

- 3.13 1 Wire from P9 to C3-2
- 3.14 All fasteners & wire terminals are tight
- 4.0 ELECTRICAL TEST
- 4.1 Put module in vertical mounting position. ;Prevent accidental contact
; closures of KH & KP
;
- 4.2 Remove Circuit Board Cover. ;Access Circuit Board
;
- 4.3 Unplug P1 from Circuit Board. ;Isolate Circuit Board
;
- 4.4 Verify resistance (Ohms):
a. TB-3 to TB-4 is less than 100 ;T1 primary
b. TB-3 to TB-5 is OPEN CIRCUIT ;KP N.O. contacts
c. TB-1 to TB-5 is OPEN CIRCUIT ;KH N.O. contacts
d. TB-6 to TB-7 is less than 1 ;KH N.C. contact
e. P-4 to P-8 is OPEN CIRCUIT ;K N.O. contact
f. P-5 to P-7 is less than 1 ;K N.C. contact
g. P-10 (+) to P-11 is 60 to 80 ;K coil
h. P-12 (+) to P-9 is C3 CHARGE-UP ;C3 not open or shorted
;
- 4.5 Apply 115VAC between TB-1 and TB-2. ;HOUSE PWR input--nominal
;
- 4.6 Verify voltage (VAC):
a. P-1 to P-2 is 1 to 20 ;R2 & C2 AC leakage
b. TB-5 to TB-4 equals applied 115 ;KH picked up
;
- 4.7 Verify resistance (Ohms):
TB-6 to TB-7 is OPEN CIRCUIT ;KH picked up
;
- 4.8 Apply 12VDC between P-10 (+) and P-11 (-). ;K coil energized
;
- 4.9 Verify voltage (VAC):
TB-5 to TB-4 is 1 to 70 55VAC 58VAC ;KH dropped out by K,
; R1 & C1 leakage
;
- 4.10 Verify resistance (Ohms):
a. P-8 to P-4 is less than 1 ;K picked up
b. P-7 to P-5 is OPEN CIRCUIT ;K picked up
;
- 4.11 Remove power from P-10 and P-11. ;K coil de-energized
;
- 4.12 Remove power from TB-1 and TB-2. ;HOUSE PWR removed
;
- 4.13 Apply 115VAC between TB-3 and TB-4. ;PMG POWER input--nominal
;
- 4.14 Apply 12VDC between P-10 (+) and P-11 (-). ;K coil energized
;
- 4.15 Verify voltage (VAC):
a. TB-5 to TB-4 equals applied 115 ;KP picked up
b. P-3 to P-6 is 14 to 22 16.5 ;T1 turns ratio
;
- 4.16 Remove power from P-10 and P-11. ;K coil de-energized
;
- 4.17 Remove power from TB-3 and TB-4. DO NOT TAKE LEADS OFF ;PMG POWER removed
;
- 4.18 Plug P1 into Circuit Board. ;Connect AC SOURCE MONITOR
;
- 4.19 Adj. R10 on Circuit Board fully CW (25T) ;Set for min. sensitivity

4.20	Apply 100VAC between TB-3 and TB-4.	;
4.21	Verify RED LED (CR35) on C.B. is OFF.	;PMG POWER input--low line
4.22	Adj. R10 CCW until RED LED turns ON.	;
4.23	Verify voltage (VAC): TB-5 to TB-4 equals applied 100	;AC SOURCE MONITOR selecting
4.24	Remove power from TB-3 to TB-4.	;HOUSE PWR input
4.25	Replace Circuit Board Cover.	;
4.26	Apply T-stamp to N.P. if all steps pass.	;AC SOURCE MONITOR selecting
		;PMG POWER input
		;K & KP picked up
		;
		;PMG POWER removed
		;
		;Re-assemble
		;
		;END OF TEST

REV	DATE	BY	DESCRIPTION OF REVISION
0	07/28/1994	A.D.McArthur	Issued
1	08/11/1994	A.D.McArthur	Added item i.d. to test sub-steps
2	09/29/1994	A.D.McArthur	3.10 - permit higher Voltage ratings