

35A-1 LINE CONTROLLER FOR  
8A1 DATA SELECTIVE CALLING SYSTEM  
ADJUSTMENTS

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SECTION 581-121-700

1.06 If parts are removed, all adjustments which the removal of these parts might facilitate should be made before the parts are replaced. When a part mounted on shims is removed, the number of shims at each mounting screw should be noted so that identical piles can be made when the part is replaced. After an adjustment has been made, all nuts

and screws that were loosened should be tightened unless specifically stated otherwise.

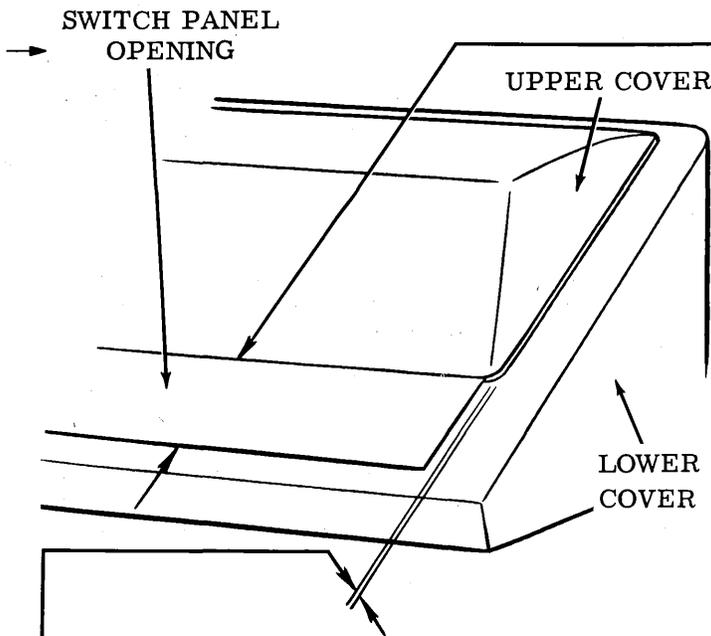
1.07 Springs which do not meet the requirements and for which there are no adjusting procedures, should be discarded and replaced by new springs.

2. BASIC UNITS

CABINET

2.01 Upper Cover

FRONT-TO-REAR UPPER COVER POSITION



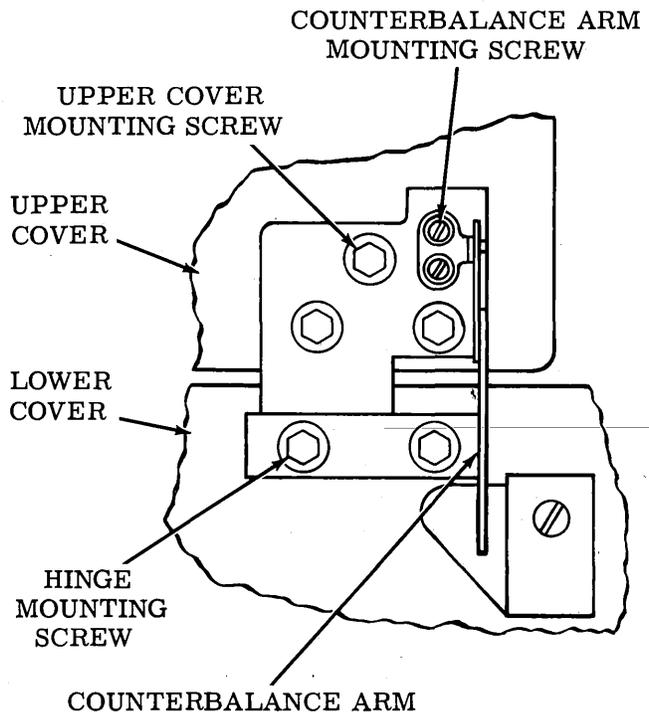
Requirement  
Min 4-1/2 inches---Max 4-5/8 inches  
between front of upper cover and edge of switch panel opening in lower cover.

To Adjust  
Remove counterbalance arm mounting screws. Loosen three upper cover mounting screws at each hinge. Position upper cover. Tighten screws. Replace counterbalance arm and mounting screws.

UPPER COVER CLEARANCE - LATCHED

Requirement  
Min 0.015 inch---Max 0.090 inch  
clearance at all points between bottom edge of upper cover and lower cover.

To Adjust  
Loosen two hinge mounting screws at each hinge. Position hinges to meet requirement. Tighten screws.



(RIGHT HINGE)

2.02 Upper Cover - continued

UPPER COVER LATCH

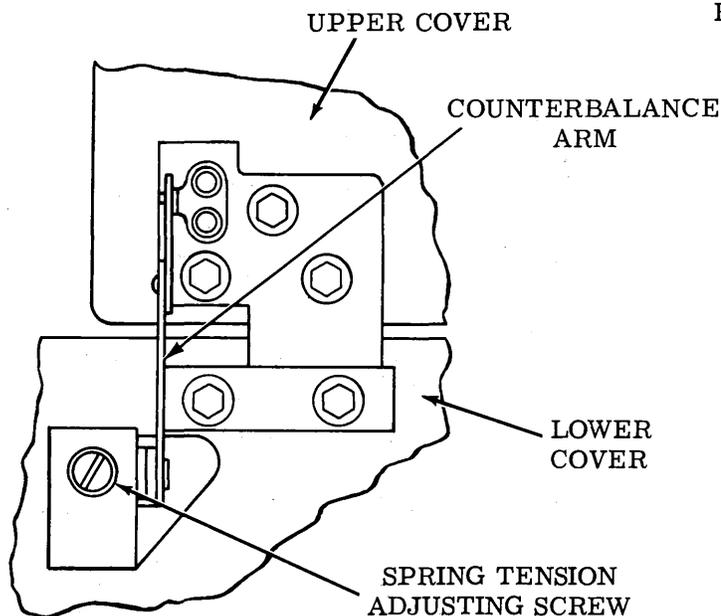
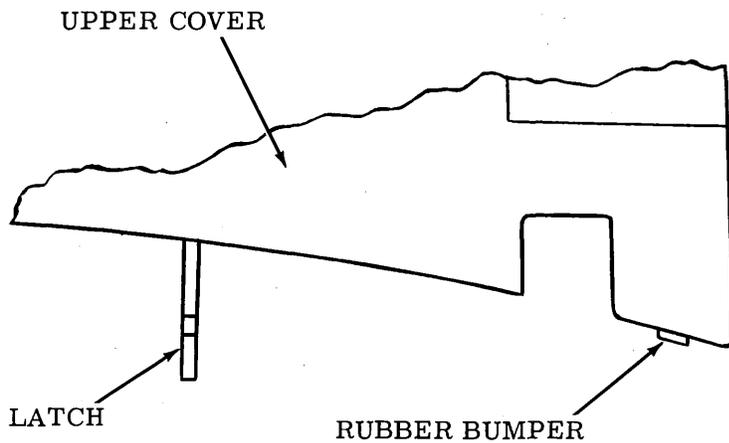
Requirement

Upper cover should latch closed with slight compression of rubber bumpers.

Min 0.015 inch---Max 0.090 inch  
between upper and lower covers at closest point in front corners.

To Adjust

Loosen the latch pivot screw at each latch.  
Position latches to meet requirement.  
Tighten screws.

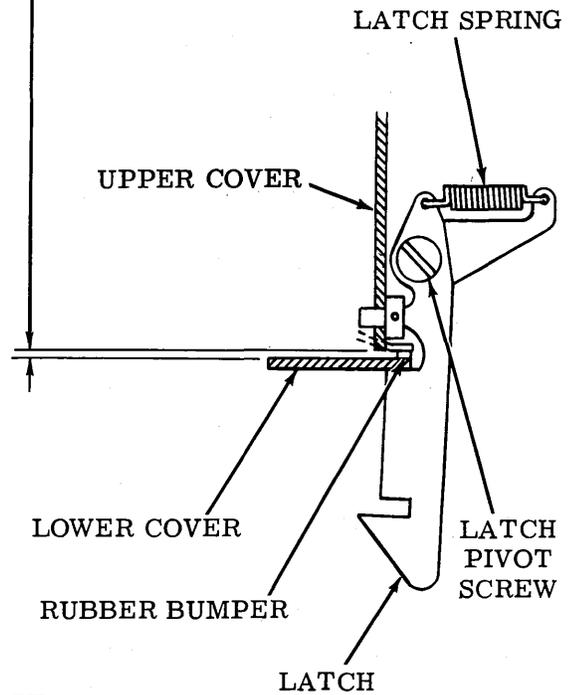


(LEFT HINGE)

UPPER COVER LATCH SPRING

Requirement

Upper cover latch spring should move latch under lower cover when upper cover is closed.



COUNTERBALANCE ARM

Requirement

Upper cover should not fall free from any position to which it is opened. Some pressure should be required to close upper cover.

To Adjust

Tighten spring tension adjusting screws.

2.03 Upper Cover - continued

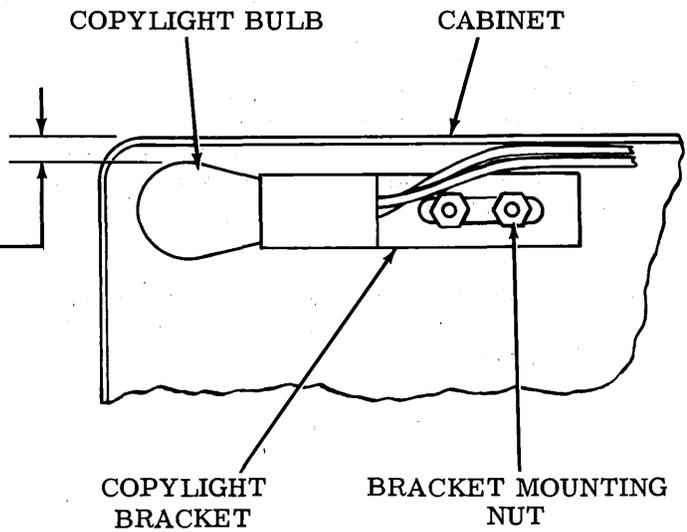
COPYLIGHT BRACKET

Requirement

Min 1/16 inch  
between copylight bulb and cabinet.

To Adjust

Loosen two bracket mounting nuts and position bracket. Tighten nuts.



INTERRELATED ADJUSTMENTS

2.04 Cradle

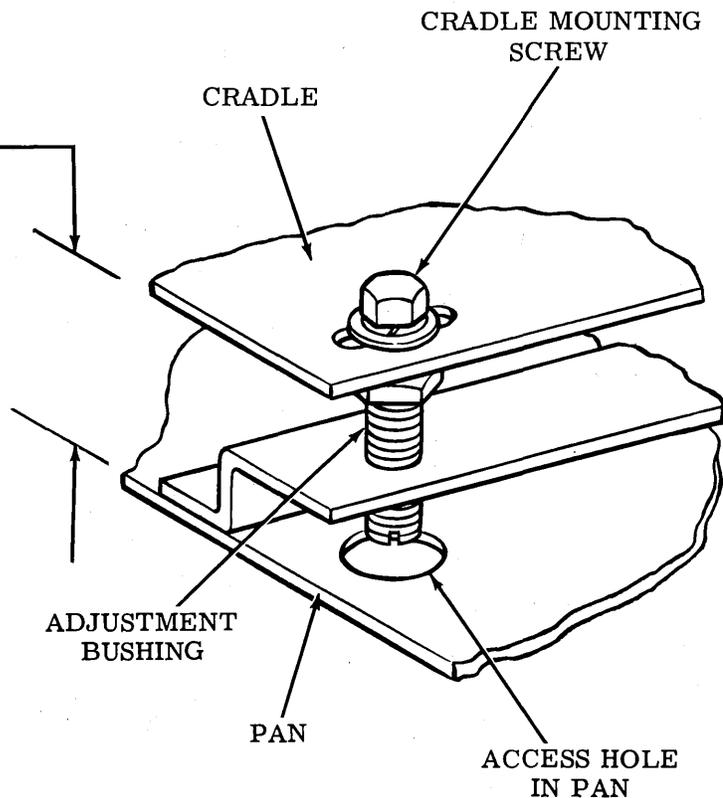
CRADLE HEIGHT

Requirement

Min 1-1/16 inches  
from the pan to the top of the cradle  
at all four corners.

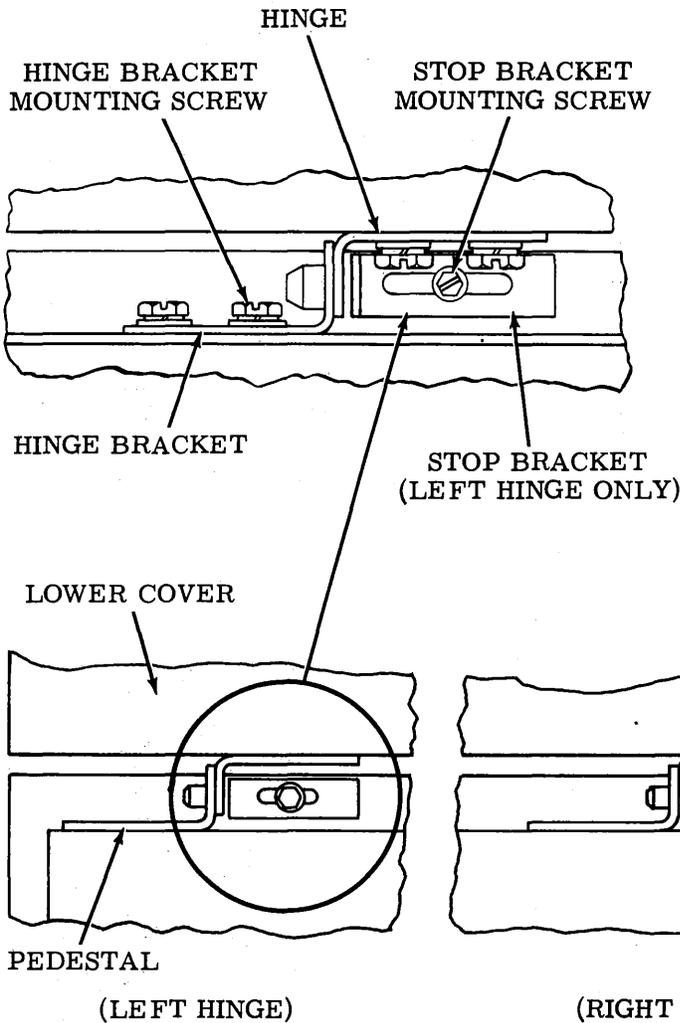
To Adjust

Loosen four cradle mounting screws.  
Using screwdriver, turn adjustment  
bushings from beneath cabinet.  
Tighten cradle mounting screws.



CABINET - continued

2.05 Lower Cover



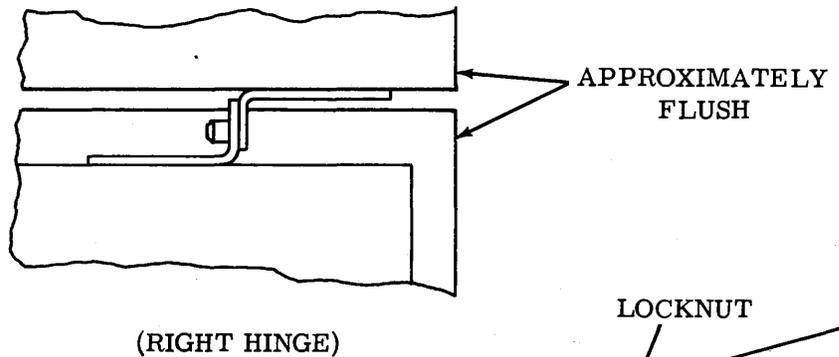
LATERAL POSITION OF LOWER COVER

Requirement

Lower cover should be approximately centered laterally over pedestal.

To Adjust

Loosen four hinge bracket mounting screws holding two hinge brackets to pan. Loosen stop bracket mounting screw. Holding left hinge against left hinge bracket, position left hinge bracket to meet requirement. Position stop bracket loosely against left hinge. Tighten stop bracket mounting screw. Position right hinge bracket loosely against right hinge. Tighten right hinge bracket mounting screws. Check for tightness by raising and lowering cover. If too tight, modify adjustment of stop bracket and/or right hinge bracket.



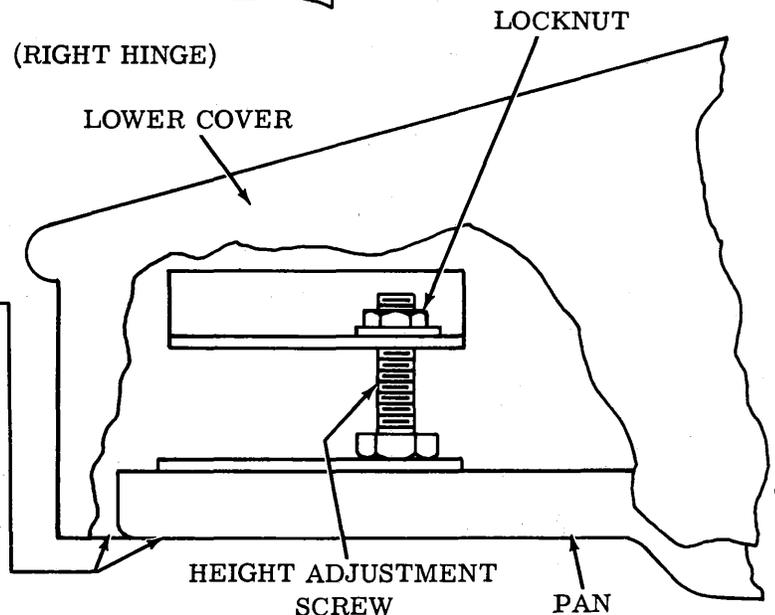
FRONT HEIGHT OF LOWER COVER

Requirement

Bottom of lower cover should be approximately in line with bottom of pan.

To Adjust

Loosen locknuts on two height adjustment screws. Raise or lower height adjustment screws to meet requirement. Tighten locknuts.



2.06 Lower Cover - continued

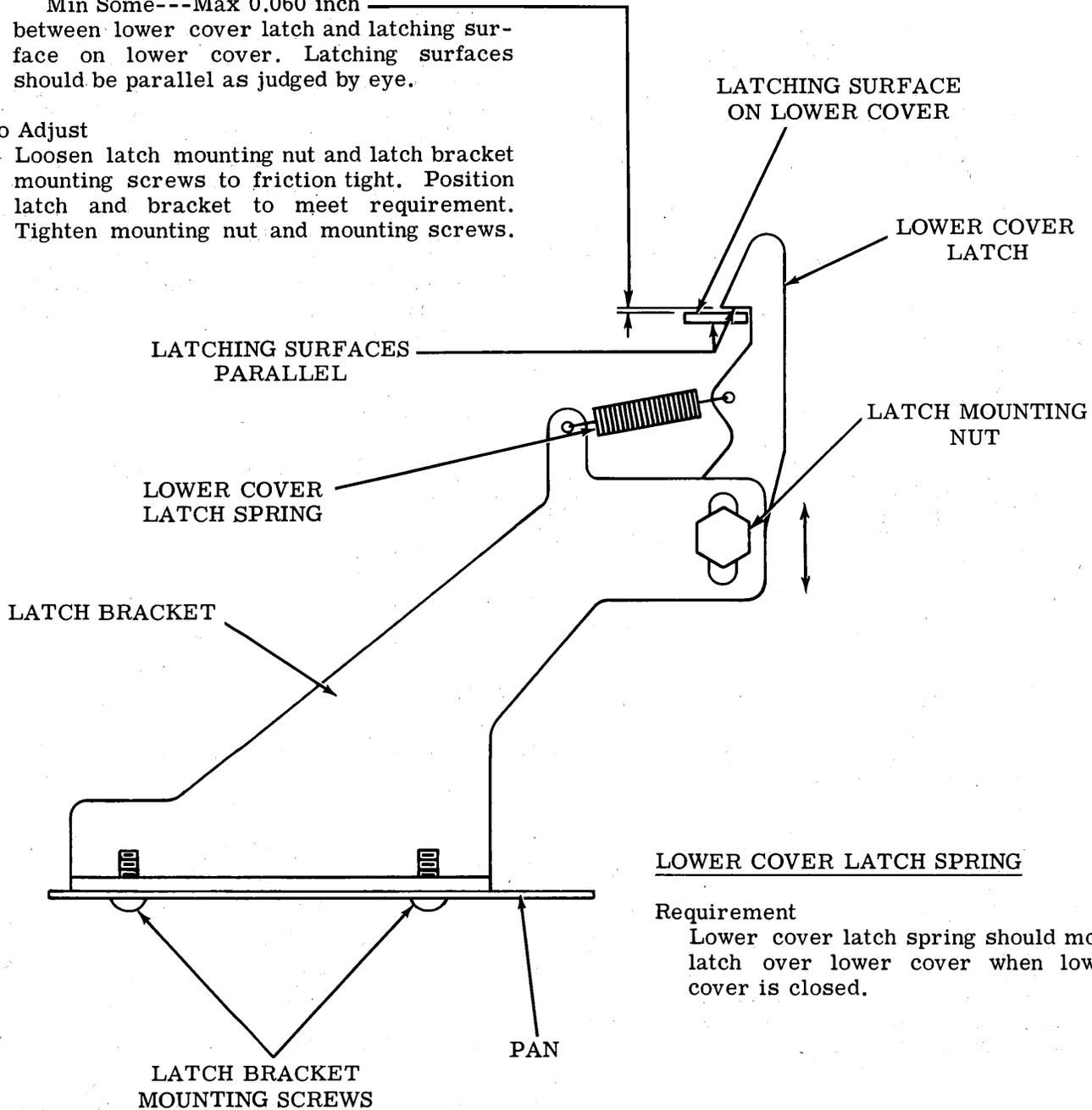
LOWER COVER LATCH

Requirement

Min Some---Max 0.060 inch  
between lower cover latch and latching surface on lower cover. Latching surfaces should be parallel as judged by eye.

To Adjust

Loosen latch mounting nut and latch bracket mounting screws to friction tight. Position latch and bracket to meet requirement. Tighten mounting nut and mounting screws.



LOWER COVER LATCH SPRING

Requirement

Lower cover latch spring should move latch over lower cover when lower cover is closed.

INTERRELATED ADJUSTMENTS - continued

2.07 Switch Panel

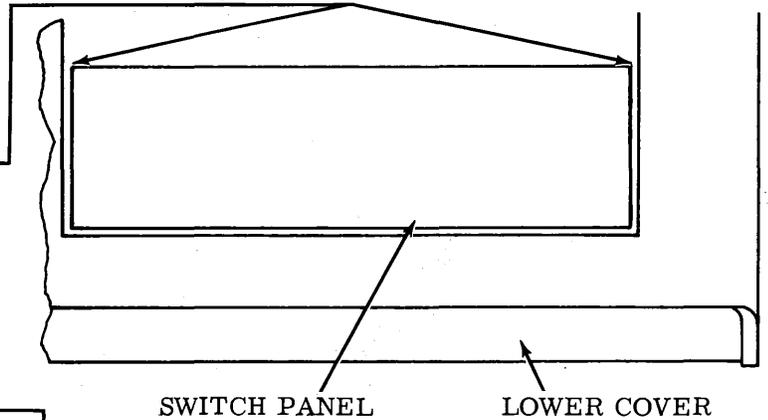
LATERAL SWITCH PANEL POSITION

Requirement

Switch panel should be centered in opening of lower cover.

To Adjust

Loosen panel bracket mounting screws. Position panel and bracket assembly. Tighten screws friction tight. Proceed with Front-to-Rear Switch Panel Position.



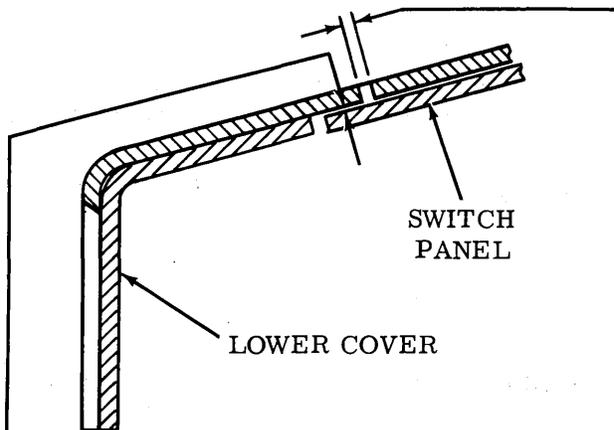
FRONT-TO-REAR SWITCH PANEL POSITION

Requirement

Min 0.015 inch---Max 0.095 inch between front edge of switch panel and edge of lower cover.

To Adjust

With panel bracket mounting screws friction tight, position panel and bracket assembly being careful to retain previous lateral adjustment. Tighten mounting screws.



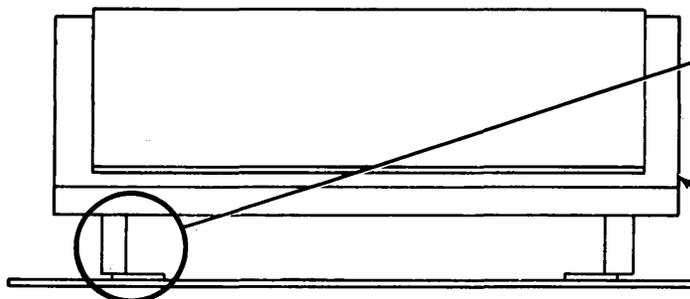
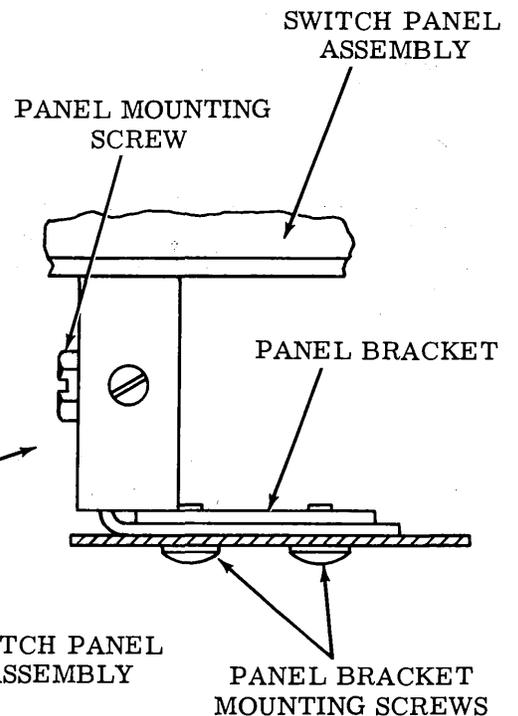
SWITCH PANEL HEIGHT

Requirement

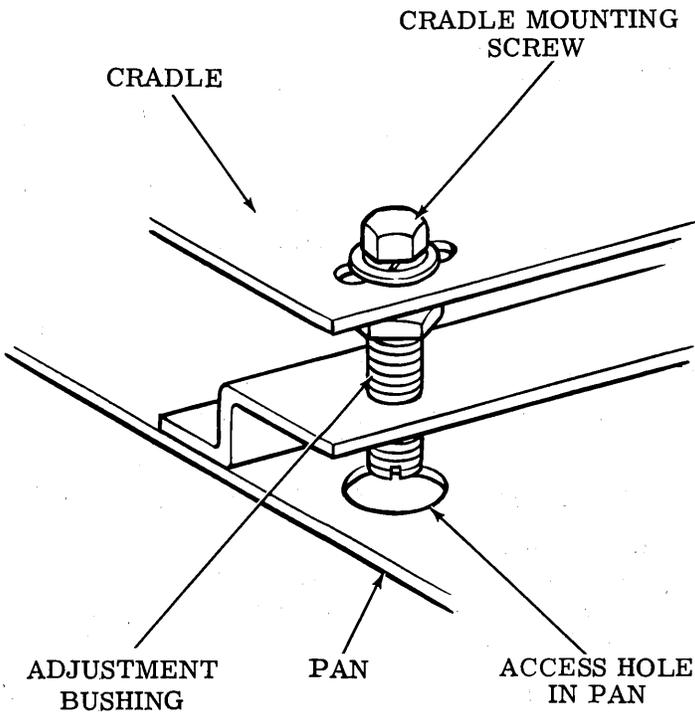
With lower cover latched, clearance between switch panel and lower cover should be Min 0.005 inch---Max 0.031 inch. Switch panel should be parallel with lower cover.

To Adjust

Loosen panel mounting screw on each side of assembly. Position assembly. Tighten screws.



2.08 Cradle - continued



CRADLE FRONT-TO-REAR

Requirement

Tape from reperfocator should exit in approximate center of tape exit opening in upper cover. (Range knob and tape feed wheel should clear upper cover.)

To Adjust

Loosen cradle mounting screws (four) and position cradle. Tighten screws.

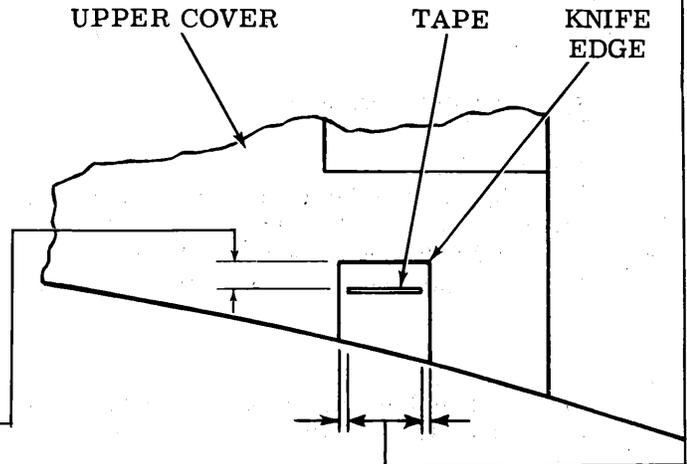
2.09 Tape Knife

→ TAPE KNIFE

Requirement

With both covers latched in place, tape from reperfocator, when held taut and horizontal, should clear knife edge of upper cover by

Min 3/32 inch.



To Adjust

Loosen two knife mounting screws and move the blade up or down until requirement is met. Tighten screws.

2.10 Distributor

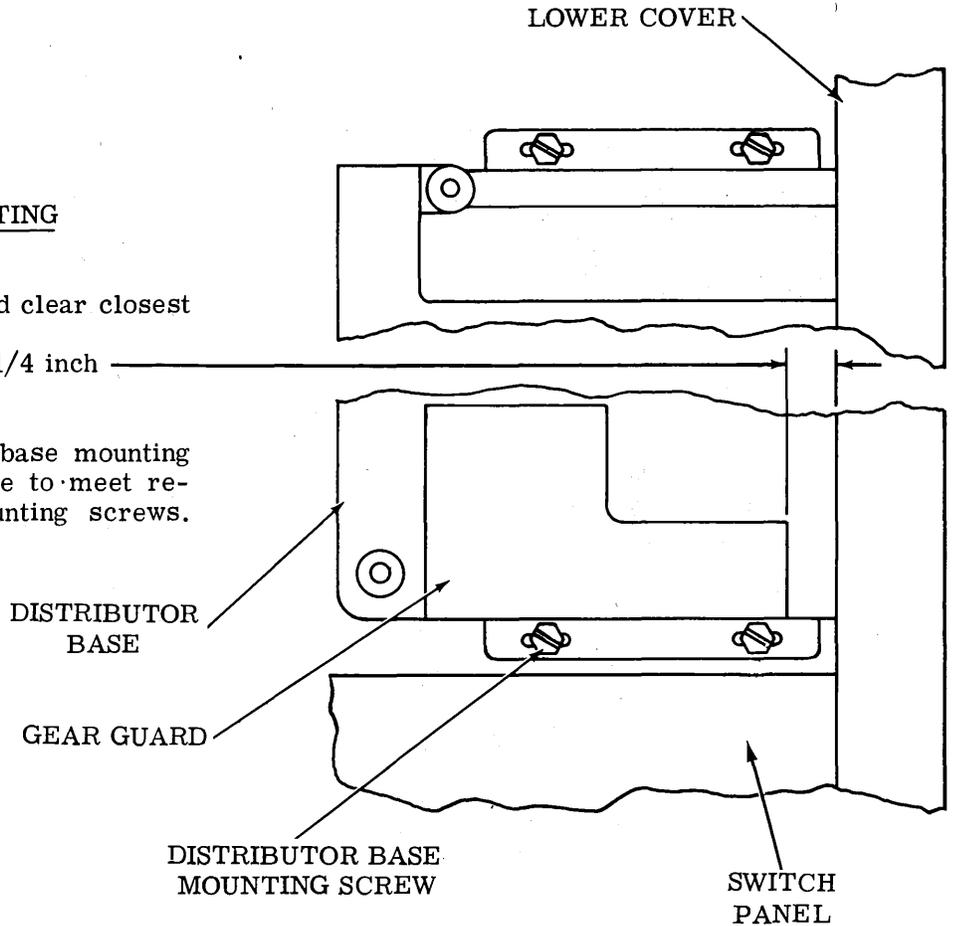
DISTRIBUTOR BASE MOUNTING

Requirement

Gear guard on base should clear closest point on cover by  
 Min 3/16 inch---Max 1/4 inch

To Adjust

Loosen four distributor base mounting screws and position base to meet requirement. Tighten mounting screws.



2.11 Reperforator

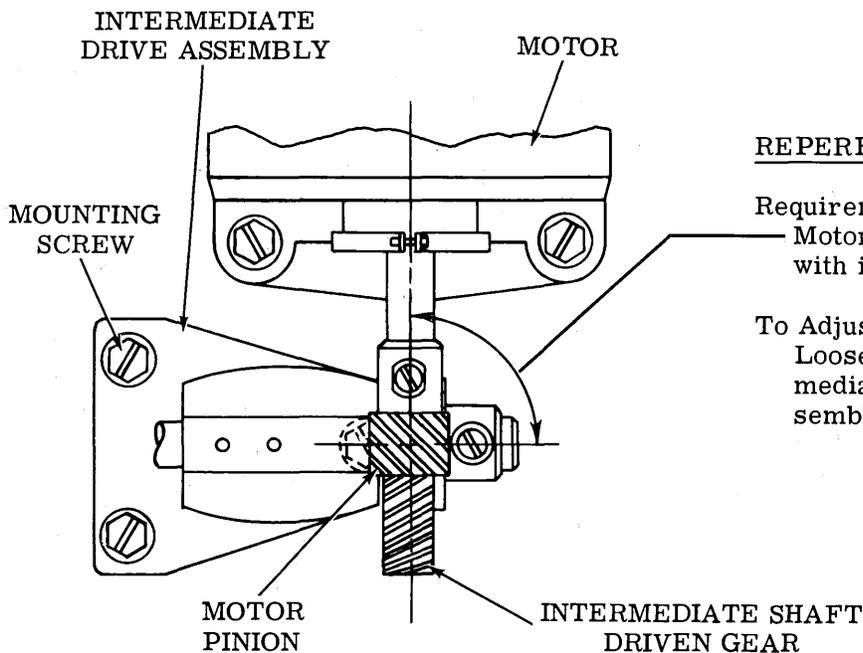
REPERFORATOR INTERMEDIATE DRIVE

Requirement

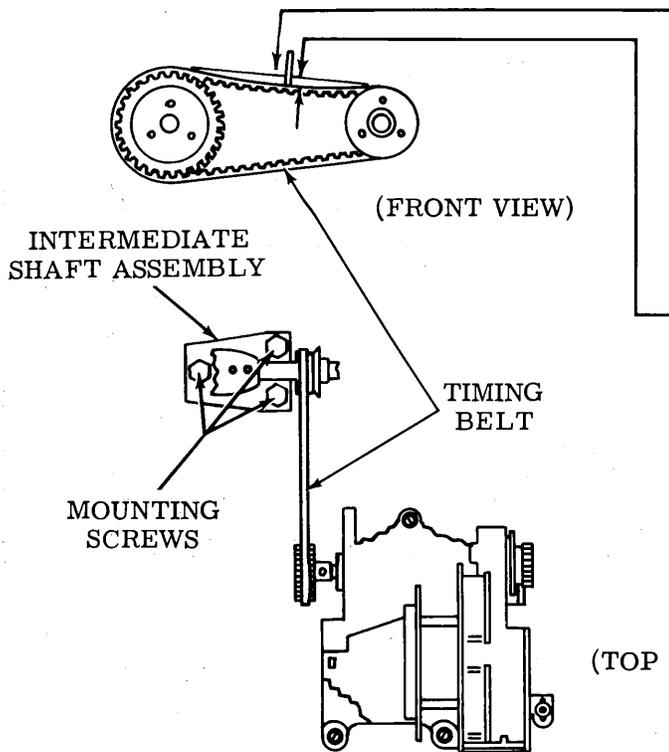
Motor pinion should mesh at right angles with intermediate shaft driven gear.

To Adjust

Loosen three mounting screws on intermediate drive assembly. Position assembly and retighten mounting screws.



2.12 Reperforator - continued



REPERFORATOR TIMING BELT

Requirement

With straight edge placed across both sprockets, a force of  
 — Min 7 oz --- Max 9 oz  
 applied at center of span should cause timing belt to deflect  
 — Min 1/16 inch --- Max 3/16 inch

To Adjust

Loosen three mounting screws on intermediate shaft assembly. Position assembly and retighten mounting screws. Recheck Reperforator Intermediate Drive adjustment.

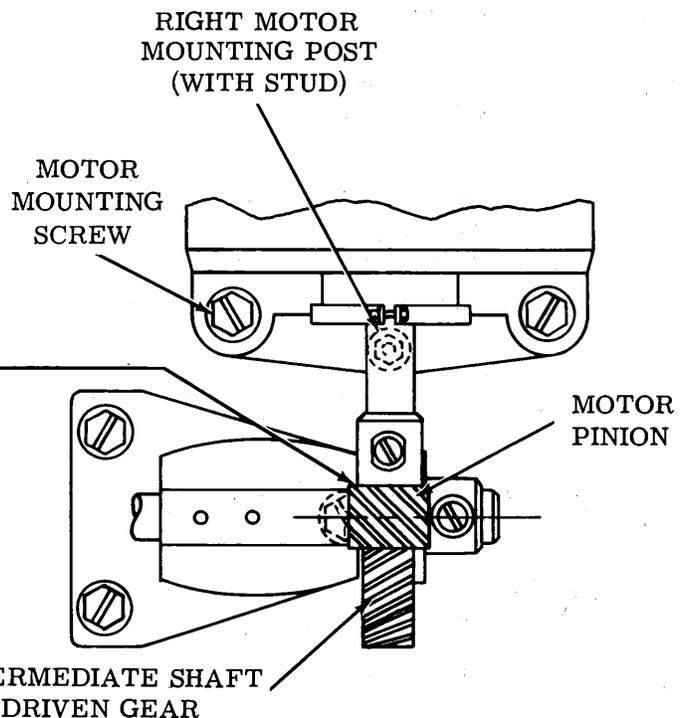
REPERFORATOR MOTOR PINION BACKLASH

Requirement

There should be a barely perceptible amount of backlash between motor pinion and intermediate shaft driven gear at their closest point.

To Adjust

Run the stud in the right motor mounting post up or down as needed. Tighten nut on stud while holding stud in position. Check that motor mounting screws are tight. Recheck gear mesh and backlash.



2.13 Distributor - continued

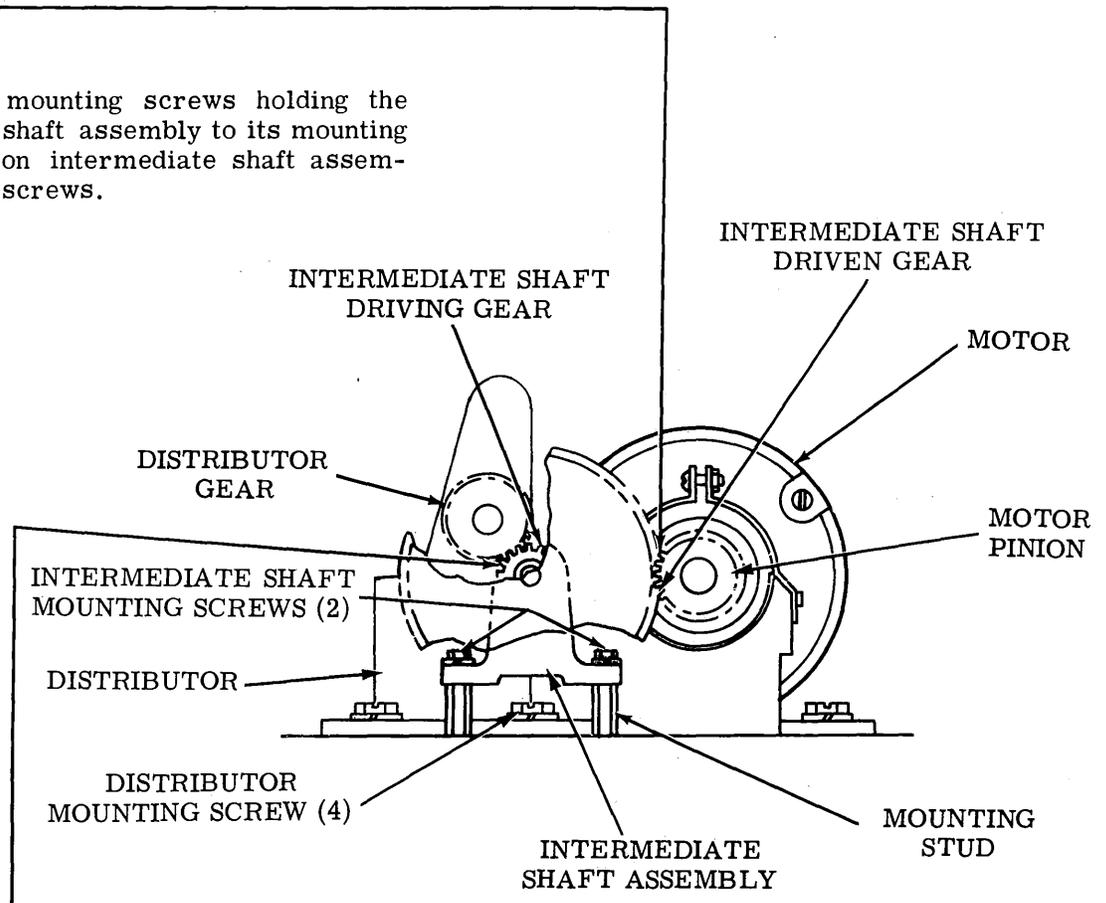
DISTRIBUTOR MOTOR PINION BACKLASH

Requirement

Motor pinion and intermediate shaft assembly driven gear should be in line and mesh with a barely perceptible amount of backlash.

To Adjust

Loosen two mounting screws holding the intermediate shaft assembly to its mounting studs. Position intermediate shaft assembly. Tighten screws.



DISTRIBUTOR GEAR BACKLASH

Requirement

Distributor gear and intermediate shaft assembly driving gear should be in line and mesh with a barely perceptible amount of backlash.

To Adjust

Loosen four distributor mounting screws. Position distributor. Tighten screws.