

43 TELEPRINTER 5-LEVEL PAPER TAPE POWER SUPPLY

TROUBLESHOOTING

1. GENERAL

1.01 This section provides troubleshooting information for the 43 Teleprinter 5-Level Paper Tape Power Supply.

1.02 Whenever this section is reissued the reason will be listed in this paragraph.

1.03 Power supply troubleshooting is initiated by the 43 Teleprinter 5-Level Paper Tape Unit Troubleshooting, Section 574-504-300 when trouble in the power supply is suspected from symptoms observed.

1.04 Analysis in this section is limited to isolating the trouble within the power supply, up to its electrical interface at the logic card. The power supply must be tested as part of 43 PTU, refer to Section 574-504-500. Where analysis indicated the trouble is not in the power supply, return to Section 574-504-300 Troubleshooting for further analysis.

1.05 When a trouble is verified to be in the power supply (by replacement of the power supply) this section should be used to help

isolate the trouble to any replaceable components to correct the trouble. The power supply is returnable to the Western Electric Service Center for repair as a component 412396. Pack in carton that was used to pack replacement power supply.

1.06 Isolation and correction of troubles is based on electrical and mechanical checks and parts replacement.

Reference sections are:

574-508-400	Wiring
574-508-720	Disassembly/Reassembly
574-508-800	Parts

1.07 Trouble analysis is presented in the form of a "20 Questions" type of routine in paragraph 2. TROUBLESHOOTING GUIDE. The guide, with questions and yes and no columns, should be used always starting with first questions and proceeding according to the "yes" and "no" directive.

1.08 When ordering, replaceable parts, unless otherwise specified, prefix each part number with the letter "TP" (ie, TP410047).

2. TROUBLESHOOTING GUIDE

QUESTION	YES	NO
<p>1 Do indicators on mode switch (POWER PUNCH, READER) light? Power cord for PTU plugged in, power available, power switch on, PTR-LOCAL/NORM switch in PTR-LOCAL position and option switch 4-ON.</p>	Go to 1C.	Go to 1B.
<p>1A Does punch indicator lamp blink when tape roll is reduced to 25 ft. or less?</p>	Go to 1B.	<p>Check low-tape switch adjustment.</p> <p>Check low-tape switch.</p> <p>Replace if defective.</p>
<p>1B Disconnect power supply connector (P-501) from logic card and measure for +5Vdc, -5Vdc, -12Vdc and +15Vdc. (Refer to Section 574-508-400 for pin assignments.)</p> <p>Are any voltages present?</p>	Go to 1C.	<p>Check ac cord connections.</p> <p>Check fuse F2, F3, F4 and replace if blown. Replace power supply if fuses blow again. Replace power supply.</p>
<p>1C Are all voltages present?</p>	Go to Section 574-504-300 for further analysis.	<p>Check mode switch replace if defective.</p> <p>Replace logic card.</p> <p>Replace power supply.</p>