

43 BUFFERED KEYBOARD
TROUBLESHOOTING

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1. GENERAL

1.01 This section provides troubleshooting information for the 43 Buffered Keyboard.

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

1.03 Keyboard troubleshooting is initiated by the 43 Teleprinter 5-level Buffered Selective Calling (BSC) station, 43 Teleprinter 8-level Buffered Selective Calling (BSC) station or 43 Teleprinter 8-level Buffered Send/Receive (BSR) station Troubleshooting Sections 574-500-304, 574-500-303 or 574-500-302 or when trouble in the keyboard is suspected from symptoms observed.

1.04 Analysis in this section is limited to isolating the trouble within the keyboard up to its electrical interface at the logic card. The 43 keyboard must be tested as part of a 43 Buffered Teleprinter. Refer to Section 574-500-502, 574-500-503 or 574-500-504. Where analysis indicates the trouble is not in the key-

board, return to the 43 Buffered Teleprinter Troubleshooting Section 574-500-302, 574-500-303 or 574-500-304 for further analysis.

1.05 When a trouble is verified to be in the keyboard (by replacement of the keyboard) this section should be used to help isolate the trouble to any replaceable components to correct the trouble.

1.06 The keyboards are returnable to the Western Electric Service Center for repair as a unit. Pack in carton (using conductive plastic bag) that was used to pack replacement keyboard. High voltage static discharge can damage keyboard circuitry. The 346392 wrist strap is available to ground service personnel.

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

Reference sections are:

| | |
|-------------|------------------------|
| 574-502-401 | Wiring |
| 574-502-720 | Disassembly/Reassembly |
| 574-502-800 | Parts |

1.08 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 the first question and proceeding according to the "yes" or "no" directive.

2. TROUBLESHOOTING GUIDE

| QUESTION | YES | NO |
|--|--|---|
| 1. Does keyboard pass the Keyboard Test shown in the appropriate How to Operate Manual, IF TROUBLE OCCURS section? | Go to 2. | Go to 1a. |
| 1a. Do any indicators light during keyboard test? | Check continuity of indicator that doesn't light. If defective replace. If ok go to 1b. If light doesn't turn off go to 1b. | Check continuity of all leads of cable. Replace keyboard. |
| 1b. Exit test mode. Does keyswitch used to light or extinguish indicator, function properly? (Local Function) | Replace keyboard. | Replace keyswitch. |
| 2. Does the CAPS LOCK key (if present) fail to latch down when depressed or release up when depressed again? | Replace keyswitch. | Go to 3. |
| 3. Does any keyboard key fail to generate the proper character or function? | Go to 3a. | Undefined trouble. Go to Buffered Teleprinter Troubleshooting. |
| 3a. Does the key fail in all modes? (Shift, Unshift, Ctrl, Caps Lock etc. if keys are present.) | Replace keyswitch. Replace keyboard. | Replace keyboard. |