43 FRICTION AND SPROCKET FEED PRINTER.

DISASSEMBLY/REASSEMBLY

	CONTENTS	PAGE	intended to directly access any assembly or part, insofar as possible, without total disassembly of the unit.	
1.	GENERAL	1		
2.	TOOLS REQUIRED	2	1.05 When removing a subassembly or part from the printer, follow the removal	
3.	DISASSEMBLY/REASSEMBLY	3	procedure and note the sequence of removal to enable proper reassembly. For reassembly	
	PRINT HEAD WITH COVER	3	reverse the procedure except where different instructions are given. Perform any adjustments	
	SPACING MOTOR BELT	6	indicated using Section 574-501-700.	
	SIGNAL BELL	6	1.06 Disassembly of printer parts except the	
	SPACING MOTOR WITH CABLE AND ENCODER	8	print head will require the removal of the set housing and rear frame. Refer to Teleprinter Disassembly/Reassembly, Section 574-500-720	
	LINE FEED MOTOR	10	for set housing and rear frame removal and replacement procedures.	
	PLATEN	12	1.07 Disassembly of the printer motors will	
	LEAD SCREW	14	require the removal of the logic card	
	CARRIAGE WITH POST ASSEMBLY	15	1.08 Disassembly of the printer lead screw, carriage with post assembly, lead screw	
	LEAD SCREW NUT	15	nut(s), and collar with link will require the removal of the keyboard, if present.	
	COLLAR WITH LINK	16	1.09 After replacing printer parts, refer to the	
	PAPER TRAY	16	lubrication procedures in Section 574 501-710 and lubricate any parts requiring lubri	
	PAPER GUIDES	20	cation.	

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

- 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.

2. TOOLS RE	QUIRED	Part No.	Description
performing reassembly processembly	performing the printer disassembly and assembly procedures. Most of these items should brmally be present in standard maintenance tool		Pliers, Long-Nose Wrench, Hex Key Wrench, Hex Key Wrench, 3/16 Inch Socket Wrench, Open End, 3/16 Inch
Part No. 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	129534 135676 135677 135678 142554 142555 151392 152835 407326	wrench, Open End, 3/16 Inch 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.

EXTRACTOR

1) Raise cover.

3) Move print head and

GUIDE ROD

3. DISASSEMBLY/REASSEMBLY

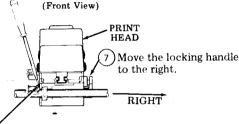
PRINT HEAD WITH COVER

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.



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

(Left Side View)

carriage to the right 9) Disengage print head from of the print head roll pin on end of link. cable plug. Remove print head. FRONT 10)Remove print head cover by lifting up and away from grommets. REAR NOSE GROMMET PROJECTION DOVETAIL

LOCKING

CHANNEL

Place projections of 407326 extractor under print head cable plug. Disconnect print head cable plug from logic card by squeezing arms of extractor together and pulling straight up to avoid damage to plug pins.

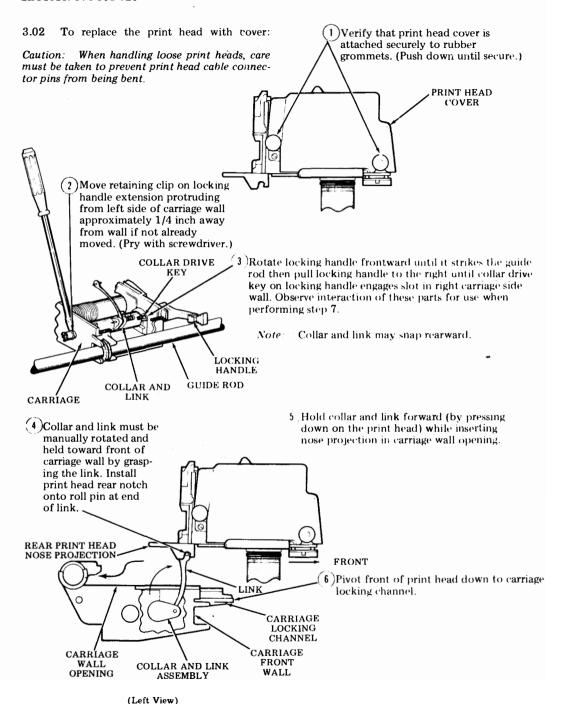
PRINT HEAD CABLE

> Remove ribbon. (Refer to How To Operate

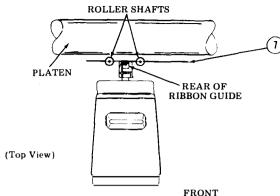
> > Manual)

Unlock print head 5 by pulling locking handle forward until it strikes

the guide rod.



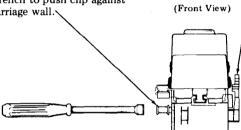
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Slowly push print head rearward and further into the carriage locking channel until the rear of the ribbon guide is even with center of roller shafts. Apply continuous leftward pressure to locking handle at its pivot shaft, while slowly pulling print head forward until collar drive key on handle engages (snaps) into slot in collar.

Note: Parts referred to were visible in step 3.

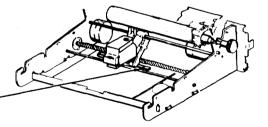
Position and hold print head and carriage assembly to right side of printer and use a 5/16 inch socket wrench to push clip against carriage wall.



Nove the handle all the way to the rear, locking the print head in close proximity to the platen by the additional force necessary to detent the handle. If handle does not move to rear, the drive key did not properly engage the collar slot (step 7).

Note: Check to make sure there is some clearance between print head and platen before detenting handle. Check PRINT HEAD TO PLATEN adjustment.

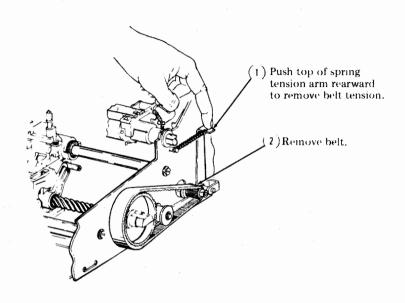
Check that no connector pins are bent and carefully connect the print head cable plug to the logic card. Make sure cable does not touch left side frame when the carriage moves fully left.

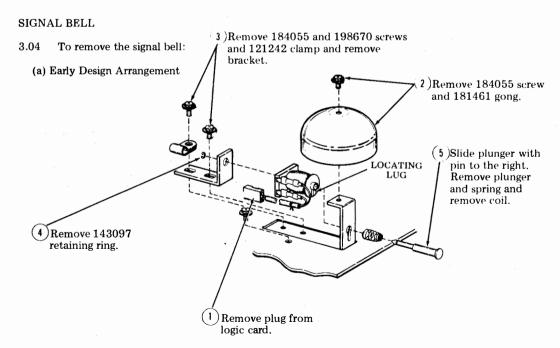


(11) Install ribbon. (Refer to How To Operate Manual.)

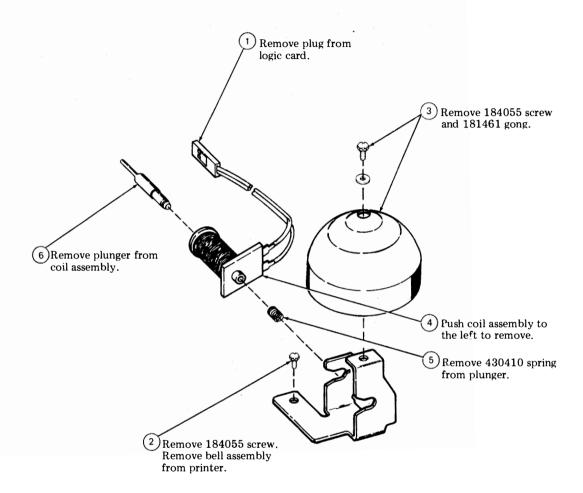
SPACING MOTOR BELT

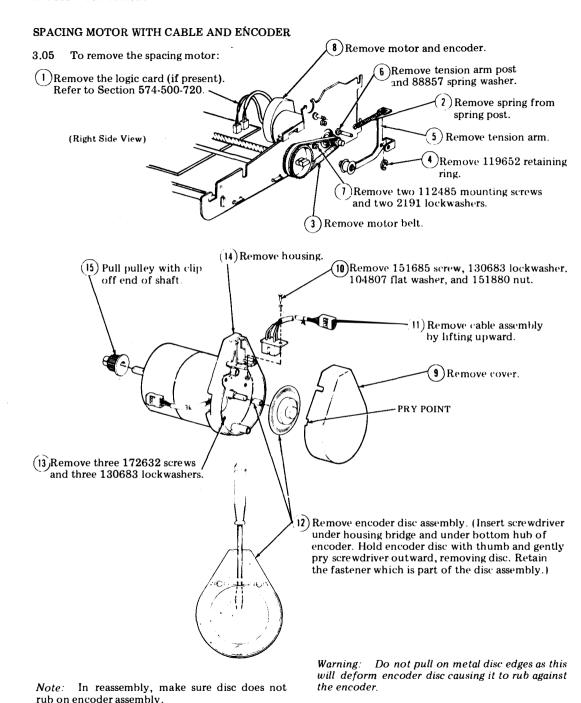
3.03 To remove the spacing motor belt:





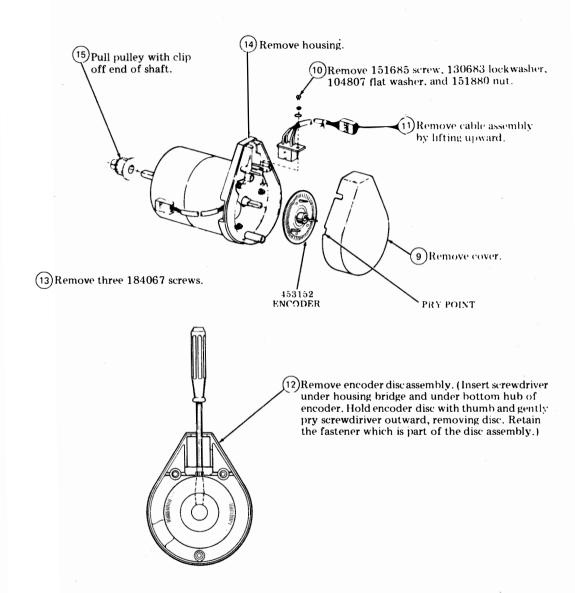
(b) Late Design Arrangement





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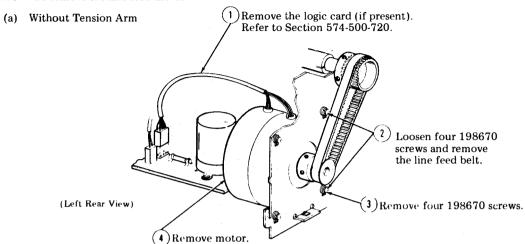
(b) 430441 Motor with cable and encoder.



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

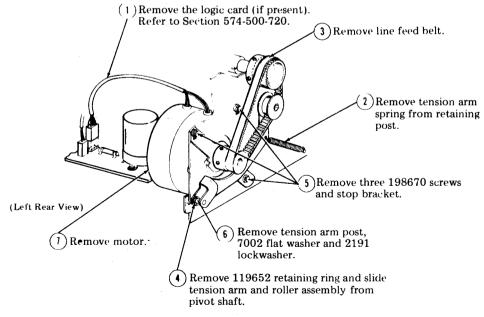
LINE FEED MOTOR

3.06 To remove the line feed motor:



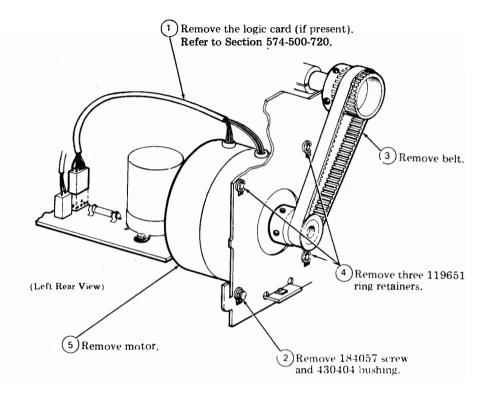
Note: In reassembly, perform LINE FEED BELT TENSION adjustment

(b) With Tension Arm



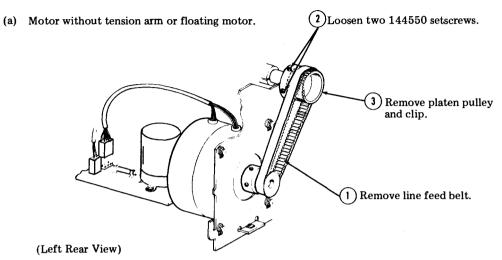
Note: In reassembly, perform STOP BRACKET adjustment.

(c) With floating motor



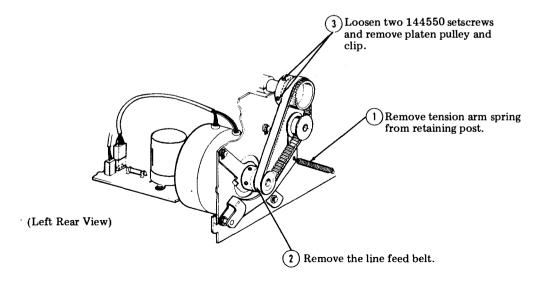
PLATEN

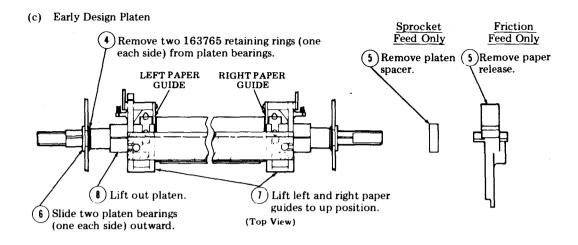
3.07 To remove the platen:

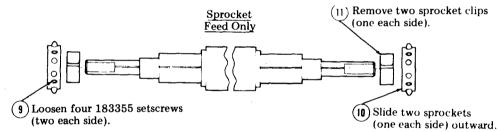


Note: In reassembly, position the setscrews away from the slot in the platen clip.

(b) Motor with tension arm.

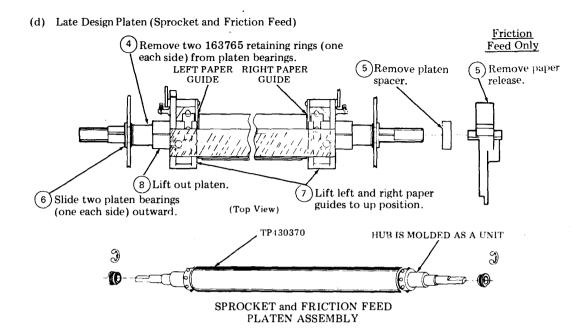






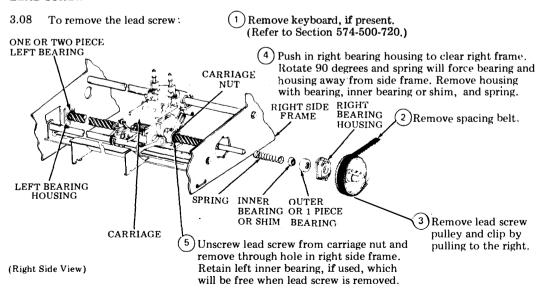
Note: In reassembly, position the setscrews away from the slot in the sprocket clip.

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



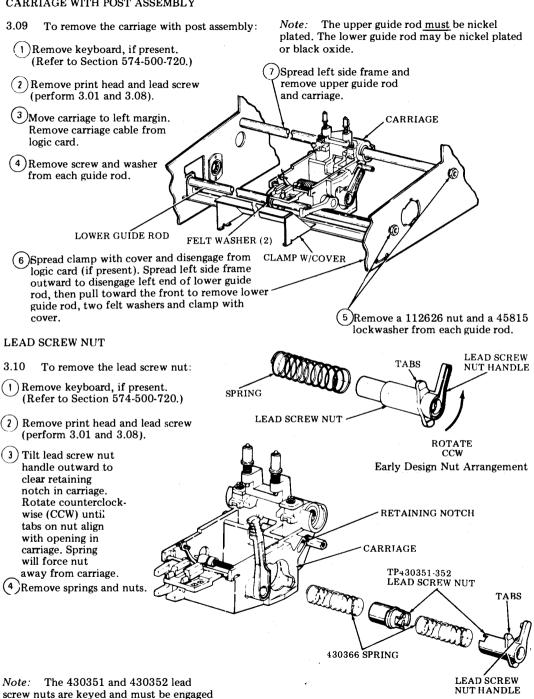
Perform the PLATEN ENDPLAY adjustments.





CARRIAGE WITH POST ASSEMBLY

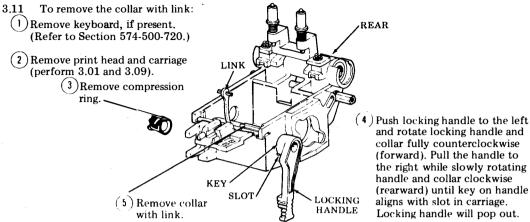
when properly installed.



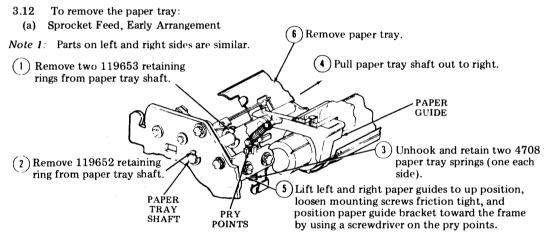
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Late Design Nut Arrangement

COLLAR WITH LINK

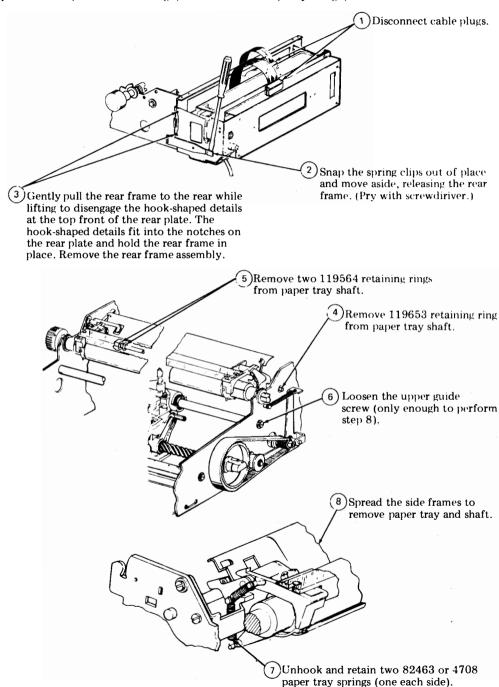


PAPER TRAY

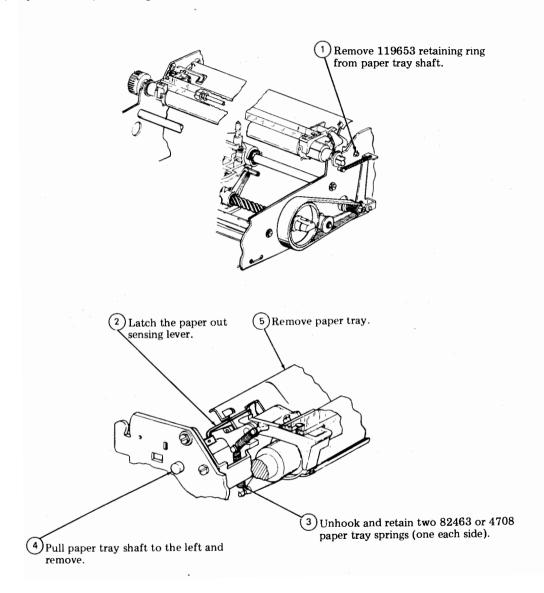


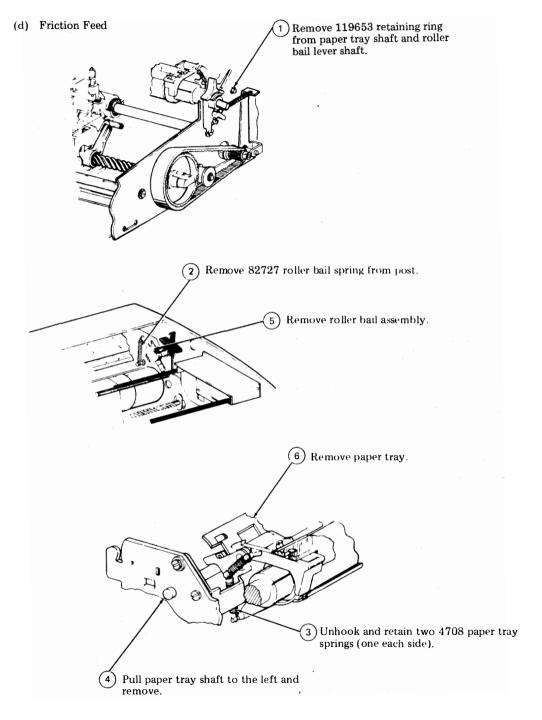
Note 2: In reassembly, <u>LEFT AND RIGHT PAPER GUIDE</u> adjustments must be made. (Early Arrangement)

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



(c) Sprocket Feed, Late Design

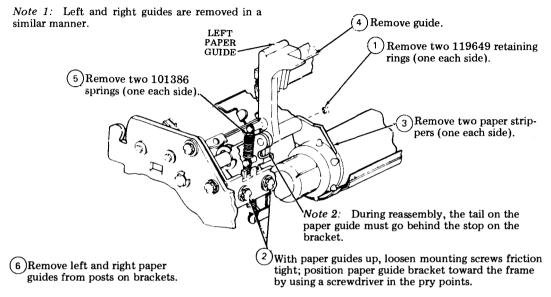




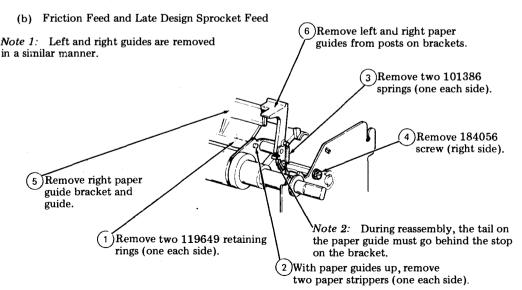
PAPER GUIDES

3.13 To remove the paper guide:

(a) Sprocket Feed, Early Design



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



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