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Subject: Need help with Trs-80 Model 4 hardware repair

Posted by [greggt](#) on Tue, 04 Jun 2013 04:04:31 GMT

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[posted for my brother]

The following is a description of the problem:

In the process of upgrading my 16k Model 4 to 64k with disk drives and RS-232, I damaged the computer, blowing the fuse resistor on the power supply. As it is now, the computer will not boot-up with the RS-232 installed. However, if the RS-232 and disk drives are installed in the my Model 3 (from where I removed them in the first place) the Model 3, RS-232, and disk drives function properly. Even with the RS-232 disconnected from the Model 4, under Newdos/80 the drives labor 3 to 4 times longer to format a disk (which is too short to run to the bathroom and too long to sit and watch). Formatting seems to work normally under Trs-Dos 1.3 (in Model 3 mode) or Trs-Dos 6.2 (in Model 4 mode).

Once in Newdos/80 Basic I have connected the RS-232 to the Model 4 and the computer works fine until it accesses the disk drives. Once in Trs-Dos 6.2 I have connected the RS-232 and the computer would work fine even when accessing the disk drives. The mistake seems to have originated from the connecting the ribbon cable from the RS-232 to the Model 4 off-centered.

If any information can be provided to help me with this problem please reply by net-mail. I do have a service manual for the Model 4.

ADVthanksANCE,  
My brother Gary.