

Teletype Corporation
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INSTRUCTIONS FOR INSTALLING AND ADJUSTING THE
136082 MODIFICATION KIT TO CONVERT A MODEL 14
TYPING REPERFORATOR FROM CHADLESS TO FULLY
PERFORATED TAPE (STRAIGHT FEED ONLY)

1. GENERAL

a. The purpose of the 136082 modification kit is to convert a Model 14 Typing Reperforator from chadless to fully perforated tape (straight feed only). In using this modification kit, some of the typing is obliterated by the fully perforated holes, however, in most instances a sufficient portion of the printed character remains intact for identification purposes. Up to 100 WPM operation is practicable.

b. The 136082 modification kit cannot be applied on Model 14 Typing Reperforators equipped with any of the following features: Backspace Parts, Blank Detector Parts, Remote Control Backspace Parts and Tape Illuminator Parts.

c. The following associated parts are required:

- (1) Send-Receive or Receive-Only Base.
- (2) 98703 Tape Chute and Knife Assembly.

d. The 136082 modification kit consists of:

- 1 1159 Screw 4-40 x 3/8 Fil.
- 1 136992 Extension, Chad Chute
- 1 138228 Guide, Ribbon
- 1 138587 Punch Block Assembly
- 1 139019 Box W/Feet, Chad

e. For part numbers referred to in the following text which are not a part of the modification kit, refer to Teletype Model 14 Typing Reperforator Parts Bulletin.

2. INSTALLATION

a. Free one end of the 4705 spring and push back the 125686 detent lever. Then remove and retain the two 1026 screws, and 2191 lock washers securing the punch block assembly to the 96844 main bracket.

b. Remove, and retain the two 74986 screws, and the 2191 lock washers, then slip out the 95440 spacer held between the 96840 feed roll bracket, and the punch block assembly. Then slip the punch block assembly towards the 96840 bracket until it is clear of the two locating dowels contained in the 96844 bracket and remove the punch block assembly.

c. Loosen the 102052 screw nearest to the 96842 or 98678 tape chute; remove and discard the other 102052 screw. Then remove the 95449 ribbon
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(5863S)

guide. Retain the ribbon guide, 125011 washer, and the 3640 lock washer.

d. Install the 138587 punch block assembly using the two 1026 screws and 2191 lock washers retained in Paragraph 2.a. Anchor the free end of the 4705 spring back to its original position.

e. Replace the 95440 spacer, the two 74986 screws and 2191 lock washers removed in Paragraph 2.b.

f. Replace the 95449 ribbon guide. Mount the 138228 ribbon guide over the 95449 guide and adjacent to the chad chute using the 1159 screw furnished and the 3640 lock washer and 125011 washer retained in Paragraph 2.c. The two ribbon guide mounting screws need not be tightened fully at this time.

g. Remove and retain the 7099 thumb screw (left front).

h. Install the 136992 chad chute extension with the lip of the chute extension on top of the tape knife, using the two tape knife mounting screws and lock washers for securing both the tape knife and the chute extension. Replace the 7099 thumb screw (removed in Paragraph 2.g.) through the hole provided in the chute extension bracket. (The lip and bracket of the chute extension may have to be bent slightly to permit mounting.) Care should be exercised so as not to deform the parts too much.

3. ADJUSTMENTS - STANDARD

a. Check the following standard adjustments. Apply standard adjusting procedure:

- (1) Feed Roll Bearings
- (2) Tape Tension Lever Stud
- (3) Feed Roll Detent - Preliminary
- (4) Feed Pawl Eccentric - Preliminary
- (5) Punch Bail Link
- (6) Punch Bail Upstop Screw
- (7) Feed Roll Detent - Final
- (8) Feed Pawl Eccentric - Final
- (9) Tape Stripper Plate
- (10) Tape Tension Lever Spring
- (11) Ribbon Guide

4. SPECIAL ADJUSTMENTS AND MAINTENANCE INFORMATION

a. Position the 138228 ribbon guide so that there is no interference with any of the type bars. Tighten the mounting screw. Recheck the standard Ribbon Guide Adjustment.

b. The ribbon should be routed over the top surface of the added ribbon guide and it should not ride on the tape chute. Bend the arm of the added ribbon guide to meet this requirement. The rest of the ribbon should be routed through the standard ribbon guide in the regular manner.

(5863S)

c. Do not remove the chad chute from the punch block assembly unless the punch block itself is to be removed for maintenance. Should it become necessary to clean the chad from the chad chute, remove the button plug at the top of the chute and loosen the chad with a suitable tool or object. Replace the button plug.

d. To remove the chad chute from the punch block assembly, remove the two chad chute mounting screws and lift the chute up.

e. To replace the chad chute apply the following procedure:

CAUTION: To avoid the possibility of irreparable damage to the punch block when replacing the chad chute, it is recommended that the following procedure be applied and checks made manually before applying power to the unit.

(1) Set up the LETTERS code combination manually and rotate the motor governor or fan handwheel counterclockwise (looking at the left side of the unit from the operator's position) until the punch pins reach their uppermost travel. Remount the chad chute.

(2) Manually rotate the governor or fan counterclockwise until the punch pins are down and insert a piece of tape in the punch block. Set up the LETTERS code combination manually. Rotate the governor or fan and check the perforations in the tape and the punch pins for any signs of binds in the punch pins. If necessary, loosen the chad chute mounting screws and reposition the chad chute and the guide and die plates to free the punch pins of any undue binds. Tighten the mounting screws.

5. LUBRICATION

a. Apply standard lubricating procedure.

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