13 Remove the HDD Cage(s)

① Push blue plastic release mechanism upward to release HDD cage.

② Slide HDD cage out of chassis bay.

Important: *If you plan to install fixed hard drives, proceed to Step 15. If you plan to install hot swap SCSI or SATA hard drives, go to the Step 14.*

14 Install Additional Drive Bays (optional)

For installing 4-drive fixed drive bay or 6-drive hot swap SATA or SCSI drive bay accessories, refer to the Drive Cage Upgrade Kit Installation Guide.

6-drive Hot Swap Drive Bay

4-drive Fixed Drive Bay

15 Install Hard Drives into Fixed Drive Bay

A. Open Cage Access Doors

① Loosen the captive thumb screw.

② Open the upper door.

③ Open the lower door.

B. Remove Device Slides

C. Install Slides to Hard Drive

Connector End of Drive to back.

Note: Device slides are "tool-less". Insert slide tabs into hard drive mounting holes and press firmly into place.

Tab

D. Insert Drive/Slide Assembly into Cage

Note: Make sure connector end of drive faces toward the rear of the cage.

Rear of Cage

Close cage doors and tighten captive thumb screw.

Repeat this procedure for each drive.

16 Install Fixed Cage into Chassis

① Push HDD cage into bay until blue plastic retention mechanism locks into place.

② Connect data and power cables to each drive.

17 Install Server Board

See your Intel® Server Board Quick Start User's Guide for server board installation instructions and installation of the back panel I/O shield.

Use the mounting screws, bumpers and standoffs (if necessary) that came with your chassis to secure the server board to the chassis.

Open the Intel® Server Board box. Follow the instructions in the enclosed Intel® Server Board Quick Start User's Guide and return to this document when finished.

18 Install Air Dam

Note: This step applies to the Intel® Server Boards SE7320SP2 and SE7525GP2 only. If your system contains any other server board, go to Step 19.

① Remove adhesive backing from air dam.

② Place air dam into position as shown, with adhesive side making contact with the chassis.

19 Make Server Board Connections

See your Intel® Server Board Quick Start User's Guide for server board connection locations.

If your chassis has a hot swap power supply, secure the power cables (that route toward the server board) to the chassis using the tie wrap that came in the supply bag that shipped with your chassis.
See attachment point below:

Chassis Tie-down Loop

Note: See Reference section of this document for location of front and rear Serial-B connectors.

20 Install Add-in Cards

① Open back panel PCI add-in card retention device by pressing open from inside of chassis.

② Remove PCI slot shield by pushing out from inside of chassis.

③ Insert Add-in Card into desired server board PCI slot.

④ Close back panel PCI add-in card retention device.

⑤ Replace PCI add-in card retainer.

PCI Add-in Card Retention Device (located on rear of chassis)

PCI Slot

PCI Slot Shield

21 Outer Air Baffle Configuration

The Intel® Server Board SE7525GP2 and the Intel® Server Board SE7320SP2 require removal of the outer air baffle from the large processor air duct. Failure to remove this outer air baffle, located near the edge of the air duct on the side of the second processor, will cause mechanical interference between the heat sink and the baffle attached to the air duct.

This air baffle is required (must NOT be removed) for the Intel® Server Board SE7520BD2 or the Intel® Server Board SE7520AF2 to ensure proper cooling of installed memory DIMMs.

Air Baffle Installed

Air Baffle Removed

22 Re-install Air Ducts

① Remove plastic tab from inside of large air duct.
Note: This step only applies if your system has two processors. If only one processor is installed, leave the plastic tab in place and proceed to step 2 below.

② Install large air duct.
○ *Note that large air duct interlocks with small duct in two places before latching into place.*

③ Install small air duct and latch into place.

Latch

Small Air Duct

Large Air Duct

Latch

23 Install Additional Hot Swap Power Supply Module (optional)

Note: If your chassis has a fixed power supply, go to Step 24.

① Loosen screw and remove power supply filler panel.

② Insert power supply module until it clicks into place.

③ Secure with screw as shown only if shipping chassis to another location.

24 Rackmount Configuration (optional)

If you intend to configure your server as a pedestal system, disregard this step and proceed to Step 25.

If you intend to configure your server as a rack mount system, go to the instructions that came with your Rack Mount Kit to complete your server assembly.
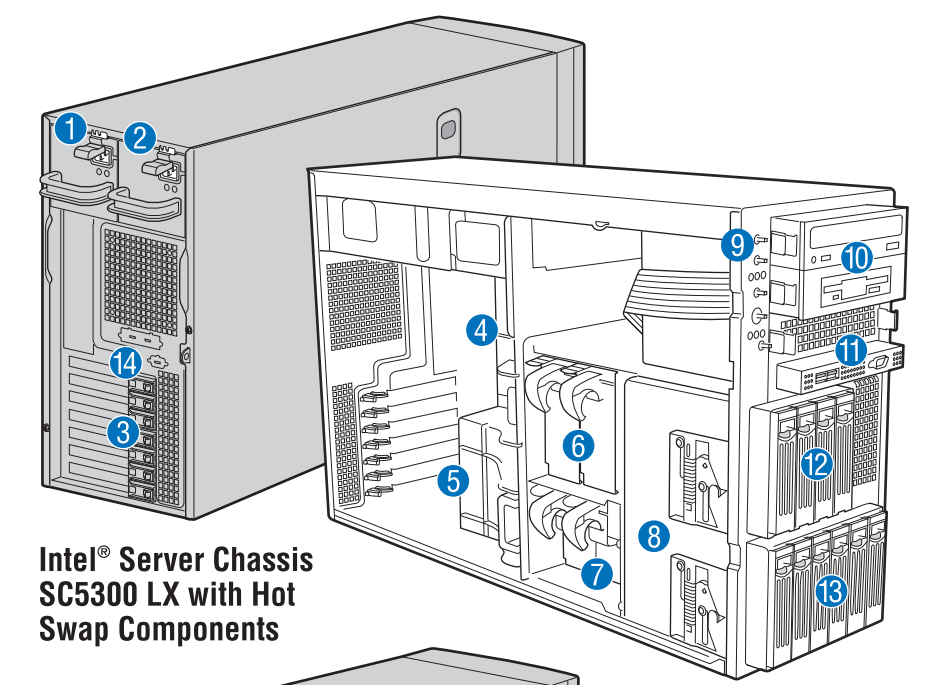
25 Re-install Bezel Assembly

① Set upright if not already in upright position.

② Open the front door of the bezel assembly and remove bezel filler panel[s] that correspond to installed devices.

③ Close the outer bezel door.

④ Fit right edge of bezel assembly against front of chassis and engage plastic bezel hooks into raised metal slots at chassis edge.

⚠ **CAUTION:** Do not attach bezel assembly to chassis at MORE than a 40 degree angle.

⑤ Rotate bezel assembly toward chassis and latch two plastic tabs on left side of bezel assembly to chassis.

40° Max

26 Replace Side Cover
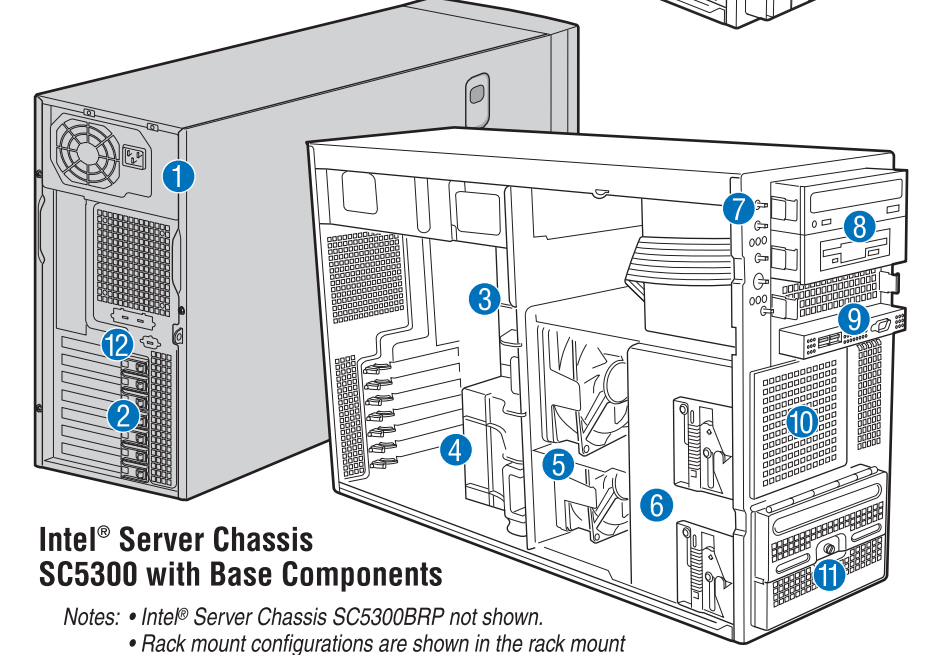
⚠ CAUTION: This chassis must be operated with the SIDE COVERS installed to ensure proper cooling.

Re-install primary cover and latch securely.

Primary Cover

27 Finishing Up

Intel® Server Chassis SC5300 with Fixed Power Supply

Intel® Server Chassis SC5300 with Hot Swap Power Supply

AC Power

I/O Connections

Serial B

1. See your Intel® Server Board Quick Start User's Guide to connect your keyboard, mouse, video, and other I/O cables.

2. Connect the AC power cable last.

Front Panel Controls and Indicators

A. ID Switch
B. System Reset
C. NIC1
D. System Power
E. Hard Drive Activity
F. System ON LED
G. NIC2
H. ID LED
I. System Fault LED
J. NMI Switch

Reference

Chassis Features and Components

1. Hot Swap Power Supply
2. Second Hot Swap Power Supply *(accessory)*
3. PCI Add-in Card Panel
4. Upper Air Duct
5. Lower Air Duct
6. Hot Swap Fans – Large (2)
7. Hot Swap Fans – Small (2)
8. HDD Cage Release Mechanisms (2)
9. Front Panel Control
10. 5.25" Device Bays (3)
11. Front Panel USB/Serial B *(accessory)*
12. Hot Swap Drive Cage - 4 Drive *(accessory)*
13. Hot Swap Drive Cage - 6 Drive
14. Rear Serial-B Connector

Intel® Server Chassis SC5300 LX with Hot Swap Components

Accessories and Order Codes	
Rack Conversion Accessory Kit	ARIGRACK
Slimline CD Accessory Kit	ARIGCDFDBRK
4-Drive SCSI Hot Swap Drive Bay	AXX4SCSIDB
6-Drive SATA Drive Bay	AXX6SATADB
Hot Plug PCI Kit	ARIGHPPCI
4-Drive Fixed Drive Bay	AXX4FIXDB
LX Hot Swap Power Upgrade Kit	ARIGLXUPKIT
6-Drive SCSI Drive Bay	AXX6SCSIDB
Local Control Panel	AXXLCPPED
Slimline CD-ROM	AXXSCD-CDROM
Slimline DVD	AXXDVDCDR-DVD
Slimline Floppy	AXXSFLOPPY-FLOPPY

A complete list of accessories and spares can be found at: www.intel.com/go/serverbuilder

1. Fixed Power Supply
2. PCI Add-in Card Panel
3. Upper Air Duct
4. Lower Air Duct
5. Fixed Fans (2)
6. HDD Cage Release Mechanisms (2)
7. Front Panel Control
8. 5.25" Device Bays (3)
9. Front Panel USB/Serial B
10. Fixed Drive Cage - 4 Drive *(accessory)*
11. Fixed Drive Cage - 6 Drive
12. Rear Serial-B Connector

Intel® Server Chassis SC5300 with Base Components

Notes: • Intel® Server Chassis SC5300BRP not shown.
• Rack mount configurations are shown in the rack mount conversion kit documentation.