BELL SYSTEM PRACTICES AT&TCo Standard

43 FRICTION AND SPROCKET FEED PRINTER

DISASSEMBLY/REASSEMBLY

	CONTENTS	PAGE
1.	GENERAL	1
2.	TOOLS REQUIRED	2
3.	DISASSEMBLY/REASSEMBLY	3
	PRINT HEAD WITH COVER	3
	SPACING MOTOR BELT	6
	SIGNAL BELL	6
	SPACING MOTOR WITH CABLE AND ENCODER	8
	LINE FEED MOTOR	10
	PLATEN	12
	LEAD SCREW	14
	CARRIAGE WITH POST ASSEMBLY	15
	LEAD SCREW NUT	15
	COLLAR WITH LINK	16
	PAPER TRAY	16
	PAPER GUIDES	20

1. GENERAL

1.01 This section covers disassembly and reassembly procedures for the 43 Friction and Sprocket (Pin) Feed Printer.

1.02 This section is reissued to change the title and update some of the disassembly procedures.

1.03 The printer is not considered a field replaceable item. Any trouble can be corrected by adjustments or by replacement with maintenance spares.

1.04 Procedures are provided to remove individual assemblies and parts and are

intended to directly access any assembly or part, insofar as possible, without total disassembly of the unit.

1.05 When removing a subassembly or part from the printer, follow the removal procedure and note the sequence of removal to enable proper reassembly. For reassembly, reverse the procedure except where different instructions are given. Perform any adjustments indicated using Section 574-501-700.

1.06 Disassembly of printer parts except the print head will require the removal of the set housing and rear frame. Refer to Teleprinter Disassembly/Reassembly, Section 574-500-720 for set housing and rear frame removal and replacement procedures.

1.07 Disassembly of the printer motors will require the removal of the logic card.

1.08 Disassembly of the printer lead screw, carriage with post assembly, lead screw nut(s), and collar with link will require the removal of the keyboard, if present.

1.09 After replacing printer parts, refer to the lubrication procedures in Section 574-501-710 and lubricate any parts requiring lubrication.

1.10 Some parts that are not listed in the parts sections are shown as necessary to the disassembly procedures such as screws and ring retainers, etc. These parts are common to other Teletype Corporation product lines and if needed may already be available in field repair kits or can be ordered.

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

1.12 Reference in the procedures to left and right, up or down, and top or bottom, etc, refer to the printer in its normal operating position as viewed by the operator.

Prepared for American Telephone and Telegraph Company by Teletype Corporation ©1976, 1978, 1979 and 1981 by Teletype Corporation All rights reserved Printed in U.S.A. SECTION 574-501-720

.

.

2. TOOLS REC	QUIRED	Part No.	Description
2.01 The following tools may be required when performing the printer disassembly and reassembly procedures. Most of these items should normally be present in standard maintenance tool kits.		108285 110271 124682 125752 129534	Pliers, Long-Nose Wrench, Hex Key Wrench, Hex Key Wrench, 3/16 Inch Socket Wrench, Open End, 3/16 Inch
<u>Part No.</u> 75765 95368 100704 100982	Description Hook, Pull Spring Screwdriver, 1/8 Inch, 2 Inch Blade Screwdriver w/Clip, 10 Inch Blade Screwdriver w/Clip, 1/4 Inch 6 Inch Blade	$\begin{array}{c} 135676\\ 135677\\ 135678\\ 142554\\ 142555\\ 151392\\ 152835\\ 407326\\ \end{array}$	and 1/4 Inch Handle Bit, 1/4 Inch Socket Bit, 5/16 Inch Socket Hook, Pull Spring Hook, Push Spring Tweezers Wrench, Open End, 5/16 Inch and 3/8 Inch Extractor, I.C.

-

3. DISASSEMBLY/REASSEMBLY

PRINT HEAD WITH COVER

3.01 To remove the print head with cover:

Caution: When handling loose print heads, care must be taken to prevent print head cable connector pins from being bent.

Note: Print head removal and replacement is also shown in Teleprinter Disassembly/Reassembly, Section 574-500-720.

(8) Grasp print head and pull forward. Lift front of print head to disengage locking channels.

(Front View)



6) Move retaining clip on locking handle extension protruding from left side of carriage wall approximately 1/4 inch away from wall. (Pry with screwdriver.)



(9) Disengage print head from roll pin on end of link. Remove print head.







(10) Check that no connector pins are bent and carefully connect the print head cable plug to the logic card. Make sure cable does not touch left side frame when the carriage moves fully left.

(1) Install ribbon. (Refer to How To Operate Manual.)



SPACING MOTOR BELT

3.03 To remove the spacing motor belt:



SIGNAL BELL



(b) Late Design Arrangement





Note: In reassembly, make sure disc does not rub on encoder assembly.

Warning: Do not pull on metal disc edges as this will deform encoder disc causing it to rub against the encoder.

(b) 430441 Motor with cable and encoder.



Note: In reassembly, make sure disc does not rub on encoder assembly.

LINE FEED MOTOR

3.06 To remove the line feed motor:



Note: In reassembly, perform STOP BRACKET adjustment.

(c) With floating motor



PLATEN

3.07 To remove the platen:



- Note: In reassembly, position the setscrews away from the slot in the platen clip.
 - (b) Motor with tension arm.





Perform the <u>LEFT</u> and <u>RIGHT SPROCKET</u> adjustments and <u>PRINTED LINE POSITION</u> and <u>PLATEN</u> ENDPLAY adjustments.





CARRIAGE WITH POST ASSEMBLY



Page 15

COLLAR WITH LINK



Note 2: In reassembly, <u>LEFT AND RIGHT PAPER GUIDE</u> adjustments must be made. (Early Arrangement)



(b) Sprocket Feed (Intermediate Design) and Friction Feed (Early Design)

Page 17

(c) Sprocket Feed, Late Design





SECTION 574-501-720

PAPER GUIDES

- 3.13 To remove the paper guide:
 - Sprocket Feed, Early Design (a)

Note 1: Left and right guides are removed in a similar manner



Note 3: In reassembly, LEFT PAPER GUIDE adjustment must be made.



Note 3: In reassembly, RIGHT PAPER GUIDE adjustment must be made.

Page 20 20 Pages