

SPARC Enterprise M8000/M9000 Servers

Unpacking Guide



ORACLE



SPARC

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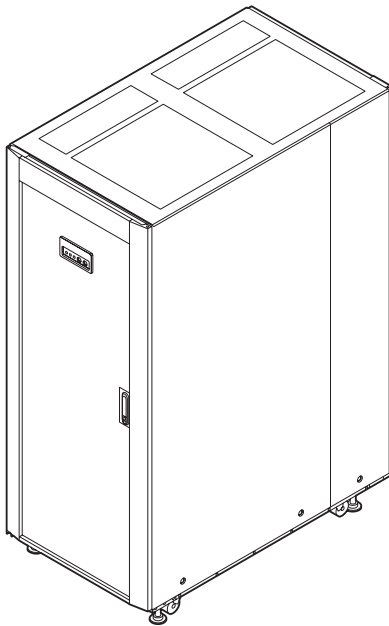
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Procedure for Unpacking the Product

This document describes how to unpack Oracle and Fujitsu's SPARC Enterprise M8000 or M9000 server from its shipping container.

- If the server shipped in a shipping container, see [“Unit in a Shipping Container” on page 2](#).
- If the server shipped in a wooden packing container, see [“Unpacking a Wooden Packing Container” on page 19](#).

FIGURE 1-1 SPARC Enterprise M8000/M9000 Server



1.1 Unit in a Shipping Container

This document explains how to unpack the SPARC Enterprise M8000/M9000 server if it was delivered in a shipping container.

- If the shipping container has the ramps bolted on the outside, see [“Unpacking a Shipping Container A” on page 2](#).
- If the shipping container does not have the ramps bolted on the outside, see [“Unpacking a Standard Shipping Container B” on page 8](#).

1.1.1 Unpacking a Shipping Container A

This section explains how to unpack a shipping container A.

1. **Prepare nippers, or a similar tool, to remove the metal bands securing the shipping container boxes.**

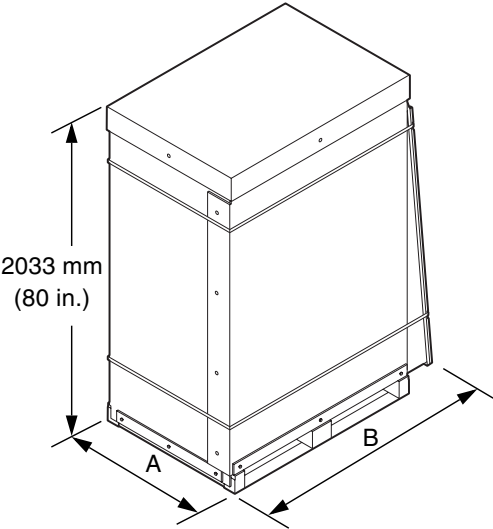
Also, prepare a screwdriver and crescent wrench, or spanners (No. 18 and 30), to open the boxes.

Note – The unpacking work requires free space with a width of 1 m (3.3 ft) or more in three directions around the cabinet, and free space with a width of 4.5 m (15 ft) or more in the direction you will place the cabinet down onto the floor.

Note – The ramps can be attached to either the front or rear of the pallet.

Note – When determining the final location and orientation of the cabinet to be installed, pay attention to the “RAMP ATTACH THIS END” mark printed on the shipping container box. The surface of the shipping container box to which the shipping label is affixed covers the front of the cabinet.

FIGURE 1-2 Shipping Container A Dimensions



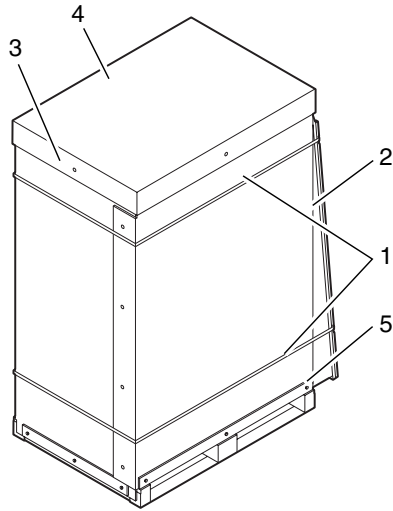
Cabinet	A	B
M8000 Server	950 mm (37.4 in.)	1630 mm (64.2 in.)
M9000 Server	1050 mm (41.3 in.)	1630 mm (64.2 in.)
Dual Power Feed	1000 mm (39.4 in.)	1440 mm (56.7 in.)

2. Place the shipping container box as close to the final installation location as possible.

To move the cabinet from the pallet down the ramp and to place it down on the floor, you will require free space with a width of 1 m (3.3 ft) or more in three directions around the cabinet. You will also require free space with a width of 4.5 m (15 ft) or more in the direction to place the cabinet down on the floor.

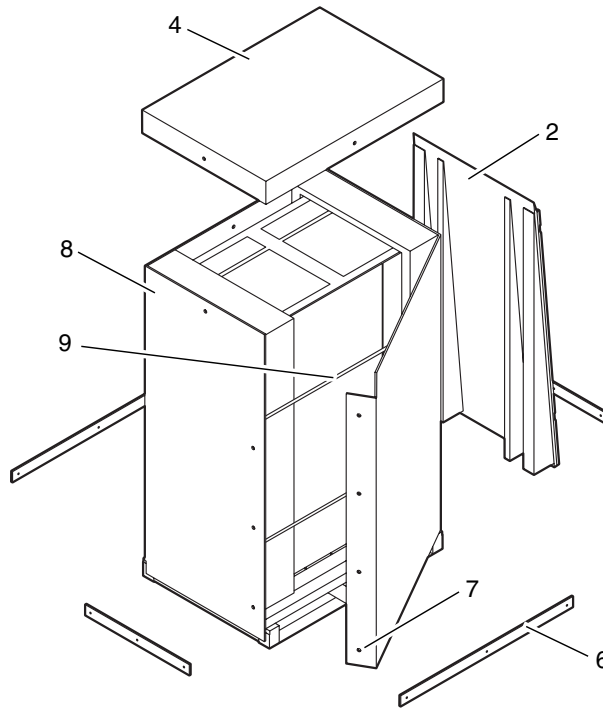
3. Cut off the bands of the shipping container box (1), and detach the ramp (2). Use the screwdriver to remove the four screws (3) (one screw for each surface), and remove the top cover (4).

FIGURE 1-3 Location of Container Securing Bands and Screws



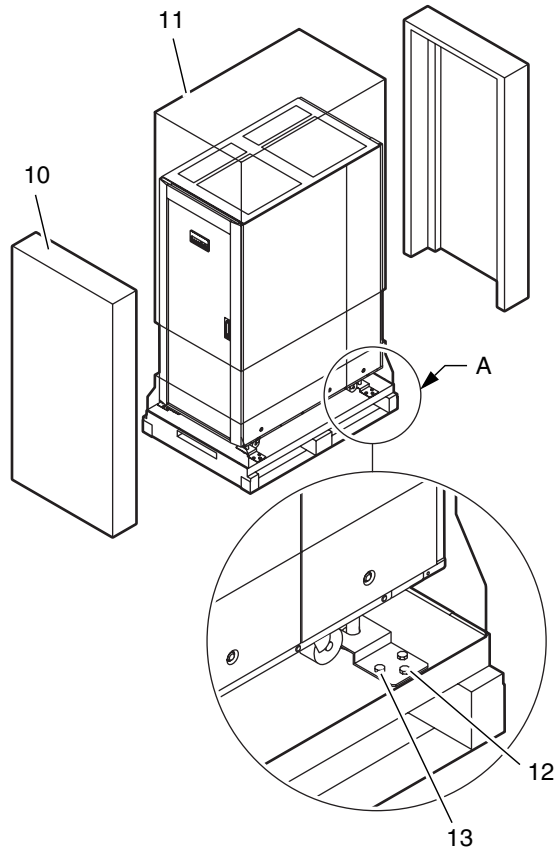
4. Use the crescent wrench, or the No. 18 spanner, to remove the 12 bolts (5), and remove the four panels (6). Use the screwdriver to remove the four screws (7), and remove the outside container box (8).

FIGURE 1-4 Exploded View of the Shipping Container A



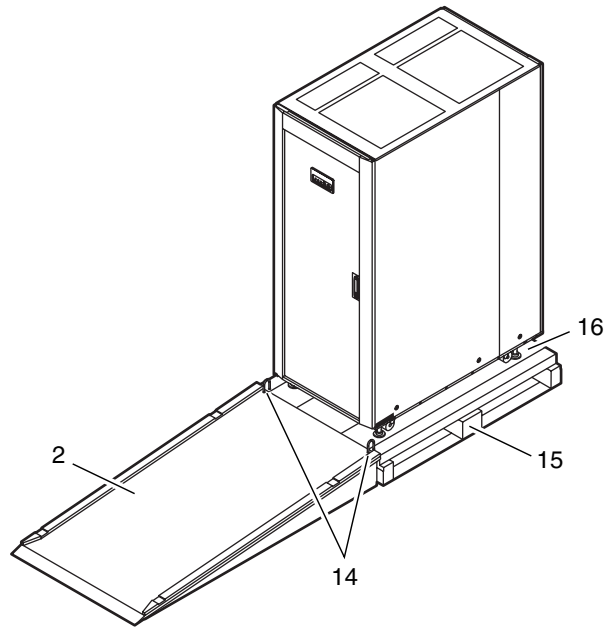
5. Cut the inside bands (9), and remove the two pads (10). Remove the outside plastic bag (11). Use the crescent wrench or the No. 18 spanner to remove the 12 bolts (12), and remove the four fixing brackets (13).

FIGURE 1-5 Internal View of the Container A and the Fixing-Bracket Location



6. Set the ramp (2) on the side from which the cabinet is to be unloaded. Then, insert the pallet-attached U bolt (14) to fix the ramp (2) to the pallet (15).

FIGURE 1-6 Raising the Four Leveling Feet



7. Raise the four leveling feet (16) with the crescent wrench or the No. 30 spanner.



Caution – In the following step, the cabinet should be pushed by one or two persons, and slowly pulled down the ramp by another two persons.

8. Move the cabinet off the pallet (15).

Note – Push only on the sides of the door. The center of the door may be deformed if it is pushed strongly.

9. Move the cabinet to the installation location.

Extend the four leveling feet in the four corners of the cabinet (16) until they reach the floor. To confirm that the cabinet is stable, further rotate each leveling foot a quarter turn to fix it in position.

Note – The packing materials are easily smashed and should not be re-used. Discard these packing materials according to the instructions from the customer. Recycle as much of these materials as possible to reduce the amount of waste materials.

10. For information on subsequent work steps, refer to the *SPARC Enterprise M8000/M9000 Servers Installation Guide*.

1.1.2 Unpacking a Standard Shipping Container B

This section explains how to unpack a standard shipping container B.

Note – The unpacking and unloading steps described here are identical for the SPARC Enterprise M8000/M9000 servers and their Power Cabinet. However, the pallets and packaging materials used for the servers and Power Cabinet are slightly different.

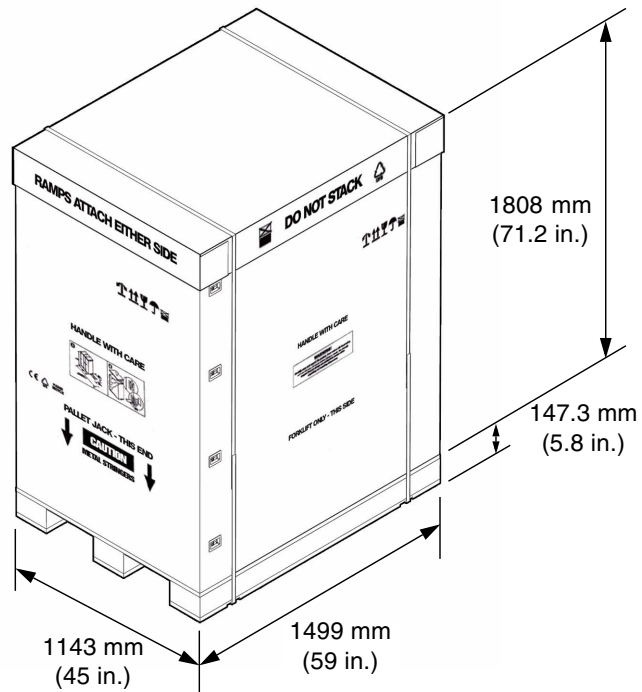
Note – The ramps can be attached to either the front or rear of the pallet.

1.1.2.1 Required Tools

The following tools are required for unpacking the M8000/M9000 servers from their packaging B:

- 6 mm Hex wrench
- 13 mm socket
- 3/8 drive ratchet wrench
- Crescent wrench
- Shears or other cutting tool

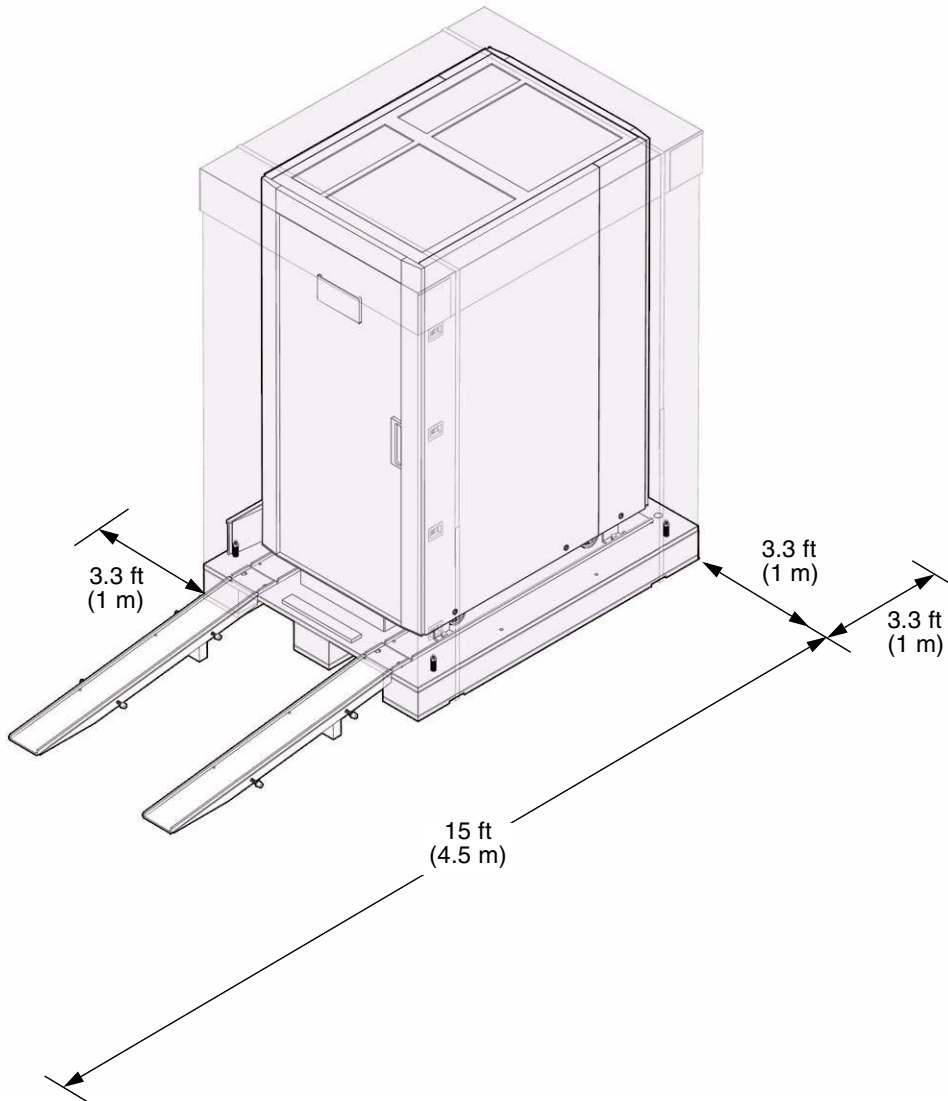
FIGURE 1-7 Shipping Container B Dimensions



1.1.2.2 Unpacking the Cardboard Shipping Container B

The unpacking work requires free space with a width of 1 m (3.3 ft) or more in three directions around the cabinet, and free space with a length of 4.5 m (15 ft) or more in the direction you will position the cabinet on the floor. You can unload the cabinet from either side of the pallet.

FIGURE 1-8 Free Space Required for Unpacking a Type B Shipping Container

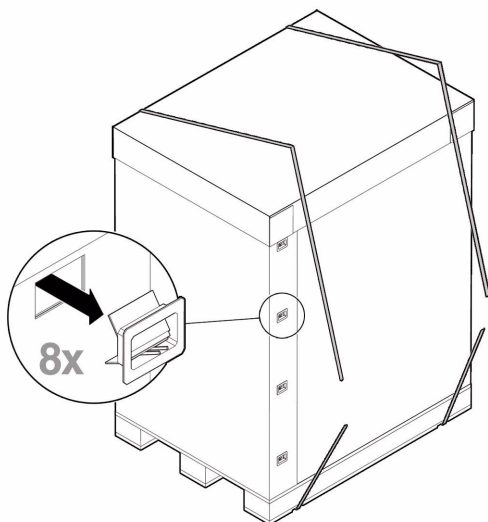




1. Use the cutting tool to cut the bands securing the packaging to the pallet.

Caution – Take care when cutting the bands as they are under stress and could possibly injure anyone nearby.

FIGURE 1-9 Location of Container Securing B Bands and Finger Clips

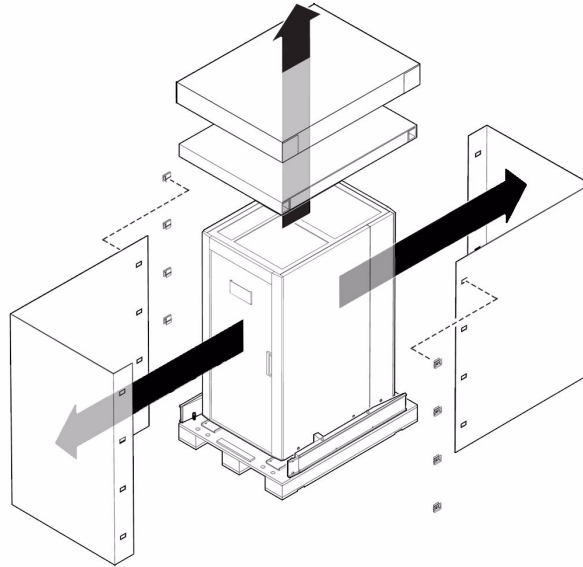


2. Remove the top cover (FIGURE 1-10).
3. Remove the finger clips from the two opposite corners, releasing the side covers (FIGURE 1-10).
4. Remove the top protective panel from the top of the server.

5. Remove the plastic bag covering the server.

Save all packaging materials for later use if necessary.

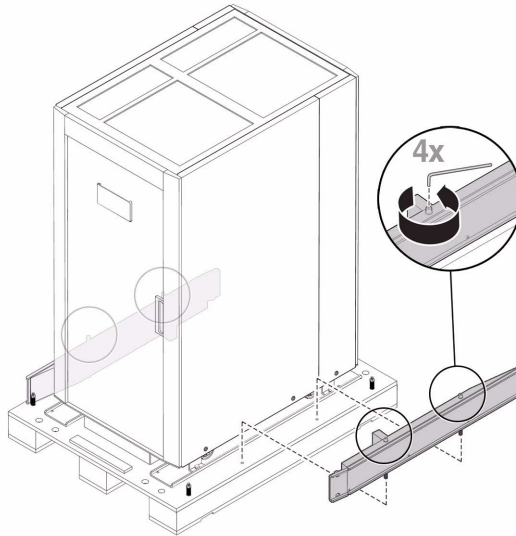
FIGURE 1-10 Exploded View of the Shipping Container B



1.1.2.3 Setting Up the Ramps

1. Using the 6 mm hex wrench, remove the bolts holding the ramps to the pallet.

FIGURE 1-11 Removing the Bolts Holding the Ramps to the Pallet



2. Place the ramps in the openings on the side from which the cabinet is to be unloaded.

Ramp openings are located in the front and rear of the pallet.

Note – The ramps for the power cabinet are wider and the openings that they mount in are set closer together.

FIGURE 1-12 Location of Front Openings on the Pallet for Stabilizing the Ramps

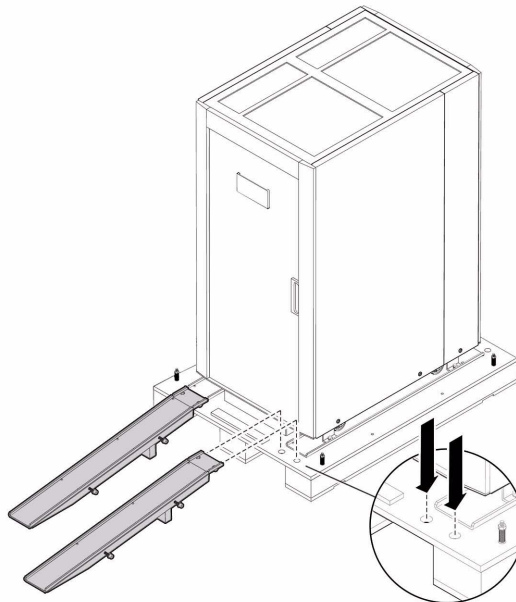
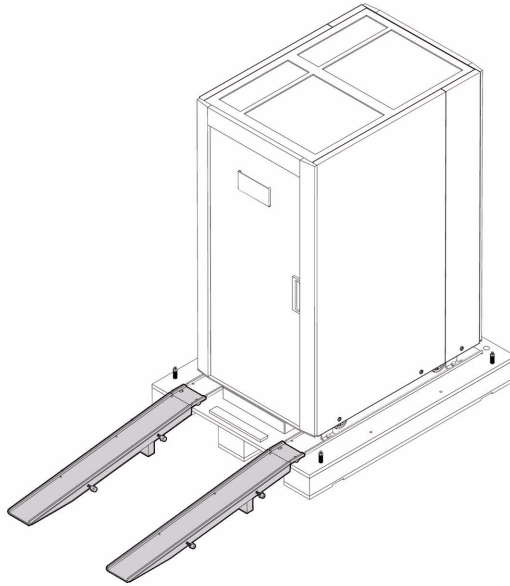


FIGURE 1-13 Ramps in Place on the Front Side of the Pallet



1.1.2.4 Unsecuring the Server from the Pallet

1. Remove the hold-down brackets using a standard depth 13-mm socket on a 3/8-inch ratchet (FIGURE 1-15).

FIGURE 1-14 Location of the Hold-Down Clamps and the Hold-Down Blocks

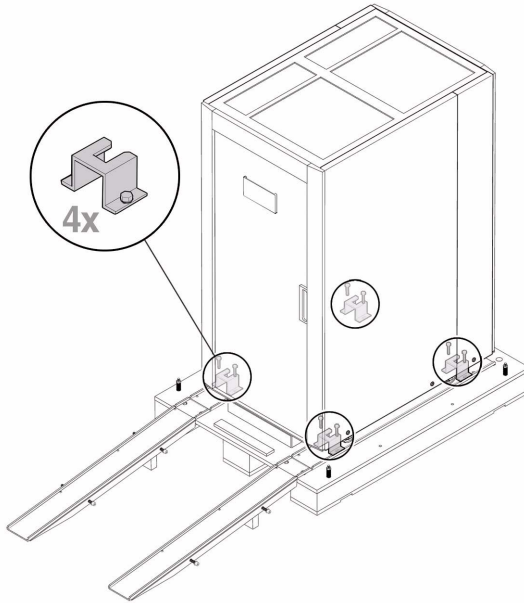
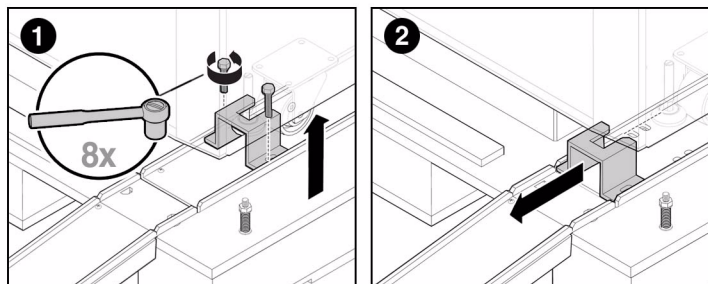
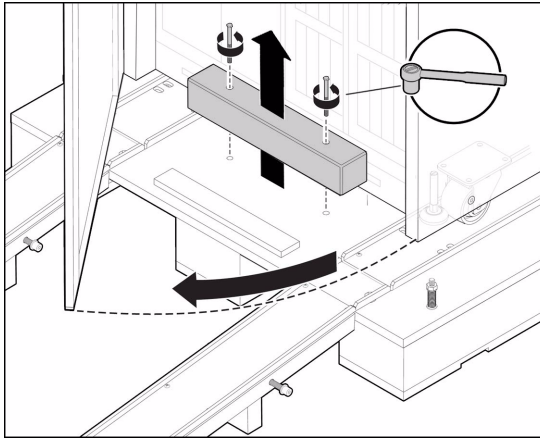


FIGURE 1-15 Removing the Hold-Down Clamps and the Hold-Down Blocks



2. Open the cabinet door at the side that was lowered from the ramp first, remove the cap screws on the stop block, and then remove the block.

FIGURE 1-16 Removing the Front Stop Block



3. After the block has been removed, close the cabinet door at the side that was lowered from the ramp first.

1.1.2.5 Moving the Server Off the Pallet

Note – Three or four people are required to move the cabinet down the ramp. One or two people should push the cabinet while two other people slowly guide the cabinet down the ramp.

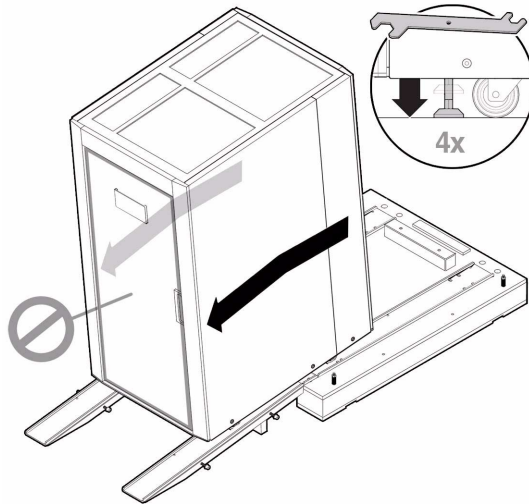
Note – Push only on the sides of the door. The center of the door may be deformed if it is pushed strongly.

1. Raise the feet before moving the system off the pallet.

2. Move the cabinet off the pallet.

Note – Three or four people are required to move the cabinet down the ramp. One or two people should push the cabinet while two other people slowly guide the cabinet down the ramp.

FIGURE 1-17 Moving the Server Off the Pallet



3. Move the cabinet to the installation location.
4. Extend the four leveling feet in the four corners of the cabinet until they reach the floor ([FIGURE 1-17](#)).
5. Rotate each leveling foot another quarter turn to fix it in position to confirm that the cabinet is stable.
6. For information on subsequent work steps, refer to the *SPARC Enterprise M8000/M9000 Servers Installation Guide*.

Note – If the system needs to be relocated, use the same packaging material and reverse the unpacking and unloading procedures.

1.2 Unpacking a Wooden Packing Container

The explanation includes the steps for unloading Oracle and Fujitsu's SPARC Enterprise M8000/M9000 server from a crate package.

If the cabinet shipped in a shipping container, see ["Unit in a Shipping Container" on page 2](#).

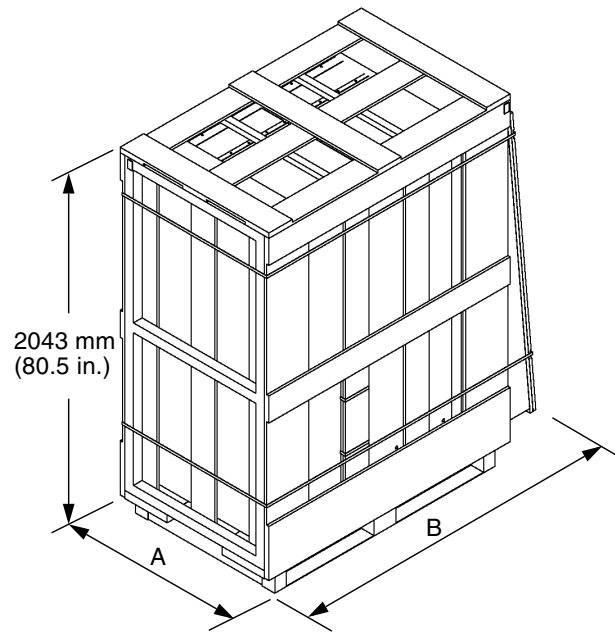
1. **Prepare nippers, or a similar tool, to remove the metal bands securing the shipping container boxes.**

Also, prepare a screwdriver and crescent wrench, or spanners (No. 18 and 30), to open the boxes.

Note – The unpacking work requires free space with a width of 1 m (3.3 ft) or more in three directions around the cabinet, and free space with a width of 4.5 m (15 ft) or more in the direction you will place the cabinet down onto the floor.

Note – One copy of the Procedure for Unpacking the Product is attached to the front of this server.

FIGURE 1-18 Dimensions of the Wooden Packing Container



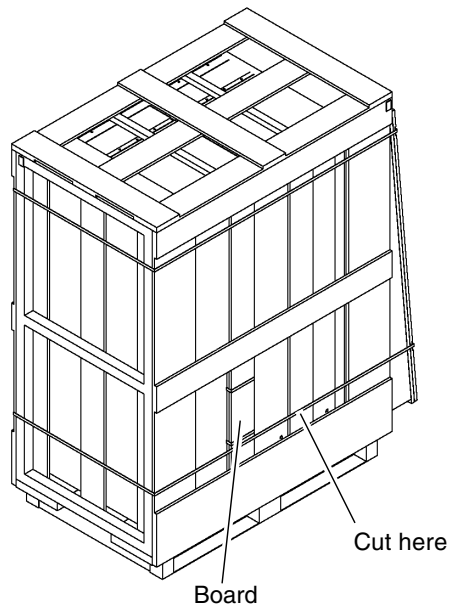
Cabinet	A	B
M8000 Server	950 mm (37.4 in.)	1710 mm (67.6 in.)
M9000 Server	1050 mm (41.3 in.)	1630 mm (64.2 in.)
Dual Power Feed	980 mm (38.6 in.)	1520 mm (60.0 in.)

2. Place the cabinet in the wooden packing as close to the final installation location as possible.

To move the cabinet from the pallet down the ramp and place it onto the floor, you will require free space with a width of 1 m (3.3 ft) or more in three directions around the cabinet. You will also require free space with a width of 4.5 m (15 ft) or more in the direction to place the cabinet down on the floor.

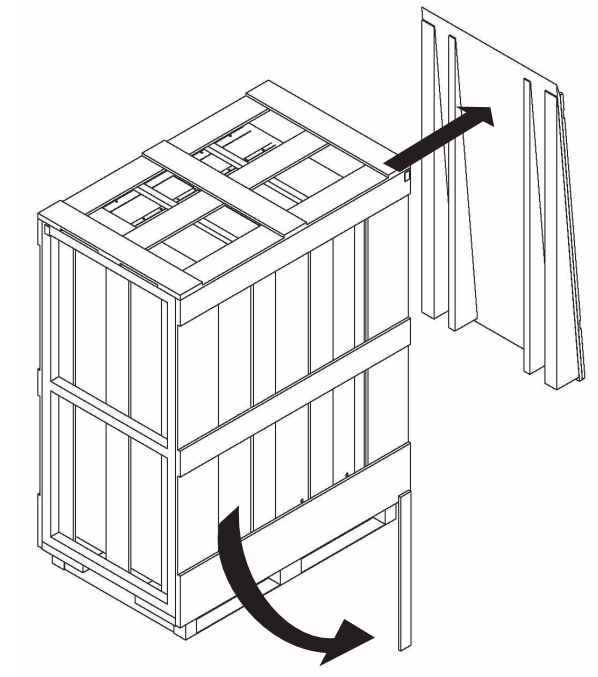
3. Cut off the bands of the wooden packing.

FIGURE 1-19 Where to Cut the Wooden Packing Bands



4. Detach the ramp and the board.

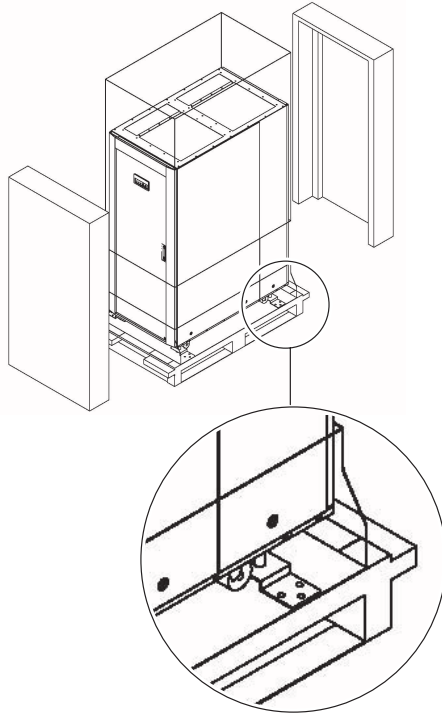
FIGURE 1-20 Detaching the Ramp and the Board



5. Remove the bolts, and remove the top wall and side walls. Then, cut off the bands securing the cover.

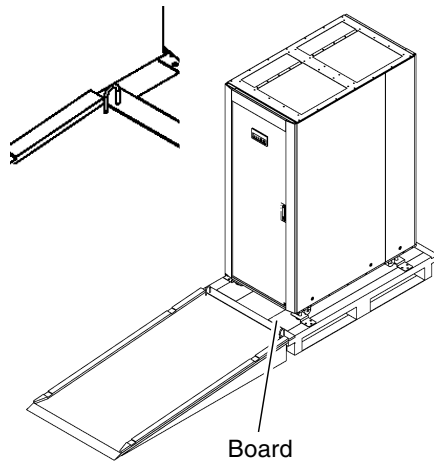
6. Remove the outside plastic bag. Use the crescent wrench or the No. 18 spanner to remove the 12 bolts, and remove the four fixing brackets.

FIGURE 1-21 Location of Fixing Bracket



7. Set the board that has been removed in [Step 4](#) between the ramp and the cabinet. Then, insert the pallet-attached U bolt to fix the ramp and the board.

FIGURE 1-22 Inserting Board between Ramp and Cabinet



8. For information on subsequent work steps, continue the procedure, [“Unpacking a Shipping Container A”](#) on page 2, starting with [Step 7](#).