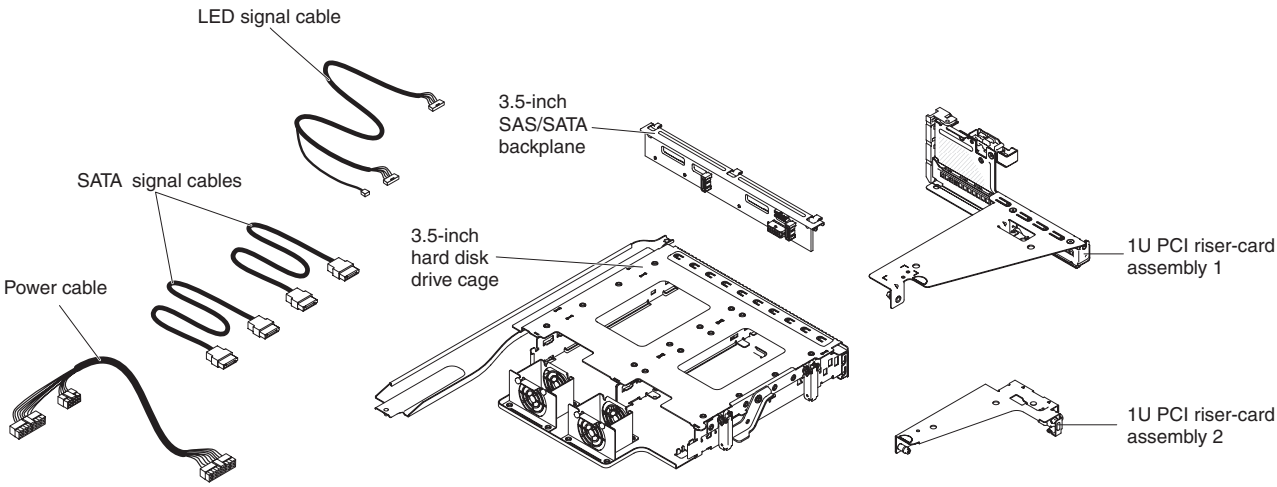
Systems X3630 M4 Hot-Swap Rear HDD Drive Cage Option

See the server documentation for detailed instructions for installing this option in the server.



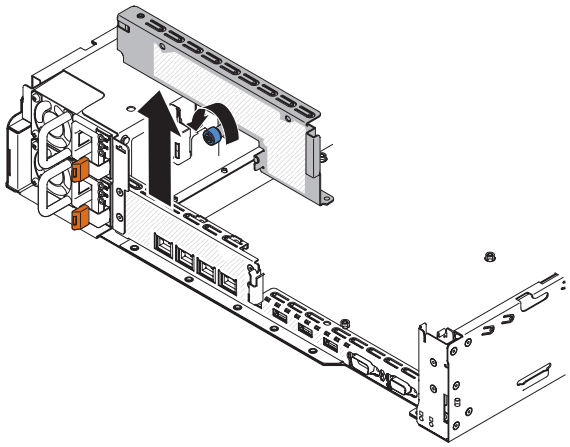
The option kit contains the following items:

- One 3.5 inch hard disk drive cage
- One 3.5 SAS/SATA backplane
- One LED signal cable
- Two SATA signal cables
- One power cable
- One 1U PCI riser-card assembly 1
- One 1U PCI riser-card assembly 2
- IBM warranty information document
- Important notices document
- This document

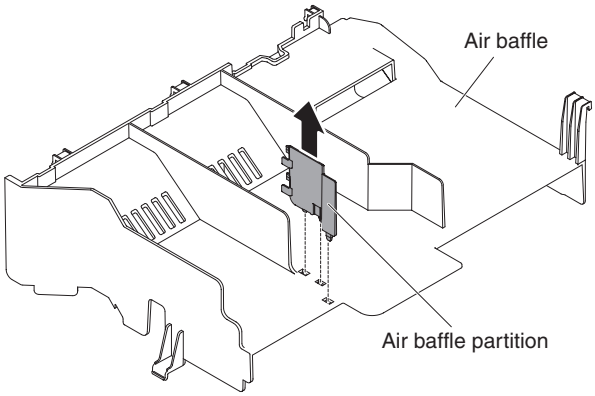
To install the optional rear hot-swap SAS/SATA hard disk drive cage, complete the following steps:

1. See the server *Problem Determination and Service Guide* for installation guidelines and additional safety information.
2. If the server is operating, turn off the server and peripheral devices and disconnect the power cords and all external cables.
3. Remove the cover, using the instructions in your server documentation.
4. If a drive filler cage is installed in the chassis, loosen the screw that secures the drive filler cage to the chassis; then, rotate the drive filler clockwise and remove the drive filler out of the bay from the server. Go to step 8.

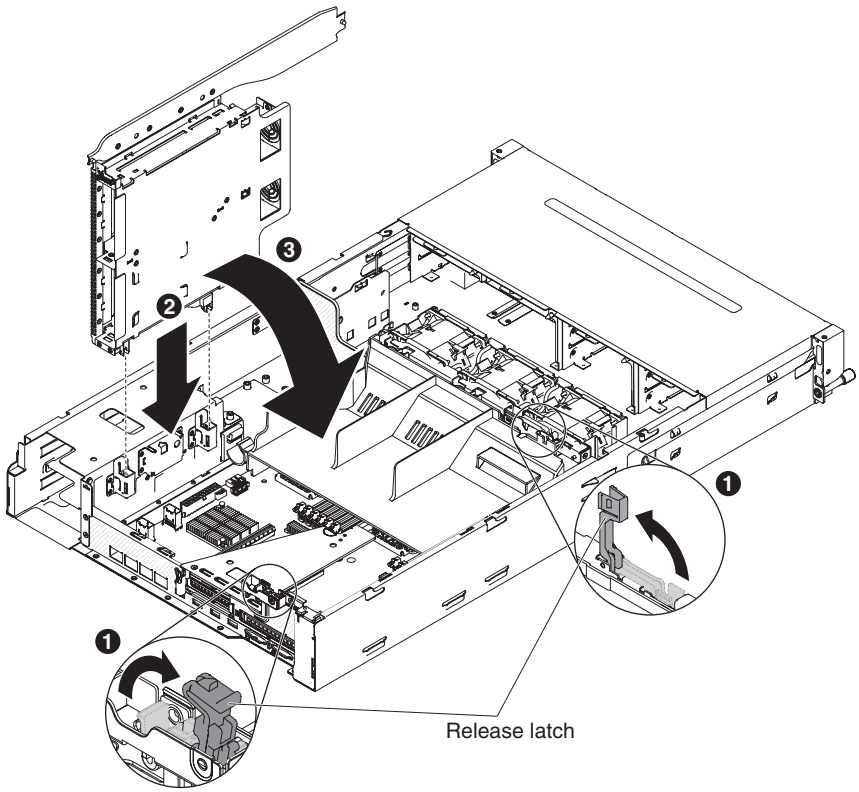
Note: If 2U PCI riser-card assemblies are installed in the server, go to step 5.



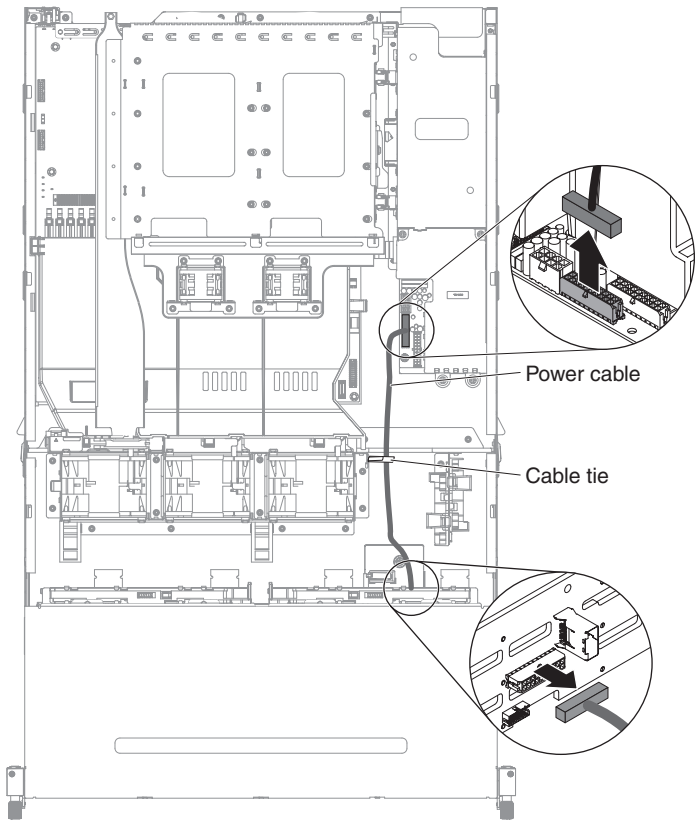
5. If 2U PCI riser-card assembly are installed in the server, remove all 2U PCI riser-card assembly and adapters, using the instructions in your server documentation.
6. Install the removed adapters and/or ServeRAID adapter into the relevant 1U PCI riser-card assembly, using the instructions in your server documentation.
7. Install the 1U PCI riser-card assembly, using the instructions in your server documentation.
8. If an air baffle partition is installed in the air baffle, remove it from the air baffle.



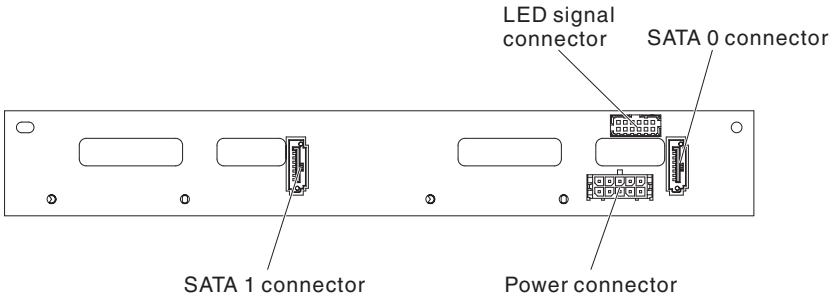
9. Open the two respective blue latches on the chassis **1** .
10. Align the two moveable levers of the rear hard disk drive cage with the two chassis support brackets. Slide the cage into the chassis support brackets until it firmly sits into place **2** . Then, rotate the cage inward until it firmly sits into place **3** .



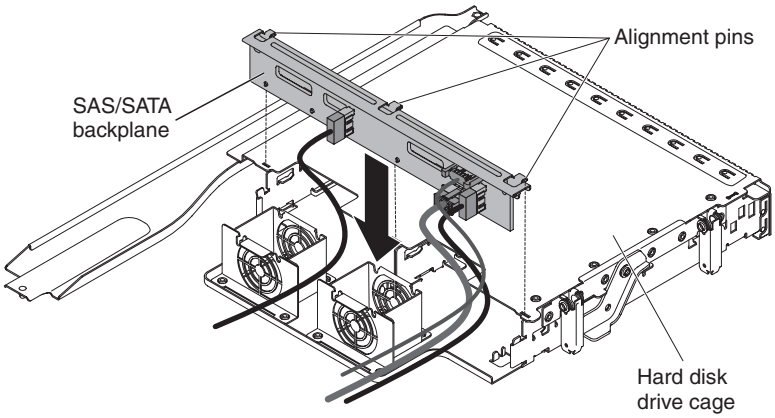
11. Close the latches on the chassis.
12. Remove the power cable that currently connects the hot-swap hard disk drive backplane in the server to the power-paddle card.



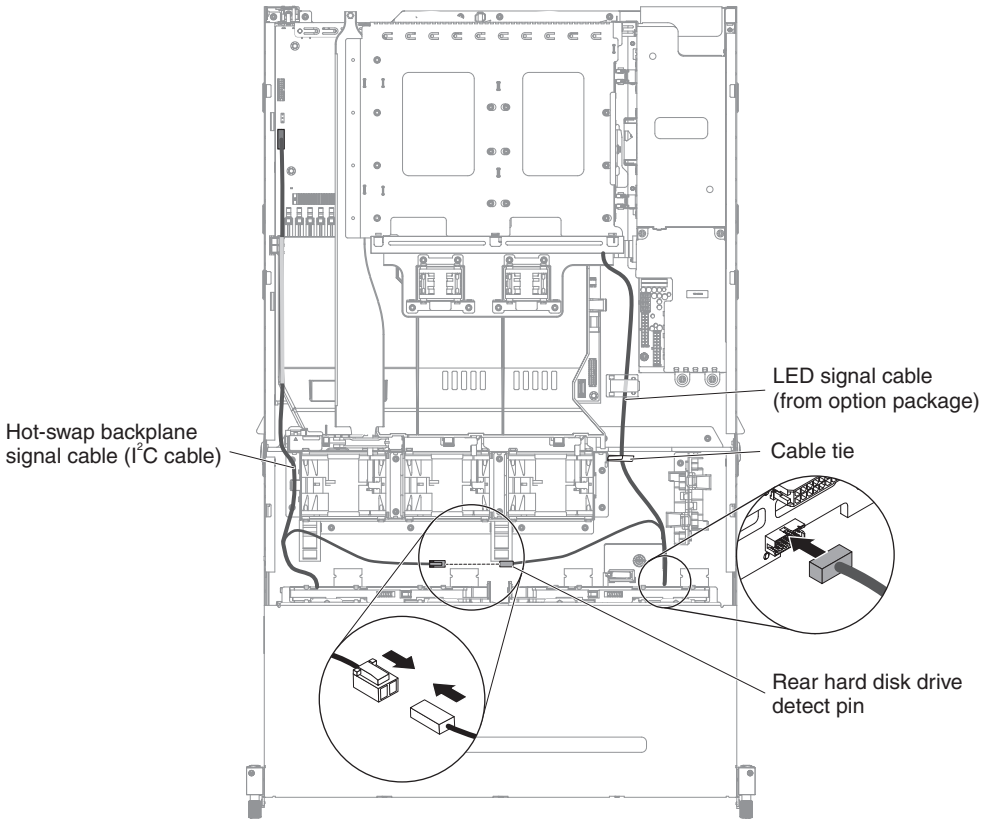
13. Connect the LED signal, SATA signal and power cables to the hot-swap backplane used for the rear hard disk drive cage. They can all be found from the option package.



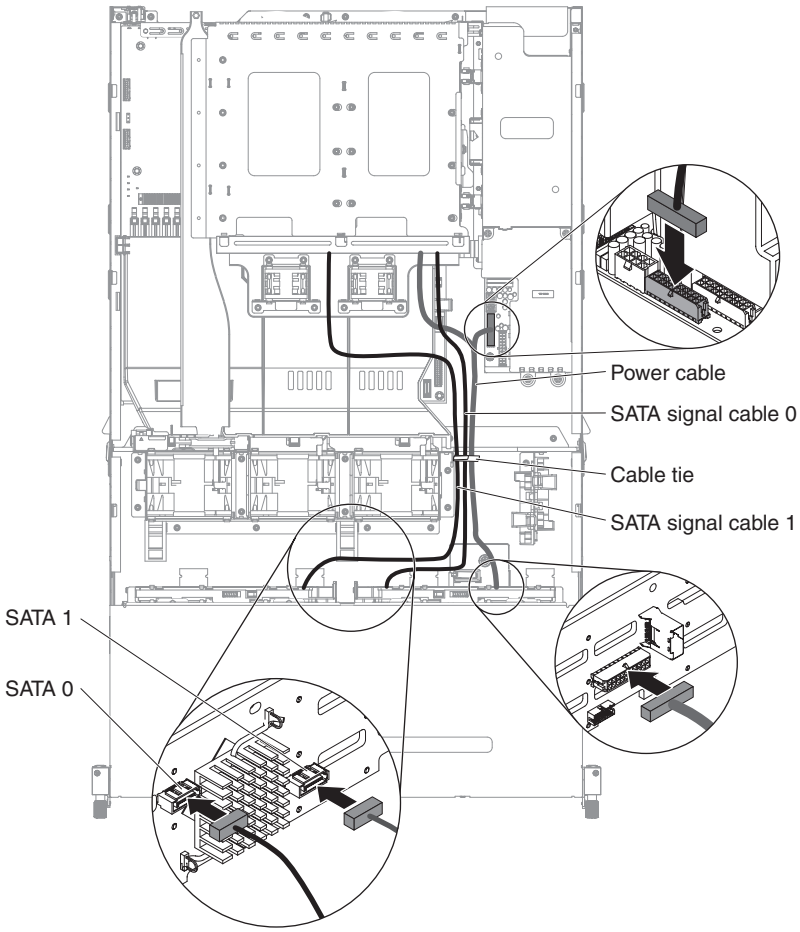
14. Align the backplane with the slot on the optional rear hard disk drive cage.
15. Lower the backplane into the optional rear hard disk drive cage. Make sure the three alignment pins securely engages the three holes on the hard disk drive cage.



16. Connect the other end of the LED signal cable to the hot-swap hard disk drive backplane in the server.
17. Find the rear hard disk drive detect pin of the hot-swap backplane signal (I^2C) cable located near the system fan cage; then, connect with the rear hard disk drive detect pin of the LED signal cable from the option package.



18. Connect the other end of the SATA signal and power cables to the power paddle card and hot-swap hard disk drive backplane in the server. Make sure the labels of both connectors are matched.



Note: Make sure the cables are routed in the proper locations without blocking the airflow. It is recommended to press all the cables downwards to make the cable routing easier. Secure the cables with any cable retention clips.

19. Install the server top cover, using the instructions in your server documentation.
20. Reconnect the external cables; then, reconnect the power cords and turn on the peripheral devices and the server.

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