



IBM Systems



Quick start guide for IBM System p5 185 (7037-A50)

1

Before you begin

This Quick start guide contains an abbreviated set of setup instructions designed to help you quickly unpack and set up a standard system. Users unfamiliar with this IBM® hardware should use the fully detailed setup instructions that you can find in the IBM Systems Hardware Information Center. For details about how to access the information center, see task 8 *Finish your system setup*.



The exclamation mark surrounded by a gray triangle denotes caution. A CAUTION notice indicates the presence of a hazard that has the potential of causing moderate or minor personal injury. Before doing a step that contains a caution icon, read and understand the caution statement that accompanies it.



Rack-mounted devices are not to be used as a shelf or workspace. Do not place any object on top of rack-mounted devices.

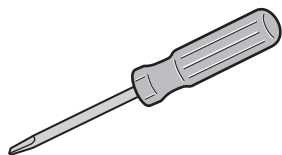


Use safe practices when lifting.



CAUTION: The weight of this part or unit is between 18 and 32 kg (39.7 and 70.5 lb). It takes two persons to safely lift this part or unit. (C009)

Tools needed (Rack installation only)	
	Flat-blade screwdriver



2

Inventory

2.1

Complete an inventory of the external parts.

Locate the kitting report (inventory list) in the bag that contains the information center CD (SK3T-8159). Make sure you received all of the parts that you ordered. Your order information should be located in an envelope adhered to the outside of your system box. You can also obtain order information from your marketing representative or IBM Business Partner.













If you have incorrect, missing, or damaged parts, contact any of the following resources:

- Your IBM reseller
- IBM Rochester manufacturing automated information line at 1-800-300-8751 (United States only)
- Directory of worldwide contacts at www.ibm.com/planetwide. Select your location to view the service and support contact information.

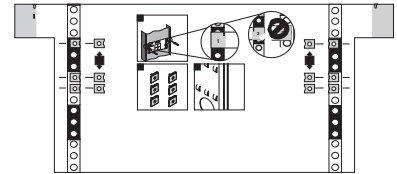
2.2

If you are not installing your server into a rack, skip to task 7 *Cable the server*.

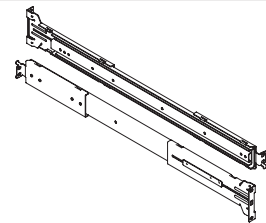
If you are installing your server into a rack, you will need the following parts:

Rack-mounting hardware kit		
	6	Cable straps
	10	M6 screws
	6	M4 screws
	4	Blue rack-support wheels
	1	Cage-nut-insertion tool
	10	Cage nuts
	10	Clip nuts
	1	Hinge bracket
	1	Hinge pin
	1	Self-adhesive placement dots
	2	Rack latches (optional)
	2	M3.5 screw

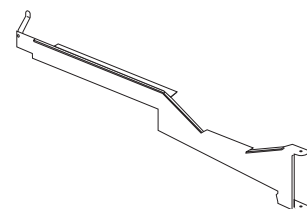
Rack-mounting template



Slide rail assemblies



Cable-management arm



3

Prepare the rack for installation

3.1

If you are installing your server into a new rack, ensure that you have completed the unpacking instructions that were provided with the rack.

If your server is already installed in a rack, skip to task 7 *Cable the server*.

3.2

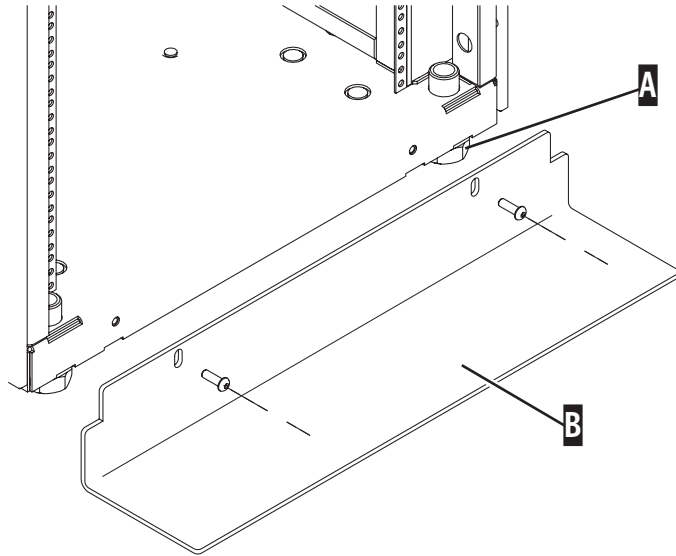
Place the rack in the location of the installation.

3.3

Use the wrench that was provided with your rack to level the rack by raising or lowering the front and back leveling feet **A**.

3.4

Install the stabilizer bracket **B** on the front of the rack.



4

Install the slide rail assemblies

If you do not have enough space around your rack to open the front and back doors completely, remove the doors before starting this task to allow adequate access.

4.1

Locate the rack-mounting template, the rack-mounting hardware kit, and the slide rail assemblies that were included with your server.

4.2

If the rack has a trim kit installed, remove the trim kit to provide access to the EIA units.

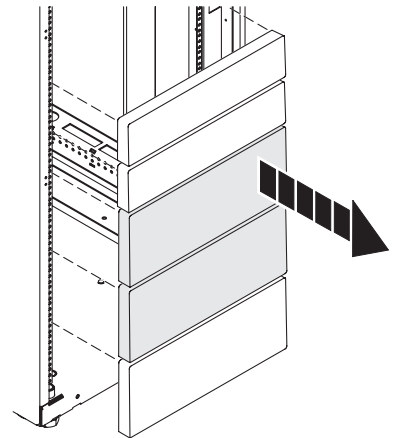
4.3

Use the rack-mounting template to determine where in the rack to place the server. Remove any filler panels necessary to allow adequate access to the location where you will install your server.

Note: Install units into the lower part of the rack first. Place larger and heavier units in the lower part of the rack.

4.4

Follow the rack-mounting template and use the self-adhesive placement dots to mark the location on the rack where you will place the server.



4.5

Using the cage-nut-insertion tool or a flat-blade screwdriver, install cage nuts (for square rack-rail mounts) or clip nuts (for round rack-rail mounts) into the marked locations on the left and right rack rails.

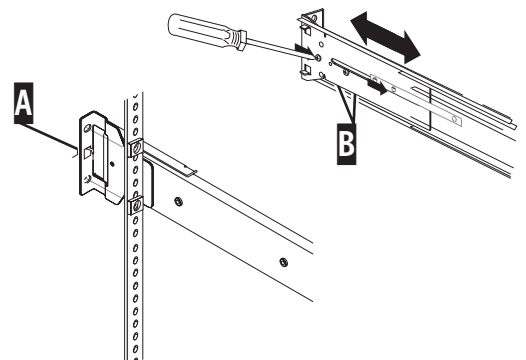
4.6

Install the slide rail assemblies.

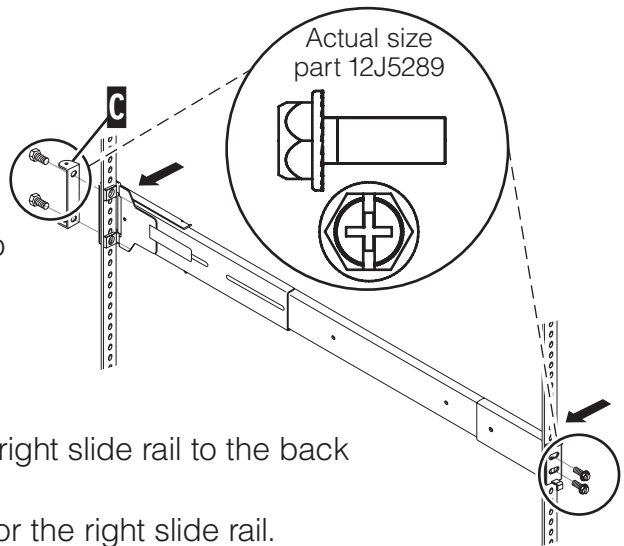
1. From the back of the rack, use the tab **A** on the back of the slide rails to align the slide rail to the back of the rack.

2. If necessary, adjust the length of the slide rail assembly by using a flat-blade screwdriver to loosen the two adjustment screws **B** on the back of the slide rail to expand or contract the slide rail.

Tip: You might need to extend the slide rails to access the adjustment screws **B**.



3. Locate the cable-management arm hinge bracket **C**. Using two M6 screws, secure the cable-management arm pivot bracket to the left slide rail (when you are facing the front of the rack) and into the rack.



4. Using two M6 screws, attach the right slide rail to the back of the rack.

Note: There is no hinge bracket for the right slide rail.

5. Moving to the front of the rack, use two M6 screws to secure the right slide rail to the front of the rack.

6. Use two M6 screws to secure the left slide rail to the front of the rack.

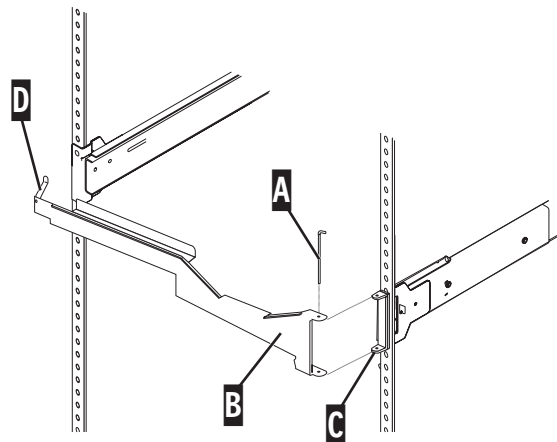
7. Tighten the screws that you used to adjust the length of the slide rail in substep 2.

5

Install the cable-management arm

Use the hinge pin **A** to attach the cable-management arm **B** to the cable-management hinge bracket **C**.

Note: Ensure that the lever **D** is in the horizontal position inside the rack cabinet to prevent the cables from touching the back door of the rack.



6

Install the server onto the slide rail assembly



Before installing the server onto the slide rail assembly, ensure that the leveling feet are extended and that the stabilizer bracket is correctly installed to prevent the rack from falling forward.

6.1

Remove the six M4 screws from the side of the server chassis. These will be used to attach the server to the side rails.

6.2

Attach the four blue rack-support wheels **A** to the side of the server.

6.3

Fully extend the slide rails out of the rack.

6.4

Using at least two people, lift the server above the slide rails and rest the server on the rack-support wheels on the slide rails.

6.5

Carefully slide the server to align the screw holes on the slide rails with the server chassis.

Tip: The front hole of the slide rail will align with the first hole in the server chassis.

6.6

Attach three M4 screws **B** on each side of the server to secure the server to the slide rails.

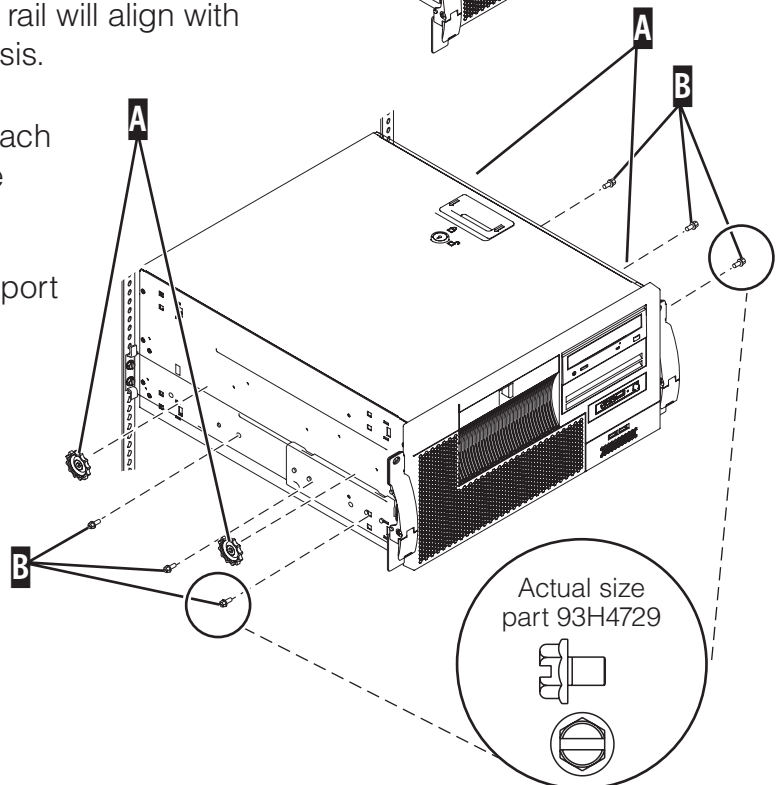
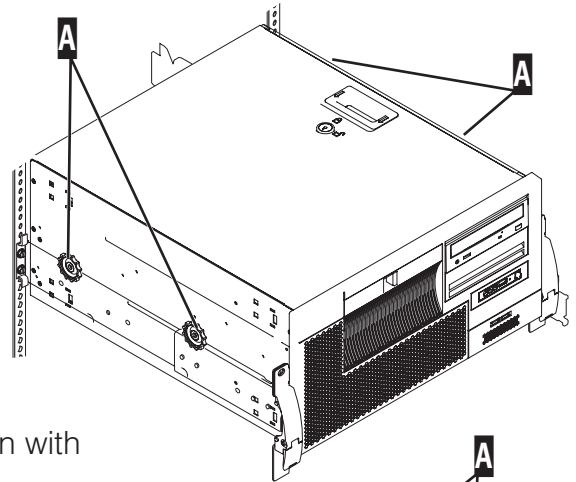
6.7

Remove the four blue rack-support wheels.



Ensure that all six screws are securely attached through the slide rail and into the server before removing the rack-support wheels. If the screws have not been inserted, the server might fall when the rack-support wheels are removed.

Actual size
part 93H4729



6.8

Using two M3.5 screws, install the cable bracket restraint **D** on the back-left side of the server.

Tip: The bracket will face and be bent slightly outward.

6.9

Simultaneously depress the safety latches **E**, located on both sides of the slide rails and push the server into the rack.

6.10

Slide the server in and out of the rack two or three times. This action aligns the server with the slide rails. The server should glide on the slide rails.

6.11

Push the server back into the rack. Using a screwdriver, tighten the rail-retaining screws that secure the slide rails to the rack's rear flange on each side of the rack.

6.12

Slide the server about halfway out of the rack.

6.13

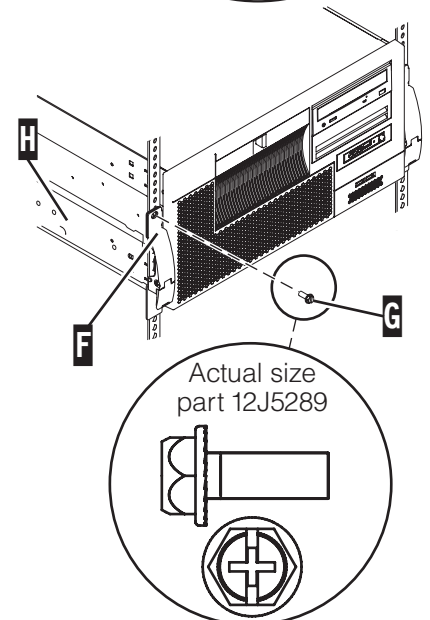
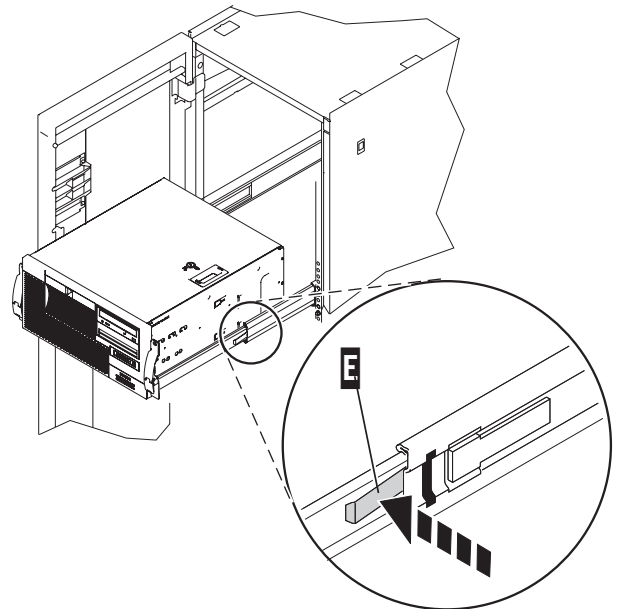
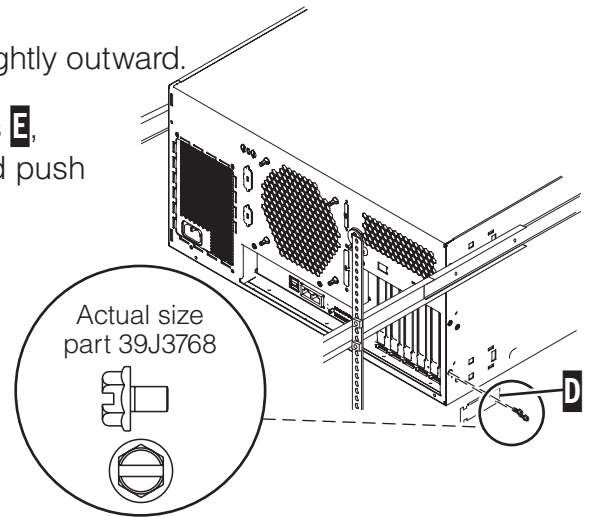
Using a screwdriver, tighten the front slide rail-retaining screws that secure the slide rails to the rack's front flange on each side of the rack.

CAUTION: After the slide rails are installed, do not extend them past their safety release latches. The safety release latches stop the slide rails from overextending and separating. This action prevents the server from being accidentally pulled out too far and dropped.

Attention: If any binding is detected, loosen the slide rail-retaining screws (front and back), and repeat steps 6.9 through 6.12.

6.13

For additional stability needed when transporting the rack, fasten the server to the rack enclosure by inserting the transport retaining screw **G** through the bezel and chassis bracket, and screwing it to the rack flange **F** and second optional screw **H** that prevents the slide rail from sliding.



7

Cable the server



CAUTION: This product is equipped with a 3-wire (two conductor and a ground) power cable and plug. Use this power cable with a properly grounded electrical outlet to avoid electrical shock. (C018)

7.1

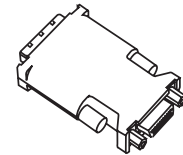
Connect the server's power supply **A** to a power source.

7.2

Connect a TTY terminal or terminal emulator to a serial port **B**, or connect a display monitor to an optional graphics adapter in one of the PCI slots **E**.

Note: Some display monitors are shipped with a CD that contains video drivers for Microsoft® Windows®. You do not need those drivers for this model.

Tip: Some graphics adapters require a DV1-1 to VGA converter. If you are using one of these graphics adapters, attach the supplied converter (04N7533) to your monitor cable before connecting to the graphics adapter.

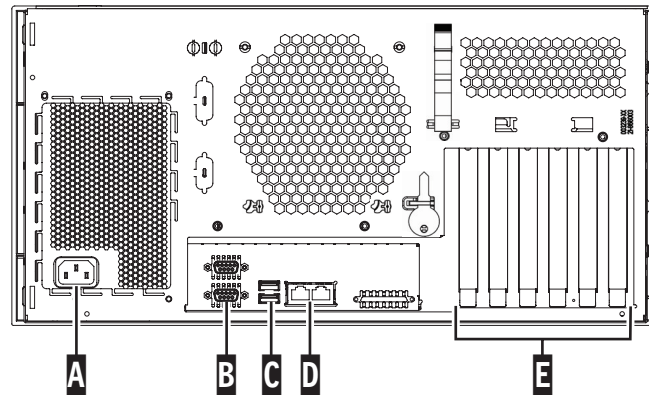


7.3

Connect a keyboard and mouse to the USB ports **C**.

7.4

If you want to connect the server with your network, connect a network cable to one of the Ethernet ports **D**.



7.5

If you are using any optional adapters, connect the cables to the appropriate adapter connectors in the PCI slots **E** of your server.

7.6

Route the cables through the cable-management arm and secure the cables with the straps provided.

7.7

You have completed the basic setup of your server. Go to task 8 *Finish your system setup*.

8

Finish your server setup

You have completed the basic tasks to set up your server.

You can now access the IBM Systems Hardware Information Center. Follow these steps to create a customized checklist that helps configure your server, install software, apply fixes, and establish connections with your service provider:

8.1

Using a Web browser, go to the information center at www.ibm.com/systems/infocenter/hardware.

8.2

From the navigation bar, click **Systems Hardware information > System p information > Initial server setup > Create a customized initial server setup checklist**.

8.3

Answer the questions in the interactive interview, and follow the procedures in the resulting checklist.

If you cannot access the online version of the information center, it is also provided on a CD (SK3T-8159) with your server.



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