

28 PERFORATOR-TRANSMITTER-BASE REQUIREMENTS AND ADJUSTMENTS

1. GENERAL

1.001 This addendum supplements Section P34.660, Issue 2.

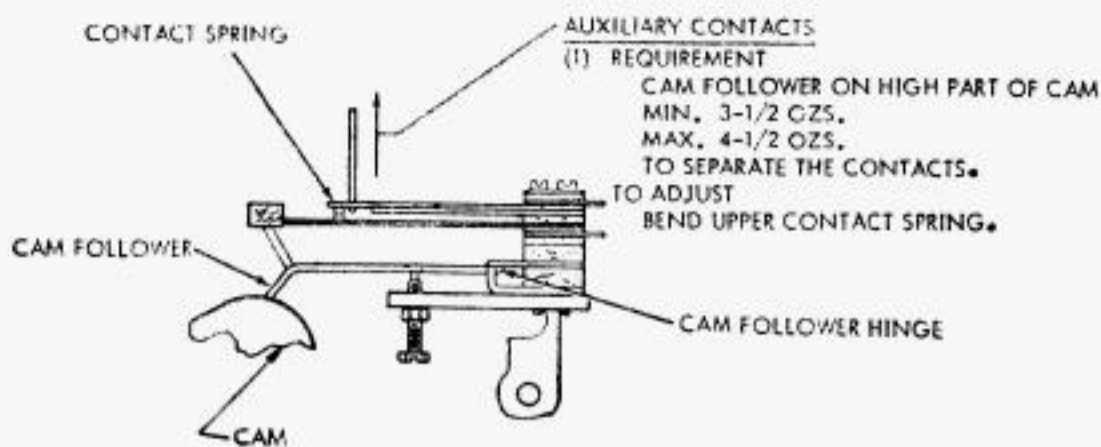
1.002 This addendum is issued to revise requirements on the manual and power-drive backspace mechanisms, to add requirements for auxiliary contacts, letters and figures contacts, and transmitting code-reading contacts, and to add reference to another associated Bell System Practice.

2. REQUIREMENTS AND ADJUSTMENTS

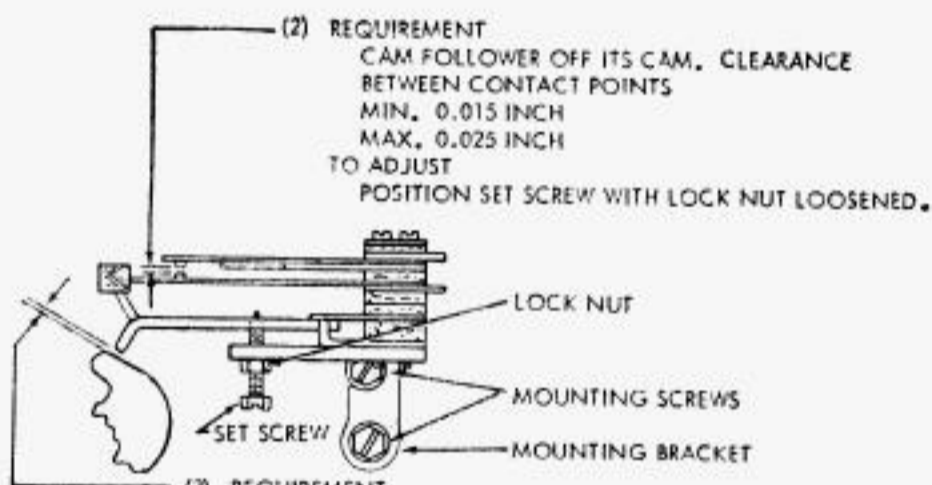
The following changes apply to Part 2 of the section:

- (a) 2.17.1, 2.17.2, 2.17.3—added
- (b) 2.64—revised
- (c) 2.64.1—added
- (d) 2.65, 2.66, and 2.68—revised

2.17.1 Auxiliary Contacts



(1) REQUIREMENT
 CAM FOLLOWER ON HIGH PART OF CAM
 MIN. 3-1/2 OZS.
 MAX. 4-1/2 OZS.
 TO SEPARATE THE CONTACTS.
 TO ADJUST
 BEND UPPER CONTACT SPRING.

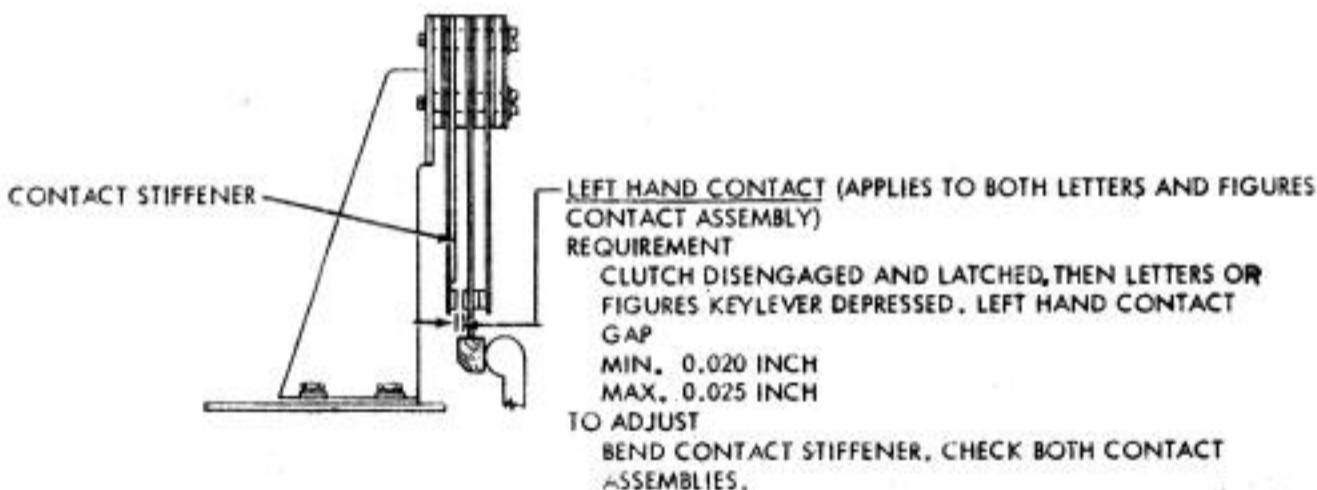
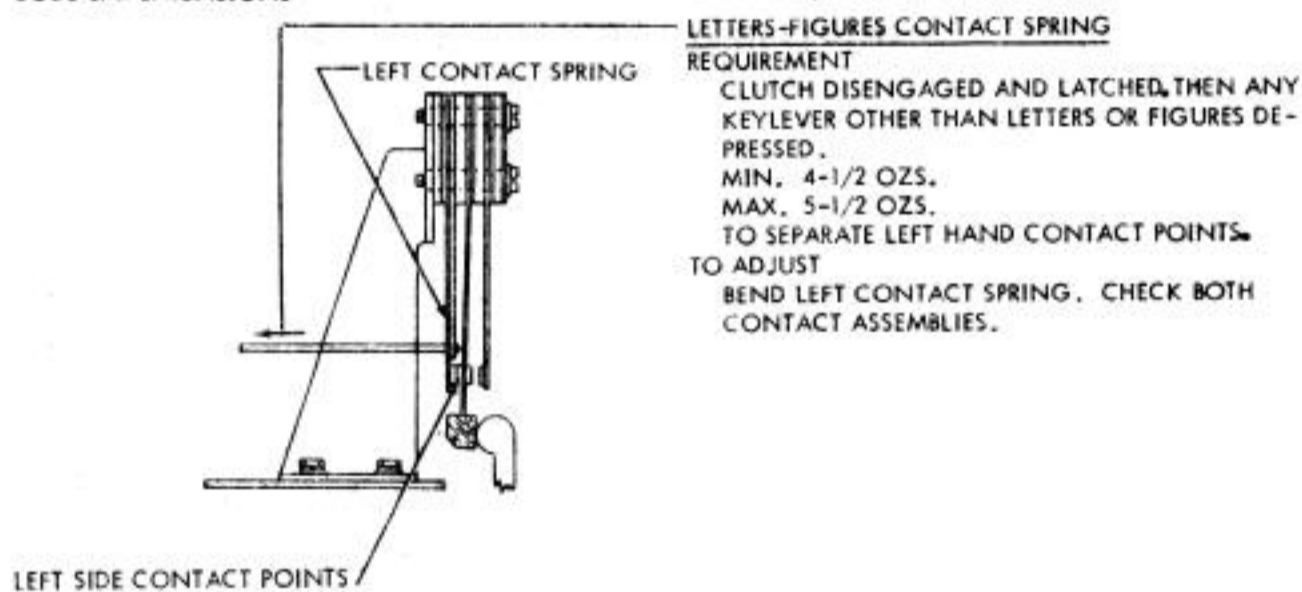
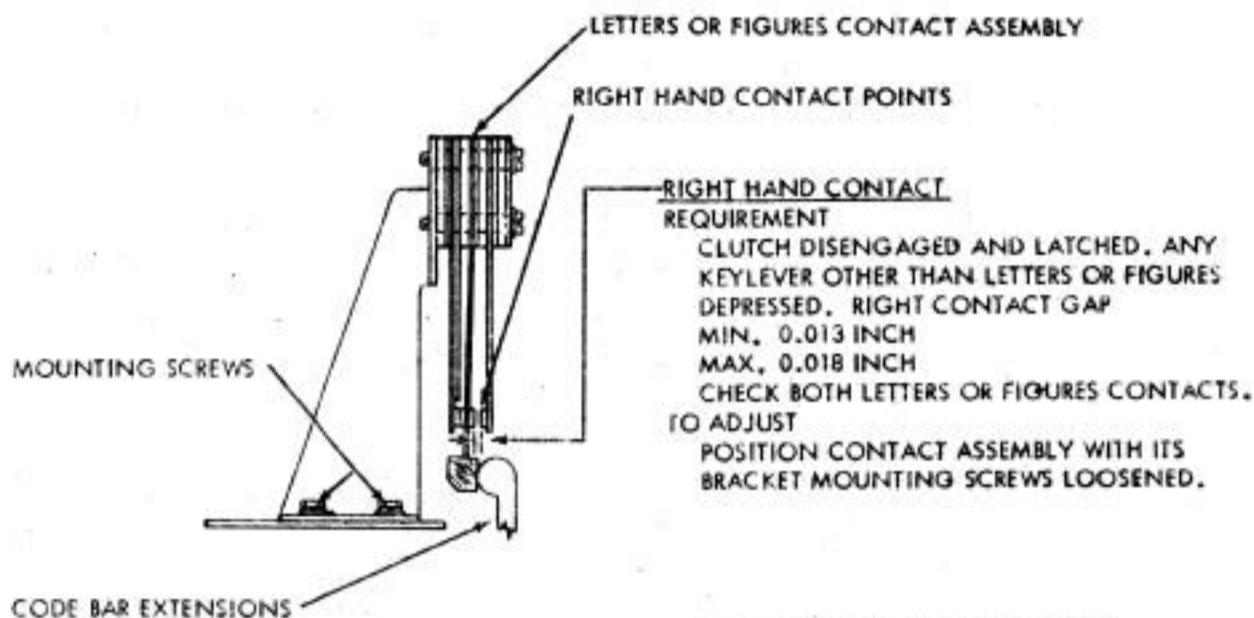


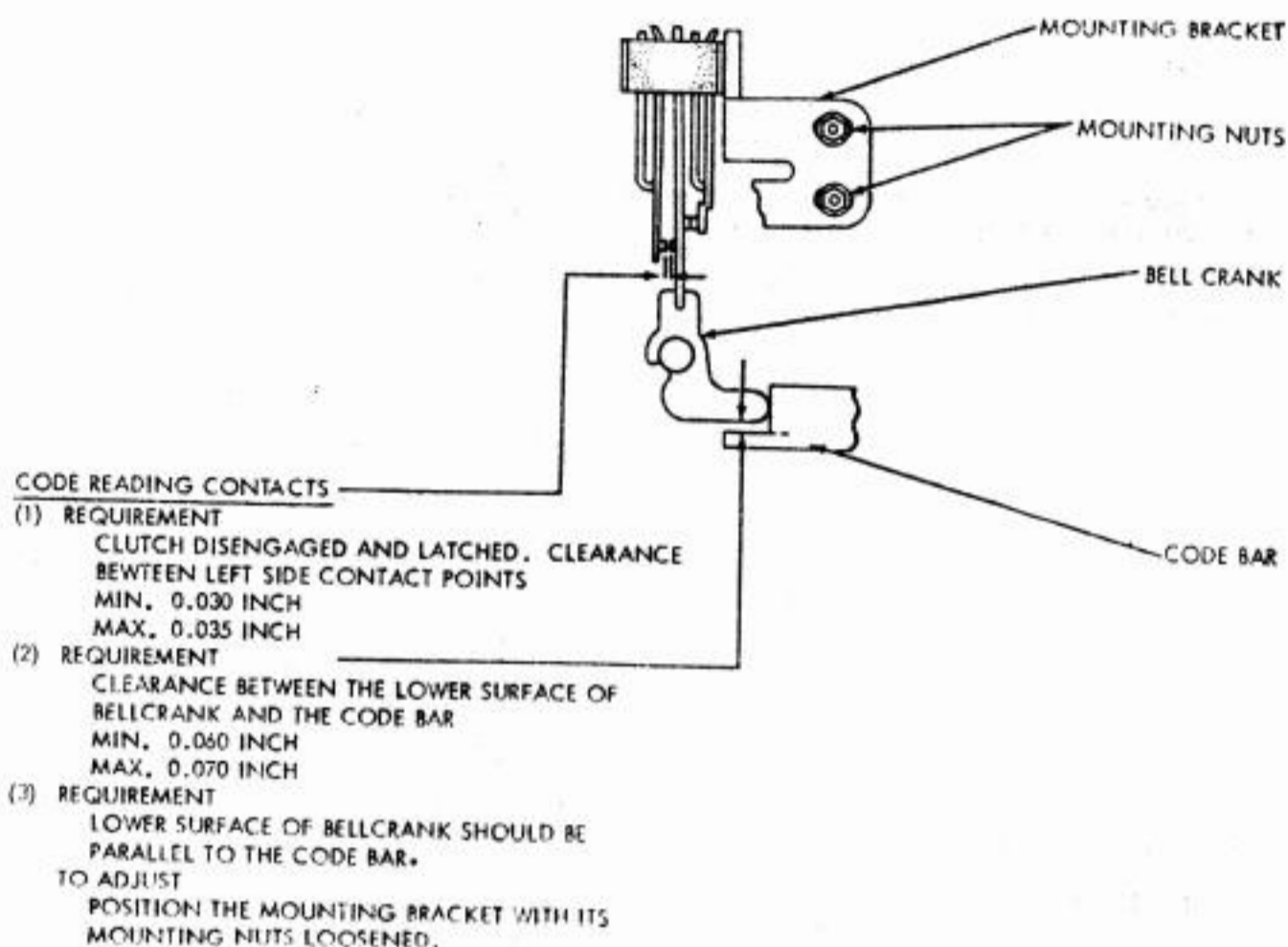
(2) REQUIREMENT
 CAM FOLLOWER OFF ITS CAM. CLEARANCE
 BETWEEN CONTACT POINTS
 MIN. 0.015 INCH
 MAX. 0.025 INCH
 TO ADJUST
 POSITION SET SCREW WITH LOCK NUT LOOSENED.

(3) REQUIREMENT
 CLUTCH DISENGAGED. CLEARANCE BETWEEN CAM
 FOLLOWER AND CAM
 MIN. SOME
 MAX. 0.005
 TO ADJUST
 POSITION MOUNTING BRACKET WITH ITS MOUNTING
 SCREWS LOOSENED. THIS ADJUSTMENT IS TO BE REFINED
 WHEN STROBING IS DONE.

NOTE
 THERE SHOULD BE AT LEAST 0.010 CLEARANCE BETWEEN
 THE CONTACT GUARD AND THE TRANSFER BAIL; AND
 THERE SHOULD BE AT LEAST 0.015 INCH CLEARANCE
 BETWEEN THE LOWER EXTENSION OF THE CAM FOLLOWER
 ARM AND THE INSIDE SURFACE OF THE CLUTCH DISK.
 IF NECESSARY, LOOSEN THE TWO CONTACT ASSEMBLY
 MOUNTING SCREWS AND POSITION THE CONTACT
 ASSEMBLY AND THE CAM FOLLOWER HINGE.

2.17.2 Letters and Figures Contacts



2.17.3 Code-reading Contacts (Transmitting)

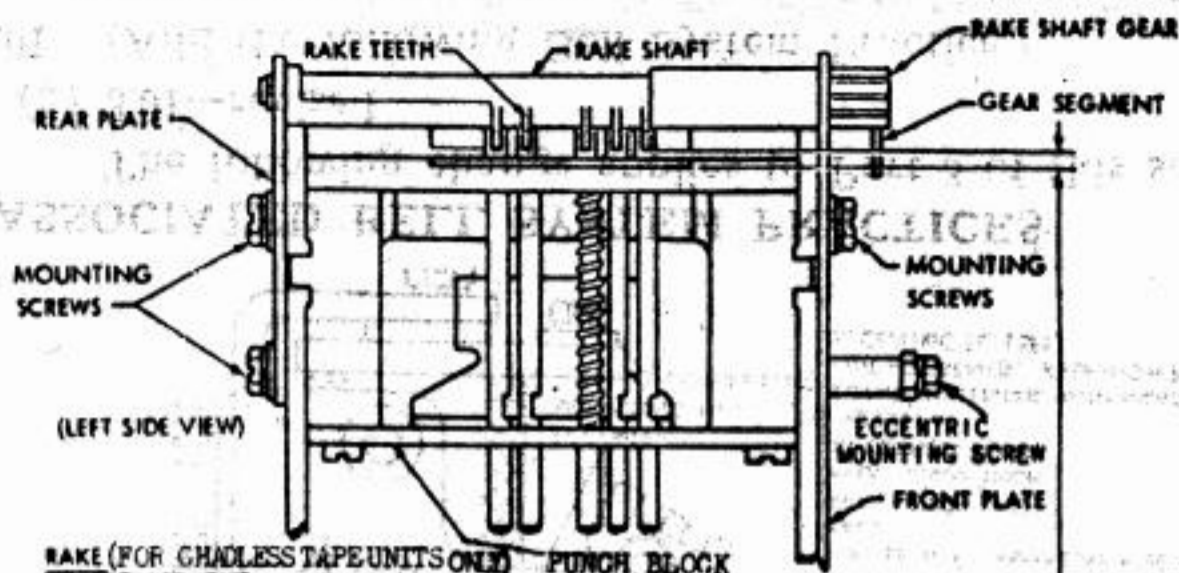
2.64 **Single-magnet Nontyping Reperforator:** Where a non-typing reperforator of this design is part of a 28 perforator-transmitter-base, the adjustment requirements specified for the reperforator in the section entitled 28 Nontyping Reperforator and Base, Requirements and Adjustments should be applied.

2.64.1 **Multimagnet Nontyping Reperforator:** Where a non-typing reperforator of this design is part of a 28 perforator-transmitter-base, the adjustment requirements specified in the section entitled 28 Multimagnet Nontyping Reperforator, Requirements and Adjustments should be applied.

2.65 **Typing Reperforator:** Where a typing reperforator is part of a 28 perforator-transmitter-base, the adjustment requirements specified in the section entitled 28 Typing Reperforator, Requirements and Adjustments should be applied.

E. Variable Features

2.66 Backspace Mechanism (Manual and Power Drive)



RAKE (FOR CHADLESS TAPE UNITS ONLY) PUNCH BLOCK

(1) REQUIREMENT

WITH ROTATIONAL PLAY IN RAKE TAKEN UP TO LEFT, BOTTOM SURFACE OF RAKE TEETH SHOULD BE IN SAME VERTICAL PLANE AS LEFT SIDE OF PUNCH BLOCK OR SLIGHTLY TO THE RIGHT.

TO ADJUST

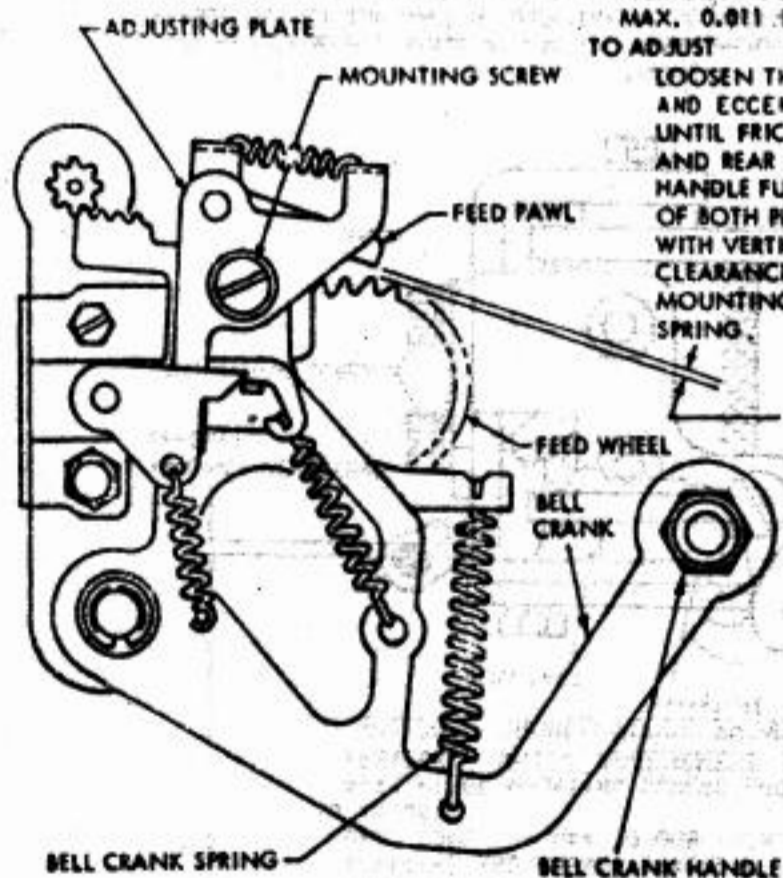
REMOVE TWO MOUNTING SCREWS FROM REAR PLATE. POSITION RAKE SHAFT GEAR IN RELATION TO GEAR SEGMENT. REPLACE MOUNTING SCREWS.

(2) REQUIREMENT

WITH BELLCRANK SPRING UNHOOKED AND RAKE IN OPERATED POSITION, CLEARANCE BETWEEN BOTTOM OF RAKE TEETH AND LOWER SURFACE OF TAPE SLOT: MIN. 0.007 INCH MAX. 0.011 INCH (CHECK AT NO. 1 & 5 PINS.)

TO ADJUST

LOOSEN THREE MOUNTING SCREWS AND ECCENTRIC MOUNTING SCREW UNTIL FRICTION TIGHT. POSITION FRONT AND REAR PLATES, WITH BELL CRANK HANDLE FULLY DEPRESSED, UNTIL LEFT EDGES OF BOTH PLATES ARE APPROXIMATELY IN LINE WITH VERTICAL PLANE OF PUNCH BLOCK AND CLEARANCE MEETS THE REQUIREMENT. TIGHTEN MOUNTING SCREWS AND REPLACE BELL CRANK SPRING.



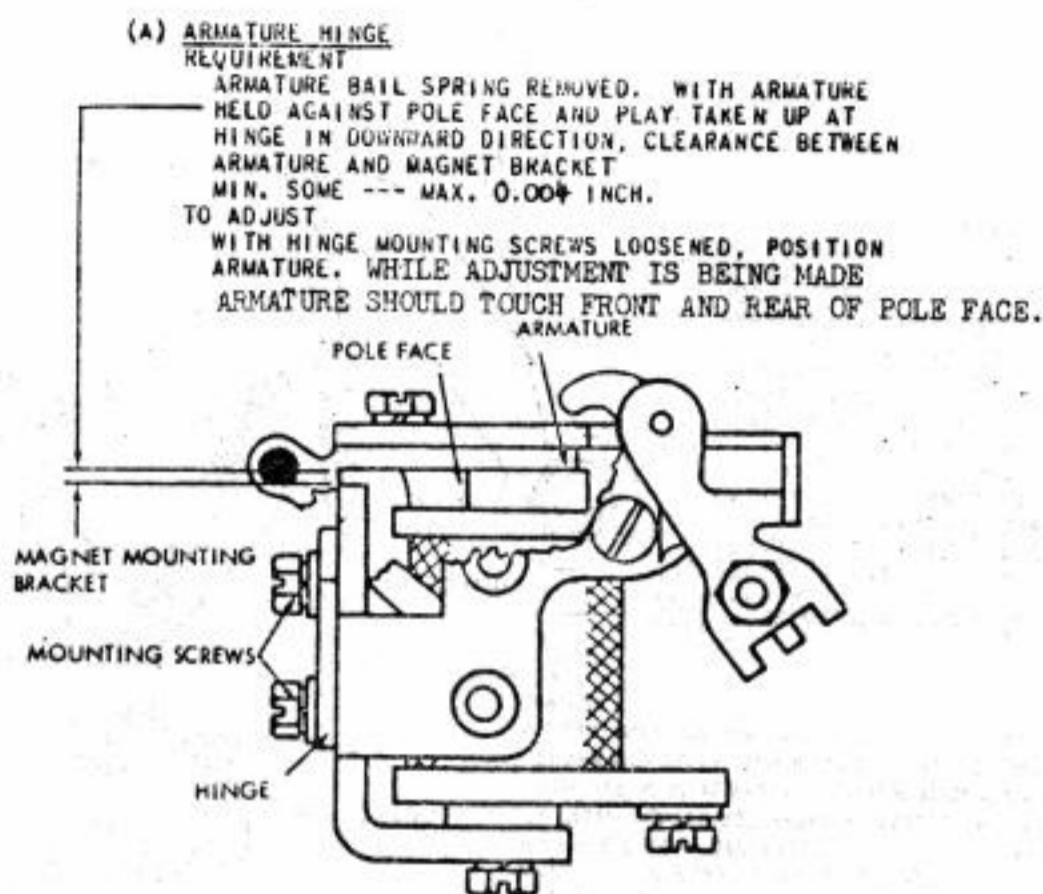
FEED PAWL ADJUSTING PLATE REQUIREMENT

- (1) PRELIMINARY: WITH BELL CRANK ROTATED CLOCKWISE, FEED PAWL SHALL MISS FIRST TOOTH AT POINT OF LEAST CLEARANCE BY MIN. 0.008 INCH - MAX. 0.040 INCH
- (2) FINAL: FEED PAWL SHALL MISS FIRST TOOTH AND ENGAGE SECOND TOOTH BY AT LEAST 1/2 OF RIGHT ENGAGING SURFACE OF FEED PAWL (AS GAUGED BY EYE WHEN FEED PAWL FIRST CONTACTS RATCHET TOOTH).

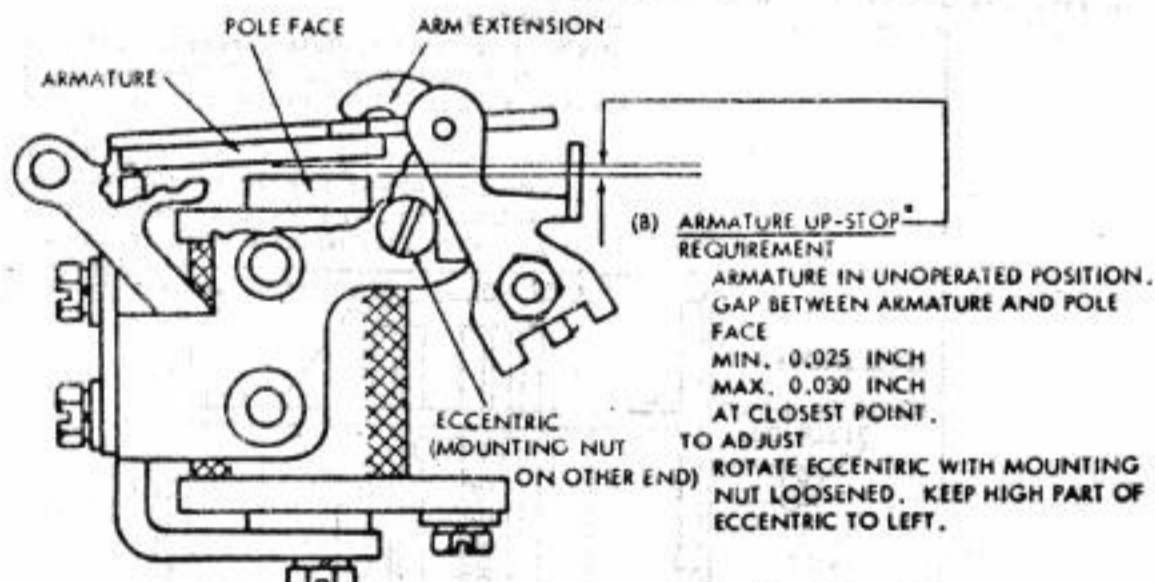
TO ADJUST

POSITION ADJUSTING PLATE WITH MOUNTING SCREW FRICTION TIGHT.

2.68 Backspace Mechanism (Power Drive)



*NOTE:
THIS ADJUSTMENT IS MADE AT FACTORY AND SHOULD NOT BE DISTURBED UNLESS A REASSEMBLY OF THE UNIT IS UNDERTAKEN. IF NECESSARY TO MAKE THIS ADJUSTMENT, THE PUNCH UNIT SHOULD BE REMOVED. SEE DISASSEMBLY AND REASSEMBLY. REMAKE PUNCH UNIT POSITION ADJUSTMENT.



3. **ASSOCIATED BELL SYSTEM PRACTICES**

The following change applies to Part 3 of this section:

(a) 3.01—revised

3.01 (Add the following Bell System Practice.)

Subject

Section

28 Multimagnet Nontyping Reperforator,
Requirements and Adjustments

P34.662