

NOTE: GENERAL INSTUCTIONS FOR 340 - 360 - 390 SERIES

1. WHEN DIESEL ENGINES ARE ORDERED DO NOT DRILL TRANSMISSION INDICATOR.
2. IF THE OPTIONAL GEN. SET IS NOT ORDERED DO NOT DRILL GENERATOR INDICATOR.

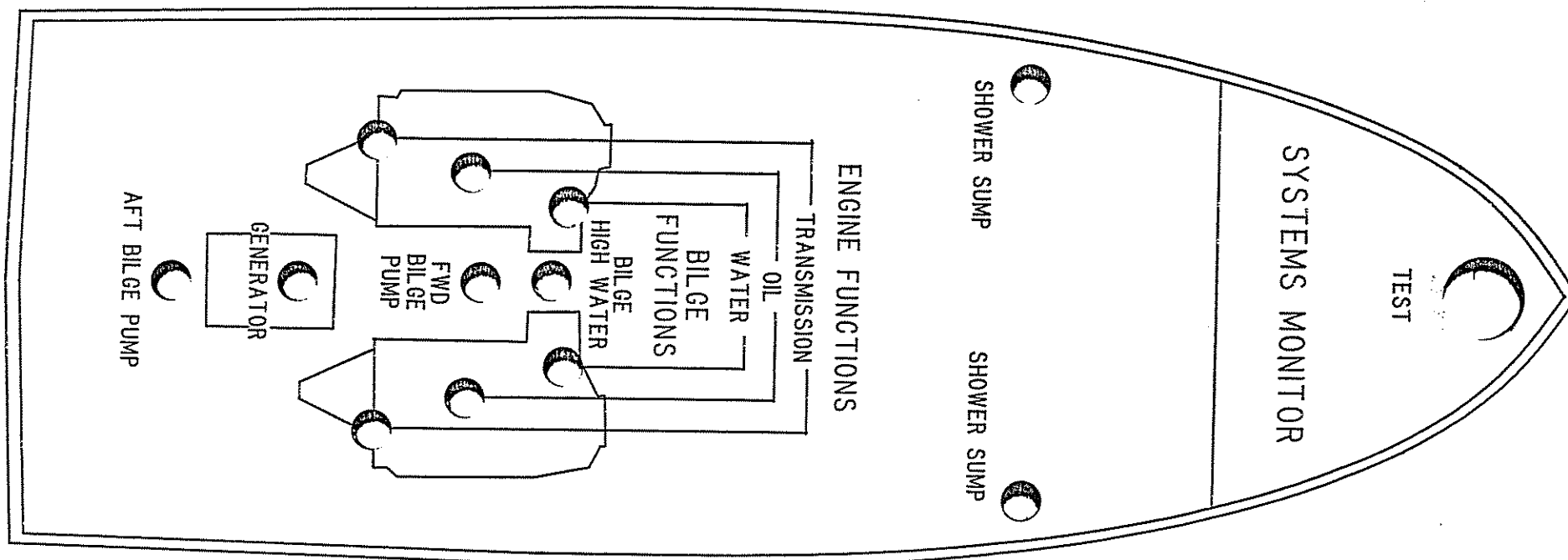
SPECIFIC INSTUCTIONS FOR EACH MODEL

340 SERIES

1. DO NOT DRILL SHOWER SUMP INDICATORS.

360 - 390 SERIES

1. DO NOT DRILL STB'D SHOWER SUMP INDICATOR.



DRAWN BY
RMH

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RG 5/14/85

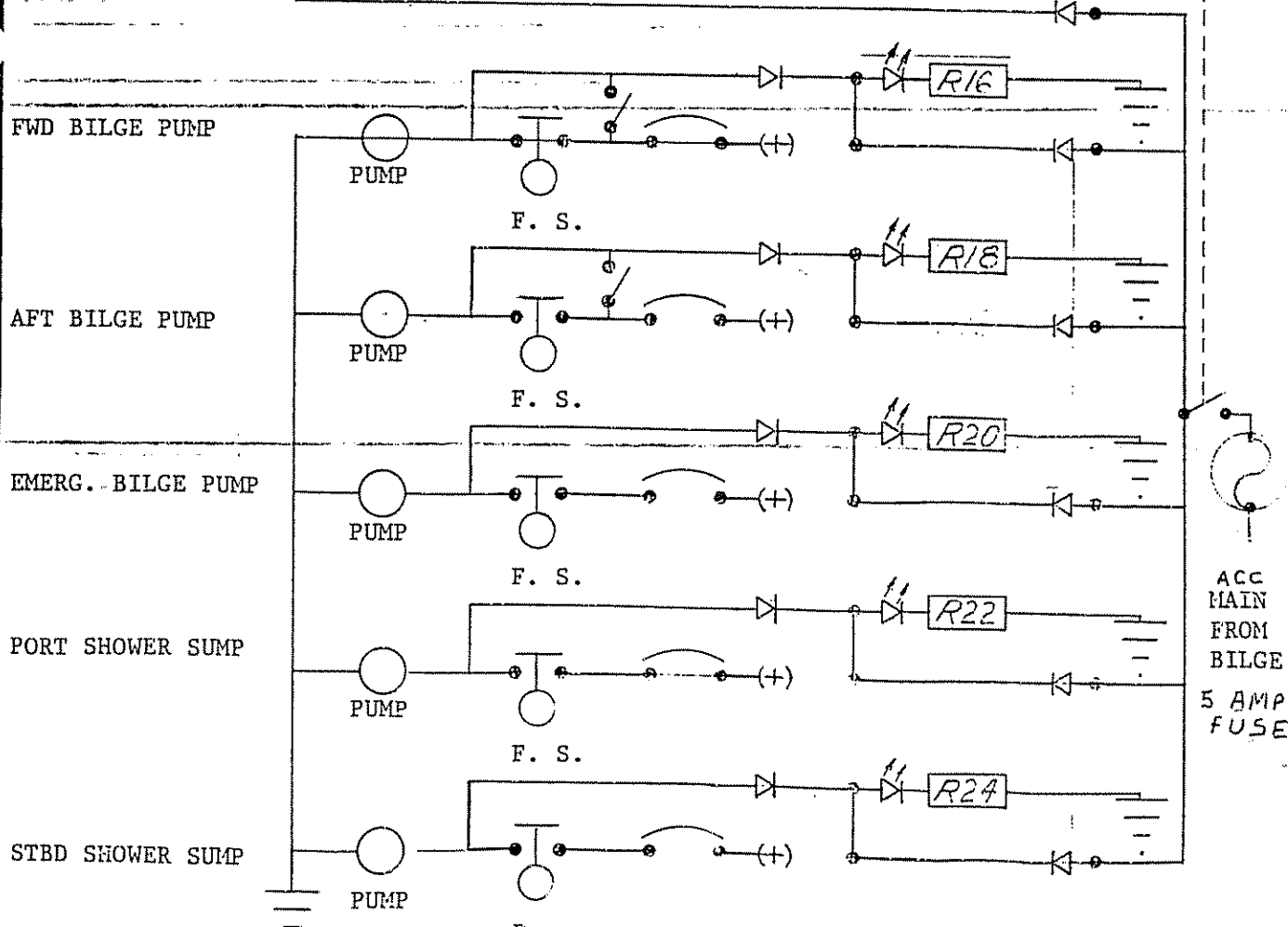
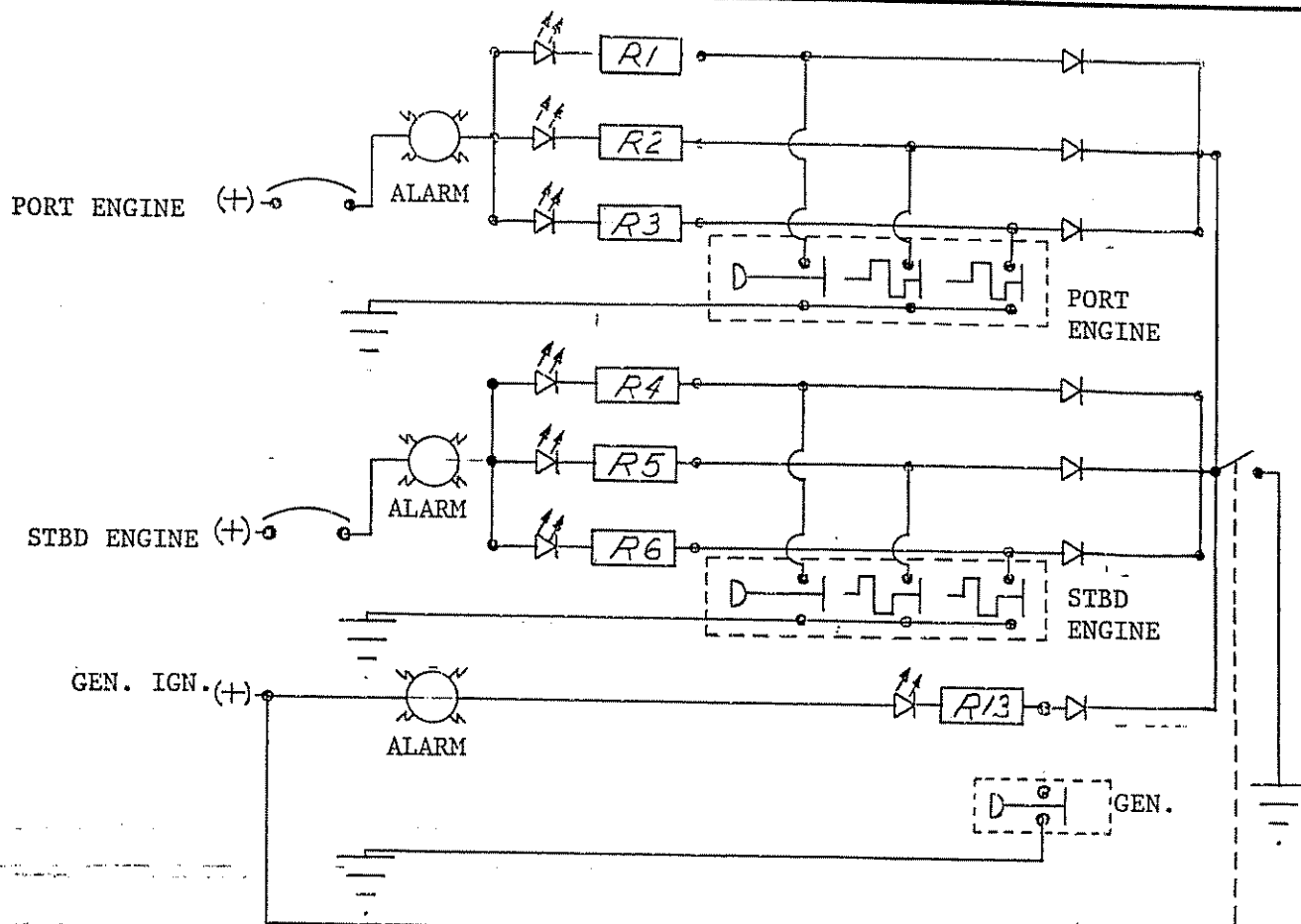
TITLE
SYSTEMS MONITOR INDICATOR PANAL

MODEL
ALL

ECN NO.
2635

REV NO.
1

DWG NO.
09-220



WVN BY Y, BRIAN D.	APPROV BY RG 5/4/80	TITLE SYSTEMS MONITOR SCHEMATIC	MODEL ALL	ECN NO. 2635	REV NO. 2	DWG NO. 09-651
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SYSTEMS MONITOR COLOR CODES

HARNESS

PURPLE	STB. ENGINE IGN.
BLUE	STB. ENGINE OIL
BROWN	STB. ENGINE WATER
WHITE	STB. ENGINE TRANS. (AS REQUIRED)
PURPLE/RED	PORT ENGINE IGN.
BLUE/RED	PORT ENGINE OIL
BROWN/RED	PORT ENGINE WATER
WHITE/RED	PORT ENGINE TRANS. (AS REQUIRED)
RED	GEN. (+) FM REMOTE SWITCH
BLACK	GEN. (-) FM OIL PRESSURE SWITCH
PINK	EMERGENCY BILGE PUMP
YELLOW	FWD. BILGE PUMP
GREEN	AFT. BILGE PUMP
ORANGE	PORT OR FWD. SHOWER SUMP PUMP
ORANGE/BLACK	STB. OR AFT SHOWER SUMP PUMP

ADD:

16 AWG RED/VIOLET FOR TEST (+)

16 AWG BLACK FOR TEST (-)

DWG NO.
09-652

REV NO.
1

ECN NO.
2635

MODEL
ALL

TITLE
SYSTEMS MONITOR WIRE COLOR CODE

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DRAWN BY
M. MORGAN

4.) ADD: 16 AWG RED (GEN. IGN.) FM MDP GEN. REMOTE SW TO MAIN HELM.

5.) CHANGE GEN. STOP SWITCH TO GEN. ON-OFF SWITCH. USE DPST SWITCH AND REFER TO DWG #09-351 AND #09-361 FOR WIRING DIAGRAM.

6.) WIRE SYSTEMS MONITOR PANEL WITH DIODES "IN-LINE" WITH LED'S REF. TO DWG. #09-651 FOR WIRING DIAGRAM. WIRE ~~WIRE~~ ACCORDING TO WIRE COLOR CODE FOR MONITOR. REF. DWG #09-652.

7.) ATTACH ALARM BUZZERS TO UNDER SIDE OF PANEL WITH CLEAR SILICONE CAULK.

8.) SOLDER AND SHRINK TUBE ALL CONNECTIONS AND DIODES

9.) AFTER MODULE IS COMPLETE, CONNECT TO TEST BOX AND TEST ALL FUNCTIONS. TROUBLE SHOOT AND REPAIR.

ELECTRICAL ASSEMBLY -- 1.) INSTALL MONITOR SYSTEM BOAT WITH 4 ea. $\frac{1}{2}$ " #8 PAN HEAD SCREWS.

2.) WIRE BOAT WIRES TO TERMINAL STRIP

PIGTAIL LENGTHS FROM MONITOR TO TERMINAL STRIPS

460EC	6ft
390EC	8ft
360AC	12ft
340SDB	12ft
340SF	5ft
340SDA	10ft
340EC	10ft

DWG NO.
09-653

REV NO.
1

ECN NO.
2635

MODEL
ALL

TITLE
SYSTEMS MONITOR INSTALLATION INSTRUCTIONS

APPROV BY
RG 5/14/85

DRAWN BY
M. MORGAN

SYSTEMS MONITOR

MATERIALS NEEDED:

- 1 - DPST MOMENTARY SW (TEST)
- 1 - DPST ON-OFF SW (GEN. ON-OFF AT MDP)
- 12 - DIODES TYPE IN4005
- 4 - PEIZ O ELECTRIC BUZZER 12 vdc
- 12 - HIGH INTENSITY LED'S 12 vdc RED
- 1 - N.C. OIL PRESSURE SW 6 psi 1/8" PIPE THREADED
FOR GEN. SET INDICATOR (#D-364-K STEWART-WARNER)
- 1 - PLATE SIZE 4 5/8" x 10 1/4" ENGRAVED BY ELECTRICAL PANEL SHOP AS PER BOAT REQUIREMENTS

INSTALLATION INSTRUCTIONS:

LAMINATION - MAKE CUT-OUT IN DASH FOR SYSTEMS MONITOR REF. DWG -- #06-306
460EC (CENTERED IN RECESSED AREA)

06-329 340SF #12-520 390EC
06-355 340SDA
06-125 340SDB
06-320 360AC

WOODSHOP - MAKE CUT-OUT IN STARBOARD COCKPIT SIDE PANEL REF. DWG #11-441
FOR 340EC

ENGINE STATION - 1.) PRIOR TO MAIN ENGINE INSTALLATION, DISCONNECT ALL ENGINE
ALARM WIRES (WATER TEMP., OIL PRESSURE, & TRANSMISSION
TEMP. WHEN NEEDED)

NOTE: DO NOT DISCONNECT THE WIRES FOR DASH GAUGES.

- 2.) REPLACE WITH INDIVIDUAL WIRES FOR EACH SENDER -
 - 16 AWG BLUE FOR OIL PRESSURE
 - 16 AWG BROWN FOR WATER TEMP.
 - 16 AWG WHITE FOR TRANS. TEMP.
- 3.) ROUTE WIRES UP TO HARNESS PLUG TAPING WHERE POSSIBLE AND TYWRAPPING WHERE NECESSARY. LEAVE APPROXIMATELY 2 FEET IN ACCESS BEYOND PLUG.
- 4.) PRIOR TO GEN. SET INSTALLATION, INSTALL ADDITIONAL OIL PRESSURE SW (TYPE #D-364-K STEWART-WARNER) IN ENGINE BLOCK.
- 5.) WIRE OIL PRESSURE SWITCH WITH 16 AWG BLUE MARK "SYSTEM MONITOR". ROUTE WIRE INTO GEN. SET CONTROL BOX TAPING WHERE POSSIBLE AND TYWRAPPING WHERE NECESSARY.

ELECTRICAL FABRICATION - 1.) ENGRAVE PANEL AS MARKED PER BOAT REQUIREMENTS

- 2.) ADD: 16 AWG BLUE (OIL PRESSURE)
16 AWG BROWN (WATER TEMP.)
16 AWG WHITE (TRANS. TEMP.)

TO ENGINE HARNESS FROM BILGE TO MAIN HELM.

- 3.) ADD: 16 AWG BLUE (GEN. OIL) TO GEN. HARNESS FROM
BILGE TO MAIN HELM.

DWG NO.	09-653
REV NO.	1
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