

ADDENDUM FOR DIGITAL GROUP PRINTER DOCUMENTATION

Note: A majority of the problems we have found with printers that have been returned to us, could have been prevented by following the routine maintenance procedures in the P.A. manual. Use the printer manual for routine paper loading, inking, and lubrication maintenance. As with most mechanical devices a certain amount of regular maintenance is required or suggested. One particular example or recurring problem is for the print head carriage to become sticky and cause characters to bunch up at the left margin. Section 6.3 in the P.A. manual details lubricating the print head to eliminate this problem.

Changes to the Printer Interface Card:

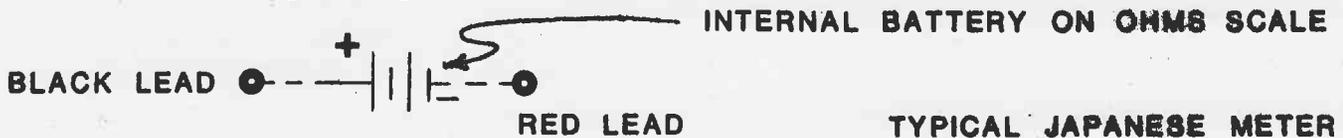
- 1) R23 has been changed from a 1K ohm, 1/4 watt resistor to a 4.7K ohm, 1/2 watt resistor.
- 2) R43 has been changed from a 1K ohm, 1/4 watt resistor-metal film to a 47K ohm, 1/4 watt resistor-metal film.
- 3) C7 is used as a factory installed component to provide a smoother operation of the print head. If you notice that the print head is jerky as it moves in either a forward or reverse direction, add C7. Also if the print head buzzes, add C7. C7 is required with some printers due to the variance in the inductance of individual print head and ribbon motors. The value of C7 supplied with your printer will vary between 6 and 10 mfd at 60 volts.

- 4) The following changes should be noted on the cabling diagram on Page 12.

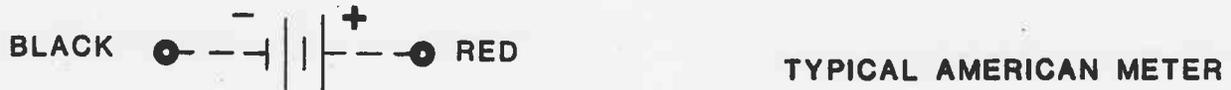
On J4 the following connections:

- a) change Pin 7-Head Motor Forward to Pin 7-Head Motor Reverse.
- b) change Pin 8-Head Motor Reverse to Pin 8-Head Motor Forward.

- 5) The resistance measurements on Page 15 were made with an ohmmeter with the polarity shown below.



Some D.V.M.'s have the following polarity:



An easy method of checking the polarity of your meter is to measure the voltage polarity with an oscilloscope.

- 6) The fuses on the printer power supply schematic are as follows:

For F1 - use a 2 amp Slo-Blo 3AG fuse.

For F2 - use a 2 amp Slo-Blo 3AG fuse.

DO NOT replace these fuses with any other type fuse or with a fuse with a different rating than those listed above.

- 7) Please note the following corrections on your printer interface schematic.

a) Change the Ribbon Advance, Pin 9 of J4 from its connection with Pin 7 to Pin 8.

b) Change Pin 3 of IC5- Lm 3302 to Pin 12. +5V is connected to Pin 12; Ground is connected to Pin 3.

- c) The pulse width output at Pin 10 of IC7-9602 changes to 1.5msec. after changing R43 from 1K to 47K.
- d) The line shown across C5 should be removed.
- e) The end of the capacitor C12 shown connected to Ground should be changed to indicate it being connected to +5V.