

2.94 Form Feed Area

FORM FEED BELT TENSION - S

Note 1: Check tension only if the form feed belt is suspected of not meeting its requirement.

Requirement

The form feed belt tension should not be too tight or too loose.

To Adjust

Loosen three form feed assembly bracket mounting screws and hook a spring scale under the trip shaft at the latchlever. Position and pull up with a force of 7 pounds and hold. Tighten the three form feed assembly bracket mounting screws in the following order: first, the right front mounting screw; then, the right rear mounting screw, and finally, the left mounting screw.

Related Adjustments**Affects**

FORM-OUT LEVER OVERTRAVEL - S
(2.98)

FORM-OUT LEVER — RESET CLEARANCE - S (Late Design) (2.102) - and (Early Design) (2.101)

TRIP LEVER ENGAGEMENT — LINE FEED - S (Early Design) (2.104)

TRIP LEVER UPSTOP POSITION - S
(Early Design) (2.106)

LINE FEED SELECTION - S (2.108)

IDLER POSITION - S (2.100)

DETENT POSITION - S (2.109)

RESET FOLLOWER LEVER — RESET POSITION - S (2.110)

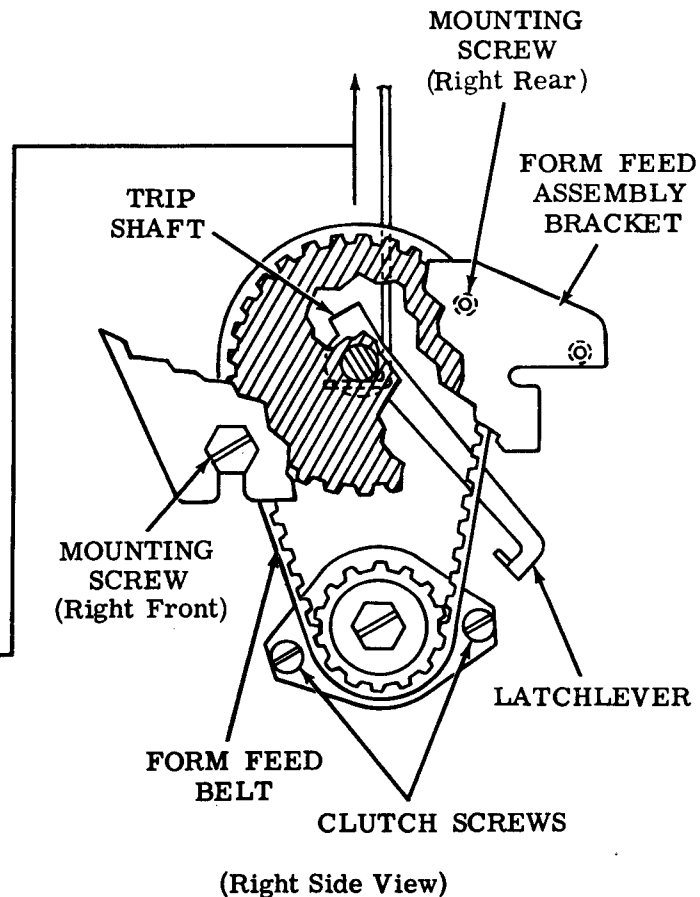
CAM ZERO POSITION - S (2.110)

CLUTCH SHOE LEVER GAP - S (2.95)

TRIP SHAFT ENDPLAY - S (2.97)

TRIP LEVER ENGAGEMENT — FORM-OUT - S (2.103)

FORM-OUT CONTACT PRESSURE AND GAP - S (2.113)

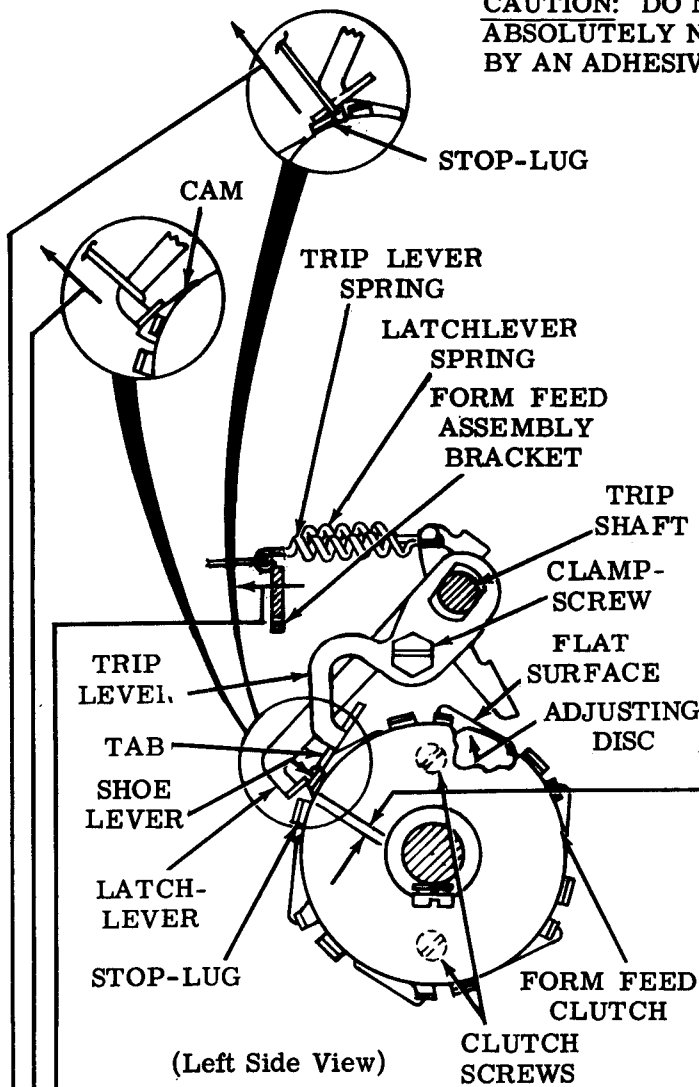


(Right Side View)

Note 2: Make certain that the shaft is free by rotating reset follower lever. If necessary, free trip shaft by repositioning the left mounting bracket of the form feed assembly bracket against the form feed assembly bracket.

Note 3: The left mounting screw is located on the left side of the form feed bracket.

2.95 Form Feed Area (continued)



CAUTION: DO NOT DISTURB THE CLUTCH SCREWS UNLESS ABSOLUTELY NECESSARY. CLUTCH SCREWS ARE SECURED BY AN ADHESIVE AT THE FACTORY.

CLUTCH SHOE LEVER GAP - S

(1) To Check

Rotate the main shaft until the form feed clutch is in that stop position which brings the flat surface of the adjusting disc to the position illustrated. Disengage (latch) the form feed clutch.

Requirement

Min 0.015 inch---Max 0.040 inch between the stop-lug and the shoe lever.

To Adjust

Loosen clampscrew and position trip lever. Tighten clampscrew.

Note: Do not make the following adjustment unless requirement (1) cannot be met. If the clutch screws are disturbed, they must be resealed with and application of TP186171 Glyptal adhesive.

(2) To Check

With form feed clutch conditioned as in (1) To Check, measure and record clearance between shoe lever and stop-lug. Raise trip lever to trip (engage) form feed clutch. Fully seat clutch shoes by applying slight pressure against shoe lever along its normal path of forward travel. Again measure and record shoe lever, stop-lug clearance.

Requirement

Clearance between stop-lug and shoe lever.

Min 0.055 inch---Max 0.085 inch greater when form feed clutch is engaged than when disengaged.

To Adjust

Loosen the two clutch screws friction tight and position adjusting disc. Apply appropriate adhesive (Glyptal) to clutch screw threads. Tighten both screws before adhesive dries.

Related Adjustments

Affects

TRIP LEVER ENGAGEMENT — LINE FEED - S (Early Design) (2.104)

TRIP LEVER ENGAGEMENT — FORM-OUT - S (2.103)

TRIP LEVER ENGAGEMENT — (Preliminary) - S (2.96)

Affected By

FORM FEED BELT TENSION - S (2.94)

LATCHLEVER SPRING - S

Requirement

With latchlever resting on the high part of the cam

Min 3 oz---Max 7 oz to start latchlever moving.

TRIP LEVER SPRING - S

Requirement

With trip lever tab resting on top of a stop-lug
Early Design

Min 3 oz---Max 4-1/2 oz to start lever moving.

Late Design

Min 14 oz---Max 18 oz to pull trip lever spring to installed length.

2.96 Form Feed Area (continued)

TRIP LEVER ENGAGEMENT (Preliminary) - S

Note: This adjustment applies to late design typing units containing the TP185998 nickel plated plate.

To Check

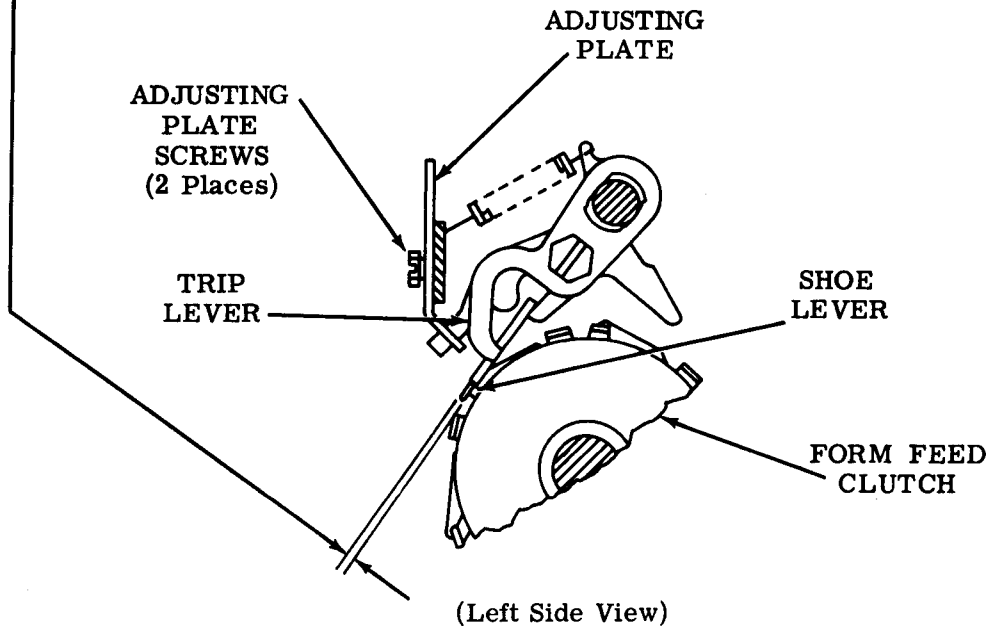
Rotate form feed clutch until a shoe lever is just about to contact the trip lever.

Requirement

Top surface of trip lever should be flush to 0.010 inch below top surface of shoe lever.

To Adjust

Loosen the two adjusting plate screws and position adjusting plate. Tighten both screws.

**Related Adjustments****Affects**

TRIP LEVER ENGAGEMENT (Final) - S (Late Design) (2.104)

Affected By

CLUTCH SHOE LEVER GAP - S (2.95)

2.97 Form Feed Area (continued)

TRIP SHAFT ENDPLAY - S

Requirement

Min some---Max 0.012 inch endplay of the trip shaft.

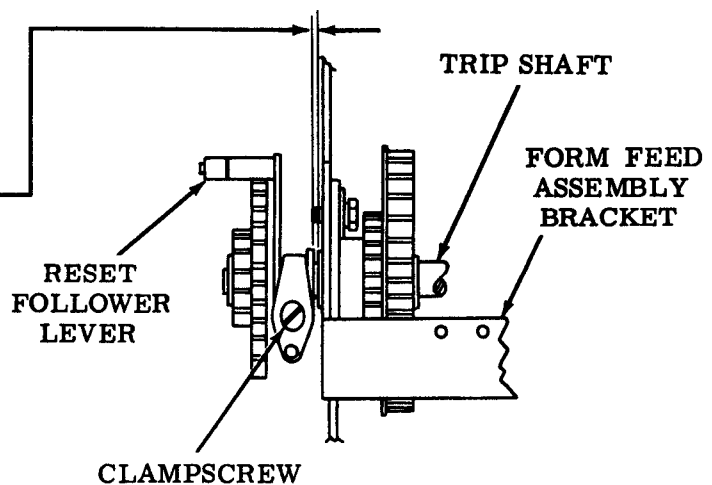
To Adjust

Loosen clampscrew and position reset follower lever on trip shaft. Tighten clampscrew.

Related Adjustments

Affected By

FORM FEED BELT TENSION - S (2.94)



(Rear View)

LINE FEED LEVER LINE-UP AND ENDPLAY - S

(1) Requirement

The line feed pawl should engage the flat on the tab of the line feed lever.

(2) Requirement

With all endplay taken up toward the right --- Min some---Max 0.012 inch between line feed lever and collar.

(3) Requirement

There must be some clearance between the line feed lever and the main shaft gear.

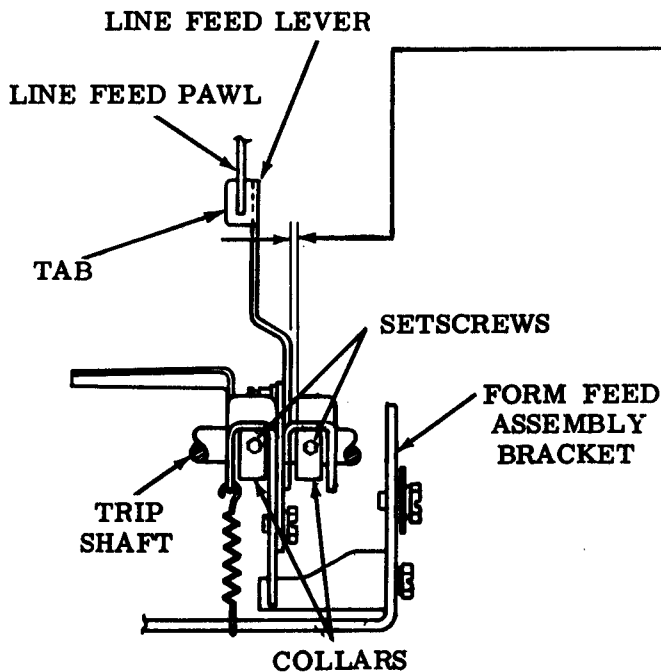
To Adjust

Loosen collar setscrews and position collars to meet Requirements (1) and (2). Loosen main shaft gear screw and position main shaft gear to meet Requirement (3). Tighten all screws.

Related Adjustment

Affected By

FORM FEED BELT TENSION - S (2.94)



(Front View)

2.98 Form Feed Area (continued)

FORM-OUT LEVER OVERTRAVEL - S**To Check**

With the form-out code combination (--34---8) set up in selector, rotate the main shaft until the form-out function lever is in its lowermost position.

Requirement

Min 0.010 inch---Max 0.020 inch clearance between form-out lever and notch of arm.

To Adjust

Loosen screw, hold form-out function lever against its pawl, and position arm using pry points. Tighten screw.

Related Adjustment**Affected By**

RIGHT ROCKER DRIVE (Function Area)

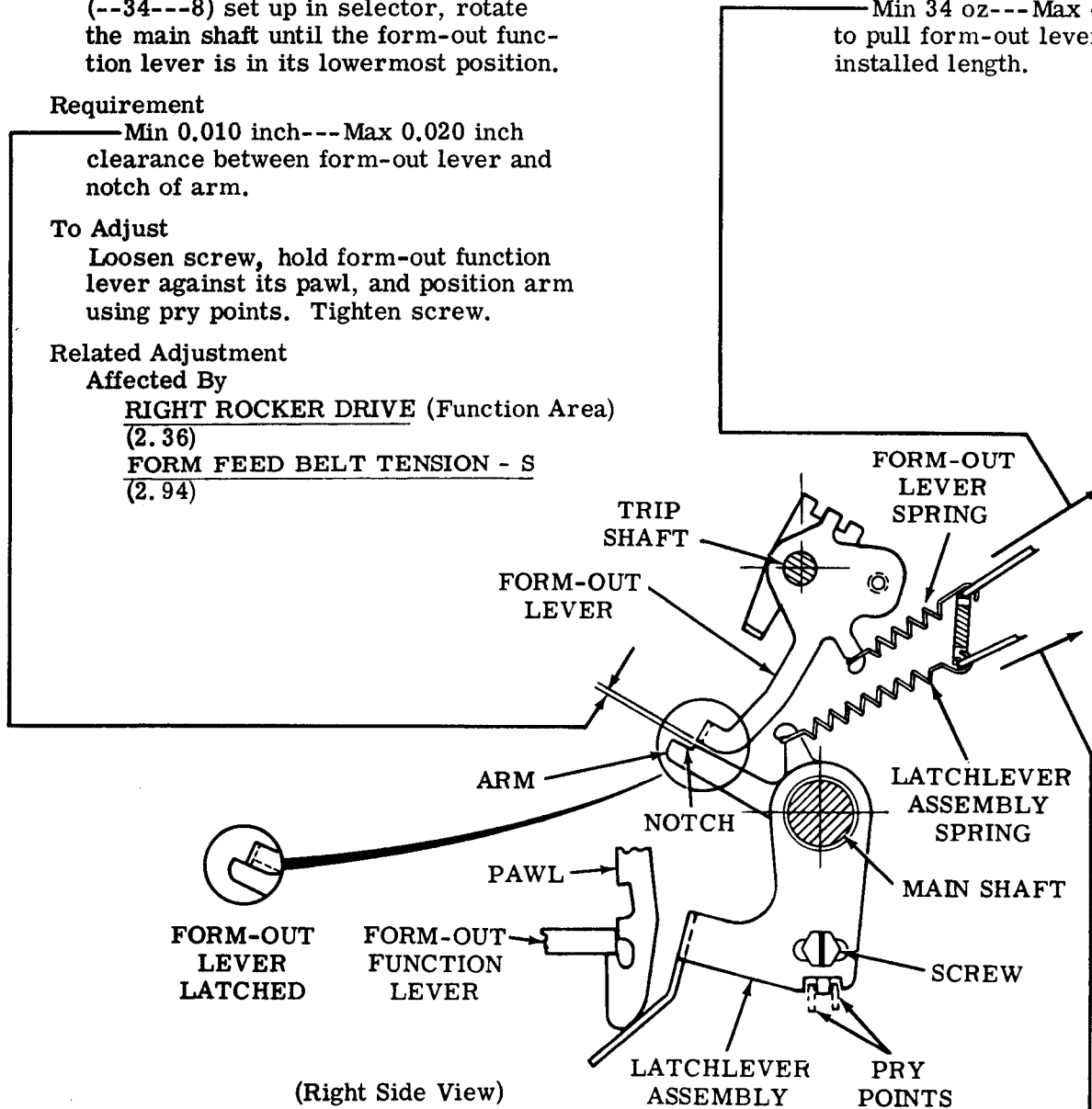
(2.36)

FORM FEED BELT TENSION - S

(2.94)

FORM-OUT LEVER SPRING - S**Requirement**

With the form-out lever latched
Min 34 oz---Max 44 oz
to pull form-out lever spring to installed length.

LATCHLEVER ASSEMBLY SPRING - S**Requirement**

With the form-out lever latched

Min 9 oz---Max 11 oz

to pull latchlever assembly spring to installed length.