

H9A15 M-Series Cabinet Illustrated Parts Breakdown

Order Number: EK-H9A15-IP. B01

Compaq Computer Corporation
Maynard, Massachusetts

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ILLUSTRATED PARTS BREAKDOWN

H9A15 M-Series Cabinet

ILLUSTRATED PARTS BREAKDOWN (IPB)

The IPB is used to identify a part and its location in a hardware product. The document references specific item numbers in the associated parts list.

HOW TO USE THE IPB

1. Locate the figure containing the item of interest.
2. Locate the number (callout) of the item of interest.
3. Locate that item number in the associated parts list.

FORMAT

Each IPB is generally organized based on its first figure. All other assemblies and subassemblies are referenced from this figure. Each figure contains numeric callouts of all major parts (items).

PARTS LIST

Each parts list contains the following:

Figure and Item No. - Lists the figure number and its referenced numeric callout

Description - Presents the name and a brief description of the item. A single asterisk (*) preceding the description denotes item is a

subassembly to its referenced figure. A double asterisk (**) preceding the description indicates that this item is subordinate to the preceding single asterisk item.

DIGITAL Part No. - Lists the DIGITAL/Vendor part number. The letter in the column heading indicates the current revision level of the Engineering Drawing for the referenced figure.

ECO Cut-In - Lists the top assembly drawing number and revision level at first printing. All additional revisions to an item are listed in this column.

Used On Code - Lists letters referring to the product variation assigned in Figure 1. When this column is blank, the item is used in all variations.

Ref Fig No. - Lists a cross reference between figures within the IPB.

PART NUMBER/PART DESCRIPTION INDEX SECTION

Lists items by part number numerically, and description alphabetically. Items are also referenced to a location within the IPB by figure and item number.

ECO/REVISION HISTORY

OTHER IPB MANUALS REFERENCED

FIGURE NO.	ASSEMBLY	INITIAL LEVEL	CURRENT LEVEL	PRINTING DATE	OTHER IPB MANUALS REFERENCED
1	H9A15-3	00000	00003	January 1999	EK-H7601-IP
2	H9A15-2	00000	00001		
3	Mounting Kits				
4	AlphaServer 4000 AlphaServer 4100 Mounting & Cabling				
5	AlphaServer 1200 & AlphaServer DS20 Mounting & Cabling				
6	AlphaServer 800 Mounting & Cabling				

  INDICATES FRU LEVEL PARTS.

PARTS LIST 

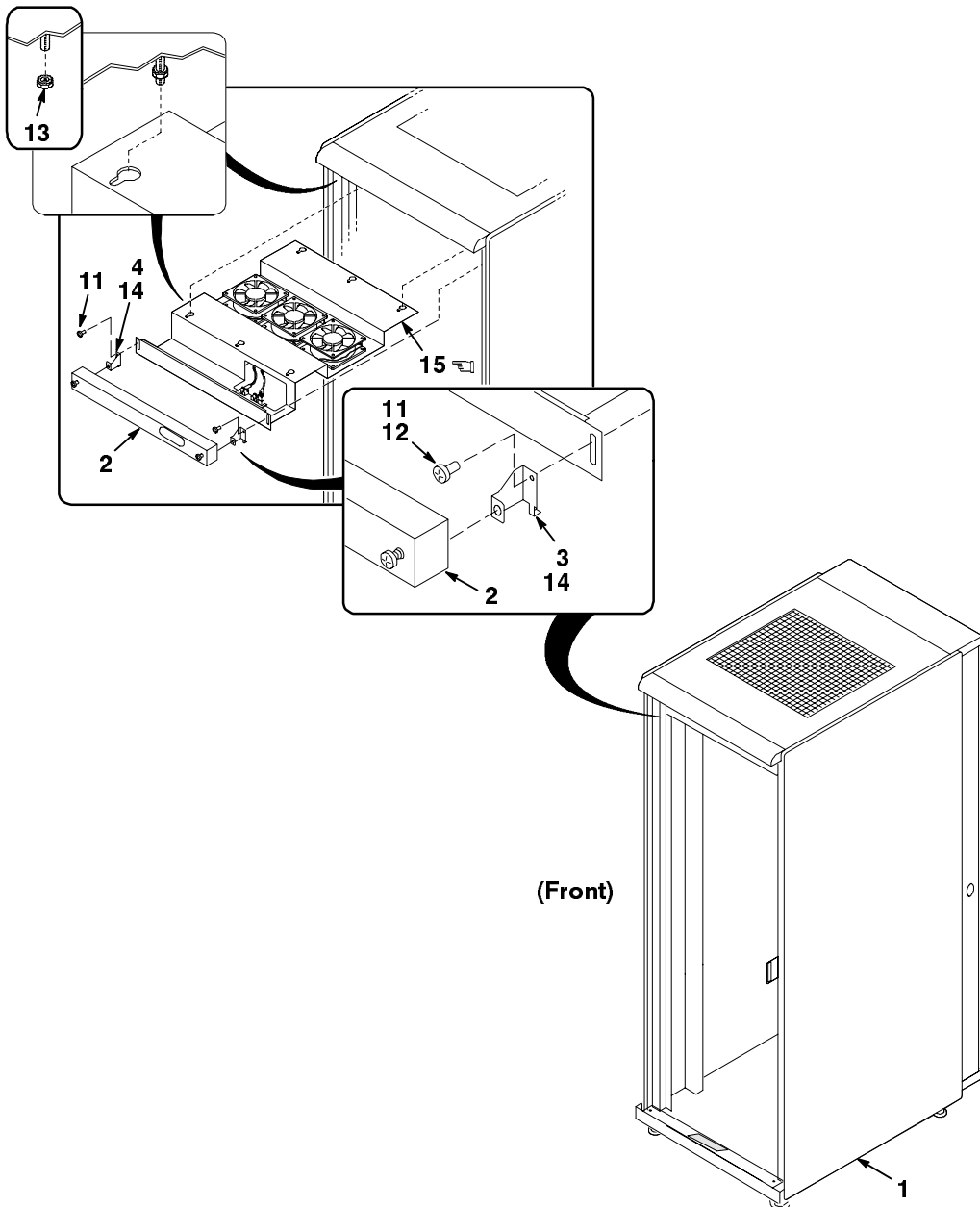
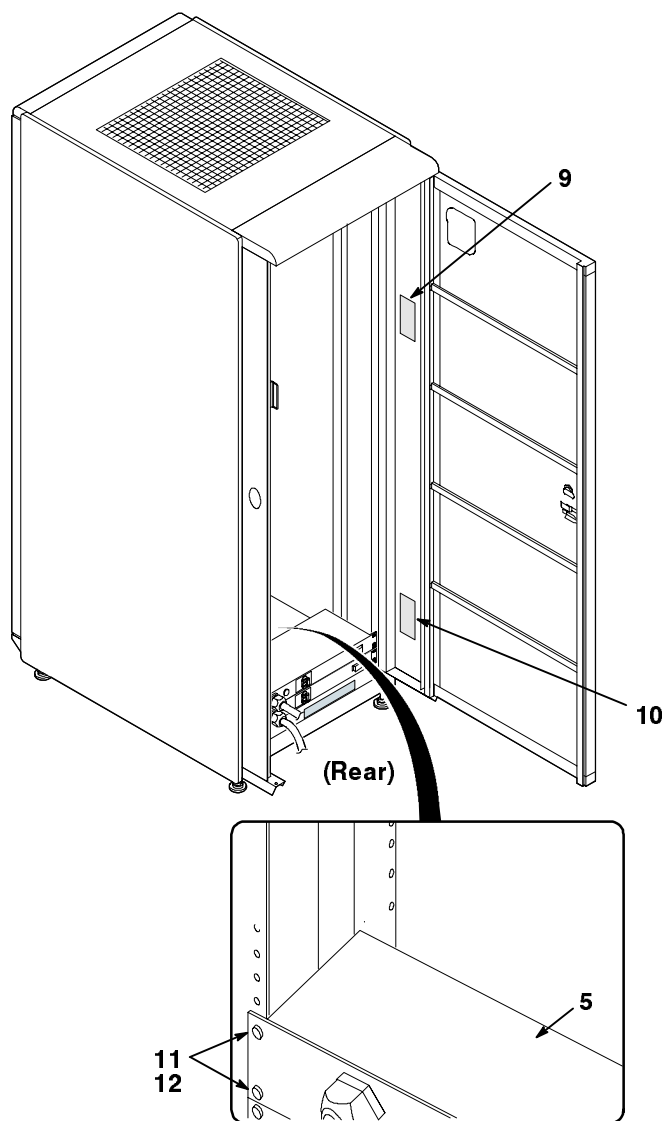


Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 1 of 8)

IP-00385-01

INDICATES FRU LEVEL PARTS.

PARTS LIST



IP-00387-01

Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 2 of 8)

H9A10/H9A15 MARQUEE CABINETS - AC INPUT RULES

Some system boxes can have up to three power supplies. Where multiple power cords come from the same system box, they should be plugged into the same H7600-XX assembly.

H7600-AA has its outlets segmented for over-current protection. J1, J2, J3 are protected by one pole of the circuit breaker and J4, J5 are protected by the other side of the same circuit breaker. Multiple power cords from the same system box should be plugged into the same segment of outlets.

H7600-DB has all its outlets protected by the same circuit breaker where one pole breaks phase and the other breaks neutral. It makes no difference which outlets receive which power cords, but attention should still be paid to having all power cords from the same system box go to the same H7600-DB.

Up to six AS800 system boxes can appear in a cabinet. For H7600-AA, plug two system boxes into the J4, J5 segment with a third system box, fan tray and any two storage shelves into the J1, J2, J3 segment. Repeat for the second H7600-AA as needed. For H7600-DB, split the system boxes evenly (up to three for each H7600-DB) and do likewise for any other storage shelves.

Storage shelves with two power supplies should be treated just like a shelf with a single supply. Both power cords from the same shelf should be plugged into the same H7600 and same segment for H7600-AA. These power supplies are for redundancy, so their total AC current will be the same as if a single supply were present. They may not share loading well, so the split in AC-input current will be unequal between them. This could cause problems unless treated as above.

The number of available outlets may be extended with up to four H7601-AA or up to two H7601-AB Power Strip Assemblies, to facilitate redundant power supplies for the maximum number of storage shelves. Cabinet loading is not increased and ratings are not affected. Placement of AC power cords becomes critical to avoid nuisance trips of H7600 circuit breakers. See Figure 1 and Figure 2 for power cord diagrams.

These rules assume no UPS unit is present and will change when UPSs are qualified for use within MARQUEE cabinets.

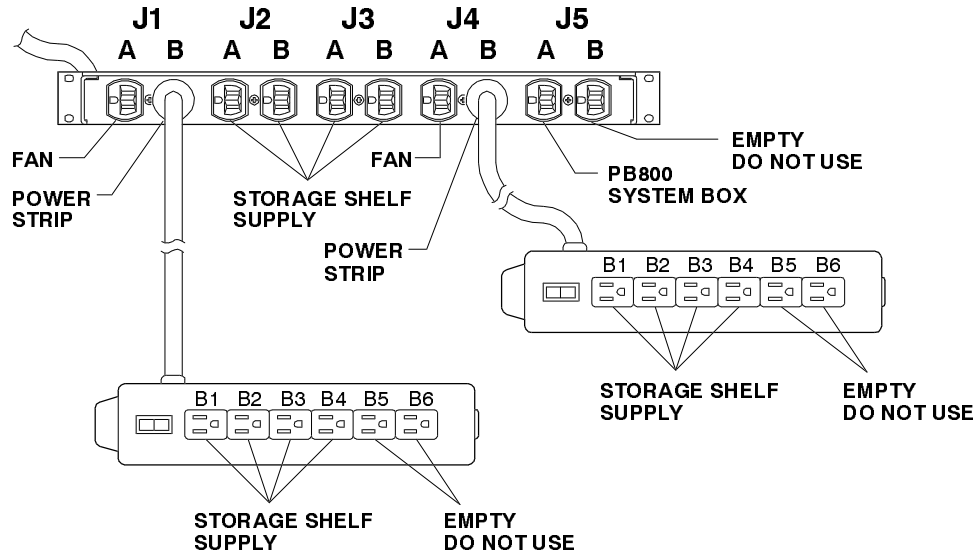
Raid Array products are designed for cross plugging where UPS units, either internal or external to the cabinet, provide AC power to each side. For BA370, cross plugging requires H7600-DB's and 240V~ service for Japan.

For high availability configurations (clusters), see "Marquee Cabinet AC Power Wiring Rules" at <http://www.digital.com/alphaserver/products/m-series.html>

MODEL	VAC	Hz	POWER CORD AMP
H9A15-MA, -MC w/H7600-AA	100-120VAC	50-60Hz	20A Each Power Cord
H9A15-MB, -MD w/H7600-DB	220-240VAC	50-60HZ	9A Each Power Cord

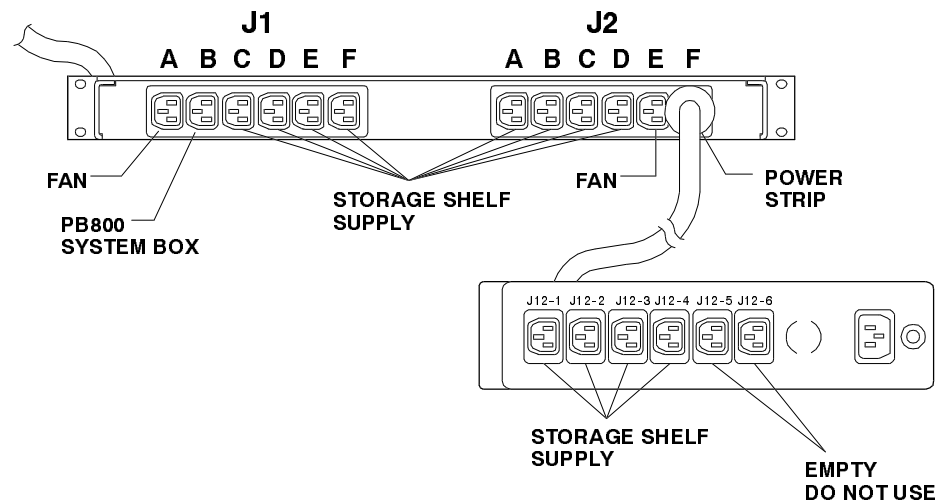
Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 3 of 8)

FIGURE 1. H7600-AA PLUG CONFIGURATIONS



H7600-AA (100-120VAC) w/H7601-AA POWER STRIP ASSEMBLY
REPEAT ON SECOND H7600-AA AS NEEDED

FIGURE 2. H7600-DB PLUG CONFIGURATIONS

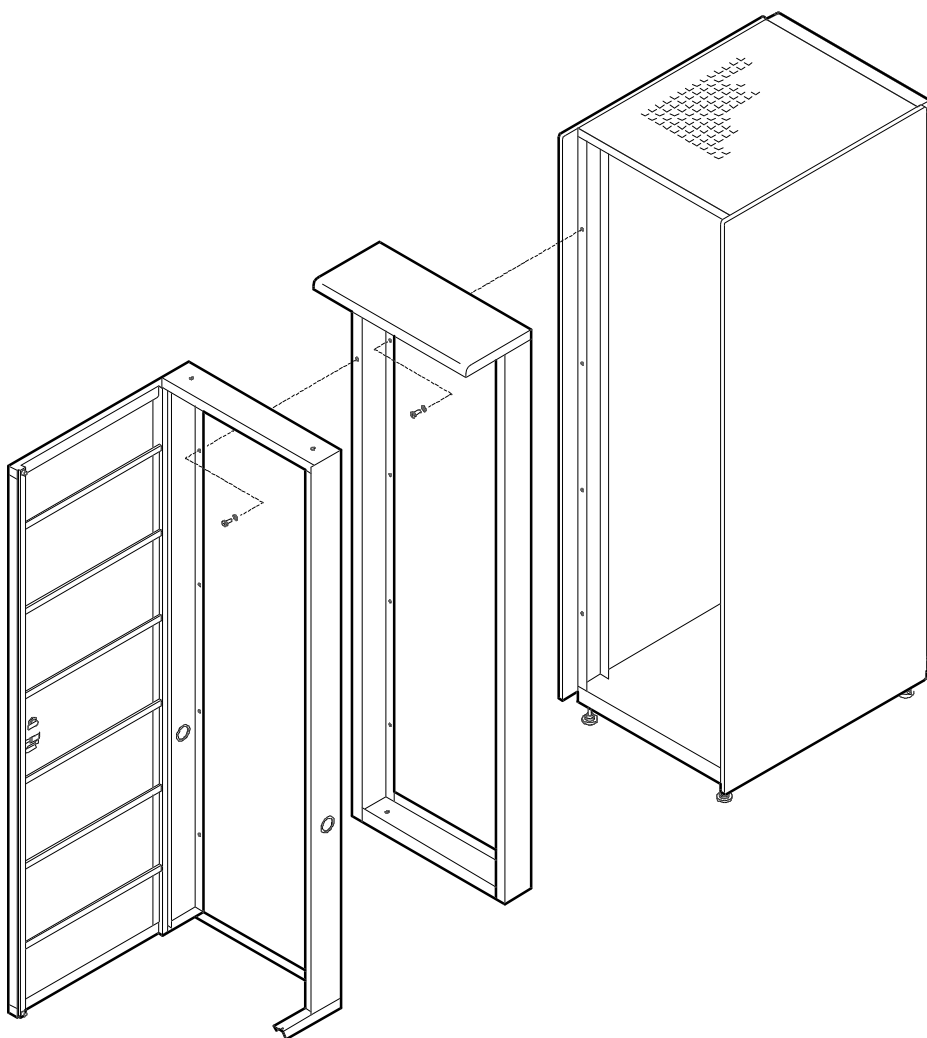


H7600-DB (220-240VAC) w/H7601-AB POWER STRIP ASSEMBLY
REPEAT ON SECOND H7600-DB AS NEEDED

Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 4 of 8)

  INDICATES FRU LEVEL PARTS.

PARTS LIST 

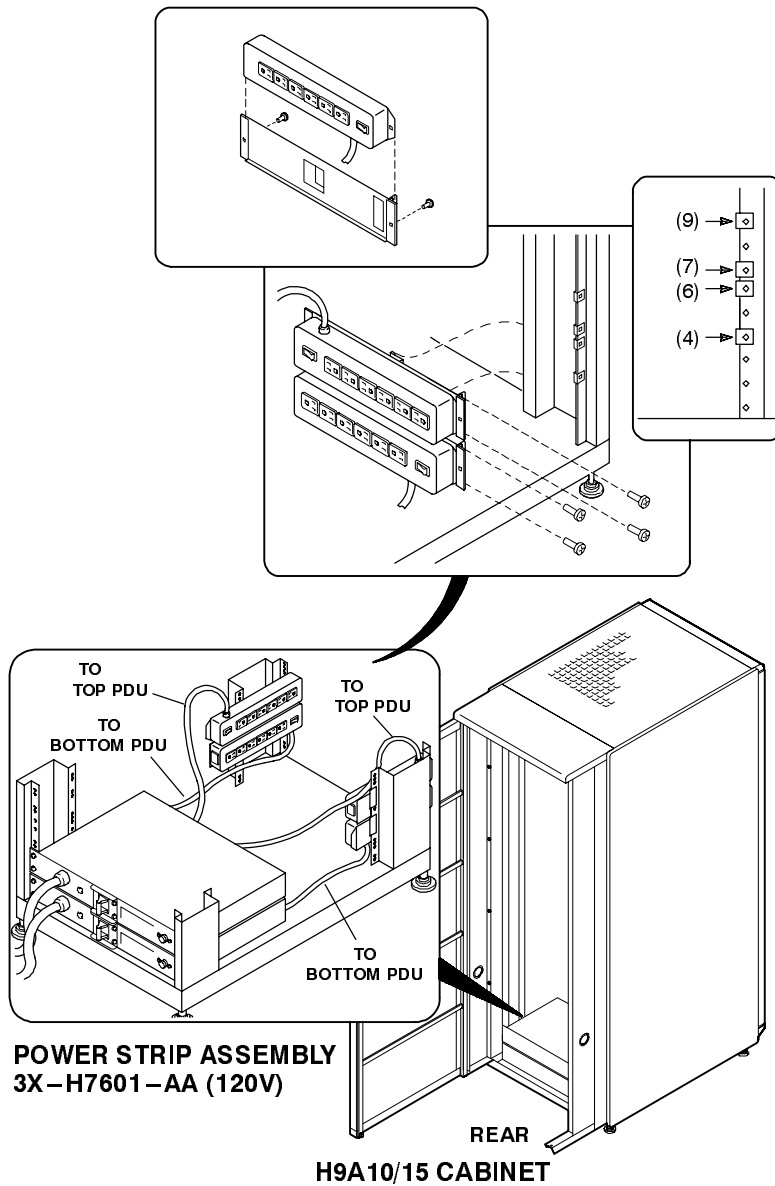


CABINET REAR EXTENDER KIT
H9C15 – NE (GRAY)
H9C15 – TE (BLUE)

IP-H9A15-3-17

Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 5 of 8)

PARTS LIST

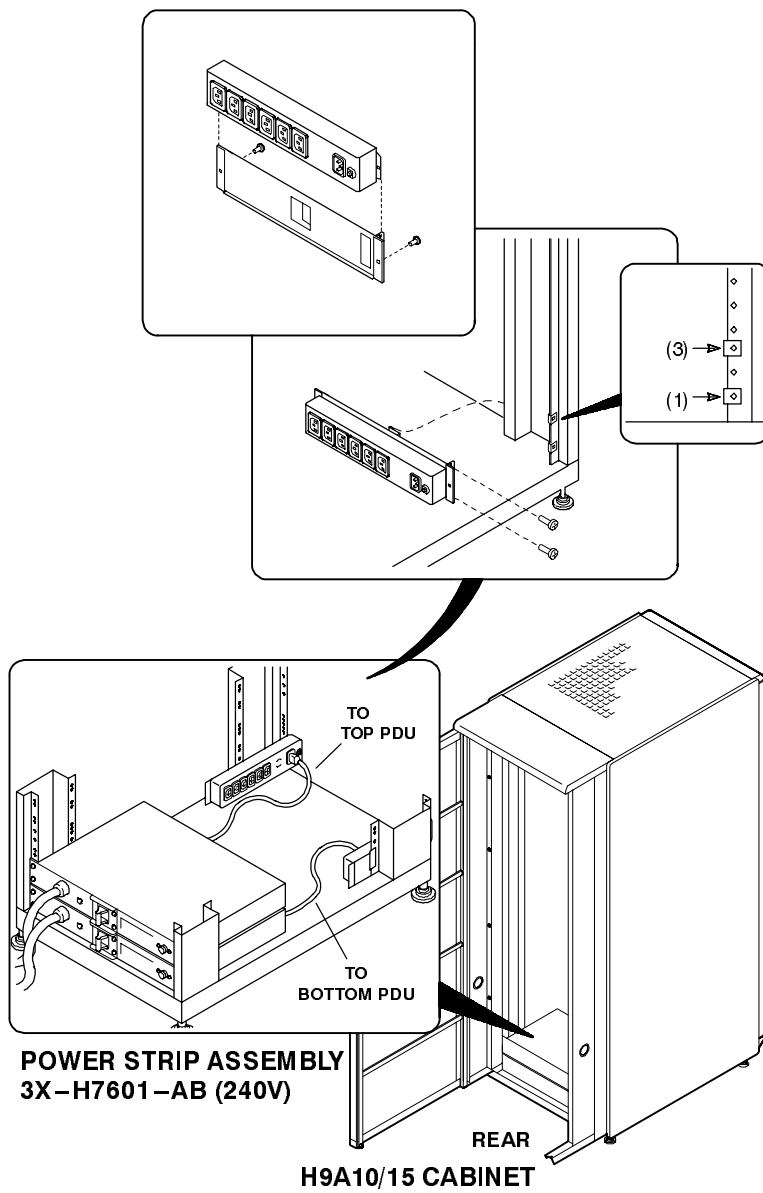


REF. M-Series Power Strip Kit Illustrated Parts Breakdown
EK-H7601-IP

IP-H7601-03

Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 6 of 8)

PARTS LIST



REF. M-Series Power Strip Kit Illustrated Parts Breakdown
EK-H7601-IP

IP-H7601-04

Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 7 of 8)

PARTS LIST

REAR FILLER PANELS - Mandatory On Cabs With Trim Kits					
Order Number	Color	Height (U's)	Order Number	Color	Height (U's)
H3401-AB	Gray	1U	H3401-BB	Blue	1U
H3401-AC	Gray	2U	H3401-BC	Blue	2U
H3401-AD	Gray	3U	H3401-BD	Blue	3U
H3401-AE	Gray	4U	H3401-BE	Blue	4U
H3401-AF	Gray	5U	H3401-BF	Blue	5U
H3401-AG	Gray	6U	H3401-BG	Blue	6U
<p>NOTE: Rear Filler Panels Are Only Required With Configurations That Call For Rear Flushing Fan(s).</p> <p>The Rear Flushing Fans Are Used Only When More Than 6 Storage Boxes Are Installed.</p>					

H9A10/H9A15 M-SERIES CABINETS COMPONENT HEIGHTS	
Component	Height (U's)
AlphaServer 800 System Box	5+U
AlphaServer 1200 System Box	11U
AlphaServer DS20 System Box	11U
AlphaServer 4X00 System Box	8U
Flushing Fan	4U
Memory Channel	5U
Power Distribution Unit	1U
Power Strip	1.5U
RAID Array 3000 Controller	4U
RAID Array 7000 (BA370)	19U
Storage Shelf	4U
Tape Library	4U
Top Fan	1U
UPS	2U

Figure 1. H9A15 M-Series Cabinet Assembly (Sheet 8 of 8)

FIG.& ITEM NO.	DESCRIPTION	DIGITAL PART NO.	ECO CUT-IN H9A15-3 00003	USED ON CODE	REF FIG NO.
1- A	CABINET ASSEMBLY, 2.0M, GRAY (120V)	H9A15-MA		A	
B	CABINET ASSEMBLY, 2.0M, GRAY (240V)	H9A15-MB		B	
C	CABINET ASSEMBLY, 2.0M, BLUE (120V)	H9A15-MC		C	
D	CABINET ASSEMBLY, 2.0M, BLUE (240V)	H9A15-MD		D	
1	*CABINET, REAR DOOR, GRAY	H9A15-NA		AB	2
	*CABINET, REAR DOOR, BLUE	H9A15-TA		CD	2
2	*Bezel Assembly, Front , Gray	70-33710-01		AB	
	*Bezel Assembly, Front, Blue	70-33710-02		CD	
3	*Bracket, Front Bezel, Right Hand	74-53317-01			
4	*Bracket, Front Bezel, Left Hand	74-53317-02			
5	*Power Controller Strip (100-120V)	H7600-AA		AC	
	*Power Distribution Unit (200-240V)	H7600-DB		BD	
6	*Documentation, H9A10/H9A15 Cabinet Service Access Advisory (Not Shown)	EK-MARQE-CN			
7	*Power Cord 125V (Not Shown)	17-00606-04		AC	
8	*Cable Assembly, Jumper, 10 Ft. (Not Shown)	17-00365-01		BD	
9	*Label, "Regulatory" (U.S.)	36-41348-88			
	*Label, "Regulatory" (U.K.)	36-41348-91			
	*Label, "Regulatory" (Singapore)	36-41348-92			
10	*Label, "Warning High Leakage Current"	36-22516-01			
11	*Screw, Truss Hd 10-32 x 1/2	90-00063-39			
12	*Nut, U-Nut 10-32	90-07786-01			
13	*Nut, Kep M5	90-40148-02			
14	*Fastener, Clip On	90-11195-01			
15	*Fan Tray, Cabinet	70-32032-01			
	H9A15 M-SERIES KITS and MISC. PARTS				
	AlphaServer 4000/4100 Rack Mount Kit (U.S. and Asia Pacific)	CK-BA30A-BA			
	Power Cord (4.5M)	2T-00083-51			
	AlphaServer 4000/4100 Rack Mount Kit (Europe)	CK-BA30A-BB			
	Power Cord (4.5M)	2T-04522-02			
	AlphaServer 1200 Rack Mount Kit (Gray)	2T-R1200-AA			
	AlphaServer 1200 Rack Mount Kit (Blue)	2T-R1200-AB			
	Power Cord (4.5M) (U.S.)	2T-00083-51			
	Power Cord (4.5M) (Non-U.S.)	BN35S-4E			
	AlphaServer 800 Rack Mount Kit	PB8HA-BA			
	Power Cord (4.5M) (U.S.)	BN20Z-4E			
	Power Cord (4.5M) (Non-U.S.)	BN35S-4E			
	DLT MiniLibrary Base Module (Blue)	DS-TL891-NE			
	DLT MiniLibrary Base Module (Gray)	DS-TL891-NG			
	RAID Array 3000 (120V)	DS-SWXRA-GH			
	RAID Array 3000 (230V)	DS-SWXRA-GK			
	RAID Array 7000 (Rear Mount)	2T-BA370-AR			
	RAID Array 7000 (w/Front Slide Kit)	2T-BA370-AS			

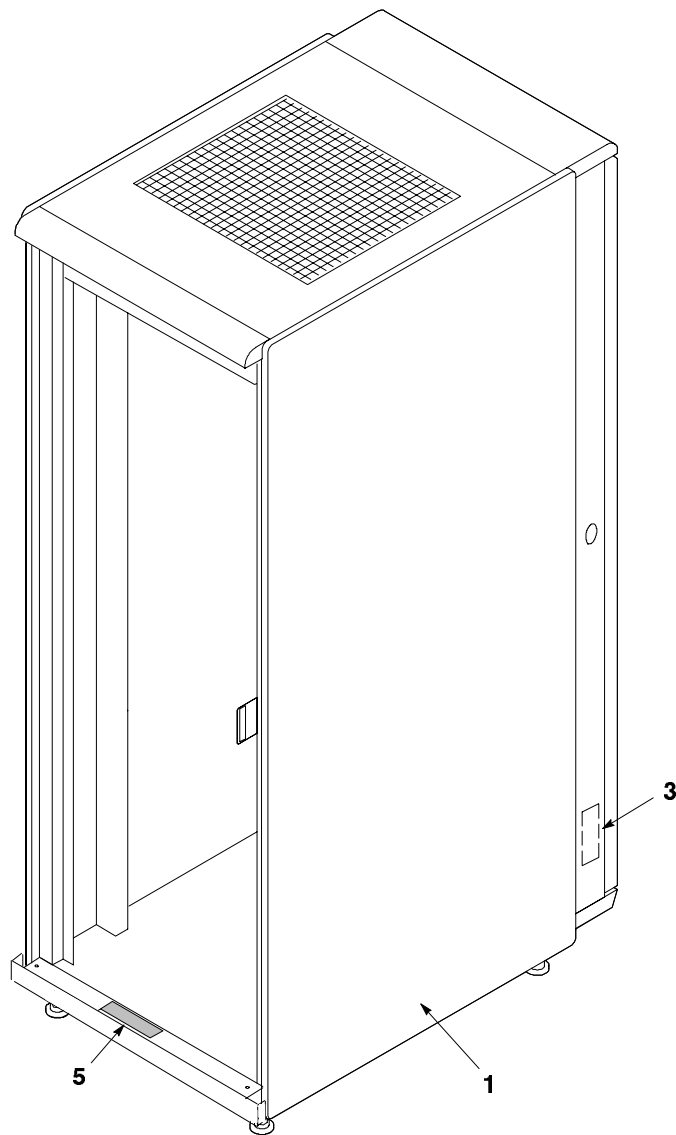
FIG.& ITEM NO.	DESCRIPTION	DIGITAL PART NO. ^C	ECO CUT-IN H9A15-3 00003	USED ON CODE	REF FIG NO.
1-	H9A15 M-SERIES KITS & MISC. PARTS				
	Ballast Kit	H9C10-MC			
	Blank Bezel Installation Kit NOTE: Front Bezels are optional when a Front Door is used and are recommended with a trim kit.	2T-BEZEL			
	Extender Kit, Cabinet Rear (Gray) Extender Kit, Cabinet Rear (Blue)	H9C15-NE H9C15-TE			
	Flushing Fan Kits (Rear) (120V) Flushing Fan Kits (Rear) (240V)	2T-SW8XF-SR 2T-SW8XF-ER			
	Front Door Kit (Gray) Front Door Kit (Blue)	H9C15-NF H9C15-TF			
	Front Trim Kit (Gray) Front Trim Kit (Blue)	H9C15-NT H9C15-TT			
	Joiner Kit	H9C15-JD			
	Memory Channel HUB Rack Mount Kit	CCMRA-AA			
	Power Strip Assembly (120V) Power Strip Assembly (240V)	3X-H7601-AA 3X-H7601-AB			
	POWER CORD SUBSTITUTION				
	For CK-BA35R-MR Storme Box Power Cord, 250V (108 Inch) can be substituted for	17-00083-04			
	Power Cord, 125V (75 Inch)	17-00083-09			
	Power Cord, 125V (108 Inch) can be substituted for	17-00083-05			
	Power Cord, 125V (75 Inch)	17-00083-10			
	For CK-BA35X-HH/HF Redundant Power Supl. Power Cord, 125V (120 Inch) can be substituted for	17-00606-04			
	Power Cord, 125V (75 Inch)	17-00606-02			

 INDICATES FRU LEVEL PARTS.

PARTS LIST



(Front)

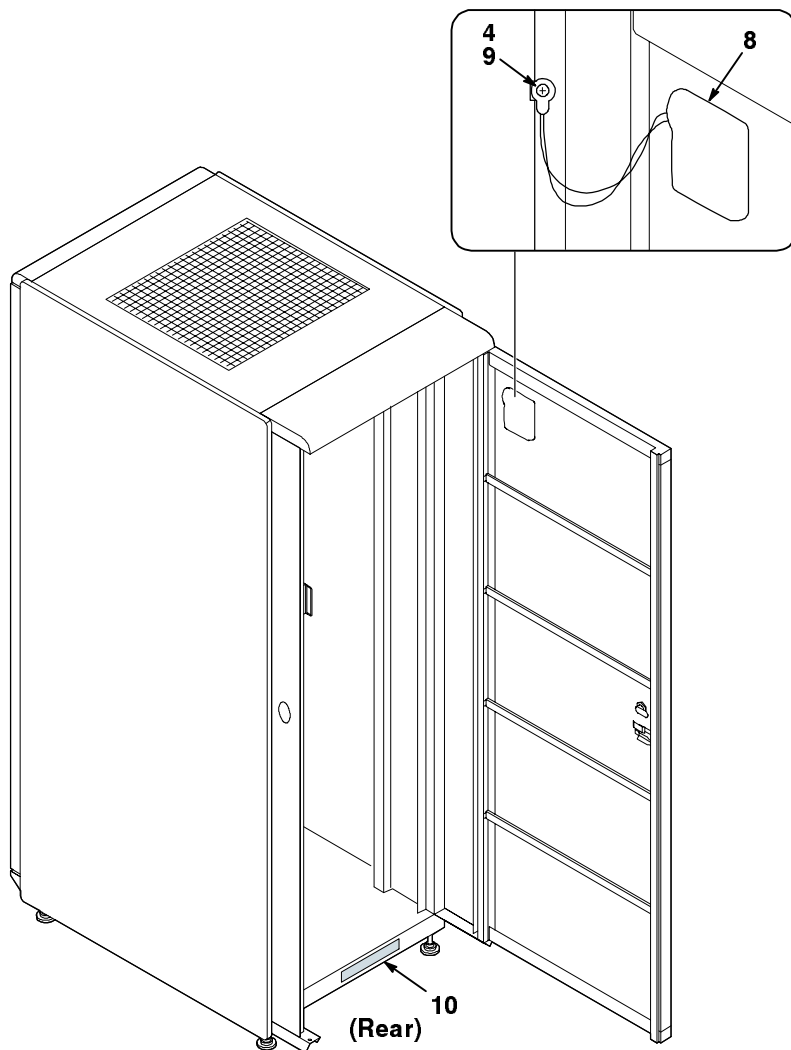


IP-00386-01

Figure 2. H9A15-NA/TA Cabinet (Sheet 1 of 2)

  INDICATES FRU LEVEL PARTS.

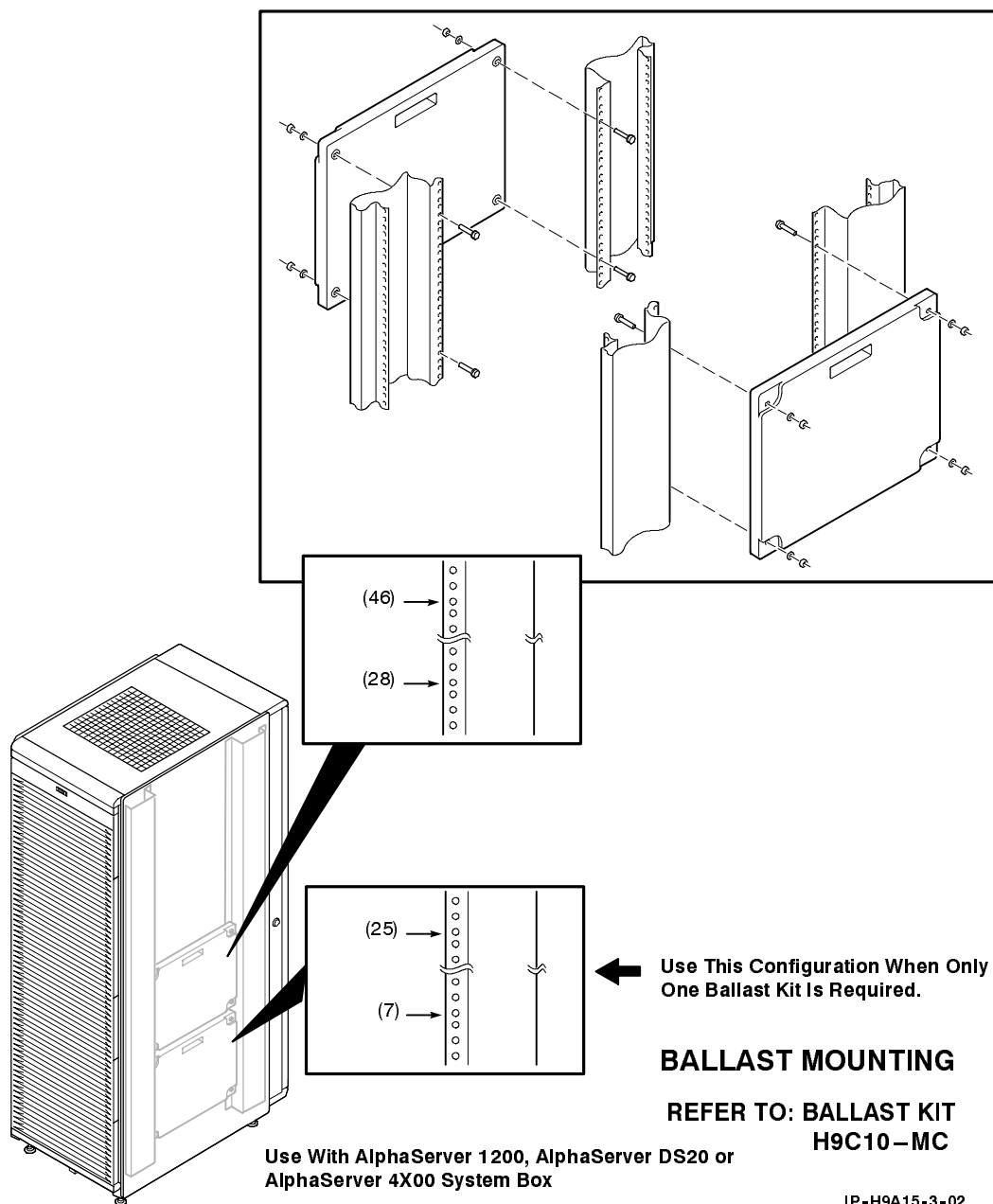
PARTS LIST 



IP-00387A-01

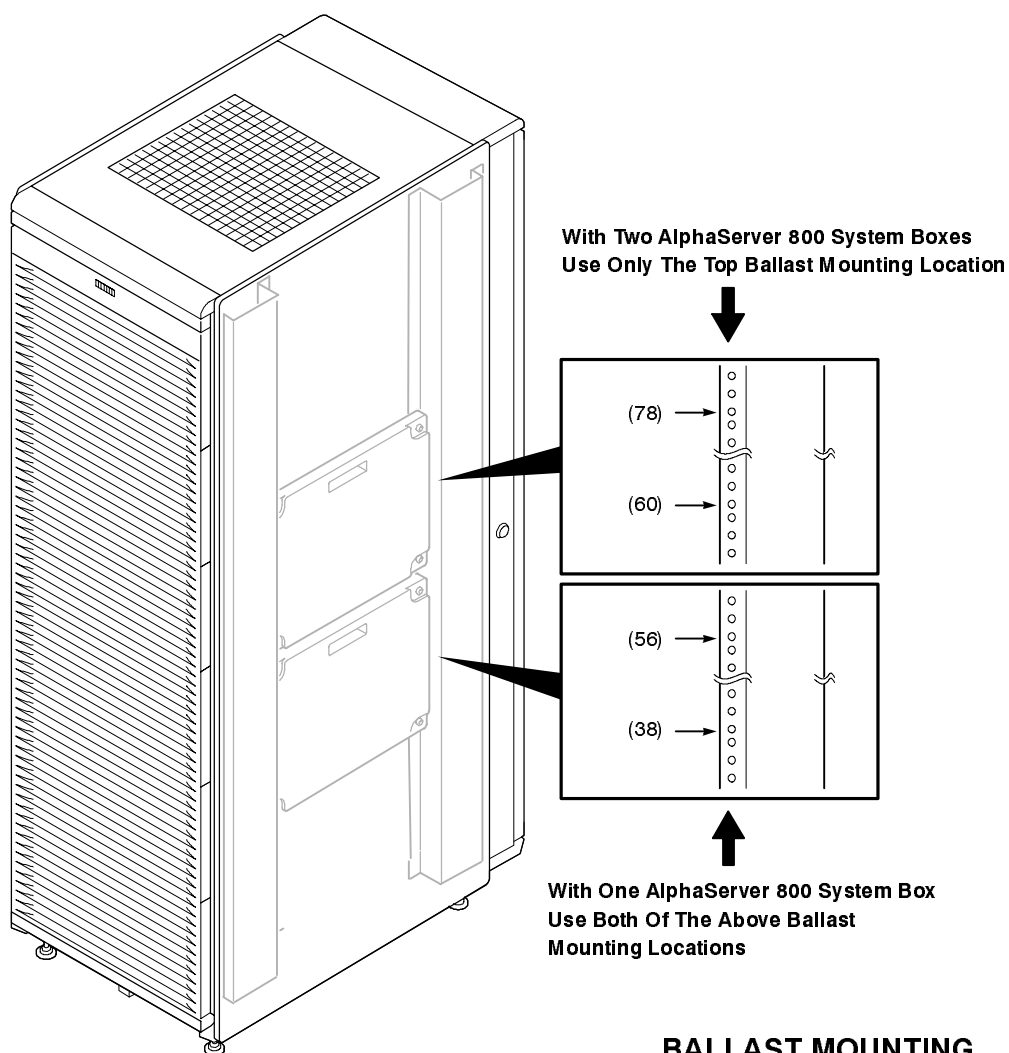
Figure 2. H9A15-NA/TA Cabinet (Sheet 2 of 2)

FIG.& ITEM NO.	DESCRIPTION	DIGITAL PART NO.	ECO CUT-IN H9A15-2 00001	USED ON CODE	REF FIG NO.
2- A	CABINET, REAR DOOR, GRAY	H9A15-NA		A	1
B	CABINET, REAR DOOR, BLUE	H9A15-TA		B	1
1	*Cabinet Assembly, H9A15, EIA, Gray	70-33671-01		A	
	*Cabinet Assembly, H9A15, EIA, Blue	70-33671-02		B	
2	*H7600 Interlock Kit (H9A15) (Not Shown)	2T-INTLK-27			
3	*Label, "Electrical Data", Adhesive Backed	36-13209-02			
4	*Nut, U-Nut 10-32	90-07786-01			
5	*Label, "Caution Stabilizer Foot"	36-18384-01			
6	*Package Assembly (Not Shown)	37-05062-03			
7	*Documentation, H9A15 Cabinet Installation (Not Shown)	EK-H9A15-IN			
8	*Cable Assembly w/Wrist Strap	12-24023-01			
9	*Screw, Sems Pan Hd 10-32 x 3/8	90-09228-10			
10	*Label, "Caution 2 Power Cord Multi-Language Service Information"	36-46657-01			



IP-H9A15-3-02

Figure 3. H9A15 M-Series Mounting Kits (Sheet 1 of 8)



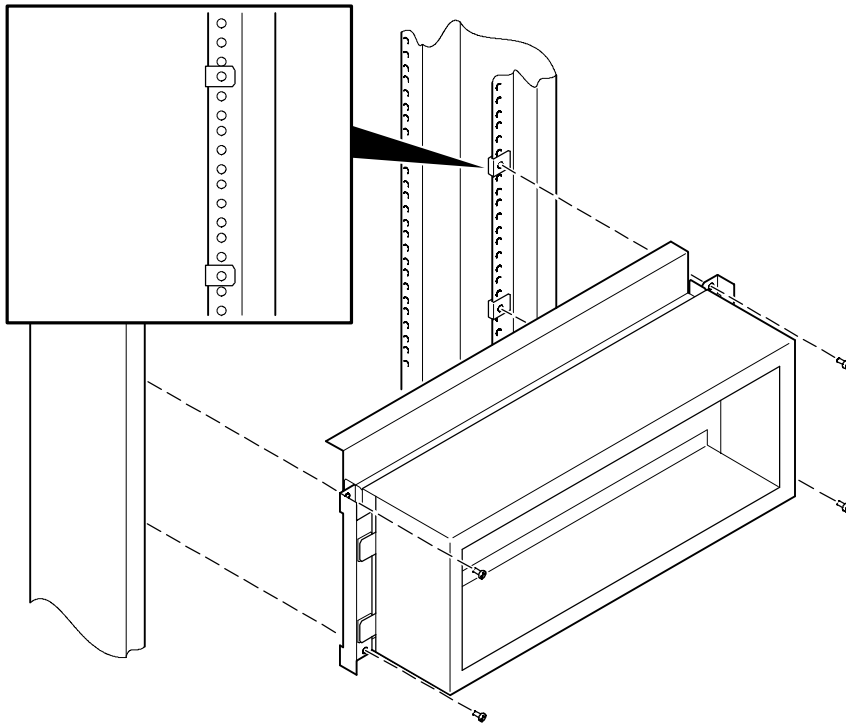
BALLAST MOUNTING

REFER TO: BALLAST KIT
H9C10-MC

IP-H9A15-3-02A

Figure 3. H9A15 M-Series Mounting Kits (Sheet 2 of 8)

Screw Hole Locations Are Determined By Rail Mounting Configuration.



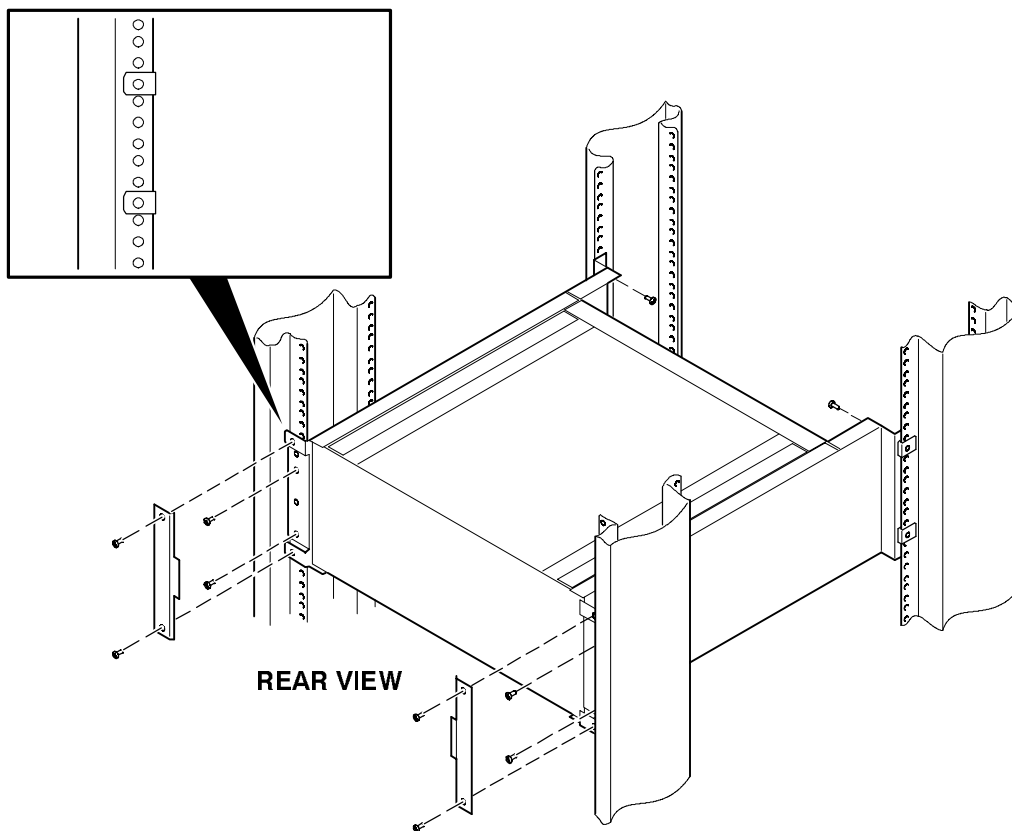
FLUSHING FAN MOUNTING

REFER TO: FLUSHING FAN KITS (REAR)
2T-SW8XF-ER (240V)
2T-SW8XF-SR (120V)

IP-H9A15-3-03

Figure 3. H9A15 M-Series Mounting Kits (Sheet 3 of 8)

Screw Hole Locations Are Determined By Rail Mounting Configuration.



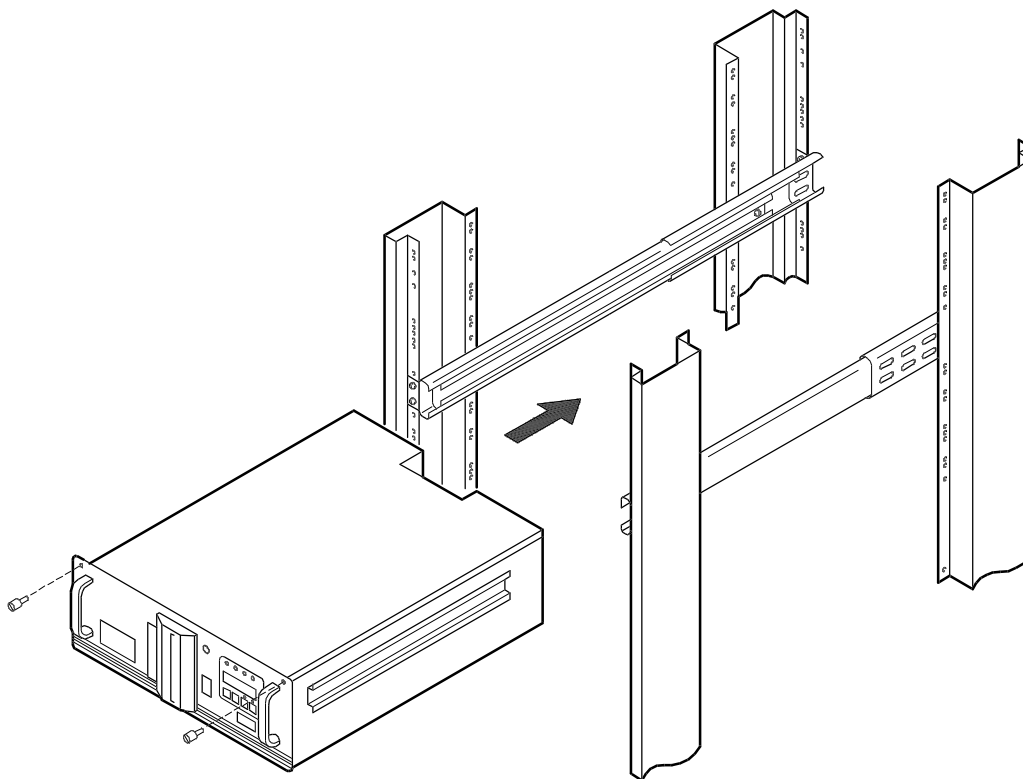
MEMORY CHANNEL MOUNTING

**REFER TO: MEMORY CHANNEL RACKMOUNT KIT
CCMRA-AA**

IP-H9A15-3-04

Figure 3. H9A15 M-Series Mounting Kits (Sheet 4 of 8)

Screw Hole Locations Are Determined By Rail Mounting Configuration.

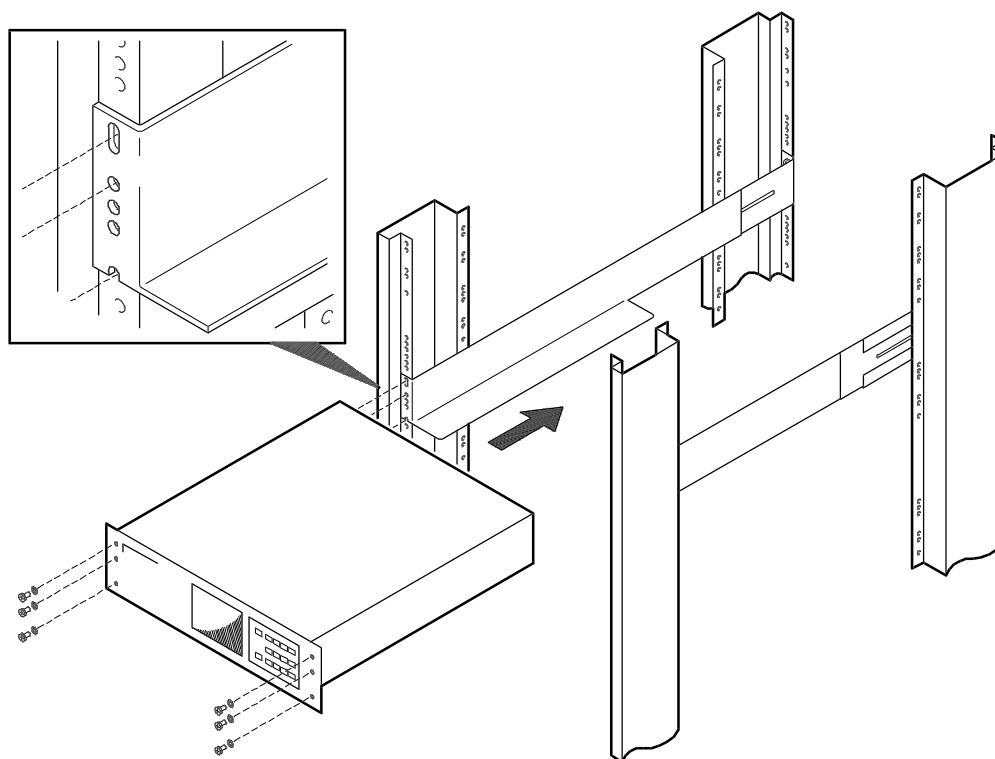


TAPE LIBRARY MOUNTING
REFER TO: DLT MiniLibrary (DS–TL891–NE/NG)

IP–H9A15–3–04A

Figure 3. H9A15 M-Series Mounting Kits (Sheet 5 of 8)

Install UPS As Low As Possible In The Cabinet, Below The Host System.



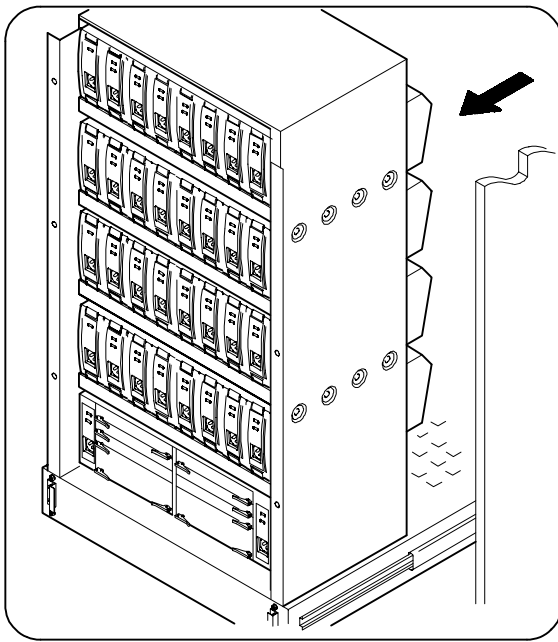
UPS MOUNTING

**REFER TO: RAID Array 3000 (DS-SWXRA-GH) (120V)
(DS-SWXRA-GK) (230V)**

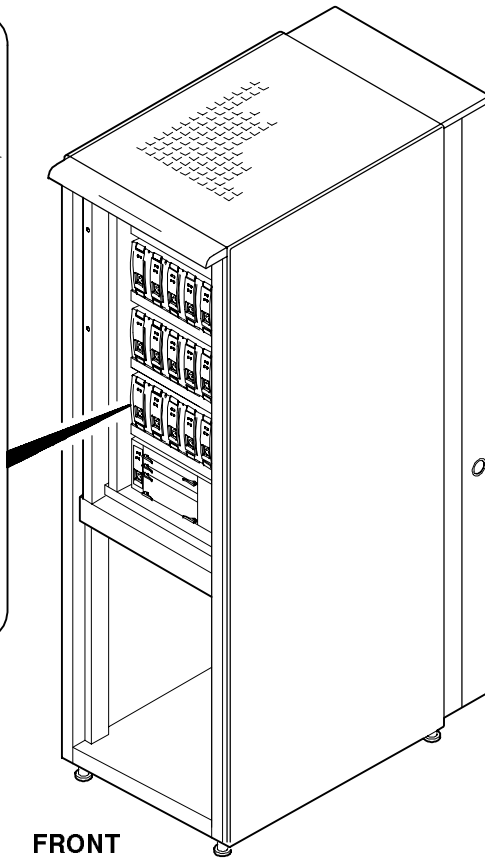
IP-H9A15-3-04B

Figure 3. H9A15 M-Series Mounting Kits (Sheet 6 of 8)

REMOVE TOP FAN FROM CAB
PRIOR TO INSTALLATION



Single BA370 Units Must Be Top-Front Mounted
and Require A Single Ballast Kit



BA370 MOUNTING
REFER TO: 2T-BA370-AS

IP-H9A15-3-04C

Figure 3. H9A15 M-Series Mounting Kits (Sheet 7 of 8)

REMOVE TOP FAN FROM CAB
PRIOR TO INSTALLATION

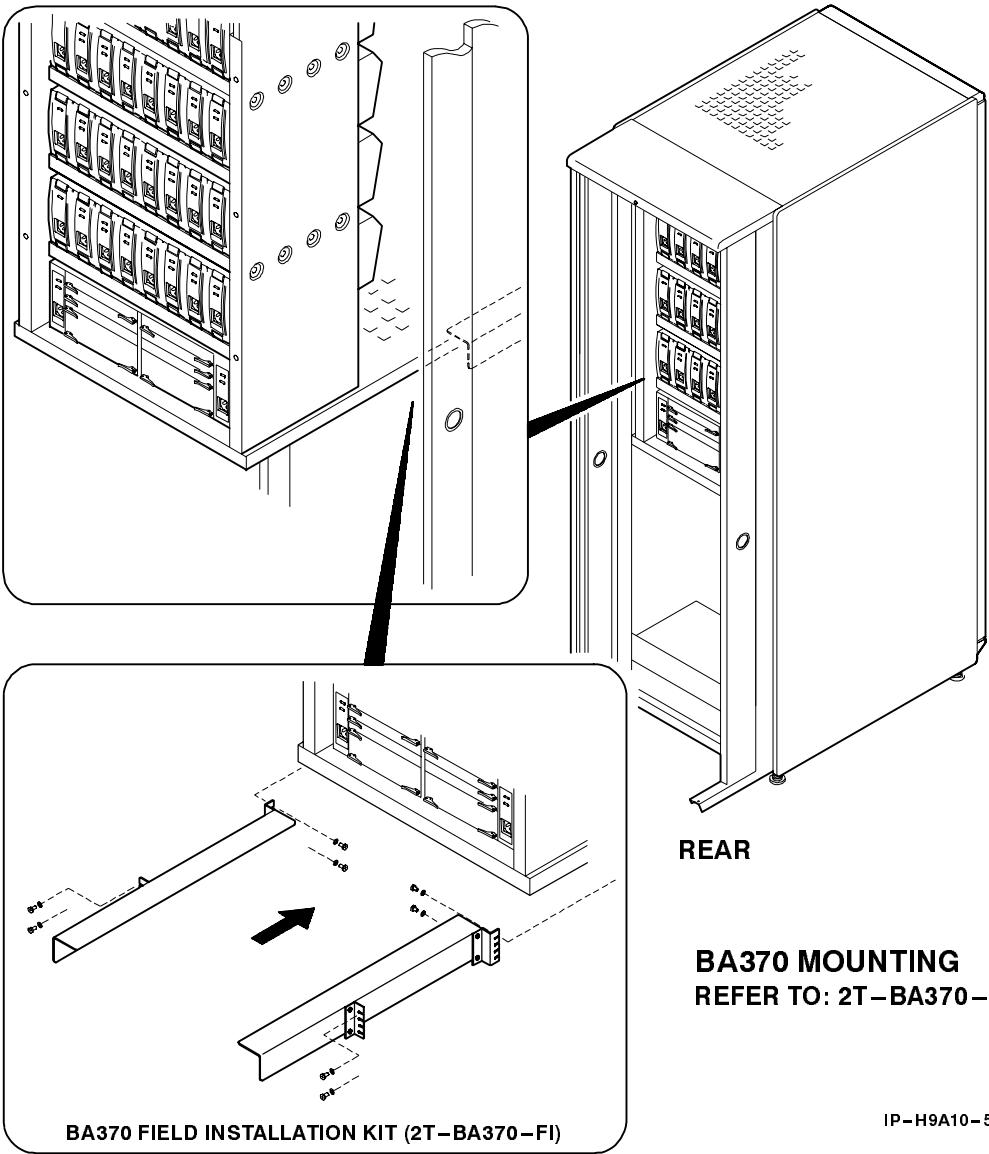
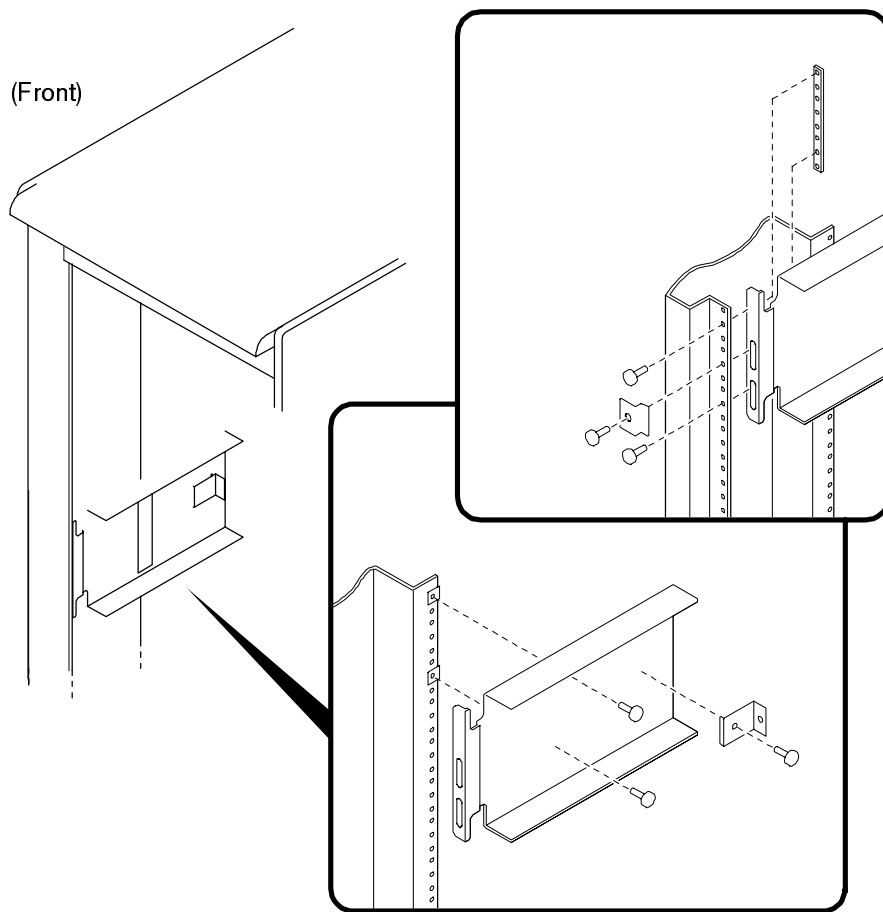
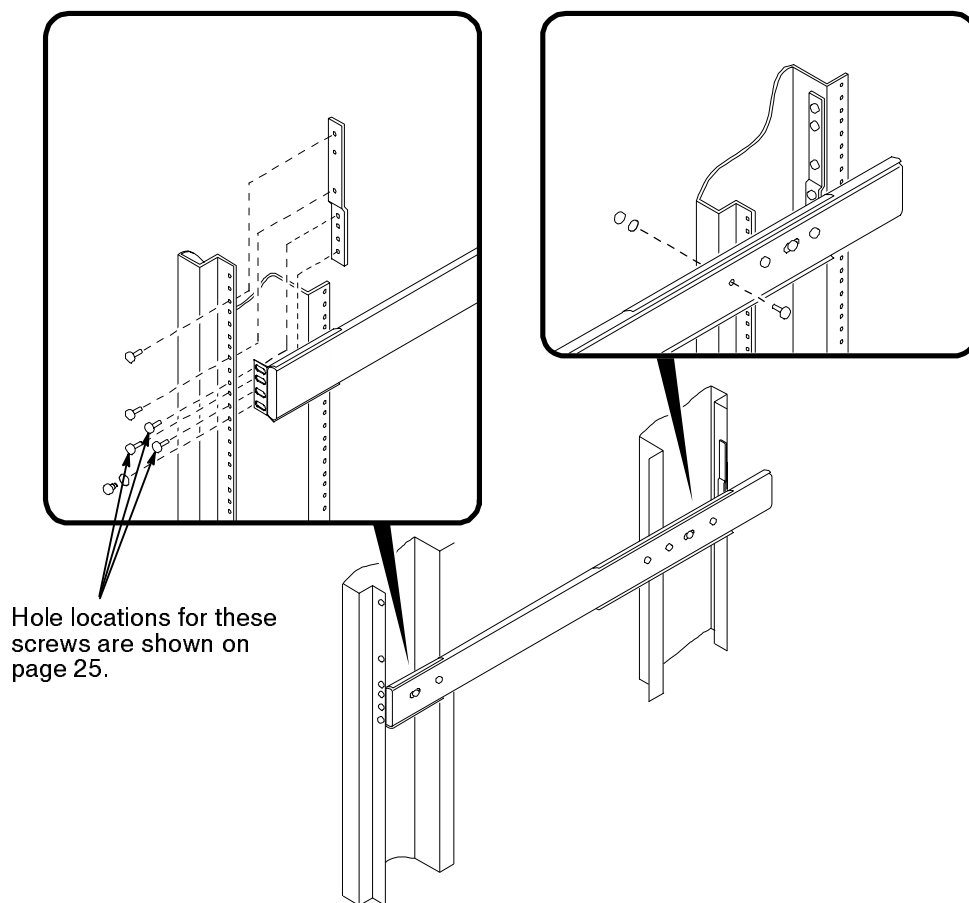


Figure 3. H9A15 M-Series Mounting Kits (Sheet 8 of 8)



IP-H9A15-3-05

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 1 of 23)



SYSTEM BOX MOUNTING

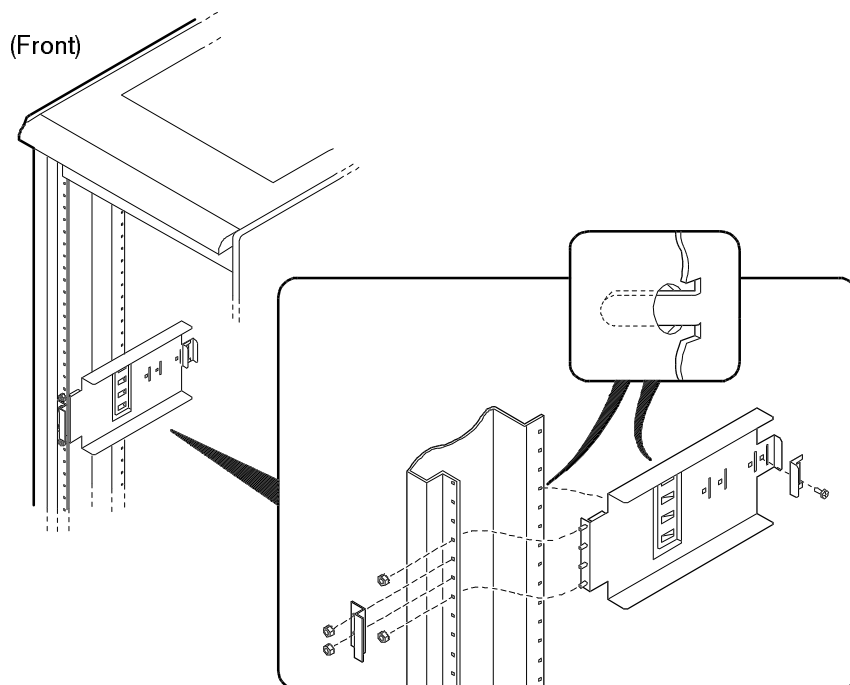
REFER TO:
AlphaServer 4000/4100 RACK MOUNT KIT
CK-BA30A

IP-H9A15-3-06

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 2 of 23)

To Mount More Than 2 Storage Shelves, Use The Following Table To Locate Where The Studs Mount To The Rails.

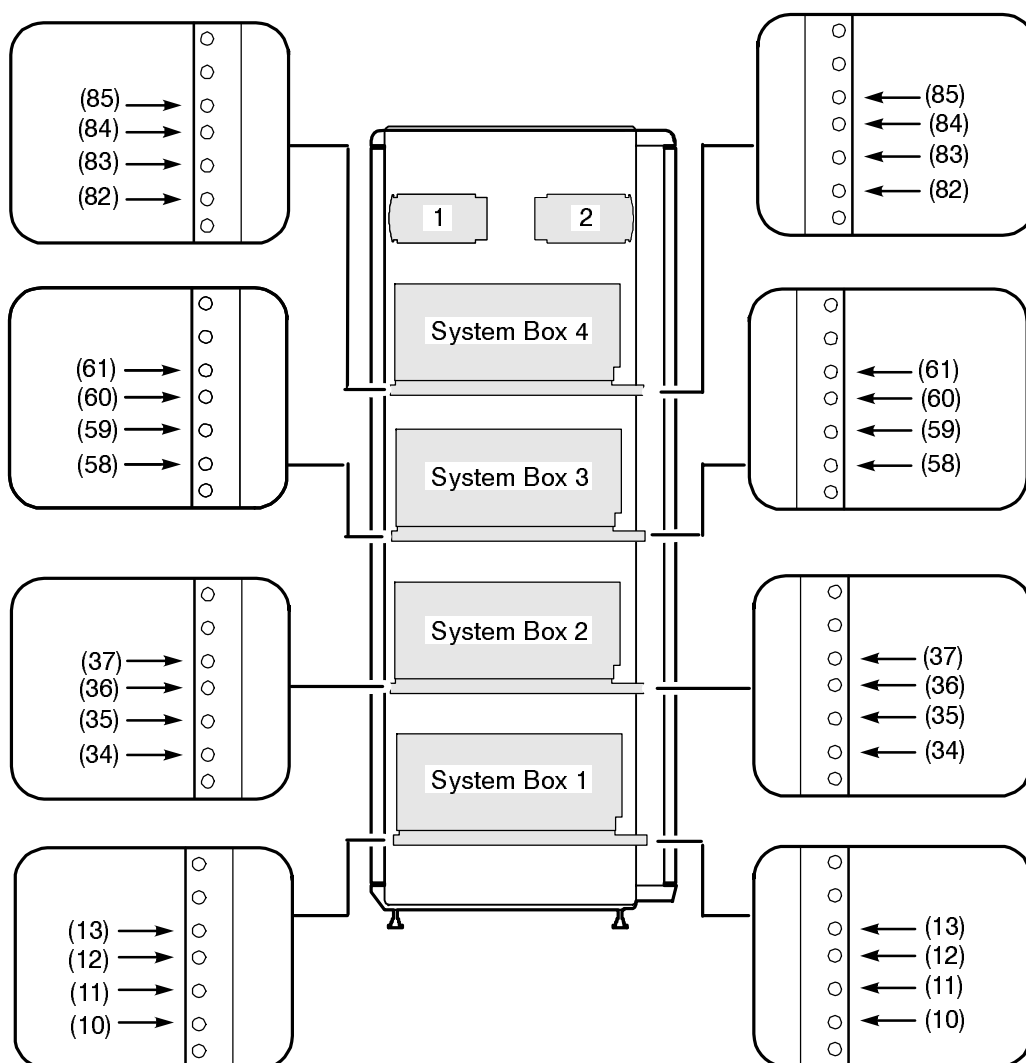
STORAGE SHELF		
FRONT	REAR	HOLE LOCATIONS
1	3	112, 113, 116, 117
2	4	100, 101, 104, 105
5	6	88, 89, 92, 93
7	-	76, 77, 80, 81
8	9	64, 65, 68, 69
10	11	52, 53, 56, 57
12	-	40, 41, 44, 45
When Mounting 2 Storage Shelves Use Holes 112, 113, 116, 117 To Mount Storage Shelves 1 and 2.		



**STORAGE SHELF MOUNTING BRACKET
USING BA35X-RK STORAGE SHELF MOUNTING KIT**

IP-H9A15-3-04E

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 3 of 23)

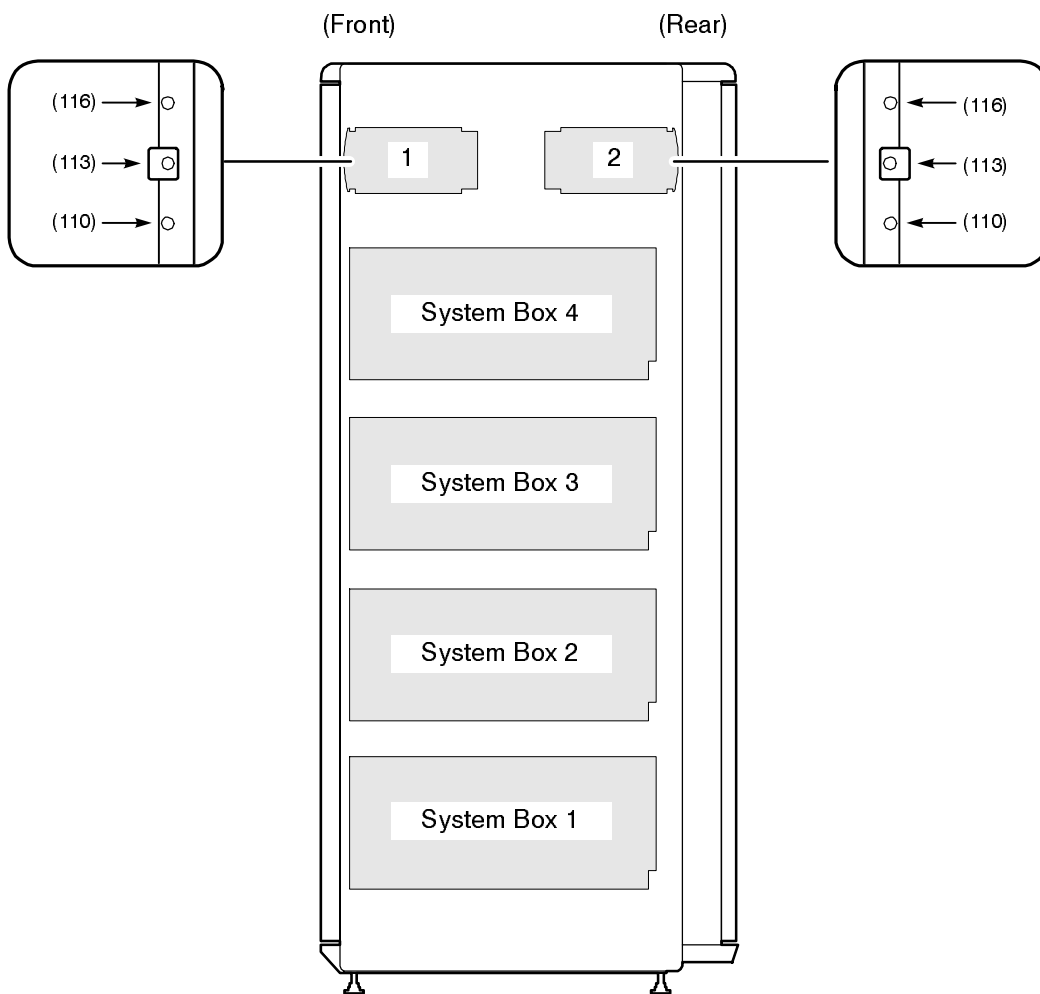


AlphaServer 4000/4100 SYSTEM BOX MOUNTING LOCATIONS

IP-H9A15-3-07

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 4 of 23)

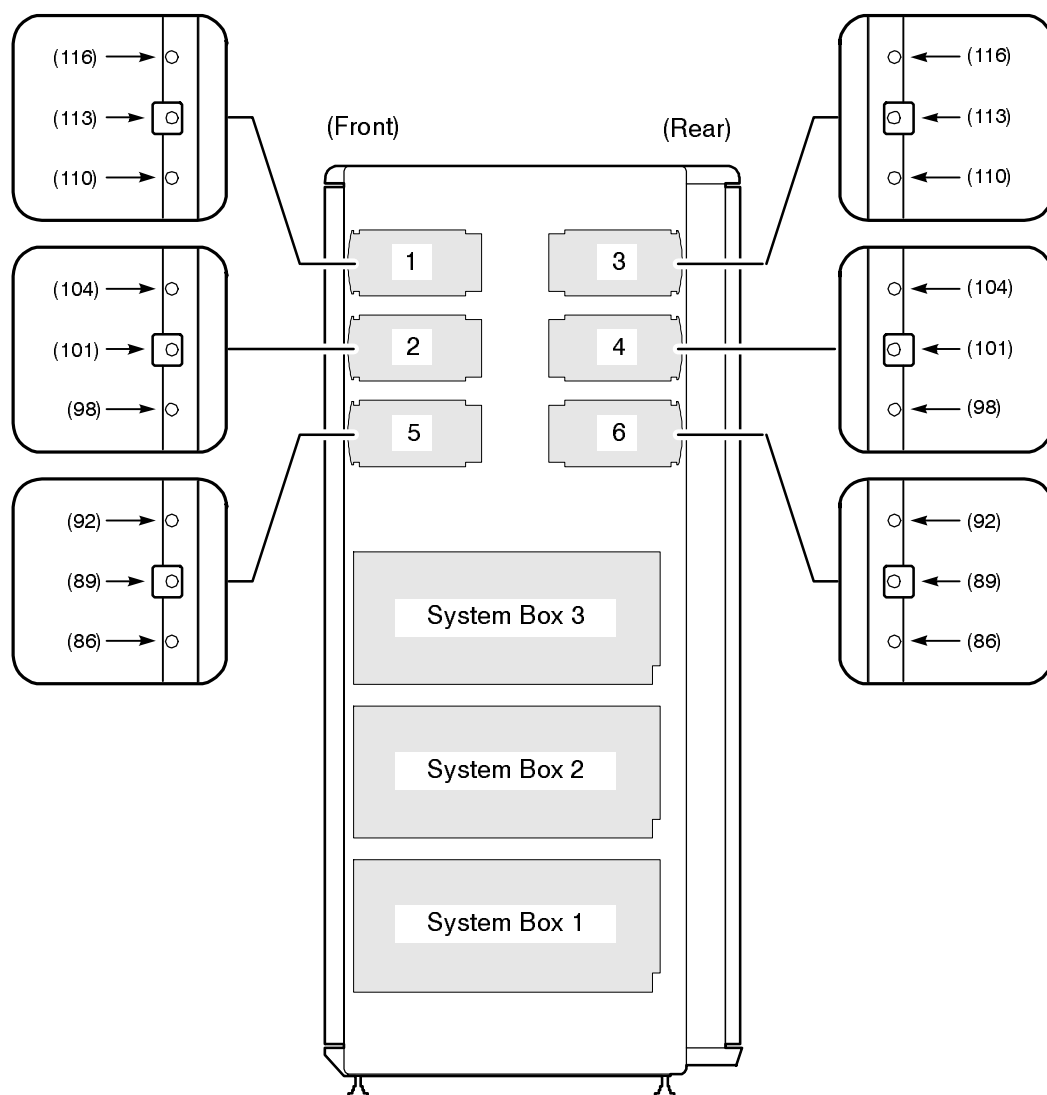
OPTION: IF STORAGE SHELF 2 CONTAINS TAPE DRIVES,
MOUNT BELOW STORAGE SHELF 1 IN FRONT OF CAB



AlphaServer 4000/4100 STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24

IP-H9A15-3-08

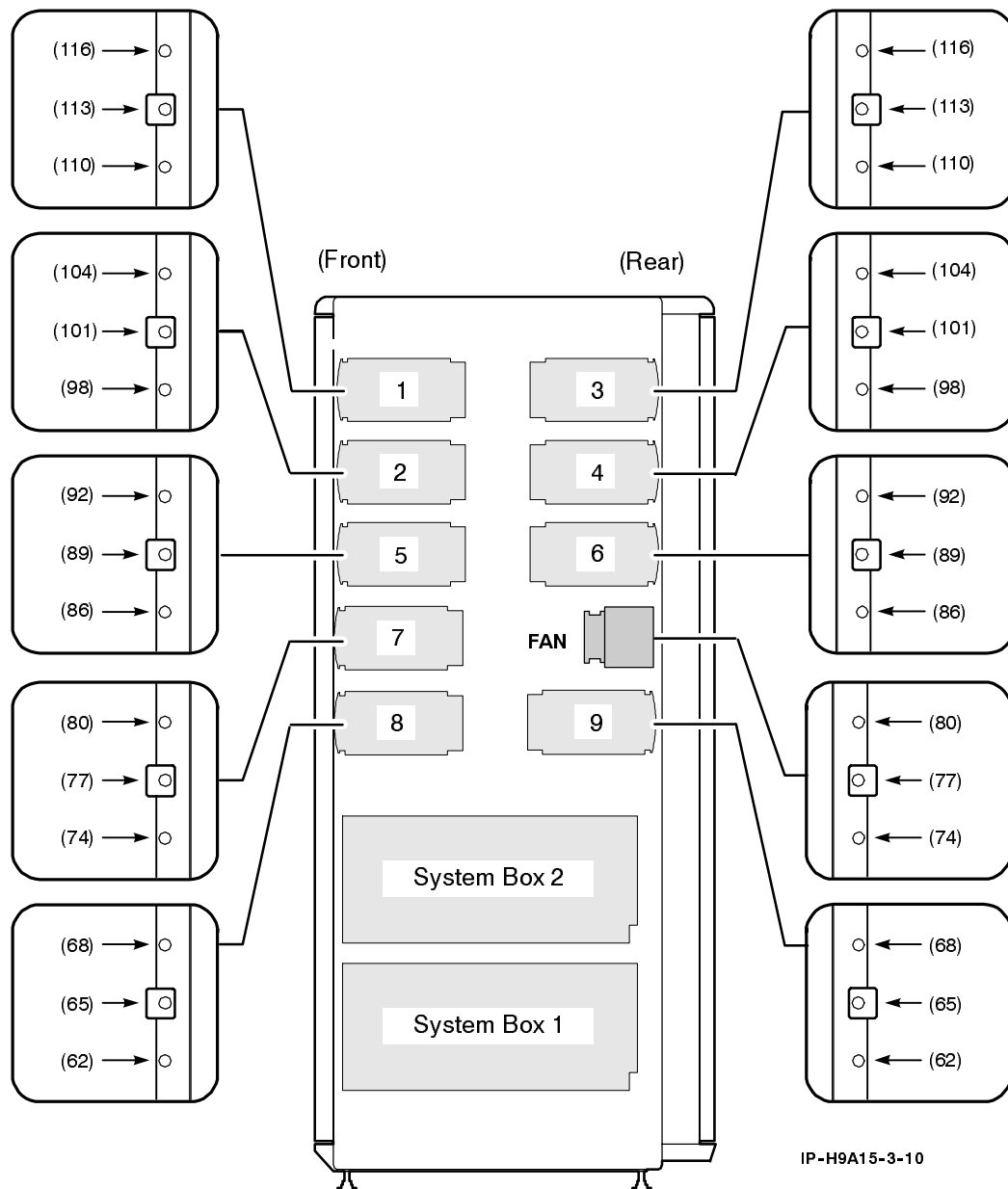
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 5 of 23)



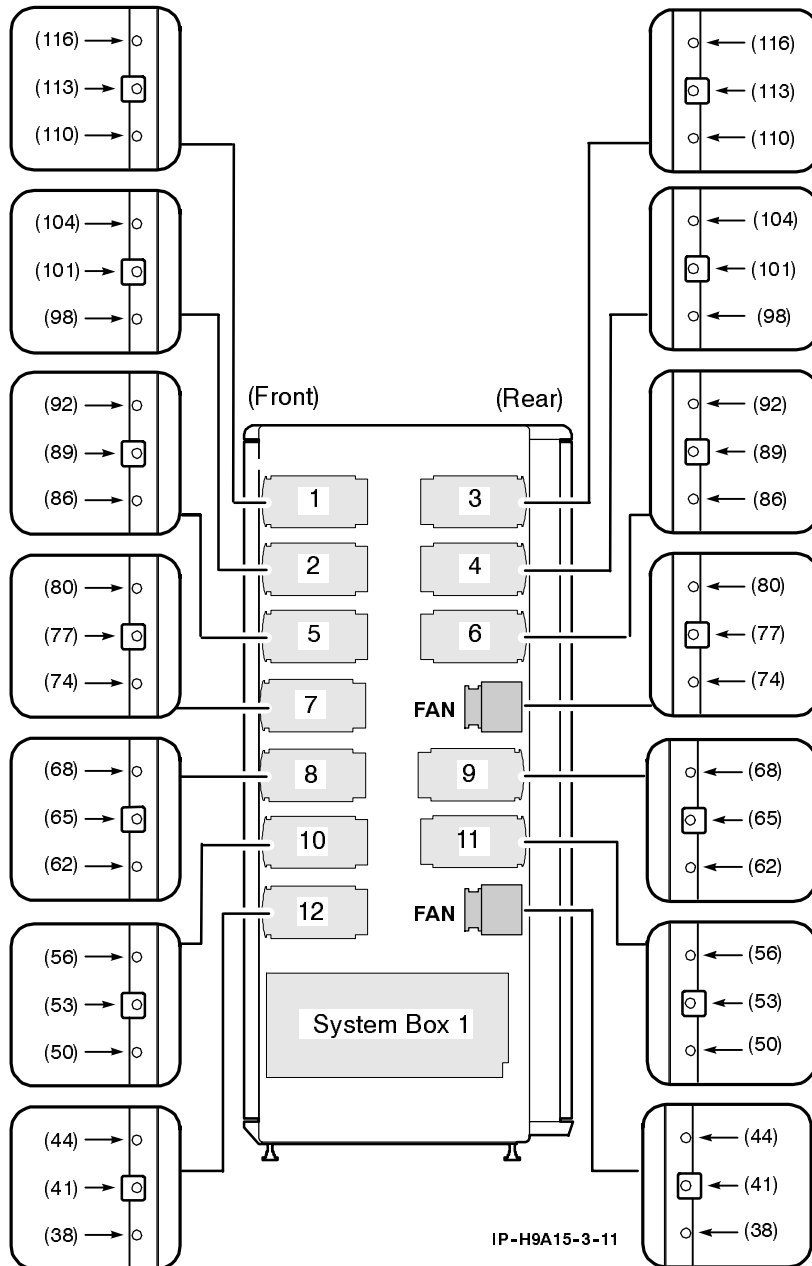
**AlphaServer 4000/4100 STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**

IP-H9A15-3-09

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 6 of 23)

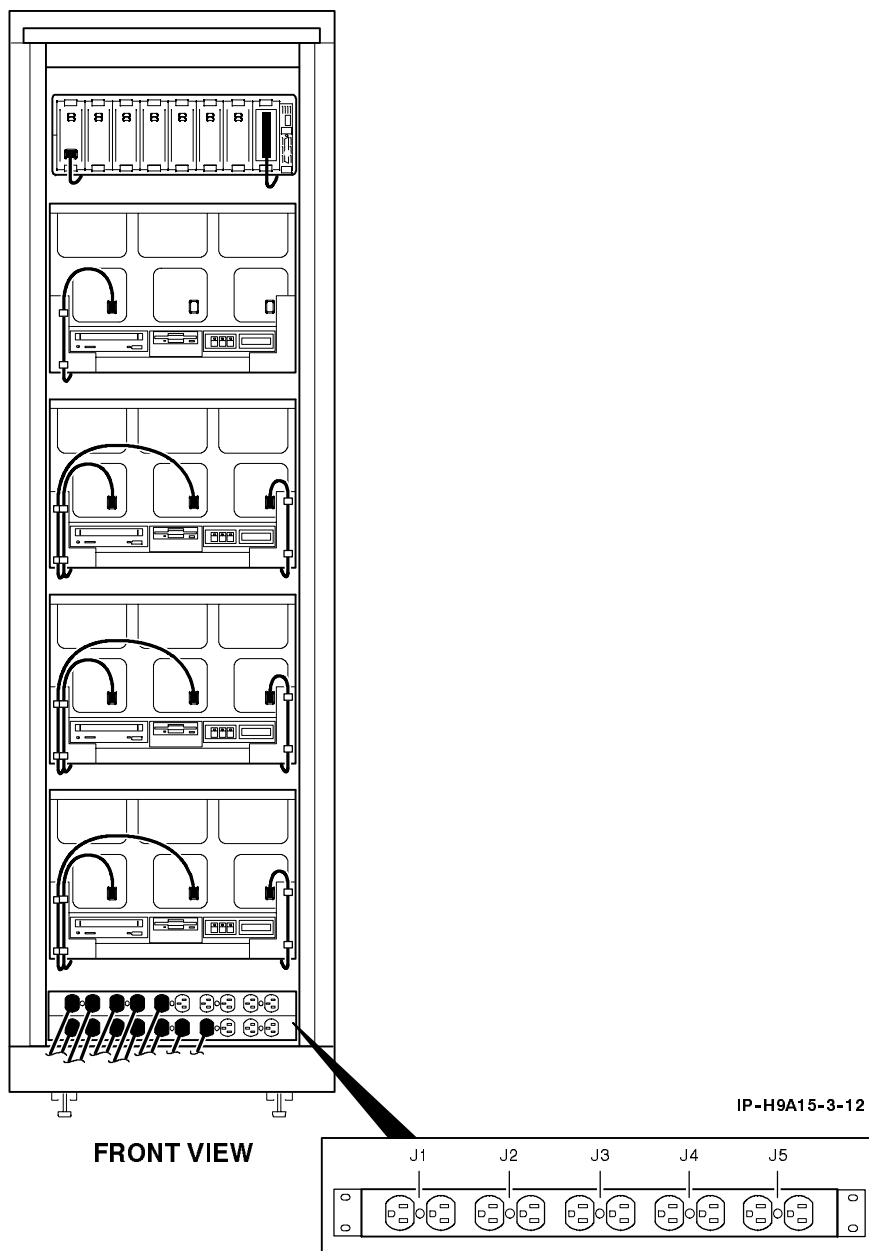


**AlphaServer 4000/4100 STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 7 of 23)



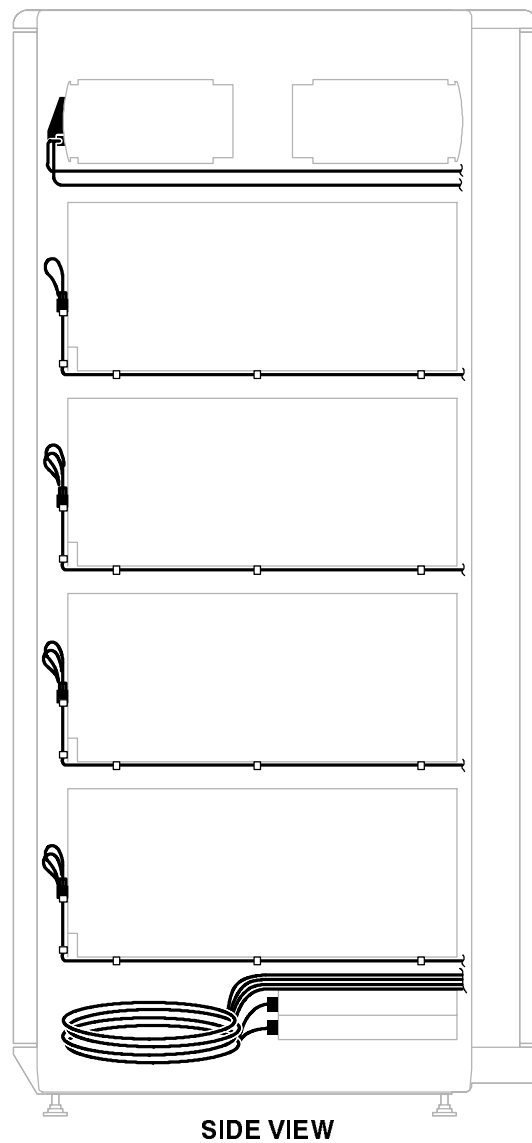
**AlphaServer 4000/4100 STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT, FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 8 of 23)



AlphaServer 4000/4100 CABLING CONFIGURATION

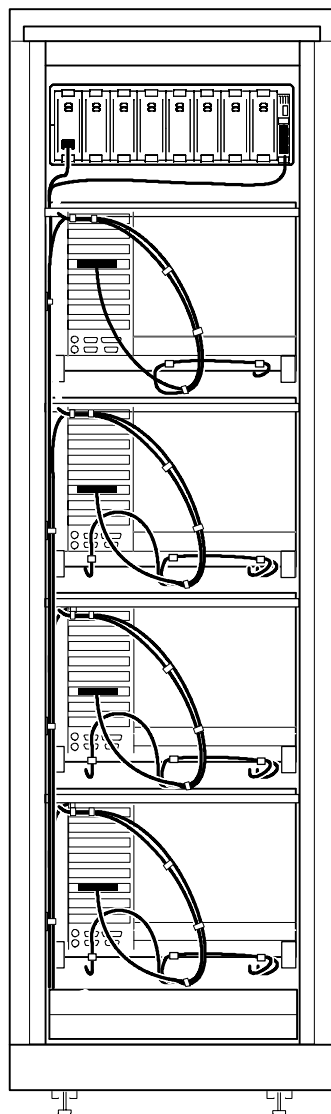
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 9 of 23)



AlphaServer 4000/4100 CABLING CONFIGURATION

IP-H9A15-3-12A

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 10 of 23)

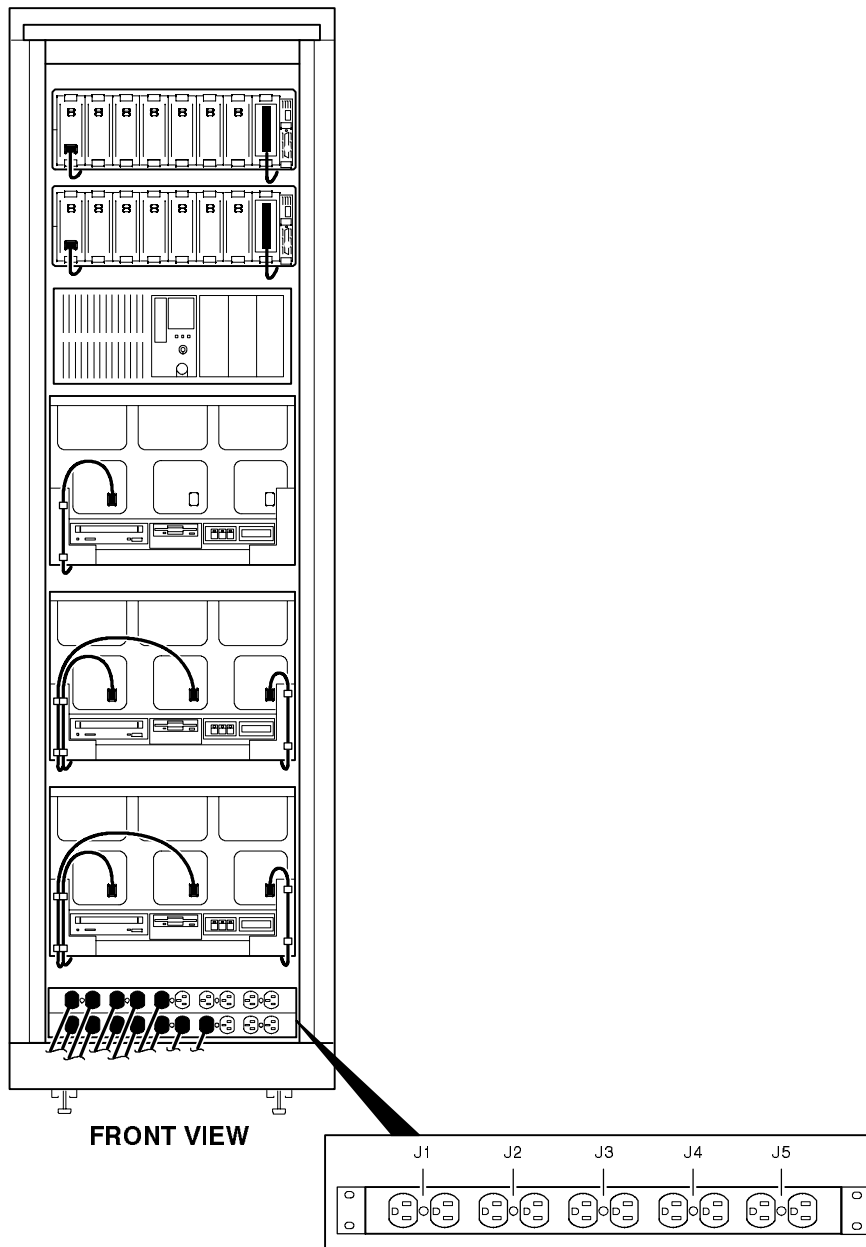


REAR VIEW

AlphaServer 4000/4100 CABLING CONFIGURATION

IP-H9A15-3-12B

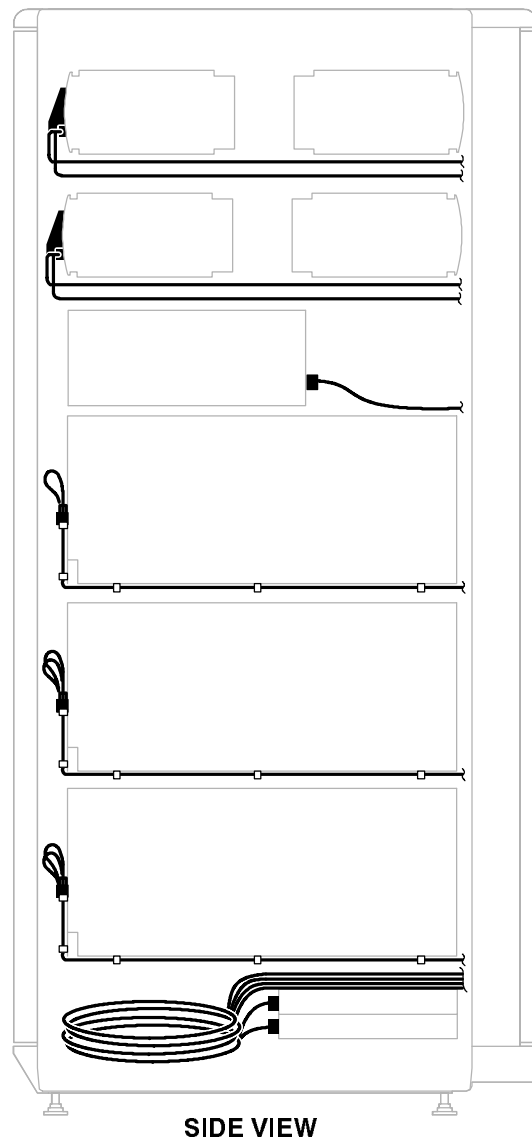
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 11 of 23)



**AlphaServer 4000/4100 w/MEMORY CHANNEL
CABLING CONFIGURATION**

IP-H9A15-3-13

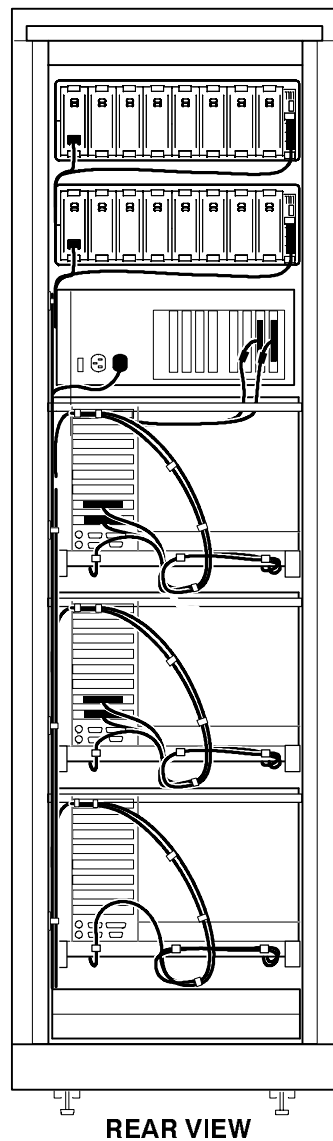
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 12 of 23)



**AlphaServer 4000/4100 w/MEMORY CHANNEL
CABLING CONFIGURATION**

IP-H9A15-3-13A

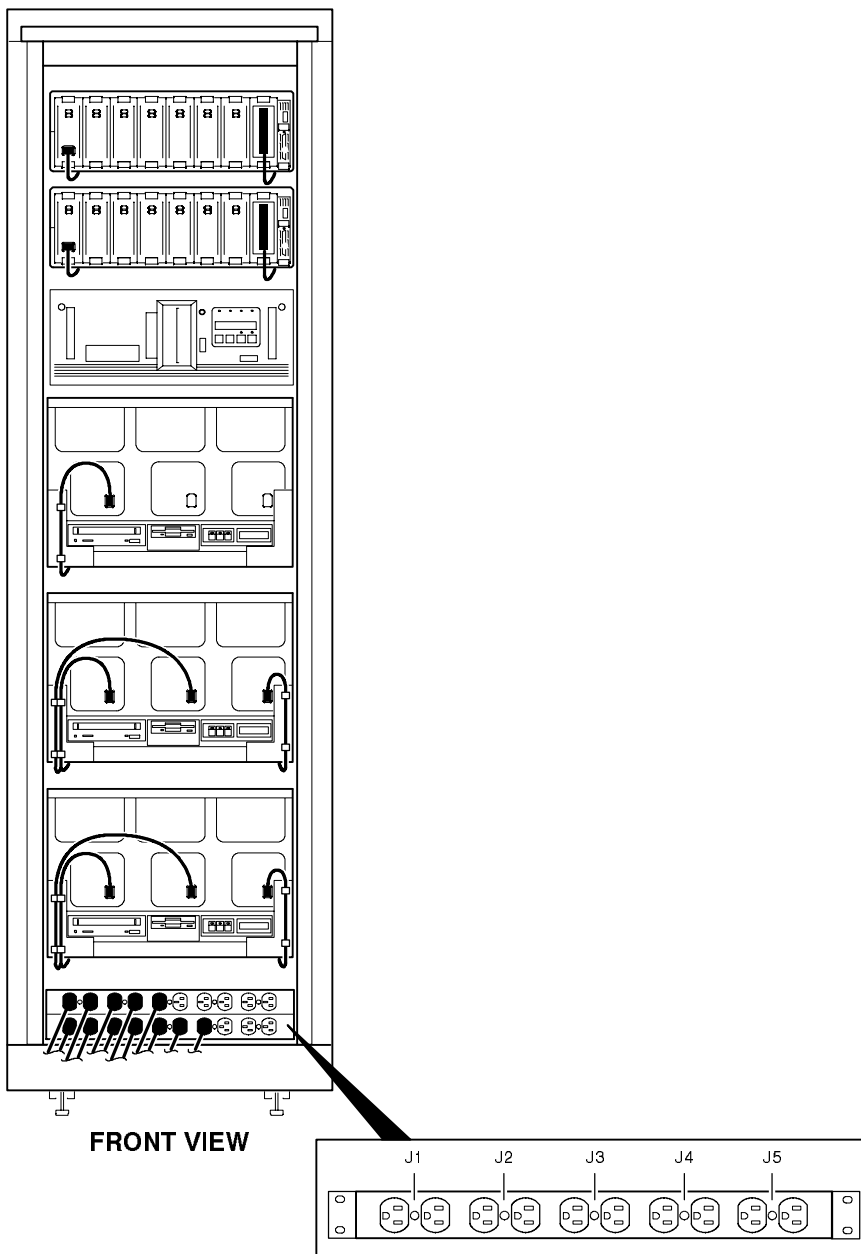
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 13 of 23)



**AlphaServer 4000/4100 w/MEMORY CHANNEL
CABLING CONFIGURATION**

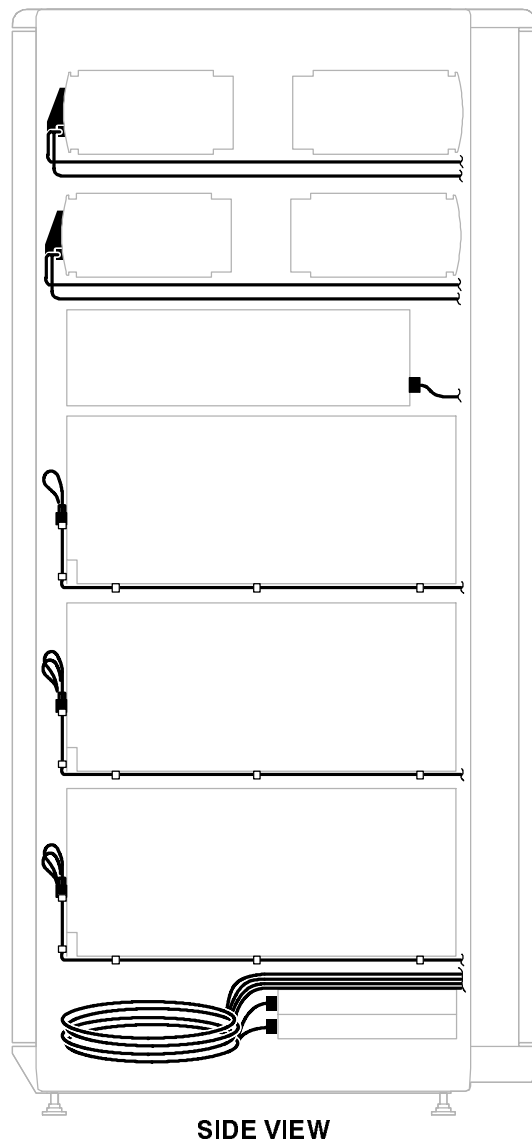
IP-H9A15-3-13B

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 14 of 23)



AlphaServer 4000/4100 w/ DLT MiniLibrary
BASE MODULE CABLING CONFIGURATION
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 15 of 23)

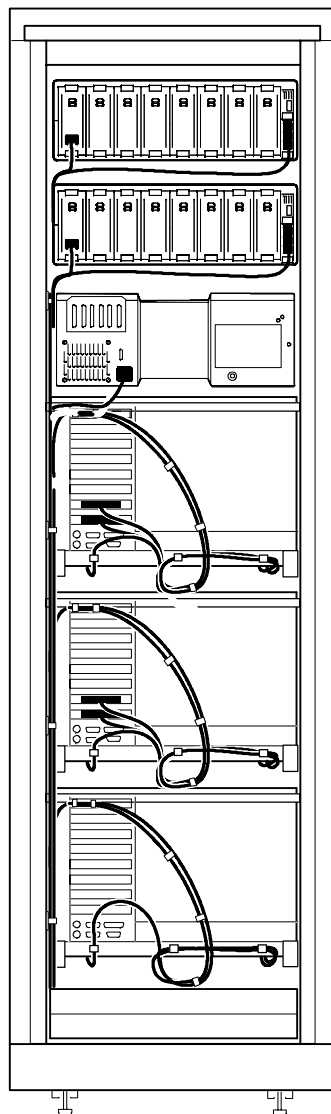
IP-H9A15-3-14



**AlphaServer 4000/4100 w/DLT MiniLibrary
BASE MODULE CABLING CONFIGURATION**

IP-H9A15-3-14A

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 16 of 23)

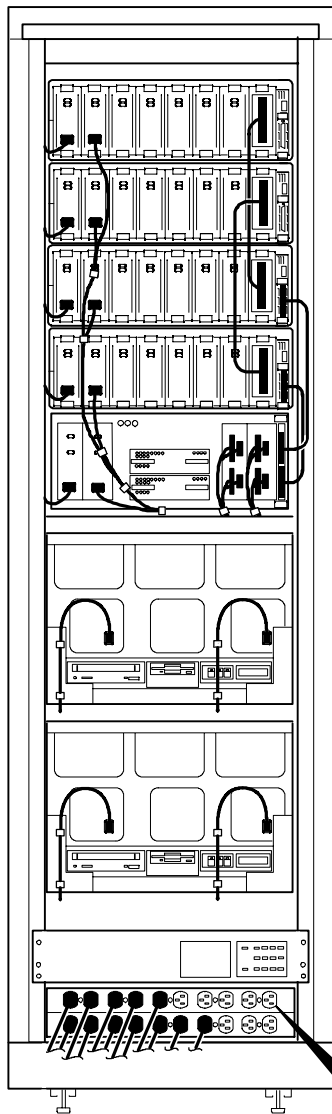


REAR VIEW

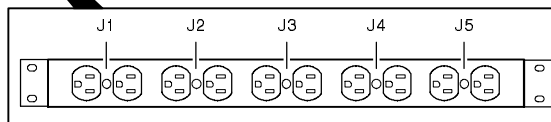
**AlphaServer 4000/4100 w/DLT MiniLibrary
BASE MODULE CABLING CONFIGURATION**

IP-H9A15-3-14B

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 17 of 23)



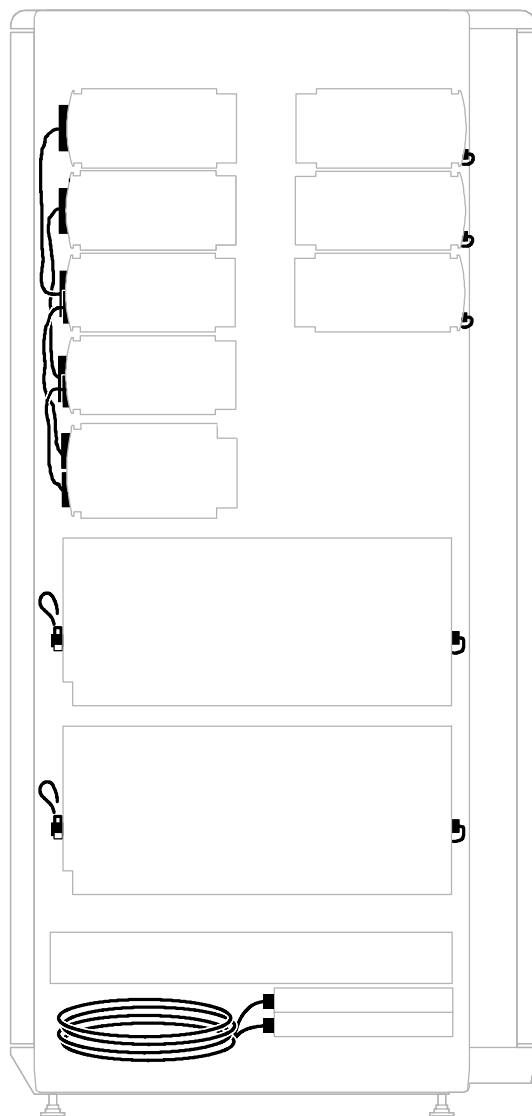
FRONT VIEW



**AlphaServer 4000/4100 w/RAID Array 3000
CABLING CONFIGURATION**

IP-H9A15-3-15

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 18 of 23)

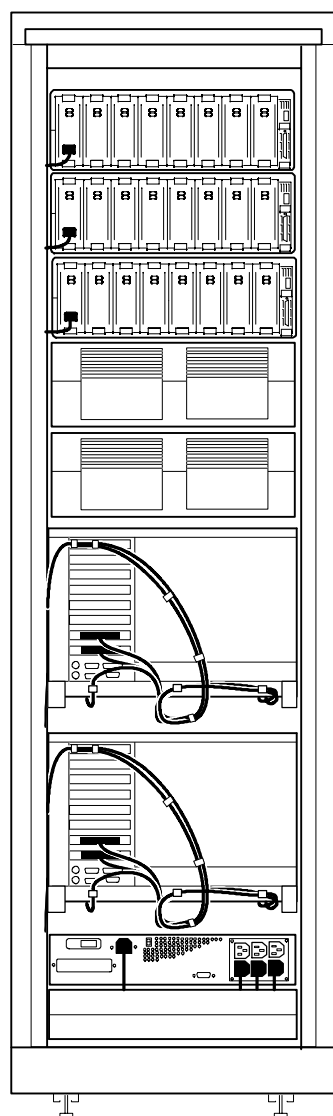


SIDE VIEW

**AlphaServer 4000/4100 w/RAID Array 3000
CABLING CONFIGURATION**

IP-H9A15-3-15A

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 19 of 23)

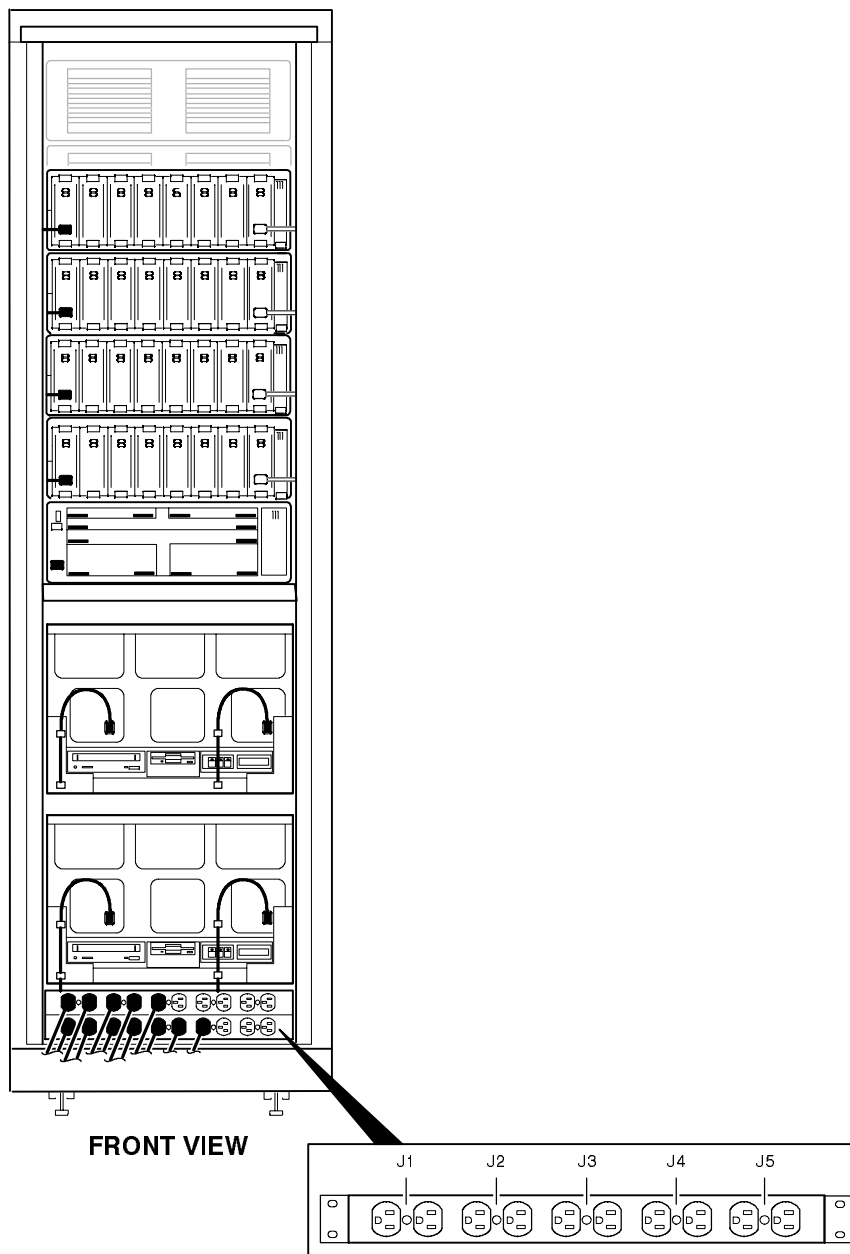


REAR VIEW

**AlphaServer 4000/4100 w/RAID Array 3000
CABLING CONFIGURATION**

IP-H9A15-3-15B

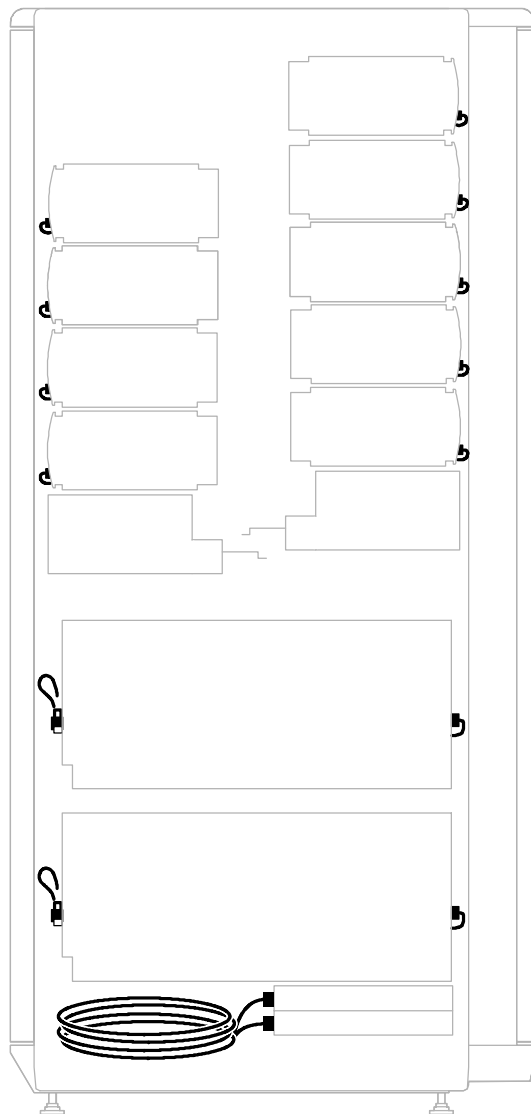
Figure 4. AS4000/4100 Mounting and Cabling (Sheet 20 of 23)



**AlphaServer 4000/4100 w/RAID Array 7000
CABLING CONFIGURATION**

IP-H9A15-3-16

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 21 of 23)

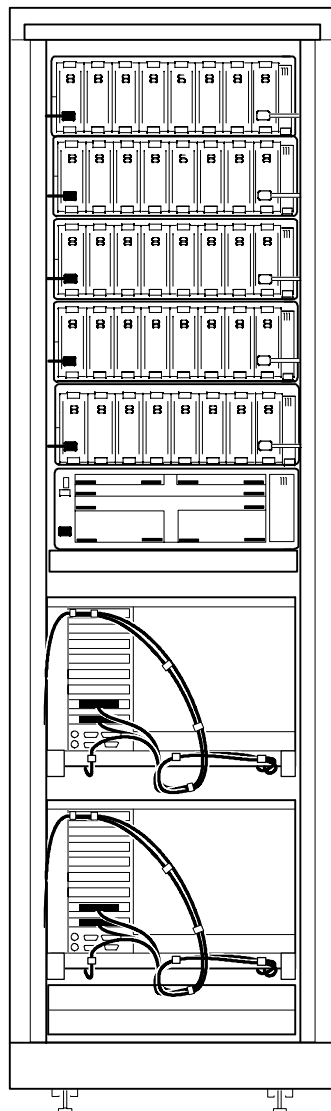


SIDE VIEW

**AlphaServer 4000/4100 w/RAID Array 7000
CABLING CONFIGURATION**

IP-H9A15-3-16A

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 22 of 23)

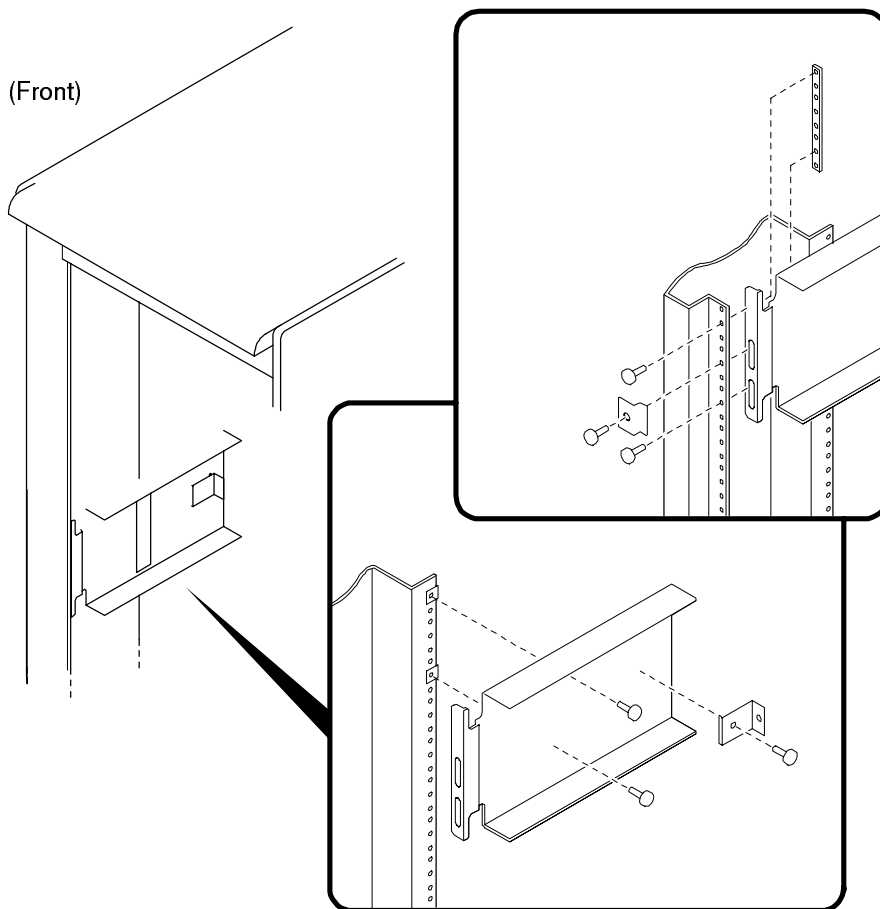


REAR VIEW

**AlphaServer 4000/4100 w/RAID Array 7000
CABLING CONFIGURATION**

IP-H9A15-3-16B

Figure 4. AS4000/4100 Mounting and Cabling (Sheet 23 of 23)

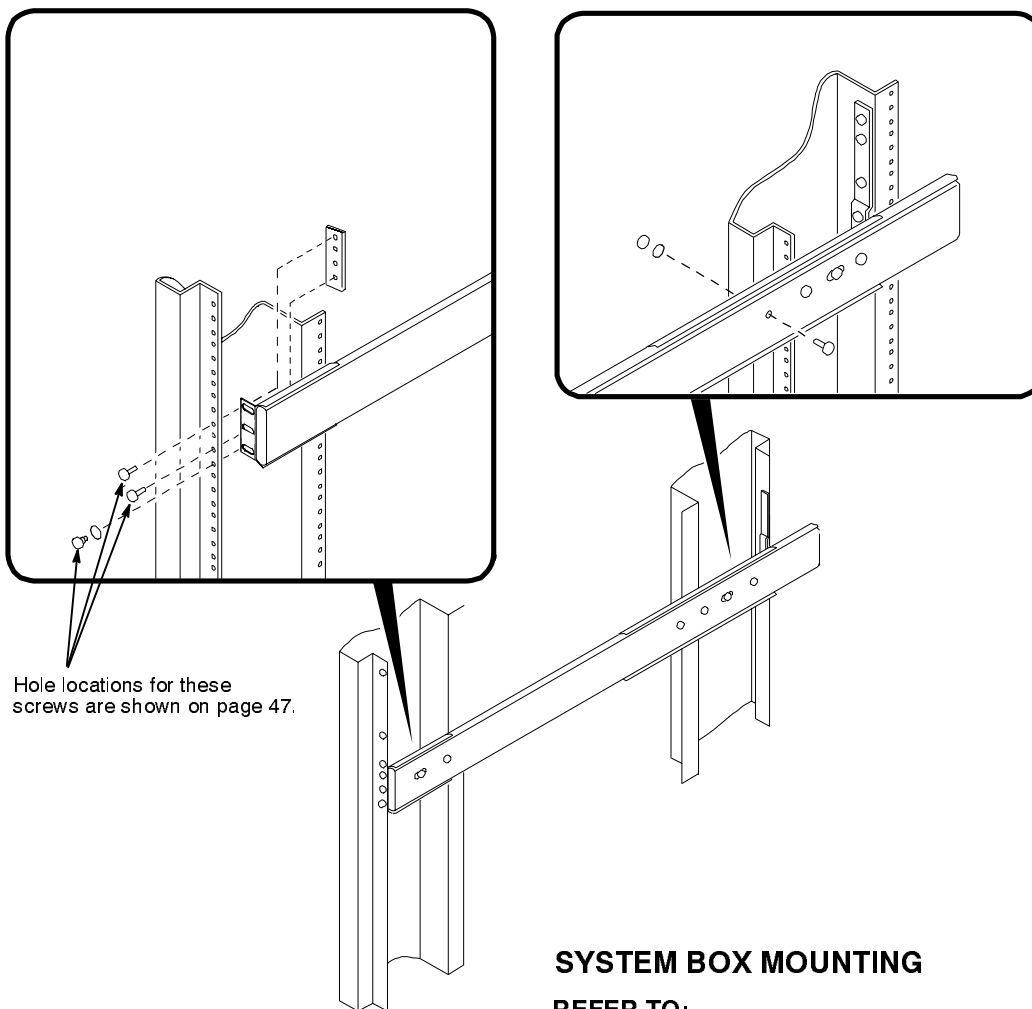


USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24

STORAGE SHELF MOUNTING

IP-H9A15-3-5A

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 1 of 21)

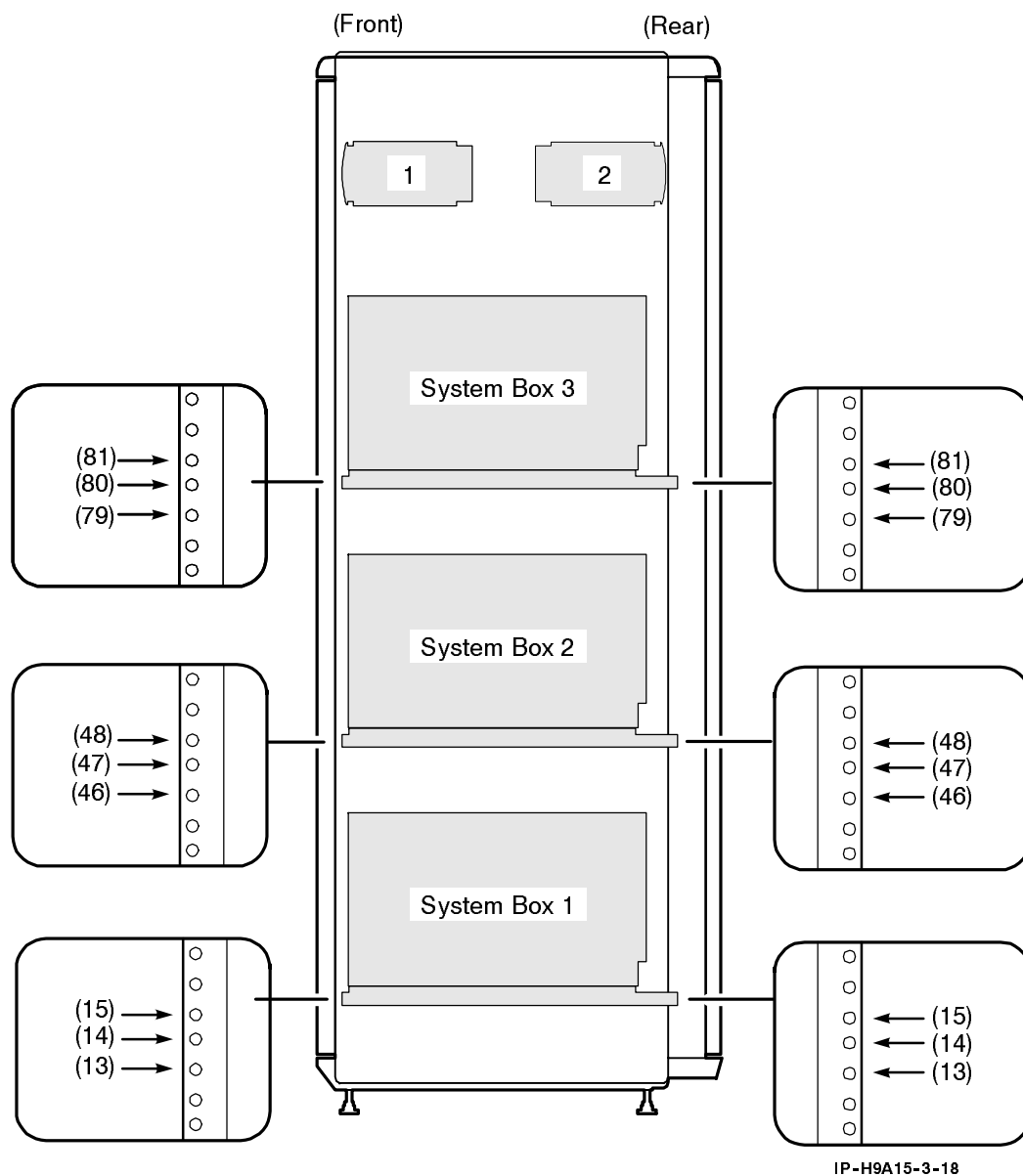


SYSTEM BOX MOUNTING

REFER TO:
AlphaServer 1200 RACK MOUNT KIT
2T-R1200

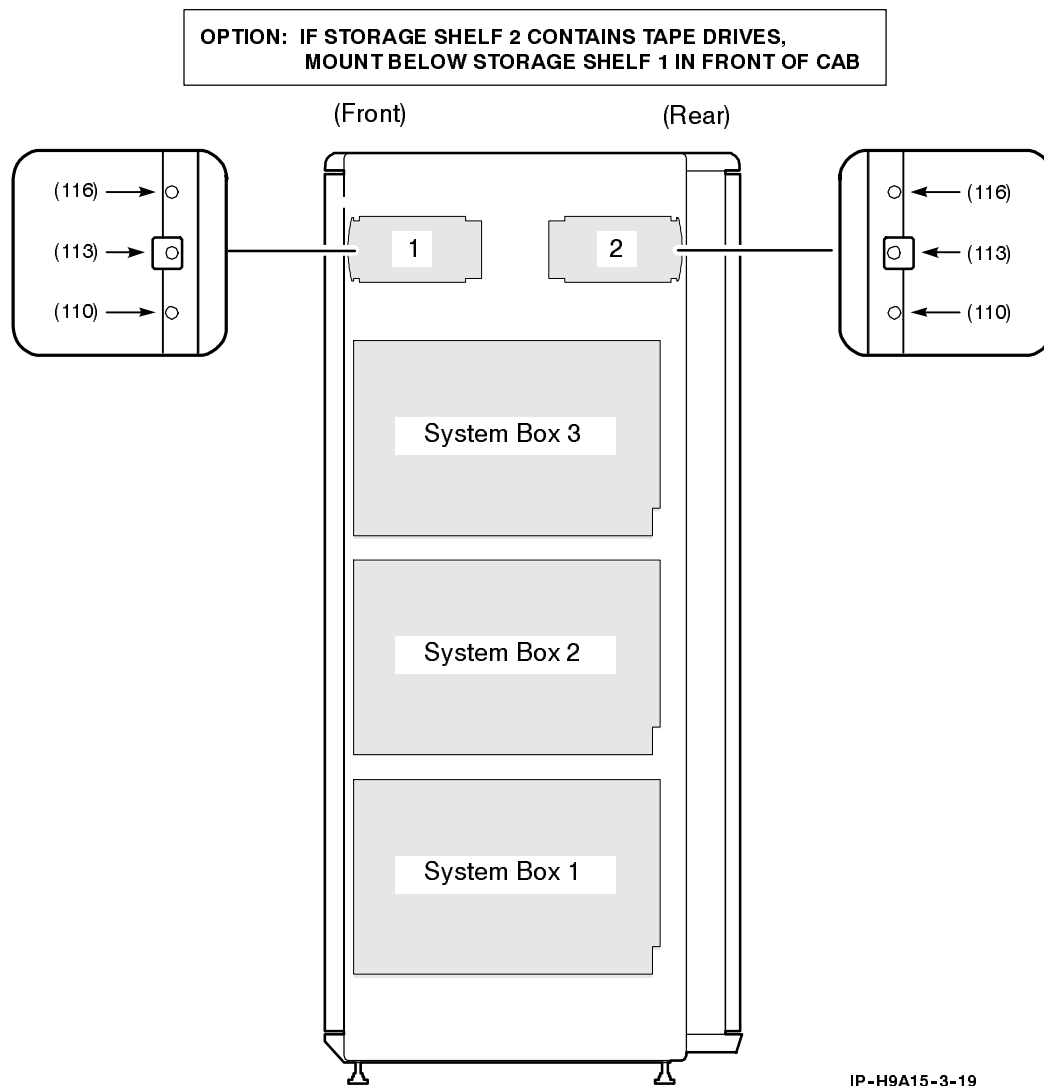
IP-H9A15-3-6A

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 2 of 21)



**AlphaServer 1200 and AlphaServer DS20
SYSTEM BOX MOUNTING LOCATIONS**

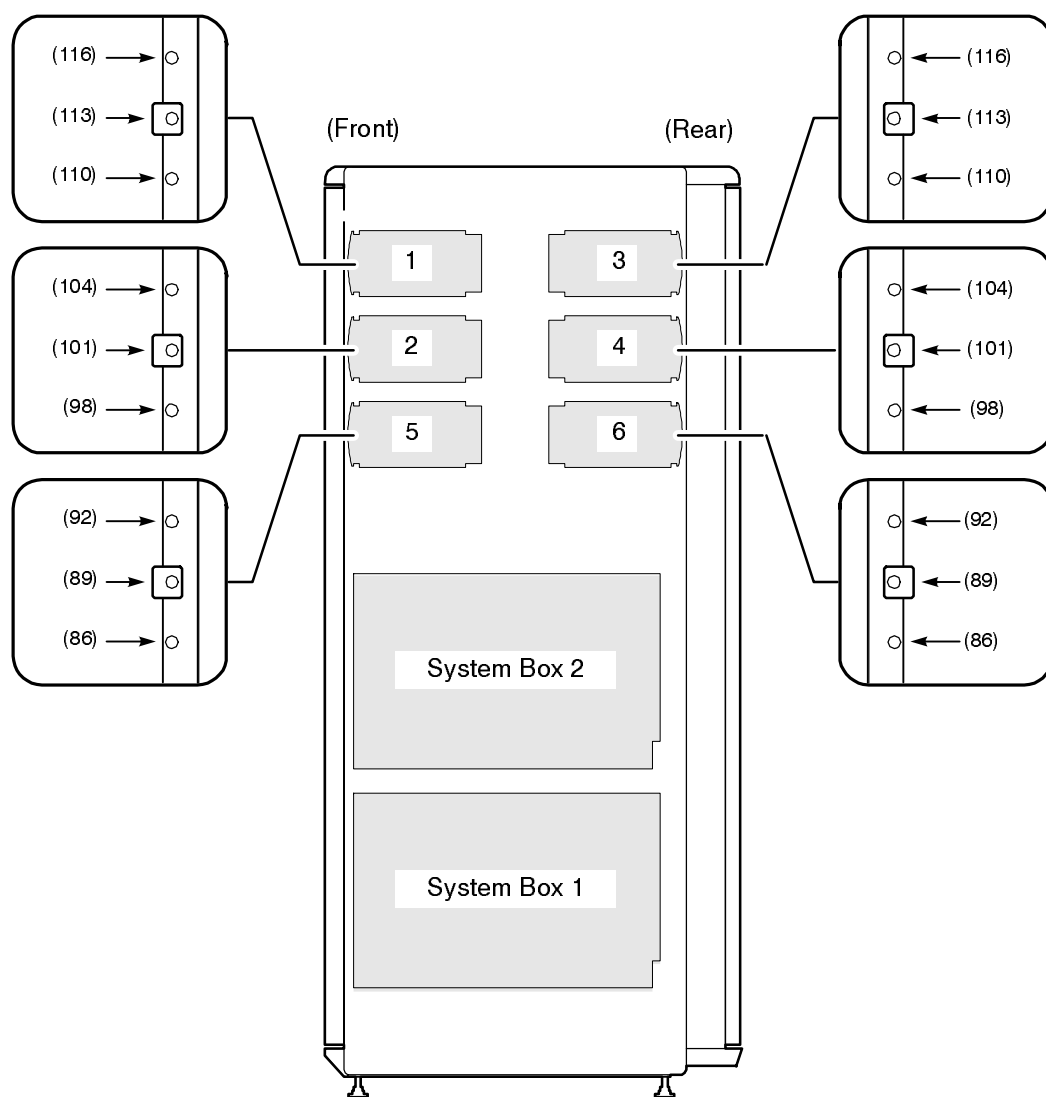
Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 3 of 21)



**AlphaServer 1200 and AlphaServer DS20
STORAGE SHELF MOUNTING LOCATIONS**

**USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 4 of 21)

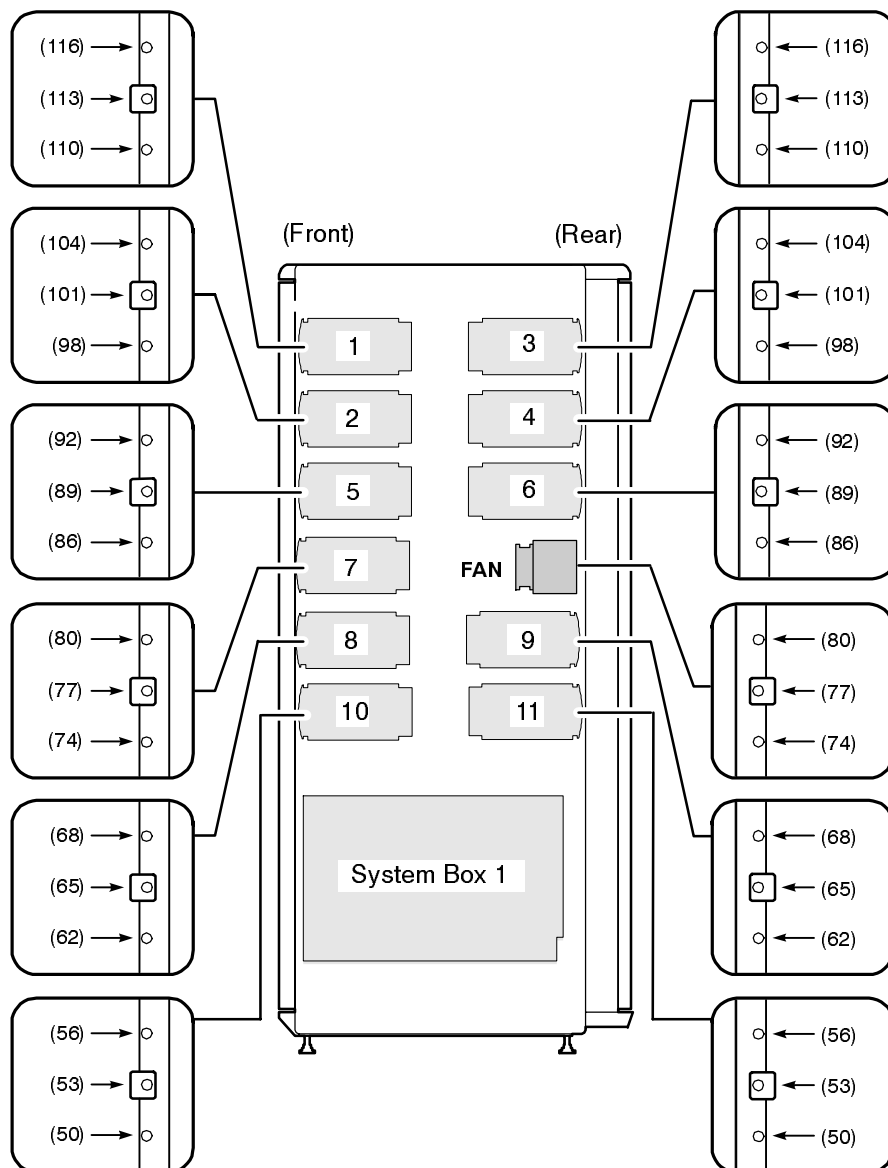


IP-H9A15-3-20

**AlphaServer 1200 and AlphaServer DS20
STORAGE SHELF MOUNTING LOCATIONS**

**USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**

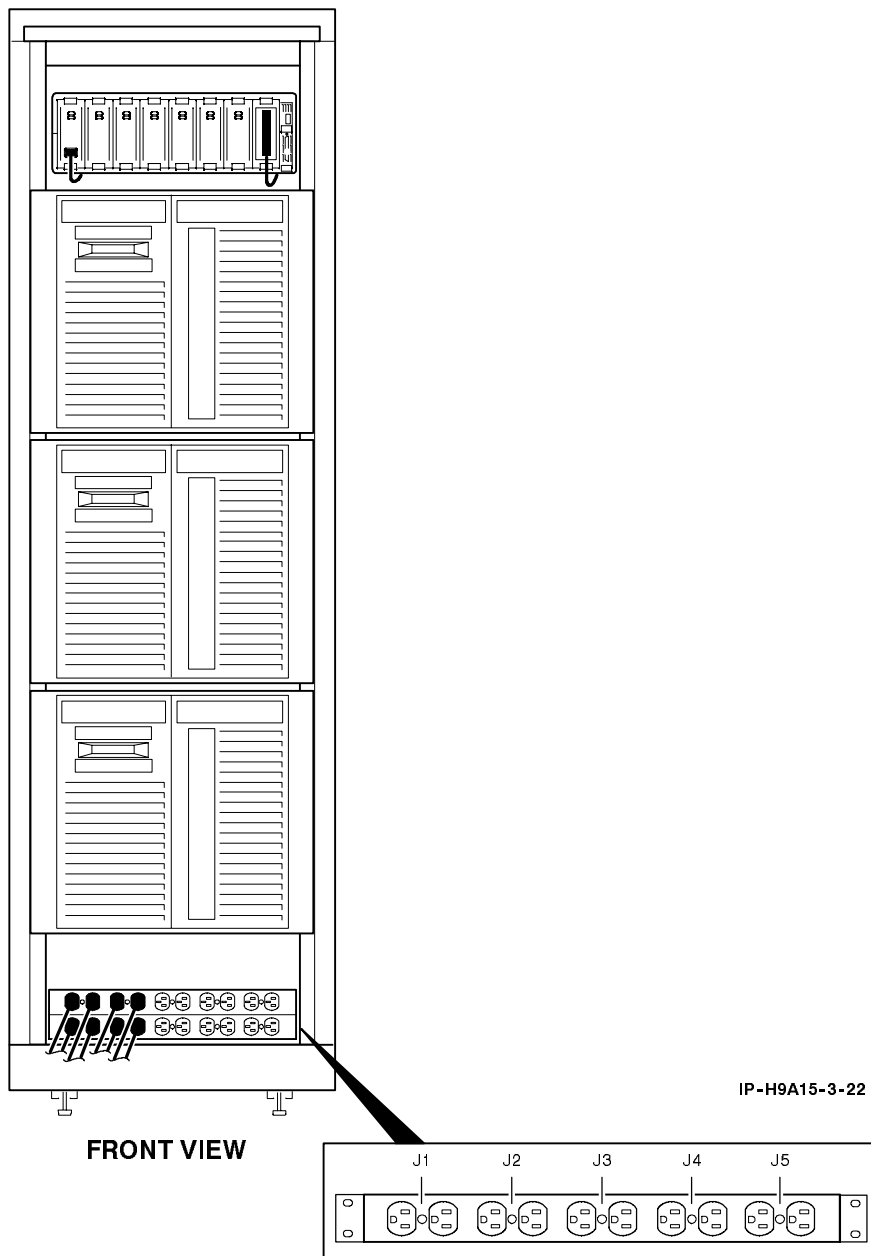
Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 5 of 21)



**AlphaServer 1200 and AlphaServer DS20
STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**

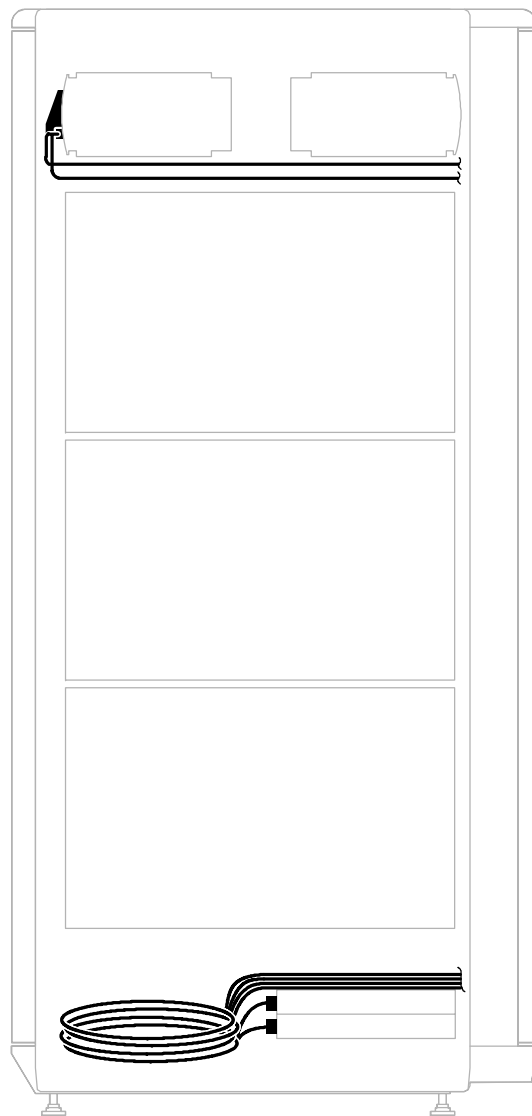
IP-H9A15-3-21

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 6 of 21)



**AlphaServer 1200 and AlphaServer DS20
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 7 of 21)

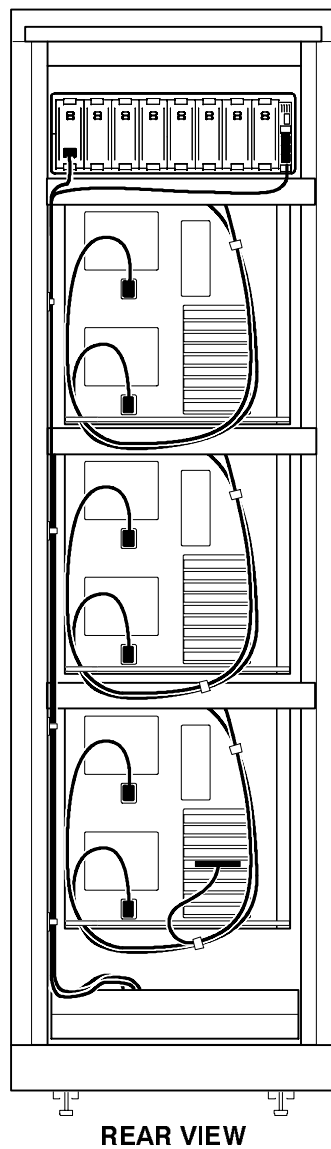


SIDE VIEW

**AlphaServer 1200 and AlphaServer DS20
CABLING CONFIGURATION**

IP-H9A15-3-22A

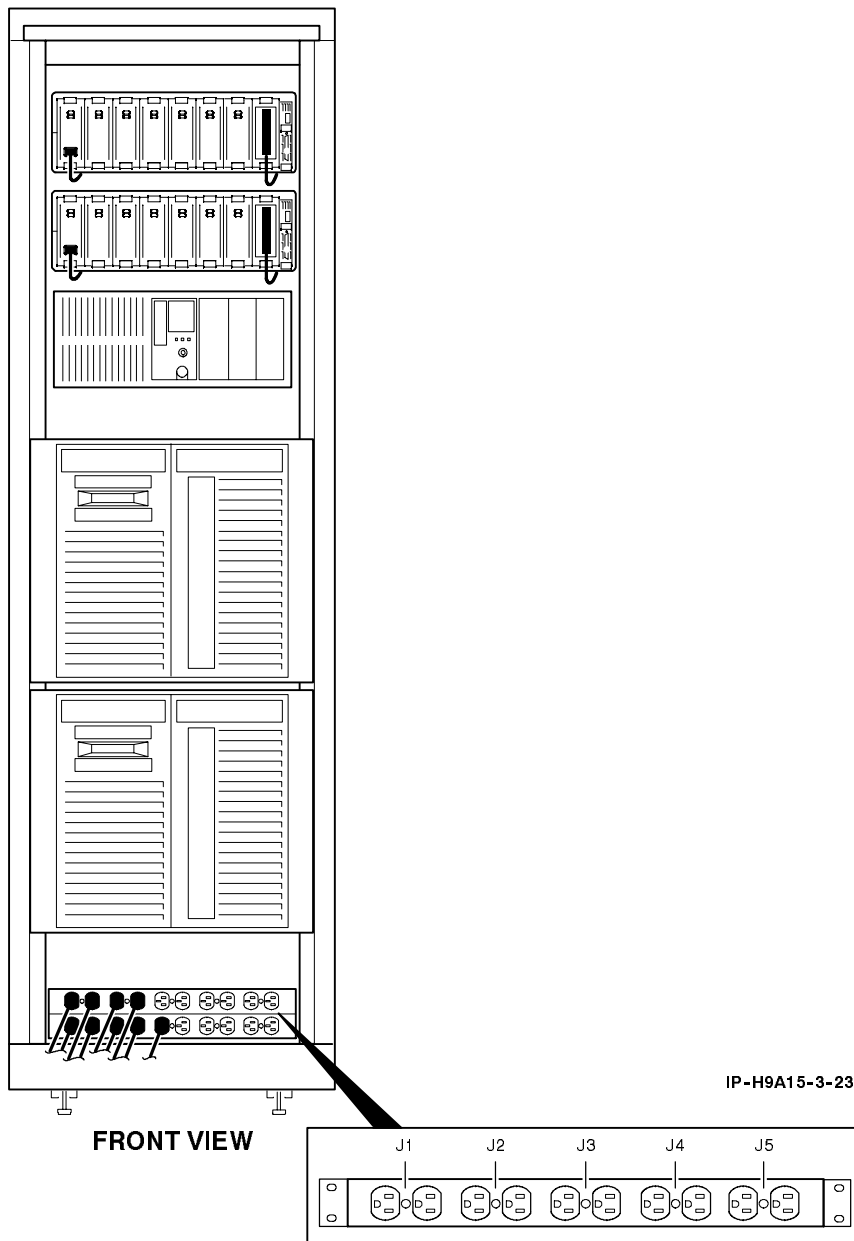
Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 8 of 21)



**AlphaServer 1200 and AlphaServer DS20
CABLING CONFIGURATION**

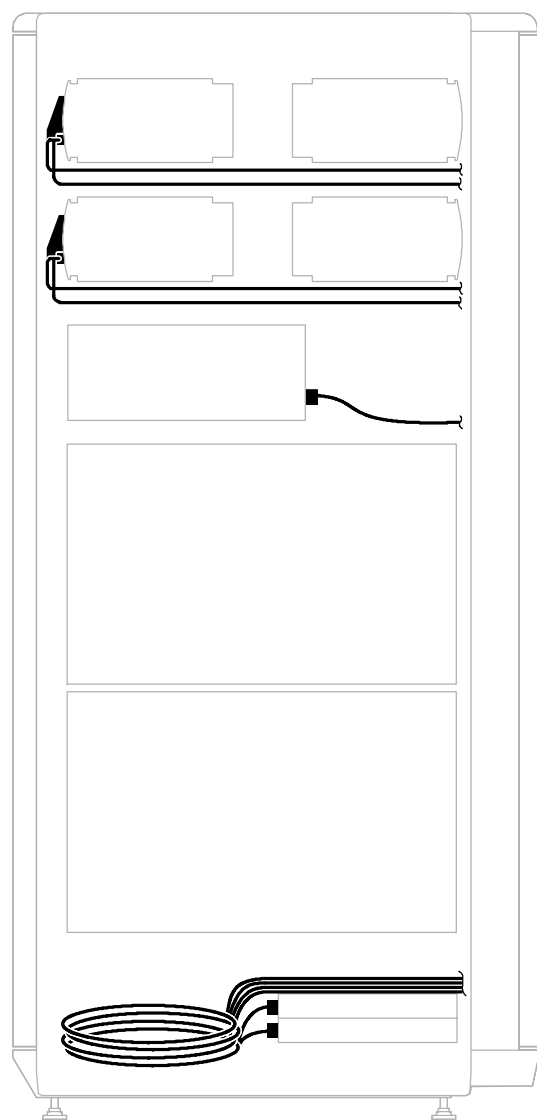
IP-H9A15-3-22B

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 9 of 21)



**AlphaServer 1200 and AlphaServer DS20 w/MEMORY CHANNEL
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 10 of 21)

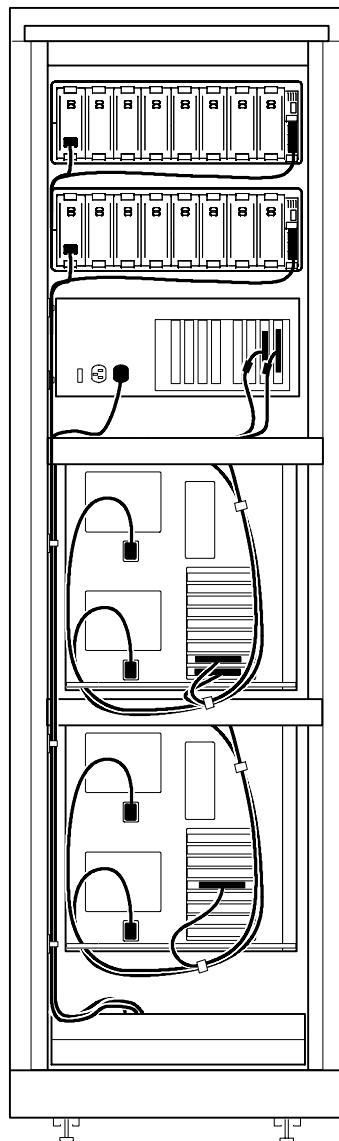


SIDE VIEW

IP-H9A15-3-23A

**AlphaServer 1200 and AlphaServer DS20 w/MEMORY CHANNEL
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 11 of 21)

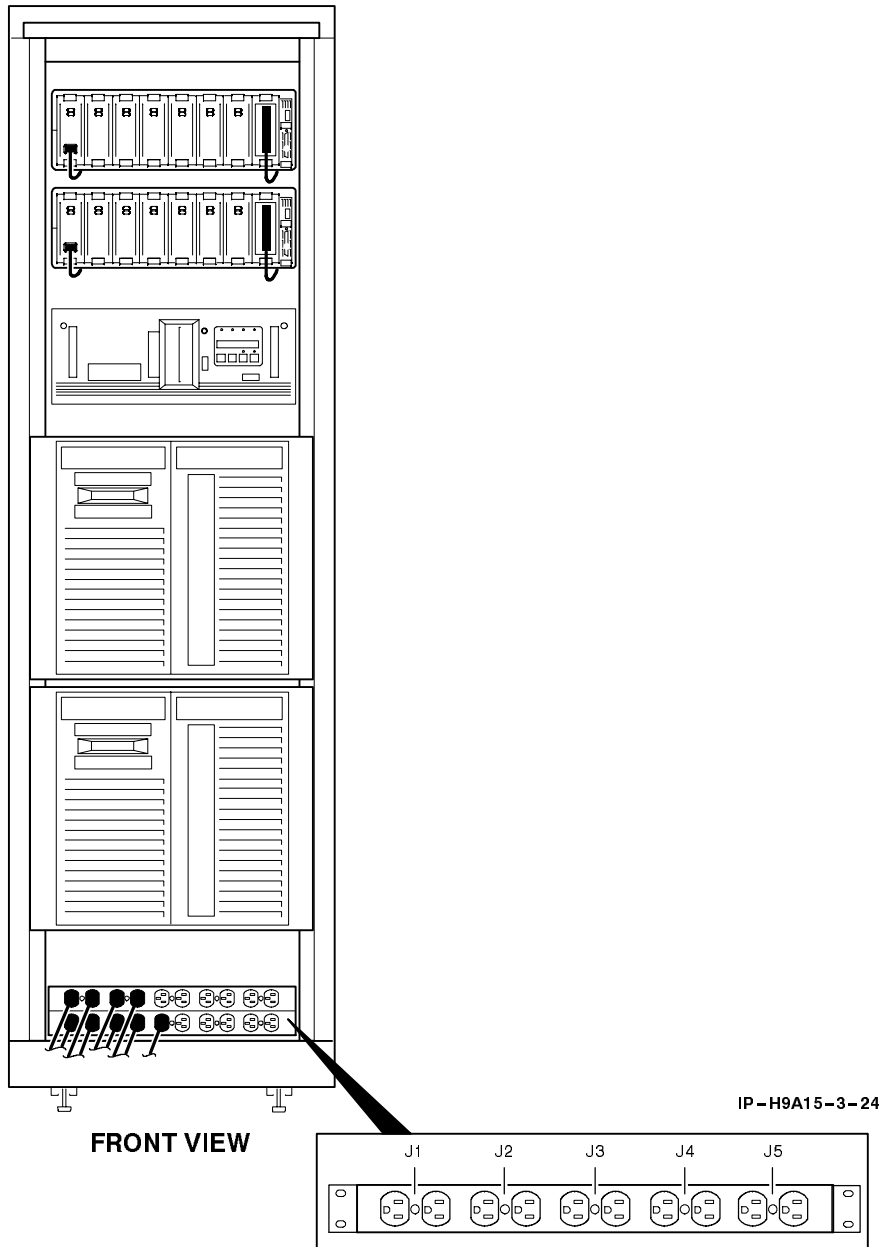


REAR VIEW

IP-H9A15-3-23B

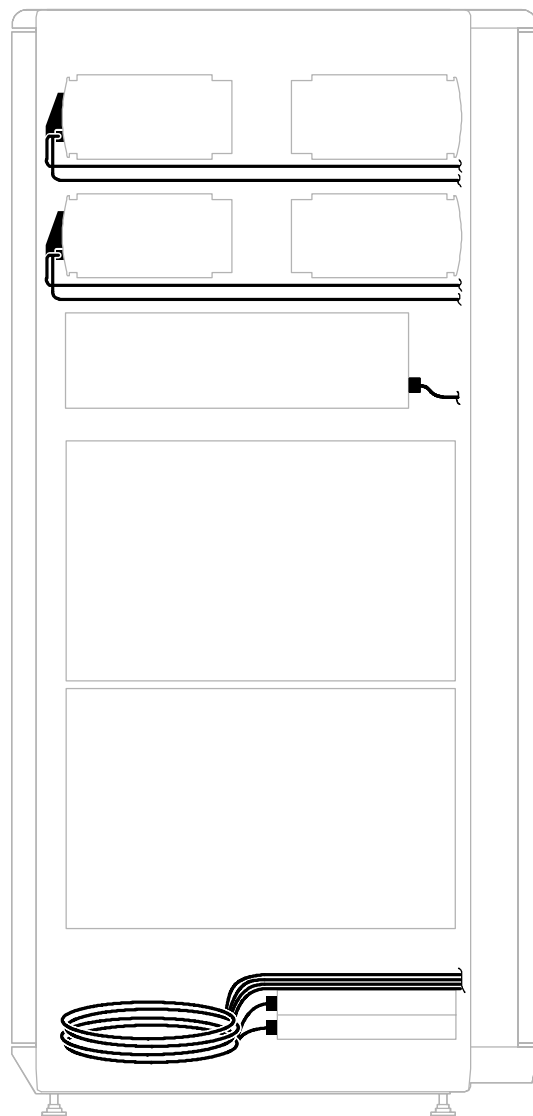
**AlphaServer 1200 and AlphaServer DS20 w/MEMORY CHANNEL
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 12 of 21)



**AlphaServer 1200 and AlphaServer DS20 w/MiniLibrary BASE MODULE
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 13 of 21)

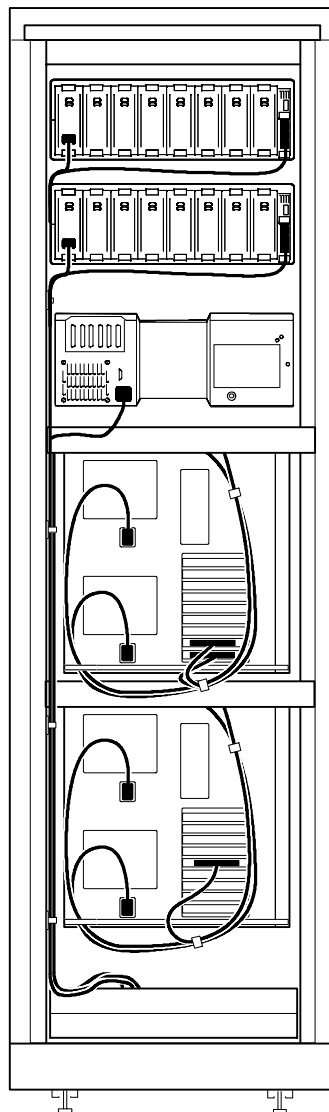


SIDE VIEW

IP-H9A15-3-24A

**AlphaServer 1200 and AlphaServer DS20 w/MiniLibrary BASE MODULE
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 14 of 21)

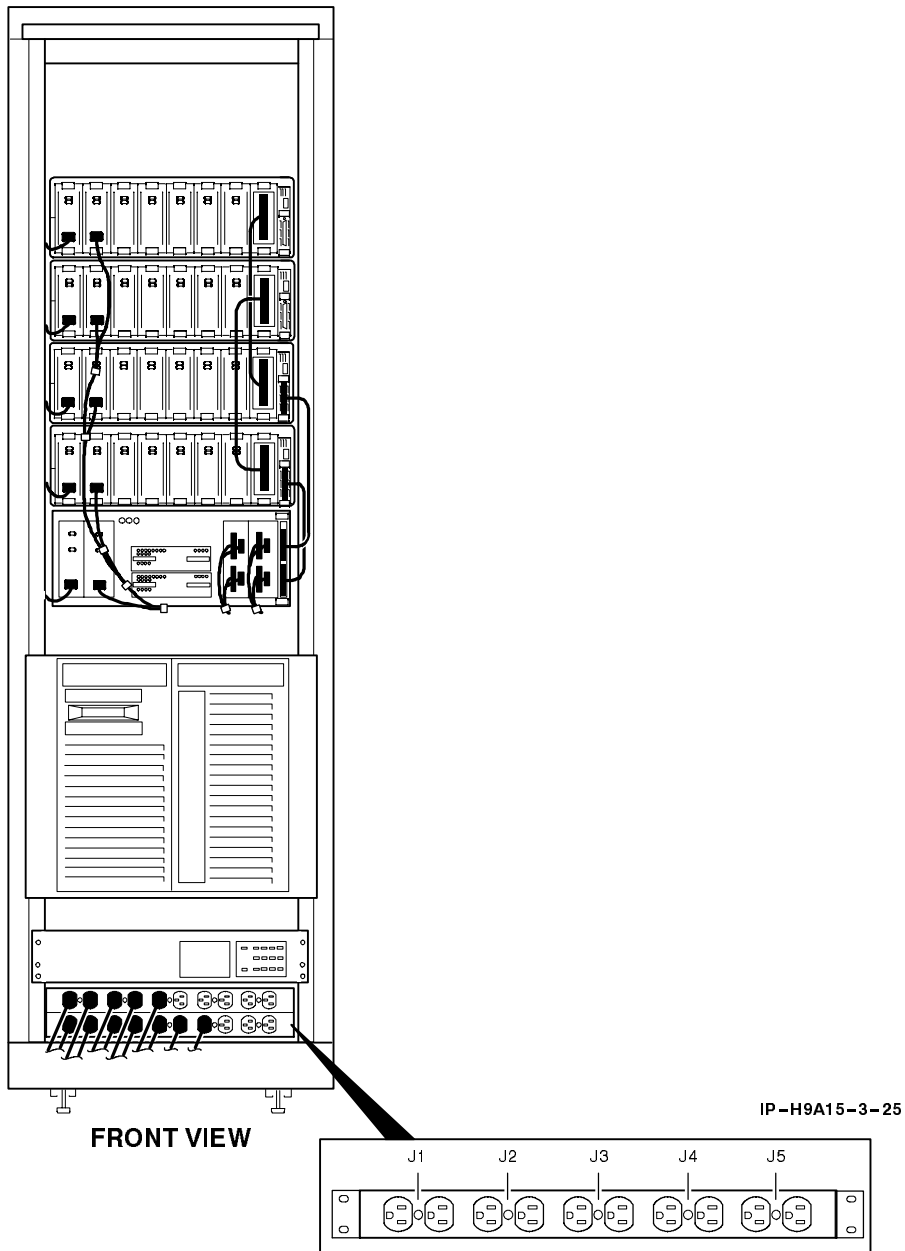


REAR VIEW

IP-H9A15-3-24B

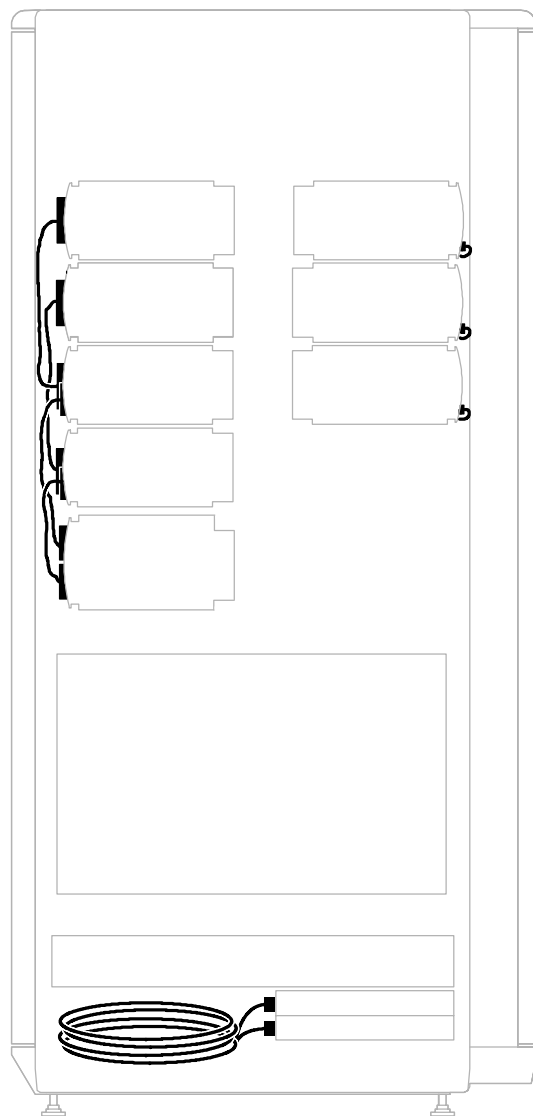
**AlphaServer 1200 and AlphaServer DS20 w/MiniLibrary BASE MODULE
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 15 of 21)



**AlphaServer 1200 and AlphaServer DS20 w/RAID Array 3000
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 16 of 21)

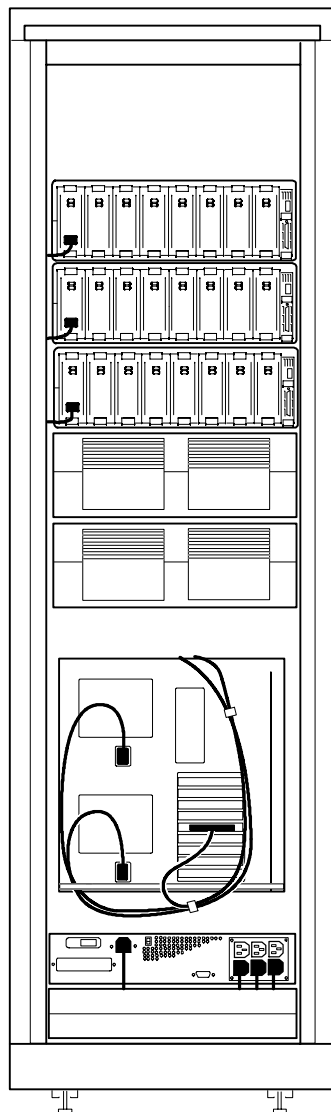


SIDE VIEW

IP-H9A15-3-25A

**AlphaServer 1200 and AlphaServer DS20 w/RAID Array 3000
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 17 of 21)

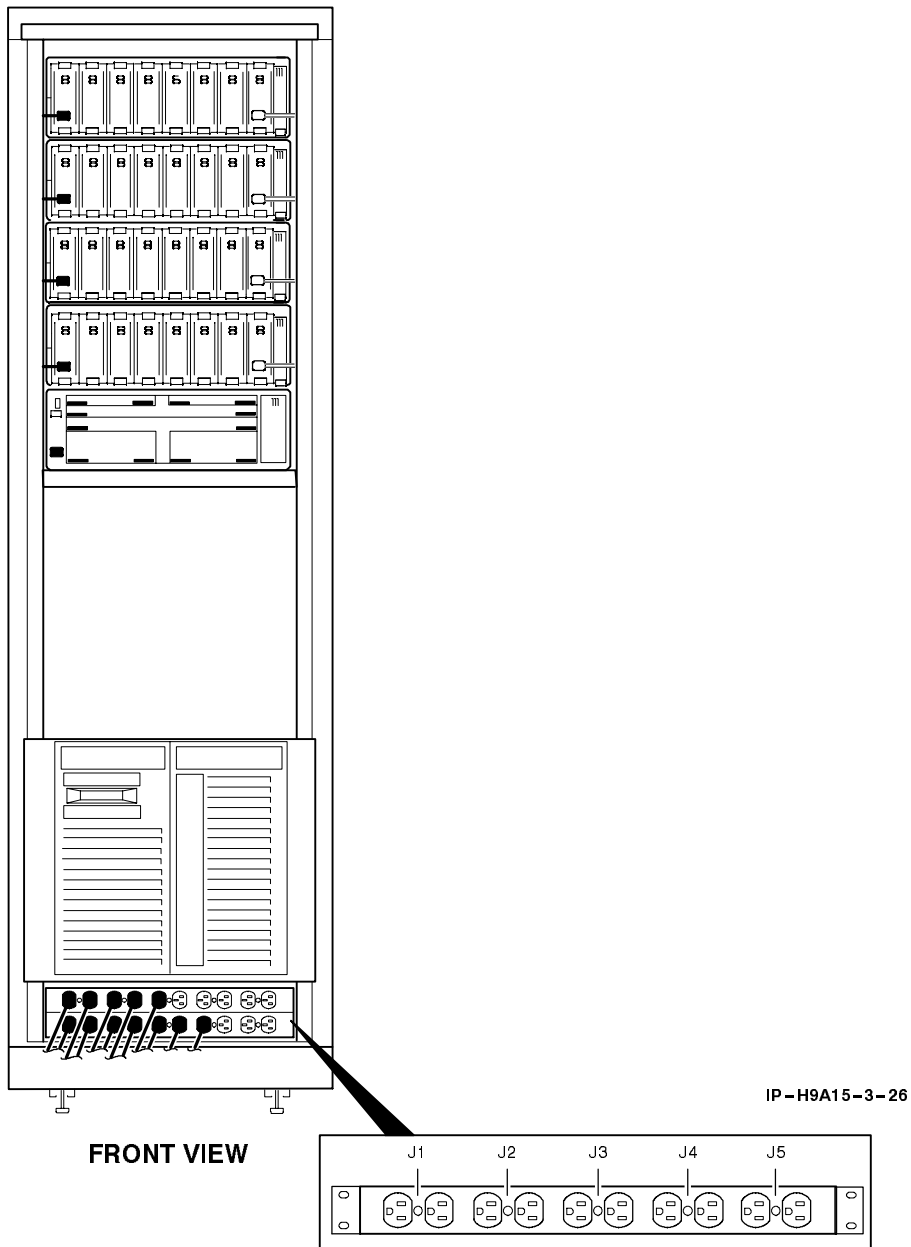


REAR VIEW

IP-H9A15-3-25B

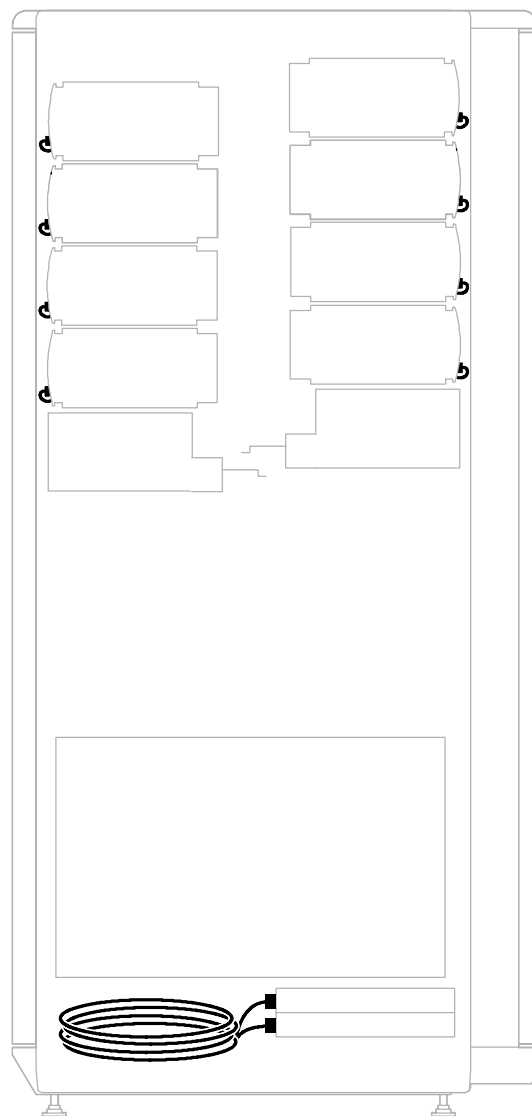
**AlphaServer 1200 and AlphaServer DS20 w/RAID Array 3000
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 18 of 21)



**AlphaServer 1200 and AlphaServer DS20 w/RAID Array 7000
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 19 of 21)

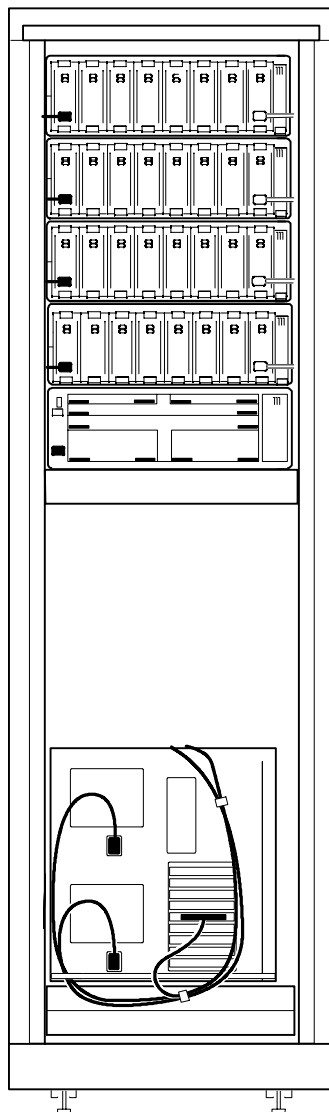


SIDE VIEW

IP-H9A15-3-26A

**AlphaServer 1200 and AlphaServer DS20 w/RAID Array 7000
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 20 of 21)

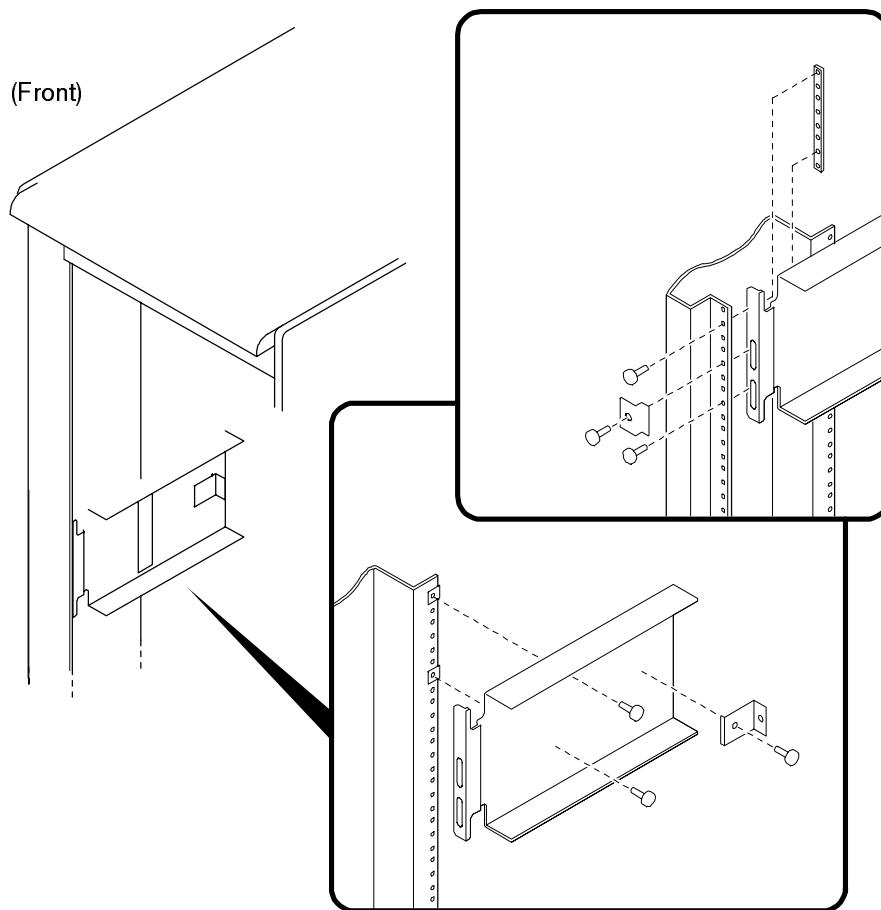


REAR VIEW

IP-H9A15-3-26B

**AlphaServer 1200 and AlphaServer DS20 w/RAID Array 7000
CABLING CONFIGURATION**

Figure 5. AlphaServer 1200 and DS20 Mounting and Cabling (Sheet 21 of 21)

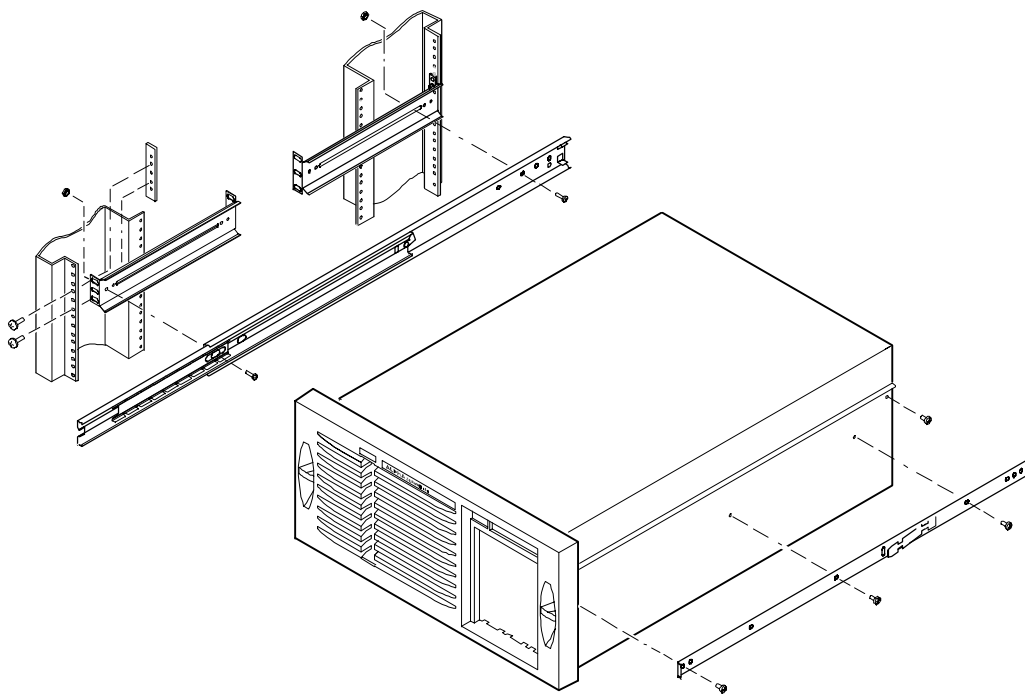


USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24

IP-H9A15-3-5B

STORAGE SHELF MOUNTING

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 1 of 22)

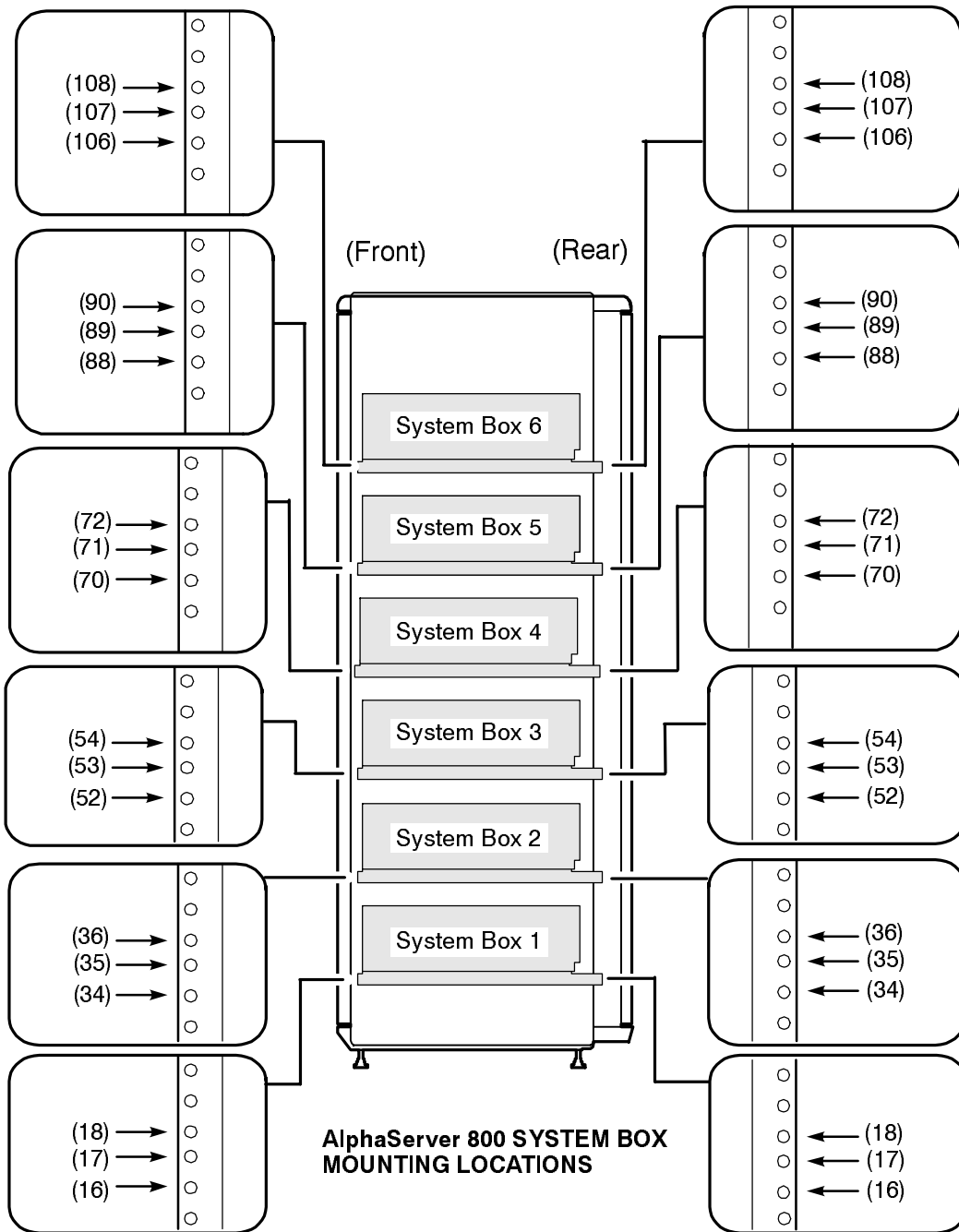


SYSTEM BOX MOUNTING

REFER TO:
AlphaServer 800 RACK MOUNT KIT
PB8HA-BA

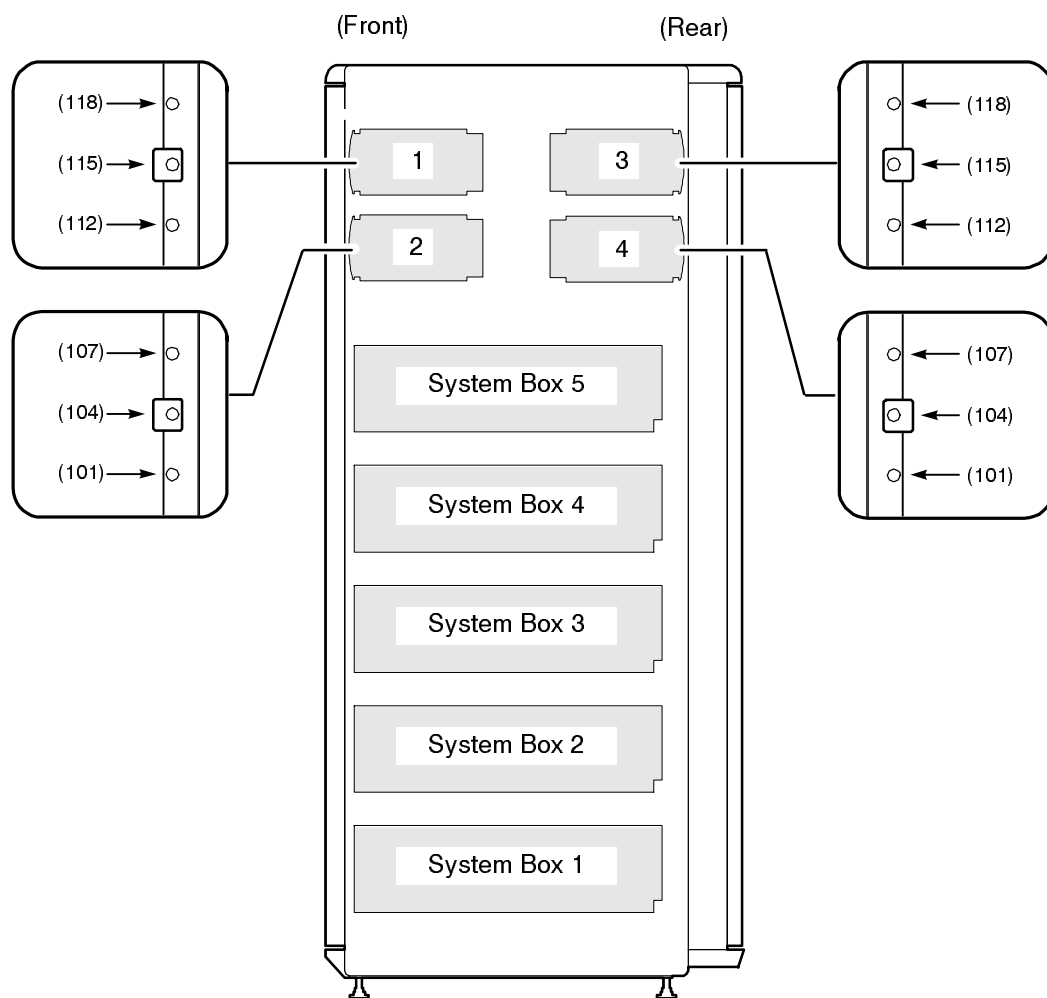
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Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 2 of 22)



IP-H9A15-3-28

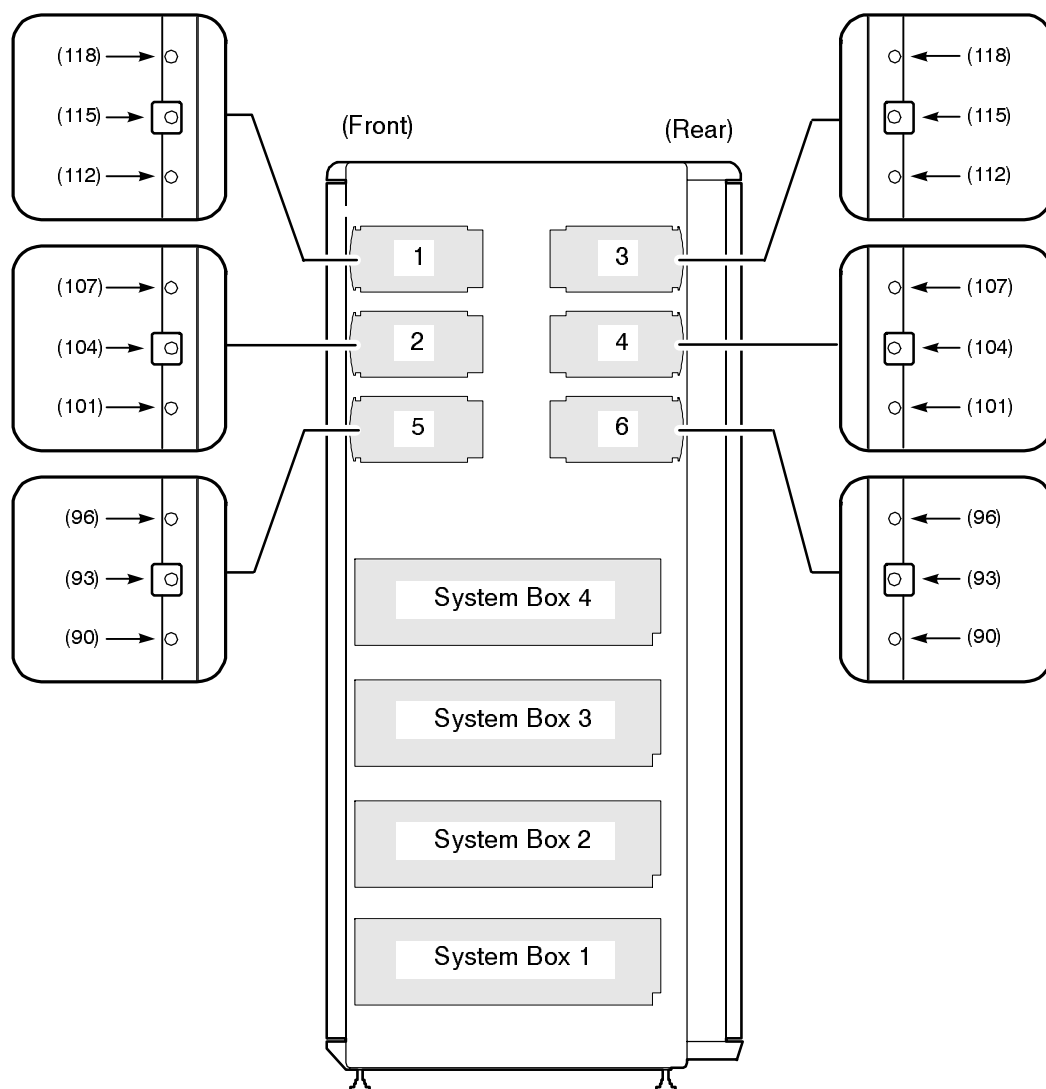
Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 3 of 22)



AlphaServer 800 STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24

IP-H9A15-3-29

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 4 of 22)



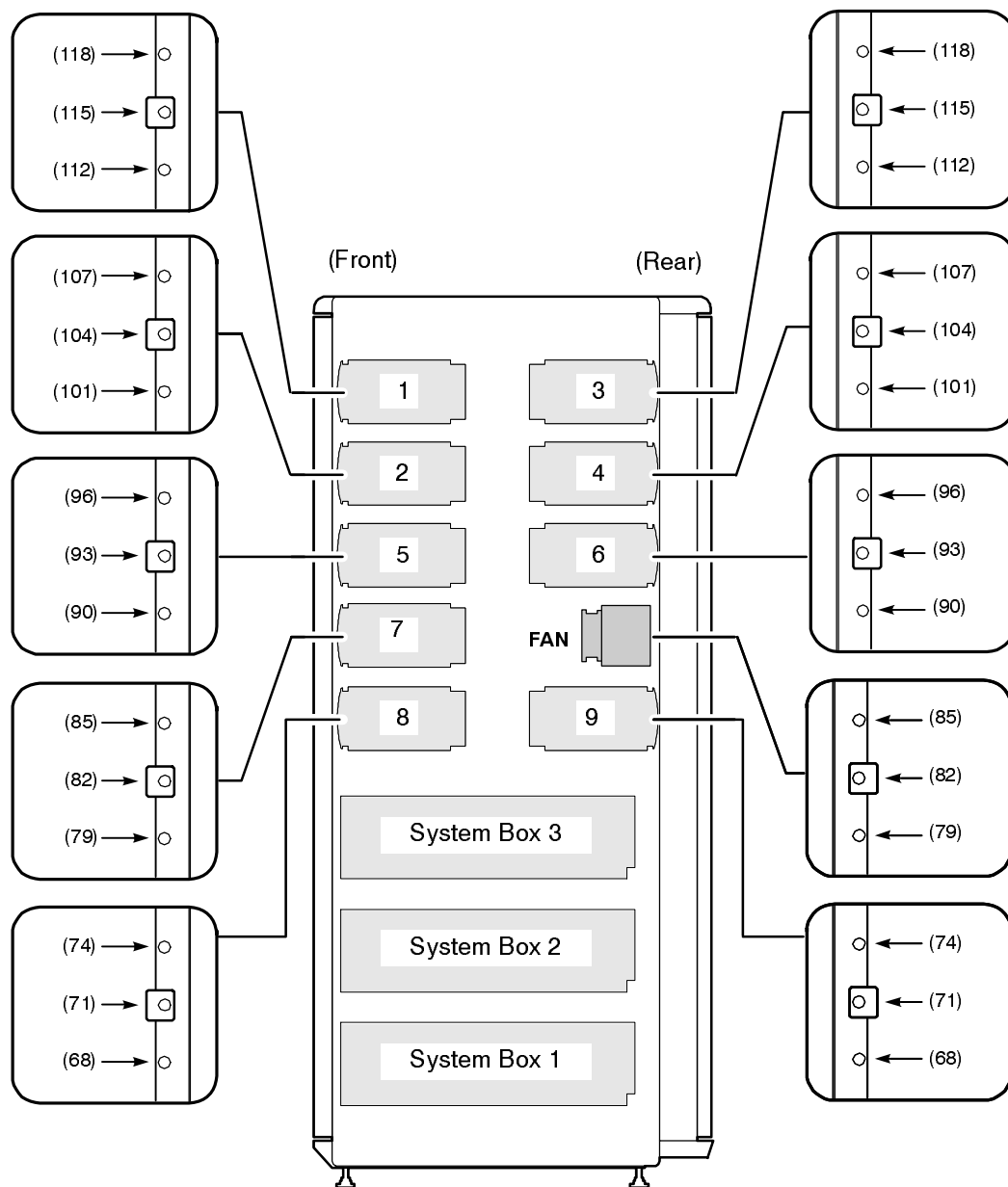
AlphaServer 800 STORAGE SHELF MOUNTING LOCATIONS

USING BA35X-RB MOUNTING KIT

FOR BA35X-RK MOUNTING KIT, SEE PAGE 24

IP-H9A15-3-30

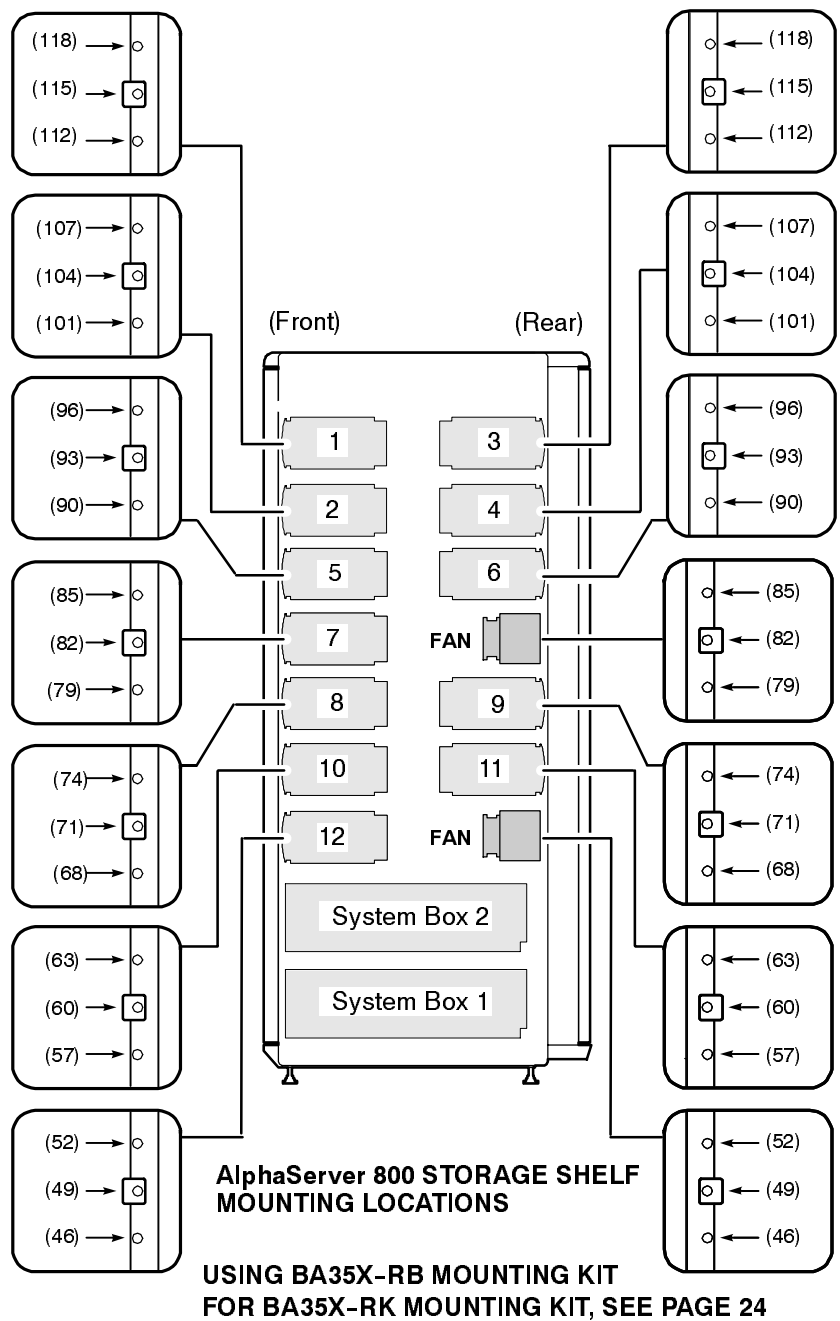
Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 5 of 22)



**AlphaServer 800 STORAGE SHELF MOUNTING LOCATIONS
USING BA35X-RB MOUNTING KIT
FOR BA35X-RK MOUNTING KIT, SEE PAGE 24**

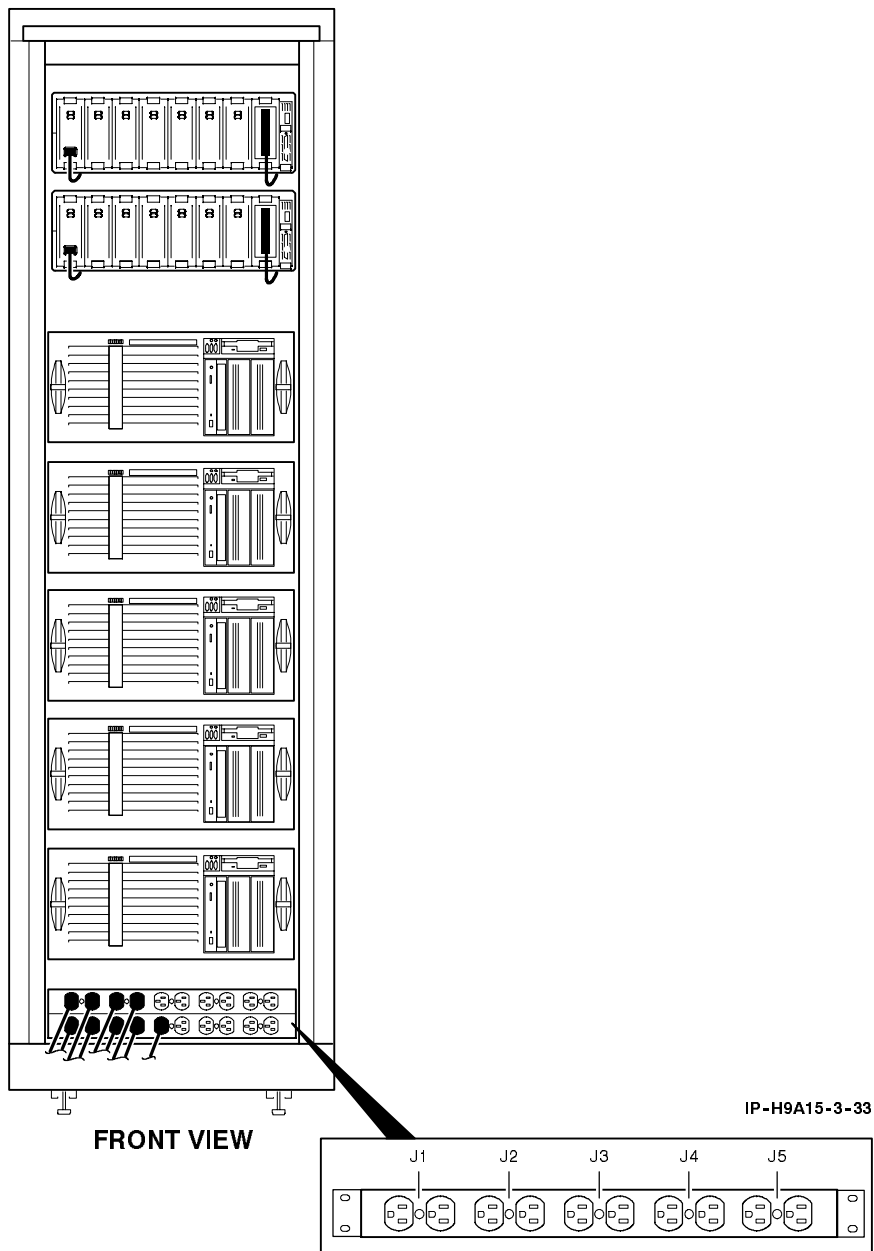
IP-H9A15-3-31

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 6 of 22)



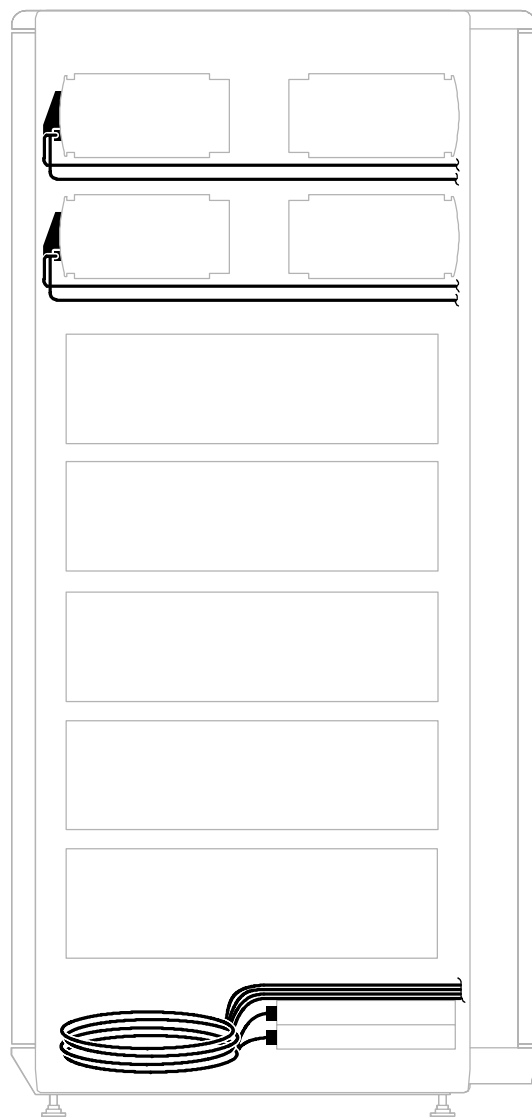
IP-H9A15-3-32

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 7 of 22)



AlphaServer 800 CABLING CONFIGURATION

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 8 of 22)

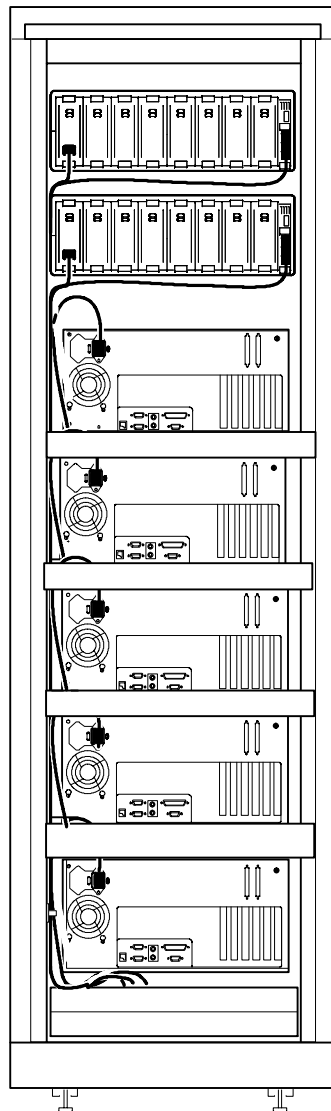


SIDE VIEW

IP-H9A15-3-33A

AlphaServer 800 CABLING CONFIGURATION

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 9 of 22)

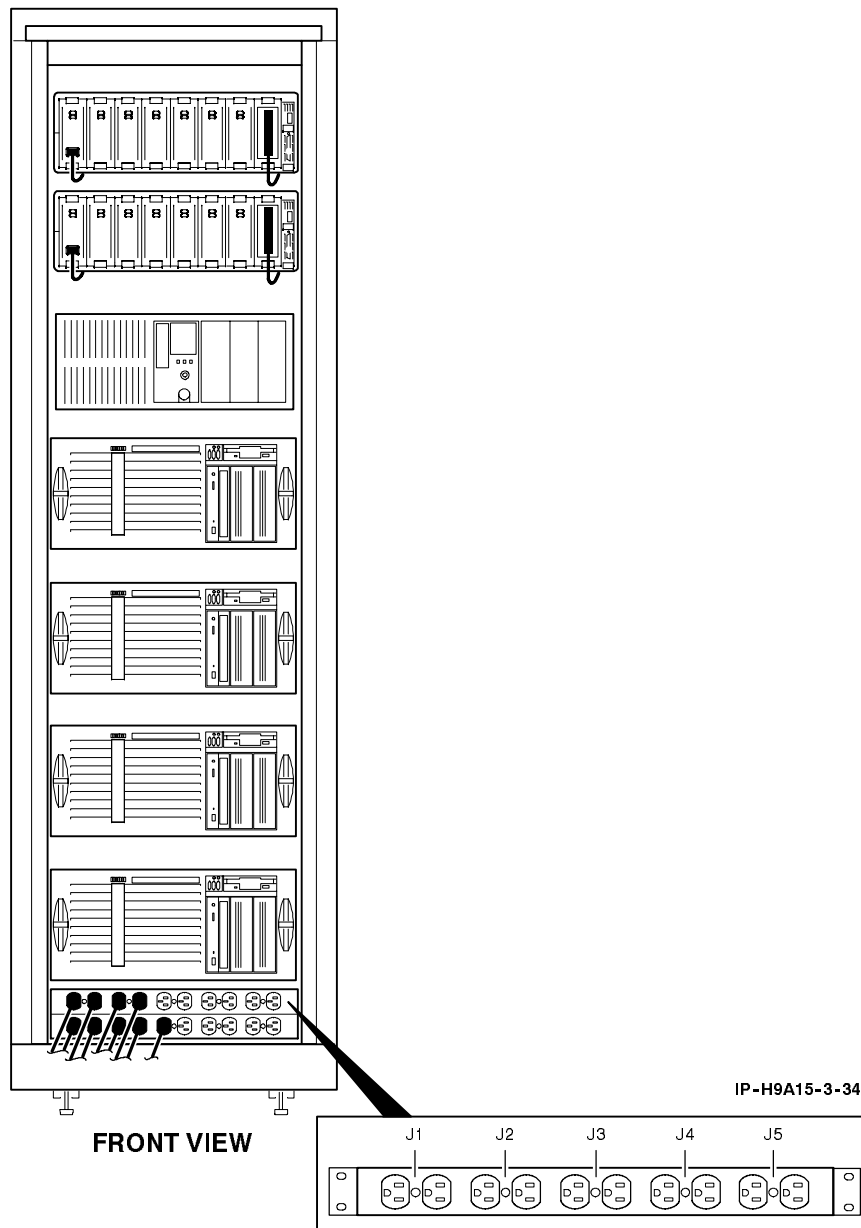


REAR VIEW

IP-H9A15-3-33B

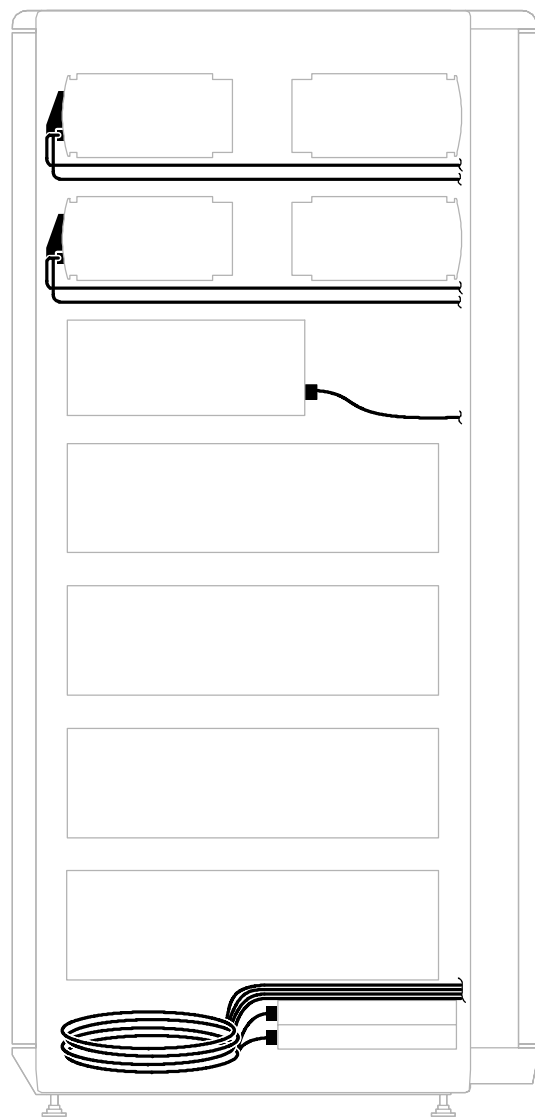
AlphaServer 800 CABLING CONFIGURATION

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 10 of 22)



AlphaServer 800 w/MEMORY CHANNEL CABLING CONFIGURATION

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 11 of 22)

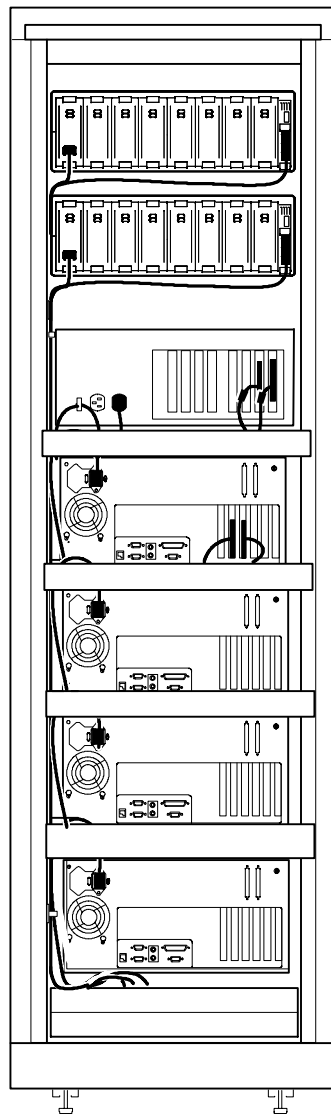


SIDE VIEW

IP-H9A15-3-34A

AlphaServer 800 w/MEMORY CHANNEL CABLING CONFIGURATION

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 12 of 22)

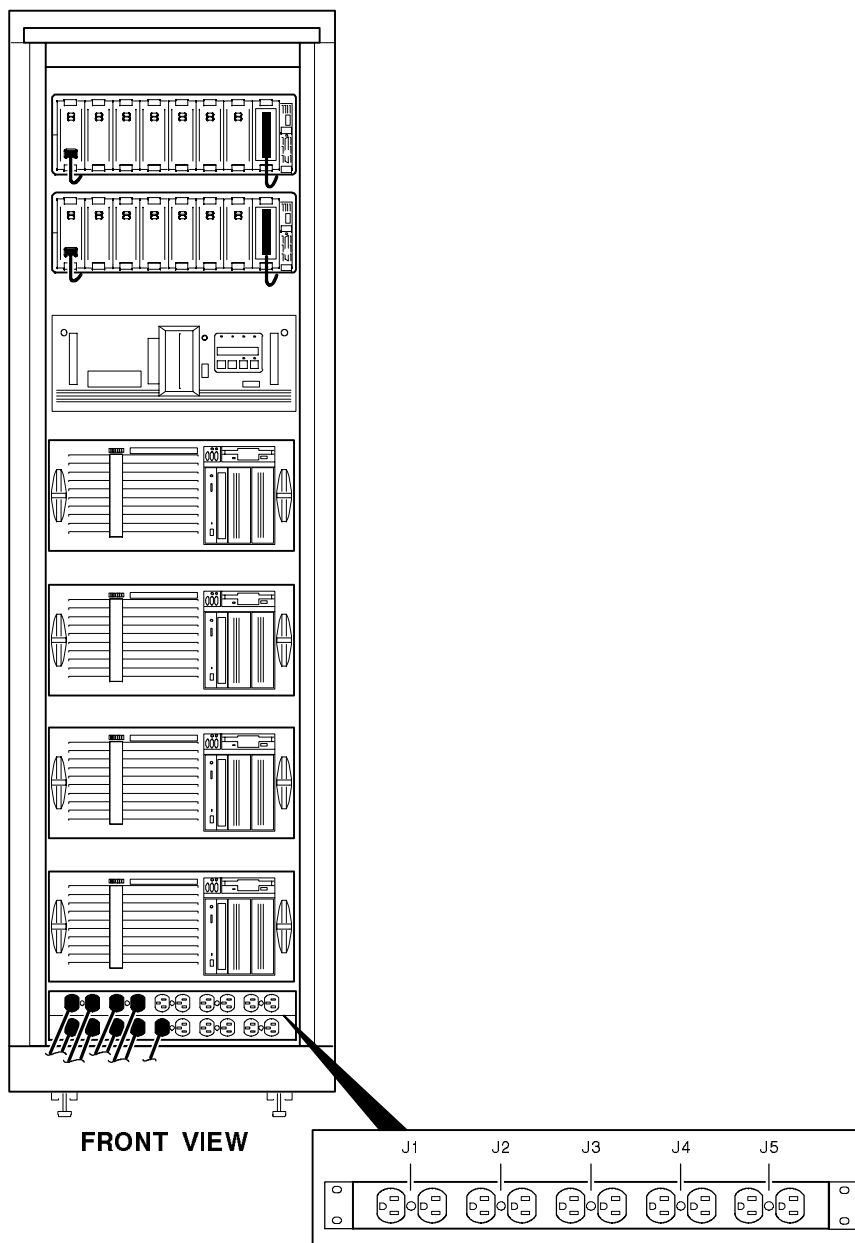


REAR VIEW

AlphaServer 800 w/MEMORY CHANNEL CABLING CONFIGURATION

IP-H9A15-3-34B

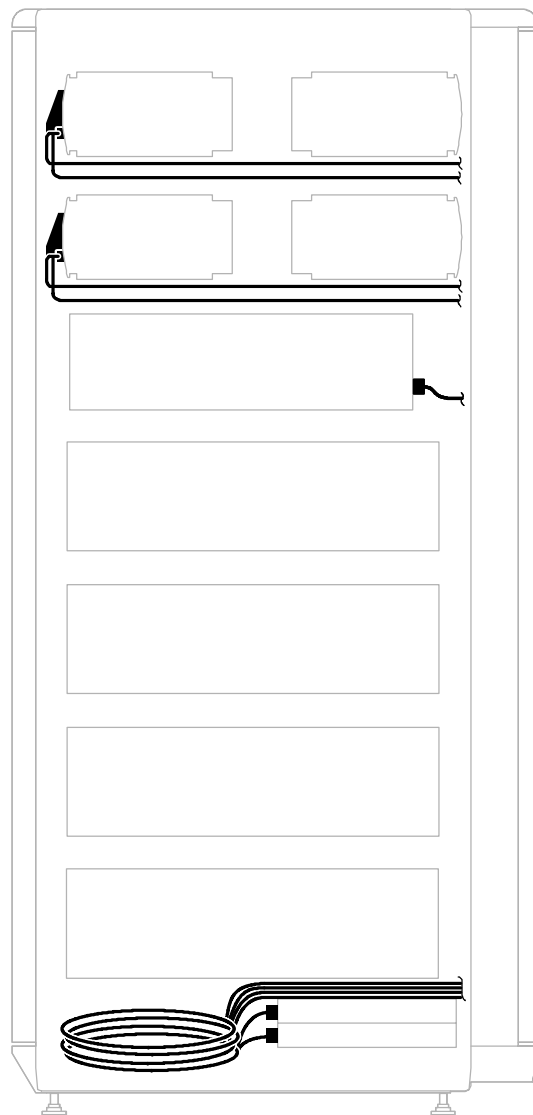
Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 13 of 22)



FRONT VIEW

AlphaServer 800 w/DLT MiniLibrary BASE MODULE IP-H9A15-3-35
CABLING CONFIGURATION

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 14 of 22)

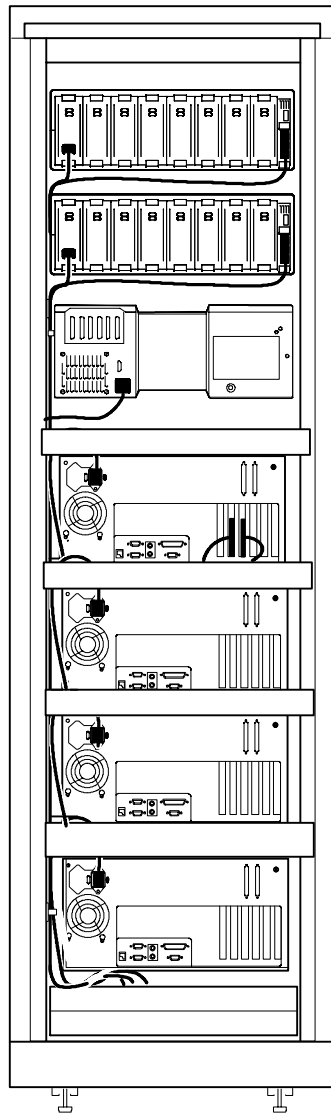


SIDE VIEW

**AlphaServer 800 w/DLT MiniLibrary BASE MODULE
CABLING CONFIGURATION**

IP-H9A15-3-35A

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 15 of 22)

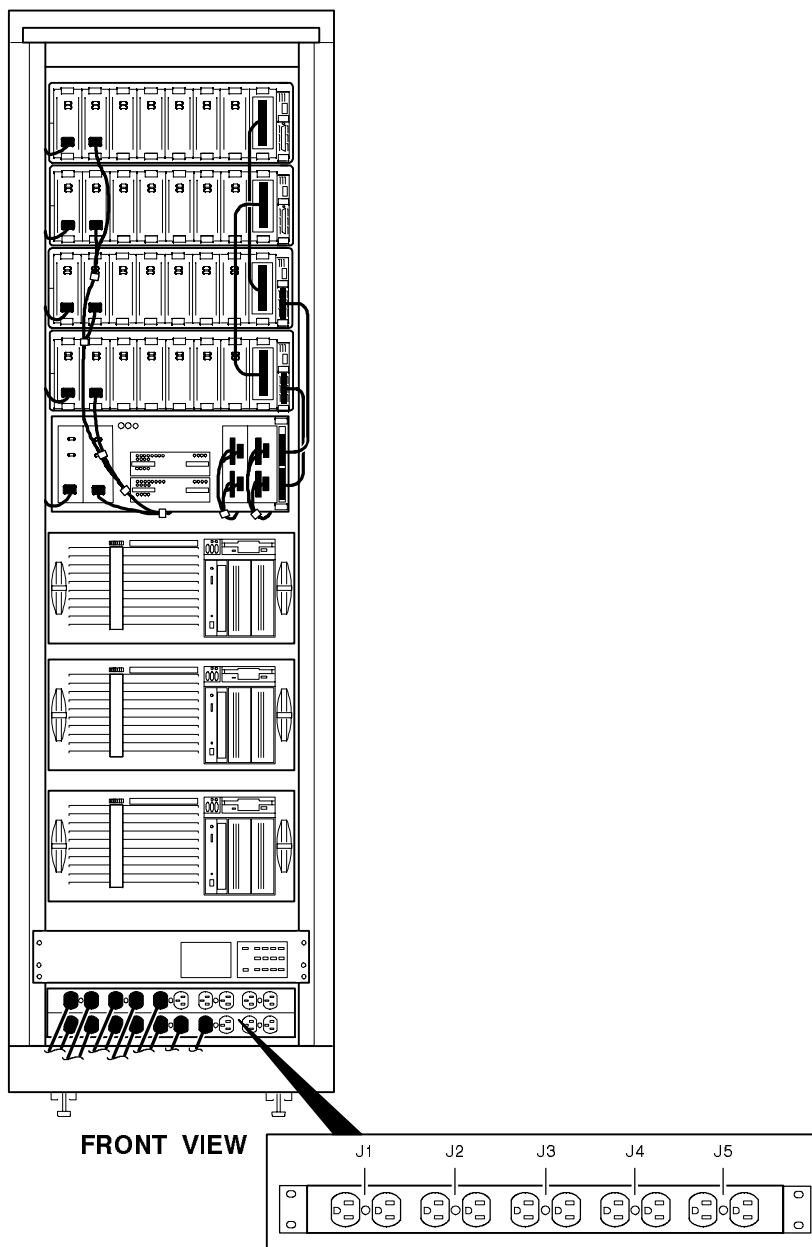


REAR VIEW

**AlphaServer 800 w/DLT MiniLibrary BASE MODULE
CABLING CONFIGURATION**

IP-H9A15-3-35B

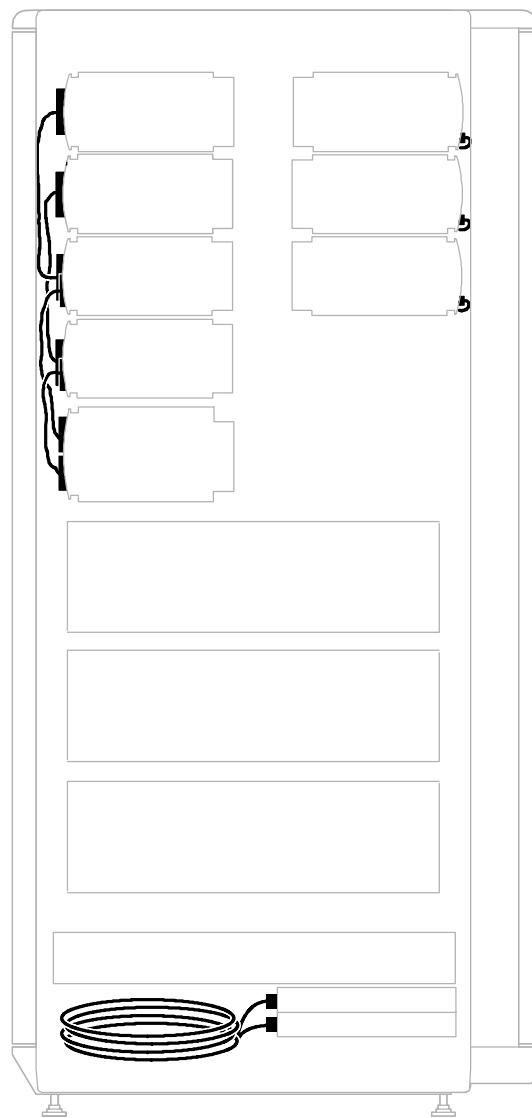
Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 16 of 22)



**AlphaServer 800 w/RAID Array 3000
CABLING CONFIGURATION**

IP-H9A15-3-36

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 17 of 22)

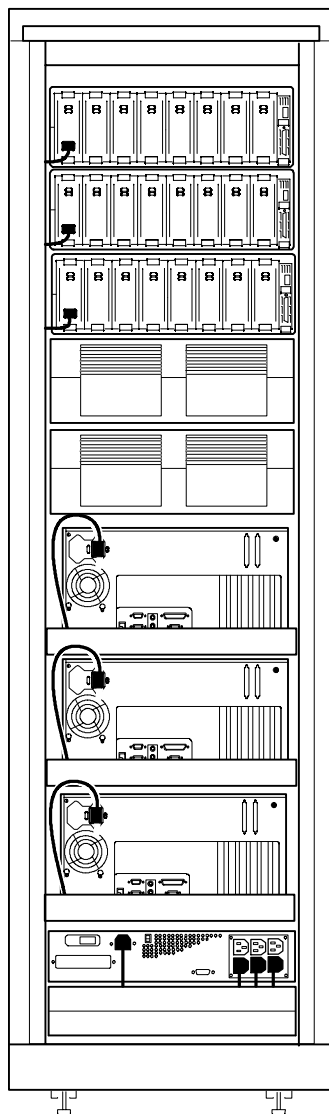


SIDE VIEW

**AlphaServer 800 w/RAID Array 3000
CABLING CONFIGURATION**

IP-H9A15-3-36A

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 18 of 22)

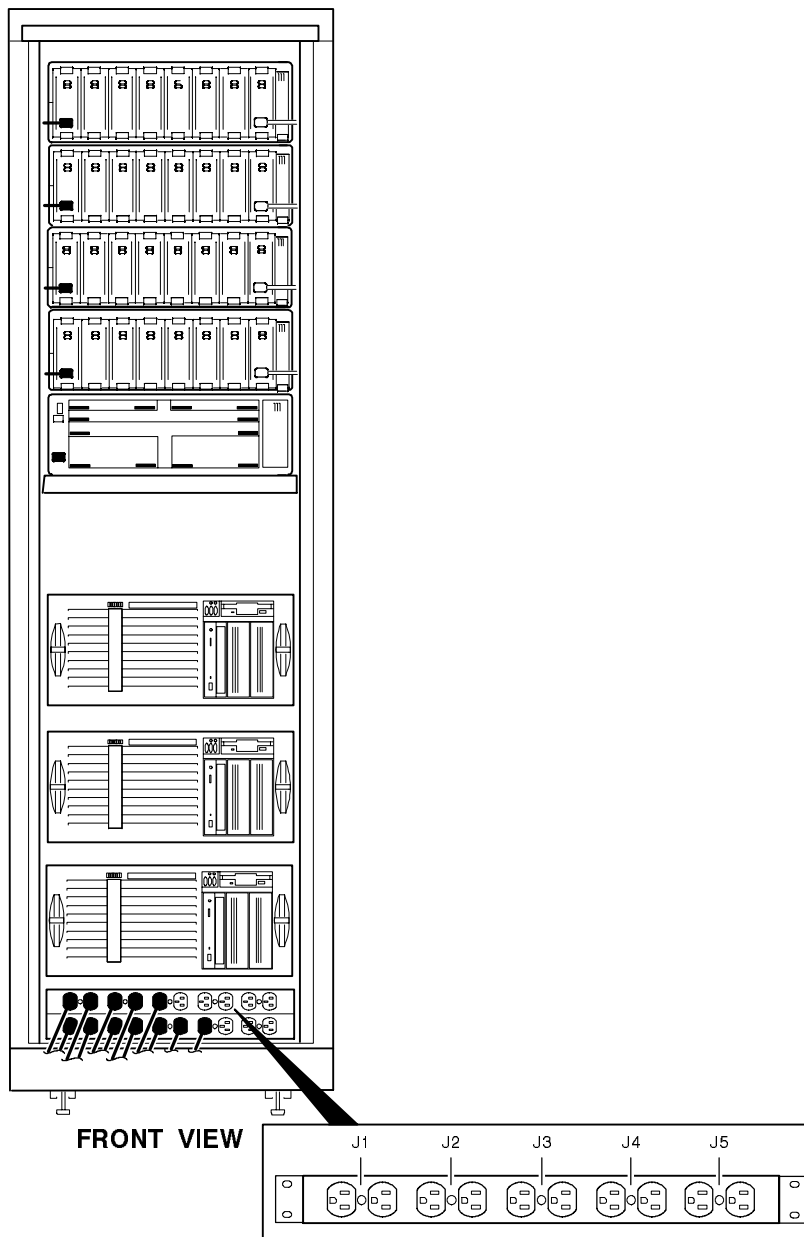


REAR VIEW

**AlphaServer 800 w/RAID Array 3000
CABLING CONFIGURATION**

IP-H9A15-3-36B

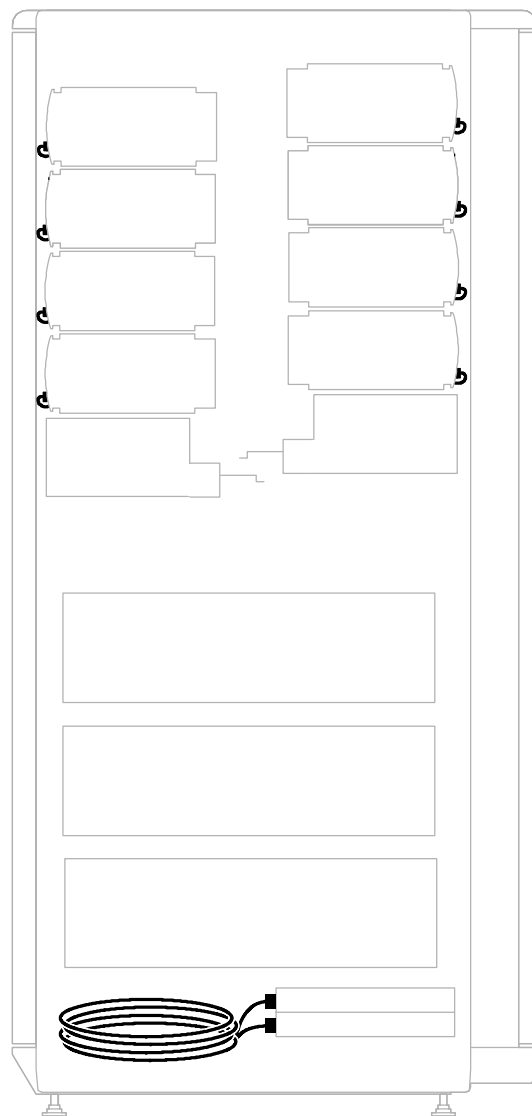
Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 19 of 22)



**AlphaServer 800 w/RAID Array 7000
CABLING CONFIGURATION**

IP-H9A15-3-37

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 20 of 22)

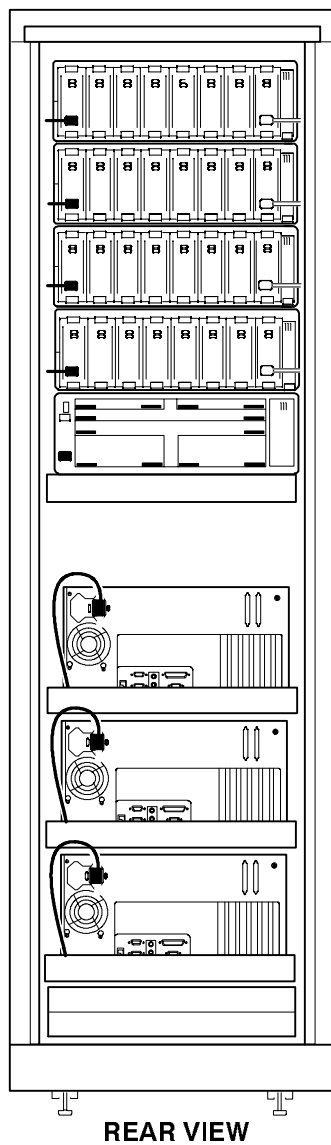


SIDE VIEW

**AlphaServer 800 w/RAID Array 7000
CABLING CONFIGURATION**

IP-H9A15-3-37A

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 21 of 22)



**AlphaServer 800 w/RAID Array 7000
CABLING CONFIGURATION**

IP-H9A15-3-37B

Figure 6. AlphaServer 800 Mounting and Cabling (Sheet 22 of 22)

PART NUMBER/DESCRIPTION INDEX 

INDEX BY DIGITAL PART NUMBER
H9A15 M-Series Cabinet

PART NUMBER	DESCRIPTION	FIG.-ITEM NUMBER
12-24023-01	Cable Assembly w/Wrist Strap	2-8
17-00083-04	Power Cord, 250V (108 Inch)	1-N/A
17-00083-05	Power Cord, 125V (108 Inch)	1-N/A
17-00083-09	Power Cord, 125V (75 Inch)	1-N/A
17-00083-10	Power Cord, 125V (75 Inch)	1-N/A
17-00365-01	Cable Assembly, Jumper, 10 Ft. (Not Shown)	1-8
17-00606-02	Power Cord, 125V (75 Inch)	1-N/A
17-00606-04	Power Cord, 125V (120 Inch)	1-7, 1-N/A
2T-BA370-AR	RAID Array 7000 (Rear Mount)	1-N/A
2T-BA370-AS	RAID Array 7000 (w/Front Slide Kit)	1-N/A
2T-BA370-FI	BA370 Field Installation Kit	3-N/A
2T-BEZEL	Blank Bezel Installation Kit	1-N/A
2T-INTLK-27	H7600 Interlock Kit (H9A15) (Not Shown)	2-2
2T-R1200-AA	AlphaServer 1200 Rack Mount Kit (Gray) (See Page 9 for Power Cords)	1-N/A
2T-R1200-AB	AlphaServer 1200 Rack Mount Kit (Blue) (See Page 9 for Power Cords)	1-N/A
2T-SW8XF-ER	Flushing Fan Kits (Rear) (240V)	1-N/A
2T-SW8XF-SR	Flushing Fan Kits (Rear) (120V)	1-N/A
36-13209-02	Label, "Electrical Data", Adhesive Backed	2-3
36-18384-01	Label, "Caution Stabilizer Foot"	2-5
36-22516-01	Label, "Warning High Leakage Current"	1-10
36-41348-88	Label, "Regulatory" (U.S.)	1-9
36-41348-91	Label, "Regulatory" (U.K.)	1-9
36-41348-92	Label, "Regulatory" (Singapore)	1-9
36-46657-01	Label, "Caution 2 Power Cord Multi-Language Service Information"	2-10
37-05062-03	Package Assembly (Not Shown)	2-6
3X-H7601-AA	Power Strip Assembly (120V)	1-N/A
3X-H7601-AB	Power Strip Assembly (240V)	1-N/A
70-32032-01	Fan Tray, Cabinet	1-15
70-33671-01	Cabinet Assembly, H9A15, EIA, Gray	2-1
70-33671-02	Cabinet Assembly, H9A15, EIA, Blue	2-1
70-33710-01	Bezel Assembly, Front , Gray	1-3
70-33710-02	Bezel Assembly, Front, Blue	1-3
74-53317-01	Bracket, Front Bezel, Right Hand	1-4
74-53317-02	Bracket, Front Bezel, Left Hand	1-4
90-00063-39	Screw, Truss Hd 10-32 x 1/2	1-11
90-07786-01	Nut, U-Nut 10-32	1-12, 2-4
90-09228-10	Screw, Sems Pan Hd 10-32 x 3/8	2-9
90-11195-01	Fastener, Clip On	1-14
90-40148-02	Nut, Kep M5	1-13

INDEX BY DIGITAL PART NUMBER

H9A15 M-Series Cabinet

PART NUMBER	DESCRIPTION	FIG.-ITEM NUMBER
CCMRA-AA	Memory Channel HUB Rack Mount Kit	1-N/A
CK-BA30A-BA	AlphaServer 4000/4100 Rack Mount Kit (U.S. and Asia Pacific) (See Page 9 for Power Cords)	1-N/A
CK-BA30A-BB	AlphaServer 4000/4100 Rack Mount Kit (Europe) (See Page 9 for Power Cords)	1-N/A
DS-SWXRA-GH	RAID Array 3000 (120V)	1-N/A
DS-SWXRA-GK	RAID Array 3000 (230V)	1-N/A
DS-TL891-NE	DLT MiniLibrary Base Module (Blue)	1-N/A
DS-TL891-NG	DLT MiniLibrary Base Module (Gray)	1-N/A
EK-H7601-IP	Documentation, M-Series Power Strip Kit IPB	3-N/A
EK-H9A15-IN	Documentation, H9A15 Cabinet Installation (Not Shown)	2-7
EK-MARQE-CN	Documentation, H9A10/H9A15 Cabinet Service Access Advisory (Not Shown)	1-6
H7600-AA	Power Controller Strip (100-120V)	1-5
H7600-DB	Power Distribution Unit (200-240V)	1-5
H9A15-MA	CABINET ASSEMBLY, 2.0M, GRAY (120V)	1-A
H9A15-MB	CABINET ASSEMBLY, 2.0M, GRAY (240V)	1-B
H9A15-MC	CABINET ASSEMBLY, 2.0M, BLUE (120V)	1-C
H9A15-MD	CABINET ASSEMBLY, 2.0M, BLUE (240V)	1-D
H9A15-NA	CABINET, REAR DOOR, GRAY	1-1, 2-A
H9A15-TA	CABINET, REAR DOOR, BLUE	1-2, 2-B
H9C10-MC	Ballast Kit	1-N/A
H9C15-JD	Joiner Kit	1-N/A
H9C15-NE	Extender Kit, Cabinet Rear (Gray)	1-N/A
H9C15-NF	Front Door Kit (Gray)	1-N/A
H9C15-NT	Front Trim Kit (Gray)	1-N/A
H9C15-TE	Extender Kit, Cabinet Rear (Blue)	1-N/A
H9C15-TF	Front Door Kit (Blue)	1-N/A
H9C15-TT	Front Trim Kit (Blue)	1-N/A
PB8HA-BA	AlphaServer 800 Rack Mount Kit (See Page 9 for Power Cords)	1-N/A

INDEX BY DIGITAL PART DESCRIPTION

H9A15 M-Series Cabinet

DESCRIPTION	PART NUMBER	FIG.-ITEM NUMBER
AlphaServer 1200 Rack Mount Kit (Blue)	2T-R1200-AB	1-N/A
AlphaServer 1200 Rack Mount Kit (Gray)	2T-R1200-AA	1-N/A
AlphaServer 800 Rack Mount Kit	PB8HA-BA	1-N/A
AlphaServer 4000/4100 Rack Mount Kit (Europe)	CK-BA30A-BB	1-N/A
AlphaServer 4000/4100 Rack Mount Kit (U.S. & Asia Pacific)	CK-BA30A-BA	1-N/A
(See Page 9 for Power Cords for above kits.)		
BA370 Field Installation Kit	2T-BA370-FI	3-N/A
Ballast Kit	H9C10-MC	1-N/A
Bezel Assembly, Front , Gray	70-33710-01	1-3
Bezel Assembly, Front, Blue	70-33710-02	1-3
Blank Bezel Installation Kit	2T-BEZEL	1-N/A
Bracket, Front Bezel, Left Hand	74-53317-02	1-4
Bracket, Front Bezel, Right Hand	74-53317-01	1-4
CABINET ASSEMBLY, 2.0M, BLUE (120V)	H9A15-MC	1-C
CABINET ASSEMBLY, 2.0M, BLUE (240V)	H9A15-MD	1-D
CABINET ASSEMBLY, 2.0M, GRAY (120V)	H9A15-MA	1-A
CABINET ASSEMBLY, 2.0M, GRAY (240V)	H9A15-MB	1-B
Cabinet Assembly, H9A15, EIA, Blue	70-33671-02	2-1
Cabinet Assembly, H9A15, EIA, Gray	70-33671-01	2-1
Cable Assembly w/Wrist Strap	12-24023-01	2-8
Cable Assembly, Jumper, 10 Ft. (Not Shown)	17-00365-01	1-8
CABINET, REAR DOOR, BLUE	H9A15-TA	1-2, 2-B
CABINET, REAR DOOR, GRAY	H9A15-NA	1-1, 2-A
DLT MiniLibrary Base Module (Blue)	DS-TL891-NE	1-N/A
DLT MiniLibrary Base Module (Gray)	DS-TL891-NG	1-N/A
Documentation, H9A15 Cabinet Installation (Not Shown)	EK-H9A15-IN	2-7
Documentation, H9A10/H9A15 Cabinet Service Access	EK-MARQE-CN	1-6
Advisory (Not Shown)		
Documentation, M-Series Power Strip Kit IPB (Not Shown)	EK-H7601-IP	3-N/A
Extender Kit, Cabinet Rear (Blue)	H9C15-TE	1-N/A
Extender Kit, Cabinet Rear (Gray)	H9C15-NE	1-N/A
Fan Tray, Cabinet	70-32032-01	1-15
Fastener, Clip On	90-11195-01	1-14
Flushing Fan Kits (Rear) (120V)	2T-SW8XF-SR	1-N/A
Flushing Fan Kits (Rear) (240V)	2T-SW8XF-ER	1-N/A
Front Door Kit (Blue)	H9C15-TF	1-N/A
Front Door Kit (Gray)	H9C15-NF	1-NA
Front Trim Kit (Blue)	H9C15-TT	1-N/A
Front Trim Kit (Gray)	H9C15-NT	1-N/A
H7600 Interlock Kit (H9A15) (Not Shown)	2T-INTLK-27	2-2
Joiner Kit	H9C15-JD	1-N/A
Label, "Caution Stabilizer Foot"	36-18384-01	2-5
Label, "Electrical Data", Adhesive Backed	36-13209-02	2-3
Label, "Regulatory" (Singapore)	36-41348-92	1-9
Label, "Regulatory" (U.K.)	36-41348-91	1-9
Label, "Regulatory" (U.S.)	36-41348-88	1-9
Label, "Warning High Leakage Current"	36-22516-01	1-10
Label, "Caution 2 Power Cord Multi-Language Service Info"	36-46657-01	2-10

INDEX BY DIGITAL PART DESCRIPTION

H9A15 M-Series Cabinet

DESCRIPTION	PART NUMBER	FIG.-ITEM NUMBER
Memory Channel HUB Rack Mount Kit	CCMRA-AA	1-N/A
Nut, Kep M5	90-40148-02	1-13
Nut, U-Nut 10-32	90-07786-01	1-12, 2-4
Package Assembly (Not Shown)	37-05062-03	2-6
Power Controller Strip (100-120V)	H7600-AA	1-5
Power Cord 125V (Not Shown)	17-00606-04	1-7
Power Cord, 125V (108 Inch)	17-00083-05	1-N/A
Power Cord, 125V (120 Inch)	17-00606-04	1-N/A
Power Cord, 125V (75 Inch)	17-00083-09	1-N/A
Power Cord, 125V (75 Inch)	17-00083-10	1-N/A
Power Cord, 125V (75 Inch)	17-00606-02	1-N/A
Power Cord, 250V (108 Inch)	17-00083-04	1-N/A
Power Distribution Unit (200-240V)	H7600-DB	1-5
Power Strip Assembly (120V)	3X-H7601-AA	1-N/A
Power Strip Assembly (240V)	3X-H7601-AB	1-N/A
RAID Array 3000 (120V)	DS-SWXRA-GH	1-N/A
RAID Array 3000 (230V)	DS-SWXRA-GK	1-N/A
RAID Array 7000 (Rear Mount)	2T-BA370-AR	1-N/A
RAID Array 7000 (w/Front Slide Kit)	2T-BA370-AS	1-N/A
Screw, Sems Pan Hd 10-32 x 3/8	90-09228-10	2-9
Screw, Truss Hd 10-32 x 1/2	90-00063-39	1-11