

EJECTOR MECHANISM

As the card rack moves into the last column punching position, the card is between the card gripper jaws which are held open when latched by the card gripper opener stud right. At this time the card retainer, left, operates against its release pin and the card is held in position by the positive card stop.

When the stacker magnet is energized, the card gripper latch releases the card grippers, which close, holding the card by action of a spring, also moving the stacker fingers to the right to clear the card while it is being ejected.

When the latch releases the card grippers, the stacker spring operates against a rack and through a train of gears, moving the card gripper assembly in an arc to the left until the card gripper opener stud left operates against a cam, opening the card gripper and releasing the card, which is guided into the card box by the return of the stacker fingers to their normal position.

As the stacker rack reaches the limit of its travel to the right, it operates a bell crank, closing the auto start ejector contact, which energizes the trip magnet, automatically starting a new card feed cycle.

As the card rack moves from the last column during the feed cycle, the stacker magnet circuit is opened allowing the card gripper latch and stacker fingers to return to their respective normal positions. The card feed rack near the end of the feeding stroke operates the stacker rack and the train of gears, returning the card gripper assembly to its normal latched position.

ADJUSTMENTS

A. Adjust Latch shaft adjusting screws so that the lower gripper jaw is level with the card bed when in latched position.

B. Adjust card gripper jaw opener stud right for clearance of .015" to .020" when latched.

C. Adjust card gripper opener stud left to open the gripper jaws .010" to .015" at center of stacker fingers.

D. Adjust spring stud so that stacker fingers will not strike stacker box with the stacker fingers in their normal position.

E. Adjust stop nuts so the card gripper jaws do not travel past the center of stacker fingers.

F. Adjust the stacker magnet assembly so the armature is square with the magnet cores and at right angles with the base.

G. Adjust latch tripper link with the stacker magnet armature in its attracted position so that the card gripper latch will clear the gripper jaw latching point at least 1/32". At the same time check to see that the stacker fingers clear the ejected card approximately 1/8" and do not touch the left end of the base.

H. Adjust the stacker armature backstop screw so there will be a clearance of .020" to .030" between the latch tripper link and the card gripper latch when the card grippers are latched and the armature is in its normal position.

I. The lower strap of the auto start contact should be depressed 1/32" off brass support when the gripper jaws are resting on the stop nuts of the card gripper jaws opener stud left.

J. Adjust the stacker plunger stud so the card gripper jaws latch and the dog drops into number ONE tooth just before the kickover pawl operates to disengage drive pawl from motor drive ratchet.

K. Adjust Dashpot barrel so the shaft is perfectly free when the gripper jaws are in their extreme left or right hand position.

L. Adjust dashpot shaft for .015" to .020" end shake in bracket.

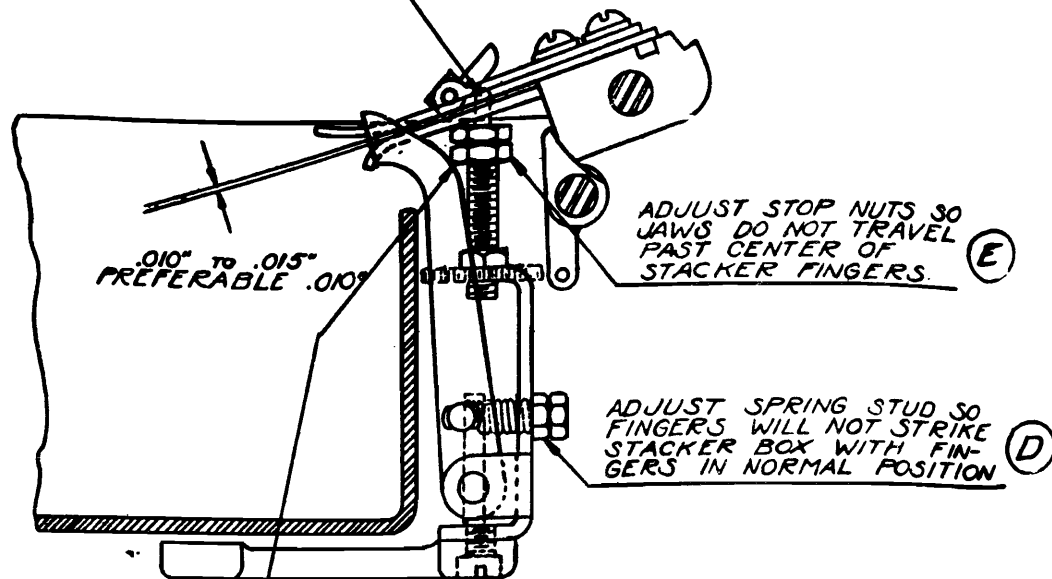
M. Adjust needle valve in right end of Dashpot so the Ejector jaws do not rebound and the cards are placed evenly in the stacker box.

N. Adjust card retainer release pin so the card retainer will operate and release between 44th or 79th and the 45th or 80th columns.

O. Adjust Positive card stop to hold the card in perfect alignment for the last column registration.

P. Adjust operating spring for full tension.

ADJUST JAW OPENER STUD TO OPEN GRIPPER JAWS .010" TO .015" AT CENTER OF STACKER FINGERS (C)

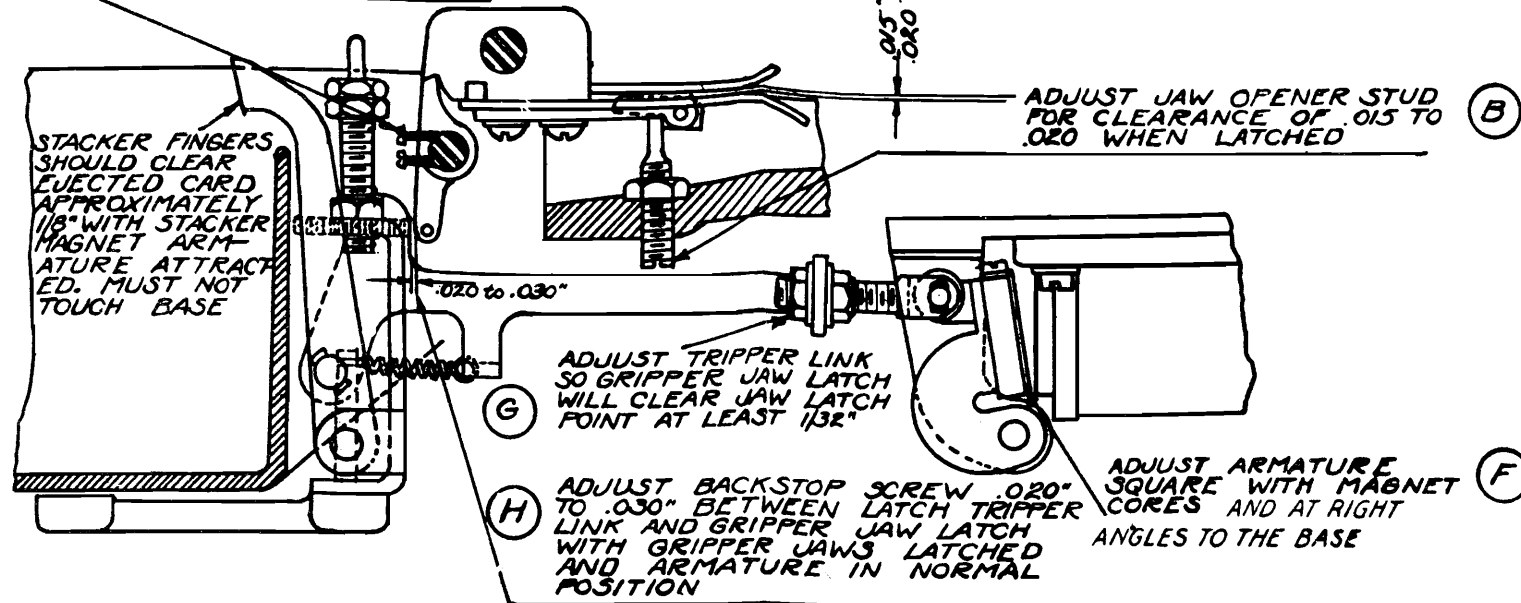


.010" TO .015" PREFERABLE .010"

ADJUST STOP NUTS SO JAWS DO NOT TRAVEL PAST CENTER OF STACKER FINGERS. (E)

ADJUST SPRING STUD SO FINGERS WILL NOT STRIKE STACKER BOX WITH FINGERS IN NORMAL POSITION (D)

ADJUST SCREWS SO LOWER GRIPPER JAW IS LEVEL WITH CARD BED (A)



ADJUST JAW OPENER STUD FOR CLEARANCE OF .015 TO .020 WHEN LATCHED (B)

STACKER FINGERS SHOULD CLEAR EJECTED CARD APPROXIMATELY 1/8" WITH STACKER MAGNET ARMATURE ATTRACTED. MUST NOT TOUCH BASE

ADJUST TRIPPER LINK SO GRIPPER JAW LATCH WILL CLEAR JAW LATCH POINT AT LEAST 1/32" (G)

ADJUST BACKSTOP SCREW .020" TO .030" BETWEEN LATCH TRIPPER LINK AND GRIPPER JAW LATCH WITH GRIPPER JAWS LATCHED AND ARMATURE IN NORMAL POSITION (H)

ADJUST ARMATURE SQUARE WITH MAGNET CORES AND AT RIGHT ANGLES TO THE BASE (F)

ADJUST FOR FULL TENSION OF OPERATING SPRING (P)

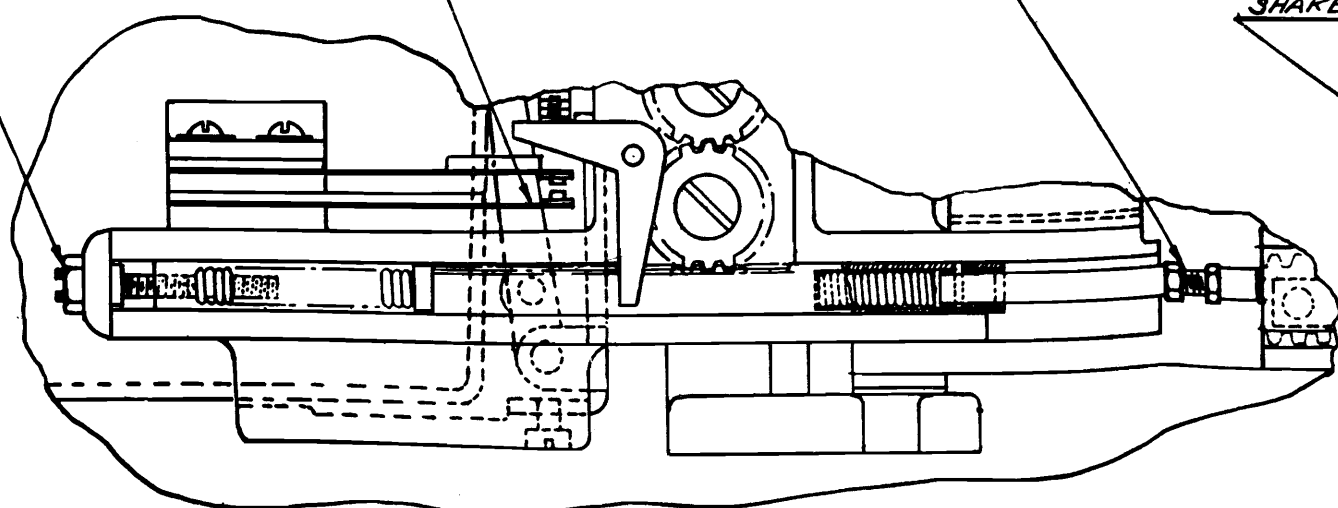
LOWER STRAP OF AUTO START CONTACT SHOULD BE DEPRESSED 1/32" WHEN GRIPPER JAWS ARE RESTING ON JAW OPENING STUD STOP NUTS (I)

ADJUST PLUNGER STUD SO GRIPPER JAWS LATCH AND DOG DROPS INTO NO. 1 COLUMN RACK TOOTH JUST BEFORE KICKOVER PAWLS OPERATE TO DISENGAGE DRIVE PAWL FROM MOTOR DRIVE RATCHET (J)

ADJUST DASHPOT BARREL SO SHAFT IS PERFECTLY FREE WHEN GRIPPER JAWS ARE LATCHED (K)

ADJUST DASHPOT SHAFT FOR .015" TO .020" END SHAKE IN BRACKET (L)

ADJUST NEEDLE VALVE SO EJECTOR JAWS DO NOT REBOUND AND CARDS ARE PLACED EVENLY IN STACKER BOX (M)



ADJUST POSITIVE CARD STOP TO HOLD THE CARD IN PERFECT ALIGNMENT FOR THE LAST COLUMN REGISTRATION (O)

ADJUST CARD RELEASE PIN SO CARD RETAINER WILL OPERATE AND RELEASE BETWEEN 44TH AND 45TH OR 7^Y AND 80TH COLUMNS (N)

