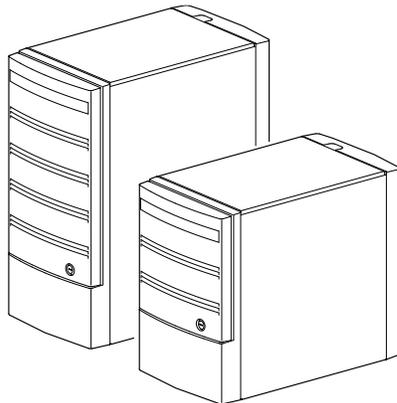


SCSI Expander

Owner's Manual

Part Number: EK-SCSIE-OG. A01

August 1995



**Digital Equipment Corporation
Maynard, Massachusetts**

August 1995

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FCC NOTICE: The equipment has been tested and found to comply with the limits for a Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protections against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this devices may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The BA362-AA and BA364-AA interconnect cable as supplied with the unit may not be substituted, nor altered in any way.

This guide provides instructions for installing your SCSI expander and installing hard-disk drives, SBBs, and CD-ROM drives.

Product Description

The BA362 is a two device modular desktop 8/16 BIT Storage SCSI expansion box. This enclosure will allow a maximum of two 3.5-inch SBBs to be installed.

The physical dimensions of the enclosure are 7.0 inches (177.8 millimeters) wide by 12.67 inches (321.8 millimeters) long by 10.5 inches (266.7 millimeters) high.

The BA364 is a modular desktop 8/16 BIT Storage SCSI expansion box.. This enclosure will allow the following device configurations to be installed and used within the enclosure:

- (4) 8/16-bit SCSI devices (3.5-inch SBB) with a fixed 5.25-inch CD-ROM installed in the top slot.
- (1) 8/16-bit SCSI device (3.5-inch SBB), (1) 5.25-inch SBB and a fixed 5.25-inch CD-ROM installed in the top slot.

The physical dimensions of the enclosure are 7.0 inches (177.8 millimeters) wide by 12.67 inches (321.8 millimeters) long by 14.5 inches (368.3 millimeters) high.

Units may be vertically stacked using the optional vertical stacking kit (BA36X-AA).

Caution:

Stacking units other than the defined supported configurations could cause the units to tip and fall over.

Achtung:

Werden die verschiedenen Einheiten in anderen als den definierten Konfigurationen übereinandergestapelt, kann dies zur Instabilität des Aufbaus und evtl. Beschädigung der Geräte führen.

Acoustic Declaration

Acoustics - declared values per ISO 9296 and ISO 7779:

| Product | Sound Power Level LwAd, B | | Sound Pressure Level LpAm, dBA (bystander positions) | |
|-----------------|------------------------------|---------|--|---------|
| | Idle | Operate | Idle | Operate |
| BA362 diskless | 5.2 | 5.2 | 39 | 39 |
| BA362 + 2xRZ29B | 5.4 | 5.5 | 42 | 42 |
| BA362 + 2xRZ26N | 5.3 | 5.3 | 40 | 40 |
| BA364 diskless | 5.4 | 5.4 | 40 | 40 |
| BA364 + 2xRZ29B | 5.5 | 5.5 | 42 | 42 |
| BA364 + 4xRZ29B | 5.5 | 5.5 | 42 | 42 |
| BA364 + 2xRZ26N | 5.5 | 5.5 | 41 | 41 |
| BA364 + 4xRZ26N | 5.5 | 5.5 | 42 | 42 |

[Current values for specific configurations are available from Digital representatives. 1 B = 10 dBA.]

Schallemissionswerte - Werteangaben nach ISO 9296 und ISO 7779/DIN EN27779:

| Gerät | Schalleistungspegel LwAd, B | | Schalldruckpegel LpAm, dBA (Zuschauerpositionen) | |
|-----------------|--------------------------------|---------|--|---------|
| | Leerlauf | Betrieb | Leerlauf | Betrieb |
| BA362 diskless | 5.2 | 5.2 | 39 | 39 |
| BA362 + 2xRZ29B | 5.4 | 5.5 | 42 | 42 |
| BA362 + 2xRZ26N | 5.3 | 5.3 | 40 | 40 |
| BA364 diskless | 5.4 | 5.4 | 40 | 40 |
| BA364 + 2xRZ29B | 5.5 | 5.5 | 42 | 42 |
| BA364 + 4xRZ29B | 5.5 | 5.5 | 42 | 42 |
| BA364 + 2xRZ26N | 5.5 | 5.5 | 41 | 41 |
| BA364 + 4xRZ26N | 5.5 | 5.5 | 42 | 42 |

[Aktuelle Werte für spezielle Ausrüstungsstufen sind über die Digital Equipment Vertretungen erhältlich. 1 B = 10 dBA.]

Configuration Rules for BA362/BA364 Enclosures

BA362/BA364 enclosures may be used standalone or vertically-stacked using the optional vertical stacking kit (BA36X-AA) when installed on the desktop. This kit contains the following items:

- C13/C14 SPT-2 power cord (17-04216-01/BC25Y-1G)
- One (1) 6-inch long SCSI-P cable assembly (17-04222-01/BC25Z-0F)
- Interlock cover (74-50239-01)
- Five (5) #10 PAN 0.375-inch screws (90-00062-38)
- Pedestal (74-46547-01)
- Pedestal retainer bracket (74-50578-01).

Caution:

Stacking units other than the defined supported configurations could cause the units to tip and fall over.

Achtung:

Werden die verschiedenen Einheiten in anderen als den definierten Konfigurationen übereinandergestapelt, kann dies zur Instabilität des Aufbaus und evtl. Beschädigung der Geräte führen.

Supported BA362 Desktop Configurations:

- One BA362-AA/AB standalone
- Two BA362-AAs/ABs vertically-stacked

Supported BA364 Desktop Configurations:

- One BA364-AA/AB standalone
- One BA364-AA/AB and one BA362-AA/AB vertically-stacked

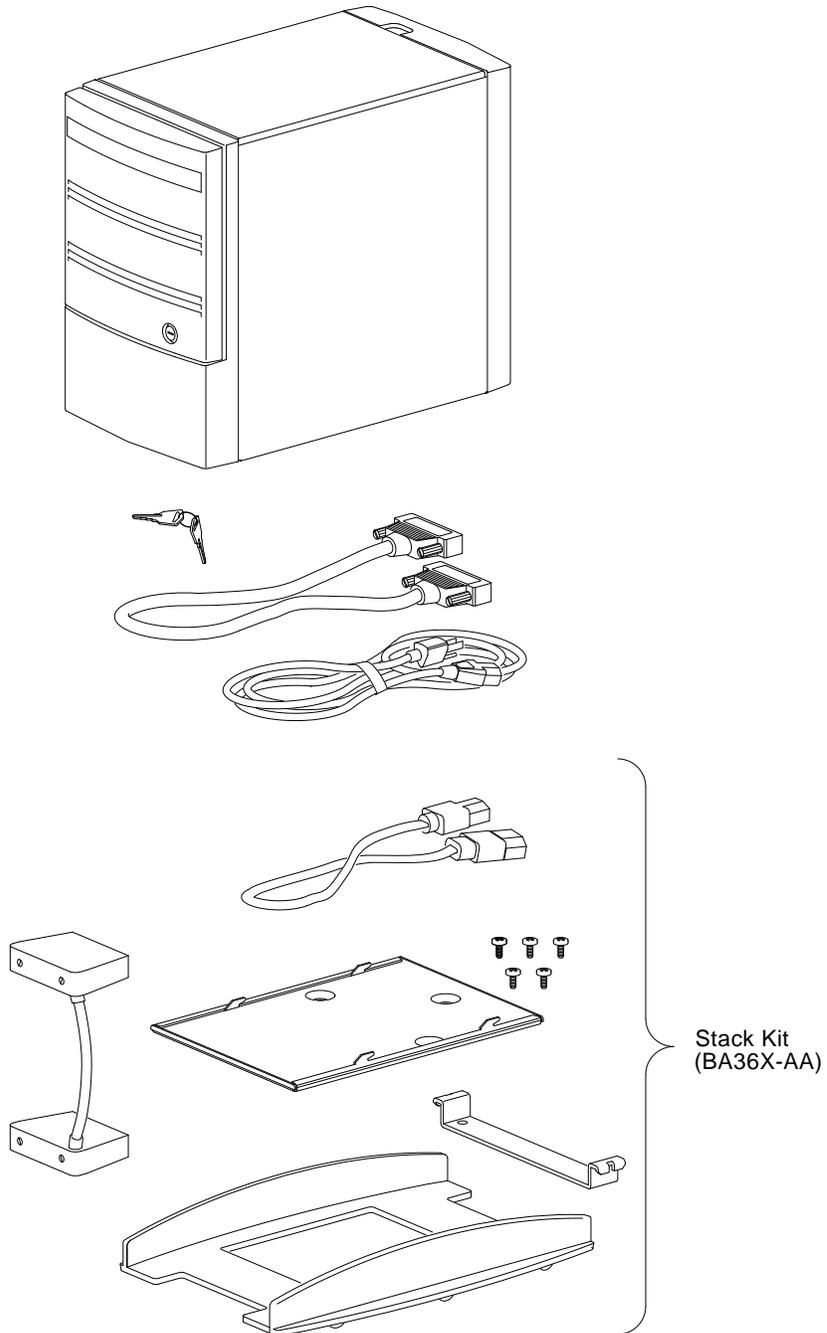
Supported BA362 Floor-Mounted Configurations:

- One BA362-AA/AB standalone
- Two BA362-AAs/ABs vertically-stacked

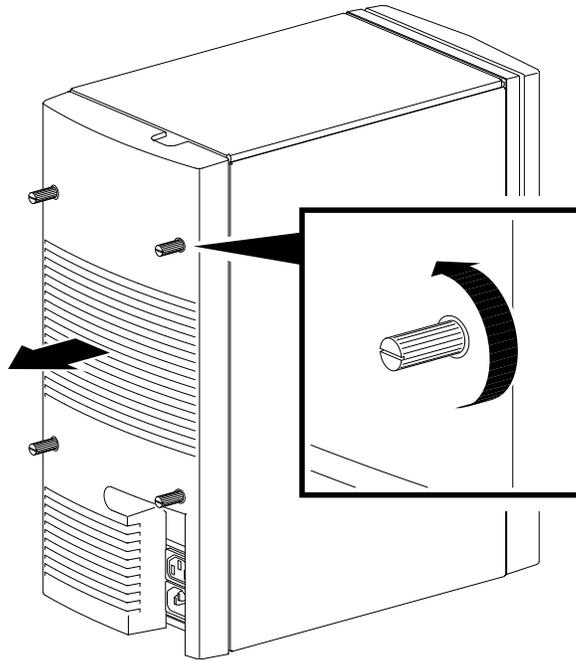
Supported BA364 Floor-Mounted Configurations:

One BA364-AA/AB standalone

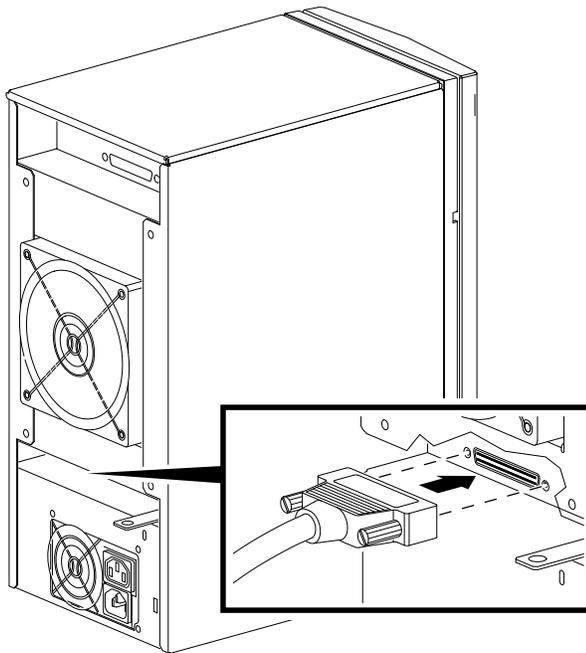
BA362-AA/AB System with Stack Kit Contents



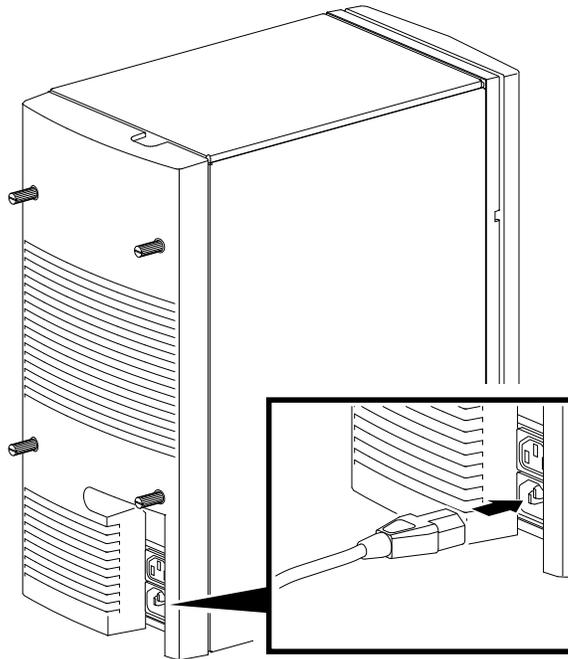
Removing the Rear Bezel



Installing the External SCSI Cable (from Host System)



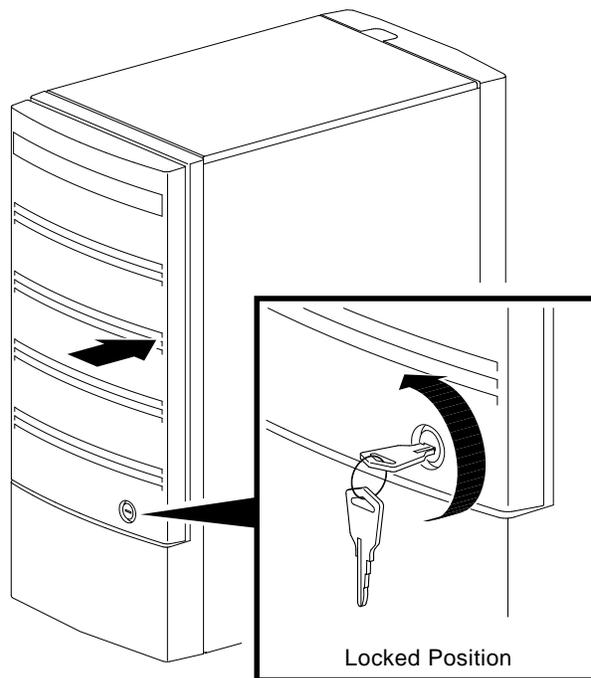
Installing External Power Cable



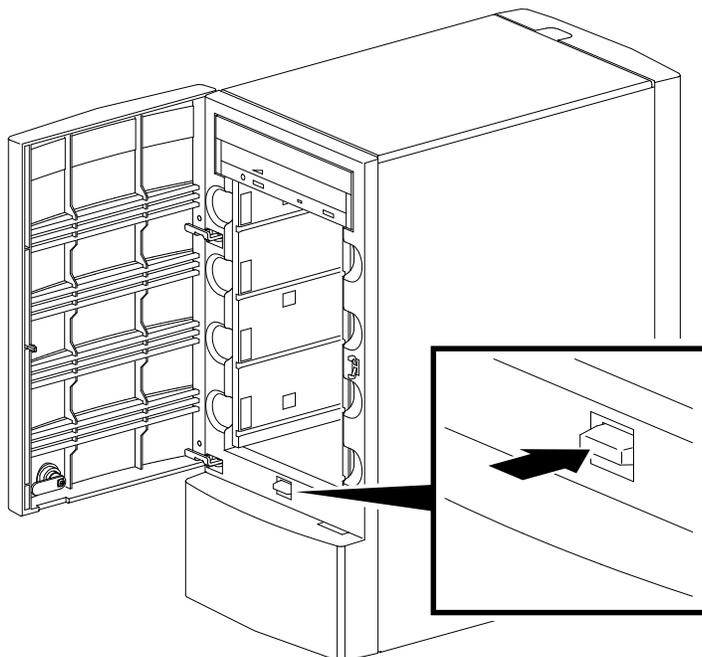
Note: Central Europe powercords are to be used in the following countries: Austria, Belgium, France, German, Holland, Norway, Portugal, Spain, and Sweden.

| Digital P/N | Digital Option Number | Country | Length |
|-------------|-----------------------|------------------------------|--------------|
| 17-00606-02 | BN19P-1K | US,Canada,Japan | 75.0" (2.0m) |
| 17-00310-08 | BN19K-2E | Denmark | 98.4" (2.5m) |
| 17-00457-16 | BN18L-2E | Israel | 98.4" (2.5m) |
| 17-00364-18 | BN19M-2E | Italy | 98.4" (2.5m) |
| 17-00210-13 | BN19E-2E | Switzerland | 98.4" (2.5m) |
| 17-00209-15 | BN19A-2E | UK/Ireland | 98.4" (2.5m) |
| 17-00198-14 | BN19H-2E | Australia/New Zealand | 98.4" (2.5m) |
| 17-00456-04 | BN18V-2E | India | 98.4" (2.5m) |
| 17-00199-21 | BN19C-2E | Central Europe (see note) | 98.4" (2.5m) |

Unlocking Front Door

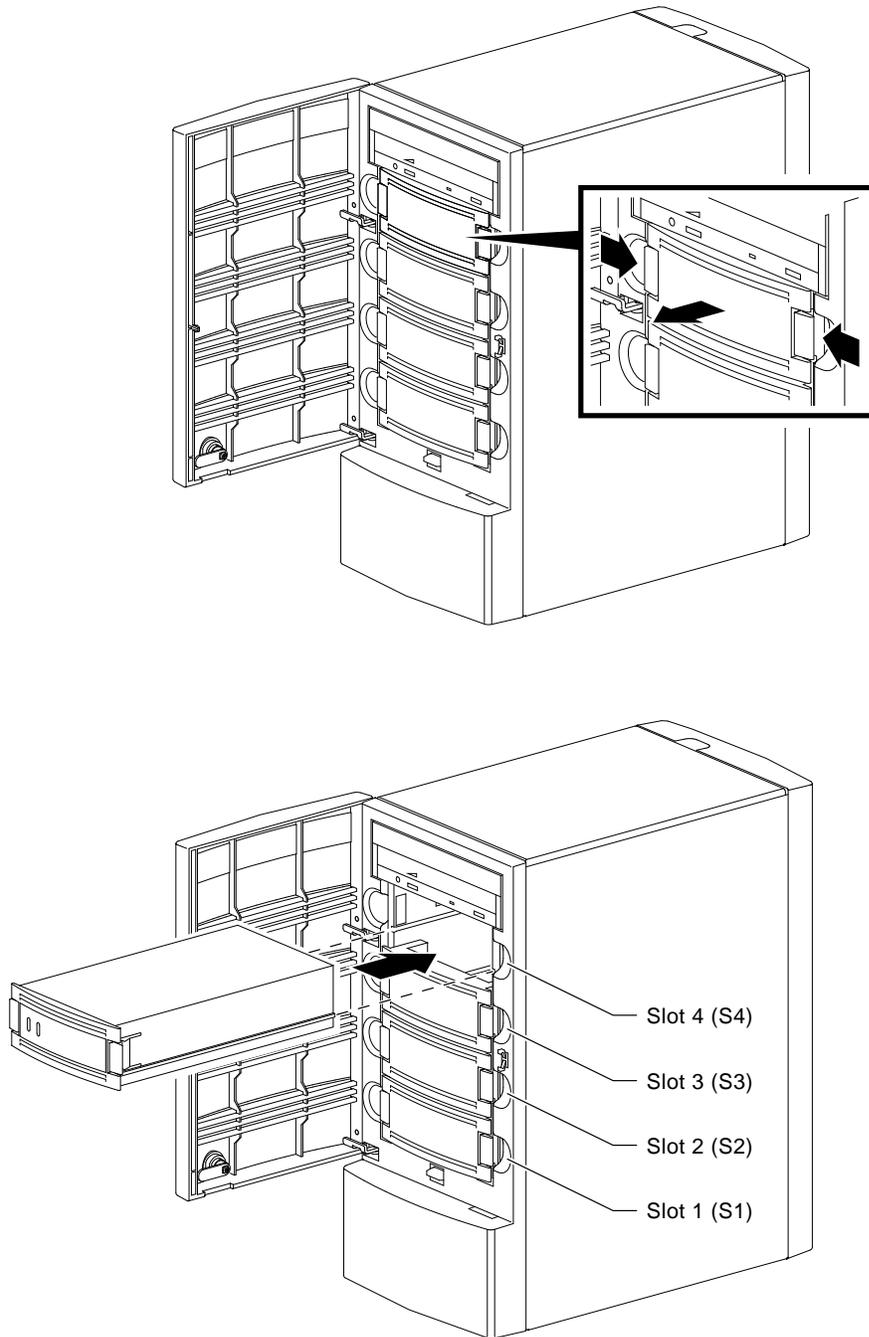


Power Switch Location



Note: When powering up system, drive activity lights will illuminate.

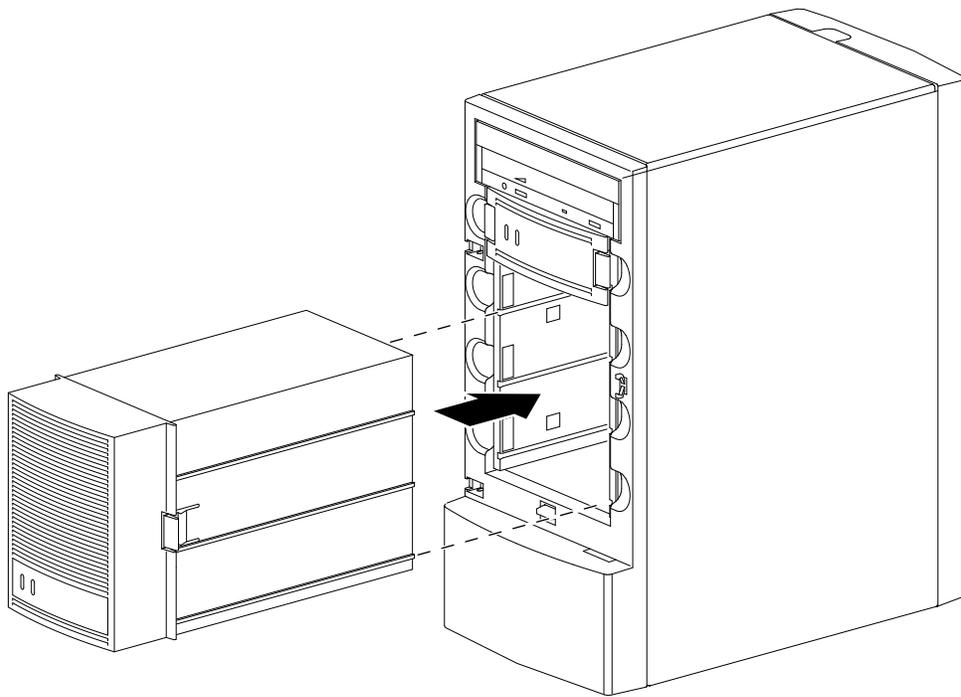
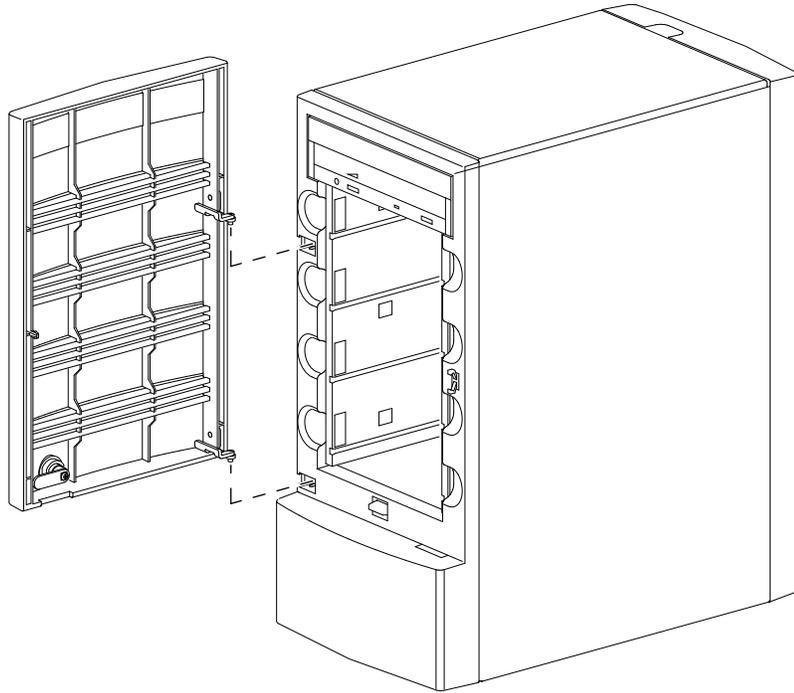
Installing 3.5-Inch SBB



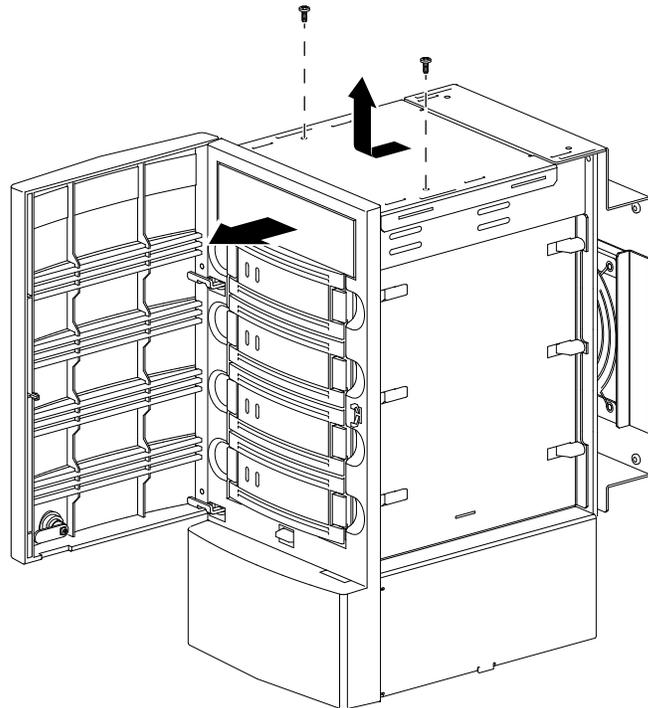
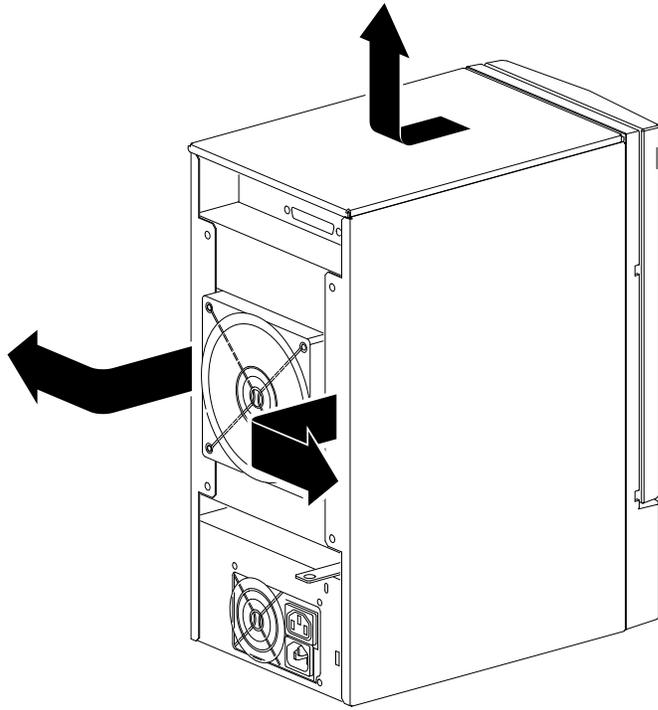
NOTE: BA362 slot designators: The bottom slot is Slot 1 (S1) and the top slot is Slot 2 (S2).

NOTE: Refer to page 21 for BA364 Drive DIP Switch Settings. Refer to page 22 for BA362 Drive DIP Switch Settings.

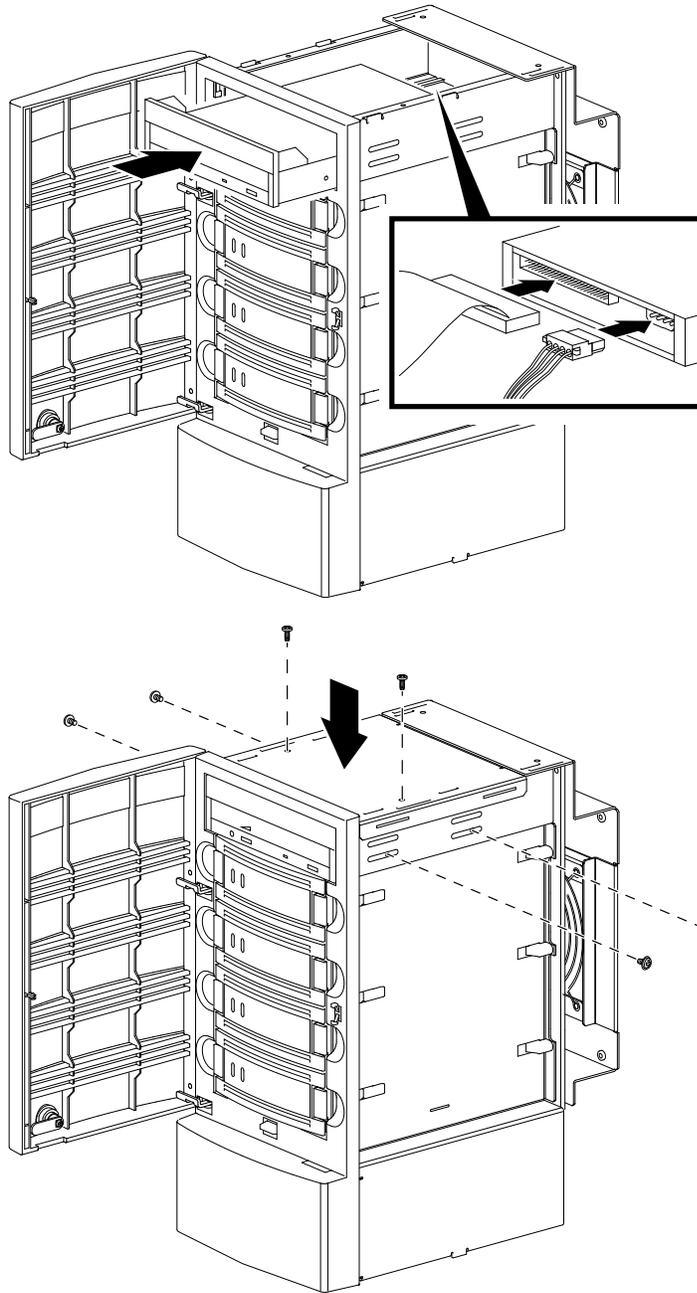
Installing 5.25-Inch SBB



Installing CD ROM Drive



Installing CD ROM Drive (Continued)

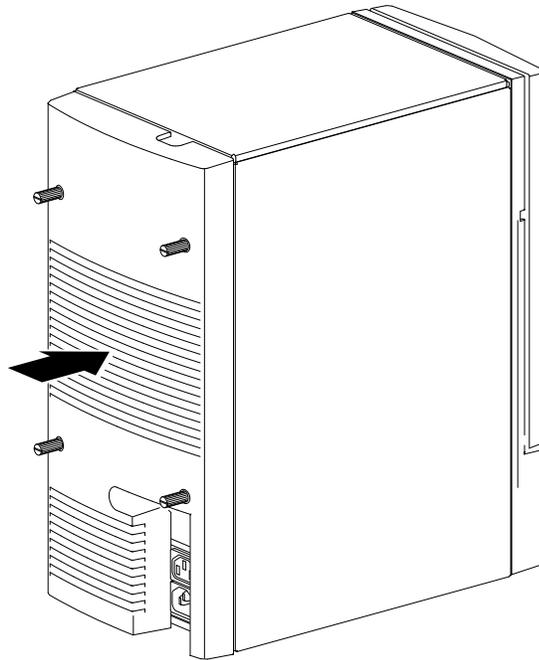
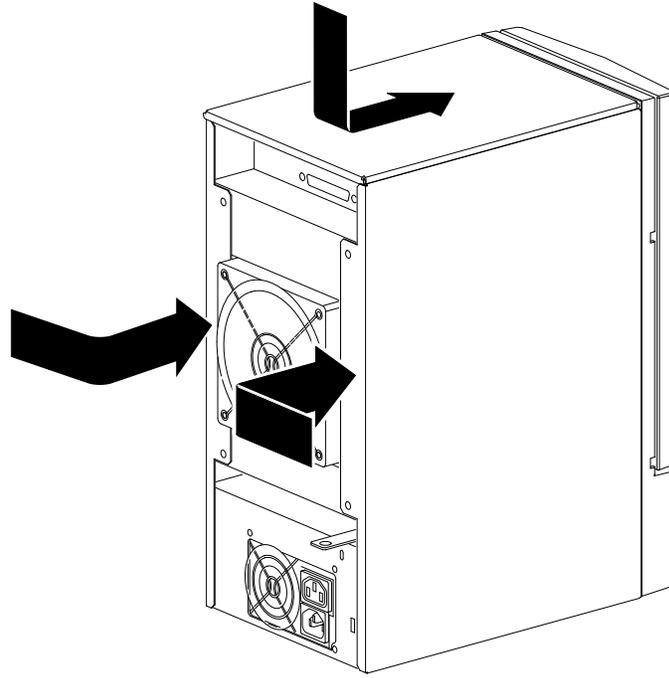


Note: 50 position ribbon cable, (4) CDROM mounting screws, ferrite bead and (2) 6-32 1/4" length screws are placed into a ploy bag and ship with the unit.

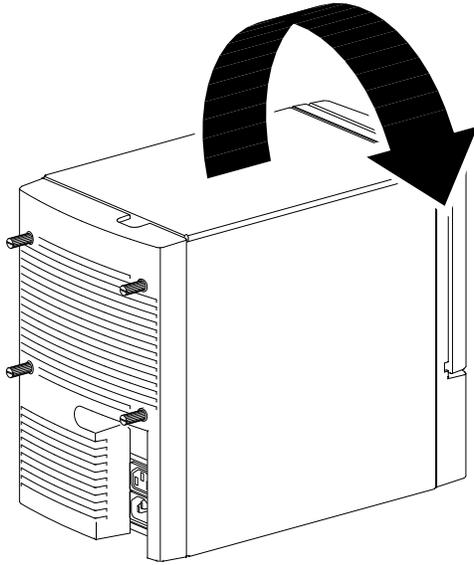
Note: Ferrite bead shall be installed onto headphones for the CDROM near the jack connector.

Note: Remove two existing 6-32 screws from internal top cover and install (2) 6-32 1/4" length screws when installing RRD45-AA in the top slot of the enclosure.

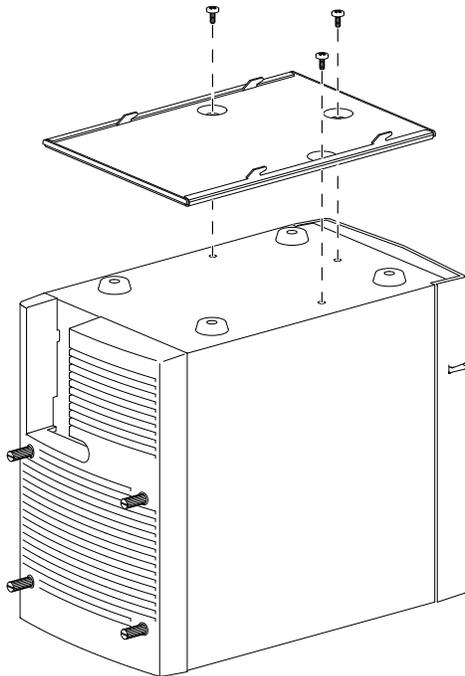
Installing CD ROM Drive (Continued)



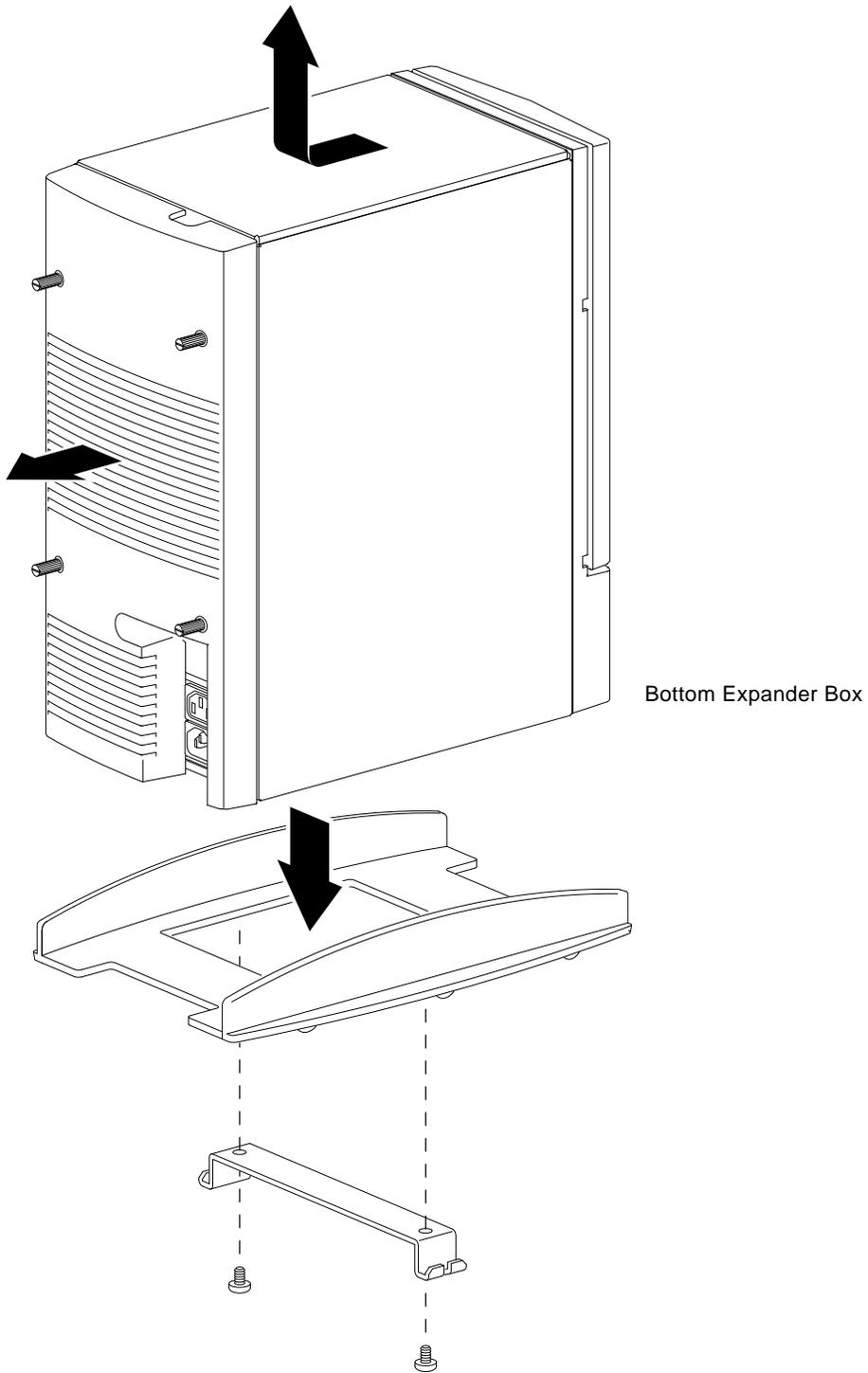
Stacking Units—Preparing Top Expansion Box



Top Expansion Box

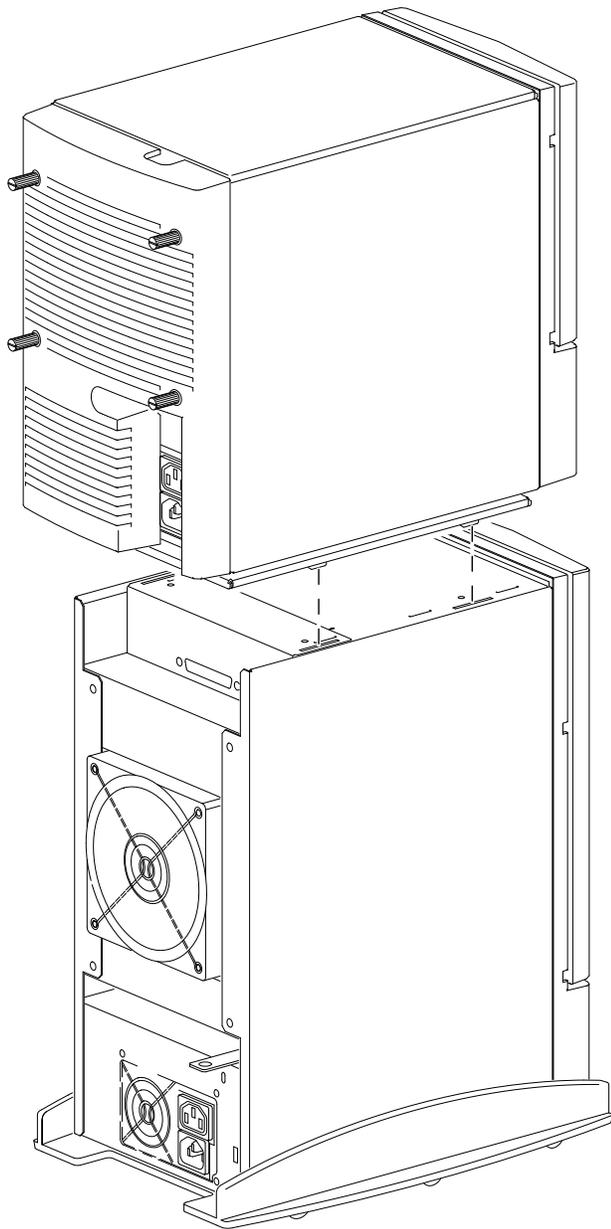


Stacking Units—Preparing Bottom Expansion Box

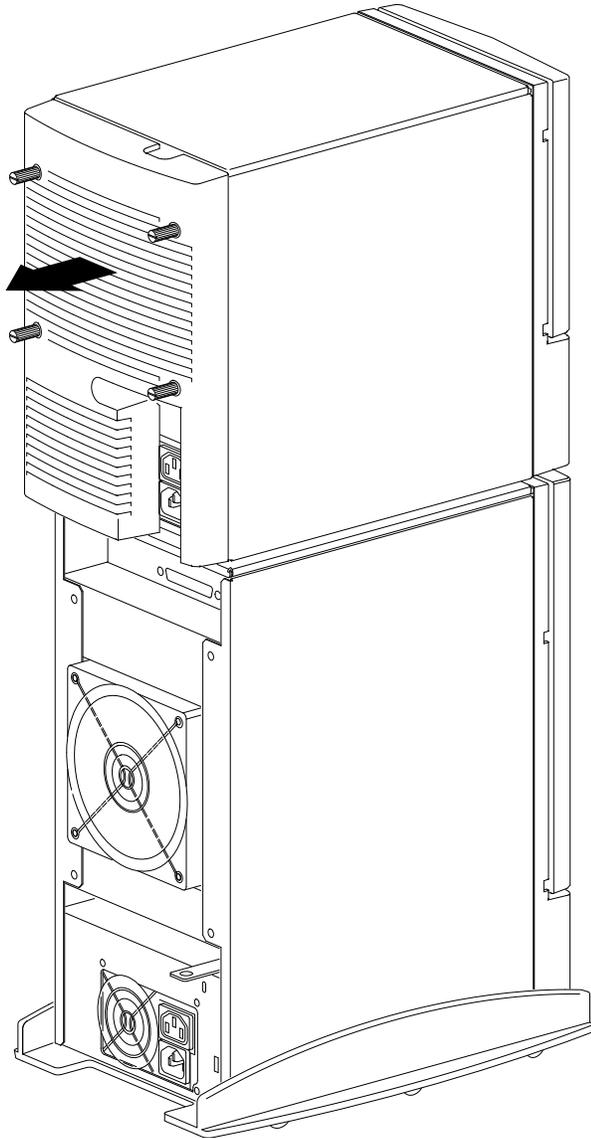


Bottom Expander Box

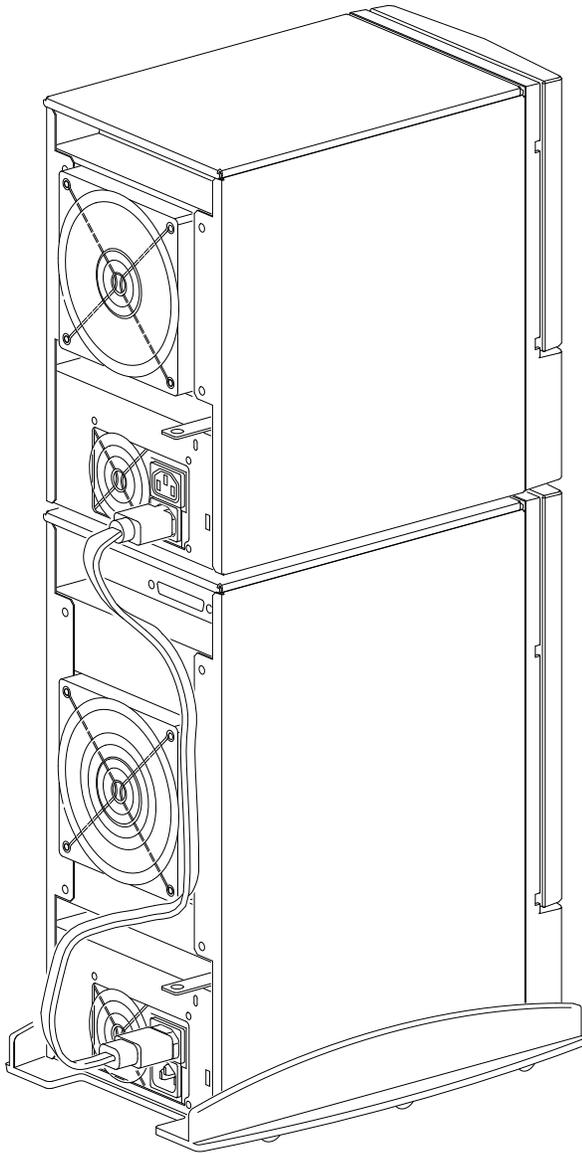
Stacking Units (Continued)



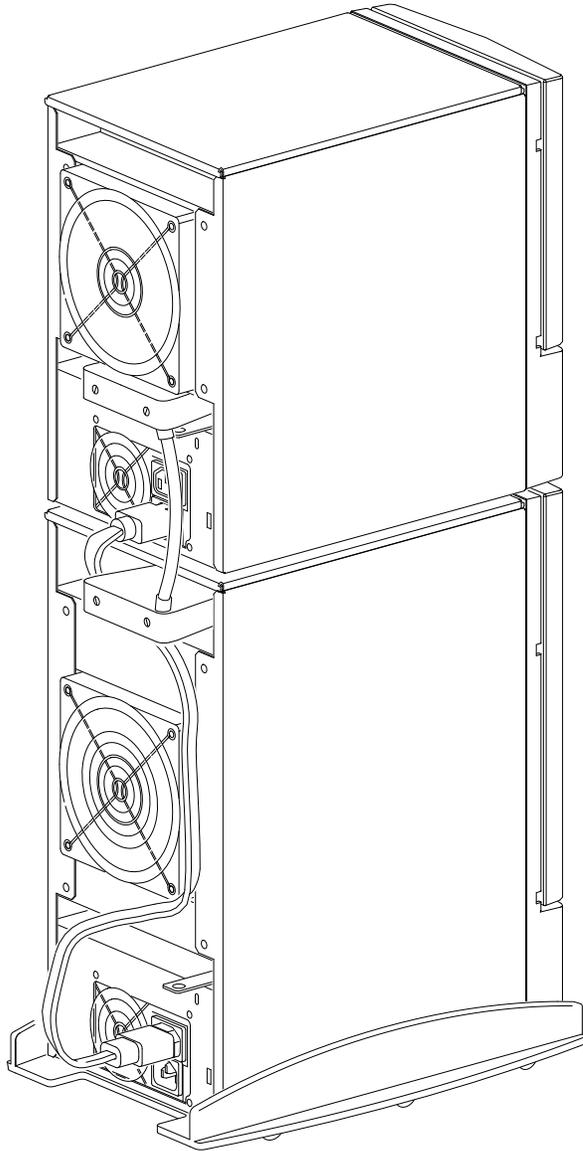
Stacking Units (Continued)



Installing Power Sharing Cable

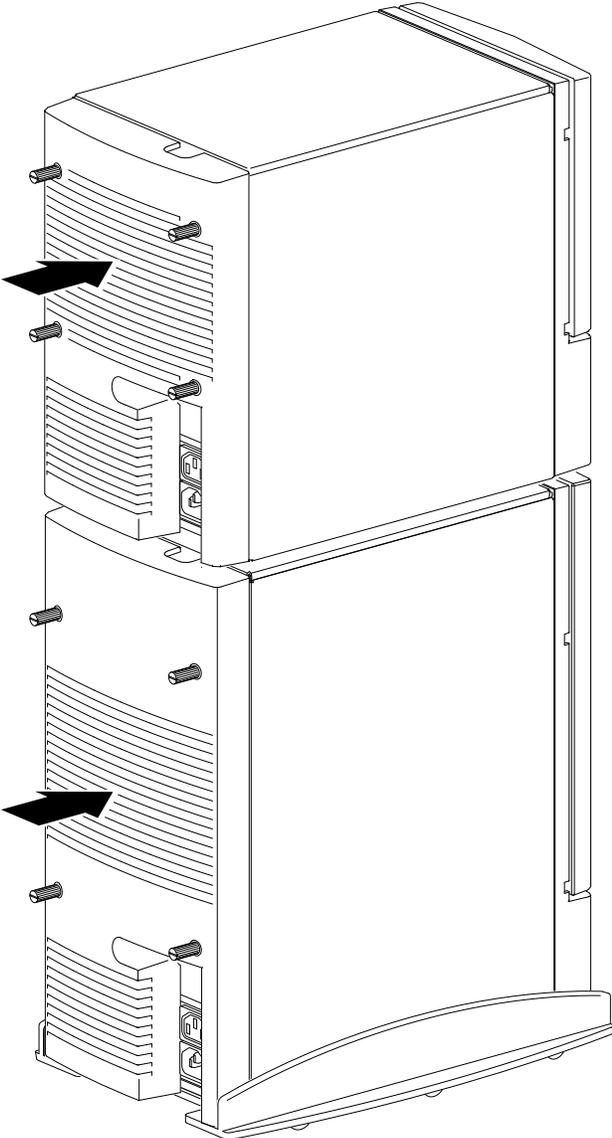


Installing External SCSI Cable



Note: User should set SCSI ID settings so that the top enclosure SCSI ID settings do not conflict with the bottom enclosure.

Re-Installing Bezels



BA364-AA/AB Drive Switch Settings

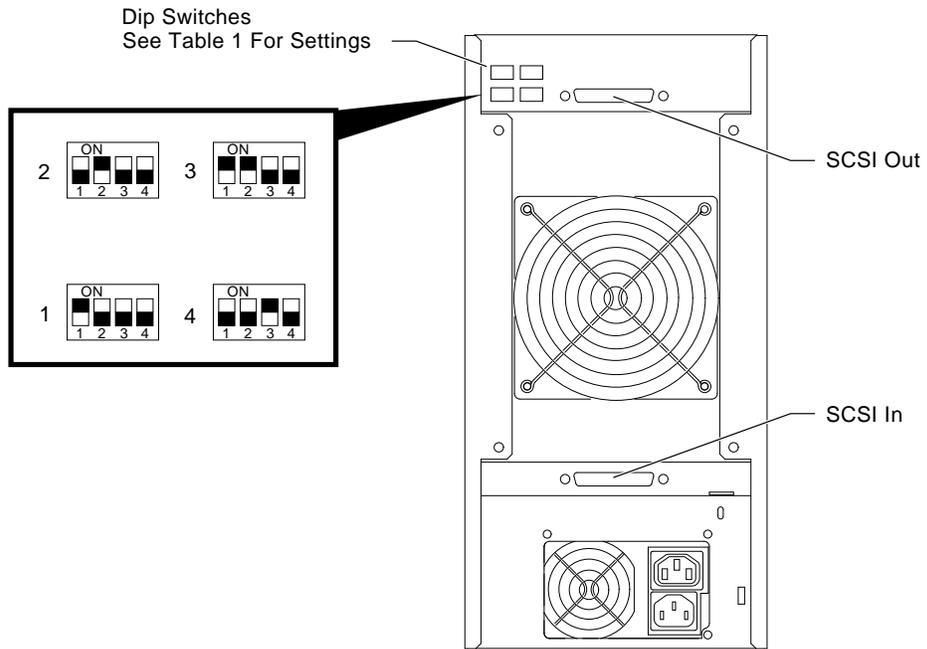


Table 1

| SCSI Unit ID. | SCSI Unit ID. |
|---------------|---------------|
| 0 | 8 |
| 1 | 9 |
| 2 | 10 |
| 3 | 11 |
| 4 | 12 |
| 5 | 13 |
| 6 | 14 |
| 7 | 15 |

BA362-AA/AB Drive Switch Settings

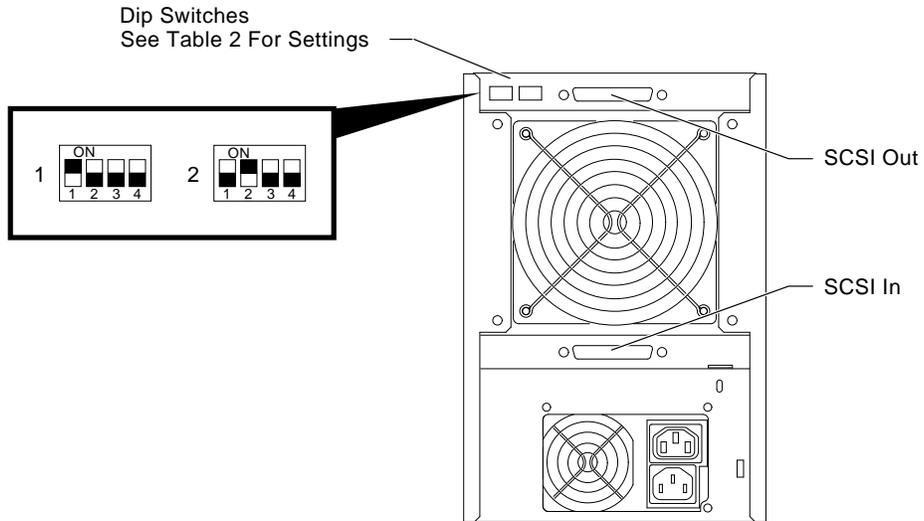
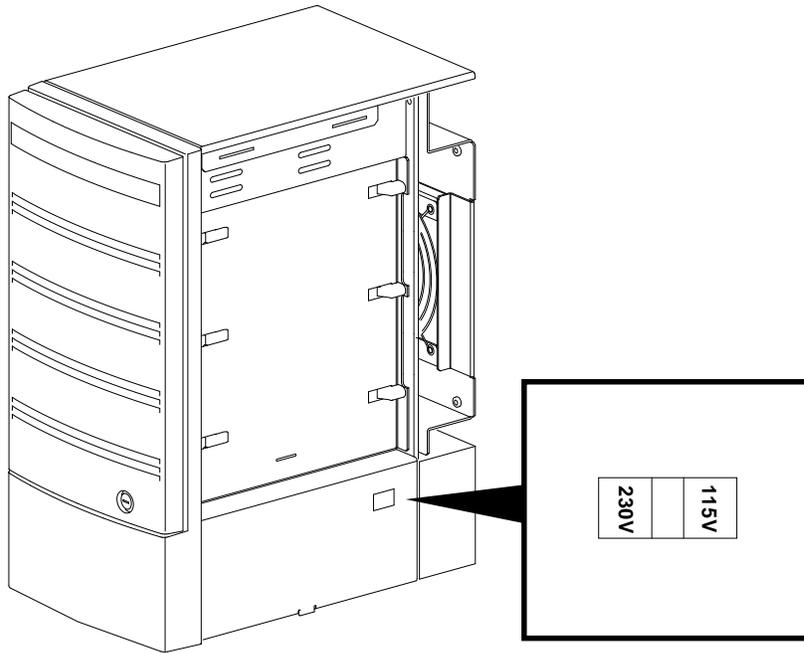


Table 2

| SCSI Unit ID. | SCSI Unit ID. |
|---------------|---------------|
| 0 | 8 |
| 1 | 9 |
| 2 | 10 |
| 3 | 11 |
| 4 | 12 |
| 5 | 13 |
| 6 | 14 |
| 7 | 15 |

Power Select Switch Location



BA364-AA: Factory Set @ 115V
BA364-AB: Factory Set @ 230V
BA362-AA: Factory Set @ 115V
BA362-AB: Factory Set @ 230V