

INSTRUCTIONS FOR INSTALLING AND ADJUSTING THE
104994 SET OF PARTS TO PROVIDE TAPE BACK-
SPACE MECHANISM ON A MODEL 14 TYPING
REPERFORATOR (Serial Nos. 49376 and up)

1. GENERAL

a. The backspace mechanism is intended to enable the operator to backspace tape for the purpose of making corrections. It is operated by means of a backspace lever and a ribbon guide lever located at the front of the unit near the platen mechanism. These levers may be operated consecutively or simultaneously by the fingers of one hand. The backspace lever moves the tape backward one space for each operation, and the ribbon guide lever lifts the ribbon guide and ribbon away from the tape to provide visibility of the typed copy. This set of parts is arranged to be used on units with serial numbers above 49376. These units are equipped with a 96844 main bracket which was modified for the adoption of the backspace mechanism.

b. The 104994 Set of Parts consists of:

1	1010	Shoulder Screw (6-40)	1	102107	Tape Knife
2	1162	Screw (4-40 x 1/4 Fil)	*1	102108	Backspace Pawl
1	2421	Spring	1	102109	Ribbon Lifter
1	3640	Lock washer	1	102110	Stud
1	7965	Spring	1	102111	Feed Pawl
1	42661	Spring	1	102795	Ribbon Guide
*1	80478	Spring Post	1	110435	Nut (4-40 Hex)
1	92668	Post	1	111024	Punch Block Assembly
*1	102104	Backspace Lever	1	125011	Washer

c. For part numbers referred to other than those listed in the set of parts, see Model 14 Typing Reperforator Parts Bulletin.

2. INSTALLATION

a. Remove and discard the 81603 tape knife; retain the two 8543 screws and 2191 lock washer.

b. Remove and retain the 96840 feed roll bracket assembly together with its two 74986 screws, 2191 lock washers and the 95440 spacer. Remove and retain the 80757 screw and 2669 lock washer. When removing this assembly, the 73481 tape tension lever must be lifted to clear the feed roll pins.

c. Remove and discard the 95449 ribbon guide and the 102052 mounting screws but retain the 125011 (103-27) washers and 3640 lock washers.

d. Remove and discard the punch block assembly but retain the two 1026 mounting screws and 2191 lock washers.

e. Remove and discard the 95446 feed pawl but retain the 95447 eccentric bushing, 80444 screw, 2191 lock washer, and the 7603 feed pawl spring.

f. Remove and retain the 74554 spring post that anchors the 4705 detent lever spring.

g. Install the 74554 post (retained) in the tapped hole in front of the 95448 feed pawl spring post hole to anchor the 7965 backspace lever spring.

h. Secure the 102108 backspace pawl to the stud of the 102104 backspace lever with the 125011 washer, 3640 lock washer and 110435 nut.

i. Attach the 42661 backspace pawl spring to the 102108 backspace pawl and the backspace lever post.

j. With the punch bail in its lowermost position, mount the 111024 punch block assembly on the 96844 main bracket by means of the two 1026 screws and 2191 lock washers previously removed.

k. Attach the 102111 feed pawl to the punch bail extension by means of the (retained) 95447 eccentric bushing, 80444 screw and 2191 lock washer.

l. Attach the (retained) feed roll bracket assembly to the punch block assembly with the 95440 retained spacer inserted between the punch block and the 96840 bracket, using the two 74986 (retained) screws and 2191 lock washers. Fasten the assembly to the 96844 main bracket by means of the 80757 retained screw and 2669 lock washer. Take care that the feed roll operates freely when the tape retaining fork is lifted off the feed roll.

m. Hook the retained 7603 feed pawl spring to the 102111 feed pawl and secure it to the 95448 spring post.

n. Install the 102104 backspace lever (with posts) to the 96844 main bracket by means of the 1010 shoulder screw in the tapped hole above the right-hand punch block mounting screw. The lever extension should engage the underside of the feed pawl extension.

o. Hook the 7965 backspace lever spring from the 102104 backspace lever to the 74554 spring post.

*p. Mount the 80478 spring post for the 102109 ribbon lifter in the tapped hole below the mounting hole for the 102110 stud.

q. Secure the 102109 ribbon lifter to the 96844 main bracket by means of the 102110 stud inserted in the mounting hole from which the 74554 spring post was removed.

r. Thread the 92668 ribbon lifter spring post into the 96844 main bracket and attach the 2421 ribbon lifter spring to the 102109 ribbon lifter and 92668 post.

s. Hook the 4705 detent lever spring between the detent lever and the 102110 ribbon lifter stud.

t. Secure the 102795 ribbon guide to the 102109 ribbon lifter by means of the two 1162 screws and the 125011 washers and 2191 lock washers previously removed.

u. Attach the 102107 tape knife to the 96844 main bracket by using the 8543 screws and 2191 lock washers previously removed.

3. ADJUSTMENTS

For adjustments of the Backspace Mechanism refer to the Teletype Model 14 Typing Reperforator Adjustment Bulletin.

The following adjustments should be checked.

- Punch Bail Front Pivot Bearing Plate
- Feed Roll Bearing
- Tape Tension Lever Stud
- Feed Roll Detent (Preliminary)
- Feed Pawl Eccentric (Preliminary)
- Vertical Lever Pivot Screw
- Punch Selector Finger Backstop
- Punch Bail Link
- Punch Bail Up-Stop Screw
- Feed Roll Detent (Final)
- Feed Pawl Eccentric (Final)
- Tape Stripper Plate
- Tape Tension Lever Spring Tension
- Ribbon Guide
- Feed Roll Detent Lever Spring Tension
- Tape Guide Spring
- Backspace Mechanism

