
ADDENDUM

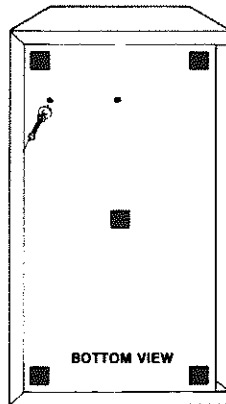
Disk Memory System and Disk Memory Drive Manuals

Connecting the Controller Card to an Internal Disk Drive

The installation directions given on pages 9 and 10 of the *TI Disk Memory System* manual and on pages 5 and 6 of the *TI Disk Memory Drive* manual are incorrect. To install an internal drive and connect it to the Controller Card, please follow the procedure listed here.

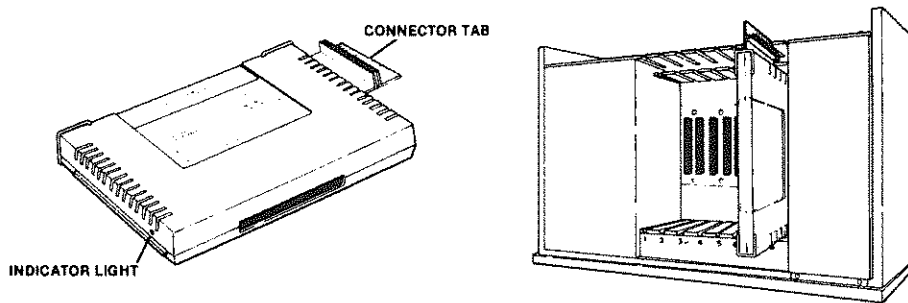
1. Turn off the computer console and all attached devices.
2. **WARNING: TO AVOID DAMAGING ACCESSORY CARDS, WAIT TWO (2) MINUTES AFTER TURNING OFF THE UNIT FOR THE POWER TO DISCHARGE BEFORE PROCEEDING.**
3. Remove the top from the peripheral system by depressing the latches on the back edge of the top and pulling up.
4. Two Phillips-head screws attach the front casing of the disk drive compartment. One is located on the top of the peripheral system, and the other is on the bottom of the unit. Remove the top screw.
5. Carefully place the Peripheral Expansion System on its left side so that the disk drive compartment is at the top. Remove the screw on the bottom of the peripheral system. Note that the screws are different lengths. The top screw is the shorter of the two; the bottom screw, the longer.

Note: Save the screws to secure the internal disk drive in place after it is installed in the Peripheral Expansion System.

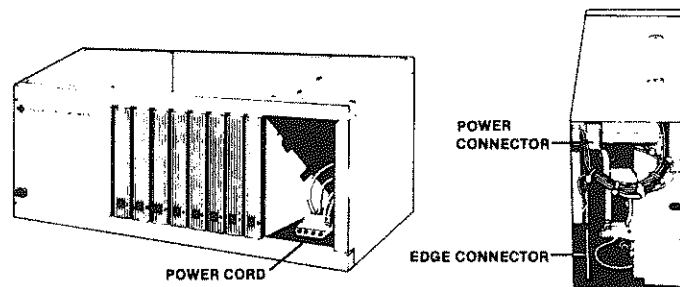


6. Place the peripheral system in its proper upright position, and remove the front casing from the opening of the disk drive compartment. (Save the front casing in case you want to remove the internal disk drive from the Peripheral Expansion System later.)
7. Two flexible cables are packed with the Controller Card: one is for connecting an internal disk drive, and the other is for connecting external drives. Locate the cable which has different types of connectors at its ends; this is the cable used to connect the Controller Card to the internal drive. (Save the cable with identical end connectors for connecting external drives.)
Examine the connector tab on the side of the Controller Card and the 34-pin connector on the internal disk drive connector cable. Note the proper orientation of the two; you will have to connect them through a slot at the back of the drive compartment after the Controller Card is in place. The tab and the 34-pin connector are keyed so that they can only be connected in one way.
8. Next, note that the label identifying the Disk Drive Controller Card is on the top of the card. On the front of the card is an indicator light. The light can be seen from the front of the peripheral system unit when the card is active.

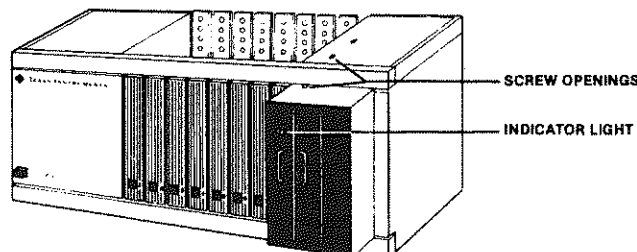
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9. Hold the Disk Drive Controller Card so that the indicator light faces the front of the peripheral system and the connector tab faces the back of the unit. Carefully align the card with slot number 8 and press down firmly until the card is fully seated in place. (The card can be placed in any slot, but the cable then interferes with other slots.)
10. Attach the 34-pin connector of the disk drive cable to the 34-pin connector on the side of the tab on the Controller Card. You will have to reach through the disk drive compartment to do this. (If you look down into the Peripheral Expansion System from the top, you can see the connector as you make the connection.)
11. Two screws hold the cover of the disk drive in place. Remove these screws, using a Phillips-head screwdriver, and save the screws for installing the disk drive. Do not remove the disk drive cover.
12. A four-wire power cord is inside the compartment. One end of this cord is connected to the peripheral system. Plug the loose end of the cord into the four-pin connector on the back of the disk drive. This connector is also keyed to fit only one way. When connecting the 4-pin power cable to the internal drive, an audible click indicates that the cable connector is fully seated onto its tab.



13. Attach the edge connector of the disk drive cable to the 34-pin connector tab on the back of the disk drive.
14. Slide the disk drive into the compartment so that the red indicator light is in the top left-hand corner. *Note:* Align the screw openings on the top and bottom of the peripheral system with the holes in the disk drive. If they do not line up, the drive may be in upside down.



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15. Again, carefully place the peripheral system on its left side. Using the screws removed from the front casing and the disk drive cover, insert the two long screws into the openings on the bottom of the peripheral system. After they are secure, place the peripheral system in its proper upright position, and insert the two short screws in the openings on the top of the system.
16. Replace the top on the peripheral system by sliding the front edge under the extension on the front of the unit. Firmly press down on the back edge of the top. Do not run the system without the top in place; the top ensures proper ventilation. *Note:* If the top does not fit properly, remove the card and realign it in the slot, remembering to press down firmly until the connection is made.

IMPORTANT NOTE: If either the Peripheral Expansion System or the internal disk drive requires repair service, REMOVE THE INTERNAL DRIVE FROM THE PERIPHERAL EXPANSION SYSTEM FOR SEPARATE PACKING AND SHIPPING. Shipping the disk drive inside the Peripheral Expansion System can damage the drive.

Initializing Diskettes

During diskette initialization, the Disk Manager cartridge asks for certain information that identifies the types of disk controller, disk drives, and diskettes you are using. These prompts are TRACKS PER SIDE?, SINGLE SIDED (Y/N)?, and SINGLE DENSITY (Y/N)?.

The TI Disk Drive Controller Card, Model Number PHP 1240, supports up to 40 tracks of single density data per diskette side. The type of disk drive and diskettes you are using determines whether or not you can write to and read from both sides of the diskette.

When you respond to the prompt TRACKS PER SIDE?, enter **40** in most cases. Most disk drives support 40 tracks per diskette side. However, some older drives may support only 35 tracks per side. If yours is one of these, enter **35** in response to this prompt.

In answer to the prompt SINGLE SIDED (Y/N)?, enter **Y** if you are using a single sided disk drive. If both your diskette and drive are double-sided, enter **N**. (For more information about diskette types, see page 5 of the *TI Disk Memory System* manual and your disk drive manual.)

In response to the prompt SINGLE DENSITY (Y/N)?, enter **Y** since the TI Disk Drive Controller Card supports only single-density data. Although double-density diskettes and disk drives may be used with the controller, data is recorded in single-density format.

Diskette initialization is described on pages 17 and 24-26 of the *Disk Memory System* manual.

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IN CASE OF DIFFICULTY

If the Disk Memory System was incorrectly installed in the Peripheral Expansion System, typically two Error Codes will be generated when attempting to use the Disk Manager cartridge. Read the explanation of the error code and follow the instructions given below to correct the problem.

1. Disk Error 0—This error code indicates that the computer is unable to locate the Disk Controller Card in the system. Make sure that the card is fully seated in its slot. See Step 9 of the previous instructions.
2. Disk Error 16—This error code indicates one of several problems.

Possible Problems **Corrective Procedures**

If you are using an internal disk drive only, one of the following situations may exist.

Internal disk drive cable disconnected	Check to make sure that the internal disk drive cable connectors are correctly keyed to the connectors on the controller card and the internal disk drive. Make sure that both connectors are pressed fully onto their tabs.
No power to disk drive	This problem is indicated if the motor in the disk drive does not turn when the computer console is switched on or if the red light on the front of the drive does not come on when performing a disk function with the Disk Manager. When connecting the 4-pin power cable in the expansion system to the internal drive, an audible click indicates that the cable connector is fully seated onto its tab. See Step 12 of the previous instructions.
Diskette placed in drive incorrectly	Hold the diskette by the corner nearest the write-protect notch and insert the diskette into the disk drive with the write-protect notch on the top edge of the diskette.

If using both an internal disk drive and one or more external disk drives, the following situation may exist.

Additional drives not turned on or improperly connected	Make sure that all additional disk drives are turned on. Check to see that the external disk drive cable supplied with the Disk Controller Card is used to connect the first external disk drive to the controller card; otherwise, the controller card will identify both the internal drive and the first external drive as disk drive number one, and the drives will not function properly.
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For further information concerning error codes, see pages 42 and 43 of the Disk Memory System manual.

Note: If you already owned an external disk drive before you purchased your Peripheral Expansion System and its internal disk drive, it is necessary to install a special resistor pack in the internal disk drive before using the drives together. To obtain your resistor pack and instructions for its installation, call our Consumer Relations Department at (800) 858-4565 (toll free within the contiguous United States).

As an alternative, you can write to:

Consumer Relations Department
Texas Instruments Incorporated
P.O. Box 53
Lubbock, Texas 79408
