

REPLACING PAGE ADDENDUM

Filing Instructions:

1. Remove from the section the pages numbered the same as those attached to this sheet.
2. Insert the attached pages in the section in their place.
3. Place this sheet ahead of Page 1 of the section.

32 AND 33 KEYBOARD

DISASSEMBLY AND REASSEMBLY

1. GENERAL

1.001 This addendum supplements 574-121-702TC, Issue 1. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to add information not included in Issue 1 of the section.

Attached:

Page 1 dated September 1964, revised
Page 2 dated September 1964, revised

32 AND 33 KEYBOARD

DISASSEMBLY AND REASSEMBLY

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1. GENERAL

1.01 This section is issued to provide disassembly and reassembly instructions for the 32 and 33 keyboard and to present the instructions as a separate section.

1.02 References to "left," "right," "front," "rear," etc consider the keyboard to be viewed from a position where the spacebar faces up and the contact mechanism is located to the viewer's right.

1.03 The disassembly procedure given in this section will break the keyboard down into its major assemblies and mechanisms. If further disassembly is required, refer to the appropriate illustrated parts section which shows detailed arrangements of parts. Where it will help in determining their location, the numbers of the parts are given in the instructions.

2. DISASSEMBLY AND REASSEMBLY

CAUTION: BEFORE BEGINNING DISASSEMBLY, REMOVE CONNECTORS FROM EXTERNAL RECEPTACLES (POWER SOURCE, DATA SET, ETC).

2.01 General:

(a) When self-tapping screws are used to mount mechanisms onto castings, do not remove the self-tapping screws. Merely loosen them enough to remove the mechanisms unless specifically instructed otherwise.

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

- (1) Hold retaining ring to prevent its rotating.
- (2) Place blade of screwdriver in one of ring's slots and rotate screwdriver to increase diameter.
- (3) Ring will come off easily in fingers without flying.

2.02 To remove keyboard and call control unit, proceed as follows:

Note: Reference Figures 1 and 2.

(1) Remove the plastic protective cover from the Teletypewriter Set. For instructions, see the appropriate cover section.

Note: For self-contained keyboards, remove four TP181241 screws with flat washers from the bottom of the self-contained keyboard to be disassembled. Carefully remove the TP195481 cover and set it aside.

- (2) Remove the keyboard plug from its receptacle on the call control unit.
- (3) Remove four TP121551 mounting screws and remove call control unit.
- (4) Disengage keyboard cable from TP182531 cable clips on subbase.
- (5) Insert screwdriver in slot in TP180977 H-plate and push to left against pressure of spring until H-plate is disengaged from universal lever. Remove H-plate.

Note: If the typing unit has been removed from its seat on the subbase, the H-plate will already have been removed.

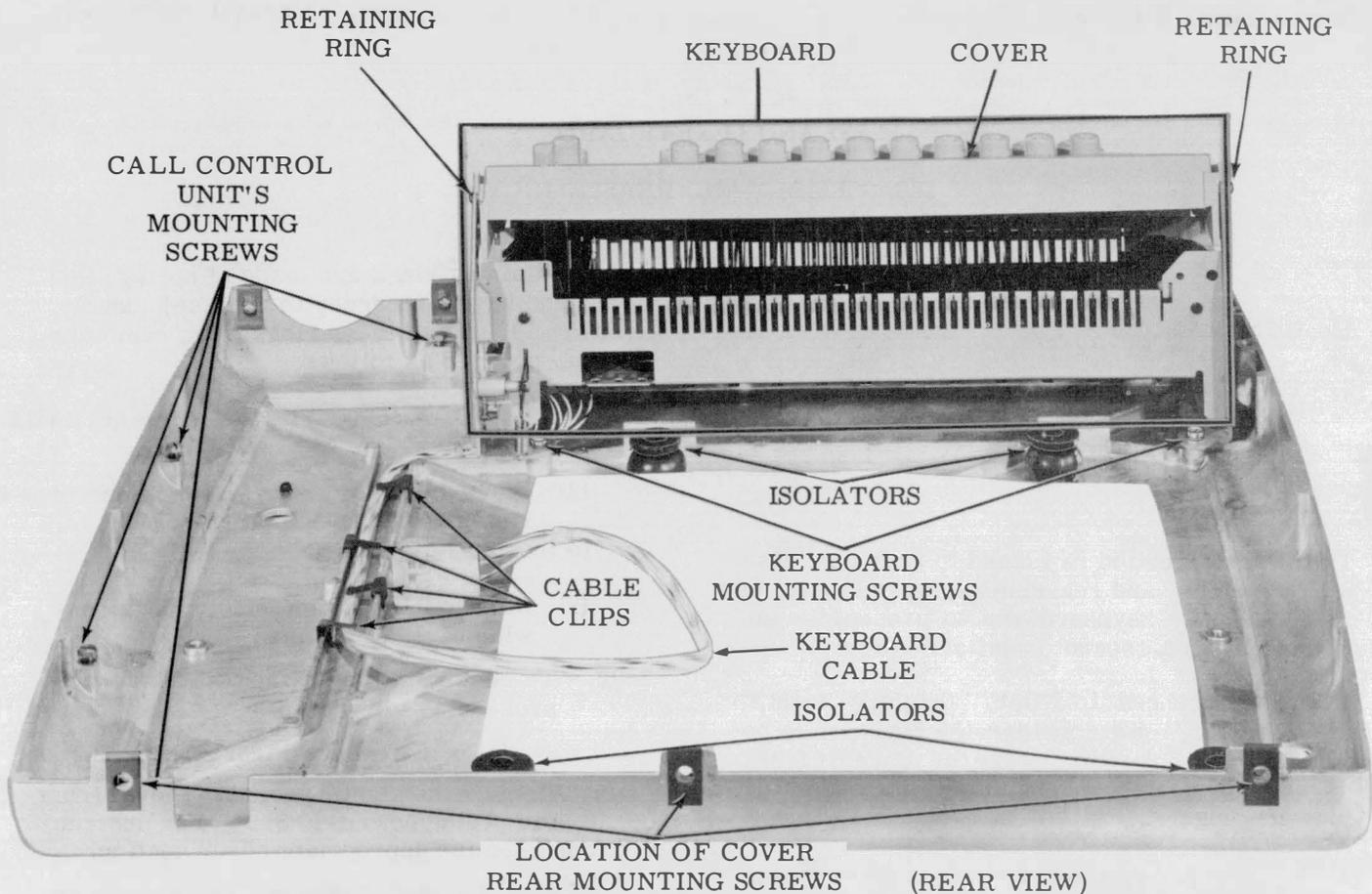


Figure 1 - Subbase with Keyboard

- (6) Loosen two TP180798 keyboard mounting screws. Slide keyboard assembly to rear and lift it from subbase.
- (7) To replace keyboard, reverse procedure used to remove it.

CAUTION: MAKE SURE THAT PLUG IS MATED WITH SIMILARLY DESIGNATED RECEPTACLE.

2.03 To remove keyboard cover, proceed as follows:

Note: Reference Figures 1 and 2.

- (1) Remove TP119652 retaining ring from left side of keyboard cover, and rotate left side bracket away.
- (2) Hold right side bracket firmly in place against two TP180031 compression springs of keyboard contact mechanism, and remove TP119652 retaining ring from right side of keyboard cover.
- (3) Continue to hold right side bracket firmly in place, and disengage keyboard cover from right side bracket by moving it up and to the left. Lift keyboard cover off keys.

Note: With keyboard cover removed, right side bracket may be unexpectedly pushed away

from its assembled position due to spring load of two compression springs. If this happens, certain parts will prematurely fall loose. To prevent this, always keep right side bracket firmly against the two compression springs of keyboard contact mechanism, ie, either hold right side bracket in place by hand or butt it up against a fixed vertical surface.

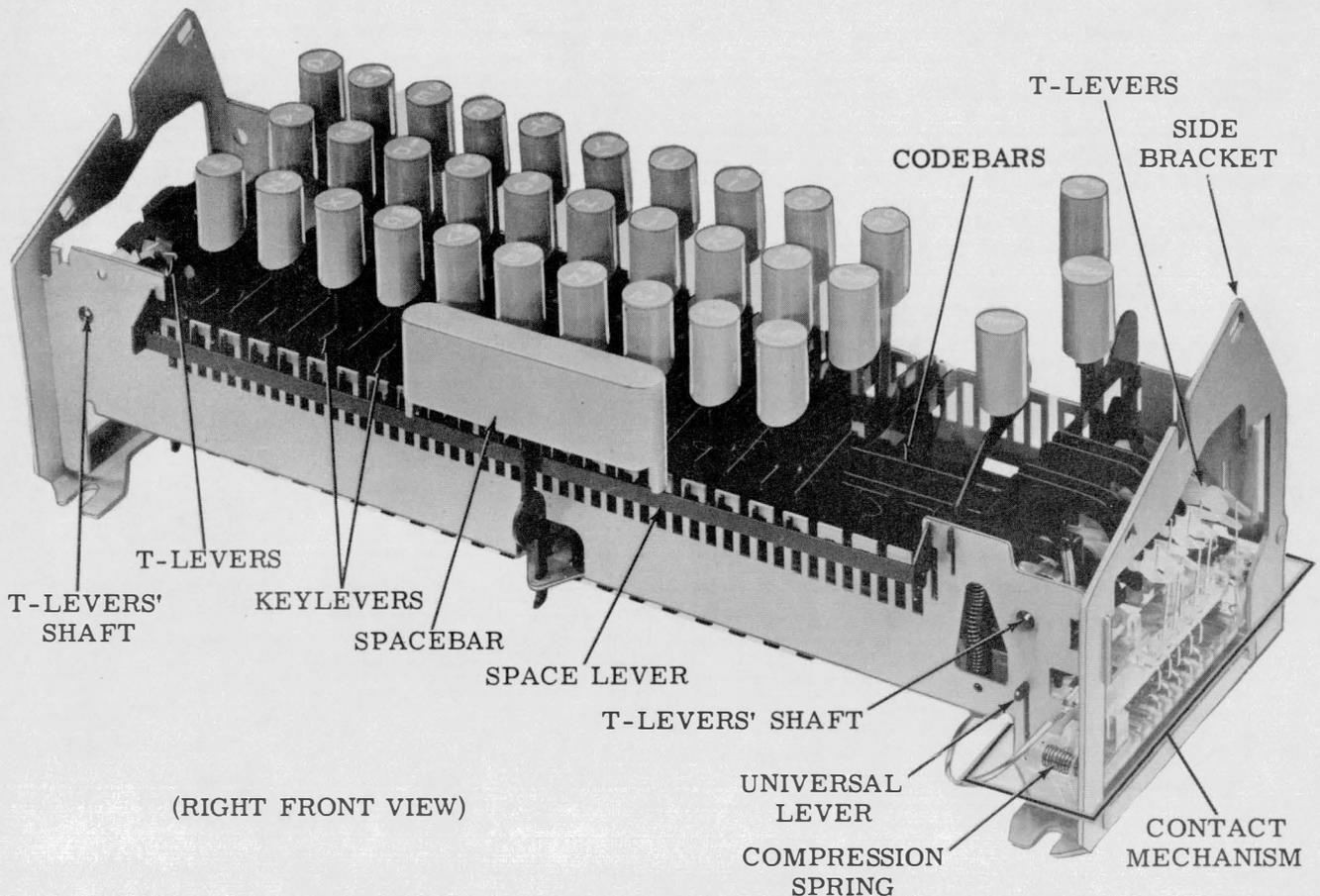
- (4) To replace keyboard cover, reverse the procedure used to remove it.

2.04 To remove miscellaneous parts, proceed as follows:

- (1) To remove any keylever depress front end of TP180086 universal lever. Depress keylever, disengage it from front or rear guide slot, and lift it out of keyboard frame.

Note: Certain levers have compression springs on their lower stems so that the springs may be properly replaced during re-assembly.

- (2) To remove spacebar mechanism, remove spacebar with attached keylever. Bow TP180056 space lever and disengage it from



(RIGHT FRONT VIEW)

Figure 2 - Keyboard (Cover Removed)

two TP180055 space keylevers. Disengage space keylevers from guide slots and remove them from frame.

Note: Note position of compression springs on keylever's lower stems so that they can be properly replaced during reassembly.

(3) Codebar may be removed after all keylevers are removed. Disengage bars from T-levers and lift out of keyboard frame.

(4) To remove keyboard contact mechanism, remove right side bracket by snapping it off frame. Remove contact mechanism.

Note: Note position of TP180031 compression springs so that they may be properly replaced during reassembly.

(5) To remove the two T-lever shafts, spread frame and lift out. To remove T-levers, remove TP119653 retaining rings and slide levers off their shafts.

(6) To replace miscellaneous parts, reverse procedure used to remove them.