

43 5-LEVEL PAPER TAPE UNIT

DISASSEMBLY/REASSEMBLY

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1. GENERAL

1.01 The procedures provided in this section break the PTU down into subcomponents. The appropriate parts sections illustrate the arrangement of subcomponents and parts.

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

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

1.03 When removing a major component or part from the PTU, 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 accom-

plished. For reassembly, reverse the removal procedure except where different instructions are given.

1.04 Reference in the procedures to left and right and up or down and top or bottom, etc, refer to the paper tape unit in its normal operating position.

1.05 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/reassembly procedures, refer to 2. TOOLS REQUIRED.

1.06 All ordering numbers shown in this manual are Teletype Corporation part numbers.

1.07 Some parts that are not listed in the parts index 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.

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

1.09 Adjustment information is provided in Punch Unit adjustments and Spring Tensions, Section 574-505-700, and Reader Unit adjustments and Spring Tensions, Section 574-506-700.

Note: When ordering replaceable components, unless otherwise specified, prefix each part number with the letters "TP" (ie, TP410205).

2. TOOLS REQUIRED

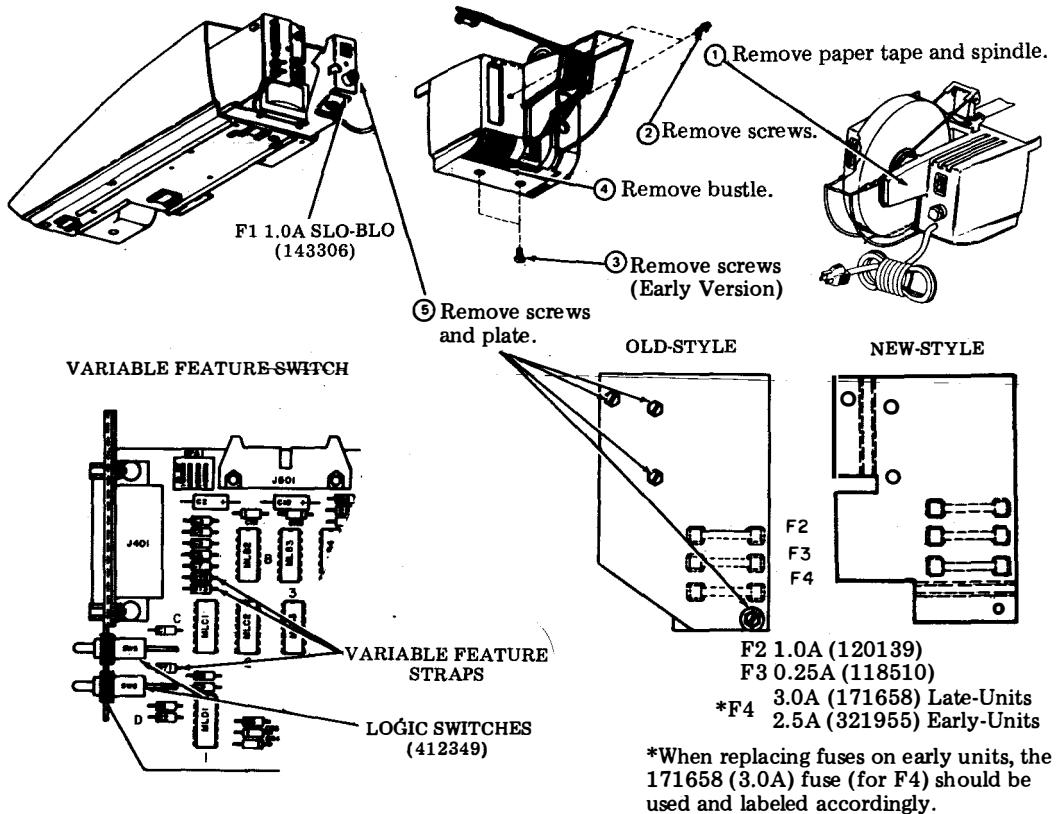
2.01 The following tools may be required when performing the disassembly/reassembly procedure. Most of these items should normally be present in standard maintenance tool kits (refer to Section 570-005-800).

PART NO.	TOOLS
124682	Hex key wrench, 1/16 inch
104457	Hex key wrench (.050)
159841	Hex key wrench (.093)
100982	Screwdriver/w clip, 1/4 inch
89994	Assembly wrench, 1/4 inch
129534	Wrench, 3/16 x 1/4 open end
152835	Wrench, 5/16 x 3/8 open end
129536	Wrench, 7/16 x 1/2 open end

3. DISASSEMBLY/REASSEMBLY

Replacement of Fuses for Access to Variable Feature Switches

3.01 To replace fuses or gain access to variable feature switches:

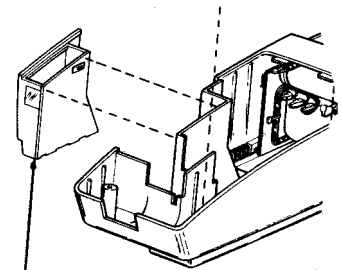
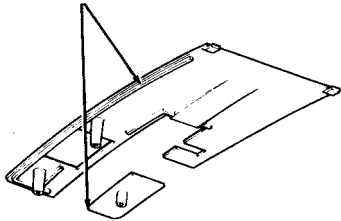


Punch and Reader Assembly with Motor

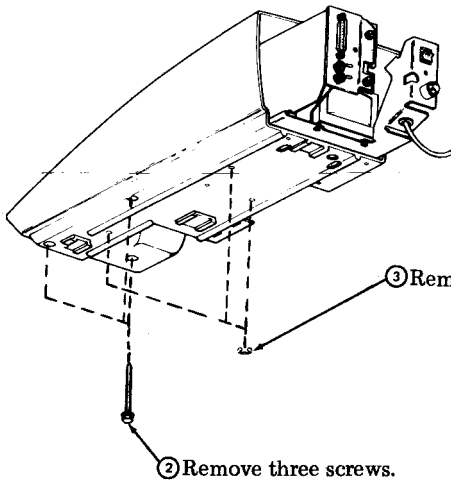
3.02 To remove punch and reader with motor:

Remove main cover, wind cover and chad box.

④ Remove main and wind cover.



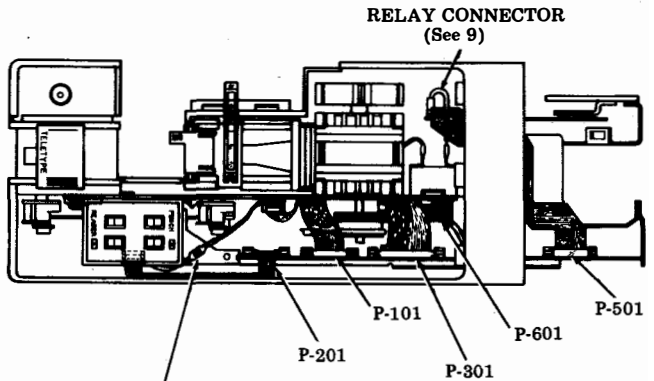
① Remove chad box.
(Pull to left and up)



③ Remove three retaining rings.

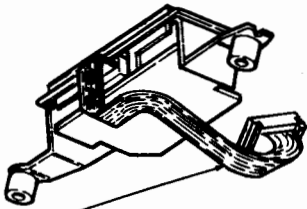
② Remove three screws.

430618 securing main cover (2).
180675 securing wing cover (1).



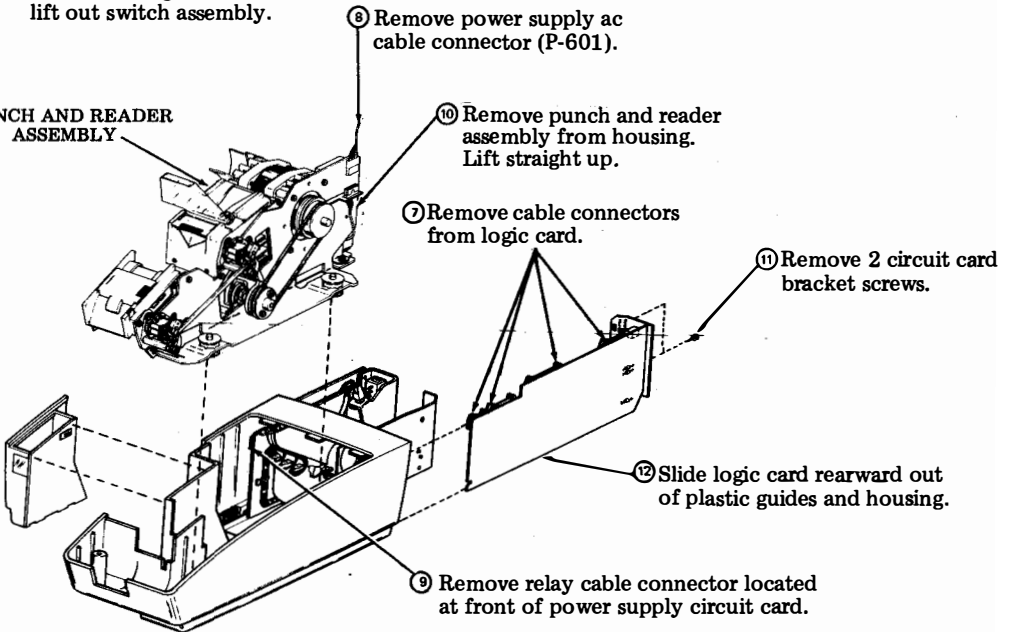
- 5 Loosen screw (nut on later units) and remove ground strap running from punch frame (412390 strap).

Note: Steps 11 and 12 need no be performed to remove Punch and Reader.



- 6 Disconnect cable connector P201 from logic card and lift out switch assembly.

PUNCH AND READER ASSEMBLY



- 8 Remove power supply ac cable connector (P-601).

- 10 Remove punch and reader assembly from housing. Lift straight up.

- 7 Remove cable connectors from logic card.

- 11 Remove 2 circuit card bracket screws.

- 12 Slide logic card rearward out of plastic guides and housing.

- 9 Remove relay cable connector located at front of power supply circuit card.

Note: During reassembly, be certain that the reader tight tape arm remains outside the opening in the cover.

410711 Logic Card

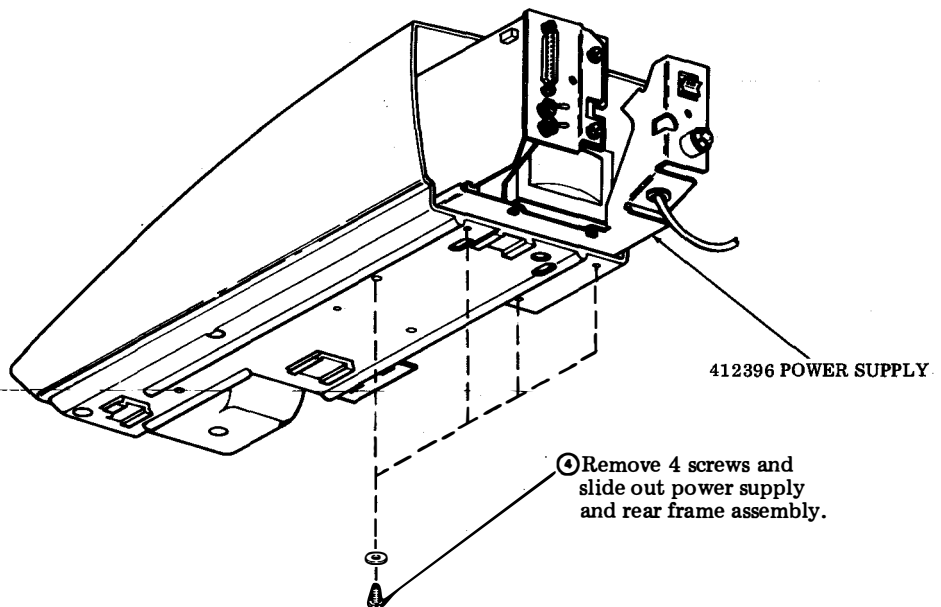
3.03 To remove the 410711 logic card assembly:

- ① Remove bustle and guard assembly. Perform 3.01, Steps 1 through 4.
- ② Remove covers. Perform 3.02, Steps 1 through 4.
- ③ Remove logic card. Perform 3.02, Steps 5, 6, 7, 11 and 12.

Power Supply and Rear Frame Assembly

3.04 To remove the power supply and rear frame assembly:

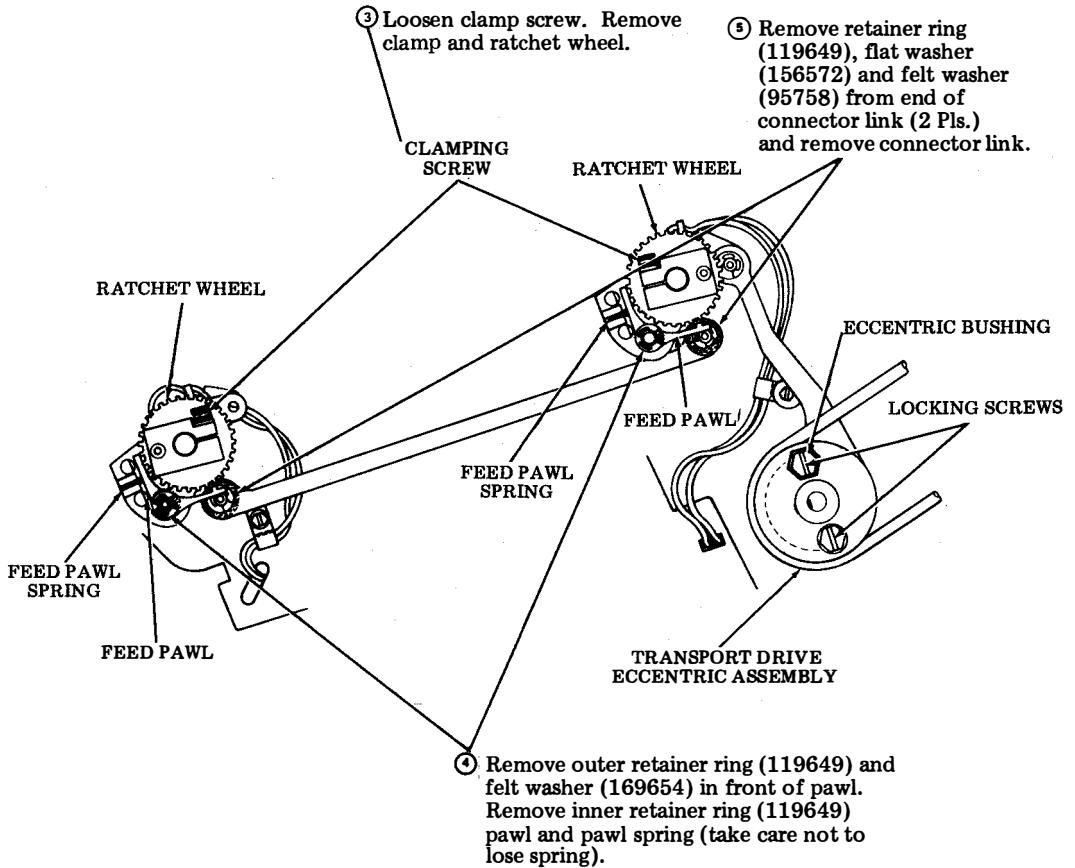
- ① Remove bustle and guard assembly. Perform 3.01, Steps 1 through 4.
- ② Remove covers and chad box. Perform 3.02, Steps 1 through 4.
- ③ Remove punch and reader assembly and logic card. Perform 3.02, Steps 5 through 12.



Transport Assemblies

3.05 To remove transport assemblies:

- ① Remove paper tape. Perform 3.01, Step 1.
- ② Remove punch and reader assembly. Perform 3.02, Steps 1 through 10.

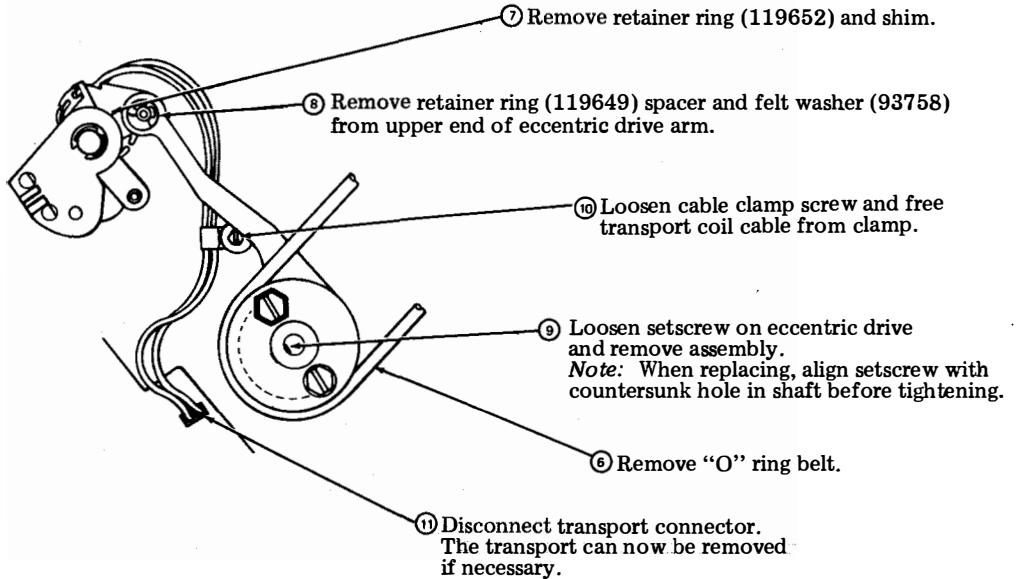


Note: When replacing, carefully compress spring in hole as pawl is moved onto post in front of spring.

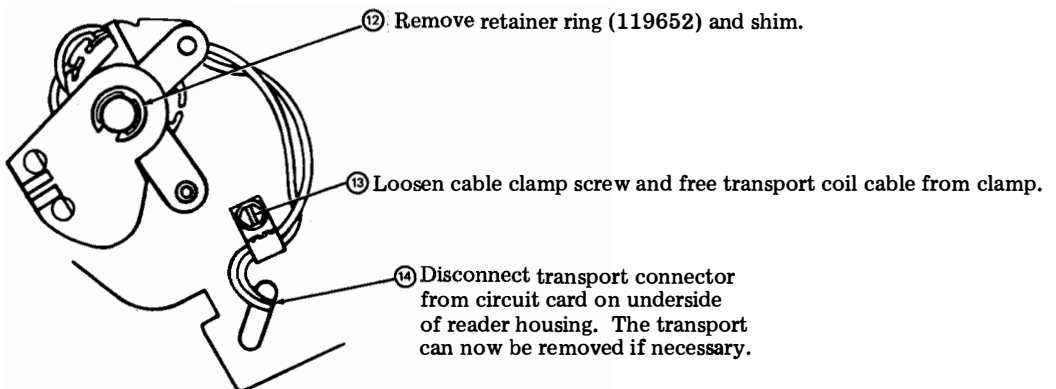
Steps 6 through 11 for Punch transport.

Steps 12 through 14 for Reader transport.

To remove punch transport assembly:



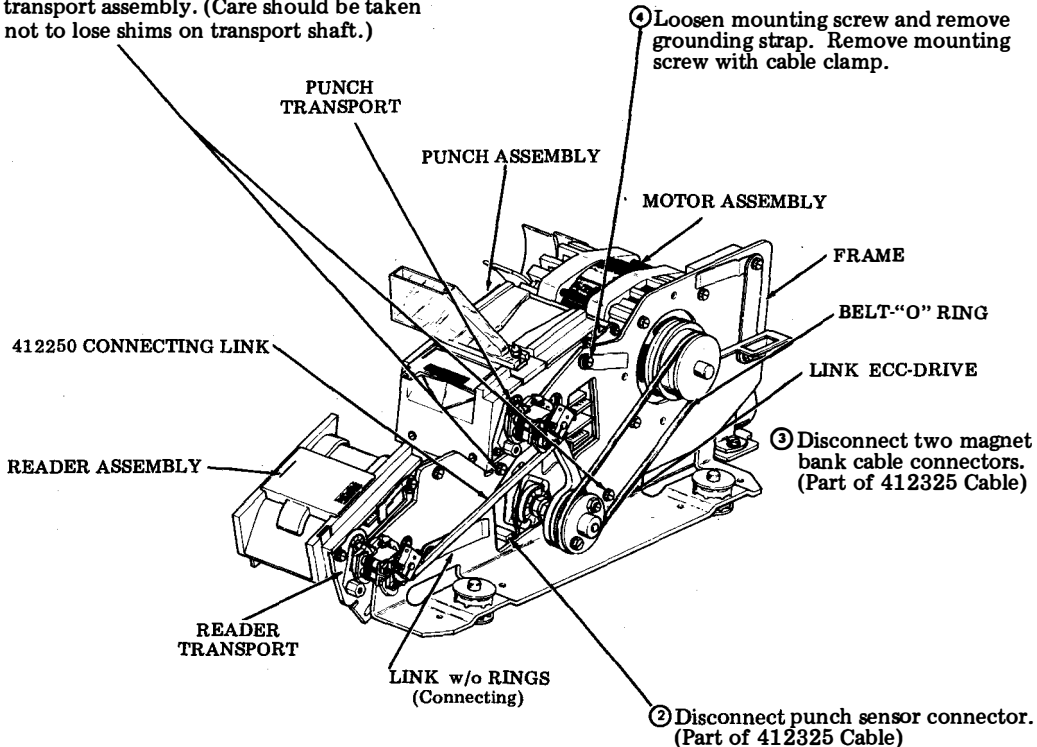
To remove reader transport assembly:



Punch Assembly

3.06 To remove punch assembly:

- ① Perform paragraph 3.05 Steps 1, 2, 3, 6, 7, 9, 10 and 11.
- ⑤ Remove two remaining mounting screws. Move punch assembly to left away from center frame, disconnecting link from transport assembly. (Care should be taken not to lose shims on transport shaft.)



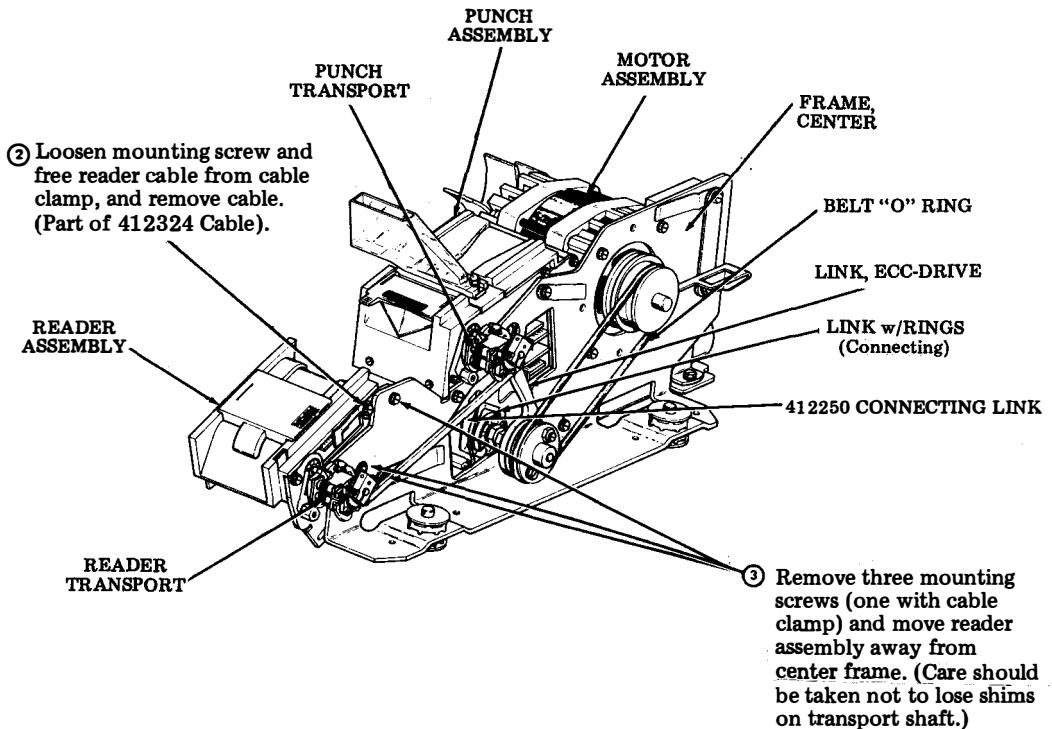
Note 1: In reassembly, the Feed Pawl and Ratchet Wheel Engagement adjustment must be made.

Note 2: In reassembly connect link to transport assembly while mounting punch to center frame.

Reader Assembly

3.07 To remove reader assembly

- ① Perform paragraph 3.05, Steps 1, 2, 3, 12, 13, and 14.



Note: In reassembly, the Feed Pawl and Ratchet Wheel Engagement adjustment must be made.