

6040-43 DASHER TRANSDUCER ADJUSTMENTS

A. Tools Needed -

- | | |
|--------------------|--------------------|
| 1. Scope | 4. 7/64 Hex Driver |
| 2. 3/16 Open End | 5. 1/4 open end |
| 3. 1/10 Hex Driver | 6. 6 in Rule |

B. Initial Set Up -

1. Set Dasher to run at 300 baud
2. Remove W5, add W6 (right of U29)

C. Adjustments (check and adjust in this order) -

2

1. One/step transducer (rear side of carriage motor)

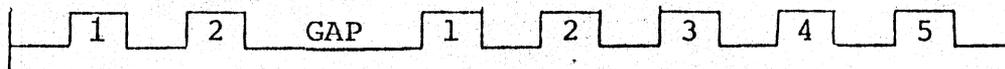
- a. Trigger POS CH2 on TP2 (right of U80)
CH1 TP5 (right of U50)
2 V/CM
0.5 MS/CM
- b. Hold down repeat key, then hit any character and the space bar and hold it down. Adjust the one/step (rear) transducer so that the rising edge of the pulse on CH1 occurs 2.0 MS after scope triggers.
- c. Tighten set screw and recheck adjustment.

2. Home Flag and Print Position Transducer Adjustments.

NOTE: Make this check before you move anything and screw it up!!!

Trigger POS CH2 on TP2 (right of U80)
CH1 TP3 (right of U115)
Trigger mode - Normal
5 MS/CM

Hit carriage return then space bar in that order.
You should see the trace shown below.



If you see the above trace, you're in luck only very minor adjustments may be necessary. Go to step ~~12~~ **2B2**.

If you don't see the above trace, you're in trouble, you must do a complete set up.
Go to step 2a.

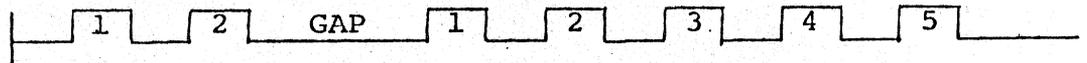
2a. Home Flag Position

1. Remove the brass jam nut from the home flag adjusting screw and back the screw out several turns.
NOTE: Power off unit and manually move print head to center of carriage.
2. Position the right end of the home flag approximately $3 \frac{1}{16}$ inches from the inside of the left end plate.
3. Loosely tighten the home flag nut and take up the slack in the adjusting screw.
4. Put the print position transducer in the center of its adjustments range.
5. Adjust home flag adjusting screw (CW) until the Print Position Transducer stops directly over a group of five slots after a carriage return.

2b. Print Position Transducer Adjustment

1. Set up scope:
Trigger POS CH2 on TP2 (right of U80)
CH1 TP3 (right of U115)
Trigger mode - normal
5 MS/CM

Hit carriage return and then space bar in that order and adjust the Print Position Transducer until the trace shown below is obtained.



2. Set up scope:
Trigger POS TP1 (right of U69)
CH1 TP2 (right of U80)
Trigger Mode - Normal
0.2 MS/CM

NOTE: Set screw CW delays pulse.

Do a carriage return from the center of the carriage and adjust the home flag (using the adjusting screw on the left baseplate) until the pulse occurs 1.5 MS after the scope triggers.

1.5 MS.

NOTE: Using repeat key and carriage return this pulse will occur at about 0.6 MS. Use this only for a ball park adjustment if necessary. The final adjustment must be done from center of carriage.

Replace the brass jam nut on the home flag adjusting screw.

3. Set up scope
 - Trigger POS TP4 (right of U23)
 - CH1 TP3 (right of U115)
 - Trigger Mode - Normal
 - / ~~0.15~~ MS/CM

Do a carriage return then space. The pulse should occur anywhere from 3.0 to 5.0 MS after scope triggers. Adjust the Print Position Transducer very slightly until this setting is obtained.

Recheck the adjustment in 1 above if it was necessary to move the Print Position Transducer.

** Restore W5 and W6 to their original configuration.

SURP"