

43 TELEPRINTER 8 LEVEL BUFFERED SELECTIVE CALLING (BSC) STATION

GENERAL DESCRIPTION

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1. GENERAL

1.01 This section provides a general description of the 43 Teleprinter 8 Level Buffered Selective Calling (BSC) Station.

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

1.03 When ordering replaceable components, unless otherwise specified, prefix each part number with the letters "TP" (ie, TP410405).

2. DESCRIPTION

2.01 The 43 BSC Station, consists of a KP set (Keyboard Printer) and a controller housed in the bustle. See Fig. 1.

2.02 The 43 BSC is available as a friction feed or tractor feed teleprinter containing a 16,000 character buffer. See Fig. 1.

2.03 These teleprinters utilize a matrix impact printer, a keyboard with numeric pad and both nonvolatile and volatile memories. They are intended for application in the existing or new selective calling systems using 8-level ASCII code (1968). Data transmission is asynchronous or isochronous, half-duplex (or full duplex on received interrupts only) or 2- or 4-wire multipoint private lines.

2.04 An auxiliary port at the right rear of the teleprinter can support a DATASPEED® 40 ROP, a 43 RO teleprinter or a 43 BSC optioned as an auxiliary terminal.

2.05 On-line speeds can be optioned for asynchronous operation on the line port at baud rates of 110, 150, 300, 600, 1200, 1800 and (when optioned as an auxiliary printer terminal) 2400 baud. Isochronous operation at 0 to 2400 baud (dependent on clocks provided by the data sets) can be optioned at the line port only. On the auxiliary port asynchronous baud rates of 110, 300, 1200 and 2400 can be optioned. Both line and auxiliary ports satisfy voltage requirements of EIA, RS-232C.

2.06 Tractor feed paper may be from 3 inch to 12 inch sprocket feed. The teleprinter requires paper with folds or horizontal perforations located midway between sprocket holes and standard sprocket hole size and spacing. This paper may be single-ply with 8-1/2 inch folds to provide 11 inch by 8-1/2 inch copy when the 1/2-inch wide sprocket hole strip is removed at the edge serrations. Other types of sprocket feed paper with different form lengths, lighter weight, no edge serrations or additional copies, etc, may also be used. Multicopy forms consisting of the original and two copies of 12 pound basic paper (using 8 pound basic carbon paper) produce clear copy. Paper for the 43 friction feed teleprinter should be standard 8-1/2 inches wide, single-ply, furnished in 5 inch maximum diameter rolls with a 1 inch diameter spindle hole.

2.07 Inking is provided by a readily replaceable cartridge with ribbon (430035), available from Teletype Corporation.

2.08 The 43 BSC teleprinter operates on 115 Vac \pm 10 percent, at 50 or 60 Hz. Power to the terminal is approximately 84 watts and is controlled by an on-off rocker switch located at the right rear of the housing.

2.09 The teleprinter weighs 32 pounds.

2.10 The 43 teleprinter 8-level (BSC) can be identified by its keyboard layout. See Fig. 2.

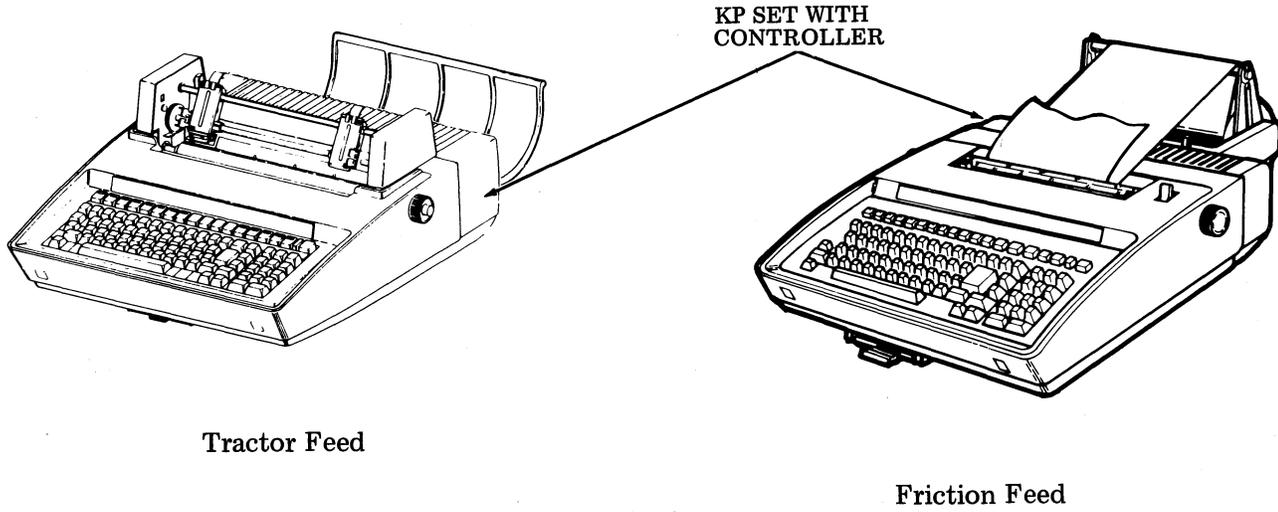


Fig. 1

3. KEYBOARD

3.01 The keytop arrangement is divided into three major groups according to function or purpose. They are the controls and indicators, the basic keyboard and the keyboard edit cluster and numeric pad.

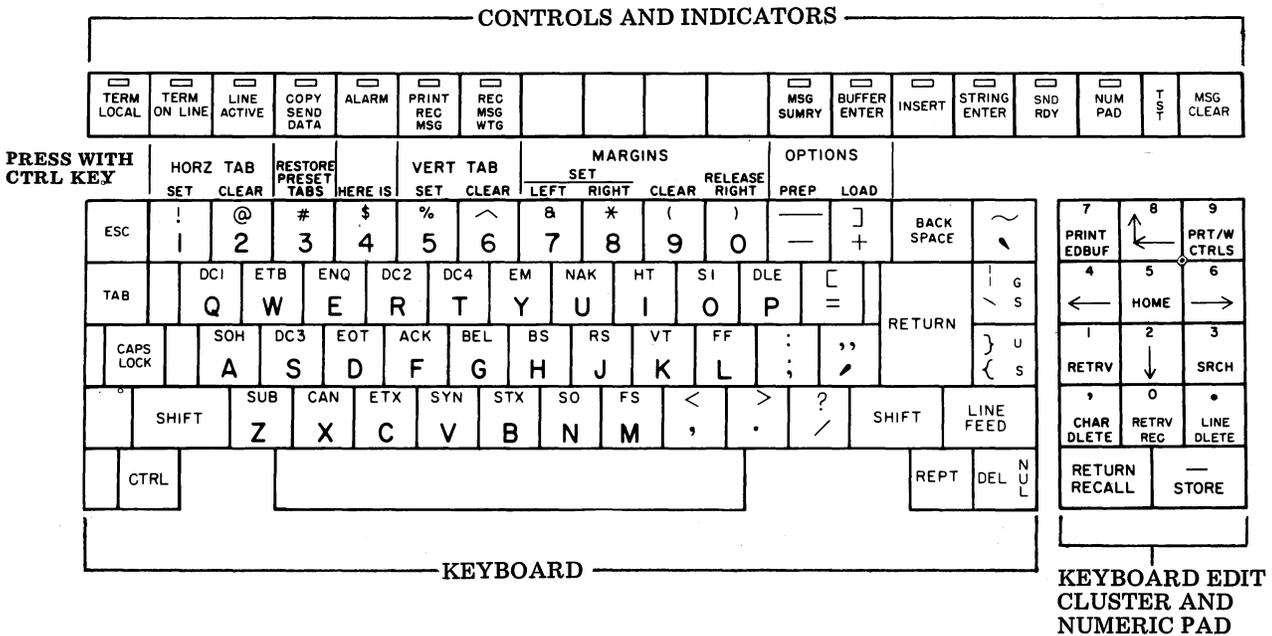


Fig. 2

3.02 The controls and indicators are described in Fig. 3.

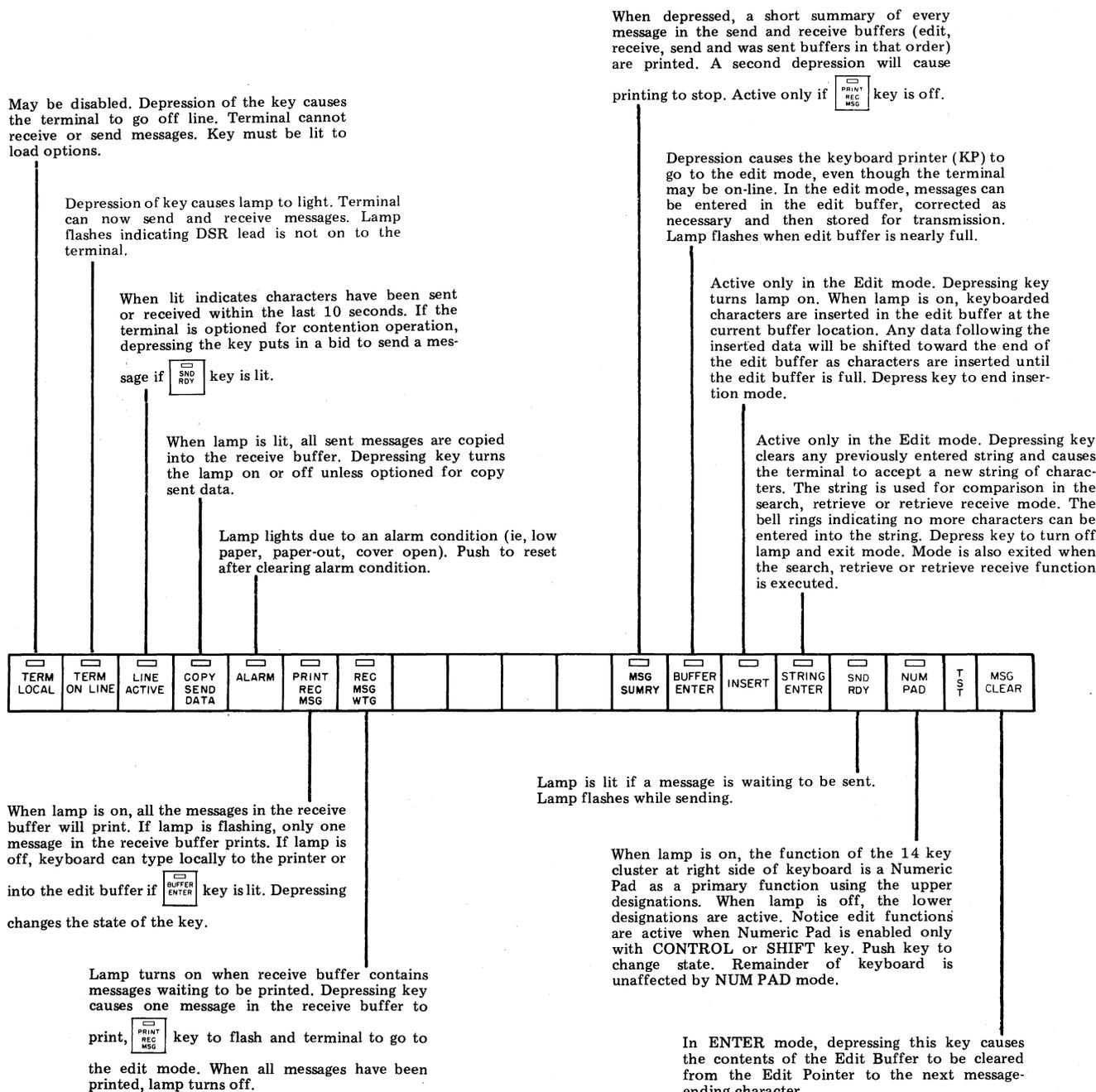


Fig. 3—Controls and Indicators

3.03 The basic keyboard layout is shown in Fig. 4 along with brief descriptions on the keyboard printer operation of several special keys.

ESC 1 (CTRL 1) — Sets horizontal tab stop at current printer column position.

ESC 2 (CTRL 2) — Clears all horizontal tab stops stored in the volatile memory.

ESC 5 (CTRL 5) — Sets vertical tab stop at current line position.

ESC 6 (CTRL 6) — Clears all vertical tab stops stored in the volatile memory.

ESC H — Prepares terminal to resend last message.

ESC 1 (lower case L) (CTRL 7) — Sets left margin.

ESC x (CTRL 9) — Clears left margin. CTRL 9 also clears right margin.

ESC y (CTRL 3) — Restores terminal to the preset horizontal and vertical tab values.

ESC 8 (CTRL 8) — Sets right margin, local function only.

ESC 0 (CTRL 0) — Releases right margin for current line, local function only.

Note: The escape sequence will be entered in the edit buffer if the  key is lit when the control character (if shown in parentheses) is operated locally. Right margin set (CTRL 8) and right margin release (CTRL 0) are local functions only and are not entered in the edit buffer.

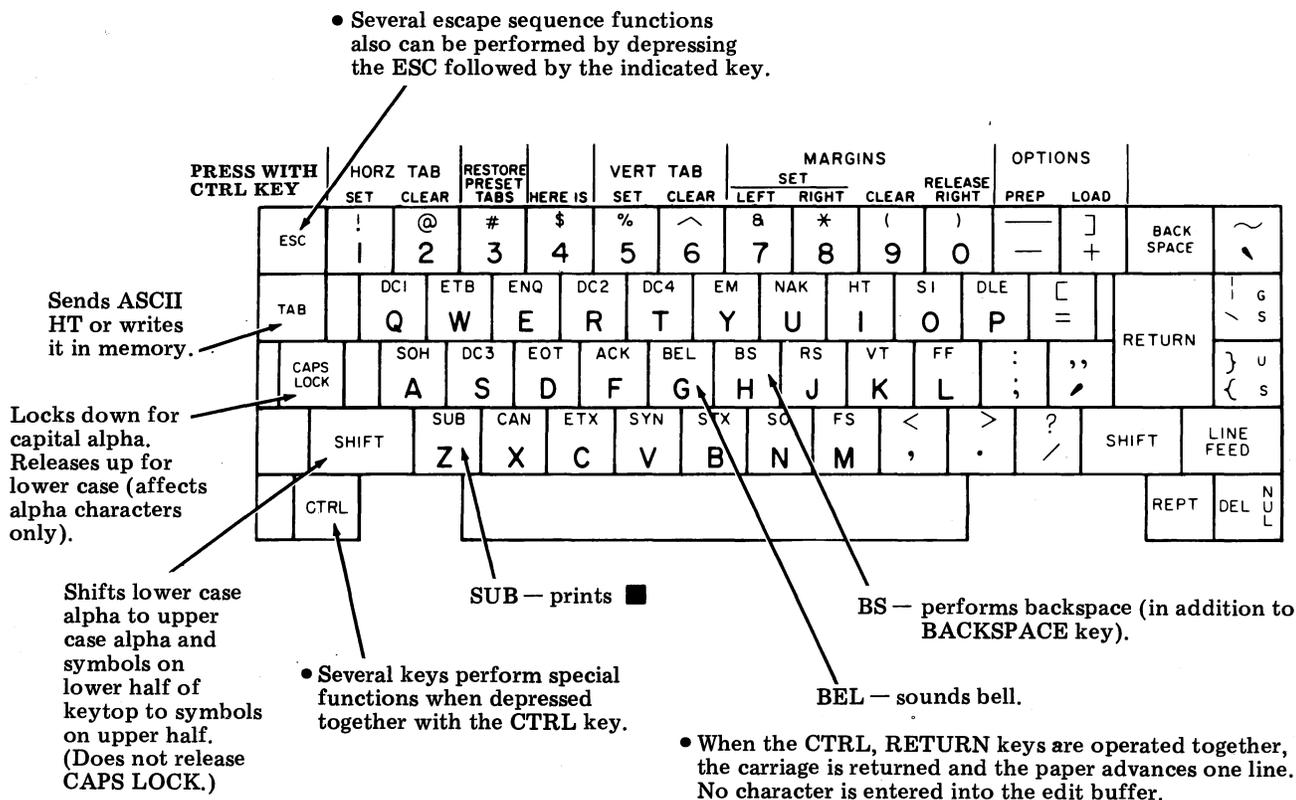


Fig. 4—Basic Keyboard Layout

3.04 The functions of the Numeric/Edit Pad are described in Fig. 5.

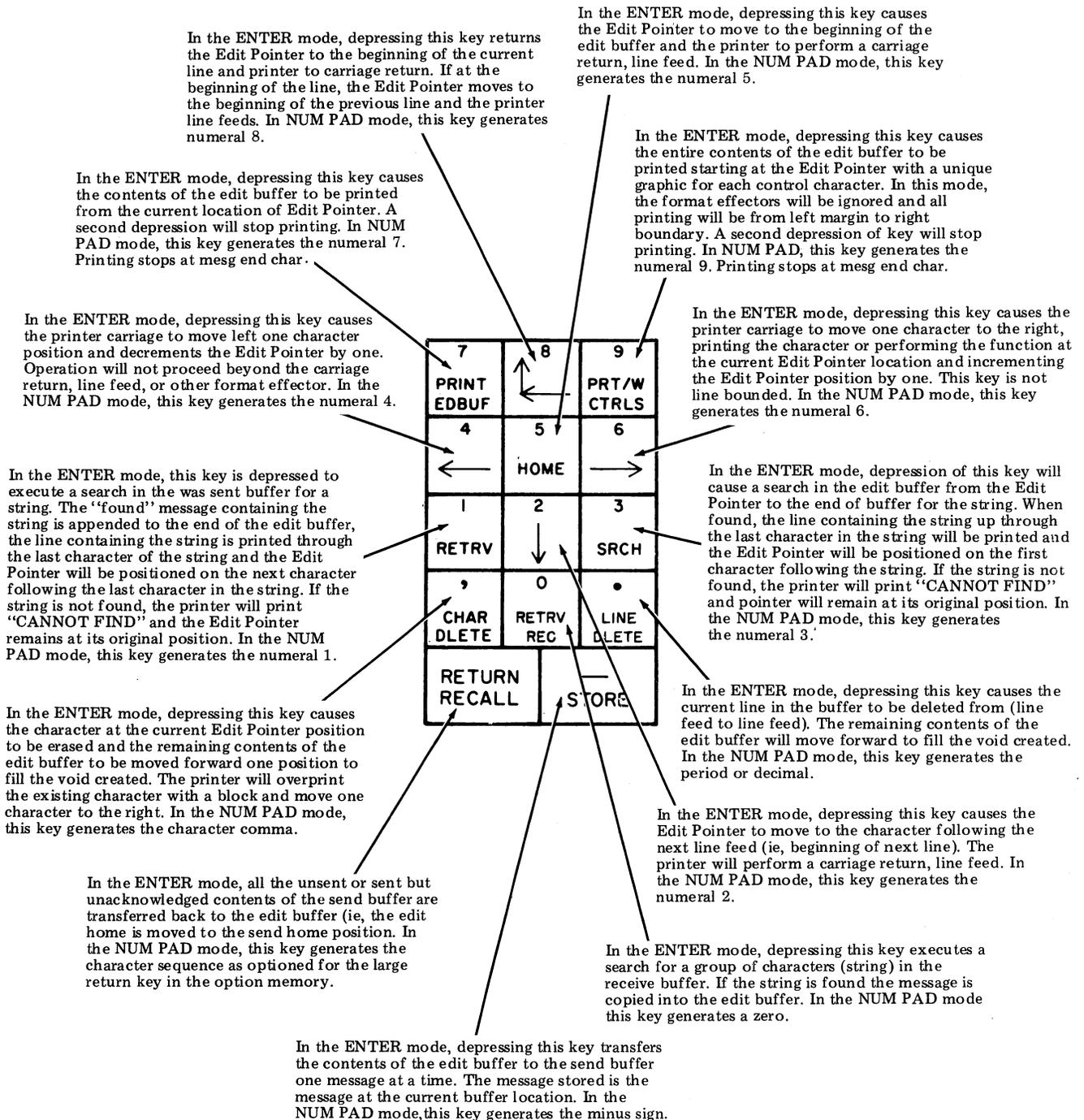


Fig. 5—Numeric/Edit Pad

SECTION 574-500-102

4. REFERENCES

- 4.01** How To Operate Manual 999-300-137 provides information on the operation of the 43 BSC Teleprinter.
- 4.02** Section 574-500 series provides all the necessary information for trained crafts personnel to install, maintain and if necessary, service all 43 teleprinters using recommended lists of maintenance spares.
- 4.03** Section 570-008-010 provides detailed specifications on the paper and ribbon.