

In addition to this installation manual, the 40 MB Hard Disk kit includes:

- * The Hard Disk Drive
- * One 20-pin hard disk Data Cable.
- * One power supply Extension Cable.
- * Four rubber grommets and four shoulder screws for installing the Hard Disk Drive in the middle drive slot of a Tandy 3000, 3000 HD, or 4000. (These are not required for a Tandy 3000 HL installation.)
- * A Media Error Map (attached to the top of the Hard Disk Drive).

CAUTION: Static electricity can destroy integrated circuits. Be sure to discharge any built-up static electricity by touching a grounded, metal object before handling the Hard Disk Drive or touching any of the computer's logic boards.

If you have any doubts about your ability to install this drive, have the service technicians at your Radio Shack Service Center install it for you. Doing so not only ensures expert installation, but also enables the technicians to quickly check to be sure all the equipment is functioning properly.

Use the following procedures to install the 40 MB Hard Disk Drive in your computer. Before you begin the installation, note the Media Error Map that is attached to the top of the Disk Drive. Record the information that is on that map in the back of your computer's Installation and Operation Manual.

REMOVING THE COVER

If you have not already done so, remove the system unit cover for access to the computer's internal components. Follow these steps to remove the cover:

1. Be sure your computer and all peripherals are turned off. Disconnect the power cord from the back of the computer.
2. Remove the three large cover mounting screws from the computer's back panel. Remove the cover by sliding the entire housing toward the front of the computer.

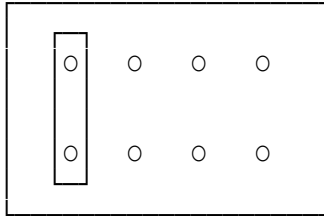
The cover removal procedure is illustrated in the Installation and Operation Manual supplied with your computer.

NOTE: If your computer has a fan in the front of the unit, you might find it easier to remove and replace the cover if you first remove the fan filter. Unfasten the Velcro tab that secures the filter to the bottom of the unit housing, and pull the filter straight down to remove it. be sure to replace the fan filter after you complete the installation.

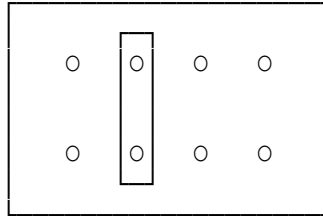
PREPARING THE HARD DISK DRIVE

To prepare the Hard Disk Drive for installation, set the correct Drive Select and Drive Termination status. The proper Drive Select and Drive Termination settings for the 40 MB Hard Disk Drive depend on whether the drive includes Drive Select Pins and a Terminator Resistor. The settings are shown as follows:

Primary Hard Disk Drive



Secondary Hard Disk Drive



For a Tandy 3000 HL installation, you are now ready to install the Hard Disk Drive. Skip the next two sections of this manual and proceed with "Installing the Hard Disk Drive."

If you are installing the Hard Disk Drive in a Tandy 3000, Tandy 3000 HD, or a Tandy 4000, refer to the next section, "Removing the Drive Tower."

REMOVING THE DRIVE TOWER

For easy drive installation in a Tandy 3000, Tandy 3000 HD, or Tandy 4000, you can remove the chassis that houses the disk drives (the drive tower).

1. Before you remove the drive tower, note the location of and disconnect any cables attached to the internal drives.
2. Remove the four screws that secure the tower to the bottom and the three screws that secure the tower to the front of the computer chassis.

NOTE: It is not necessary to remove the drive tower for a Tandy 3000 HL installation.

3. Carefully lift the drive tower up and out of the system unit.

For a Tandy 3000 HD, you are now ready to install the Hard Disk Drive.

If you are installing the Hard Disk Drive in a floppy-only Tandy 3000 or Tandy 4000, refer to the next section, "Removing the Load Resistor."

REMOVING THE LOAD RESISTOR

If your computer is a floppy-only Tandy 3000 or Tandy 4000 and a Load Resistor is attached to the side of the bottom drive slot, follow these instructions.

1. Pull apart the white cable connector to disconnect the Load Resistor from its cable.
2. Remove the screw that secures the Load Resistor to the side of the drive tower.
3. Remove the Load Resistor and store it in a safe place. If you later remove the hard disk(s) from your computer for a floppy-only system, you must install the Load Resistor.

INSTALLING THE HARD DISK DRIVE

The procedure for installing the Hard Disk Drive varies for a Tandy 3000/4000 primary and secondary hard drive installation as well as for a Tandy 3000 HL installation. Following are the instructions for each of these procedures. Use the appropriate procedure to install the Hard Drive in your computer.

TANDY 3000/4000 (PRIMARY DRIVE)

1. If you are installing the Hard Disk Drive as a primary drive in a Tandy 3000 or 4000, attach the four Shock Isolators that come with the Hard Disk Controller board to the top or front set of mounting holes on the side of the Hard Disk Drive.
2. Plug the extension cable into the power connector on the drive.
3. Now, slide the Hard Disk Drive into the bottom slot of the computer drive tower. Do not let the drives slide against one another as you install the Hard Disk Drive.
4. Use the four machine screws provided with the Hard Disk Controller kit to secure the Hard Disk Drive to the drive tower.

If you are adding another disk drive, you should install it at this time. Refer to the installation instructions that come with the drive to install a secondary hard disk or floppy disk drive.

You are now ready to install the Hard Disk Controller board and complete all connections. See the instructions that come with your controller board.

TANDY 3000/3000 HD/4000 (SECONDARY DRIVE)

1. If you are installing the Hard Disk Drive as a secondary drive in a Tandy 3000, Tandy 3000 HD, or Tandy 4000, first put the Extension Cable into the power connector on the drive.
2. Install the four grommets that come with the Hard Disk Drive kit in the mounting holes in the middle drive slot of the computer's drive tower.
3. Now slide the Hard Disk Drive into the middle slot of the computer's drive tower. Do not let the drives slide against one another as you install the Hard Disk Drive.
4. Use the four shoulder screws provided with this kit secure the Hard Disk Drive to the drive tower.

You are now ready to install the Hard Disk Controller board and complete all connections. Refer to the instructions that come with your controller board.

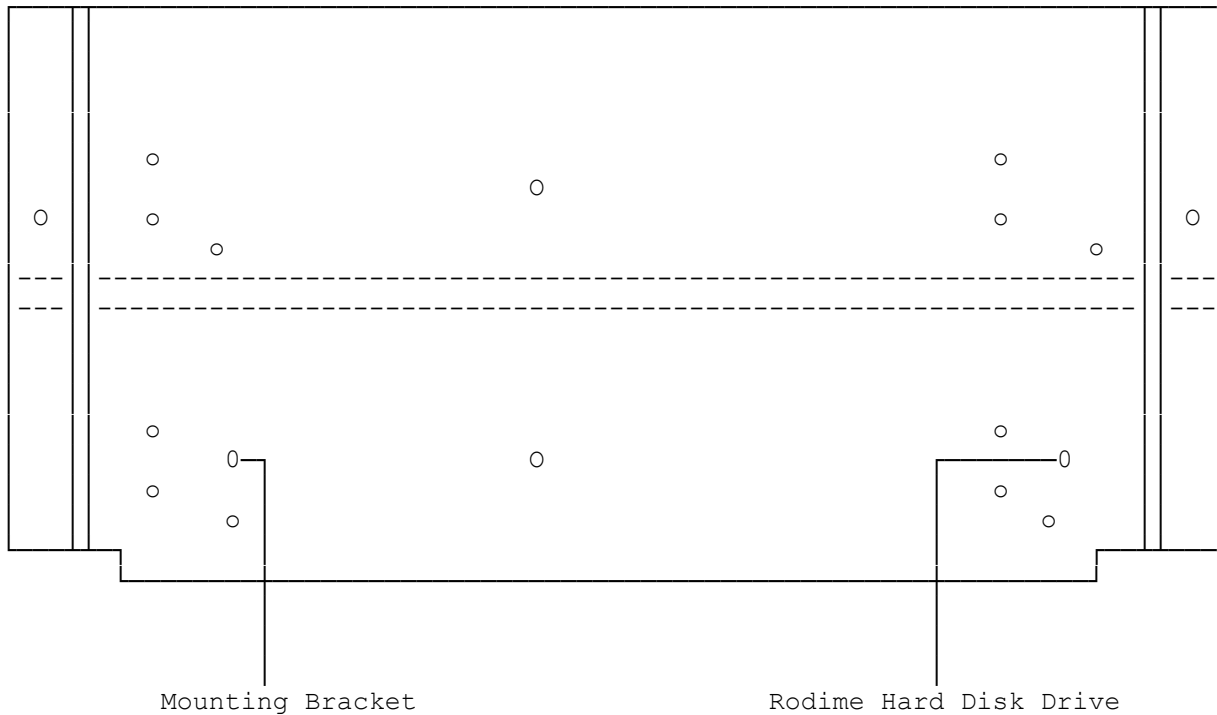
TANDY 3000 HL

IMPORTANT NOTES: This drive must be located in the BOTTOM slot of your computer. If you have another drive installed in the bottom slot, relocate it to the middle slot. You can not install two Rodime drives of this type in a Tandy 3000 HL.

We recommend that you move the bezel (plastic face plate) from the drive before installation, disconnecting the wire that leads to the drive activity light.

For a Tandy 3000 HL installation, disregard the instructions in the Universal Mounting Kit manual (provided with the computer).

1. Attach the Shock Isolators provided with the Universal Mounting kit to the front holes of the drive.
2. Attach the Mounting Brackets using the mounting holes as illustrated in the following:



3. Now, slide the bracket/disk drive assembly into the computer's drive tower. Use the four screws provided with this Hard Disk drive tower. Use the four screws provided with this Hard Disk Drive kit to secure the bracket and disk drive(s) to the drive tower.

You are now ready to install the Hard Disk Controller board and complete all connections. Refer to your hard disk controller board documentation for instructions.

(css 07/29/93)