

35 NONTYPING REPERFORATOR  
DISASSEMBLY AND REASSEMBLY

CONTENTS	PAGE
1. GENERAL . . . . .	1
2. DISASSEMBLY AND REASSEMBLY . . . . .	1
SLACK TAPE MECHANISM . . . . .	4
SELECTOR MECHANISM . . . . .	4
PERFORATOR MECHANISM . . . . .	4
ROCKER BAIL ASSEMBLY . . . . .	4
MAIN SHAFT ASSEMBLY . . . . .	4

1. GENERAL

1.01 This section provides disassembly and reassembly for the 35 Nontyping Reperforator unit (Figures 1 and 2). It is revised to include recent engineering changes, additions, and to rearrange the text. Since this is an extensive revision, marginal arrows ordinarily used to indicate changes have been omitted.

**CAUTION:** REMOVE POWER FROM SET OR UNIT BEFORE STARTING ANY DISASSEMBLY PROCEDURES.

1.02 The technician should refer to the exploded views found in the appropriate parts literature for an illustration of the mechanism to be disassembled, for location and visual identification of parts, and detailed disassembly and reassembly features.

1.03 Most maintenance, lubrication and adjustments can be accomplished simply by removing the subject component from the cabinet. If possible, disassembly should be confined to subassemblies, which can, in some cases, be removed without disturbing adjustments. When reassembling the subassemblies, be sure to check all associated adjustments, clearances and spring tensions.

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 when being removed. Loss of these retainers can be minimized as follows: Hold the retainer with the left hand to prevent it from rotating. Place the blade of a suitable screwdriver in one of the slots of the retainer. Rotate the screwdriver in a direction to increase the diameter of the retainer for removal.

1.06 Avoid loss of springs in disassembly by holding one spring loop with the left hand while gently removing the opposite loop with a spring hook. Do not stretch or distort springs in removing them.

1.07 Raise cabinet lid or enclosure cover (after removing the control panel bezel and copylight plug) and remove the typing unit from its base by removing the four screws that secure it to its keyboard or base. Remove the cable plug connector from the side frame. Lift the typing unit off.

**Note:** On sets equipped with a form supply container on the rear of the cabinet, rearward foot extensions should be in position on the cabinet. This prevents the cabinet from tilting when the typing unit is removed.

1.08 Assuming that the typing unit and keyboard base have been removed from the cabinet, remove the nontyping reperforator from the base as follows:

- (a) Disconnect the wires from the selector magnets.
- (b) Loosen the setscrews on the coupling located on the rear of the shaft. Slide the coupling and/or short shaft so as to disengage it. Remove the screw which fastens the TP170199 anchor bracket to the base. Remove the three screws which secure the reperforator to the base. Carefully lift the reperforator upward and tilt to one side.
- (c) Disconnect the wires from the backspace magnet, and remove the unit from the base.

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 reassembly can be done correctly. Where no specific instructions are given for reassembly, reverse the procedure used in removing it.

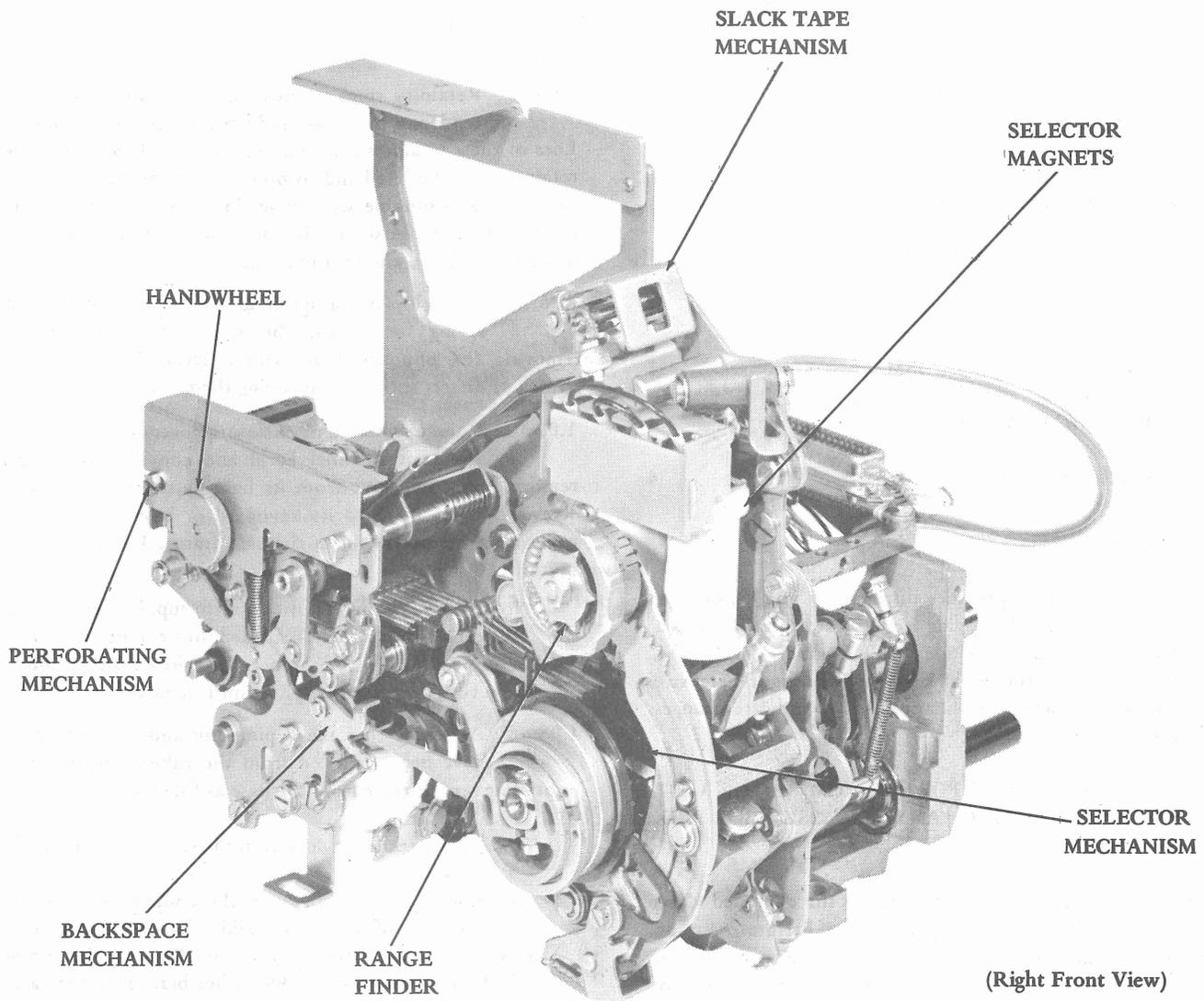


Figure 1 - 35 Nontyping Reperforator

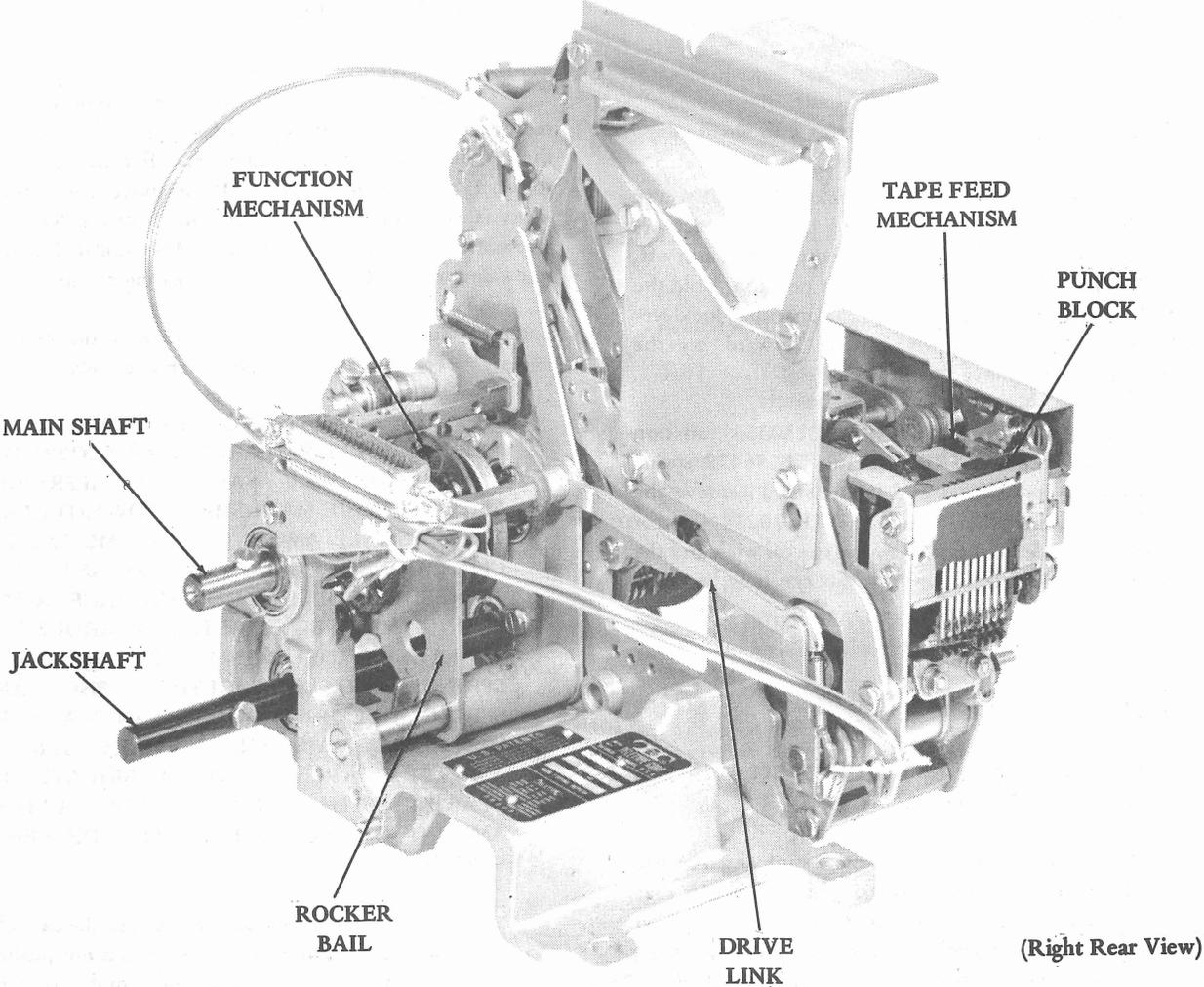


Figure 2 - 35 Nontyping Reperforator

SLACK TAPE MECHANISM

2.02 Remove two screws and lockwashers that secure the TP193966 bracket of the slack tape mechanism to the TP152400 selector mounting plate. Lift upwards on the slack tape mechanism to remove and to disengage the TP193974 tape depressor forked extension from the TP153239 roller.

SELECTOR MECHANISM

2.03 Remove the screw, nut and lockwasher that secure the selector clutch drum and the backspace eccentric hub to the main shaft. Lift eccentric drive arm off. Place the TP170238 reset bail in its raised position. Hold the TP170198 stop lever and the TP170236 marking locklever out of the way while slowly pulling forward on the cam-clutch until it is removed.

2.04 Unhook the spring on the TP150355 function clutch latchlever. Remove the TP156472 spring post by removing its locknut and lockwasher. Remove the screw and lockwasher that secure the TP170234 selector lever guide to the selector plate. Remove the oil wick and the oil wick holder. The selector mechanism can now be taken off.

PERFORATOR MECHANISM

2.05 Unhook the spring from the TP170211 rocker arm and the TP192709 drive link.

2.06 Remove the two screws and one stud which secure the perforator assembly to the TP156024 rear plate to the main plate. Remove perforator assembly. To remount the perforator assembly, reverse the procedure used to remove it. Make certain that the TP194162 reset bail fits in the fork of the reset bail trip lever.

ROCKER BAIL ASSEMBLY

2.07 To remove the rocker bail assembly, remove the nut, lockwasher and adjusting lever guide from the TP156366 shaft. Remove the shaft and the rocker bail assembly.

MAIN SHAFT ASSEMBLY

2.08 To remove the main shaft assembly after the selector cam-clutch has been removed (2.03), remove the spring from the TP150355 latchlever. Remove the retaining ring, spring washer, and flat washer from the forward end of the main shaft. Remove the screw and lockwasher from the TP150000 clutch drum. Remove the screw and lockwasher from the TP173340 collar. Remove the screw and lockwasher from the rear bearing clamp.

2.09 Pull the main shaft out toward the rear, while removing the function clutch and collar.

**CAUTION:** NOTE THE LOCATION OF MAIN SHAFT NEEDLE ROLLER BEARINGS AS SHOWN ON ILLUSTRATIONS OF PARTS IN APPROPRIATE SECTION. MOVE MAIN SHAFT TOWARD REAR OF UNIT A SMALL AMOUNT AT A TIME AND EXERCISE CARE NOT TO DROP OR CONTAMINATE THE 20 NEEDLE ROLLERS IN EACH RACE. A SMALL SPRING MAY BE STRETCHED AROUND THE SHAFT AND ROLLERS WITH THE ENDS OF THE SPRINGS HOOKED TOGETHER. THE GARTER SPRING WILL HOLD ROLLERS IN PLACE. WHEN REPLACING MAIN SHAFT, MAKE SURE THE ROLLERS ARE CLEAN. LUBRICATE RACE BEARINGS WITH OIL (KS7470). APPLY A LIBERAL AMOUNT OF OIL AT EACH END OF BEARING SLEEVE.

**Note:** When the main shaft is inserted in the cam-clutch, hold the latter firmly so that the drum is not pushed off the clutch. Compress the drum and cam disc together so that holes in the drum and clutch bearings are aligned.