Chapter 1
How To Install Your Hardware

Before you begin the actual installation of the WDXT- 140 or the WDXT- 150 hardware and software, you need to prepare and install your intelligent drives. Steps 1 and 2 below refer to these procedures.

Important

Each intelligent drive in your system requires a separate interface cable. The WDXT-140 and the WDXT-150 DO NOT support hard disk drives attached to daisy chain cables.

Installing Drive(s)

1. Turn your computer power switch OFF and unplug the power cord. Then remove the computer cover. *See manufacturer's manual for details.*

2. *Look in your intelligent drive manual and follow the steps to configure and to install your intelligent drive(s). These steps may include:*

- setting the drive number and terminator resistor
- attaching the cable(s) to each drive
- mounting the drive(s) into the computer case
- attaching your drive to a power source

Changing Adapter Jumper(s)

There are no jumpers on the WDXT-140. If you have a WDXT-140 board, you can skip this section and go directly to the next section, Connecting Cables.

The WDXT- 150 adapter board contains jumpers which control the BIOS address, the port address, and the interrupt request. Figure 1-1 shows the location of these jumpers. Change the BIOS and port address jumpers or the interrupt request on the WDXT-150 adapter board, if necessary.

See Appendix B for instructions on how to change jumper settings.

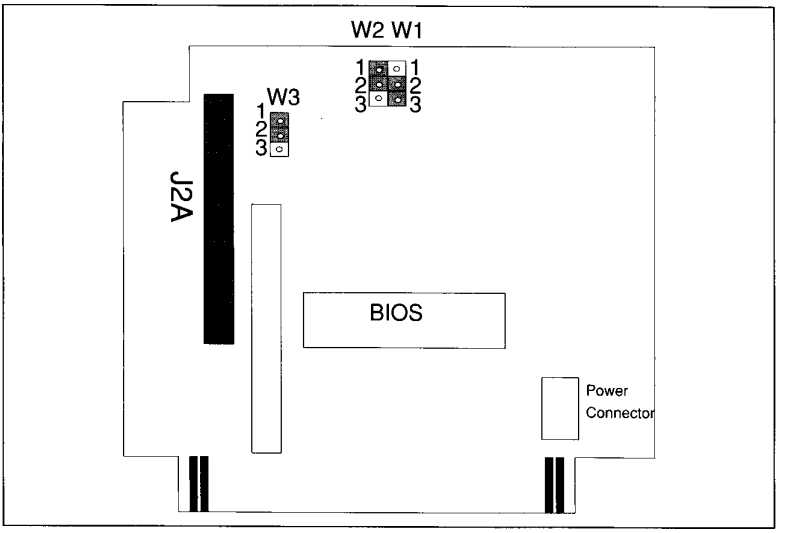


Figure 1-1. WDXT-150 Jumper Locations

Connecting Cables

After you have completed installing your intelligent drive(s) and changed any jumpers required on the WDXT-150 adapter board, follow either step 1 (if you have the WDXT-140) or step 2 (if you have the WDXT-l50) to connect your cables into your adapter board.

1. Connect cable(s) from drive unit(s) to WDXT-140 adapter board.

If you have a WDXT-140, see Figure 1-2.
If you have a WDXT-150, see Figure 1-3.

Drive 1 Cable Installation

Attach the interface cable 40 pin connector from the first drive to J 1 on the adapter board. Attach Pin 1 of the cable connector to Pin 1 on the adapter board. See Figure 1-2.

Pin 1 of the cable connector is marked and is on the color coded edge of the cable. Pin 20 on the WDXT-140 board is keyed (pin missing). Do NOT force the cables and connectors.

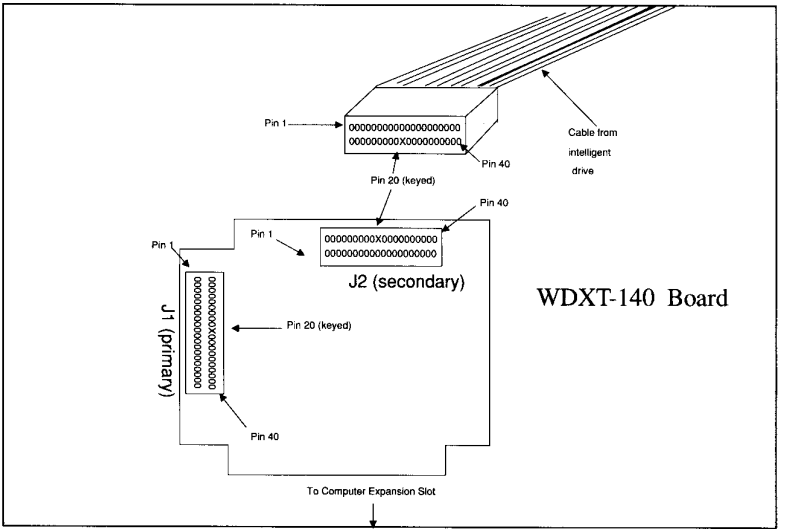


Figure 1-2. Connect Pin 1 to Pin 1

Drive 2 Cable Installation

Attach the interface cable 40 pin connector from the second drive to J2 on the adapter board. Attach Pin 1 to Pin 1. See Figure 1-2.

2. Connect cable(s) from drive unit to WDXT-150 adapter board.

Note: The WDXT-150 supports only one intelligent hard disk drive.

Drive 1 Cable Installation

Attach the interface cable 40 pin connector from the drive to J2A on the adapter board. Attach Pin 1 of the cable connector to Pin 1 on the adapter board. See Figure 1-3.

The WDXT-150 has a power connector, which can supply power to the drive. This connector is located in the lower corner of the board. See Figure 1-3. If you have no other way of connecting power to your intelligent drive, then connect the drive power cable to this connector.

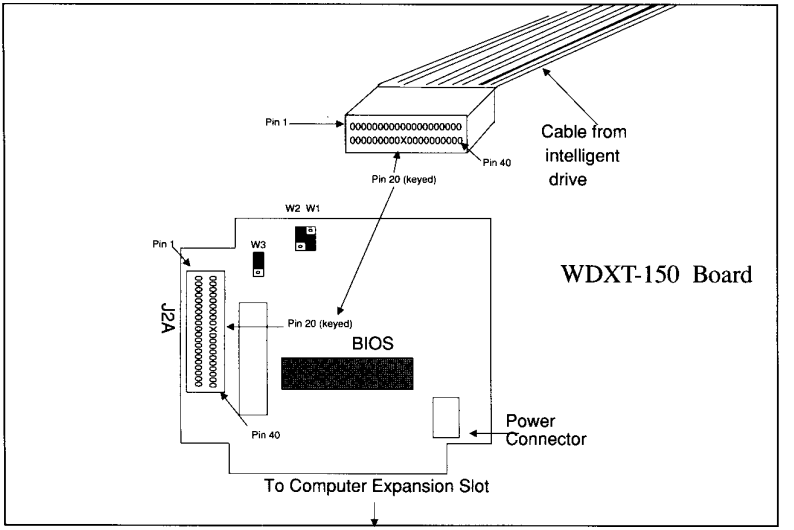


Figure 1-3. Connect Pin 1 to Pin 1

Pin 1 of the cable connector is marked and is on the color coded edge of the cable. Pin 20 on the WDXT-150 board is keyed (pin missing). Do NOT force the cables and connectors.

Inserting Adapter into Computer

After you have connected the cable(s) from either the WDXT-140 or WDXT-150 to your intelligent drive(s), follow the steps below to plug the board into your computer. Use an empty slot which is as close to the intelligent drive(s) as possible, except as noted below.

Note: For IBM XT owners: DO NOT use the slot closest to the power supply. Use an expansion slot at least one position removed from the power supply.

1. Loosen the screw holding the plate cover for the selected expansion slot. Remove the slot cover screw, **but do not remove the expansion slot coverplate**.

Your adapter board should have a plastic clip attached. If the clip is not attached to the board, locate the clip and gently push it onto the upper right-hand corner of the adapter board. See Figure 1-4.

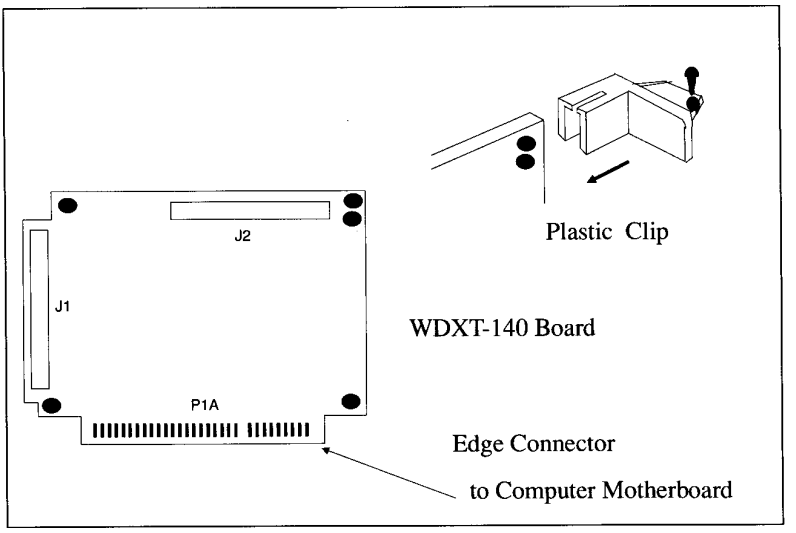


Figure 1-4. Installing Clip

2. Hold the adapter board by the top corners and slide it into the expansion slot. The board's edge connector (as shown in Figure 1-5) fits into the computer's motherboard expansion slot. Press on the board as you insert it into the expansion slot. Check that the board is seated properly by pressing down firmly on both ends of the board.

3. After the board is seated firmly in the expansion slot socket, secure the board using the plastic clip that is on the end of your board. Place the screw over the clip and slot cover. Then screw the clip and slot cover to the computer case.

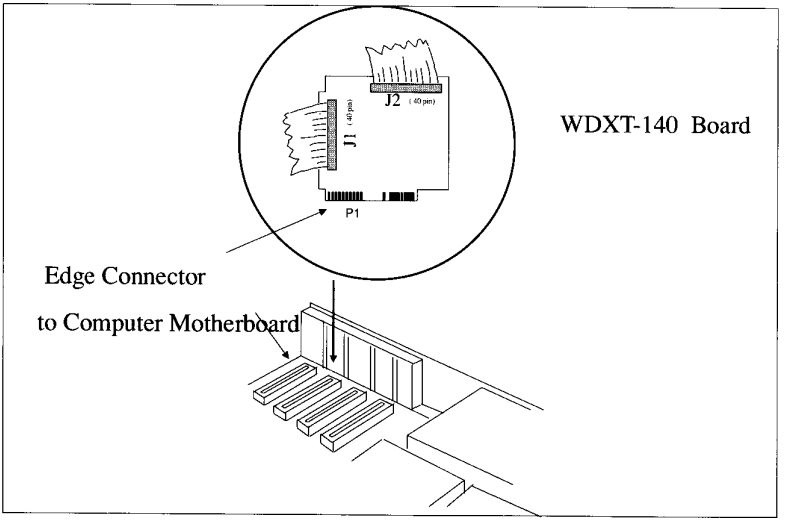


Figure 1-5. Installing WDXT-140 Board

Replacing Cover

1. Replace the computer cover. Make sure that cables are out of the way and not caught between the cover and boards. Check that the cables do not obstruct the air flow path from the fan or vents.

2. Plug the power cord back into your computer and turn the power switch ON.

Your hardware installation is complete. However, you need to format your hard disk and install an operating system and other software before you can use your hard disk(s).