

37 TYPING REPERFORATOR  
DISASSEMBLY AND REASSEMBLY

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1. GENERAL

1.01 This section provides the disassembly and reassembly procedures for the major components of the 37 typing reperforator (Figures 1 and 2).

**CAUTION: REMOVE ALL POWER FROM SET OR UNIT BEFORE REMOVING ANY COMPONENTS.**

1.02 References to left, right, front, rear, etc, consider the typing reperforator to be viewed from a position where the ribbon feed mechanism is at the top and the selector mechanism is to the viewer's right.

1.03 Disassembly and reassembly, as outlined in this section, covers the procedure for removing and replacing the principle subassemblies which make up the unit. If a further breakdown of the unit is required, refer to the detailed parts section; where it will help in determining their location, the numbers of the parts are given in the instructions.

1.04 If a part that is mounted on shims is removed, the number of shims used at each of its mounting screws should be noted so that the same shim pile-up can be replaced when the part is remounted.

1.05 Retaining rings are made of spring steel and have a tendency to release suddenly. To avoid the loss of these rings when removing them, proceed as follows:

- (a) Hold the retaining ring to prevent its rotating.
- (b) Place the blade of a screwdriver into one of the slots in the ring and turn the screwdriver to increase the diameter.
- (c) Ring will come off easily in fingers without flying.

1.06 All damaged, worn, or distorted parts should be replaced if encountered in the disassembly and reassembly procedures.

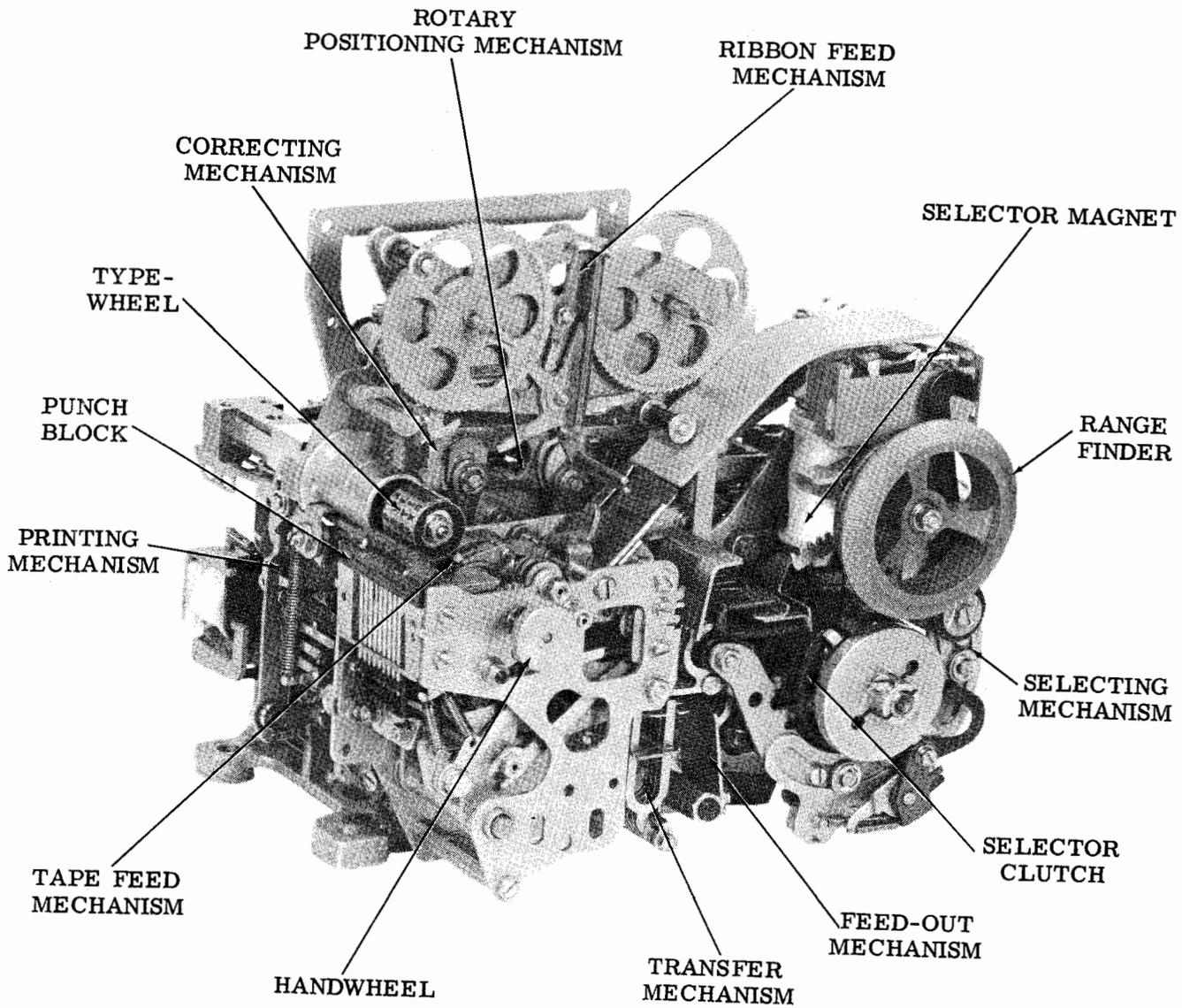
2. DISASSEMBLY AND REASSEMBLY

2.01 In removing a subassembly from the unit, the procedure followed and the location from which parts are removed must be carefully noted so that replacement can be done correctly. When replacing a component, be sure to check all associated adjustments, clearances and spring tensions.

2.02 Unplug the connecting cable at the rear of the unit. Remove the three casting mounting screws, lockwashers, flat washers and belt. Remove the typing reperforator from the base.

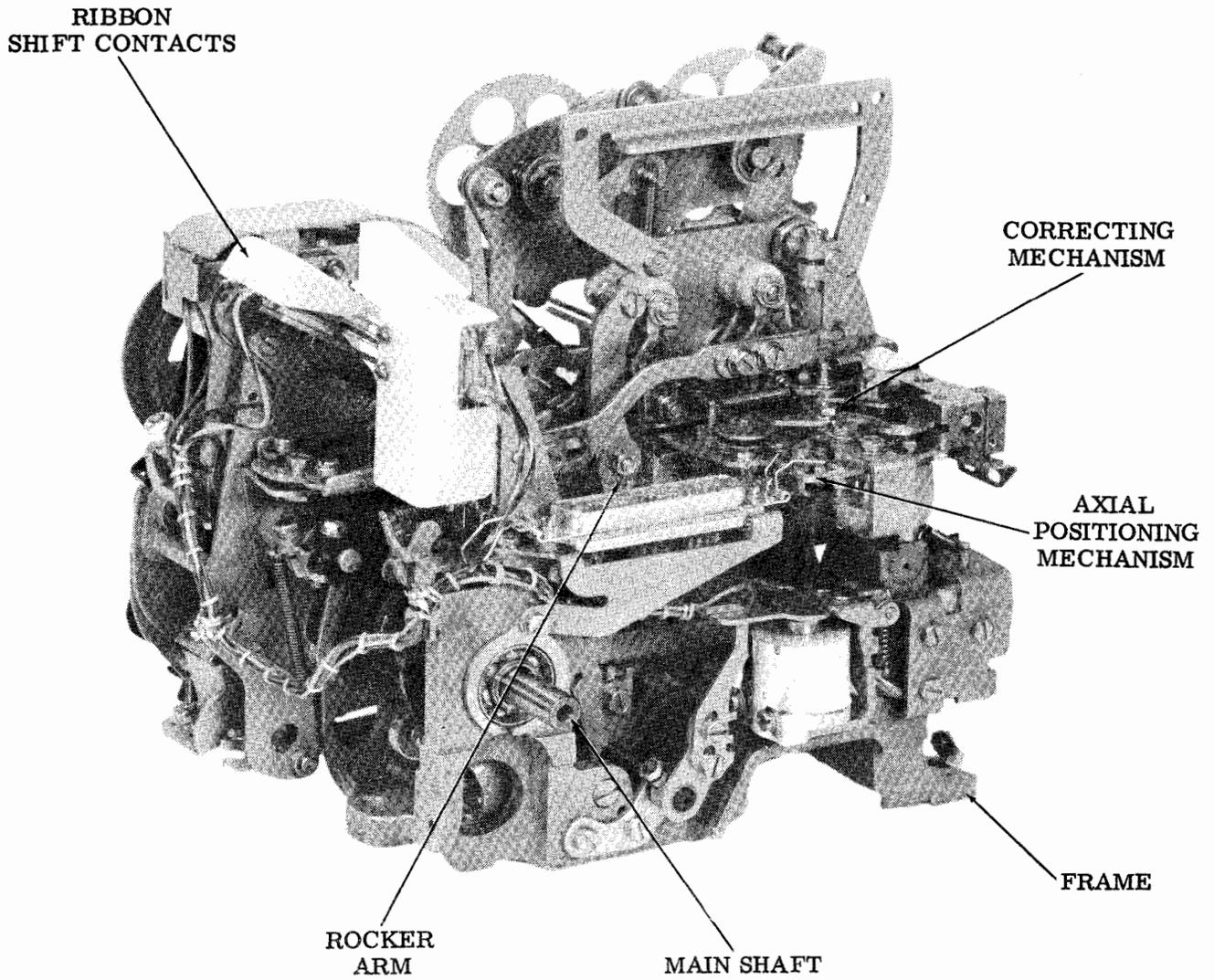
SELECTOR MECHANISM

2.03 Remove the screw, nut, and lockwasher that secure the TP150001 selector clutch drum to the main shaft. Place the TP306118 push lever reset bail in its raised position.



(Left and Front View)

Figure 1 - 37 Typing Reperforator



(Right Rear View)

Figure 2 - 37 Typing Reperforator

## SECTION 574-330-702TC

2.04 Push the TP312924 mark locklever to the left and insert a pin in the hole provided on the lever extension so that the lever is held away from the cam by the TP306115 mark locklever guide bracket.

2.05 Hold the TP312974 space locklever and the TP306127 start lever to the left and slip the TP312935 cam sleeve assembly off the shaft while rotating it in a counterclockwise direction.

Note: To replace the cam sleeve reverse the above steps, but still rotate cam in a counterclockwise direction. When the sleeve is almost fully in place, pull the trip lever and selector clutch latchlever away from their respective cams to facilitate replacement.

2.06 Unhook the spring on the TP150355 function clutch latchlever. Remove the TP156472 spring post by removing its locknut and lockwasher. Remove the TP151442 selector backplate screw. Remove the TP153538 screw and its associated washer that mounts the left leg of the tape platform. The selector mechanism can now be taken off.

### RIBBON FEED MECHANISM

2.07 Remove the ribbon. Remove the two mounting screws that mount the ribbon feed mechanism plate. Remove the ribbon feed mechanism.

### PERFORATOR MECHANISM

2.08 Remove the spring from the TP192709 perforator drive link and the TP170211 rocker arm.

2.09 Remove the TP76422 trip lever spring. Remove the two TP151442 mounting screws and one TP1248 flat head screw that fasten the TP324314 rear plate to the main plate. Remove the perforator mechanism, being careful not to lose any of the spacers.

### TRANSFER MECHANISM

2.10 Remove the TP151631 and TP151632 mounting screws (with lockwashers and flat washers) from the TP192820 transfer mounting bracket. Remove the transfer mechanism.

### TYPING MECHANISM

2.11 Remove the TP324236 pushbar operating blade from the TP195235 rocker bail by removing its two screws, lockwashers, shims, and flat washers. Remove the TP159512 print hammer trip link after removing its TP119651 retaining ring and spring.

2.12 Remove the TP154638 accelerator spring from the print hammer accelerator. Remove one TP3870 and one TP324284 spring and a retaining ring from the TP156413 corrector drive link. Remove the TP159536 rotary rack idle gear, its eccentric shaft, mounting screw and lockwasher.

2.13 Remove the screw, lockwasher and flat washer that holds the TP324277 bellcrank pivot shaft to the main plate. Remove the screw and lockwasher that mount the TP159525 axial plate to the post. Remove the three screws, lockwashers, and flat washers that mount the typing assembly to the casting. The typing unit can now be removed.

### ROCKER BAIL ASSEMBLY

2.14 Disconnect the TP156937 printing drive link by removing the retaining ring at its left end. Remove the TP3598 nut, lockwasher, flat washer, felt washer bushing, and TP151632 screw from the TP156871 operating blade mounting bail.

2.15 Remove the nut, lockwasher and TP334854 adjusting lever guide, then remove the TP156366 rocker bail shaft. The rocker bail can now be removed.

### MAIN SHAFT ASSEMBLY

2.16 Remove the spring from the function clutch latchlever. Remove the retaining ring, spring washer, and flat washers from the forward end of the TP324235 main shaft.

2.17 Remove the screw and lockwasher from the TP150000 function clutch drum. Pull the main shaft out of the rear of the unit.