

43 TELEPRINTER 5-LEVEL PAPER TAPE READER ASSEMBLY

TROUBLESHOOTING

1. GENERAL

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

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

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

1.04 Analysis in this section is limited to isolation of the trouble within the reader, up to its electrical interface to the PTU set logic card. Where analysis indicates the trouble is not in the reader return to Section 574-504-300 for further analysis.

1.05 When ordering replaceable parts, unless otherwise specified prefix each part number with the letters "TP" (ie, TP430047).

1.06 The 412280 Reader (5-Level) is returnable to Western Electric Service Center for repair.

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

Reference sections are:

574-506-400	Wiring
574-504-720 and	
574-506-720	Disassembly/Reassembly
574-504-800 and	
574-506-800	Parts

1.08 A voltmeter is required for measuring voltages or checking continuity.

1.09 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 column, should be used always starting with the first question and proceeding according to the "yes" or "no" directive.

2. TROUBLESHOOTING GUIDE

QUESTION	YES	NO
1. Does operation of tight tape arm cause reader to stop sensing tape and cause indicator lamp to flash?	Go to 2.	<ul style="list-style-type: none"> •Check tight tape bail adjustment •Check connectors •Replace mode switch •Replace reader
2. Does operation of tape out lever cause reader to stop sensing tape and cause indicator lamp to flash?	Go to 3.	<ul style="list-style-type: none"> •Check tape out lever adjustment •Check connectors •Replace mode switch •Replace reader
3. Does reader sense characters in tape properly (tape checked OK for ten holes to the inch)?	Go to 4.	<ul style="list-style-type: none"> •Check tape lide is secure (loose spring) •Check adjustments <ul style="list-style-type: none"> (Reader feed wheel adjustment) (Transport tape position adjustment) (Feed pawl-pole face gap adjustment) (Feed pawl and ratchet wheel adjustment) •Check connectors •Replace reader circuit cards •Replace reader
4. Does reader step and sense character-at-a-time correctly, when Step and Skip switches are operated?	Go to Section 574-504-300.	<ul style="list-style-type: none"> •Check connectors •Check switch •Replace mode switch •Check adjustments <ul style="list-style-type: none"> (Reader feed wheel adjustment) (Transport tape position adjustment) (Feed pawl-pole face gap adjustment) (Feed pawl-ratchet wheel adjustment) •Replace reader