

2nd diskette drive

3½" 720K

Internal Disk Drive

Owner's Manual

TANDY®

USA ONE-YEAR LIMITED WARRANTY

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This add-on drive is primarily designed for the Tandy 1000 TL and Tandy 1000 HX (Cat. No. 25-1053A) computers, or any others that are designed for a 1" high add-on drive. For information on installing in a Tandy 1000 TL, turn to page 11.

Adding an additional disk drive to your computer can greatly simplify disk related operations. DOS commands such as COPY and DISKCOPY are simplified by the additional drive. Moreover, the increase in capacity improves interaction with your computer by increasing the number of files that can be made available to the system. Some application programs are greatly enhanced by the additional storage afforded by a second disk drive. One drive can be dedicated to a system (or DOS) diskette, while the other can be dedicated to an application program. Or use one drive for the application and the second for data only.

Notes:

1. On the right side of the drive cabinet, toward the rear, there is a four-position switch. This is the drive select switch. As supplied, it is set for drive B. If you are installing this drive to be used for other than B, set the switch accordingly. The rear-most setting is A and the front-most setting is D.

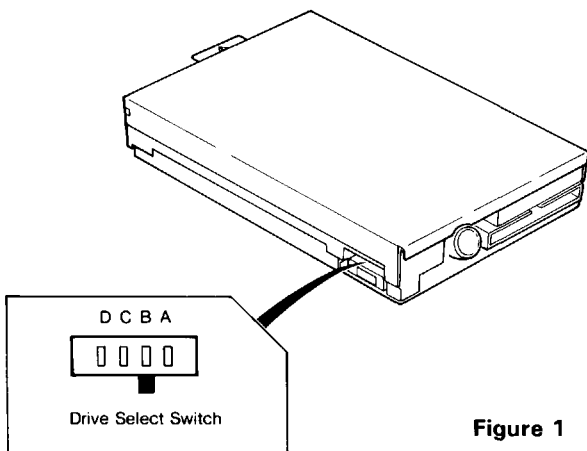


Figure 1

2. Four screws are provided with this add-on disk drive. This may mean for your particular application that you have one screw left over. That's OK. Also note that two eject buttons are supplied. The one you use will depend on the computer involved.

Removing the Option Cover and Option Boards in the 1000 HX

Turn the power switch off and unplug the power cord. Remove the option cover of the 1000 HX by pushing down on the top of the option cover and sliding it back and off of the unit.

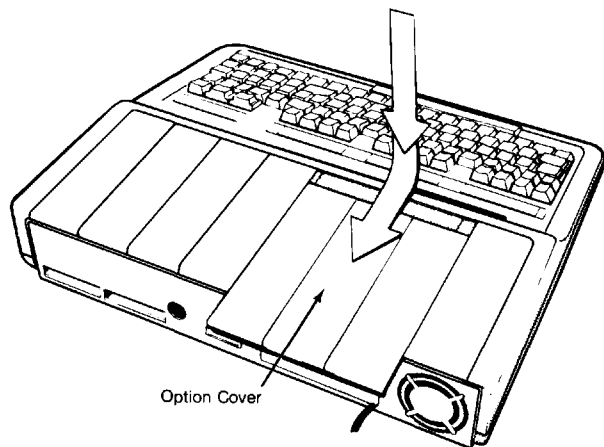


Figure 2

Unplug any cables connected to the option board(s). Remove the screws holding the option board(s) in place. Remove any option boards in the unit by unplugging them from the main board at the bottom of the unit.

Removing the Top Cover of the 1000 HX

Locate and remove the two screws securing the top cover in the option bay of the 1000 HX.

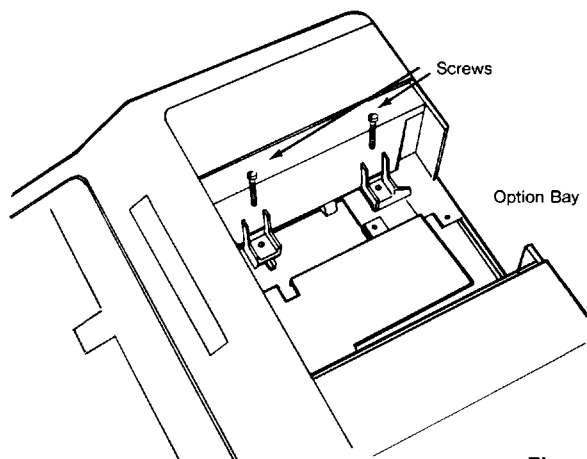


Figure 3

Place the computer upside down on a soft surface to avoid scratching the case. Remove the nine screws from the bottom of the unit that secure the top cover to the unit.

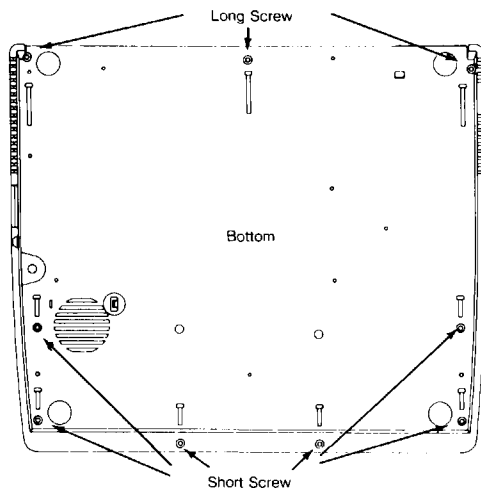


Figure 4

Note: Be sure to take note of the screw labels embossed into the bottom of the computer.

Hold the case top and bottom together and turn the unit upright. Remove top cover from the unit.

Removing the Disk Drive Mounting Assembly

Locate and remove the two screws at the back of the disk drive mounting assembly.

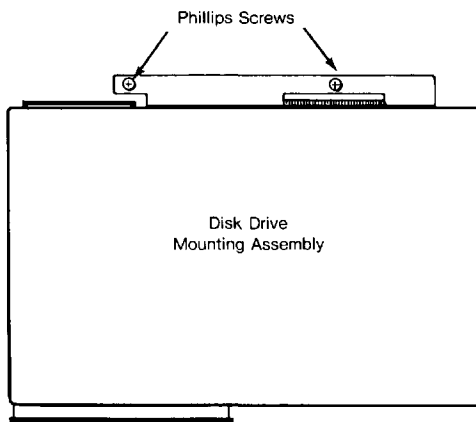


Figure 5

Lift up the back of the disk drive mounting assembly and disconnect the interface cable from the main logic board.

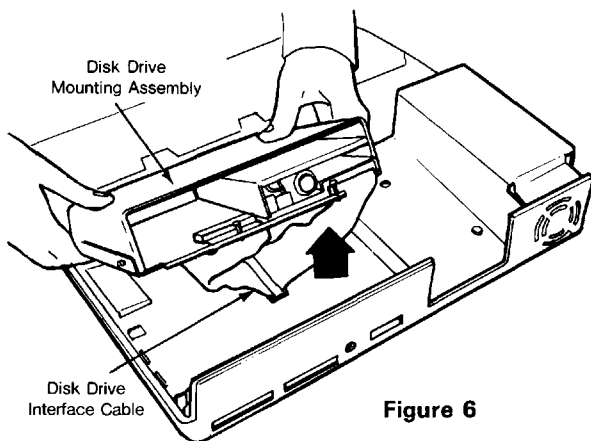


Figure 6

Remove the disk drive assembly from the unit by lifting up the back and allowing the lip in the front of the assembly to exit the slot in which it is installed.

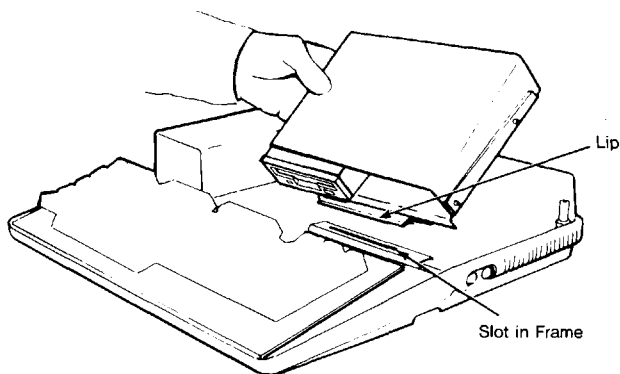


Figure 7

Installing the Second 3½" Disk Drive

Remove the two screws from the right side of the disk drive mounting assembly (look at Figure 11 for a reference). If present, remove the tape holding the interface cable to the disk drive mounting assembly.

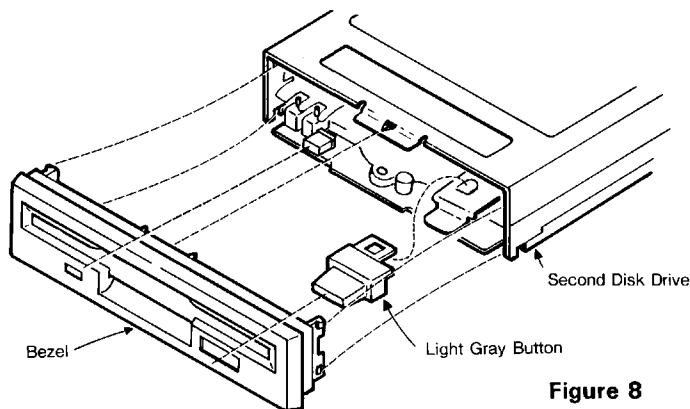


Figure 8

Install the light gray button on the front of the drive as shown. Then install the bezel on the front of the drive; position the end next to the button in place and then press the other end into place (it will snap into place).

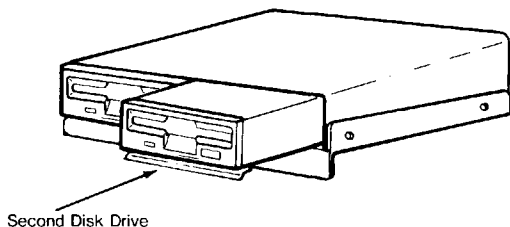


Figure 9

Insert the second disk drive into the space beside the existing drive in the disk drive mounting assembly.

Attach the disk drive interface cable connector to the back of the new disk drive.

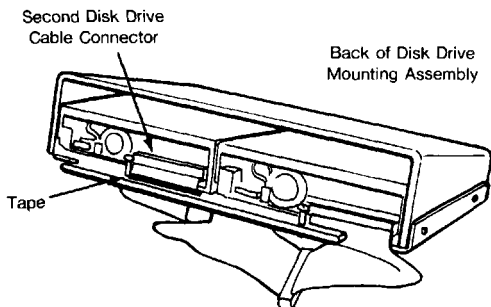


Figure 10

Secure the disk drive to the disk drive mounting assembly with one screw through the bottom as shown. Secure the side of the disk drive mounting assembly with the two screws provided as shown. (Be sure to use the short screws provided, not the ones previously removed.)

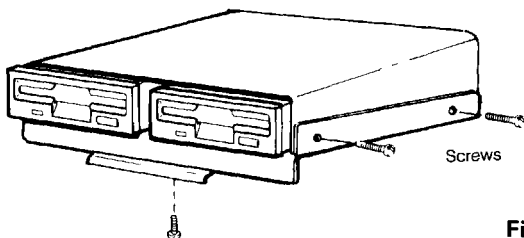


Figure 11

Re-installing the Disk Drive Mounting Assembly in the System Unit

Slip the lip at the front end of the disk drive mounting assembly into the slot in the bottom of the unit.

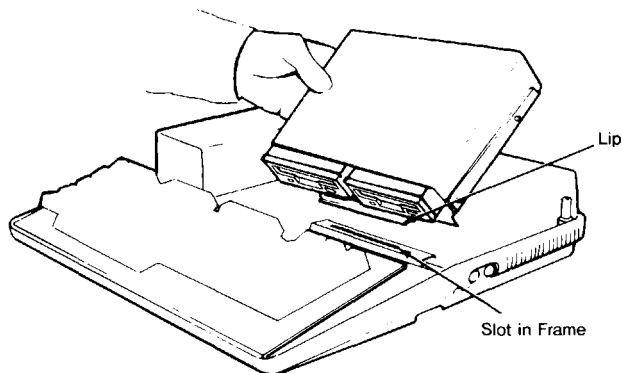


Figure 12

Plug the disk drive interface cable into the main logic board. Be sure that the cable is oriented properly and that the pins line up before applying pressure to the connector.

Let the disk drive mounting assembly rotate back into position being sure that the screws line up with the holes in the bottom of the unit.

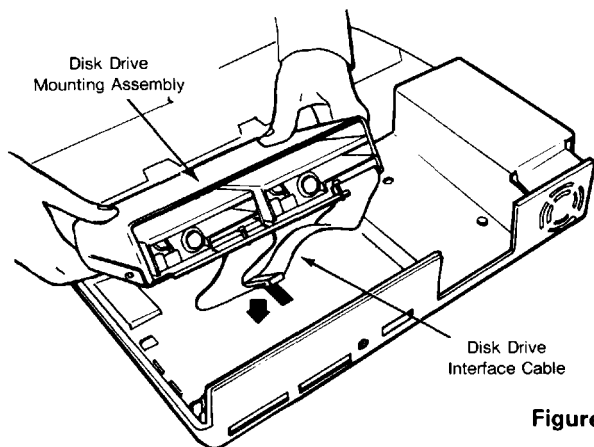


Figure 13

Replace and tighten the two screws previously removed.

Re-assembling the System Unit

Note: When re-assembling the case, be careful not to overtighten the screws.

Place the case top upside down. Remove the second disk drive slot cover by removing the screw holding it in place.

Replace the top cover being sure that it is oriented properly on to the bottom of the system unit.

Replace and secure the two screws in the option board area.

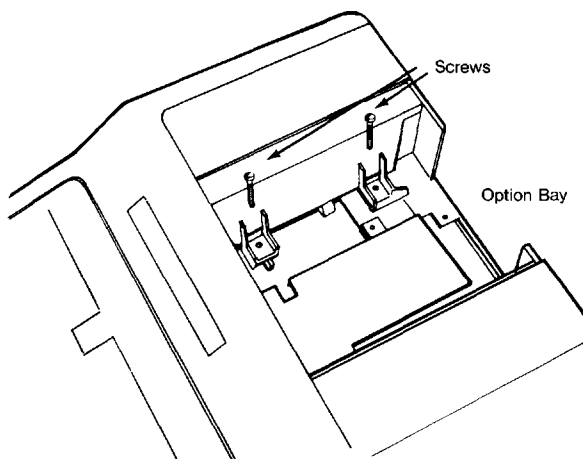


Figure 14

Holding the top and bottom case parts together turn the computer upside down and replace the nine screws. Pay particular attention to the screw legends near each hole. The legend indicates the length of the screw.

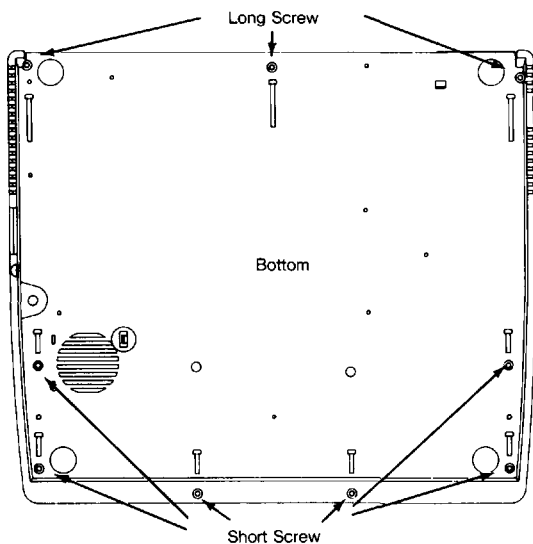


Figure 15

Replace any option boards that were removed from the system.
Replace the option board cover by sliding it forward until it snaps into place.

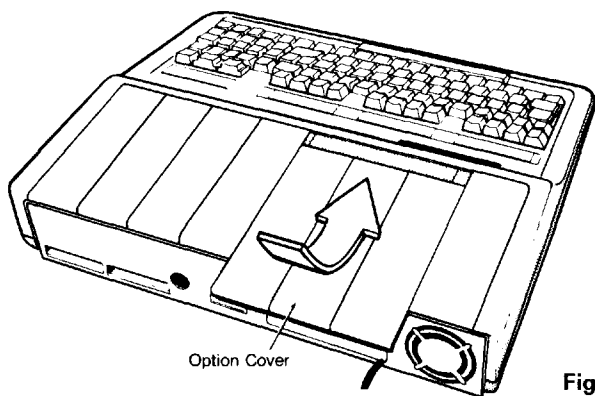


Figure 16

Installation in Other Tandy Computers

Installation in a 5¼" opening

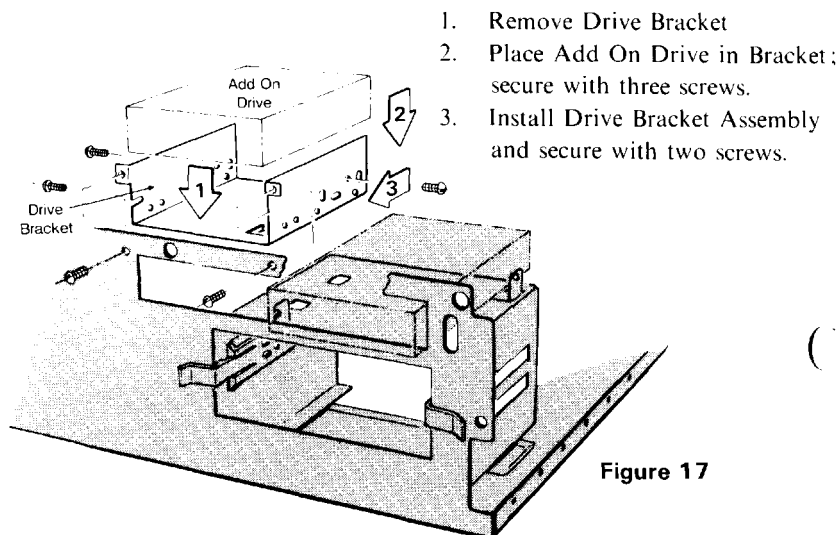
If you are installing this drive into a 5¼" drive space, you will need an adapter kit, Catalog Number 25-1076 (which comes with its own set of instructions).

Installing into a Tandy 1000 TL in a 3½" Opening

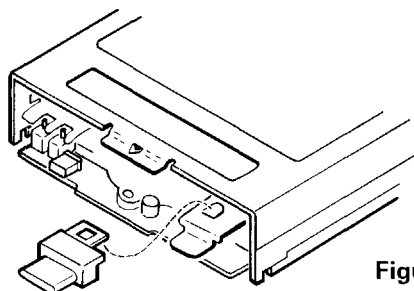
If you are installing this drive in a 3½" drive space, proceed as follows.

The typical sequence of installation will be as follows:

1. Remove the case/cover of the computer (follow instructions provided in the Owner's Manual).
2. Remove two screws holding the drive bracket. Remove the drive bracket.



3. Install the blue button on the front of the drive as shown.



On the computer's case, remove the existing front panel trim to expose the drive opening. (This item is a small plastic piece snapped into the front of the case; you may have to carefully use a small screw driver to help pry it away from the case.) If a $3\frac{1}{2}$ " bezel is in place (part of the front panel), proceed to the next step. If there is only an opening, add the bezel (supplied) onto the front of the drive; position the end next to the button in place and then press the other end into place (it will snap into place).

5. Slide the added drive into place in the drive bracket and secure with the screws provided. (Depending on the computer, you may use only three of the four screws provided. That's OK.)
6. Replace the drive bracket assembly and fasten with the two screws previously removed.
7. Connect the cable to the back of the add-on drive.

Replace the computer's case and fasten with the screws previously removed.

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