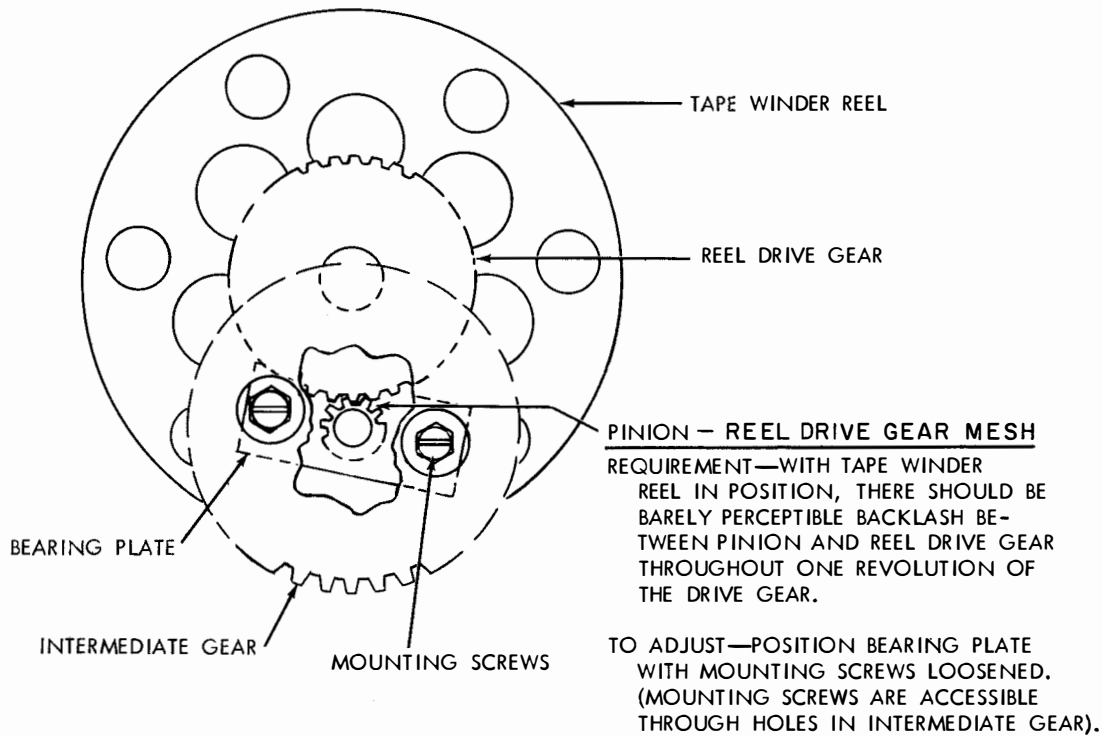


28 REPERFORATOR-TRANSMITTER SET  
REQUIREMENTS AND ADJUSTMENTS

CONTENTS	PAGE	CONTENTS	PAGE
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2. REQUIREMENTS AND ADJUSTMENTS .....	1	Tape storage bin support bracket .	10
A. Reperforator-transmitter Unit ...	1	Tight and low tape switch .....	12
B. Tape-winder Mechanism.....	2	1. GENERAL	
Chad depressor spring tension ...	5	1.01 This section contains the requirements and adjustments for the 28 reperforator- transmitter set. This section, the section cov- ering teletypewriter general requirements and adjustments, and associated sections referred to in this section provide the complete adjusting information for the reperforator-transmitter set.	
Clutch torque.....	5	1.02 The 28 reperforator-transmitter set con- sists of a reperforator-transmitter unit and a reperforator stand. The stand provides the tape handling facilities and the framework to hold the unit.	
Drive shaft end play.....	3	1.03 The figures in this section show the ad- justing tolerances, positions of moving parts, and spring tensions. The illustrations are arranged so that the adjustments are in the sequence that would be followed if a complete readjustment of the apparatus were being made.	
Drive shaft gear – intermediate gear mesh .....	3	1.04 When rotating the drive-shaft gear by hand, rotate in a counterclockwise direc- tion as viewed from the exposed side of the drive-shaft gear.	
Intermediate gear alignment .....	2	2. REQUIREMENTS AND ADJUSTMENTS	
Pinion – reel drive gear mesh ...	2	A. Reperforator-transmitter Unit	
Stop lever eccentric stud .....	4	2.01 Refer to the section covering 28 reper- forator-transmitter unit for the require- ments and adjustments of the unit.	
Stop lever release arm .....	4		
Tape arm .....	4		
C. Tape Supply Mechanism .....	6		
Actuator spring tension.....	9		
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Full take-up reel alarm .....	9		
Low tape alarm (preliminary) ....	7		
Low tape alarm (final).....	8		
Stop lever spring tension .....	8		
Tape arm spring tension .....	8		
Tape bin full switch .....	9		
Tape supply reel alignment .....	6		
Tape supply reel shaft end play...	6		
Tight tape alarm (preliminary) ...	7		
Tight tape alarm (final).....	7		
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Blade position .....	11		
Full take-up reel switch .....	12		

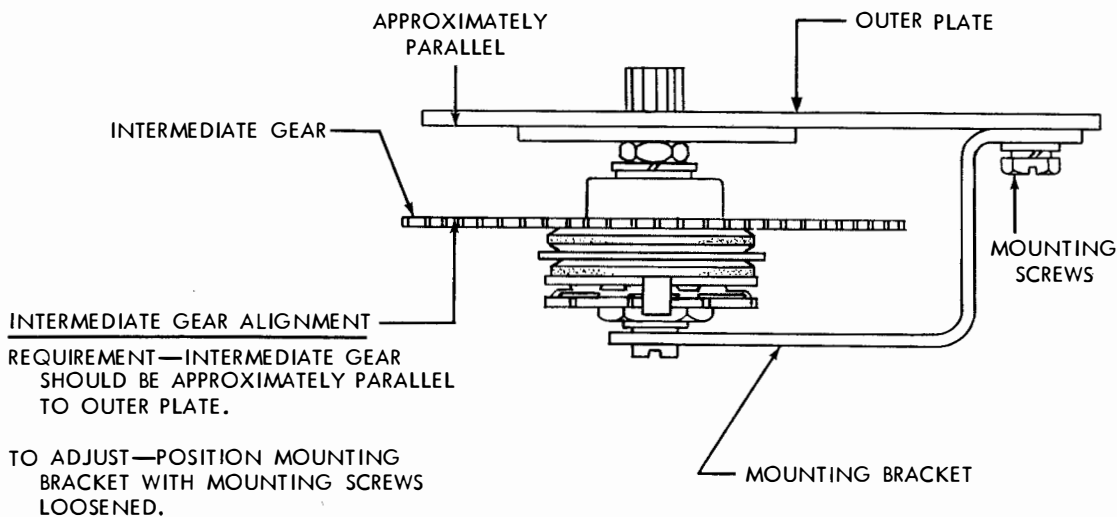
B. Tape-winder Mechanism

2.02 Pinion - Reel Drive Gear and Intermediate Gear

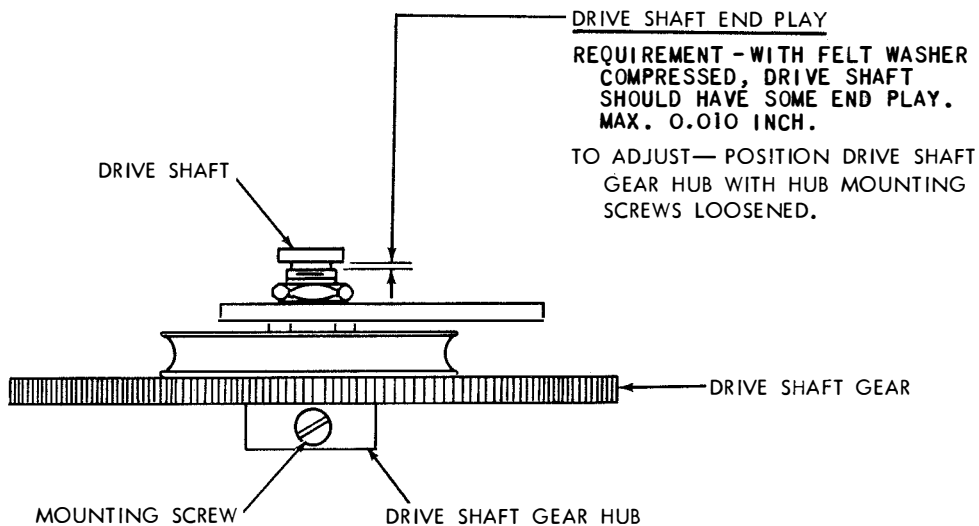


NOTE

THIS ADJUSTMENT SHOULD BE RECHECKED IF TAPE WINDER REELS ARE INTERCHANGED BETWEEN UNITS.



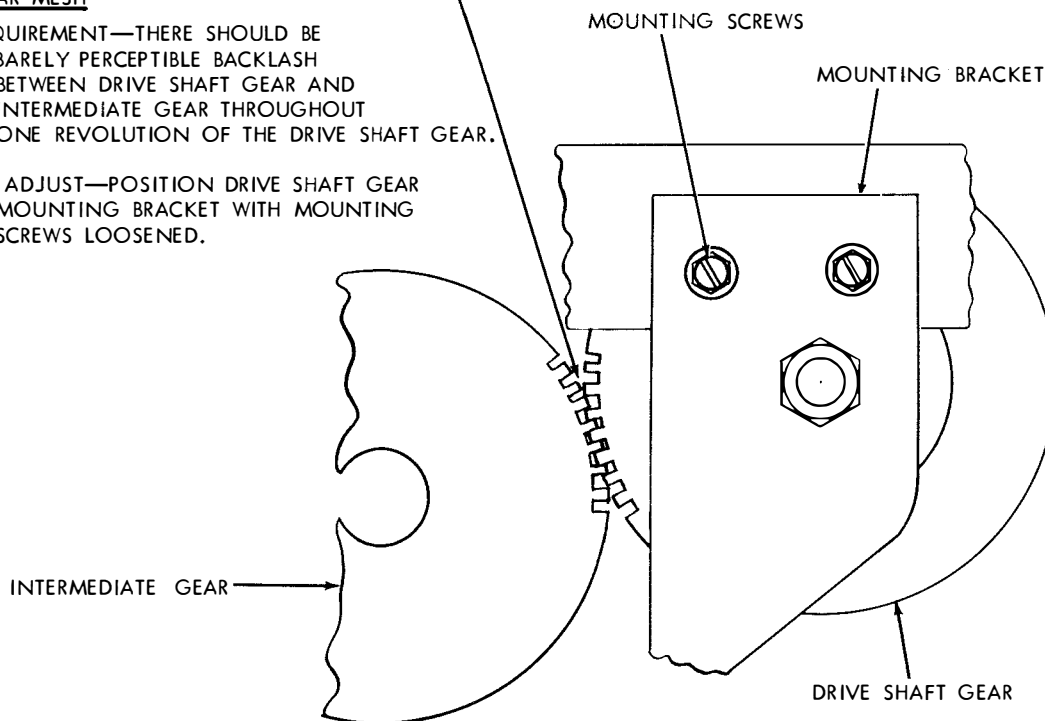
2.03 Drive Shaft Gear and Intermediate Gear



DRIVE SHAFT GEAR - INTERMEDIATE GEAR MESH

REQUIREMENT—THERE SHOULD BE BARELY PERCEPTIBLE BACKLASH BETWEEN DRIVE SHAFT GEAR AND INTERMEDIATE GEAR THROUGHOUT ONE REVOLUTION OF THE DRIVE SHAFT GEAR.

TO ADJUST—POSITION DRIVE SHAFT GEAR MOUNTING BRACKET WITH MOUNTING SCREWS LOOSENED.

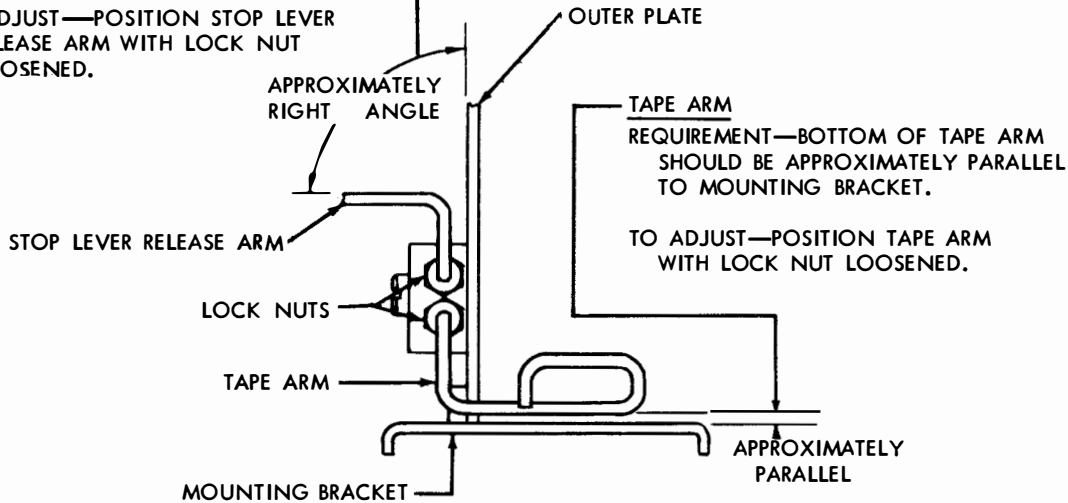


2.04 Tape-winder Control Mechanism

STOP LEVER RELEASE ARM

REQUIREMENT—STOP LEVER RELEASE ARM SHOULD BE APPROXIMATELY AT RIGHT ANGLE TO OUTER PLATE.

TO ADJUST—POSITION STOP LEVER RELEASE ARM WITH LOCK NUT LOOSENED.

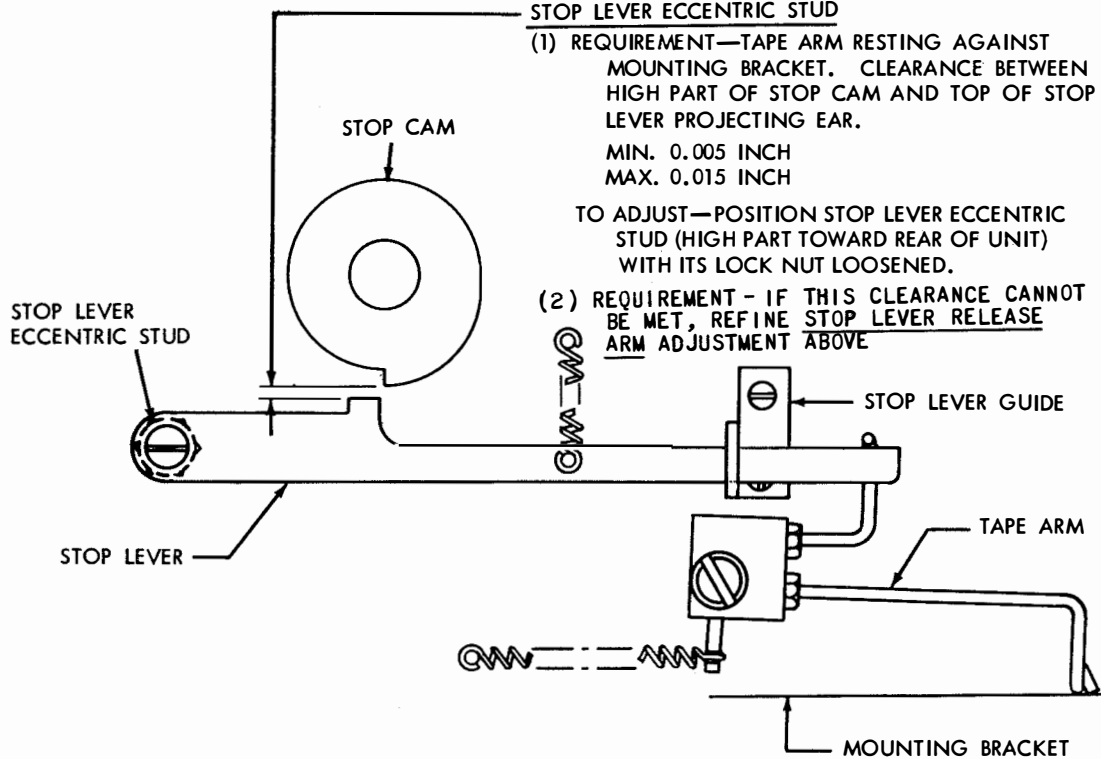


STOP LEVER ECCENTRIC STUD

(1) REQUIREMENT—TAPE ARM RESTING AGAINST MOUNTING BRACKET. CLEARANCE BETWEEN HIGH PART OF STOP CAM AND TOP OF STOP LEVER PROJECTING EAR.  
MIN. 0.005 INCH  
MAX. 0.015 INCH

TO ADJUST—POSITION STOP LEVER ECCENTRIC STUD (HIGH PART TOWARD REAR OF UNIT) WITH ITS LOCK NUT LOOSENED.

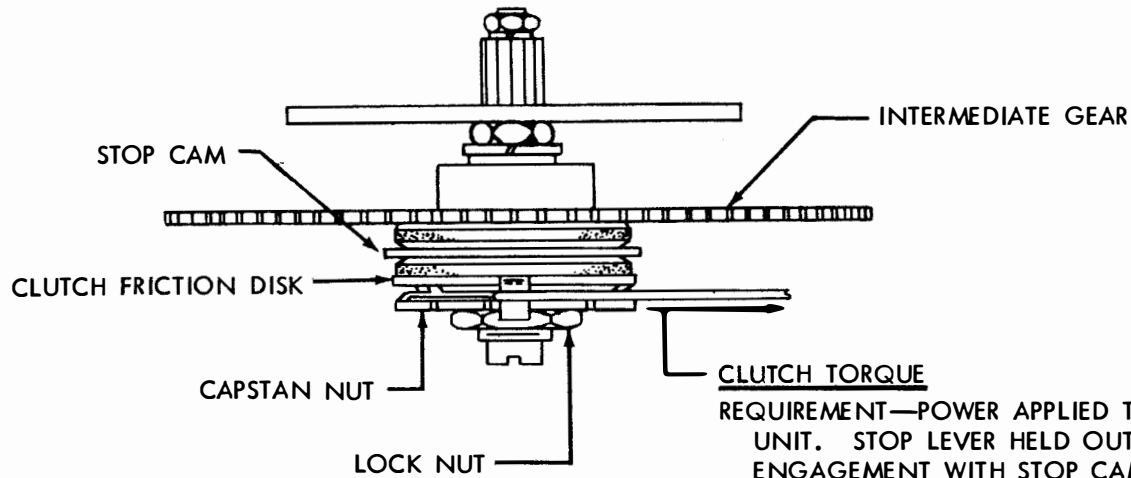
(2) REQUIREMENT - IF THIS CLEARANCE CANNOT BE MET, REFINES STOP LEVER RELEASE ARM ADJUSTMENT ABOVE



NOTE

CHECK THAT THERE IS SOME CLEARANCE BETWEEN BOTTOM OF SLOT IN STOP LEVER GUIDE AND STOP LEVER. IF NECESSARY, LOWER STOP LEVER GUIDE WITH MOUNTING SCREWS LOOSENED.

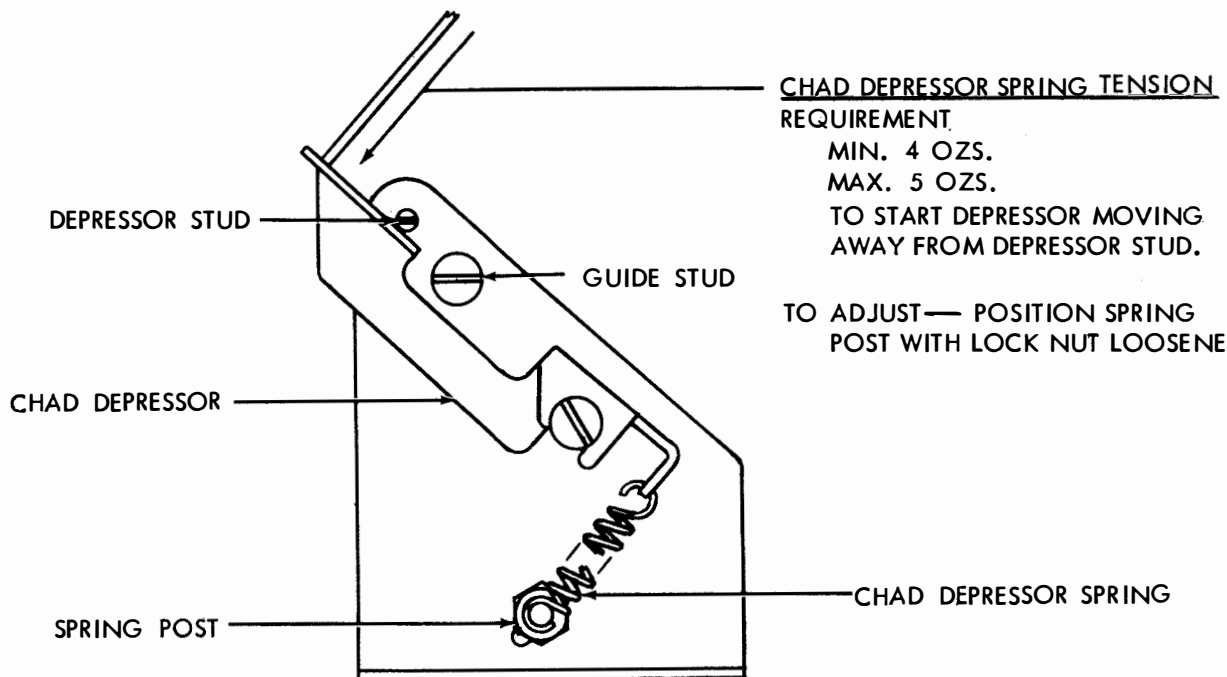
2.05 Clutch Torque and Chad Depressor



**CLUTCH TORQUE**  
 REQUIREMENT—POWER APPLIED TO UNIT. STOP LEVER HELD OUT OF ENGAGEMENT WITH STOP CAM.  
 MIN. 14 OZS.  
 MAX. 16 OZS.  
 TO KEEP CLUTCH FRICTION DISK FROM MOVING.

TO ADJUST—POSITION CAPSTAN NUT WITH LOCK NUT LOOSENED: CLOCKWISE TO INCREASE TENSION, COUNTER CLOCKWISE TO DECREASE TENSION.

**NOTE**  
 THIS MEASUREMENT SHOULD BE MADE WHEN UNIT IS WARM FROM OPERATION.

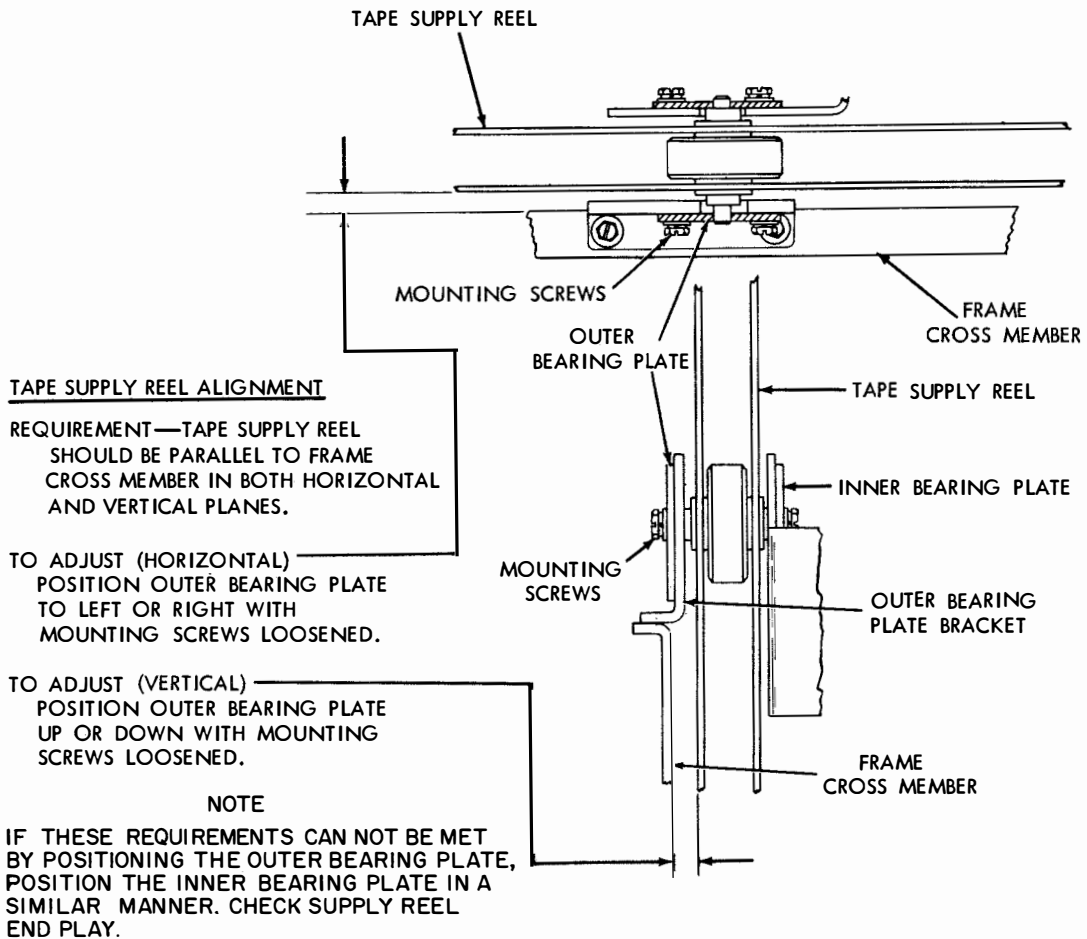
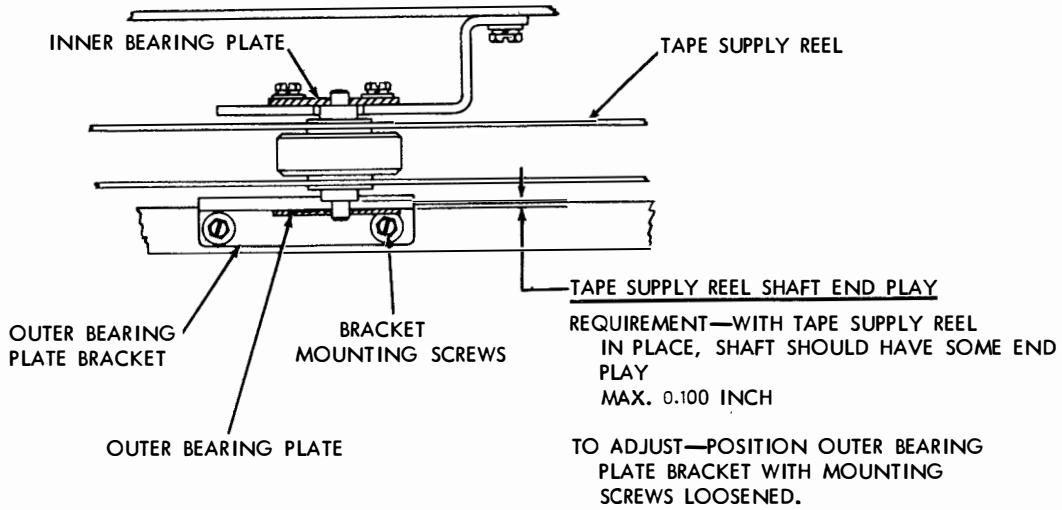


**CHAD DEPRESSOR SPRING TENSION**  
 REQUIREMENT  
 MIN. 4 OZS.  
 MAX. 5 OZS.  
 TO START DEPRESSOR MOVING AWAY FROM DEPRESSOR STUD.

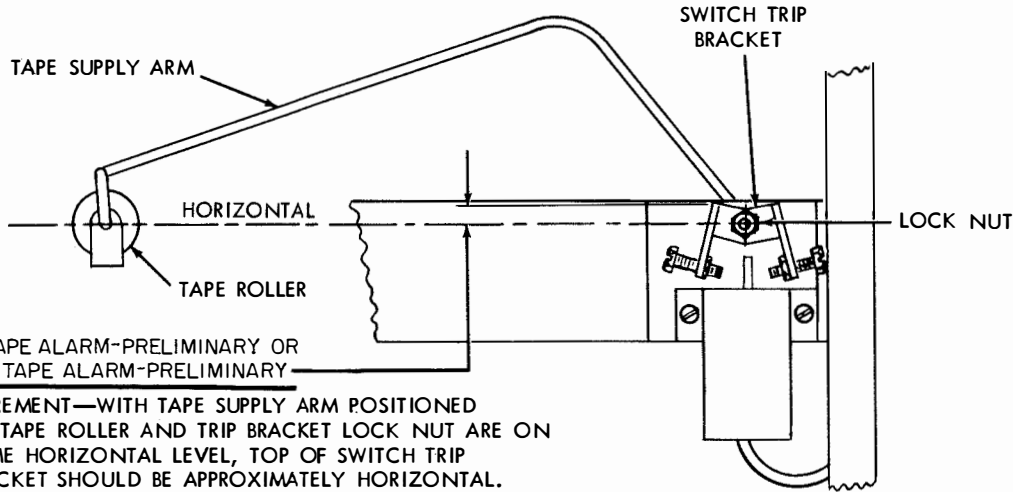
TO ADJUST— POSITION SPRING POST WITH LOCK NUT LOOSENED.

C. Tape Supply Mechanism

2.06 Tape Supply Reel

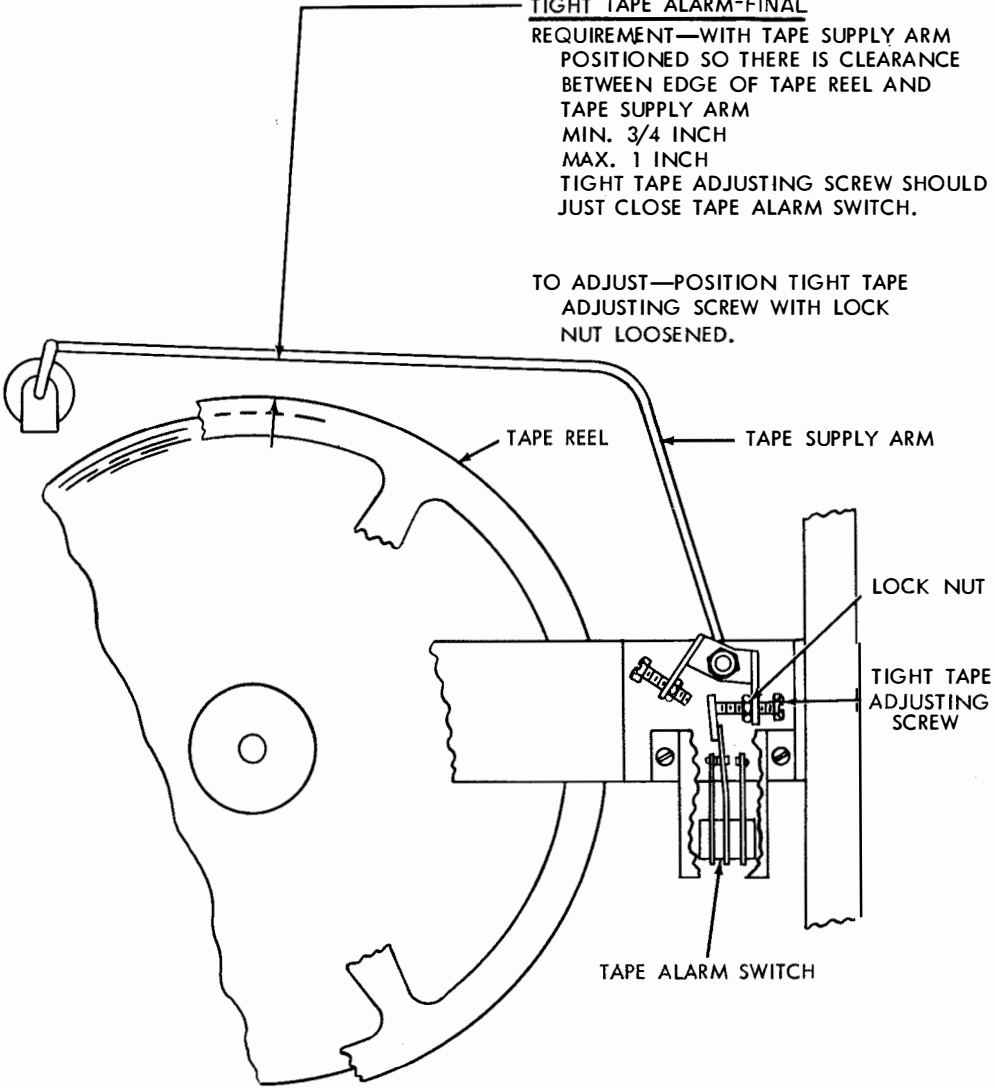


2.07 Tape Alarm (Low Tape or Tight Tape)



LOW TAPE ALARM-PRELIMINARY OR TIGHT TAPE ALARM-PRELIMINARY  
 REQUIREMENT—WITH TAPE SUPPLY ARM POSITIONED SO TAPE ROLLER AND TRIP BRACKET LOCK NUT ARE ON SAME HORIZONTAL LEVEL, TOP OF SWITCH TRIP BRACKET SHOULD BE APPROXIMATELY HORIZONTAL.

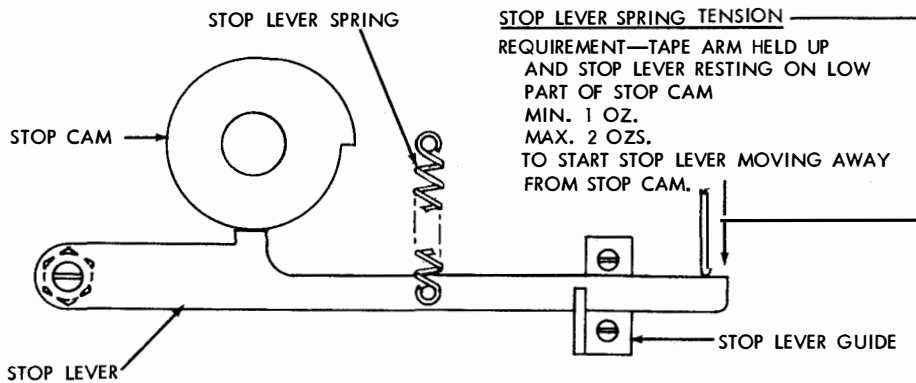
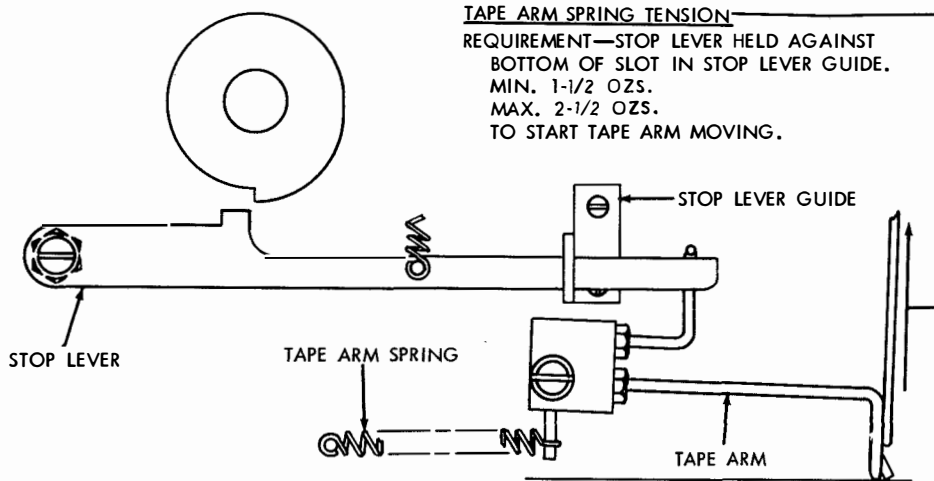
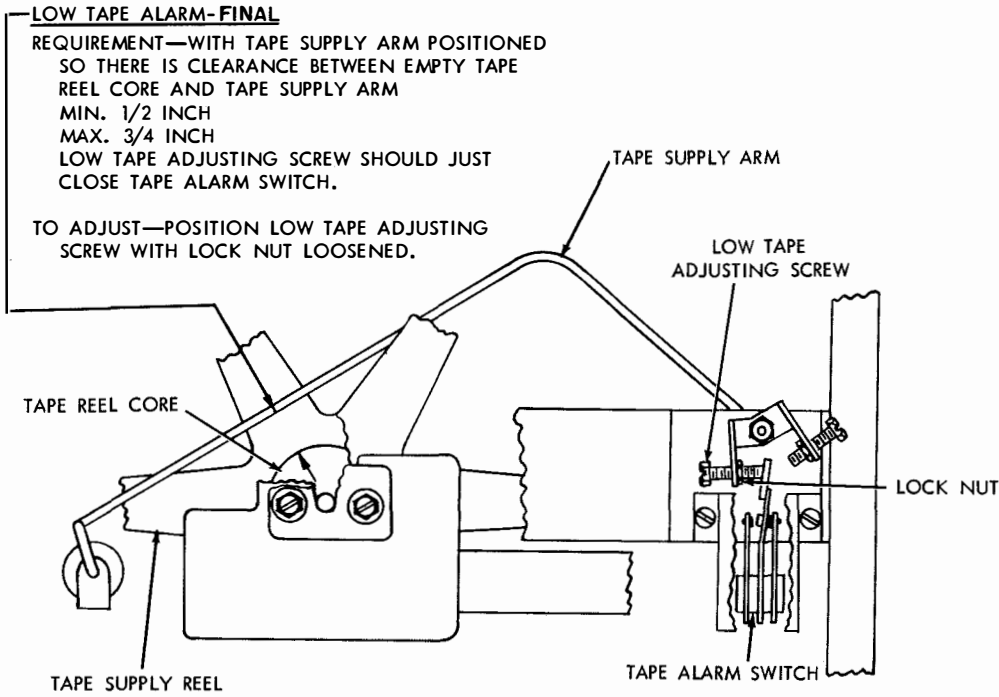
TO ADJUST—POSITION SWITCH TRIP BRACKET WITH LOCK NUT LOOSENED.



TIGHT TAPE ALARM-FINAL  
 REQUIREMENT—WITH TAPE SUPPLY ARM POSITIONED SO THERE IS CLEARANCE BETWEEN EDGE OF TAPE REEL AND TAPE SUPPLY ARM  
 MIN. 3/4 INCH  
 MAX. 1 INCH  
 TIGHT TAPE ADJUSTING SCREW SHOULD JUST CLOSE TAPE ALARM SWITCH.

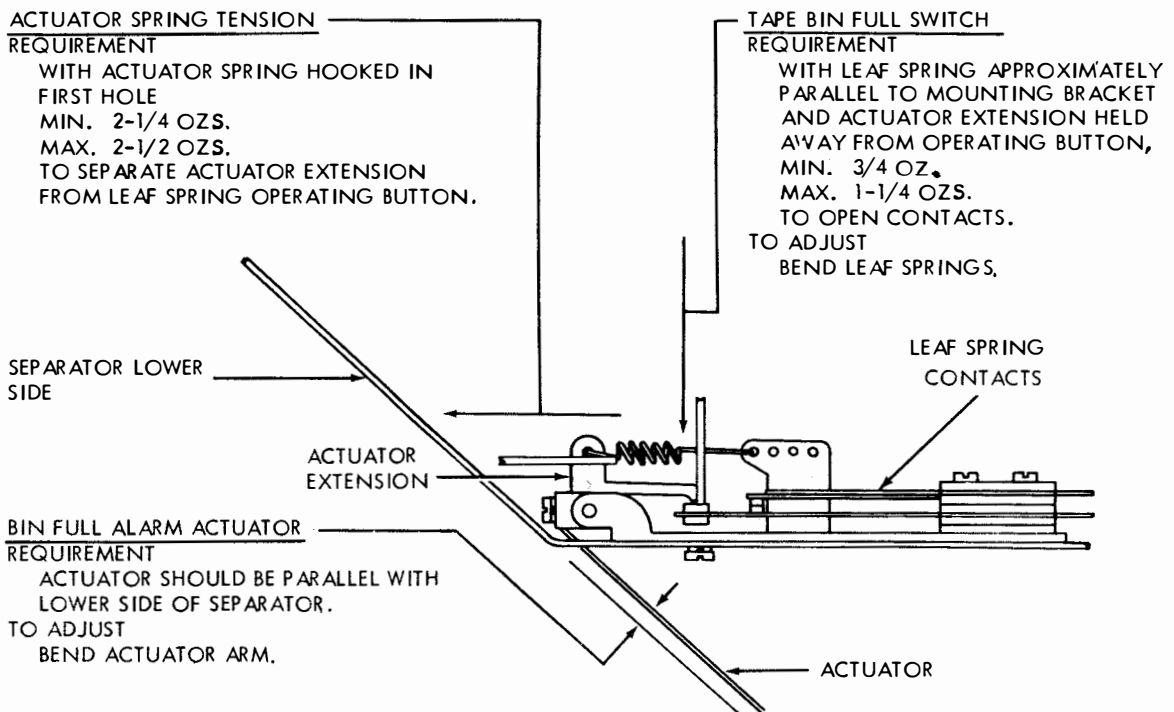
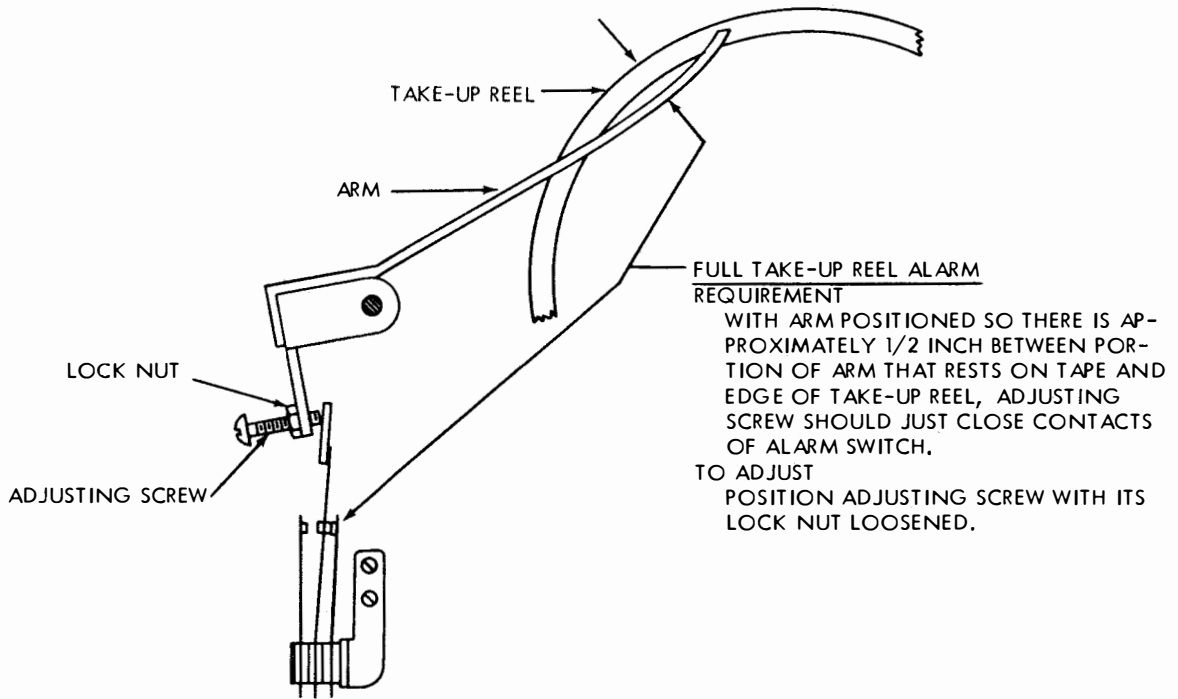
TO ADJUST—POSITION TIGHT TAPE ADJUSTING SCREW WITH LOCK NUT LOOSENED.

2.08 Tape Alarm (Low Tape or Tight Tape)



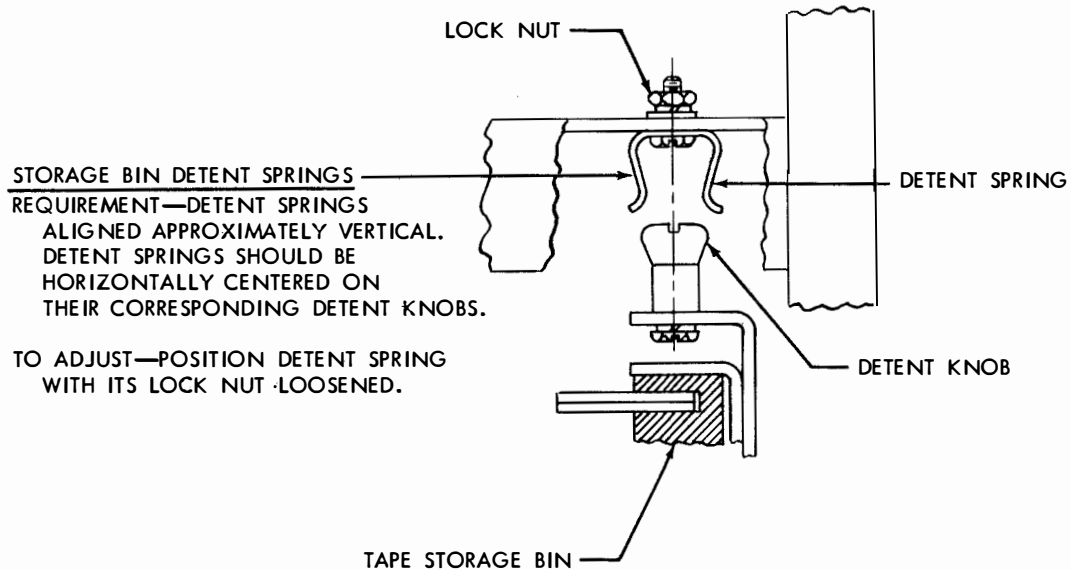
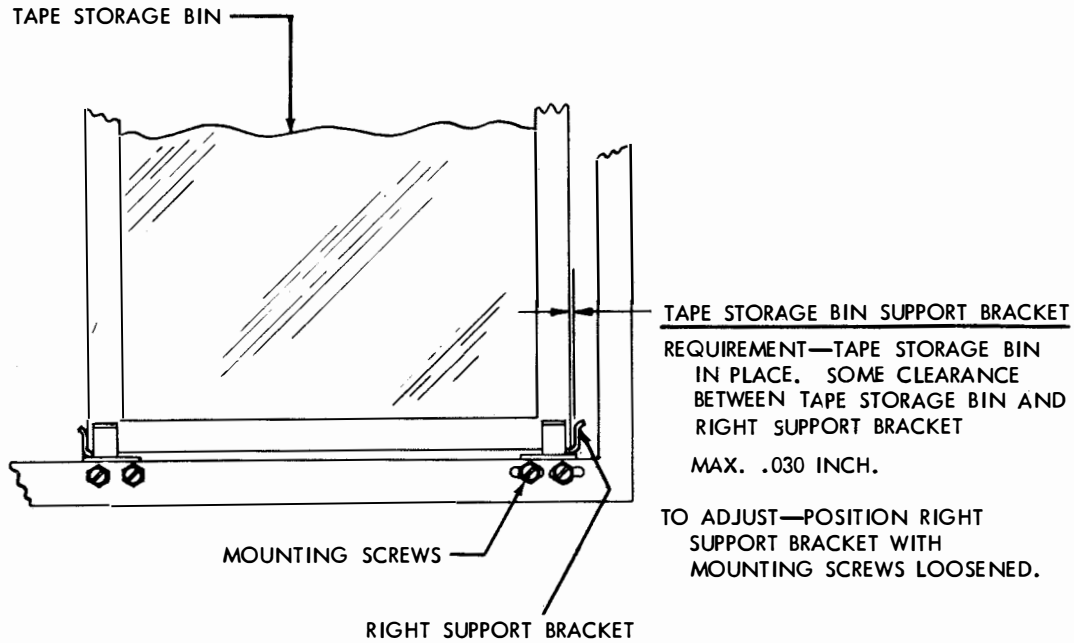


2.09 Full Take-up Reel Alarm and Tape Bin Full Alarm Mechanisms



D. Tape Storage Bin Mechanism

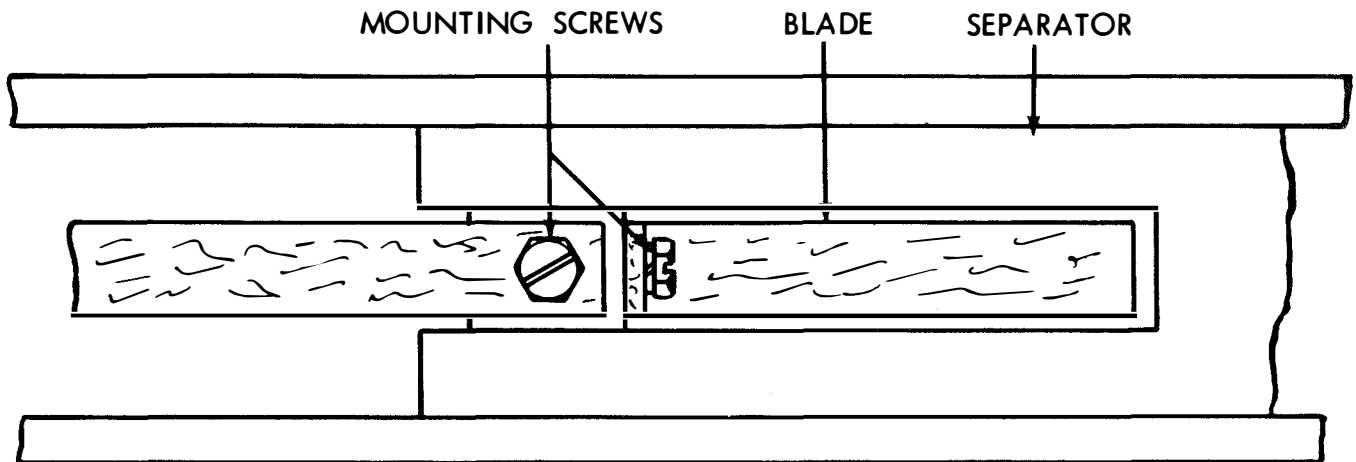
2.10 Tape Storage Bin



## 2.11 Tape Stuffer Assembly

BLADE POSITION

REQUIREMENT — BLADES SHOULD BE APPROXIMATELY  
CENTERED IN SLOT IN SEPARATOR. CHECK FOUR BLADES.  
TO ADJUST — POSITION BLADES WITH MOUNTING  
SCREWS LOOSENED.



2.12 Tight and Low Tape Switch and Full Take-up Reel Switch Mechanisms

