

43 PRINTER

DISASSEMBLY/REASSEMBLY

CONTENTS	PAGE
1. GENERAL .....	1
2. TOOLS REQUIRED .....	2
3. SUBASSEMBLY AND PARTS IDENTIFICATION .....	3
4. DISASSEMBLY/REASSEMBLY . . .	3
430850 PRINT HEAD W/COVER . .	3
430047 SPACING MOTOR W/CABLE AND ENCODER .....	6
430154 LINE FEED MOTOR .....	7
430088 PLATEN .....	7
430029 LEAD SCREW .....	9
430215 CARRIAGE W/POST ASSEMBLY .....	9
430031 LEAD SCREW NUT .....	10
430216 COLLAR W/LINK .....	10
430011 PAPER TRAY .....	11
430100 LEFT PAPER GUIDE, 430101 RIGHT PAPER GUIDE AND 430179 GUIDE .....	11
SIGNAL BELL .....	12

1. GENERAL

- 1.01 This section covers disassembly and reassembly procedures for the 43 printer.
- 1.02 Whenever this section is reissued the reason for reissue will be listed in this paragraph.

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.

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

1.07 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.

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

1.09 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.

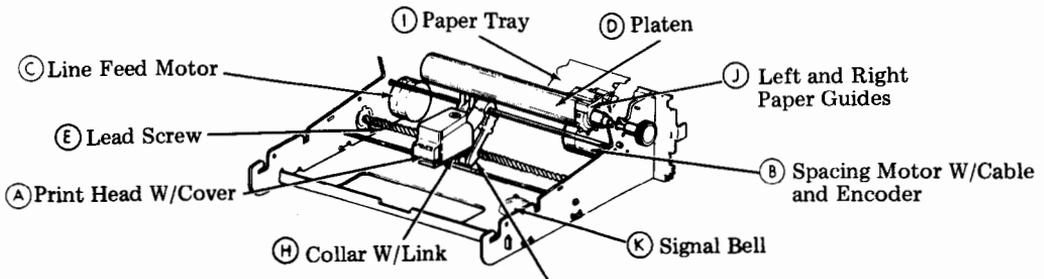
SECTION 574-501-720

2. TOOLS REQUIRED

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.

<u>Part No.</u>	<u>Tools</u>	<u>Part No.</u>	<u>Tools</u>
125752	Wrench, 3/16 Inch Socket	135676	Nut Driver, Handle
129534	Wrench, Open End, 3/16 Inch and 1/4 Inch	135677	Nut Driver, 1/4 Inch
152835	Wrench, Open End, 5/16 Inch and 3/8 Inch	135678	Nut Driver, 5/16 Inch
		95368	Screwdriver, 1/8 Inch, 2 Inch Blade
		100982	Screwdriver, 1/4 Inch, 6 Inch Blade
		100704	Screwdriver, 10 Inch Blade
		124682	Allen Wrench, 0.062 Inch
		151392	Tweezers
		142554	Spring Hook, (Pull)
		75765	Spring Hook, (Pull)
		142555	Spring Hook, (Push)

3. SUBASSEMBLY AND PARTS IDENTIFICATION

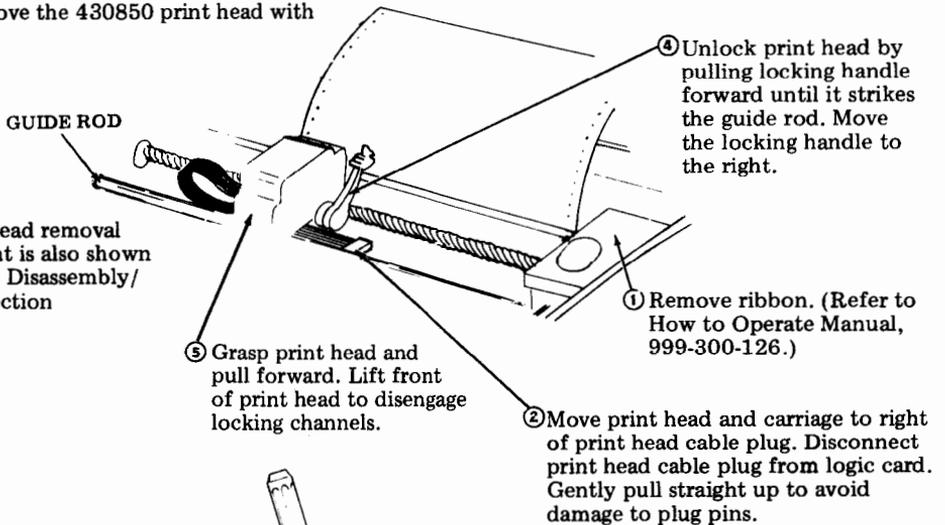


Note: Circled letters indicate the paragraph which gives disassembly procedures.

4. DISASSEMBLY/REASSEMBLY

430850 PRINT HEAD WITH COVER

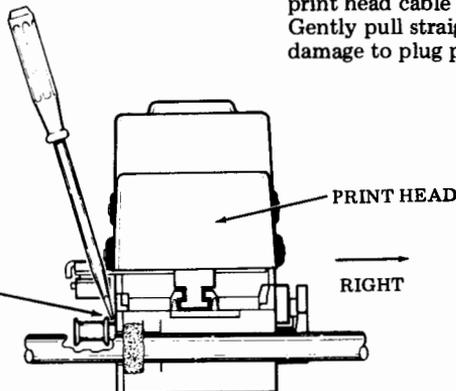
4.01 To remove the 430850 print head with cover:



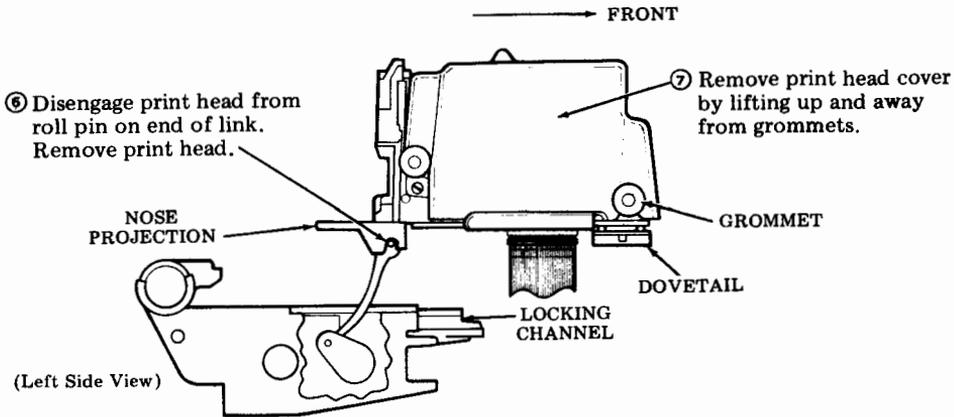
Note: Print head removal and replacement is also shown in KSR Station Disassembly/Reassembly, Section 574-500-720.

(Front View)

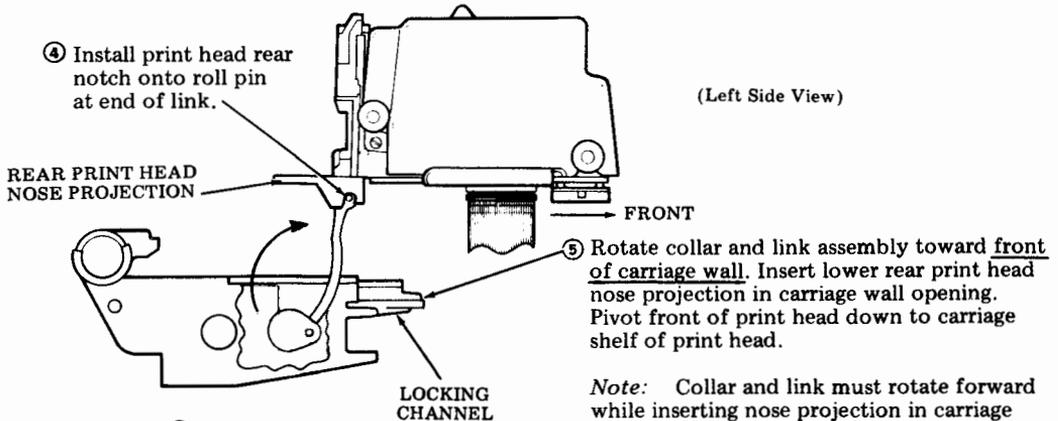
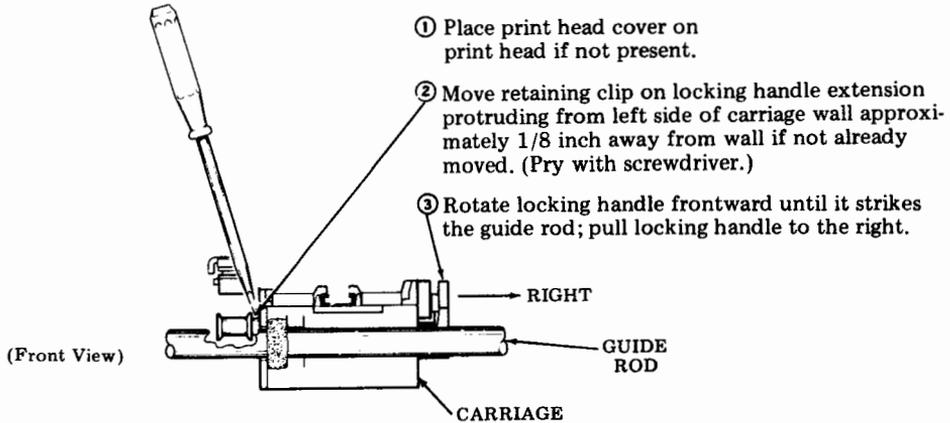
3 Move retaining clip on locking handle extension protruding from left side of carriage wall approximately 1/8 inch away from wall. (Pry with screwdriver.)



See next page for 6.



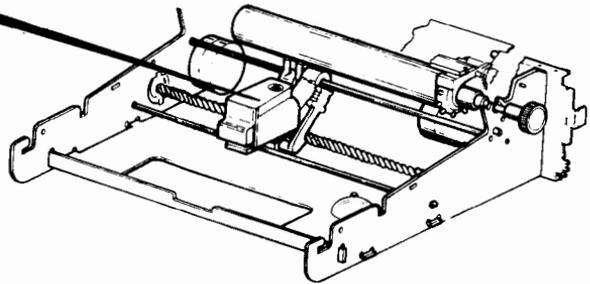
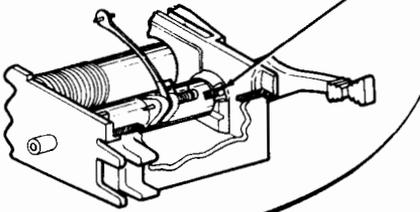
4.02 To replace the 430850 print head with cover:



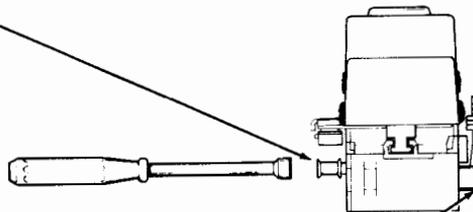
Note: Collar and link must rotate forward while inserting nose projection in carriage wall opening.

See next page for ⑥.

- ⑥ Apply continuous leftward pressure to locking handle at its pivot shaft, while slowly pushing print head rearward and further into the carriage locking channel until locking handle projection lines up with collar drive key. Locking handle will now move to the left and engage the drive key.



- ⑨ Position print head and carriage assembly to right side of printer and use a 5/16 inch socket wrench to push clip against carriage wall.



(Front View)

- ⑩ Reconnect the print head cable plug to the logic card.

- ⑩ Install ribbon. (Refer to How to Operate Manual, 999-300-126.)

- ⑦ Move 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.

*Note:* Check to make sure there is some clearance between print head and platen before detenting handle. Perform PRINT HEAD TO PLATEN adjustment in Section 574-501-700.

430047 SPACING MOTOR WITH CABLE AND ENCODER

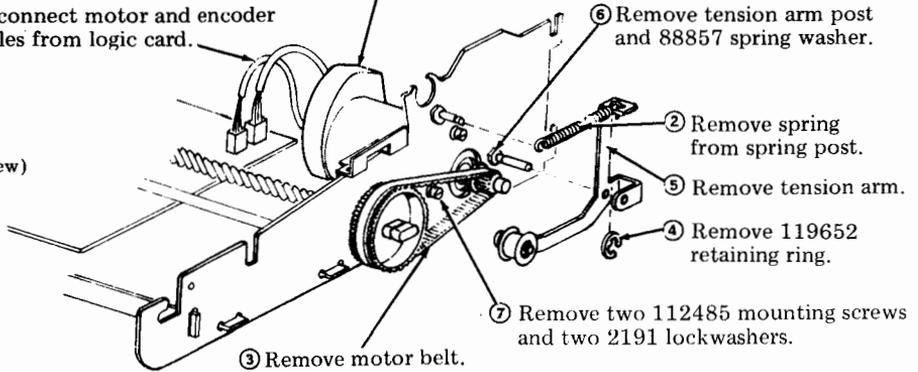
4.03 To disassemble the 430047 spacing motor with cable and encoder:

① Disconnect motor and encoder cables from logic card.

⑧ Remove motor and encoder.

⑥ Remove tension arm post and 88857 spring washer.

(Right Side View)

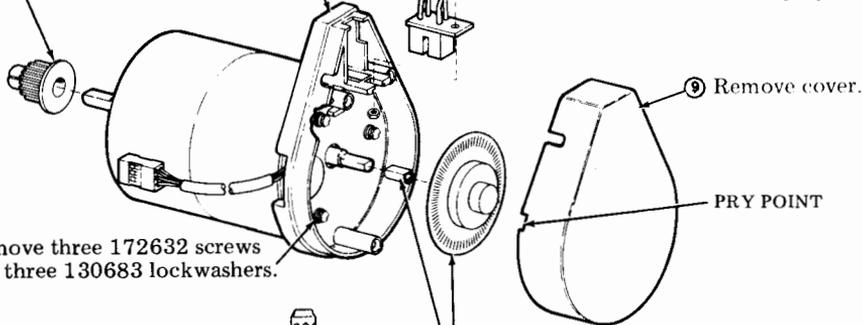


⑭ Remove housing.

⑩ Remove 151685 screw, 130683 lockwasher, 104807 flat washer and 151880 nut.

⑮ Pull pulley with clip off end of shaft.

⑪ Remove encoder cable assembly by lifting upward.

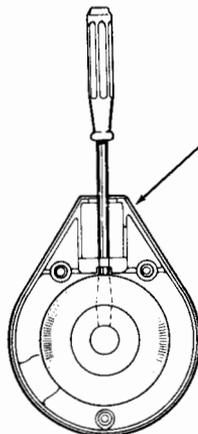


⑬ Remove three 172632 screws and three 130683 lockwashers.

⑫ Remove encoder disc assembly. (Insert screwdriver under housing bridge and under bottom hub of encoder. Hold encoder disc with thumb and gently pry screwdriver outward, removing disc. Retain the fastener which is part of the disc assembly.)

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

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

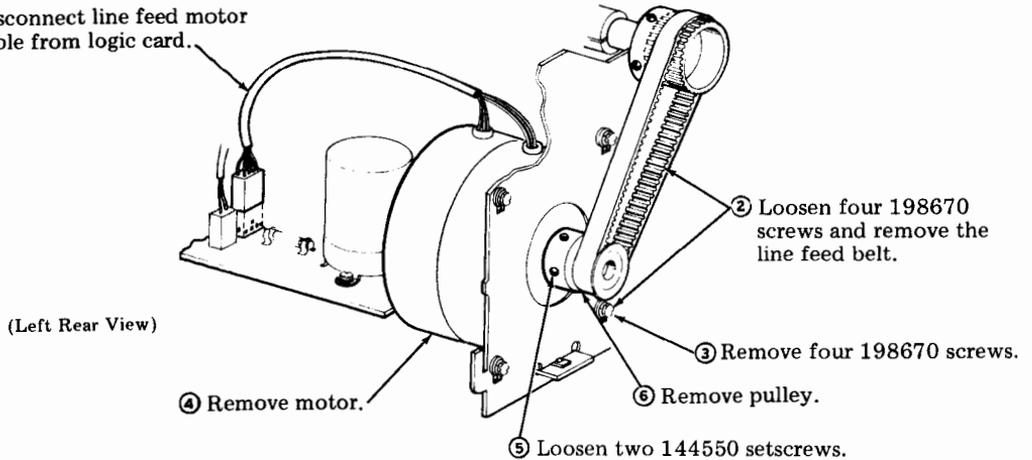


## 430154 LINE FEED MOTOR

4.04 To disassemble the 430154 line feed motor:

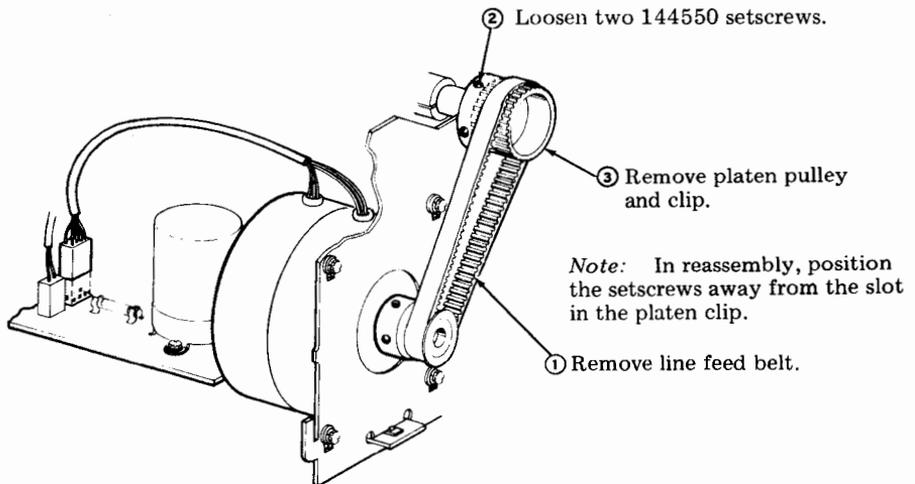
*Note:* In reassembly, make LINE FEED BELT TENSION adjustment.

① Disconnect line feed motor cable from logic card.

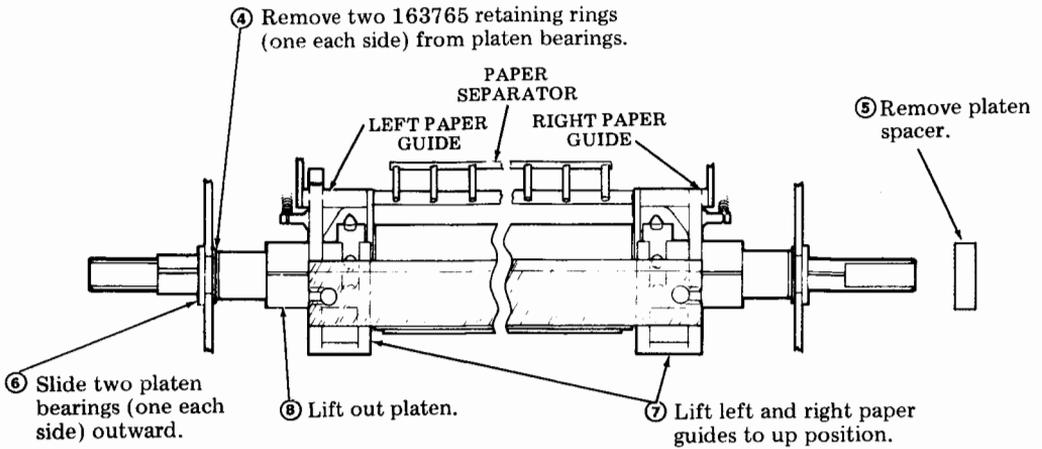


## 430088 PLATEN

4.05 To disassemble the 430088 platen:

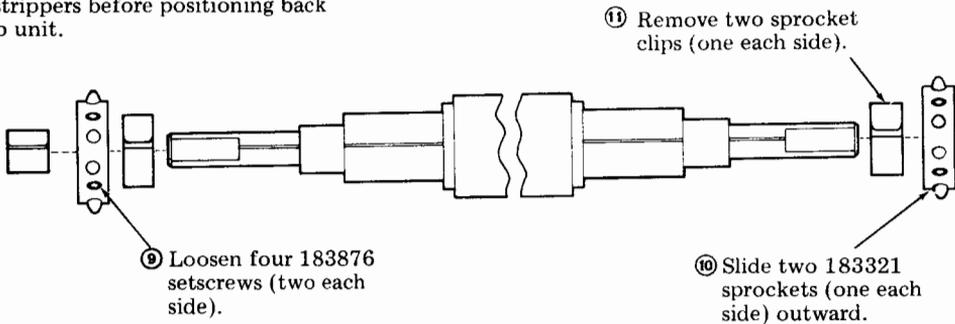


See next page for ④.



(Top View)

*Note:* Left and right strippers are in upward position after platen is removed. In reassembly, locate platen in strippers before positioning back into unit.

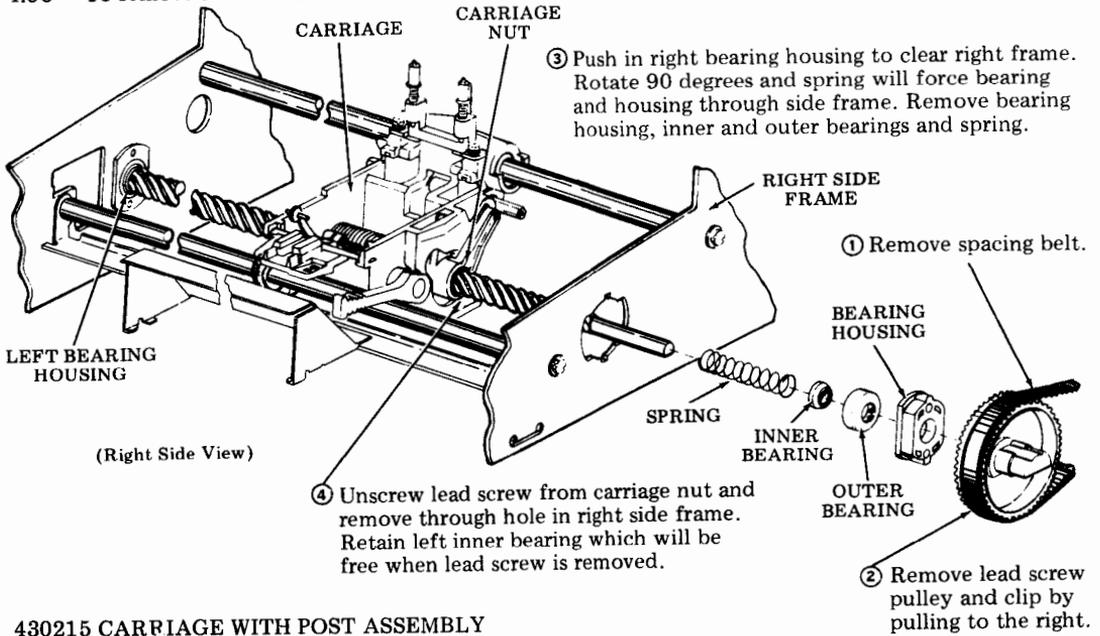


*Note:* In reassembly, position the setscrews away from the slot in the sprocket clip.

Perform the LEFT AND RIGHT SPROCKET adjustments and PRINTED LINE POSITION AND PLATEN ENDPLAY adjustments.

430029 LEAD SCREW

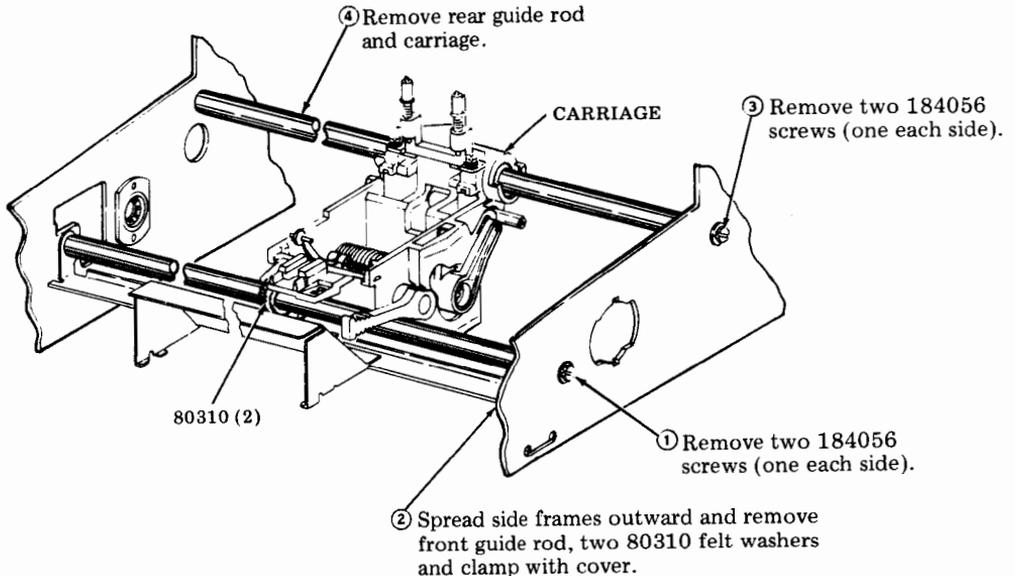
4.06 To remove the 430029 lead screw:



430215 CARRIAGE WITH POST ASSEMBLY

4.07 To remove the carriage with post assembly:

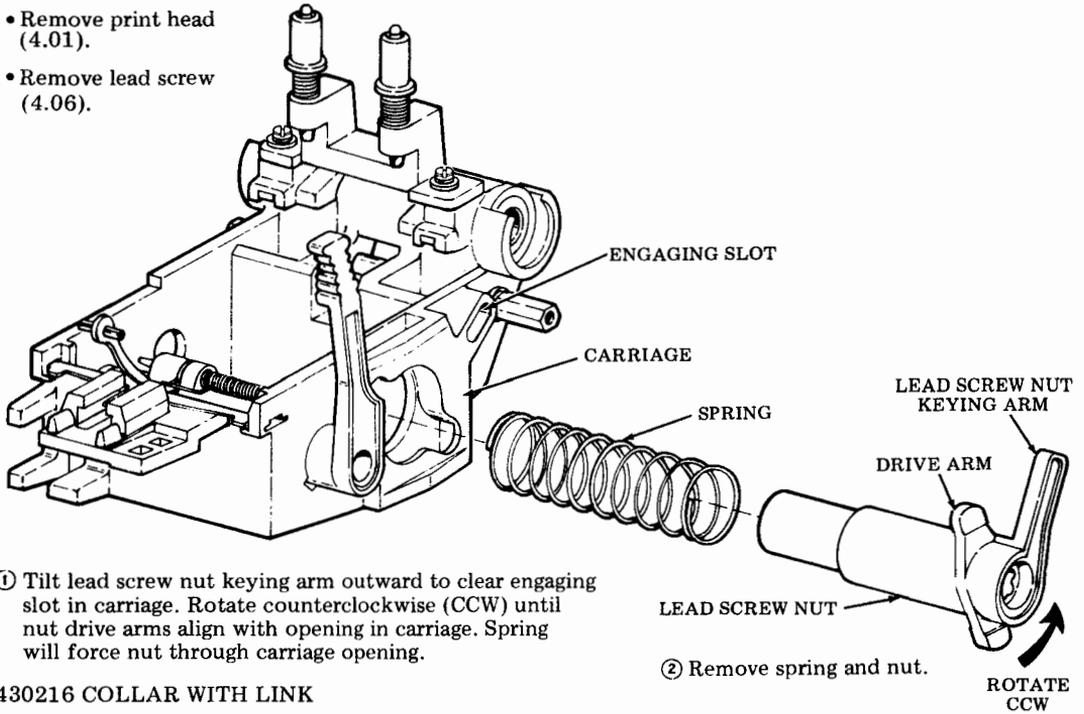
- Remove print head and lead screw (4.01 and 4.06).



430031 LEAD SCREW NUT

4.08 To remove the 430031 lead screw nut:

- Remove print head (4.01).
- Remove lead screw (4.06).



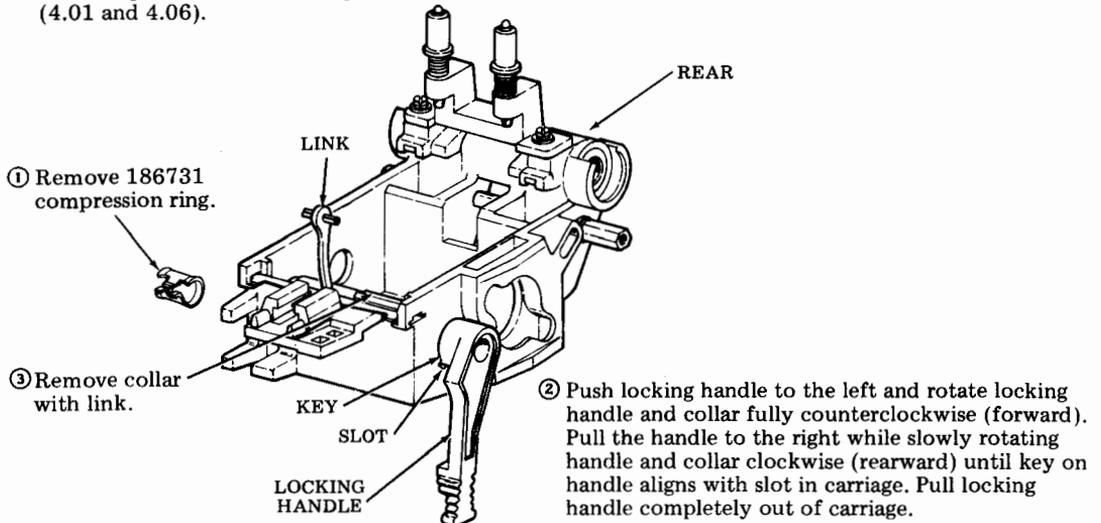
① Tilt lead screw nut keying arm outward to clear engaging slot in carriage. Rotate counterclockwise (CCW) until nut drive arms align with opening in carriage. Spring will force nut through carriage opening.

② Remove spring and nut.

430216 COLLAR WITH LINK

4.09 To remove the 430216 collar with link:

- Remove print head and carriage (4.01 and 4.06).



① Remove 186731 compression ring.

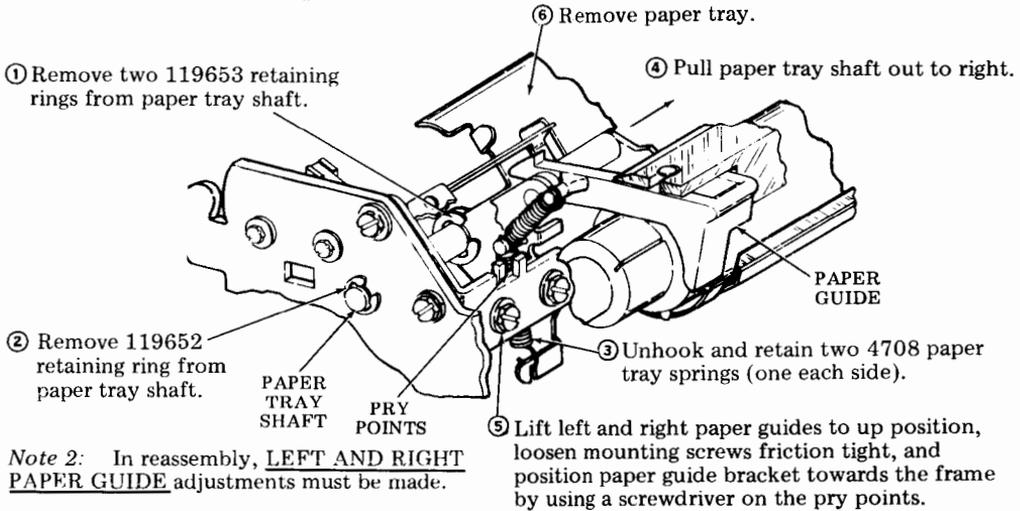
③ Remove collar with link.

② Push locking handle to the left and rotate locking handle and collar fully counterclockwise (forward). Pull the handle to the right while slowly rotating handle and collar clockwise (rearward) until key on handle aligns with slot in carriage. Pull locking handle completely out of carriage.

## 430011 PAPER TRAY

4.10 To remove the 430011 paper tray:

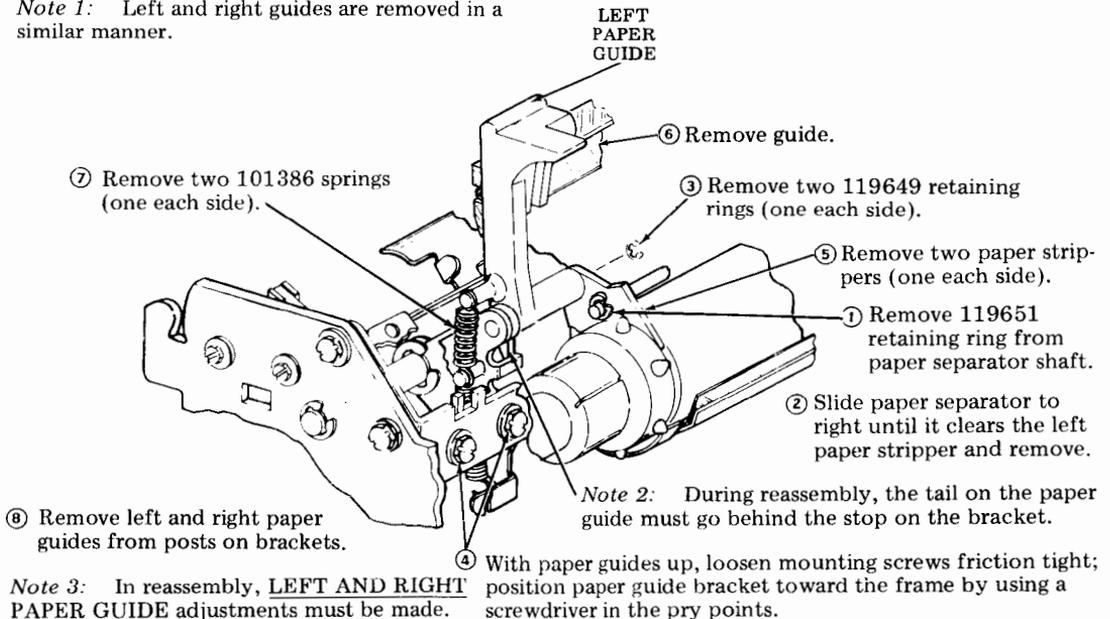
*Note 1:* Parts on left and right sides are similar.



## 430100 LEFT PAPER GUIDE, 430101 RIGHT PAPER GUIDE, AND 430179 GUIDE

4.11 To remove the 430100 left paper guide, 430101 right paper guide, and 430179 guide:

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



SIGNAL BELL

4.12 To remove the signal bell:

