

## 8 Install Hard Drives/Carriers Repeat this step for each installed hard drive.

**A** Remove the four screws securing the hard drive bracket to the chassis. Then remove the hard drive bracket.

**B** Insert a hard drive into the bracket and secure with four screws as shown.

**C** Reinstall the hard drive bracket into the chassis and secure with four screws. *Note: Install two screws into the round holes first, then two screws into the slotted holes.*

*Note: Bottom of hard disk drive should face upward.*

Connect these SATA cable ends to installed hard disk drives.

**Back View of Drive Bays**

HDD 5  
HDD 4  
HDD 3  
HDD 2  
HDD 1  
HDD 0

**Server Board**

SATA 5 4 3 2 1 0

**Notes:**

- Six user-supplied hard disk drives are shown for clarity.
- Six SATA cables are factory-connected to the server board. Cable color may vary. Attach cables to installed hard disk drives using the matching numbers shown in the graphic. Failure to correctly connect cables may result in data loss.
- Each installed hard disk drive must have power cable connected by the user.
- Cable routing is approximate and should not restrict system air flow. Use cable ties as necessary.

## 9 Install Optical Drive (optional)

**A** Disconnect floppy drive power cable and the front panel USB and front panel ribbon cables as shown.

*Note: It is not necessary to disconnect the server board ends of these cables.*

**B** Remove front panel board.

- Remove screw.
- Slide rearward to release from pins.
- Lift straight up and remove board.

**C** Remove drive bracket assembly.

- Remove four screws securing bracket to chassis.
- Slide bracket rearward to release floppy device from front panel and remove.

**D** Install optical drive into bracket.

- Insert optical drive into the bracket.
- Align with matching bracket holes and attach with four screws as shown.

### E Remove front panel knockout.

### F Install optical drive/floppy combo.

- Insert optical drive/floppy combo into the chassis.
- Align with matching chassis holes and attach with four screws as shown.

### G Remove light pipes from front panel board as shown.

- Remove three-pipe assembly first.
- Remove two-pipe assembly last.

### H Install front panel board.

- Insert board onto guide pins.
- Slide board forward to lock.
- Secure board with screw as shown.

### I Re-install light pipes to front panel board as shown. *Note that the small light pipe must be installed first.*

- Rotate base of light pipe upward and insert pipes into front panel.
- Rotate light pipe downward and into the two matching holes on the front panel board. Press into place.

### J Reconnect floppy power cable, front panel ribbon cable and front panel USB cable.

### K Install optical drive power/data cables.

- Attach data ribbon cable to server board, then attach other end to back of drive.
- Attach power cable to back of drive.

## 10 Install Processor Air Duct

**A** If you have installed two processors, break off and remove the air dam as shown.

**CAUTION:** To maintain proper system cooling, perform this step only if TWO processors are installed.

**B** Install processor air duct as shown.

*Note: Use care to avoid pinching system cables.*

## 11 Install the Top Cover

**A** Place cover onto chassis and slide forward.

*Note: Use care to avoid pinching system cables.*

**B** Install three screws at front.

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

## 12 Install Rack Handles (Optional)

**A** Attach each rack handle with two screws as shown.

## 13 Install Rail Kit (Optional)

See the documentation that came with your selected rail kit for installation instructions.

## 14 Install the Bezel (Optional)

## 15 Finishing Up

Before installing your operating system, you must finish your system installation and connect back panel I/O connectors and AC power.

- Make sure you have replaced the system cover.
- Connect your keyboard, mouse, video and other I/O cables/devices as shown. Then connect the AC power cord.

## 16 Install Software - BIOS, Drivers, and Operating System Install

**A. Confirm BIOS Version:** Look on the Server/System Management screen in the BIOS Setup Utility to determine the installed BIOS version. Compare this to the versions at: <http://support.intel.com/support/motherboards/server/s5000vsa>. If new versions are available, update the BIOS on your server. See the User Guide on the Intel® Server Deployment Toolkit 2.0 CD for update instructions.

**B. Configure your RAID Controller:** Use the instructions provided with the RAID controller.

**C. Install your Operating System:** Use the instructions provided with the RAID controller and with the operating system.

**D. Install Operating System Drivers:** With the operating system running, insert the Intel® Server Deployment Toolkit 2.0 CD. If using a Microsoft® Windows® operating system, the installer will autorun and allow you to select the appropriate drivers to install. On other operating systems, browse the CD folders to locate and install the driver files.

### Front Panel Controls and Indicators (shown with bezel removed)

A. NIC 1 LED  
B. NIC 2 LED  
C. Power LED  
D. Status LED  
E. HDD Activity LED  
F. USB 2.0 Port  
G. Power Button

## Intel® Server Board S5000VSA Component Layout

See your Intel® Server Board S5000VSA User's Guide for expanded component and connection information.

*Note: Refer to the Technical Product Specification for Diagnostic LED decoder list.*

**Optional Accessories and Order Codes**

Fixed Mount Bracket - supports four post mounting and two center post mounting	AXXBBLACK
Intel® Server Chassis SR2520 locking black bezel	ADRBEZBLACK
Spare basic slide rail kit - does not support Cable Management Arm	AXXBASICRAIL
Spare North America power supply cable	FPWRCABLENA
Intel® Server Chassis SR2520 spare 600-W fixed power supply	FSR600WFPS
Spare fan kit containing two fans - one of each fan type used in the Intel® Server Chassis SR2520	AOWFANKIT

You can find a complete list of accessories and spares at: <http://www.intel.com/go/serverbuilder>

## Platform Cabling Diagram

Information shown is for reference only.

**Legend:**

- (A) Server Board
- (B) Power Supply
- (C) System Fans
- (D) Optical Drive
- (E) Floppy Disk Drive
- (F) Front Panel Board
- (G) Hard Drive Drive Bays
- (A) Power to Server Board (Main)
- (B) Power to Server Board (CPU)
- (C) Power to Server Board (Auxiliary)
- (D) Front Panel USB
- (E) Front Panel
- (F) Optical Device Data Cable
- (G) Optical Device Power
- (H) Fan #1 Power
- (I) Fan #2 Power
- (J) Fan #3 Power
- (K) HDDs to Server Board SATA Connectors
- (L) USB Floppy
- (M) Hard Drive Power

# Reference