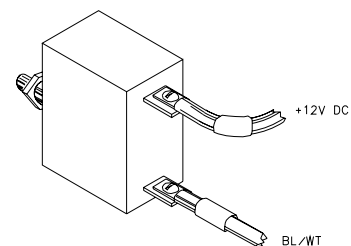


FIG.



TO OPERATE:

1. THE BATTERY SELECTOR SWITCH UNDER THE WET BAR, MUST BE TURNED TO "1", "2", OR "ALL".
2. THE "LIGHTS" BUTTON ON THE UNDER DASH BREAKER PANEL, MUST BE PUSHED IN OR CONNECTED. THE COURTESY LIGHTS SWITCH ON THE DASH PANEL IS NOW SUPPLIED WITH 12V DC TO TURN THE COURTESY LIGHTS ON.

| | | |
|---|--------------|-------------------------|
| TITLE: COURTESY LIGHTS/ ENGINE ROOM LIGHTS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-201 | DATE: 3-8-95 | (260) 724-9111 |

LEGEND

C-BREAKER
PANEL



LIGHT



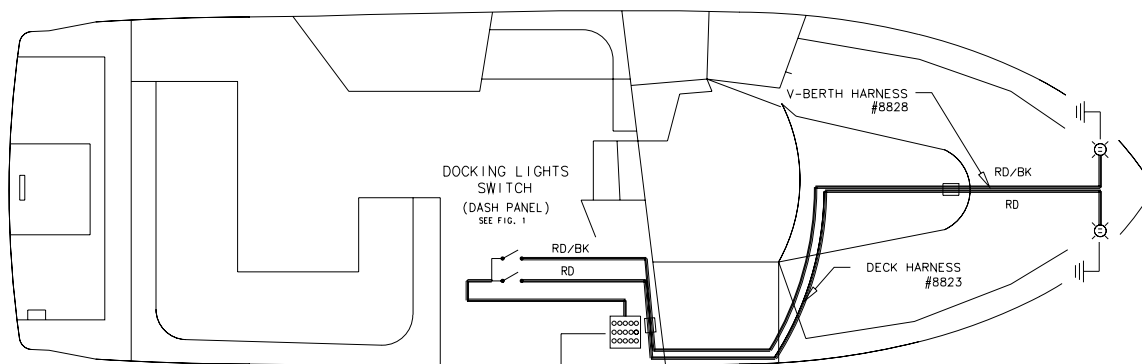
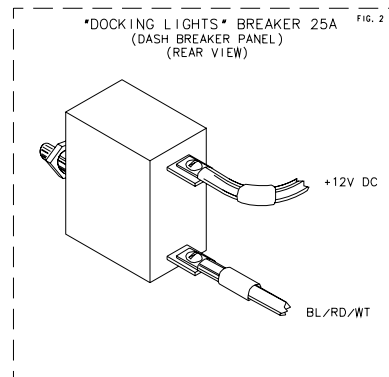
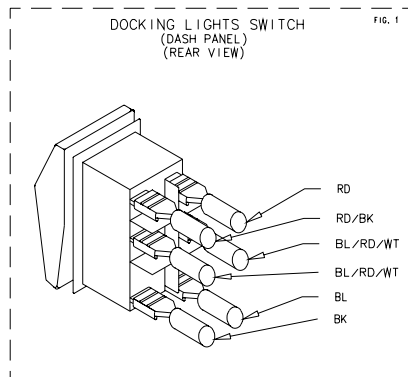
PLUG



SWITCH



DC GROUND



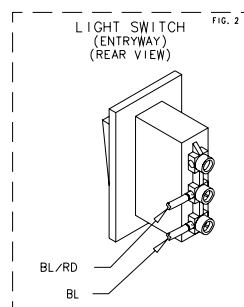
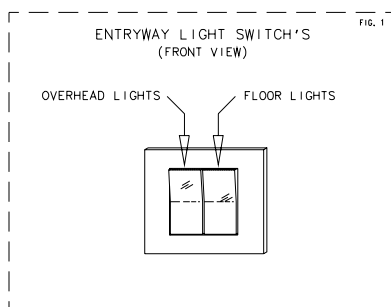
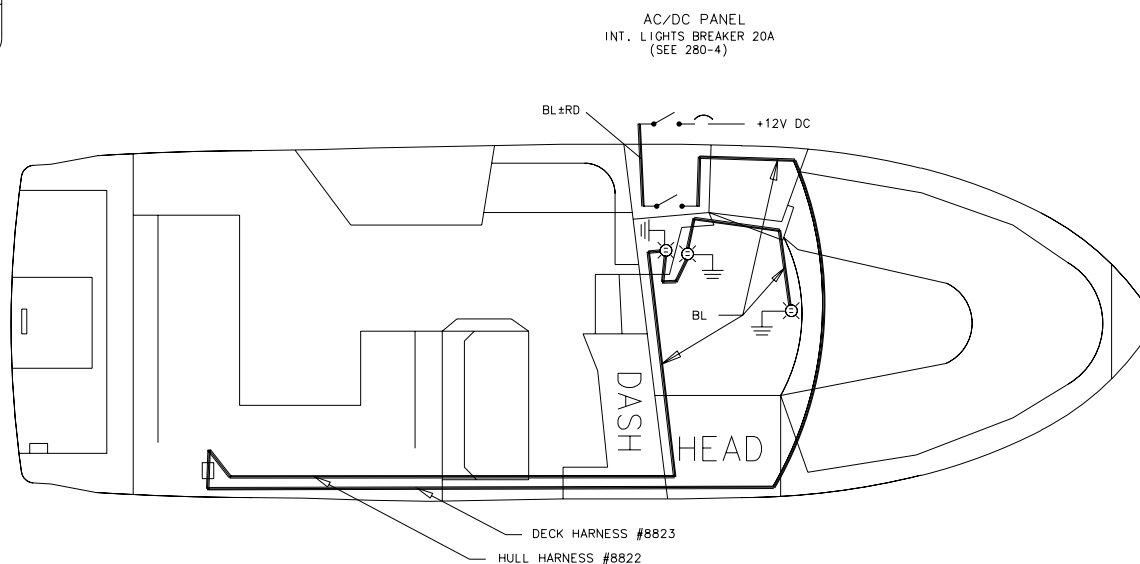
NOTE:
THE DOCKING LIGHTS ARE POWERED BY A 12V DC
BATTERY.

TO OPERATE:
1. THE BATTERY SELECTOR SWITCH UNDER THE
WET BAR, MUST BE TURNED TO "1", "2", OR "ALL".
THE "DOCKING LIGHTS" BUTTON ON THE UNDER DASH
BREAKER PANEL, MUST BE PUSHED IN OR CONNECTED.
THE DOCKING LIGHTS SWITCH ON THE DASH
PANEL IS NOW SUPPLIED WITH 12V DC TO TURN
THE DOCKING LIGHTS ON.

| | | |
|-----------------------|--|-------------------------|
| TITLE: DOCKING LIGHTS | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-202 | | DECATUR IN., 46733-5003 |
| DATE: 3-15-95 | | (260) 724-9111 |

LEGEND

| | |
|-------------------|--|
| LIGHT | |
| LIGHT | |
| PLUG INTERCONNECT | |
| SWITCH | |
| SWITCHED BREAKER | |
| GROUND | |



NOTE:

FLOOR LIGHTS ARE POWERED
BY THE 12V BATTERY.

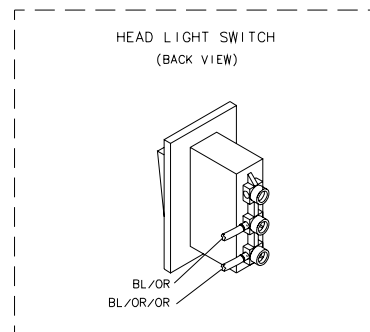
TO OPERATE:

1. THE BATTERY SELECTOR SWITCH, UNDER THE WET BAR, MUST BE TURNED TO "1", "2" OR "ALL".
2. THE DC MAIN BREAKER AT THE AC/DC PANEL MUST BE SWITCHED ON.
3. THE "INT. LIGHTS" BREAKER AT THE AC/DC PANEL MUST BE SWITCHED "ON".
4. THE ENTRYWAY'S SECOND SWITCH IS NOW SUPPLIED WITH POWER TO TURN LIGHTS ON.

| | | | |
|-----------------------|--|------------------------------|--|
| TITLE: FLOOR LIGHTING | | THUNDERBIRD PRODUCTS | |
| MOD.: 280 SS | | P.O. BOX 1003 | |
| DR BY: RLH | | DECATUR IN., 46733-5003 | |
| NO.: 280-203 | | DATE: 3-22-95 (260) 724-9111 | |

LEGEND

| | |
|-------------------|--|
| LIGHT | |
| SWITCH | |
| PLUG INTERCONNECT | |
| SWITCHED BREAKER | |
| GROUND | |

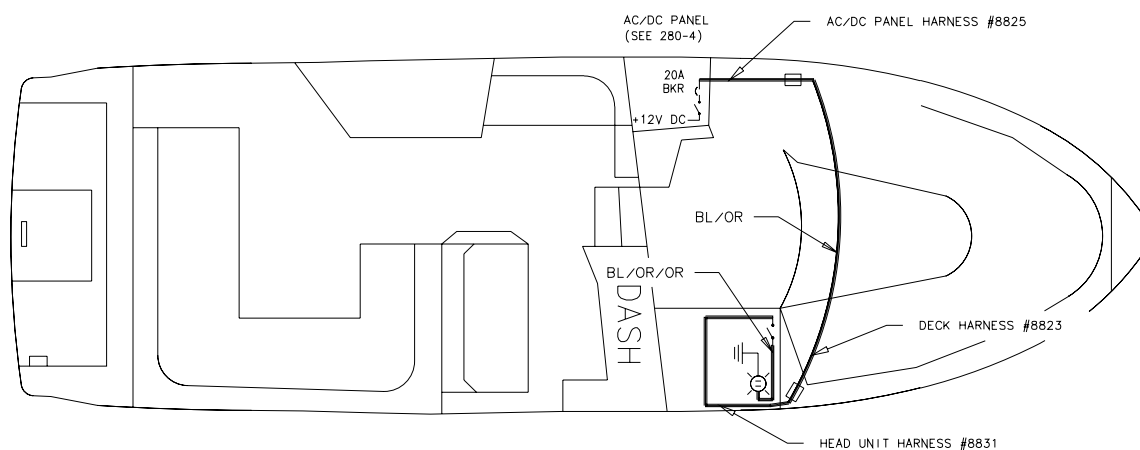


NOTE:

CABIN LIGHTS ARE POWERED BY THE 12V BATTERY.

TO OPERATE:

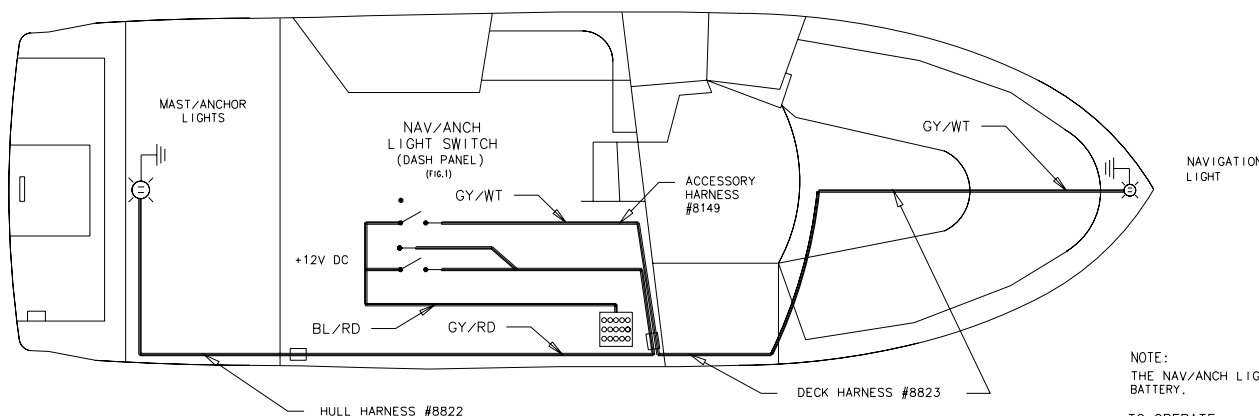
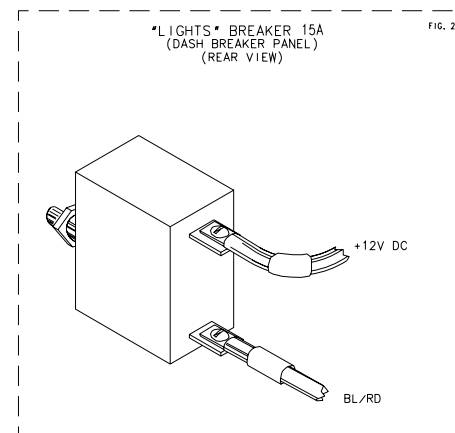
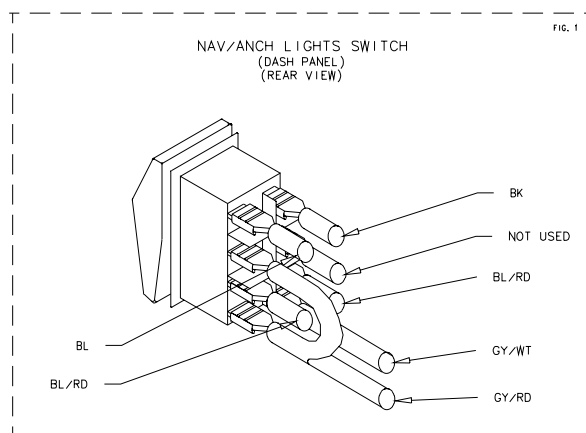
1. THE BATTERY SELECTOR SWITCH, UNDER THE WET BAR, MUST BE TURNED TO "1", "2" OR "ALL".
2. THE DC MAIN BREAKER AT THE AC/DC PANEL MUST BE SWITCHED ON.
3. THE CABIN LIGHT BREAKER AT THE AC/DC PANEL MUST BE SWITCHED ON.
4. SWITCH IN THE HEAD IS NOW SUPPLIED WITH POWER TO TURN ON THE LIGHT.



| | | |
|----------------------|---------------|-------------------------|
| TITLE: HEAD LIGHTING | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-204 | DATE: 3-10-95 | (260) 724-9111 |

LEGEND

| | |
|----------------------|--|
| C-BREAKER PANEL | |
| LIGHT | |
| PLUG INTERCONNECT | |
| SWITCH | |
| GROUND | |







NOTE:
THE NAV/ANCH LIGHTS ARE POWERED BY A 12V DC BATTERY.

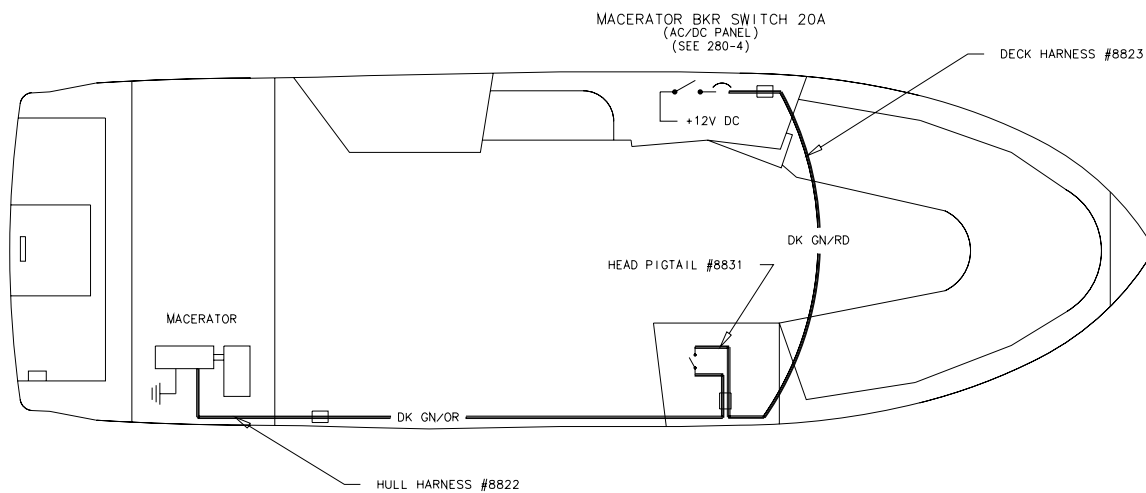
TO OPERATE:

1. THE BATTERY SELECTOR SWITCH, UNDER THE WET BAR, MUST BE TURNED TO "1", "2", OR "ALL".
2. THE "LIGHTS" BUTTON ON THE UNDER DASH BREAKER PANEL, MUST BE PUSHED IN OR CONNECTED. THE NAV/ANCH LIGHTS SWITCH ON THE DASH PANEL IS NOW SUPPLIED WITH 12V DC TO TURN THE NAV/ANCH LIGHTS ON.

| | | |
|------------------------|---------------|-------------------------|
| TITLE: NAV/ANCH LIGHTS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-205 | DATE: 3-13-95 | (260) 724-9111 |





LEGEND

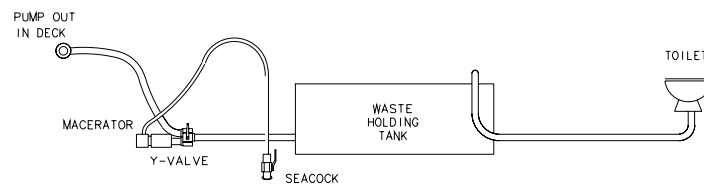
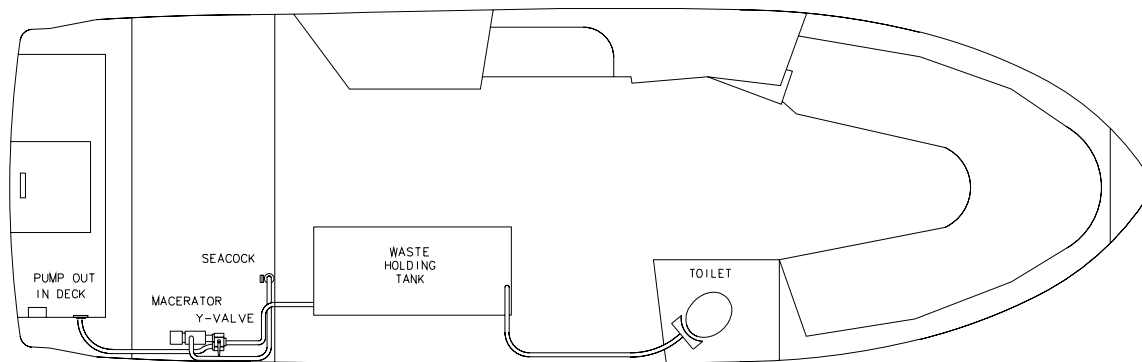
| | |
|----------------------|---|
| SWITCH |  |
| GROUND |  |
| PLUG INTERCONNECT |  |
| FLOAT SWITCH |  |



| | | |
|----------------------------------|--------------|-------------------------|
| TITLE: MACERATOR (ELECTRICAL) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-210 | DR BY: RLH | DECATUR IN., 46733-5003 |
| | DATE: 6-6-95 | (260) 724-9111 |

LEGEND

| | |
|----------------------|---|
| SWITCH |  |
| GROUND |  |
| PLUG INTERCONNECT |  |
| FLOAT SWITCH |  |

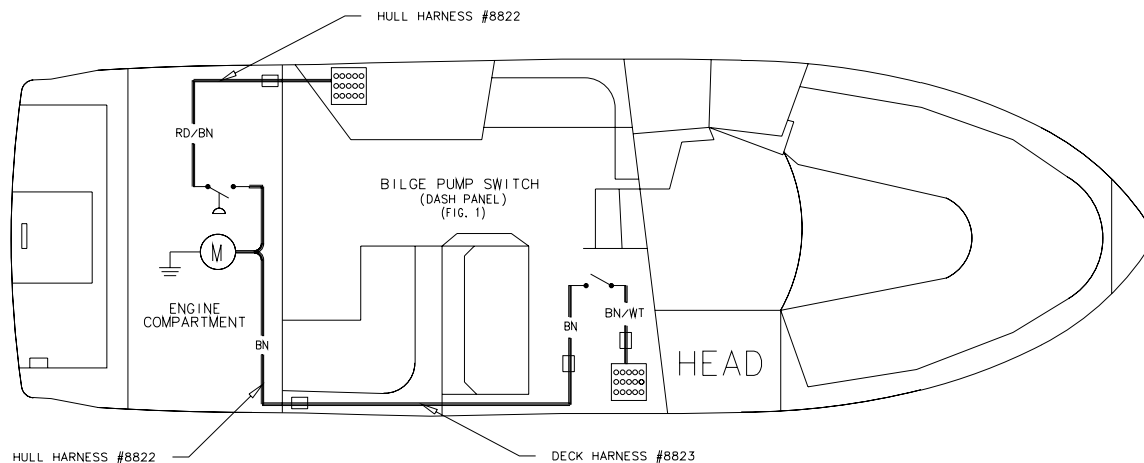


SIDEVIEW

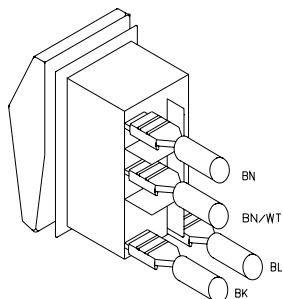
| | | |
|--------------------------------|--------------|-------------------------|
| TITLE: MACERATOR (PLUMBING) | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-211 | DATE: 6-6-95 | (260) 724-9111 |

LEGEND

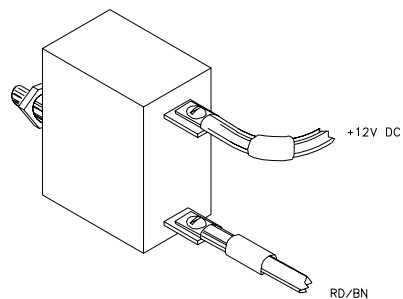
| | |
|----------------------|--|
| C-BREAKER PANEL | |
| GROUND | |
| PLUG INTERCONNECT | |
| FLOAT SWITCH | |



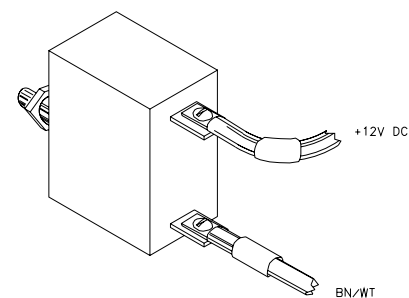
BILGE PUMP SWITCH
(DASH PANEL)
(REAR VIEW)



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



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



| | | |
|---------------------------------------|--------------|-------------------------|
| TITLE: PUMP, ENGINE BILGE (WIRING) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-220 | DR BY: RLH | DECATUR IN., 46733-5003 |
| | DATE: 4-7-95 | (260) 724-9111 |

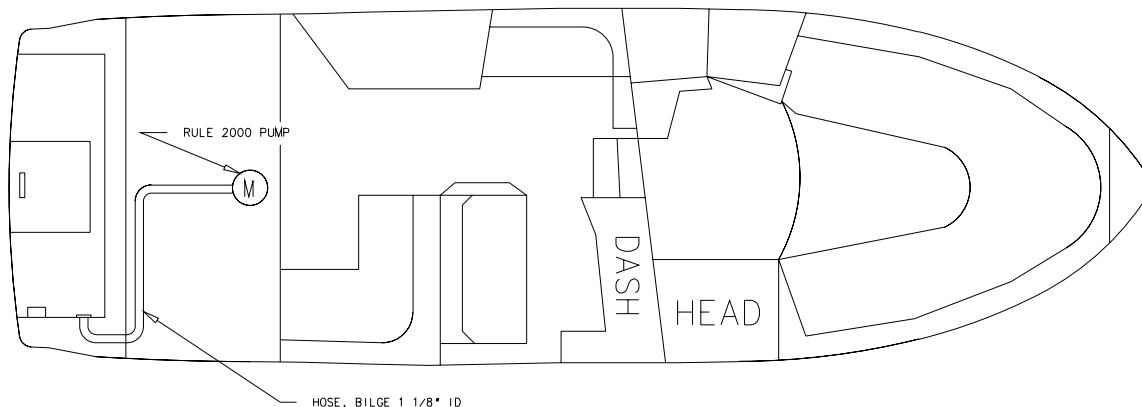
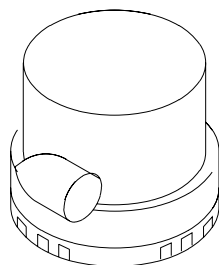
LEGEND

MOTOR/PUMP



RULE 2000 PUMP
(ENGINE BILGE)

FIG. 2

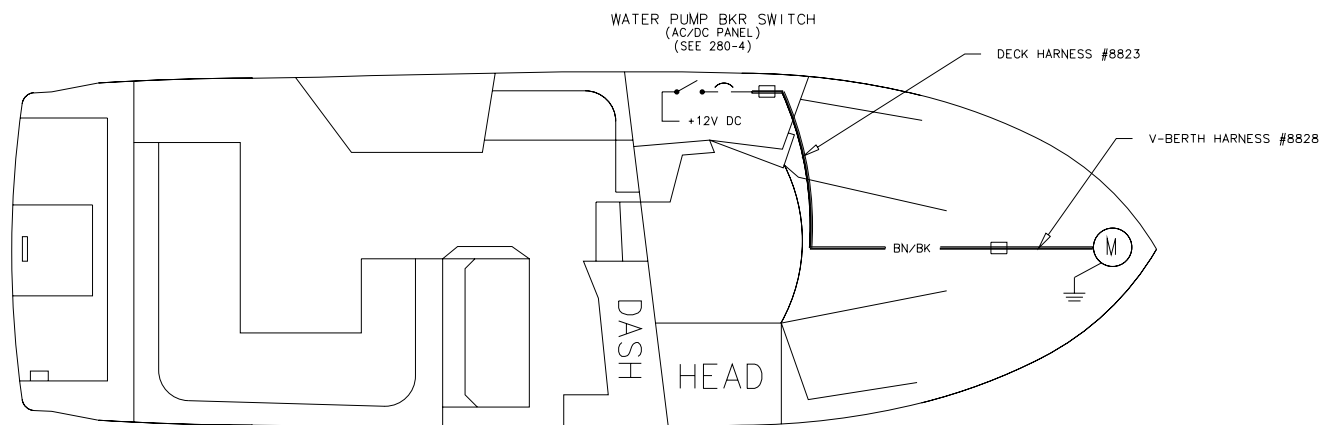


ENGINE BILGE DRAINS THROUGH
THE BOTTOM SIDE OF THE
SWIM PLATFORM.

| | | |
|------------------------------|---------------|-------------------------|
| TITLE: PUMP, ENGINE BILGE | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-221 | DR BY: RLH | DECATUR IN., 46733-5003 |
| | DATE: 3-27-95 | (260) 724-9111 |

LEGEND

| | |
|----------------------|--|
| MOTOR | |
| GROUND | |
| PLUG INTERCONNECT | |
| FLOAT SWITCH | |

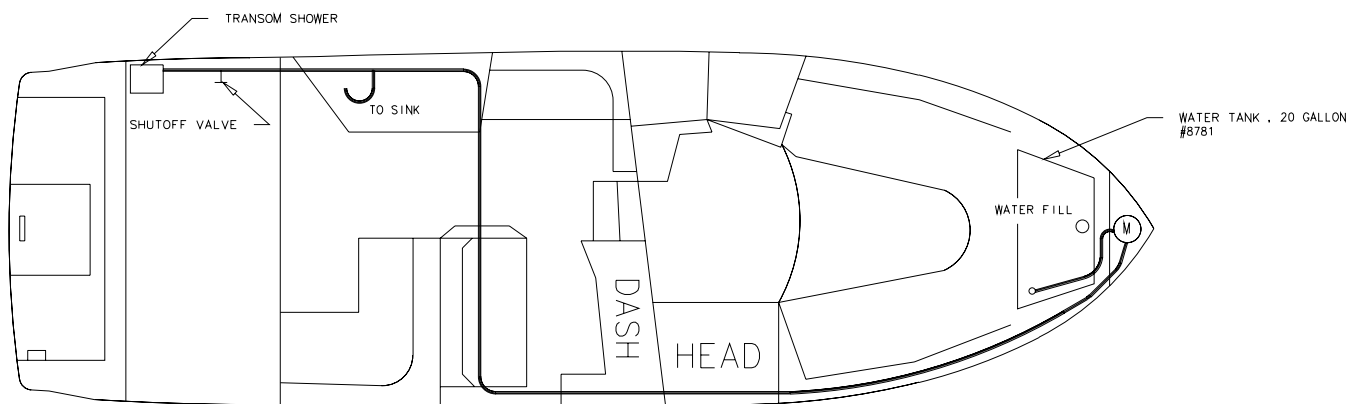


| | | |
|------------------------------------|---------------|-------------------------|
| TITLE: PUMP, WATER (ELECTRICAL) | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-222 | DATE: 4-10-95 | (260) 724-9111 |

LEGEND

WATER LINE
1/2" ID, 5/8" OD

MOTOR



| | | |
|----------------------------------|---------------|-------------------------|
| TITLE: PUMP, WATER (PLUMBING) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| DR BY: RLH | | DECATUR IN., 46733-5003 |
| NO.: 280-223 | DATE: 4-12-95 | (260) 724-9111 |

LEGEND

C-BREAKER
PANEL



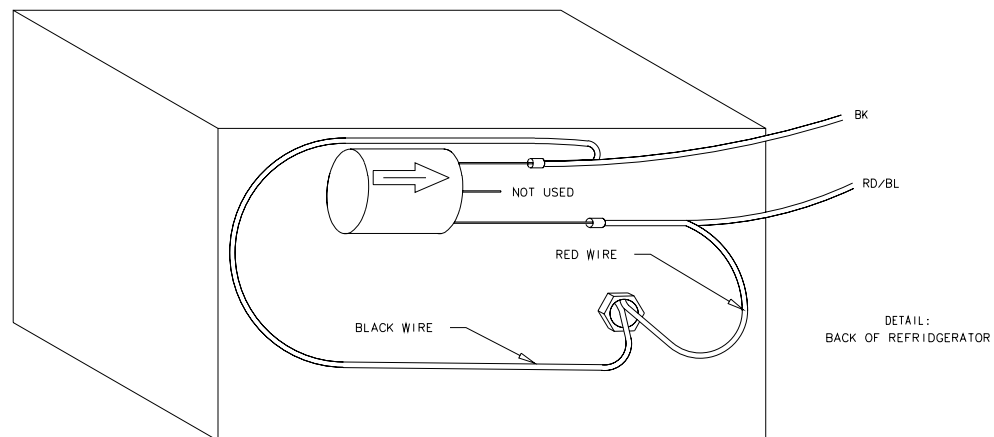
SWITCHED
BREAKER



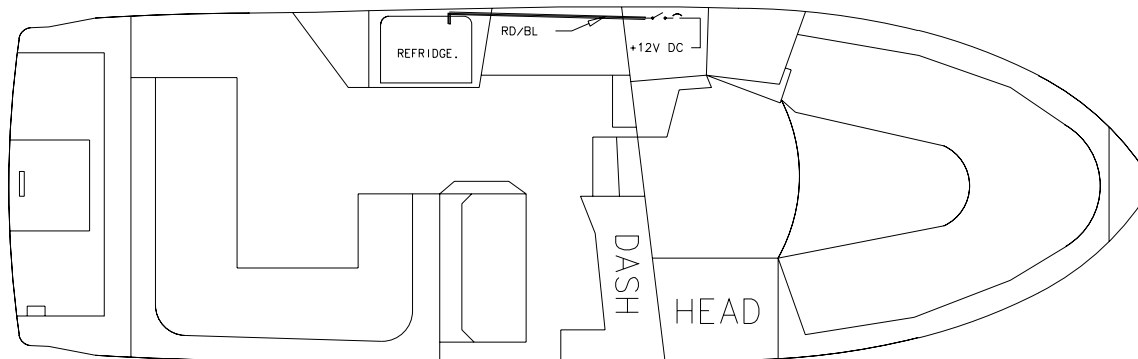
PLUG
INTERCONNECT



SPLICE
INTERCONNECT



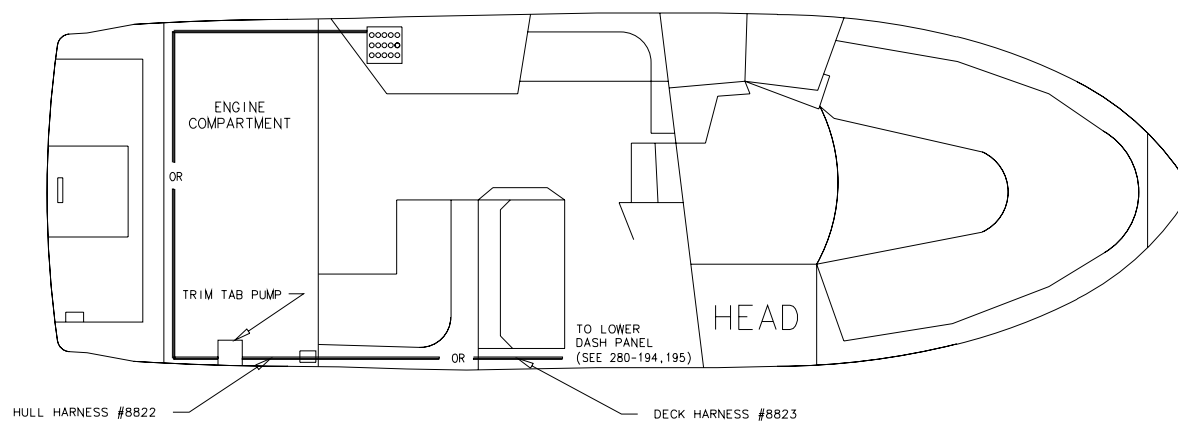
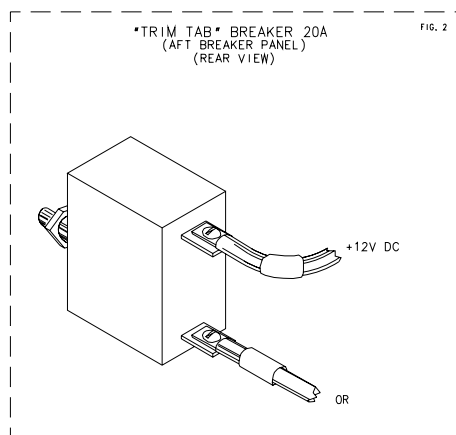
AC/DC PANEL
REFRIDGERATOR BREAKER 10A
(SEE 280-4)



| | | | |
|----------------------|--------------|-------------------------|--|
| TITLE: REFRIDGERATOR | | THUNDERBIRD PRODUCTS | |
| | | P.O. BOX 1003 | |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 | |
| NO.: 280-225 | DATE: 6-6-95 | (260) 724-9111 | |

LEGEND

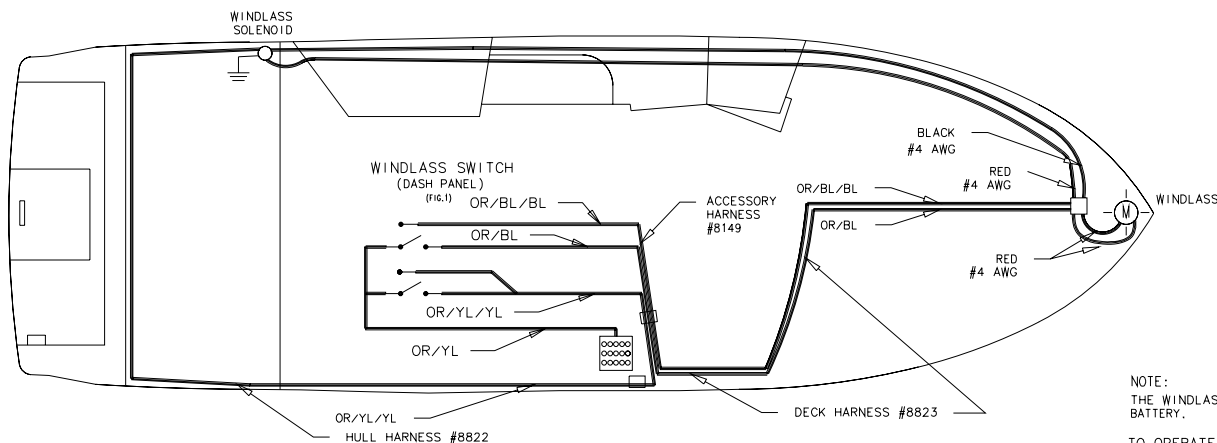
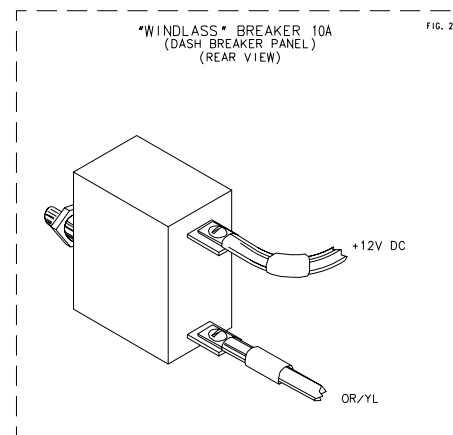
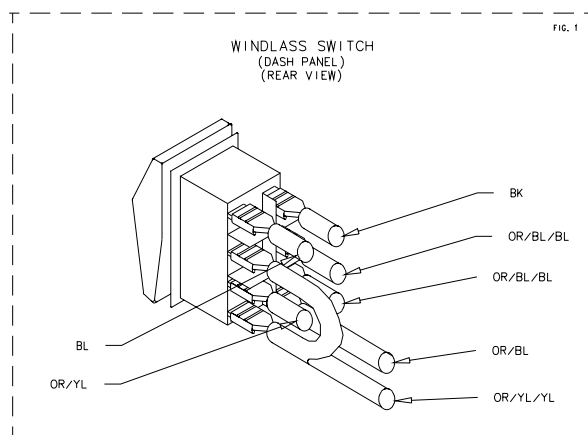
| | |
|-----------------------------|--|
| C-BREAKER PANEL | |
| PLEX. DISTRIBUTION BLOCK | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |



| | | |
|------------------|---------------|-------------------------|
| TITLE: TRIM TABS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-230 | DATE: 3-27-95 | (260) 724-9111 |

LEGEND

| | |
|----------------------|--|
| C-BREAKER PANEL | |
| MOTOR | |
| PLUG INTERCONNECT | |
| SWITCH | |
| GROUND | |



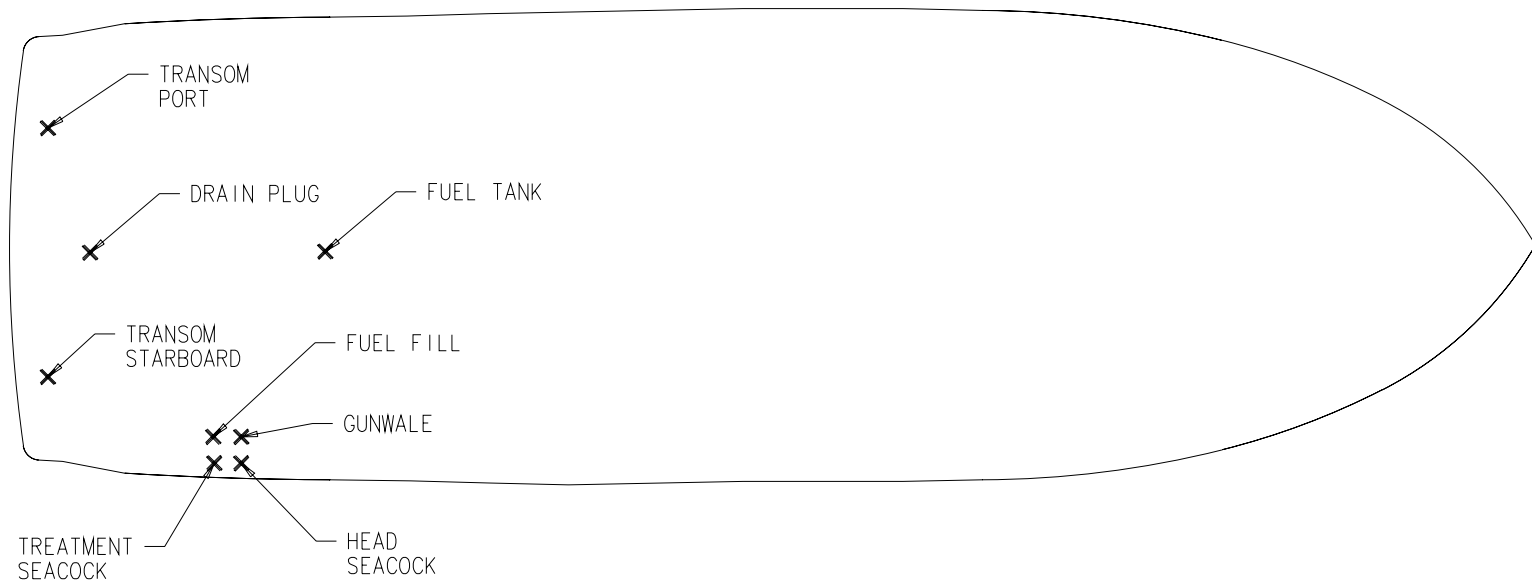
NOTE:
THE WINDLASS IS POWERED BY A 12V DC
BATTERY.

TO OPERATE:

1. THE BATTERY SELECTOR SWITCH, UNDER THE
WET BAR, MUST BE TURNED TO "1", "2", OR "ALL".
2. THE "WINDLASS" BUTTON ON THE UNDER DASH
BREAKER PANEL, MUST BE PUSHED IN OR CONNECTED.
THE WINDLASS SWITCH ON THE DASH
PANEL IS NOW SUPPLIED WITH 12V DC TO RAISE
AND LOWER THE ANCHOR.

| | | |
|-----------------|--------------|-------------------------|
| TITLE: WINDLASS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-240 | DATE: 6-2-95 | (260) 724-9111 |

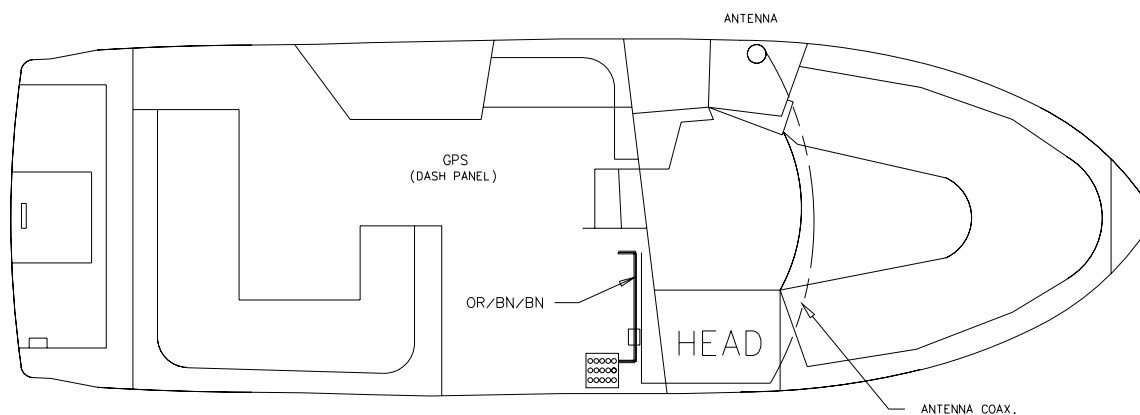
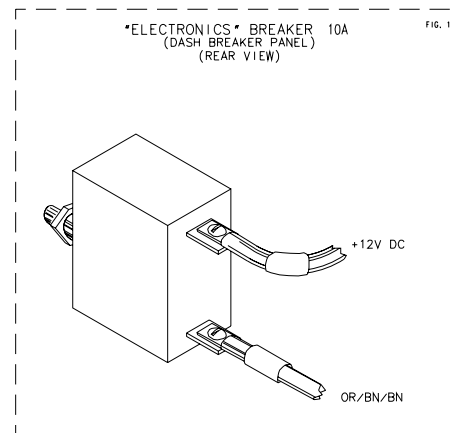
NOTE:
ALL BONDING WIRES ARE LIGHT GREEN
ALL GROUND WIRES ARE BLACK



| | | |
|----------------|--------------|-------------------------|
| TITLE: BONDING | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: JAW | DECATUR IN., 46733-5003 |
| NO.: 280- 241 | DATE: 6/9/03 | (260) 724-9111 |

LEGEND

| | |
|-----------------------------|--|
| C-BREAKER PANEL | |
| PLEX. DISTRIBUTION BLOCK | |
| PLUG INTERCONNECT | |
| SPLICE INTERCONNECT | |



| | | |
|--------------|--------------|-------------------------|
| TITLE: GPS | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-250 | DATE: 6-5-95 | (260) 724-9111 |

LEGEND

STEREO



SPEAKER



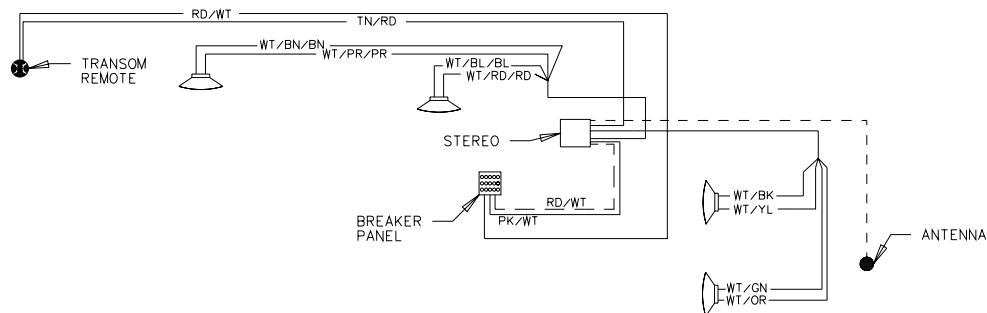
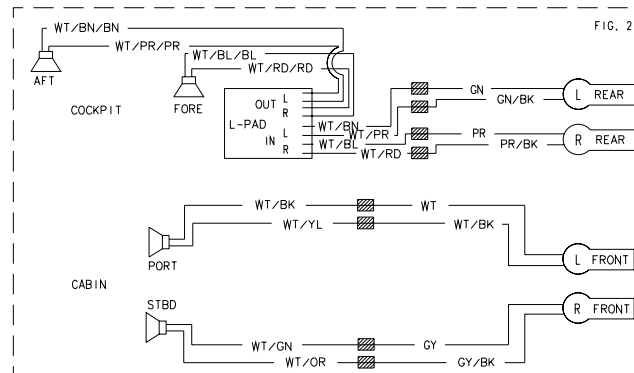
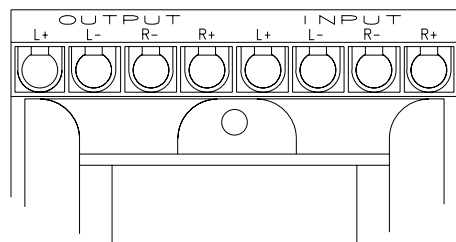
PLUG
INTERCONNECT



SPLICE
INTERCONNECT

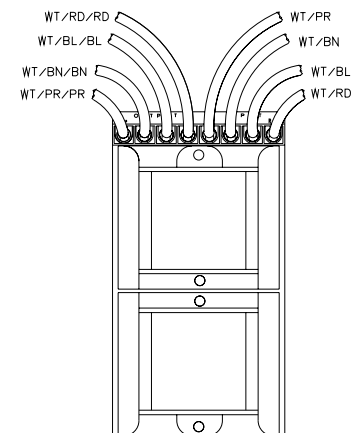
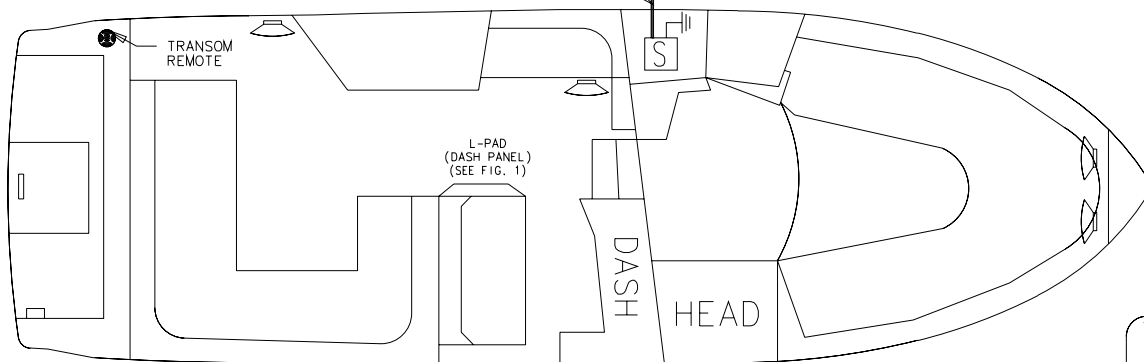


BREAKER PANEL



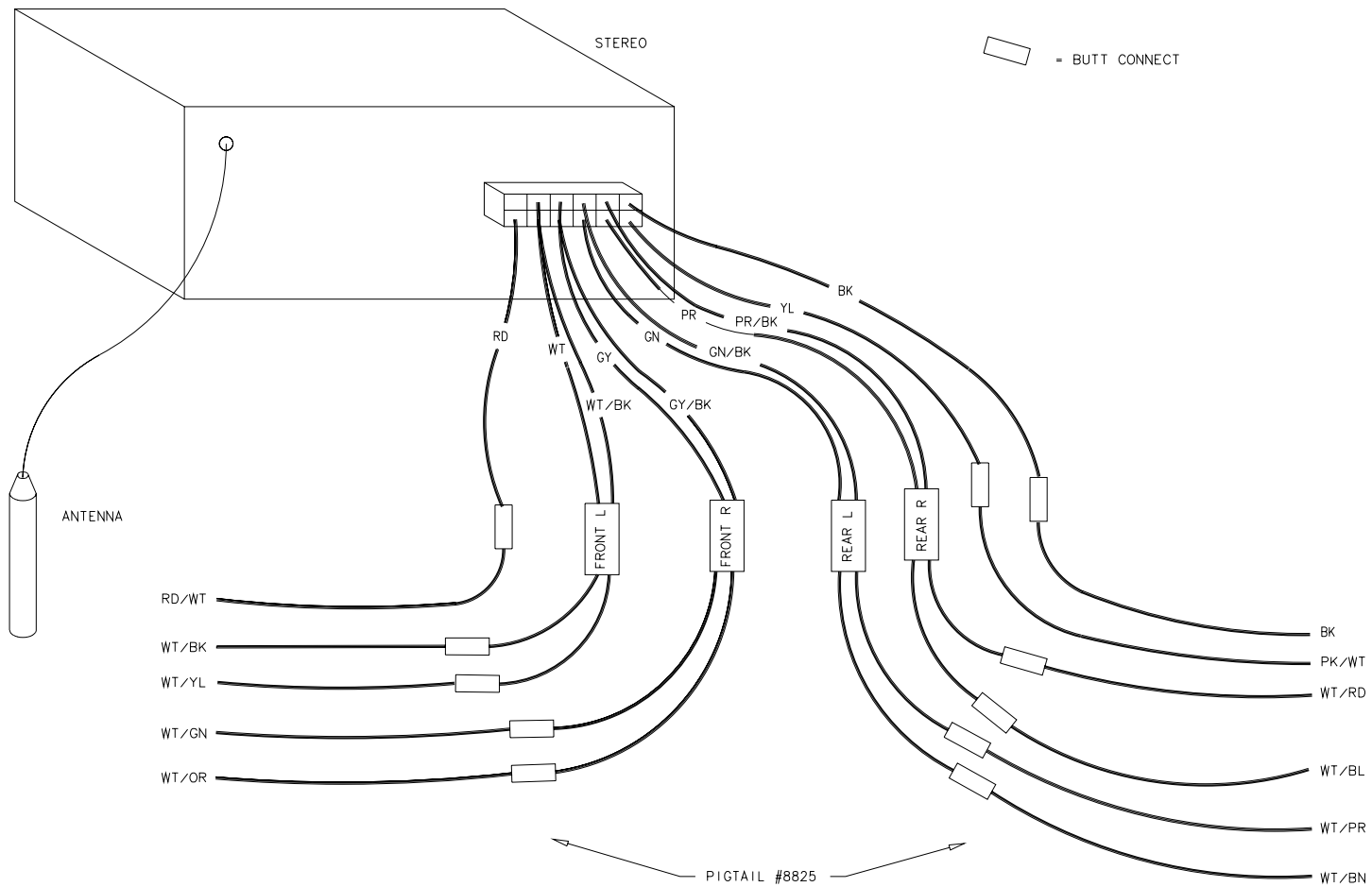
AC/DC PANEL
STEREO BREAKER 15A
(SEE 280-4)

RD/WT +12V DC



L-PAD

| | | |
|---------------|--|-------------------------|
| TITLE: STEREO | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS | | P.O. BOX 1003 |
| NO.: 280-260 | | DECATUR IN., 46733-5003 |
| DATE: 6-12-96 | | (260) 724-9111 |



| | | | |
|---------------|---------------|-------------------------|--|
| TITLE: STEREO | | THUNDERBIRD PRODUCTS | |
| | | P.O. BOX 1003 | |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 | |
| NO.: 280-261 | DATE: 6-12-95 | (260) 724-9111 | |

LEGEND

C-BREAKER
PANEL



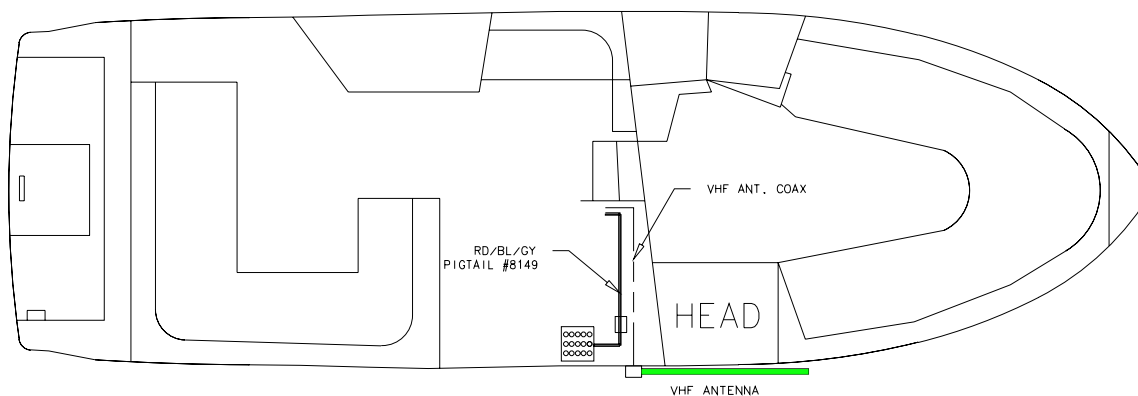
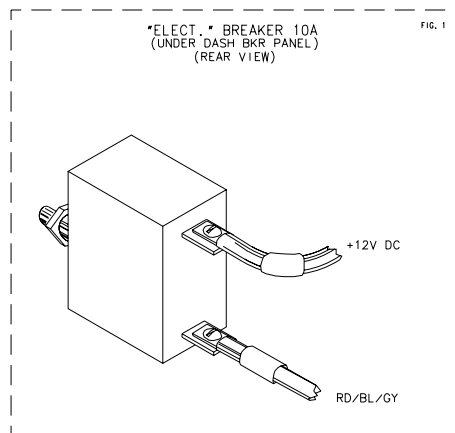
PLEX. DISTRIBUTION
BLOCK



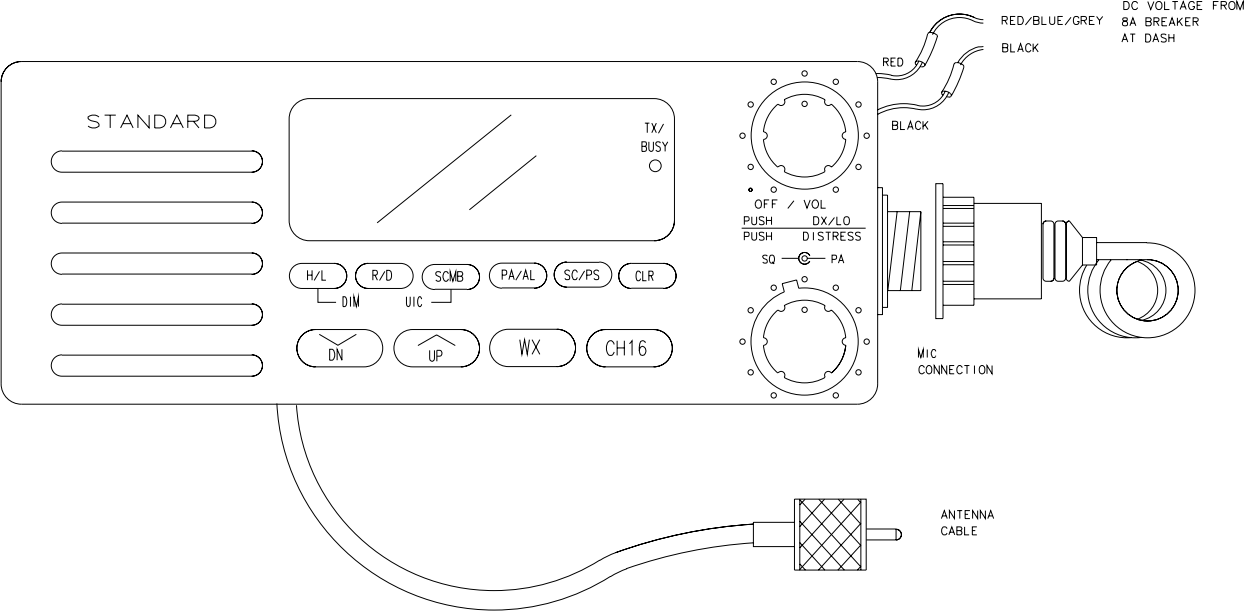
PLUG
INTERCONNECT



SPLICE
INTERCONNECT

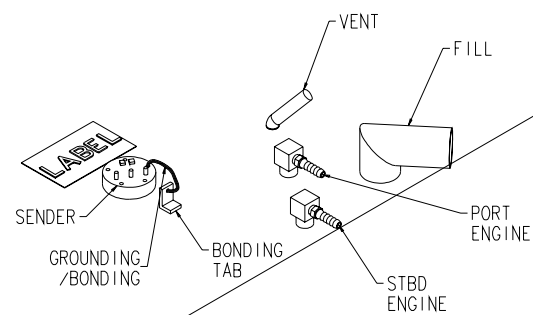
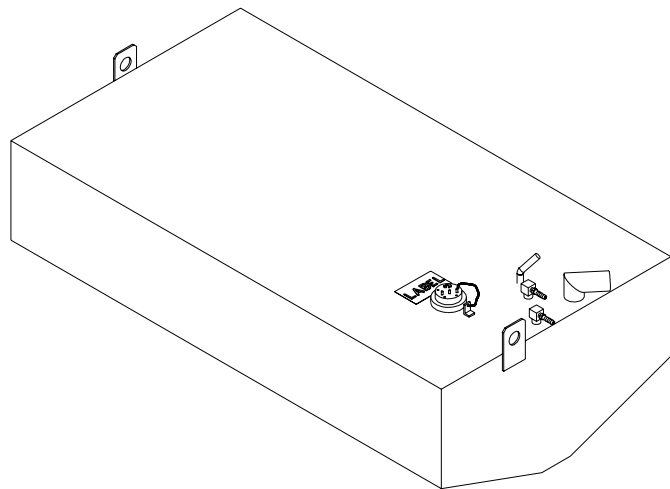


| | | |
|------------------|--------------|-------------------------|
| TITLE: VHF RADIO | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-270 | DATE: 6-5-95 | (260) 724-9111 |

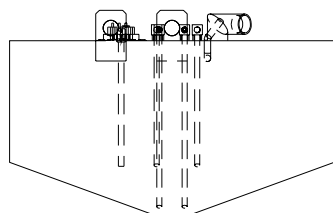


| | | |
|------------------|--------------|-------------------------|
| TITLE: VHF RADIO | | THUNDERBIRD PRODUCTS |
| | | P.O. BOX 1003 |
| MOD.: 280 SS | DR BY: RLH | DECATUR IN., 46733-5003 |
| NO.: 280-271 | DATE: 6-5-95 | (260) 724-9111 |

120 GAL. FUEL TANK



FUEL TANK PICKUP LINES



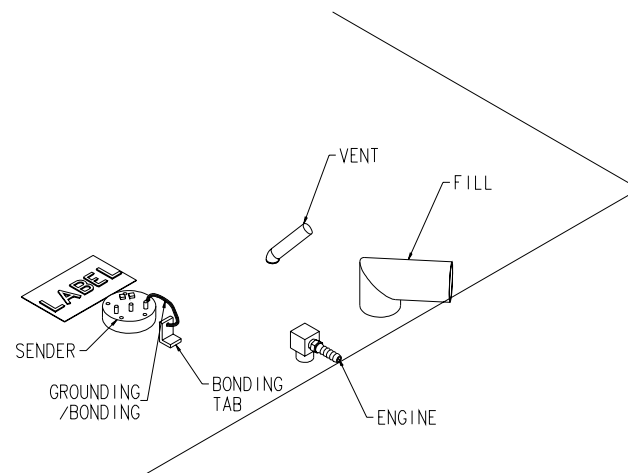
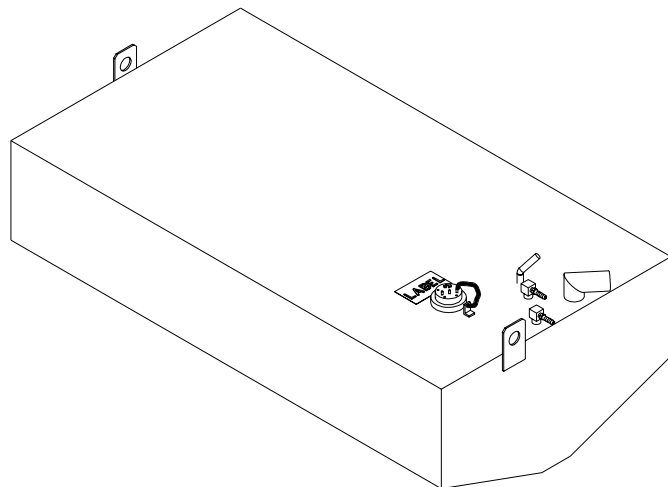
PORT
ENGINE

STBD
ENGINE

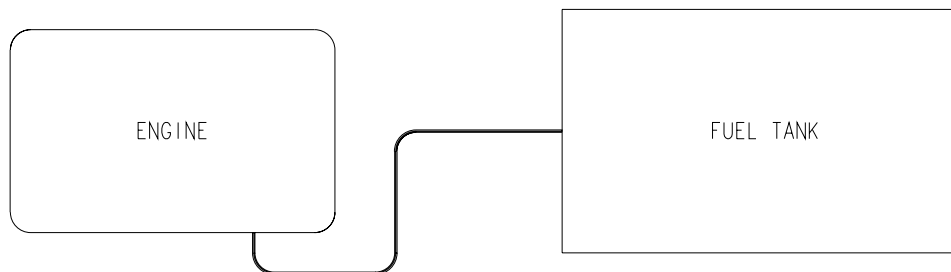
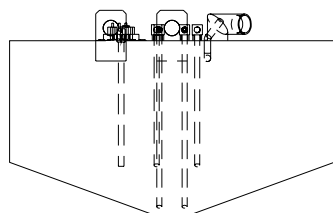
FUEL TANK

| | | | |
|----------------------------------|--------------|-------------------------|--|
| TITLE: FUEL SYSTEM (GASOLINE) | | THUNDERBIRD PRODUCTS | |
| MOD.: 280 SS TWIN | | P.O. BOX 1003 | |
| DR BY: RLH | | DECATUR IN., 46733-5003 | |
| NO.: 280-280 | DATE: 4-6-95 | (260) 724-9111 | |

120 GAL. FUEL TANK

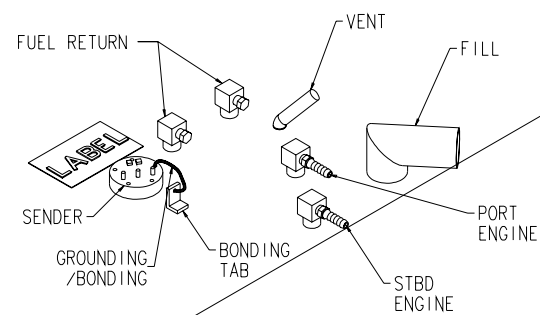
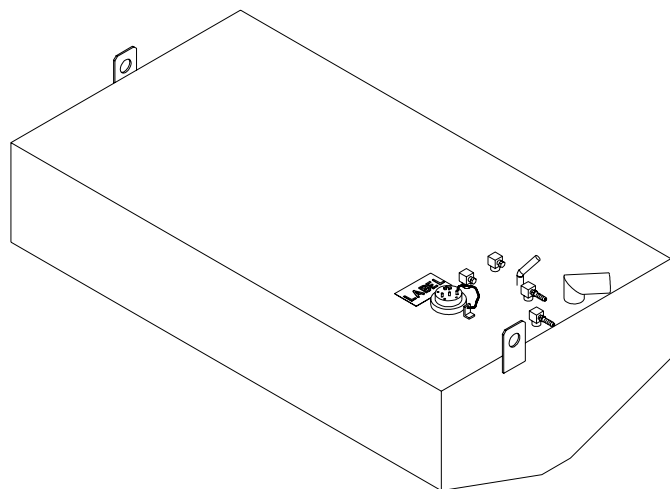


FUEL TANK PICKUP LINES

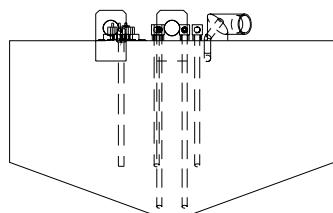


| | | |
|----------------------------------|--------------|---|
| TITLE: FUEL SYSTEM (GASOLINE) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS SGL DR BY: RLH | | P.O. BOX 1003 |
| NO.: 280-281 | DATE: 4-6-95 | DECATUR IN., 46733-5003 (260) 724-9111 |

120 GAL. FUEL TANK



FUEL TANK PICKUP LINES



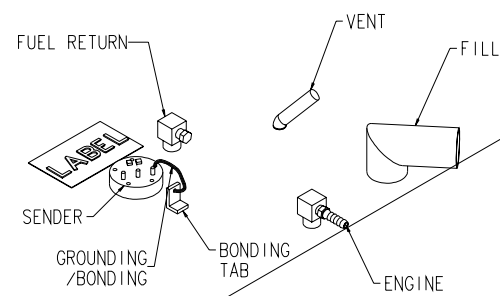
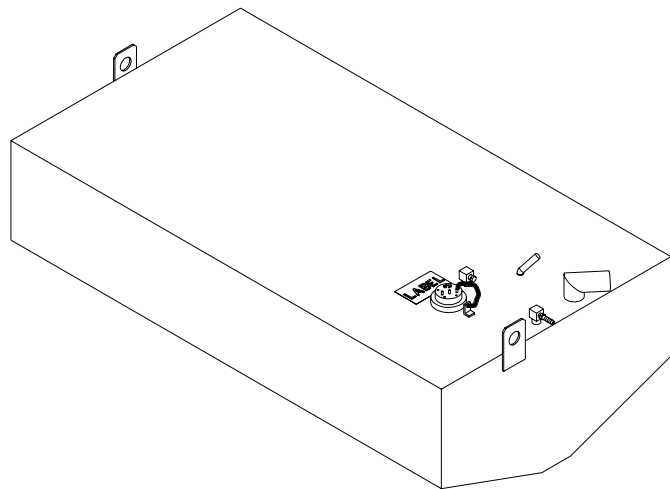
PORT
ENGINE

STBD
ENGINE

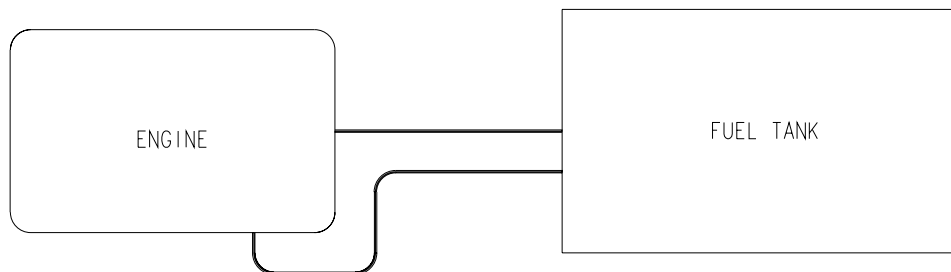
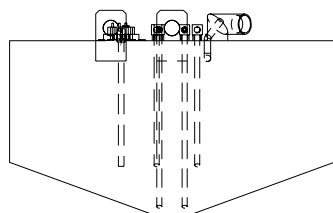
FUEL TANK

| | | | |
|--------------------------------|--------------|-------------------------|--|
| TITLE: FUEL SYSTEM (DIESEL) | | THUNDERBIRD PRODUCTS | |
| MOD.: 280 SS TWIN | | P.O. BOX 1003 | |
| DR BY: RLH | | DECATUR IN., 46733-5003 | |
| NO.: 280-282 | DATE: 4-6-95 | (260) 724-9111 | |

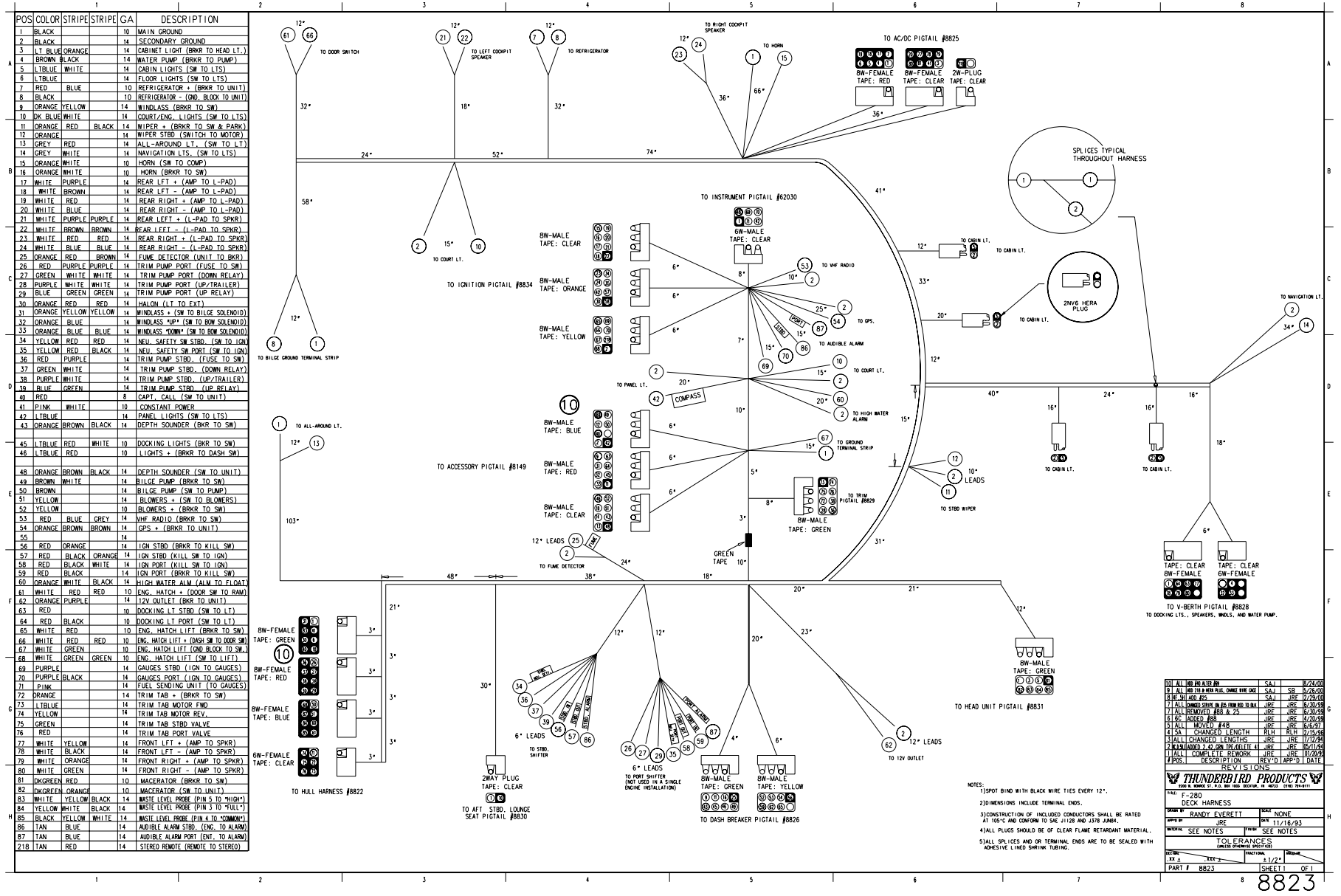
120 GAL. FUEL TANK



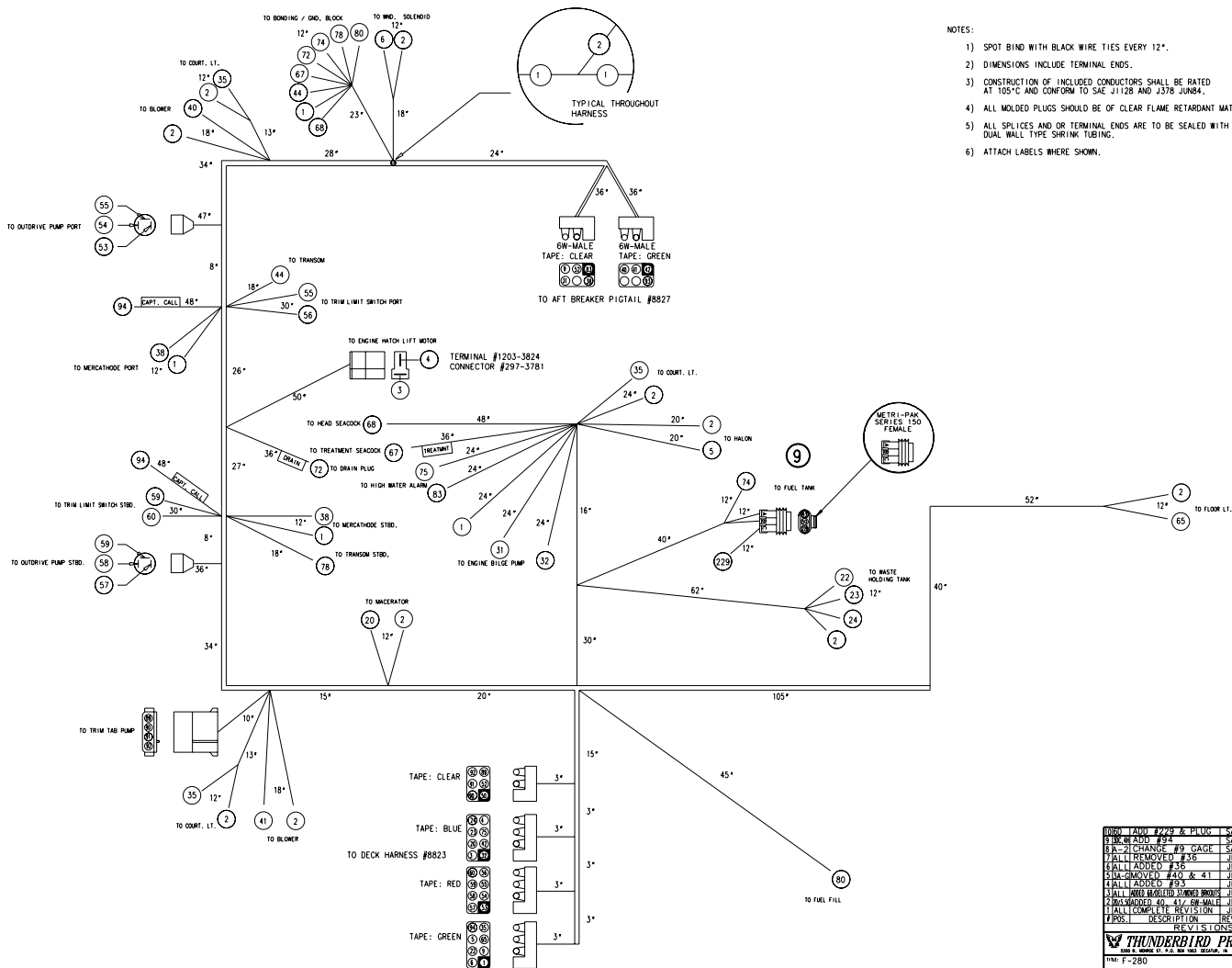
FUEL TANK PICKUP LINES



| | | |
|--------------------------------|--|-------------------------|
| TITLE: FUEL SYSTEM (DIESEL) | | THUNDERBIRD PRODUCTS |
| MOD.: 280 SS SGL DR BY: RLH | | P.O. BOX 1003 |
| NO.: 280-283 DATE: 4-6-95 | | DECATUR IN., 46733-5003 |
| | | (260) 724-9111 |



| POS | COLOR | STRIP | GA | DESCRIPTION |
|-----|---------|--------|--------|---------------------------------------|
| 1 | BLACK | | 10 | MAIN GROUND |
| 2 | BLACK | | 14 | SECONDARY GROUND |
| 3 | WHITE | GREEN | 10 | ENG. HATCH RAM (SW. TO RAM) |
| 4 | WHITE | RED | 10 | ENG. HATCH RAM (SW. TO RAM) |
| 5 | ORANGE | RED | 14 | HALON (LT. TO EXT.) |
| 6 | ORANGE | YELLOW | 14 | WINDLASS (ON/OFF) |
| 7 | YELLOW | WHITE | 14 | VENT BLOWER (SW. TO UNIT) |
| 9 | PINK | WHITE | 10 | CONSTANT PWR. (BRKR. TO UNIT) |
| 20 | DKGREEN | ORANGE | 14 | MACRATOR (SW. TO PUMP) |
| 22 | WHITE | YELLOW | BLACK | WASTE LEVEL PROBE (PIN 3 TO "HIGH") |
| 23 | YELLOW | WHITE | BLACK | WASTE LEVEL PROBE (PIN 3 TO "FULL") |
| 24 | BLACK | YELLOW | WHITE | WASTE LEVEL PROBE (PIN 4 TO "COMMON") |
| 31 | RED | BROWN | 14 | ENG. BILGE (BRKR. TO PUMP) |
| 32 | BROWN | | 14 | ENG. BILGE (SW. TO PUMP) |
| 35 | DKBLUE | WHITE | 14 | COURTESY LIGHTS (SW. TO LIGHT) |
| 36 | GREY | YELLOW | BLACK | WASTE LEVEL PROBE (1/3 FULL) |
| 38 | RED | | 10 | MERCATHODE |
| 40 | YELLOW | | 14 | BLOWER (BRKR. TO SW.) |
| 41 | YELLOW | | 14 | BLOWER (BRKR. TO SW.) |
| 42 | YELLOW | | 10 | BLOWERS (BRKR. TO BRKR.) |
| 44 | LTGREEN | | 8 | TRANSOM BONDING POINT |
| 50 | PINK | | 14 | FUEL SENDER (TANK TO GAUGE) |
| 52 | ORANGE | | 14 | TRIM TABS (BRKR. TO SW.) |
| 53 | RED | PURPLE | PURPLE | TRIM PUMP PORT (FUSE TO SW.) |
| 54 | GREEN | WHITE | WHITE | TRIM PUMP PORT (DOWN RELAY) |
| 55 | PURPLE | WHITE | WHITE | TRIM PUMP PORT (UP/TRAILER) |
| 56 | BLUE | GREEN | GREEN | TRIM PUMP PORT (UP RELAY) |
| 57 | RED | PURPLE | | TRIM PUMP STBD. (FUSE TO SW.) |
| 58 | GREEN | WHITE | | TRIM PUMP STBD. (DOWN RELAY) |
| 59 | PURPLE | WHITE | | TRIM PUMP STBD. (UP/TRAILER) |
| 60 | BLUE | GREEN | | TRIM PUMP STBD. (UP RELAY) |
| 65 | LT BLUE | | 14 | FLOOR LIGHTS (SW. TO LIGHTS) |
| 67 | LTGREEN | | 8 | TREATMENT SEACOCK BONDING |
| 68 | LTGREEN | | 8 | HEAD SEACOCK BONDING |
| 72 | LTGREEN | | 8 | DRAIN PLUG BONDING |
| 74 | LTGREEN | | 8 | FUEL TANK BONDING |
| 75 | ORANGE | WHITE | BLACK | HIGH WATER ALARM (SW. TO ALARM) |
| 78 | LTGREEN | | 8 | TRANSOM BONDING STBD. |
| 80 | LTGREEN | | 8 | FUEL FILL BONDING |
| 83 | ORANGE | WHITE | RED | HIGH WATER ALARM (BRKR. TO SW.) |
| 89 | LTBLUE | | 14 | TRIM TAB MOTOR FORWARD |
| 90 | YELLOW | | 14 | TRIM TAB MOTOR REVERSE |
| 91 | GREEN | | 14 | TRIM TAB STBD. VALVE |
| 92 | RED | | 14 | TRIM TAB STBD. VALVE |
| 93 | PURPLE | YELLOW | RED | FUEL SENDER (BRKR. TO UNIT) |
| 94 | RED | | 8 | CAPT. CALL (SW. TO UNIT) |
| 229 | BLACK | | 14 | FUEL SENDER (SW. TO STBD.) |



- NOTES:
- 1) SPOT BIND WITH BLACK WIRE 11ES EVERY 12".
 - 2) DIMENSIONS INCLUDE TERMINAL ENDS.
 - 3) CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 - 4) ALL MOLDED PLUGS SHOULD BE OF CLEAR FLAME RETARDANT MATERIAL.
 - 5) ALL SPLICES AND OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALL TYPE SHRINK TUBING.
 - 6) ATTACH LABELS WHERE SHOWN.

| REV | DATE | BY | APP'D | DESCRIPTION |
|-----|----------|-----|-------|-------------|
| 1 | 11/23/93 | JRE | | INITIALS |
| 2 | 11/23/93 | JRE | | REVISION |
| 3 | 11/23/93 | JRE | | REVISION |
| 4 | 11/23/93 | JRE | | REVISION |
| 5 | 11/23/93 | JRE | | REVISION |
| 6 | 11/23/93 | JRE | | REVISION |
| 7 | 11/23/93 | JRE | | REVISION |
| 8 | 11/23/93 | JRE | | REVISION |
| 9 | 11/23/93 | JRE | | REVISION |
| 10 | 11/23/93 | JRE | | REVISION |
| 11 | 11/23/93 | JRE | | REVISION |
| 12 | 11/23/93 | JRE | | REVISION |
| 13 | 11/23/93 | JRE | | REVISION |
| 14 | 11/23/93 | JRE | | REVISION |
| 15 | 11/23/93 | JRE | | REVISION |
| 16 | 11/23/93 | JRE | | REVISION |
| 17 | 11/23/93 | JRE | | REVISION |
| 18 | 11/23/93 | JRE | | REVISION |
| 19 | 11/23/93 | JRE | | REVISION |
| 20 | 11/23/93 | JRE | | REVISION |
| 21 | 11/23/93 | JRE | | REVISION |
| 22 | 11/23/93 | JRE | | REVISION |
| 23 | 11/23/93 | JRE | | REVISION |
| 24 | 11/23/93 | JRE | | REVISION |
| 25 | 11/23/93 | JRE | | REVISION |
| 26 | 11/23/93 | JRE | | REVISION |
| 27 | 11/23/93 | JRE | | REVISION |
| 28 | 11/23/93 | JRE | | REVISION |
| 29 | 11/23/93 | JRE | | REVISION |
| 30 | 11/23/93 | JRE | | REVISION |
| 31 | 11/23/93 | JRE | | REVISION |
| 32 | 11/23/93 | JRE | | REVISION |
| 33 | 11/23/93 | JRE | | REVISION |
| 34 | 11/23/93 | JRE | | REVISION |
| 35 | 11/23/93 | JRE | | REVISION |
| 36 | 11/23/93 | JRE | | REVISION |
| 37 | 11/23/93 | JRE | | REVISION |
| 38 | 11/23/93 | JRE | | REVISION |
| 39 | 11/23/93 | JRE | | REVISION |
| 40 | 11/23/93 | JRE | | REVISION |
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| 49 | 11/23/93 | JRE | | REVISION |
| 50 | 11/23/93 | JRE | | REVISION |
| 51 | 11/23/93 | JRE | | REVISION |
| 52 | 11/23/93 | JRE | | REVISION |
| 53 | 11/23/93 | JRE | | REVISION |
| 54 | 11/23/93 | JRE | | REVISION |
| 55 | 11/23/93 | JRE | | REVISION |
| 56 | 11/23/93 | JRE | | REVISION |
| 57 | 11/23/93 | JRE | | REVISION |
| 58 | 11/23/93 | JRE | | REVISION |
| 59 | 11/23/93 | JRE | | REVISION |
| 60 | 11/23/93 | JRE | | REVISION |
| 61 | 11/23/93 | JRE | | REVISION |
| 62 | 11/23/93 | JRE | | REVISION |
| 63 | 11/23/93 | JRE | | REVISION |
| 64 | 11/23/93 | JRE | | REVISION |
| 65 | 11/23/93 | JRE | | REVISION |
| 66 | 11/23/93 | JRE | | REVISION |
| 67 | 11/23/93 | JRE | | REVISION |
| 68 | 11/23/93 | JRE | | REVISION |
| 69 | 11/23/93 | JRE | | REVISION |
| 70 | 11/23/93 | JRE | | REVISION |
| 71 | 11/23/93 | JRE | | REVISION |
| 72 | 11/23/93 | JRE | | REVISION |
| 73 | 11/23/93 | JRE | | REVISION |
| 74 | 11/23/93 | JRE | | REVISION |
| 75 | 11/23/93 | JRE | | REVISION |
| 76 | 11/23/93 | JRE | | REVISION |
| 77 | 11/23/93 | JRE | | REVISION |
| 78 | 11/23/93 | JRE | | REVISION |
| 79 | 11/23/93 | JRE | | REVISION |
| 80 | 11/23/93 | JRE | | REVISION |
| 81 | 11/23/93 | JRE | | REVISION |
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| 88 | 11/23/93 | JRE | | REVISION |
| 89 | 11/23/93 | JRE | | REVISION |
| 90 | 11/23/93 | JRE | | REVISION |
| 91 | 11/23/93 | JRE | | REVISION |
| 92 | 11/23/93 | JRE | | REVISION |
| 93 | 11/23/93 | JRE | | REVISION |
| 94 | 11/23/93 | JRE | | REVISION |
| 95 | 11/23/93 | JRE | | REVISION |
| 96 | 11/23/93 | JRE | | REVISION |
| 97 | 11/23/93 | JRE | | REVISION |
| 98 | 11/23/93 | JRE | | REVISION |
| 99 | 11/23/93 | JRE | | REVISION |
| 100 | 11/23/93 | JRE | | REVISION |

THUNDERBIRD PRODUCTS
 1000 S. HARRIS ST. SUITE 100, DENVER, CO 80222 (303) 733-1111

TYPE: F-280

HULL HARNESS

DESIGNED BY: RANDY EVERETT DATE: NONE

APPROVED BY: JRE DATE: 11/23/93

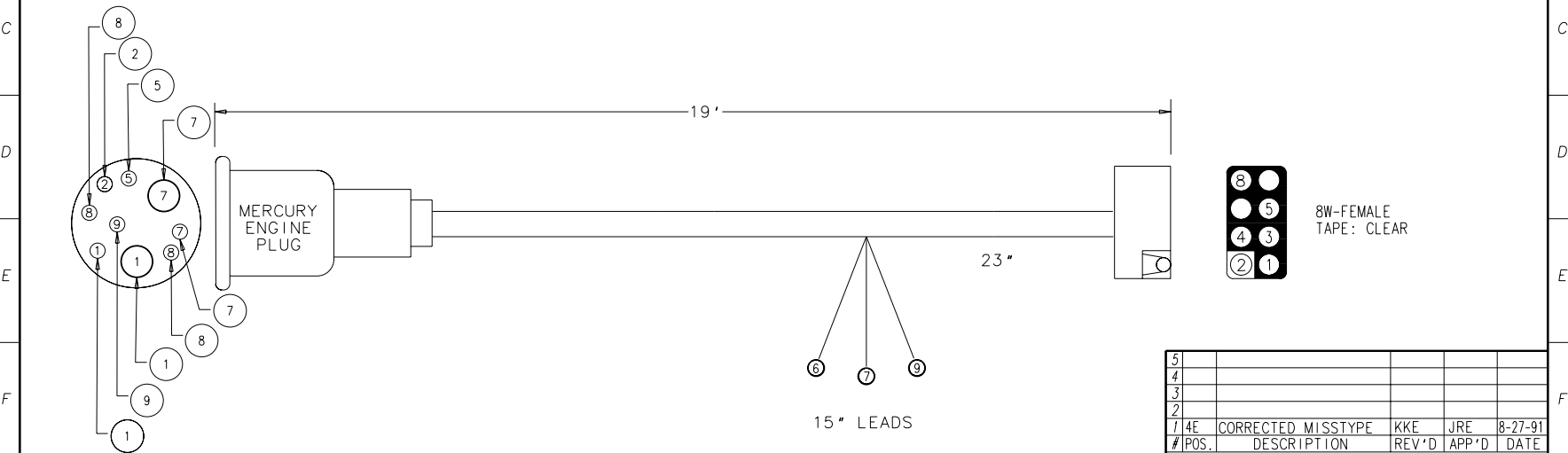
REVISIONS: SEE NOTES

TOLERANCES: UNLESS OTHERWISE SPECIFIED

SCALE: 1:1

PART # 8822 SHEET 1 OF 1

| | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 |
|---|-----|----------|--------|--------|----|---|---|--|---|--|---|--|---|--|---|
| | POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION | | | | | | | | | |
| A | 1 | TAN | | | 14 | TEMPERATURE GAUGE (SENDER TO INSTRUMENT) | | | | | | | | | |
| | 2 | BLACK | | | 10 | GROUND | | | | | | | | | |
| | 3 | LT. BLUE | | | 14 | OIL PRESSURE (SENDER TO INSTRUMENT) | | | | | | | | | |
| | 4 | LT. GREY | | | 14 | TACHOMETER (MAGNETIC IMPULSE SNDR TO TACH.) | | | | | | | | | |
| | 5 | PURPLE | | | 14 | POSITIVE TO IGN. COIL | | | | | | | | | |
| | 6 | YELLOW | RED | | 14 | NEUTRAL SAFETY SWITCH | | | | | | | | | |
| | 7 | RED | | | 10 | POSITIVE | | | | | | | | | |
| | 8 | PURPLE | WHITE | | 14 | TRIM GAUGE SENDER | | | | | | | | | |
| B | 9 | TAN | BLUE | | 14 | ENGINE TEMP. ALM. SENDER | | | | | | | | | |

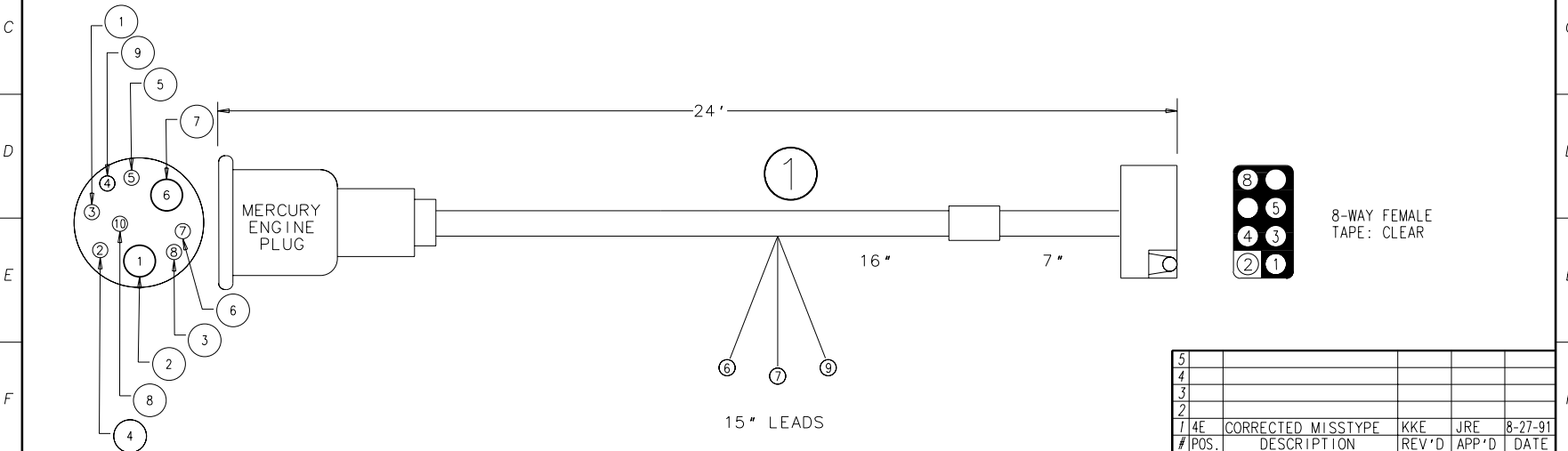


NOTES:

1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
2. DIMENSIONS INCLUDE TERMINAL ENDS.
3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
6. ATTACH LABELS AS SHOWN.

| | | | | | |
|--|------|--------------------|------------------|--------------|---------|
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | 4E | CORRECTED MISSTYPE | KKE | JRE | 8-27-91 |
| # | POS. | DESCRIPTION | REV'D | APP'D | DATE |
| REVISIONS | | | | | |
| THUNDERBIRD PRODUCTS | | | | | |
| 2200 W. MONROE ST., P.O. BOX 3001 DECATUR, IN 46733 (219) 724-9111 | | | | | |
| TITLE: SPECIAL 19' 0" MERCURY ENGINE EXTENSION HARNESS | | | | | |
| DRAWN BY RANDY EVERETT | | | SCALE NONE | | |
| APP'D BY | | | DATE 2/10/94 | | |
| MATERIAL SEE NOTES | | | FINISH SEE NOTES | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL .XX ± .XXX ± | | FRACTIONAL ± | | ANGULAR ± | |
| PART # 8943 | | | SHEET 1 OF 1 | | |

| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION |
|-----|----------|--------|--------|----|---|
| 1 | TAN | | | 14 | TEMPERATURE GAUGE (SENDER TO INSTRUMENT) |
| 2 | BLACK | | | 10 | GROUND |
| 3 | LT. BLUE | | | 14 | OIL PRESSURE (SENDER TO INSTRUMENT) |
| 4 | LT. GREY | | | 14 | TACHOMETER (MAGNETIC IMPULSE SNDR TO TACH.) |
| 5 | PURPLE | | | 14 | POSITIVE TO IGN. COIL |
| 6 | YELLOW | RED | | 14 | NEUTRAL SAFETY SWITCH |
| 7 | RED | | | 10 | POSITIVE |
| 8 | PURPLE | WHITE | | 14 | TRIM GAUGE SENDER |
| 9 | TAN | BLUE | | 14 | ENGINE TEMP. ALM. SENDER |



- NOTES:
1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 2. DIMENSIONS INCLUDE TERMINAL ENDS.
 3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
 5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
 6. ATTACH LABELS AS SHOWN.

| | | | | | |
|---|------|--------------------|-------------------|------------|---------|
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | 4E | CORRECTED MISSTYPE | KKE | JRE | 8-27-91 |
| # | POS. | DESCRIPTION | REV'D | APP'D | DATE |
| REVISIONS | | | | | |
| THUNDERBIRD PRODUCTS | | | | | |
| TITLE: 336 SPECIAL MERCURY ENGINE HARN (24' 0") | | | | | |
| DRAWN BY: KANDICE K. RIPLEY | | | SCALE: NONE | | |
| APP'D BY: | | | DATE: 03-11-00 | | |
| MATERIAL: SEE NOTES | | | FINISH: SEE NOTES | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL: .XX ± .XXX ± | | FRACTIONAL: ± | | ANGULAR: ± | |
| PART # 6158 | | | SHEET 1 OF 1 | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|-----|---------|--------|--------|----|----------------------------------|---|---|
| | POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION | | |
| A | 1 | LTBLUE | RED | | 10 | LTS + (BKR TO DASH SW) | | |
| | 2 | DKBLUE | WHITE | | 14 | COURT/ENG LT (SW TO LTS) | | |
| | 3 | GREY | WHITE | | 14 | NAVIGATION LT (SW TO LT) | | |
| | 4 | GREY | RED | | 14 | ALL AROUND LT (SW TO LT) | | |
| B | 5 | RED | | | 10 | DOCKING LT STBD (SW TO LT) | | |
| | 6 | RED | BLACK | | 10 | DOCKING LT PORT (SW TO LT) | | |
| | 7 | ORANGE | YELLOW | | 14 | WNDLS (BKR TO SW) | | |
| | 8 | ORANGE | YELLOW | YELLOW | 14 | WNDLS (SW TO BILGE SOL) | | |
| C | 9 | ORANGE | BLUE | | 14 | WNDLS (SW TO UP SOL) | | |
| | 10 | ORANGE | BLUE | BLUE | 14 | WNDLS (SW TO DOWN SOL) | | |
| | 11 | ORANGE | BROWN | | 14 | DEPTH SOUNDER (SW TO UNIT) | | |
| | 12 | ORANGE | BROWN | BLACK | 14 | DEPTH SOUNDER (BKR TO SW) | | |
| D | 13 | ORANGE | RED | BLACK | 14 | WIPER (BKR TO SW) | | |
| | 14 | ORANGE | | | 14 | WIPER (SW TO MOTOR) | | |
| | 15 | DK.BLUE | | | 14 | ARCH LT (SW TO LT) | | |
| | 16 | BROWN | WHITE | | 14 | BILGE PUMP (BKR TO SW) | | |
| E | 17 | BROWN | | | 14 | BILGE PUMP (SW TO PUMP) | | |
| | 18 | YELLOW | | | 10 | BLOWERS (BKR TO SW) | | |
| | 19 | YELLOW | | | 10 | BLOWERS (SW TO AFT BKRS) | | |
| | 20 | LTBLUE | RED | WHITE | 10 | DOCKING LTS (BKR TO SW) | | |
| F | 21 | BLACK | | | 14 | SECONDARY GROUND | | |
| | 22 | LTBLUE | | | 14 | PANEL LTS (SW TO LTS) | | |
| | 23 | PURPLE | | | 14 | GAUGES STBD (IGNITION TO GAUGES) | | |
| | 24 | RED | | | 8 | CAPT. CALL (SW TO UNIT) | | |

NOTES:

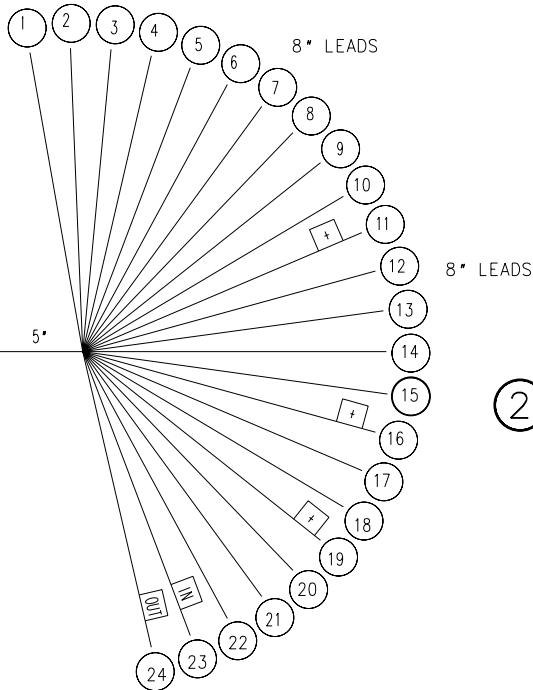
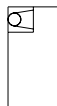
- SPOT BIND WITH BLACK WIRE TIE AT BREAKOUT
- DIMENSIONS INCLUDE TERMINAL ENDS
- CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED A 105**127C AND CONFORM TO SAE J1128 AND J378 JUN84
- ALL PLUGS SHALL BE OF CLEAR FLAME RETARDANT MATERIAL
- ALL SPLICES AND OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED HEAT SHRINK TUBING
- ATTACH LABELS WHERE SHOWN

8W-FEMALE
TAPE: BLUE

2

8W-FEMALE
TAPE: RED

8W-FEMALE
TAPE: CLEAR



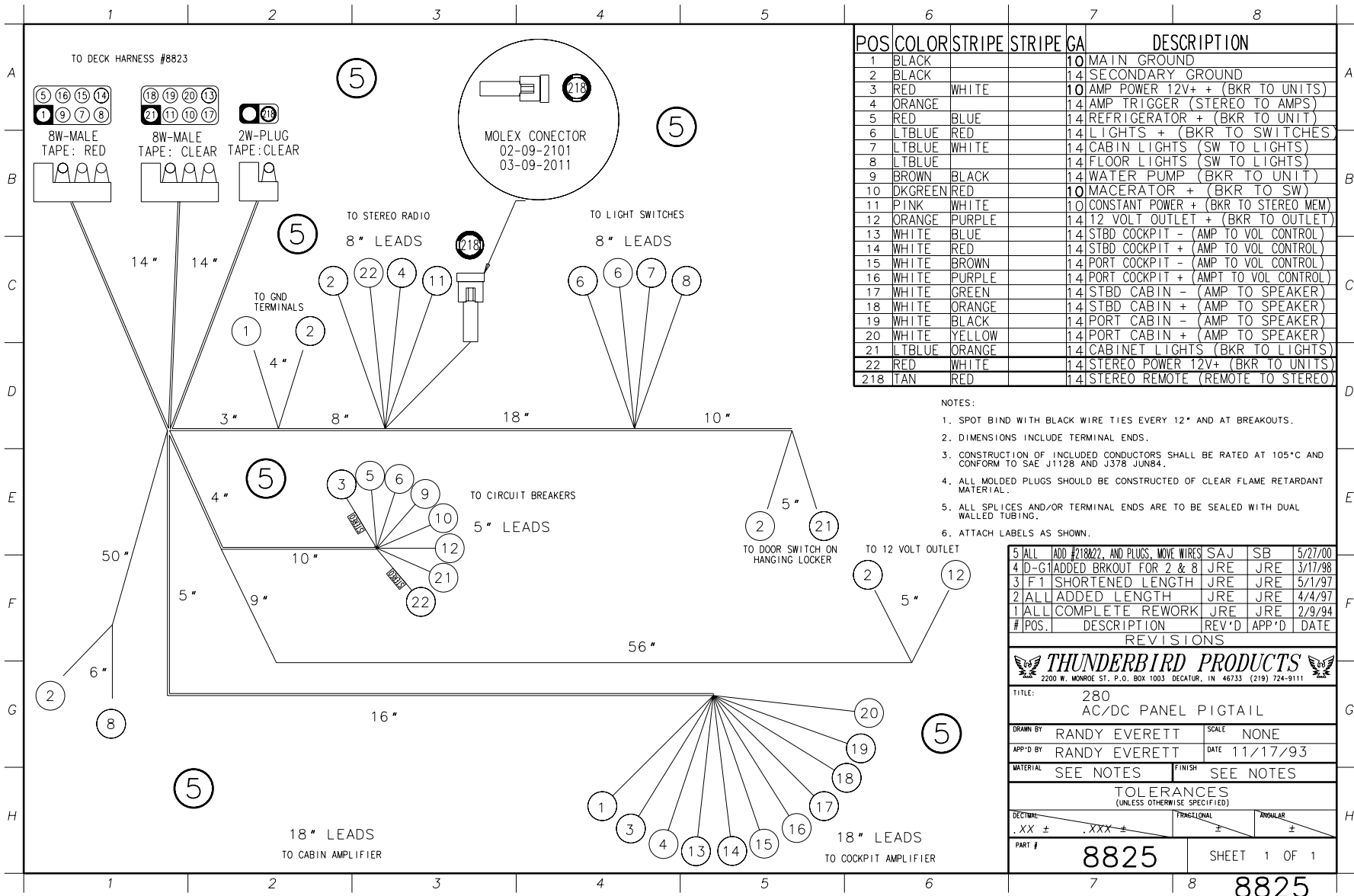
| | | | | | |
|--------|-------------|-------------|-------|-------|---------|
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | 4A/8C | ADD #15 | SAJ | JCR | 10/6/00 |
| 1 | 4B/6E | ADD 23 & 24 | SAJ | SAJ | 8/24/00 |
| # POS. | DESCRIPTION | | REV'D | APP'D | DATE |

REVISIONS



| | | | | | |
|--|--|--|------------------|--|--|
| TITLE: F-27PC ACCESSORY PANEL PIGTAIL | | | | | |
| DRAWN BY RANDY EVERETT | | | SCALE NONE | | |
| APP'D BY RANDY EVERETT | | | DATE 3/15/00 | | |
| MATERIAL SEE NOTES | | | FINISH SEE NOTES | | |

| | | | | | |
|--|--------|---------------------|---------|--------------|--|
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL .XX ± | .XXX ± | FRACTIONAL ±1/2" | ANGULAR | | |
| PART # 8149 | | | | SHEET 1 OF 1 | |



| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION |
|-----|---------|--------|--------|----|--------------------------------------|
| 1 | BLACK | | | 10 | MAIN GROUND |
| 2 | BLACK | | | 14 | SECONDARY GROUND |
| 3 | RED | WHITE | | 10 | AMP POWER 12V+ + (BKR TO UNITS) |
| 4 | ORANGE | | | 14 | AMP TRIGGER (STEREO TO AMPS) |
| 5 | RED | BLUE | | 14 | REFRIGERATOR + (BKR TO UNIT) |
| 6 | LTBLUE | RED | | 14 | LIGHTS + (BKR TO SWITCHES) |
| 7 | LTBLUE | WHITE | | 14 | CABIN LIGHTS (SW TO LIGHTS) |
| 8 | LTBLUE | | | 14 | FLOOR LIGHTS (SW TO LIGHTS) |
| 9 | BROWN | BLACK | | 14 | WATER PUMP (BKR TO UNIT) |
| 10 | DKGREEN | RED | | 10 | MACERATOR + (BKR TO SW) |
| 11 | PINK | WHITE | | 10 | CONSTANT POWER + (BKR TO STEREO MEM) |
| 12 | ORANGE | PURPLE | | 14 | 12 VOLT OUTLET + (BKR TO OUTLET) |
| 13 | WHITE | BLUE | | 14 | STBD COCKPIT - (AMP TO VOL CONTROL) |
| 14 | WHITE | RED | | 14 | STBD COCKPIT + (AMP TO VOL CONTROL) |
| 15 | WHITE | BROWN | | 14 | PORT COCKPIT - (AMP TO VOL CONTROL) |
| 16 | WHITE | PURPLE | | 14 | PORT COCKPIT + (AMP TO VOL CONTROL) |
| 17 | WHITE | GREEN | | 14 | STBD CABIN - (AMP TO SPEAKER) |
| 18 | WHITE | ORANGE | | 14 | STBD CABIN + (AMP TO SPEAKER) |
| 19 | WHITE | BLACK | | 14 | PORT CABIN - (AMP TO SPEAKER) |
| 20 | WHITE | YELLOW | | 14 | PORT CABIN + (AMP TO SPEAKER) |
| 21 | LTBLUE | ORANGE | | 14 | CABINET LIGHTS (BKR TO LIGHTS) |
| 22 | RED | WHITE | | 14 | STEREO POWER 12V+ (BKR TO UNITS) |
| 218 | TAN | RED | | 14 | STEREO REMOTE (REMOTE TO STEREO) |

- NOTES:
- SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 - DIMENSIONS INCLUDE TERMINAL ENDS.
 - CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 - ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
 - ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
 - ATTACH LABELS AS SHOWN.

| | | | | | |
|---|------|------------------------------------|-------|-------|---------|
| 5 | ALL | ADD #218&22, AND PLUGS, MOVE WIRES | SAJ | SB | 5/27/00 |
| 4 | D-G1 | ADDED BRKOUT FOR 2 & 8 | JRE | JRE | 3/17/98 |
| 3 | F1 | SHORTENED LENGTH | JRE | JRE | 5/1/97 |
| 2 | ALL | ADDED LENGTH | JRE | JRE | 4/4/97 |
| 1 | ALL | COMPLETE REWORK | JRE | JRE | 2/9/94 |
| # | POS. | DESCRIPTION | REV'D | APP'D | DATE |

THUNDERBIRD PRODUCTS

2200 W. MONROE ST. P.O. BOX 1003 DECATUR, IN 46733 (219) 724-9111

TITLE: 280 AC/DC PANEL PIGTAIL

DRAWN BY RANDY EVERETT SCALE NONE

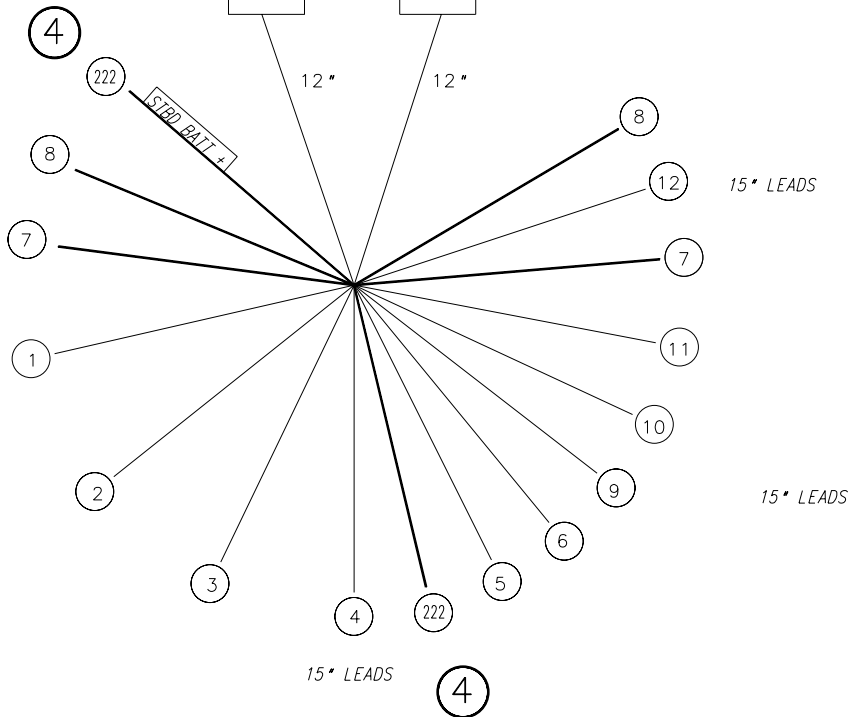
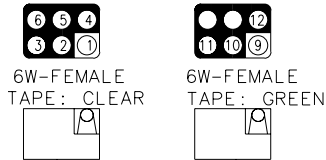
APP'D BY RANDY EVERETT DATE 11/17/93

MATERIAL SEE NOTES FINISH SEE NOTES

TOLERANCES (UNLESS OTHERWISE SPECIFIED)

DECIMAL .XX ± .XXX ± FRACTIONAL ± ANGULAR ±

PART # 8825 SHEET 1 OF 1



| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION |
|-----|--------|--------|--------|----|---|
| 1 | ORANGE | WHITE | RED | 14 | HIGH WATER ALARM (BRKR TO SW) |
| 2 | ORANGE | | | 14 | TRIM TABS (BRKR TO SW) |
| 3 | PINK | WHITE | | 14 | CONSTANT POWER (BRKR TO UNITS) |
| 4 | RED | | | 10 | MERCATHODE (BRKR TO UNIT) |
| 5 | RED | YELLOW | | 14 | CABIN BILGE PUMP (BRKR TO PUMP) |
| 6 | RED | BROWN | | 14 | ENG. BILGE (BRKR TO PUMP) |
| 7 | RED | | | 8 | 12V + (BLOCK TO BRKRS) |
| 8 | PINK | RED | | 8 | CONSTANT PWR. FEED (SW TO BRKRS) |
| 9 | YELLOW | | | 10 | BLOWER (BRKR TO BRKR FEED) |
| 10 | YELLOW | | | 14 | BLOWER (BRKR TO BLOWER) |
| 11 | YELLOW | | | 14 | BLOWER (BRKR TO BLOWER) |
| 12 | PURPLE | RED | YELLOW | 14 | FUEL SENDER (BKR TO SNDR) |
| 222 | PINK | RED | RED | 10 | HIGH WATER CNST PWR(STBD BATT SW TO BRKR) |

- NOTES:
- 1) BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 - 2) DIMENSIONS INCLUDE TERMINAL ENDS.
 - 3) CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT NO LESS THAN 105*127C AND CONFORM TO SAE J1128 AND J378 JUN84.
 - 4) ALL MOLDED PLUGS SHOULD BE OF CLEAR FLAME RETARDANT MATERIAL.
 - 5) ALL SPLICES AND OR TERMINAL ENDS ARE TO BE SEALED WITH BLACK DUAL WALL TYPE SHRINK TUBING.
 - 6) ATTACH LABELS AS SHOWN.

| | | | | | |
|--------|-------------|-------------------------|-------|------|---------|
| 5 | | | | | |
| 4 | C2, GA | ADDED #222 | SAJ | SB | 9/13/00 |
| 3 | ALL | ADDED #12 | JRE | JRE | 3/18/97 |
| 2 | 4B, E | ADDED 9,10,11/6W FEMALE | JRE | JRE | 5/11/94 |
| 1 | ALL | #5 CHANGED COLOR | JRE | JRE | 2/9/94 |
| # POS. | DESCRIPTION | REV'D | APP'D | DATE | |

REVISIONS

THUNDERBIRD PRODUCTS
2200 W. MONROE ST. P.O. BOX 501 DECATUR, IN 46733 (219) 724-9111

TITLE: F-280 SS/BR
AFT BREAKER PANEL

DRAWN BY RANDY EVERETT SCALE NONE

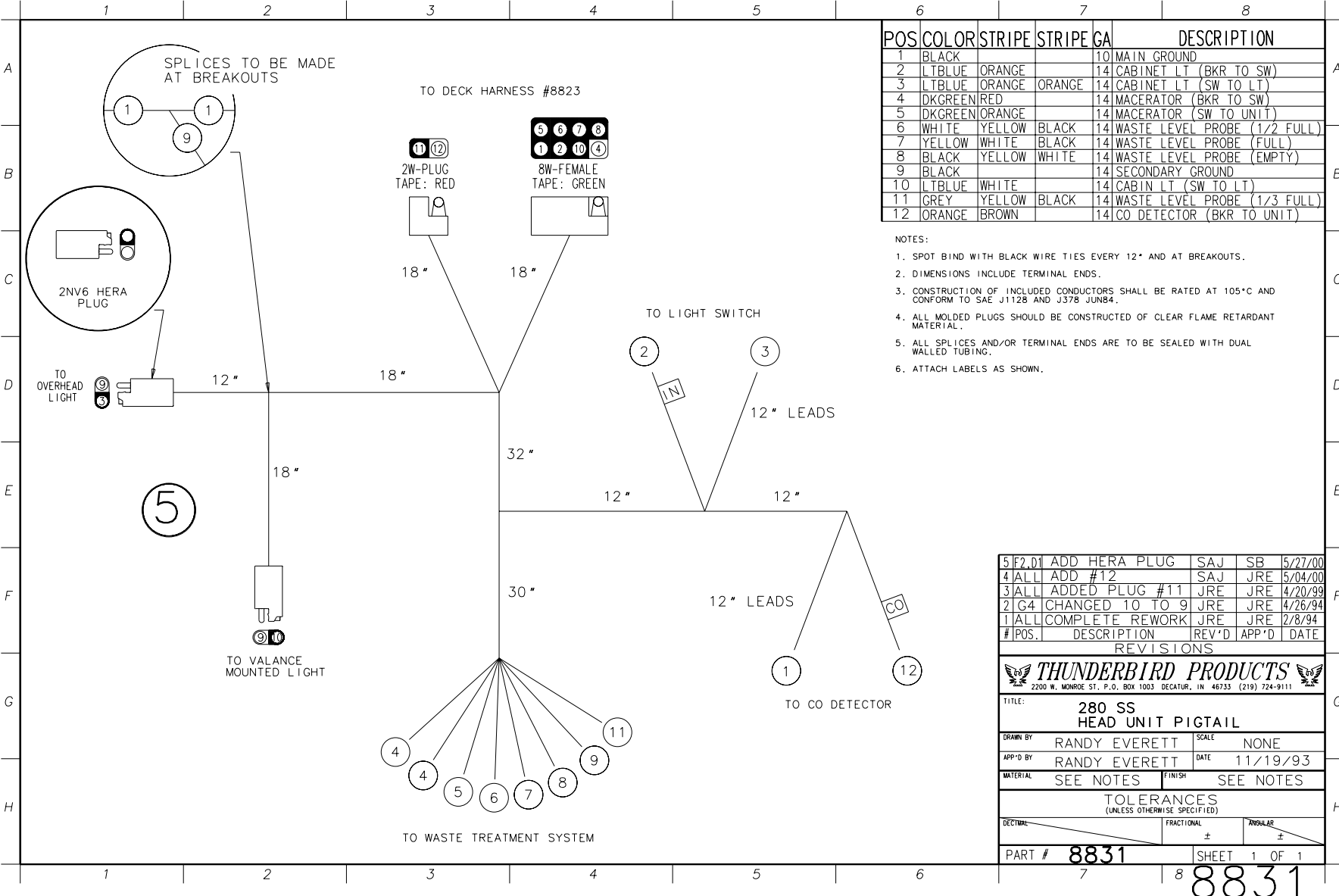
APP'D BY RANDY EVERETT DATE 11/29/93

MATERIAL SEE NOTES FINISH SEE NOTES

TOLERANCES
(UNLESS OTHERWISE SPECIFIED)

DECIMAL .XX ± .XXX ± FRACTIONAL ± 1/2" ANGULAR



PART # 8827 SHEET 1 OF 1



| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION |
|-----|---------|--------|--------|----|------------------------------|
| 1 | BLACK | | | 10 | MAIN GROUND |
| 2 | LTBLUE | ORANGE | | 14 | CABINET LT (BKR TO SW) |
| 3 | LTBLUE | ORANGE | ORANGE | 14 | CABINET LT (SW TO LT) |
| 4 | DKGREEN | RED | | 14 | MACERATOR (BKR TO SW) |
| 5 | DKGREEN | ORANGE | | 14 | MACERATOR (SW TO UNIT) |
| 6 | WHITE | YELLOW | BLACK | 14 | WASTE LEVEL PROBE (1/2 FULL) |
| 7 | YELLOW | WHITE | BLACK | 14 | WASTE LEVEL PROBE (FULL) |
| 8 | BLACK | YELLOW | WHITE | 14 | WASTE LEVEL PROBE (EMPTY) |
| 9 | BLACK | | | 14 | SECONDARY GROUND |
| 10 | LTBLUE | WHITE | | 14 | CABIN LT (SW TO LT) |
| 11 | GREY | YELLOW | BLACK | 14 | WASTE LEVEL PROBE (1/3 FULL) |
| 12 | ORANGE | BROWN | | 14 | CO DETECTOR (BKR TO UNIT) |

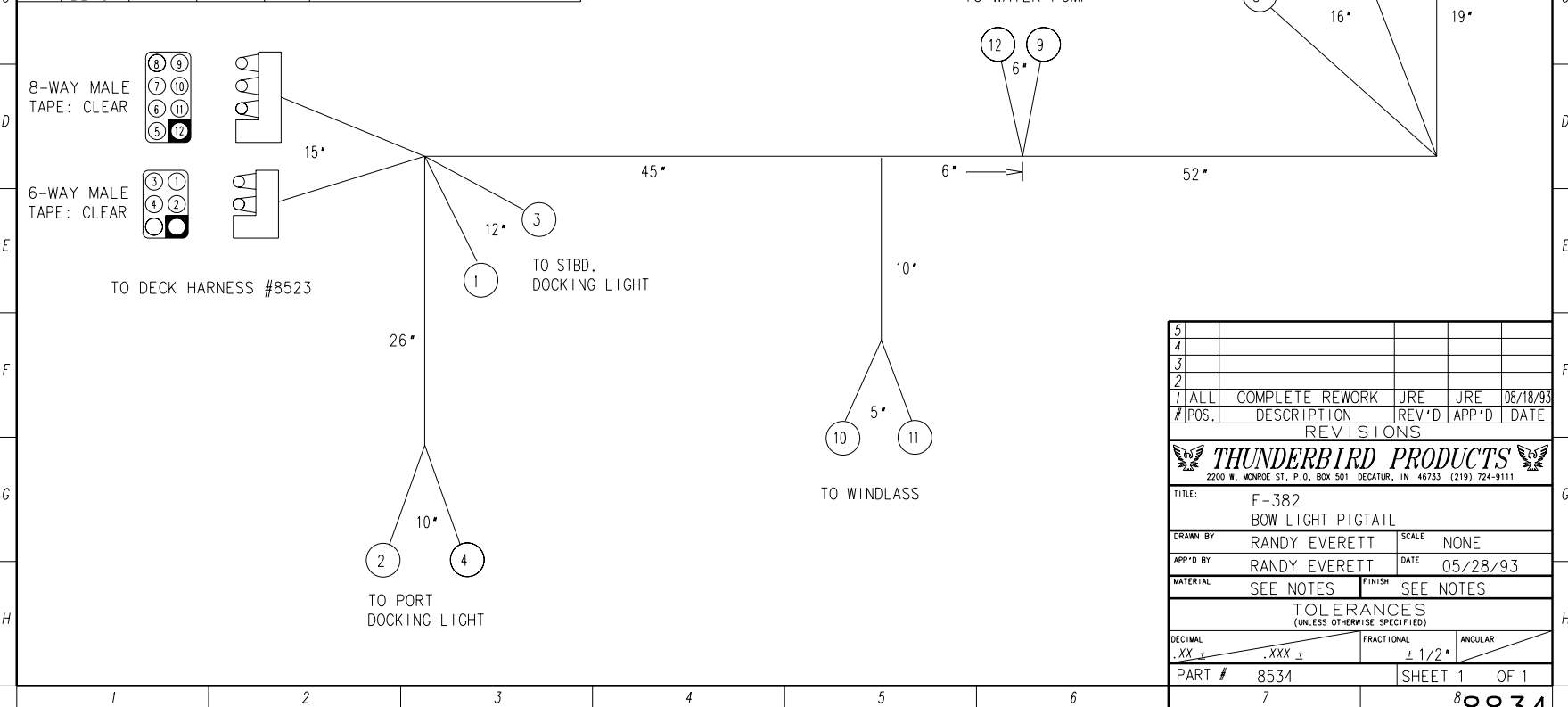
- NOTES:
- SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 - DIMENSIONS INCLUDE TERMINAL ENDS.
 - CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 - ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
 - ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
 - ATTACH LABELS AS SHOWN.

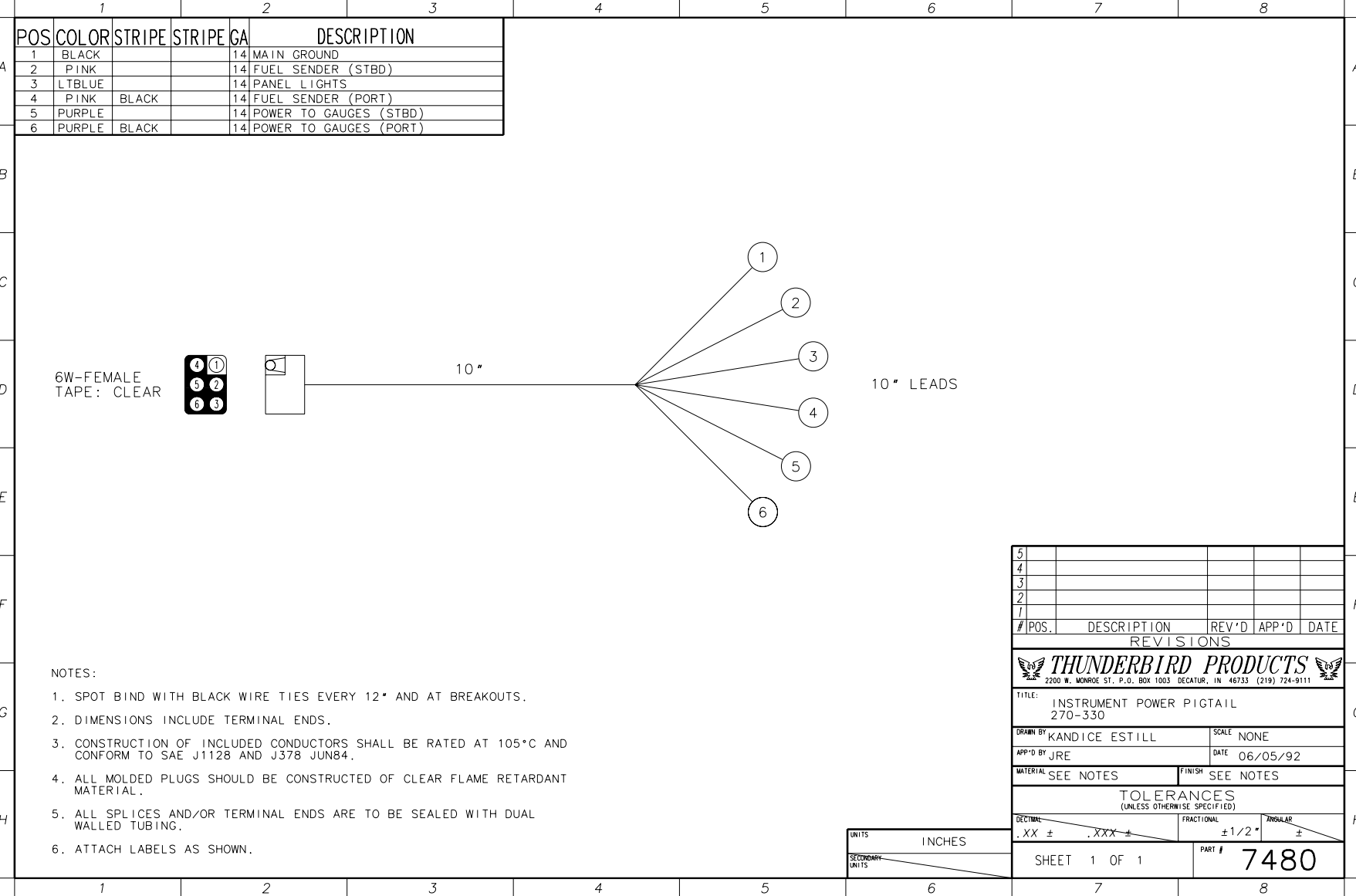
| | | | | | |
|--------|-------------|-----------------|-------|------|---------|
| 5 | F2.01 | ADD HERA PLUG | SAJ | SB | 5/27/00 |
| 4 | ALL | ADD #12 | SAJ | JRE | 5/04/00 |
| 3 | ALL | ADDED PLUG #11 | JRE | JRE | 4/20/99 |
| 2 | G4 | CHANGED 10 TO 9 | JRE | JRE | 4/26/94 |
| 1 | ALL | COMPLETE REWORK | JRE | JRE | 2/8/94 |
| # POS. | DESCRIPTION | REV'D | APP'D | DATE | |

| | | | | | |
|---|--|-------------------|--|--------------|--|
| REVISIONS | | | | | |
|  THUNDERBIRD PRODUCTS  2200 W. MONROE ST., P.O. BOX 1003 DECATUR, IN 46733 (219) 724-9111 | | | | | |
| TITLE: 280 SS HEAD UNIT PIGTAIL | | | | | |
| DRAWN BY: RANDY EVERETT | | SCALE: NONE | | | |
| APP'D BY: RANDY EVERETT | | DATE: 11/19/93 | | | |
| MATERIAL: SEE NOTES | | FINISH: SEE NOTES | | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL: | | FRACTIONAL: | | ANGULAR: | |
| | | ± | | ± | |
| PART # 8831 | | | | SHEET 1 OF 1 | |

| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION |
|-----|--------|--------|--------|----|-----------------------------|
| 1 | BLACK | | | 10 | DOCKING LIGHT STBD GND |
| 2 | BLACK | | | 10 | DOCKING LIGHT PORT GND |
| 3 | RED | | | 10 | DOCKING LIGHT STBD POSITIVE |
| 4 | RED | BLACK | | 10 | DOCKING LIGHT PORT POSITIVE |
| 5 | WHITE | YELLOW | | 14 | SPEAKER + PORT CABIN |
| 6 | WHITE | BLACK | | 14 | SPEAKER - PORT CABIN |
| 7 | WHITE | ORANGE | | 14 | SPEAKER + STBD CABIN |
| 8 | WHITE | GREEN | | 14 | SPEAKER - STBD CABIN |
| 9 | BROWN | BLACK | | 14 | WATER PUMP + (BRKR TO UNIT) |
| 10 | ORANGE | BLUE | BLUE | 14 | WNDLS (SW TO DOWN SOLENOID) |
| 11 | ORANGE | BLUE | | 14 | WNDLS (SW TO UP SOLENOID) |
| 12 | BLACK | | | 10 | MAIN GROUND |

- NOTES:
- 1)SPOT BIND WITH BLACK WIRE TIES EVERY 12".
 - 2)DIMENSIONS INCLUDE TERMINAL ENDS.
 - 3)CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105**127C AND CONFORM TO SAE J1128 AND J378 JUN84.
 - 4)ALL PLUGS SHOULD BE OF CLEAR FLAME RETARDANT MATERIAL.
 - 5)ALL SPLICES AND OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALL STYLE SHRINK TUBING.





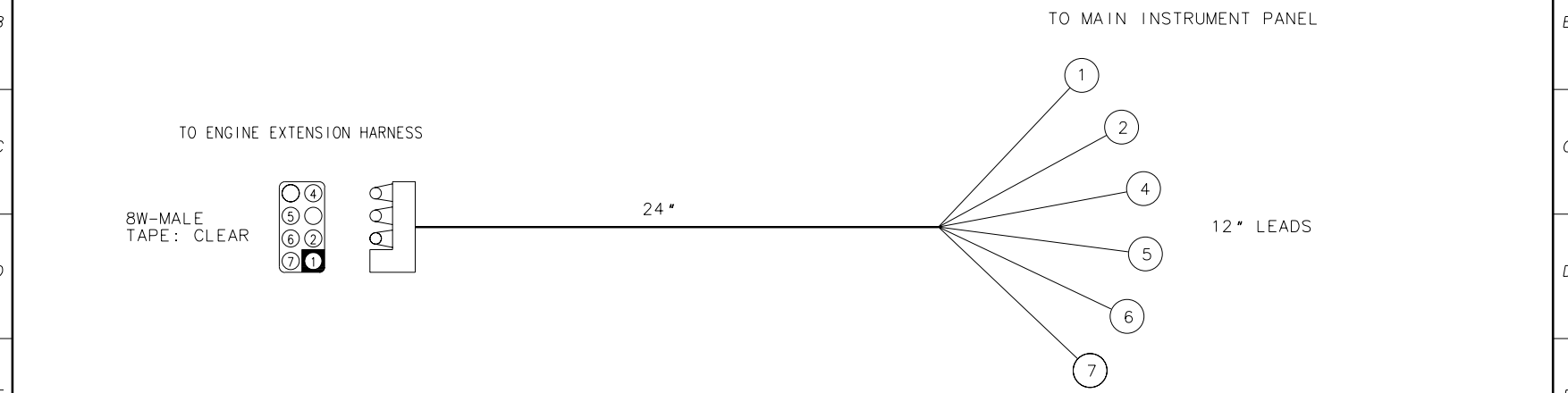
NOTES:

- 1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
- 2. DIMENSIONS INCLUDE TERMINAL ENDS.
- 3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
- 4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
- 5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
- 6. ATTACH LABELS AS SHOWN.

| | | | | | |
|--|------|----------------------|------------------|--------------|------|
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | | | | | |
| # | POS. | DESCRIPTION | REV'D | APP'D | DATE |
| REVISIONS | | | | | |
| THUNDERBIRD PRODUCTS | | | | | |
| 2200 W. MONROE ST., P.O. BOX 1003 DECATUR, IN 46733 (219) 724-9111 | | | | | |
| TITLE: INSTRUMENT POWER PIGTAIL 270-330 | | | | | |
| DRAWN BY KANDICE ESTILL | | | SCALE NONE | | |
| APP'D BY JRE | | | DATE 06/05/92 | | |
| MATERIAL SEE NOTES | | | FINISH SEE NOTES | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL .XX ± .XXX ± | | FRACTIONAL ± 1/2" | | ANGULAR ± | |
| SHEET 1 OF 1 | | | PART # 7480 | | |

| | |
|-----------------|--------|
| UNITS | INCHES |
| SECONDARY UNITS | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----|----------|--------|--------|----|--------------------------------------|---|---|
| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION | | |
| 1 | BLACK | | | 14 | MAIN GROUND (FROM ENG.) | | |
| 2 | GREY | | | 14 | TACHOMETER (SENDER TO INST) | | |
| 4 | PURPLE | WHITE | | 14 | TRIM SENDER (SENDER TO INST) | | |
| 5 | PURPLE | | | 14 | RUN (IGN. SW. TO ENG. & INSTRUMENTS) | | |
| 6 | LT. BLUE | | | 14 | OIL PRESSURE GAUGE (SENDER TO INST) | | |
| 7 | TAN | | | 14 | WATER TEMPERATURE (SENDER TO INST) | | |



- NOTES:
- 1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 - 2. DIMENSIONS INCLUDE TERMINAL ENDS.
 - 3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 - 4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
 - 5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
 - 6. ATTACH LABELS AS SHOWN.

| | | | | | | | |
|--|-------------|------------------|------------------|-----------|--------|--|--|
| 5 | | | | | | | |
| 4 | | | | | | | |
| 3 | | | | | | | |
| 2 | | | | | | | |
| 1 | ALL | COMPLETE REWORK | JRE | JRE | 2/8/94 | | |
| # POS. | DESCRIPTION | | REV'D | APP'D | DATE | | |
| REVISIONS | | | | | | | |
| THUNDERBIRD PRODUCTS | | | | | | | |
| 2200 W. MONROE ST., P.O. BOX 1003 DECATUR, IN 46733 (219) 724-9111 | | | | | | | |
| TITLE: F-280 SS INSTRUMENT PANEL PIGTAIL | | | | | | | |
| DRAWN BY RANDY EVERETT | | | SCALE NONE | | | | |
| APP'D BY RANDY EVERETT | | | DATE 11/30/93 | | | | |
| MATERIAL SEE NOTES | | | FINISH SEE NOTES | | | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | | | |
| DECIMAL .XX ± .XXX ± | | FRACTIONAL ±1/2" | | ANGULAR ± | | | |
| PART # 8845 | | | SHEET 1 OF 1 | | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----|---------|--------|--------|----|------------------|---|---|
| POS | COLOR | STRIPE | STRIPE | GA | DESCRIPTION | | |
| 1 | BLACK | | | 10 | MAIN GROUND | | |
| 2 | DK.BLUE | WHITE | | 14 | COURTESY LIGHT + | | |

- NOTES:
1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 2. DIMENSIONS INCLUDE TERMINAL ENDS.
 3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
 5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
 6. ATTACH LABELS AS SHOWN.



TO DECK HARNESS
#8823

TO COURTESY LIGHT



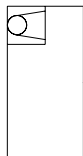
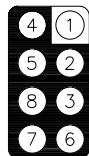
48"

12" LEADS

| | | | | | |
|--|------|----------------------|---------------------|--------------|------|
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | | | | | |
| # | POS. | DESCRIPTION | REV'D | APP'D | DATE |
| REVISIONS | | | | | |
|  THUNDERBIRD PRODUCTS  2200 W. MONROE ST. P.O. BOX 1003 DECATUR, IN 46733 (219) 724-9111 | | | | | |
| TITLE: F-280 SS AFT LOUNGE SEAT PIGTAIL | | | | | |
| DRAWN BY RANDY EVERETT | | | SCALE NONE | | |
| APP'D BY RANDY EVERETT | | | DATE 11/19/93 | | |
| MATERIAL SEE NOTES | | | FINISH SEE NOTES | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL .XX ± | | FRACTIONAL .XXX ± | | ANGULAR ± | |
| PART # 8830 | | | SHEET 1 OF 1 | | |

| POS | COLOR | STRIPE | STRIPE GA | DESCRIPTION |
|-----|--------|--------|-----------|-------------------------------|
| 1 | LTBLUE | | | 14 TRIM TAB MOTOR FWD |
| 2 | GREEN | | | 14 TRIM TAB STBD VALVE |
| 3 | ORANGE | | | 14 TRIM TAB + (BKR TO SW) |
| 4 | YELLOW | | | 14 TRIM TAB MOTOR REV. |
| 5 | RED | | | 14 TRIM TAB PORT VALVE |
| 6 | PURPLE | WHITE | WHITE | 14 TRIM TAB PORT (UP/TRAILER) |
| 7 | RED | PURPLE | | 14 TRIM TAB STBD (FUSE TO SW) |
| 8 | PURPLE | WHITE | | 14 TRIM TAB STBD (UP/TRAILER) |

8W-FEMALE
TAPE: GREEN



8"

8"

8"

8"

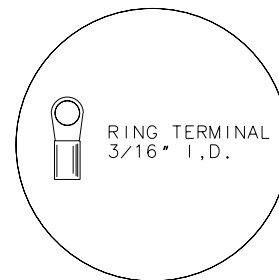
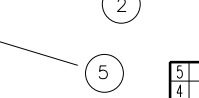
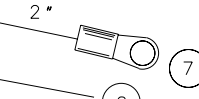
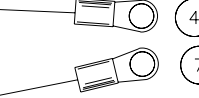
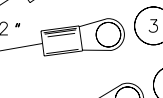
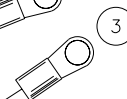
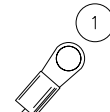
8"

10"

10"

10"

10"

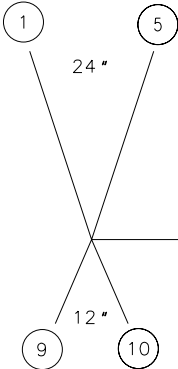


- NOTES:
1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
 2. DIMENSIONS INCLUDE TERMINAL ENDS.
 3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
 4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
 5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
 6. ATTACH LABELS AS SHOWN.

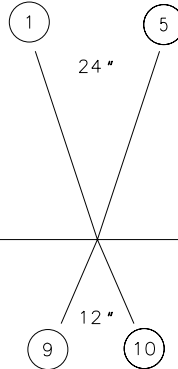
| | | | | | |
|---|-------------|-----------------|-------|------------------|---------|
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | ALL | COMPLETE REWORK | JRE | JRE | 8/22/97 |
| 1 | ALL | CHANGED LENGTHS | JRE | JRE | 2/4/94 |
| # POS. | DESCRIPTION | REV'D | APP'D | DATE | |
| REVISIONS | | | | | |
| THUNDERBIRD PRODUCTS | | | | | |
| 2200 W. MONROE ST. P.O. BOX 1003 DECATUR, IN 46733 (219) 724-9111 | | | | | |
| TITLE: 280/330 TRIM TAB PIGTAIL | | | | | |
| DRAWN BY | | RANDY EVERETT | | SCALE NONE | |
| APP'D BY | | RANDY EVERETT | | DATE 11/19/93 | |
| MATERIAL | | SEE NOTES | | FINISH SEE NOTES | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
| DECIMAL | | FRACTIONAL | | ANGULAR | |
| . XX ± | | . XXX ± | | ± ± | |
| PART # | | 8829 | | SHEET 1 OF 1 | |

| POS | COLOR | STRIPE | STRIPE | PEGA | DESCRIPTION |
|-----|--------|--------|--------|------|--------------------------------|
| 1 | BLACK | | | 14 | MAIN GROUND |
| 2 | BROWN | BLACK | | 14 | WATER PUMP (BKR TO PUMP) |
| 3 | ORANGE | BLUE | | 14 | WINDLASS *UP* (SW TO SOLND) |
| 4 | ORANGE | BLUE | | 14 | WINDLASS *DOWN* (SW TO SOLND) |
| 5 | RED | | | 14 | DOCKING LT STBD (SW TO LT) |
| 6 | RED | BLACK | | 14 | DOCKING LT PORT (SW TO LT) |
| 7 | WHITE | YELLOW | | 14 | FRONT LEFT + (STEREO TO SPKR) |
| 8 | WHITE | BLACK | | 14 | FRONT LEFT - (STEREO TO SPKR) |
| 9 | WHITE | ORANGE | | 14 | FRONT RIGHT + (STEREO TO SPKR) |
| 10 | WHITE | GREEN | | 14 | FRONT RIGHT - (STEREO TO SPKR) |

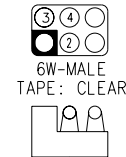
TO PORT
DOCKING LT.



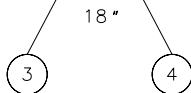
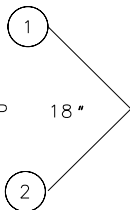
TO STBD
DOCKING LT.



TO DECK
HARNESS #8823



TO WATER PUMP



TO WINDLASS SOLENOID

NOTES:

1. SPOT BIND WITH BLACK WIRE TIES EVERY 12" AND AT BREAKOUTS.
2. DIMENSIONS INCLUDE TERMINAL ENDS.
3. CONSTRUCTION OF INCLUDED CONDUCTORS SHALL BE RATED AT 105°C AND CONFORM TO SAE J1128 AND J378 JUN84.
4. ALL MOLDED PLUGS SHOULD BE CONSTRUCTED OF CLEAR FLAME RETARDANT MATERIAL.
5. ALL SPLICES AND/OR TERMINAL ENDS ARE TO BE SEALED WITH DUAL WALLED TUBING.
6. ATTACH LABELS AS SHOWN.
7. INSULATE WITH SHRINK TUBING ALL CONDUCTORS DENOTED BY AN ASTERISK.

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| TITLE: 280 SS V BERTH PIGTAIL | | | | | |
| DRAWN BY | | RANDY EVERETT | | SCALE NONE | |
| APP'D BY | | RANDY EVERETT | | DATE 11/17/93 | |
| MATERIAL | | | SEE NOTES | | |
| FINISH | | | SEE NOTES | | |
| TOLERANCES (UNLESS OTHERWISE SPECIFIED) | | | | | |
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| PART# 8828 | | | SHEET 1 OF 1 | | |