Intel® Server Chassis SR2300 Quick Start User Guide
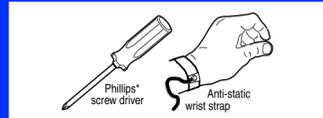
☰ Start Here ☰

Thank you for buying an Intel® Server Chassis. The following information will help you prepare your server chassis for integration with your selected server board.

This Guide is for technically qualified persons. Expanded installation instructions and complete product information are available in the *Product Guide* on the Chassis Documentation CD. Spanish and Simplified Chinese translations of the *Product Guide* are also available on the Documentation CD.

For more information on using the features of your server chassis, see the Configuration Quick Reference Label inside the chassis cover and your Product Guide.

Before you begin
You will need the following tools and equipment:

Phillips* screw driver — Anti-static wrist strap

⚠ See your *Product Guide* for product Safety and EMC regulatory compliance information.

⚠ If you are not familiar with ESD [Electro-Static Discharge] Procedures to be used during system assembly, complete ESD Procedures are described in your *Product Guide*.

Additional resources and support for your server chassis can be found at:
http://support.intel.com/support/motherboards/server/chassis/SR2300

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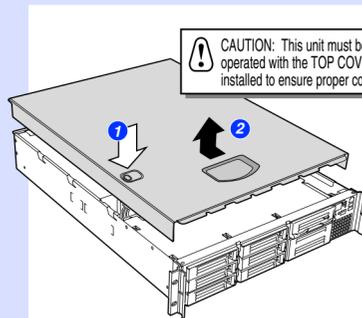
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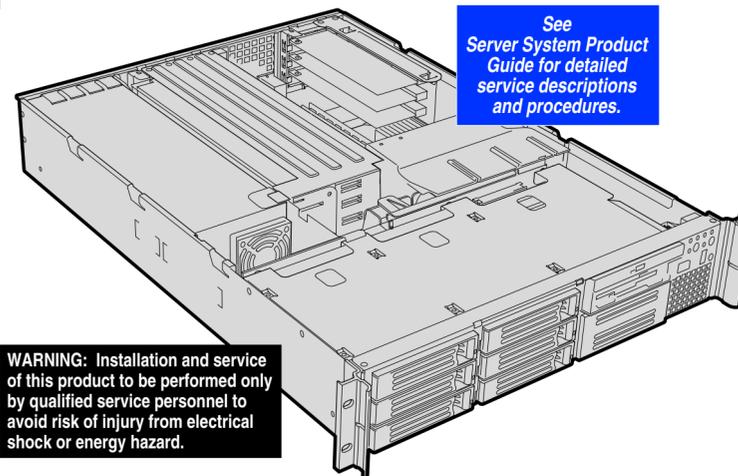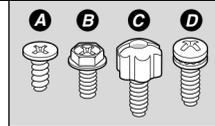- Support Information and much more

†Available only to Intel® Channel Program Members, part of Intel® e-Business Network.

1 Removing the Top Cover

⚠ CAUTION: This unit must be operated with the TOP COVER installed to ensure proper cooling.

To remove the system Top Cover:
1. Depress latch.
2. Slide toward rear and lift upward.

2 Removing Add-in Card Risers

To remove risers:
1. Insert finger into plastic loop[s].
2. Lift straight up.

Large Riser — Loop[2] — Supports full-length, full-height PCI Cards.
Small Riser — Loop — Supports low-profile PCI cards only.

3 Removing the Fan Module

1. Push on tab to release fan module from the chassis.
2. Lift module upward slightly to clear chassis retention notch.
3. Slide fan module toward the power supply and lift up and out of chassis.
Note: Fan Module is secured to the chassis by matching slots and tabs. Make sure module releases fully before lifting out of chassis.

Retention Notch — Module Slots — Chassis Tabs

Fastener Identification Guide

A B C D

4 Installing the Server Board

A Inserting Server Board into Chassis

1. Make sure Insulating Pad is correctly in position over standoffs.
2. Insert back edge of board under three retention pins as shown.
3. Make sure I/O Ports insert into corresponding chassis back panel openings.
4. Ensure that three board mounting holes seat onto three chassis standoffs.

NOTE: Chassis has three shouldered standoffs for server board alignment. Check that standoffs and board align properly before proceeding to Step B.

B Fastening Server Board to Chassis

Secure server board with three screws as shown.
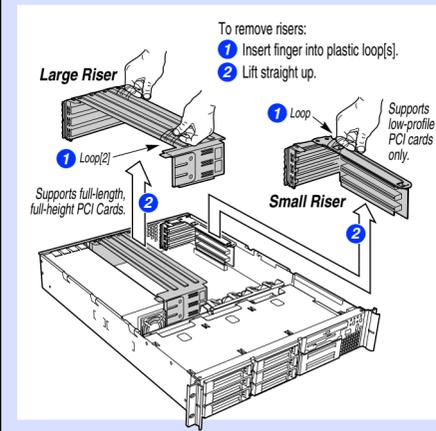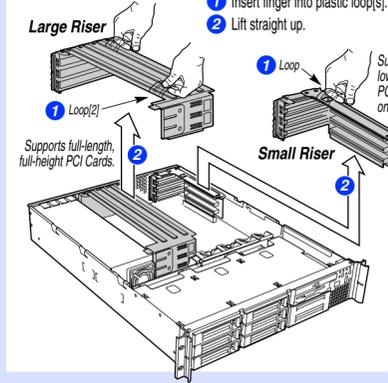
See Server System Product Guide for detailed service descriptions and procedures.

⚠ WARNING: Installation and service of this product to be performed only by qualified service personnel to avoid risk of injury from electrical shock or energy hazard.
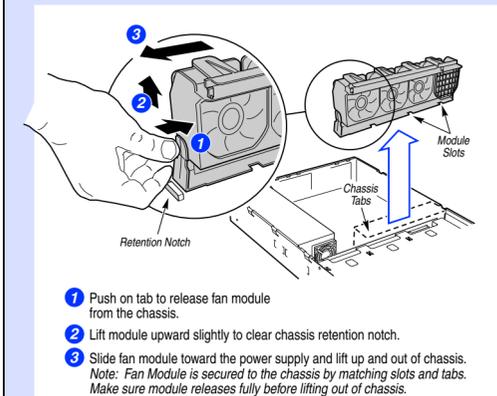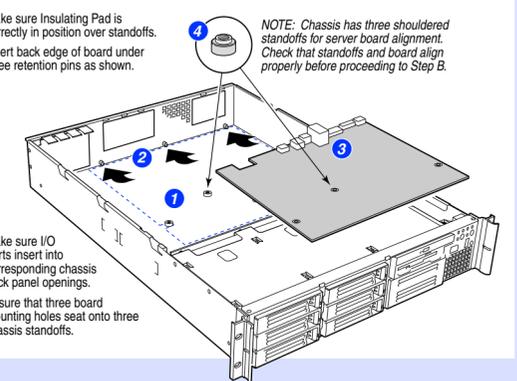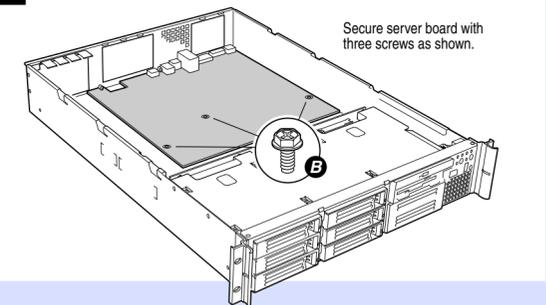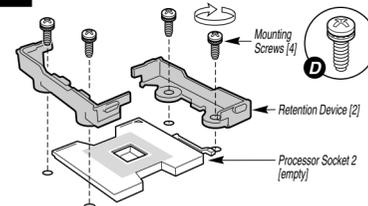
Go to SIDE 2

5 Install Processors, Heatsinks and Memory

Go to Server Board Quick Start User's Guide and install Processor[s], Heatsink[s] and Memory

6 Connect Server Board Primary Power

Attach 24-pin Power Connector as shown.

Backplane — Server Board — Server Board Primary Power Connector — Power Supply Cage — 24-pin Power Connector from Power Supply

7 Install Fan Module

A Installing the Fan Module

1. Place fan module into chassis making sure mating slots and tabs line up correctly.
2. Slide fan module away from power supply to engage chassis tabs.
3. Make sure plastic tab on fan module snaps into place next to retention notch.

Module Slots — Chassis Tabs — Retention Notch

B Remove Air Baffle and Install Fan

⚠ If your server board has TWO processors, complete this step to maintain proper system airflow. If your system has ONE processor, skip this step.

1. Lift UP on plastic tab.
2. Rotate Baffle forward and remove.
3. Remove fan Power Dist. Board.

1. Lift UP on plastic tab.
2. Insert bottom edge of fan and snap into place.
3. Attach Fan Power Connector.
4. Re-install fan Power Distribution Board.

Fan Module Power Cables ... see 7C

C Connect Pwr Cables

Drive Bays — Power Supply Cage — Connect Fan Module Power Cables here

8 Install Floppy/FP/IDE Flex Cable

1. Attach to Backplane at J5
2. Attach to Server Board at J2G1
3. Install Cable Retention Clip to Backplane as shown

Backplane — Floppy/FP/IDE Cable

9 Attach Final Power Connectors

⚠ Connectors have locking latches and only insert one way.

Drive Bays — Power Supply Cage

Attach to Server Board at J1J1
Attach to Server Board at J4J1

10 Install Chassis Air Baffle

Install Air Baffle as shown.
Note that all power supply wiring to the server board should be positioned through the cutout at the bottom of the Air Baffle.

Baffle installation ensures proper air flow within your system.

Loosen Thumbscrew, insert Baffle slot and re-tighten screw.
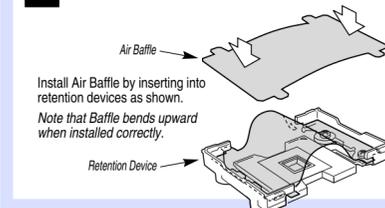Route wires through cutout in Baffle as shown.
Power Supply Cage

11 Install Processor Socket 2 Air Baffle

⚠ If you have installed only ONE processor, complete this step to maintain proper system airflow. If you have installed two processors, skip this step.
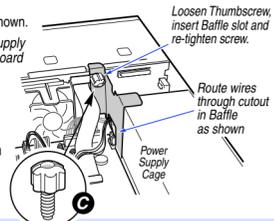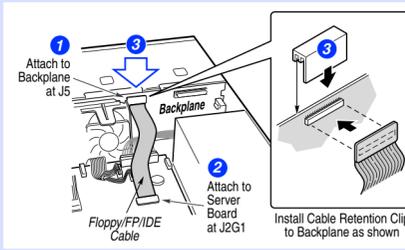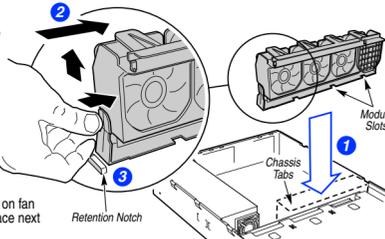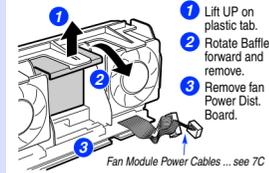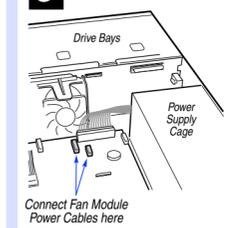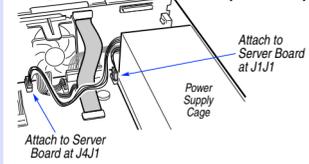
A Install the Processor Retention Devices

Mounting Screws [4] — D
Retention Device [2]
Processor Socket 2 [empty]

B Install the Air Baffle

Install Air Baffle by inserting into retention devices as shown.
Note that Baffle bends upward when installed correctly.

Air Baffle — Retention Device

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