TEMPORARY CORRECTION T-2 TO TECHNICAL MANUAL FOR TELETYPEWRITERS AN/UGC-5, AN/UGC-5A, AN/UGC-5X, AN/UGC-5AX, AN/UGC-6, AN/UGC-6A, AN/UGC-6B, AN/UGC-6X, AN/UGC-6AX, AN/UGC-7, AN/UGC-7X, AN/UGC-8, AN/UGC-8X

This temporary correction, when used with NAVSHIPS 93534, covers Teletypewriters listed in Table 1-1 herein. Basically all references presently in the manual apply equally to all teletypewriters except where indicated herein.

Make the following pen and ink corrections. Insert this temporary correction in the manual immediately under the front cover, and on top of Temporary Correction T-1.

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
1-1	ORIGINAL	1-2e	Delete this paragraph and add "See T-2" for reference to the following paragraph.

e. Transmission between stations is accomplished electrically by use of the five-unit stop-start signaling code and utilizes a transmission pattern listed in Table 4-1. The operating speed may be changed by changing gears which are either supplied with the teletypewriters or available as optional components.

1-2	ORIGINAL	1-2f Table 1-1	Delete this paragraph. To this table add "See T-2" for reference to Table 1-1.
1-3	ORIGINAL	1-3a(3)	After this paragraph add "See T-2" for reference to the following paragraphs.

(4) Keyboard TT-371/UG. - Keyboard TT-371/UG is similar to Keyboard MX-2643/UG except that it is equipped for 7.00 unit code transmission and synchronous pulsed transmission.

(5) Keyboard TT-377/UG. - Keyboard TT-377/UG is identical to Keyboard TT-371/UG except that certain keytops include aerological weather symbols in place of standard communication symbols.

1-4	ORIGINAL	1-3b(6)	After this paragraph add "See T-2" for reference to the following paragraphs.

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION

(7) Automatic Typer TT-372/UG is similar to Automatic Typer MX-1115B/UG except that it is equipped for 7.00 unit code operation.

(8) Automatic Typer (TT-374/UG) is similar to Automatic Typer MX-2984/UG except it is equipped for 7.00 unit code operation.

(9) Automatic Typer TT-378/UG is identical to Automatic Typer TT-372/UG except that it is equipped with a type box which includes aerological weather symbols in place of standard communications symbols, and it is not equipped with the function bar, lever, pawl and springs associated with the "keyboard lock on double blank" feature.

1-8	ORIGINAL	1-3c(4)	Delete this paragraph and add "See T-2" for reference to the following.

(4) Typing Reperforator TT-373/UG is similar to Typing Perforator TT-252/UG except it is also equipped with a selector assembly, perforates fully perforated code holes, prints between feed holes, is equipped for 7.00 unit operation. Messages can be received from the channel in the form of signaling code combinations which are translated into mechanical arrangements to control printing and perforation of tape when the control knob of the keyboard is in the K position. This feature of the unit operates from the signal line in essentially the same manner as Typing Reperforator TT-266/UG described in paragraph 1-3c(3) above. The characters are printed six and one-half spaces to the right of the corresponding code combinations.

(5) Typing Reperforator (TT-375/UG) is similar to Typing Reperforators TT-266/UG and TT-373/UG.

(6) Typing Perforator TT-265/UG, Typing Reperforators TT-267/UG, TT-379/UG, TT-380/UG. - These components are identical to Typing Perforator TT-252/UG, Typing Reperforators TT-266/UG, TT-373/UG, TT-375/UG respectively, except that the typewheels furnished include aerological weather symbols in place of standard communication symbols.

		1-3d	After this paragraph add "See T-2" for reference to the following:

d.A Typing Reperforator Base MT-2272/UG is similar to Base MT-2234/UG except the variable speed drive mechanism has optional gear ratios for operation at 45.5, 50, or 75 Baud and auxiliary power switch parts are provided for mounting on associated cabinet.

d.B Typing Reperforator Base MT-2625/UG-6C is similar to Base MT-2234/UG except the variable speed drive mechanism has optional gear ratios for operation at 60,67, or 100 WPM and auxiliary power switch parts are provided for mounting on associated cabinet.

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
1-9	ORIGINAL	1-3e	After this paragraph add "See T-2" for reference to the following paragraph.

e.A. Transmitter Distributor TT-311/UG. (See Figures 1-13A and 1-14A) - This transmitter distributor (mates with Base MT-2452/UG) is similar to Transmitter Distributor TT-251/UG. Transmission (7.00 unit) speed can be at 45.5,50 or 75 Baud depending upon gear ratios used. Normal operation is an a polar circuit.

e.B. Transmitter Distributor Base MT-2452/UG. (See Figure 1-15A.) - Transmitter Distributor Base MT-2452/UG provides mounting facilities for Transmitter Distributor TT-311/UG. It is a casting mounted on rubber silencing bushings on the left side of the cradle in the cabinet. An intermediate gear assembly connected by flexible shaft couplings to the keyboard mounted ac motor is located on the rear of the base. An electrical connector and cable are assmbled on the right side of the base. A ground strap is provided for connection between the base and the cradle of the cabinet, since the base is electrically isolated from the cradle by the rubber silencing bushing. The transmitter distributor is mounted at the front of the base, projecting beyond the cabinet dome.

1-12	ORIGINAL	1-3i(5)	Immediately after this paragraph add "See T-2" for reference to the following paragraph.

i.A. Cabinet CY-3682/UG. - This cabinet is the same as Cabinet CY-2529/UG except it is modified to provide a chad container for the auxiliary (optional) and/or keyboard reperforator (TT-373/UG), and includes parts to provide chad disposal for Typing Reperforator TT-373/UG and an auxiliary typing reperforator (optional).

1-14	ORIGINAL	1-13	To this figure add "See T-2" for reference to Figure 1-13A.
1-15	ORIGINAL	1-14	To this figure add "See T-2" for reference to Figure 1-14A.
1-16	ORIGINAL	1-15	To this figure add "See T-2" for reference to Figure 1-15A.
2-1	ORIGINAL	2-3a	After this paragraph add "See T-2" for reference to the following paragraph.

a.A. Chad Container

(1) Cut a rectangular hole in the felt insulation above the chad chute cutout in the cabinet upper compartment floor.

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(2) Mount the 164277 right slide plate and 164593 left slide plate to the underside of the cabinet compartment on the shelf brace below the chad chute cutout. Use the 151631 screws, 2191 flat washer, 7002 lock washer and 3598 nuts to secure the plates.

(3) Using the slack in the mounting screw body holes position the left and right slide plates to allow the cabinet door to close without interfering with the chad container.

a.B. Power Factor Corrector - Install the 173706 power factor corrector (for the printer motor) and the 173707 power factor corrector (for the auxiliary reperforator motor) in convenient locations on the mounting bracket provided on the back panel in the lower portion of the cabinet. Use the mounting parts furnished with the correctors for installation.

2-8	ORIGINAL	2-1	Delete Table 2-1 and add "See Table 2-1 in T-2 for this information".
2-9	ORIGINAL	2-5b(3)	After this paragraph add "See T-2" for reference to the following:

b.A. Keyboard TT-371/UG with Typing Reperforator TT-373/UG, Motor PD-67/U or PD-77/U and Intermediate Gears. (See figure 2-11).

(1) Initial assembly and adjustment before installation in the cabinet.

(a) Remove the gear guard tied to the keyboard, then remove four 151678 screws (with captive lock washers) from the bag also tied to the unit. Secure the motor unit to the keyboard base with three of the four screws with lock washers. At this time, omit the left rear screw holding the motor to the base.

(b) Remove the insulator cover from the terminal block on the keyboard reperforator transmitter base, just to the left of the motor. Connect the motor leads to terminals 1 and 2 of this terminal block.

(c) Assemble the speed change gear set for the desired speed of operation to the shafts of the motor and intermediate gear bracket. (See Figure 2-11).

1. Install the 159287 isolator in position over the hub of the pinion. Press the extensions of the isolator down into the holes in the gear hub. Remove and discard the screw and lock washer in the motor shaft. Apply a light film of grease to the motor shaft. With the teeth toward the motor, slide the assembled gear and isolator over the motor shaft. Insert the two 161301 posts into the holes in the isolator, align with the tapped hole in the motor shaft, and screw them down tight.

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2. Remove the two 151631 screws and 2191 lock washers from the hub on the right end of the intermediate gear shaft. Place the driven gear (flat side toward the right) on the shaft, mesh with the pinion, and secure to the hub using the two screws and lock washers.

3. Apply a light film of KS7471 grease to the gear teeth. Reinstall the gear guard (removed above) using the remaining 151678 screw (with captive lock washer).

4. Remove the 158020 flexible coupling and 159079 shaft from the bag attached to the keyboard. Place the coupling on the shaft. Slide the other end of the shaft into the coupling on the bearing bracket assembly. Position the couplings (maintain some to 0.020" clearance between the coupling and the motor pinion to decrease transmission of sound) and tighten the set screws (figure 2-11).

NOTE

A straight edge applied to the center of the rear bearing bracket cross - shaft should also extend through the center of the intermediate and motor shafts. If necessary, refine the rear bearing alignment of the reperforator shaft alignment adjustment to meet this requirement.

(d) Typing Unit to Keyboard Base - Place the typing unit on the keyboard base and make certain that the front feet of the typing unit are placed over the locating studs provided on the base. Rotate the motor shaft by hand to get the gear teeth to mesh. Secure the typing unit to the base using four 151678 Screws (with captive lock washers) found in the bag tied to the keyboard unit.

(e) Typing Unit to Signal Generator - There should be a perceptible amount of backlash between the signal generator gear and the typing unit main shaft gear. To adjust, remove the signal generator and add or remove shims at the rear generator mount. Replace the signal generator and tighten the screws.

(f) Intermediate Gear to Typing Unit Gear - There should be a barely perceptible amount of backlash between the typing unit main shaft gear and the intermediate gear at the highest point of the intermediate gear. To adjust, loosen the three hex head mounting screws so that the bracket is held friction tight. Position the complete intermediate gear assembly by utilizing the adjusting slot to the rear of the bracket. Tighten the screws.

(g) Motor Pinion to Intermediate Gear - There should be a barely perceptible amount of backlash between the motor pinion and the intermediate gear at the highest point of the intermediate gear. To adjust, raise or lower the front end of the intermediate gear bracket by means of the adjusting and clamping screws located at the front end of the bracket. Refine this adjustment and the typing unit gear adjustment, if necessary, in order to obtain quiet operation. Tighten the screws.

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(h) Assemble the speed change gear set for the desired speed of operation to the keyboard reperforator. Apply a light film of KS7471 grease to the gear teeth.

(2) Keyboard Assembly Installation into Cabinet.

(a) Remove the typing unit from the keyboard base.

(b) Using the 151152 screws, 3640 lock washers, 90560 shims and 104807 flat washers, mount the 164279 chad chute to the keyboard reperforator punch block.

1. Mount the 90560 shims under the 104807 flat washers.

2. The 164278 chad chute with bracket is then mounted to the keyboard base with the existing screw, lock washer and flat washer.

(c) Remove the 154496 front panel from the cabinet by removing two 111017 screws, lock washers and washers at the left end of the panel and loosening the thumb screw (inside cabinet) at the right end of the panel. Slide panel out to the left.

(d) Remove the four 105029 flat washers from the bag attached to the LCXB base. Place one of these washers over each of the keyboard mounting holes in the cradle rails.

CAUTION

The 105029 flat washers are used as spacers to raise the keyboard perforator transmitter and equal amount with the LCXB base, which is to be installed subsequently. Failure to install these washers will result in serious misalignment in the LCXB shafting, leading to early fatigue of the flexible coupling at this point. Conversely, the same condition will result if a "shimmed up" keyboard unit is used with an LCXB base which has not been raised by the isolation bushings.

(e) Using the four studs provided (in the bag attached to the keyboard unit), fasten the keyboard to the cradle assembly. Make certain that the mounting studs have secured the 105029 flat washers.

NOTE

Before reinstalling the typing unit, insert a piece of bond paper between the selector magnet pole faces and the armature to soak up any lubricant which may have accumulated. When removing the paper, make sure no lint or bits of paper remain.

(f) Reinstall the typing unit on the keyboard base.

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(3) Electrical Connection - The electrical service to the keyboard comes through the cable from the terminal blocks at the rear of the cabinet. Insert the plug that terminates this cable into the connector at the middle rear of the keyboard. Push down until plug is latched into position in the receptacle.

c.A. TRANSMITTER DISTRIBUTOR TT-311/UG AND BASE MT-2452/UG. (See Figures 1-13A, 1-14A, 1-15A, 2-12, 2-13, 2-14).

(1) Assemble the speed change gear set for the desired speed of operation to the transmitter distributor base. Apply a light film of KS7471 grease to the gear teeth.

(2) Remove the three 164101 shoulder studs and 163517 rubber bushing from the bag attached to the LCXB base. Insert and tighten the three 164101 shoulder studs in the LCXB base mounting holes in the cradle rails. Install one 163517 rubber bushing (smaller diameter up) over each stud. (See figure 2-13).

(3) Position the LCXB base over the three studs so that the smaller diameter of the bushings extend into the mounting holes of the base, and the base rests on the shoulders of the bushings. Route the ground strap which is connected at one end of the LCXB base connector mounting screw, forward and under the base, then to the rear under the rear cradle rail where it will connect to the rear base mounting stud (see CAUTION under paragraph (5) below).

(4) Remove the remaining three 163517 rubber bushings from the bag attached to the LCXB base. Install these three bushings (smaller diameter down) on the three studs so that the smaller diameter of each extends downward into the base mounting holes (figure 2-13).

(5) Remove the 158024 coupling assembly and three each of 103305 flat washer, 2669 lock washer and 74807 nut from the bag attached to the LCXB base. Place a 103305 flat washer, 2669 lock washer and 74807 nut on each stud.

CAUTION

Connect the terminal of the 11366 ground strap to the right rear shoulder stud, above the 103305 flat washer, then add the 2669 lock washer and 74807 nut (Figure 2-14). Do not tighten the nuts. In order to prevent transmission of vibration, the terminal or wire should not touch the LCXB base casting, and the wire should be slack. If necessary, bend the terminal upward for clearance. See figures 2-13 and 2-14. Install the 158024 coupling assembly to the keyboard shafting.

(6) Three 151632 screws, 2191 lock washers and 125015 washers are provided in the bag attached to the LCXB base for mounting the transmitter distributor

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on the base. Mount the transmitter distributor unit and tighten the mounting screws to friction tightness. No vertical adjustment of the unit is needed. Be sure to properly seat the mating connectors on the transmitter distributor and its base before installing the mounting screws.

(7) Mount the two 154486 springs on the four studs in the 154485 cover using two 7002 washers, 2191 lock washers and 3598 nuts.

(a) Place the 154485 housing in position by sliding the tongue under the bracket held loosely on the front bar. Snap the housing in place by manipulating the two detents on the sides of the housing. Isolate the housing from the unit (0.062" to 0.125") when the rear edges of the housing are secured by the detents against the left front cross bar. If the cover is not held securely remove and readjust the spring detents in or out the required amount to satisfy the adjustment. Tighten the nuts and recheck. Tighten all screws.

(b) Install the 160291 plate on the left cross bar using the slotted hole opposite the reperforator with two 7002 washers, 2191 lock washers and 3598 nuts.

(8) Utilize the play in the transmitter distributor base mounting holes to line up the driving shaft, coupling shaft and keyboard power shafting. Check with a straightedge. Tighten the transmitter distributor base mounting screws and coupling screws.

(9) Adjust the lateral position of the transmitter distributor unit on the base so that the gears are in alignment and there is a minimum amount of backlash between the gear teeth at the closest point. Tighten the screws.

(10) Reinstall the 154496 front panel (being careful not to damage the counter) removed above. There should be a minimum of 1/32" clearance between the transmitter distributor unit and the cabinet. A minimum clearance of 1/32" is also required between the transmitter distributor unit side and top plates and the housing. To obtain these clearances (required for reducing noise level), adjust the housing detent springs and/or reposition the cradle. See Section 6, Service and Repair.

NOTE

To aid in the reduction of the noise level, the units must not touch the cabinet at any point, thereby preventing transmission of vibrations to the cabinet.

(11) Install the 158695 designation plate (to the left of the keyboard) using two 6344 screws and 2191 lock washers. All of these parts are furnished with the cabinet.

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e. AUXILIARY TYPING REPERFORATOR TT-375/UG AND BASE MT-2272/UG (Figures 2-15 and 2-16).

(1) Mounting Typing Reperforator on base.

(a) Screw the two 161777 Mounting Studs into the rear rail of the cabinet cradle assembly.

(b) Screw the one 161778 mounting stud into the transmitter distibutor base casting. Assemble the 84354 Washer to the 161778 Stud before threading it into the base casting.

(c) Fasten the 176288 Tape Guide, with bracket, to the 161800 Bracket and place the 151572 Star Washer between them. Use the 151632 Screw, 2191 Lock Washer, 125015 Flat Washer and 154076 Nut Plate. Tighten friction tight.

(d) Mount the 161800 Bracket with its assembled parts to the base plate of the LRB unit using the two 151631 Screws, two 2191 Lock Washers and two 125015 Flat Washers. Tighten friction tight.

(2) Remove and discard the 158271 Gear Guard on the transmitter distributor base.

(3) Assemble the speed change gear set for the desired speed of operation to the shafts of the gear bracket assembly on the reperforator base as shown in figure 2-15. The mounting hardware is provided in a bag tied to the LRB base. Nylon gear set 163451 provides 75 baud (106 wpm - 7 unit code) operation, and nylon gear set 173820 provides 45.5 baud (65 wpm - 7 unit code) operation. Apply a light film of KS7471 grease to the geer teeth.

(4) Remove the gear bracket assembly.

NOTE

Before installing the motor unit - if the leads on the motor unit, as received, are threaded through the hole in the motor mount bracket, pull them out as they should not be routed through the hole when the unit is installed.

(5) Mount the 161783 Gear (found in bag tied to base) on the motor shaft using the 159287 isolator and two 161301 posts also found in the bag tied to the base.

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(6) Install the motor unit PD-17A/U or PD-18/U on the auxiliary reperforator base using the following parts found in a bag tied to the base: four 162730 Screws, three 2449 Lock Washers, four 3226 Washers, four 92146 Nuts and two 82832 Star Lock Washers. Place one star lock washer against the anodized aluminum surface of the motor bracket and one against the painted surface on the bottom of the base so as to ground the motor bracket to the base. Connect the motor leads to the terminal block as indicated in the appropriate wiring diagram. It is necessary to remove the tape container to reach these terminals with a screw driver. Replace the tape container leaving the screws friction tight for later adjustment.

(7) Replace the gear bracket assembly mounting screws friction tight and position the assembly up or down until there is a barely perceptible amount of backlash between the motor pinion and the driven gear at the closest point. Tighten the screws.

(8) Mount the 161804 Tape Guide on the auxiliary typing reperforator as follows: remove and discard the screw in the location shown in figure 2-16 and mount the tape guide using the 151442 screw and 7002 washer furnished (in bag tied to base) and the existing mounting parts as shown in Figure 2-16.

(9) Mount the 156400 Sprocket (found in bag tied to base) on the typing reperforator using the mounting hardware on the hub. The screw heads and lock washers should be on the side of the deeper inset of the sprocket.

(10) Mount the 170837 Chad Chute to punch block using the 151152 Screws, 3640 Lock Washers, 90560 Shims and 104807 Flat Washers. Mount the 90560 Shims under the 104807 Flat Washers.

(11) Mount the auxiliary typing reperforator on the base as follows:

(a) Remove, from the bag tied to the base three 153537 Screws, three 76461 Washers, four 2191 Lock Washers, one 151631 Screw and one 125015 Washer.

(b) Position the reperforator over its mounting studs in the base.

(c) Loosen the screw holding the small "L" shaped anchor bracket to the right front of the punch.

(d) Start the 151631 Screw with 2191 Lock Washer and 125015 Washer through the "L" shaped anchor bracket into the proper tapped hole in the base plate. Do not tighten the screw.

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(e) To allow for maximum accessibility for a screw driver to the rear 153537 Mounting Screw, position the push bar bail of the reperforator to its rearmost position. Start the three 153537 Screws with 2191 Lock Washers and 76461 Washers through the holes in the reperforator casting and into the proper tapped studs in the base "T" shaped plate. Do not tighten the screws.

(f) Remove the timing belt from the bag tied to the base and place it over the sprockets. Take up the slack in the belt by moving the reperforator away from the motor. The belt should have just enough slack so that a light pressure (8 oz.) applied midway between the sprockets will cause the belt to deflect approximately 1/8". Tighten the three 153537 Mounting Screws. Check timing belt deflection.

(g) Hold the "L" shaped anchor bracket so that it rests squarely against the reperforator and base plate and tighten the screw that secures the anchor bracket to the base plate. Tighten the screw that secures the anchor bracket to the reperforator.

(12) Place the base (with reperforator and motor) on its mounting posts and secure with three 162730 Screws, two 2449 Lock Washers, three 3226 Washers and one 82832 Star Lock Washer. Place the star lock washer next to the upper painted surface of the base under the left front mounting screw.

(13) Mount the 164273 Chad Chute, with bracket, and the 164275 Chad Chute, with bracket, respectively above and below the LRB base plate. Use the 151631 Screws, 2191 Lock Washers, 7002 Flat Washers and 158215 Nut plate to secure the assembly.

(14) Route and connect the 161886 Cable (found in bag tied to base) as follows: place the 161818 receptacle connector over the 161817 Plug connector and tighten the associated knurled lock nut. Route the cable forward and down, past the right side of transmitter distributor unit drive shaft, to the right, under the right side of the transmitter distributor base casting and left and right keyboard cradle rails, then up to the cabinet terminal block. Connect in accordance with appropriate wiring diagram.

(15) Install the 173778 Control Panel assembly in place of the blank panel in the cabinet dome using existing mounting parts.

(16) Adjust the tape guide so that it is in alignment with the hole in the control panel when the dome is closed. If the tape snags on the edge of the hole, loosen the three adjusting screws and readjust the tape guide. Tighten the three adjusting screws.

(17) Position the tape container so that a full roll of tape may be inserted through the access door in the dome of the cabinet. Tighten the screws.

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(18) For auxiliary typing reperforator, thread the tape from the bottom of the roll of tape, over the roller of the tape guide on the tape container, over the roller of the 161804 Tape Guide and into the tape entry chute. Position and / or reform the tape guides, as necessary, so that the tape flows freely. Tighten the screws.

2-14	ORIGINAL	2-10	Immediately after this paragraph add "See T-2" for reference to the following paragraphs.

2-11. 192465 Modification Kit to modify Teletypewriter AN/UGC-16, AN/UGC-18 to 7.42 unit code at 60, 75, 100 WPM.

a. The 192465 Modification Kit consists of:

3	150089	Screw	1	158734	Gear, Helical (47T)
1	150041	Gear	1	161293	Gear Set - 60 WPM
1	154032	Sleeve, Gear	1	161294	Gear Set - 75 WPM
1	154154	Cam	1	161295	Gear Set - 100 WPM
1	156836	Cam Shaft	1	161797	Plate, Index
1	158027	Gear Set	1	163023	Gear Set
1	158028	Gear Set	1	163024	Gear Set
1	158029	Gear Set	1	163025	Gear Set
1	158712	Gear, Helical (26T)	1	163440	Gear
1	158716	Gear, Helical (39T)	1	163590	Gear
1	158732	Gear, Helical (24T, 18T)	1	194269	Plate, Identification

b. On Keyboard LAK31ARN(TT-371/UG), LAK31ARE(TT-377/UG) replace:

(1) 163519 Gear Sleeve with 154032 Gear Sleeve.
(2) 163368 Cam with 154154 Cam.
(3) 163460 Gear with 163440 Gear.
(4) Present gear set with 161293 (60 WPM), 161294 (75 WPM), or 161295 (100 WPM) Gear Set.

c. On Automatic Typer LP108RN/AY (TT-372/UG), LP108RE/ACX (TT-378/UG) replace:

(1) 163503 Gear with 150441 Gear.
(2) 163459 Gear and 150440 Hub (if present) with 163590 Gear.

d. On Typing Reperforator LPR51BWA (TT-373/UG), LPR51BRH (TT-379/UG), replace the present gear set with the 163023 (60 WPM), 163024 (75 WPM), or 163025 (100 WPM) Gear Set.

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e. On Reperforator Base (Aux.) LRB42 (MT-2272/UG), replace:

(1) 179963 Gear with 158712 Gear.
(2) 179962 Gear with 158716 Gear.
(3) 178870 Gear with 158732 Gear.
(4) 163262 Gear and 178910 Spacer with 158734 Gear; three 151733 Screws with 150089 Screws.
(5) 192680 Index Plate with 161797 Plate.

f. On Distributor - Transmitter LXD11 (TT-311/UG), replace the 164285 Cam Shaft with the 156836 Cam Shaft.

g. On Base LCXB13 (MT-2452/UG), replace the present gear set with the 158027 (100 WPM), 158028 (75 WPM), or 158029 (60 WPM) Gear Set.

h. Remove backing from the 194269 Identification Plate and apply plate (on clean surface) below existing overall set plate.

3-1	ORIGINAL	3-1a(4)	In this paragraph, in place of the words "at nominal speeds of 368, 460, or 600 o.p.m., or 60, 75, or 100 w.p.m." add: at a selected speed.
3-12	ORIGINAL	3-1	Immediately after Items 2 and 11 in Table 3-1 add "See T-2" for reference to the following:

2.1 Chad container	Empty each time tape supply is replenished.	Failure to empty chad container can result in equipment failure due to chad backing up in the chutes and fouling the punch mechanism.
11	at 45.5 baud, 65 characters in 10 seconds; at 75 baud, 53 characters in 5 seconds.	

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
4-1	ORIGINAL	4-1b	Delete the first eight lines of this paragraph and add "See T-2" for reference to the following:
4-51	ORIGINAL	4-5a(4)(b)2	After this paragraph add "See T-2" for reference to the following:

2. A. For units that fully punch tape, during the last half of the cycle, the toggle bail is rotated clockwise pulling the slide post down and lowering the selected punch slides. The punch slides, which engage notches in their respective punch pins, pull the punch pins down below the tape. The main bail assembly and the selected punch slides and their associated punch pins move as a unit during the perforating stroke. The openings in the die block above the tape, through which the pins protrude, are circular so that the entire hole is punched.

3. A. Mounted to the left side of the punch block, as viewed from the front of the cabinet, and resting over the punch pin openings in the top of the die block is the chad chute (figure 4-69A). On the typing reperforator, the chad chute extends downward to the rear of the punch block where it empties into an extension chute. The extension chute is mounted to the keyboard base and directs the flow of chad down and rearward through an opening in the bottom of the cabinet compartment where it empties into a container. The chad, or tape punchings, should be emptied from the container at frequent intervals. Failure to do so may result in equipment failure due to chad backing up in the chutes and fouling the punch mechanism.

4-71	ORIGINAL	4-5c(6)(c)3	After this paragraph add "See T-2" for reference to the following:

(c)A. The chad chute on the auxiliary reperforator is mounted on the front of the punch block, as viewed from the front of the cabinet, rests over the punch pin openings in the top of the die block and extends downward to the right of the punch block. By means of an extension chute, tape punchings are directed away from the punch block into a common container below the cabinet shelf along with the chad from the keyboard reperforator. Empty the container frequently to prevent the chad from backing up the chutes and possibly fouling the punch mechanism.

		4-6a	Change lines 7 and 8 in this paragraph to read:

7.00 or 7.42 unit transmission pattern at a selected speed.

4-72	ORIGINAL	4-6b	Change the words "60, 75 or 100 w.p.m. operating speed," to read:

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
various operating speeds,			At the end of this paragraph add "See T-2" for reference to the following:

Since the Base MT-2452/UG is mounted on rubber bushings for noise reduction; a ground strap is required between it and the cradle. See Section 2 on Installation.

4-88	ORIGINAL	4-9e	After this paragraph add "See T-2" for reference to the following paragraph:

f. CHAD DISPOSAL - Provision is made for the disposal of chad from the tape perforated by the keyboard and auxiliary reperforators. Chad chutes, extending from the reperforator punch blocks, guide the chad into a common container mounted below the cabinet upper shelf. The chad container is accessible by opening the lower compartment door panel, and should be emptied whenever a roll of tape is replaced in either reperforator tape container.

NOTE

Failure to empty the chad container when replenishing the tape supply can result in equipment failure due to chad backing up in the chutes and fouling the punch mechanism.

5-6	ORIGINAL	5-3	In Table 5-3, Item 7, column 2, add: (Mechanically operate keyboard trip magnet.)
5-57	ORIGINAL	5-38	After this figure add "See T-2" for reference to Figure 5-38A.
5-58	ORIGINAL	5-39	After this figure add "See T-2" for reference to Figure 5-39A.
5-60	ORIGINAL	5-41	After this figure add "See T-2" for reference to Figures 5-41A, 5-41B.
5-71	ORIGINAL	5-52	After this figure add "See T-2" for reference to Figures 5-52A, 5-52B, 5-52C, 5-52D, 5-52E.
6-3	ORIGINAL	6-3b(3)(c)	After this paragraph add "See T-2" for reference to the following paragraph.

(3)A. SYNCHRONOUS PULSED MAGNET ASSEMBLY (See figure 6-19A)

1. Remove the two 151630 and one 151632 Screws, and associated washers, which secure the 164649 Mounting Bracket to the keyboard.

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION

CAUTION

Do not loosen the three 151631 Screws holding the 164646 Adjusting Plate.

2. To remove the assembly from the keyboard, loosen the two 81778 Screws on the 263M magnet and detach the 173124 Cable Terminals from the magnet.

3. Disassemble the synchronous pulsed magnet assembly as shown in figure 6-19A.

4. To reassemble and install the assembly, reverse disassembly procedure.

6-17	ORIGINAL	6-3j(3)	After this paragraph add "See T-2" for reference to the following paragraph:

(3)A. TRANSMITTER DISTRIBUTOR BASE MT-2452/UG (See figure 6-89A) Remove the transmitter distributor (paragraph 6-3i), auxiliary typing reperforator base (paragraph 6-3g, and the 161778 mounting stud) (figure 6-53).

(1) Remove the three 74807 nuts, 2669 lock washers, 103305 washers, and 163517 rubber bushings from the 164101 stud (figure 6-92).

(2) Remove the rear 151723 Screw and 2669 Lock Washers, securing the 158018 Connector Bracket to the base, to remove the 117366 Ground Strap. Lift the base out of the cabinet.

(3) Disassembly of the base is as shown in figure 6-89A.

(4) To reassemble and install base, reverse disassembly procedure.

CAUTION

Make certain ground strap removed in step (2) is re-connected to connector bracket to avoid shock hazards.

6-20	ORIGINAL	6-4	To this figure add "See T-2" for reference to the following information and figure 6-4A.

0125 (Teletype No. 163440 - 7.42 unit code; 163460 - 7.00 unit code)

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
6-22	ORIGINAL	6-6	To this figure add "See T-2" for reference to the following information.

0140 and 0151 replaced by Teletype No. 49420, 164489 and 164490 when synchronous pulsed transmission is used (See Figure 6-19A).

6-25	ORIGINAL	6-10	To this figure add "See T-2" for reference to the following information.

0274 (Teletype No. 154032 - 7.42 unit code; 163519 - 7.00 unit code)

0270 (Teletype No. 154154 - 7.42 unit code, 163368 - 7.00 unit code).

6-28	ORIGINAL	6-13	To this figure add "See T-2" for reference to the following information:

Z300 (Teletype No. 154166 Arc Suppressor, 154190 R.F. Filter)

6-29	ORIGINAL	6-14	To this figure add "See T-2" for reference to the following information:

0332 (Teletype No. 158114 - MX-2643/UG, MX-2858/UG; 176436 - TT-371/UG).

6-34	ORIGINAL	6-19	To this figure add "See T-2" for reference to Figure 6-19A.
6-35	ORIGINAL	6-20	To this figure add "See T-2" for reference to Figure 6-20A.
6-58	ORIGINAL	6-43	To this figure add "See T-2" for reference to the following information:

01840 (Teletype No. 150441 - 7.42 unit code, 163503 - 7.00 unit code).
01842 (Teletype No. 163590 - 7.42 unit code, 163459 - 7.00 unit code).

6-68	ORIGINAL	6-53	To symbol designation S2350 add "See T-2" for reference to Figure 6-53A and the following information:

S2350 (Some units use parts shown in Figure 6-53A.)

6-69, 6-70	ORIGINAL	6-54, 6-55	To these figures add "See T-2" for reference to Figure 6-55A.
6-75, 6-76	ORIGINAL	6-60, 6-61	To these figures add "See T-2" for reference to Figures 6-61A, 6-61B, 6-61C.

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
6-79	ORIGINAL	6-64	To this figure add "See T-2" for reference to Figure 6-64A.
6-87	ORIGINAL	6-72	To this figure add "See T-2" for reference to Figure 6-72A.
6-89, 6-90, 6-91	ORIGINAL	6-74, 6-75, 6-76	To these figures add "See T-2" for reference to Figures 6-73A, 6-73B, 6-73C.
6-92	ORIGINAL	6-77	To this figure add "See T-2" for reference to Figure 6-77A.
6-96	ORIGINAL	6-81	To this figure add "See T-2" for reference to Figure 6-81.
6-98	ORIGINAL	6-83	To this figure add "See T-2" for reference to the following information:

P3650, W3650, L3650 - TT-251/UG
Teletype No. 161594, 173440, 262M - TT-311/UG.

6-100	ORIGINAL	6-85	To this figure add "See T-2" for reference to the following information:

A3700 (Teletype No. 156602) - TT-251/UG
Teletype No. 161592, 125229, 162249, 153819, 70073 - TT-311/UG

6-102	ORIGINAL	6-87	To this figure add "See T-2" for reference to the following information:

03813 (Teletype No. 156836 - 7.42 unit code, 164285 - 7.00 unit code)

6-103	ORIGINAL	6-88	To this figure add "See T-2" for reference to Figure 6-87A.
6-104	ORIGINAL	6-89	To this figure add "See T-2" for reference to Figure 6-89A, 6-89B.
6-112	ORIGINAL	6-97A	To this figure add "See T-2" for reference to Figure 6-97A.
6-197	ORIGINAL	6-180	To this figure add "See T-2" for reference to Figure 6-180A.

PAGE. NO.	CHANGE IN EFFECT	PARA. & LINE OR FIG. & LOCATION	ACTION
6-200	ORIGINAL	6-183A	To this figure add "See T-2" for reference to Figure 6-183A, 6-183B.
6-202	ORIGINAL	6-185	To this figure add "See T-2" for reference to Figures 6-185A, 6-185B, 6-185C.
6-232	ORIGINAL	6-215	To this figure add "See T-2" for reference to Figures 6-215A through 6-215S inclusive.
6-257	ORIGINAL	6-240	To this figure add "See T-2" for reference to Figures 6-240A through 6-240N inclusive.
6-289, 6-290 6-291, 6-292	ORIGINAL	6-270	To this figure add "See T-2" for reference to Wiring Diagrams 4264WD, 4265WD, 4447WD, 4927WD.

Table 1-1. Teletypewriter Components

Teletype Code	Component		Teletypewriter																			
			AN/UGC-5	AN/UGC-5A	AN/UGC-5X	AN/UGC-5AX	AN/UGC-6	AN/UGC-6A	AN/UGC-6B	AN/UGC-6C	AN/UGC-6X	AN/UGC-6AX	AN/UGC-7	AN/UGC-7X	AN/UGC-8	AN/UGC-8X				AN/UGC-15X	AN/UGC-15	AN/UGC-16	AN/UGC-16A	AN/UGC-18
LAAC200BR	CABINET	CY-2529/UG	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
LAAC237BR		CY-3682/UG																		X	X	X	X	X
LAK4ARN	KEYBOARD	MX-2643/UG	X	X	X	X	X	X	X			X												
LAK4ARE		MX-2858/UG											X	X	X	X								
LAK31ARN		TT-371/UG																		X	X	X	X	
LAK31ARE		TT-377/UG																						X
LESU13	POWER DISTRIBUTION PANEL	SB-959/UG	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X
LESU12		SB-1061/UG					X	X				X			X	X						X	X	X
LESU73		SB-1302/UG							X	X														
LP14RN/AY	AUTOMATIC TYPER	MX-1115B/UG	X		X		X																	
LP14RE/AY		MX-1422A/UG											X	X	X	X								
LP14RN/AGH		MX-2984/UG		X		X		X				X												
LP14RN/AHF		TT-325/UG							X	X														
LP108RE/ACX		TT-378/UG																						X
LP108RN/AY		TT-372/UG																		X	X	X		
LP108RN/AGH		TT-374/UG																					X	
LTPE1AWA	TYPING PERFORATOR	TT-252/UG	X	X	X		X	X	X	X	X	X												
LTPE1ARE		TT-265/UG											X	X	X	X								
LPR9AWA	TYPING REPERFORATOR	TT-266/UG					X	X	X	X	X	X												
LPR9ARE		TT-267/UG													X	X								
LPR52BRH		TT-380/UG																						X
LPR51BWA		TT-373/UG																		X	X	X	X	
LPR51BRH		TT-379/UG																						X
LPR52BWA		TT-375/UG																				X	X	
LRB6	TYPING REPERFORATOR BASE (AUX)	MT-2234/UG					X	X	X		X	X												
LRB36		MT-2625/UGC-6C								X														
LRB42		MT-2272/UG																				X	X	X
LXD3	TRANSMITTER DISTRIBUTOR	TT-251/UG	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
LXD11		TT-311/UG																		X	X	X	X	X
LCXB1	TRANSMITTER DISTRIBUTOR BASE	MT-2099/UG	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
LCXB13		MT-2452/UG																		X	X	X	X	X
LMU3	AC MOTOR (Sync) (Series) (Sync) (Series)	PD-17A/U					X	X	X	X					X							X	X	X
LMU4		PD-18/U									X	X				X								
LMU12		PD-67/U	X	X			X	X	X	X			X		X						X	X	X	X
LMU14		PD-77/U			X						X	X		X		X				X				
104986	Tuning Fork				X							X				X				X				
160387	MODIFICATION KIT						X	X	X	X	X	X			X	X						X	X	X
161815							X	X	X	X	X	X												
161829							X	X	X	X	X	X			X	X						X	X	X
161830	CONTROL PANEL						X	X	X		X	X			X	X								
162477										X														
163300	GEAR SET	67WPM								X														
163448		50BAUD																						
163451		75BAUD																						
163454		75BAUD																		X	X	X	X	X
163457		50BAUD																		X	X	X	X	X
163499		50BAUD																		X	X	X	X	X
163502		75BAUD																		X	X	X	X	X
163504		50BAUD																		X	X	X	X	X
163505		75BAUD																		X	X	X	X	X
164024BR	COPYHOLDER		X	X	X	X	X	X	X	X	X	X	X	X	X	X								
164583	GEAR SET	60WPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
164584		75WPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
164585		100WPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
173706	Power Factor Corrector																				X	X	X	X
173707																						X	X	
173776	Gear Set-45.5 Baud																			X	X	X	X	X
173778	Control Panel																							X
173795	GEAR SET	45.5BAUD																		X	X	X	X	X
173820		45.5BAUD																						
173992		45.5BAUD																		X	X	X	X	X
176287	Aux. Base Mtg. Parts																					X	X	X

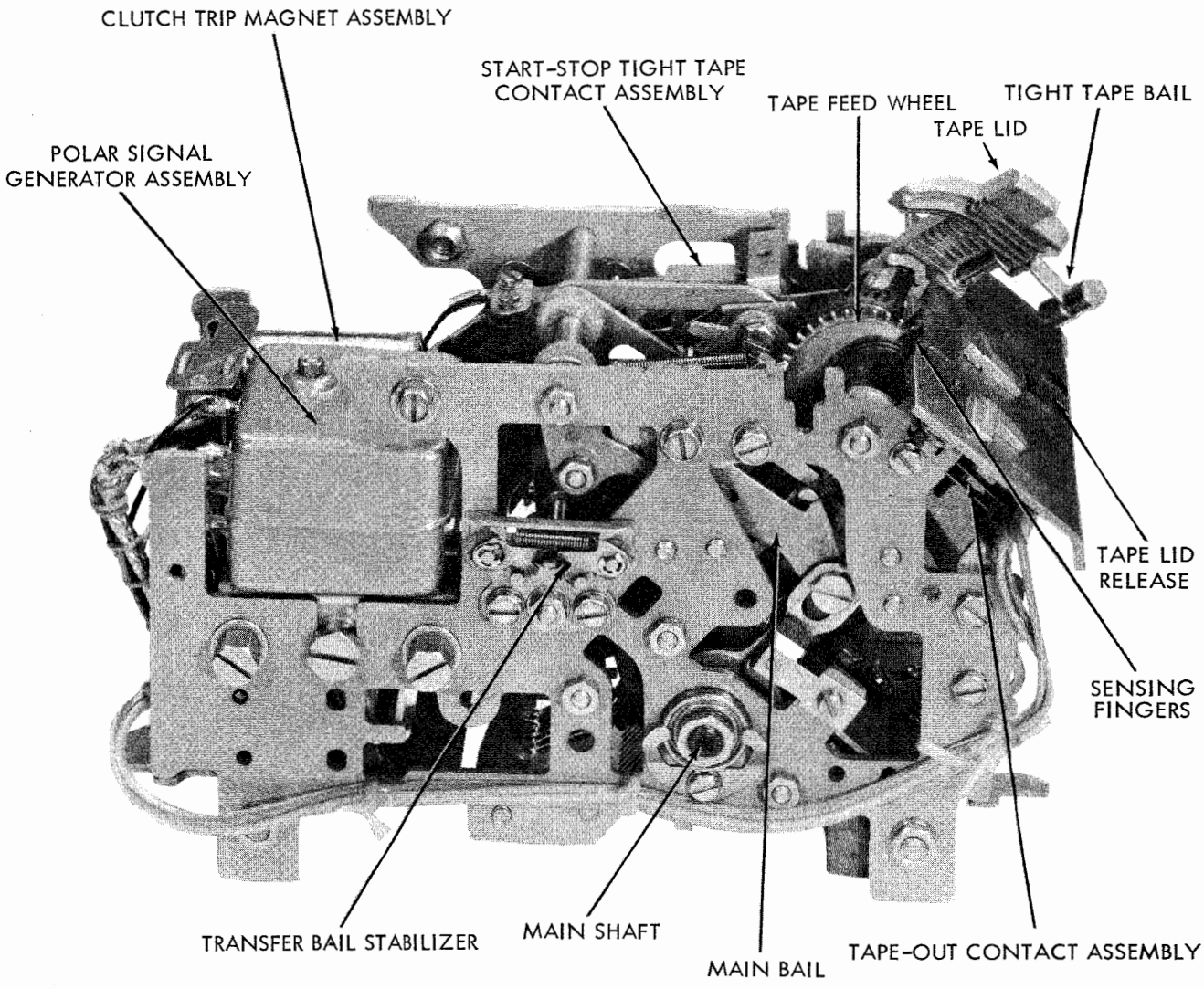


FIGURE 1-13A. TRANSMITTER DISTRIBUTOR TT-311/UG (TOP PLATE AND COVER PLATE REMOVED)

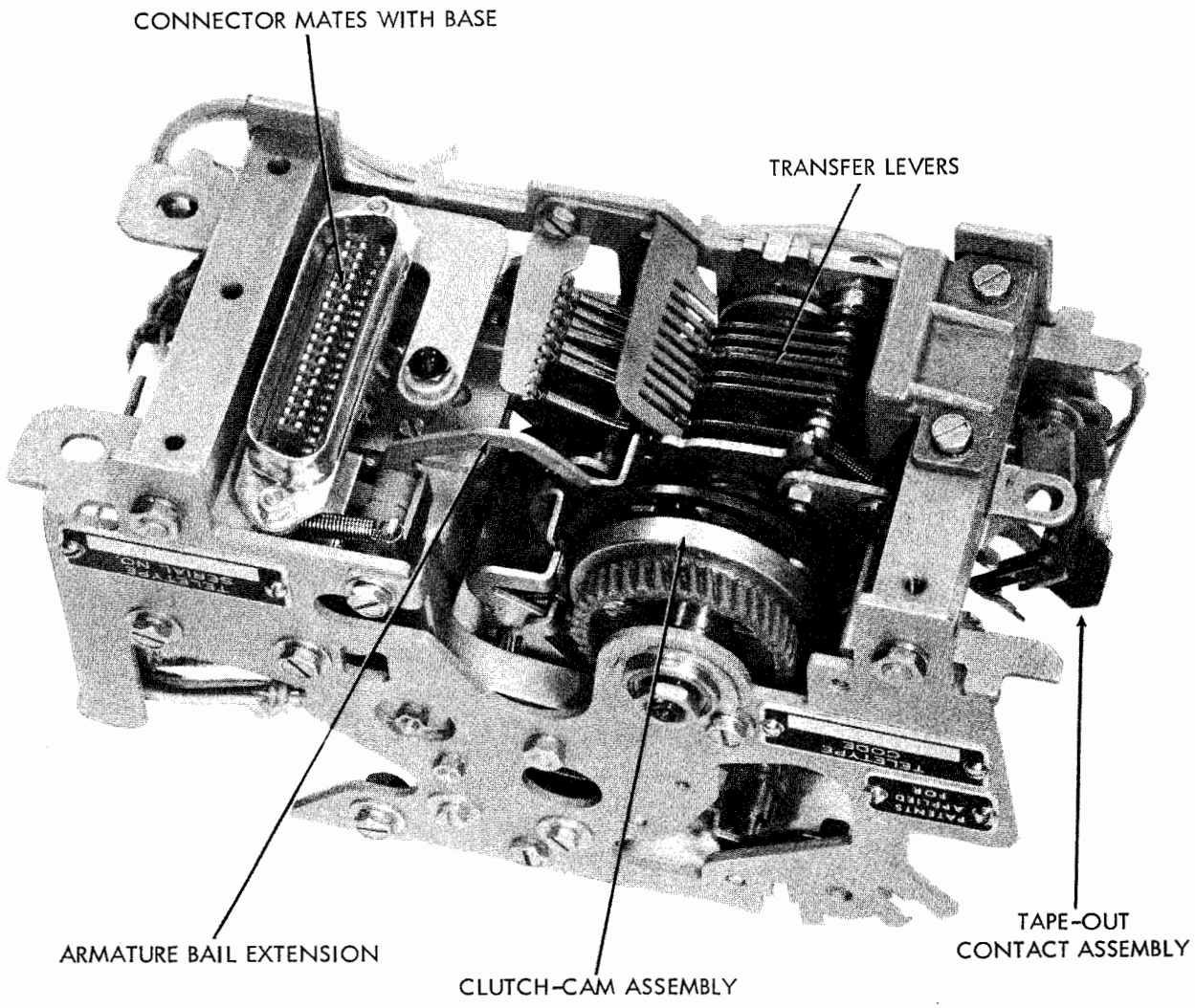


FIGURE 1-14A. TRANSMITTER DISTRIBUTOR TT-311/UG (BOTTOM VIEW)

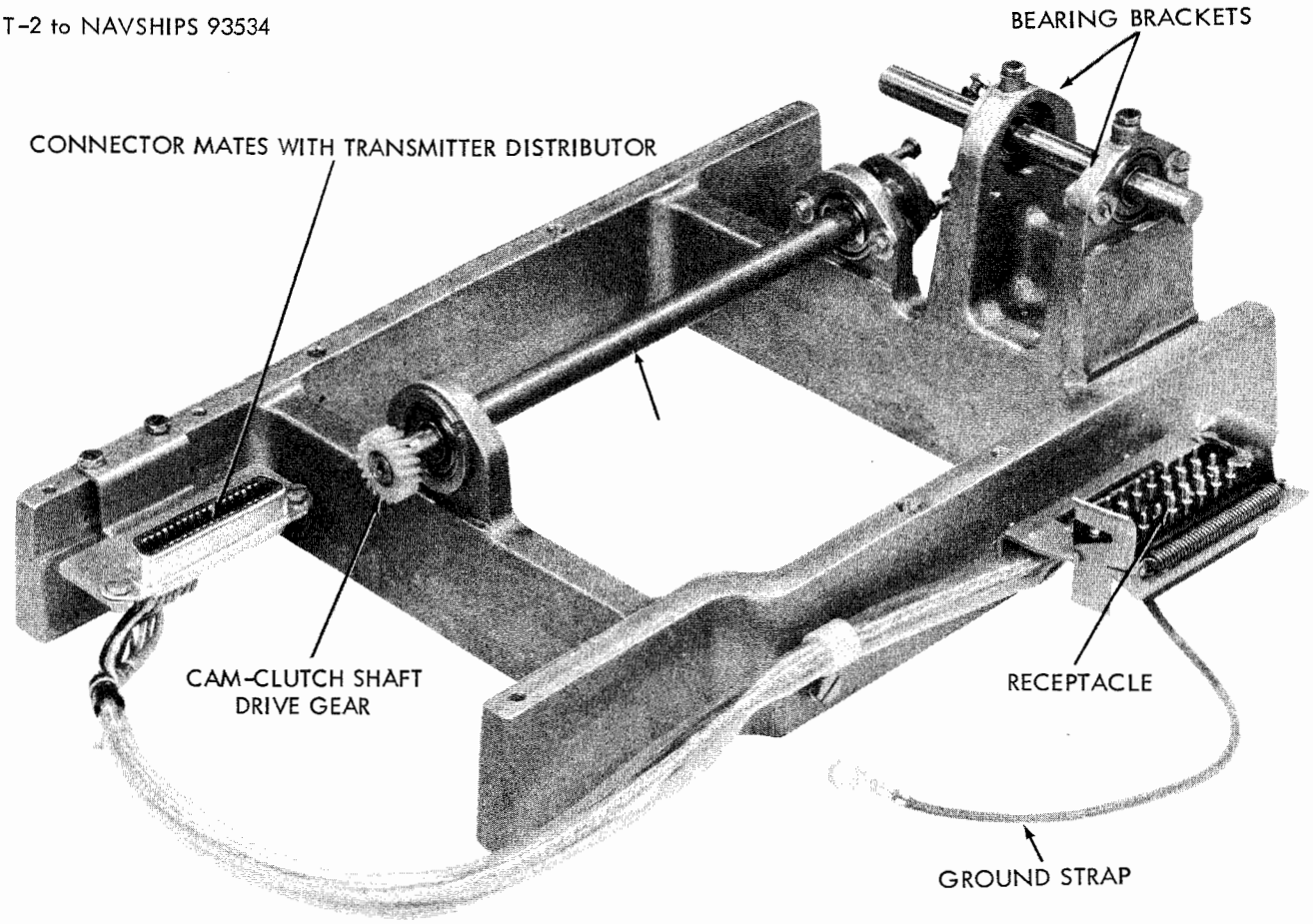
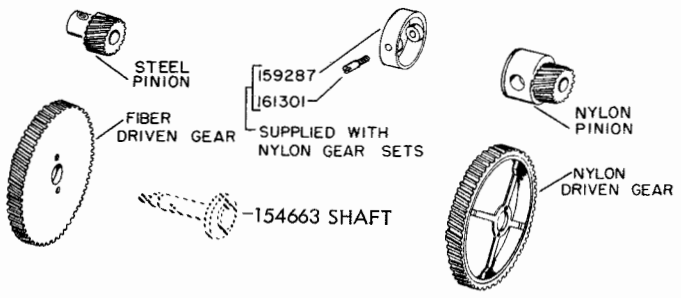


FIGURE 1-15A. TRANSMITTER DISTRIBUTOR BASE MT-2452/UG

TABLE 2-1. MOTOR AND KEYBOARD OR BASE GEAR SETS FOR VARYING OPERATING SPEEDS

GEAR SETS - 5 LEVEL CODE											
			UNIT	SET NUMBER		PINION			GEAR		
WPM	OPM	BAUD	CODE	FIBER	NYLON	TEETH	STEEL	NYLON	TEETH	FIBER	NYLON
60	368	45.45	7.42	151060	161293	14	151130	159278	96	151131	159279
65	390	45.45	7.00		173795			173794			173793
67	404	50	7.42	152766		13	152765		81	152764	
71	428	50	7.00		163504	18		163461	117		163462
75	460	56.88	7.42	151075	161294	17	151132	159281	93	151133	159282
100	600	74.2	7.42	151100	161295	20	151134	159284	84	151135	159285
107	643	75	7.00		163505	24		163463	104		163464



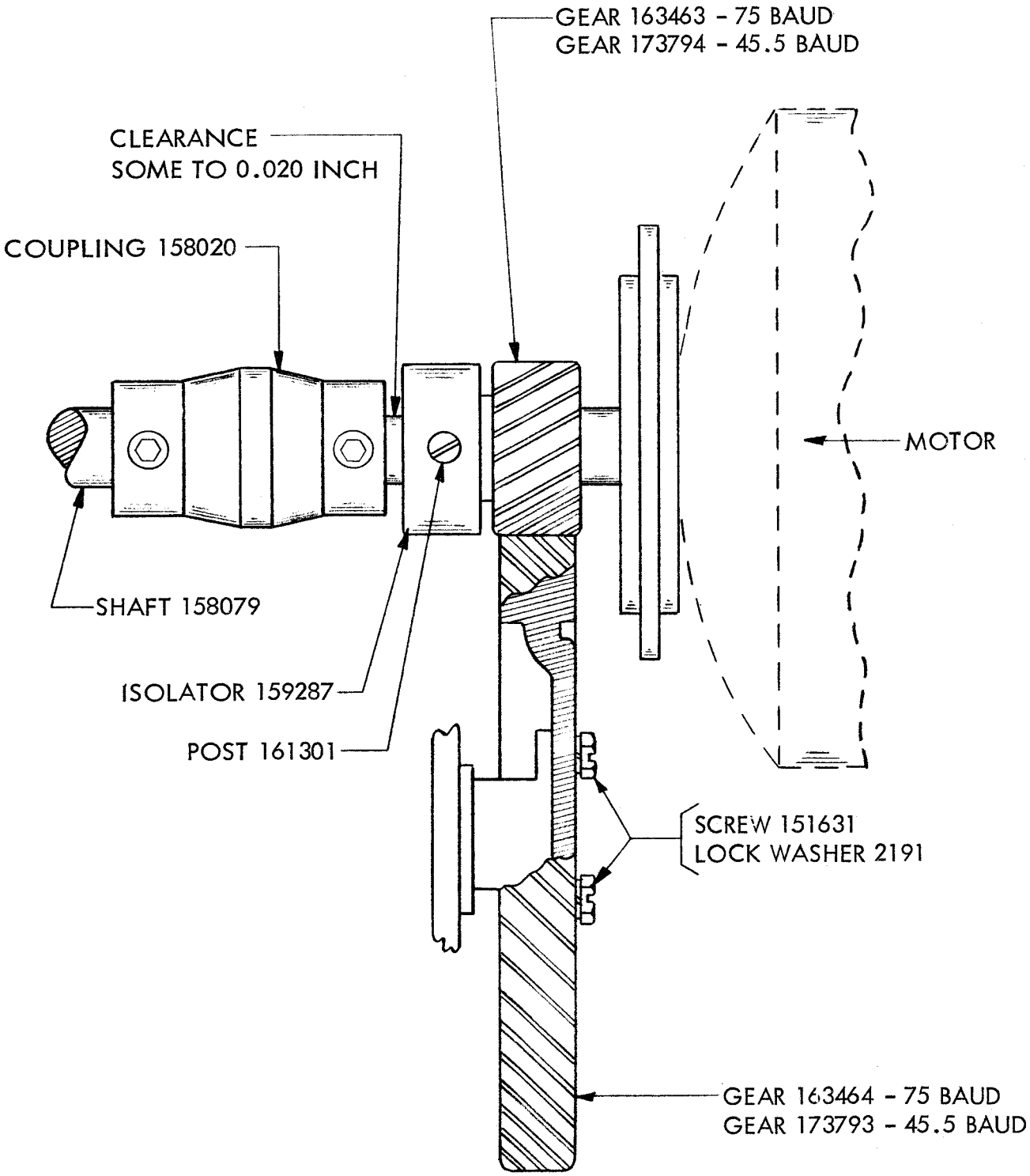


Figure 2-11. Keyboard Intermediate Gear Assembly

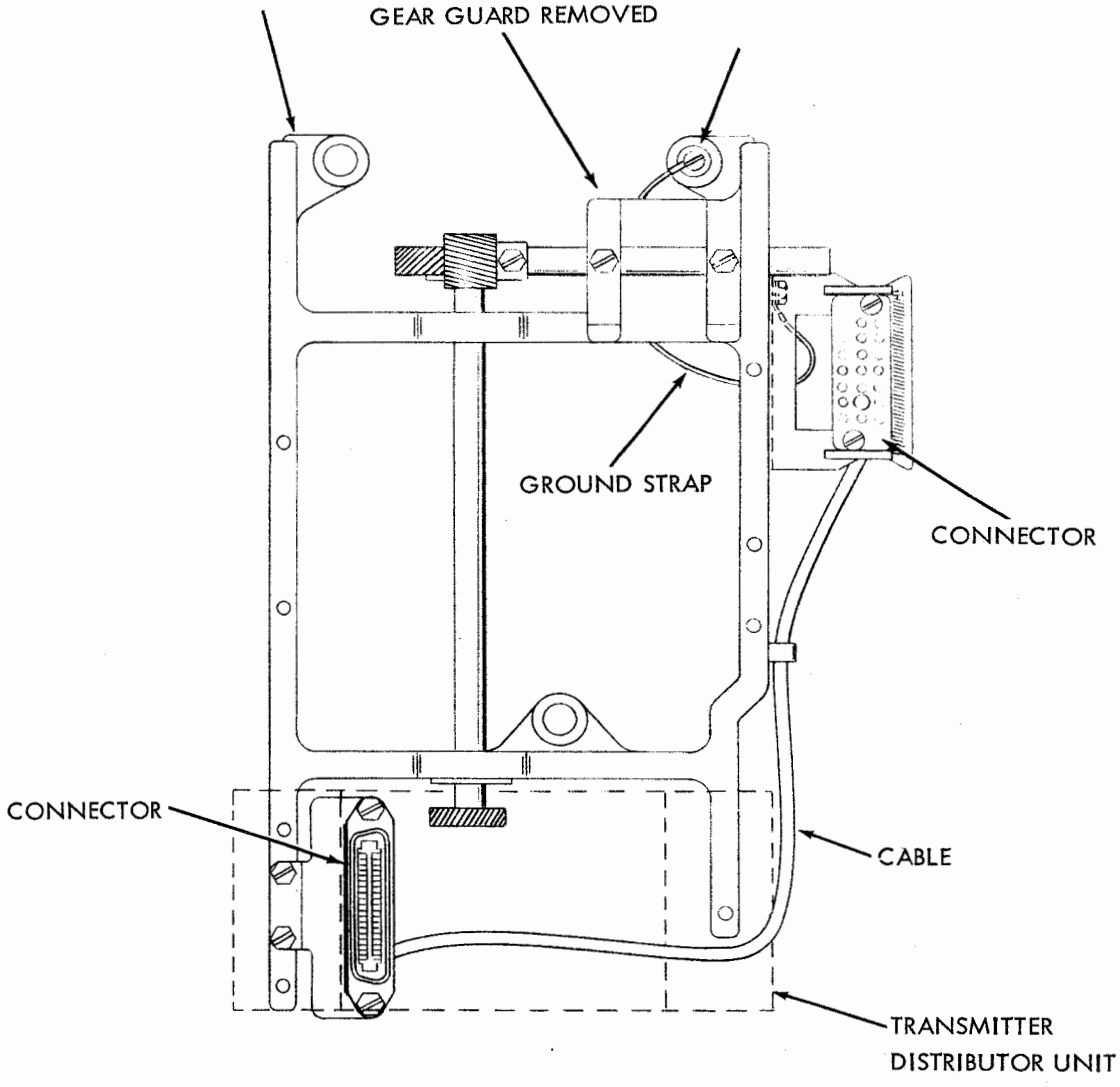


Figure 2-12. Transmitter Distributor Unit and Base Arrangement

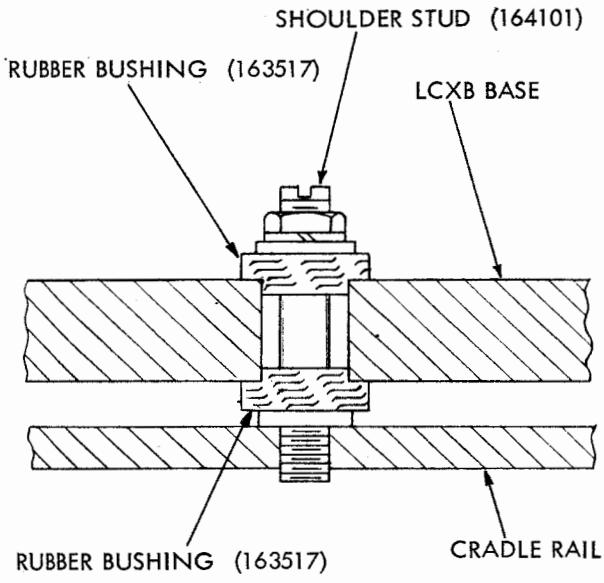


Figure 2-13. Mounting Transmitter Distributor Base

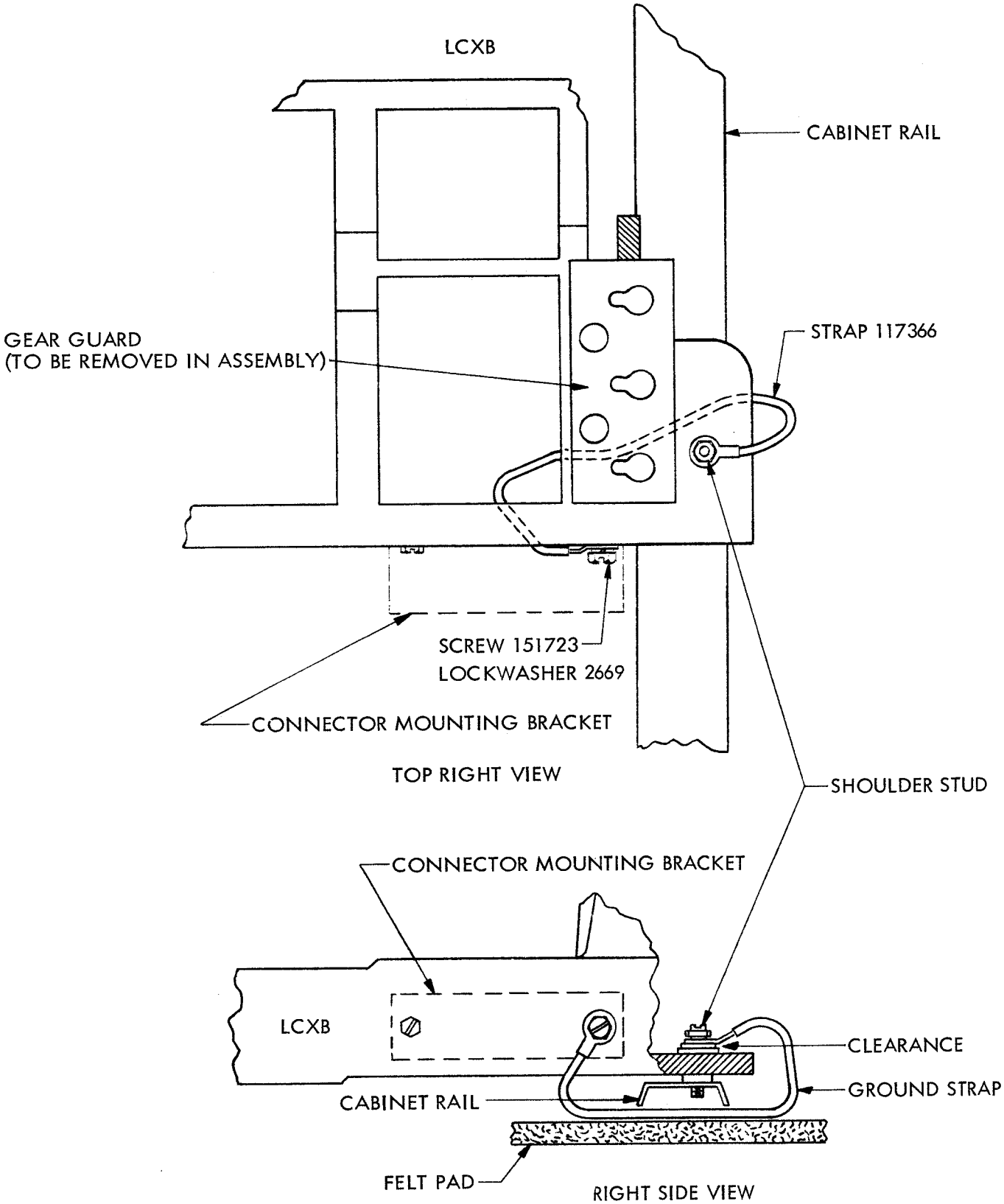


Figure 2-14. Transmitter Distributor Base Ground Strap Arrangement

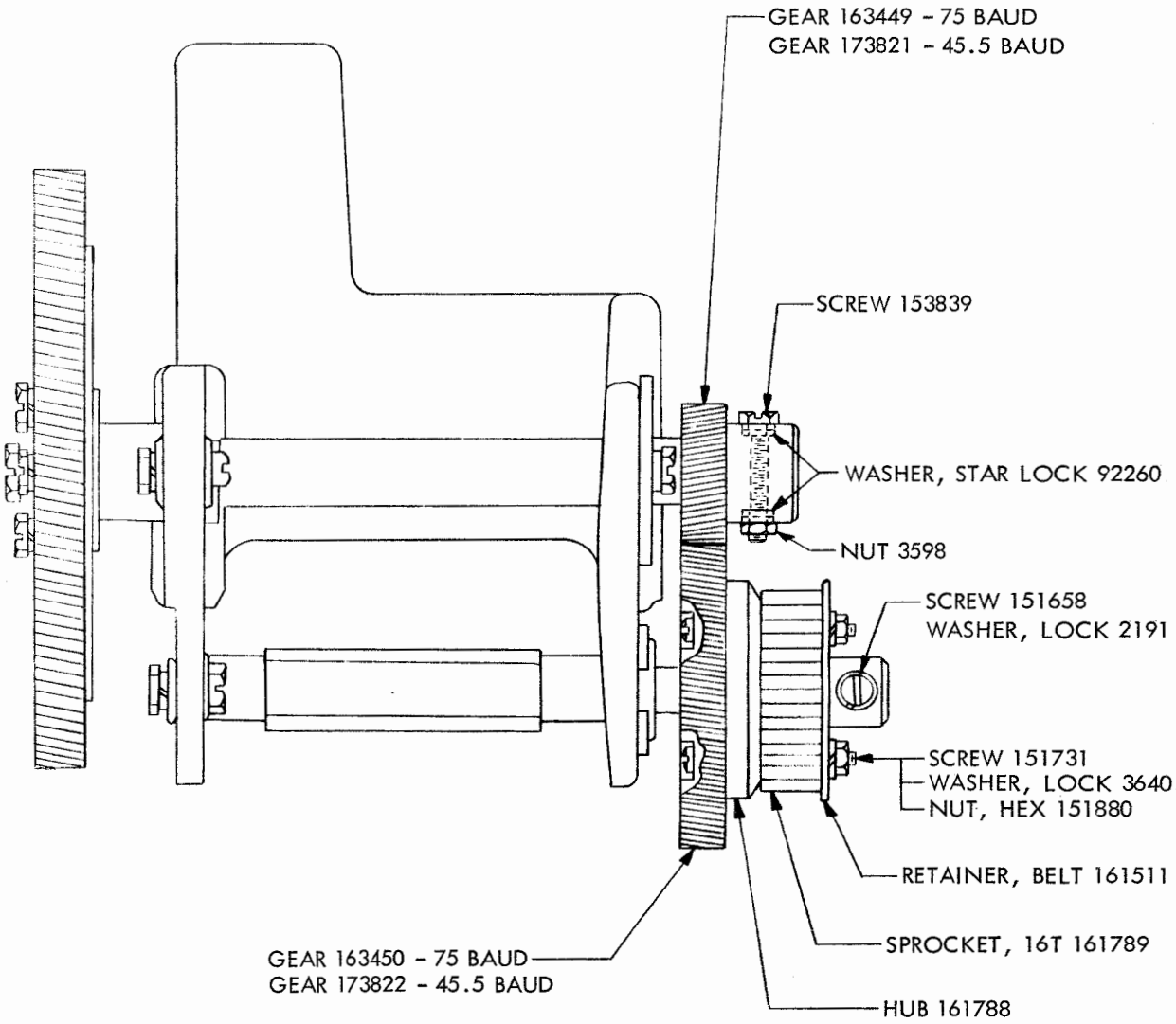


FIGURE 2-15. SPEED CHANGE GEARS ON AUXILIARY REPERFORATOR BASE

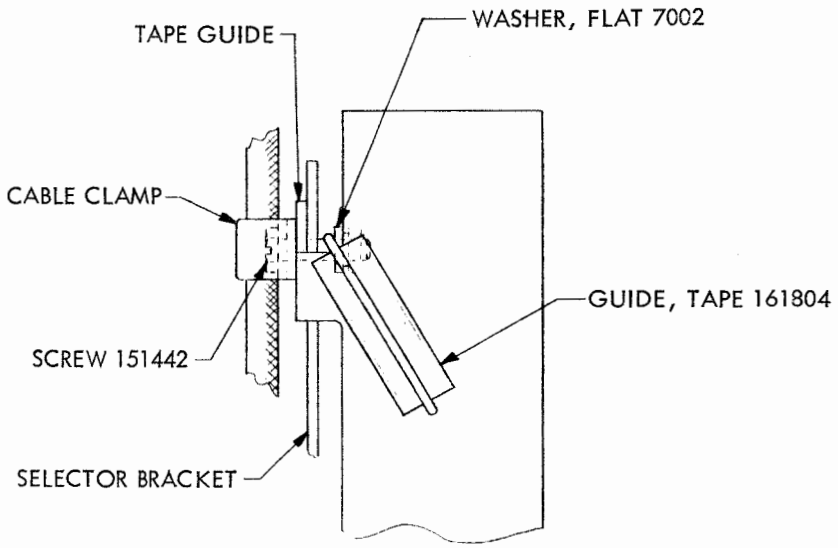


FIGURE 2-16. TAPE GUIDE MOUNTING FOR AUXILIARY REPERFORATOR

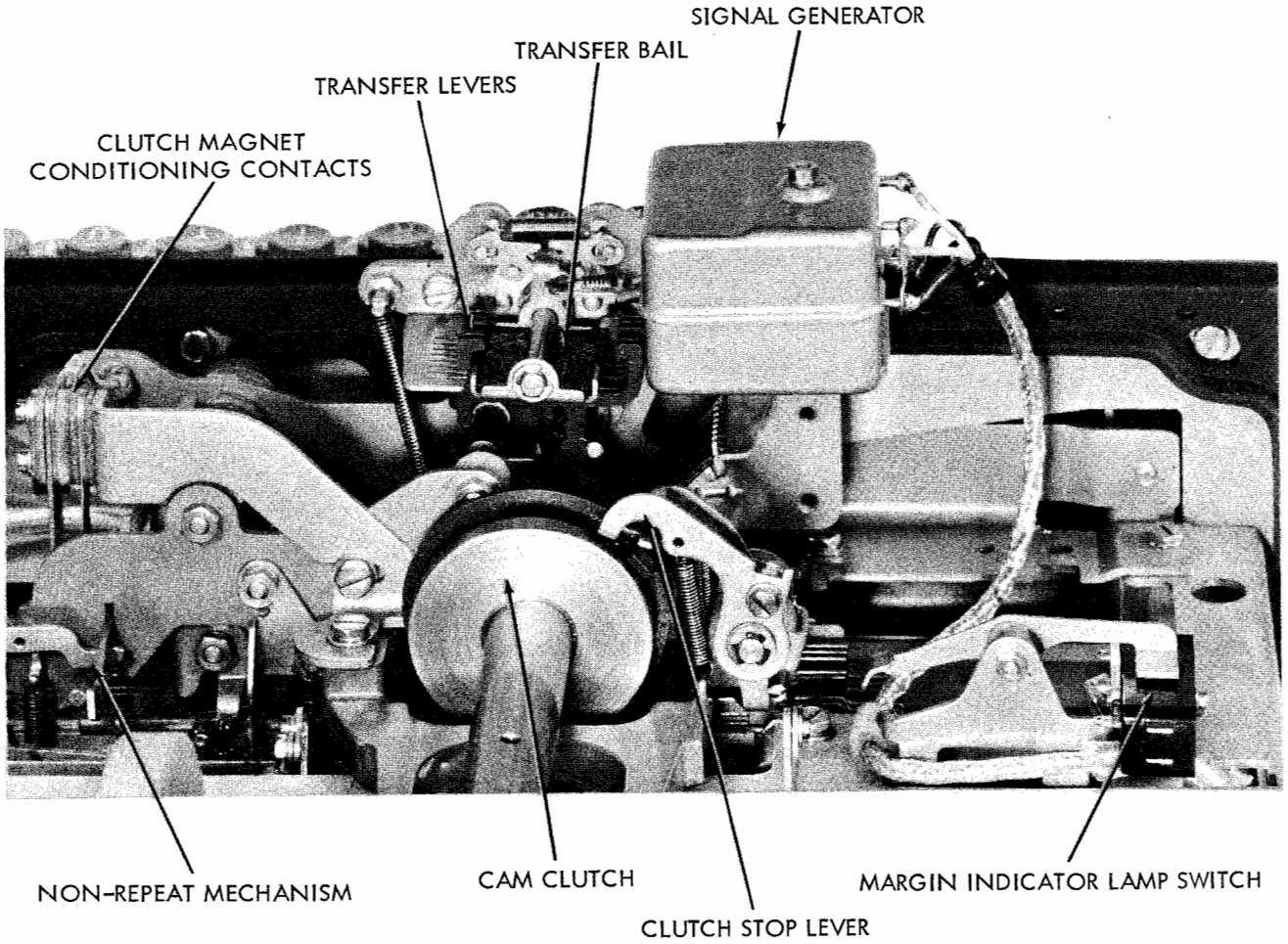


FIGURE 4-11A. KEYBOARD SIGNAL GENERATOR (REAR VIEW)

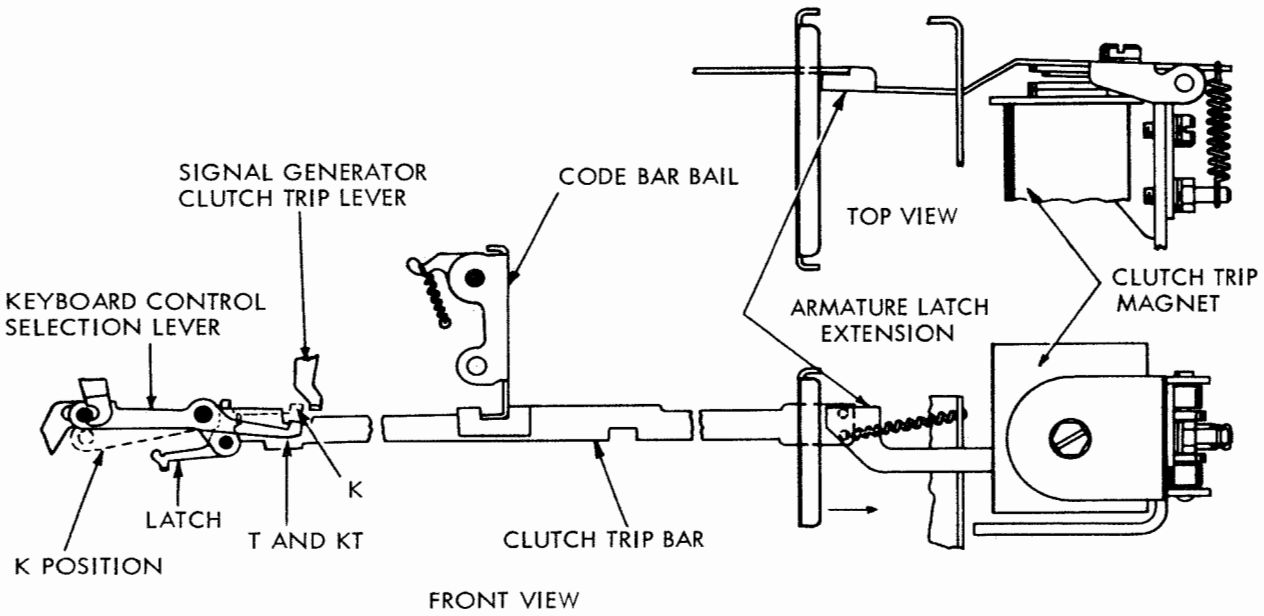


FIGURE 4-11B. SIGNAL GENERATOR CLUTCH TRIP BAR AND SYNCHRONOUS PULSED MAGNET

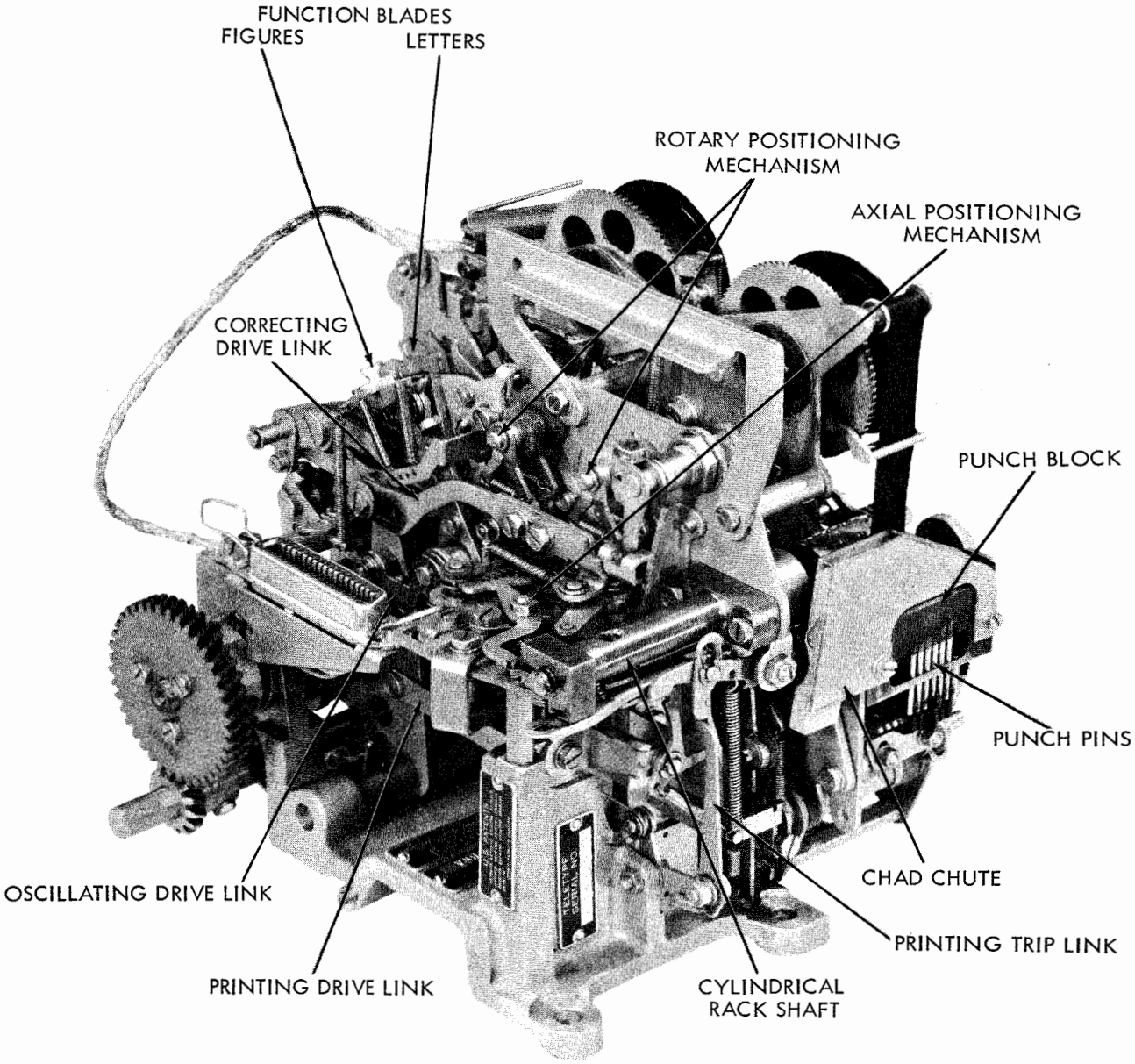
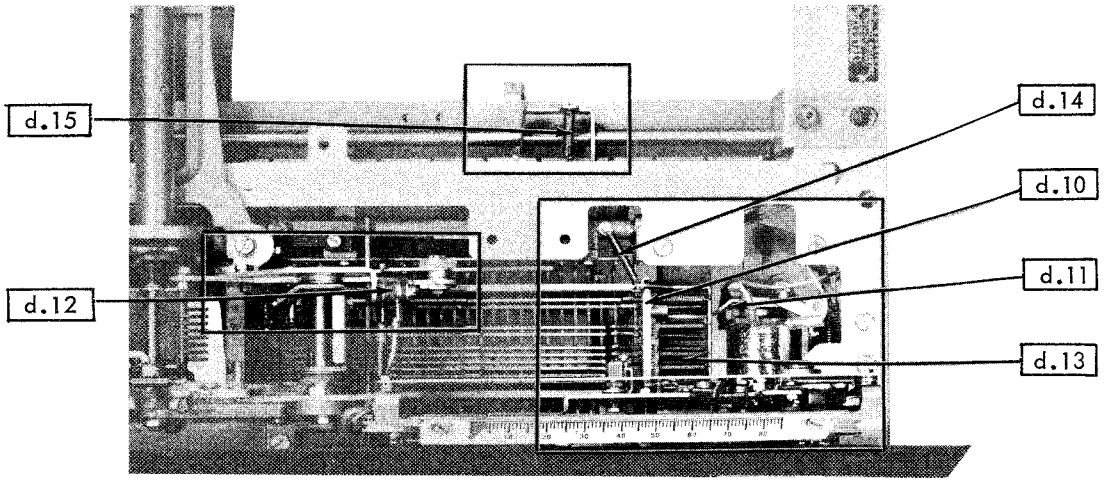
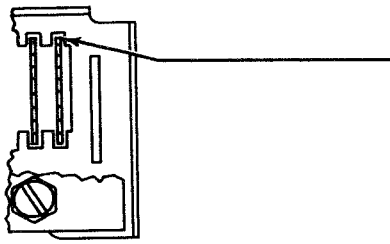


FIGURE 6-69A. TYPING REPERFORATOR (REAR VIEW)



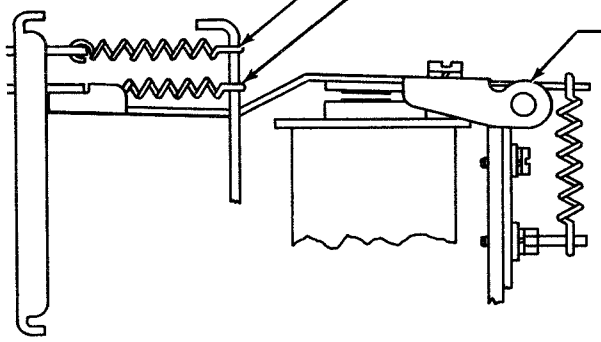
FRONT

d.10 CODE BAR GUIDE



O GUIDE SLOTS (LEFT, RIGHT, TOP AND BOTTOM)

d.11 SYNCHRONOUS PULSED MAGNET MECHANISM

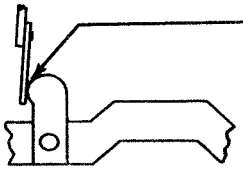


O HOOKS-EACH END UNIVERSAL CODE BAR SPRING

O HOOKS-EACH END CLUTCH TRIP BAR SPRING

SAT FELT WASHERS ARMATURE-PIVOT

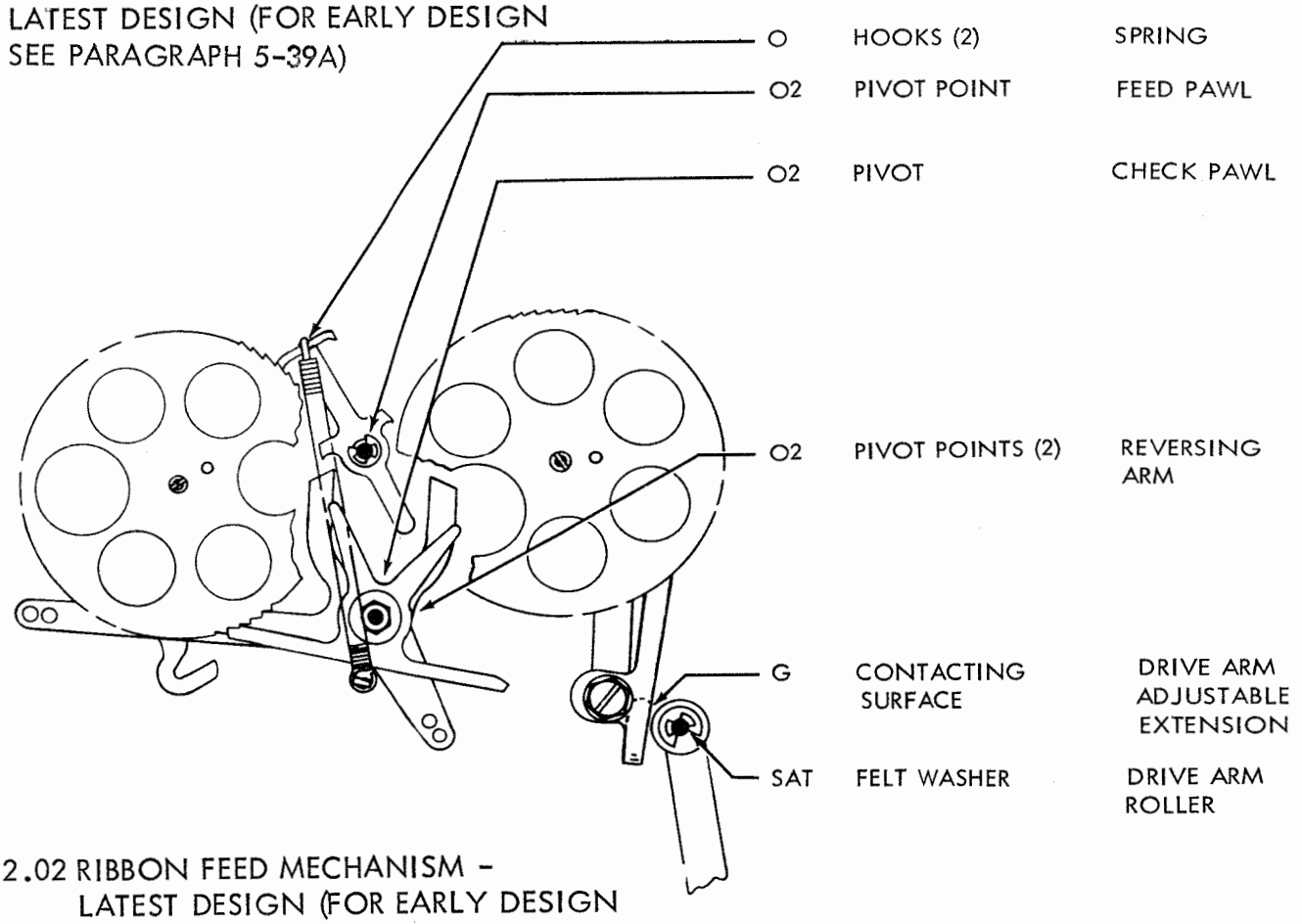
d.12 CONTACT SWINGER



G ENGAGING SURFACE

FIGURE 5-38A. KEYBOARD LUBRICATION

2.01 RIBBON FEED MECHANISM - LATEST DESIGN (FOR EARLY DESIGN SEE PARAGRAPH 5-39A)



2.02 RIBBON FEED MECHANISM - LATEST DESIGN (FOR EARLY DESIGN SEE PARAGRAPH 5-39B)

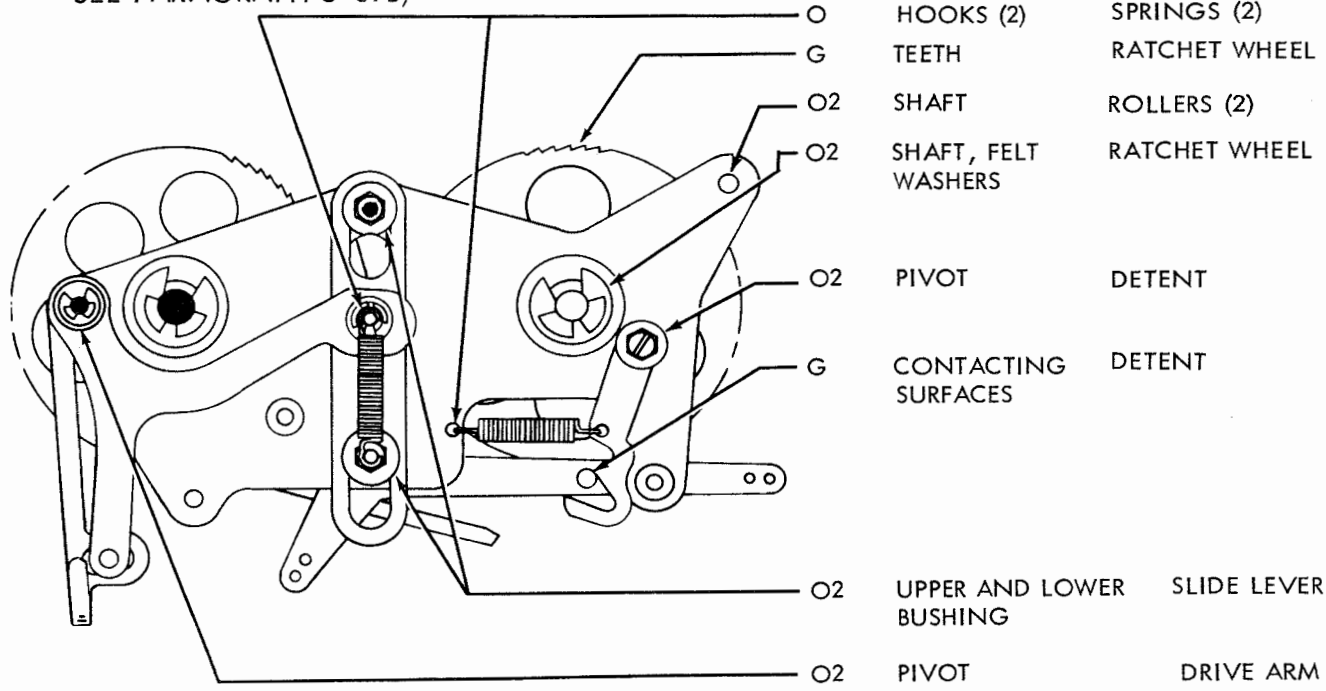
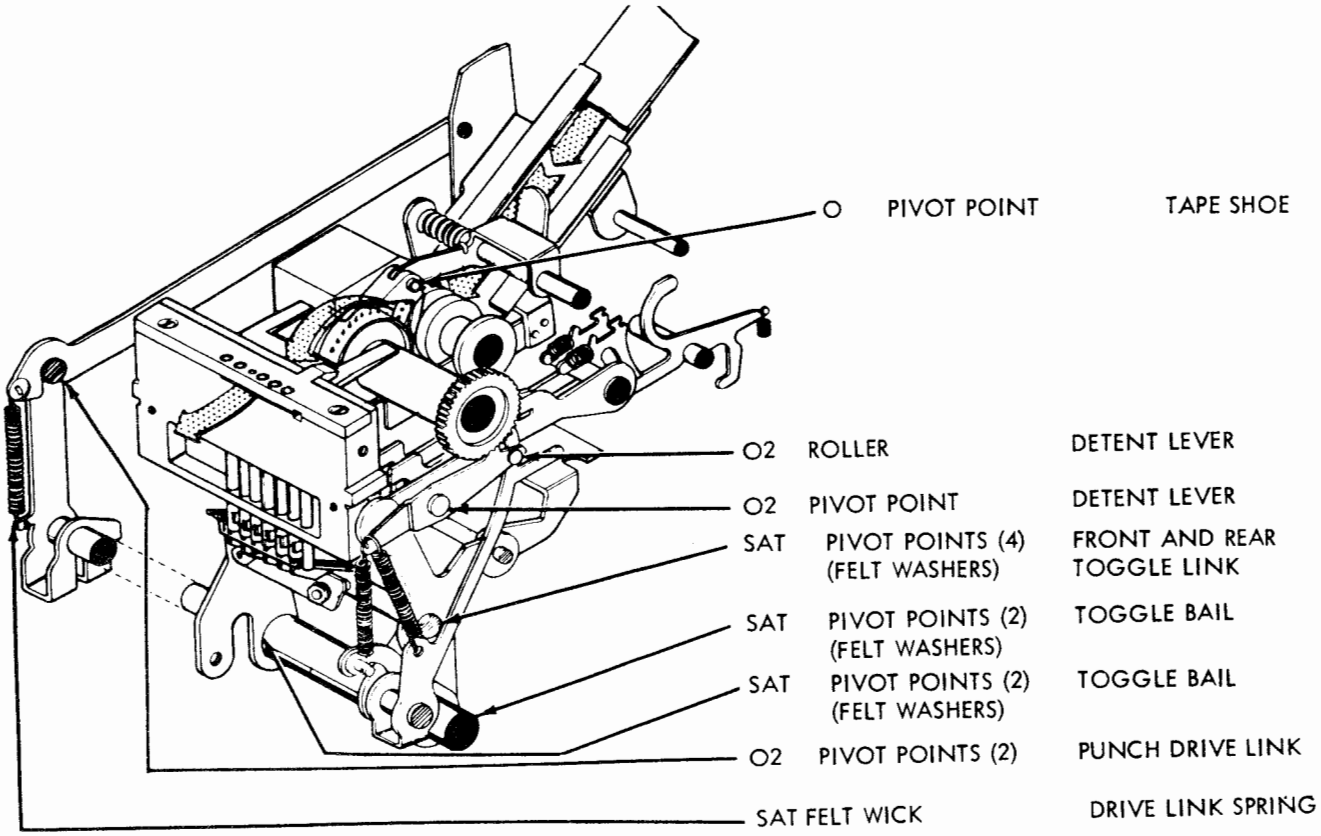


FIGURE 5-39A. TYPING REPERFORATOR TT-373/UG, AND TT-375/UG LUBRICATION - RIBBON FEED MECHANISM

2.09 PERFORATOR MECHANISM (FOR FULLY PERFORATED TAPE).



2.10 PERFORATOR MECHANISM (FOR FULLY PERFORATED TAPE).

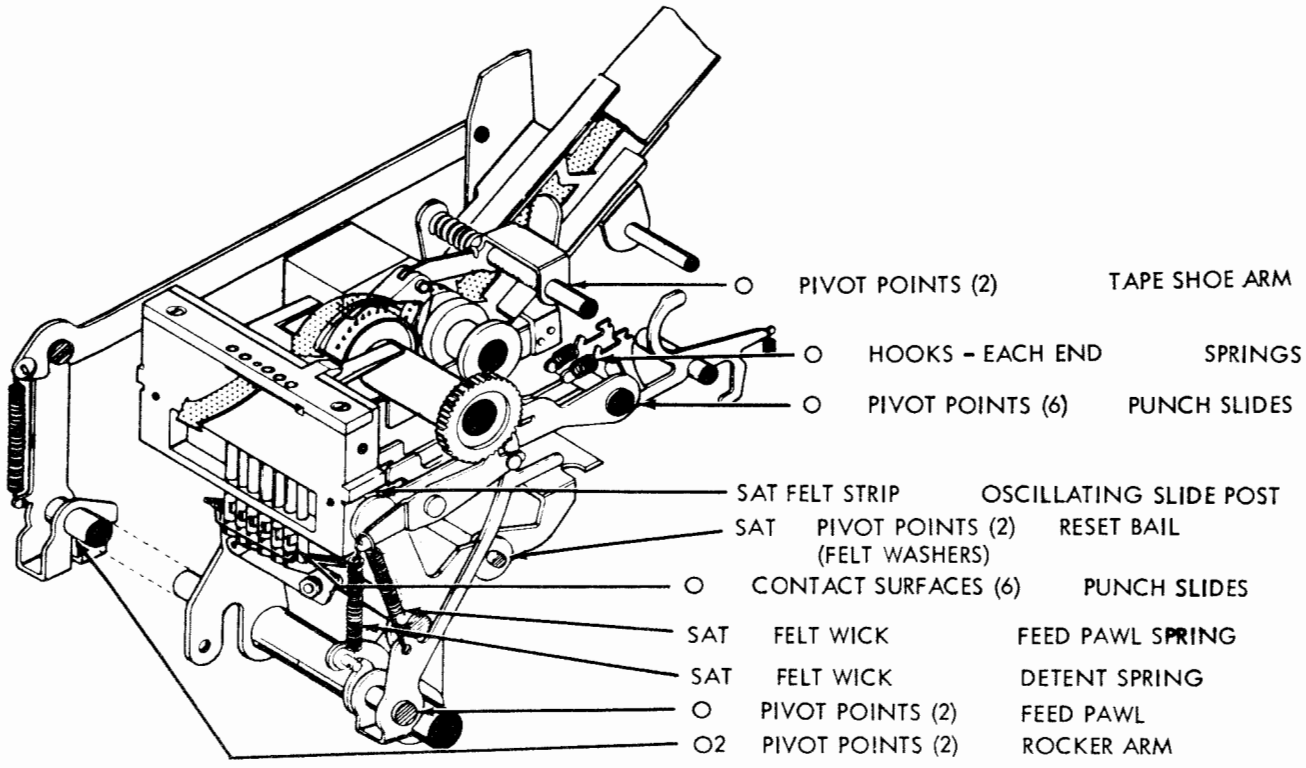
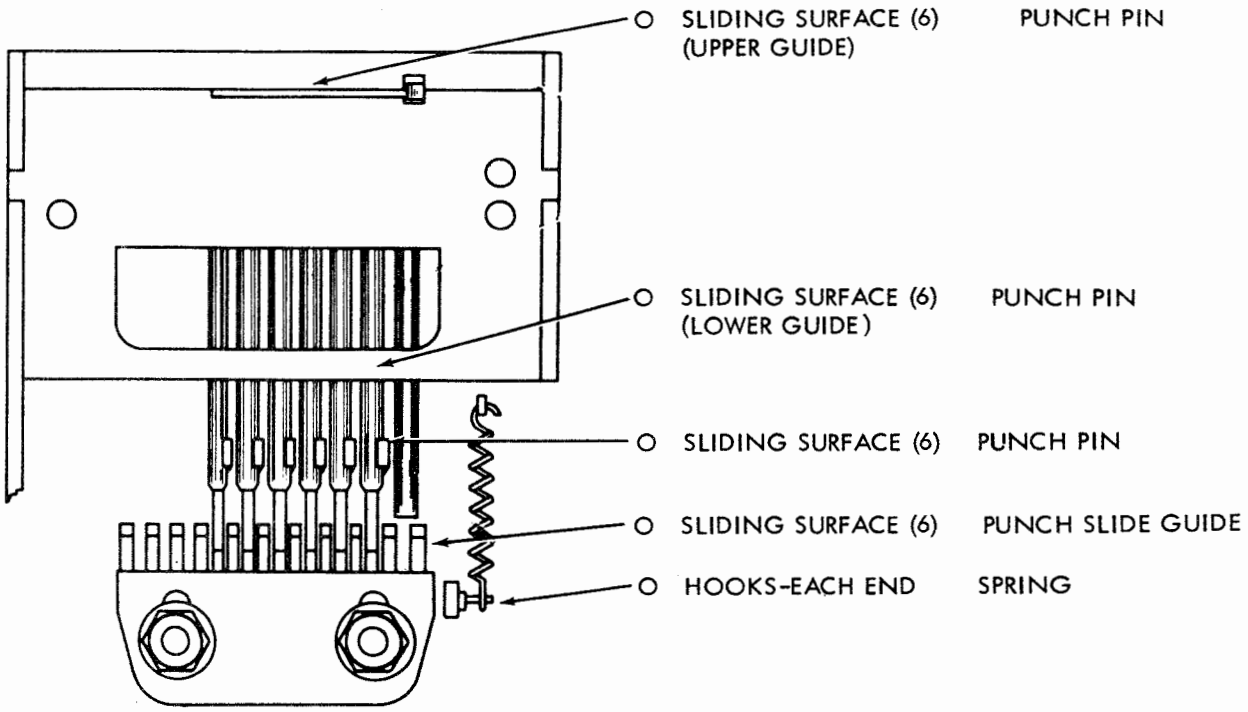


FIGURE 5-41A. TYPING REPERFORATOR TT-373/UG, AND TT-375/UG LUBRICATION - PERFORATOR MECHANISM

2.11 PERFORATED MECHANISM (FOR FULLY PERFORATED TAPE).



2.12 PERFORATED MECHANISM (FOR FULLY PERFORATED TAPE).

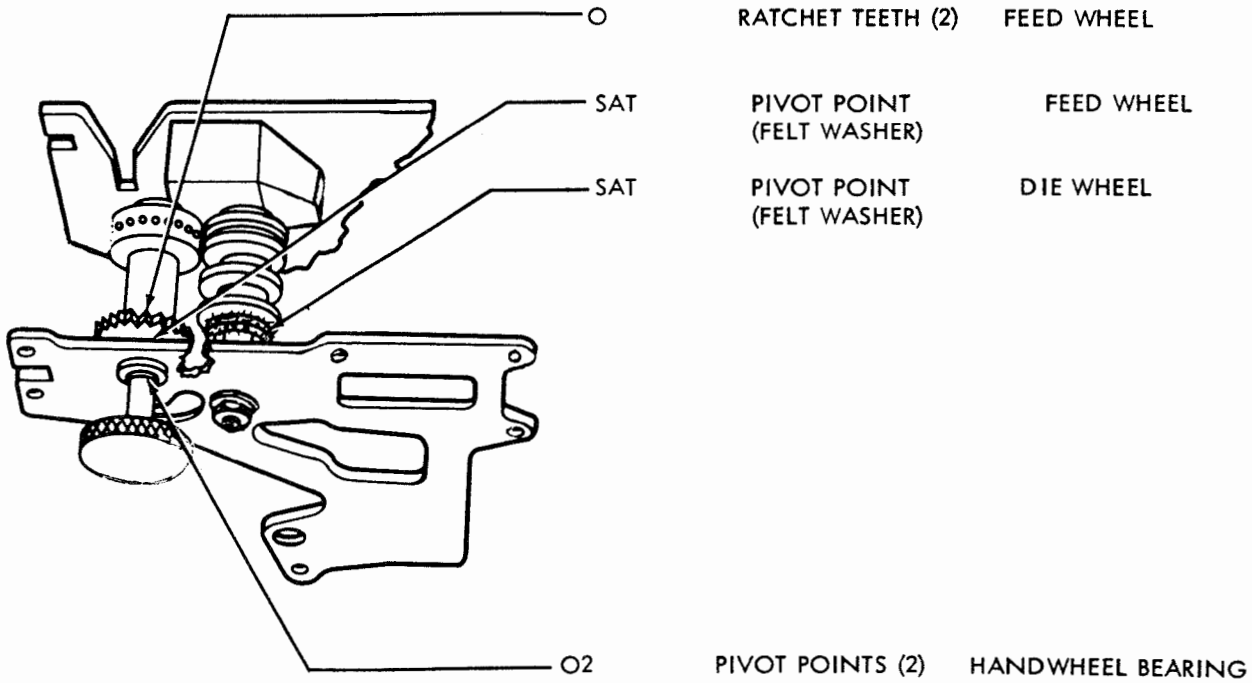
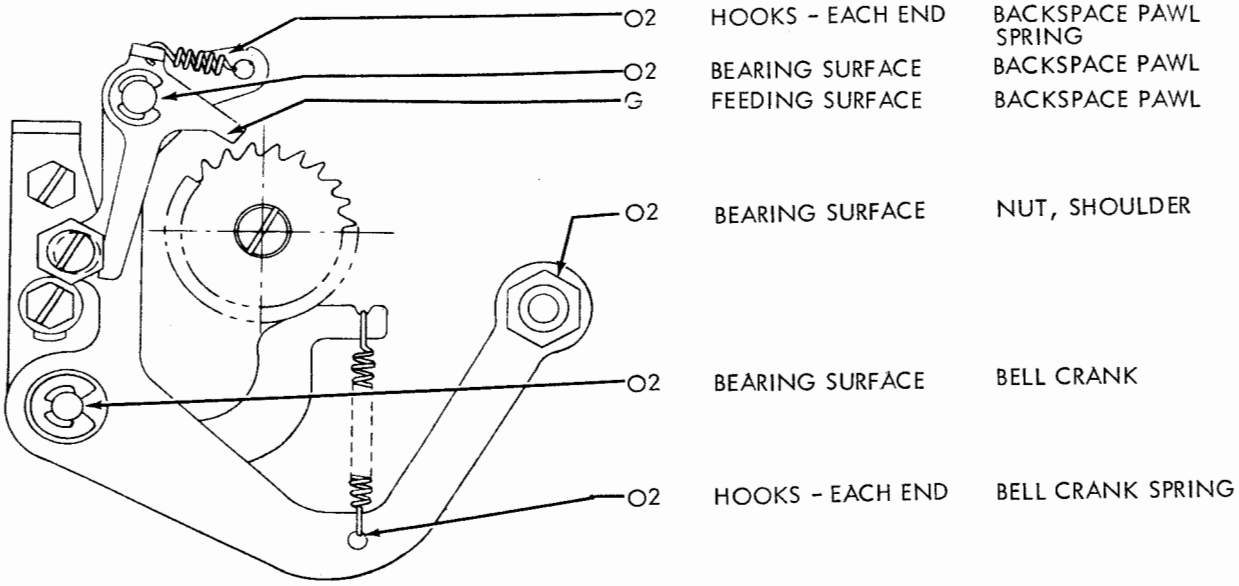


FIGURE 5-41B. TYPING REPERFORATOR TT-373/UG, AND TT-375/UG LUBRICATION - PERFORATOR MECHANISM

5.29 POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE



5.30 POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE

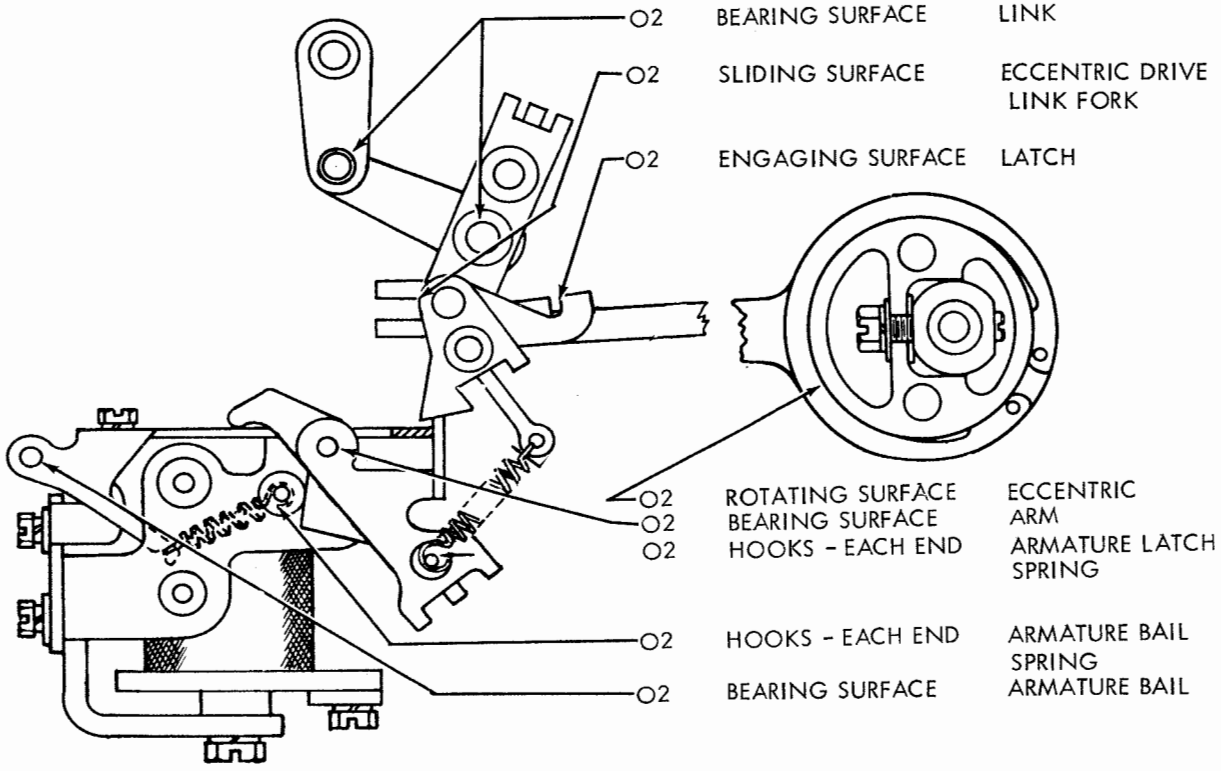
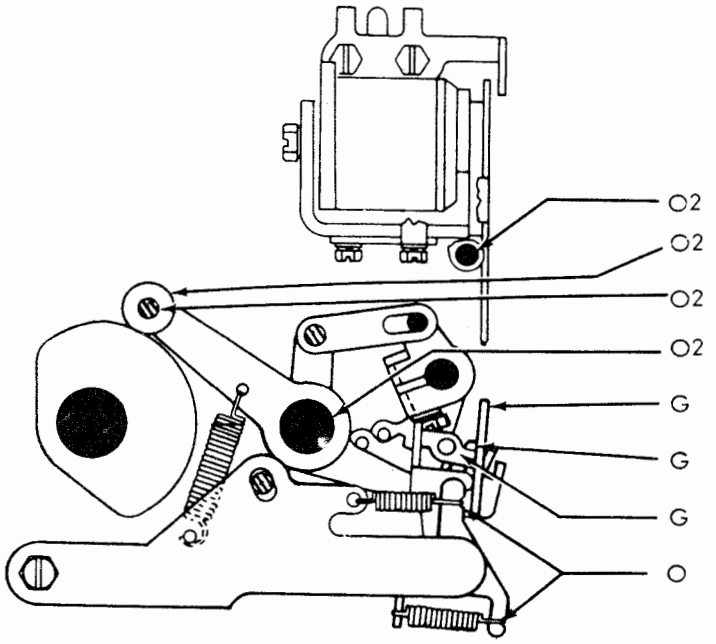


Figure 5-52A. Typing Reperforator TT-373/UG Lubrication-Back Space Mechanism

5.38 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN



5.39 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN

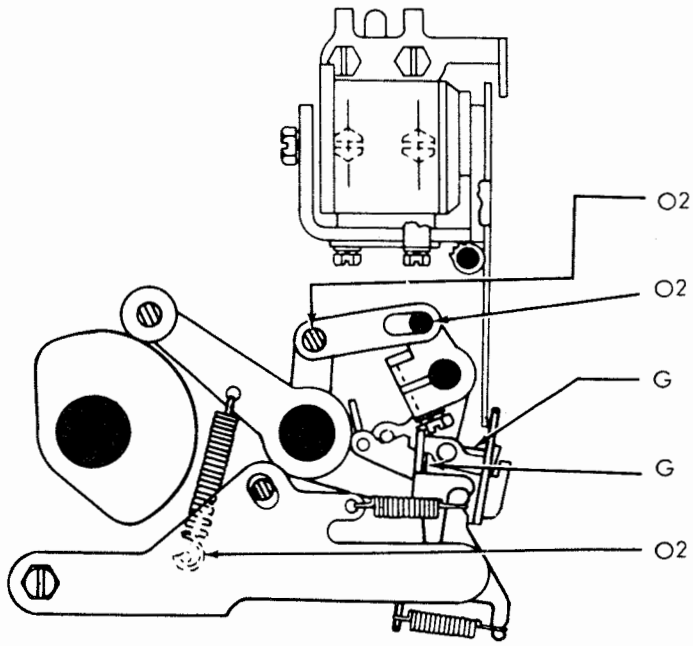
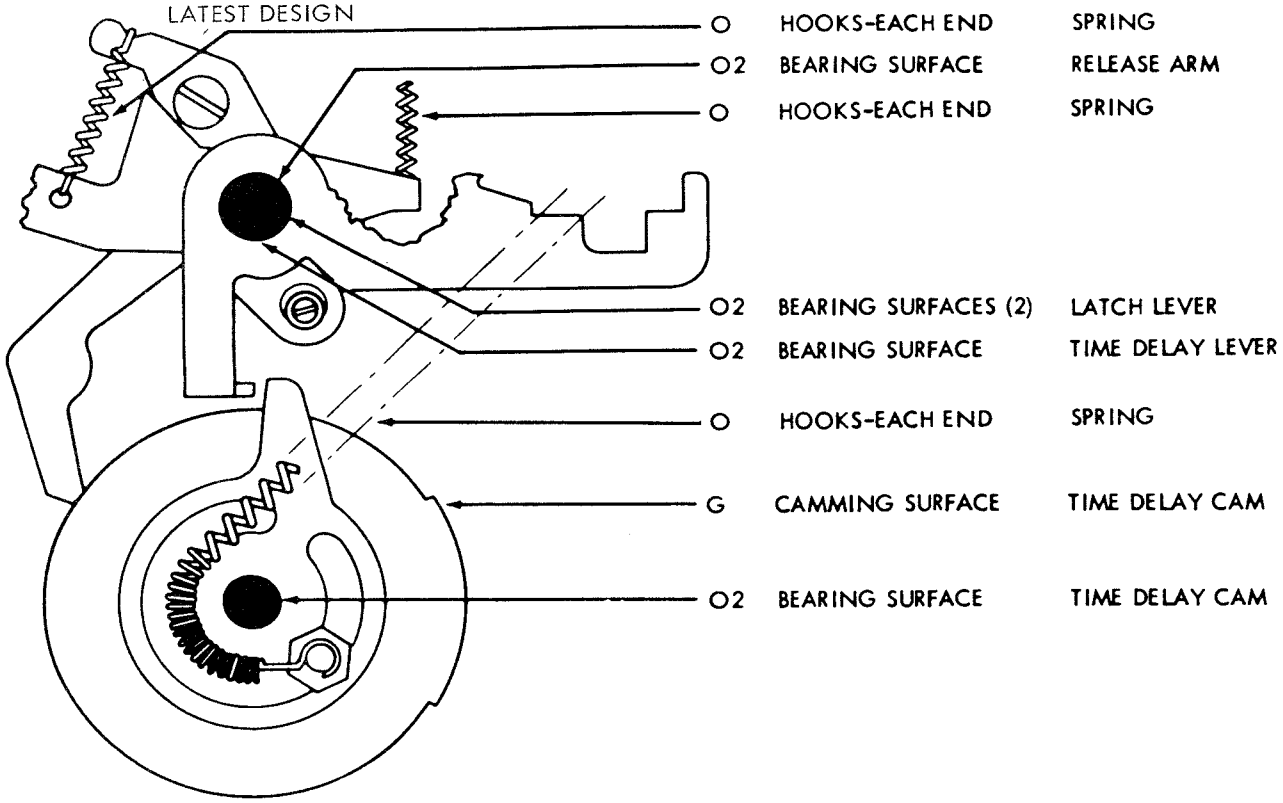


FIGURE 5-52B. TYPING REPERFORATOR TT-375/UG LUBRICATION - NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

5.40 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM
LATEST DESIGN



5.41 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM
LATEST DESIGN

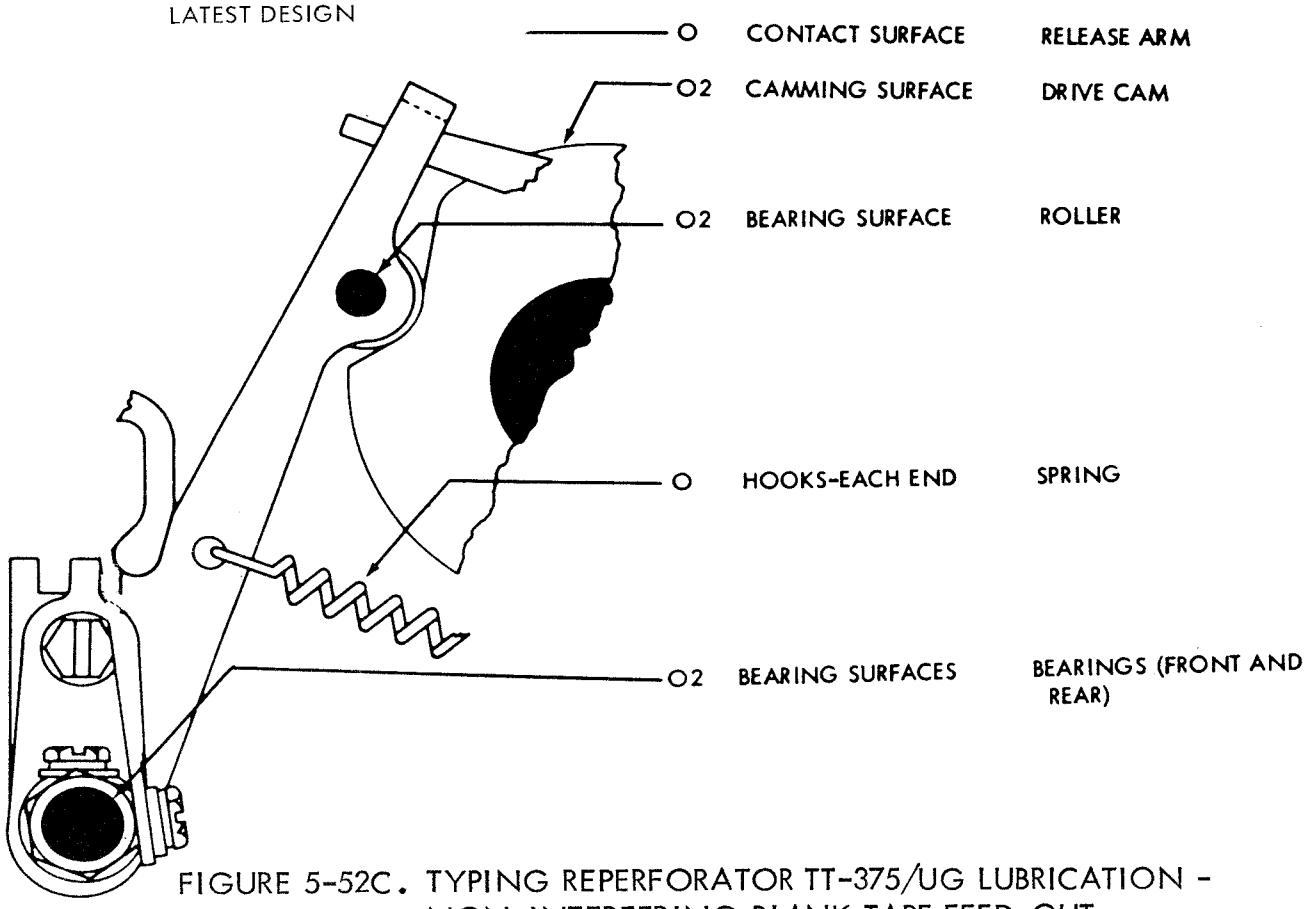
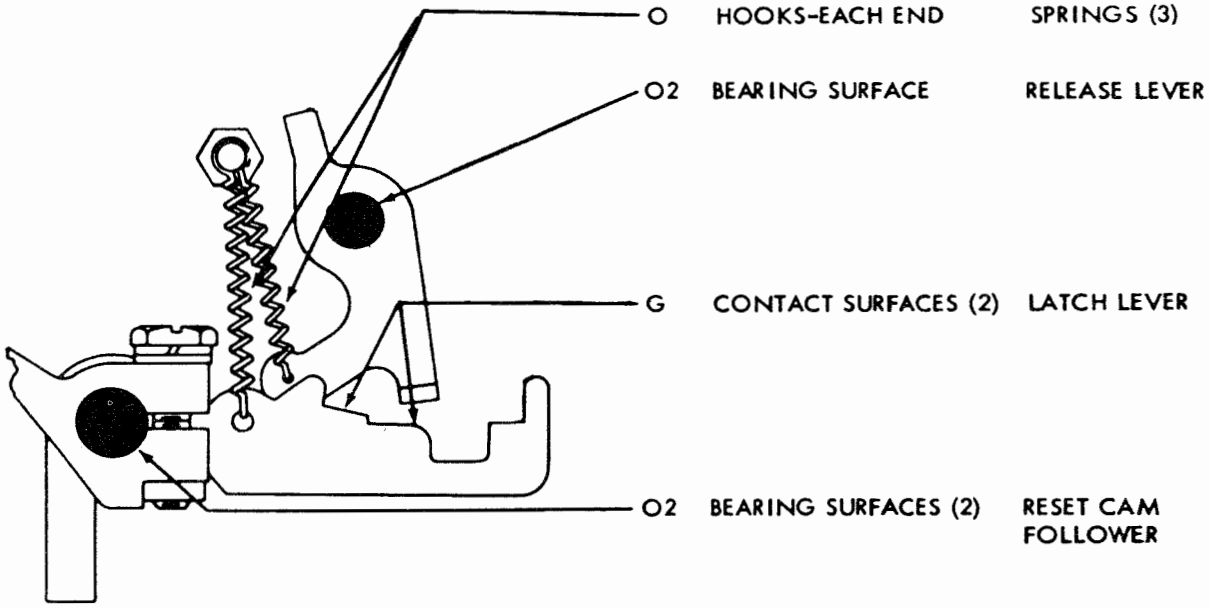


FIGURE 5-52C. TYPING REPERFORATOR TT-375/UG LUBRICATION - NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

5.42 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN



5.43 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN

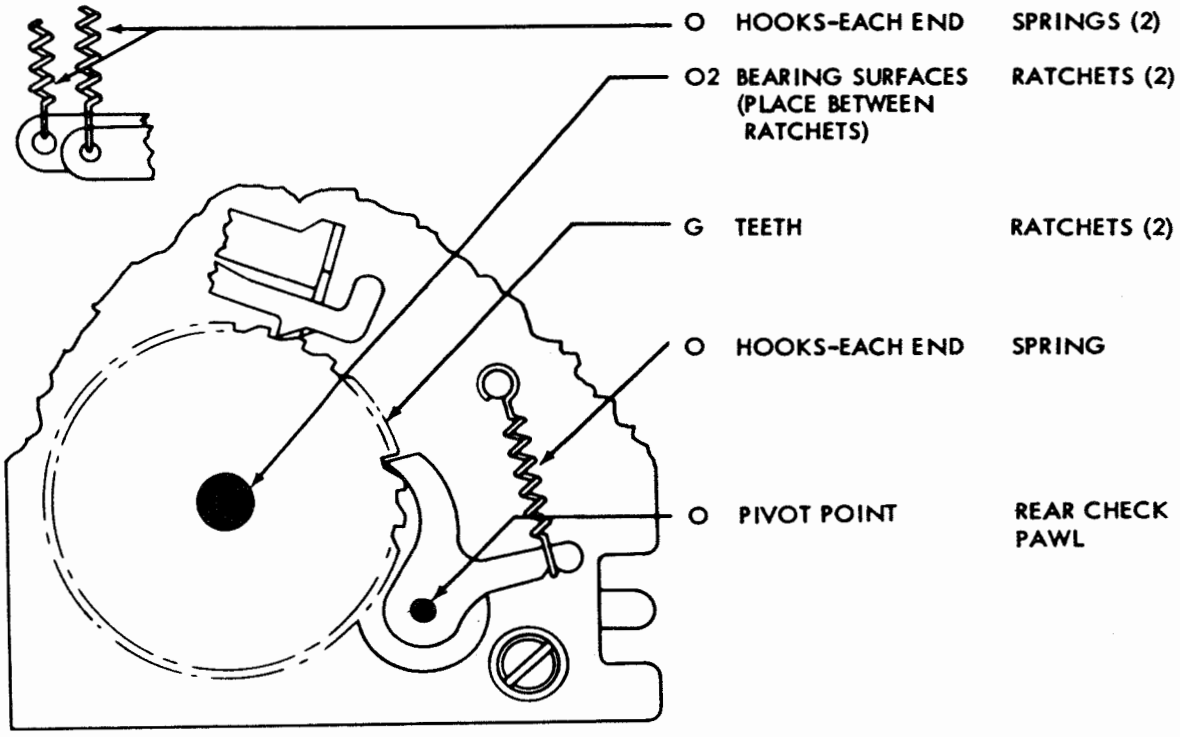
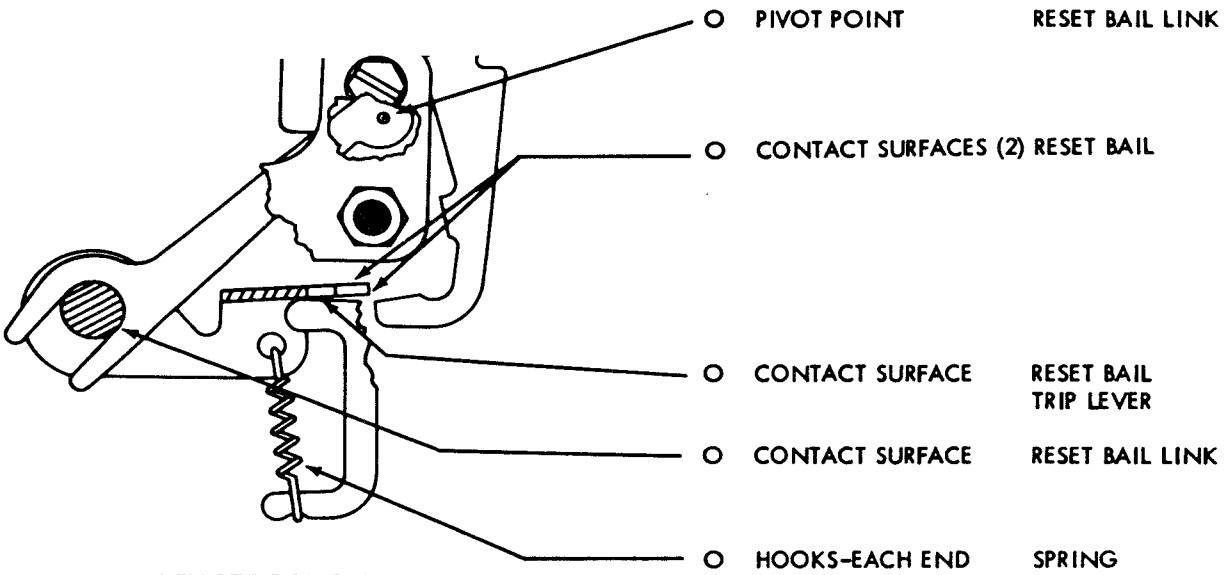
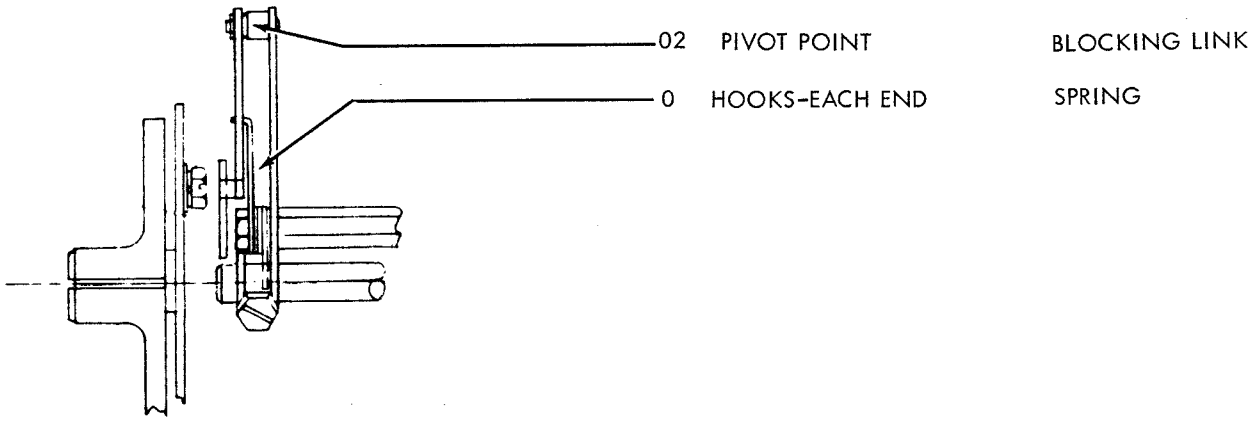


FIGURE 5-52D. TYPING REPERFORATOR TT-375/UG LUBRICATION - NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

5.44 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN



5.45 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN



5.46 REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM LATEST DESIGN

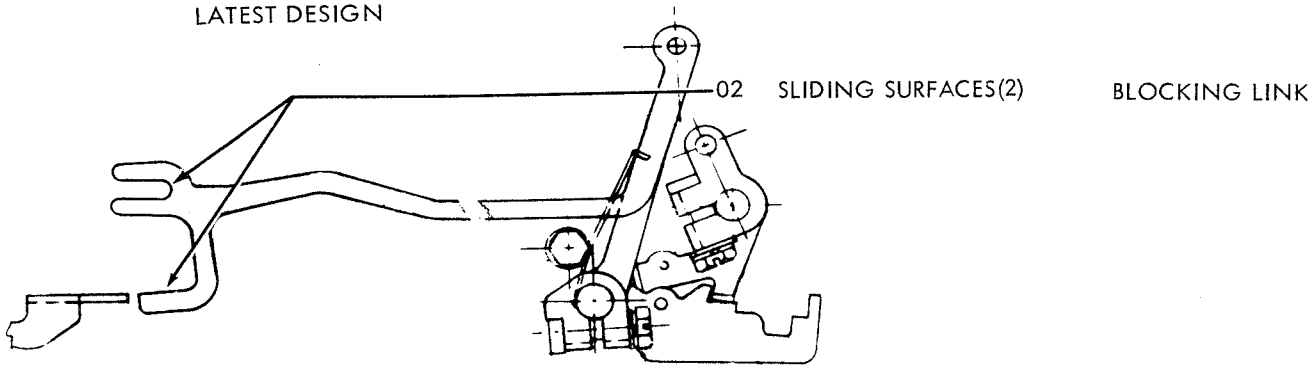
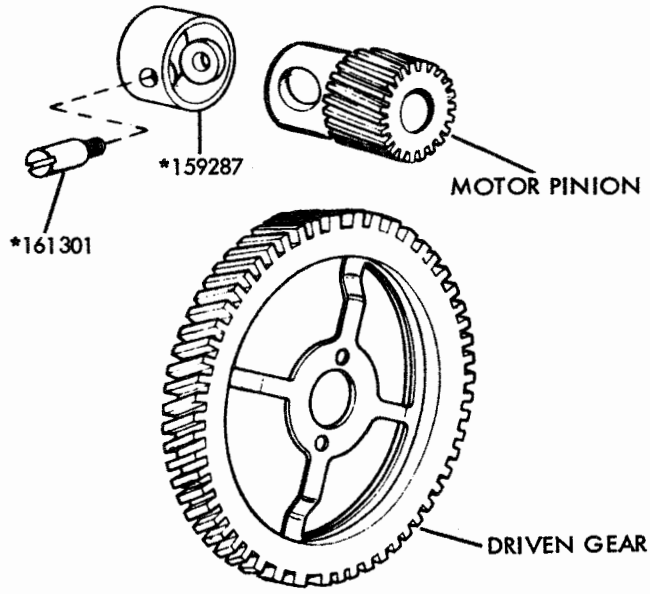
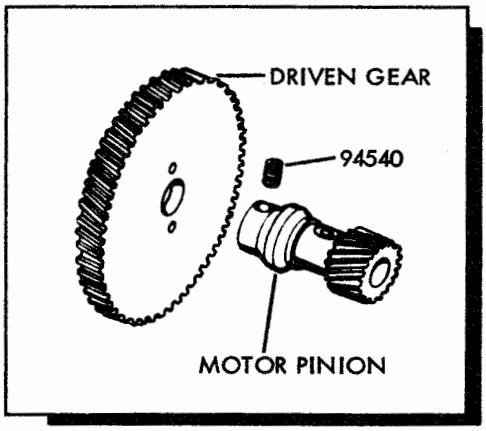


FIGURE 5-52E. TYPING REPERFORATOR TT-375/UG LUBRICATION - NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM





OLD STYLE GEAR SET PARTS
(see note on opposite page)

*Parts included with every Gear Set

GEAR SETS - 5 LEVEL CODE (7.00 UNIT CODE)					
GEAR SET	DRIVEN GEAR	PINION	OPM	WPM	BAUD
173795	173793 - 100T	173794 - 14T	390	65	45.5
163504	163462 - 117T	163461 - 18T	428	71	50
163505	163464 - 104T	163463 - 24T	643	107	75

GEAR SETS - 5 LEVEL CODE (7.42 UNIT CODE)					
GEAR SET	DRIVEN GEAR	PINION	OPM	WPM	BAUD
161293	159279 - 96T	159278 - 14T	368	60	45.5
161294	159282 - 93T	159281 - 17T	460	75	56.9
161295	159285 - 84T	159284 - 20T	600	100	74.2

Note:
The old style gear sets are no longer available. Replace the 158084 (60 W.P.M.), 158082 (75 W.P.M.), and 158080 (100 W.P.M.) Gear Sets with the 161293 (60 W.P.M.) 161294 (75 W.P.M.) and 161295 (100 W.P.M.).

FIGURE 6-4A. KEYBOARD BASE GEAR SETS AND ASSOCIATED CABLES

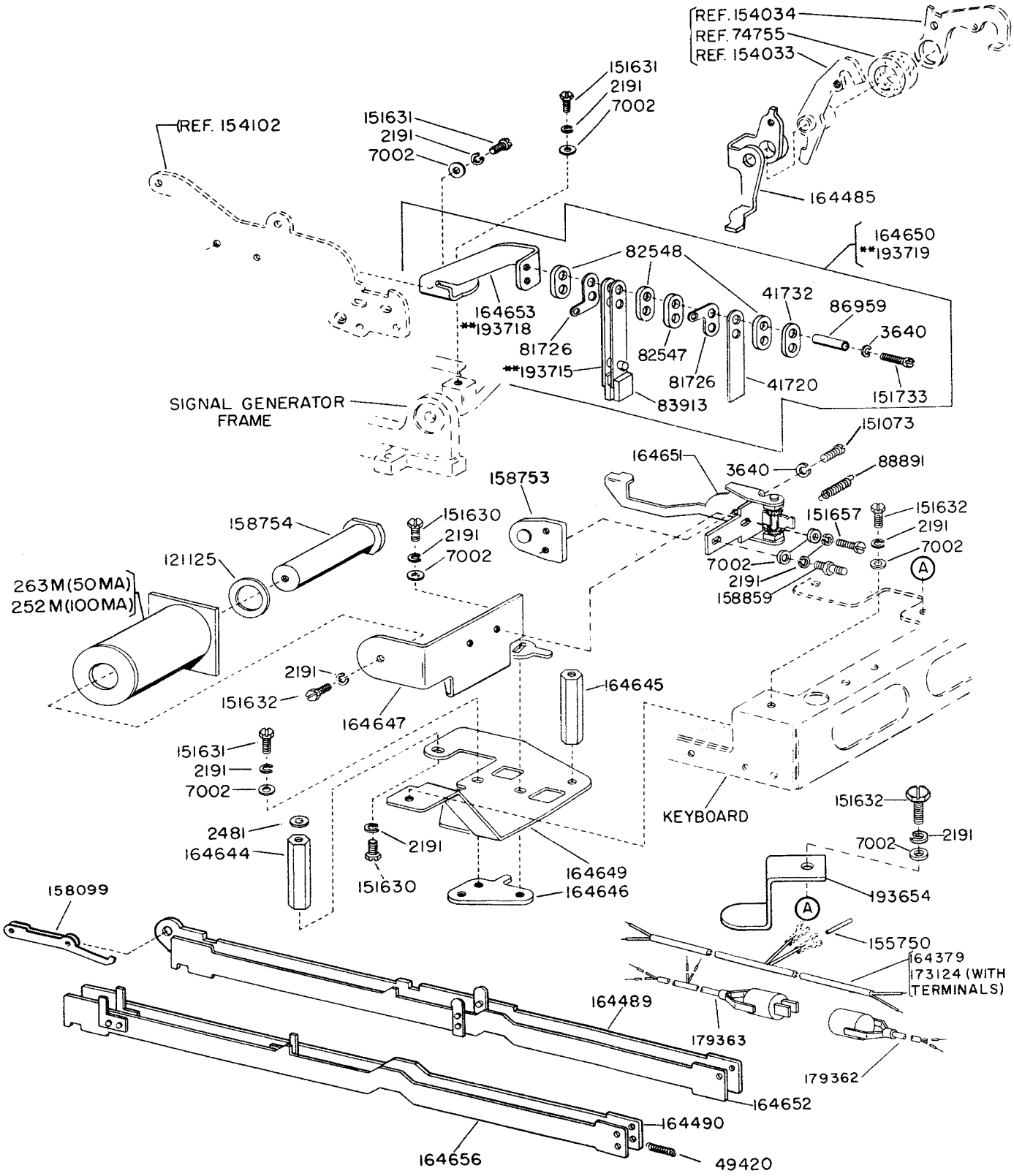


Figure 6-19A. MODIFICATION KIT TO PROVIDE SYNCHRONOUS PULSED TRANSMISSION

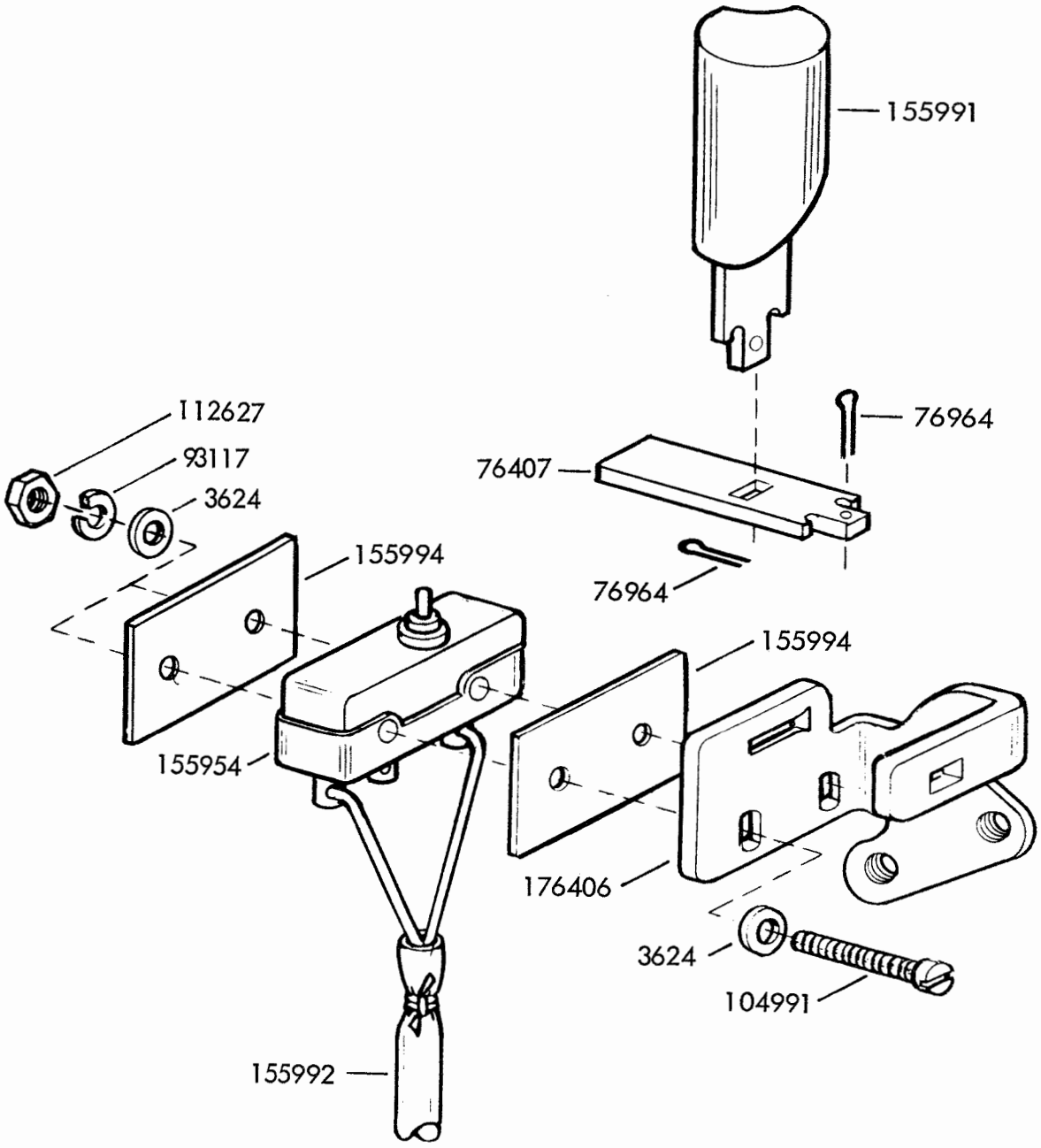

155991
112627
93117
3624
76964
76407
155994
76964
155994
155954
176406
3624
104991
155992

FIGURE 6-20A

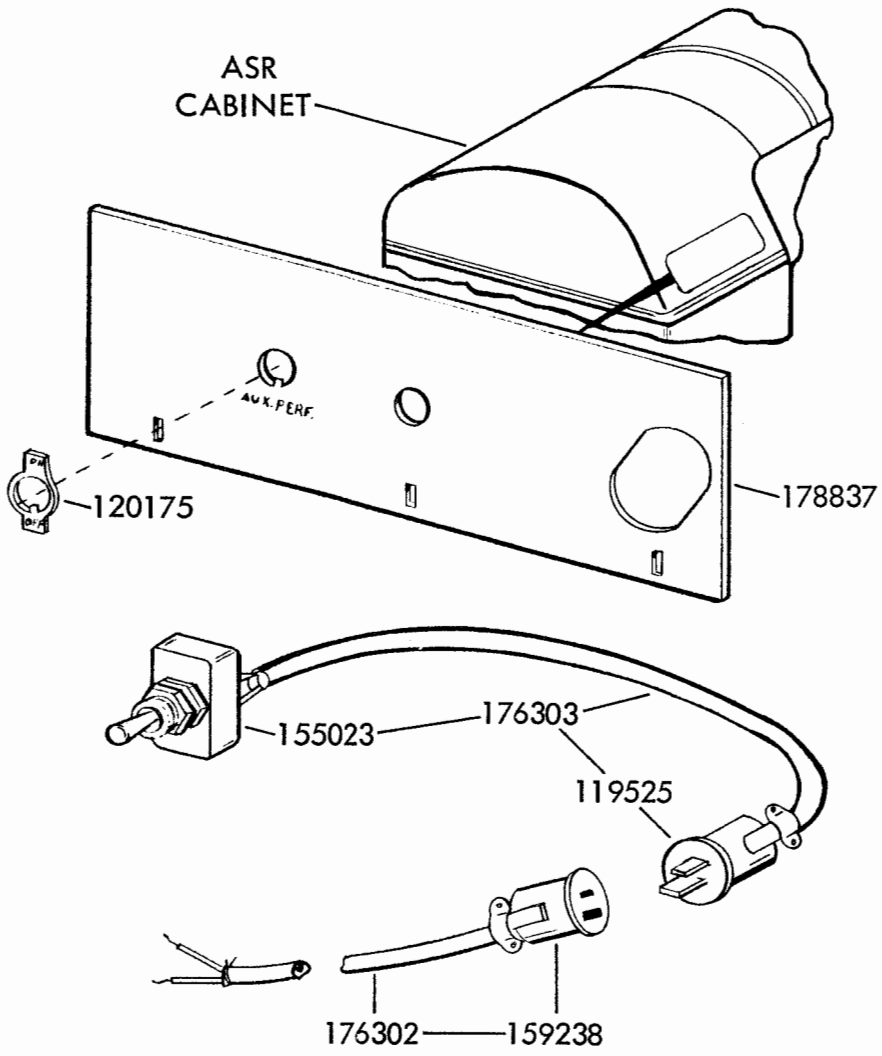

ASR
CABINET
AUX. PERF.
120175
178837
155023
176303
119525
176302
159238

FIGURE 6-53A

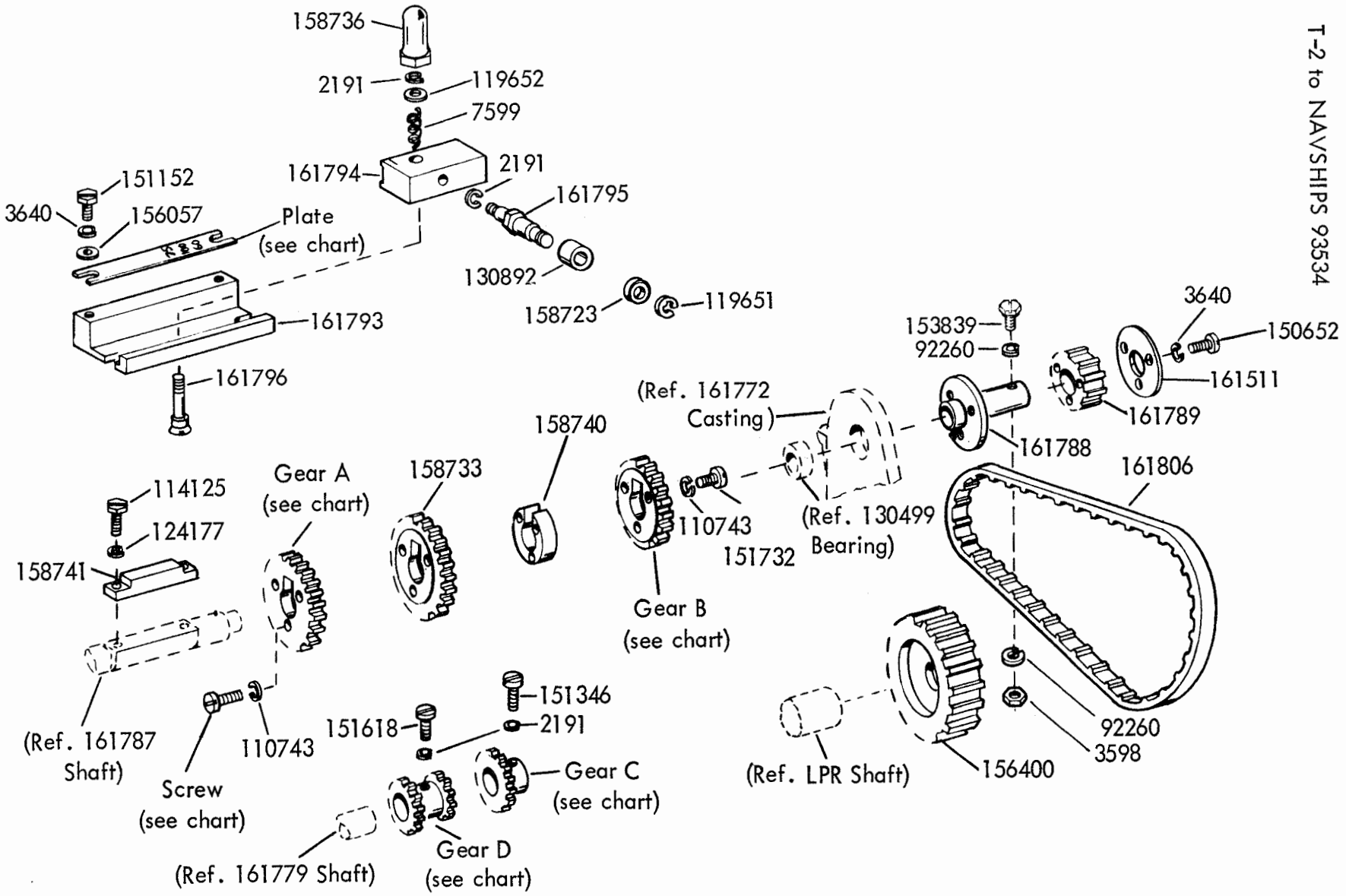
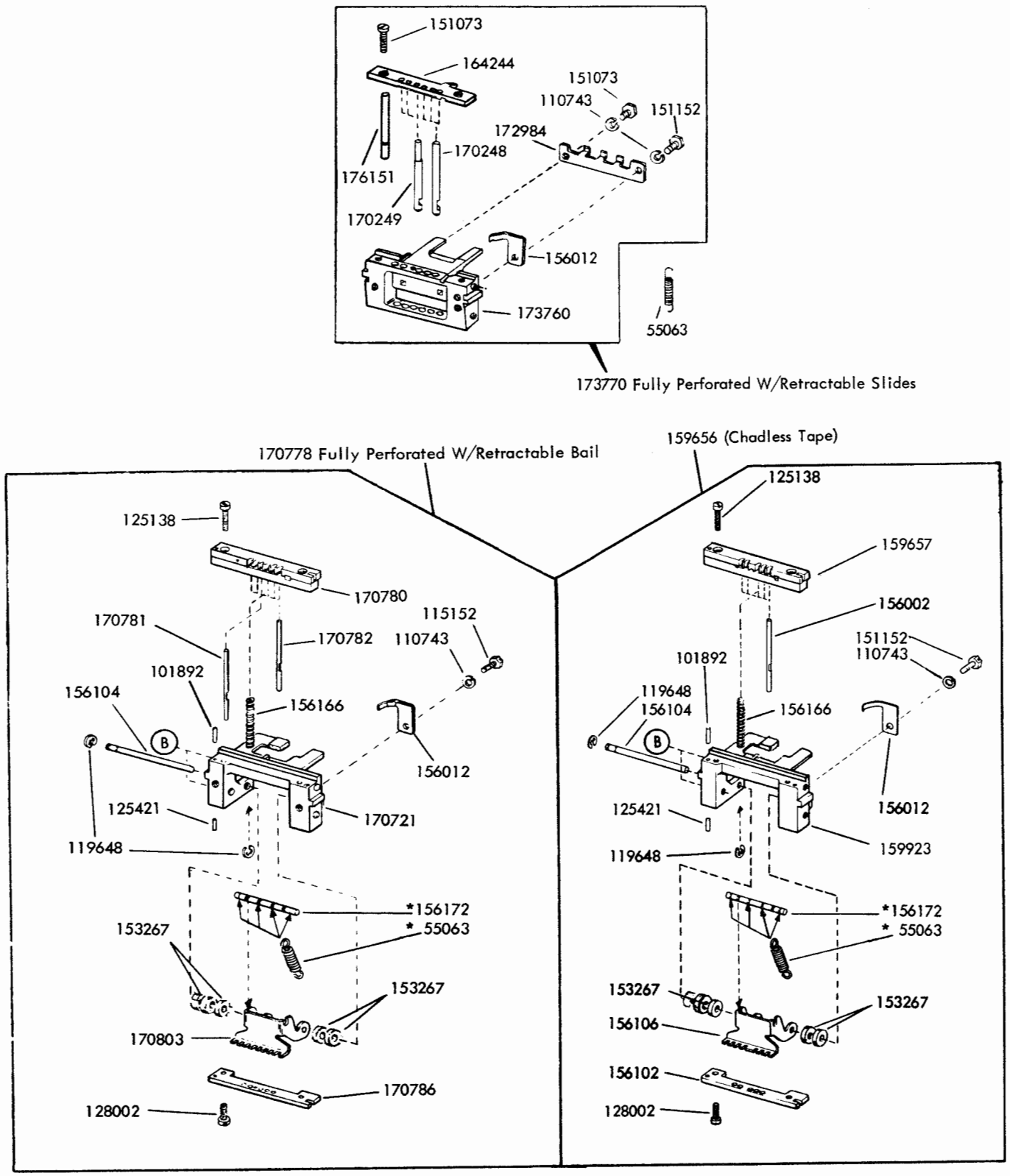


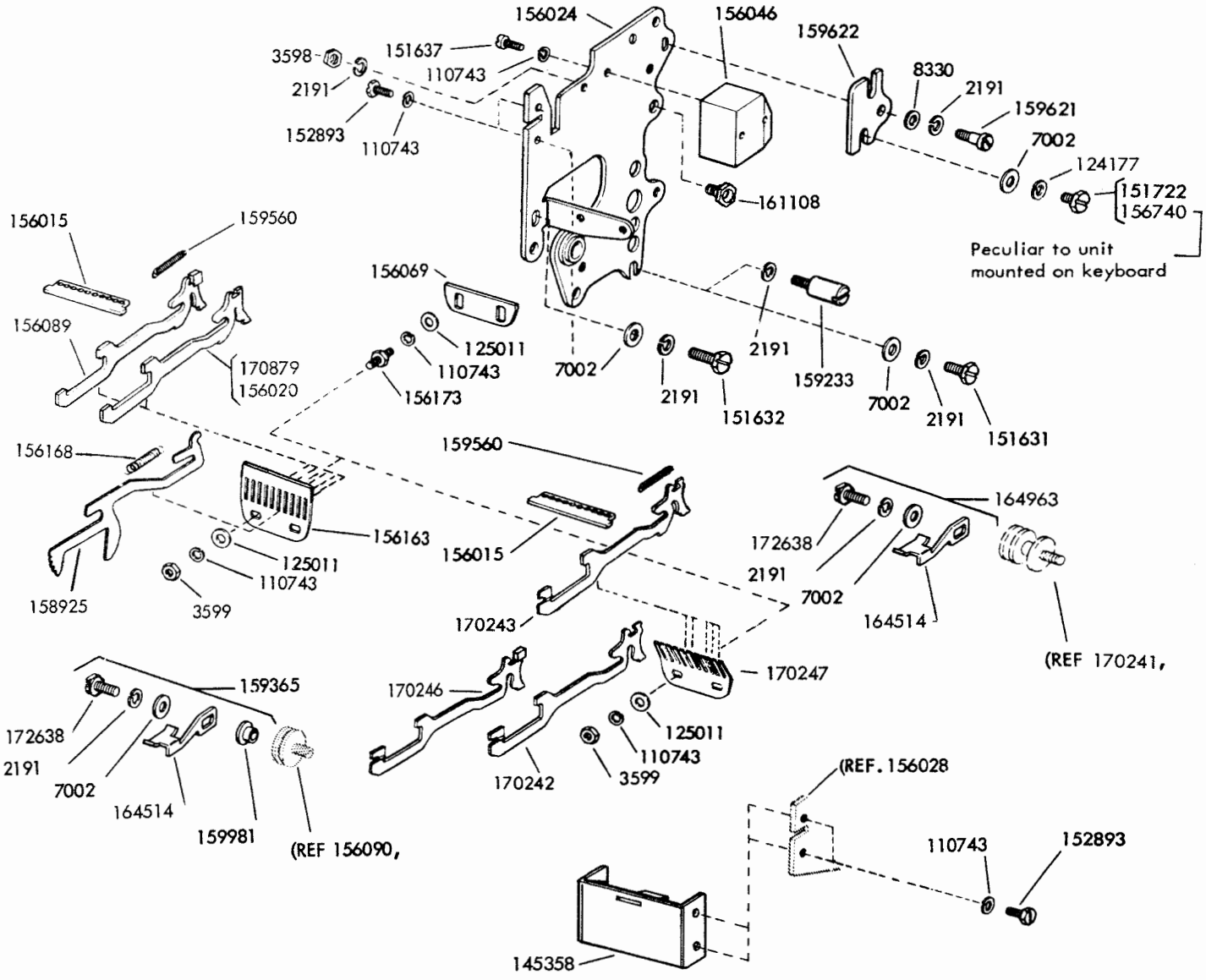
FIGURE 6-55A. AUXILIARY REPERFORATOR BASE GEARING MECHANISMS

Gear A	Gear B	Screw and Spacer		Gear C	Gear D	Plate
158734 (47T)	158716 (39T)	150089		158712 (26T)	158732 (24T-18T)	161797 (75-100-60)
163262 (49T)	158716 (39T)	151733	178910	158712 (26T)	178870 (22T-18T)	178885 (67-100-60)
163262 (49T)	179962 (40T)	151733		179913 (27T)	178870 (22T-18T)	192680 (50-75-45.5)



*Not part of 159656 or 170778

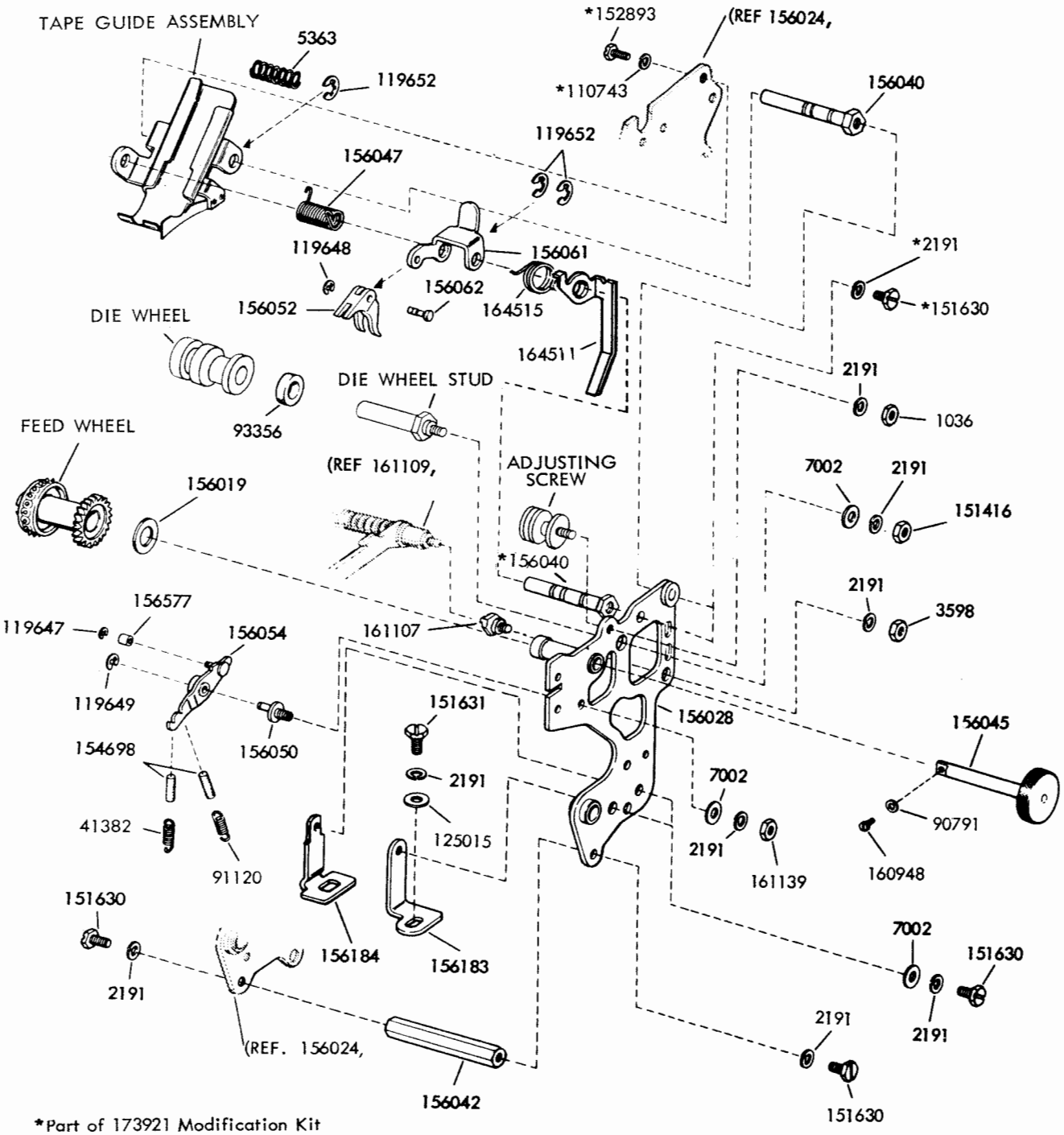
FIGURE 6-61A. PUNCH BLOCK ASSEMBLIES



TYPING REPERFORATORS - 5 LEVEL CODE			
Type of Punch	Chadless W/ Retractable Bail	Fully Perforated W/Retractable Bail	Fully Perforated W/Retractable Slides
*Punch Assembly	159656	170778	173770
Feed Hole Pins	——	170782	170249
Code Hole Pins	156002	170781	170248
Feed Pin Slide	——	170879	170242
Code Pin Slide	156020 156089	156089	170243 170246
Punch Slide Guide	156163	156163	170247

*See Figure 6-61A for Punch Block Assemblies

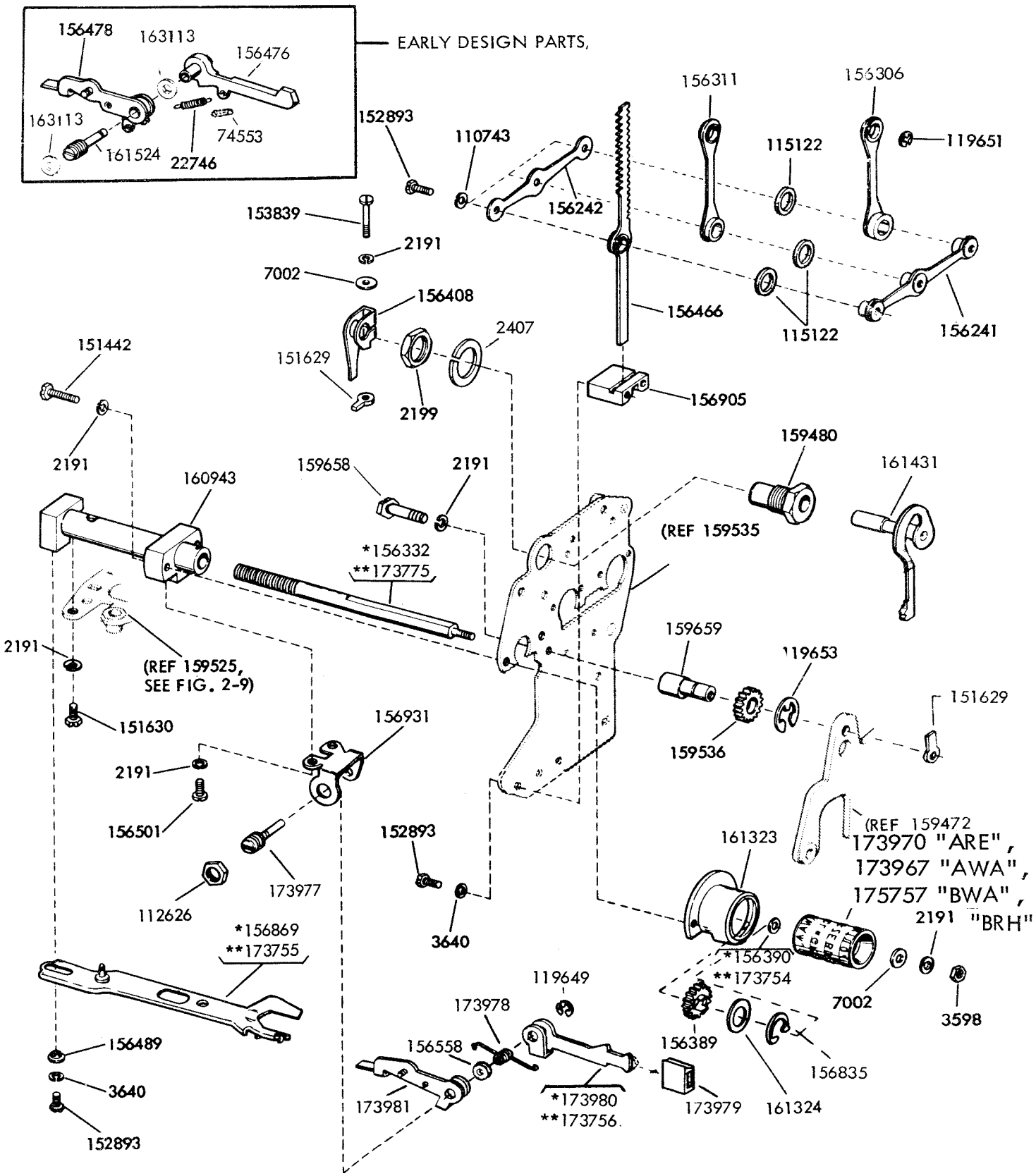
FIGURE 6-61B. PUNCH REAR PLATE MECHANISM



*Part of 173921 Modification Kit

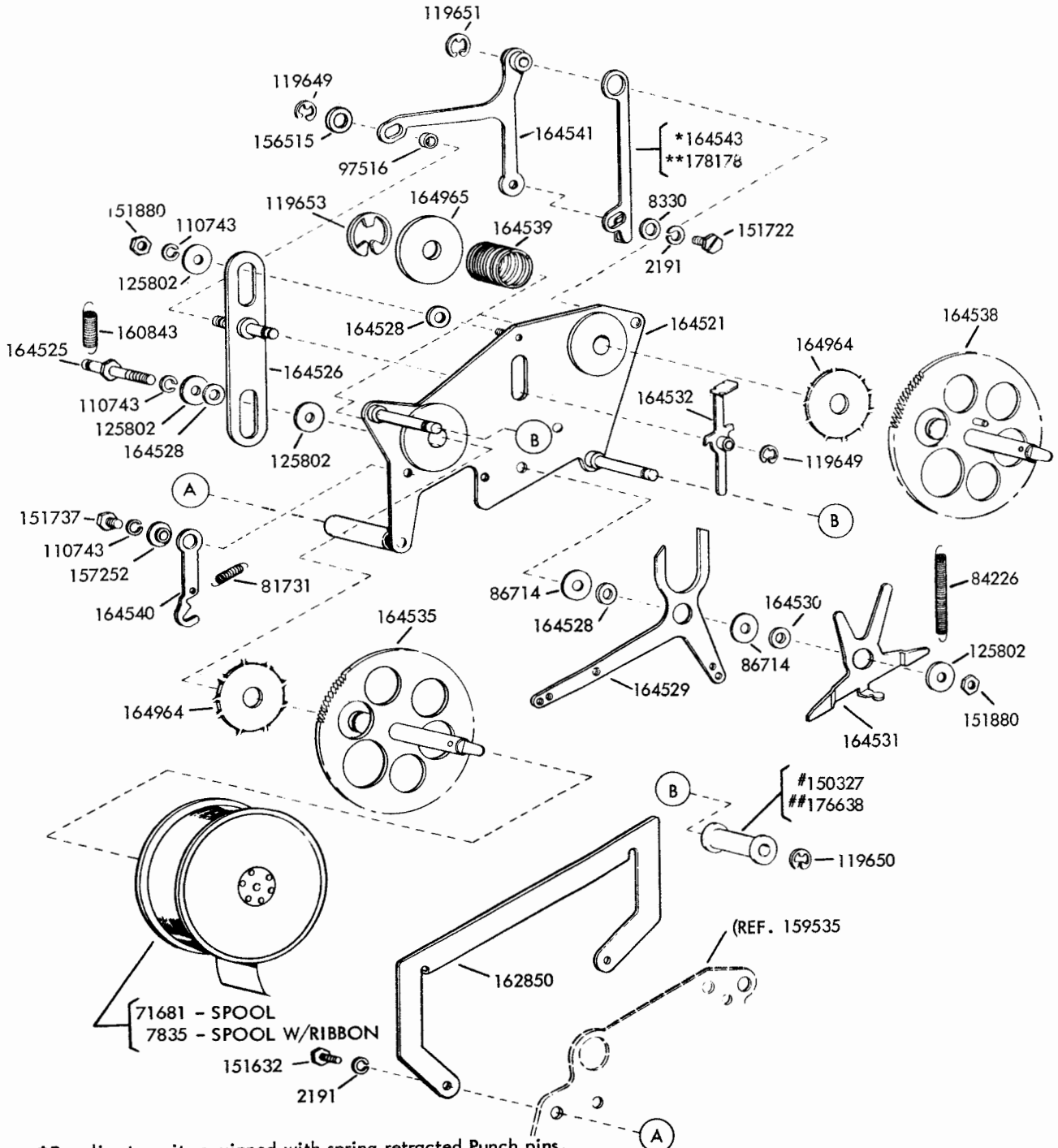
Type Of Punch	TYPING REPERFORATORS			TAPE PRINTER
	Chadless W/Retractable Bail	Fully Perforated W/Retractable Bail	Fully Perforated W/Retractable Slides	
Tape Guide Assembly	156036	156036	156036	145357
Die Wheel	156055	170788	170788	145353
Feed Wheel	156008	170779	170779	145356
Die Wheel Stud	156044	170219	170219	170219
Adjusting Screw	156090	170241	170241	170241

FIGURE 6-61C. PUNCH FRONT PLATE MECHANISM



*Peculiar To Chadless Tape (Printing on edge of tape)
**Peculiar To Fully Perforated Tape (Printing between Feed Holes)

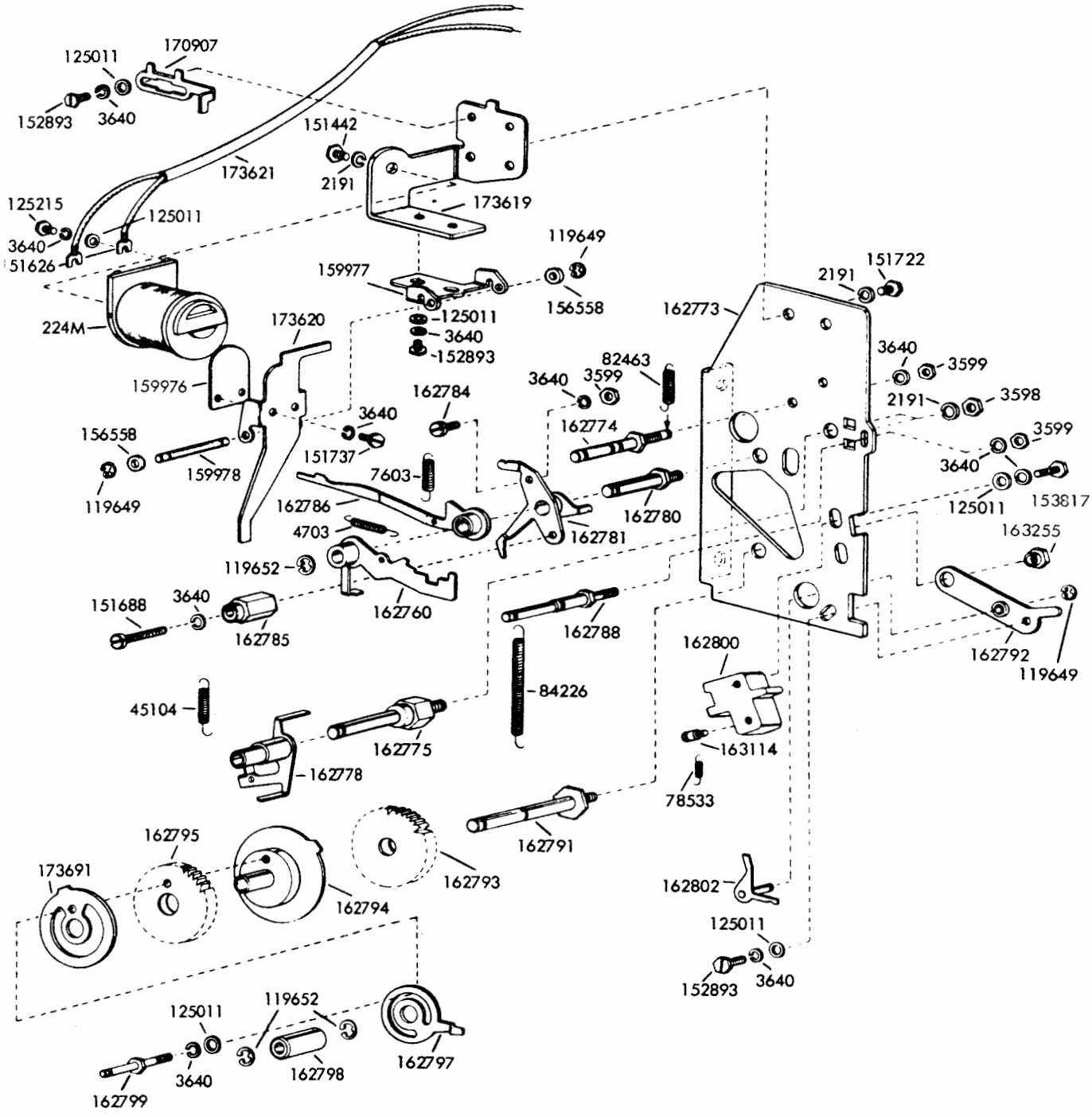
FIGURE 6-64A. ROTARY POSITIONING MECHANISM



*Peculiar to units equipped with spring retracted Punch pins.
**Peculiar to units equipped with power retracted Punch pins.
#Peculiar to units printing on edge of tape.
##Peculiar to units printing between feed holes.

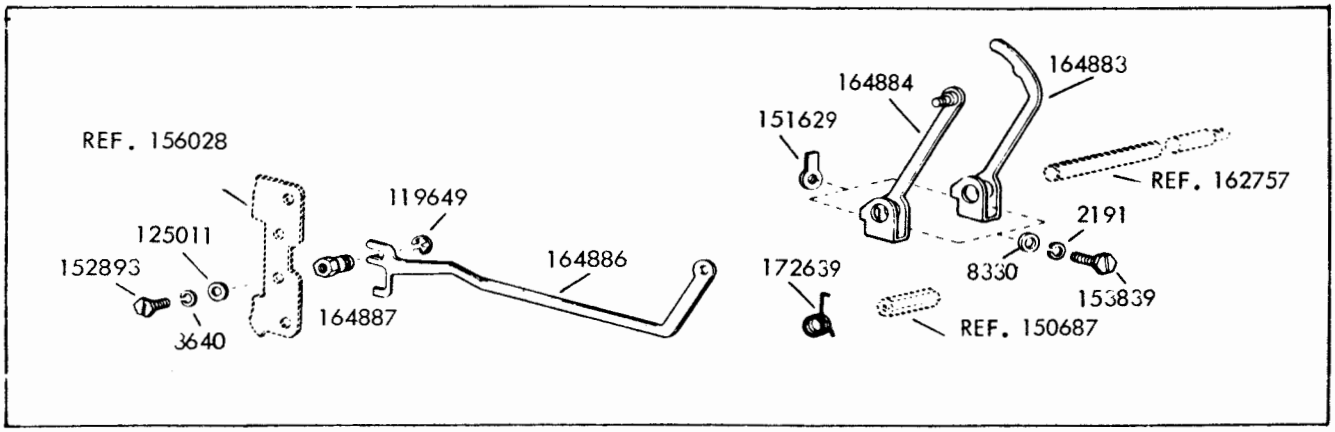
For Early Design Ribbon Feed Mechanism See Figure 6-72.

FIGURE 6-72A. RIBBON FEED MECHANISM (PRESENT DESIGN)

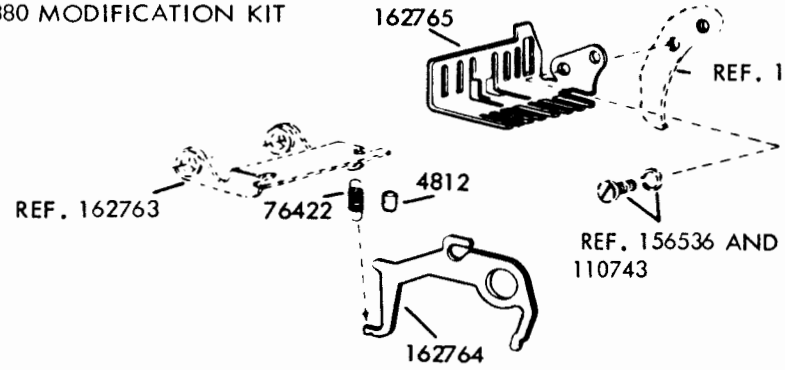


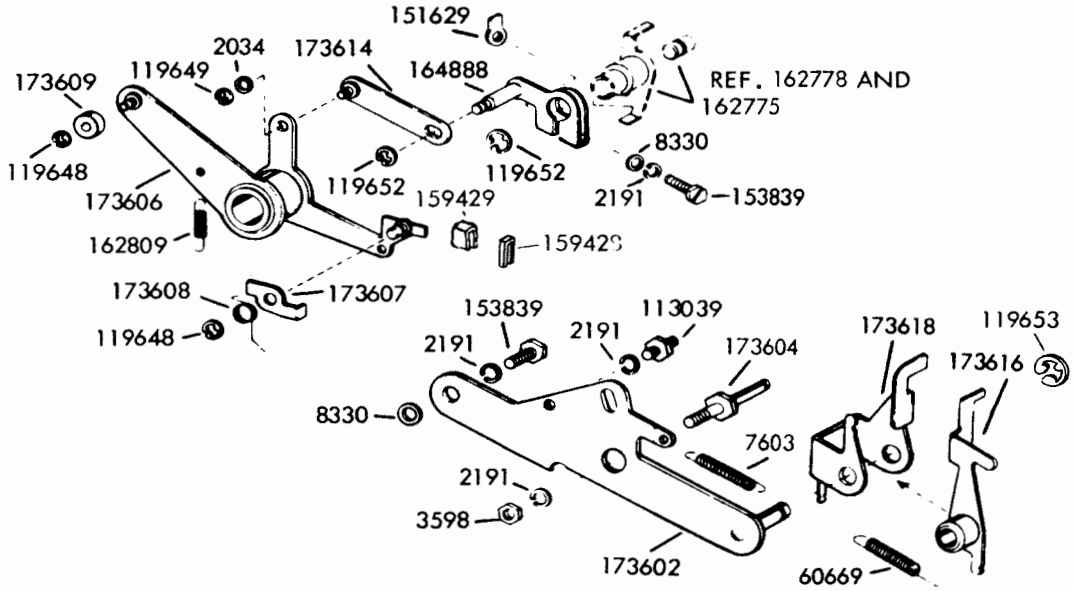
KIT 173443 COVERED IN SPECIFICATION 50043S.

FIGURE 6-73A. 162380 (BLANK) AND 173443 (LETTERS) MODIFICATION KITS TO ADD REMOTE CONTROL NON-INTERFERING TAPE FEED-OUT



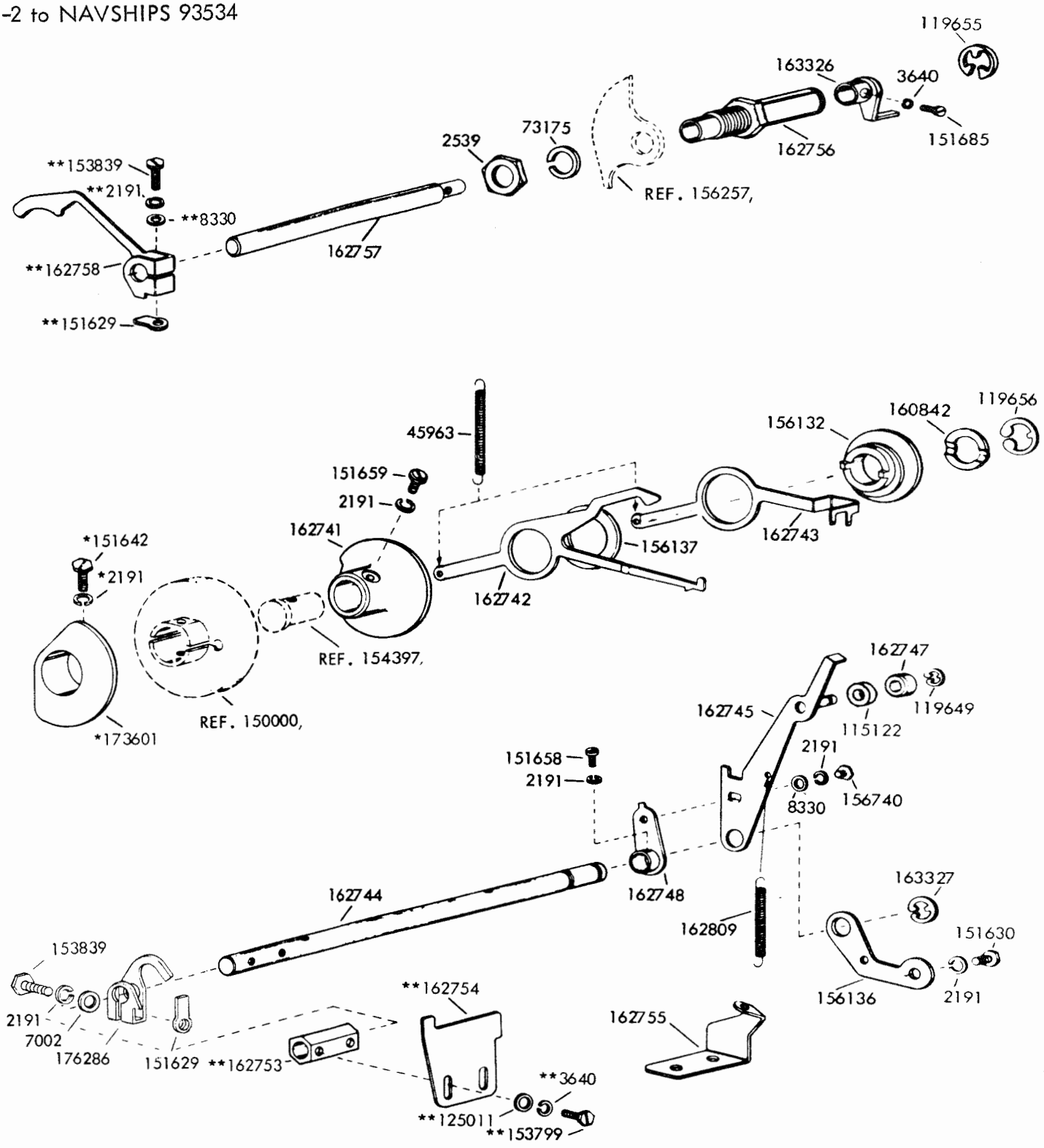
PECULIAR TO 162380 MODIFICATION KIT





KIT 173443 COVERED IN SPECIFICATION 50043S.

FIGURE 6-73B. 162380 (BLANK) AND 173443 (LETTERS) MODIFICATION KITS TO ADD REMOTE CONTROL NON-INTERFERING TAPE FEED-OUT

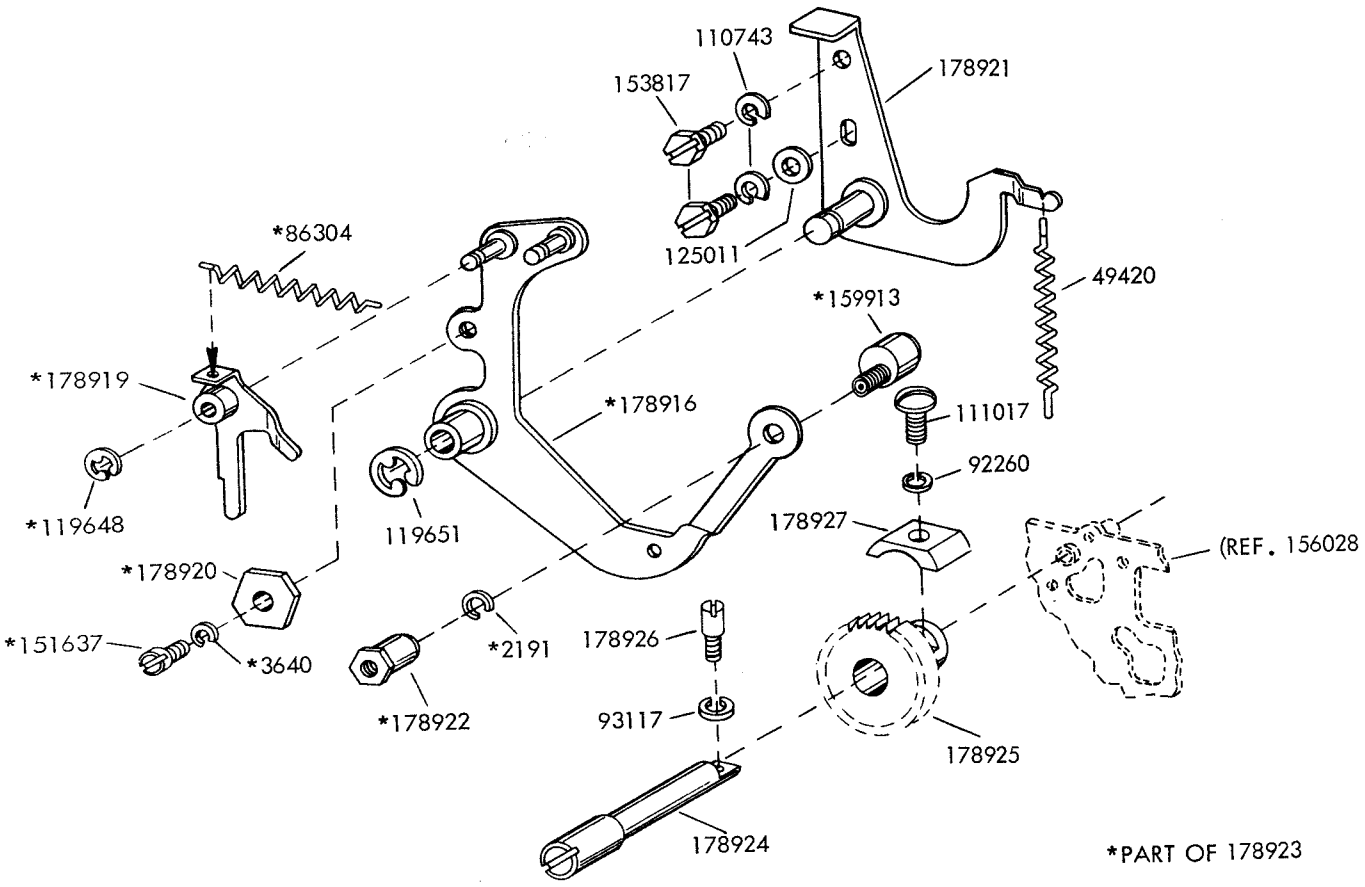


*NOT USED ON 162379 MODIFICATION KIT
**NOT USED ON 162380 MODIFICATION KIT

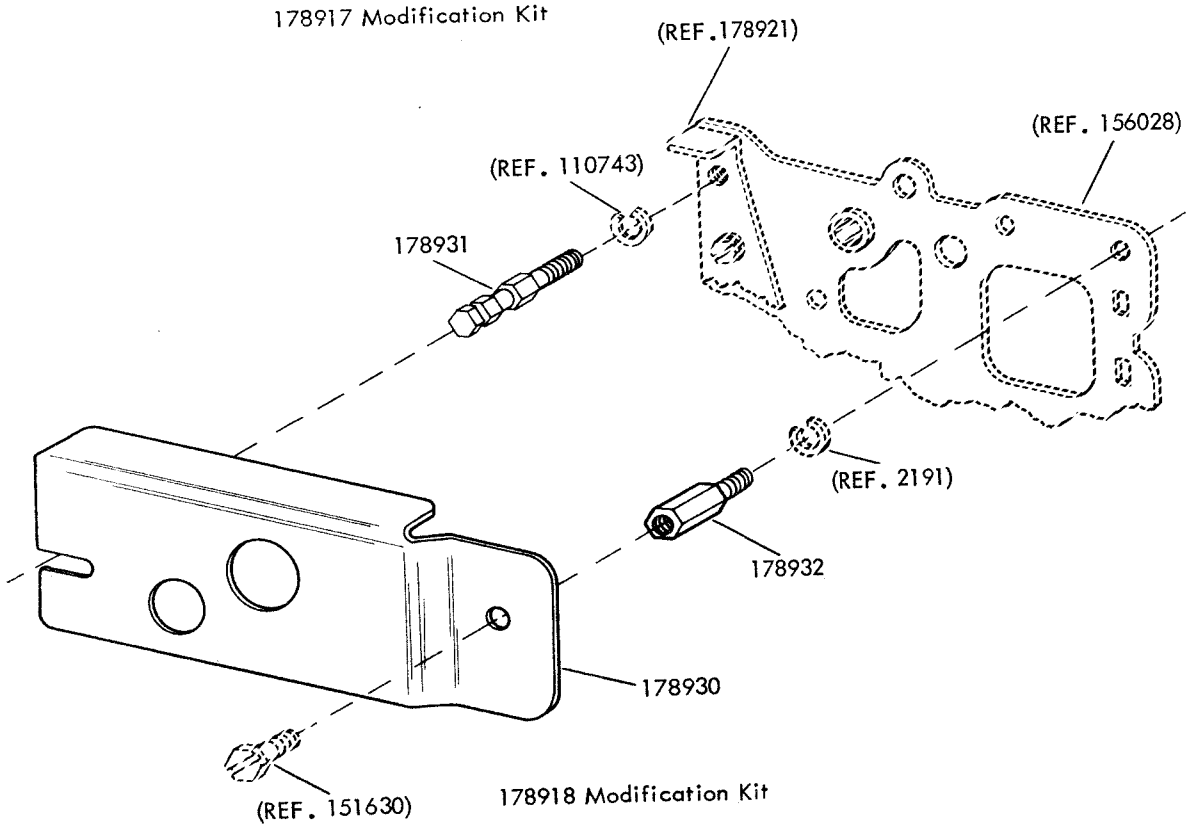
KIT 173443 COVERED IN SPECIFICATION 50043S.

KIT 162379 COVERED IN SPECIFICATION 5945S.

FIGURE 6-73C. 162379 (AUTOMATIC LETTERS), 162380 (REMOTE CONTROL BLANK) AND 173443 (REMOTE CONTROL LETTERS) MODIFICATION KITS TO ADD NON-INTERFERING TAPE FEED-OUT



178917 Modification Kit



178918 Modification Kit

FIGURE 6-77A

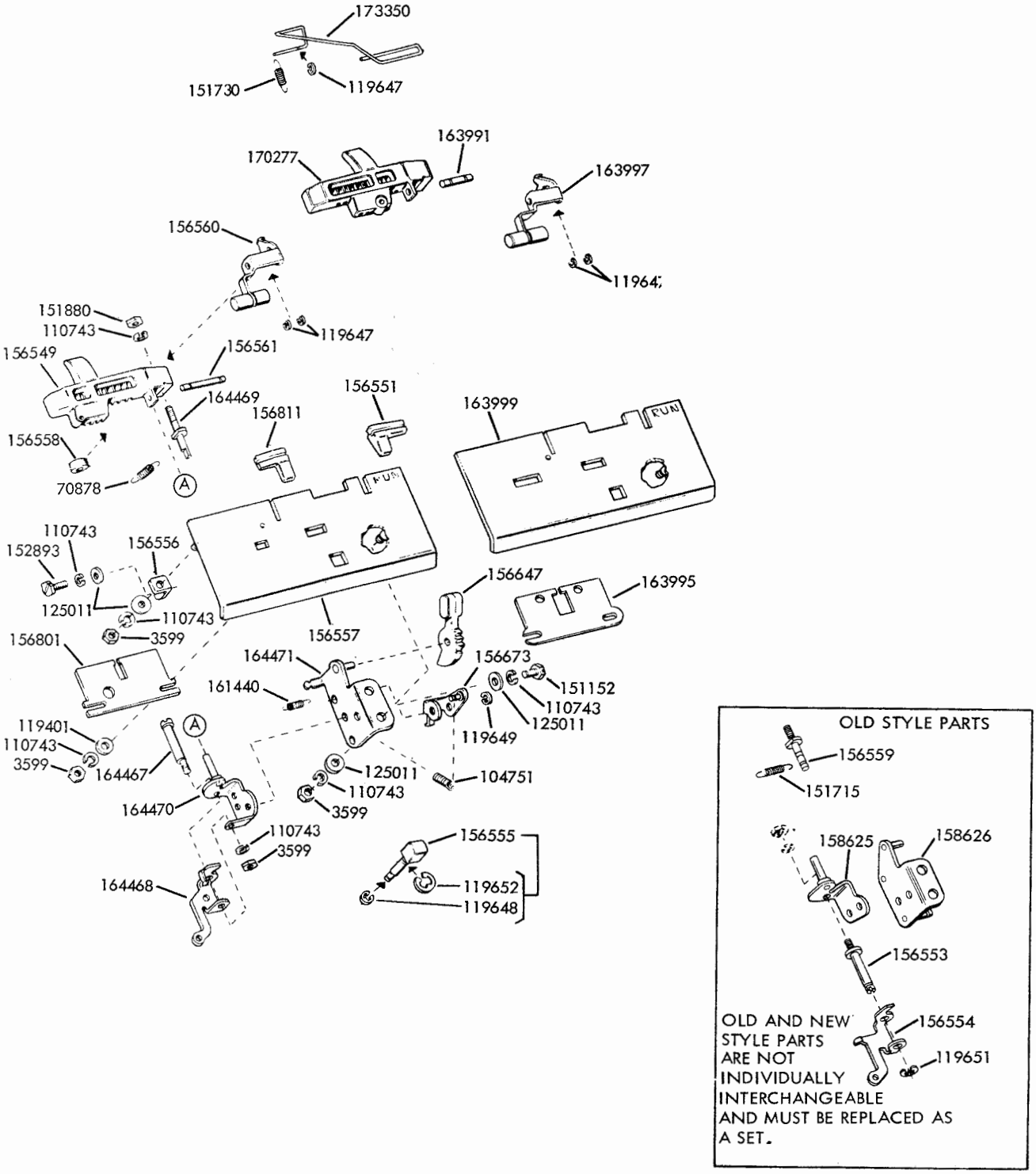


FIGURE 6-81. TAPE GUIDE PLATES

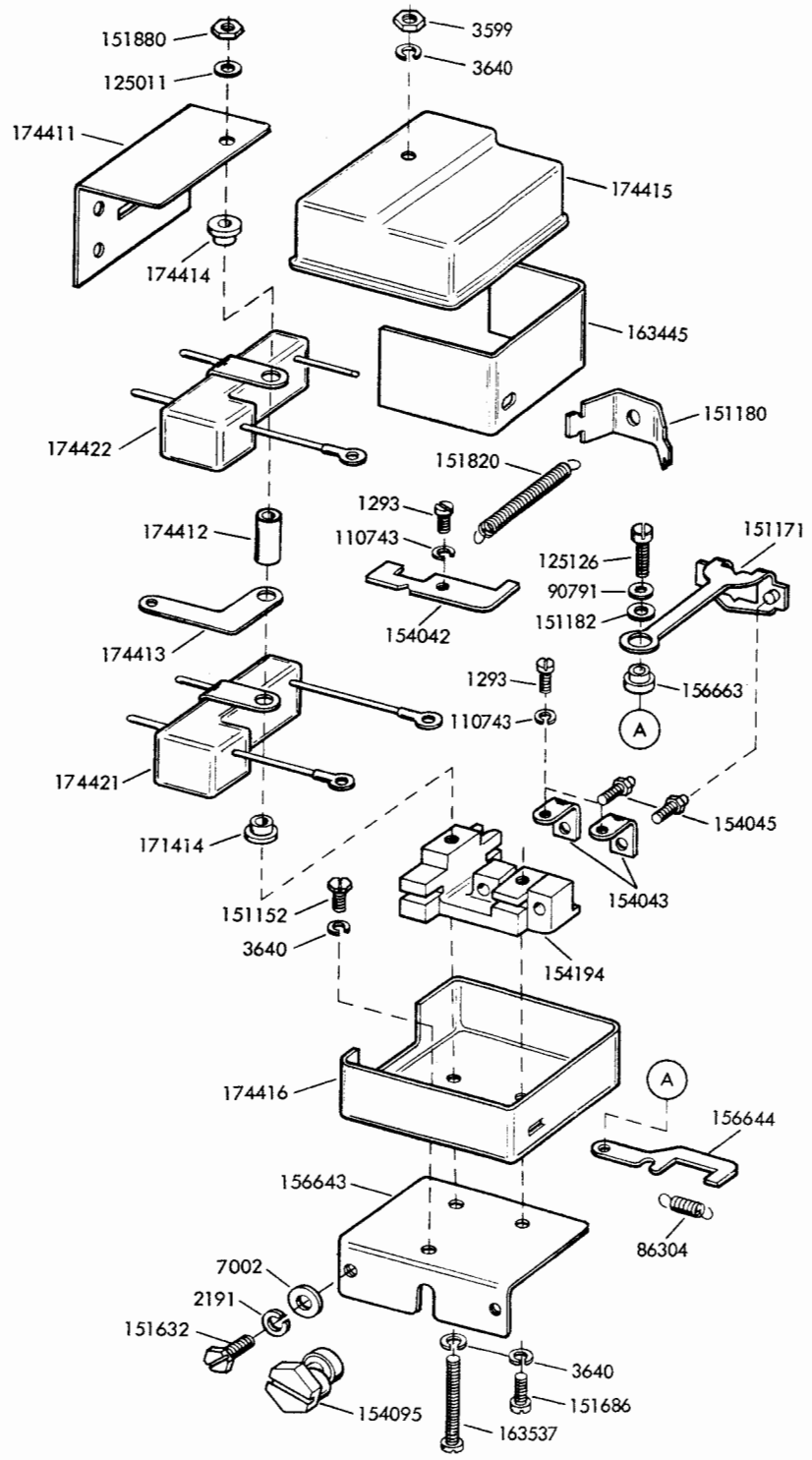
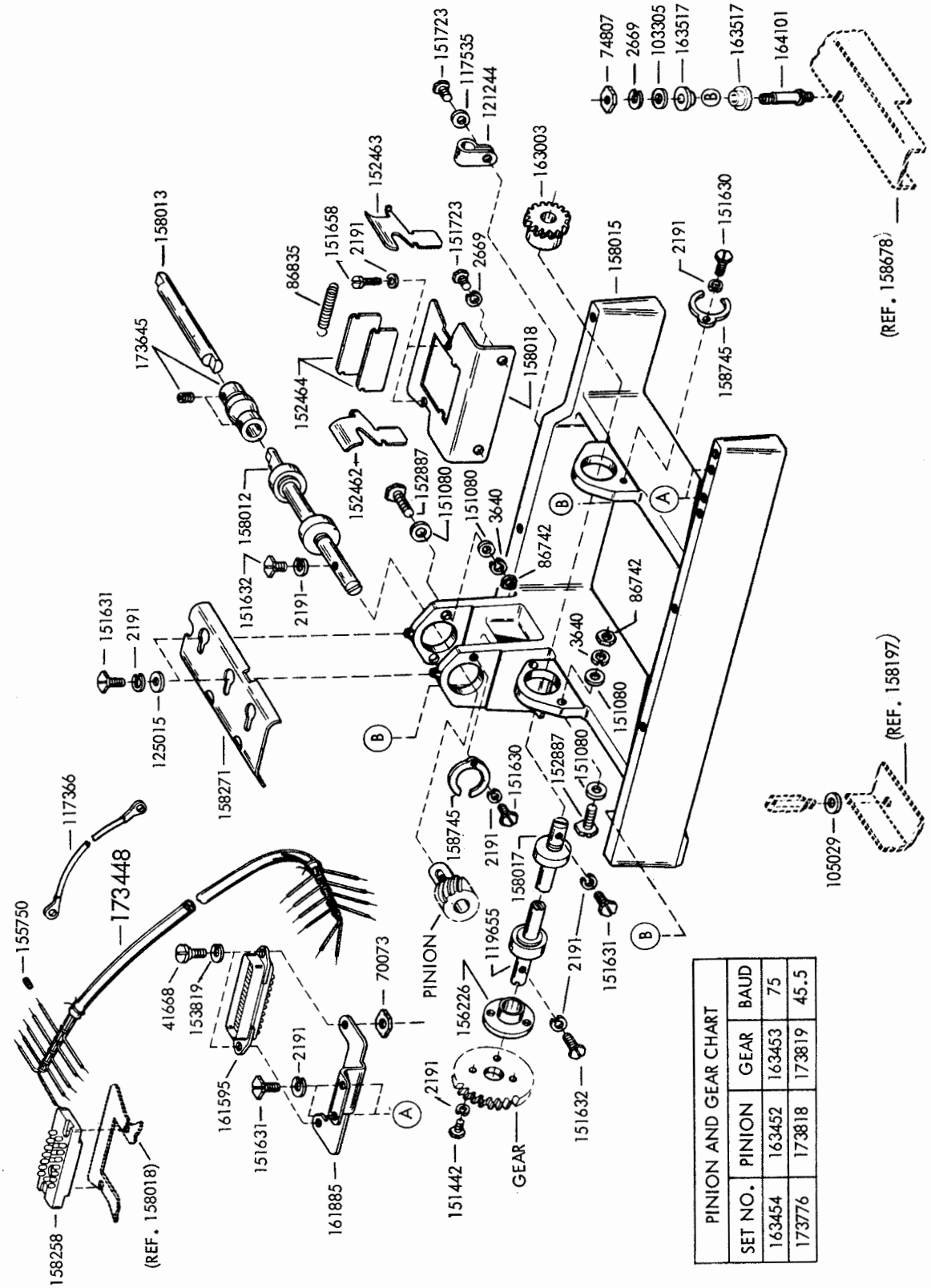


FIGURE 6-87A. 174420 CONTACT BOX ASSEMBLY WITH RF SUPPRESSION FOR POLAR OR NEUTRAL TRANSMISSION AND SHIELDED SIGNAL LEADS

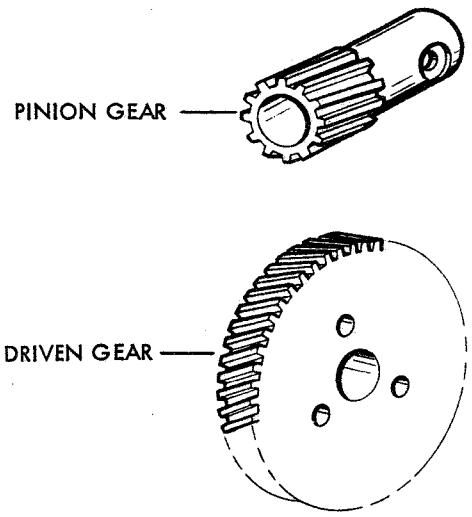


PINION AND GEAR CHART			
SET NO.	PINION	GEAR	BAUD
163454	163452	163453	75
173776	173818	173819	45.5

FIGURE 6-89A. TRANSMITTER DISTRIBUTOR BASE

NUMBERICAL INDEX - FIGURE 6-89A

Part Number	Description
2191	Washer, Lock
2669	Washer, Lock
3640	Washer, Lock
41668	Screw, Shoulder (3-48)
70073	Nut (3-48 Hex)
74807	Nut (10-32 Hex)
86742	Nut (4-40 Hex)
86835	Spring
103305	Washer, Flat
105029	Washer, Flat
117366	Jumper W/Terminals
117535	Washer, Flat
119655	Ring, Retaining
121244	Clamp, Cable (1/4" I.D.)
125015	Washer, Flat
151080	Washer, Spacing
151442	Screw (6-40 x 1/2 Hex)
151630	Screw (6-40 x 1/4 Hex)
151631	Screw (6-40 x 5/16 Hex)
151632	Screw (6-40 x 3/8 Hex)
151658	Screw (6-40 x 5/16 Fil)
151723	Screw (10-32 x 3/8 Hex)
152462	Latch, Right
152463	Latch, Left
152464	Insulator
152887	Screw (4-40 x 1/2 Hex)
153819	Washer, Lock
155750	Sleeve, Insulating
156226	Hub
158012	Shaft W/Bearings
158013	Coupling, Shaft
158015	Base
158017	Shaft W/Bearings, Main
158018	Bracket
158258	Connector, Plug
158271	Guard
158745	Plate, Clamp
161595	Connector, Receptacle
173448	Cable Assembly
161885	Bracket
163003	Gear, Helical (20T)
163517	Bushing, Rubber
164101	Stud, Shoulder
173645	Coupling



GEAR SET	DRIVEN GEAR	PINION	W.P.M.	UNIT CODE	BAUD
158027	158001(33T)	158002(11T)	100	7.42	74.2
158028	158004(47T)	158003(12T)	75	7.42	56.9
158029	158006(44T)	158005(9T)	60	7.42	45.5
159882	155997(60T)	155996(13T)	65	7.00	45.5
159883	159999(34T)	155998(12T)	106	7.00	74.2
161356	161330(49T)	161331(11T)	67	7.42	50
163454	163453(56T)	163452(20T)	106	7.00	75
173776	173819(60T)	173818(13T)	65	7.00	45.5

FIGURE 6-89B. GEAR SETS - (TRANSMITTER DISTRIBUTOR BASE)

NUMBERICAL INDEX - FIGURE 6-89B

Part Number	Description
155996	Gear, Helical (13T)
155997	Gear, Helical (60T)
155998	Gear, Helical (12T)
158001	Gear, Helical (33T)
158002	Gear, Helical (11T)
158003	Gear, Helical (12T)
158004	Gear, Helical (47T)
158005	Gear, Helical (9T)
158006	Gear, Helical (44T)
158027	Gear Set (100 WPM)
158028	Gear Set (75 WPM)
158029	Gear Set (60 WPM)
159882	Gear Set (65 WPM)
159883	Gear Set (106 WPM)
159999	Gear, Helical (34T)
161330	Gear, Helical (49T)
161331	Gear, Helical (11T)
161356	Gear Set (67 WPM)
163452	Gear, Helical (20T)
163453	Gear, Helical (56T)
163454	Gear Set (106 WPM)
173776	Gear Set (65 WPM)
173818	Gear, Helical (13T)
173819	Gear, Helical (60T)

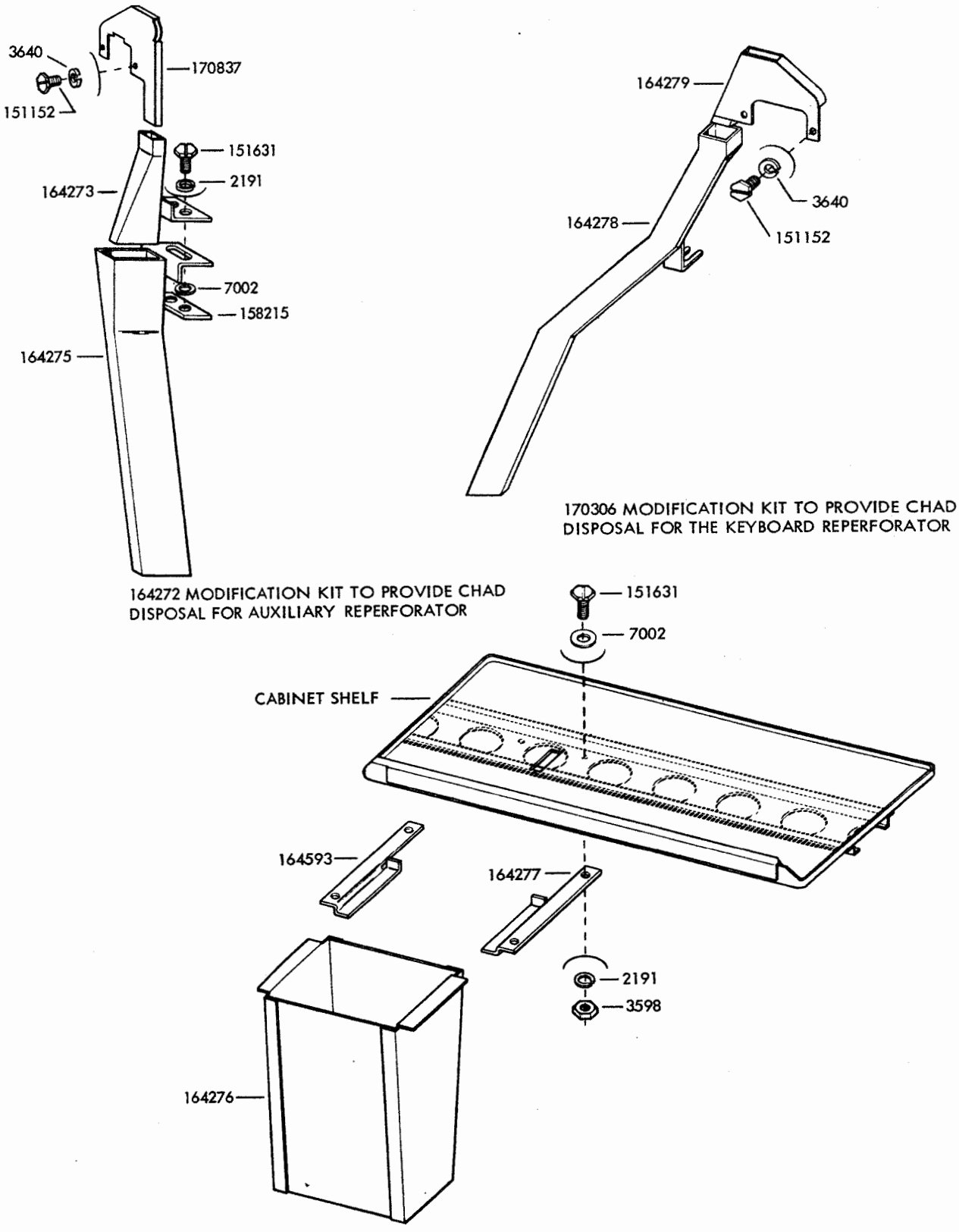
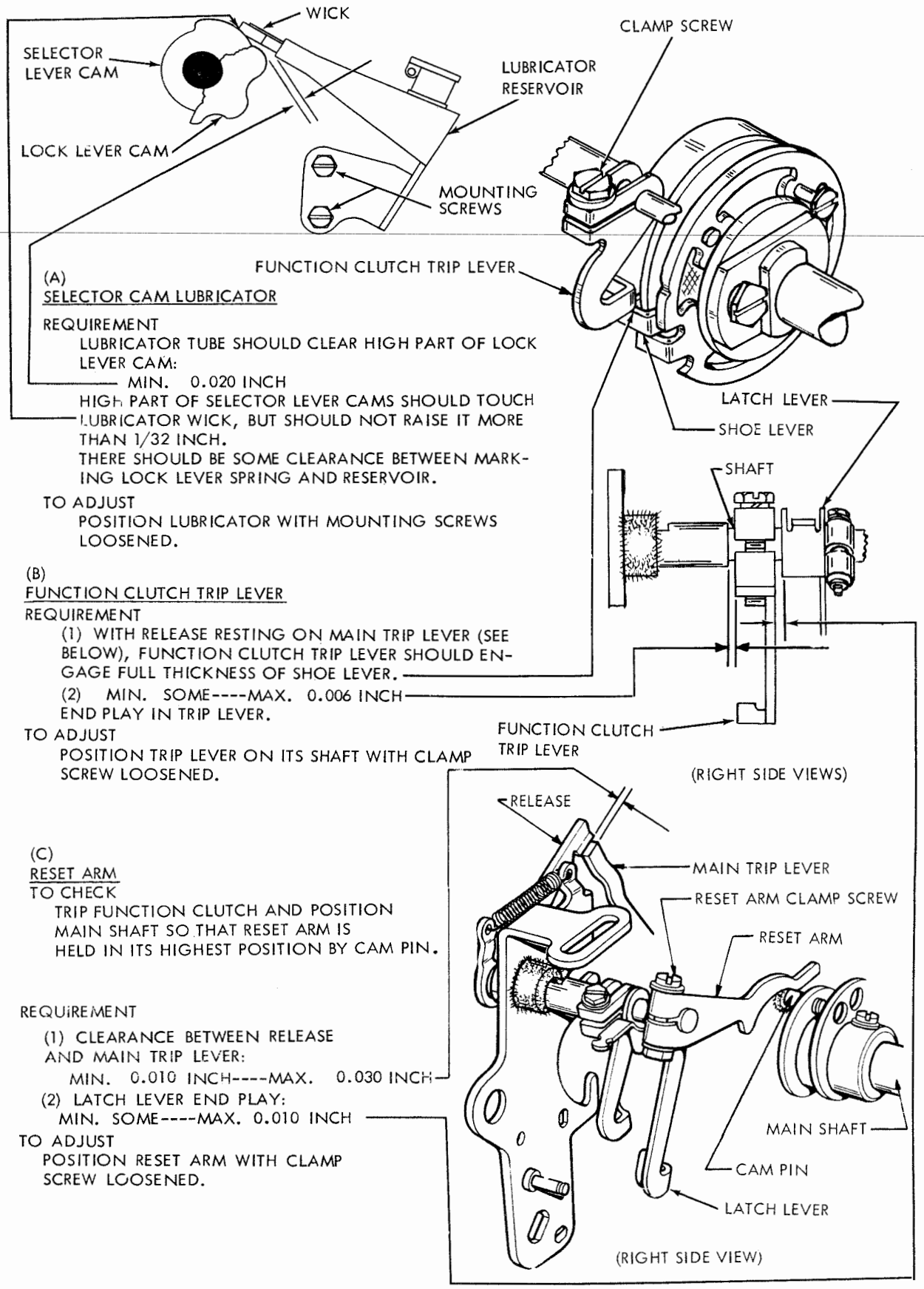


FIGURE 6-97A. PARTS SUPPLIED WITH CABINET CY-3682/UG



(A)
SELECTOR CAM LUBRICATOR

REQUIREMENT

LUBRICATOR TUBE SHOULD CLEAR HIGH PART OF LOCK LEVER CAM:
MIN. 0.020 INCH

HIGH PART OF SELECTOR LEVER CAMS SHOULD TOUCH LUBRICATOR WICK, BUT SHOULD NOT RAISE IT MORE THAN 1/32 INCH.

THERE SHOULD BE SOME CLEARANCE BETWEEN MARKING LOCK LEVER SPRING AND RESERVOIR.

TO ADJUST

POSITION LUBRICATOR WITH MOUNTING SCREWS LOOSENED.

(B)
FUNCTION CLUTCH TRIP LEVER

REQUIREMENT

(1) WITH RELEASE RESTING ON MAIN TRIP LEVER (SEE BELOW), FUNCTION CLUTCH TRIP LEVER SHOULD ENGAGE FULL THICKNESS OF SHOE LEVER.

(2) MIN. SOME----MAX. 0.006 INCH END PLAY IN TRIP LEVER.

TO ADJUST

POSITION TRIP LEVER ON ITS SHAFT WITH CLAMP SCREW LOOSENED.

(C)
RESET ARM

TO CHECK

TRIP FUNCTION CLUTCH AND POSITION MAIN SHAFT SO THAT RESET ARM IS HELD IN ITS HIGHEST POSITION BY CAM PIN.

REQUIREMENT

(1) CLEARANCE BETWEEN RELEASE AND MAIN TRIP LEVER:
MIN. 0.010 INCH----MAX. 0.030 INCH

(2) LATCH LEVER END PLAY:
MIN. SOME----MAX. 0.010 INCH

TO ADJUST

POSITION RESET ARM WITH CLAMP SCREW LOOSENED.

FIGURE 6-180A. TYPING REPERFORATOR, SELECTING AND FUNCTION MECHANISMS

NOTE: THE ADJUSTMENTS ON THIS PAGE APPLY ONLY TO FULLY PERFORATED TAPE MECHANISM.

(C)

PUNCH SLIDE DOWNSTOP POSITION

REQUIREMENT

FUNCTION CLUTCH DISENGAGED AND LATCHED PLAY IN THE PUNCH SLIDES TAKEN UP TOWARD THE TOP, CLEARANCE BETWEEN EACH PUNCH SLIDE AND THE DOWNSTOP PLATE

MIN. SOME

MAX. 0.008 INCH

TO ADJUST

POSITION DOWNSTOP PLATE WITH IT MOUNTING LOCK NUTS LOOSENED.

(B)

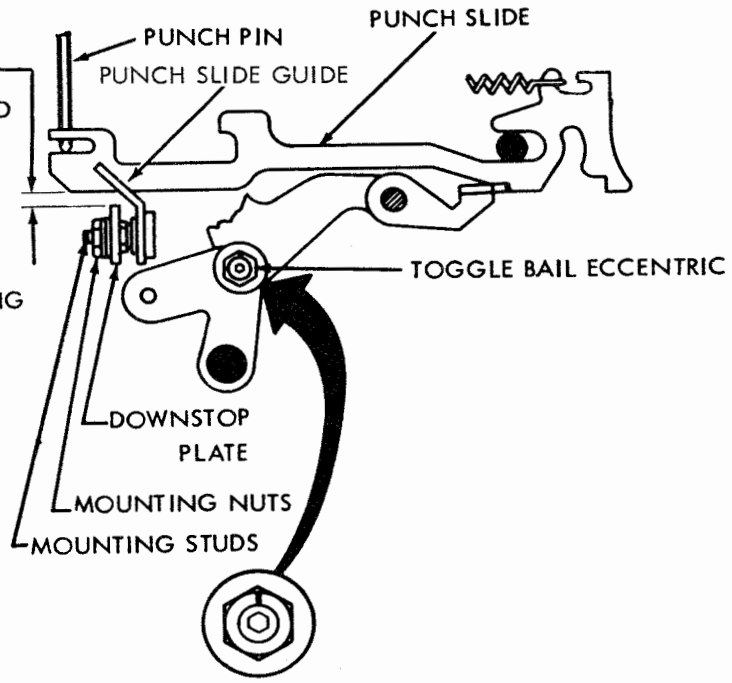
PUNCH SLIDE GUIDE

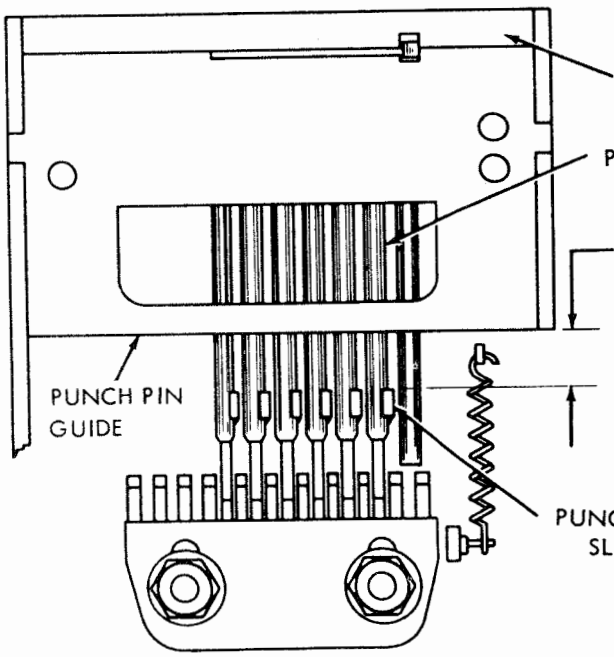
REQUIREMENT

THE PUNCH SLIDES SHOULD ALIGN WITH THEIR CORRESPONDING PUNCH PINS AND BE FREE OF BINDS AFTER TIGHTENING THE GUIDE MOUNTING STUDS. EACH PUNCH SLIDE SHOULD RETURN FREELY AFTER BEING PUSHED IN NOT MORE THAN 1/16 INCH.

TO ADJUST

POSITION THE GUIDE WITH ITS MOUNTING STUDS FRICTION TIGHT.





(A) PUNCH PIN PENETRATION

REQUIREMENT

WITH LETTERS SELECTED. FUNCTION CLUTCH ENGAGED AND ROTATED UNTIL PUNCH PINS HAVE TRAVELED MAXIMUM DISTANCE INTO THE DIE PLATE. CLEARANCE BETWEEN UPPER EDGE OF EACH SLIDE AND LOWER SIDE OF PUNCH HOLDER:

MIN. 0.025 INCH

MAX. 0.035 INCH

TO ADJUST

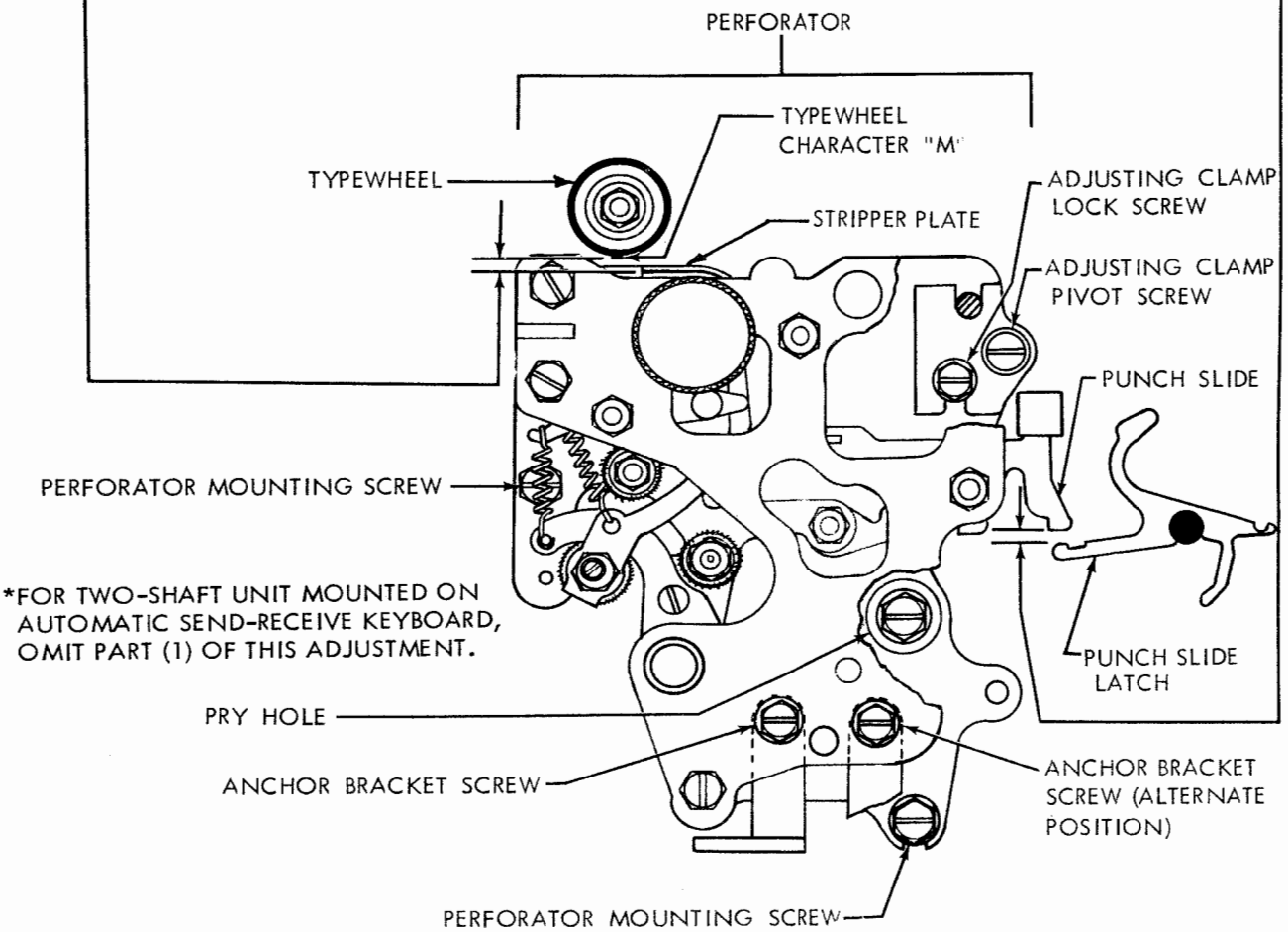
ROTATE THE TOGGLE BAIL ECCENTRIC SHAFT WITH ITS LOCK NUT FRICTION TIGHT. KEEP INDENTATION IN THE ECCENTRIC SHAFT TO THE LEFT OF A VERTICAL CENTER LINE THROUGH THE SHAFT.

FIGURE 6-183A. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PUNCH MECHANISM FOR FULLY PERFORATED TAPE

PERFORATOR POSITION----FINAL

(1) TO CHECK *
SELECT LETTERS CODE COMBINATION (12345). ROTATE MAIN SHAFT UNTIL FUNCTION CLUTCH TRIPS.
REQUIREMENT
CLEARANCE BETWEEN PUNCH SLIDE AND PUNCH SLIDE LATCH:
MIN. 0.020 INCH----MAX. 0.030 INCH
AT SLIDE WHERE CLEARANCE IS LEAST.
TO ADJUST
LOOSEN PERFORATOR MOUNTING SCREWS, ADJUSTING CLAMP LOCK SCREW, ADJUSTING CLAMP PIVOT SCREW AND ANCHOR BRACKET SCREW UNTIL FRICTION TIGHT. PLACE TIP OF SCREW DRIVER BETWEEN SCREW AND RIM OF PRY HOLE AND PRY PERFORATOR UP OR DOWN. TIGHTEN ONLY ADJUSTING CLAMP LOCK SCREW.

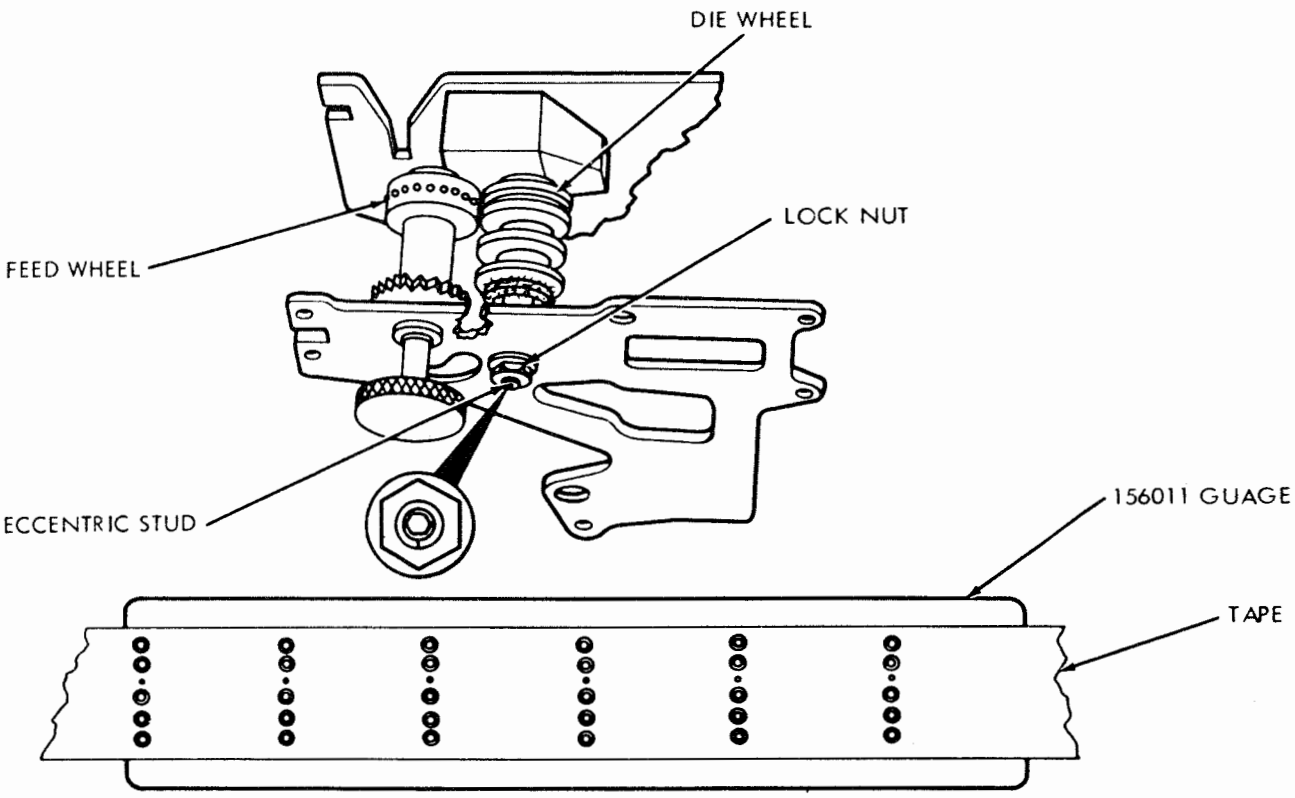
(2) TO CHECK
SELECT "V" CODE COMBINATION (-2345). TRIP FUNCTION CLUTCH AND MOVE ROCKER BAIL TO EXTREME LEFT.
REQUIREMENT
CLEARANCE BETWEEN STRIPPER PLATE AND TYPEWHEEL CHARACTER "M":
MIN. 0.060 INCH---MAX. 0.075 INCH
TO ADJUST
REMOVE RIBBON FROM CARRIER (FIGURE 1-46). POSITION PERFORATOR WITH TWO MOUNTING SCREWS, ADJUSTING CLAMP PIVOT SCREW AND ANCHOR BRACKET SCREW LOOSENED. CHECK RESET BAIL TRIP LEVER REQUIREMENT (FIGURE 1-17) FOR SOME CLEARANCE AND ADJUST IF NECESSARY.



*FOR TWO-SHAFT UNIT MOUNTED ON AUTOMATIC SEND-RECEIVE KEYBOARD, OMIT PART (1) OF THIS ADJUSTMENT.

FIGURE 6-183B. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PERFORATOR MECHANISM

NOTE
THE ADJUSTMENTS ON THIS PAGE APPLY ONLY TO FULLY PERFORATED TAPE MECHANISM.



NOTE
BEFORE PROCEEDING WITH THE FOLLOWING ADJUSTMENT CHECK BOTH TAPE GUIDE SPRING TENSIONS (FIGURE 1-26).

FEED HOLE SPACING

(1) REQUIREMENT

WITH A PIECE OF TAPE PERFORATED WITH SIX SERIES OF 9 BLANK CODE COMBINATIONS FOLLOWED BY A LETTERS COMBINATION PLACED OVER THE SMOOTH SIDE OF THE 156011 TAPE GAUGE SO THAT THE CIRCULAR PORTION OF THE FIRST NUMBER 2 CODE HOLE IN THE TAPE IS CONCENTRIC WITH THE FIRST HOLE OF THE TAPE GAUGE, THE NEXT FOUR HOLES IN THE TAPE GAUGE SHOULD BE VISIBLE THROUGH THE NUMBER 2 CODE HOLES IN THE TAPE AND THE CIRCULAR PORTION OF THE LAST (SIXTH) NUMBER 2 CODE HOLE IN THE TAPE SHALL BE ENTIRELY WITHIN THE 0.086 DIAMETER HOLE OF THE TAPE GAUGE.

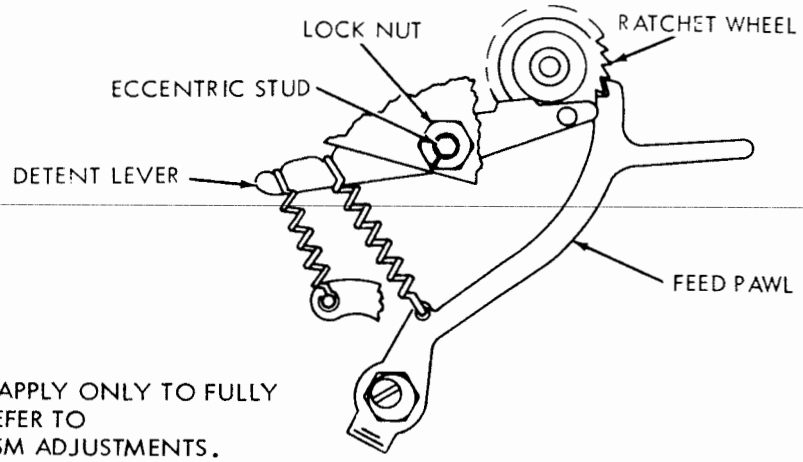
(2) REQUIREMENT

WITH TAPE SHOE HELD AWAY FROM FEED WHEEL, FEED PAWL AND DETENT DISENGAGED AND TAPE REMOVED, FEED WHEEL SHOULD ROTATE FREELY.

TO ADJUST

WITH TAPE REMOVED FROM THE PUNCH MECHANISM, LOOSEN THE ECCENTRIC LOCK NUT AND ROTATE THE DIE WHEEL ECCENTRIC SHAFT UNTIL IT BINDS AGAINST THE FEED WHEEL. BACK OFF THE ECCENTRIC UNTIL THE DIE WHEEL IS JUST FREE. KEEP THE INDENT OF THE ECCENTRIC BELOW THE HORIZONTAL CENTERLINE OF THE STUD. REFINE ADJUSTMENT FOR REQUIREMENT (1), IF NECESSARY, BY MOVING THE DIE WHEEL TOWARD THE FEED WHEEL TO DECREASE THE CHARACTER SPACING AND AWAY FROM THE FEED WHEEL TO INCREASE THE CHARACTER SPACING.

FIGURE 6-185A. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PERFORATOR MECHANISM FOR FULLY PERFORATED TAPE



NOTE
THE ADJUSTMENTS ON THIS PAGE APPLY ONLY TO FULLY PERFORATED TAPE MECHANISM. REFER TO SIMILAR CHADLESS TAPE MECHANISM ADJUSTMENTS.

FEED HOLE LATERAL ALIGNMENT (DETENT)

(1) REQUIREMENT

WHEN A PIECE OF TAPE IS PERFORATED WITH A SERIES OF BLANK CODE COMBINATIONS THE INDENTATIONS OF THE FEED WHEEL SHALL BE FULLY PUNCHED OUT.

TO ADJUST

RIGHT OR LEFT, ROTATE THE DETENT LEVER ECCENTRIC STUD CLOCKWISE TO MOVE THE FEED WHEEL PERFORATION TOWARDS THE LEADING EDGE OF THE CODE HOLES, AND COUNTERCLOCKWISE TO MOVE THE FEED WHEEL PERFORATIONS TOWARD THE TRAILING EDGE OF THE CODE HOLES. REFINE THE FEED PAWL ADJUSTMENT.

FRONT TO REAR, LOOSEN THE LOCK NUT ON THE ADJUSTING SCREW AND TURN THE SCREW CLOCKWISE TO MOVE TAPE TOWARD REFERENCE EDGE (REAR), AND COUNTERCLOCKWISE TO MOVE THE TAPE AWAY FROM REFERENCE EDGE (FRONT).

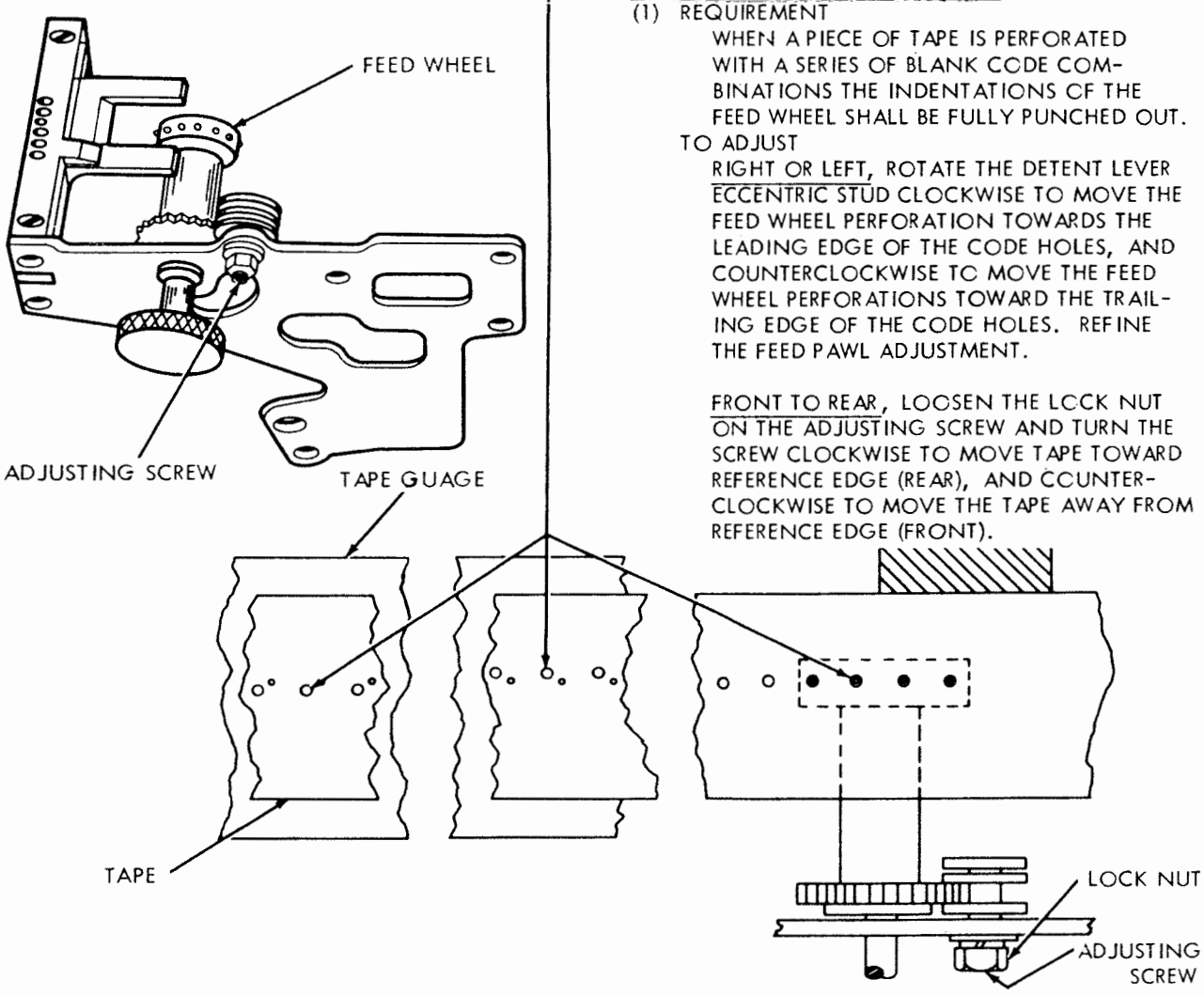
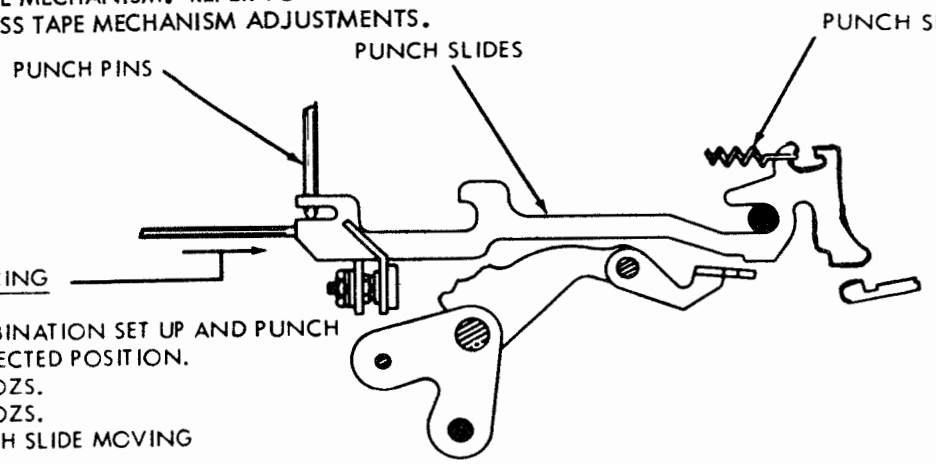
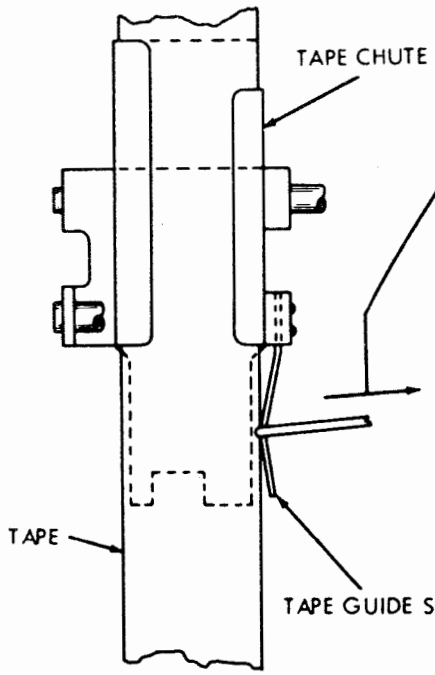


FIGURE 6-185B. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PERFORATOR MECHANISM FOR FULLY PERFORATED TAPE

NOTE
THE ADJUSTMENTS ON THIS PAGE APPLY ONLY TO FULLY PERFORATED TAPE MECHANISM. REFER TO SIMILAR CHADLESS TAPE MECHANISM ADJUSTMENTS.

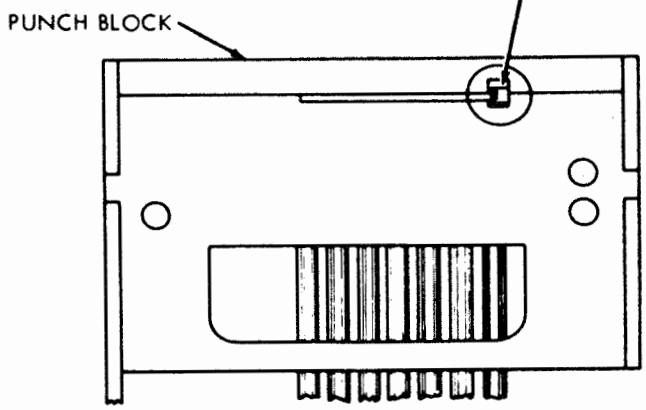


PUNCH SLIDE SPRING
REQUIREMENT
LETTERS COMBINATION SET UP AND PUNCH SLIDES IN SELECTED POSITION.
MIN. 2-1/4 OZS.
MAX. 3-1/4 OZS.
TO START EACH SLIDE MOVING



TAPE GUIDE SPRING (TAPE CHUTE)
REQUIREMENT
CLUTCH DISENGAGED AND TAPE THREADED THROUGH THE PUNCH ASSEMBLY, IT SHOULD REQUIRE
MIN. 1/2 OZ.
MAX. 1 OZ.
TO JUST MOVE THE SPRING AWAY FROM THE TAPE.
TO ADJUST
BEND THE SPRING

TAPE GUIDE SPRING (PUNCH BLOCK)
(1) REQUIREMENT
WITH TAPE REMOVED FROM THE PUNCH BLOCK THE TAPE GUIDE SPRING SHOULD REST AGAINST THE CLEARANCE SLOT IN THE BLOCK IN A SYMETRICAL MANNER.
(2) REQUIREMENT
WITH TAPE IN THE PUNCH BLOCK AND THE REPERFORATOR OPERATING UNDER POWER, THE SPRING SHOULD NOT DISTORT THE EDGE OF THE TAPE.
TO ADJUST
BEND THE SPRING AND POSITION IT WITH ITS MOUNTING SCREW LOOSENED.



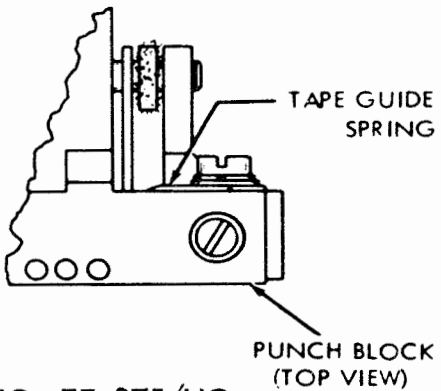


FIGURE 6-185C. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PERFORATOR MECHANISM FOR FULLY PERFORATED TAPE

NOTE
THE ADJUSTMENTS ON THIS PAGE ARE FOR FULLY PERFORATED TAPE. REFER TO CHADLESS TAPE ADJUSTMENTS.

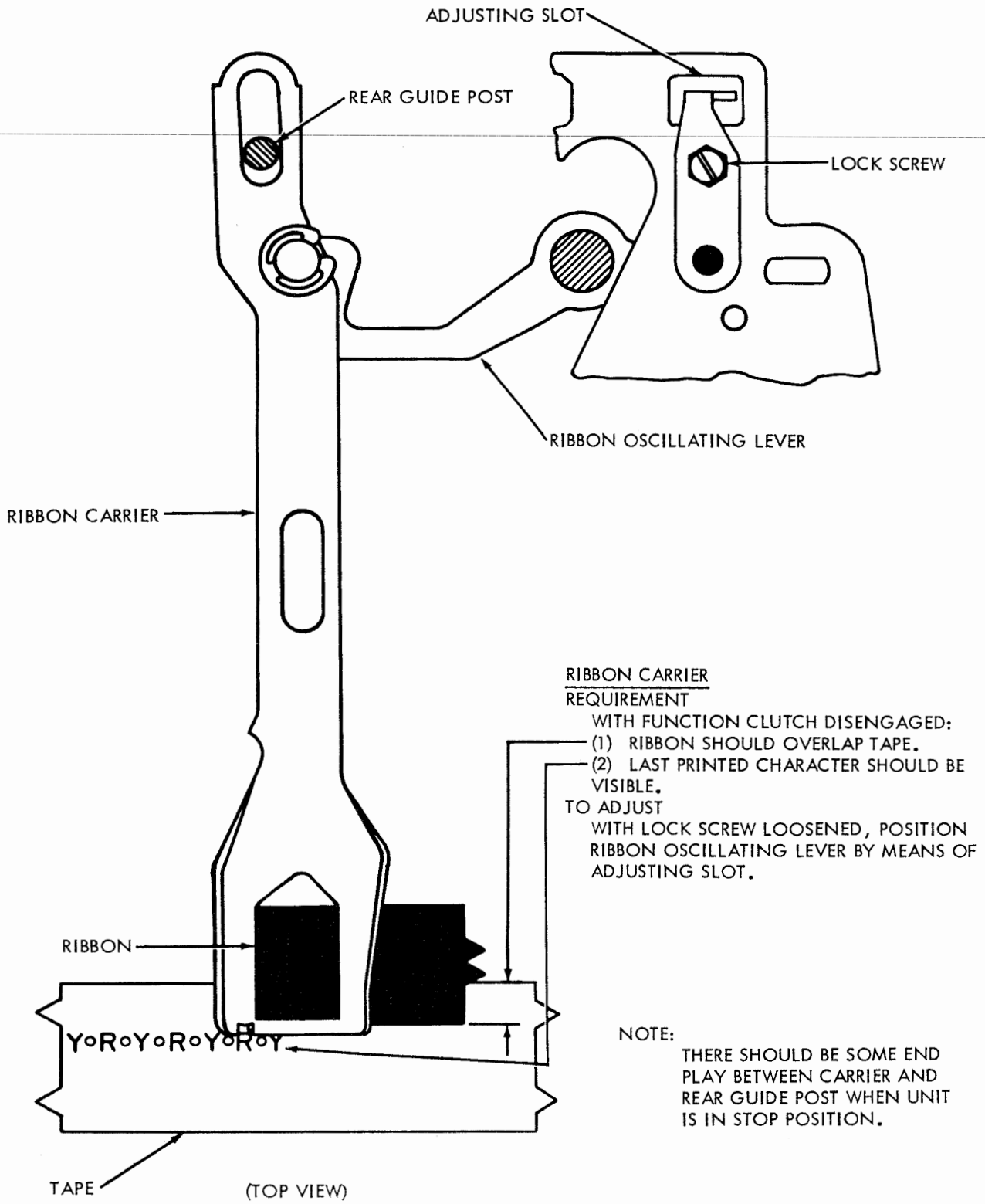


FIGURE 6-215A. TYPING REPERFORATOR TT-373/UG, TT-375/UG, RIBBON OSCILLATING MECHANISM FOR FULLY PERFORATED TAPE

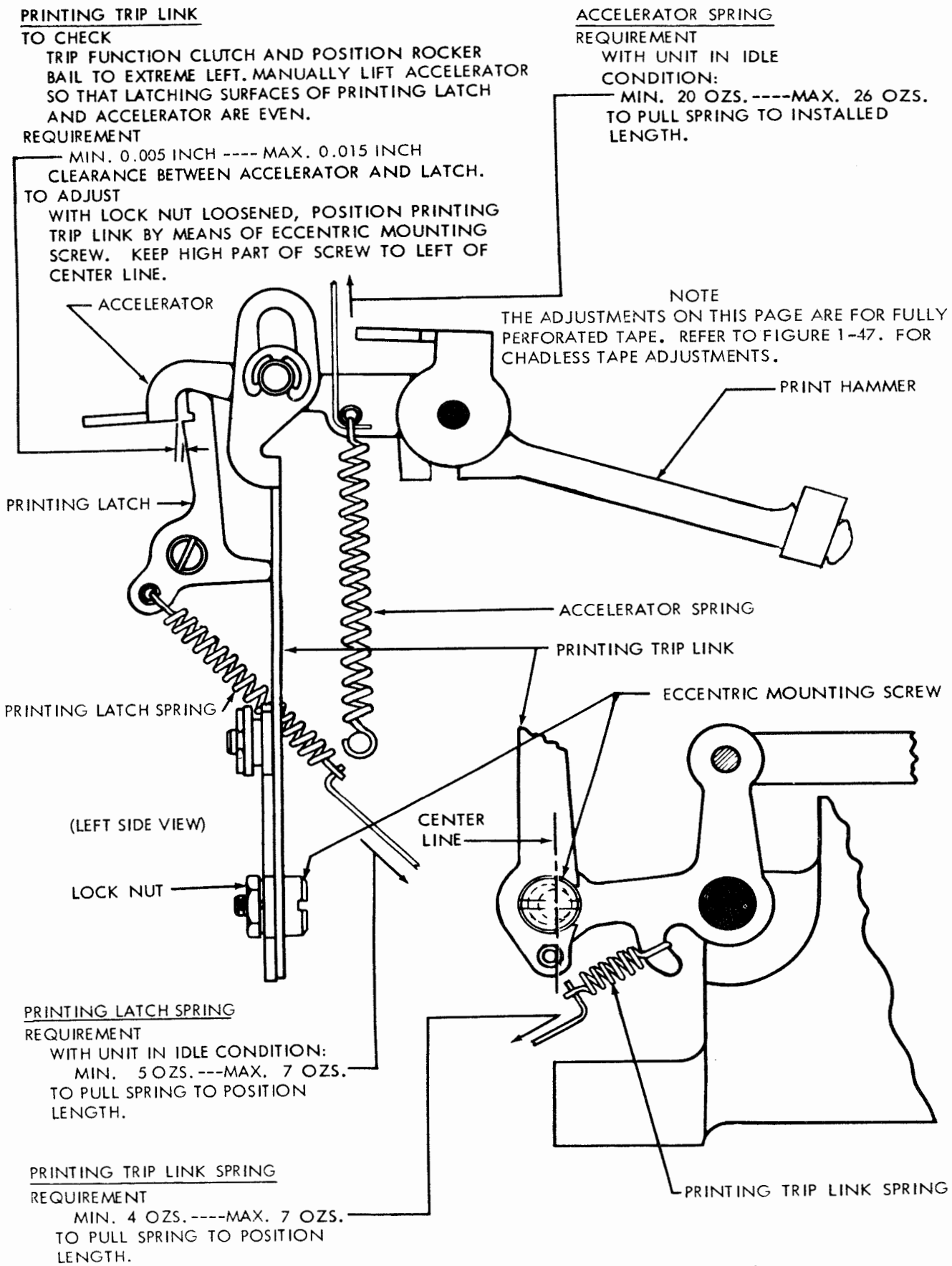
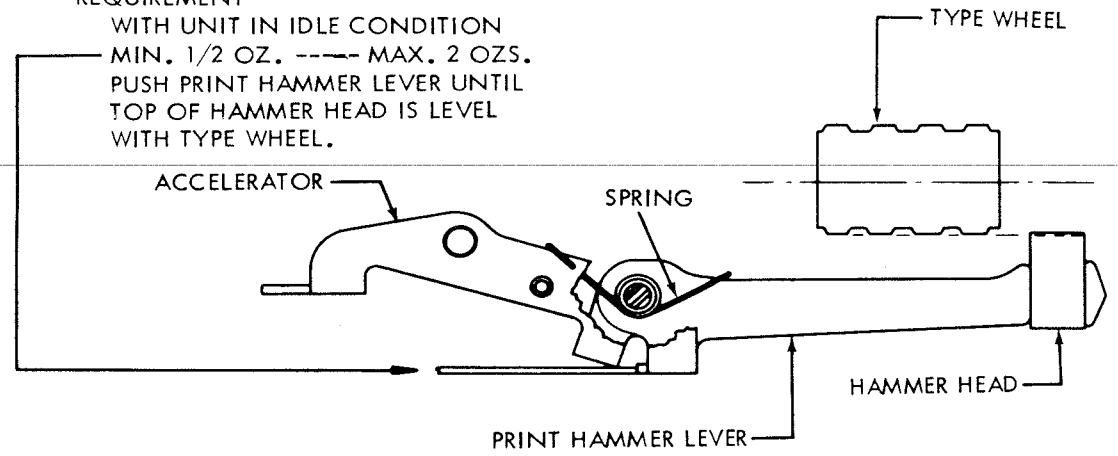
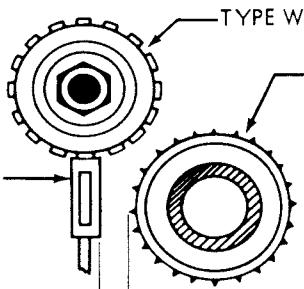


FIGURE 6-215B. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PRINTING MECHANISM FOR FULLY PERFORATED TAPE

NOTE
THE ADJUSTMENTS ON THIS PAGE ARE FOR FULLY PERFORATED TAPE. REFER TO . . . . CHADLESS TAPE ADJUSTMENTS.

PRINT HAMMER SPRING
REQUIREMENT
WITH UNIT IN IDLE CONDITION
MIN. 1/2 OZ. ---- MAX. 2 OZS.
PUSH PRINT HAMMER LEVER UNTIL TOP OF HAMMER HEAD IS LEVEL WITH TYPE WHEEL.

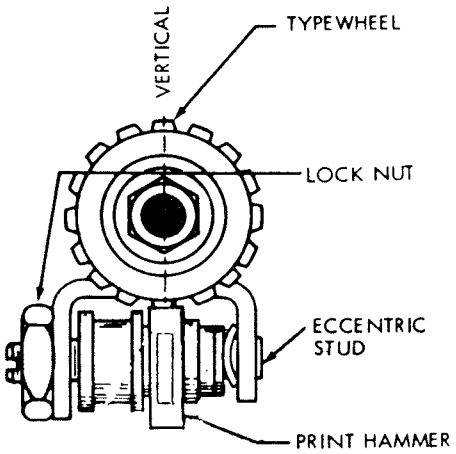




PRINTING BETWEEN PERFORATED FEED HOLES
REQUIREMENT
CLEAR PRINTING BETWEEN PERFORATED FEED HOLES.
MIN. 0.030 INCH --- MAX. 0.040 INCH FROM PIN POINT OF FEED WHEEL TO SIDE OF PRINT HAMMER.

TO ADJUST
POSITION ECCENTRIC STUD WITH LOCK NUT LOOSENED. REPEAT PROCEDURE IF NECESSARY.

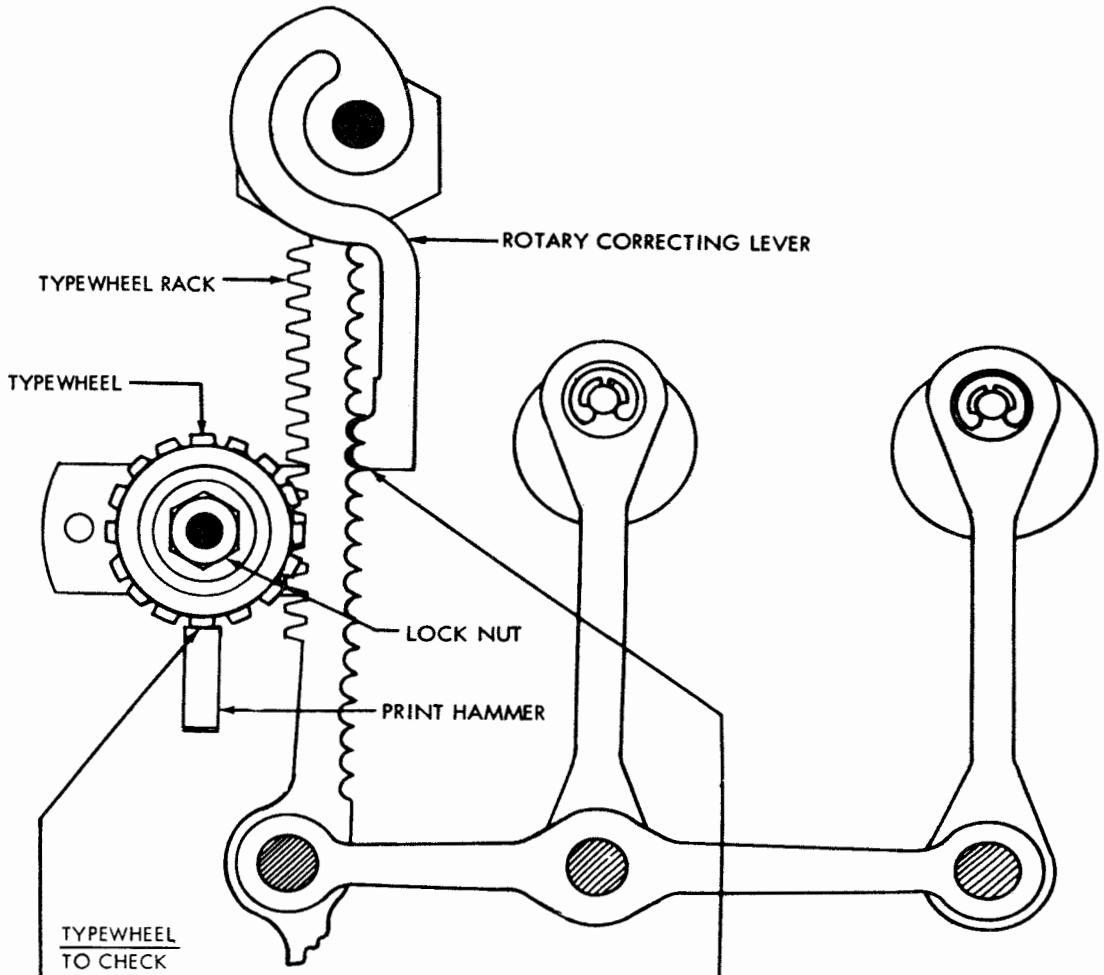
NOTE
IT MAY BE NECESSARY TO REMAKE TYPE WHEEL ADJUSTMENT. (FIGURE 1-52)



FRONT VIEW

FIGURE 6-215C. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PRINTING MECHANISM FOR FULLY PERFORATED TAPE

NOTE
THE ADJUSTMENTS ON THIS PAGE ARE FOR FULLY PERFORATED TAPE.



TYPEWHEEL

TO CHECK

SELECT "M" CODE COMBINATION (--345). PLACE ROCKER BAIL TO EXTREME LEFT. CORRECTING LEVER SHOULD BE FIRMLY SEATED IN TYPEWHEEL RACK.

REQUIREMENT

TYPEWHEEL ALIGNED SO THAT FULL CHARACTER IS PRINTED UNIFORMLY.

TO ADJUST

POSITION TYPEWHEEL WITH LOCK NUT LOOSENED. CHECK PRINTING BY MANUALLY LIFTING ACCELERATOR TO LATCHED POSITION AND RELEASING IT.

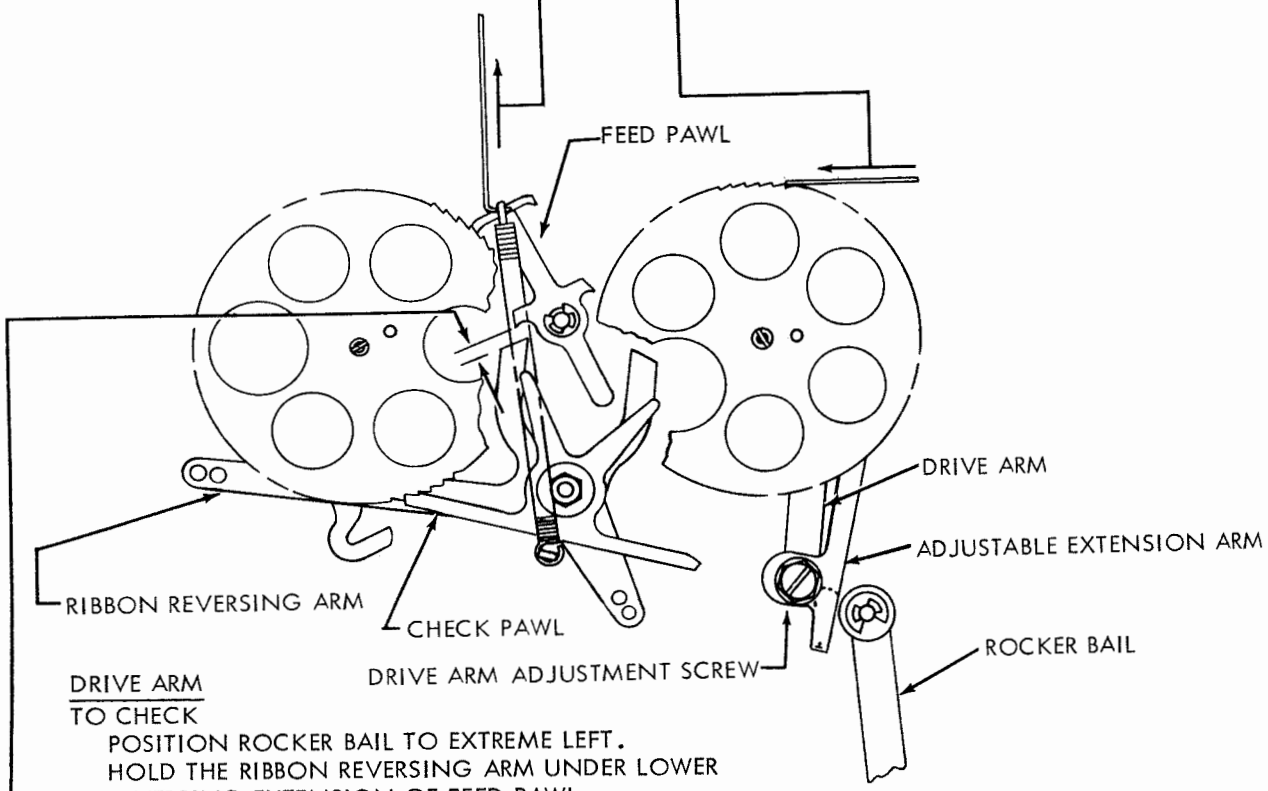
NOTE: FOR BEST RESULTS IT MAY BE NECESSARY TO MAKE PRINT HAMMER ADJUSTMENT AND THEN REFINE THIS ADJUSTMENT.

FIGURE 6-215D. TYPING REPERFORATOR TT-373/UG, TT-375/UG, PRINTING MECHANISM FOR FULLY PERFORATED TAPE

LATEST DESIGN

FEED PAWL SPRING
REQUIREMENT
WITH ROCKER BAIL TO EXTREME RIGHT:
MIN. 4 OZS. --- MAX. 6 OZS.
TO PULL FEED PAWL SPRING TO
INSTALLED LENGTH.

RATCHET WHEEL TORQUE SPRING
REQUIREMENT
MIN. 1 OZS. --- MAX. 3 OZS.
APPLIED TANGENTIALLY TO THE RATCHET
WHEEL TO START IT TO ROTATE.

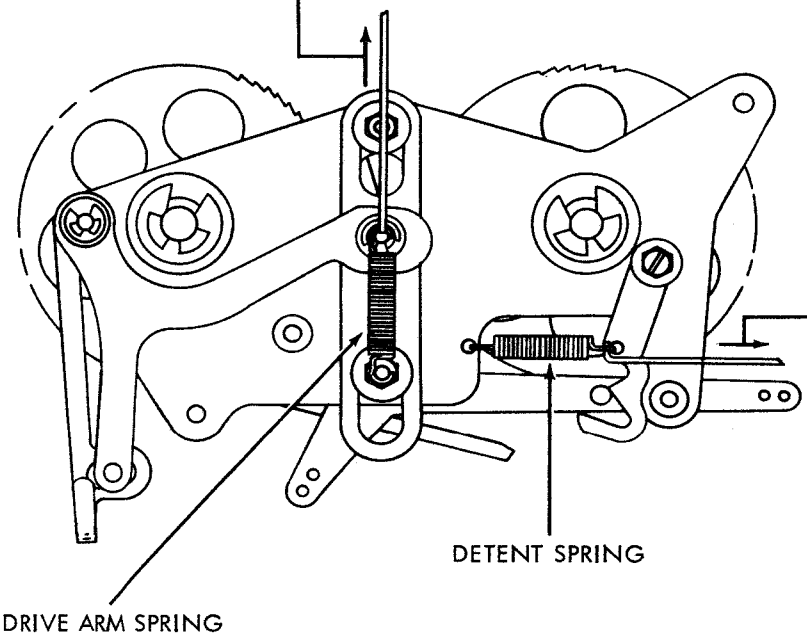


DRIVE ARM
TO CHECK
POSITION ROCKER BAIL TO EXTREME LEFT.
HOLD THE RIBBON REVERSING ARM UNDER LOWER
REVERSING EXTENSION OF FEED PAWL.
REQUIREMENT
(1) CLEARANCE BETWEEN BLOCKING EDGE OF
RIBBON REVERSE ARM AND REVERSING
EXTENSION OF FEED PAWL:
MIN. SOME
(2) CLEARANCE SHALL NOT BE SO GREAT AS
TO ALLOW FEED PAWL TO FEED MORE
THAN TWO TEETH AT A TIME.
(3) FEED PAWL DETENTED IN BOTH ITS RIGHT
AND LEFT POSITION.
TO ADJUST
POSITION DRIVE ARM ADJUSTABLE EXTENSION
LEVER WITH ITS MOUNTING SCREW LOOSENED.

FIGURE 6-215E. TYPING REPERFORATOR TT-373/UG, TT-375/UG, RIBBON FEED MECHANISM - LATEST DESIGN

LATE DESIGN

DRIVE ARM SPRING
REQUIREMENT
WITH ROCKER BAIL TO EXTREME RIGHT:
MIN. 9 OZS. --- MAX. 14 OZS.
TO PULL DRIVE ARM SPRING TO
INSTALLED LENGTH.



DETENT SPRING
REQUIREMENT
WITH REVERSING ARM IN ITS EXTREME
RIGHT OR LEFT POSITION:
MIN. 2 OZS. --- MAX. 4 OZS.
TO PULL DETENT SPRING TO ITS
INSTALLED LENGTH.

FIGURE 6-215F. TYPING REPERFORATOR TT-373/UG, TT-375/UG, RIBBON FEED MECHANISM - LATEST DESIGN

8. POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE.

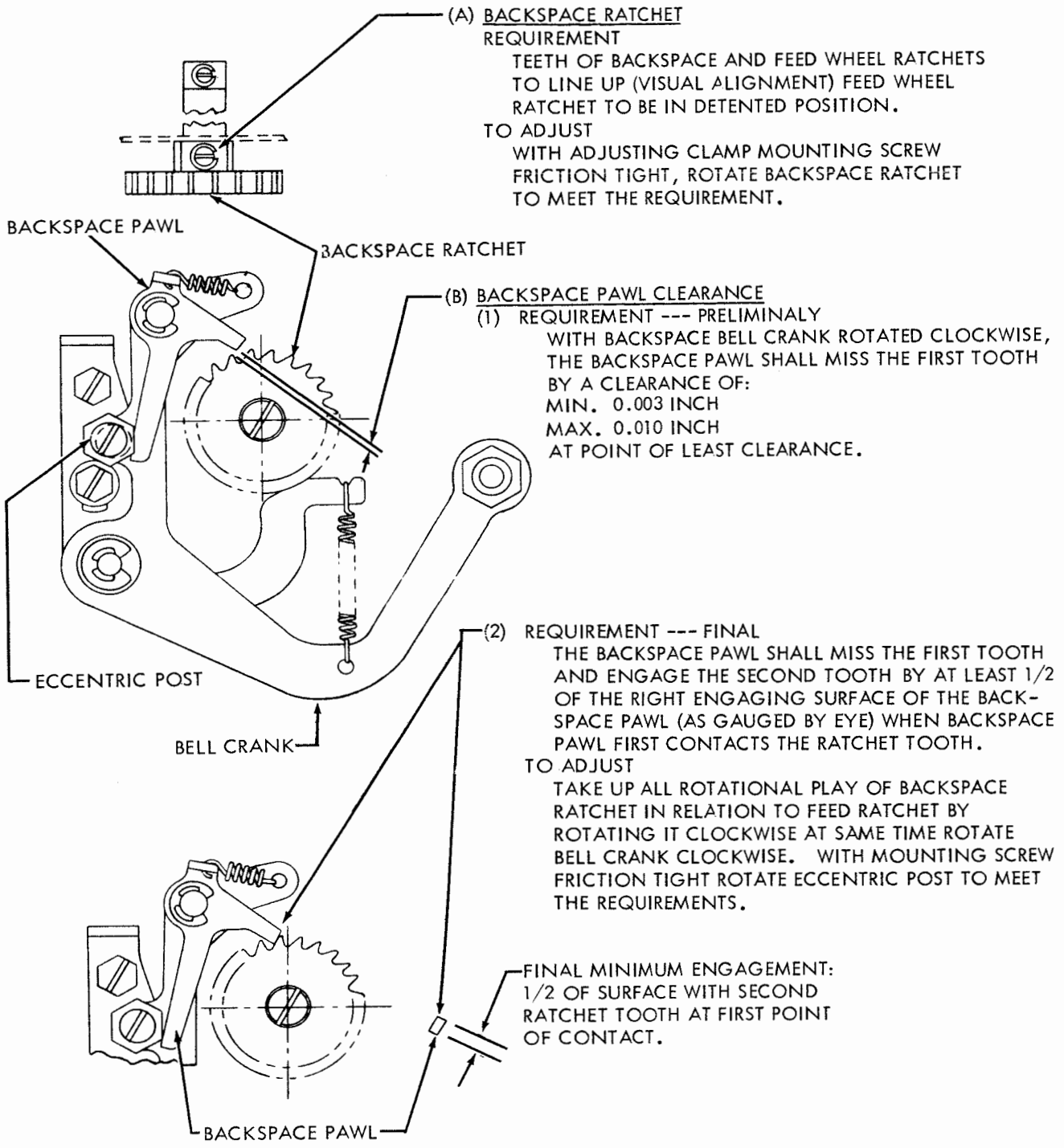
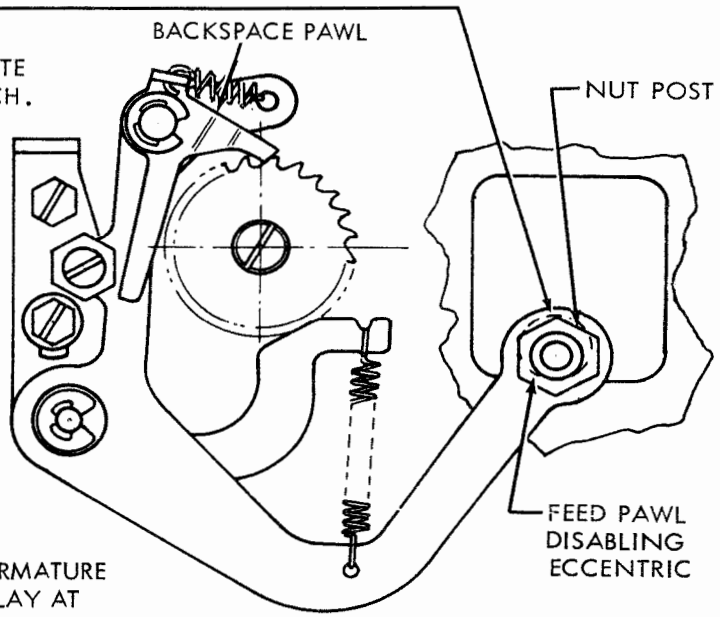


FIGURE 6-215G. TYPING REPERFORATOR TT-373/UG, TT-375/UG, POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE

(A) FEED PAWL DISABLING
REQUIREMENT
WHEN BELL CRANK IS IN OPERATED POSITION HIGH SIDE OF FEED PAWL DISABLING ECCENTRIC SHOULD BE IN UPPERMOST POSITION.
TO ADJUST
WITH NUT POST FRICTION TIGHT, ROTATE ECCENTRIC WITH A 0.060" ALLEN WRENCH.



(B) ARMATURE HINGE
REQUIREMENT
WITH ARMATURE BAIL SPRING REMOVED, ARMATURE HELD AGAINST THE POLE FACE, TAKE UP PLAY AT HINGE IN A DOWNWARD DIRECTION. CLEARANCE BETWEEN THE ARMATURE AND MAGNET BRACKET.
MIN. SOME
MAX. 0.004 INCH
TO ADJUST
WITH HINGE MOUNTING SCREWS FRICTION TIGHT, POSITION HINGE. ARMATURE SHOULD TOUCH FRONT AND REAR OF POLE FACE. TIGHTEN SCREWS AND RECHECK ADJUSTMENT.

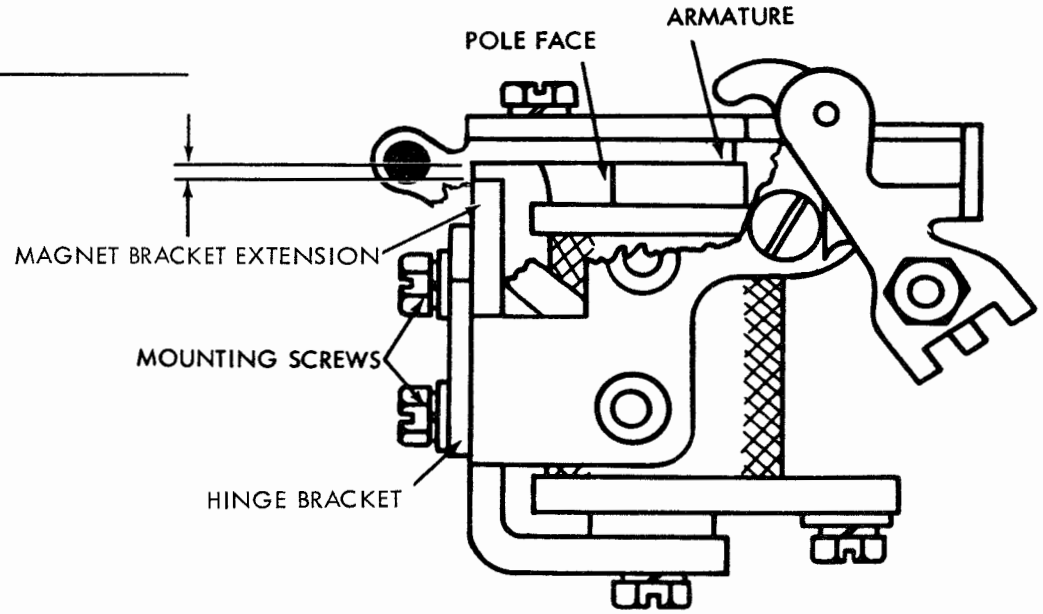


FIGURE 6-215H. TYPING REPERFORATOR TT-373/UG, TT-375/UG, POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE

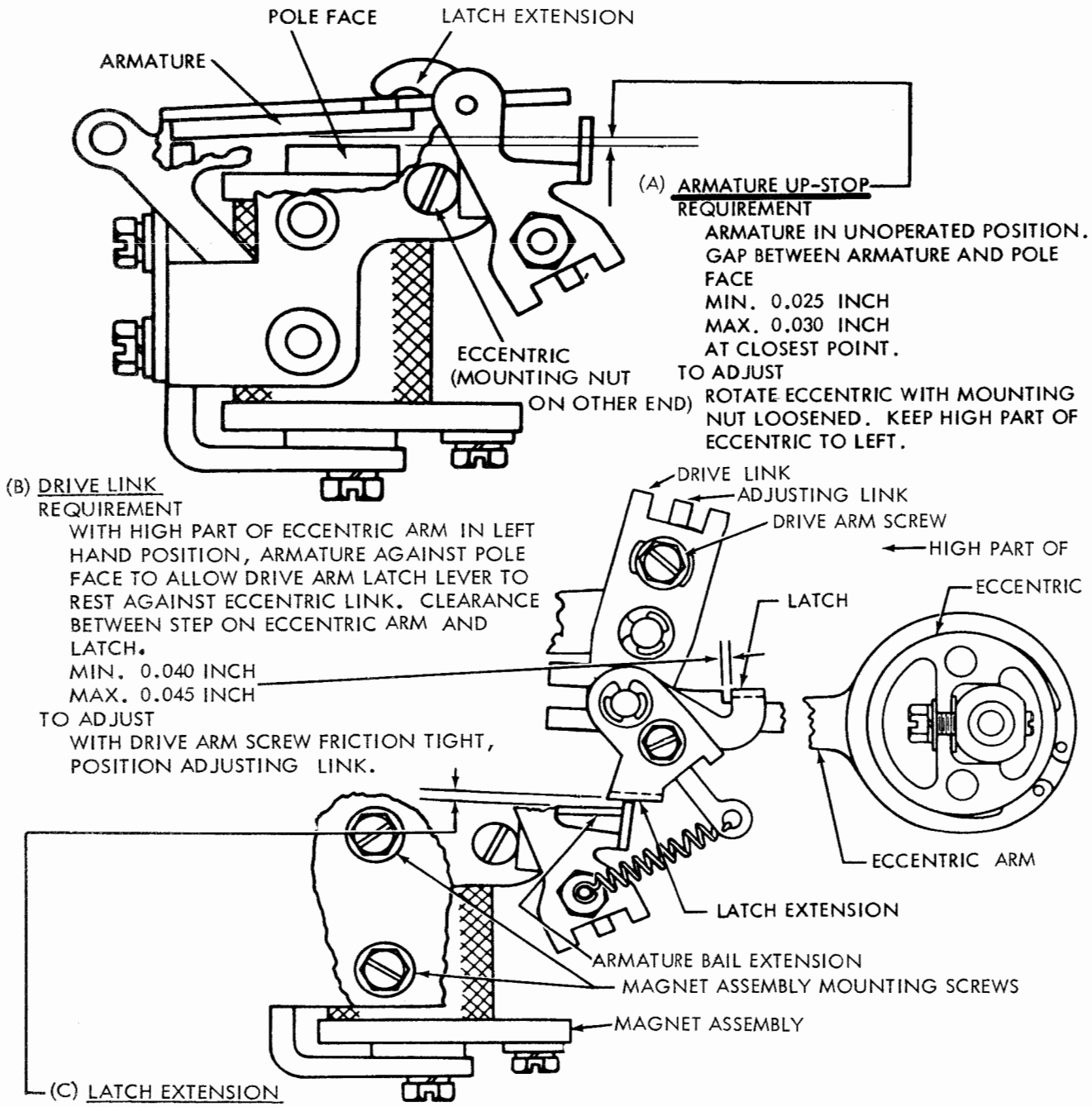


FIGURE 6-215I. TYPING REPERFORATOR TT-373/UG, TT-375/UG, POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE

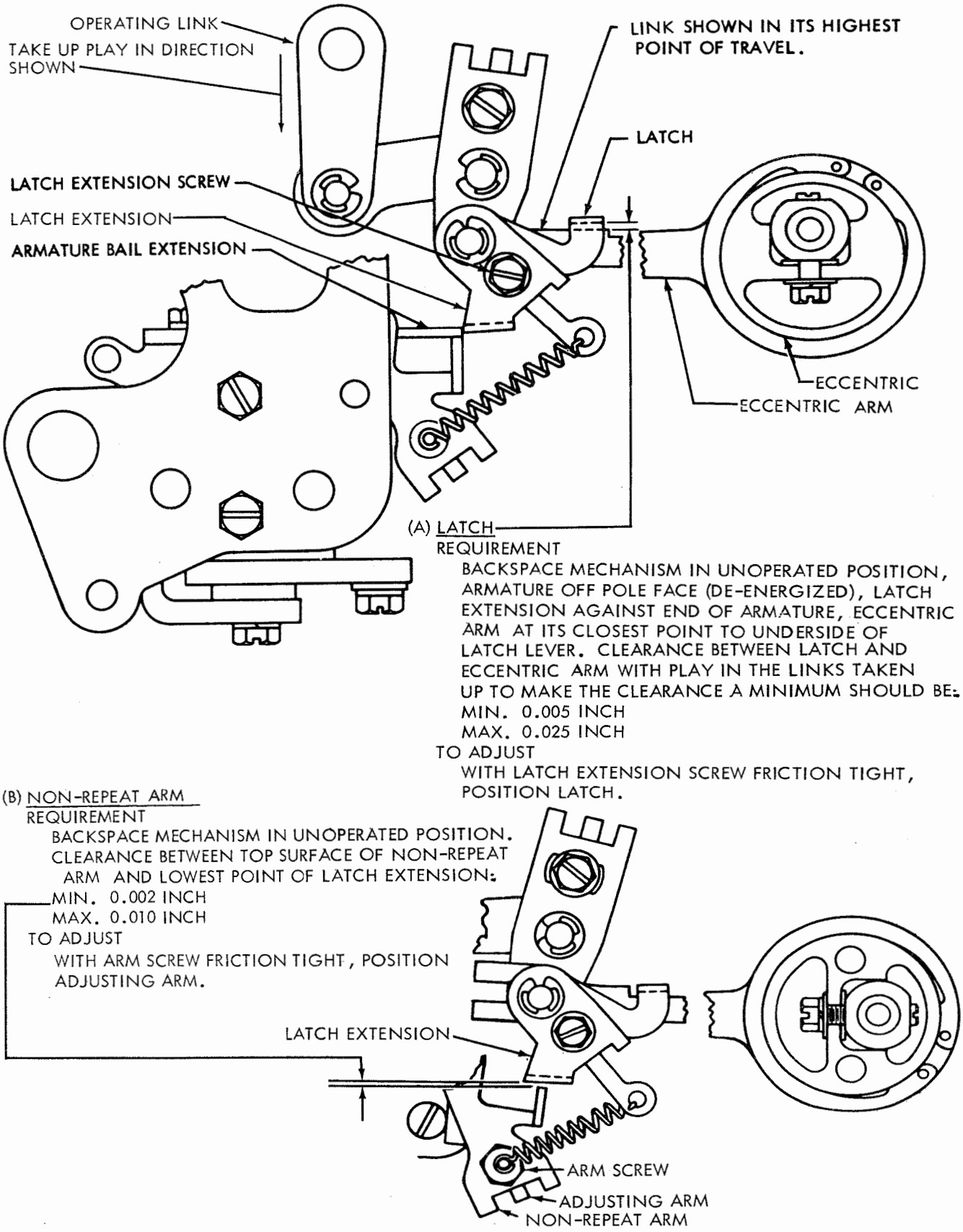


FIGURE 6-215J. TYPING REPERFORATOR TT-373/UG, TT-375/UG, POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE

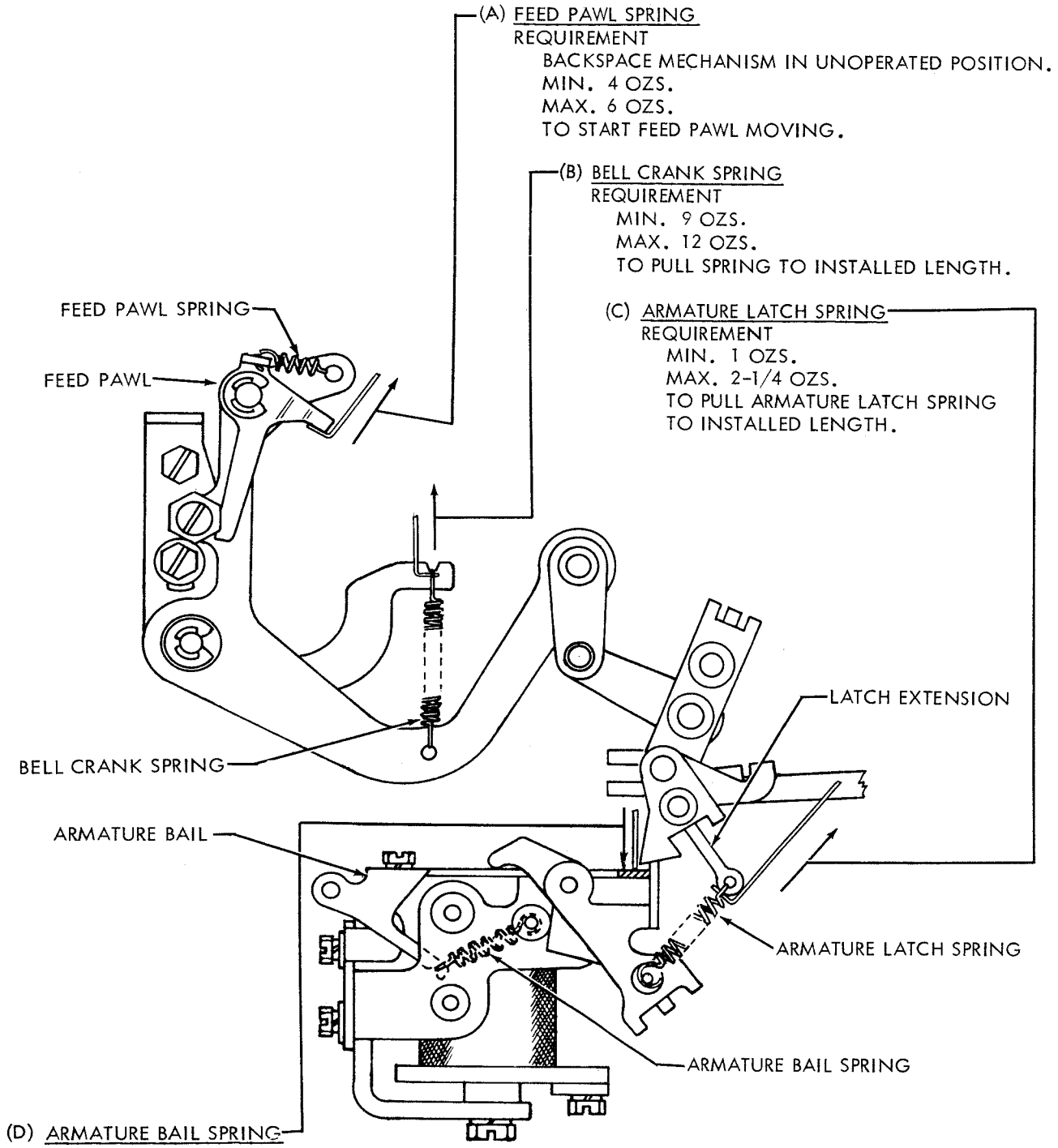
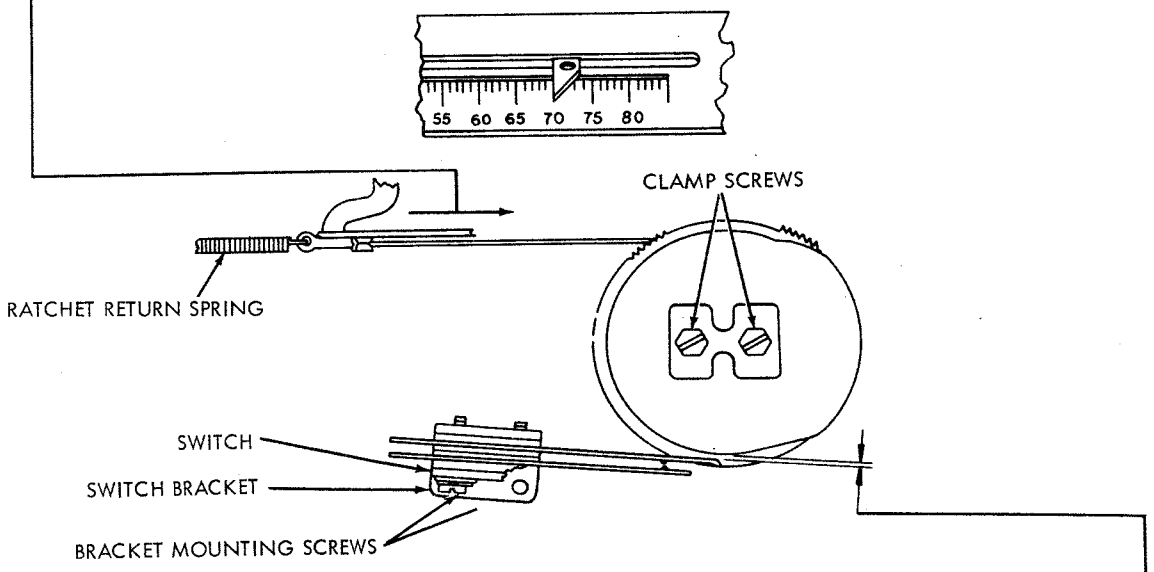


FIGURE 6-215K. TYPING REPERFORATOR TT-373/UG, TT-375/UG, POWER DRIVE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE

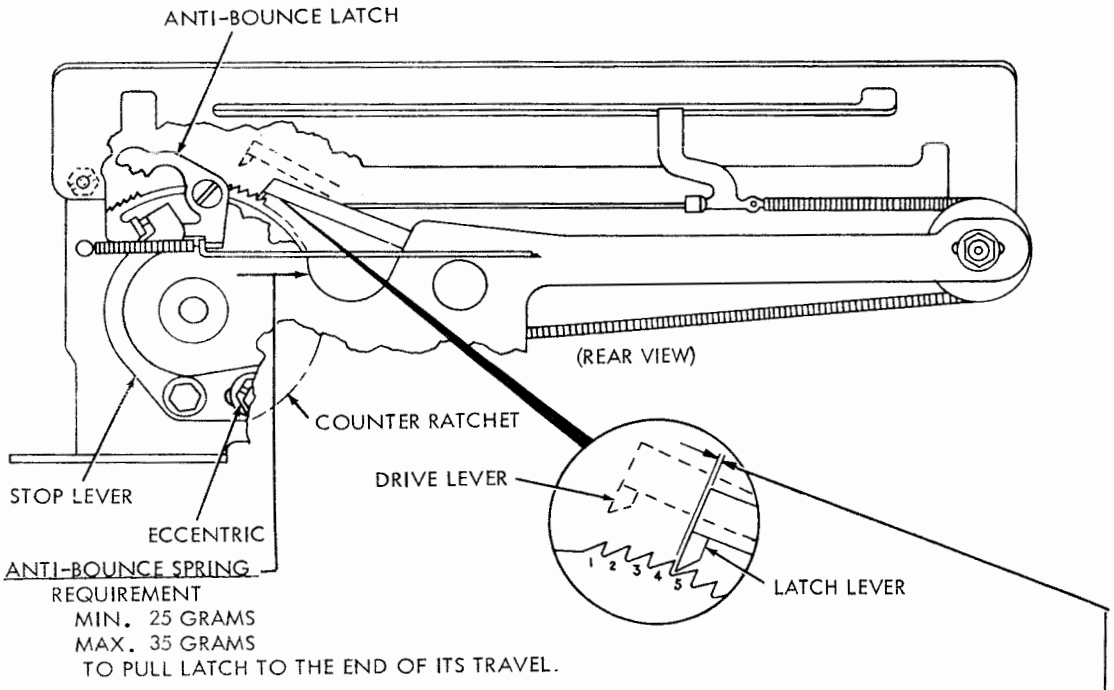
3. CHARACTER COUNTER MECHANISM (NEW DESIGN) SEE SECTION 5 FOR EARLY DESIGN

RATCHET DRUM ASSEMBLY RETURN SPRING
REQUIREMENT
1/2 TO 1 1/2 OZS. WHEN INDICATOR POINTS TO 35 ON THE SCALE.
1 1/2 TO 2 1/2 OZS. WHEN INDICATOR POINTS TO 70 ON THE SCALE.

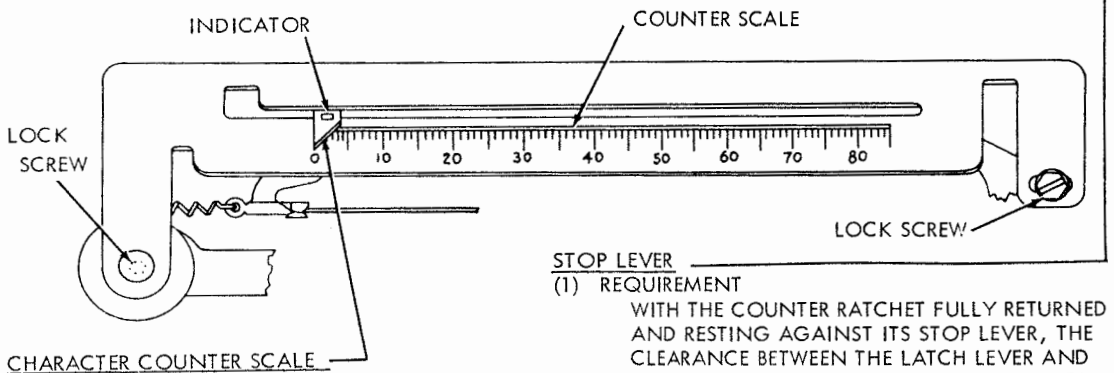


CHARACTER COUNTER END-OF-LINE-SWITCH
(1) REQUIREMENT (CHARACTER COUNTER REMOVED)
THE SWITCH SHOULD CLOSE AT A PRESET NUMBER OF CHARACTERS WITH A SMALL AMOUNT OF OVERTRAVEL BY BOTH CONTACT SPRINGS.
(2) REQUIREMENT
CLEARANCE BETWEEN LONG CONTACT SPRING AND LOW PART OF CAM.
MIN. 0.012---MAX. 0.025 INCH
TO ADJUST
POSITION SWITCH BRACKET WITH ITS MOUNTING SCREWS LOOSENED. THEN SET COUNTER TO THE DESIRED COUNT. LOOSEN CAM CLAMP SCREWS AND POSITION CAM UNTIL CONTACT CLOSES WITH SOME OVERTRAVEL. REPLACE UNIT.

FIGURE 6-215L. KEYBOARD TT-371/UG, CHARACTER COUNTER MECHANISM



ANTI-BOUNCE SPRING
REQUIREMENT
MIN. 25 GRAMS
MAX. 35 GRAMS
TO PULL LATCH TO THE END OF ITS TRAVEL.



CHARACTER COUNTER SCALE
(1) REQUIREMENT
WHEN INDICATOR IS AT EXTREME LEFT OF SCALE, IT SHOULD POINT TO ZERO.
TO ADJUST
SET INDICATOR TO LEFT. LOOSEN LOCK SCREWS AND POSITION SCALE.
(2) REQUIREMENT
POINT OF INDICATOR SHOULD NOT TOUCH THROUGHOUT ITS ENTIRE TRAVEL.
TO ADJUST
FORM THE INDICATOR.

STOP LEVER
(1) REQUIREMENT
WITH THE COUNTER RATCHET FULLY RETURNED AND RESTING AGAINST ITS STOP LEVER, THE CLEARANCE BETWEEN THE LATCH LEVER AND THE FACE OF THE 4TH RATCHET TOOTH SHOULD BE
MIN. 0.002 INCH
MAX. 0.010 INCH
(2) REQUIREMENT
THE ANTI-BOUNCE LATCH SHOULD NOT INTERFERE WITH THE ROTATION OF THE RATCHET.
TO ADJUST
HOLD THE DRIVE LEVER OUT OF ENGAGEMENT WITH THE RATCHET AND ROTATE THE STOP LEVER ECCENTRIC.

FIGURE 6-215M. KEYBOARD TT-371/UG, CHARACTER COUNTER MECHANISM

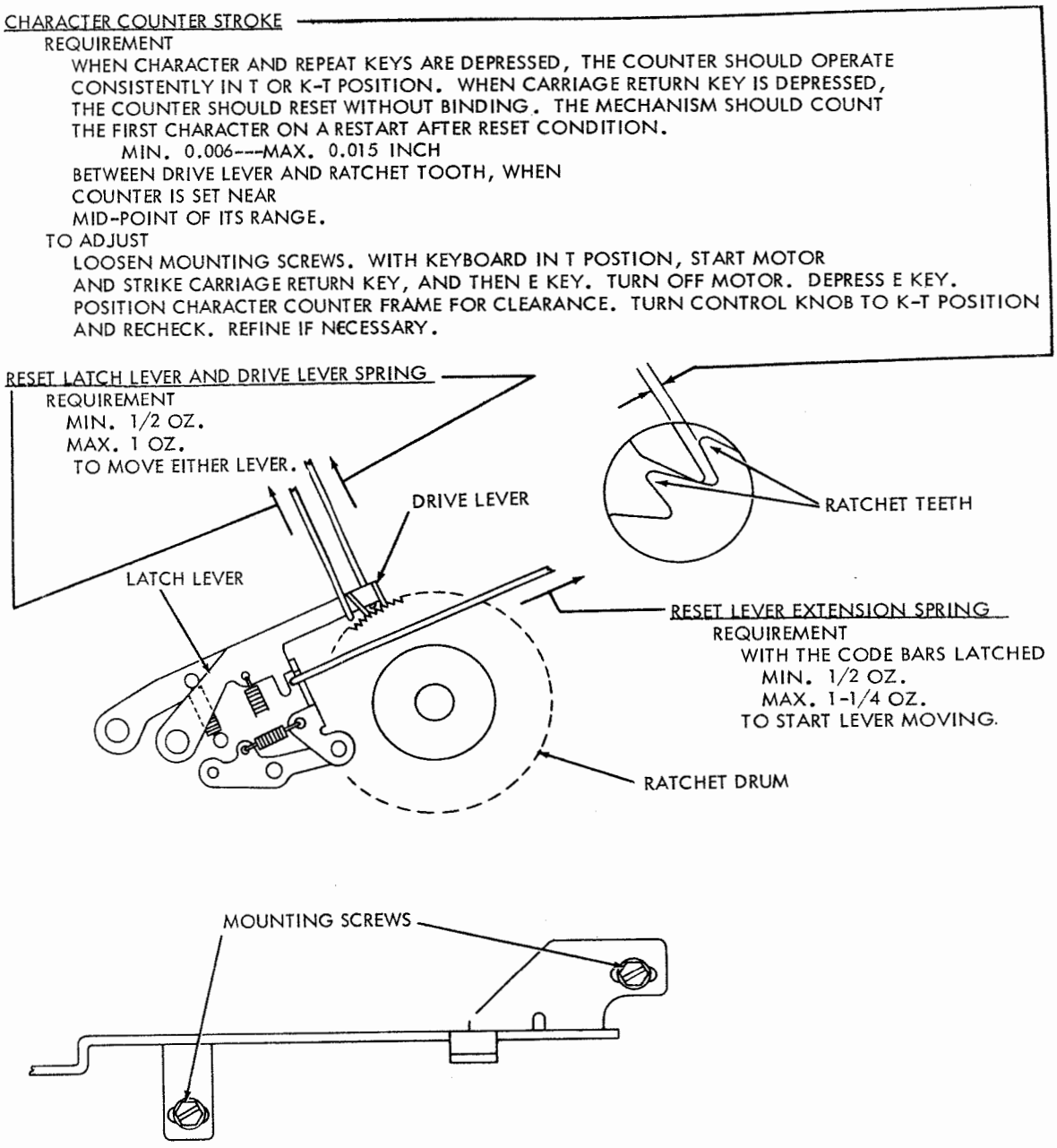


FIGURE 6-215N. KEYBOARD TT-371/UG, CHARACTER COUNTER MECHANISM

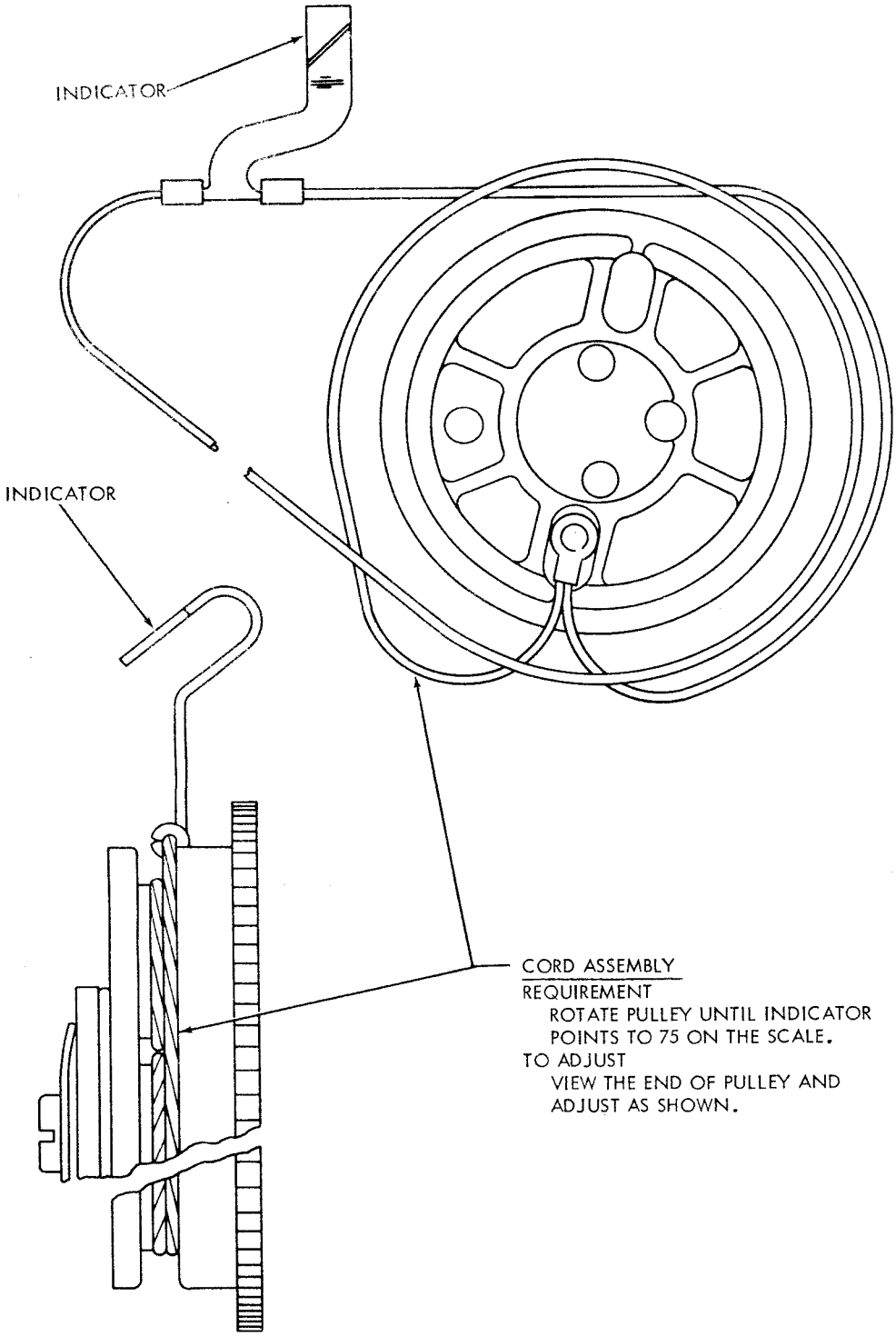


FIGURE 6-215O. KEYBOARD TT-371/UG, CHARACTER COUNTER MECHANISM

12. SYNCHRONOUS PULSE

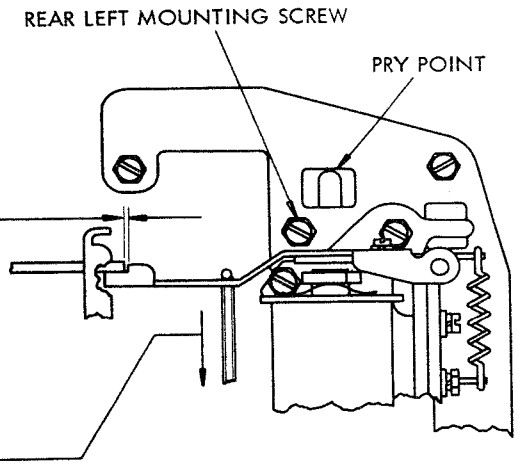
MOUNTING BRACKET (A)

TO CHECK
WITH MAGNET NOT ATTRACTED AND CLUTCH TRIP BAR IN FURTHEST LEFT POSITION.

REQUIREMENT
MIN. 0.005 INCH --- MAX. 0.015 INCH BETWEEN CLUTCH TRIP BAR AND ARMATURE LEVER.

TO ADJUST
POSITION MOUNTING BRACKET WITH THREE MOUNTING SCREWS LOOSE BY MEANS OF PRY POINT.

NOTE
TIGHTEN REAR LEFT MOUNTING SCREW AND MAKE MOUNTING BRACKET ADJUSTMENT (B).



MAGNET ARMATURE

TO CHECK
CLUTCH TRIP BAR IN EXTREME LEFT POSITION. HOOK 32 OZ. SCALE TO ARMATURE LEVER AS SHOWN. MEASURE AT RIGHT ANGLE TO ARMATURE LEVER AS INDICATED.

REQUIREMENT
MIN. 3 OZS. --- MAX. 5 OZS.
TO PULL ARMATURE LEVER FROM CLUTCH TRIP BAR.

MOUNTING BRACKET (B)

TO CHECK
WITH ARMATURE LEVER HELD AGAINST MAGNET POLE FACE AND CLUTCH TRIP BAR IN FURTHEST RIGHT POSITION.

REQUIREMENT
MIN. 0.005 INCH --- MAX. 0.015 INCH BETWEEN CLUTCH TRIP BAR AND ARMATURE LEVER.

TO ADJUST
WITH RIGHT REAR AND LEFT FRONT MOUNTING BRACKET SCREWS LOOSE POSITION MOUNTING BRACKET BY MEANS OF PRY POINT.

ARMATURE HINGE

REQUIREMENT
WITH ARMATURE IN ATTRACTED POSITION ARMATURE FLUSH WITH POLE FACE AND MAGNET BRACKET EXTENSION.

TO ADJUST
POSITION ARMATURE WITH HINGE BRACKET MOUNTING SCREW AND SPRING POST LOOSE.

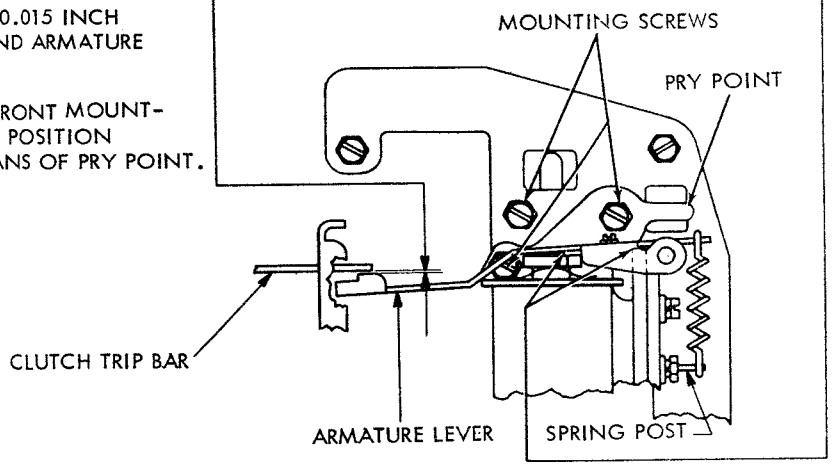
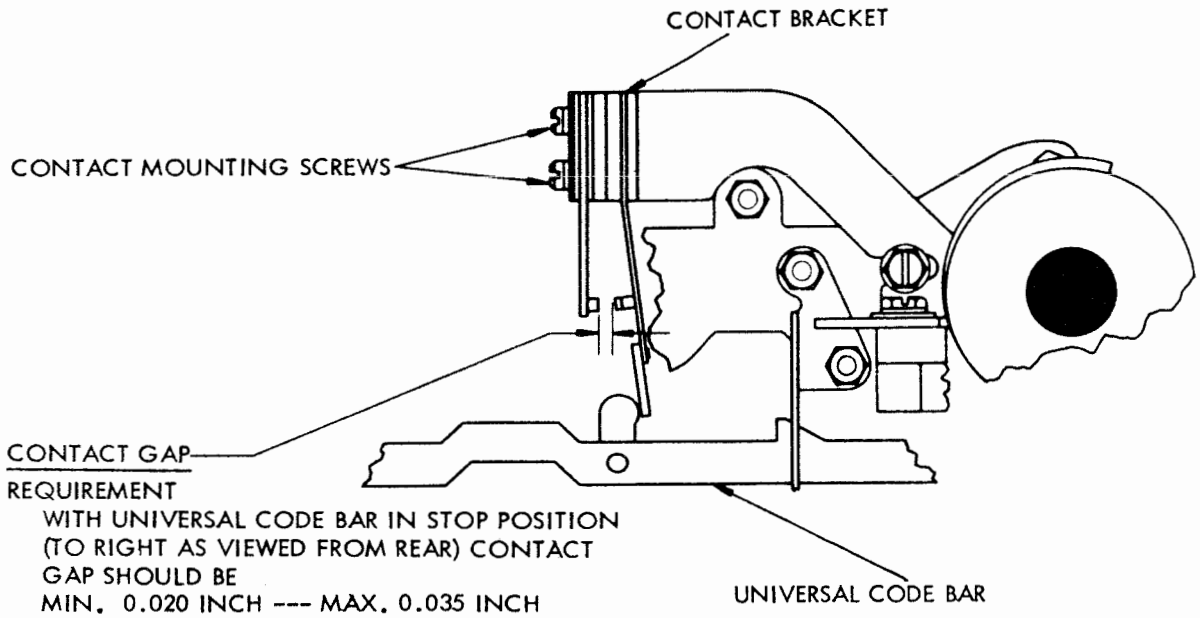


FIGURE 6-215P. KEYBOARD TT-371/UG, SYNCHRONOUS PULSE MAGNET MECHANISM



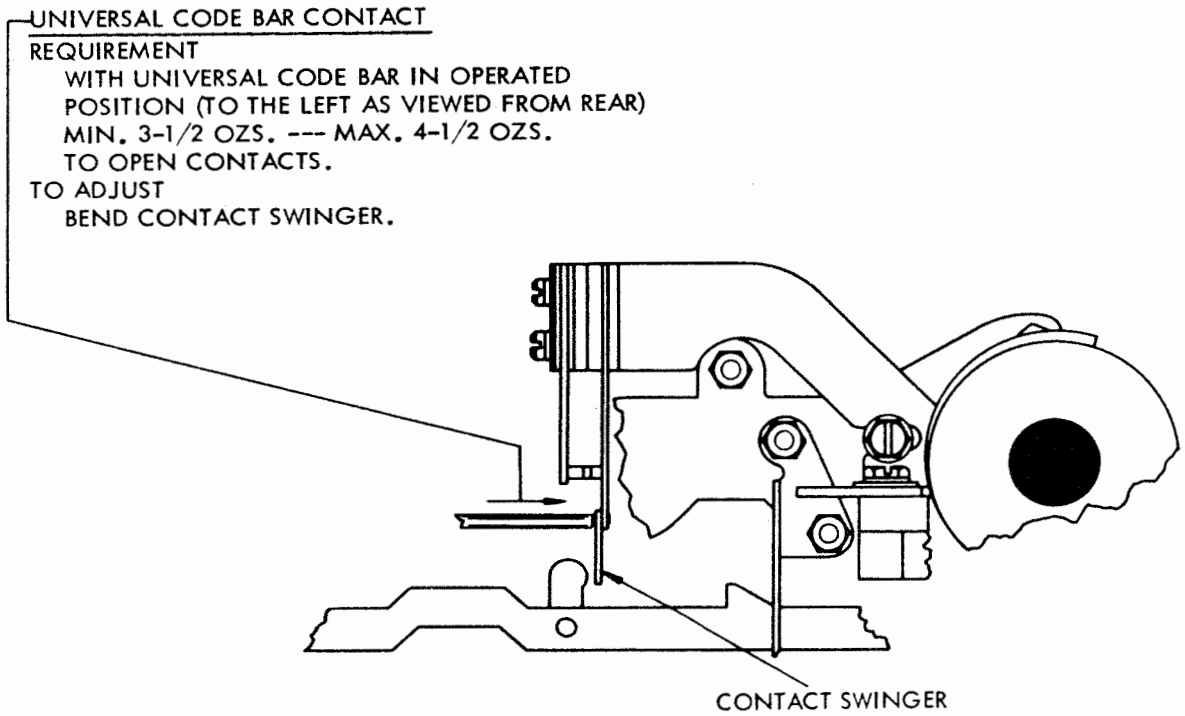
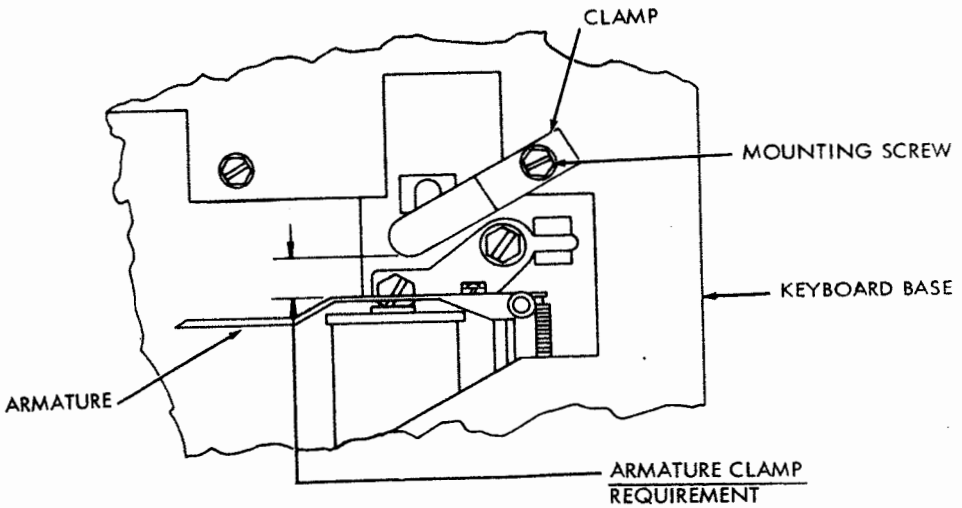


FIGURE 6-215Q. KEYBOARD TT-371/UG, SYNCHRONOUS PULSE CONDITIONING CONTACT



REQUIREMENT
WITH ARMATURE OPERATED, CLEARANCE BETWEEN ARMATURE CLAMP AND ARMATURE APPROX. 3/8 INCH

TO ADJUST
POSITION CLAMP WITH ITS MOUNTING SCREW LOOSENED.

FIGURE 6-215R. KEYBOARD TT-371/UG, SYNCHRONOUS PULSE MAGNET

14. POWER BACKSPACE SWITCH

POWER BACKSPACE SWITCH POSITION

NOTE

THIS IS NOT A ROUTINE ADJUSTMENT AND SHOULD BE CHECKED AND MADE ONLY IF TROUBLE IN ITS OPERATION IS ENCOUNTERED OR PARTS ARE DISASSEMBLED AND REPLACED.

(1) REQUIREMENT

WITH SWITCH OPERATING LEVER HELD PARALLEL TO THE TOP OF ITS MOUNTING BRACKET AND DEPRESSED TO LIMIT OF ITS TRAVEL, THE SWITCH SHALL BE OPERATED.

(2) REQUIREMENT

WITH SWITCH IN UNOPERATED CONDITION AND OPERATING LEVER HELD PARALLEL TO TOP OF ITS MOUNTING BRACKET, THERE SHOULD BE SOME CLEARANCE BETWEEN THE OPERATING LEVER AND TOP OF THE CURVED SLOT IN THE BRACKET.

TO ADJUST

POSITION SWITCH BRACKET WITH ITS MOUNTING SCREWS LOOSENED.

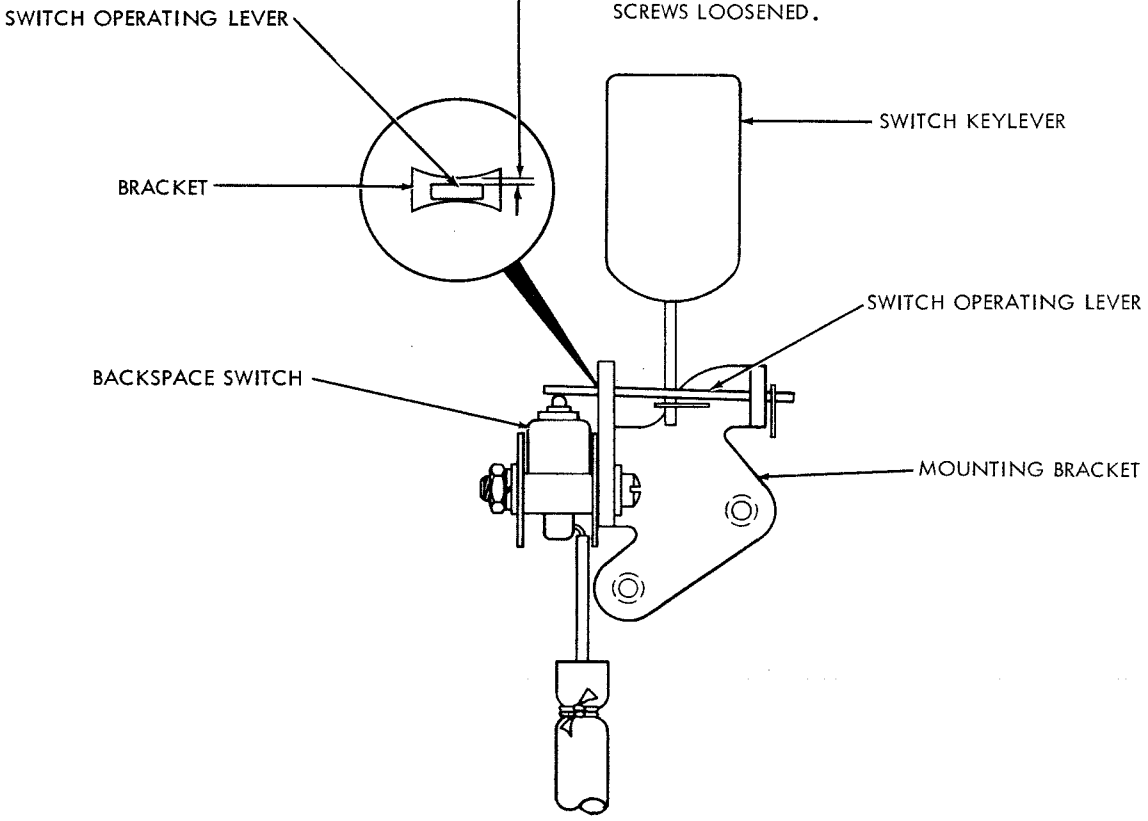
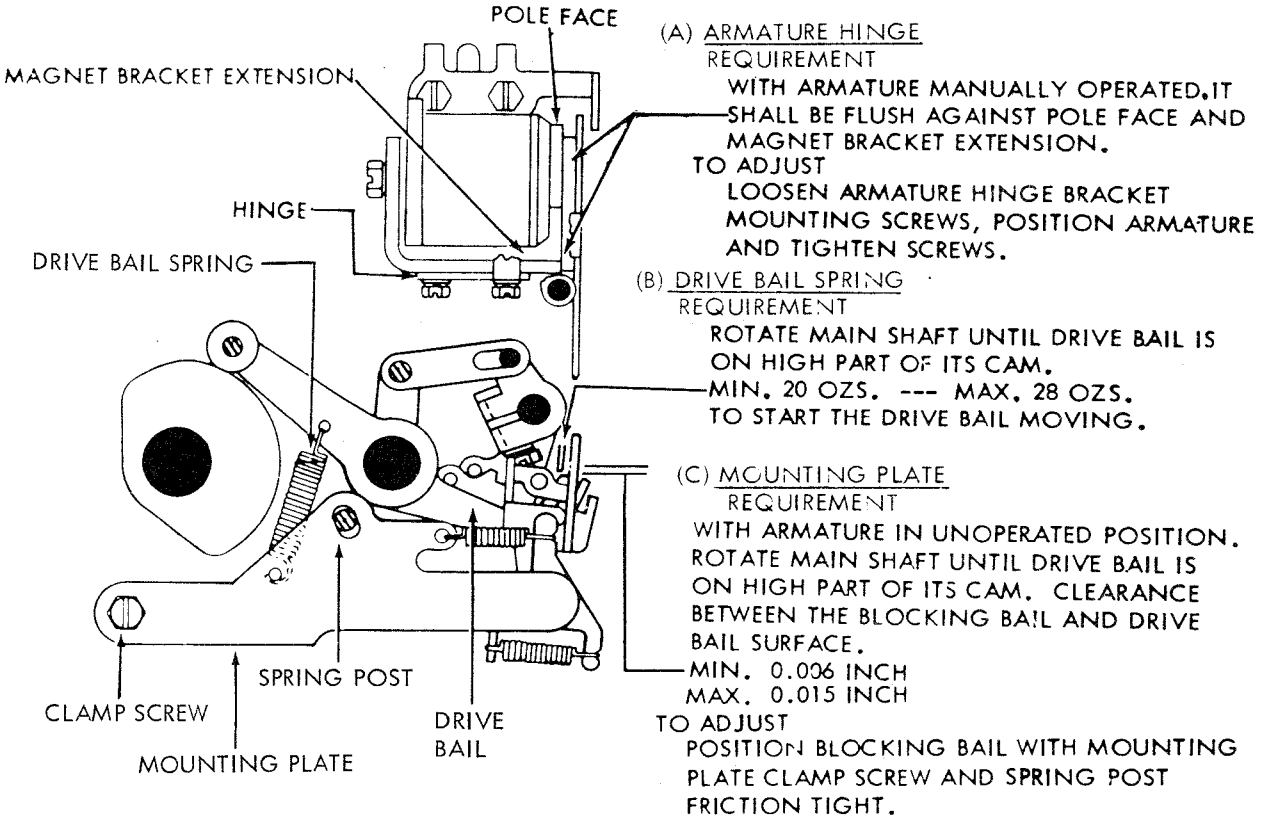


FIGURE 6-215S. KEYBOARD TT-371/UG, POWER BACKSPACE SWITCH

11. REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM - LATEST DESIGN



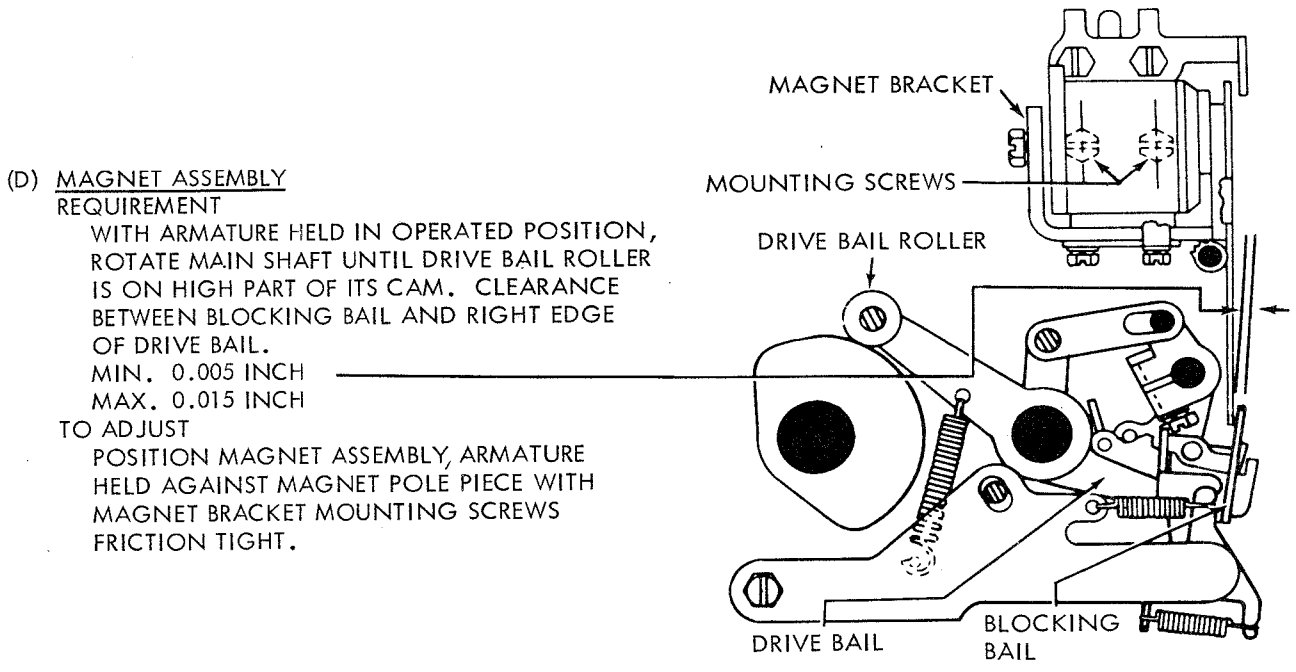


FIGURE 6-240A. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM - LATEST DESIGN

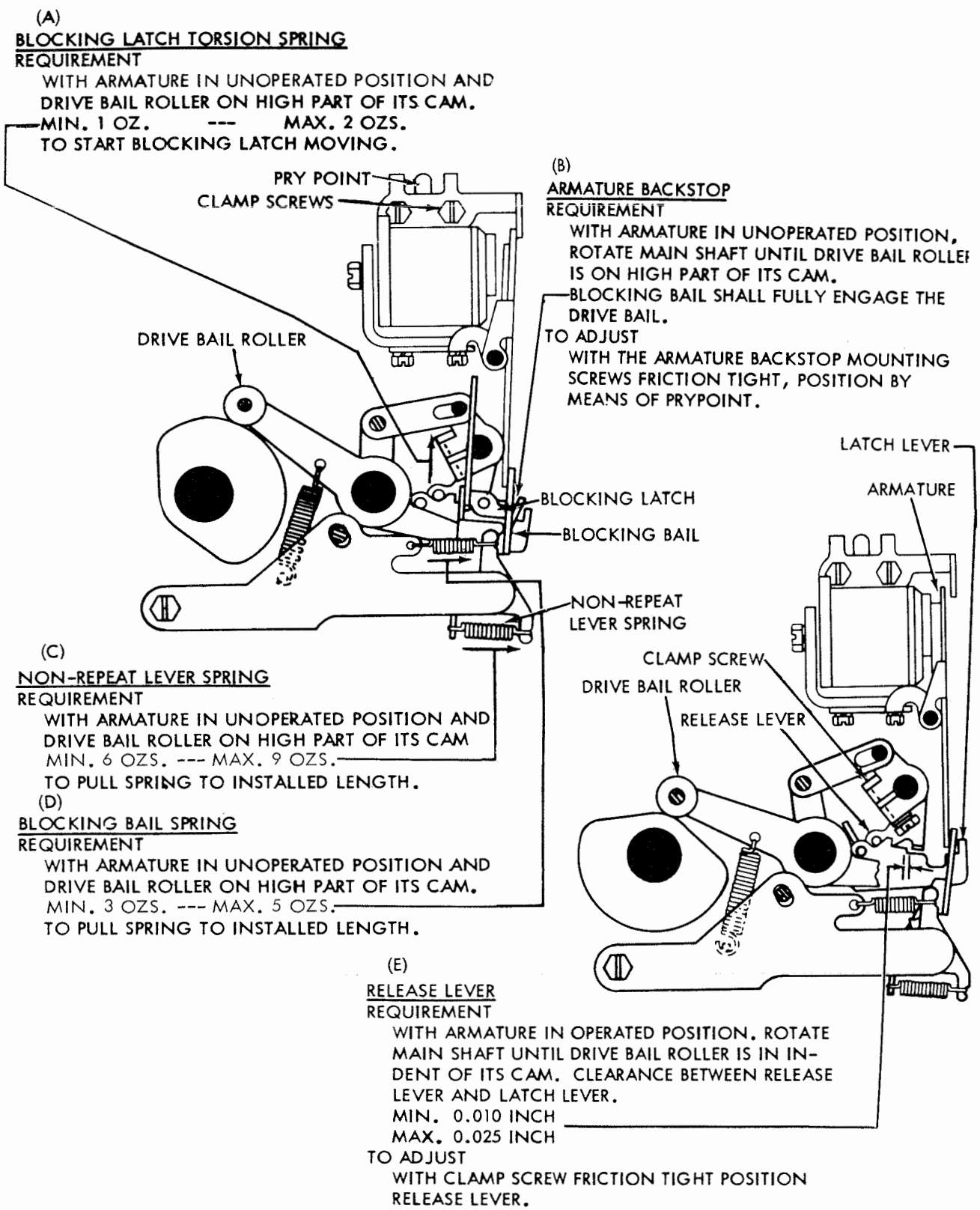


FIGURE 6-240B. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM - LATEST DESIGN

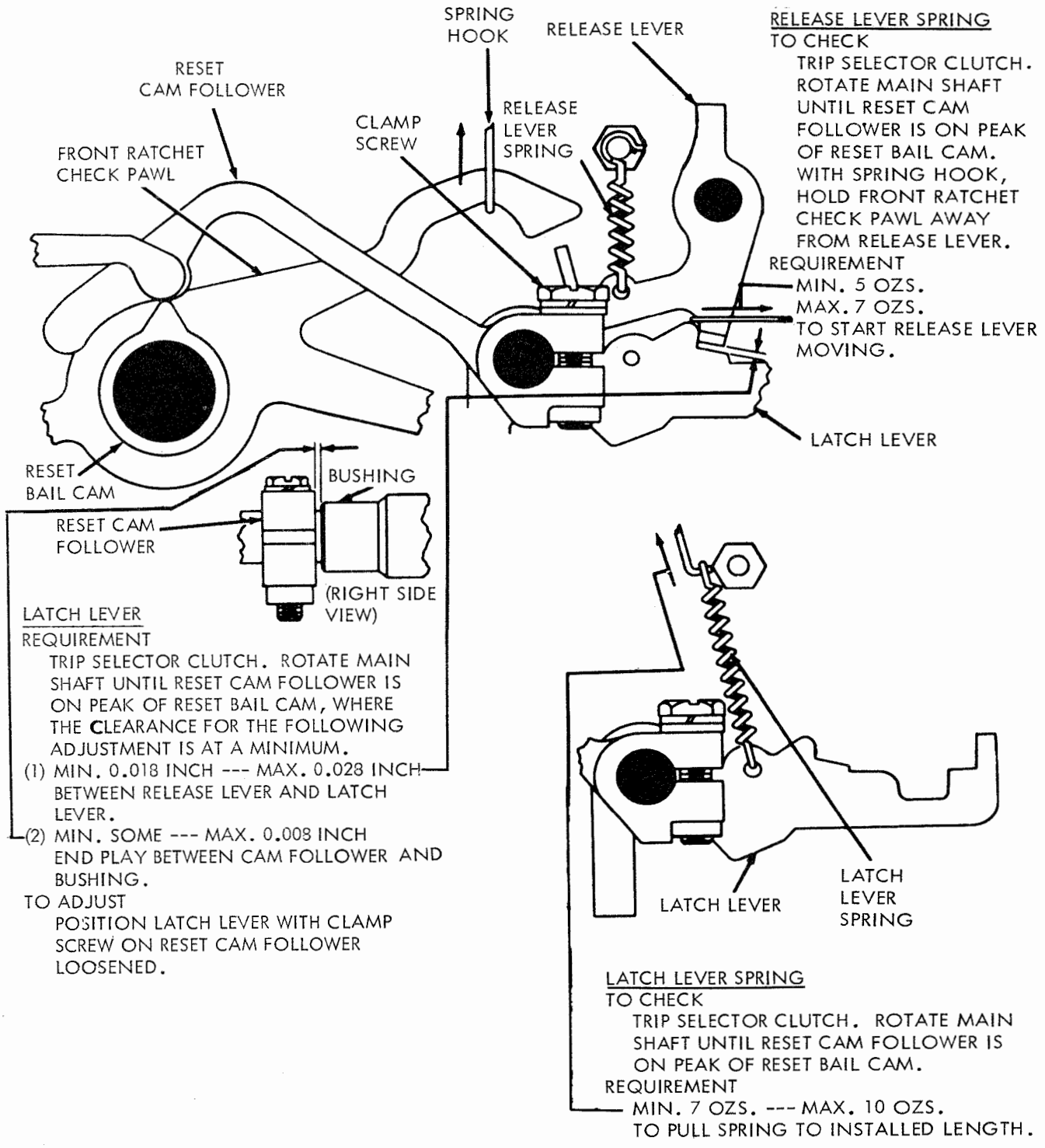


FIGURE 6-240C. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

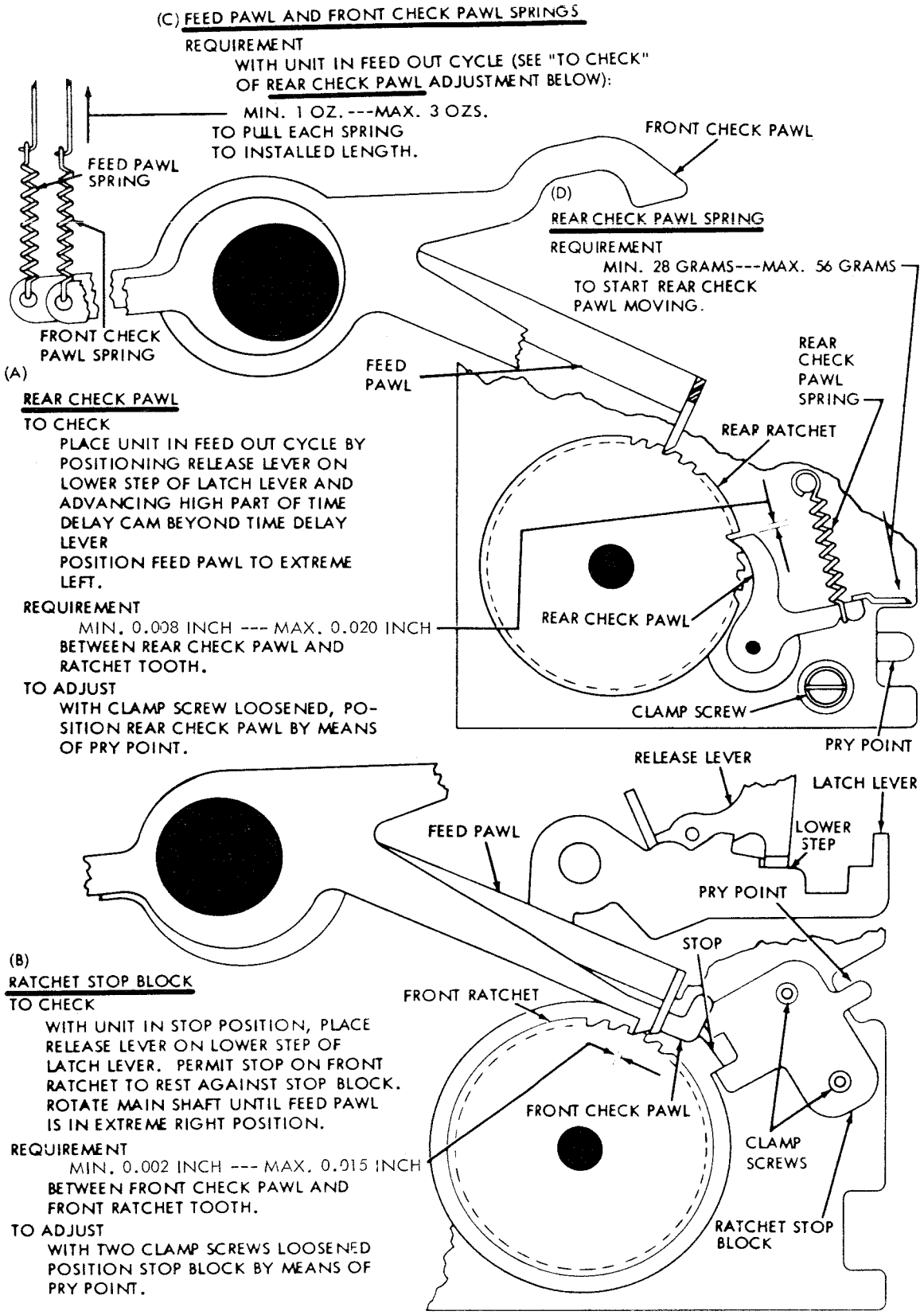


FIGURE 6-240D. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

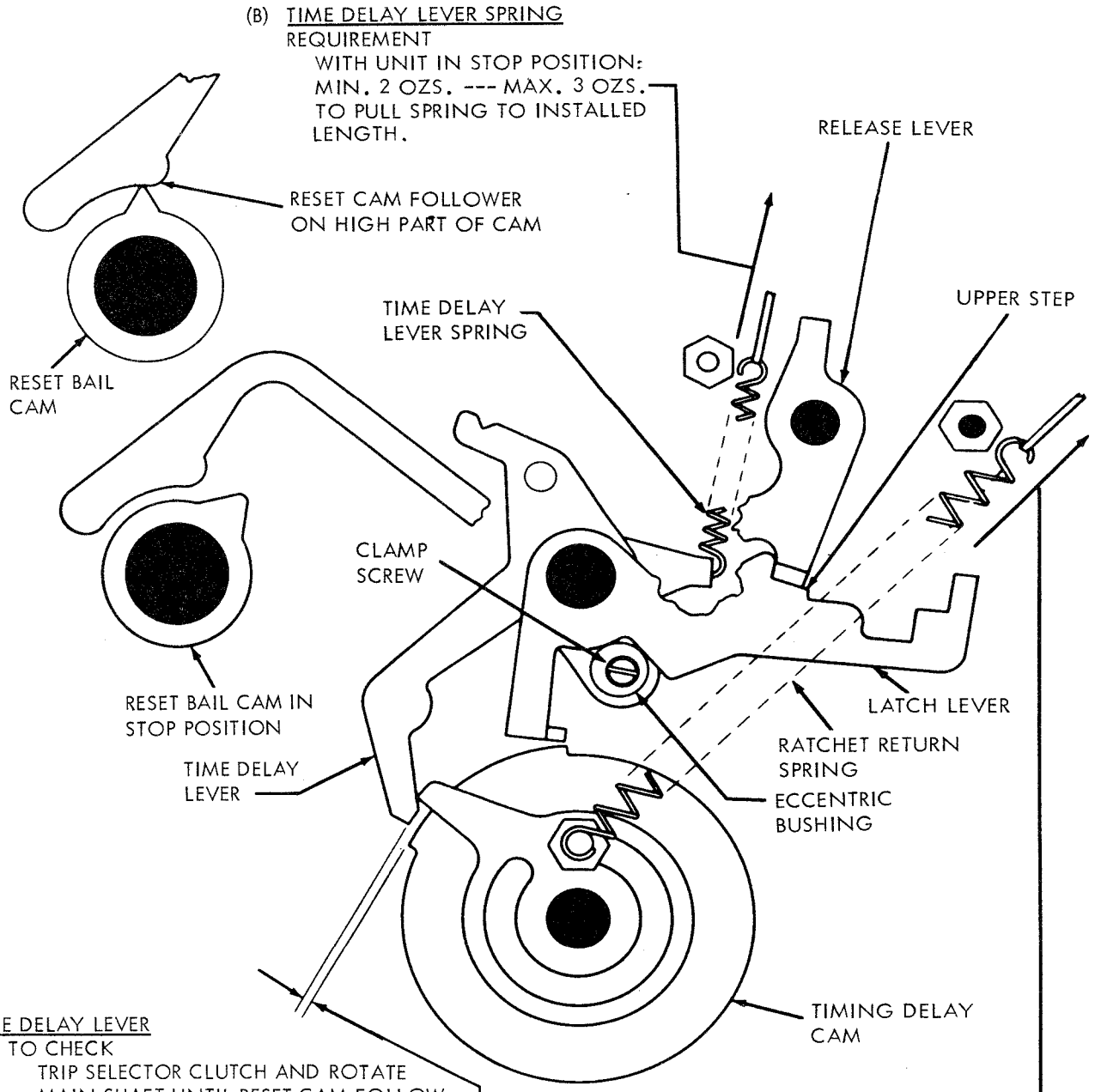


FIGURE 6-240E. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

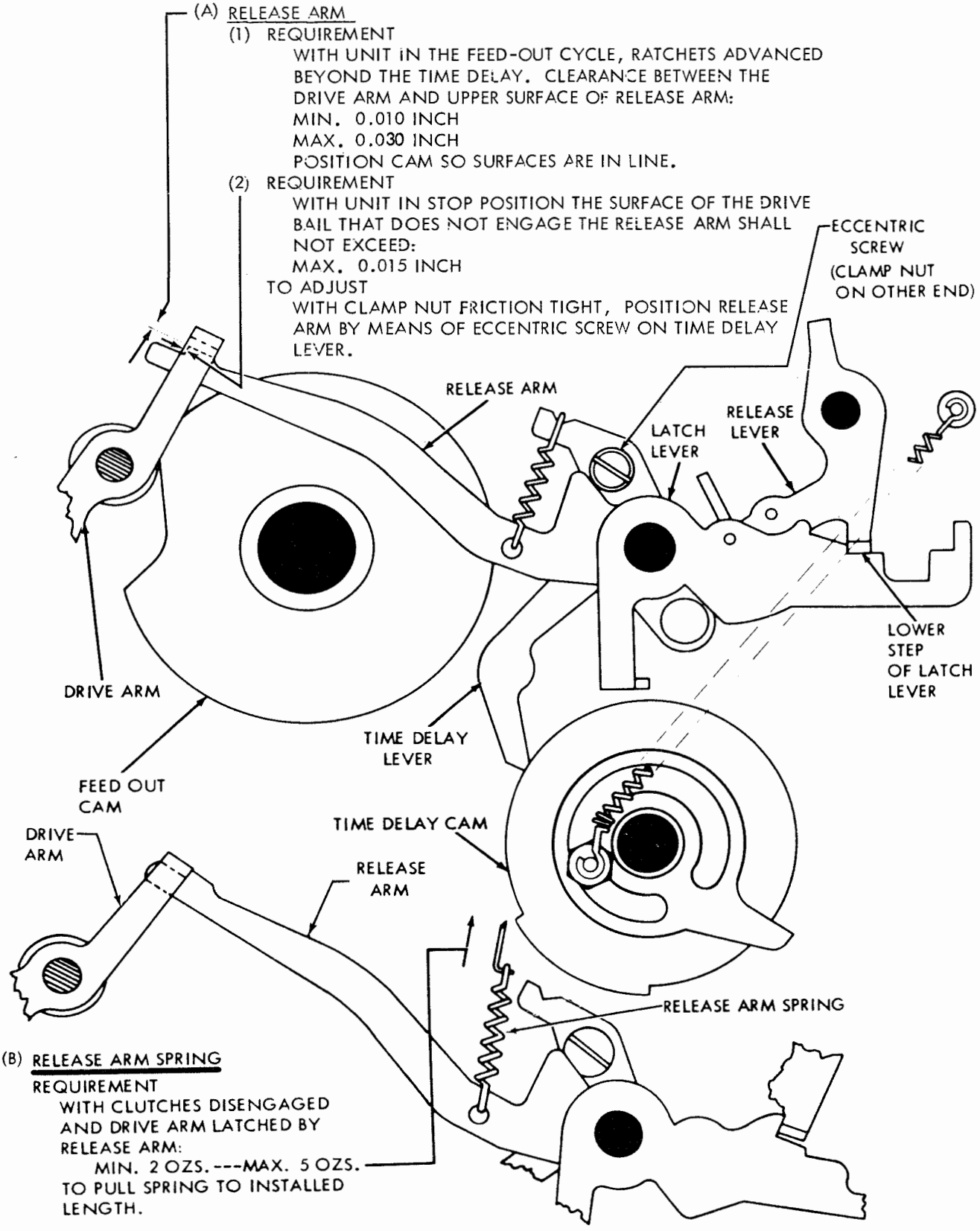


FIGURE 6-240F. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

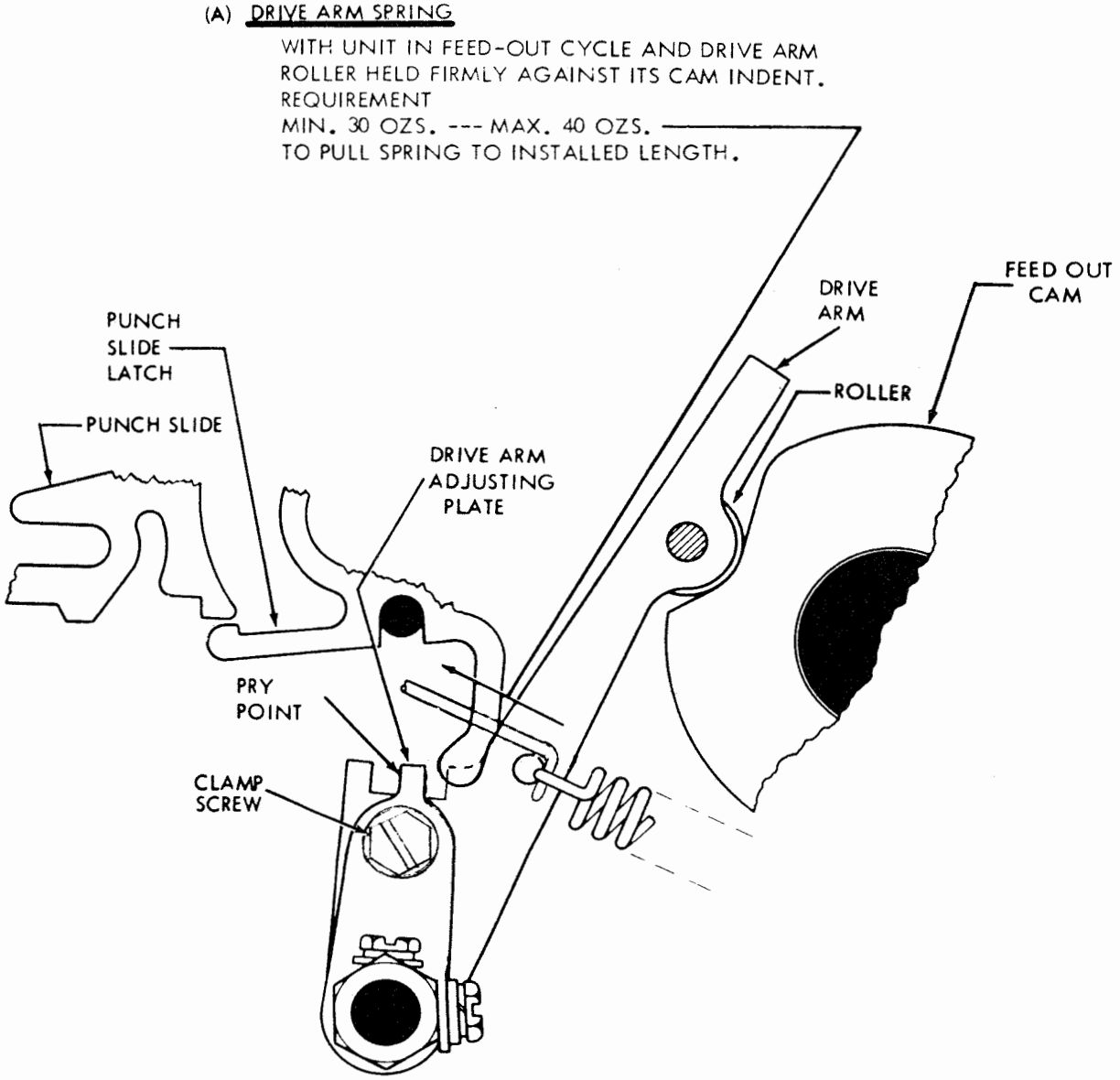


FIGURE 6-240G. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE OUT MECHANISM

(B) ADJUSTING LEVER
TO CHECK

PLACE UNIT IN FEED OUT CYCLE BY POSITIONING RELEASE LEVER ON LOWER STEP OF LATCH LEVER AND ADVANCING HIGH PART OF TIME DELAY CAM BEYOND TIME DELAY LEVER (AS SHOWN ON FIGURE 2-34). POSITION MAIN SHAFT SO THAT DRIVE ARM ROLLER IS ON LOW PART OF FEED OUT CAM.

REQUIREMENT
(1) MIN. 0.010 INCH --- MAX. 0.030 INCH BETWEEN RELEASE AND MAIN TRIP LEVER.
(2) SOME CLEARANCE BETWEEN MAIN TRIP LEVER AND DOWNSTOP BRACKET.

TO ADJUST
LOOSEN THE CLAMP SCREW ON THE ADJUSTING LEVER AND POSITION MAKING SURE THE ADJUSTING LEVER RIDES FULLY ON THE SLIDE TRIP LEVER. TIGHTEN SCREW.

(A) FOLLOWER LEVER

REQUIREMENT
WITH FOLLOWER LEVER ON HIGH PART OF TRIP CAM:
(1) MIN. 0.010 INCH---MAX. 0.030 INCH BETWEEN RELEASE AND MAIN TRIP LEVER.
(2) SOME CLEARANCE BETWEEN MAIN TRIP LEVER AND DOWNSTOP BRACKET.

TO ADJUST
WITH LOCK NUT LOOSENED, POSITION ADJUSTING ARM BY MEANS OF PRY POINT.

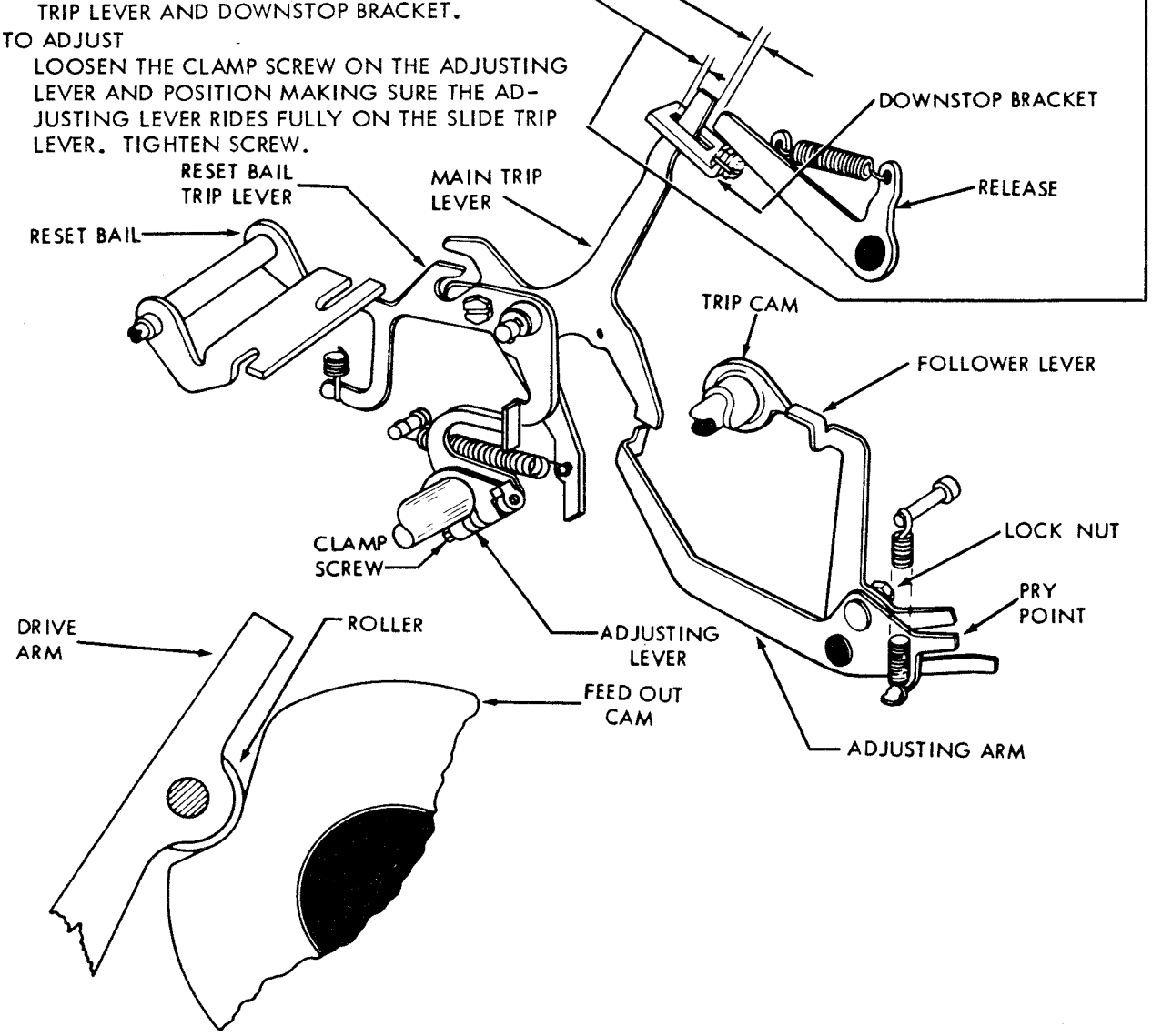


FIGURE 6-240H. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

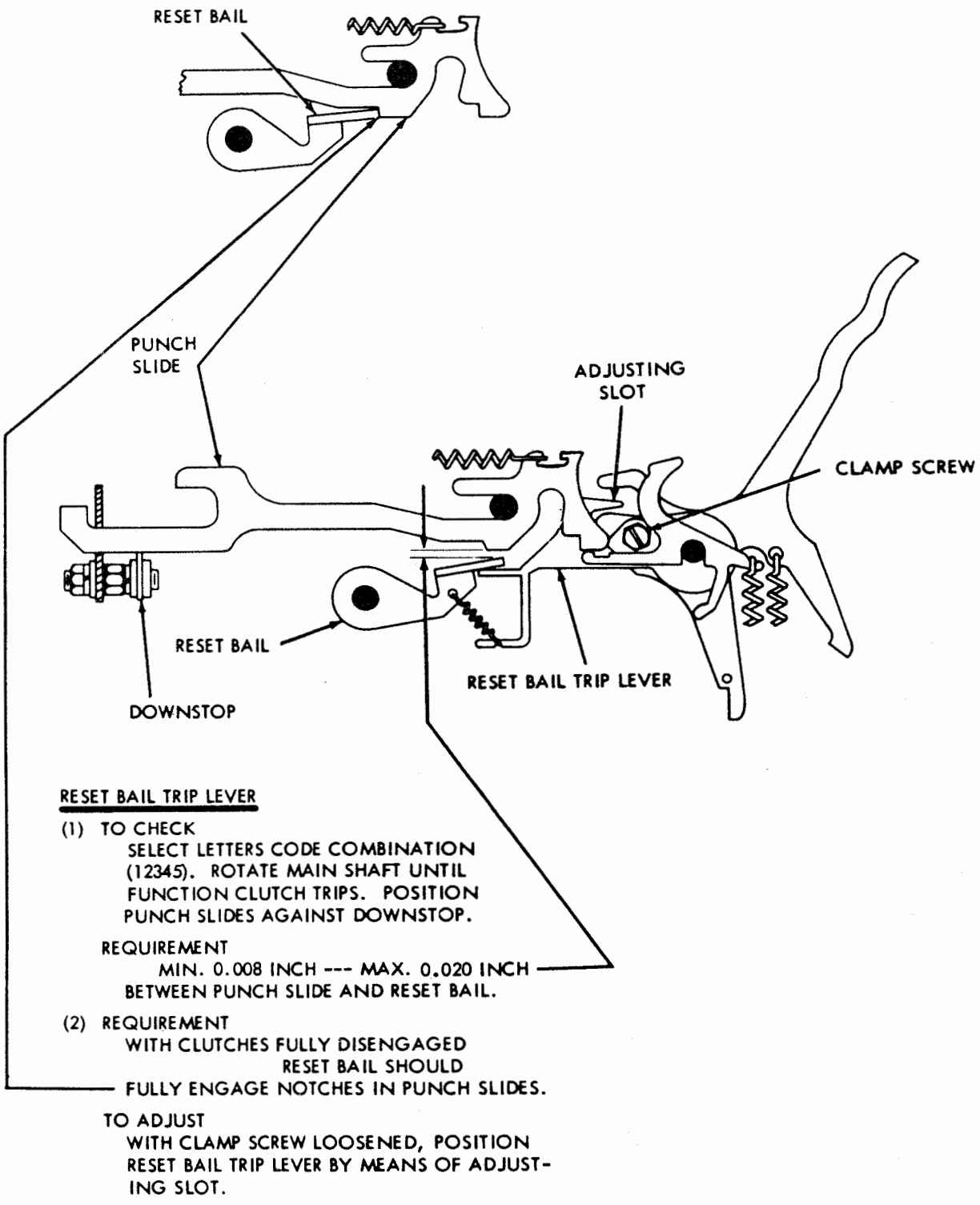
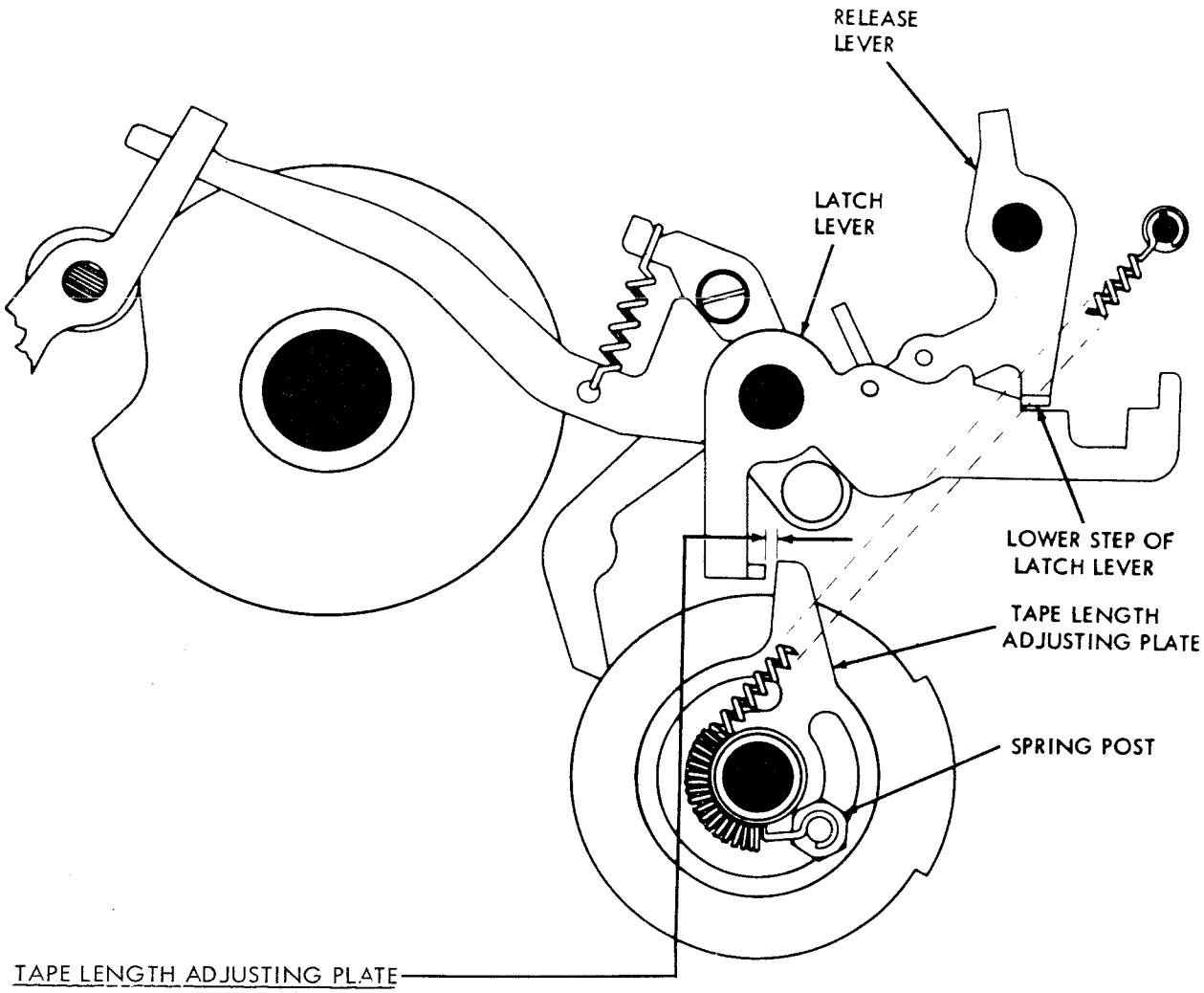


FIGURE 6-2401. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE OUT MECHANISM



NOTE

AMOUNT OF TAPE FED OUT CAN BE SET FOR ANY LENGTH UP TO 18 INCHES.

(1) REQUIREMENT

PLACE UNIT IN FEED OUT CYCLE BY POSITIONING RELEASE LEVER ON LOWER STEP OF LATCH LEVER. MANUALLY ADVANCE RATCHETS SO THAT FRONT RATCHET IS IN THE TOOTH PRECEDING TRIP OFF. ROTATE MAIN SHAFT UNTIL FEED PAWL IS IN THE EXTREME LEFT POSITION. CLEARANCE BETWEEN ADJUSTING PLATE AND LATCH LEVER PROJECTION:
MIN. 0.002 INCH
MAX. 0.020 INCH

(2) REQUIREMENT

WHEN OPERATING UNDER POWER, UNIT SHOULD FEED OUT CORRECT LENGTH OF TAPE.

TO ADJUST

WITH SPRING POST FRICTION TIGHT. POSITION ADJUSTING PLATE.

FIGURE 6-240J. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

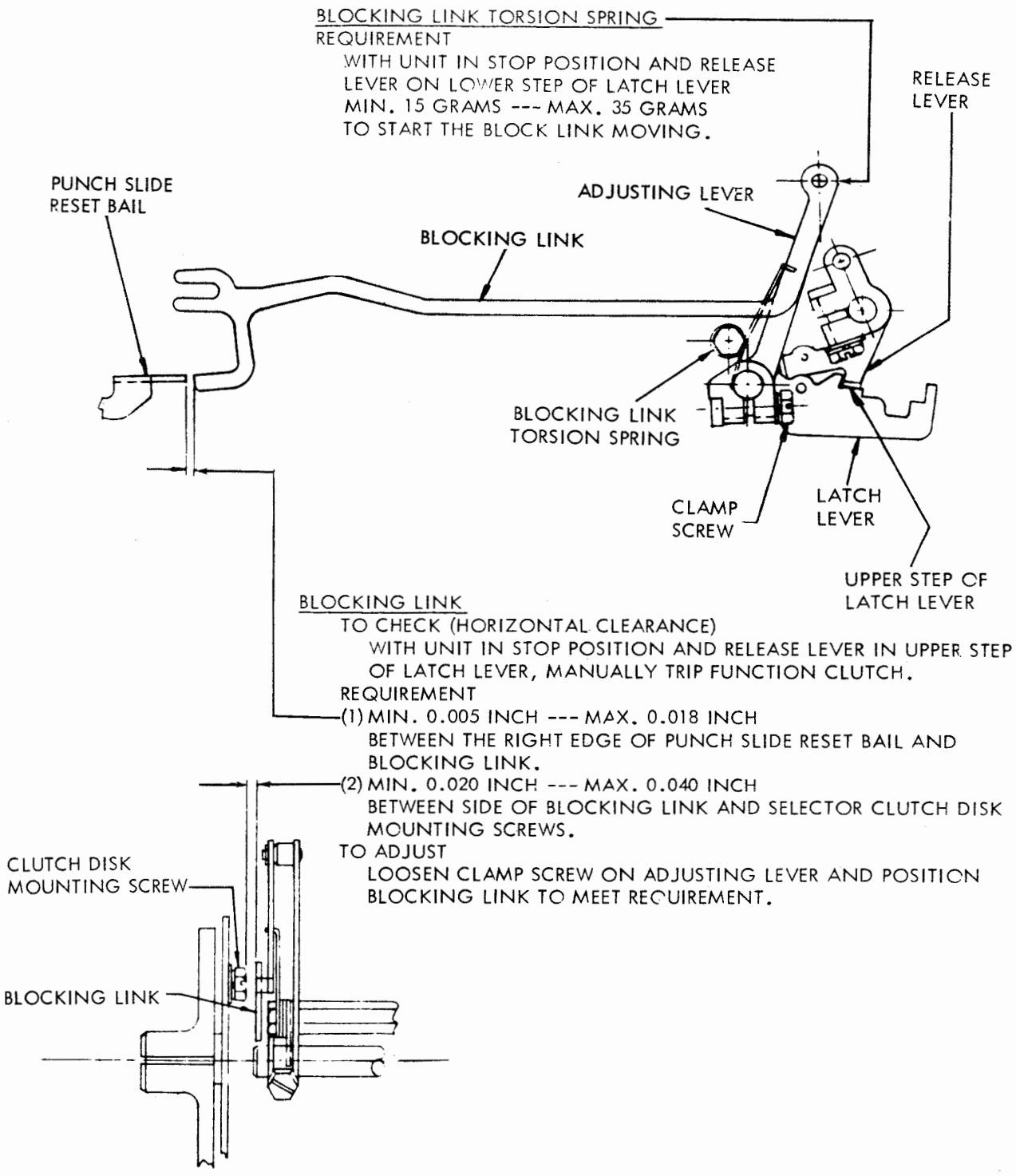
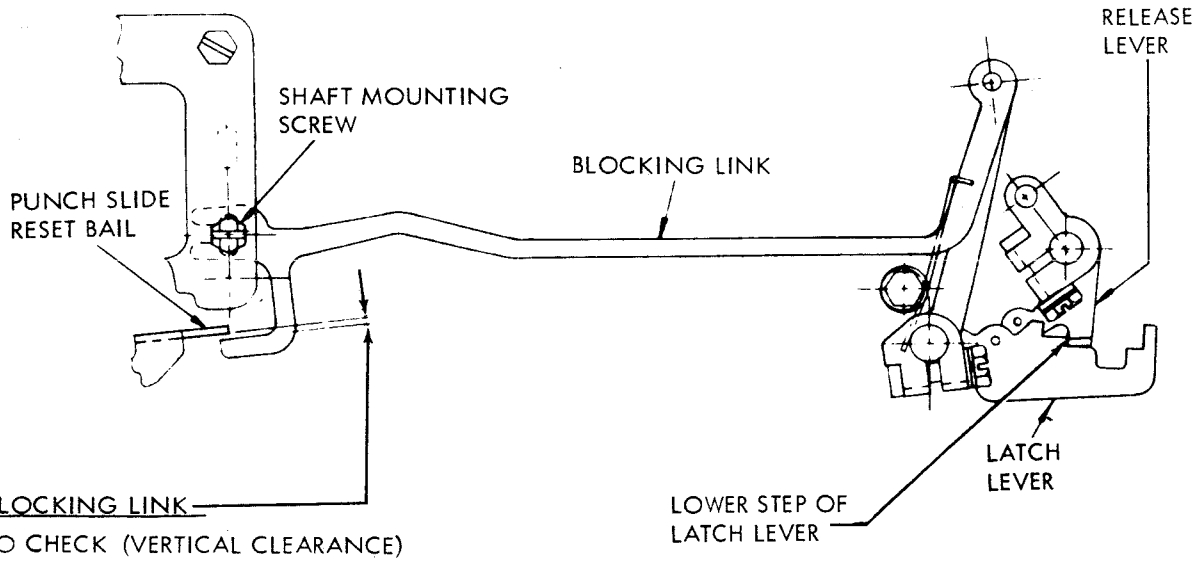


FIGURE 6-240K. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE OUT MECHANISM



BLOCKING LINK

TO CHECK (VERTICAL CLEARANCE)
WITH UNIT IN STOP POSITION AND RELEASE LEVER ON LOWER STEP OF LATCH LEVER.

REQUIREMENT
MIN. 0.005 INCH --- MAX. 0.018 INCH
VERTICAL CLEARANCE BETWEEN PUNCH SLIDE RESET BAIL AND BLOCKING LINK.

TO ADJUST
LOOSEN BLOCKING LINK SHAFT MOUNTING SCREW AND POSITION SHAFT TO MEET REQUIREMENT.

RESET BAIL TRIP LEVER SPRING

TO CHECK
DISENGAGE BOTH CLUTCHES. TRIP FUNCTION CLUTCH BY PIVOTING MAIN TRIP LEVER COUNTERCLOCKWISE HOLD RESET BAIL TRIP LEVER UP AGAINST RESET BAIL.

REQUIREMENT
MIN. 18 OZS. ---MAX. 24 OZS. TO PULL SPRING TO INSTALLED LENGTH.

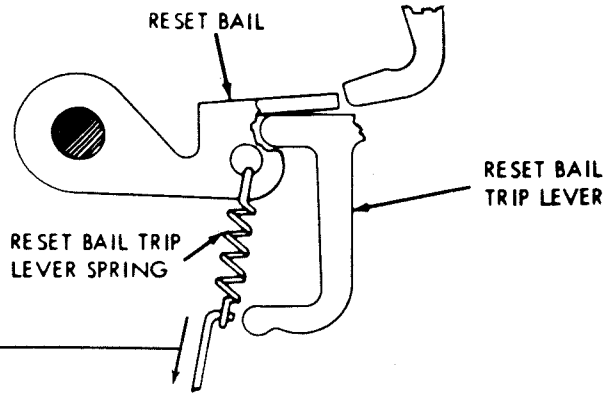


FIGURE 6-240L. TYPING REPERFORATOR TT-375/UG, REMOTE CONTROL NON-INTERFERING BLANK TAPE FEED-OUT MECHANISM

12. END OF FEED-OUT TIMING CONTACT FOR NON-INTERFERING LETTERS AND BLANK FEED-OUT MECHANISMS.

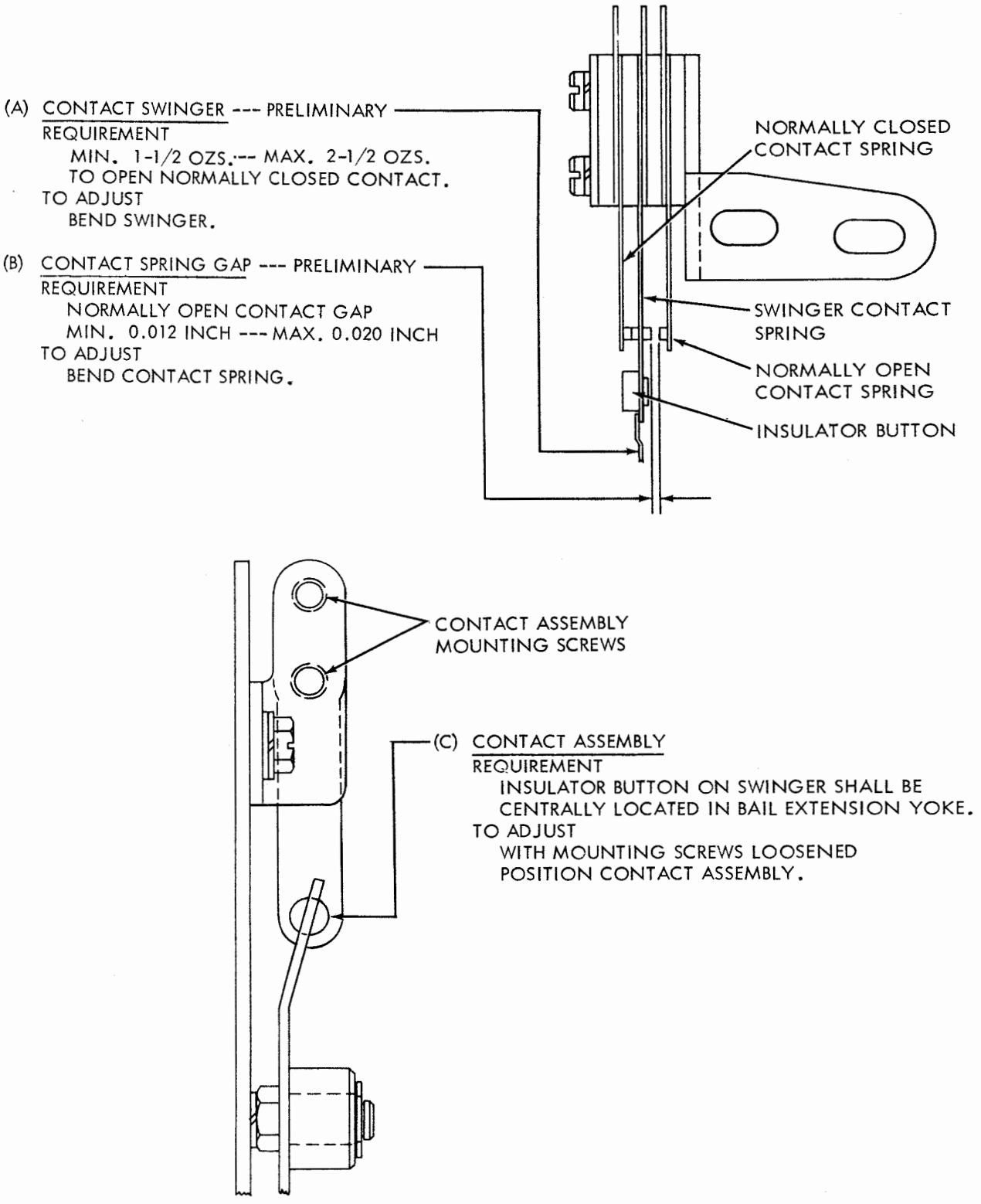


FIGURE 6-240M. TYPING REPERFORATOR TT-375/UG, END OF FEED-OUT TIMING CONTACT FOR NON-INTERFERING LETTERS AND BLANK FEED-OUT MECHANISMS

END OF FEED-OUT TIMING CONTACT FOR NON-INTERFERING LETTERS AND BLANK FEED-OUT MECHANISMS.

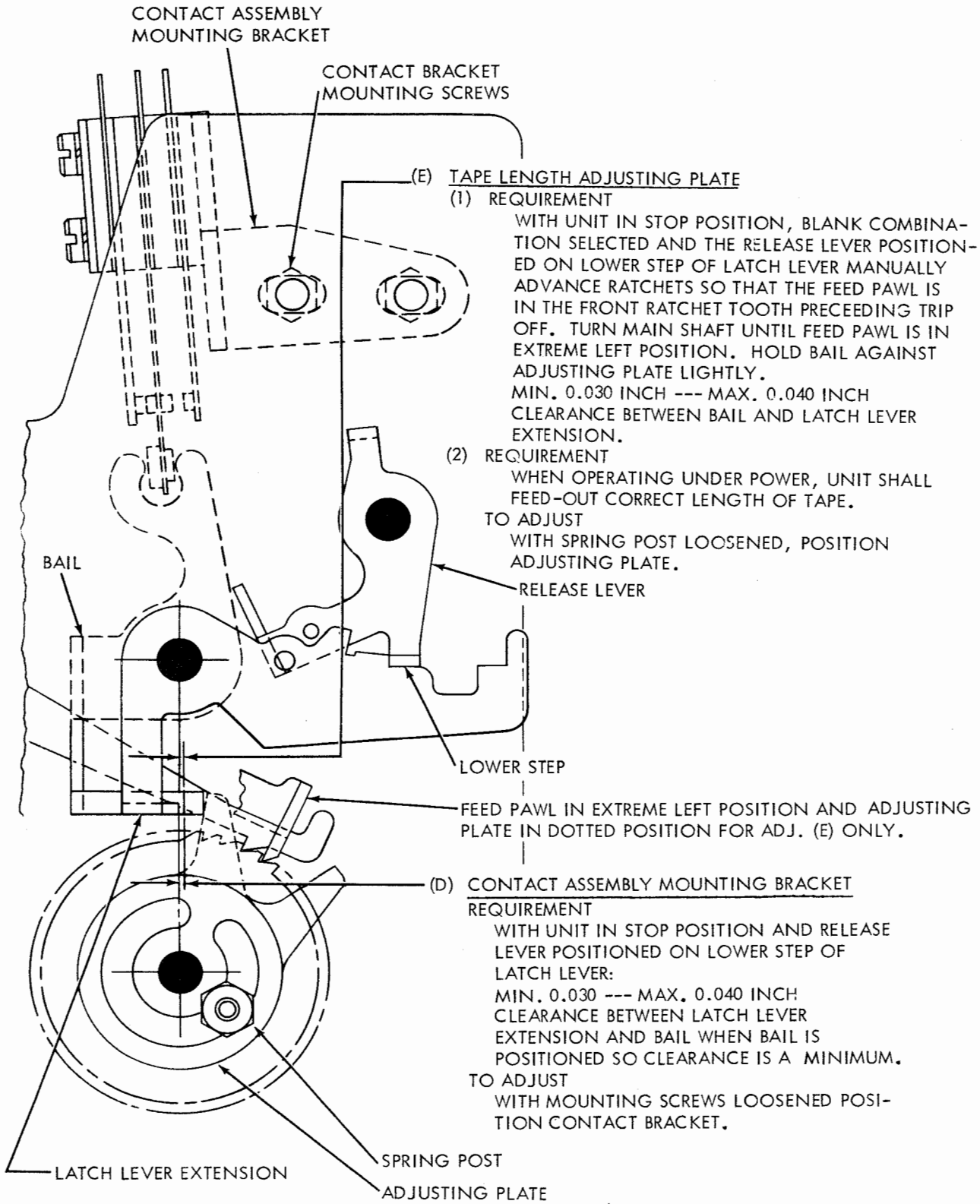
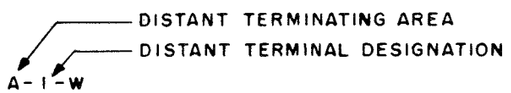


FIGURE 6-240N. TYPING REPERFORATOR TT-375/UG, END OF FEED-OUT TIMING CONTACT FOR NON-INTERFERING LETTERS AND BLANK FEED-OUT MECHANISMS

NOTES:

1. WIRING LEGEND:

2. COLOR CODE:

BK-BLACK	W-BK-WHITE-BLACK
BR-BROWN	W-BR-WHITE-BROWN
R-RED	W-R-WHITE-RED
O-ORANGE	W-O-WHITE-ORANGE
Y-YELLOW	W-Y-WHITE-YELLOW
G-GREEN	W-G-WHITE-GREEN
BL-BLUE	W-BL-WHITE-BLUE
P-PURPLE	W-P-WHITE-PURPLE
S-SLATE	W-S-WHITE-SLATE
W-WHITE	

3. CONNECTORS VIEWED FROM SOLDER TERMINAL ENDS

4. ALL CONTACTS SHOWN IN UNOPERATED POSITION.

5.

6. THE NUMBERS ENCLOSED BY PARENTHESES ARE USED FOR REFERENCE AND ARE NOT NECESSARILY SHOWN ON THE PARTS.

7. UNIT EQUIPPED WITH 262 COIL ASSEMBLY (RESISTANCE 210Ω EACH). THE OPERATING CURRENT MUST BE 50 MA. 120 V DC. FOR EXTERNAL PULSING.

   FOR 110V AC. NON-PULSING OPERATION, RELOCATE STRAP ON TERMINAL (1) TO TERMINAL (2). ADD STRAP BETWEEN TERMINALS (1) AND (4) FOR PARALLEL OPERATION OF MAGNETS.

8. TERMINAL NO. 21 ON CONNECTOR E IS RESERVED FOR POLAR SIGNAL.

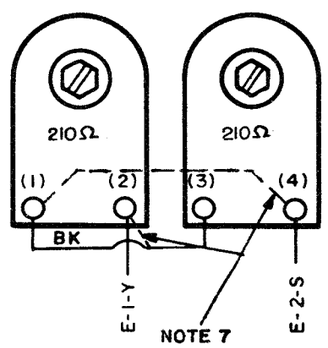
9. STRAP WITH # 22 GAUGE WIRE AS INDICATED.

10. FOR PROPER R.F. FILTERING, POLARITY OF FILTERS MUST BE MAINTAINED. UNIT AS FURNISHED IS WIRED FOR "MARKING" CONTACT POSITIVE (+) "SPACING" CONTACT NEGATIVE (-). TO REVERSE POLARITY OF CONTACTS SO THAT THE "MARKING" CONTACT IS NEGATIVE (-) AND "SPACING" POSITIVE (+), MAKE THE FOLLOWING CONNECTIONS IN CONTACT BOX ASSEMBLY

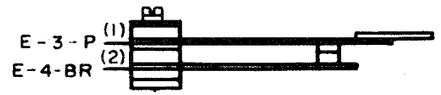
    1. MOVE BLACK LEAD OF BOTTOM FILTER FROM "MARKING" CONTACT TO "SPACING" CONTACT.

    2. MOVE GREEN LEAD OF TOP FILTER FROM "SPACING" CONTACT TO "MARKING" CONTACT.

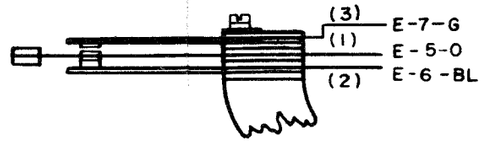
A
TRANSMITTER DISTRIBUTOR CLUTCH MAGNETS



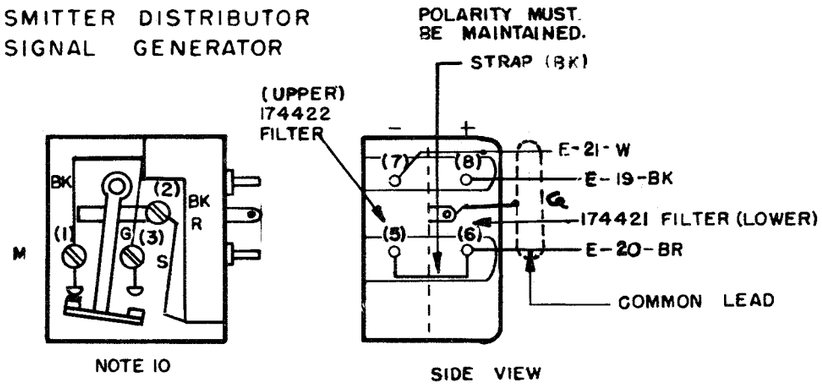
B
CONTROL LEVER CONTACT ASSEMBLY



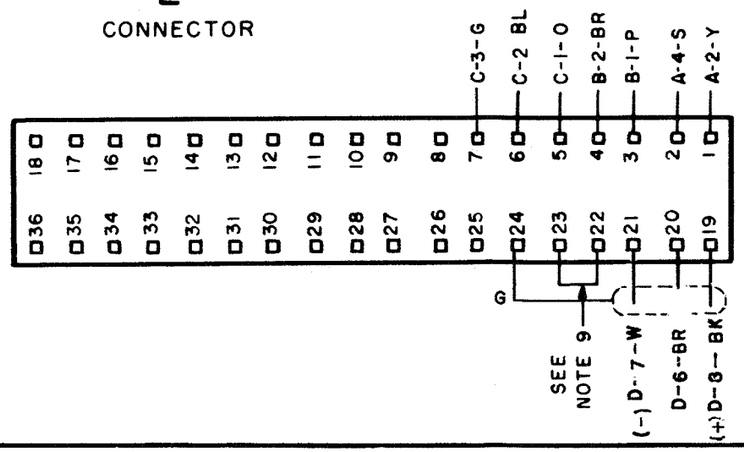
C
TAPE — OUT CONTACT ASSEMBLY



D
TRANSMITTER DISTRIBUTOR SIGNAL GENERATOR



E
CONNECTOR



4264WD		
ISSUE	DATE	AUTH NO
A	9-24-60	CC 94
B	11-18-60	CC-182
C	5-16-62	73431

ACTUAL WIRING DIAGRAM
MODEL 28 TRANSMITTER DISTRIBUTOR LXD II

APPROVALS	
D AND R	E OF M

E-NUMBER

PROD. NO. 4264 WD

DATE 6-8-60

P.D. FILE 18-A.65-2.219 A

DRAWN. WPH | CHKD.

ENGD. DCL | APPD.

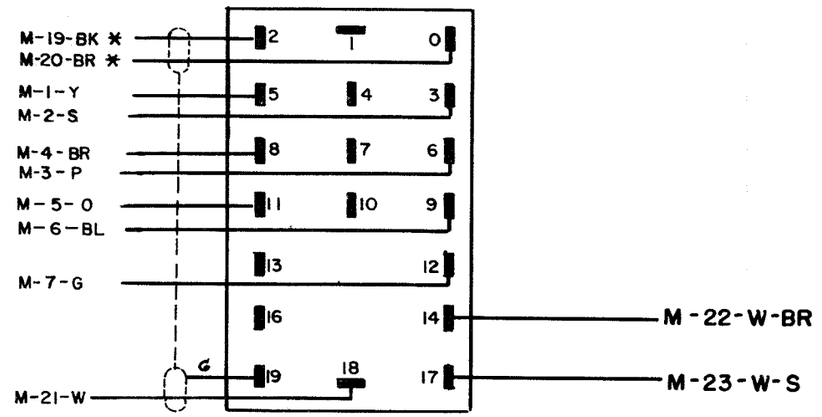
TELETYPE CORPORATION

4264WD

NO.	NOTES
1.	WIRING LEGEND A-1-W A = DISTANT TERMINAL AREA 1 = DISTANT TERMINAL DESIGNATED W = WIRE COLOR
2.	COLOR CODE: BK BLACK, BR BROWN Y YELLOW, S SLATE P PURPLE, O ORANGE BL BLUE, W WHITE
3.	CONNECTIONS VIEWED FROM SOLDER TERMINAL ENDS.
4.	ASSOCIATED CABLE 173448
5.	ASSOCIATED SCHEMATIC WIRING DIAGRAM 4275WD
6.	(*) ASTERISK INDICATES 3 WIRE SHIELDED CABLE.

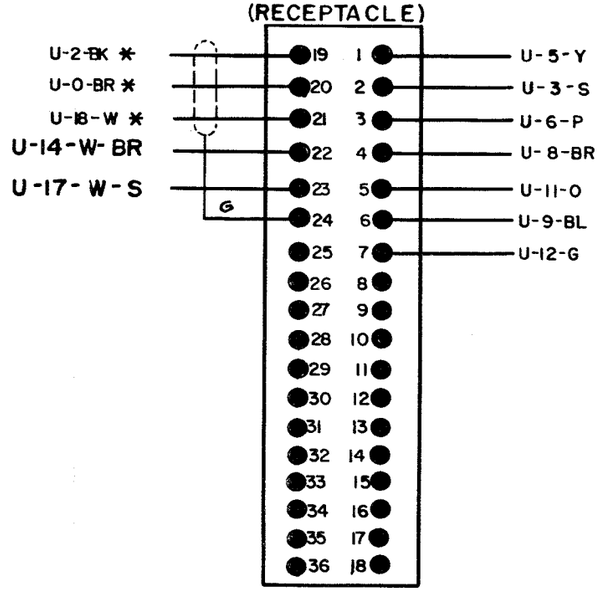
U

TRANSMITTER BASE CONNECTOR (PLUG)



M

TRANSMITTER CONNECTOR (RECEPTACLE)



4265 WD

ISSUE	DATE	AUTH. NO.
A	9-28-60	CC-106
B	11-18-60	CC-182
C	1-2-62	72026

ACTUAL WIRING DIAGRAM FOR LCXB13

APPROVALS

D AND R	E OF M
O.A.L.	

E-NUMBER

PROD. NO. 4265WD

DATE: 6-23-60

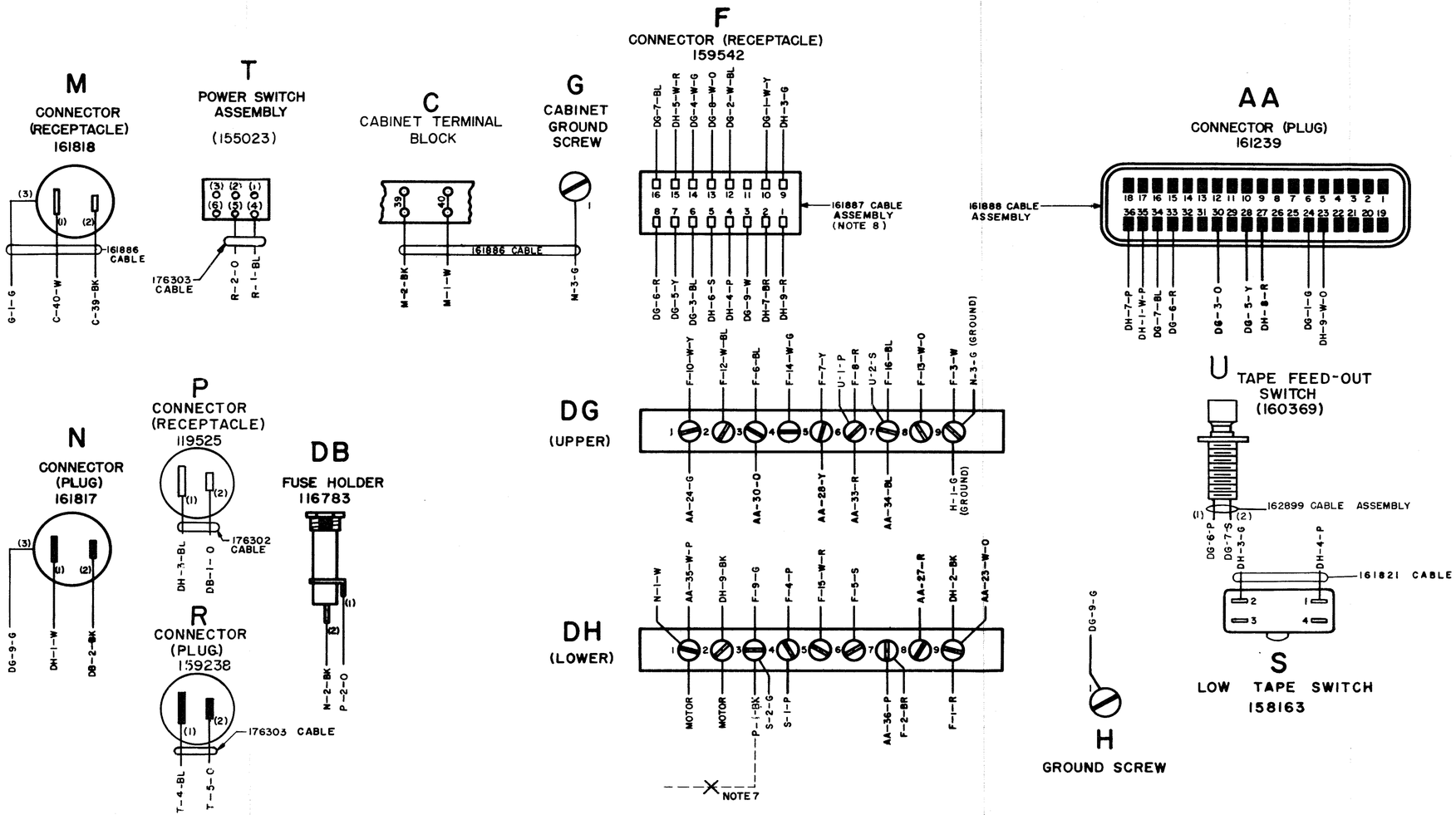
P.D. FILE NO. 18-A65/2.219A

DRAWN. N.K.G.	CHKD.
ENGD. D.C.L.	APPD.

TELETYPE CORPORATION

4265 WD

NO.	NOTES
1.	WIRING LEGEND: DISTANT TERMINATING AREA DISTANT TERMINATING DESIGNATION WIRE COLOR CODE AB—2—W
2.	COLOR CODE: BK—BLACK W—BK WHITE—BLACK BR—BROWN W—BR WHITE—BROWN R—RED W—R WHITE—RED O—ORANGE W—O WHITE—ORANGE Y—YELLOW W—Y WHITE—YELLOW G—GREEN W—G WHITE—GREEN BL—BLUE W—BL WHITE—BLUE S—SLATE W—S WHITE—SLATE P—PURPLE W—P WHITE—PURPLE W—WHITE
3.	ALL CONNECTORS VIEWED FROM SOLDER END.
4.	TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.
5.	FOR SCHEMATIC WIRING DIAGRAM SEE 3591WD.
6.	ASSOCIATED CABLE ASSEMBLIES 161886, 161887, 161888, 176302 AND 176303
7.	MAKE THIS CONNECTION BY (SPLICE, SOLDER, AND TAPE) BLACK LEAD FROM 161887 CABLE ASSEMBLY AND BLUE LEAD FROM 176302 CABLE ASSEMBLY.
8.	TIE BLACK JUMPER WIRE BACK IN CABLE.



4447WD

REVISIONS

ISSUE	DATE	AUTH. NO.
A	11-10-61	71599

APPROVALS

D AND P	E OF M

E-NUMBER

PROD. NO. 4447WD

ACTUAL WIRING DIAGRAM MODEL 28 ~~REPERFORATOR~~ BASE LRB36

DATE:

P.D. FILE NO. 8-A65AA

DRAWN: G F M CHKD. JGS

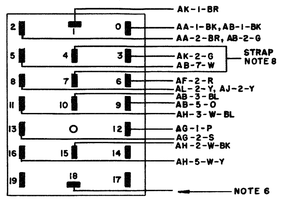
ENGD. D.A.K. APPD. EGC

TELETYPE CORPORATION

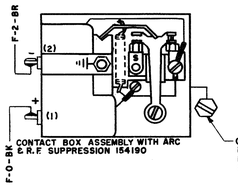
4447WD

NO.	NOTES
1.	WIRING LEGEND: DISTANT TERMINATING AREA; DISTANT TERMINAL DESIGNATION; A-1-W-BL; WIRE COLOR CODE
2.	COLOR CODE: BK — BLACK; BR — BROWN; R — RED; O — ORANGE; Y — YELLOW; G — GREEN; BL — BLUE; P — PURPLE; W — WHITE; S — SLATE
3.	UNIT WIRED FOR 115 VOLTS 50-60 ~ AC POWER INPUT.
4.	CONNECTORS VIEWED FROM SOLDER TERMINAL ENDS.
5.	ALL CONTACTS SHOWN IN UNOPERATED POSITION IN KEYBOARD.
6	SPARE TERMINAL OF F-18 RESERVED FOR POLAR OPERATION OF KEYBOARD SIGNAL GENERATOR.
7.	ASSOCIATED CABLES. 158224 CABLE ASSEMBLY, AUXILIARY; 158249 CABLE ASSEMBLY, KEYBOARD; 155992 CABLE ASSEMBLY, BACK SPACE; 159343 CABLE ASSEMBLY, BACK SPACE MAGNET; 179362 CABLE ASSEMBLY, SYNC. PULSE
8.	BARE WIRE STRAP 39522 RM.
9.	PART OF ASSOCIATED UNIT (LPE, LPR, LRPE, OR LTPE)
10.	UNCOIL, ROUTE, AND CONNECT 179362 CABLE TO TWO OPEN CABINET TERMINALS, TYING UP ANY SLACK.

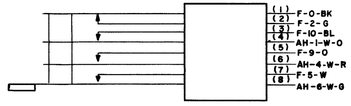
F
KEYBOARD CONNECTOR MALE



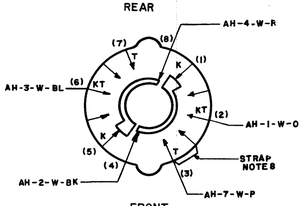
AA
KEYBOARD SIGNAL GENERATOR



AB
LOCK BAR SWITCH (SEND-REC. POSITION)

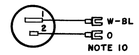


AC
AUXILIARY SWITCH

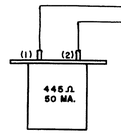


AD
SYNC. PULSE CONNECTOR MALE

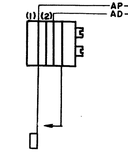
AE
FEMALE



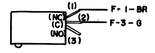
AP
CLUTCH TRIP MAGNET



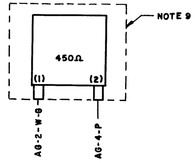
AQ
CLUTCH TRIP SWITCH



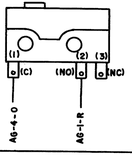
AK
SIGNAL LINE BREAK KEY SWITCH



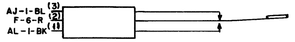
AM
BACK-SPACE MAGNET



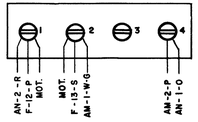
AN
BACK-SPACE SWITCH



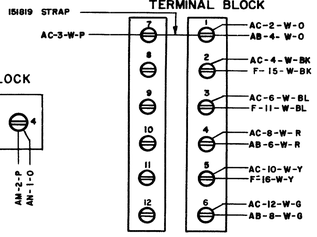
AF
END-OF-LINE OR MARGIN INDICATOR SELECTOR SWITCH



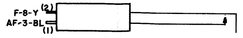
AG
MOTOR TERMINAL BLOCK



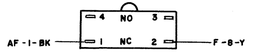
AH
KEYBOARD TERMINAL BLOCK



AJ
END-OF-LINE INDICATOR SWITCH



AL
MARGIN INDICATOR SWITCH



4927 WD

REVISIONS

ISSUE	DATE	AUTH. NO.

ACTUAL WIRING DIAGRAM MODEL 28 KEYBOARD BASE LAK 31

DATE: 12-15-61
P.D. FILE NO. 4927 WD
DRAWN R.L.W | CHKD.
ENGD. E.F.D | APPD.

TELETYPE CORPORATION

4927 WD