

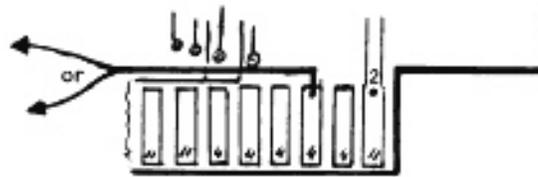
These changes are recommended for ALL HORIZON RAMdisks and are compatible for use with the TI99/4a or Geneve.

1. RESET on power-up

This change allows the computer to reset the HORIZON during the CPU power up cycle. The reset feature, as TI designed it, does provide a reliable method to hold the HORIZON in the shut-off state until the PE-Box voltage has been on long enough to stabilize. The modification consists of the removal of one diode, one resistor and one capacitor. These parts are replaced by one wire from pin 6 of the card-edge connector (bottom edge of ramdisk card) to the positive side of the capacitor location.

HORIZON_serial numbers below 100:
Remove C8, CR2 and R2. Connect wire to front (or left) hole of C8 location.

HORIZON serial numbers above 100:
Remove C1, CR3 and R5. Connect wire to + (positive) side of C1 location.



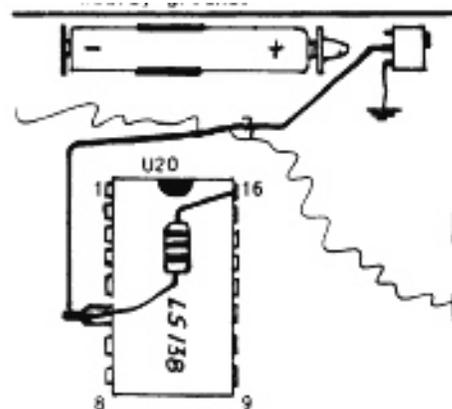
Connect other end of wire to pin 6 of card-edge, i.e., the 3rd lead from the right on the COMPONENT side of the PC board.

2. DISABLE SWITCH

This modification provides a method to turn off (or hide) the HORIZON from the rest of the system. This switch allows you to turn off the ramdisk in the event of a system crash when the computer locks up. With the card turned off, you can power up the console and PE-Box, turn the card back on and proceed to re-load the operating system. No need to remove the batteries to erase the contents and in most cases the files may be recoverable. Other reasons for "hiding" the card could be a conflict between the ramdisk and a program you want to run or you may wish to keep the kids out of it.

The mod is simple: We remove the voltage from pin 6 of U20 (serial 1999 and below) or U20A (HRD+ ,2000 and up) and reconnect it via a resistor (1k-10K will do) thru a SPST switch to ground. Closing the switch pulls the pin low and shuts off CRU access at U20

Bend pin 6 of the chip out, attach enough wire to reach the switch and connect the resistor from this pin to 16 of the same chip. Run the other end of the wire to the switch.



NOTE: The HRD+ circuit board on cards with a serial number below 1999 required stacking of U20. Attach the wire and resistor to the top chip's pin 6 and cut off the bottom end.