

43 KSR STATION

DISASSEMBLY/REASSEMBLY

CONTENTS	PAGE
1. GENERAL .....	1
2. TOOLS REQUIRED .....	2
3. DISASSEMBLY/REASSEMBLY....	2
153A1 TERMINAL DATA UNIT (TDU).....	2
430700 POWER SUPPLY .....	3
120139 POWER SUPPLY FUSE .....	3
43K101/CAA OPERATOR CONSOLE.....	4
430850 PRINT HEAD .....	5
A. Removal .....	5
B. Reassembly.....	6
143307 LOGIC CARD FUSE .....	8
410740 LOGIC CARD .....	9
430137 HOUSING .....	10
A. Removal .....	10
B. Replacement.....	10

1. GENERAL

1.01 This section provides disassembly and reassembly information for the 43 KSR Station (Fig. 1).



Fig. 1—43 KSR Station

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

1.03 Disassembly and reassembly information for additional housing and cover parts is provided in the following paragraphs:

<u>Part</u>	<u>Paragraph</u>
Bustle Cover	3.01
Deflector	3.01
Paper Holder	3.01
Cover, Set	3.04
Rear Frame	3.06

1.04 The procedures provided in this section break the terminal down into subcomponents. The appropriate parts sections illustrate the arrangement of subcomponents and parts — Section 574-500-800, Station Parts and Section 574-503-800, Cabinet Parts.

*Caution: Remove all power from the set before performing any component replacement.*

1.05 When removing a major component or part from the terminal, do not pry or force parts to provide the necessary clearance for removal. Follow the removal procedure and note how each part is removed and the sequence of its removal so that proper reassembly can be accomplished. For reassembly, reverse the removal procedure except where different instructions are given.

1.06 Reference in the procedures to left and right and up or down and top or bottom, etc, refer to the KSR terminal in its normal operating position.

1.07 Refer to Maintenance Tools, Section 570-005-800 for a complete listing of the various types of hand tools available for maintenance of Teletype Corporation equipment. For a listing of the tools required to perform the disassembly and reassembly procedures, refer to 2. TOOLS REQUIRED.

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

1.09 Some parts that are not listed in the parts sections are shown as necessary to the disassembly procedures such as screws, ring retainers, etc. Most of 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.

1.10 The operator console circuitry can be damaged by static discharge. The 346392 static discharge ground strap is available for use by service personnel. Maintenance spares are provided in antistatic bags which should be saved for reuse when returning components for repair.

1.11 Containers and packing materials retained from maintenance spares should be saved and reused when returning defective components for repair.

1.12 Adjustment information is provided in Printer Adjustments, Section 574-501-700 and Cabinet Adjustments, Section 574-503-700.

2. TOOLS REQUIRED

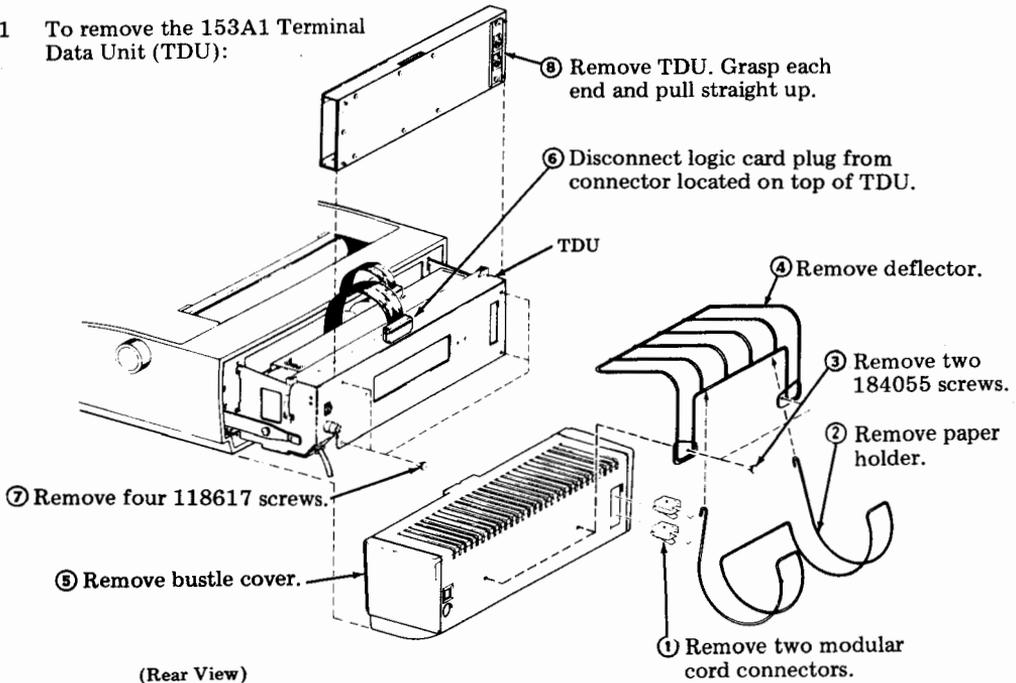
2.01 The following tools may be required when performing the station disassembly and reassembly procedures. Most of these items should normally be present in standard maintenance tool kits.

Part No.	Tools
129534	Wrench, Open End, 3/16 Inch and 1/4 Inch
135676	Nut Driver, Handle
135677	Nut Driver, 1/4 Inch
135678	Nut Driver, 5/16 Inch
95368	Screwdriver, 1/8 Inch, 2 Inch Blade
100982	Screwdriver, 1/4 Inch, 6 Inch Blade
346392	Static Discharge Strap

3. DISASSEMBLY/REASSEMBLY

153A1 TERMINAL DATA UNIT (TDU)

3.01 To remove the 153A1 Terminal Data Unit (TDU):

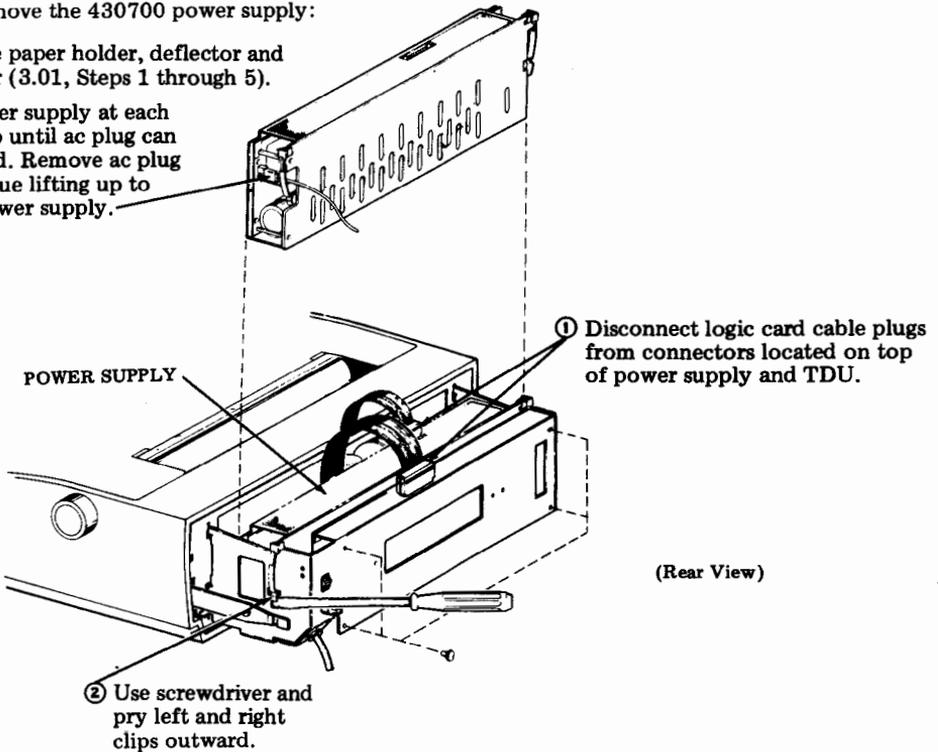


## 430700 POWER SUPPLY

3.02 To remove the 430700 power supply:

- Remove the paper holder, deflector and bustle cover (3.01, Steps 1 through 5).

③ Grasp power supply at each end; lift up until ac plug can be removed. Remove ac plug and continue lifting up to remove power supply.

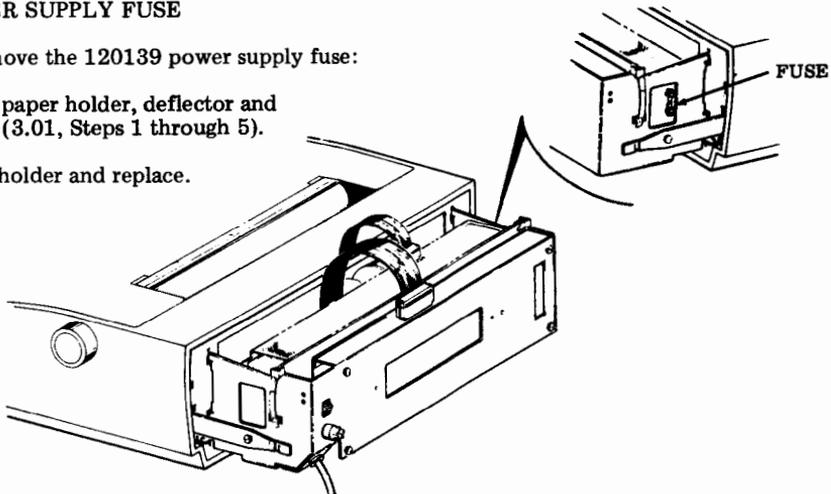


## 120139 POWER SUPPLY FUSE

3.03 To remove the 120139 power supply fuse:

- Remove the paper holder, deflector and bustle cover (3.01, Steps 1 through 5).

Pry fuse from holder and replace.



43K101/CAA OPERATOR CONSOLE

3.04 To remove the 43K101/CAA operator console:

② If cover is being removed, disengage the button end of one of the arms from the dovetail slot by pushing inward. Disengage the other side and remove cover.

① Depress locking tabs (part of cover) to release and lift cover. If cover is being removed, open to 45 degree angle and hold, otherwise open fully to rear.

⑥ Disconnect P107 opcon cable plug from logic card.

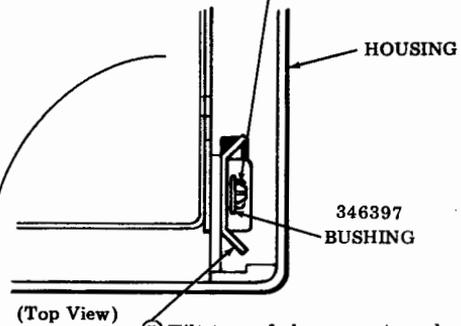
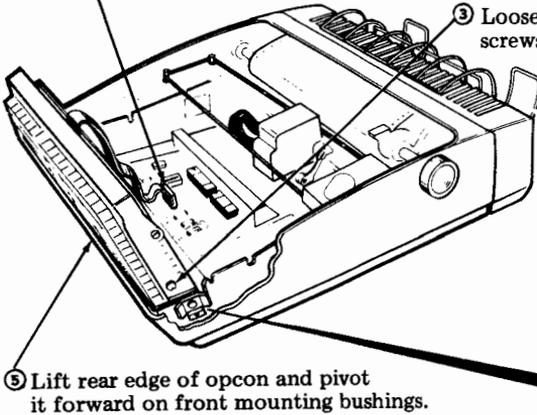
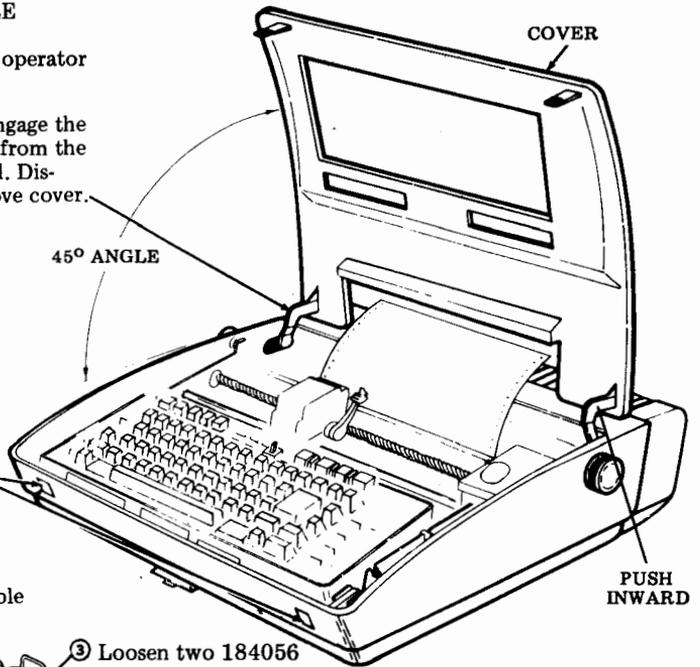
③ Loosen two 184056 screws (one each side).

④ Loosen two 184052 screws (one each side).

⑤ Lift rear edge of opcon and pivot it forward on front mounting bushings.

⑧ Move lower edge of opcon rearward until bushings are free. Remove opcon.

⑦ Tilt top of clamps outward, releasing front bushings connected to the opcon.



**Note 1:** In reassembly, perform the KEYBOARD TO COVER ALIGNMENT adjustment.

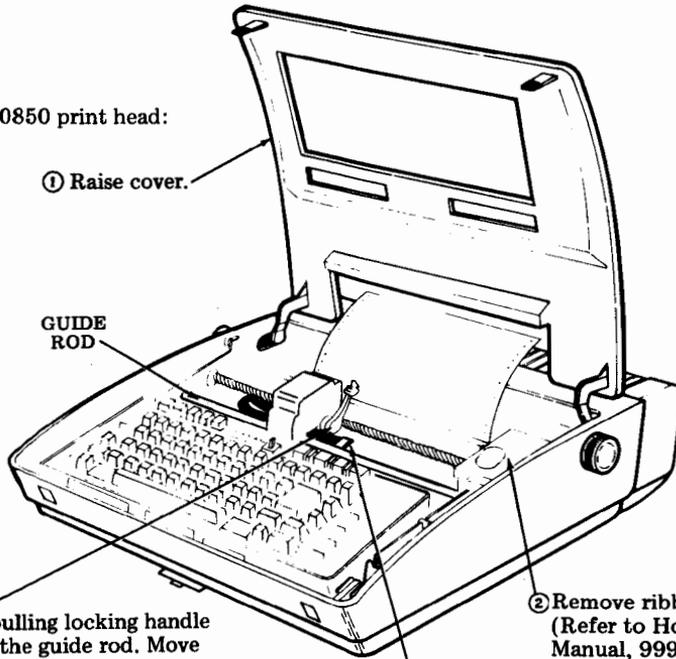
**Note 2:** When replacing the cover or indicator scale, perform the COLUMN INDICATOR POSITIONING adjustment.

**Note 3:** Loose operator consoles are shipped with 184056 screws and 346397 bushings furnished in a loose envelope. These parts must be assembled to the operator console before installing into the printer side frames.

430850 PRINT HEAD

A. Removal

3.05 To remove the 430850 print head:

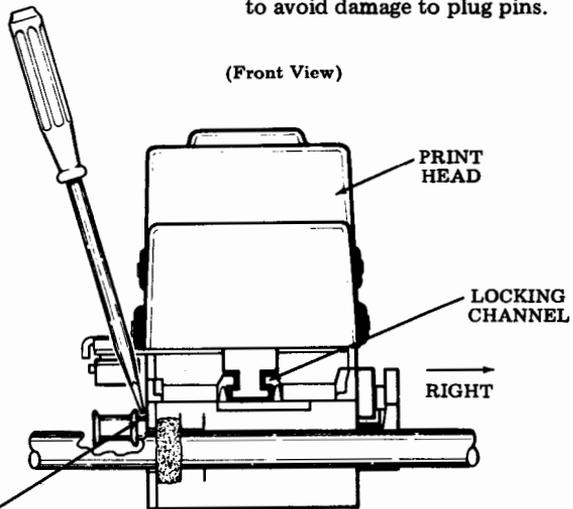


⑤ Unlock print head by pulling locking handle forward until it strikes the guide rod. Move the locking handle to the right.

⑥ Grasp print head and pull forward. Lift front of print head to disengage locking channels.

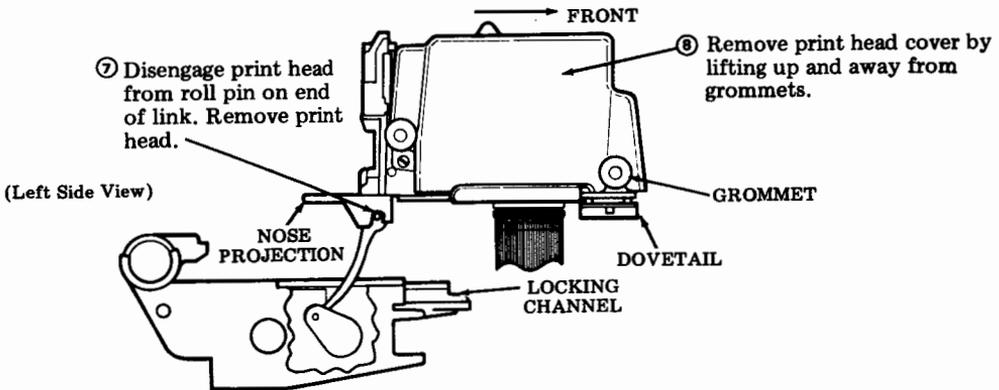
③ Move print head and carriage to the right of the print head cable plug. Disconnect print head cable plug from logic card. Gently pull straight up to avoid damage to plug pins.

(Front View)



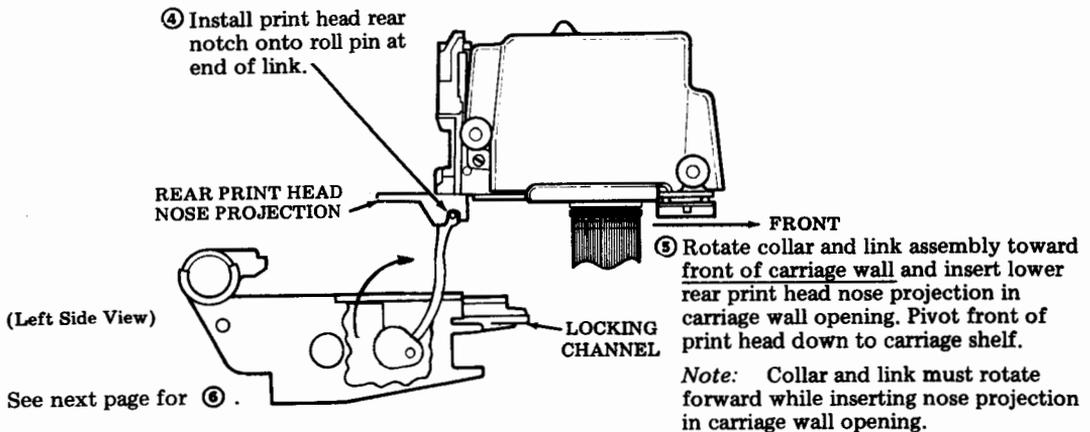
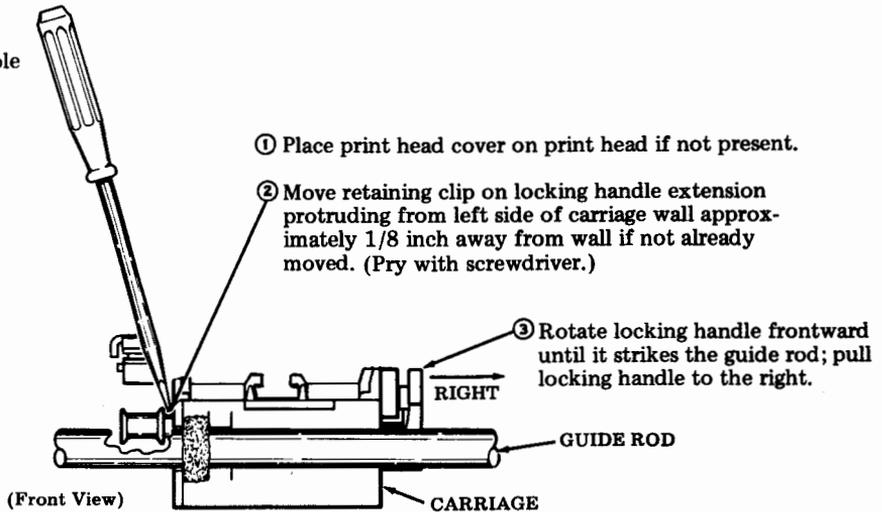
④ Move retaining clip on locking handle extension protruding from left side of carriage wall approximately 1/8 inch away from wall. (Pry with screwdriver.)

See next page for ⑦.



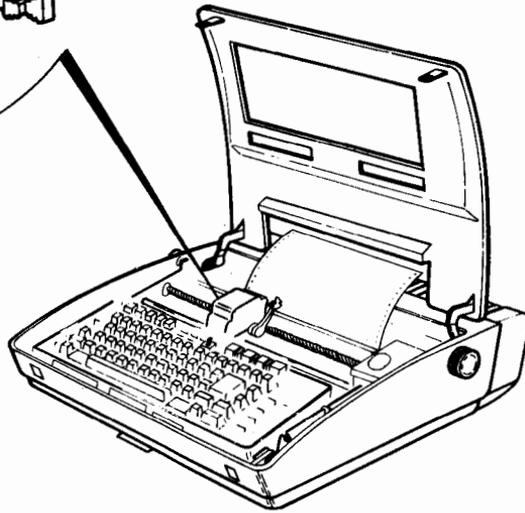
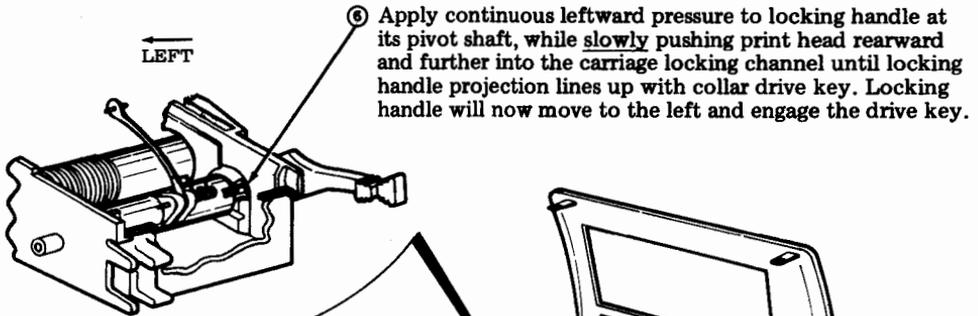
**B. Reassembly**

3.06 To reassemble the 430850 print head:

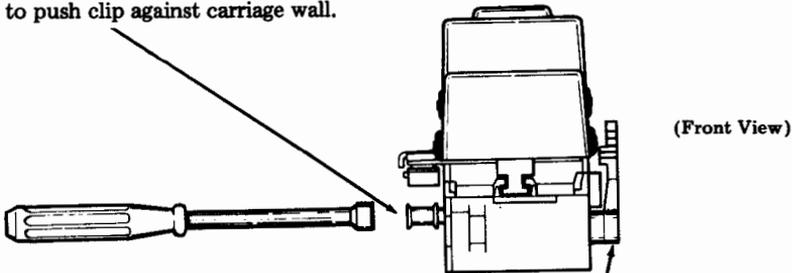


See next page for 6 .

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



- ⑧ 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.



- ⑨ Reconnect the print head cable plug to the logic card.
- ⑩ Install ribbon. (Refer to How to Operate Manual, 999-300-126.)

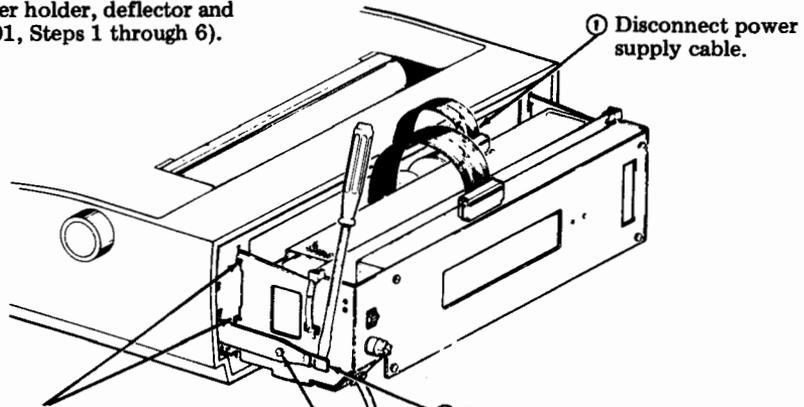
- ⑦ Move the handle all the way to the rear, locking the print head in close proximity to the platen by the additional force necessary to detent the handle.

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

143307 LOGIC CARD FUSE

3.07 To remove the 143307 logic card fuse:

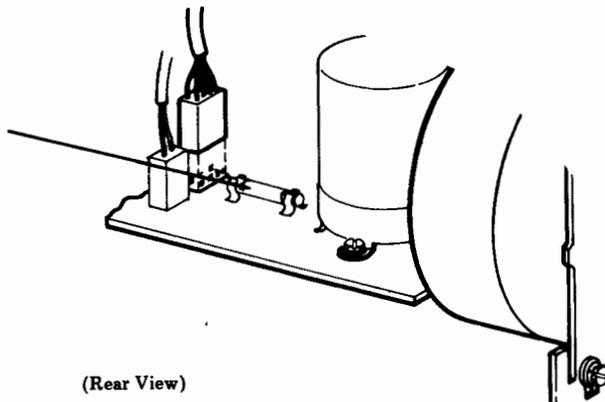
- Remove the paper holder, deflector and bustle cover (3.01, Steps 1 through 6).



- ④ Gently pull on the bottom portion of the rear frame to disengage the straight lugs from the rear plate. With these lugs disengaged, lift the rear frame upward to disengage the hook-shaped details at the top of the rear plate. Remove the rear frame assembly.

- ③ Snap the spring clips out of place and move aside, releasing the rear frame. (Pry with screwdriver.)
- ② Remove two 198670 screws (one each side).

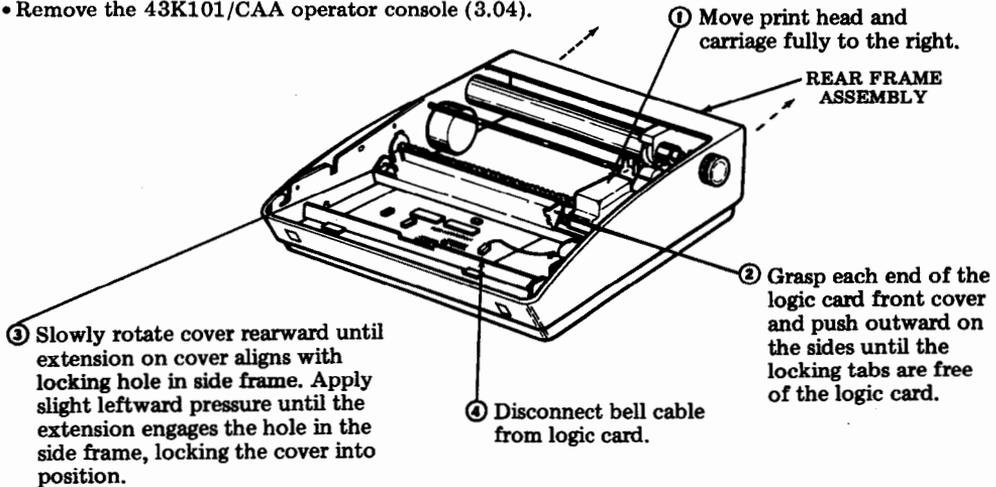
- ⑤ Remove the logic card fuse.



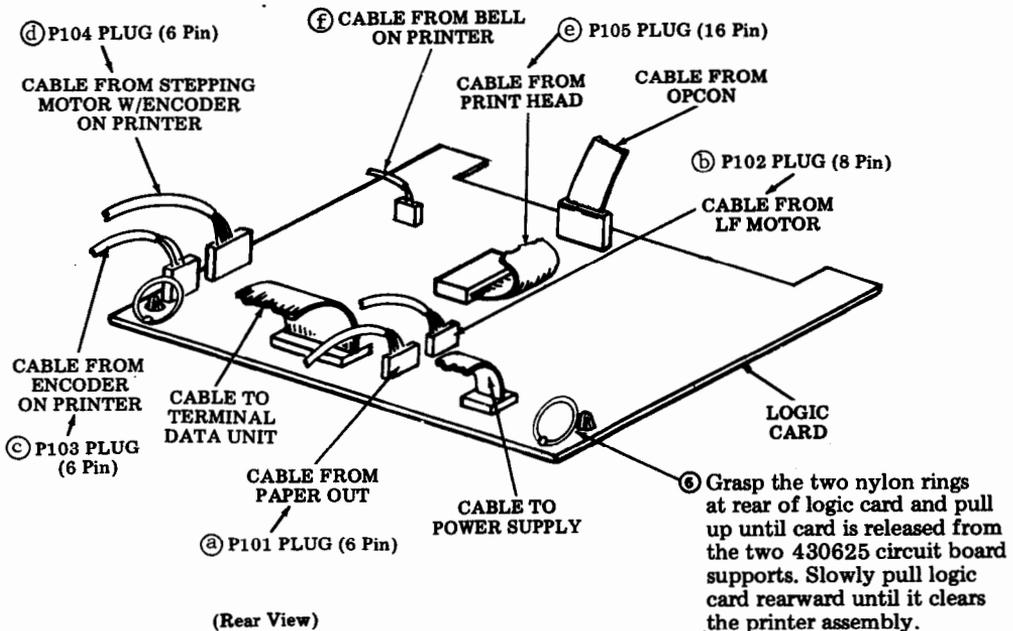
## 410740 LOGIC CARD

3.08 To remove the 410740 logic card:

- Remove the paper holder, deflector and bustle cover (3.01, Steps 1 through 6).
- Remove the rear frame assembly (3.07, Steps 1 through 4).
- Remove the 43K101/CAA operator console (3.04).



⑤ Disconnect the following plugs located on the logic card:

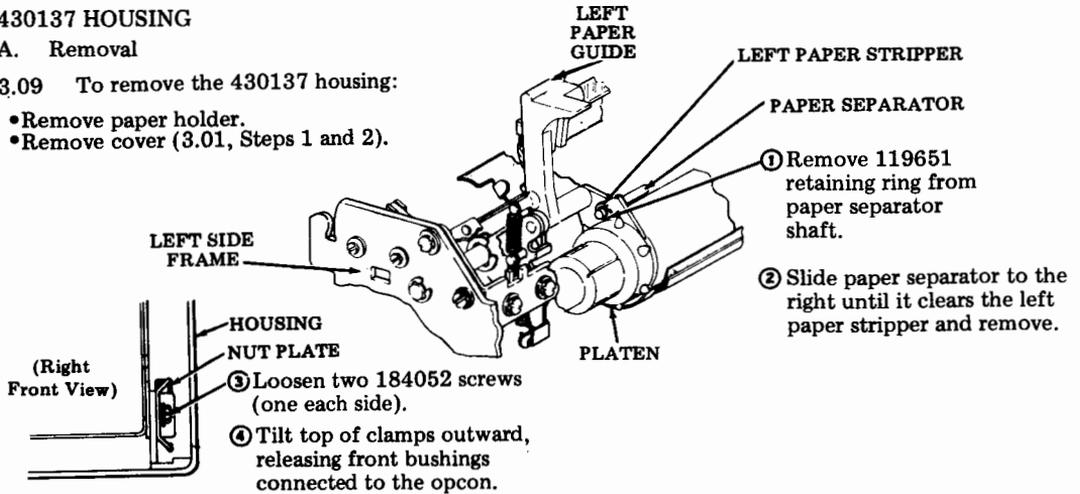


## 430137 HOUSING

## A. Removal

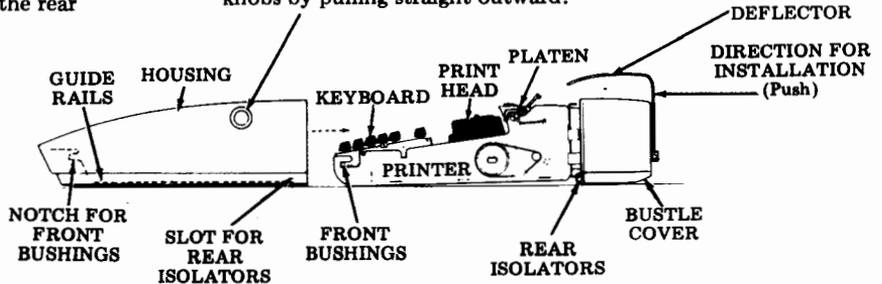
3.09 To remove the 430137 housing:

- Remove paper holder.
- Remove cover (3.01, Steps 1 and 2).



- ④ Grasp the bustle cover and slide the printer and rear frame assembly from the housing through the rear opening.

- ⑤ Remove the left and right platen knobs by pulling straight outward.



## B. Replacement

3.10 To replace the 430137 housing:

- ① Push the printer and rear frame assembly into the housing through the opening in the rear of the housing. There are two molded guide rails in the bottom of the housing to steer the assembly into position.
- ② Replace the paper separator and platen knobs.
- ③ Replace the cover and paper holder.
- ④ Perform the KEYBOARD TO COVER ALIGNMENT adjustment.

*Note:* The two front clamps should be loosely fastened to the nut plate before the assembly is pushed into the housing. Position each clamp so that the front bushings (operator console) protrude through the large holes in their respective clamps.