DATASPEED TAPE-TO-TAPE SYSTEM

TAPE SENDERS 5A AND 5C

ADJUSTMENTS, LUBRICATION, AND DISASSEMBLY

CONTENTS PAGE

1. INTRODUCTION

1.01 This section is concerned with the adjustment, lubrication, and disassembly of the DATASPEED 5A and 5C Tape Senders. Refer to related series sections for description, installation, trouble shooting, etc.

2. ADJUSTMENTS

GENERAL

2.01 The adjustments in this section are arranged in the order that should be followed if a complete readjustment of the apparatus were undertaken.

2.02 Where more than one adjustment is shown on an illustration, follow the letter sequence (A), (B), (C), etc.

2.03 Unless specifically stated otherwise, references to left or right, front or rear, and up or down, apply to the apparatus in its normal operating position (viewed from front).

2.04 The standard installer-repairman tools kit (eg, 171312 tool kit) will suffice for the cabinet and tape reader mechanical adjustments, except for the adjustment of the universal contact. That adjustment requires a dual trace oscilloscope.

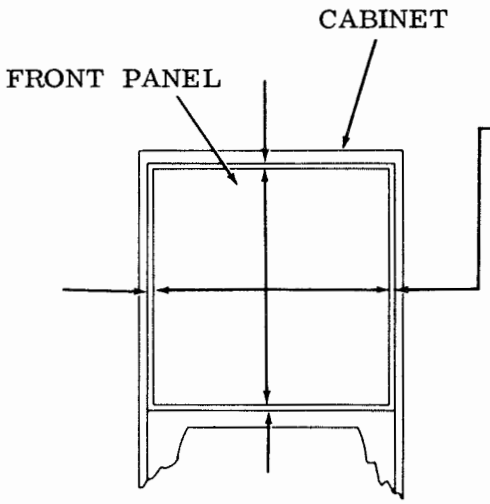
TAPE READER

2.05 Adjust the tape readers in accordance with the appropriate tape reader section.

Prepared for American Telephone and Telegraph Company by Teletype Corporation

CABINET (Tape Sender 5C only)

2.06 Cabinet Structure



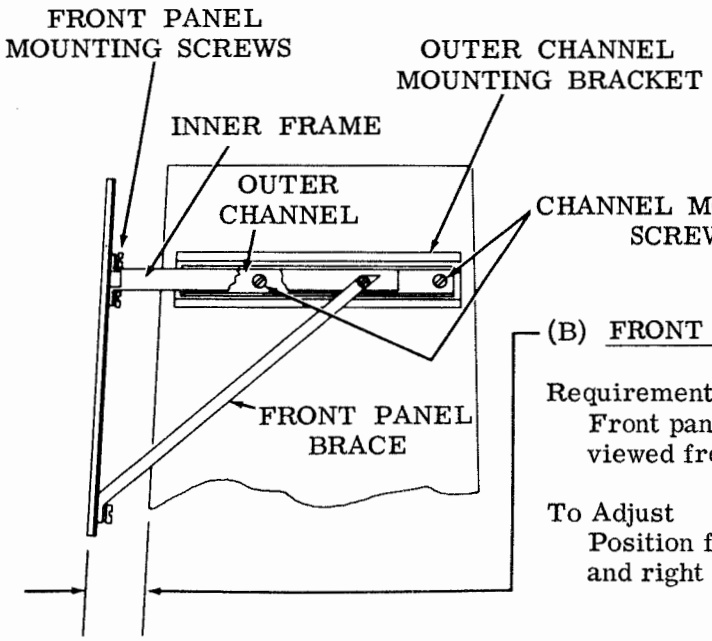
(FRONT VIEW)

(A) FRONT PANEL GAP

Requirement
Equal gap between front panel and cabinet shell measured all around front panel. Gauge by eye.

To Adjust
(1) Loosen right and left outer channel mounting screws friction tight. Position channels up or down until top and bottom gap between front panel and cabinet are about equal. Tighten screws.

(2) With front panel mounting screws loosened, position panel to left or right until gaps between sides of panel and cabinet are about equal.



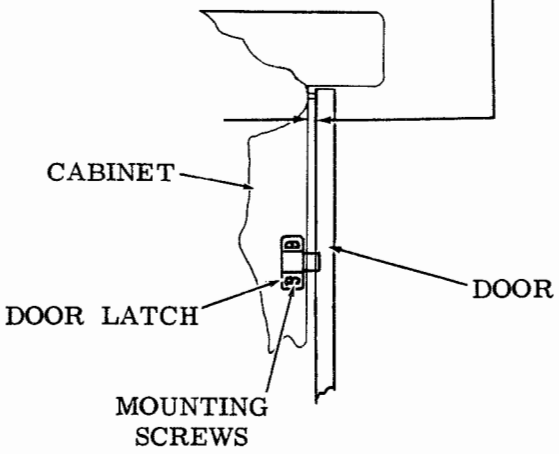
(LEFT INSIDE VIEW)

(B) FRONT PANEL SLOPE

Requirement
Front panel parallel to cabinet contour when viewed from side. Gauge by eye.

To Adjust
Position front panel with rear screw of left and right brace loosened.

2.07 Cabinet Structure (Continued)



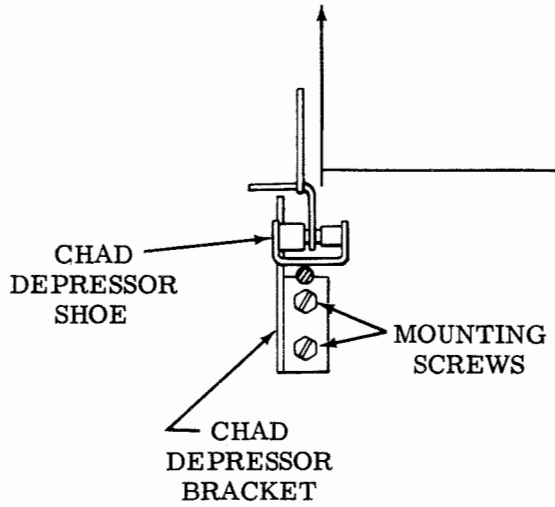
(LEFT SIDE VIEW)

DOOR LATCH

Requirement
Minimum clearance between door and rubber bumpers with door latched.

To Adjust
Position latch to front or rear with its mounting screws loosened.

2.08 Tape Handling Mechanism



CHAD DEPRESSOR SPRING

Requirement
Min 18 ozs---Max 28 ozs to lift chad depressor shoe off post.

To Adjust
Loosen screws holding depressor bracket and position bracket up or down to meet requirement.

2.09 Tape Handling Mechanism (Continued)

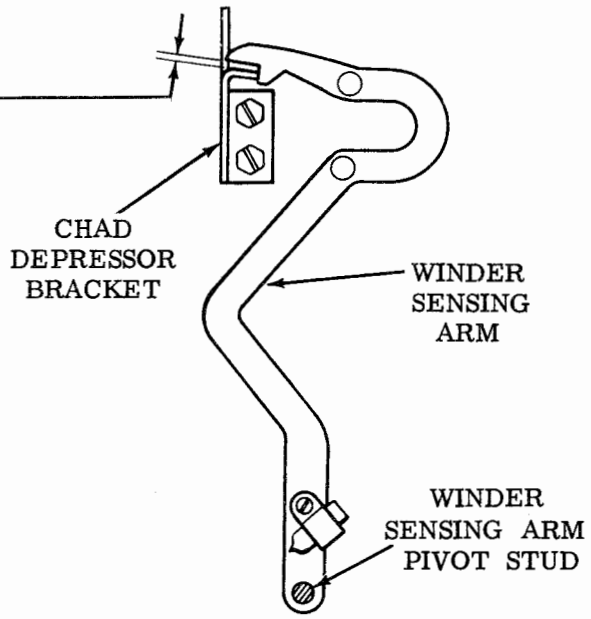
(A) CHAD DEPRESSOR BRACKET

Requirement

Min some---Max 0.030 inch clearance between sensing arm and depressor bracket when sensing arm is held against depressor bracket. (Hold depressor arm clear of winder arm.)

To Adjust

Loosen the nut securing the winder sensing arm pivot stud. Position stud up or down to meet requirement.



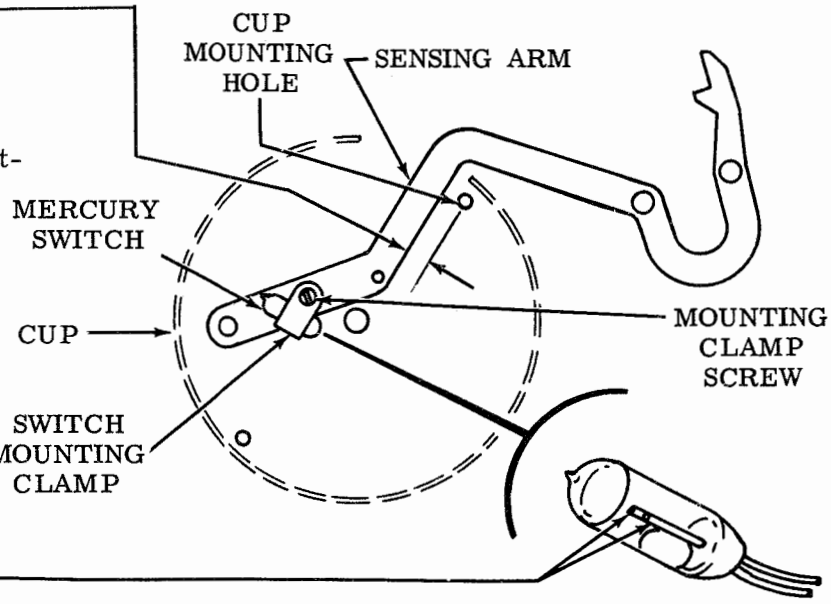
(C) WINDER SWITCH MOUNTING CLAMP

Requirement

Winder motor should start when the rear edge of the sensing arm is Min 1/2 --- Max 3/8 inch from the upper cup mounting hole.

To Adjust

Rotate clamp (and switch) to meet requirement. Tighten clamp mounting screw.



(B) WINDER SWITCH ELECTRODES

Requirement

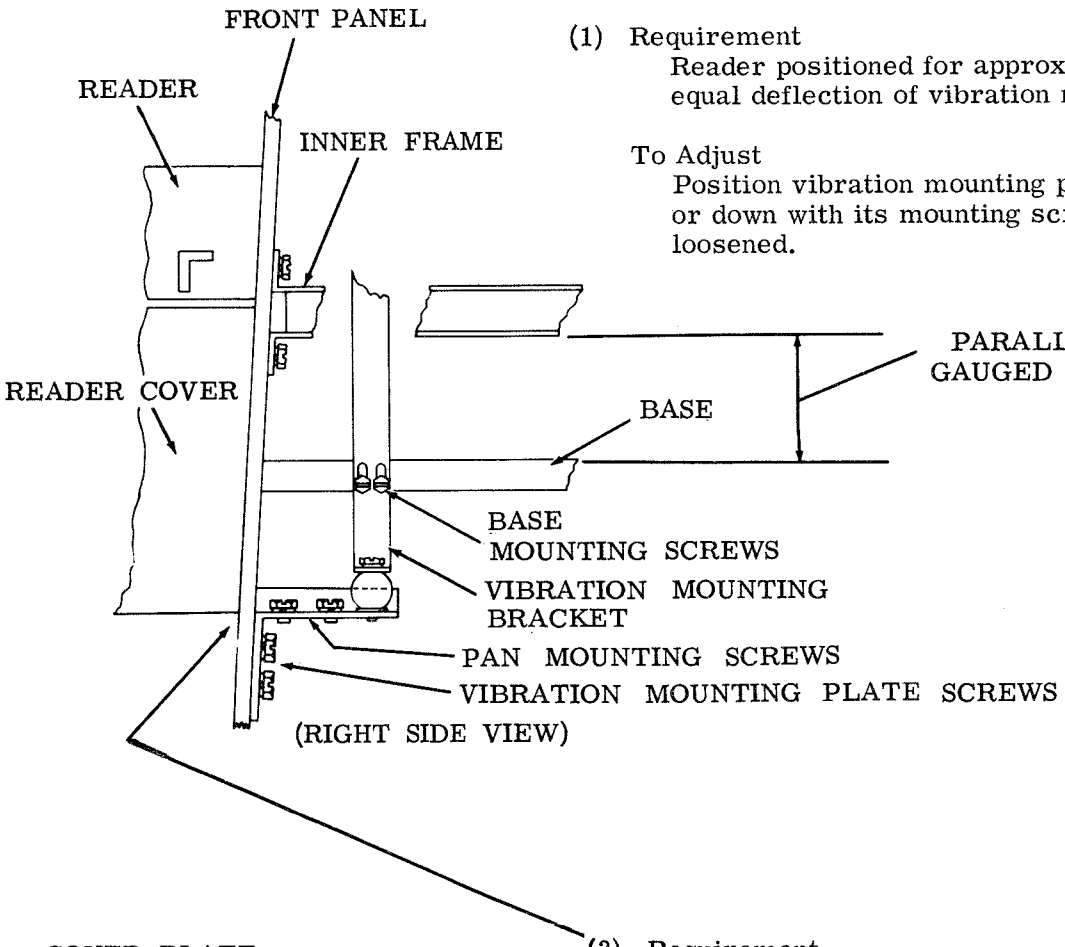
Mercury switch electrodes positioned in a horizontal plane.

To Adjust

Loosen switch mounting clamp screw and rotate switch within its clamp to meet requirement.

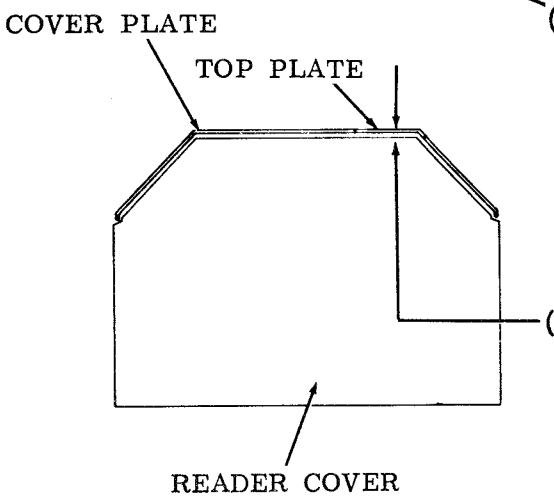
2.10 Cabinet Structure (Continued)

HIGH SPEED TAPE READER MOUNTING



(1) Requirement
Reader positioned for approximately equal deflection of vibration mounts.

To Adjust
Position vibration mounting plate up or down with its mounting screws loosened.



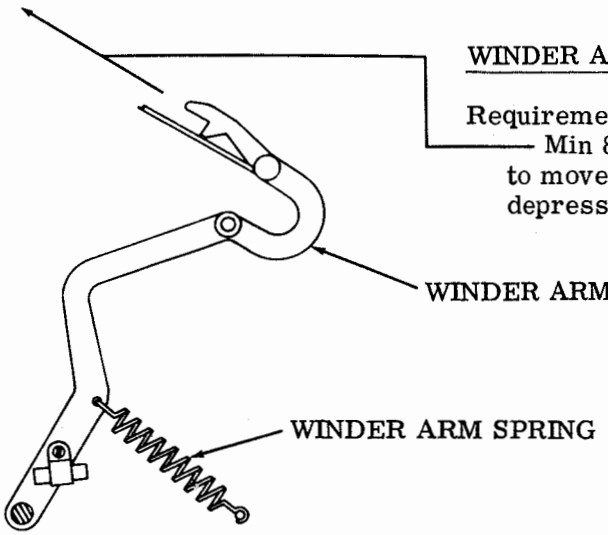
(3) Requirement
Reader front cover rests against front panel.

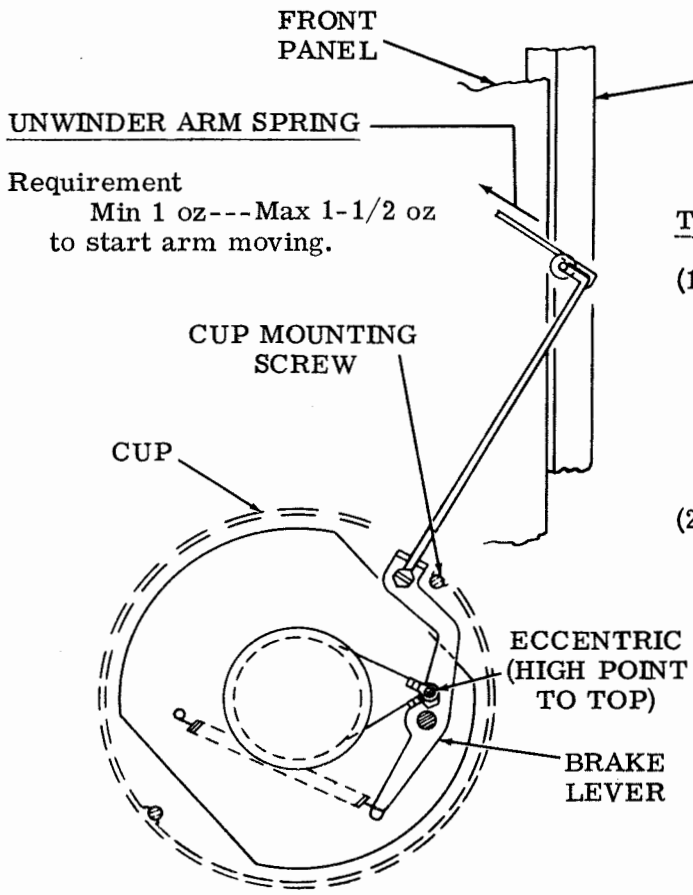
To Adjust
Loosen pan mounting screws. Position pan in or out to meet requirement.

(2) Requirement
Approximately 1/8 inch clearance between reader top plates and removable cover when base is parallel (as gauged by eye) to inner frame.

To Adjust
Loosen base mounting screws. Position base up or down to meet requirement.

2.11 Tape Handling Mechanism (Continued)





TAPE UNWINDER ARM

(1) Requirement
Tape guide arm stopped by brake wire, and not cup mounting screw.

To Adjust
Position brake lever eccentric post with its lock nut loosened.

(2) Requirement
Tape guide arm approximately flush with right edge of cabinet.

To Adjust
(1) Loosen tape guide arm mounting screw. Take up play between notch in brake lever and tape guide arm to left. Tighten screw.

(2) Bend tape guide arm to meet requirement. Begin bend approximately 1/4 inch from cup.

APPARATUS UNITS

2.12 No adjustments are required at the apparatus unit.

3. LUBRICATION

GENERAL

3.01 The following lubrication symbols are used throughout this section.

O - one drop of oil (KS7470)
O3 - three drops of oil (KS7470)
G - thin coat of grease (Lubriplate)

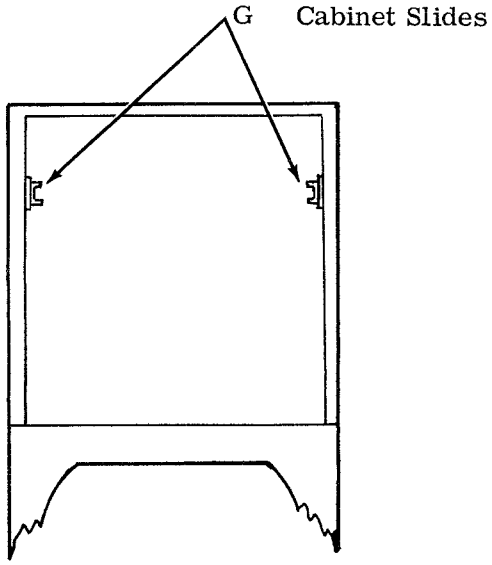
3.02 No lubrication is required at the apparatus units. The reader and cabinet should be lubricated before they are placed in service, again within a few weeks, and thereafter at the intervals specified for the tape reader.

TAPE READER

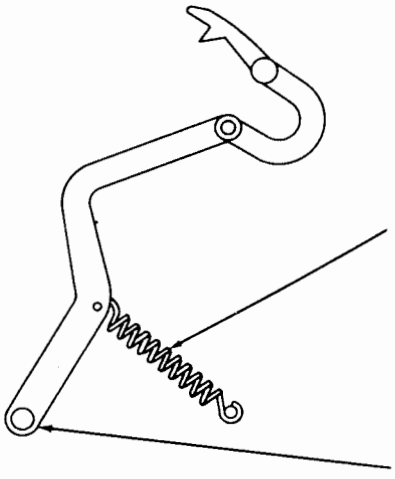
3.03 Refer to the appropriate tape reader (CX type) section.

CABINET (Tape Sender 5C Only)

3.04 Cabinet Structure

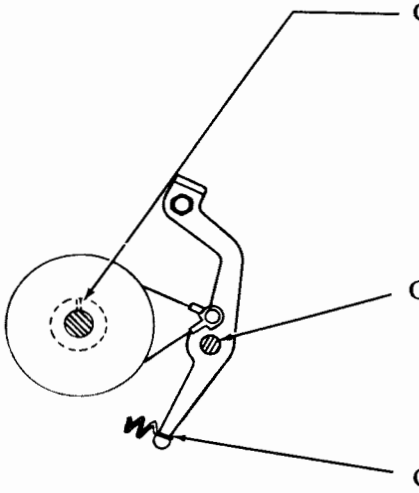


3.05 Tape Handling Mechanism



O	Hooks (Each End)	Winder Arm Spring
O	Pivot	Winder Arm

3.06 Tape Handling Mechanism (Continued)



O3	Hole	Shaft
O	Pivot	Unwinder Arm
O	Hooks (Each End)	Unwinder Arm Spring

APPARATUS UNITS

3.07 No lubrication required.

4. DISASSEMBLY

4.01 Disassembly of the Tape Senders is straightforward. Refer to the appropriate tape reader (CX type) sections for information concerning that unit. Check adjustments after reassembly wherever they apply.