

J87224 RECTIFIER
ERROR DETECTOR CARDS
PIECE-PART DATA

1. GENERAL

1.01 This section provides the necessary information for ordering replacement error detector cards associated with the J87224A1 and J87224B1 rectifiers.

1.02 List numbers have not been assigned for the complete error detector cards; therefore to obtain replacements it will be necessary to order the individual components from the Western Electric Merchandise Department.

1.03 Part 2 of this section covers the component numbers and the corresponding names of components.

2. REPLACEMENT PARTS

2.01 *Error Detector Card With Smoother Operation Feature (SD-81593-01 Option A):* See Table A.

2.02 *Error Detector Card Without Smoother Operation Feature (SD-81593-01 Option B):* See Table B.

3. REPLACEMENT PROCEDURES

3.01 In the event that a component on the error detector card fails, it is recommended that the card be replaced by a new unit. The defective component can then be located, ordered, and replaced without interfering with service.

3.02 To remove an error detector card, remove the wires connected to the terminal board, making sure to mark and insulate the ends of the wires. Use a 4-inch E screwdriver with a 1/4-inch blade to remove the four BHM screws holding the mounting brackets. Install the new card with the four screws removed from the defective card and connect the wires to the terminal board.

3.03 Reference to Section 032-173-301 will aid in testing and replacing the semiconductors used in the error detector cards.

TABLE A

P-40X519 PANEL ASSEMBLY E/W

QUANTITY USED IN CIRCUIT	CODE	CIRCUIT DESIGNATION
1	KS-14986 Pot. 500 Ohms	R9
1	KS-16752 L-6 Pot. 2000 Ohms	R11
3	420A Diode	D7, D8, D9
1	420G Diode	D10
3	426M Diode	D11, D12, D13
1	146A Res 383 Ohms	R10
1	145A Res 562 Ohms	R12
1	KS-16266 L-2C Res 8870 Ohms	R13
1	KS-16266 L-1C Res 2610 Ohms	R14
1	146A Res 12100 Ohms	R21
1	17A Thermistor	TH1
1	146A Res 100 Ohms	R35
1	146A Res 10,000 Ohms	R36
1	16F Transistor	Q1
1	KS-16390 L-1 Capacitor 25 mfd	C8
4	P181248 BHM Screws	

TABLE B

P-41V447 PANEL ASSEMBLY E/W

QUANTITY USED IN CIRCUIT	CODE	CIRCUIT DESIGNATION
1	KS-14986 Pot. 500 Ohms	R9
1	KS-16752 L-6 Pot. 2000 Ohms	R11
3	420A Diode	D7, D8, D9
1	420G Diode	D10
3	426M Diode	D11, D12, D13
1	146A Res 383 Ohms	R10
1	145A Res 562 Ohms	R12
1	KS-16266 L-2C Res 8870 Ohms	R13
1	KS-16266 L-1C Res 2610 Ohms	R14
1	146A Res 12,100 Ohms	R21
1	17A Thermistor	TH1
4	P181248 BHM Screws	