

43 KSR STATIONS  
ENGINEERING OPTIONS

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1. GENERAL

1.01 This section provides information on engineering options for the 43 KSR Station.

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

1.03 The engineering options can be made to satisfy engineering requirements using switches located on the logic circuit card mounted on the bottom of the printer frame.

1.04 The options are numbered for field identification and record keeping purposes.

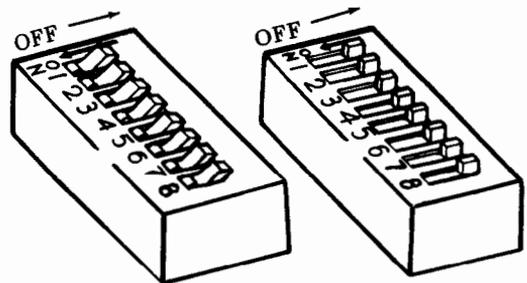
1.05 The operator console circuitry can be damaged by static discharge. The 346392 static discharge ground strap is available for use by service personnel.

1.06 When ordering replaceable components, unless otherwise specified, prefix each part number with the letters "TP" (ie, TP41055).

1.07 For additional servicing information, refer to Section 574-500-300, Station Troubleshooting and Section 574-503-700, Cabinet Adjustment.

OPTION SWITCHES

1.08 Different styles of option selecting switches may be present on the logic card. On toggle or slide type switches, options are activated by positioning the toggle or slide toward the positions indicated in Fig. 1.



Toggle Style

Slide Style

(Toggles and slides shown in OFF position.)

Fig. 1—Option Switches

1.09 The option switches on the logic circuit card are factory optioned and should not be changed unless the local engineering requirements specify incorporating a nonstandard option (Fig. 2).

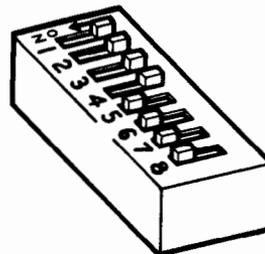


Fig. 2—Standard Switch Positions

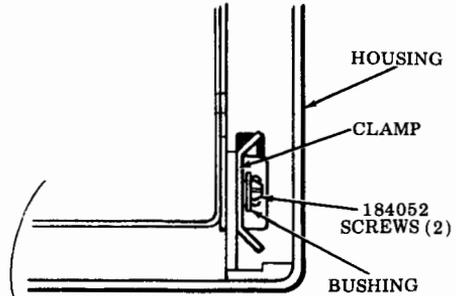
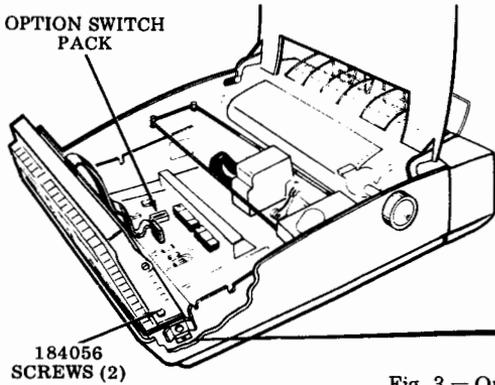


Fig. 3 — Option Switch Access

2. TOOLS REQUIRED

2.01 The following tools will be required to enable the engineering options. These items should normally be present in standard maintenance tool kits.

Wrench, open end	3/16" and 1/4"	129534
Screwdriver	1/4", 6" blade	100982
Static Discharge Strap		346392

3. ACTIVATING OPTIONS

- 3.01 Turn off ac power to the station.
- 3.02 Depress the two locking tabs on the lower front of the cabinet and open the cover.
- 3.03 Loosen the two 184056 screws (one each side) on the side frames securing the operator console in place (Fig. 3):
- 3.04 Loosen the two 184052 bushing clamp screws (one each side) and gently lift the rear edge of the operator console assembly, pivoting it forward on the front mounting pins (Fig. 3).

3.05 Locate the option switch pack SPD4 (Fig. 3) on the logic circuit card and activate the option switches in 4. ENGINEERING OPTIONS, as required by local engineering.

3.06 Reinstall the operator console, tighten the screws loosened in 3.03. Perform the KEYBOARD TO COVER ALIGNMENT adjustment in Section 574-503-700, Cabinet Adjustments and close the cabinet cover.

3.07 Remove the pull out directory card and record the nonstandard options incorporated in the terminal on the underside of the card. Check the appropriate square and briefly describe the enabled option(s) (Fig. 4).

3.08 Reinstall the directory card and turn on the ac power to the station.

3.09 Perform the options checkout procedure to verify proper operation of the non-standard option(s) installed. Refer to 5. for checkout procedures.

3.10 The checkout procedure in 5. provides information for checking nonstandard options only. Refer to Section 574-500-500 for Station Testing Procedures.

EXAMPLE:

STANDARD SWITCH POSITION	INSTALLATION DATE <u>11/4/76</u>
	INITIALS <u>W. H.</u>
	<input checked="" type="checkbox"/> CHECK NON STANDARD OPTIONS ENABLED
<input type="checkbox"/> 435	_____
<input checked="" type="checkbox"/> 434	<u>Cond. bit 8 Mark</u>
<input type="checkbox"/> 433	_____
<input checked="" type="checkbox"/> 432	<u>80 character line length</u>
<input type="checkbox"/> 431	_____

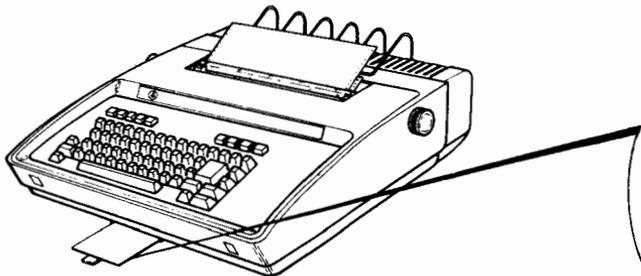


Fig. 4 - Directory Card

4. ENGINEERING OPTIONS

4.01 The example below provides information on how to set the options shown under option numbers 431. through 435.

Option No.	Option Suffix and Conditions	Option Definition	Switch Numbers				Switch on Circuit Card			
			SPD4							
			1	2	3	4	5	6	7	8
430.			1	2	3	4	5	6	7	8
a.			-	-	-	-	○	●	-	-
b.			-	-	-	-	○	●	-	-
c.			-	-	-	-	●	○	-	-
<i>EXAMPLE</i>										
431. Type Font Arrangement			SPD4							
			1	2	3	4	5	6	7	8
a.	Narrow numeric 0 and wide alpha O. Standard ^ and underline _		-	-	-	-	-	-	●	●
b.	Slash numeric 0 and wide alpha O. ^ prints as ↑ and _ prints as ←.		-	-	-	-	-	-	●	○
c.	Slash alpha 0 and wide numeric O. ^ prints as ↑ and _ prints as ←.		-	-	-	-	-	-	○	○
432. Line Length			SPD4							
			1	2	3	4	5	6	7	8
a.	132 Characters		-	-	-	-	●	●	-	-
b.	72 Characters		-	-	-	-	○	●	-	-
c.	80 Characters		-	-	-	-	●	○	-	-
433. EOT Disconnect			SPD4							
			1	2	3	4	5	6	7	8
a.	Disconnect on EOT		-	-	-	○	-	-	-	-
b.	Does not disconnect on EOT		-	-	-	●	-	-	-	-
434. Character Parity Bit Sent			SPD4							
			1	2	3	4	5	6	7	8
a.	Even Parity		-	-	○	-	-	-	-	-
b.	8th Bit Mark		-	-	●	-	-	-	-	-
435. End-of-Line on Receive			SPD4							
			1	2	3	4	5	6	7	8
a.	Auto CR-LF performed		○	-	-	-	-	-	-	-
b.	Bell & Print Inhibit at last char. position		●	-	-	-	-	-	-	-

- Indicates toggle or slide position to ON.
- Indicates toggle or slide position to OFF.
- Position of switch does not affect option.
- \* Factory furnished state of option.

## 5. OPTION CHECKOUT

CHECK	PROCEDURE	RESPONSE
OPTION 431.b. & c.	Depress and hold PRINTER TEST key.	Characters printed as in Fig. 5. Bell sounds at end of each line.
OPTION 432.b. & c.	Depress and hold PRINTER TEST key.	Line length will be: 432 b -- 72 characters 432 c -- 80 characters Characters printed as in Fig. 6. Bell sounds at end of each line.
OPTION 433. b.	Depress DUPLEX key to down position (FULL DUPLEX). Depress AUTO ANS key.  Depress ESC key. Hold SHIFT key depressed and depress  key.  Depress the following keys: ABC Hold CTRL key depressed and depress  key.	AUTO ANS turns on (if not already on). AUTO ANS goes off. DATA turns on. ALARM flashes.  Printer will print ABC. DATA remains on (does not flash). AUTO ANS remains off (does not flash) as EOT key is depressed.
OPTION 434. b.	Depress DUPLEX key to down position (FULL DUPLEX).  Depress AUTO ANS key. Depress ESC key. Hold SHIFT key depressed and depress  key. Depress and release PARITY key to up position (PARITY ON). Place CAPS LOCK key in down position. Depress the following keys:  PARITY TEST	AUTO ANS turns on (if not already on) AUTO ANS goes off. DATA turns on. ALARM flashes.  Printer will print:  ■ ■ R I I ■   E ■
OPTION 435. b.	Place DUPLEX key in down position (FULL DUPLEX).  Depress AUTO ANS key. Depress ESC key. Hold SHIFT key depressed and depress  key. Depress REPT and K keys. Hold down until end of line is reached.	AUTO ANS turns on (if not already on). AUTO ANS goes off. DATA turns on. ALARM flashes. Characters will be printed until end of line is reached. Automatic return and line feed will not be performed. Bell will sound continuously until keys are released.

Note: Options 433, 434, and 435 - Depress LOCAL - TALK key to terminate checkout procedure.

