

AH-850603-A

CHANGES

1)6.17.65:5

EXPLANATION OF TERMS:

O = OPERATE: NO = NON-OPERATE:

H = HOLD: R = RELEASE:

POS. = TEST WITH POSITIVE BATTERY THRU
RESISTANCE OF TEST SET.

NEG. = TEST WITH NEGATIVE BATTERY THRU
RESISTANCE OF TEST SET.

NOTES:

- 1: TEST WITH BOTH WINDINGS IN SERIES.
- 2: TEST ON NO.1 WDG. (INNER OR ARM. END)
- 3: TEST ON NO.2 WDG. (OUTER OR HEEL END)
- 4: TEST WITH BOTH WINDINGS IN MULT.

GENERAL NOTES

FOR GENERAL INSTRUCTIONS AND RELAY ADJUSTMENT
SEE R-0004.

TEST WITH 50 VOLTS D.C.

REMOVE RELAY BAR FROM JACK WHILE TESTING.
CONNECT GRD. TO RELAY BAR JACK S40 AND
NEG. BAT. TO JACK C40.

DR	SCALE	CAX SELECTOR MARKER & CONNECTOR CONTROL CKT. WITH TRANSISTOR SWITCHED RELAYS SELECTOR BOARDS TYPE 900 RELAYS	CKT. - H-850603-A
CH	DATE 6.17.65		SHEET 1 OF 2
EN HHA	APPR ABN/ABH/HA		ISSUE 1.
AUTOMATIC ELECTRIC CO. NORTHLAKE, ILLINOIS			AH-850603-A

USED ON

42-288-1

CHANGES	RELAY	TEST	ADJ	INSP	NOTE	TESTING INSTRUCTIONS
1) 6.17.65	XA, XB & XC FIG. 1	0	1180		2	NEG. BAT. TO COIL TERM. #3 OF RLY. UNDER TEST.
	PC NO. 913 NUA 24BK 167		.035			
	WDG 2B3. 250 Ω	NO	1670			
	WDG 1B4. 750 Ω		.026			
	XR	0	1020		2	INS. SPGS. 1 & 2 OF RLY. XR. POS. TO SPG. 16 OF RLY. XS.
	PC NO. 912 PUA 23AC 171		.040			
	WDG 2B3. 230 Ω	NO	1240			
	WDG 1B4. 230 Ω		.034			
	XS	0	1020		2	NEG. TO SPG. 1 OF RLY. XR.
	PC NO. 912 SUA 23AC 171		.040			
	WDG 2B3. 230 Ω	NO	1240			
	WDG 1B4. 230 Ω		.034			
	CM	0	2200		2	INS. SPGS. 11 & 12 OF RLY. CM. NEG. BAT. TO SPG. 12 OF RLY. CM. POS. TO SPG. 16 OF RLY. XC.
	PC NO. 913 CAA 58AC 106		.010			
	WDG 2B3. 2800 Ω	NO	7200			
	WDG 1B4. 150 Ω		.005			
	GD	0	2060		2	TEST IN SERIES WITH 100 Ω. REMOVE LEADS FROM COIL TERM. #2. INS. SPGS. 11 & 12 OF RLY. GD. NEG. TO COIL TERM. #2.
	PC NO. 911 CBA 24AD 177		.012			
	WDG 2B3. 2000 Ω	NO	2900			
	WDG 1B4. 2000 Ω		.010			
GR	0	1220		4	INS. SPGS. 1 & 2 OF RLY. GD. POS. TO SPG. 1 OF RLY. GD.	
PC NO. 931 EFA 24AA 134		.0271				
WDG 2B3. 900 Ω	NC	1890				
WDG 1B4. 2000 Ω		.0199				
GS	0	740	660	2	TEST IN SERIES WITH 500 Ω. ALL MAKES MUST CLOSE BEFORE ANY BREAKS OPEN & SPGS. 5 & 6 MUST BREAK BEFORE OTHER BREAKS OPEN.	
PC NO. 911 SPK 23AC 268		.034	.036			
WDG 2B3. 230 Ω	NO	1060	1190			
WDG 1B4. 230 Ω		.028	.026			
PC NO.						INS. SPGS. 5 & 6 OF RLY. GS. INS. SPGS. 11 & 12 OF RLY. GD. POS. TO COIL TERM. #2.
WDG 2B3.						
WDG 1B4.						
PC NO. 916 CAA 23AM 107		.008		2	REMOVE LEADS FROM COIL TERM. #2. GRD. TO COIL TERM. #3. NEG. TO COIL TERM. #2.	
WDG 2B3. 2000 Ω	NO	10500				
WDG 1B4. 2800 Ω		.004				
PC NO. 916 CCA 23AM 107		.008		2	REMOVE LEADS FROM COIL TERM. #2. GRD. TO COIL TERM. #3. NEG. TO COIL TERM. #2.	
WDG 2B3. 2000 Ω	NO	10500				
WDG 1B4. 2800 Ω		.004				
PC NO. 911 GGA 24AZ 172		.038		2	NEG. BAT. TO COIL TERM. #3. POS. TO SPG. 2 OF RLY. #6.	
WDG 2B3. 160 Ω	NO	1510				
WDG 1B4. 250 Ω		.030				
M1-M5	0	1670		2	POS. TO COIL TERM. #2 OF RLY. UNDER TEST.	
PC NO. 911 MCA 23CF 125		.020				
WDG 2B3. 825 Ω	NO	2120				
WDG 1B4. 3000 Ω		.017				
M6	0	1670		2	REMOVE LEADS FROM COIL TERM. #2. POS. TO COIL TERM. #2.	
PC NO. 911 MCA 23CF 125		.020				
WDG 2B3. 825 Ω	NO	2120				
WDG 1B4. 3000 Ω		.017				

DR.
 CH. DATE 6.17.65
 EN. HHA APPR. ABNA
 AUTOMATIC ELECTRIC CO.
 NORTHLAKE, ILLINOIS

CKT. - H-850603-A
 SEE SH. ADJ. SH. 2
 ISSUE 1.

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