

SELECTABLE 75/100 PERCENT COLOR BAR OPTION

I. APPLICABILITY

All ADO Test Generators, Part Number 1420458 (NTSC), Part Number 1464371 (PAL), and 1464378 (PAL-M).

II. PURPOSE

To install Switch Selectable 75/100 percent saturated Color Bars Test Signal.

III. DISCUSSION

A simple modification to the Digital Test Signal Generator PWA, Schematic 1420458, will allow either the standard 75 percent, or for test purposes, a 100 percent saturated Color Bars Test Signal to be selected.

NOTE: The alignment and fault-finding procedures described in the manual will remain unchanged as long as the switch is in the 100 percent position.

IV. PARTS REQUIRED

Parts required for this update may be purchased through Ampex. Installation assistance can be obtained through your local Ampex regional office at current Ampex Field Engineering rates.

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IV. PARTS REQUIRED

<u>Ampex Part Number</u>	<u>Description</u>	<u>Quantity</u>
120-967	Switch, toggle, SPDT, PC Mount.	1
066-665	Resistor, CF, 1K Ohm, 1/4W, 5%	1
1464240-03	IC, Prom, 87S181, Ref. 3C	1
1464243-03	IC, Prom, 87S181, Ref. 3F	1
1464367-03	IC, Prom, 87S181, Ref. 3C	1
1464368-03	IC, Prom, 87S181, Ref. 3F	1

For PAL units, substitute the following PROM'S:

1464367-03	IC, Prom, 87S181, Ref. 3C	1
1464368-03	IC, Prom, 87S181, Ref. 3F	1

For NTSC/PAL-M units, substitute the following PROM'S:

1464240-03	IC, Prom, 87S181, Ref. 3C	1
1464243-03	IC, Prom, 87S181, Ref. 3F	1

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V. PROCEDURE

1. Mount the new switch on the other side of S1 in a position corresponding to that of S2. Use the same hole pattern for the drilling. The center terminal may be soldered directly to the ground plane.
2. Mount the 1K resistor onto the PC Board at the rear of the new switch.
3. Remove and discard the -01 PROM's at positions 3C and 3F.
4. At position 3F, on the component side of the board, open the ground connection at Pin 21. The cut will have to be made just adjacent to, and somewhat beneath the socket.
5. Connect position 3C, on the circuit side of the board, open the ground connection at Pin 21.
6. Connect the switch, pull-up resistor, and PROM 3C & 3F sockets - Pin 21 as shown in Figure 1.
7. Install the -03 PROM's.
8. Update schematic to reflect changes made.

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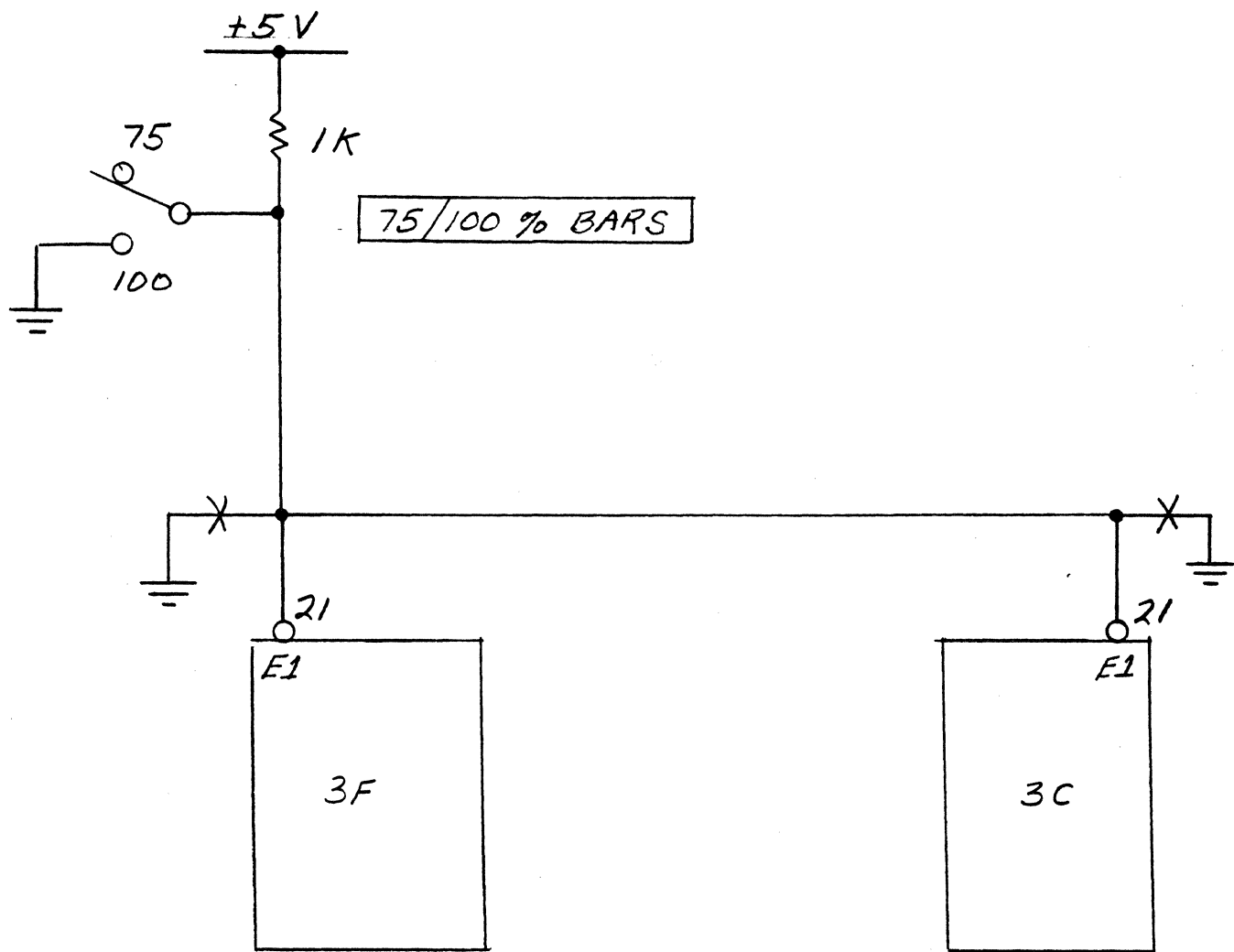


Figure 1

Ref. Schematic 1420460