REPLACING PAGE ADDENDUM
Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. PLACE THIS PINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

"DATASPEED®" PRINTER (RECEIVE-ONLY)

ENCLOSURES AND PAPER HANDLING

ADJUSTMENTS AND LUBRICATION

1. GENERAL

1.001 This addendum, which supplements Section 578-500-701, Issue 3, is issued to cover the engineering changes incorporated in recent units. Modification of the paper handling mechanism includes a new drive bearing assembly for the take-up reel with an antiback-up feature (one-way clutch). This clutch retards the travel of the paper reel in the undesired direction. Also a brake feature has been added to the supply reel. Note certain changes in the drive belt requirements and lubrication of the drive mechanism.

1.002 Control circuits associated with the paper supply and take-up reel are located in the transport mechanism. Refer to the appropriate section for changes in the circuit cards and connecting cables.

1.003 Arrows in the margins indicate changes and additions. Insert the attached pages in accordance with the filing instructions above.

Attached:
Page 1, dated October 1970, revised
Page 2, dated October 1970, reissued
Page 14.1, dated October 1970, added
Page 15, dated October 1970, revised
Page 16, dated October 1970, reissued
Page 16.1, dated October 1970, added
Page 17, dated October 1970, revised
Page 18, dated October 1970, reissued
Page 19, dated October 1970, revised
Page 20, dated October 1970, revised
Page 31, dated October 1970, revised

Prepared for American Telephone and Telegraph Company by Teletype Corporation

"DATASPEED®" PRINTER (RECEIVE-ONLY)

ENCLOSURES AND PAPER HANDLING

ADJUSTMENTS AND LUBRICATION

CONTENTS

Prepared for American Telephone and Telegraph Company by Teletype Corporation

1. GENERAL

1.01 This section provides the adjustments and lubrication procedures for the maintenance of the cover, base, cabinet, paper unwinder, and paper winder as used in the DATASPEED printer (receive-only). It is being reissued to change the title and to incorporate recent engineering changes. Since it is a general revision, marginal arrows used to indicate changes and additions are omitted. This section was formerly designated 592-820-701, but this number is now cancelled. Since this issue of Section 578-500-701 is a revision of Section 592-820-701, Issue 2, it is designated Issue 3.

CAUTION: REMOVE POWER FROM SET BEFORE CHECKING OR MAKING ADJUSTMENTS UNLESS OTHERWISE STATED.

1.02 The adjustments are arranged in a sequence that should be followed if a complete readjustment of the particular unit were undertaken. In following such a procedure, parts or assemblies that are removed to facilitate adjustments should not be replaced until all other adjustments, which would be facilitated by removal of these parts are made. If any adjustment is changed, related adjustments should be checked. Before making any adjustment, read the adjustment instructions thoroughly. After an adjustment is completed, be sure to tighten any nuts or screws which may have been loosened.

1.03 The spring tension values indicated are scale readings which would be obtained when proper scales are used as specified. Springs that do not meet the requirements, and for which no adjusting procedure is given, should be replaced by new ones.

1.04 Check all moving parts to make sure they are free from binds before operating the units under power.

1.05 References to right or left, up or down, front or rear, apply to the units as viewed when facing them from the front or operators side.

1.06 Parts ordering information can be obtained from Section 578-500-801 (formerly Section 592-820-801). For the tools necessary in making the adjustments, refer to Section 570-005-800.

2.121 Paper Unwinder (continued)

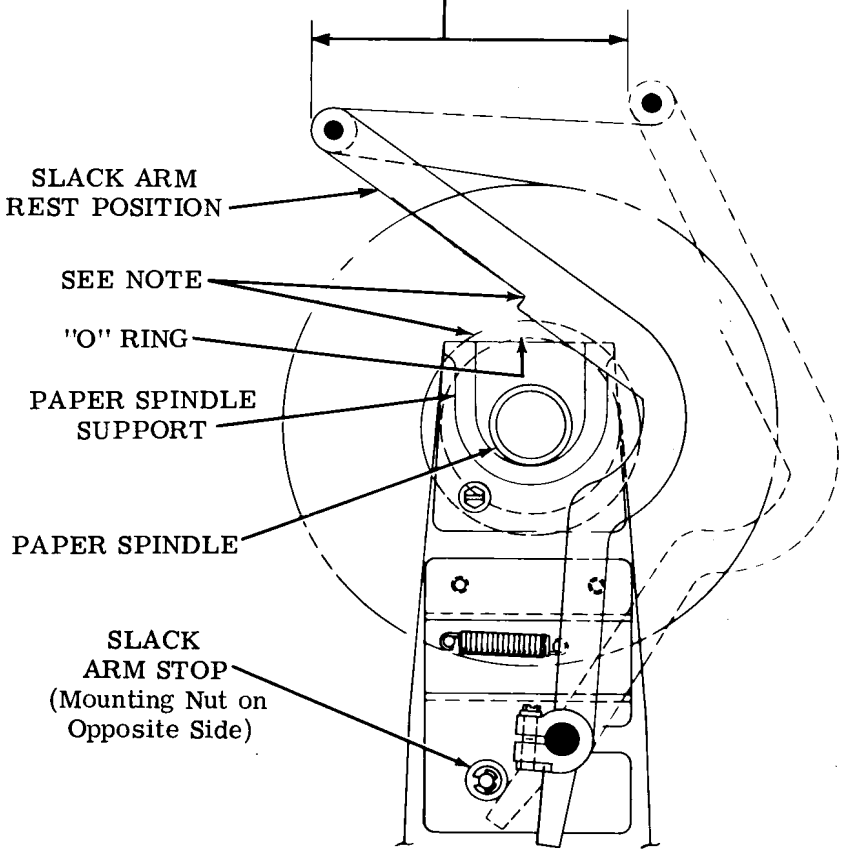
Note: "V" pulley with an "O" ring added to spindle, and insert added to slack arm to arrest overtravel of reel in its idle mode.

SLACK ARM STOP (Latest Design)

To Check
Paper spindle should be empty and slack arm should be in rest position.

Requirement
With slack arm depressed, deflection from rest position should be no more than 3 inches.

To Adjust
With upper slack arm stop mounting nut loosened, position slack arm stop (adjust right and left stops). Tighten mounting nut.



(Left Side View)

2.13 Paper Unwinder (continued)

SLACK ARM STOPS — PRELIMINARY (Early Design)

To Check
Paper spindle should be empty and slack arm should be in rest position.

Requirement
Clearance between slack arm and paper spindle supports (right and left) should be approximately 3/8 inch.

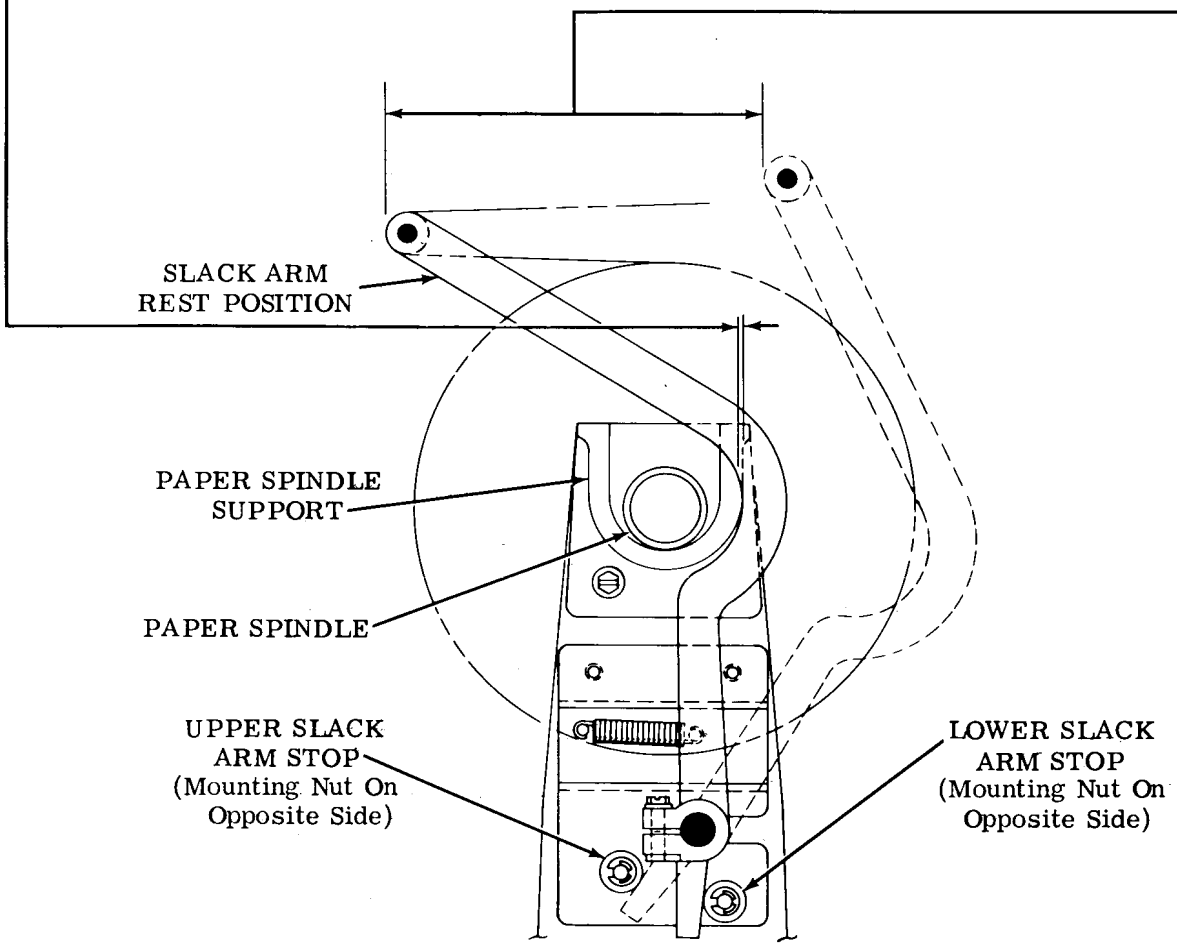
To Adjust
With lower slack arm stop mounting nut loosened, position lower slack arm stop (adjust right and left stops). Tighten mounting nut.

SLACK ARM STOPS — FINAL (Early Design)

To Check
Paper spindle should be empty and slack arm should be in rest position.

Requirement
With slack arm depressed, deflection from rest position should be no more than 3 inches.

To Adjust
With upper slack arm stop mounting nut loosened, position upper slack arm stop (adjust right and left stops). Tighten mounting nut.



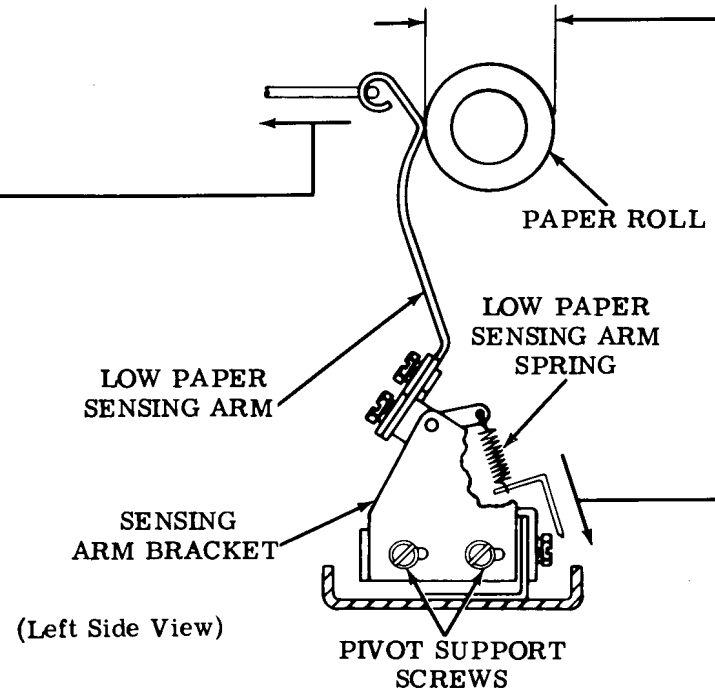
(Left Side View)

2.14 Paper Unwinder (continued)

LOW PAPER SENSING ARM

Requirement
With paper roll biased toward cover, low paper alarm switch should close when diameter of paper roll is 1-1/2 inches.

To Adjust
Loosen two screws which support pivot for low paper sensing arm. With continuity tester or voltmeter attached to switch contacts, position pivot support bracket toward right or left until requirement is met. Tighten screws.



LOW PAPER SENSING ARM SPRING

To Check
Paper roll should be approximately 1-1/2 inches in diameter.

Requirement
Amount of force to pull low paper sensing arm spring to installed length should be
Min 10 oz---Max 12 oz
This should result in a force of
Min 1/2 oz---Max 3/4 oz
against paper roll.

To Adjust
If requirement can not be met, replace low paper sensing arm spring.

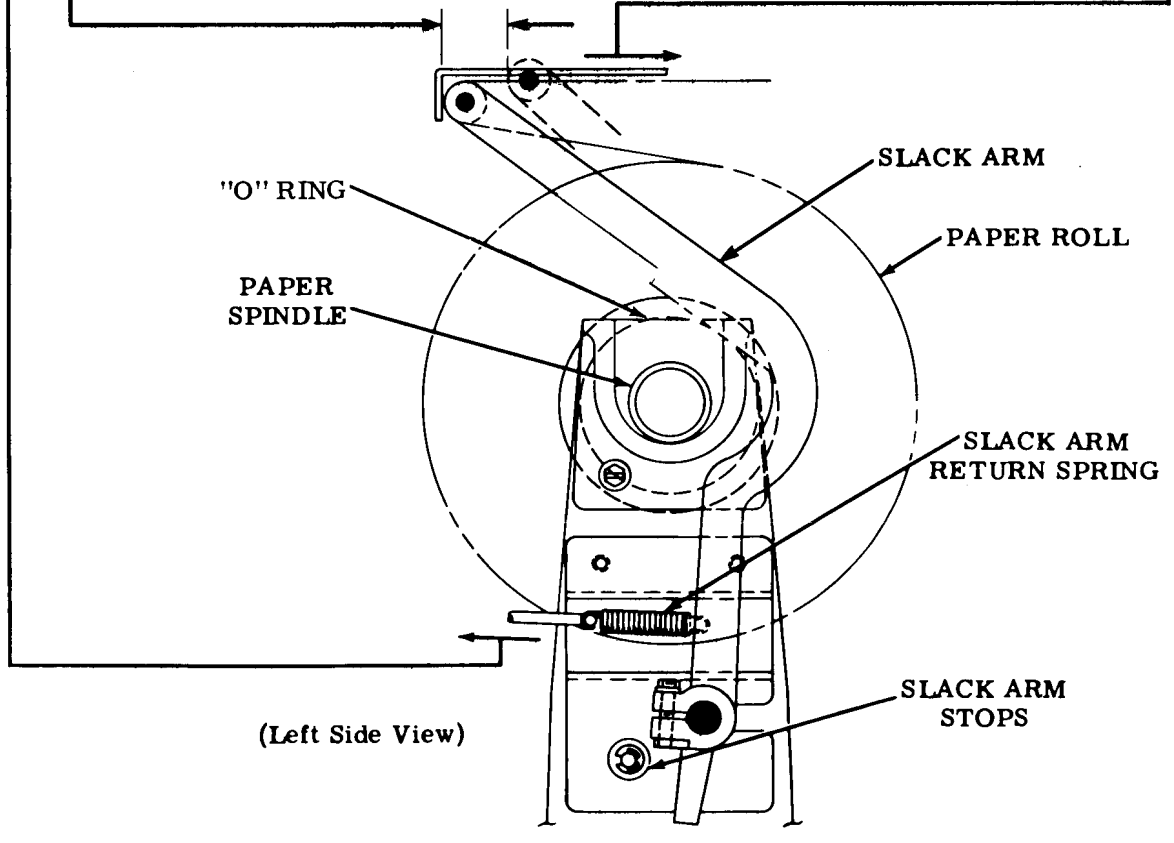
2.141 Paper Unwinder (continued)

SLACK ARM RETURN SPRING (Latest Design)

To Check
Paper slack arm should be in normal rest position with no deflection.

Requirement
Amount of force to pull slack arm return spring to installed length should be
Min 20 oz---Max 28 oz
This should result in a force of
Min 4 oz---Max 6 oz
to deflect slack arm approximately 1/4 inch from rest position.

To Adjust
If requirement can not be met, replace slack arm return springs (right and left sides).



(Left Side View)

2.15 Paper Unwinder (continued)

SLACK ARM RETURN SPRING (Early Design)

To Check

Paper slack arm should be in normal rest position with no deflection.

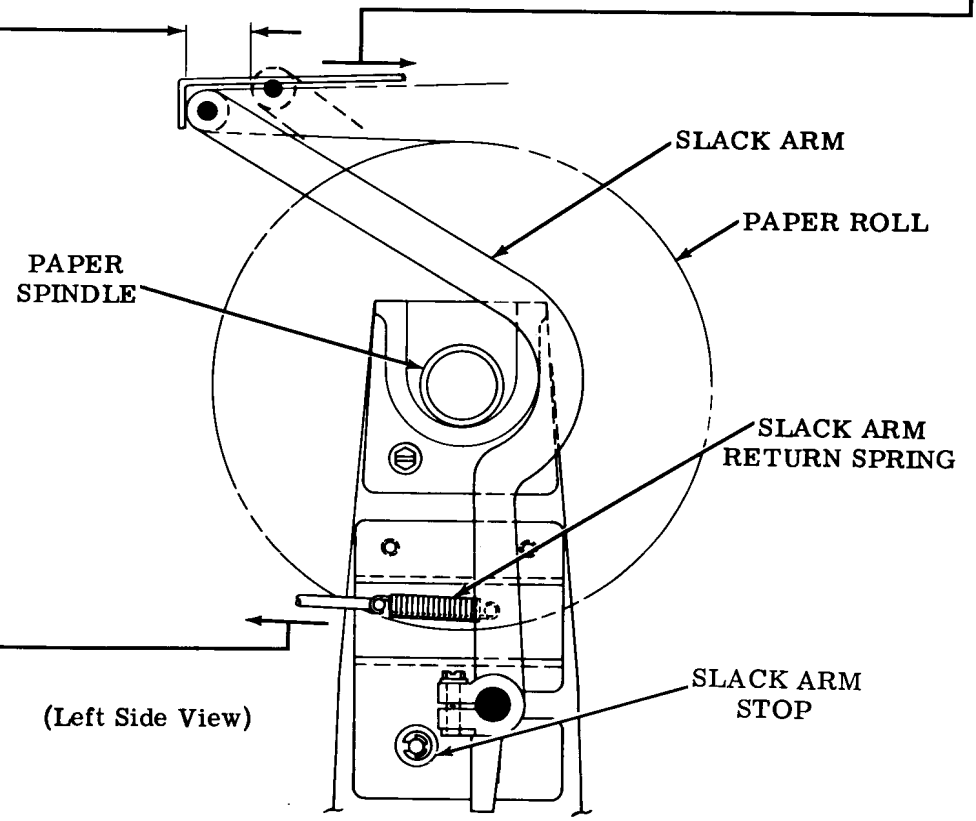
Requirement

Amount of force to pull slack arm return spring to installed length should be Min 20 oz---Max 28 oz

This should result in a force of Min 4 oz---Max 6 oz to deflect slack arm approximately 1/4 inch from rest position.

To Adjust

If requirement can not be met, replace slack arm return springs (right and left sides).



(Left Side View)

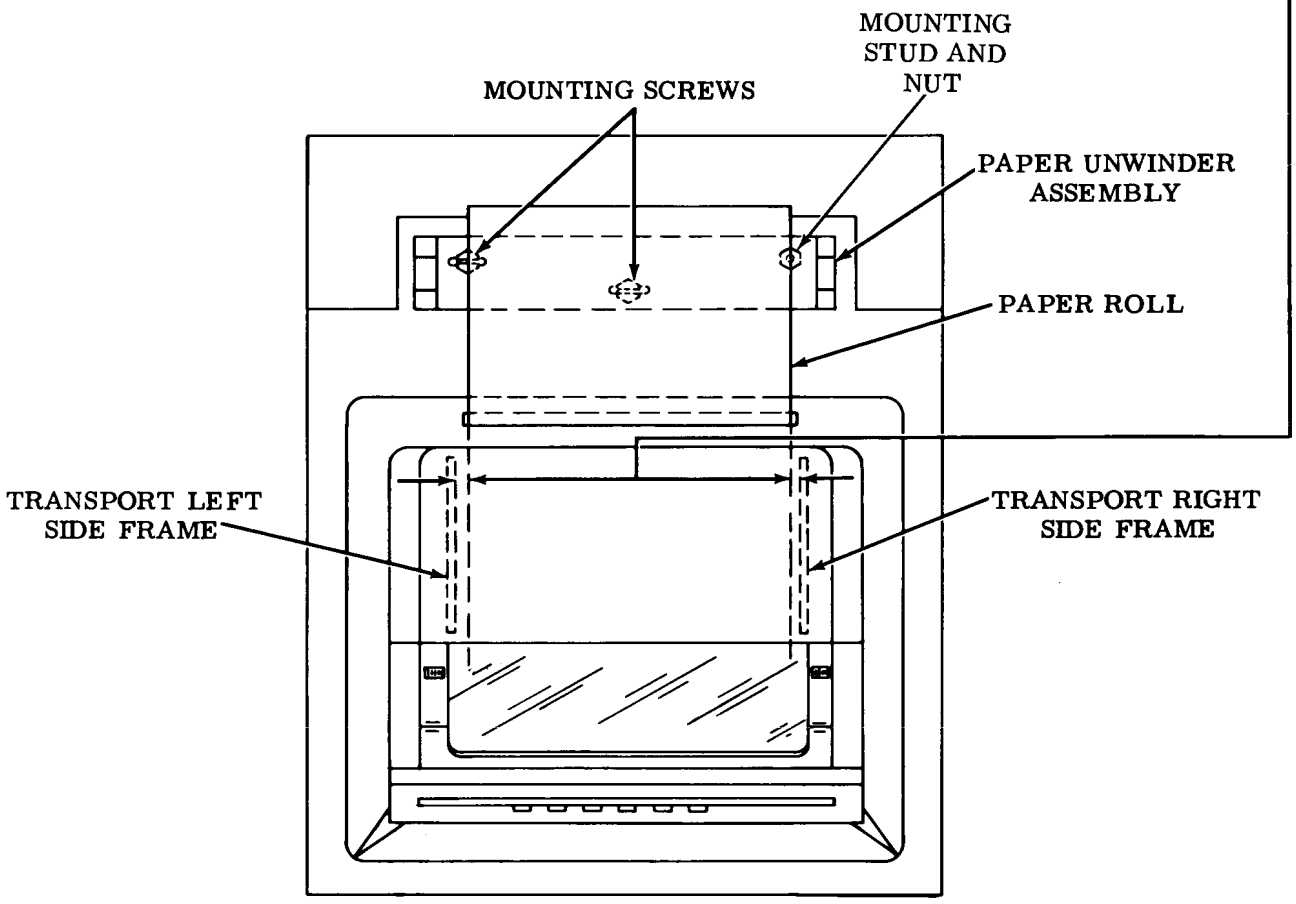
2.16 Paper Unwinder (continued)

PAPER ALIGNMENT

To Check
Feed paper through unit without necessarily printing.

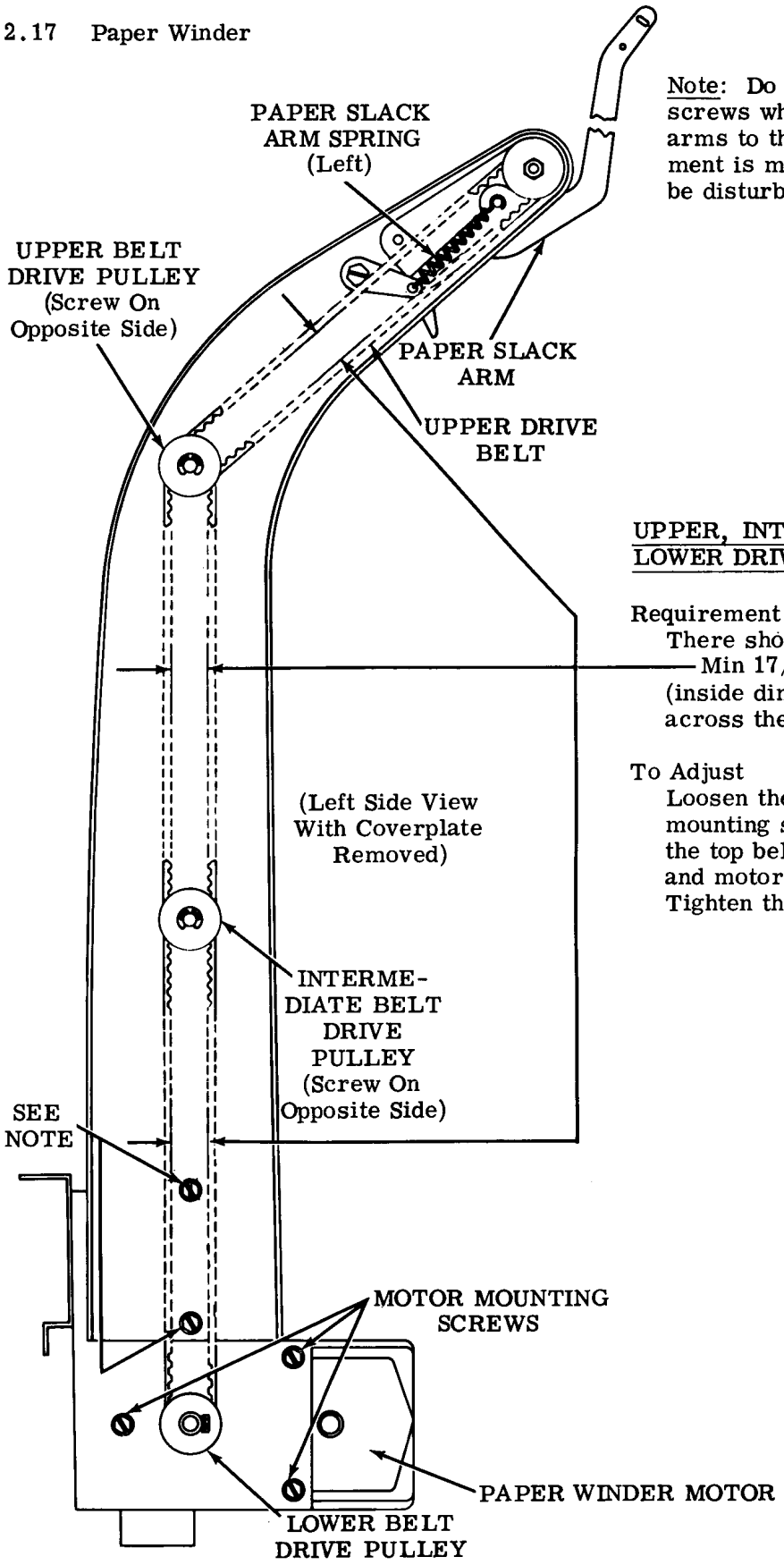
Requirement
Paper should be centered with no more than 1/8 inch difference between side frames of transport mechanism and edge of paper on each side.

To Adjust
With paper unwinder mounting screws loosened, position paper unwinder assembly either right or left. Tighten mounting screws and nut.



(Top View)

2.17 Paper Winder



Note: Do not attempt to loosen or adjust screws which secure the paper winder arms to the mounting bracket. This adjustment is made at the factory and should not be disturbed.

UPPER, INTERMEDIATE, AND LOWER DRIVE BELTS

Requirement

There should be Min 17/32 inch---Max 19/32 inch (inside dimension tooth to tooth) across the center of the belt loops.

To Adjust

Loosen the pulleys and winder motor mounting screws. Then starting at the top belt position, adjust the pulleys and motor to meet the requirement. Tighten the mounting screws.

2.18 Paper Winder (continued)

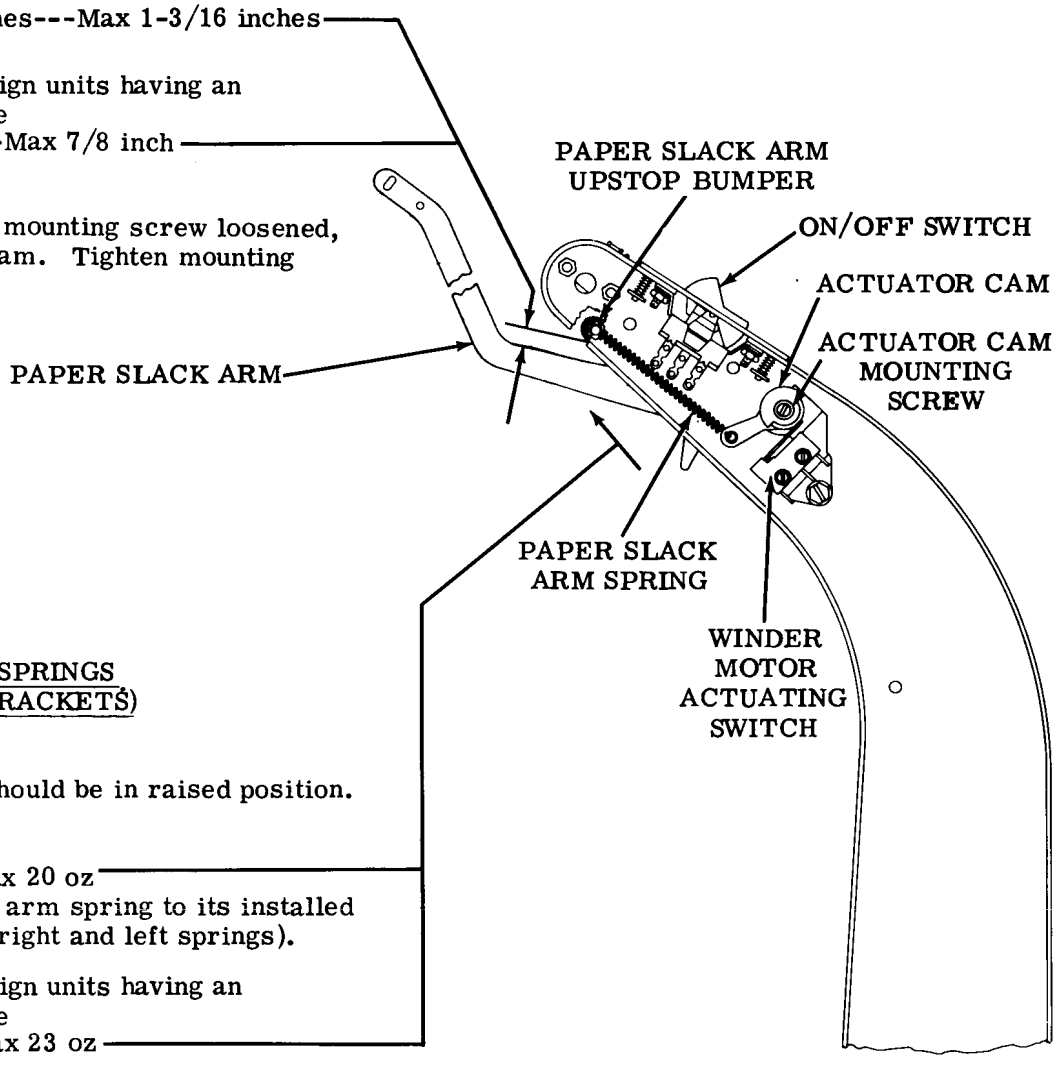
WINDER MOTOR ACTUATING SWITCH

To Check
Paper slack arm should be in raised position.

Requirement
Switch should open power line to motor when paper slack arm is lowered
Min 1-1/16 inches---Max 1-3/16 inches

Note: On late design units having an antiback-up feature
Min 3/4 inch---Max 7/8 inch

To Adjust
With actuator cam mounting screw loosened, position actuator cam. Tighten mounting screw.



PAPER SLACK ARM SPRINGS (RIGHT AND LEFT BRACKETS)

To Check
Paper slack arm should be in raised position.

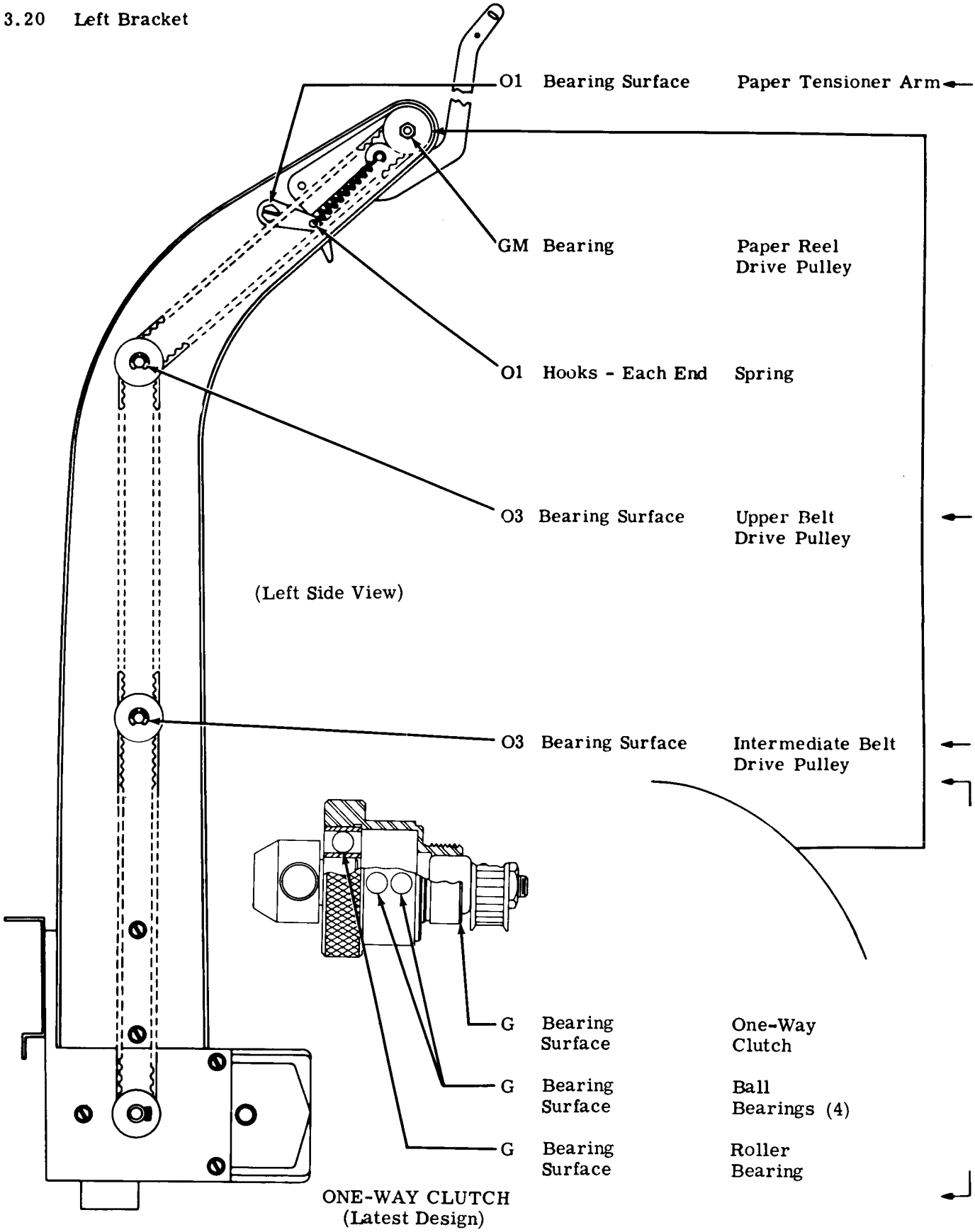
Requirement
Min 18 oz---Max 20 oz
to pull paper slack arm spring to its installed length (check both right and left springs).

Note: On late design units having an antiback-up feature
Min 20 oz---Max 23 oz

To Adjust
If requirement is not met, replace right and left paper slack arm springs.

(Right Side Bracket with Coverplate Removed)

3.20 Left Bracket



ONE-WAY CLUTCH
(Latest Design)