

# G5 JIVE™

## Internal Drive Mounting System for Power Mac® G5

### Installation Instructions for G5 Jive

#### Power Mac and Serial ATA Drive Compatibility

The G5 Jive internal drive mounting system for Power Mac G5 is compatible with any Power Mac G5 computer, and supports any 3.5" Serial ATA (SATA) hard disk drive.

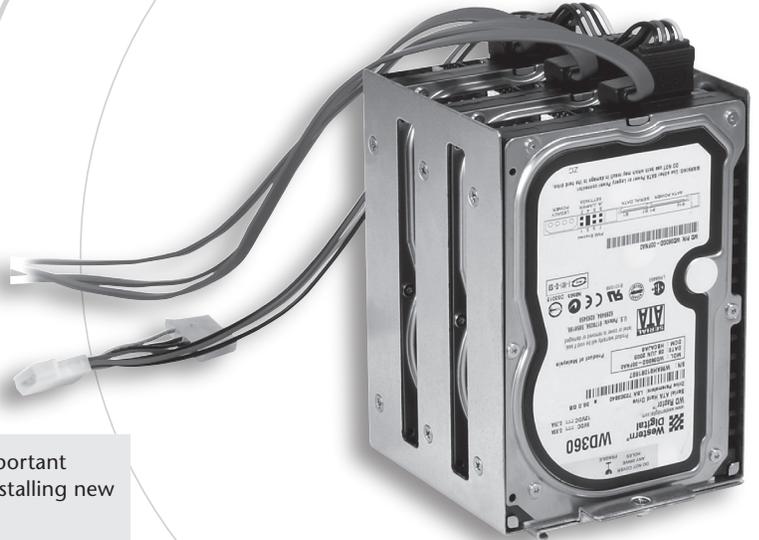
#### You Should Have

The following items should be included in your product package:

- Base plate
- Drive mounting bracket
- Base plate mounting screw
- Drive mounting bracket to base plate mounting screw
- Twelve hard drive mounting screws
- Three SATA data cables
- Power adapter cable

The following items are required for installation:

- Medium Phillips screwdriver (magnetic tip strongly suggested)



**Support Notes:** We recommend you make a backup of important information on your system's current hard drive(s) prior to installing new hardware or software.

When handling computer products, you must take care to prevent components from being damaged by static electricity. Before opening your computer or removing parts from their packages, always ground yourself first by touching a metal part of the computer, such as a port access cover, and work in an area free of static electricity; avoid carpeted areas. Handle all electronic components by their edges, and avoid touching connector traces and component pins.

#### Where to Start

These installation instructions are broken into two sections; the type of Power Mac G5 you are installing this product will determine where you start:

- *If you have a late-2005 Power Mac G5 with PCIe (PCI Express) slots, turn to page 2.*
- *If you have a Power Mac G5 with PCI or PCI-X slots, turn to page 9.*



Remember to register your product online at <http://registration.sonnettech.com> to be informed of future upgrades and product releases.

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## Installation Steps for Power Mac G5 with PCIe Slots

This section covers the installation of the G5 Jive into late-2005 Power Mac G5 models with PCIe (PCI Express) slots. If you are installing this product into a Power Mac G5 with PCI-X slots, skip to page 9.

### Shut Down and Open Computer

1. Shut down your Power Mac and wait 5 to 10 minutes to allow it to cool.
2. If you need to move the computer to a different area where you can work freely, disconnect any connected cables, move the computer, then reconnect the power cord to the computer and an electrical outlet.
3. Touch a port access cover or PCI card on the back of the computer (**Figure 1**) to discharge any potentially damaging static electricity.



**Support Note:** To avoid generating a static charge in your body, do not walk around the room until after you finish installing the drives and close the computer.

4. Disconnect the power cord from the computer.
5. While holding the side panel, lift up the latch on the back of the computer (**Figure 2**).
6. Pull the top of the metal side panel away from the side of the computer, and then lift and remove the panel (**Figure 3**).

7. Using its built-in handle, pull the air deflector away from the side of the computer, and then lift and remove the panel (**Figure 3**).

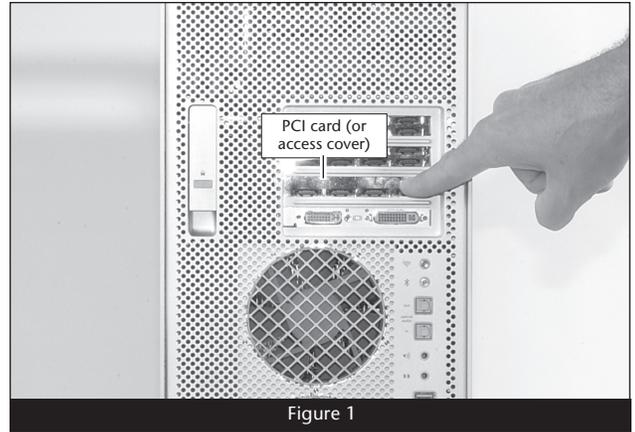


Figure 1

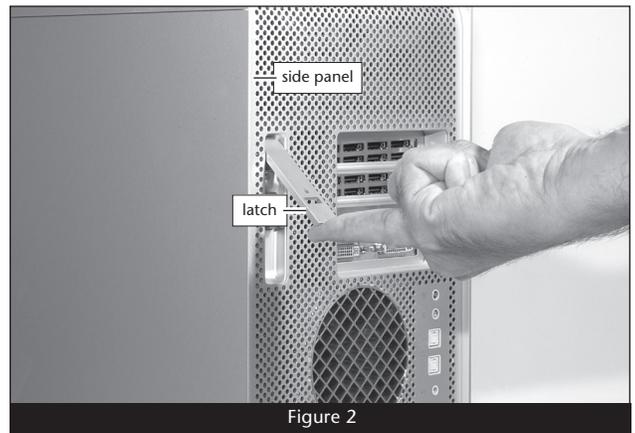


Figure 2

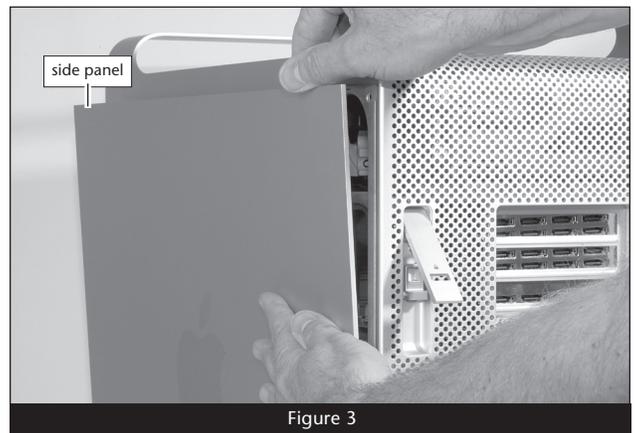


Figure 3

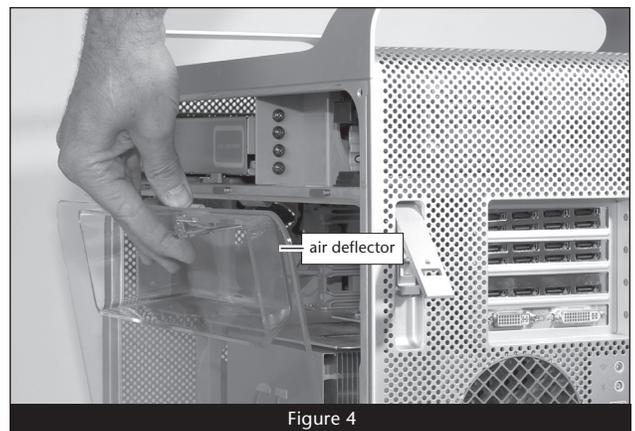


Figure 4

## Installation Steps for Power Mac G5 with PCIe Slots

### Remove Front Fan Assembly

Grasp the front fan assembly and carefully pull it straight out of the computer (Figure 5).

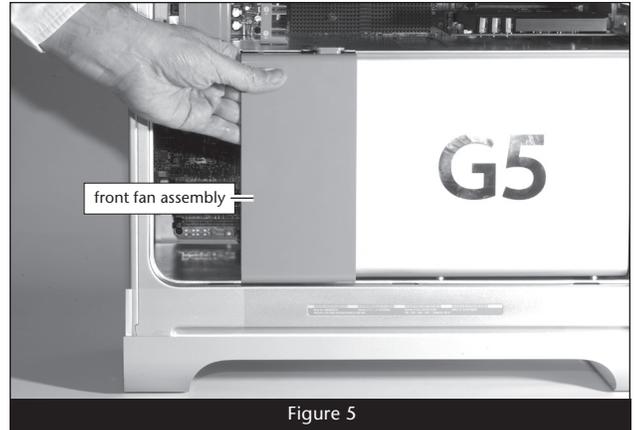


Figure 5

### Remove Optical Drive

1. Locate the optical drive's ribbon cable connector plugged into the logic board underneath the drive itself (Figure 6). Carefully disconnect the connector by pulling its pull-tab straight toward you.

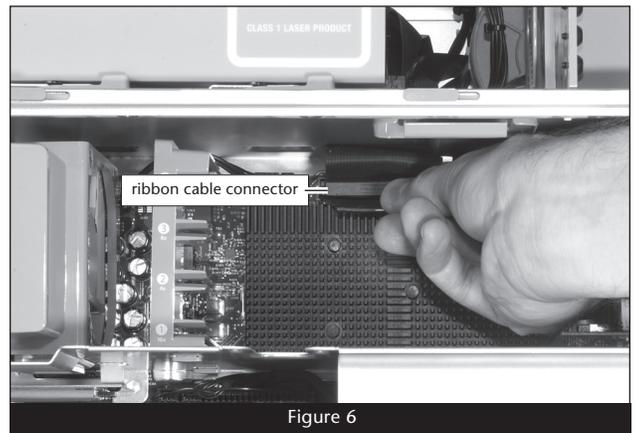


Figure 6

2. Unlock the release levers securing the optical drive in the computer (Figure 7); be sure to pull them open all the way (at a 90° angle from the chassis).

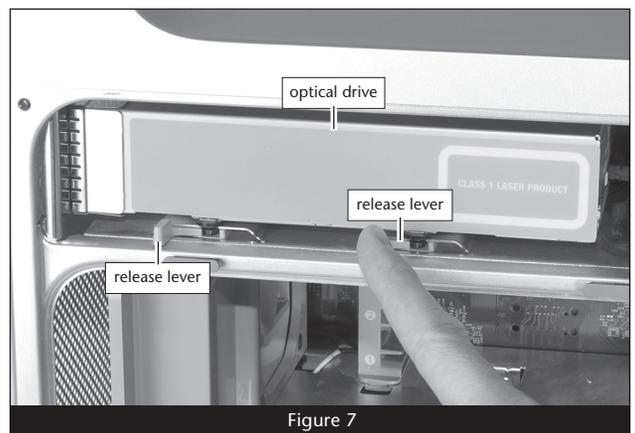


Figure 7

3. Pull the optical drive part way out of the computer, and then carefully disconnect the power cable connector (Figure 8); **pull on the connector, not on the wires**. If necessary, disconnect the ribbon cable's connector from the optical drive to enable you to grasp the power cable's connector.

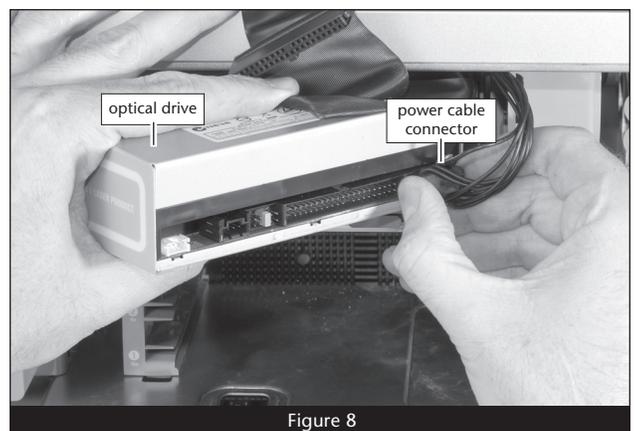


Figure 8

4. Remove the optical drive from the computer (Figure 8).

## Installation Steps for Power Mac G5 with PCIe Slots

### Install G5 Jive Base Plate

1. Locate and remove the screw from the floor of the computer in front of the RAM slots (**Figure 9**).

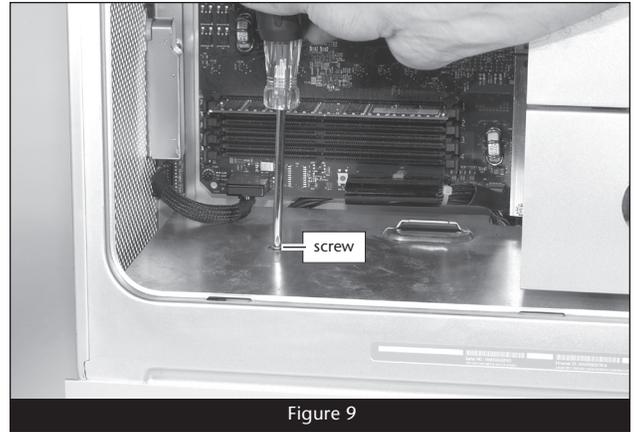


Figure 9

2. Insert the G5 Jive's base plate into the computer with the long folded edge face down and the raised tab facing out (**Figure 10**).
3. Slide the folded edge of the base plate over the front edge of the computer's floor, and align the base plate's screw hole with the screw hole in the floor (**Figure 10**).

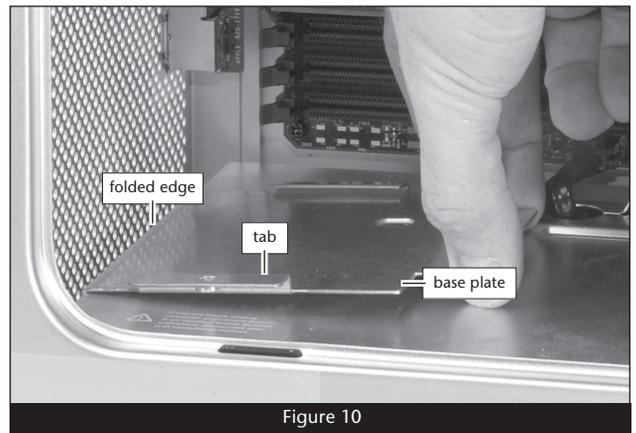


Figure 10

4. Using the provided long screw, secure the base plate to the computer; do not overtighten the screw (**Figure 11**).

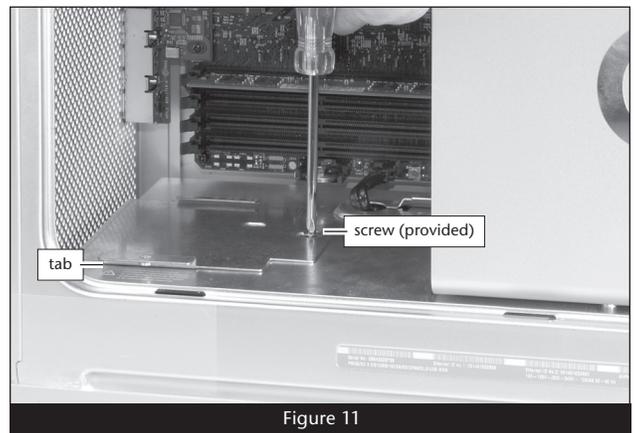


Figure 11

### Install Drives into G5 Jive Drive Mounting Bracket

1. Set the drive mounting bracket on its side with the raised tab facing left (**Figure 12**).
2. Handling it by its edges, insert a Serial ATA drive into the drive bracket with the drive's label facing you, and then align the holes in the bracket with the screw holes in the drive (**Figure 12**).
3. Using the provided drive mounting screws, secure the drive to the drive mounting bracket (**Figure 12**).
4. Repeat steps 1-3 for any additional drives.

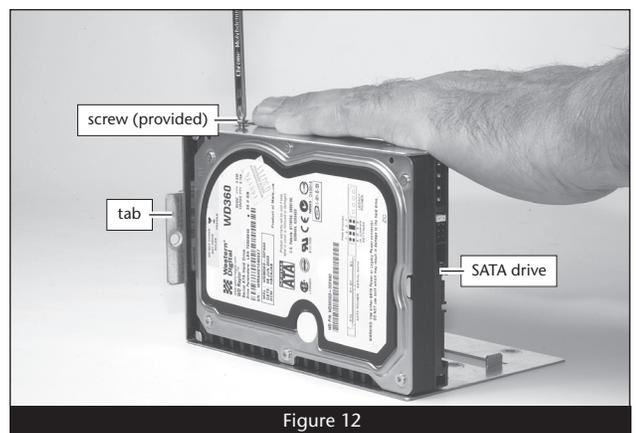


Figure 12

## Installation Steps for Power Mac G5 with PCIe Slots

### Install Drives into Computer

1. With its two white connectors at the top, route the supplied power adapter cable over and in front of the fan/speaker assembly (Figure 13).

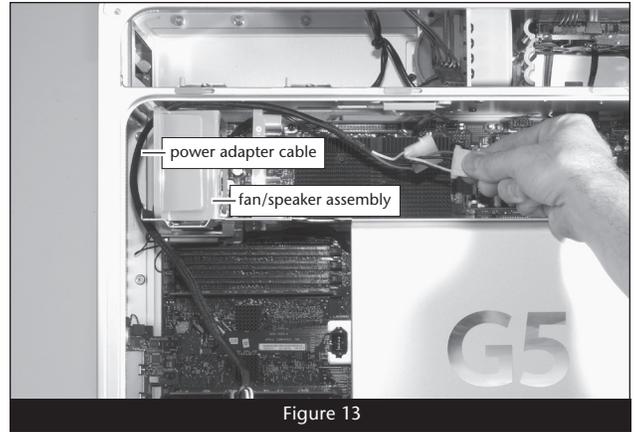


Figure 13

2. Continue routing the connectors through the opening into the optical drive bay where the optical drive's power cable is located (Figure 14).

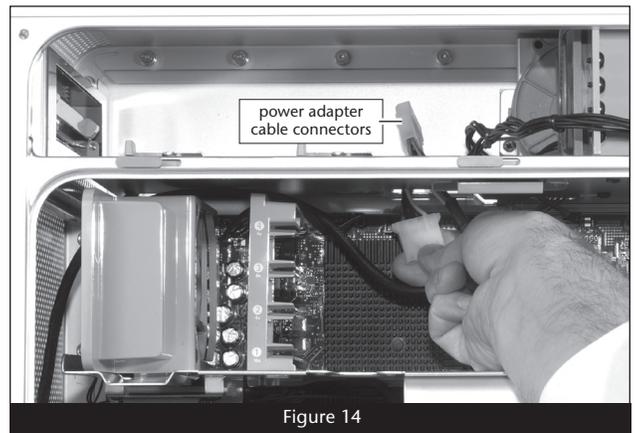


Figure 14

3. Connect the optical drive's power cable connector to the G5 Jive's power adapter cable's 4-pin female connector; **verify the connectors are plugged in securely** (Figure 15).

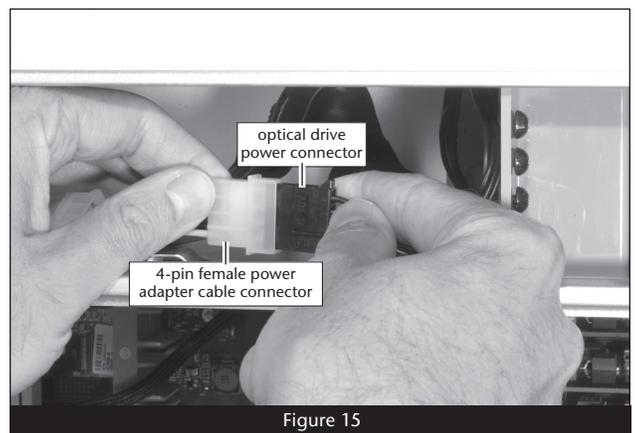


Figure 15

4. Connect the power adapter cable's male connector to the optical drive, and if necessary, reconnect the ribbon cable connector; **verify the connectors are plugged in securely** (Figure 16).

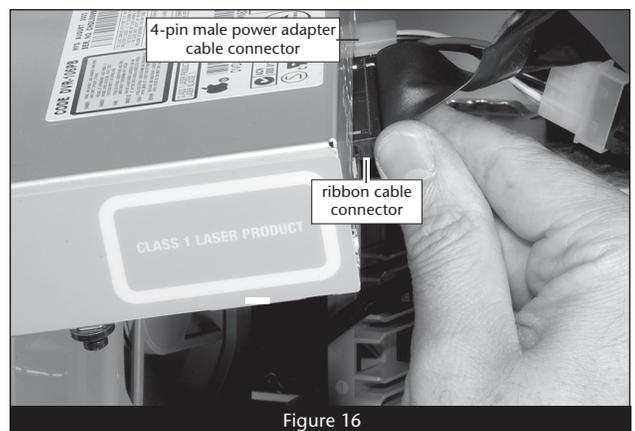
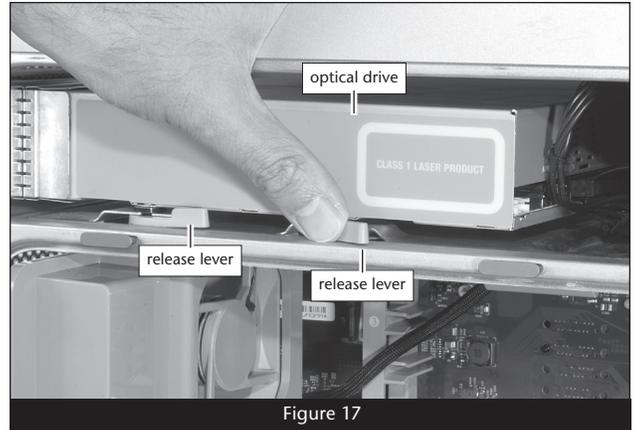


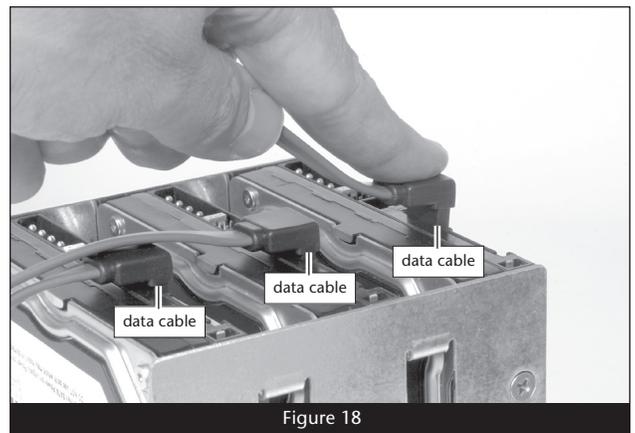
Figure 16

## Installation Steps for Power Mac G5 with PCIe Slots

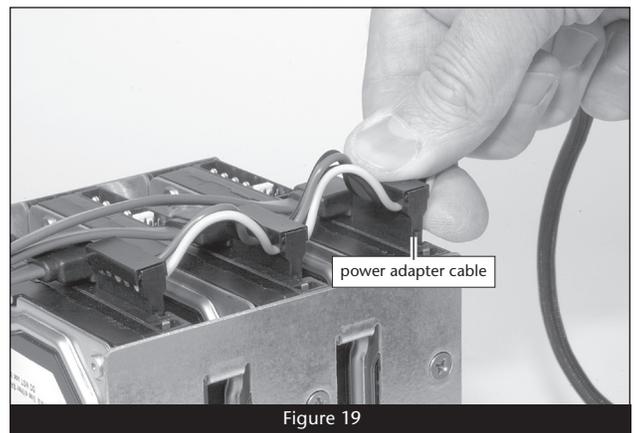
5. Aligning its guide pins so they will engage the four slots inside the computer, slide the optical drive back all the way into the drive bay, making sure no cables or wires get pinched (Figure 17).
6. Push the levers closed to lock the drive in place (Figure 17).
7. Take up any slack in the power adapter cable by pulling it down toward the bottom of the computer.



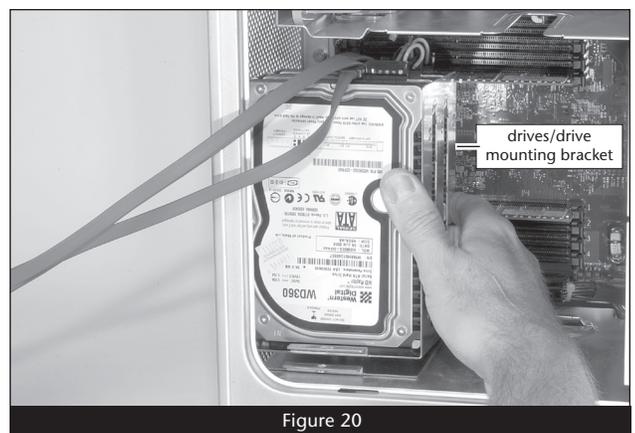
8. Set the drives next to the computer and connect the right-angle connectors from the supplied SATA data cables to them; **verify the connectors are plugged in securely** (Figure 18).



9. Connect the power adapter cable to the drives; **verify the connectors are plugged in securely** (Figure 19).

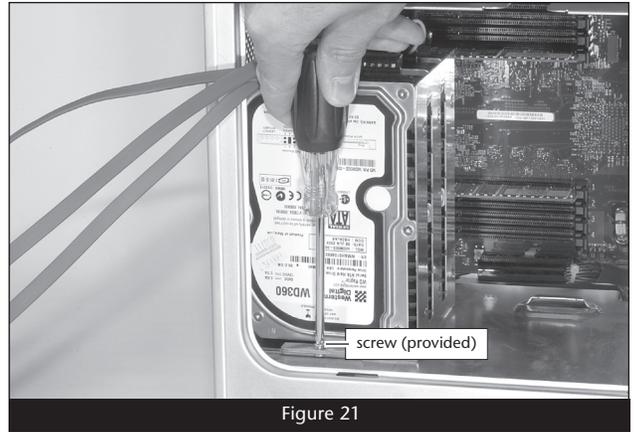


10. With the labels facing you, insert the drives/drive mounting bracket into the computer, sliding the edge of the drive mounting bracket under the lip of the base plate (Figure 20).

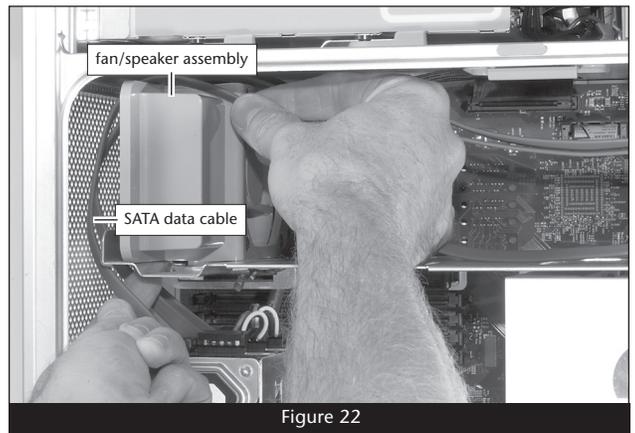


## Installation Steps for Power Mac G5 with PCIe Slots

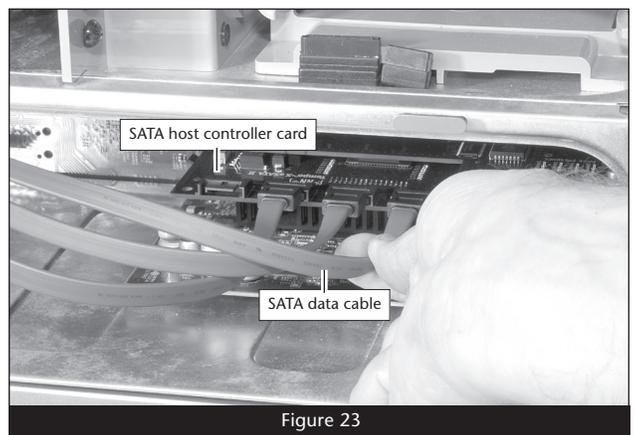
11. Secure the drive mounting bracket firmly to the base plate with the provided screw; **do not overtighten the screw** (Figure 21). The drive mounting system should now be secure.



12. Carefully route the data cables in front of and over the fan/speaker assembly; make sure the data cables remain plugged in securely (Figure 22).

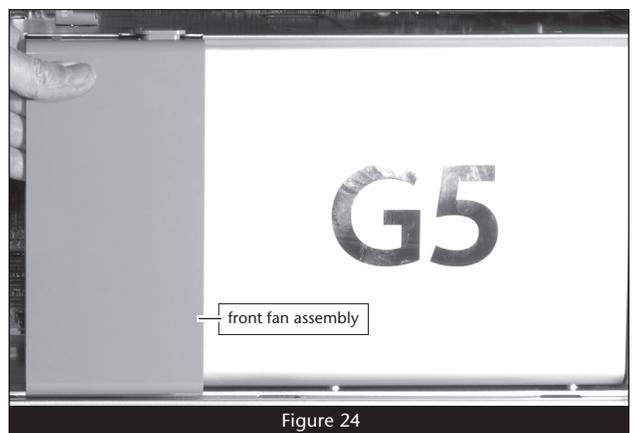


13. Connect the data cables to the SATA host controller card (card not included); make sure the connectors are plugged in securely (Figure 23).



### Reinstall Front Fan Assembly

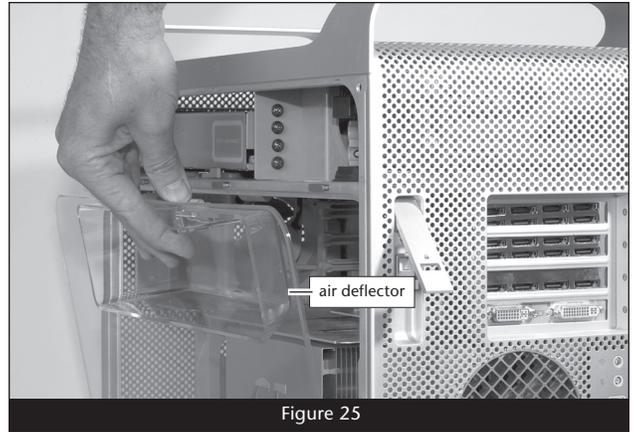
Push the front fan assembly back in place in the computer; **make sure the fan assembly is connected securely** (Figure 24).



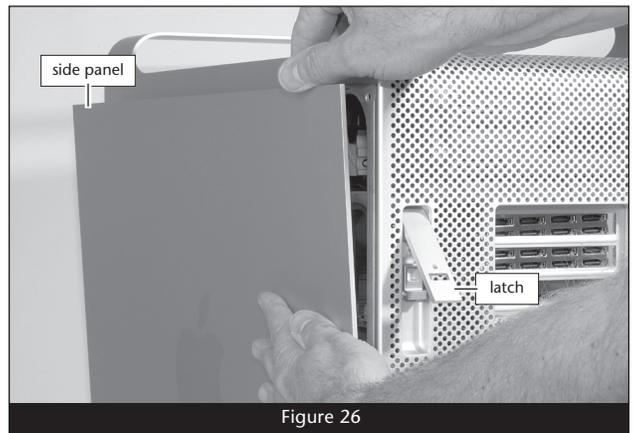
## Installation Steps for Power Mac G5 with PCIe Slots

### Close Computer

1. Reinstall the air deflector on the side of the computer (Figure 25).



2. Reinstall the metal side panel on to the computer, and press down the latch to lock it in place (Figure 26).
3. Return the computer to your computing area if necessary, and reconnect the power cord and peripheral cables to the computer. Your installation is complete.



## Installation Steps for Power Mac G5 with PCI-X Slots

This section covers the installation of the G5 Jive into Power Mac G5 models with PCI-X slots. If you are installing this product into a Power Mac G5 with PCIe slots, return to page 2.

### Shut Down and Open Computer

1. Shut down your Power Mac and wait 5 to 10 minutes to allow it to cool.
2. If you need to move the computer to a different area where you can work freely, disconnect any connected cables, move the computer, then reconnect the power cord to the computer and an electrical outlet.
3. Touch a port access cover or PCI card on the back of the computer (Figure 27) to discharge any potentially damaging static electricity.



**Support Note:** To avoid generating a static charge in your body, do not walk around the room until after you finish installing the drives and close the computer.

4. Disconnect the power cord from the computer.
5. While holding the side panel, lift up the latch on the back of the computer (Figure 28).
6. Pull the top of the metal side panel away from the side of the computer, and then lift and remove the panel (Figure 29).
7. Using the built-in handle, pull the air deflector away from the side of the computer, and then lift and remove the panel (Figure 30).

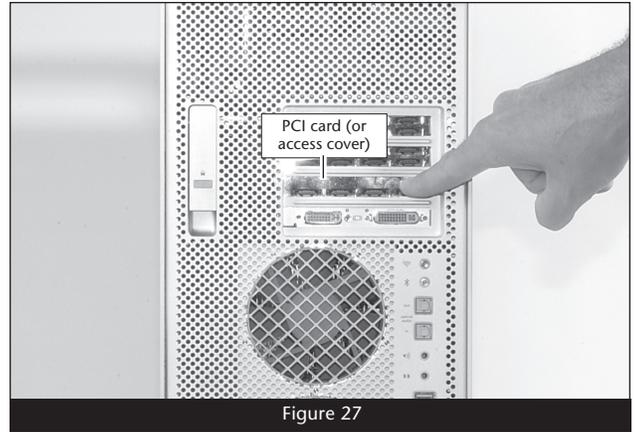


Figure 27

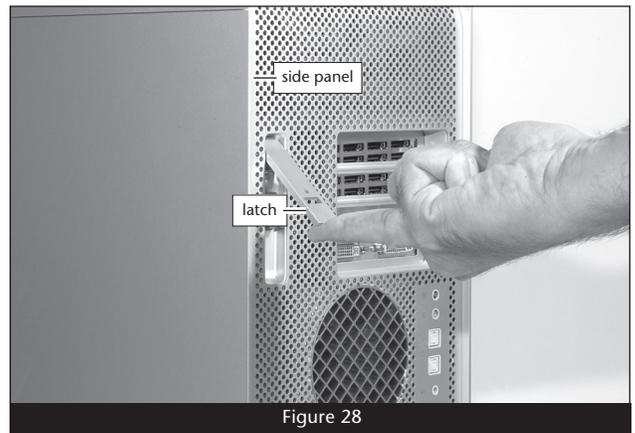


Figure 28

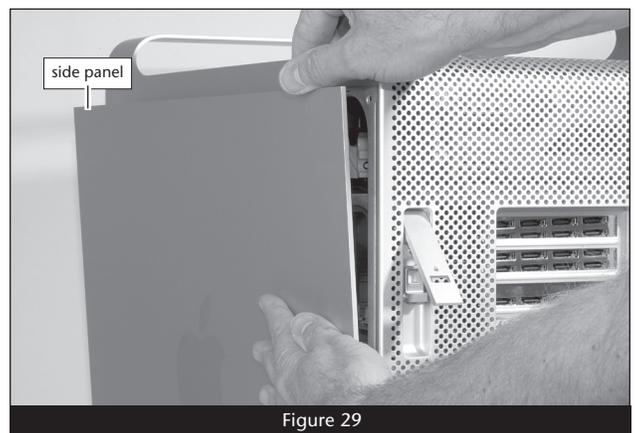


Figure 29

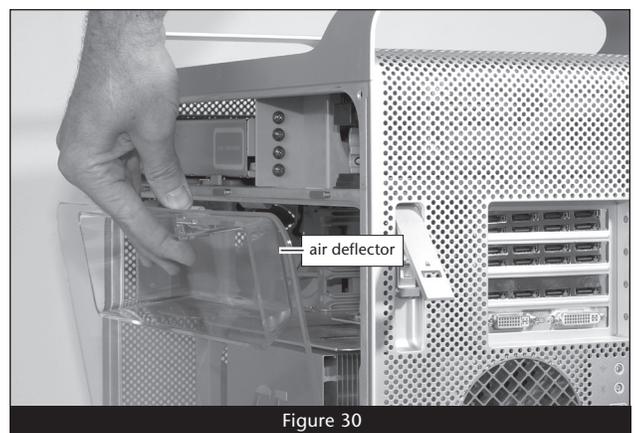


Figure 30

## Installation Steps for Power Mac G5 with PCI-X Slots

### Remove Front Fan Assembly (if necessary)

If you are working with a dual processor Power Mac G5, grasp the front fan assembly's handle, and pull it straight out of the computer (Figure 31).

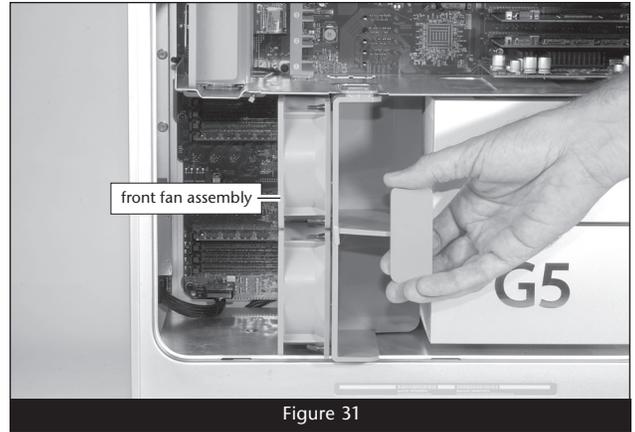


Figure 31

### Remove Optical Drive

1. Unlock the release levers securing the optical drive in the computer (Figure 32); be sure to pull them open all the way (at a 90° angle from the chassis).

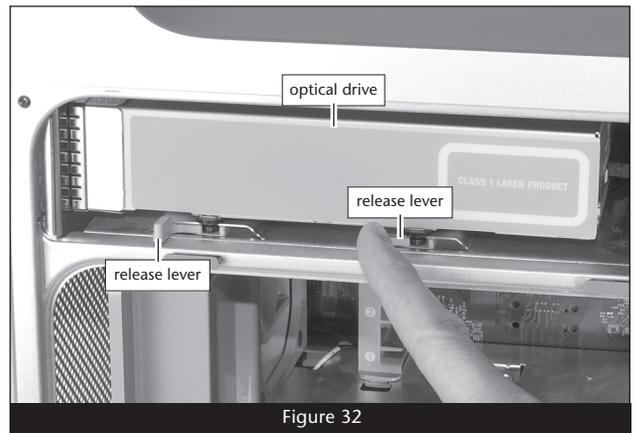


Figure 32

2. Pull the optical drive part way out of the computer, and then carefully disconnect its ribbon cable and power connector (Figure 33); pull on the connectors, not on the wires.

3. Remove the optical drive from the computer (Figure 33).

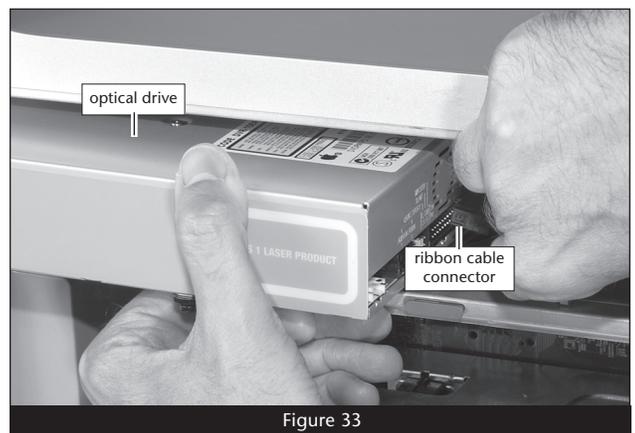


Figure 33

### Install G5 Jive Base Plate

1. Locate and remove the screw from the floor of the computer in front of the RAM slots (Figure 34).

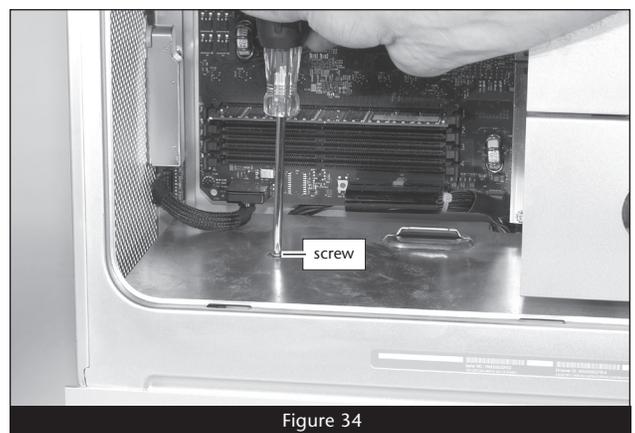


Figure 34

## Installation Steps for Power Mac G5 with PCI-X Slots

2. Insert the G5 Jive's base plate into the computer with the long folded edge face down and the raised tab facing out (Figure 35).
3. Slide the folded edge of the base plate over the front edge of the computer's floor, and align the base plate's screw hole with the screw hole in the floor (Figure 35).

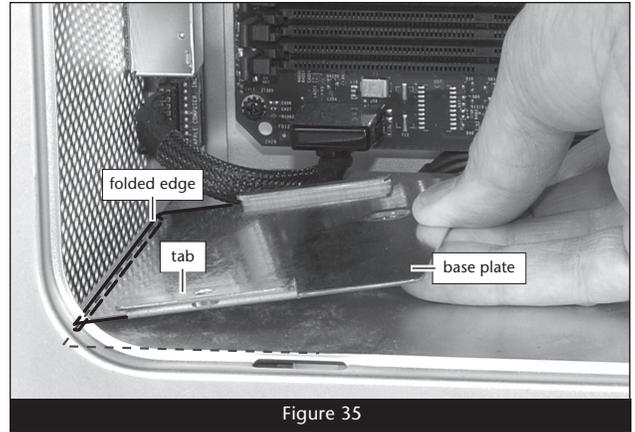


Figure 35

4. Using the provided long screw, secure the base plate to the computer; do not overtighten the screw (Figure 36).

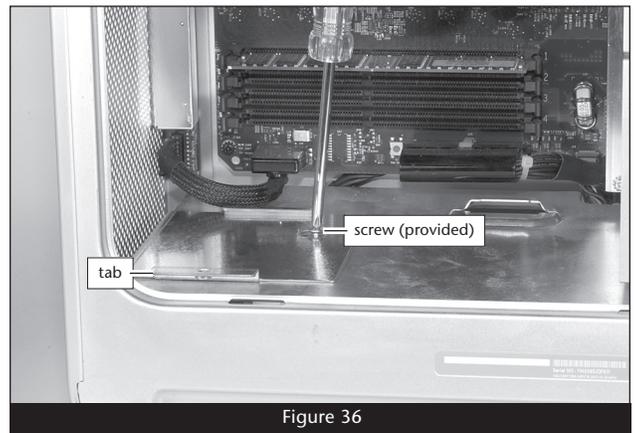


Figure 36

## Install Drives into G5 Jive Drive Mounting Bracket

1. Set the drive mounting bracket on its side with the raised tab facing left (Figure 37).
2. Handling it by its edges, insert a Serial ATA drive into the drive bracket with the drive's label facing you, and then align the holes in the bracket with the screw holes in the drive (Figure 37).
3. Using the provided drive mounting screws, secure the drive to the drive mounting bracket (Figure 37).
4. Repeat steps 1-3 for any additional drives.

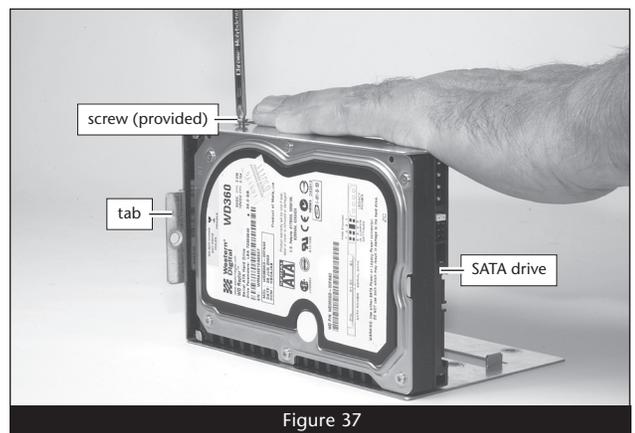


Figure 37

## Install Drives into Computer

1. Connect the right-angle connectors from the supplied SATA data cables to the drives; verify the connectors are plugged in securely (Figure 38).

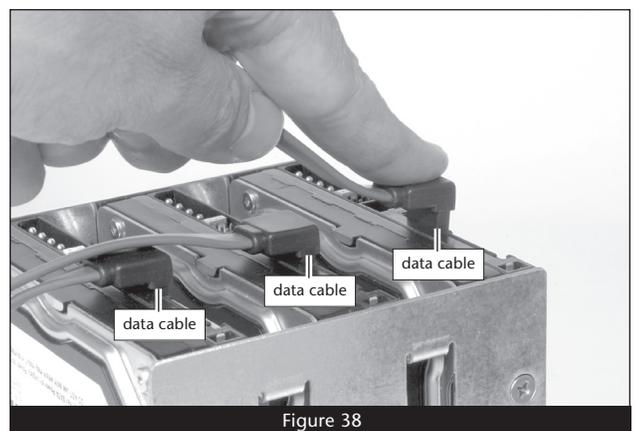


Figure 38

## Installation Steps for Power Mac G5 with PCI-X Slots

2. Connect the power adapter cable to the drives; verify the connectors are plugged in securely (Figure 39).

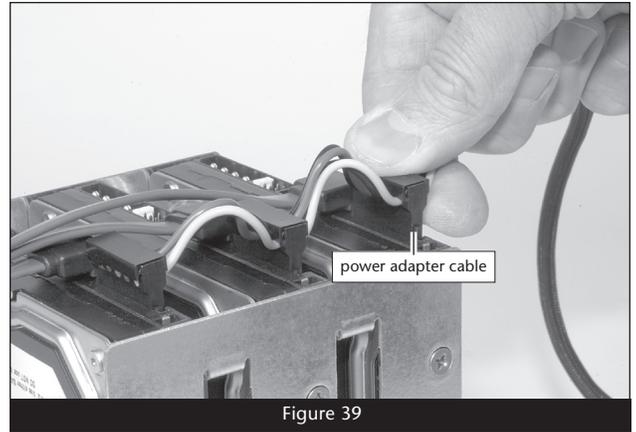


Figure 39

3. Pull the fan/speaker assembly part way out of the computer (approximately 2"), but leave it connected (Figure 40).

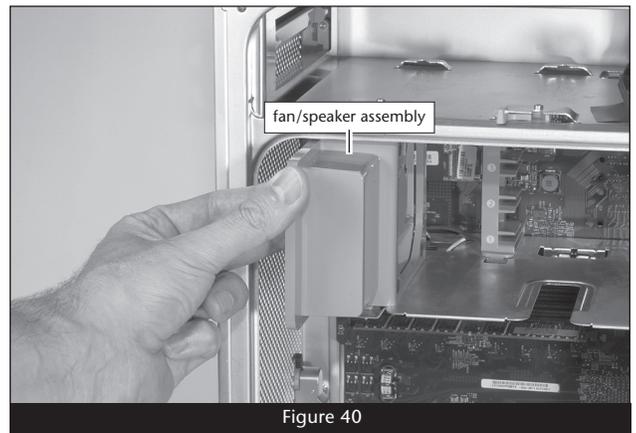


Figure 40

4. Set the drives next to the computer and route the power adapter cable's remaining connectors through the opening behind the fan/speaker assembly (Figure 41).

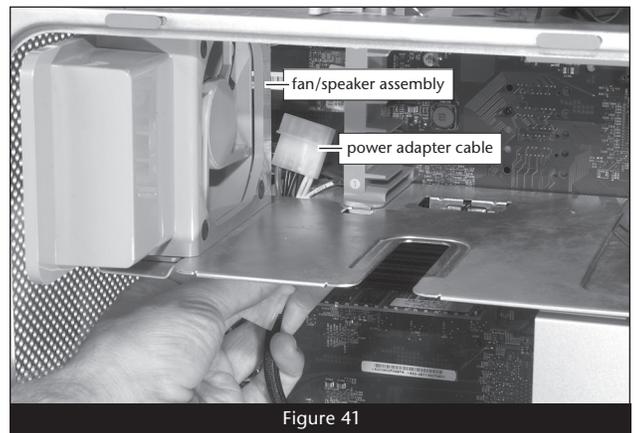


Figure 41

5. Continue routing the connectors through the opening into the optical drive bay where the ribbon and drive power cables are located (Figure 42).

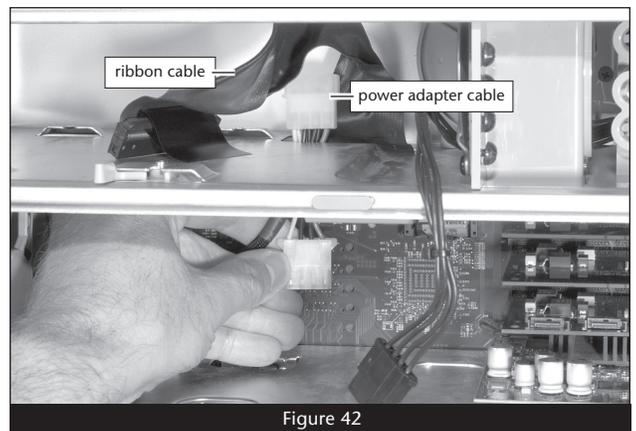
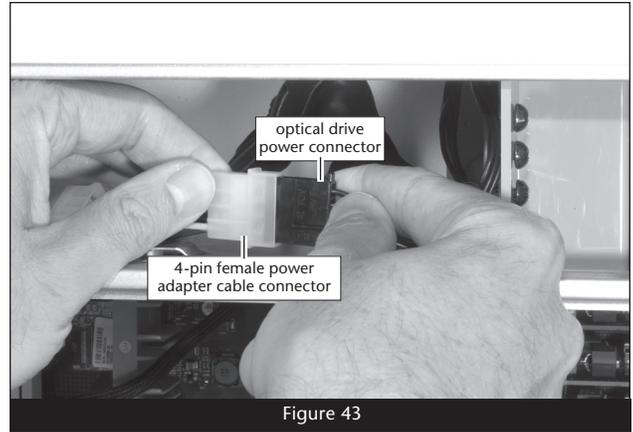


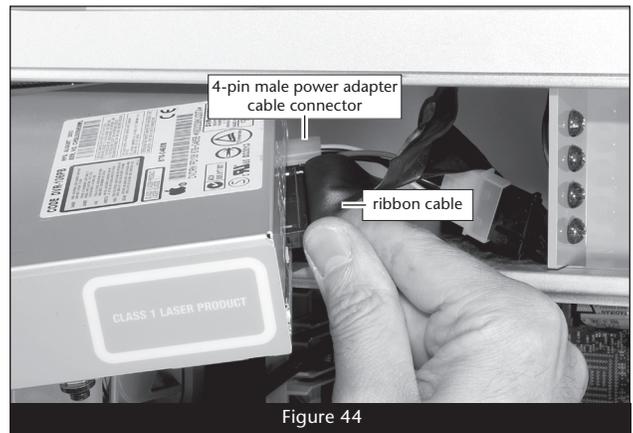
Figure 42

## Installation Steps for Power Mac G5 with PCI-X Slots

6. Connect the optical drive's power cable connector to the G5 Jive's power adapter cable's 4-pin female connector; **verify the connectors are plugged in securely (Figure 43).**

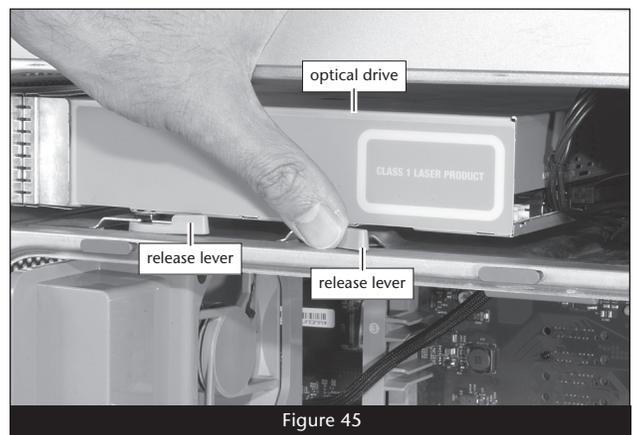


7. Connect the power adapter cable's male connector to the optical drive; **verify the connector is plugged in securely (Figure 44).**



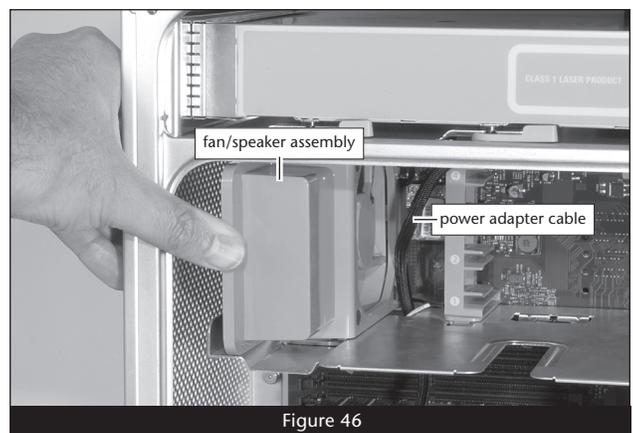
8. Reconnect the ribbon cable to the optical drive; **verify the connector is plugged in securely (Figure 44).**

9. Aligning its guide pins so they will engage the four slots inside the computer, slide the optical drive back all the way into the drive bay, making sure no cables or wires get pinched (**Figure 45**).



10. Push the levers closed to lock the drive in place (**Figure 45**).

11. Take up any slack in the power adapter cable by pulling it down toward the attached drives (**Figure 46**).



12. Push the fan/speaker assembly back into place (**Figure 46**).

## Installation Steps for Power Mac G5 with PCI-X Slots

13. With the labels facing you, insert the drives/drive mounting bracket into the computer, sliding the edge of the drive mounting bracket under the lip of the base plate (Figure 47).

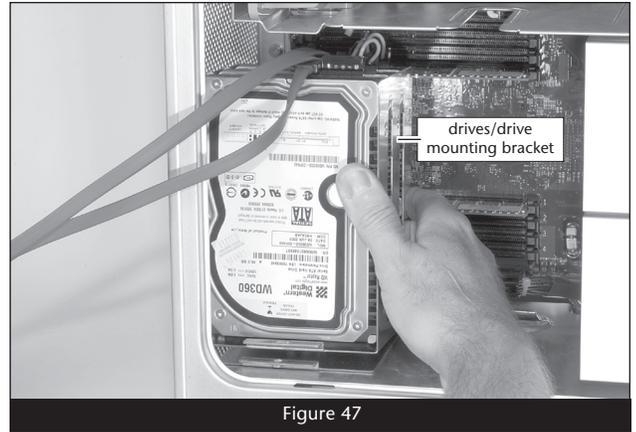


Figure 47

14. Secure the drive mounting bracket firmly to the base plate with the provided screw; **do not overtighten the screw** (Figure 48). The drive mounting system should now be secure.

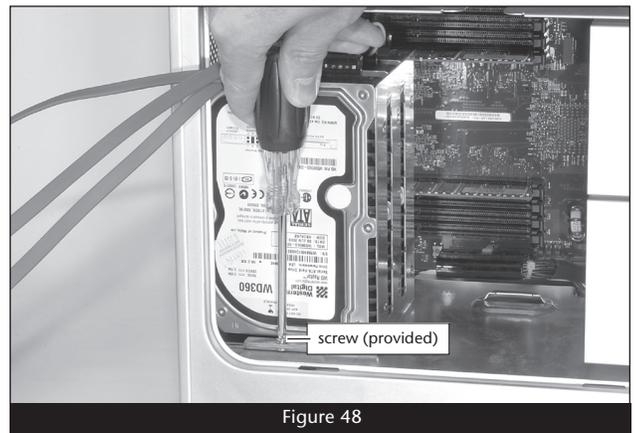


Figure 48

15. Carefully route the data cables in front of and over the fan/speaker assembly; make sure the data cables remain plugged in securely (Figure 49).

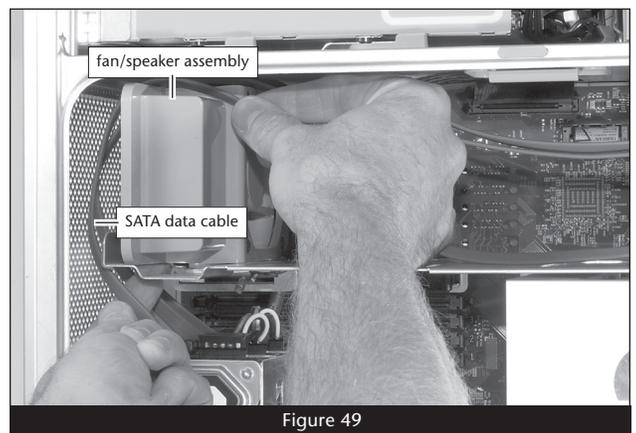


Figure 49

16. Connect the data cables to the SATA host controller card (card not included); make sure the connectors are plugged in securely (Figure 50).

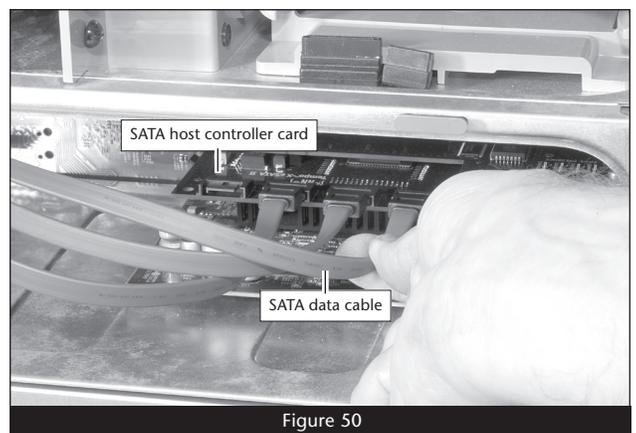
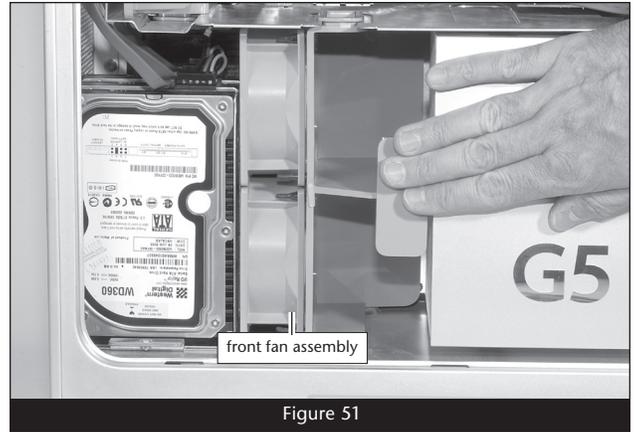


Figure 50

## Installation Steps for Power Mac G5 with PCI-X Slots

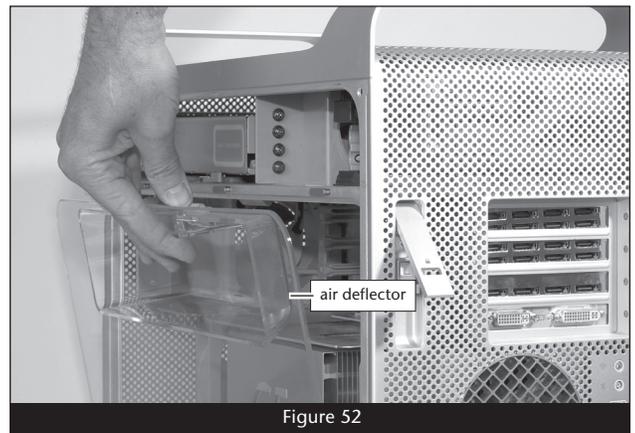
### Reinstall Front Fan Assembly (if Necessary)

Push the front fan assembly back in place in the computer; make sure the fan assembly is connected securely (Figure 51).



### Close Computer

1. Reinstall the air deflector on the side of the computer (Figure 52).



2. Reinstall the metal side panel on to the computer, and press down the latch to lock it in place (Figure 53).
3. Return the computer to your computing area if necessary, and reconnect the power cord and peripheral cables to the computer.

