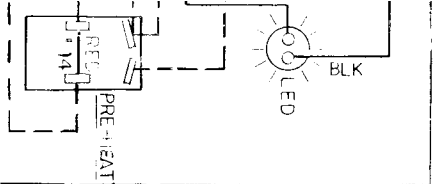


DATE	SYM.	REVISIONS	CK	DR.
17 MAR 85	A	UPDATED INSTRUMENT PANEL		JU
04 MAY 85	B	UPDATED REMOTE CONTROL PANEL		JU
20 JUN 85	C	ADDED NOTES		JU
28 AUG 85	D	ADDED WIRING SIZE TABLE		BJS
28 AUG 85	E	REMOTE PANEL UPDATED		JU
28 AUG 85	E	INSTRUMENT PANEL UPDATED		BJS JU
28 AUG 85	E	BROWN WIRE REMOVED FROM REMOTE PANEL		BJS JU

PANEL (OPTIONAL)



(REAR VIEW)

Oil

FOR 15 TO 60

ART SWITCHES
IL PRESSURE

ASE START
G PRE-HEAT
NTIL OIL

GENERATOR

TO REMOTE CONTROL PANEL

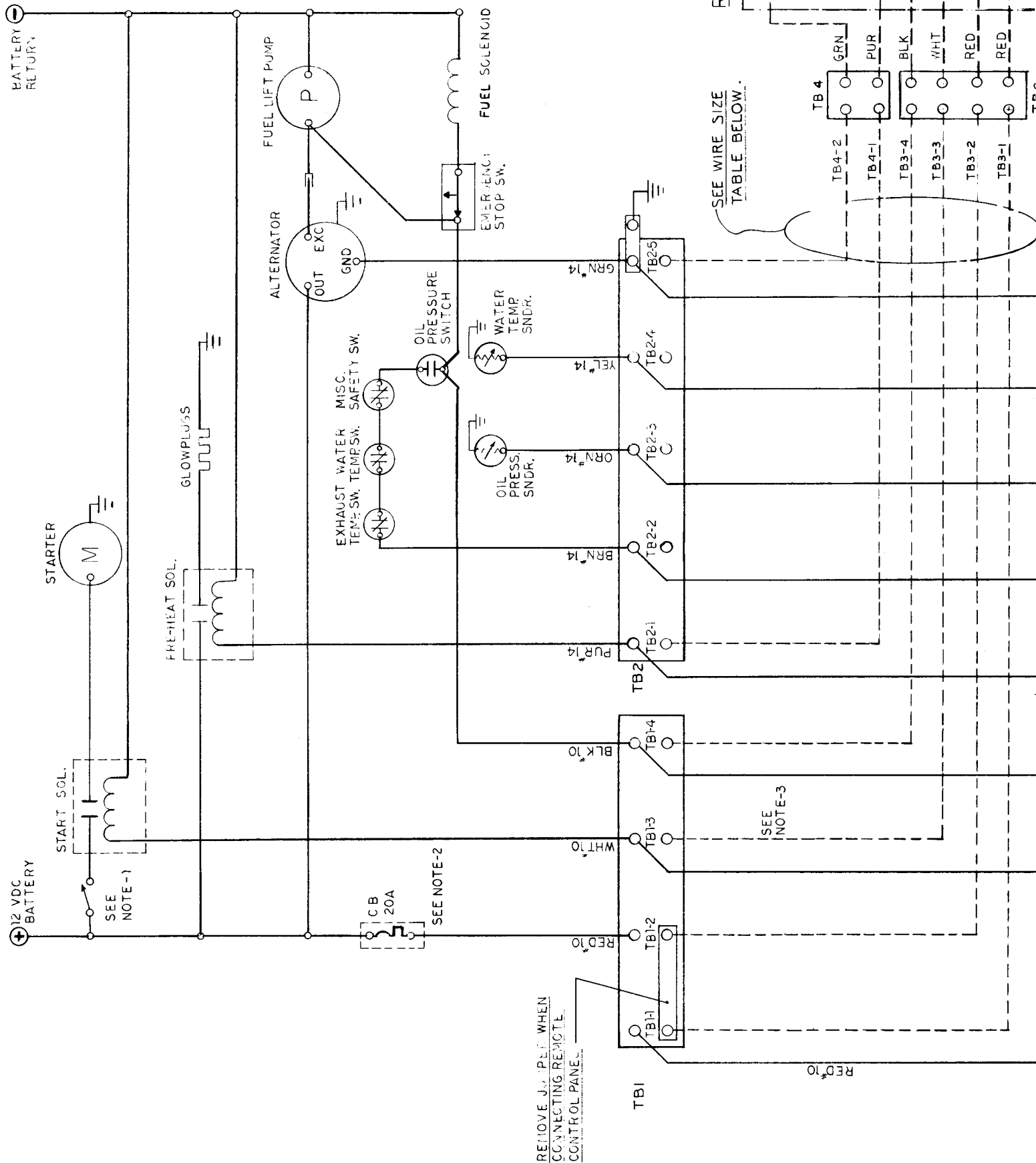
0-25'	25-32'	32-40'	40-50'	50-60'
#10	#9	#8	#7	#6
12	10	10	9	8
10	9	8	7	6
16	16	16	16	16
16	16	16	16	16
16	16	16	16	16

③ MOST STARTER SOLENOIDS DRAW 15 AMPS. THEREFORE THE VOLTAGE DROP IN THIS CONDUCTOR MUST BE NO GREATER THAN 10% (IN THE PATH FROM THE STANDARD START SWITCH TO ANY REMOTE SWITCHES AND BACK TO THE STANDARD STARTER SWITCH). IF THIS REQUIRES IMPRACTICALLY LARGE CONDUCTORS THEN A RELAY MAY BE ADDED TO CONTROL THE STARTER SOLENOID ITSELF.

② THIS PRODUCT IS PROTECTED BY A MAJOR RESET CIRCUIT BREAKER LOCATED NEAR THE STARTER AND AS CLOSE TO THE SOURCE OF CURRENT AS POSSIBLE. EXCESSIVE CURRENT DRAW ANYWHERE IN THE INSTRUMENT PANEL, WIRING OR ENGINE WILL CAUSE THE BREAKER TO TRIP. IN THIS EVENT MOST GENERATORS WILL SHUT DOWN BECAUSE THE OPENED BREAKER DISCONNECTS THE FUEL SUPPLY. THEREFORE THE FUEL PUMP/ENGINE MUST BE SURE THAT THE INSTRUMENT PANEL WIRING AND ENGINE ARE INSTALLED TO PREVENT CONTACT BETWEEN ELECTRICAL DEVICES AND SALT WATER.

① AN ON-OFF SWITCH SHOULD BE INSTALLED IN THIS CIRCUIT TO DISCONNECT THE STARTER FROM THE BATTERY IN AN EMERGENCY & WHEN LEAVING THE BOAT. TWELVE VOLT DIESEL ENGINE STARTERS TYPICALLY DRAW 200 TO 300 AMPS WHEN CRANKING. THE DURATION OF INDIVIDUAL CRANKING CYCLES SHOULD NOT EXCEED 30 SECONDS. A SWITCH WITH A CONTINUOUS RATING OF 15 AMPS AT 12 VDC WILL NORMALLY SERVE THESE FUNCTIONS BUT A SWITCH MUST NEVER BE USED TO MAKE THE STARTER CIRCUIT.

TOLERANCES	J.H. WESTERBEKE CORP. AVON MA 02322		
DECIMAL	~	SCALE	NONE
FRACTIONAL	~	CONV	JU
AUGULAR	~	CONV	JU
TITLE WIRING DIAGRAM - DIESEL GENERATOR			
BT SERIES-8KW			
DATE	29 JAN 85	34651	



GENERATOR OPERATOR

PRE-HEAT: DEPRESS PRE-HEAT SWITCH SECONDS AS REQUIRED.

START: DEPRESS BOTH PRE-HEAT AND START SWITCHES (PRE-HEAT ALSO OVERRIDES LOW OIL SHUTDOWN CIRCUIT).

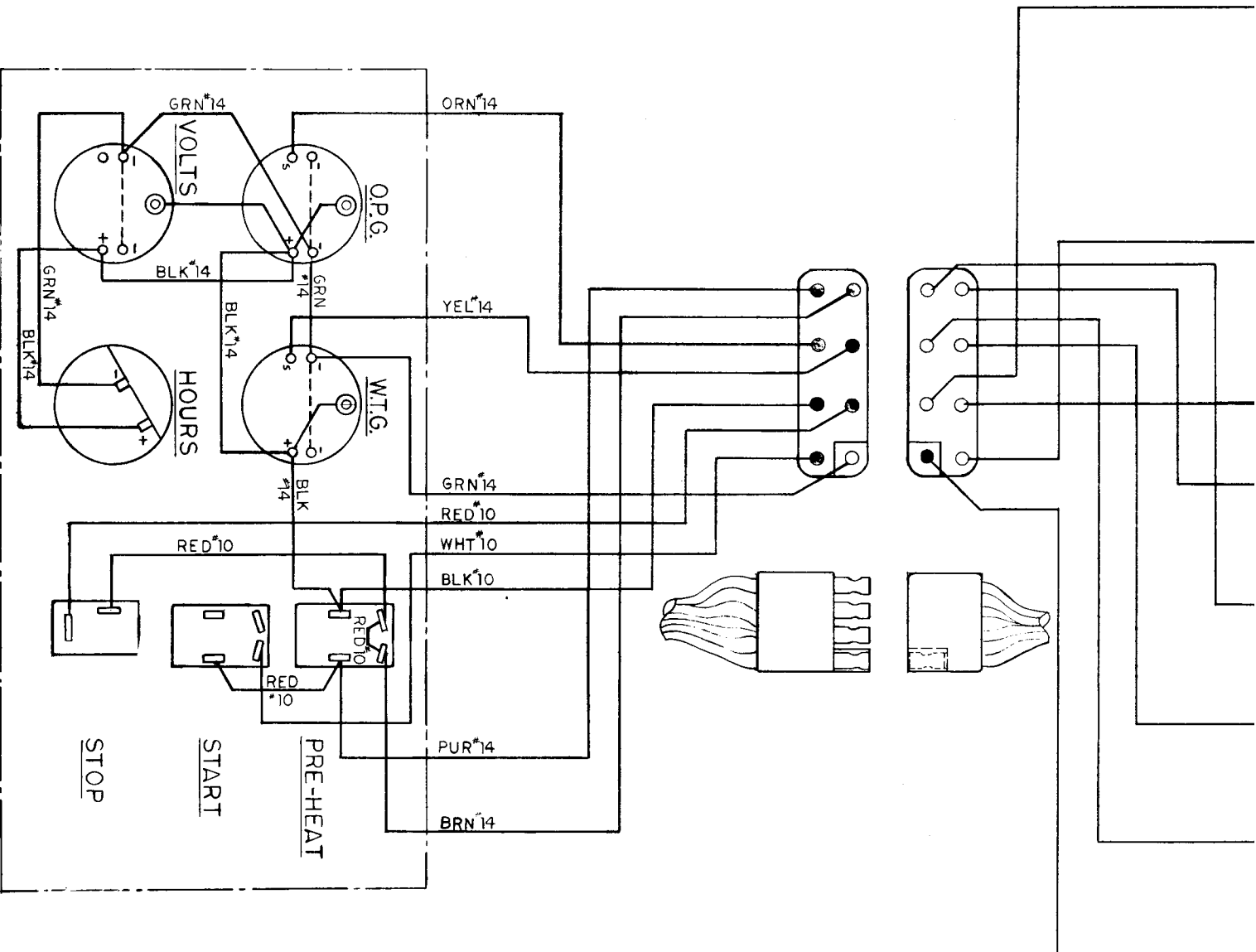
WHEN GENERATOR STARTS, RELEASE START SWITCH ONLY. CONTINUE HOLDING SWITCH FOR A FEW SECONDS (UNTIL PRESSURE REACHES 20 PSI).

STOP: DEPRESS STOP SWITCH UNTIL THE STOP COMPLETES.

WIRING SIZES

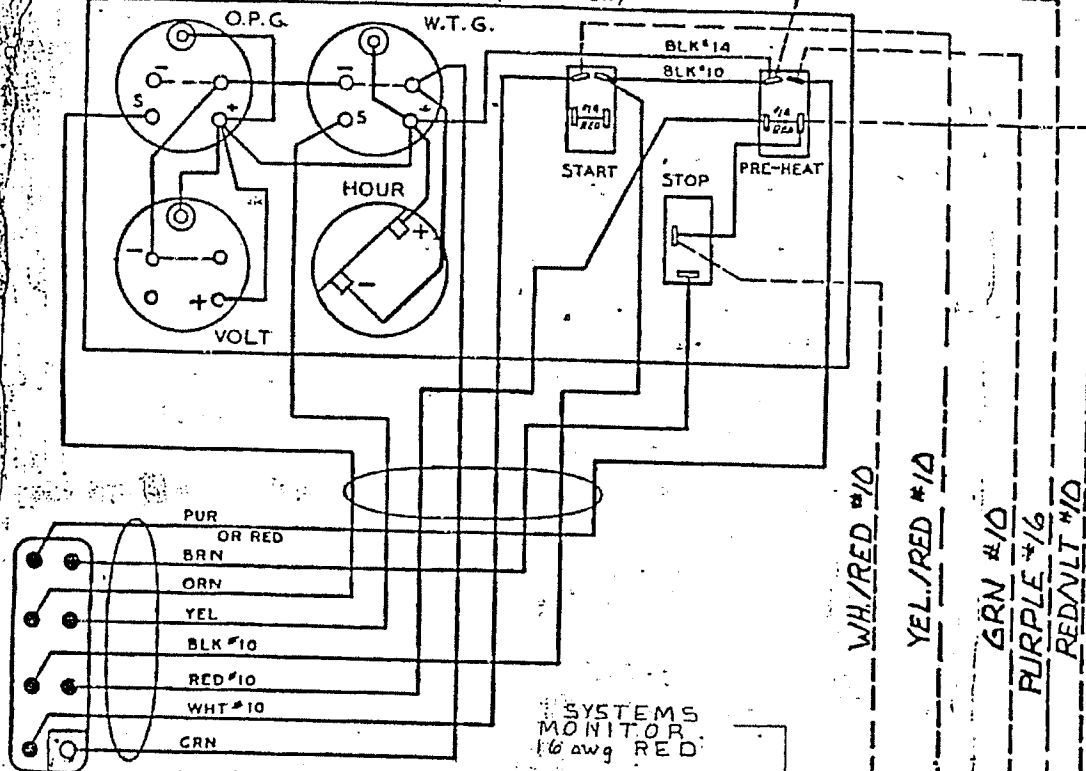
TERMINALS

TERMINALS	0-16'	16-20'	20-30'
TB1-1 TO TB3-1	#12	#10	#8
TB1-2 TO TB3-2	14	12	10
TB1-3 TO TB3-3	12	10	8
TB1-4 TO TB3-4	16	16	14
TB2-1 TO TB4-1	16	16	14
TB2-5 TO TB4-2	16	16	14

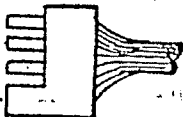


STANDARD
INSTRUMENT
PANEL
(REAR VIEW)

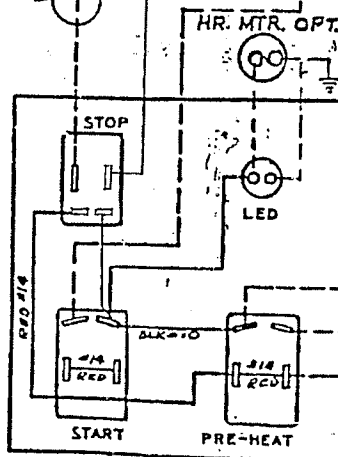
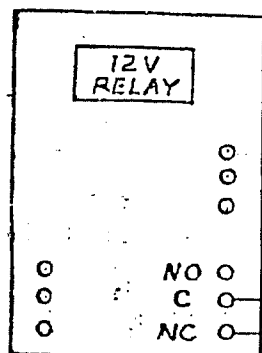
INSTRUMENT PANEL ASSEMBLY (REAR VIEW)



FIREBOY (OPT)
(SEE DETAIL)



FIREBOY OPTION



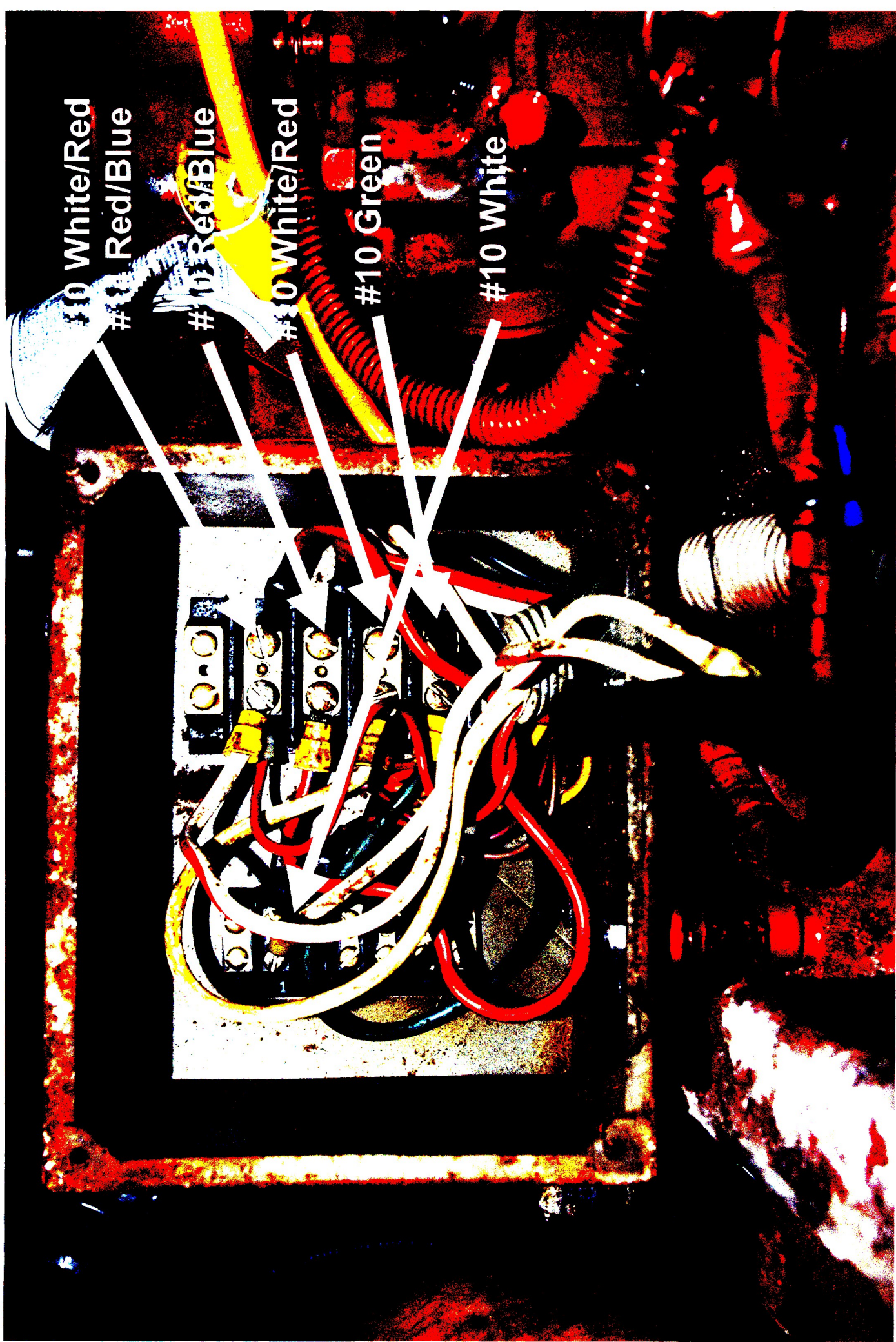
REMOTE CONTROL PANEL (REAR VIEW)

NOTE:

REF. DWG #09-517 FOR
FIREBOY WIRING

REF. DWG #09-653 FOR
SYSTEMS MONITOR INSTRUCTIONS

DRAWN BY	APPROV BY	TITLE	MODEL	ECN NO.	REV NO.	DWG NO.
Michael S. Hagen	RG	(DIESEL ONLY) WESTERBEKE REMOTE WIRING	ALL		4	00-361
		5/14/85				



#10 White/Red

#10 Red/Blue

#10 Red/Blue

#10 White/Red

#10 Green

#10 White