

38 ASR TELETYPEWRITER

REMOVAL AND REPLACEMENT OF COMPONENTS

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1. GENERAL

1.01 This section provides instructions for removal and replacement of Model 38 Automatic Send-Receive (ASR) components. It is reissued to make some changes. Marginal arrows indicate the changes. If disassembly and reassembly of components is required, refer to the related component section.

1.02 For tools to remove and replace components, refer to Section 570-005-800TC.

CAUTION: DISCONNECT POWER AND REMOVE CONNECTORS FROM EXTERNAL RECEPTACLES.

2. REMOVAL AND REPLACEMENT OF COMPONENTS

COVER

2.01 Remove cover (Figure 1) from teletypewriter as follows:

- (a) Pivot cover until its stop arm locks cover in place.

- (b) Disconnect ground strap from ground terminal at left rear of base pan.

- (c) Unhook top of spring from stop arm.

- (d) Remove screw, washer, and spacer from top of stop arm.

- (e) Rotate cover about 100 degrees, slide it to right until it is clear of its hinges, and then remove cover.

2.02 Replace cover by reversing procedure in 2.01.

KEYBOARD HOOD

2.03 Remove keyboard hood (Figure 2) as follows:

- (a) Pivot cover until its stop arm locks in place.

- (b) Disconnect mode switch assembly from under keyboard hood.

- (c) Disengage keyboard hood latches (left and right side) from keyboard.

- (d) Slide keyboard hood forward, and remove it from keyboard.

2.04 Replace keyboard hood by reversing procedure in 2.03.

KEYBOARD

2.05 Remove keyboard (Figure 3) as follows:

- (a) Remove cover and keyboard hood, 2.01 and 2.03.

- (b) Disconnect J3 from P3 on connector panel at rear of printer.

- (c) Disengage cable from cable clip on base pan at right of keyboard.

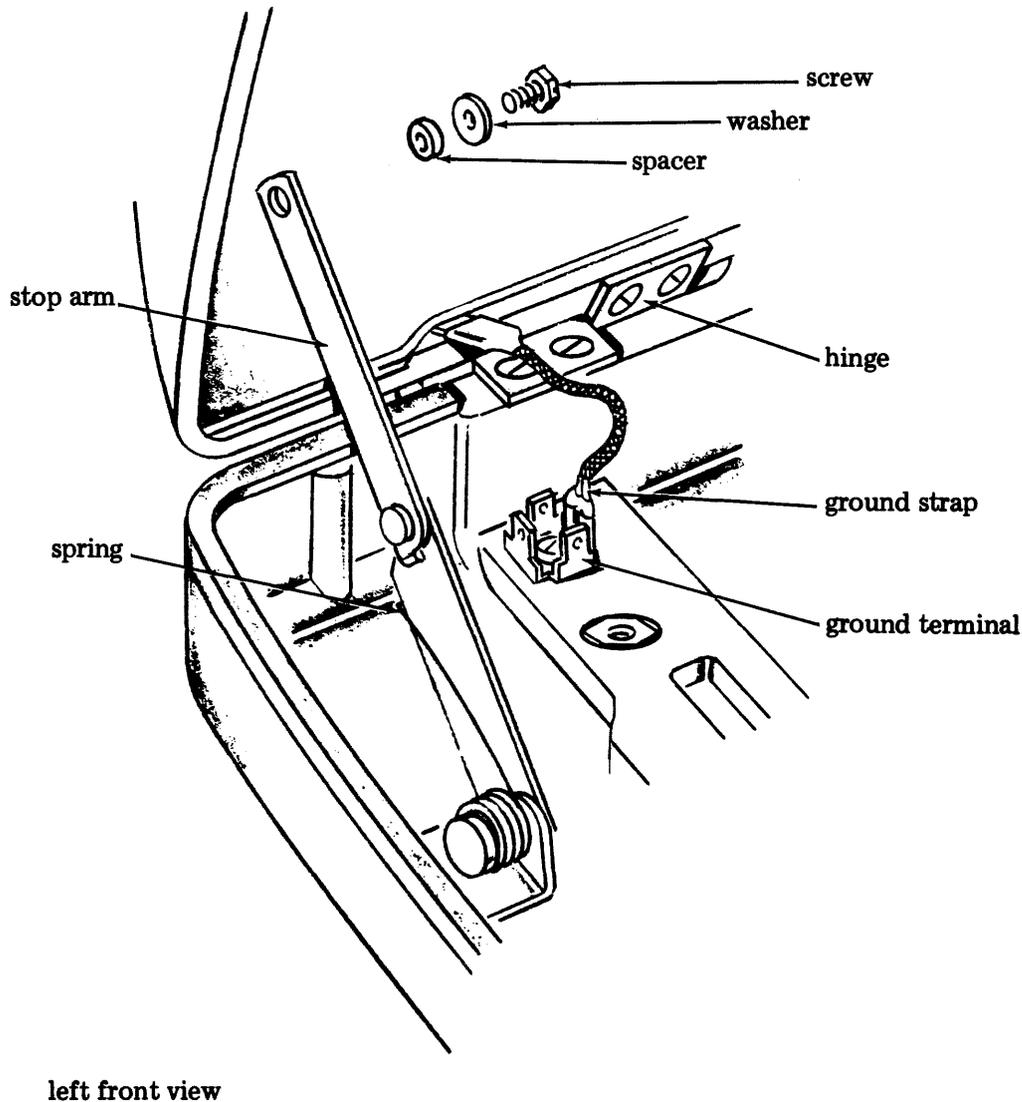


Figure 1 - 38 Teletypewriter Cover

(d) Remove two mounting screws (at left and right side of keyboard) from mounting brackets.

(e) Insert screwdriver in slot of H-plate and slide plate left until it disengages from trip arm, then remove H-plate.

2.06 Replace keyboard by reversing procedure in 2.05. →

PRINTER

2.07 Remove printer (Figure 4) as follows:

(a) Remove cover and keyboard hood, 2.01 and 2.03. →

(b) Disconnect J3, J6, and J8 from connector panel at rear of printer.

(c) Disconnect J17 (three-wire motor cable) from P17.

(d) Remove ground wire (green lead) from under the screw at rear hole in connector panel.

(e) Disconnect ground strap from terminal at rear of base pan.

(f) Lift printer from base pan; do not lift printer from selector. Grasp corners of printer casting to lift up.

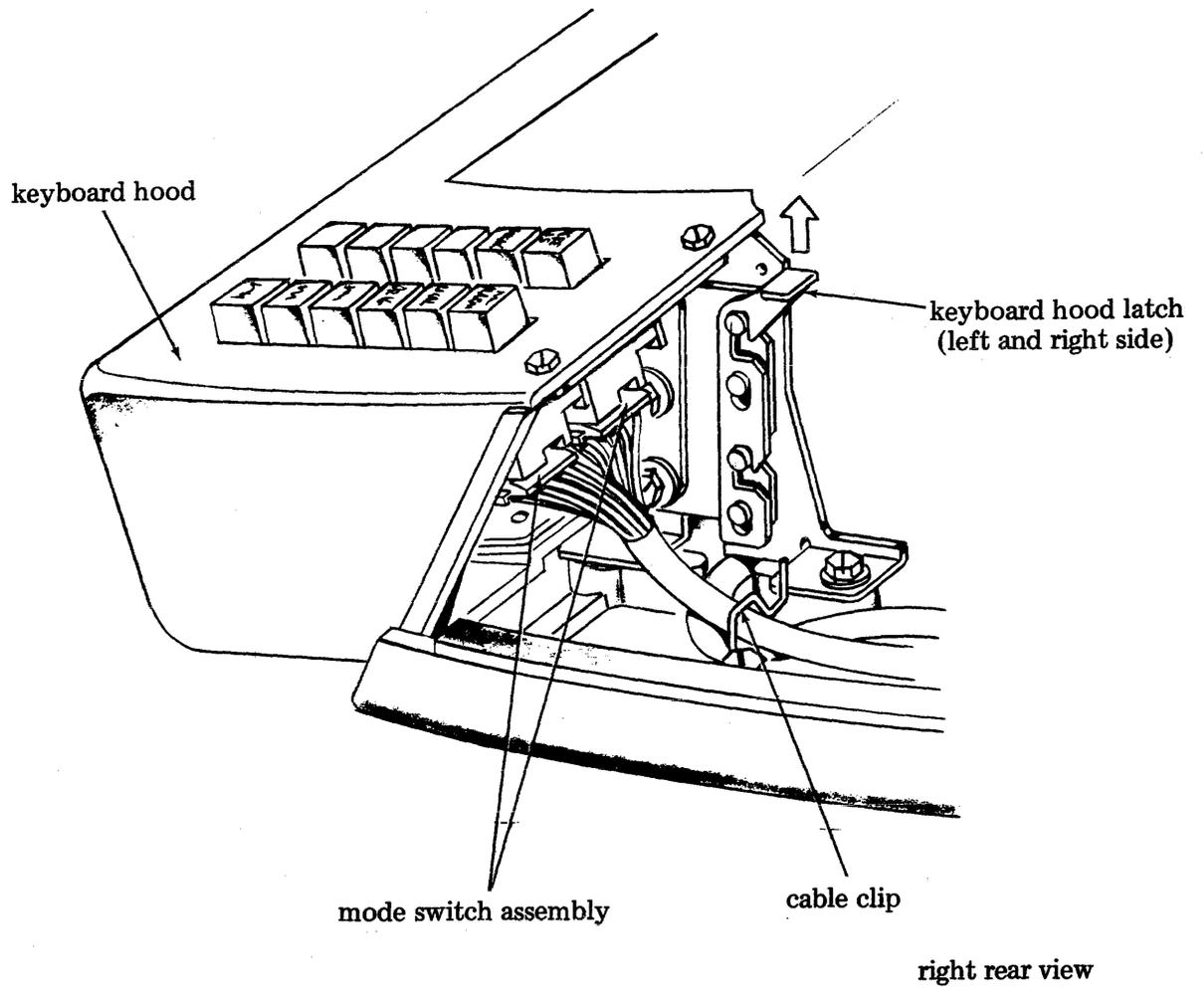


Figure 2 - Keyboard Hood

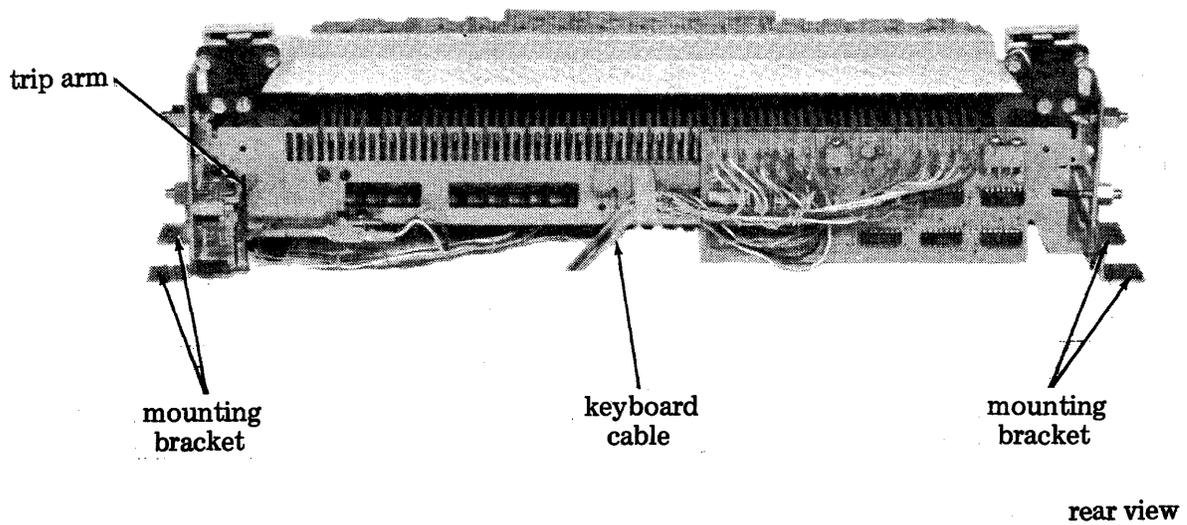


Figure 3 - Keyboard

NOTE: The reader and punch are attached to left side of printer and can be removed with the printer. To remove the reader and/or punch, refer to 2.11 and 2.13.

2.08 Replace printer by reversing procedure in 2.07.

ELECTRICAL SERVICE UNIT

2.09 Remove electrical service unit (ESU) (Figure 5) as follows:

(a) Disconnect power cable.

(b) Remove clamp from power cable at lower left rear of pedestal.

(c) Remove two screws from top of rear panel.

(d) Remove rear panel.

(e) Remove cover as outlined in 2.01.

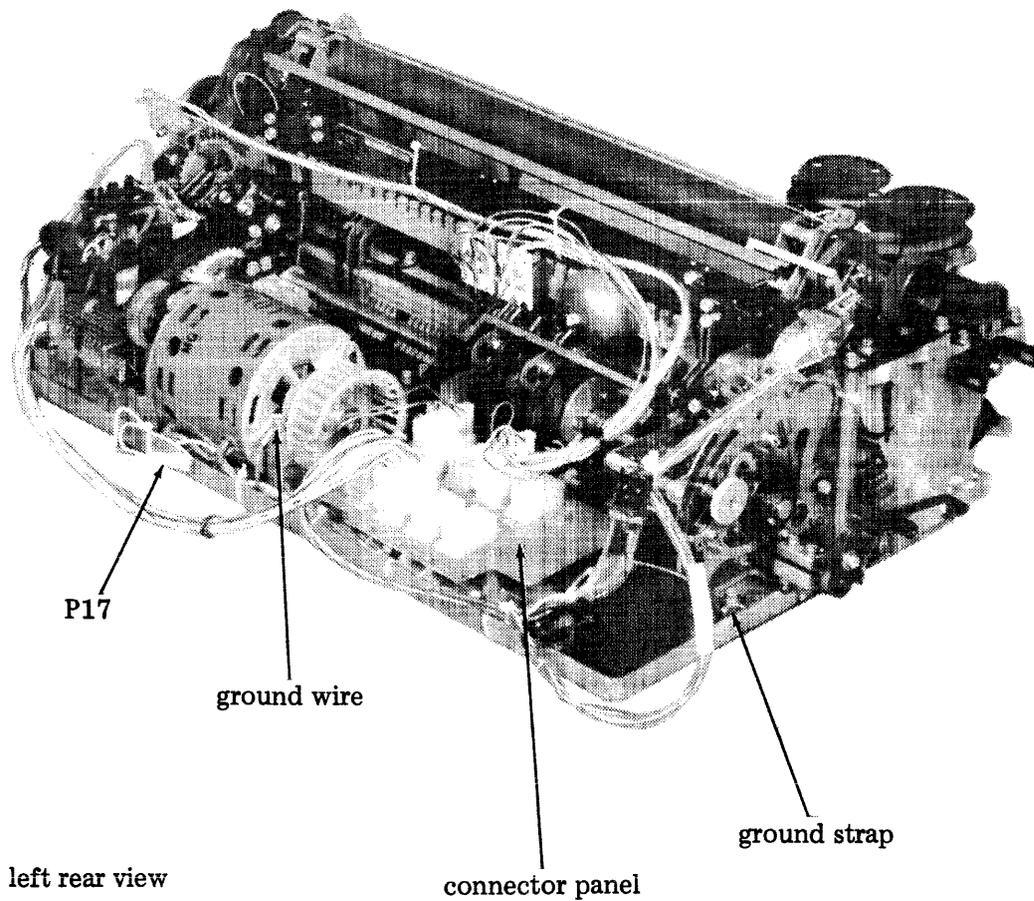


Figure 4 - 38 Printer

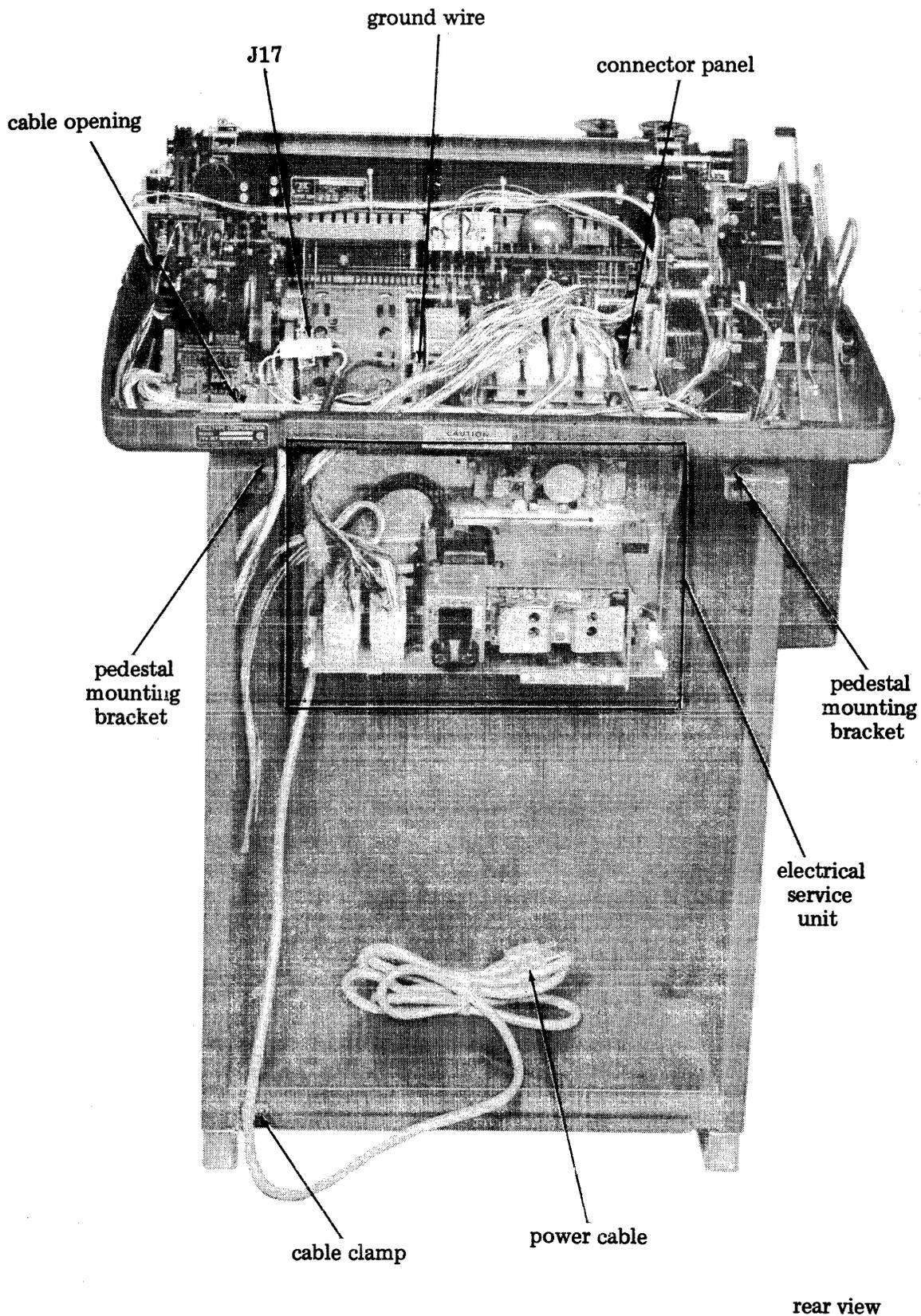


Figure 5 - Electrical Service Unit

- (f) Disconnect J6 and J8 from connector panel at rear of printer.
- (g) Disconnect mode switch assembly cable from under right side of keyboard hood.
- (h) Guide disconnected cables down through opening at right rear of base pan.
- (i) Remove two mounting screws from left and right side of pedestal mounting brackets.
- (j) Slide ESU off mounting brackets and remove.

2.10 Replace ESU by reversing procedure in 2.09.

READER

2.11 Remove reader (Figure 6) as follows:

- (a) Remove cover and keyboard hood, 2.01 and 2.03.
- (b) Disconnect J2 from connector panel at rear of printer.

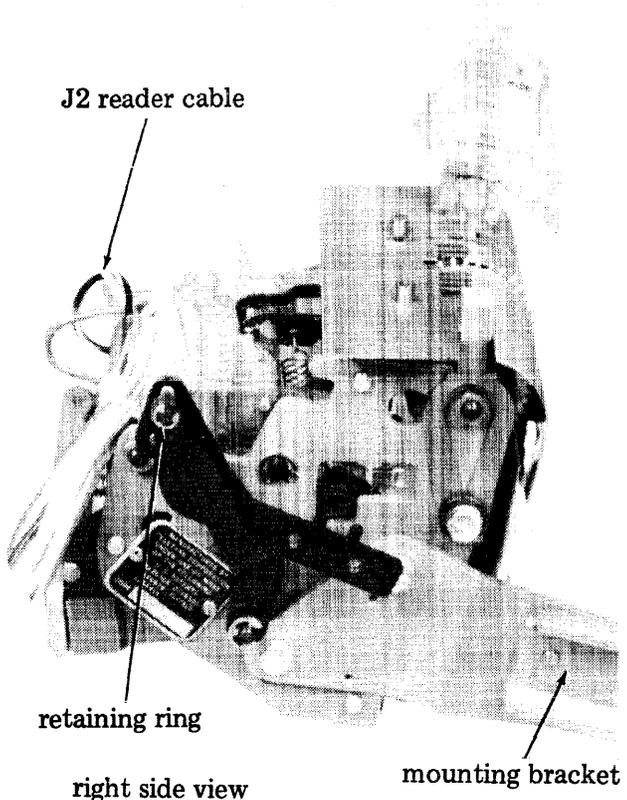


Figure 6 - Model 38 Reader

- (c) Remove retaining ring from control arm drive link.
- (d) Remove two screws from reader mounting bracket attached to printer casting and remove reader.

2.12 Replace reader by reversing procedure in 2.11.

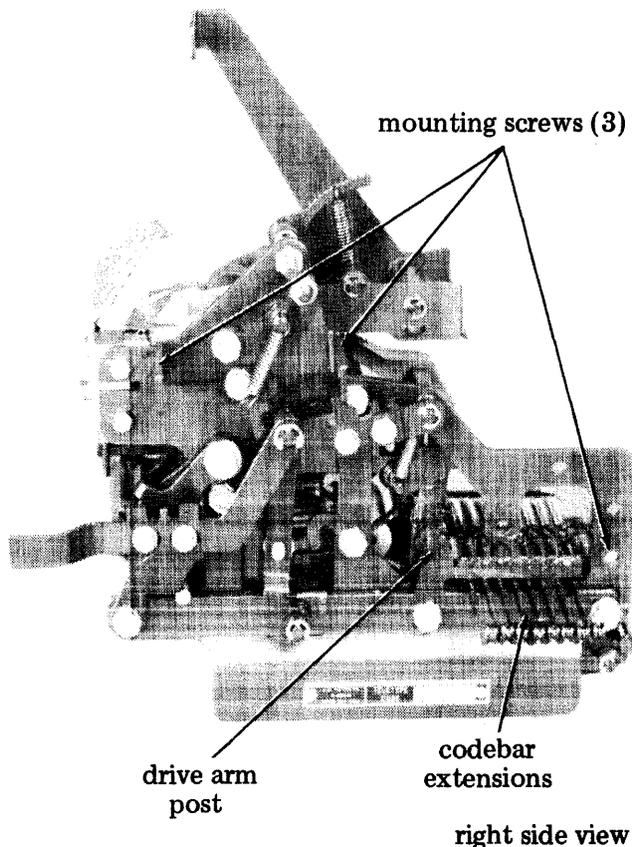


Figure 7 - Model 38 Punch

PUNCH

2.13 Remove punch (Figure 7) as follows:

- (a) Remove cover and keyboard hood, 2.01 and 2.03.
- (b) Unhook spring from drive arm control.
- (c) Rotate drive arm until it is clear of the codebar extensions.
- (d) Remove three mounting screws, and remove punch.

2.14 Replace punch by reversing procedure in 2.13.