

37 TYPING UNIT COVER AND PAN

ADJUSTMENTS

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1. GENERAL

1.01 This section provides adjustment procedures for the late design 37 typing unit cover and pan which has the front cover cut out for WECo 635R2 switches (Figure 1). It is re-issued to incorporate minor engineering changes and comments received on Issue 1. Since only a limited distribution was made on Issue 1, marginal arrows have been omitted. For similar information on early design units which have the front cover cut out for Licon 76-type switches, refer to Section 574-326-700TC.

1.02 The adjustments are arranged in a sequence that should be followed if a complete readjustment of the cover and pan is undertaken. Certain adjustments appear on the same page, and the sequence in such cases is indicated by the letters (A), (B), etc. No single adjustment should be undertaken without first completely understanding the procedure and knowing the requirements. Therefore read a

procedure all the way through before making an adjustment. If one adjustment is changed, related adjustments should be checked.

1.03 Some cover and pan adjustments are installation-type adjustments and their performance depends upon the position of the associated keyboard unit. These dependent adjustments are integrated with other cover and pan adjustments and all are presented as a series of interrelated adjustments. The installation-type adjustments must be performed with an assembled and adjusted keyboard unit. For other keyboard adjustments see Section 574-321-703TC.

1.04 In each adjustment the location of clearances and position of parts are illustrated by line drawings. Requirements and procedures are presented in the several texts that accompany the line drawings. Tools necessary to maintain this equipment are illustrated in Section 570-005-800TC.

1.05 References made to left or right, front or rear, top or bottom, etc, apply to the cover and pan in the normal position as viewed by the operator in front of the unit, unless specifically stated otherwise (Figure 1).



Figure 1 - Typing Unit Cover and Pan

SECTION 574-326-703TC

1.06 When parts are removed to facilitate the making of an adjustment and subsequently replaced, check any adjustments which may have been affected by such removal and replacement of parts.

1.07 Unless specifically stated otherwise, make screws or nuts friction tight to make an adjustment and tighten them securely once the adjustment has been made.

CAUTION: WHEN THE ASSEMBLY IS FUNCTIONALLY UTILIZED WITH A TYPING UNIT ETC, REMOVE POWER FROM EQUIPMENT BEFORE MAKING ANY ADJUSTMENTS.

1.08 When cleaning plastic parts such as the plastic window, use soap or detergent and water. Do not use solvents containing alcohol or chlorinated ingredients.

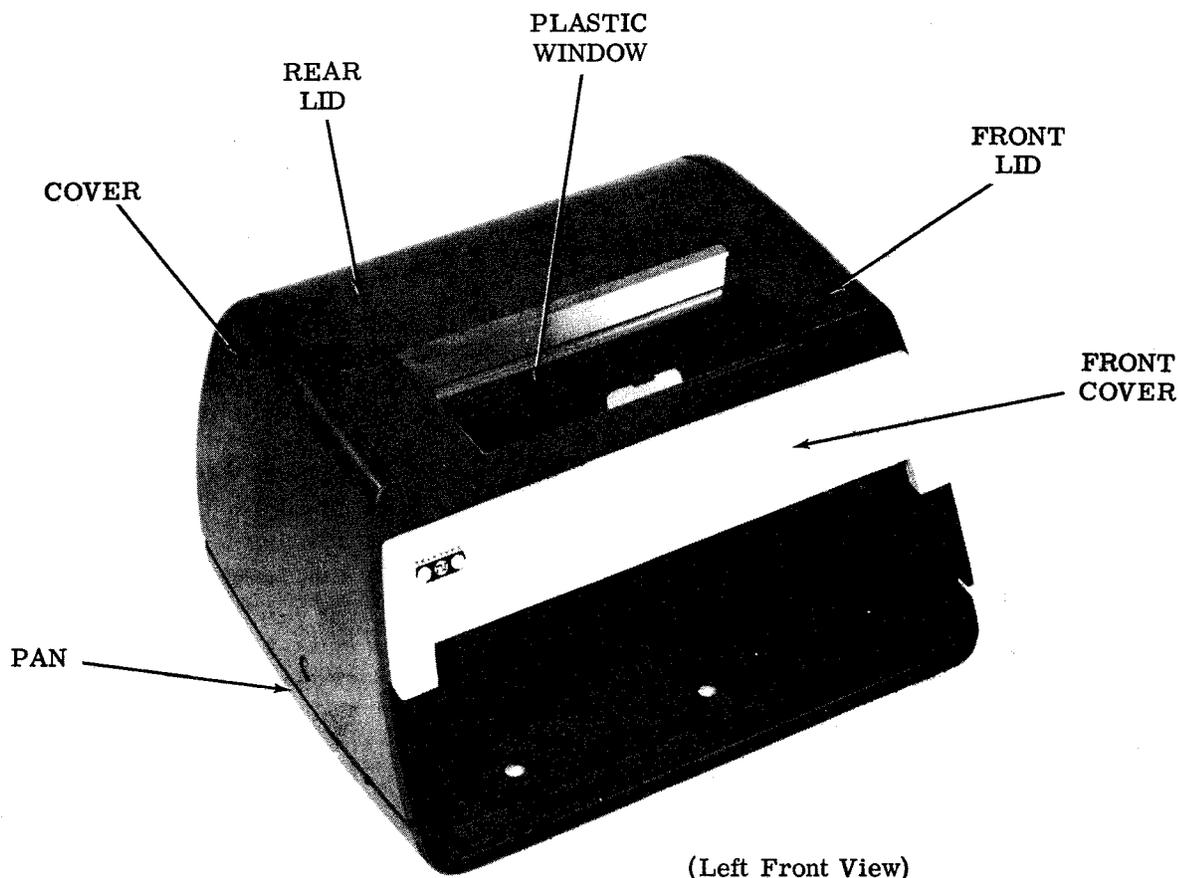
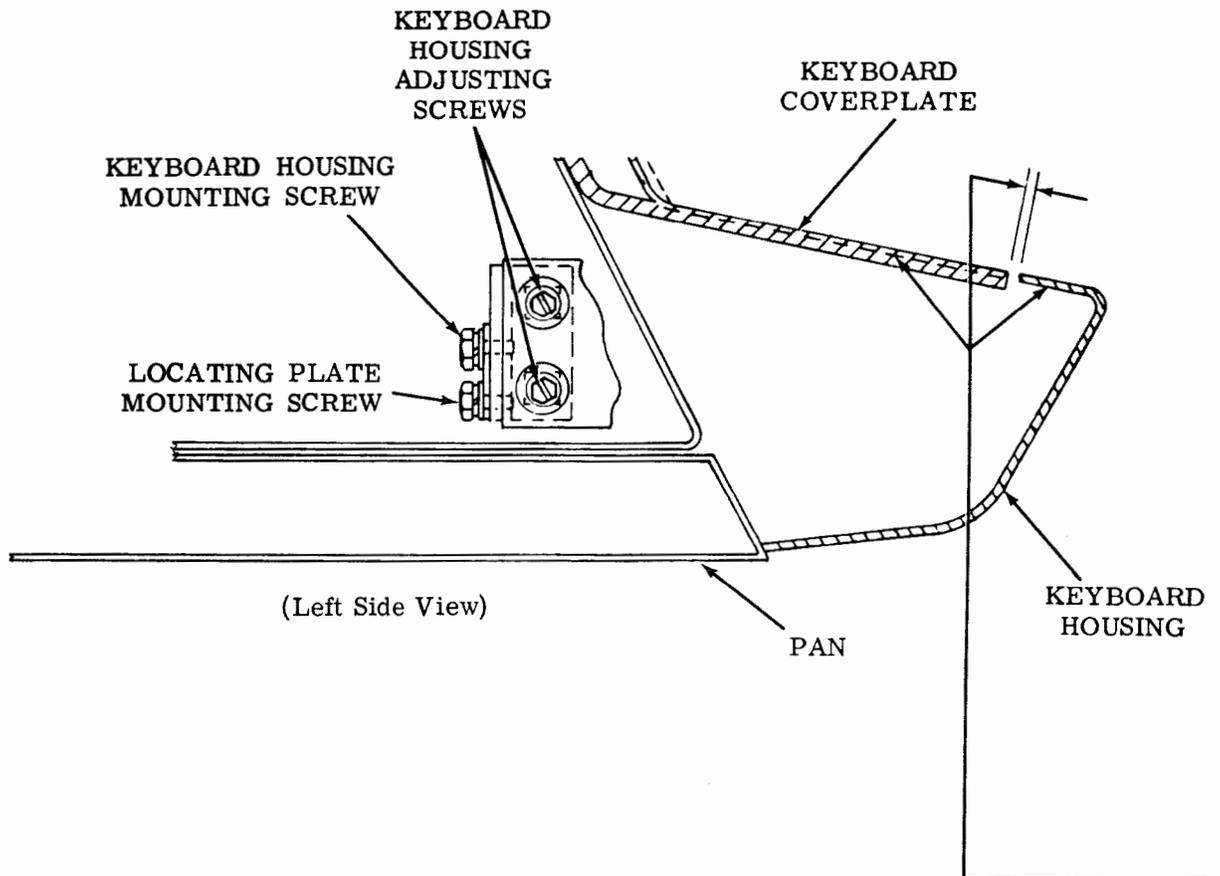


Figure 2 - Typing Unit Cover and Pan

2. BASIC UNIT

2.01 Keyboard Housing

Note: This adjustment is required only at the time of installation or on reassembly.

KEYBOARD HOUSING POSITION**Requirement**

All mating surfaces around keyboard housing and coverplate should be approximately flush and have equal spacing as gauged by eye.

To Adjust

Loosen control panel mounting screws (2.08). Loosen friction tight four keyboard housing mounting screws, and the locating plate mounting screw. Position keyboard housing to meet "flush" requirement. While maintaining "flush" requirement, position keyboard housing to left or right to meet the "equal spacing" requirement. Tighten two keyboard housing mounting screws and the locating plate mounting screw. Maintain the "flush" requirement and position keyboard housing front to rear to complete "equal spacing" requirement. Tighten four keyboard housing screws.

SECTION 574-326-703TC

2.02 Cover

(A) COVER CENTERING

(1) Requirement

Cover should be centered from left to right on pan as gauged by eye.

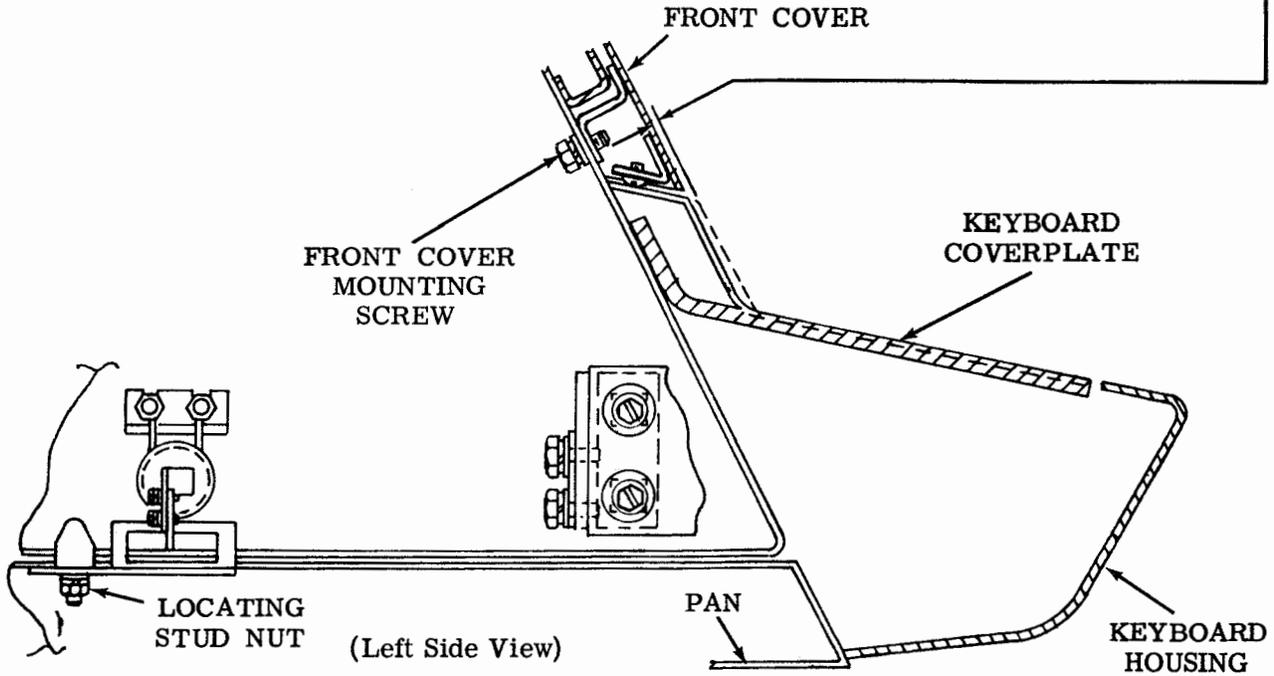
(2) Requirement

Bottom leading edge of front cover should be
Min 0.030 inch---Max 0.080 inch
under flush with leading edge of keyboard housing.

To Adjust

Loosen four hinge mounting screws and two locating stud nuts friction tight. Position cover left or right to meet requirement (1). While maintaining requirement (1), position cover front to rear to meet requirement (2). Tighten locating stud nuts and hinge mounting screws.

Note: This adjustment is required only at the time of installation or on reassembly.



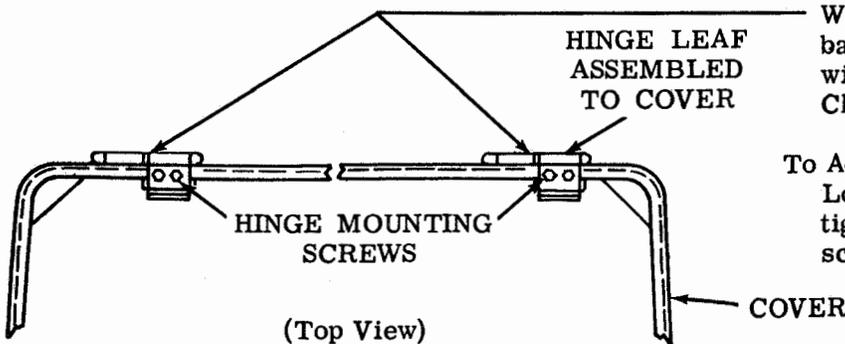
(B) COVER HINGE POSITION

Requirement

With cover closed, end of cover hinge barrel should contact and be in line with pan hinge barrel as gauged by eye. Check both sets of hinges.

To Adjust

Loosen hinge mounting screws friction tight. Position cover hinge. Tighten screws.



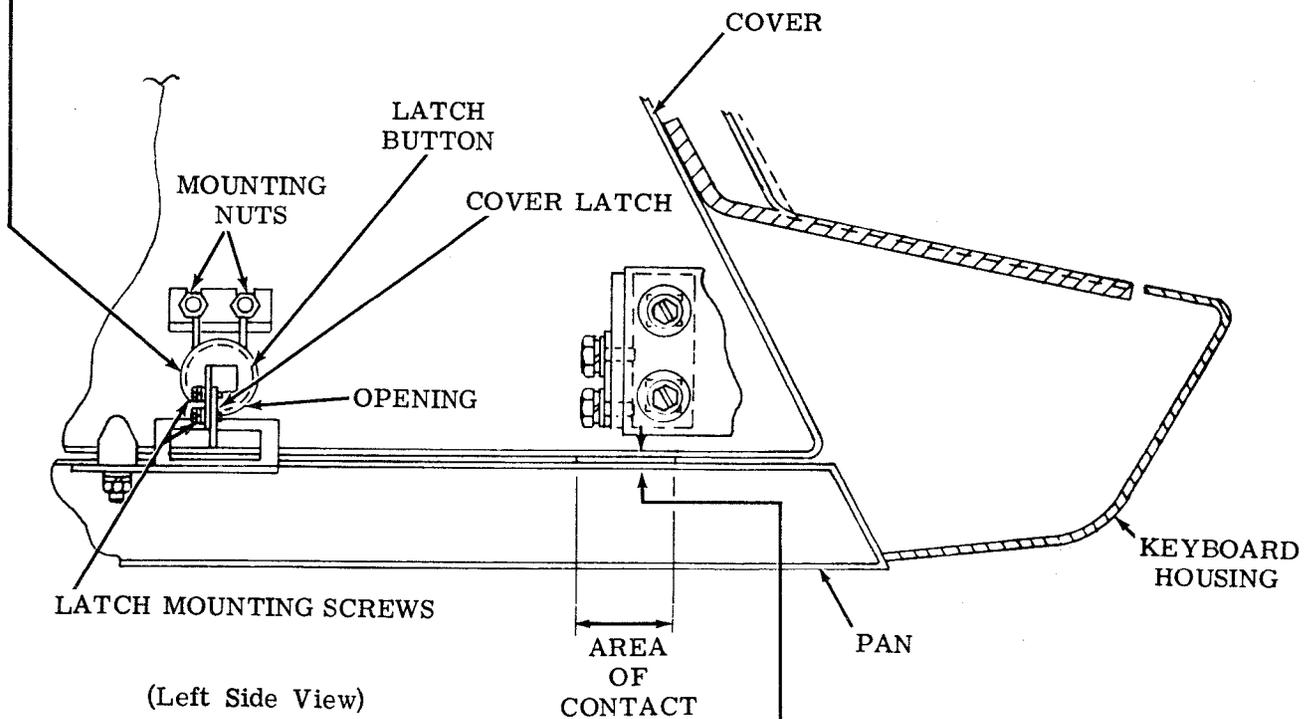
2.03 Cover (continued)

(A) COVER LATCH CENTERING**Requirement**

Latch button should be centered in opening on both sides of cover.

To Adjust

Loosen mounting nuts friction tight. Position latch button. Tighten mounting nuts.

**(B) COVER POSITION****Requirement**

Lower right corner of cover should contact gasket or bumper on pan (or a maximum of 0.010 inch gap) at a point between two and three inches from bottom corner of cover.

To Adjust

Loosen front cover mounting screws friction tight (2.04). Position front cover towards top of cover. Loosen right and left side latch mounting screws friction tight. Close cover and position latch to meet requirement. Tighten front cover and latch mounting screws.

Note: This adjustment is required only at the time of installation or on reassembly.

2.04 Front Cover and Front Lid

(B) FRONT LID SPRING

(1) Requirement

Front lid spring should contact front surface of top lid.

(2) Requirement

Front lid spring should not bind when pressed against front cover.

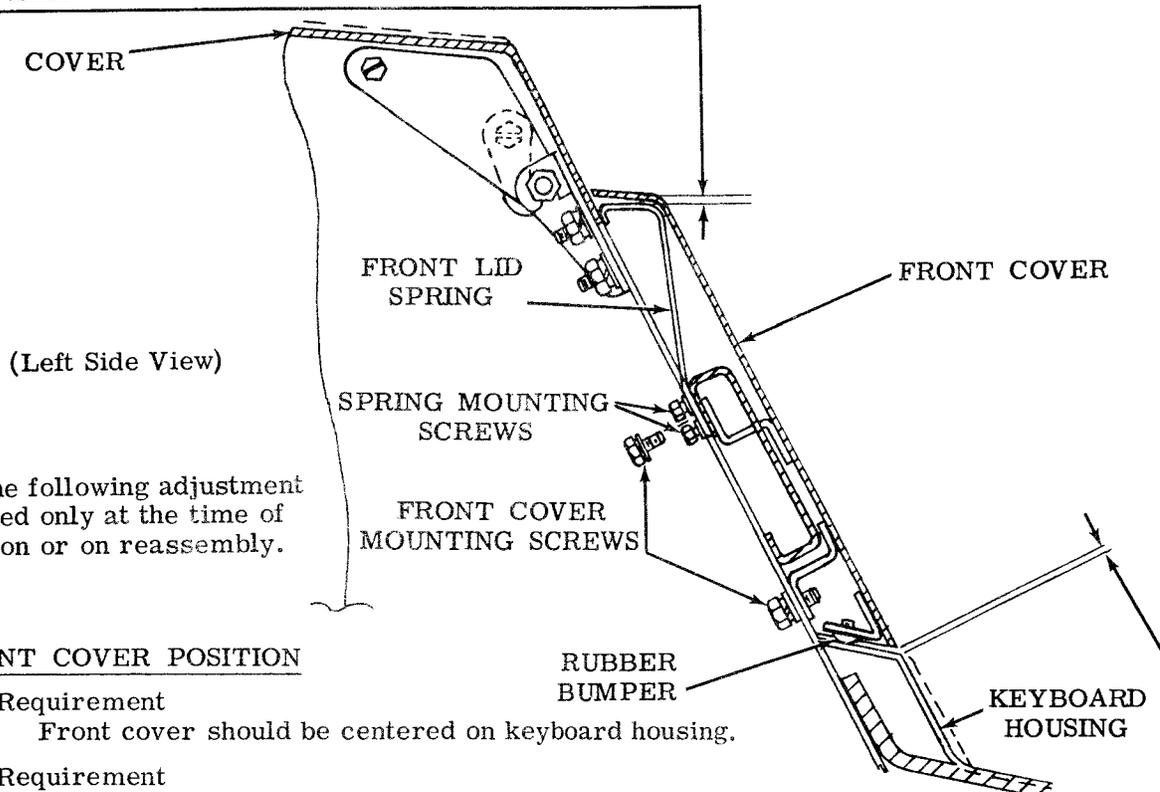
(3) Requirement

With front lid properly adjusted (2.05) and release buttons depressed, front lid spring should open the front lid.

To Adjust

With spring mounting screws friction tight, position front lid spring up or down to meet requirements (1), (2) and (3). Tighten mounting screws.

Note: Check front lid spring for binds if front lid is difficult to open or close.



Note: The following adjustment is required only at the time of installation or on reassembly.

(A) FRONT COVER POSITION

(1) Requirement

Front cover should be centered on keyboard housing.

(2) Requirement

Rubber bumper on front cover should contact keyboard housing in two places.

(3) Requirement

Clearance between front cover and keyboard housing when measured at mid-point should be

Min some---Max 0.040

(4) Requirement

Both sides should be within 0.015 inch of each other.

To Adjust

With four front cover mounting screws loosened and two spring mounting screws friction tight, position front cover to meet requirements (1) and (2). While maintaining requirements (1) and (2), position front cover to meet requirements (3) and (4). Tighten mounting screws.

2.05 Front Lid (continued)

(C) FRONT LID GAP

Requirement

With front lid latched, gap between front lid and front cover, measured at ends of front lid, should be

Min 0.005 inch---Max 0.025 inch

To Adjust

Loosen four hinge plate mounting screws friction tight. Position front lid. Tighten screws.

(A) FRONT LID ALIGNMENT

Requirement

Top surface of front lid along leading edge should be

Max 0.040 inch

above flush or

Max 0.020 inch

under flush with mating left and right surfaces of cover as gauged by eye.

To Adjust

Loosen four hinge bracket mounting nuts friction tight. Position front lid up or down. Tighten mounting nuts.

(B) FRONT LID CENTERING

(1) Requirement

Front lid should be centered in cover opening with approximately an equal gap along both sides as gauged by eye.

(2) Requirement

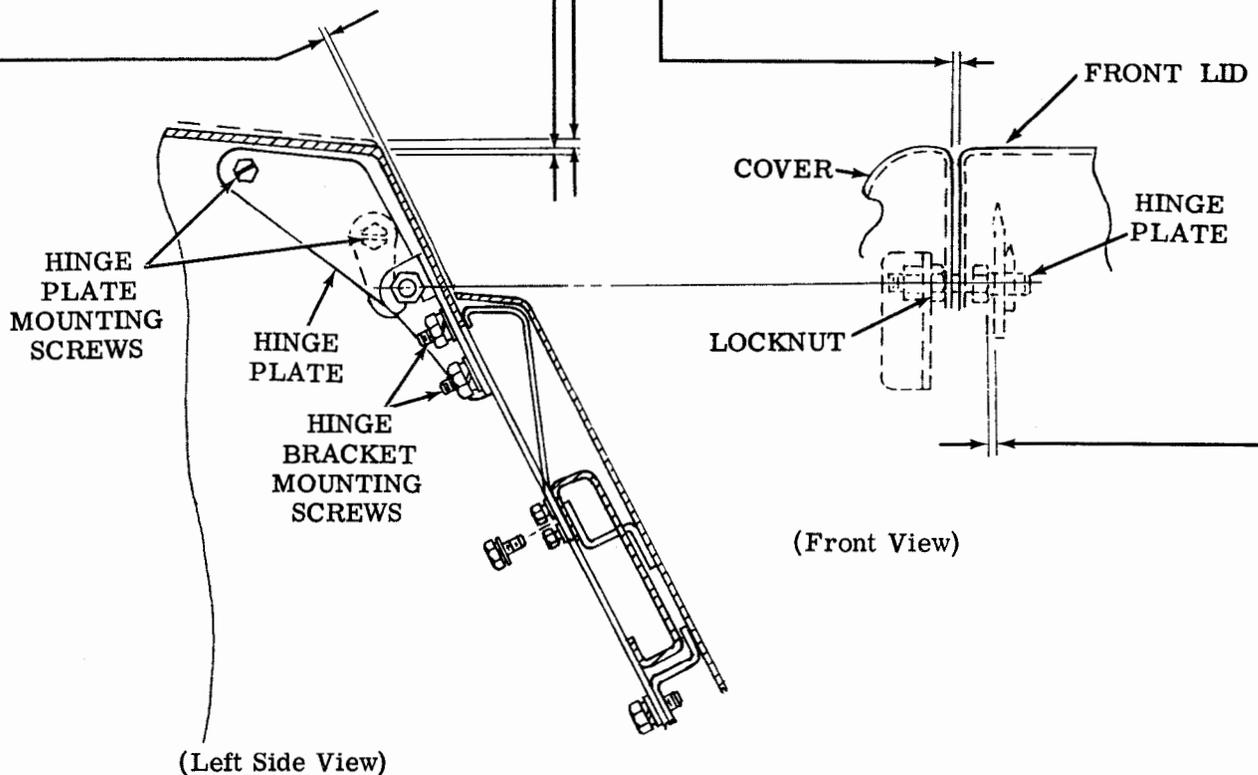
When top latches are activated, front lid should release and be free of binds.

(3) Requirement

Min some---Max 0.010 inch clearance between hinge plate and shoulder of hinge post on one side.

To Adjust

Loosen two hinge post locknuts. Position front lid either left or right by turning both hinge posts in required direction. With front lid centered and hinge plate against shoulder of either hinge post requirement (3) should be met. Tighten hinge post locknuts.



2.06 Rear Lid

(A) REAR LID CLEARANCE

Requirement

Min some---Max 0.045 inch
between front lid and rear lid with both lids latched.

To Adjust

Loosen four rear lid mounting nuts friction tight. Position rear lid from front to rear. Tighten mounting nuts.

(B) REAR LID CENTERING

(1) Requirement

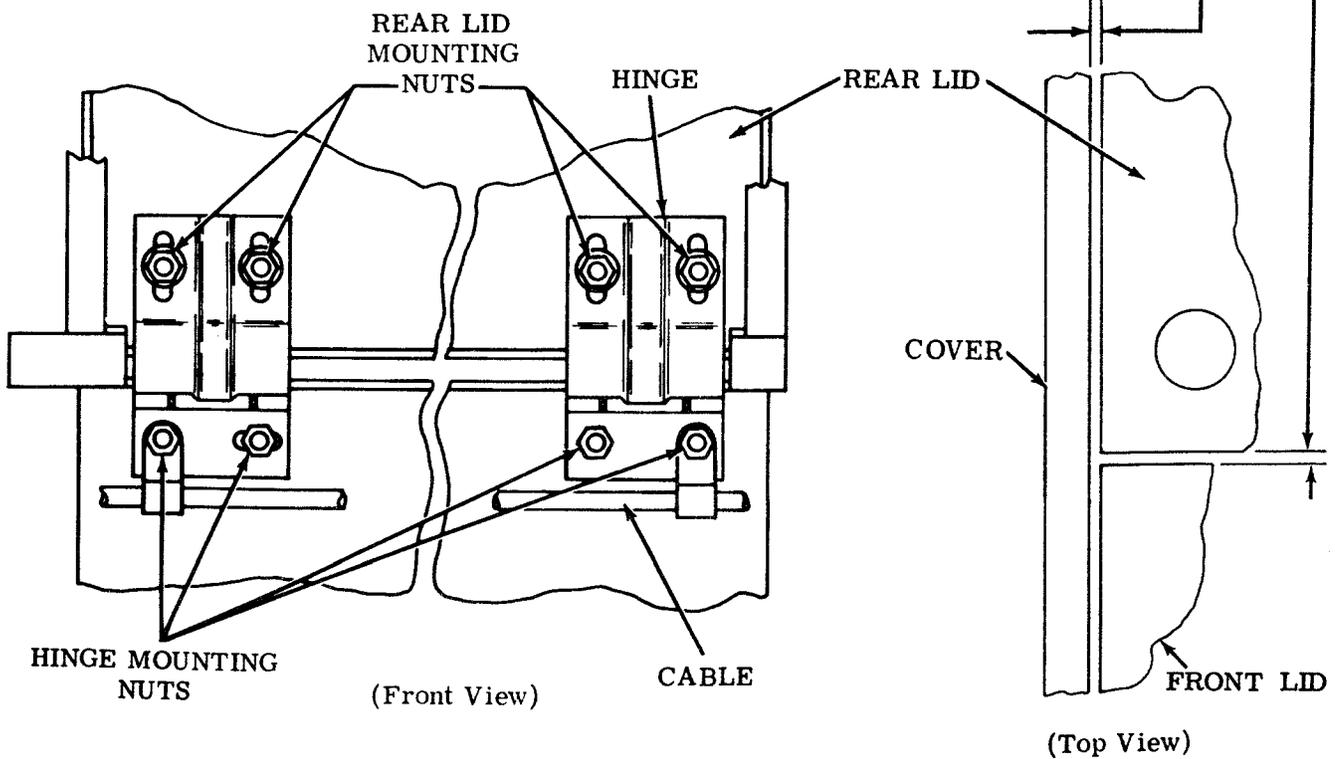
Rear lid should be centered in cover opening from left to right as gauged by eye.

(2) Requirement

Some clearance between rear lid and cover along both sides.

To Adjust

Loosen four hinge mounting nuts friction tight. Position rear lid. Tighten mounting nuts.



2.07 Front Lid and Rear Lid (continued)

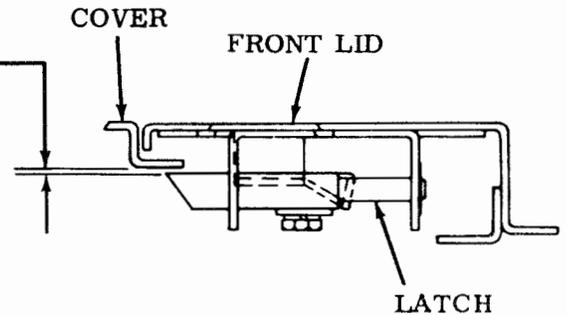
(B) FRONT LID LATCH CLEARANCE

Requirement

With front lid latched and against rear lid extension
 Min some---Max 0.015 inch
 between front lid latch and cover latching surface.

To Adjust

Loosen four lid stop mounting screws
 friction tight. Position rear lid up or
 down. Tighten four mounting screws.



(Front View)

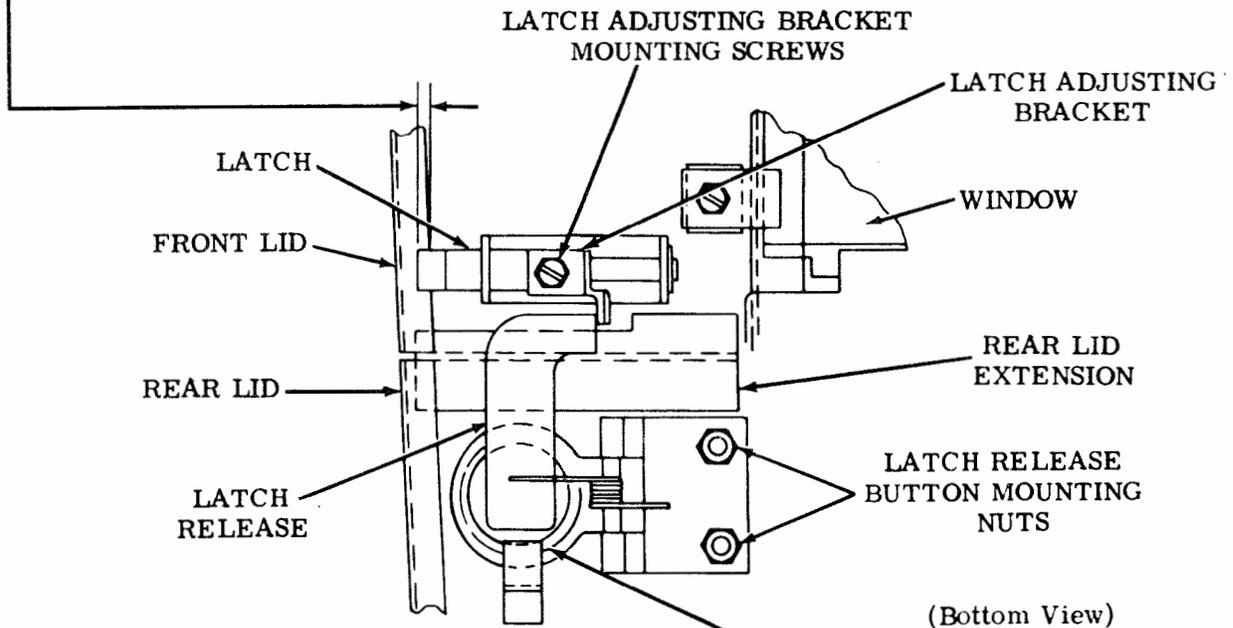
(C) FRONT LID LATCH ENGAGEMENT

Requirement

Both front lid latches should engage the return provided on cover
 Min 0.045 inch---Max 0.095 inch

To Adjust

Loosen latch adjusting bracket mounting screws friction tight. Position latch adjusting
 bracket against latch release which is mounted to rear lid. Then, position front lid
 latches. Tighten mounting screws.



(Bottom View)

(A) LATCH RELEASE BUTTON CENTERING

Requirement

Both latch release buttons should be centered in openings provided in rear lid
 as gauged by eye.

To Adjust

Loosen latch release button mounting nuts friction tight. Position latch release
 button. Tighten mounting nuts.

2.08 Control Panel

Note: The adjustments on this page are required only at the time of installation or on reassembly.

CONTROL PANEL POSITION

(1) Requirement

3/32 to 3/16 inch gap between the trim strip and front cover. This gap should be measured at both ends of the trim strip and should be within 1/32 inch of each other.

To Adjust

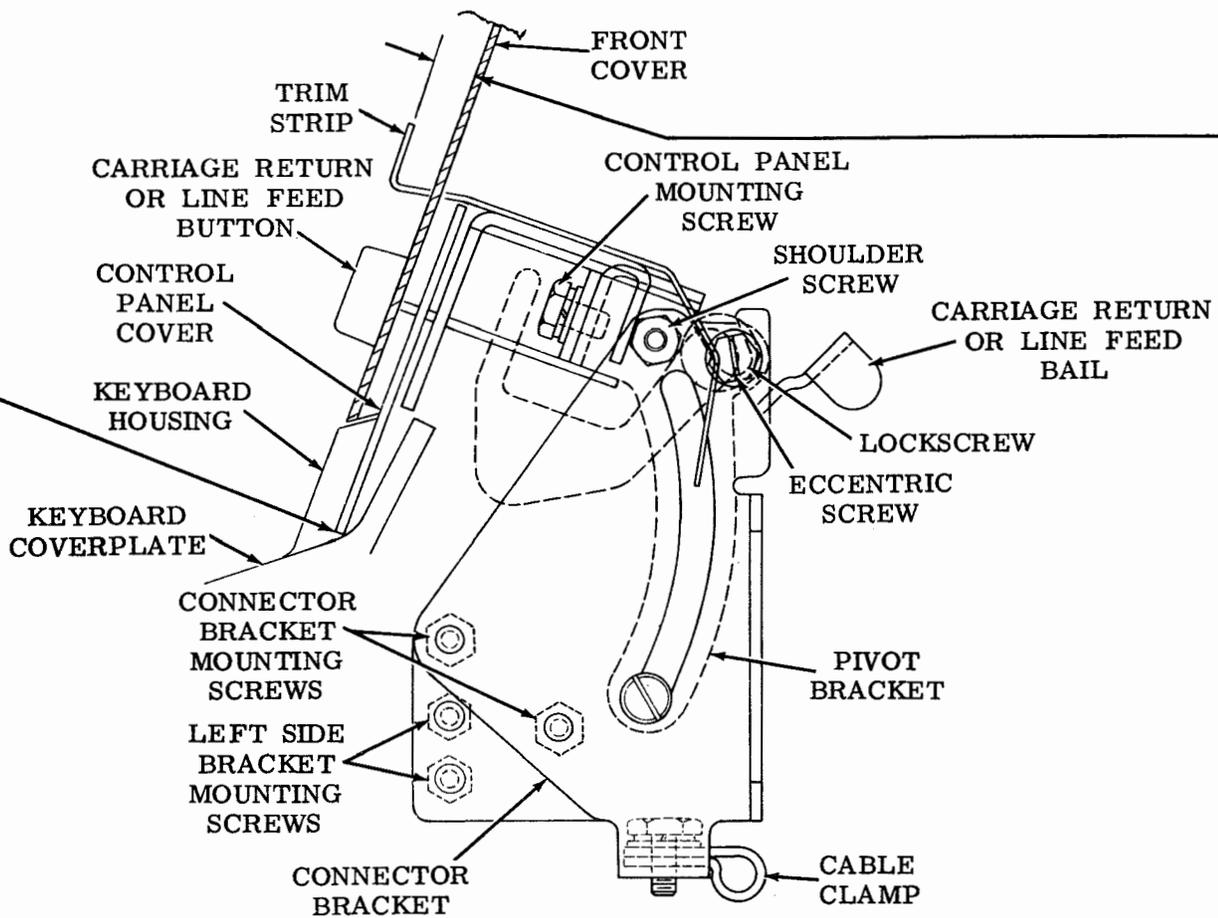
With the two connector mounting screws and left bracket mounting screws friction tight position the control panel to meet the requirement.

(2) Requirement

Bottom edge of control panel cover and top surface of keyboard coverplate should be in contact at one point along an area two inches inward on both left and right sides.

To Adjust

With left and right side control panel mounting screws loosened, position right side pivot bracket against shoulder screw on connector bracket. Then lock pivot bracket in place. Loosen left and right side control panel mounting screws friction tight. Then lock left side pivot in place. Position control panel up or down to meet requirement. Tighten control panel mounting screws after CONTROL PANEL CENTERING (2.09).



(Right Side View)

2.09 Control Panel (continued)

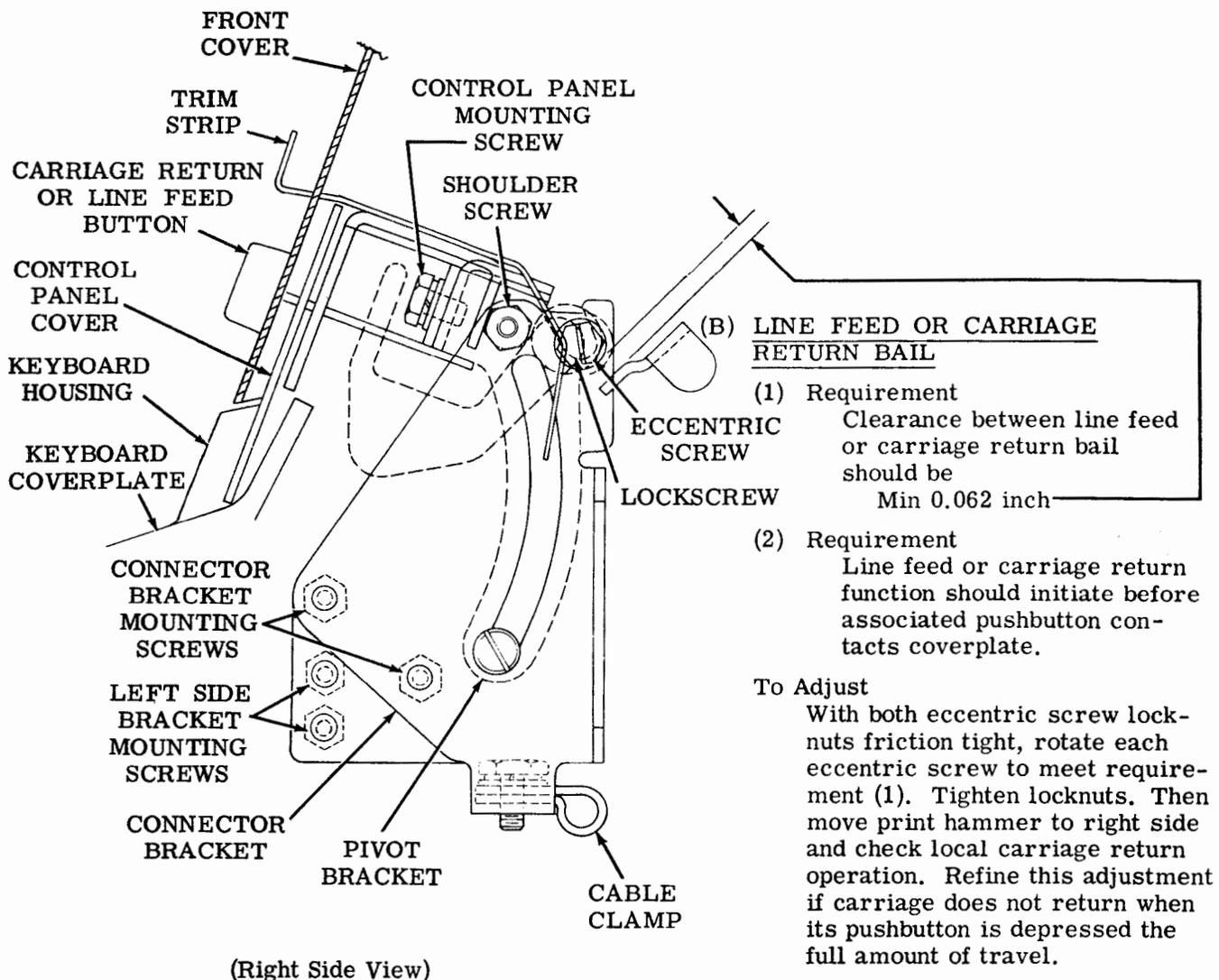
Note: The adjustments on this page are required only at the time of installation or on reassembly.

(A) CONTROL PANEL CENTERING**Requirement**

Bottom edge of control panel should be centered in keyboard housing opening as gauged by eye.

To Adjust

While maintaining CONTROL PANEL POSITION (2.08), position control panel left or right to meet requirement. Tighten control panel mounting screws.

**(B) LINE FEED OR CARRIAGE RETURN BAIL****(1) Requirement**

Clearance between line feed or carriage return bail should be
Min 0.062 inch

(2) Requirement

Line feed or carriage return function should initiate before associated pushbutton contacts coverplate.

To Adjust

With both eccentric screw locknuts friction tight, rotate each eccentric screw to meet requirement (1). Tighten locknuts. Then move print hammer to right side and check local carriage return operation. Refine this adjustment if carriage does not return when its pushbutton is depressed the full amount of travel.

Note: Check local line feed operation with typing unit under power. When PAPER ADVANCE pushbutton is depressed through its full amount of travel and paper does not feed-out, refine requirement (1).