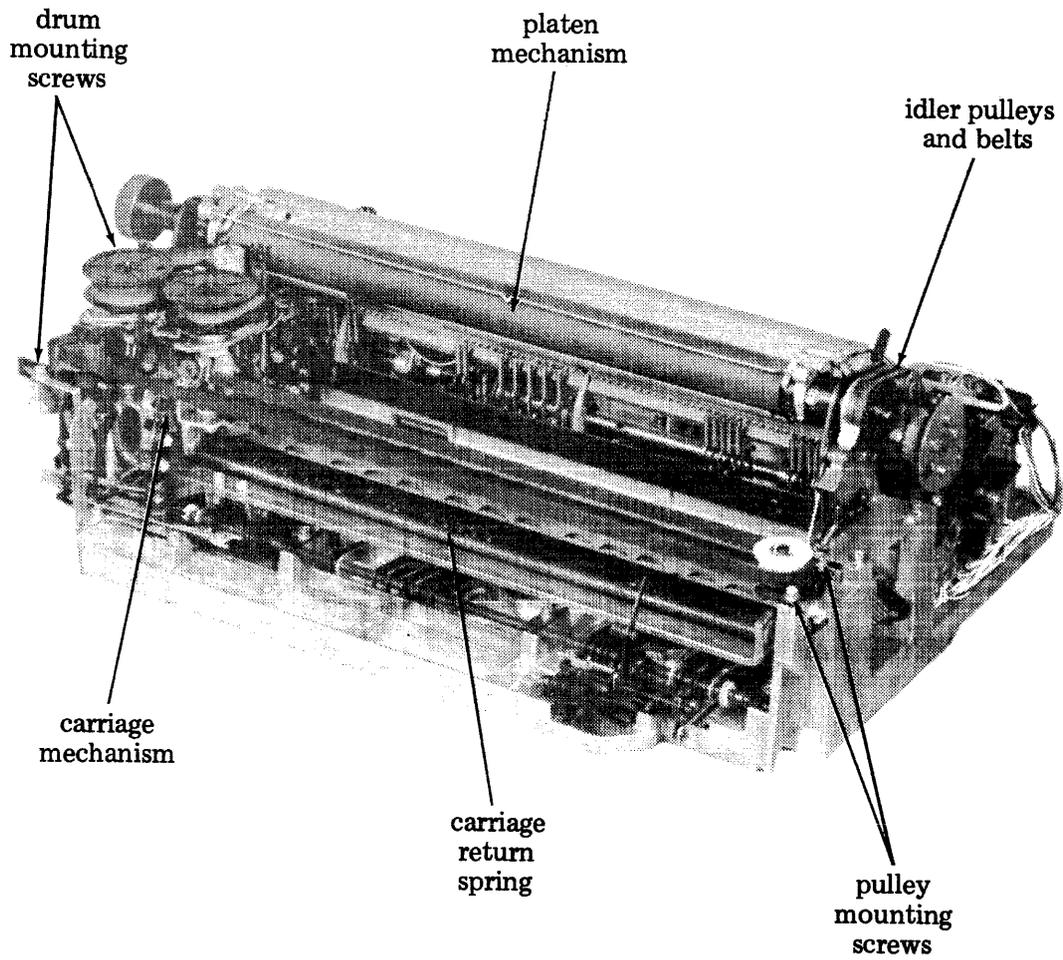


38 PRINTER  
 DISASSEMBLY AND REASSEMBLY

CONTENTS	PAGE	2. PRINTER
1. GENERAL . . . . .	1	CARRIAGE MECHANISM
2. PRINTER . . . . .	1	2.01 Disassemble carriage mechanism (Figure 1) as follows:
CARRIAGE MECHANISM . . . . .	1	(a) Unhook carriage return spring from carriage.
PLATEN MECHANISM . . . . .	1	(b) Loosen two screws in spacing pulley mounting bracket.
SELECTOR MECHANISM . . . . .	3	(c) Loosen two screws in spacing drum mounting bracket.
CODEBAR MECHANISM . . . . .	3	(d) Rotate mounting brackets attached to casting and remove.
FUNCTION BOX MECHANISM . . . . .	4	(e) Disengage spacing belt from pulley on spacing drum.
TRIP SHAFT MECHANISM . . . . .	4	(f) Slide front carriage shaft to the right and remove.
MOTOR . . . . .	5	(g) Disengage slide guides from codebars by lifting and rotating front of carriage to the left. Remove carriage.
FORM-OUT MECHANISM . . . . .	5	2.02 Reassemble carriage mechanism by reversing procedures in 2.01.
MAIN SHAFT MECHANISM . . . . .	6	
DISTRIBUTOR MECHANISM . . . . .	6	PLATEN MECHANISM
FUNCTION ROCKER SHAFT . . . . .	7	2.03 Disassemble platen mechanism (Figure 1) as follows:
1. GENERAL		(a) Loosen nut on idler pulley post and back off on the pulleys.
1.01 This section provides disassembly and reassembly instructions for the 38 Printer. These instructions are confined to major subassemblies only. If further printer disassembly and reassembly is required, refer to Section 574-422-800TC.		(b) Slip off belts from platen sprockets.
		(c) Loosen four mounting screws from platen side plates.
		(d) Lift platen mechanism from printer.
1.02 To remove the printer as a unit from the teletypewriter, refer to Section 574-400-702TC.		2.04 Reassemble carriage mechanism by reversing procedure in 2.03.



right front view

Figure 1 - Carriage and Platen Mechanisms

## SELECTOR MECHANISM

- 2.05 Disassemble selector mechanism (Figure 2) as follows:
- (a) Install selector cam removal tool per instructions on label.
  - (b) Remove mounting screw from selector clutch.
  - (c) Remove selector clutch by sliding and rotating it to the left.
  - (d) Remove platen mounting post and codebar clutch trip arm.
  - (e) Remove blocking lever upstop bracket.
  - (f) Remove selector magnet leads and three selector mounting screws.
  - (g) Lift blocking levers from guide slots and remove selector mechanism.
- 2.06 Reassemble selector mechanism by reversing procedure in 2.05.

## CODEBAR MECHANISM

- 2.07 Disassemble codebar mechanism (Figure 2) as follows:
- (a) Disassemble carriage mechanism as outlined in 2.01.
  - (b) Loosen upstop mounting bracket screw and remove bracket.
  - (c) Tighten upstop mounting bracket screw to secure retaining plate to printer casting.
  - (d) Remove carriage rear rail.
  - (e) Remove codebar tie bracket at left side of printer.
  - (f) Rotate main shaft until codebar cam follower arm is riding on low part of codebar cam.
  - (g) Loosen four codebar mounting screws and remove codebar clamp from under each mounting screw.
  - (h) Lift blocking levers from their guide slots in front tie bracket.
  - (i) Remove codebar basket.
- 2.08 Reassemble codebar mechanism by reversing procedure in 2.07.

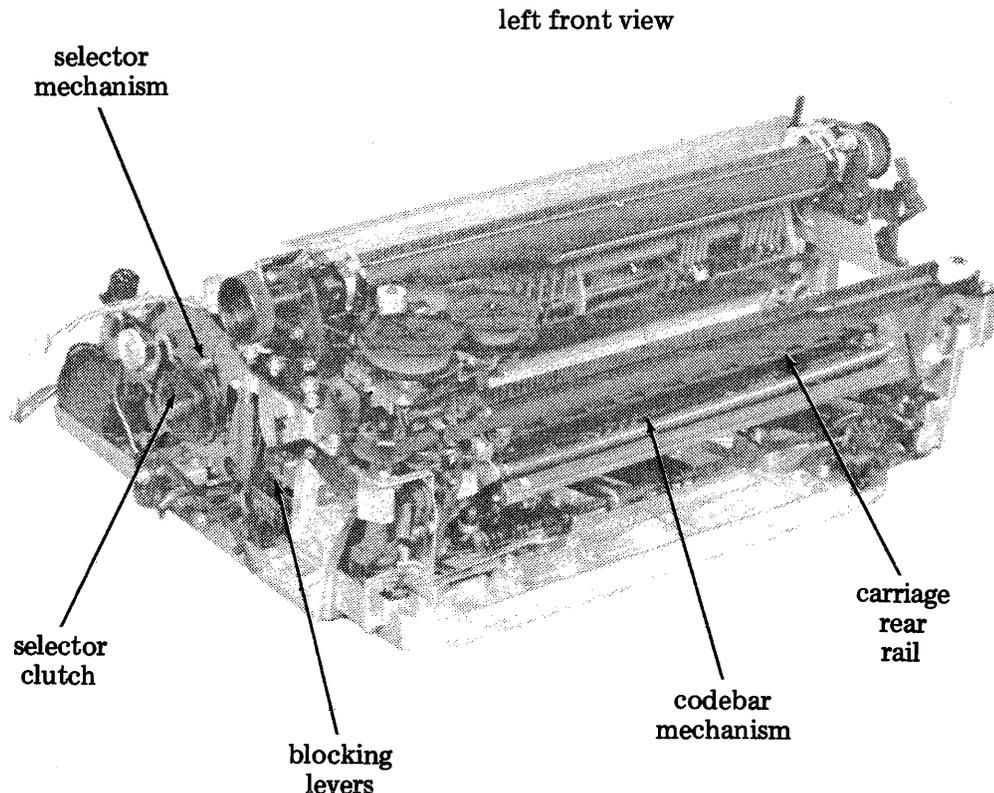


Figure 2 - Selector and Codebar Mechanisms

## FUNCTION BOX MECHANISM

2.09 Disassemble function box mechanism (Figure 3) as follows:

- (a) Disassemble carriage mechanism as outlined in 2.01.
- (b) Disassemble platen mechanism as outlined in 2.03.
- (c) Unhook spring connected between codebar reset bail and plate.
- (d) Loosen two mounting screws and remove two clamp plates.
- (e) Lift function box mechanism from printer casting.

2.10 Reassemble function box mechanism by reversing procedure in 2.09.

## TRIP SHAFT MECHANISM

2.11 Disassemble trip shaft mechanism (Figure 3) as follows:

- (a) Loosen four screws (two at left and right mounting brackets).
- (b) Push brackets inward and lift trip shaft mechanism from printer casting.

2.12 Reassemble trip shaft mechanism by reversing procedure in 2.11.

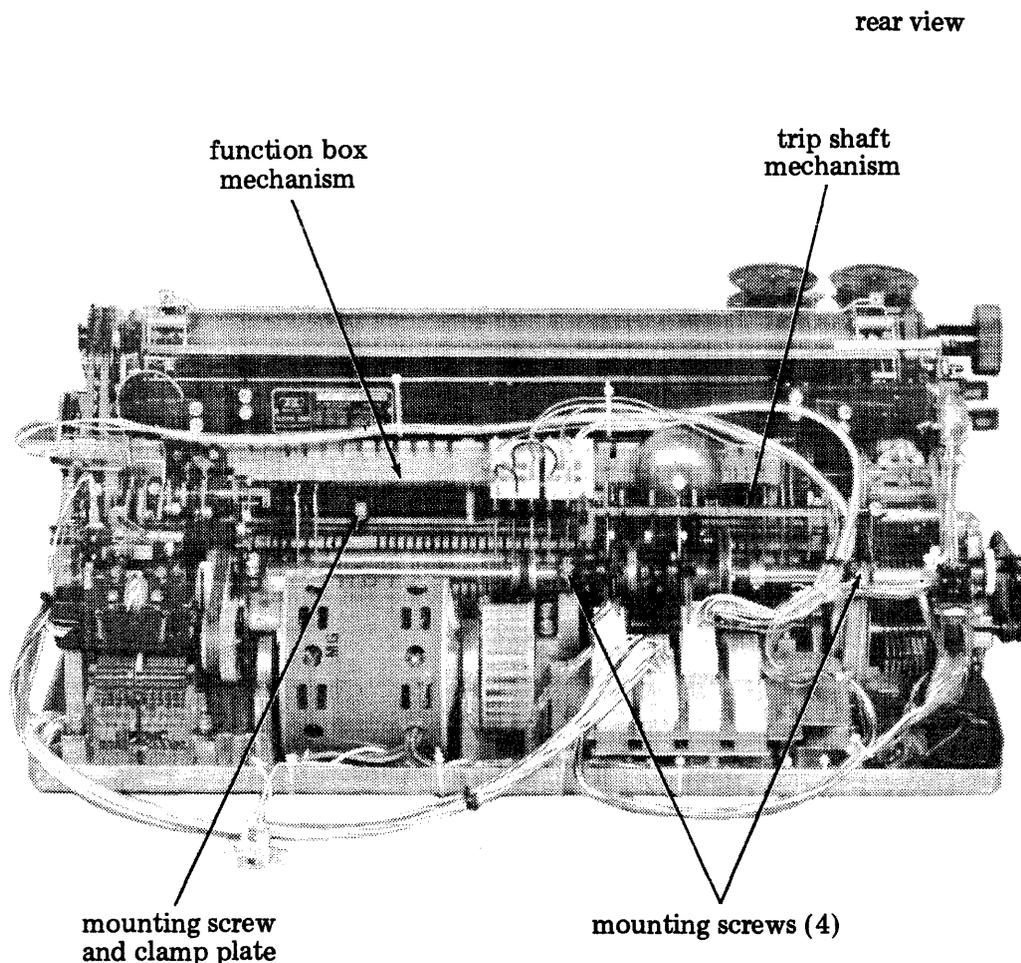


Figure 3 - Function Box and Trip Shaft Mechanisms

## MOTOR

- 2.13 Disassemble motor (Figure 4) as follows:
- (a) Remove four screws and two clamps from motor mount.
  - (b) Disengage belt from gear pulley at right of motor.
  - (c) Loosen motor start relay mounting screw.
  - (d) Remove plastic cable ties from motor wiring.
  - (e) Remove motor, start capacitor, start relay, and motor wiring.
- 2.14 Reassemble motor by reversing procedure in 2.13.

## FORM-OUT MECHANISM

- 2.15 Remove form-out mechanism (Figure 4) as follows:
- (a) Remove brush holder mounting screw, brush holder, and brush.
  - (b) Loosen distributor disc mounting screws and move disc until it is clear of form-out mechanism.
  - (c) Loosen idler nut, back off idler wheels, and remove two idler belts.
  - (d) Disengage spring from form-out latch-lever assembly.
  - (e) Work form-out mechanism upward and remove.
- 2.16 Reassemble form-out mechanism by reversing procedure in 2.15.

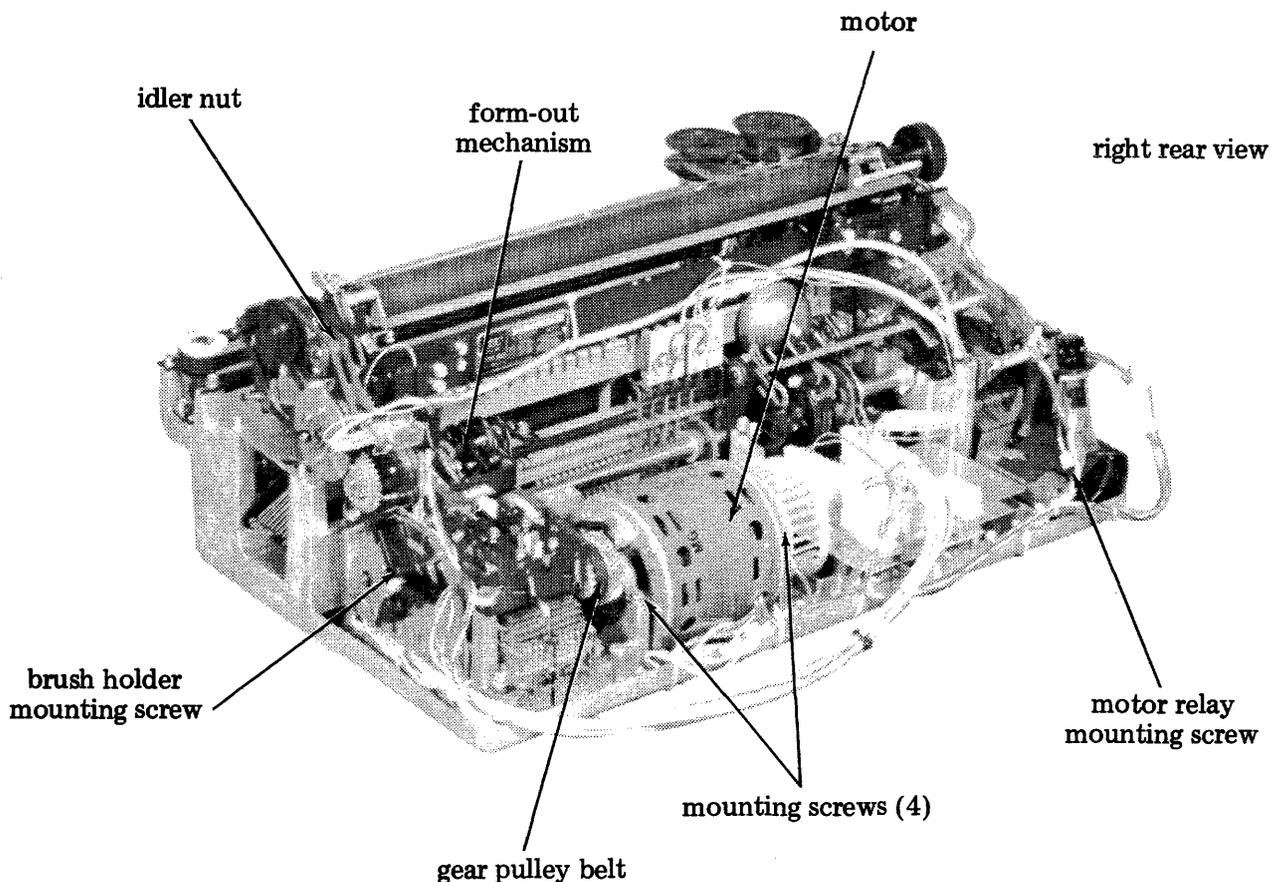


Figure 4 - Motor and Form-Out Mechanisms

## MAIN SHAFT MECHANISM

2.17 Disassemble main shaft mechanism (Figure 5) as follows:

- (a) Remove trip shaft mechanism.
- (b) Remove selector mechanism.
- (c) Remove motor.
- (d) Remove form-out mechanism.
- (e) Remove nut and flat washer from pivot shaft attached to underside of carriage drive bail.
- (f) Disengage front end of carriage link from pivot shaft.
- (g) Remove retaining ring from eccentric follower arm.
- (h) Disengage eccentric follower arm from function rocker shaft.
- (i) Slide main shaft to right and lift from casting.

2.18 Reassemble main shaft mechanism by reversing procedure in 2.17.

## DISTRIBUTOR MECHANISM

2.19 Disassemble distributor mechanism (Figure 5) as follows:

- (a) Remove mounting screw and brush holder.
- (b) Loosen three distributor disc mounting screws.
- (c) Remove mounting screw, magnet bracket, and clutch trip mechanism.
- (d) Loosen bearing mounting screw and remove bearing clamp.
- (e) Loosen screw and remove bracket.
- (f) Loosen two screws that mount the right bracket.
- (g) Remove belt from motor.
- (h) Lift distributor mechanism from casting.

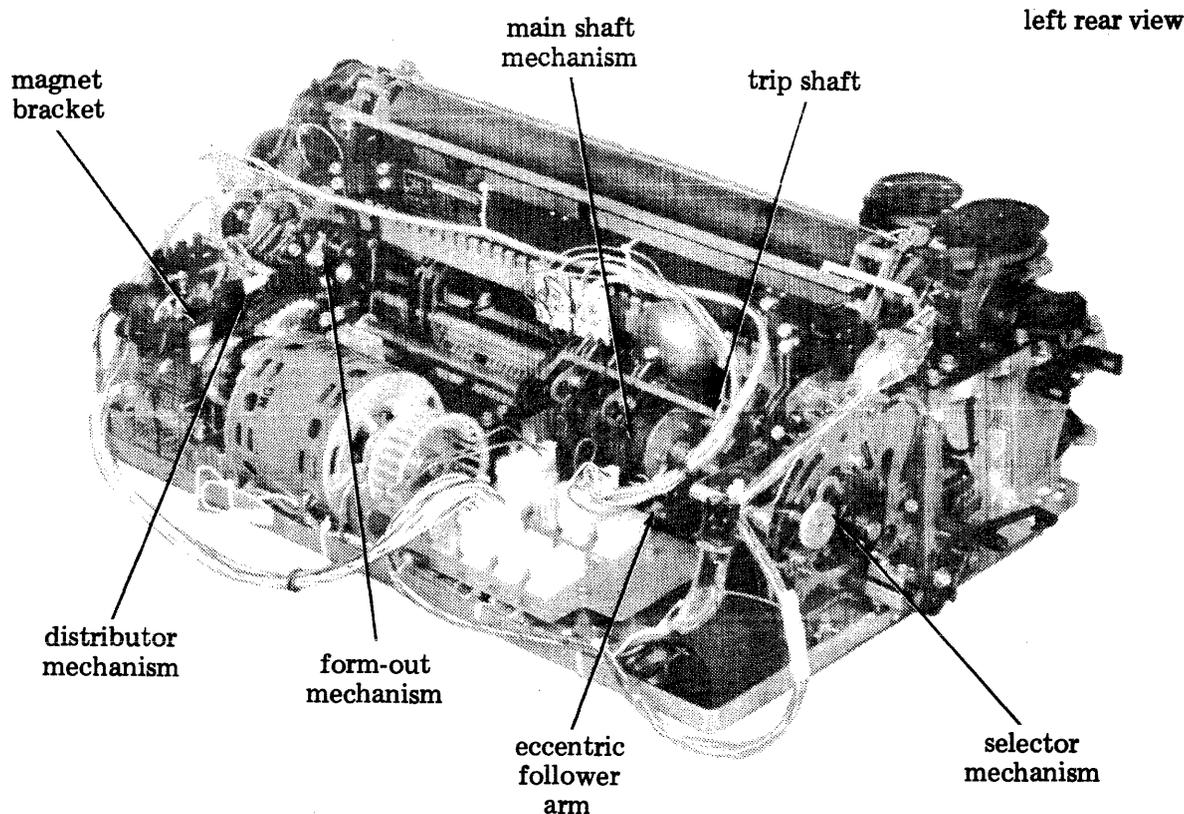


Figure 5 - Main Shaft and Distributor Mechanisms

2.20 Reassemble distributor mechanism by reversing procedure in 2.19.

#### FUNCTION ROCKER SHAFT

2.21 Remove function rocker shaft (Figure 6) as follows:

- (a) Remove trip shaft.
- (b) Remove form-out.
- (c) Remove main shaft.

(d) Remove retaining rings from posts at rear of left and right function bail drive links.

(e) Loosen two mounting screws and remove left and right function rocker shaft bearing clamp plates.

(f) Lift function rocker shaft from casting.

2.22 Reassemble function rocker shaft by reversing procedure in 2.21.

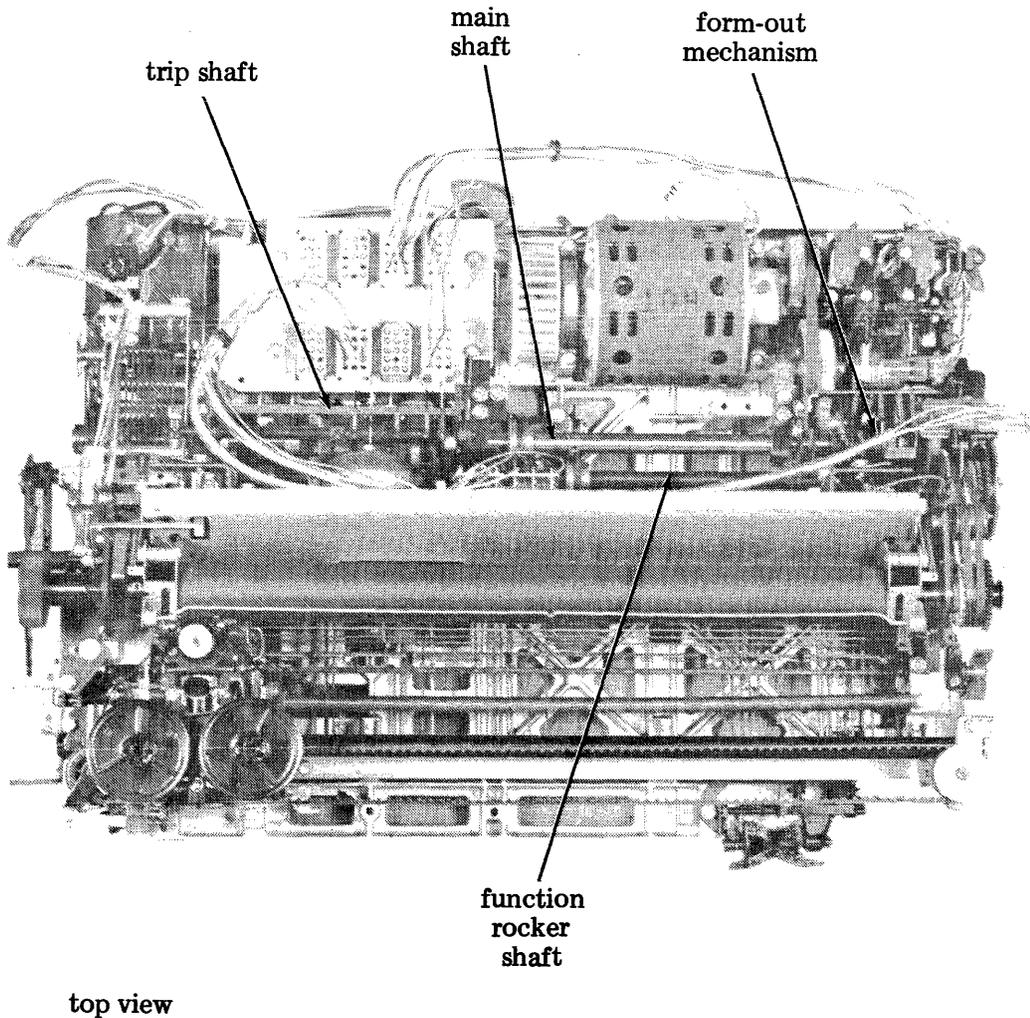


Figure 6 - Function Rocker Shaft