

28 TYPING REPERFORATOR BASE

(RECEIVE ONLY AND KEYBOARD SEND AND RECEIVE)

DISASSEMBLY AND REASSEMBLY

1. GENERAL

1.01 The material in this section, together with the material in the teletypewriter disassembly and reassembly general information section, gives the complete disassembly and reassembly of the 28 typing reperforator base.

2. DISASSEMBLY AND REASSEMBLY

2.01 To Remove the Tape Container Assembly:

- (1) Where a tape-out switch is present, disconnect the plug from the electrical service unit.
- (2) Remove the two screws, lockwashers, and flat washers, that hold the assembly to the base.
- (3) Remove the tape container assembly.

2.02 To Remove the Signal Generator Assembly:

- (1) Remove the subcasting with the typing reperforator.
- (2) Remove the contact box cover, and disconnect the signal line leads from the contact terminals.
- (3) Remove the two screws at the front of the signal generator frame and the screw at the right rear of the frame, that fasten the frame to the base.
- (4) Lift the signal generator carefully, while holding the universal bail back so that the nonrepeat lever clears and its spring is not excessively stretched.

CAUTION: IF THE NONREPEAT LEVER GETS PULLED DOWN APPROXIMATELY 90 DEGREES FROM THE NORMAL POSITION, ITS SPRING MIGHT BE STRETCHED BEYOND ITS ELASTIC LIMITS, WHICH WILL CAUSE MALFUNCTION OF THE ASSEMBLY.

2.03 To Remove the Contact Box Assembly:

- (1) Remove the contact box cover and disconnect the signal line leads.
- (2) Unhook the driveline spring.

(3) Remove the two screws at the front of the front plate which hold the contact box assembly.

(4) Disengage the driveline from the transfer bail and lift off the assembly. It is more economical to replace an entire contact assembly if the contacts need replacement.

2.04 To Remove the Transfer Lever Locking Bail:

- (1) Remove the signal generator assembly from the keyboard (see 2.02).
- (2) Remove the contact box assembly (see 2.03).
- (3) Remove the transfer lever locking bail spring.
- (4) To remove the locking bail, trip the clutch and rotate the shaft until the cam is positioned so that the bail can be unhooked and dropped from its guide post. Turn the locking bail clockwise until it is at right angles to the guide, and extract it from the bottom of the frame.

Note: It may be necessary to move the shaft back and forth to position the cam for maximum clearance.

2.05 To Remove the Signal Generator Shaft Assembly:

- (1) Remove the transfer lever locking bail (see 2.04).
- (2) Remove the two screws which mount the clutch shaft rear mounting plate to the signal generator frame, and remove the nut which locks the shaft to the front of the frame.
- (3) Hold the clutch latchlever and the clutch stoplever away, and pull back on the shaft rear mounting plate to disengage the shaft from the front plate.
- (4) Remove the entire cam, clutch, and shaft assembly, by rotating it to clear the various transfer levers. The codebar bail eccentric follower, the felt washer, and the cam spacer will fall free. These must be repositioned before reassembly.

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(5) To take the cam (with clutch assembly) off the shaft, disengage the clutch by holding the clutch shoe lever against the stop lug and slide the cam and clutch off.

2.06 To Remove the Keylever Guide Plate:

(1) Remove the spacebar by unscrewing the two shoulder screws that fasten it to the spacebar bail.

(2) Remove the screw on the keylever guide plate under the spacebar and the two screws in the upper corners of the plate which hold the plate to the frame.

(3) Work the guide off the keytops and let them fall free.

Note: To replace the guide plate, flop all the keylevers to the rear. Place the front end of the guide plate on the frame and push the keylevers into their respective holes, starting with the bottom row and proceeding upward.

2.07 To Remove the Keyboard Lock Ball Channel:

(1) Remove the keylever guide plate (see 2.06).

(2) Remove the two channel mounting screws at the left and right ends.

(3) Pull the channel forward with caution to avoid dropping any of the 32 wedges that are located on the codelevers. Wedges must be replaced separately when reassembling. Avoid losing any of the 43 balls in the channel.

2.08 To Remove the Character Counter Assembly:

(1) Remove the two screws that hold the character counter bracket to the keyboard base.

(2) Raise the character counter and remove the two screws that hold the contact switch to the switch bracket. Remove the character counter assembly.