



HINES INDUSTRIES, INC.

240 METTY DRIVE ■ ANN ARBOR, MICHIGAN 48103-9498 ■ PHONE: (734) 769-2300 ■ FAX: (734) 996-9192

RAM Chip Reset

Introduction

The RAM chip stores information for the computer. If the chip is malfunctioning, the computer screen may display random characters or may not function properly. Sometimes, simply resetting the RAM will solve the problem.

Tools and Materials

Medium screwdriver

Procedure

WARNING: The following procedure will erase all of the parameters stored in memory. If the computer keypad is still working, perform the 99 MODE CHECK procedure in this guide. Record all of the 99 mode values so that they can be restored when this procedure is complete.

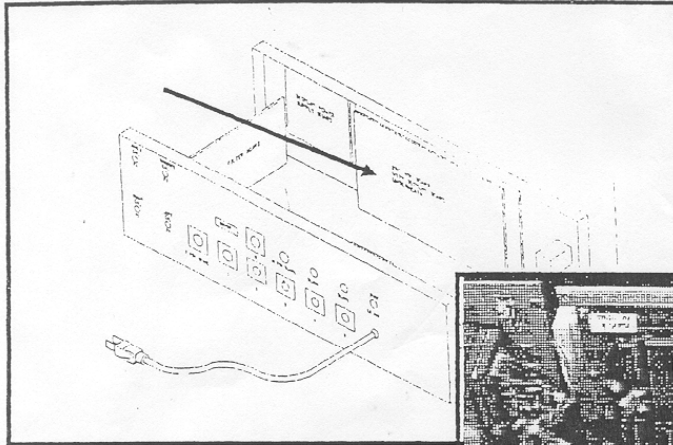
1. Turn the computer OFF.
2. Remove the computer enclosure cover.
3. Note the orientation (position of notch) of the RAM chip and socket on the board. Using the blade of the screwdriver, gently pry the RAM chip and batter socket from the SBC board.
4. Note the orientation of the RAM chip in the batter socket; gently separate the RAM chip from its batter socket using the blade of the screwdriver.
5. Matching the original orientation, plug the RAM chip back into its batter socket.
6. Matching the original orientation of the RAM chip and socket, plug them back into the circuit board.
7. Turn the computer ON.
8. Perform 99 MODE ADJUSTMENTS procedure in this guide.
9. Go to setup mode and enter the parameters that may have been erased during this procedure.

DONE

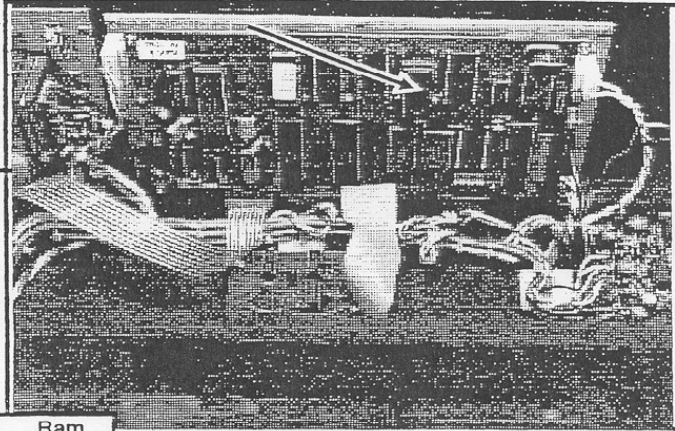


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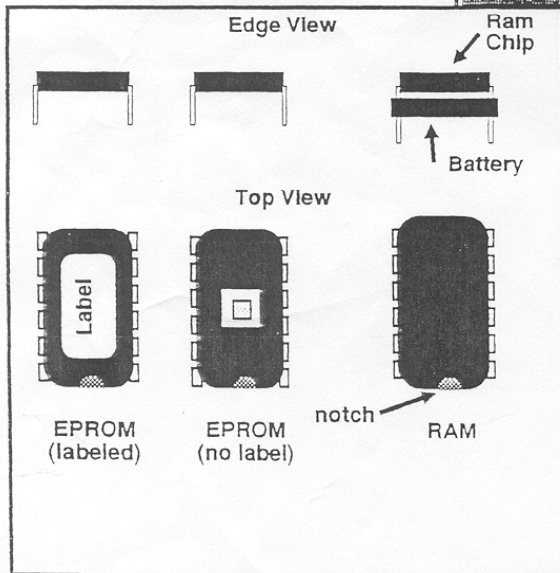
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Internal View of Computer
Showing Typical
Location of SBC-40 Board



Photograph of SBC-40 Board Showing
Typical Location of RAM Chip



Distinguishing EPROM and RAM Chips.
Note that the RAM chip has an additional
component (battery socket).