

EXPANDORAM II REWORK/ERRATA
MANUFACTURING LEVEL 10

6/5/80 800

REV A PC BOARD ONLY:

1. Cut the etch on the front side of the board from U22-6 to U21-3 just to the left of the plated thru hole above pins 1 and 2 of U21. NOTE: U21-3 should still be connected to U21-11.
2. Add a jumper from U22-5 to U21-3.

REV B PC BOARD ONLY:

1. Cut the etch on the back side of the board from U16-2 to U21-3 just below pin 2 of U16.
2. Add a jumper from U16-2 to U22-6.

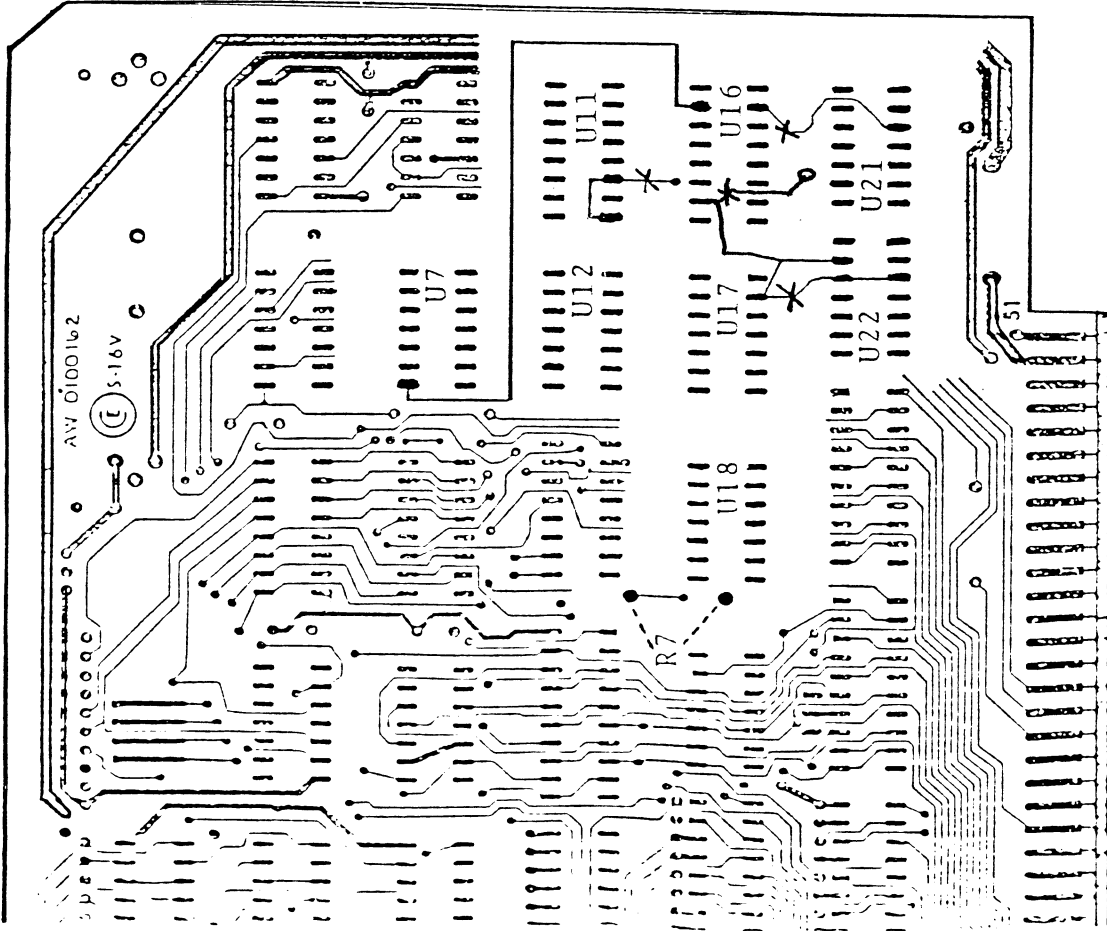
REV C PC BOARD ONLY:

- ✓ 1. Cut the etch on the back side of the board from U16-2 to U21-6 just below pin 2 of U16.
- ✓ 2. Add a jumper from U16-2 to U22-6. *+0 01*

REV A, B or C PC BOARD: (Refer to diagram)

- ✓ 1. Cut the etch from U11-14 to U16-7. ("X" on diagram)
- ✓ 2. Cut the etch from U16-10 to U21-10. ("X" on diagram)
- ✓ 3. Cut the etch from U17-9 to U22-5. ("X" on diagram)
- ✓ 4. Connect a jumper from U11-14 to U11-16. *+0 +5*
- ✓ 5. Connect a jumper from U7-1 to U16-7. *gated.*
- ✓ 6. Connect a jumper from U17-9 to U22-6. *+0 01*
- ✓ 7. Replace IC U6 with a 74S74 instead of 74LS74.
- ✓ 8. Replace R7 with a 20k OHM instead of 10K OHM resistor.

MODS TO BE MADE TO THE EXPANDORAM II



1. Examine diagram to left and locate the three traces marked with an 'X'. Double check to ensure that you have the correct traces and then cut them with a sharp knife. Make the cut deep and 'v' shaped to make sure that the connection is broken.
2. Locate U7; note the only connection and follow it to U16. Using an insulated wire, complete the connection as shown.
3. Locate U11; note the only connection is a jumper between two pins on U11. Using an insulated wire, complete the connection as shown.
4. Locate U17; note the new connection and follow it to U22. Using an insulated wire, complete the connection as shown.
5. Locate R7 to the left of U18; its solder points are indicated by dotted lines. Remove R7 and replace it with the 20K Ohm resistor provided.
6. Turn your PC board over and locate U6. With a small flat blade screw driver, gently and slowly pry U6 out of its socket. Note the way it is placed in the socket. Using the replacement IC provided, line up all pins with the socket. Be sure that the replacement IC is in the correct position and then push it into the socket firmly. Examine closely making sure no pins were bent.

LIMITED WARRANTY

All SD Systems products assembled by SD personnel and functionally tested at our facility are warranted for a period of ninety (90) days from date of purchase to be free from defects of material and workmanship. Kits or other products functionally unfinished or semi-finished at the time of shipment from our facility are warranted for the same period in regard to material defects only, with no warranty, expressed or implied, covering workmanship of others. Should an SD Systems product fail to perform to specifications, obtain a Returned Material Authorization number from your dealer or from SD Systems. Include this number in all correspondence and with the returned product. Ship the item prepaid to SD Systems and it will, at our option, be repaired or replaced free of charge, provided the unit is received during the warranty period. Testing or repair work performed upon returned kits or other products assembled wholly or partially by others will be subject to a \$35.00 minimum service charge unless such products are found to be non-functional due to defects in material purchased from SD Systems.

In order to validate this warranty, the enclosed warranty card must be returned to SD Systems. If no warranty card is on file at the time of product return, dated proof of purchase will be required.

This warranty is invalid if product has been misused or modified. Warranty is limited to replacement of defective parts and no responsibility is assumed for damage to other equipment.

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, REPRESENTATIONS, OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY REGARDING FITNESS FOR A PARTICULAR PURPOSE, NOT SPECIFIED IN THE WARRANTY.