

38 PUNCH  
 DISASSEMBLY AND REASSEMBLY

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1. GENERAL		
1.01 This section provides disassembly and reassembly instructions for the 38 punch. The instructions are confined to major subassemblies only. It is reissued to make some corrections throughout the section. Marginal arrows are omitted. If further disassembly and reassembly of the punch is required, refer to Section 574-425-800TC.		
2. PUNCH		
TAPE GUIDE ASSEMBLY		
2.01 Disassemble tape guide assembly (Figure 1) as follows:		
(a) Note position of tape guide roller spring on notched arm with bushing, then remove spring.		
(b) Remove notched arm with bushing.		
(c) Remove mounting nut, lockwasher, and retaining ring.		
		(d) Remove large retaining ring.
		(e) Remove detent lever spring on right side.
		(f) Remove spring post.
		(g) Remove tape guide assembly and its post.
		2.02 Reassemble tape guide assembly by reversing procedure in 2.01.
		CHAD CHUTE ASSEMBLY
		2.03 Disassemble chad chute (Figure 1) as follows:
		(a) Remove chad chute extension from chad chute assembly.
		(b) Remove two screws, lockwashers, and flat washers from chad chute assembly and then remove chad chute assembly.
		(c) If necessary, remove gasket.
		2.04 Reassemble chad chute by reversing procedure in 2.03.
		PUNCH BLOCK ASSEMBLY
		2.05 Disassemble punch block (Figure 2) as follows:
		(a) Remove three screws, lockwashers, and flat washers.
		(b) Slide punch block forward until tongue in block holder and pins disengage from groove in casting and code levers respectively.
		2.06 Reassemble punch block as follows:
		(a) Replace block by positioning the slots in the punch pins until they face the guide pin.

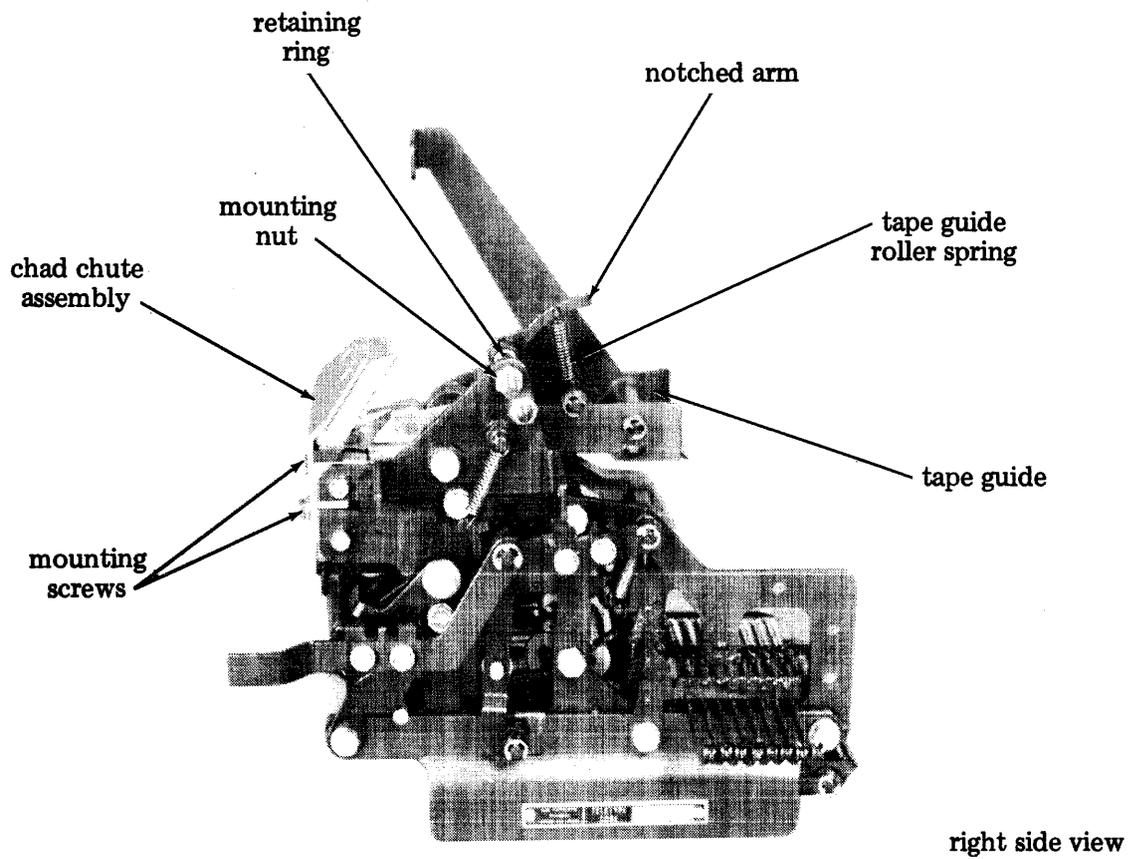


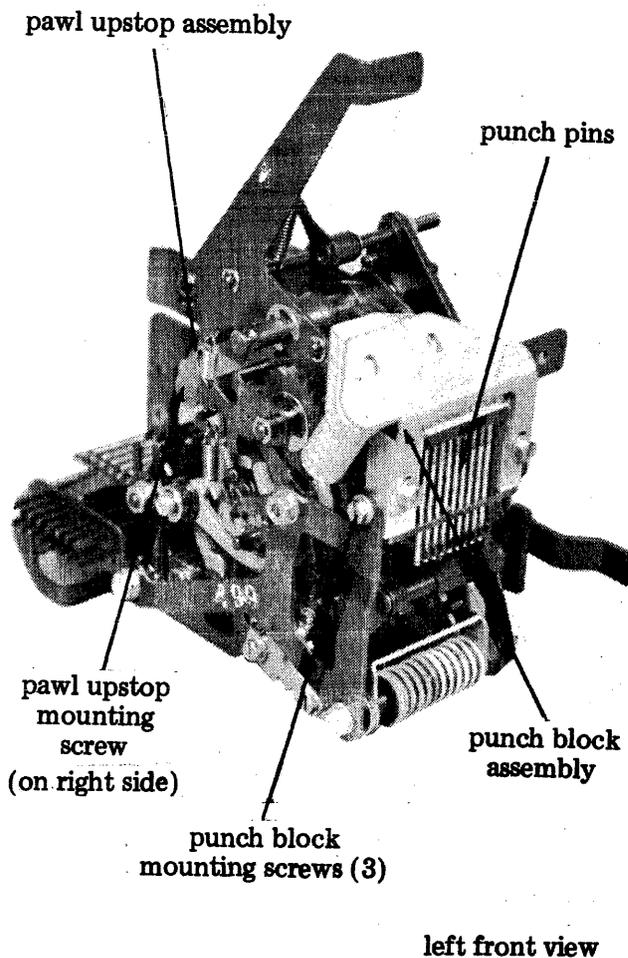
Figure 1 - Tape Guide and Chad Chute Assemblies

- (b) The bottom of punch pins should be in line and in a position that approximates their location on the punch.
- (c) Line up punch pin slots with their code levers.
- (d) Slide punch block back until slots of punch pins engage levers and screw holes line up.
- (e) Replace three screws and tighten.

**FEED PAWL UPSTOP ASSEMBLY**

2.07 Disassemble pawl upstop assembly (Figure 2) as follows:

*NOTE: Do not disassemble pawl upstop before removing pawl, lever, and spring combination. The slotted plate keeps the "ball and socket" of the lever and pawl fully engaged.*



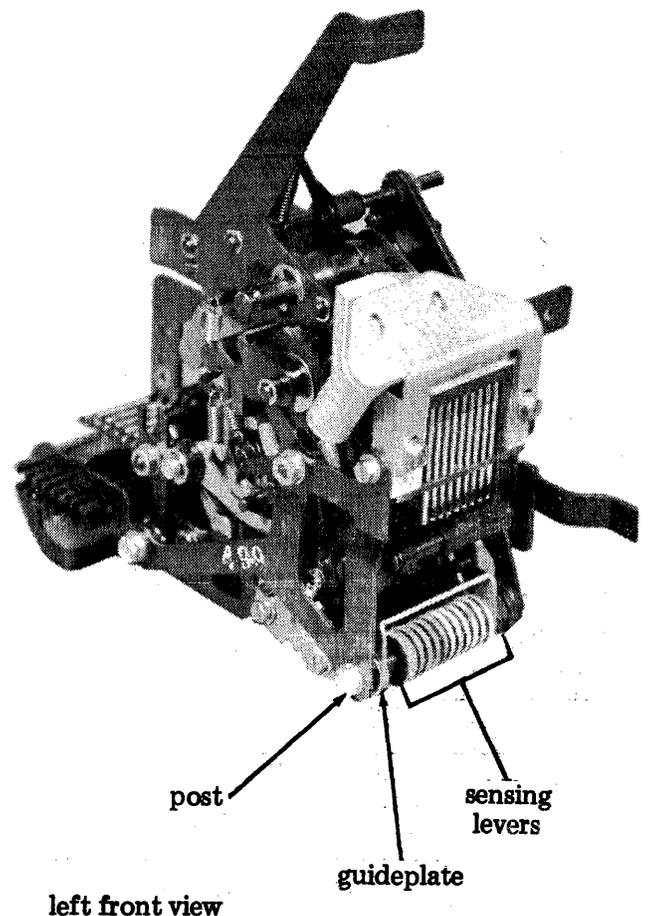
**Figure 2 - Punch Block and Pawl Upstop Assemblies**

- (a) Remove 45104 feed pawl spring, 185776 detent lever spring, 7655 back-space lever spring, and 182853 hook.
  - (b) Remove mounting screw from post.
  - (c) Remove post, bracket, and slotted plate.
- 2.08 Reassemble pawl upstop by reversing procedure in 2.07.

**SENSING LEVERS AND GUIDEPLATE**

2.09 Disassemble sensing levers and guideplate (Figure 3) as follows:

- (a) Unhook each sensing lever spring.
- (b) Make sure pawls are unlatched, then rotate each sensing lever away from guideplate.



**Figure 3 - Sensing Levers and Guideplate**

- (c) Unhook 7603 latch bail spring.
- (d) Remove two screws from post, then remove post and sensing levers with latch bail assembly.
- (e) Remove post and nut from guideplate, then remove guideplate.

2.10 Reassemble sensing levers and guideplate by reversing procedure in 2.09. However, push guideplate downward to take up all play before tightening screw and nut in step (d). Position guideplate horizontally, in a slight counterclockwise position as gauged by eye.

#### FEED PAWL, DETENT LEVER, AND SPRING COMBINATION

2.11 Disassemble pawl, lever, and spring (Figure 4) as follows:

- (a) Remove tape guide assembly 2.01.
- (b) Remove chad chute assembly 2.03.
- (c) Remove punch block assembly 2.05.
- (d) Remove pawl upstop assembly 2.07.
- (e) Remove sensing levers and guideplate 2.09.

- (f) Remove eight 70466 springs.
- (g) Remove screw holding the 188092 bracket.
- (h) Remove bracket.
- (i) Remove remaining screw holding the 182455 guide to power bail.
- (j) Remove guide.
- (k) Remove eight levers with studs.
- (l) Remove screw and nut with washers holding support plate in place.
- (m) Remove support plate.
- (n) Remove retainer holding feed pawl to power bail.
- (o) Remove feed pawl from power bail and detent lever assembly from 185846 post together.
- (p) Remove screw holding power bail and 182452 guide.
- (q) Remove power bail.

2.12 Reassemble pawl, lever, and spring by reversing procedure in 2.11.

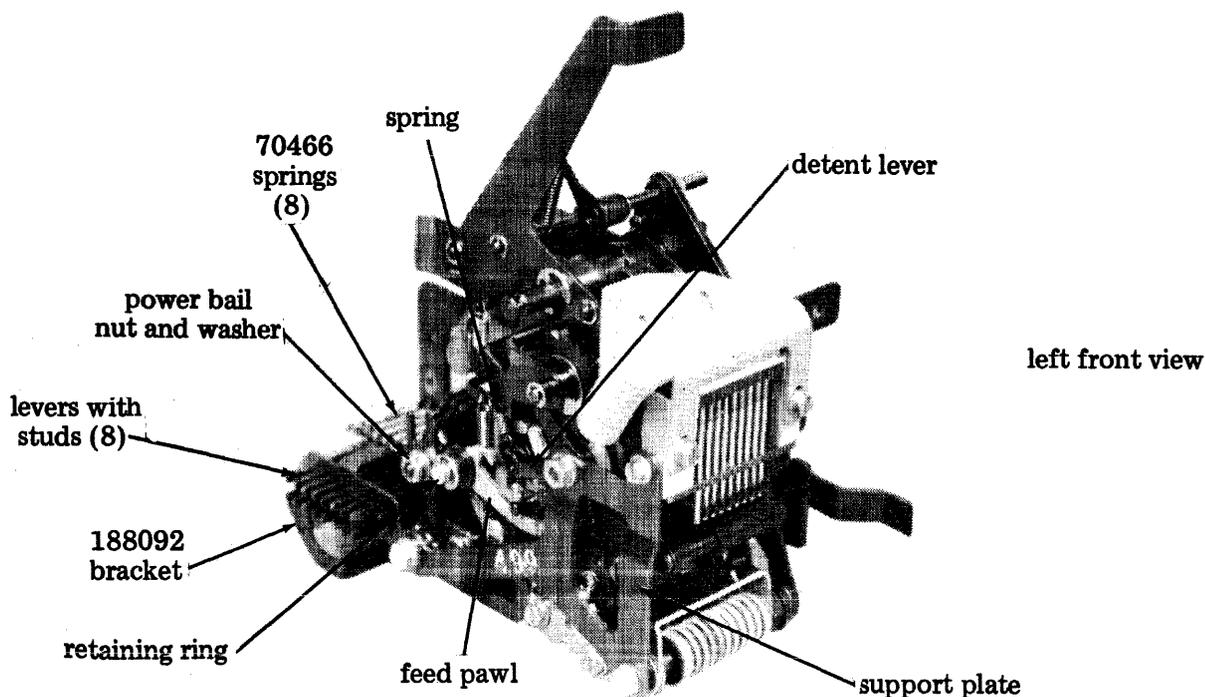


Figure 4 - Pawl, Lever, and Spring Combination