

**BELL SYSTEM PRACTICES    ADDENDUM P31.118.1**  
**Teletypewriter and Data Stations    Issue 1, February, 1959**  
**AT&TCo Standard**

**4A TAPE WINDER**  
**(MOTOR DRIVEN)**  
**DESCRIPTION, REQUIREMENTS,**  
**PROCEDURES, AND LUBRICATION**

**1. GENERAL**

- 1.001 This addendum supplements Section P31.118.1, Issue 1.  
1.002 This addendum is issued to change the position of the scale for measurement of the clutch torque.

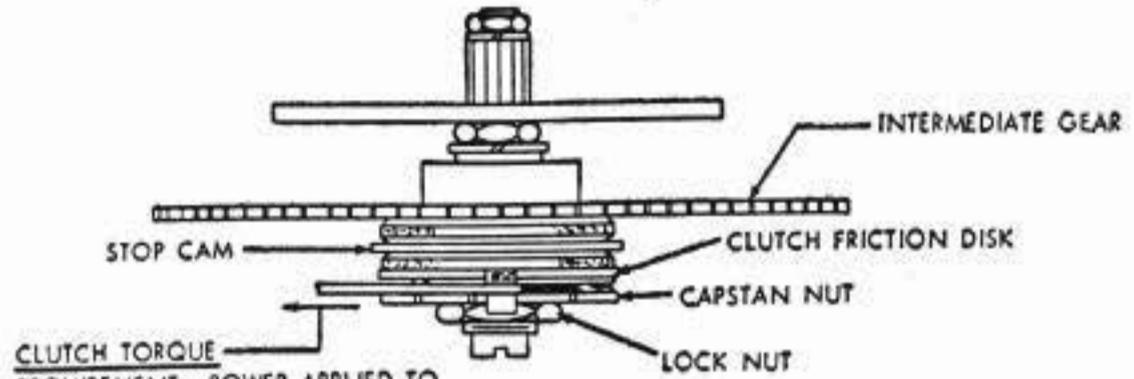
**3. REQUIREMENTS AND ADJUSTING PROCEDURES**

The following change applies to Part 3 of the section:

- (a) 3.05—revised

UNITED STATES GOVERNMENT  
OFFICE OF THE SECRETARY OF DEFENSE  
WASHINGTON, D. C. 20301  
GPO: 1965 O-348-712

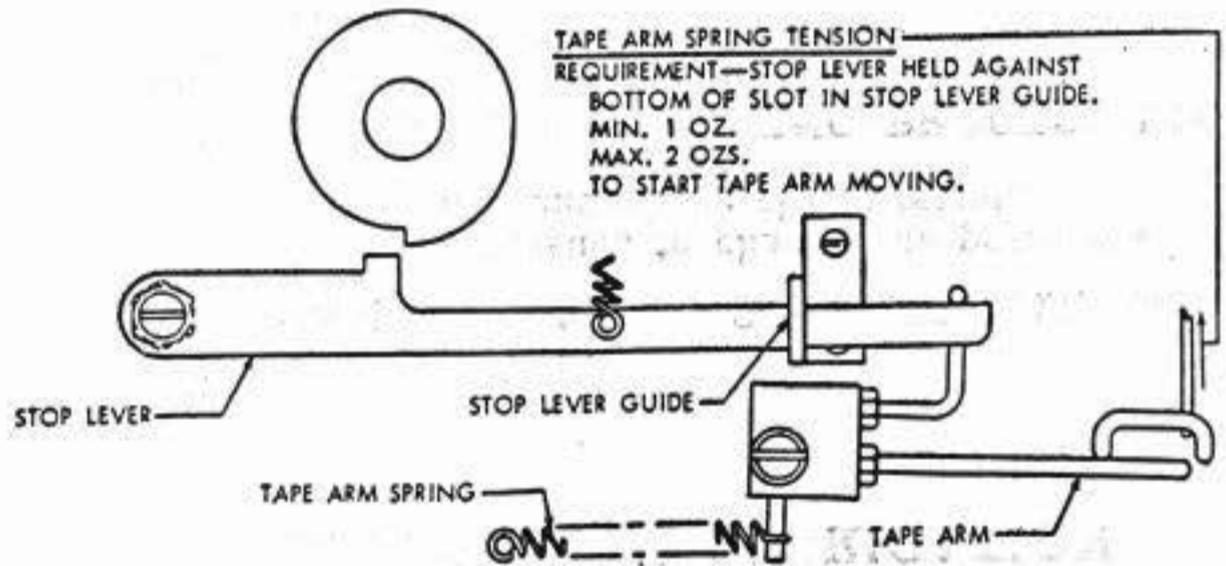
### 3.05 Clutch Torque, Tape-arm Spring, and Stoplever Spring



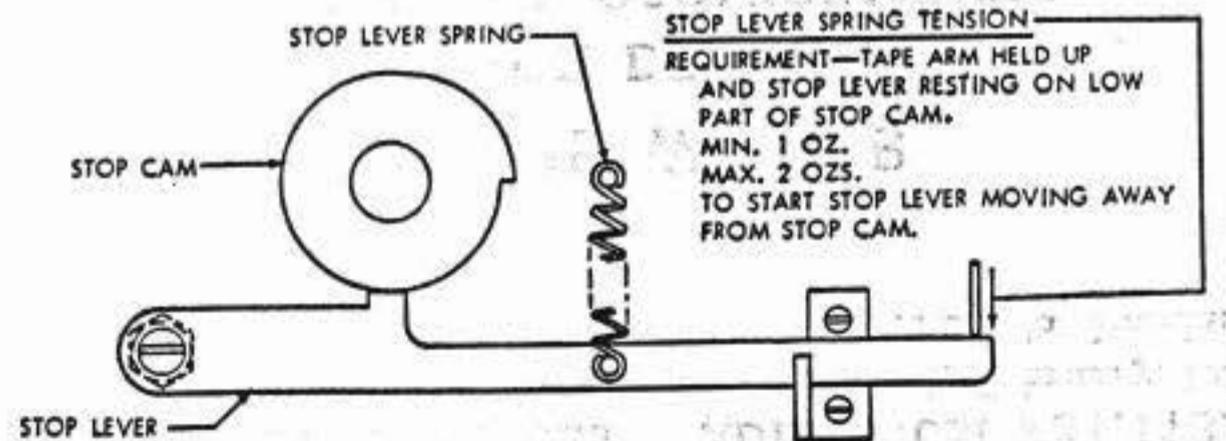
**REQUIREMENT**—POWER APPLIED TO UNIT. STOP LEVER HELD OUT OF ENGAGEMENT WITH STOP CAM.  
MIN. 10 OZS.  
MAX. 14 OZS.  
TO KEEP CLUTCH FRICTION DISK FROM MOVING.

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

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



**TAPE ARM SPRING TENSION**  
**REQUIREMENT**—STOP LEVER HELD AGAINST BOTTOM OF SLOT IN STOP LEVER GUIDE.  
MIN. 1 OZ.  
MAX. 2 OZS.  
TO START TAPE ARM MOVING.



**STOP LEVER SPRING TENSION**  
**REQUIREMENT**—TAPE ARM HELD UP AND STOP LEVER RESTING ON LOW PART OF STOP CAM.  
MIN. 1 OZ.  
MAX. 2 OZS.  
TO START STOP LEVER MOVING AWAY FROM STOP CAM.