



2417 Correction Module Installation

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General Information

Description

The Rauland 2417 Correction Module accepts serial data from the Master Clock and controls the power supply for the digital secondary clocks.

The Correction Module also allows corrections in time-control systems that use both digital and analog secondary clocks. One module is required for each twenty-five digital secondary clocks. It can be mounted inside either

the 2415 (see KI-1356) or the 2416 (see KI-1355) Power Supply. A schematic of the 2417 is also attached.

Parts

The 2417 consists of the following:

Qty.	Description	Rauland Part No.
4	Circuit-Board Support	QP0656-1
1	Circuit-Board Assembly	VC7044

Installation

Refer to Figure 1 for either the 2415 or the 2416.

Step 1. Make sure that the AC power to the master clock is disconnected.

Step 2. Remove the three WA6 screws securing the AN1006 cover, then remove the cover.

Step 3. Insert the four QP0656-1 circuit board supports into the four holes of the adapter module.

Step 4. Align the adapter module, with its foil side towards the inside of the chassis, opposite the transformer. Snap the circuit board supports into the four holes in the chassis wall.

Step 5. Refer to the wiring diagrams in either KM0609 (2415) or KM0610 (2416) for related wiring information and make the electrical connections. Select a knockout for the electrical wiring.

Step 6. Replace the AN1006 cover and fasten it with the three WA6 screws you removed in Step 2. Depress the circuit breaker several times to be sure it does not bind after the cover is replaced.

Step 7. Program the Master Clock according to normal procedures provided in its manual.

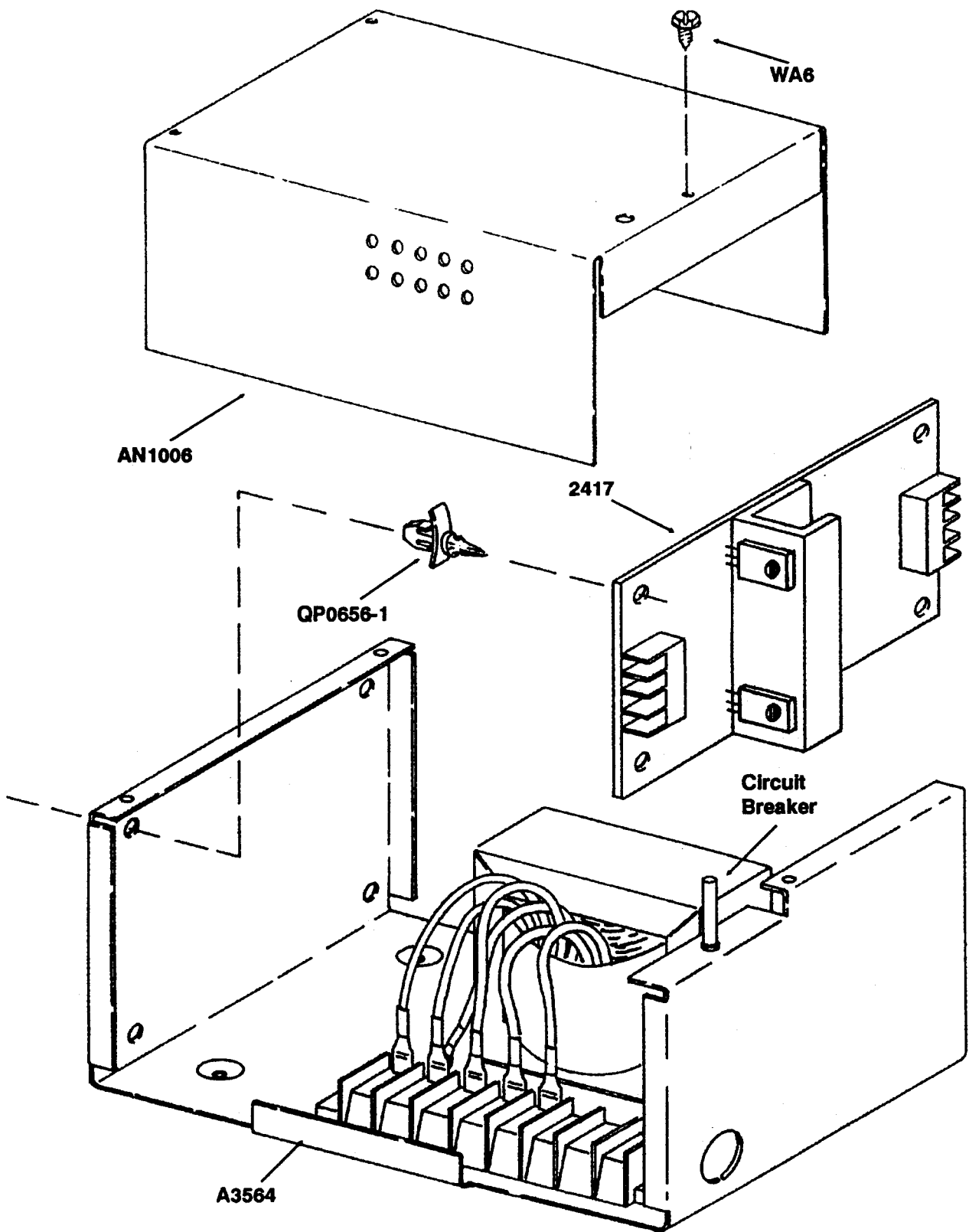
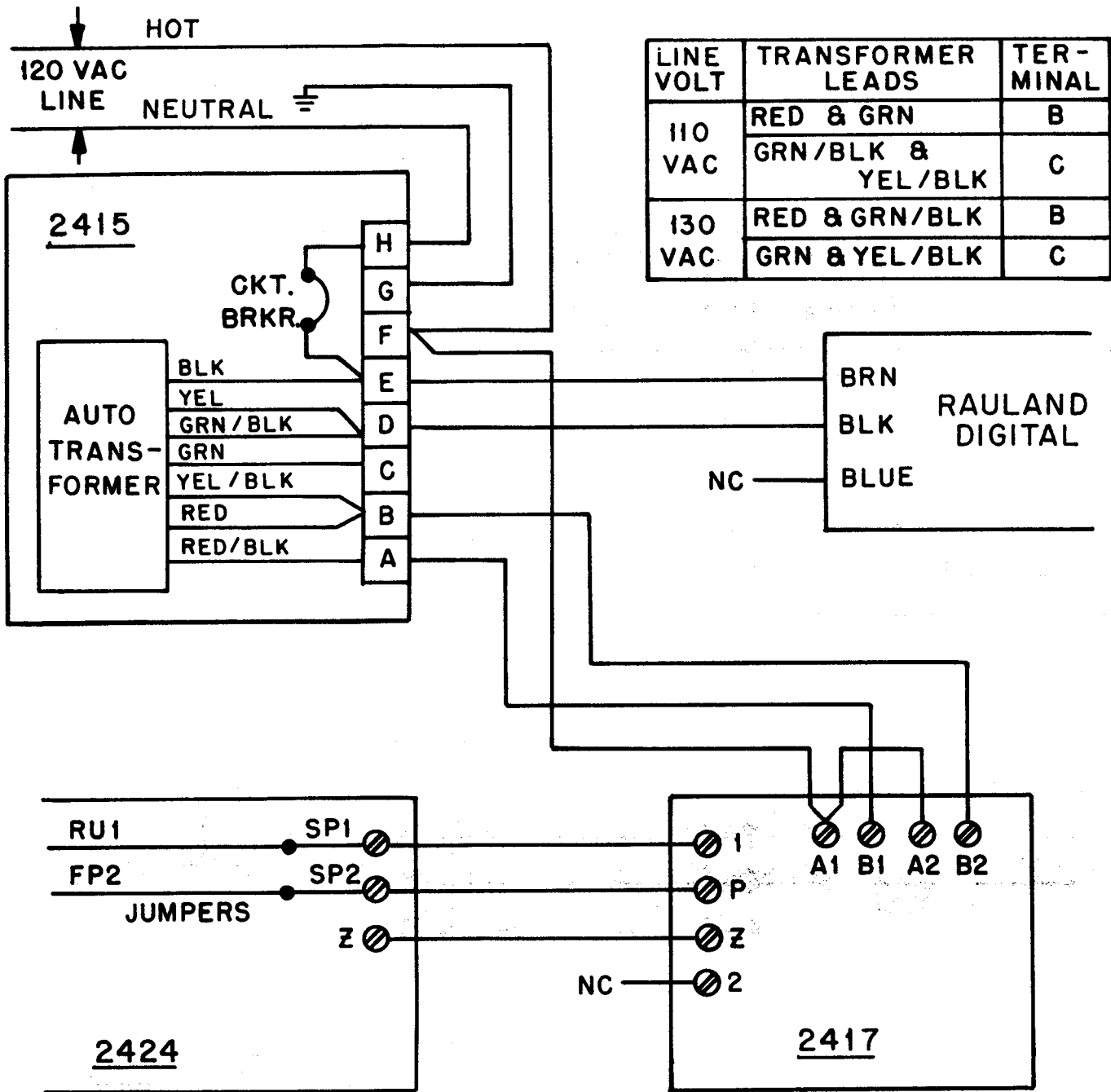


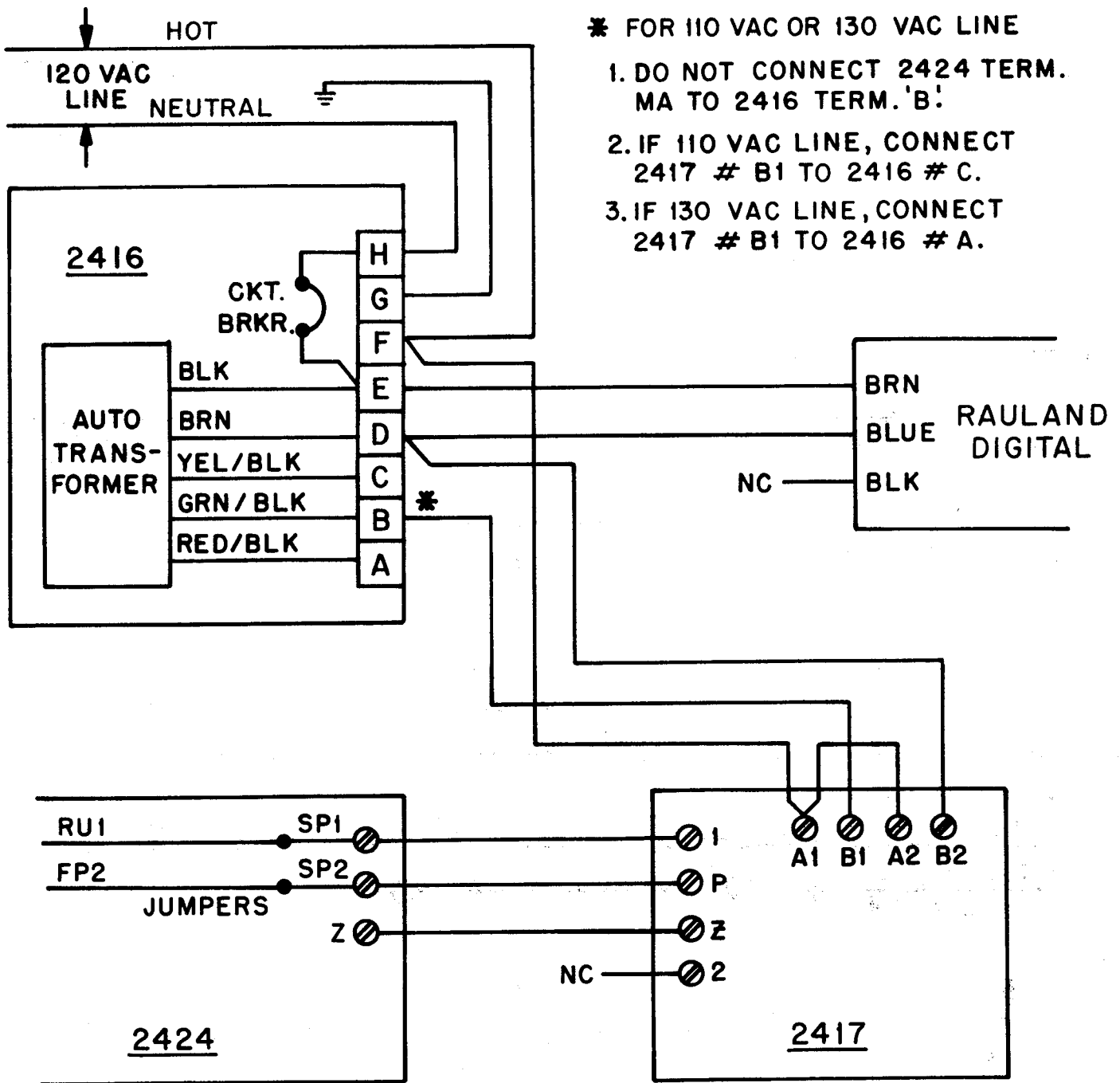
Figure 1. 2417 Module Installation.



LINE VOLT	TRANSFORMER LEADS	TERMINAL
110 VAC	RED & GRN	B
	GRN/BLK & YEL/BLK	C
130 VAC	RED & GRN/BLK	B
	GRN & YEL/BLK	C

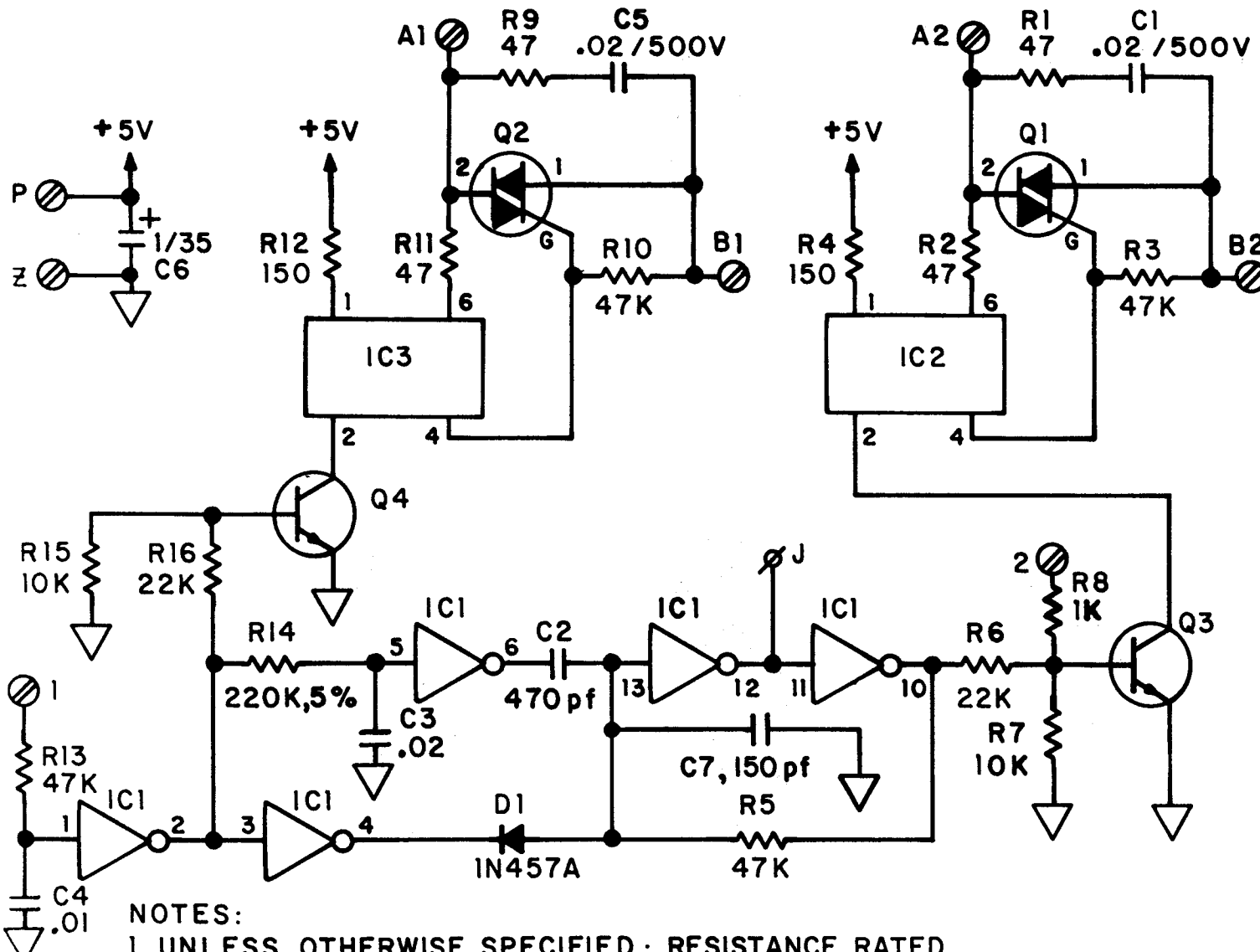
JUMPER REQUIRED	CORRECTION
ON ZRM BOARD PUT TWO JUMPERS FROM RUI TO SPI, AND FP2 TO SP2.	<ul style="list-style-type: none"> ● CORRECTION EVERY 12 HOURS AT 12:01 ● CORRECTION WHEN TIME IS SET ● CORRECTION AFTER POWER FAILURE ● DAYLIGHT SAVING UPDATING

CONNECTING THE 2417 TO A 24-VAC SYSTEM



JUMPER REQUIRED	CORRECTION
ON ZRM BOARD PUT TWO JUMPERS FROM RU1 TO SP1 AND FP2 TO SP2.	<ul style="list-style-type: none"> • CORRECTION EVERY 12 HOURS AT 12:01 • CORRECTION WHEN TIME IS SET • CORRECTION AFTER POWER FAILURE. • DAYLIGHT SAVING UPDATING

CONNECTING THE 2417 TO A 120-VAC SYSTEM



KC-1429		B
8-2-82		
ISS.	CHANGE	
A	Q3, Q4, WERE ETSO14A. 8-1-83	
B	C1, C5 WERE .022 8-5-83	

- NOTES:
1. UNLESS OTHERWISE SPECIFIED: RESISTANCE RATED IN OHMS $\pm 10\%$ K=1,000 M=1,000,000.
 2. CAPACITANCE RATED IN MICROFARADS. pf=PICOFARAD
 3. RESISTORS ARE 1/4 WATT.

COMPONENT	Q1, 2	Q3, 4	IC1	IC2, 3
TYPE	ETSC146B	ETMPS6515	EC0078	EC0127

MODEL 2417
ADAPTER MODULE
 RAULAND-BORG
 CHICAGO, ILL.
 MADE IN U.S.A.
 KC-1429 **B**