## OLD STILL PRINT HEAD

Print Hammer Adjustment Manual
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## Print Hammer Adjustments

Turn printer on letting print head move to left margin and index. With printer on manually move print hammer forward, it should be centered to the period.

Example 1  $-\bar{n}$   $-\bar{n}$   $-\bar{n}$  correct incorrect

Adjustments: If hammer favors either side take the T handled tool and form bracket to the correct side. If hammer bracket is severely tipped in one direction in an attempt to center hammer, refer to technician or supervisor for possible motor alignment problems. See example 2.

Example 2 of incorrect

Improper centering can cause Scrambling of characters and light density on sides of character.

Hammer Adjustment For Density Top and Bottom

Looking at a side view of hammer to print wheel contact, even a) density should look like this:



Light Density on top would look like this: b)



Weigna Trans.co Adjustment as follows: With unit off place tool under housing and move lightly forward. \*Print 6 lines to insure adjustment has held. Secure to bracket with Loctite 495 sparingly.

Light density on bottom would look like



With unit off place tool under housing and \*Print 6 lines to insure adjustment has held. Adjustment as follows: move lightly to rear. Secure to bracket with Loctite 455, sparingly.

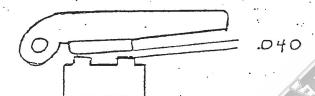
\*Always recheck centering when making any adjustments.



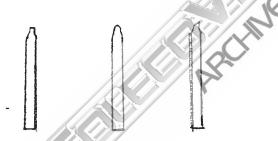
Print Quality Conditions, Causes and Repair Techniques

1) a. Overall Light Print: Solenoid gap below .040 or above .050 -- remove cassette tray, loosen both nuts on solenoid. Put a .040 gauge between armature and rear stop. Push firmly against solenoid, tighten nuts. Check gap between solenoid and armature with same gauge. The .040 gauge should enter at front with minimum play. (see example #3) Make sure armature is free of binds. If bind occurs form armature up or down.

Example #3



b. Binding or Bad Hammer: Manually move hammer checking for binds, if unsure remove hammer by pushing down on armature and pulling hammer and spring out. Re-insert hammer minus spring and re-check for binds. If all adjustments on page 1 and 2 are correct check the hammer face for the following conditions: \*



correct

incorrect

Replace either condition with new correct hammer

c. Hammer Housing to Far Forward: If a gap exists between rear of hammer and armature housing is to far forward. (See example #4) Loosen both screws, move housing all the way to rear and re-tighten screws.

Example #4



correct

incorrect

- d. Omits:+, -. and 3,7,I: Solenoid gap exceeding .040 or housing to far forward. Refer to adjustments Page 3; 1) a. and Page 4; c.
- e. Missing or Partial Characters: Flat spot in platen. Attempt to do adjustments page 2; a,b,c where sample cuts off top or bottom. Check for bracket to be bent in or out, this causes print hammer angle to vary
- f. Leaning Characters: Solenoid bracket tipped to one side or another (see example 2 page 1). Check hammer for centering refer to page 1, example 1. Possible motor alignment problems.
- wires between base and top shell not seated, check for any platen, rotate thumb wheel and watch for lead movement. If head moves lift up head, remove wheel and cassette, push in on metal clips on shield.

Bad Print Wheel: install new wheel, indicate bad wheel with a sticker.

Bowed or Bent Rails: take head and install on new printer.

If condition does not exist on new printer, contact your techniquan or supervisor.

Base Shell Warped: remove base shell, check warping.

Pading Characters: bad ribbon, change ribbon. If condition improves put sticker on bad ribbon.

Ribbon Advance: watch white button on cassette top for steady movement. If a jerking or stopping condition occurs check the following: rotate feed gear on left side with finger and re-test; also check to make sure cassette is seated in tray properly. If this fails to correct condition contact technician.

h. Column Alignment: paper shield rubbing on platen refer to  $\overline{G}$  procedure.

Rails Not Lubed: spray silicone on rails remove excess.

String Not Tight: lift top shell tighten both screws or cord connector.

Gear Train: contact technician

- i. Underline Omit: folded ribbon, remove cassette look for fold at bottom, unfold ribbon and advance several inches. Check for loose screws in cassette tray. Check for wires under tray.
- j. Spacing of Characters: paper shield rubbing on platen (refer to page 4,g)

Rails Bent: (refer to page 4,9)

Base Shell Warped: (refer to page 4,g

k. Side Density Light: hammer not centered, hammer rounded, hammer not ground. Refer to page 1, example 1,; page 3,b.

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