

37 TYPING UNIT COVER AND PAN

ADJUSTMENTS

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For similar information on early design units which have the front cover cut out for Licon 76-type switches, refer to Section 574-326-700. Because of extensive changes, arrows in the margin have been omitted.

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 assem-



Figure 1 - Typing Unit Cover and Pan

1. GENERAL

1.01 This section provides adjustment procedures for the late design 37 typing unit cover and pan, for both standard and wide platen units, which has the front cover cut out for WECO 635R2 switches (Figure 1). It is reissued to incorporate engineering changes and additions.

SECTION 574-326-703

bled and adjusted keyboard unit. For other keyboard adjustments see Section 574-321-703.

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 570-005-800.

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 2).

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.

Note: Wide platen covers use the same adjustments as the standard covers, unless otherwise specified.

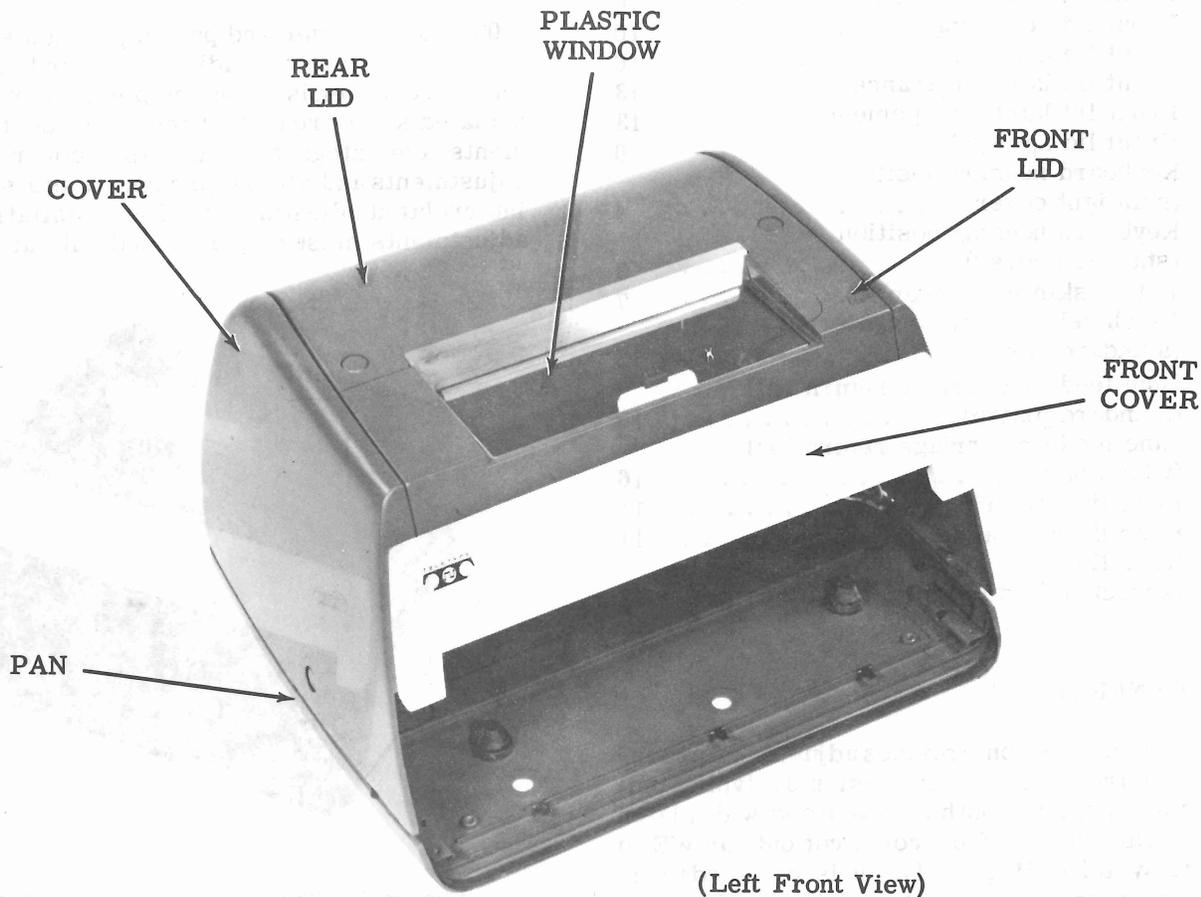
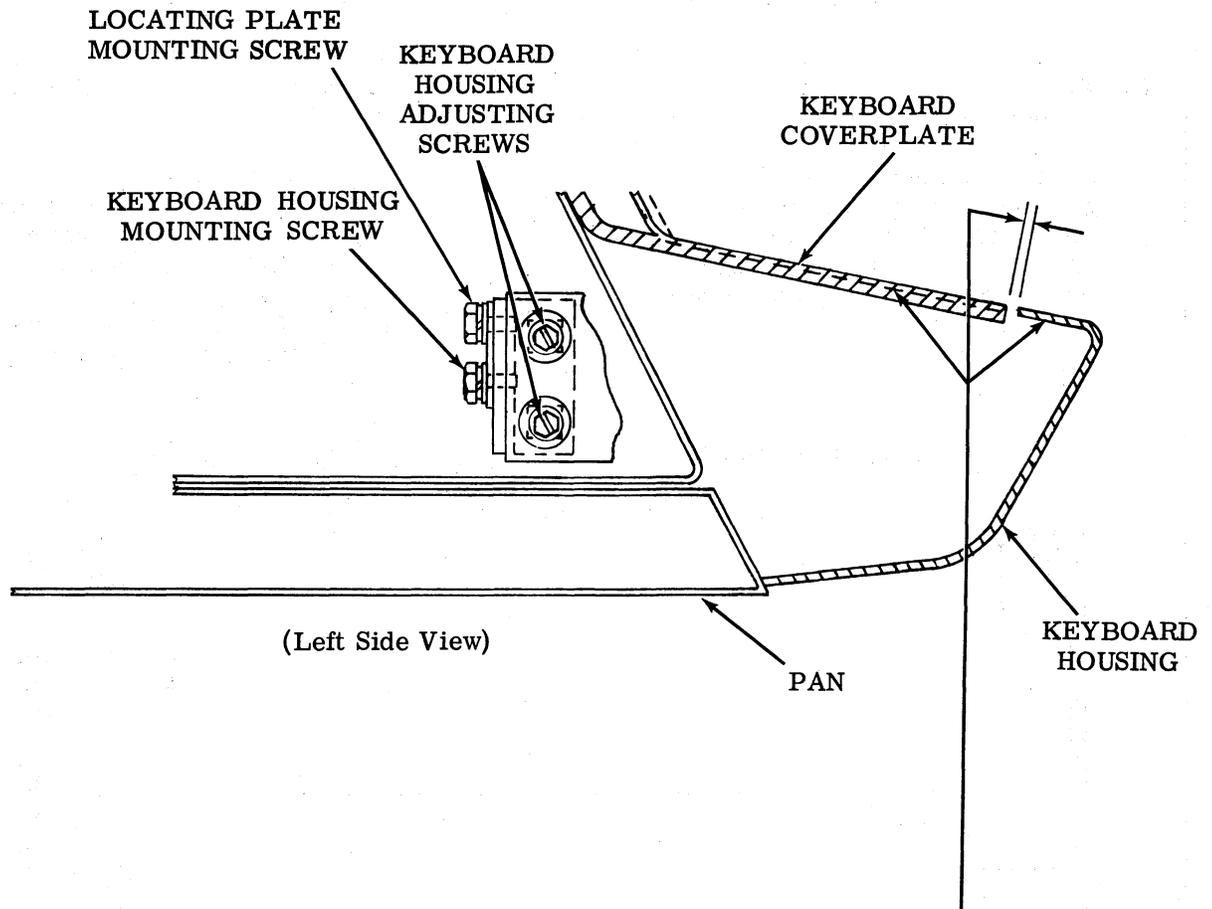


Figure 2 - Typing Unit Cover and Pan

2. BASIC UNIT

2.01 Keyboard Housing

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



KEYBOARD HOUSING POSITION (STANDARD COVER)

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 (2.12). Loosen friction tight two keyboard housing mounting screws, the locating plate mounting screw, and four keyboard housing adjusting screws. 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 adjusting screws.

2.02 Keyboard Housing (continued)

Note: In RO sets, a lower front panel replaces the keyboard and keyboard housing. Its adjustment is the same as for keyboard housing.

KEYBOARD HOUSING POSITION
(SKINTIGHT COVER)

(1) Requirement

Left and right side gap between housing (or lower front panel) and pan should be approximately equal as gauged by eye.

To Adjust

With mounting screws along bottom of pan, two locating posts, four support mounting screws all friction tight, position housing (or lower front panel) left to right to meet requirement. Tighten housing (or lower front panel) mounting screws along bottom surface of pan.

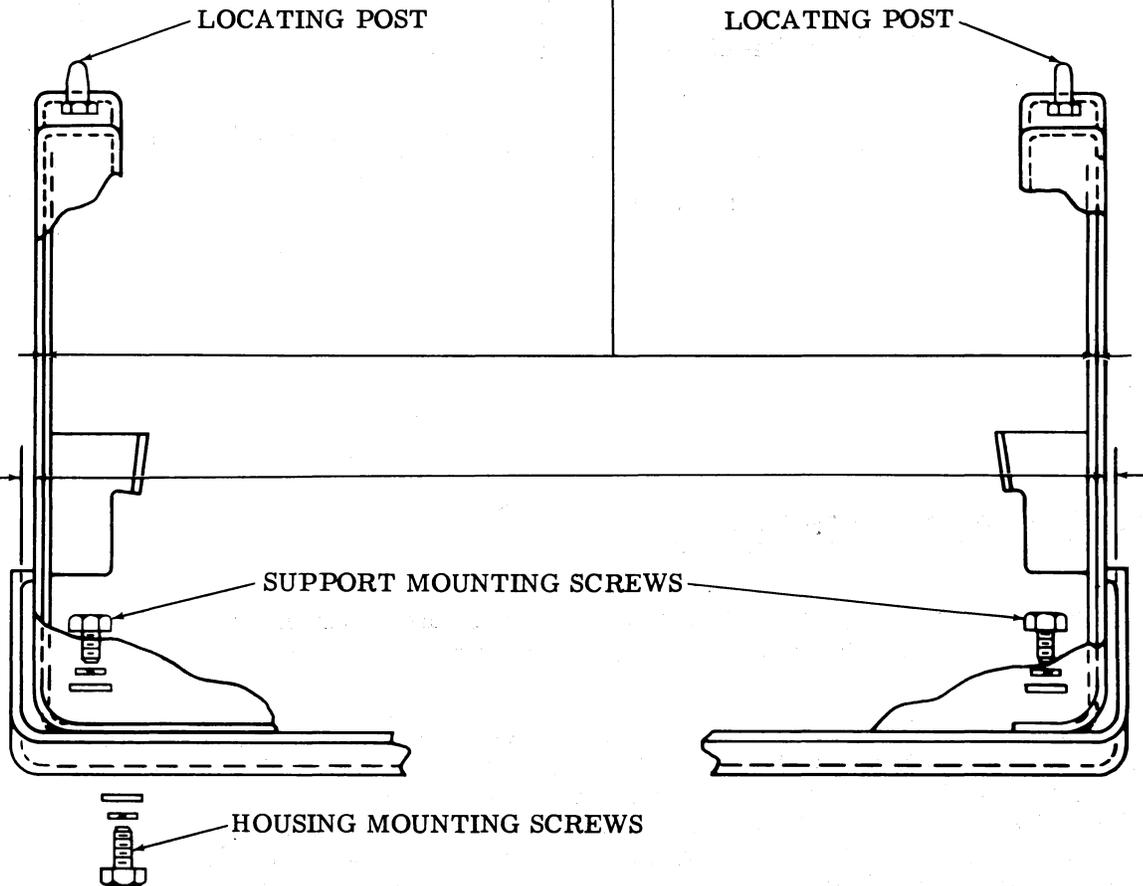
(2) Requirement

Housing support bracket should be positioned against keyboard housing (both left and right brackets). Surface contact between support bracket and housing is not required along entire surface.

Note: This is preliminary, and may be necessary to readjust in final assembly.

To Adjust

With housing support bracket mounting screws and locating posts friction tight, position support brackets to meet requirement. Tighten four mounting screws prior to tightening two locating posts.



(Front View)

2.03 Cover

(A) COVER CENTERING (STANDARD COVER)

(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, and both sides within 0.035 inch measured at midpoint.

To Adjust

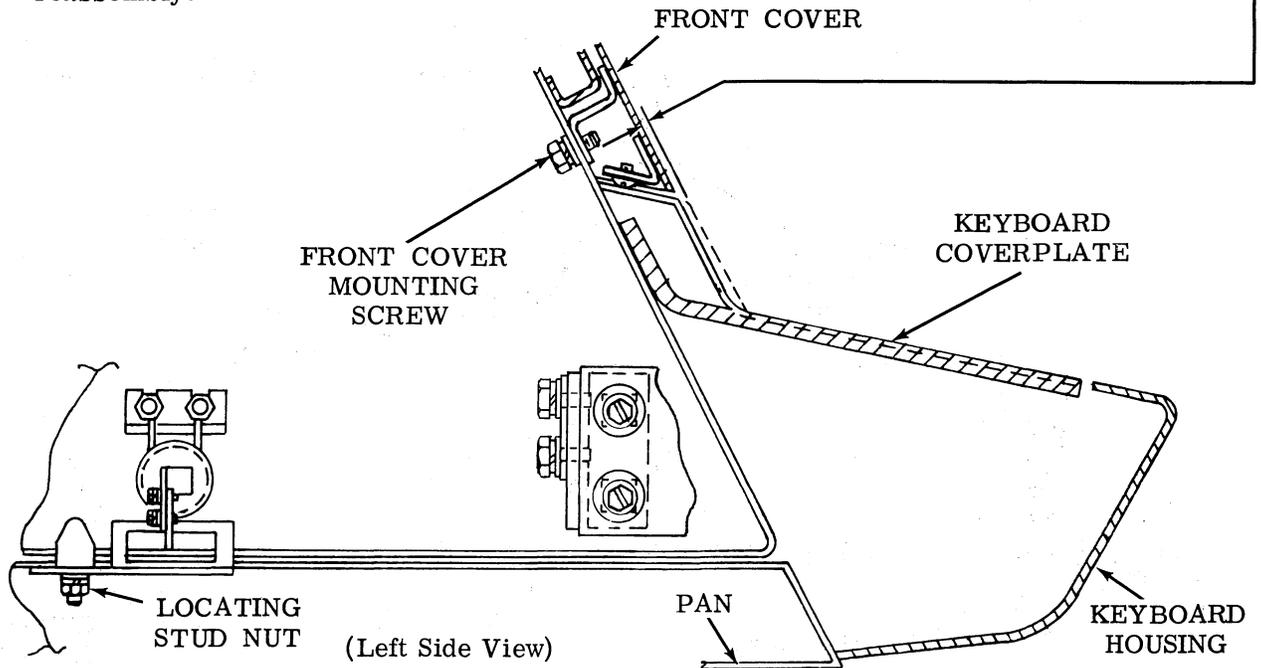
Loosen four hinge mounting screws and two locating stud nuts friction tight.

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.



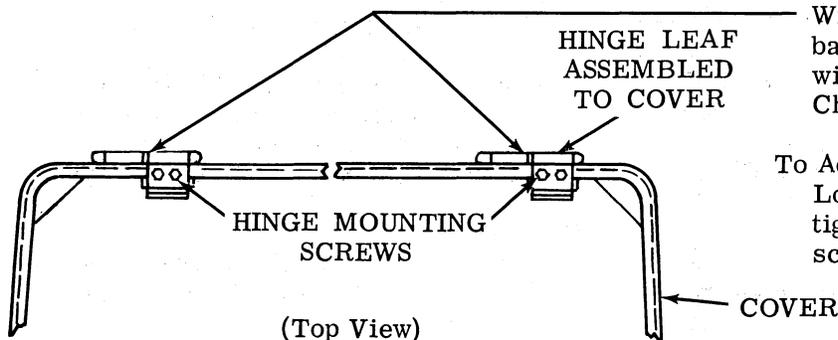
(B) COVER HINGE POSITION (STANDARD COVER)

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.



2.04 Cover (continued)

(A) COVER CENTERING (SKINTIGHT COVER)

(1) Requirement

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

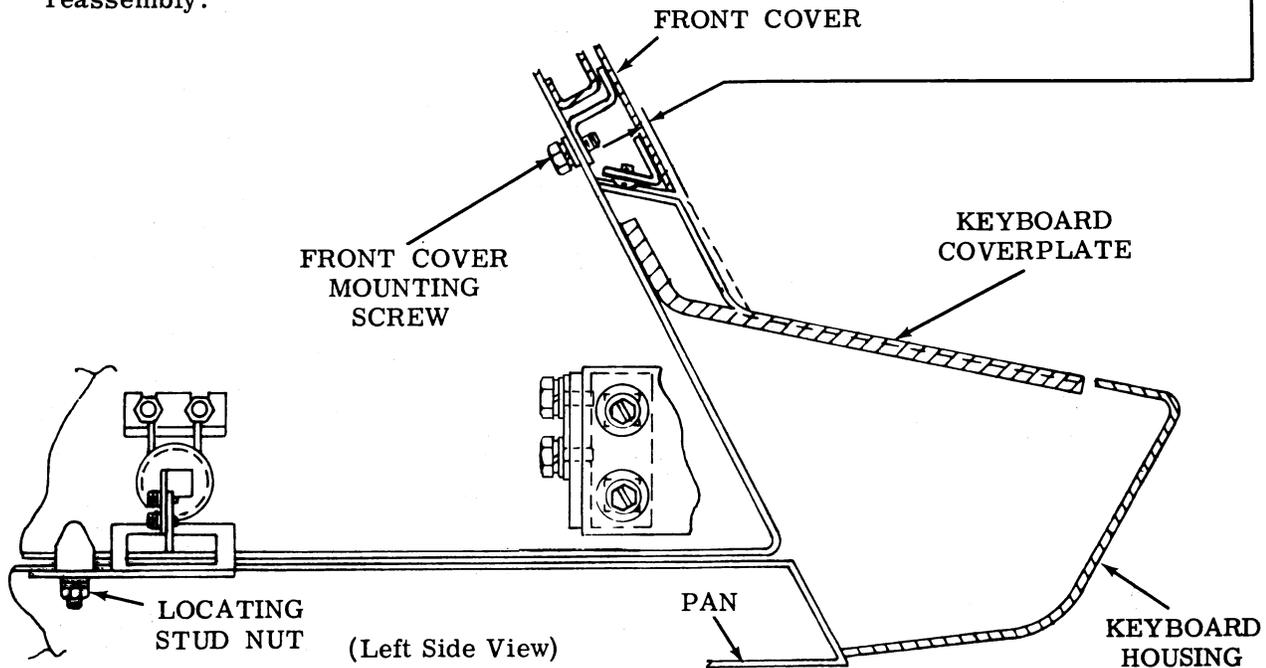
(2) Requirement

Bottom leading edge of front cover should be
 Min 0.030 inch---Max 0.125 inch
 under flush with leading edge of keyboard housing, and both sides
 within 0.062 inch measured at midpoint.

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.



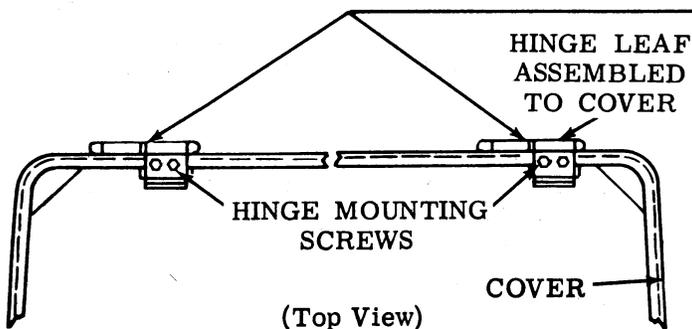
(B) COVER HINGE POSITION (SKINTIGHT COVER)

Requirement

With cover closed, there should be
 ---Max 0.040 inch
 gap at point of least gap between end
 of hinge barrel and mating hinge on
 pan. Hinge barrel should be in line
 with mating barrel as gauged by eye.

To Adjust

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



2.05 Cover (continued)

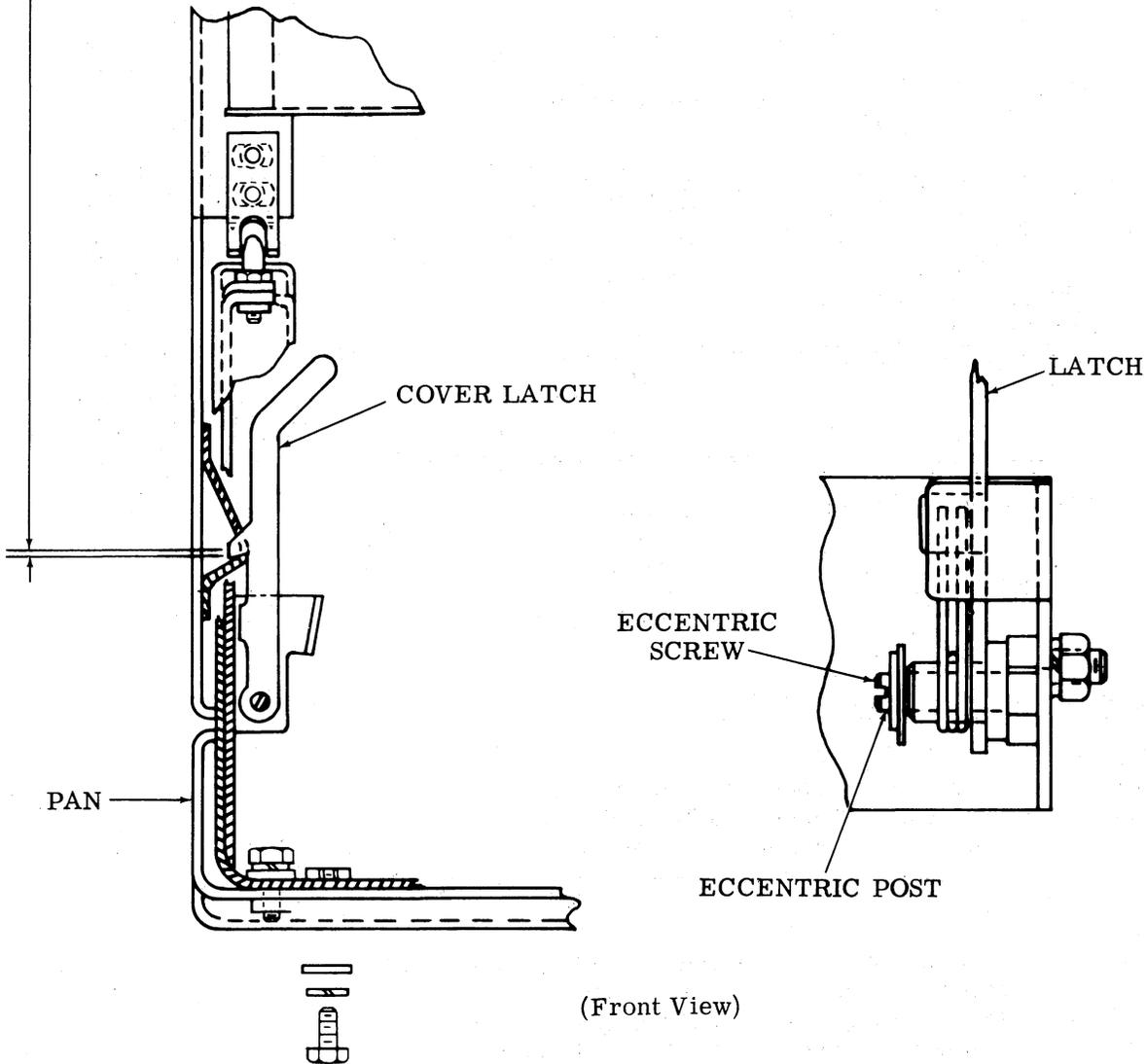
LATCH (SKINTIGHT COVER)

Requirement

With left side retaining arm disconnected from the shoulder screw there should be Min some---Max 0.047 inch clearance between cover latch and latching surface spotwelded to cover. This requirement applies to both left and right side.

To Adjust

With eccentric screw friction tight, rotate eccentric post to meet requirement. Tighten mounting nut. Replace left side retaining arm.



(Front View)

2.06 Cover (continued)

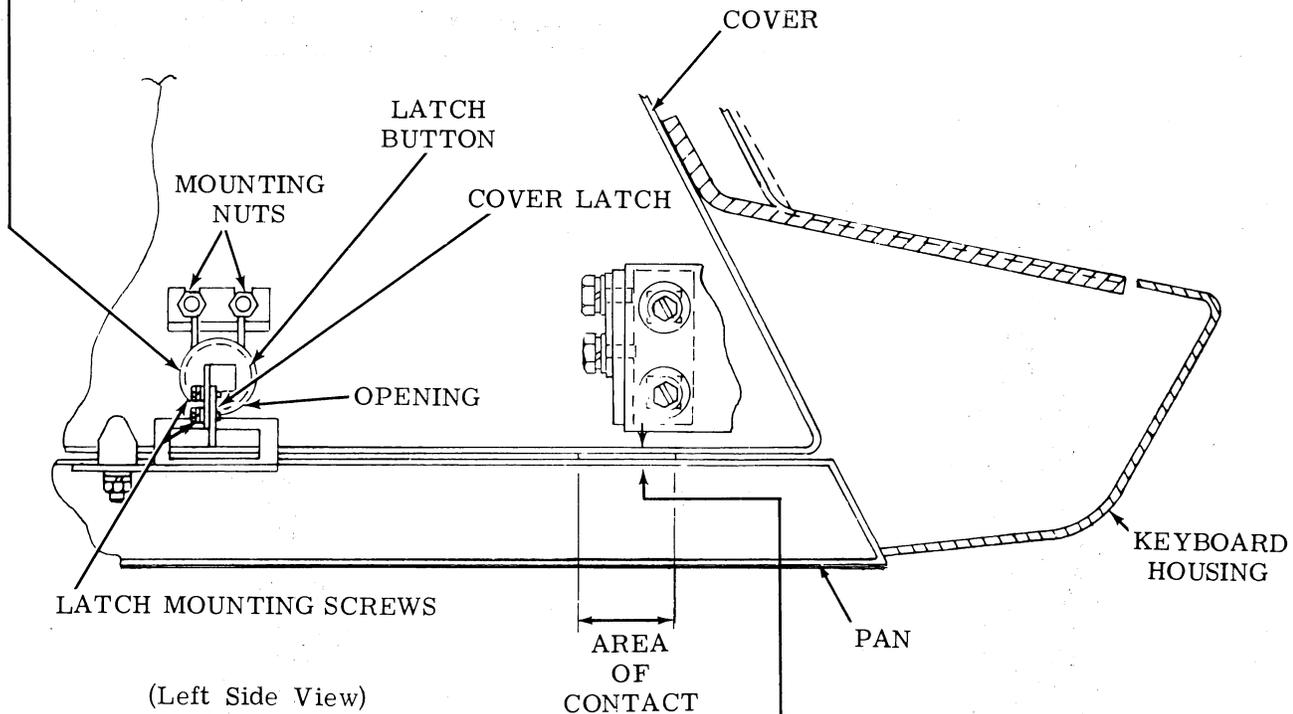
(A) COVER LATCH CENTERING (STANDARD COVER)

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 (STANDARD COVER)

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 (2.07). 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.

2.07 Front Cover and Front Lid

(B) FRONT LID SPRING

(1) Requirement

Front lid spring should contact front surface of top lid without binding against front cover.

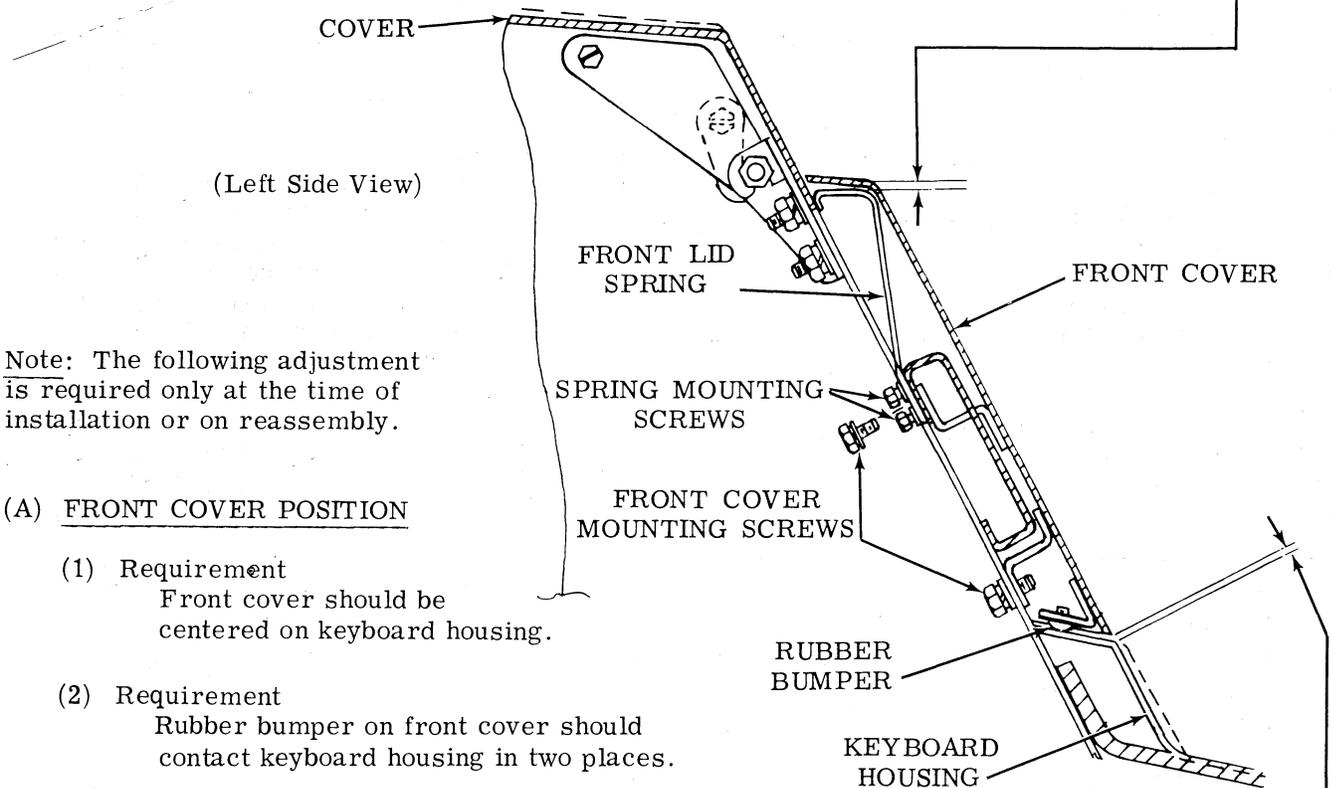
(2) Requirement

With front lid properly adjusted (2.08) and release buttons depressed, front lid should open.

To Adjust

Loosen spring mounting screws. Position spring up or down to meet requirements.

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, at midpoint, should be

Standard Cover
Min some---Max 0.040

Skintight Cover

Min some---Max 0.060

(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.

2.08 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

Standard Cover

Max 0.040 inch above flush or
Max 0.020 inch under flush.

Skintight Cover

Max 0.040 inch above flush or
Max 0.040 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

Standard Cover

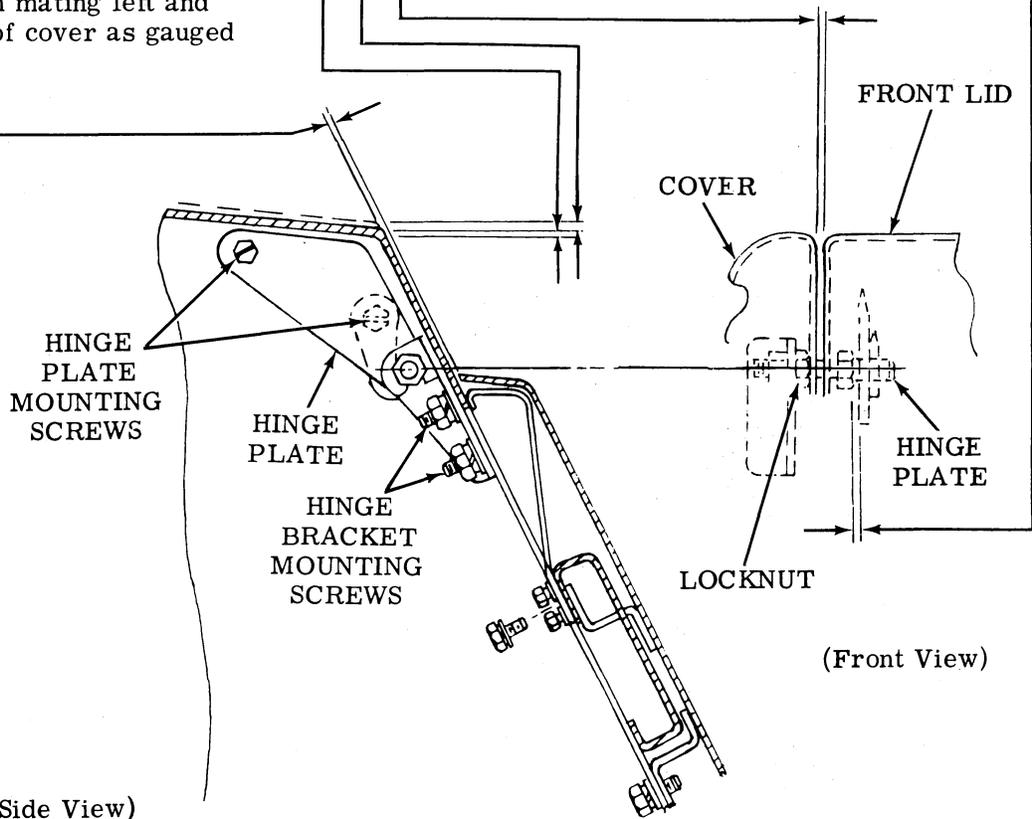
Min some---Max 0.010 inch

Skintight Cover

Min some---Max 0.020 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.



(Left Side View)

(Front View)

2.09 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

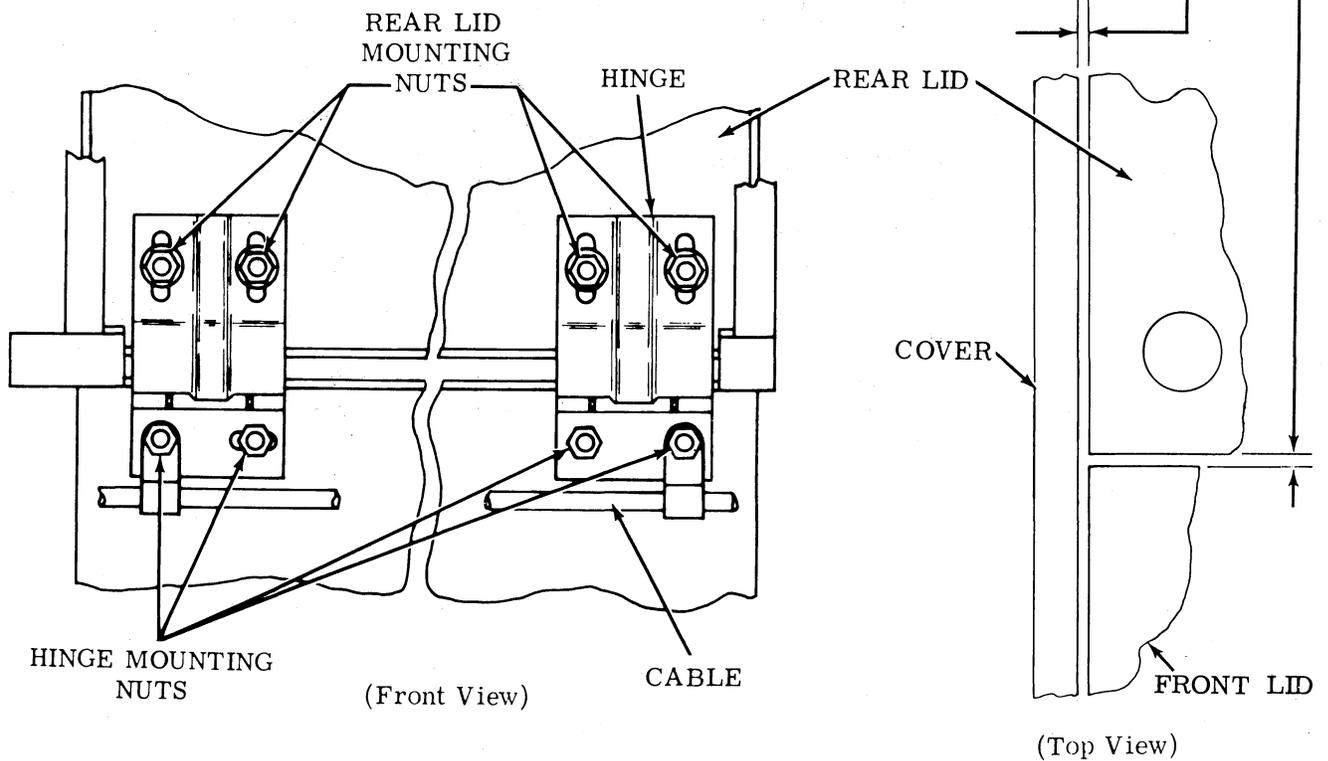
Rear lid should be centered in cover opening from left to right as gauged by eye.

(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.



2.10 Rear Lid (continued)

REAR LID/WEAR STRIP (SPROCKET FEED ONLY)

Requirement (wide platen units)

Clearance between rear lid and wear strip should be minimum 1/8 inch.

To Adjust

With rear lid mounting nuts loosened, position rear lid for required clearance. Tighten nuts. (Rear lid mounting nuts are on inside of rear lid at hinges.)

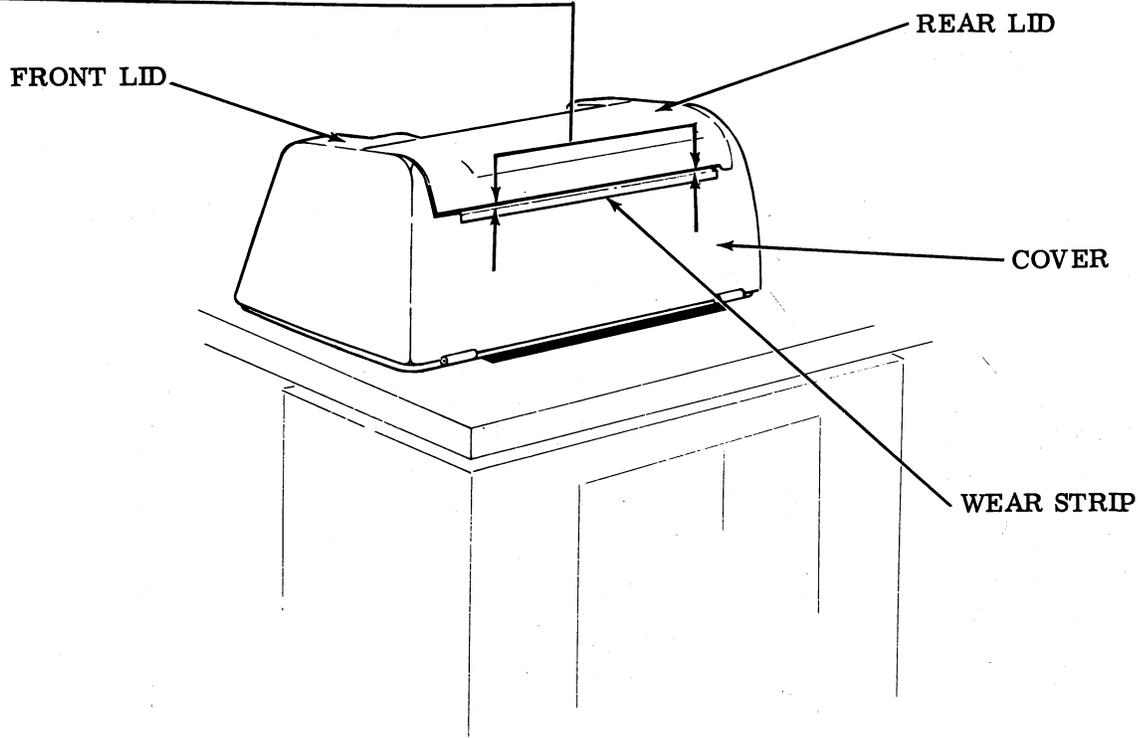
Note: While making this adjustment, make sure that the REAR LID CLEARANCE (2.09) Requirement is still met. Remake adjustments, if necessary, to maintain both requirements.

Requirement (standard platen units)

Clearance between rear lid and wear strip should be kept toward the maximum of adjustment range.

To Adjust

With rear lid mounting nuts loosened, position rear lid, making sure REAR LID CLEARANCE (2.09) Requirement is still met. Tighten nuts.



(Right Rear View)

2.11 Front Lid and Rear Lid (continued)

(B) FRONT LID LATCH CLEARANCE

Requirement

With front lid latched and against rear lid extension

Standard Cover

Min some---Max 0.015 inch

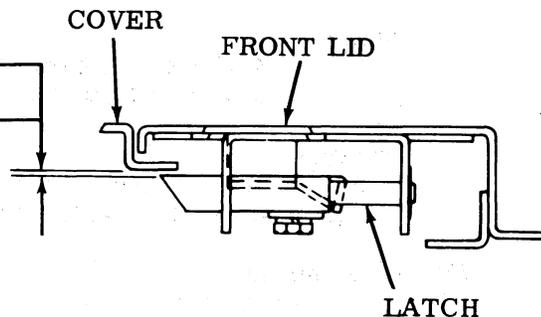
Skintight Cover

Min some---Max 0.025 inch

between front lid latch and cover latching surface.

To Adjust

Loosen four lid stop mounting screws. Position rear lid up or down to meet requirement.



(Front View)

(C) FRONT LID LATCH ENGAGEMENT

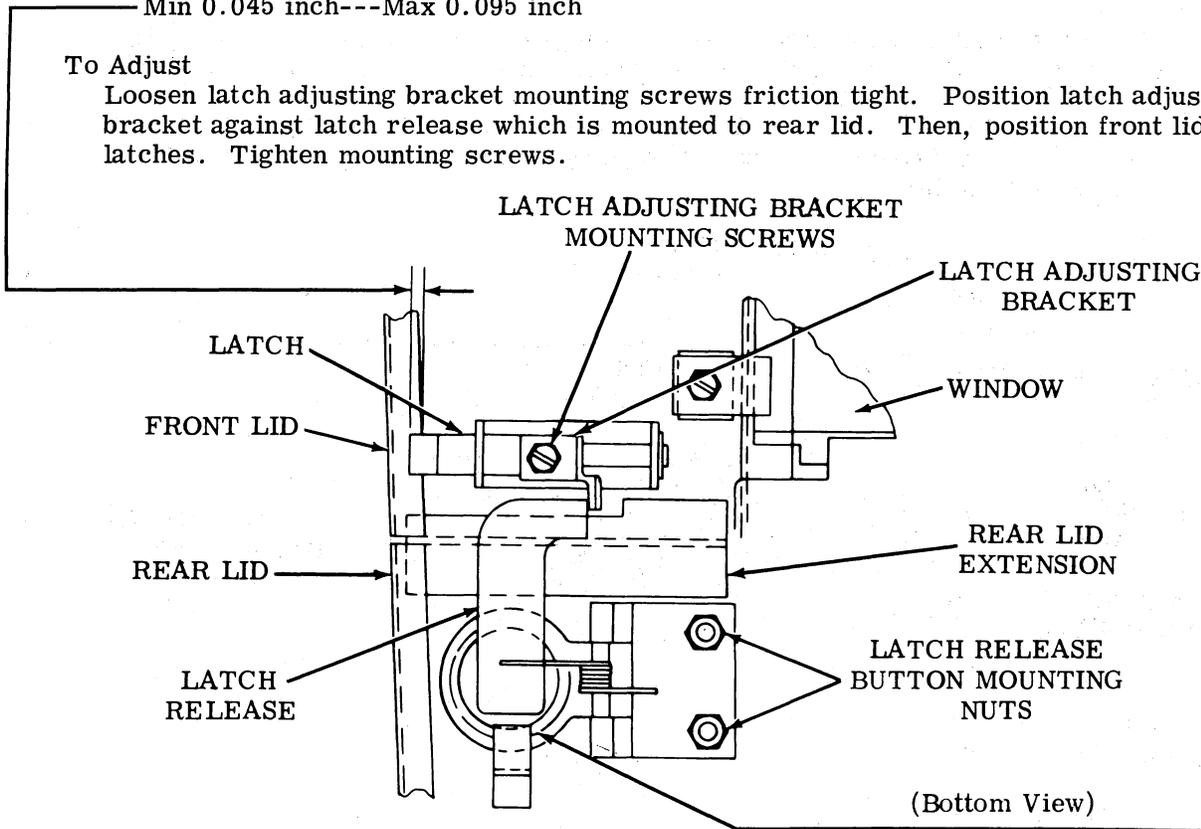
Requirement

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 (STANDARD COVER)

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.

2.12 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.

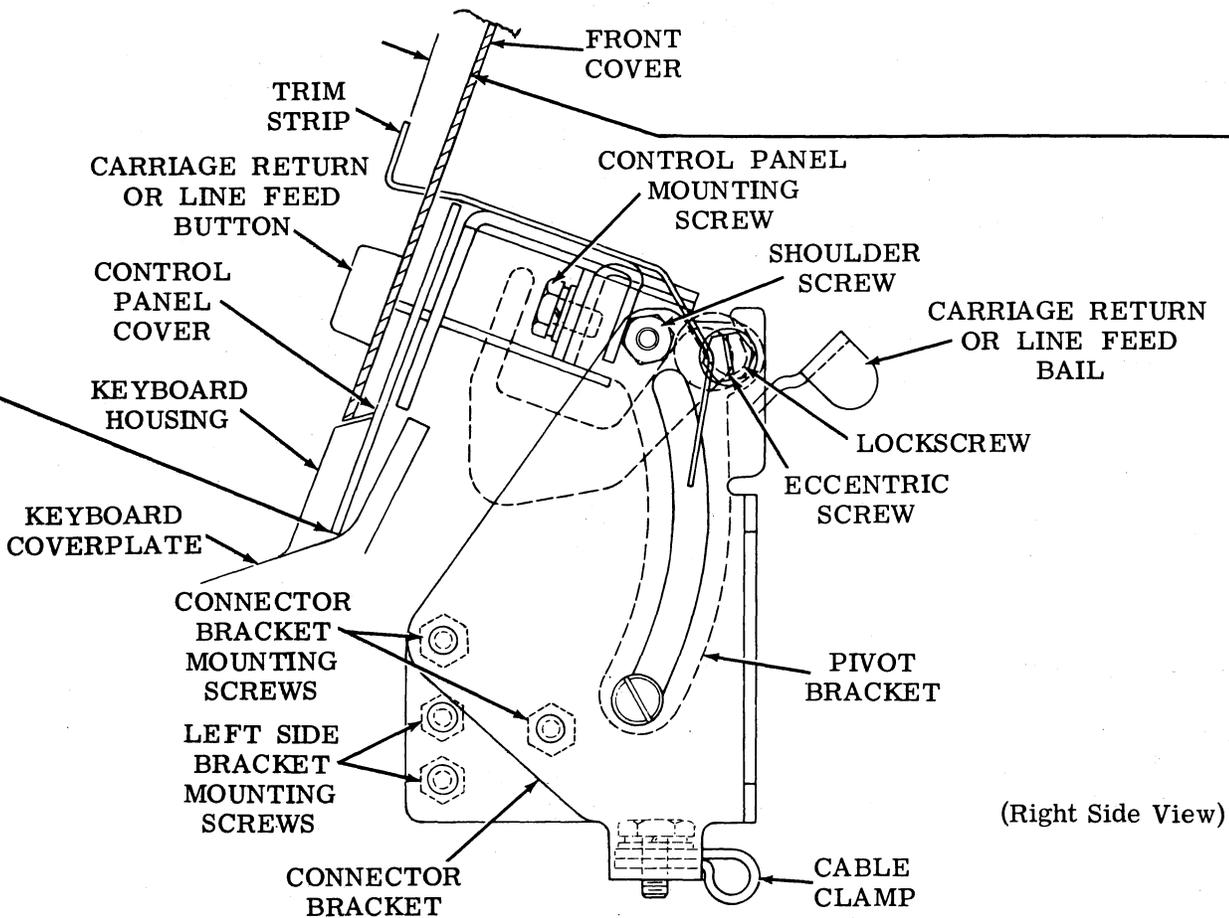
(2) Requirement

There should be a gap
— Max 0.031 inch

between bottom edge of control panel cover and top surface of keyboard coverplate. Measure gap two inches inward from left and right side.

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 (2.13).



(Right Side View)

2.13 Control Panel (continued)

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

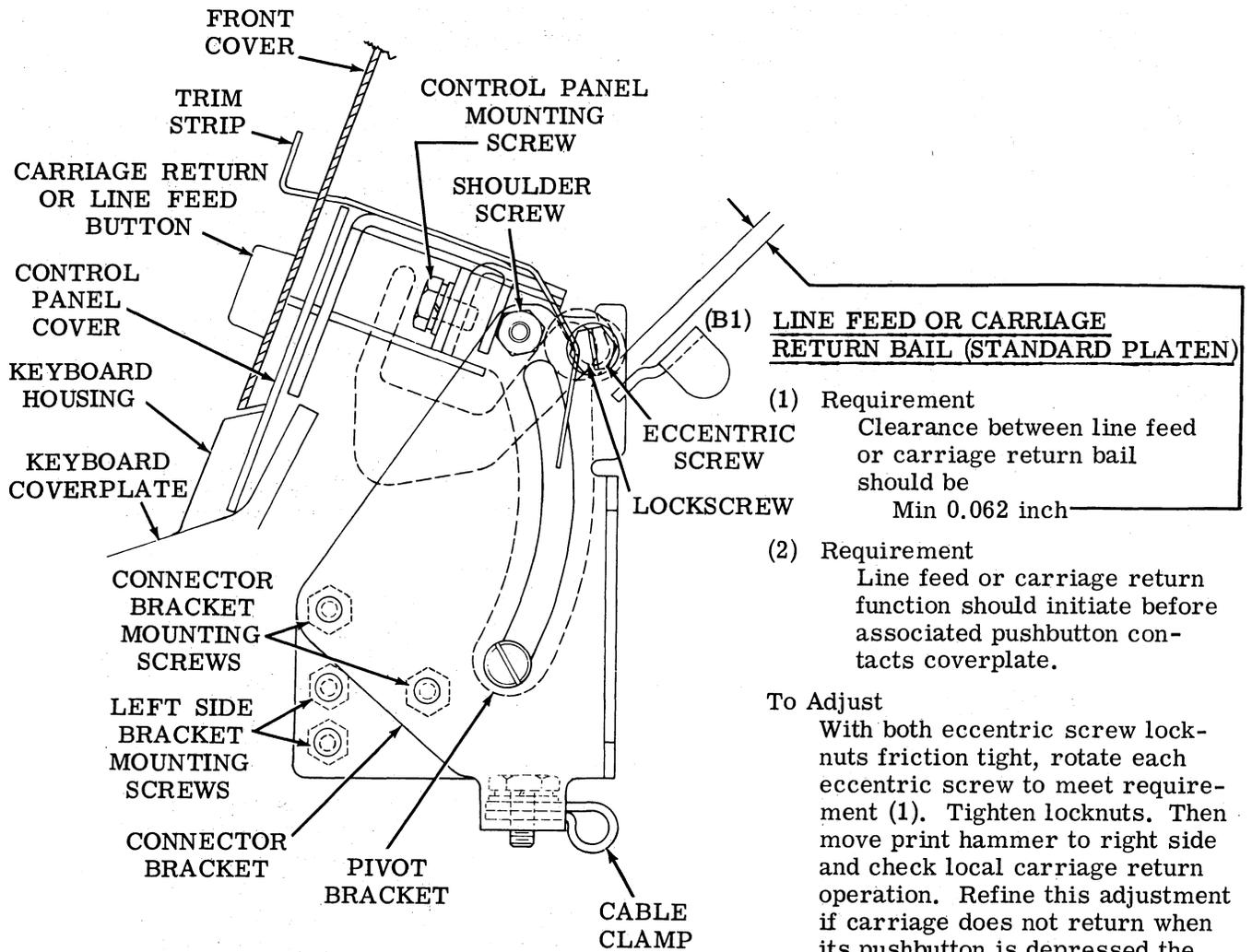
(A) CONTROL PANEL CENTERING

Requirement

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

To Adjust

While maintaining CONTROL PANEL POSITION (2.12), position control panel left or right to meet requirement. Tighten control panel mounting screws.



(Right Side View)

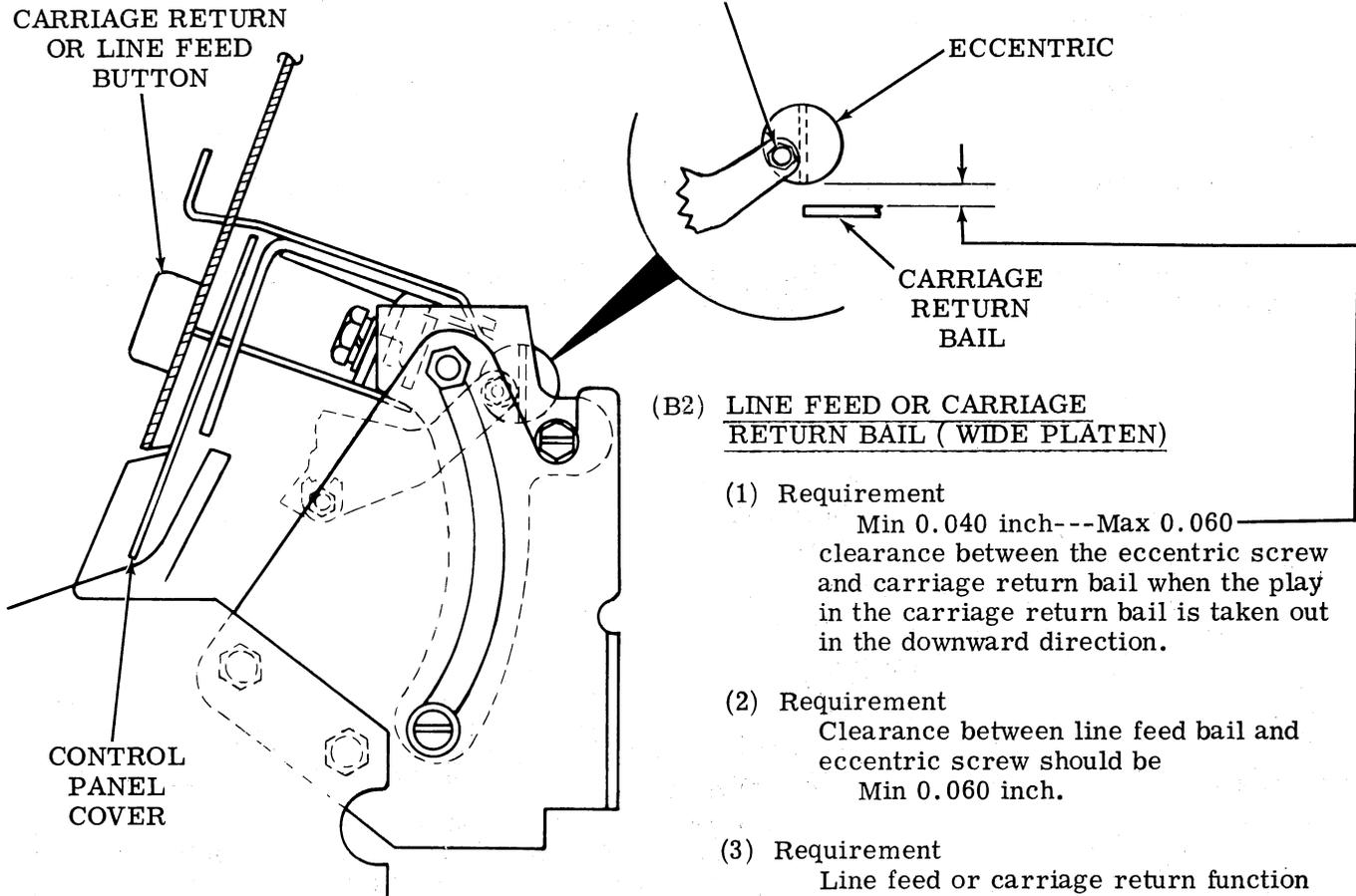
- (B1) LINE FEED OR CARRIAGE RETURN BAIL (STANDARD PLATEN)
- (1) Requirement
Clearance between line feed or carriage return bail should be
Min 0.062 inch
 - (2) Requirement
Line feed or carriage return function should initiate before associated pushbutton contacts coverplate.

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).

2.14 Control Panel (continued)



(B2) LINE FEED OR CARRIAGE RETURN BAIL (WIDE PLATEN)

- (1) Requirement
 Min 0.040 inch---Max 0.060 inch
 clearance between the eccentric screw and carriage return bail when the play in the carriage return bail is taken out in the downward direction.
- (2) Requirement
 Clearance between line feed bail and eccentric screw should be
 Min 0.060 inch.
- (3) Requirement
 Line feed or carriage return function should initiate before associated push-button contacts control panel cover.

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 (2).

To Adjust

With both eccentric screw locknuts friction tight, rotate each eccentric screw to meet requirements (1) and (2). Tighten locknuts. Then check local carriage return and line feed operation. Refine adjustments if carriage does not return when its pushbutton is depressed the full amount of travel.