

**Server Packaging Instructions: BladeCenter H Chassis**No. **P-04413** Rev. 12 Production Date: 01/28/2010

Owner: Jeffrey Miller

STG - Systems

000305 Document hits

Online Version is the Master

This document is designed to be used on-line. You are responsible to use only the “Production” version on-line.

IMPORTANT NOTICE: The Federal Aviation Administration requires certification that packages shipped by air do not contain explosives, hazardous materials, incendiaries or other destructive devices. Therefore, just prior to sealing the carton, you must inspect its contents to confirm that it contains only parts specified on the IBM bill of materials. If the contents meet specifications, then seal the carton with IBM logo tape or another tamper evident indicator specified on the bill of materials. The logo tape or tamper evident seal will indicate that the carton can be certified to meet FAA standards for air shipment. If you discover parts or devices that appear suspicious (whether or not potentially explosive), carefully secure the carton on the line and notify IBM management promptly.

- Information contained in this document is for reference purposes only.

- Process and Part Numbers may vary in each manufacturing location.

- Refer to local site procedures and Bill of Materials for any substitutions.

- No deviation is to be made to the overall assembly without prior written approval from the responsible Packaging Engineer.

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Section 1 - Applicable Systems, MTM Listing

These packaging instructions apply to the following machine types:

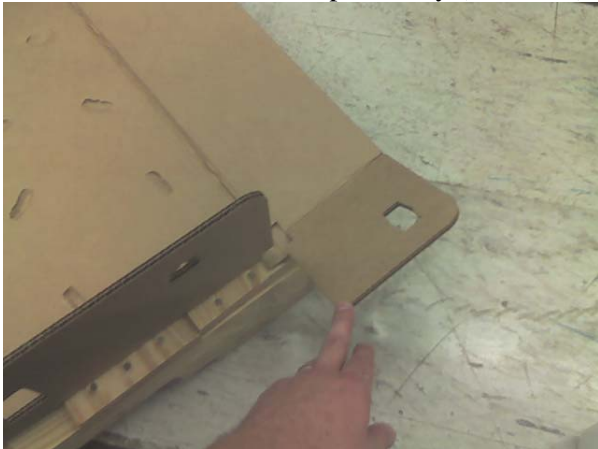
8852, 1886, 7989 - BladeCenter H Chassis - All IBM and OEM Versions

Section 2 - Unit Packaging

2.1 Inspect system to make sure there are no scuffs or scratches on unit.

2.2 Make sure voltage setting is correct.

2.3 Assemble BladeCenter pallet tray (44R3952) by folding in ends and using locking tabs to secure the tray.



2.4 Align assembled BladeCenter pallet tray with half pallet (PN varies by site).



2.5 Attach BladeCenter pallet tray (44R3952) to pallet using a minimum of eight staples (22K8096) as shown. (NOTE: old style tray shown in picture. Staple location should remain the same.)

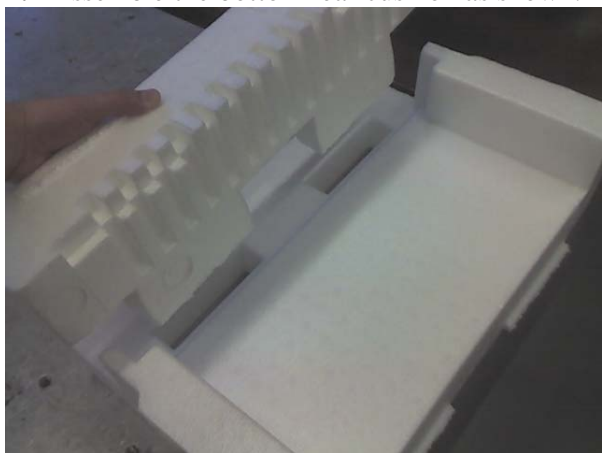


NOTE: Fabricated cushion alternate method below in 2.6b.

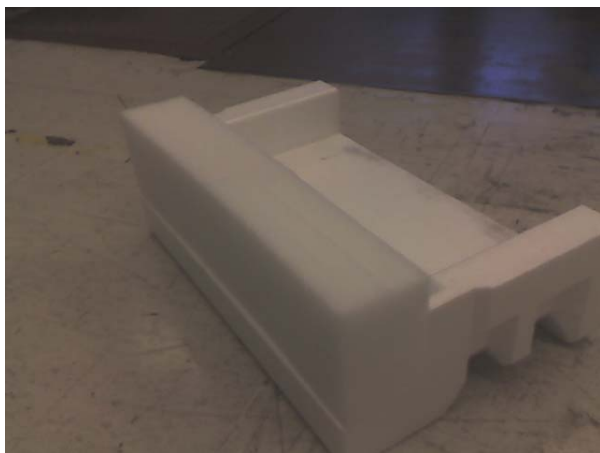
2.6 Locate two BladeCenter molded cushions (43X3125) and break apart as shown.



2.7 Assemble the bottom rear cushion as shown.



2.8 Locate fabricated insert 43X3126 and assemble bottom front cushion.



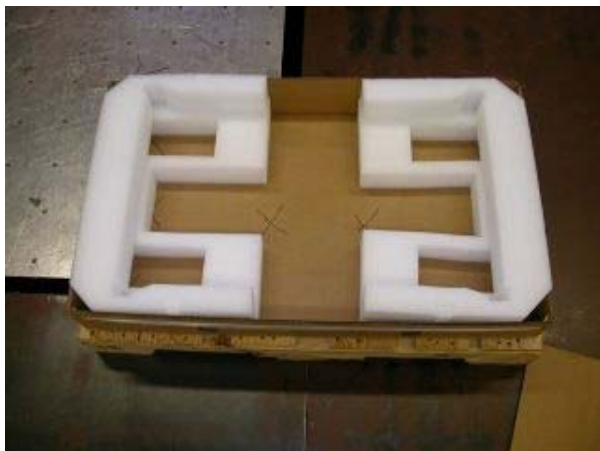
2.9 Place front and rear cushions into assembled BladeCenter pallet tray.



*****2.6b** Locate two universal fabricated cushions (44R3951) in preparation for placing in tray. Make sure they are set up correctly as shown below.



*****2.7b** Place cushions in tray making sure that the cushions are placed all the way to the front and rear of the tray (as shown).



2.10 Place bag (6165640) over bottom cushions in preparation for loading unit.



2.11 Place unit in bottom cushions. Make sure the system is fully seated in the cushions and placed all the way forward. There will be a ~1" gap behind the system.

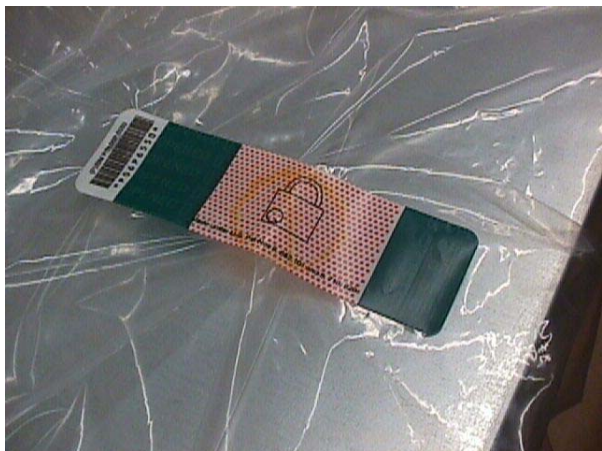
Note: Bag removed for demonstration purposes only.



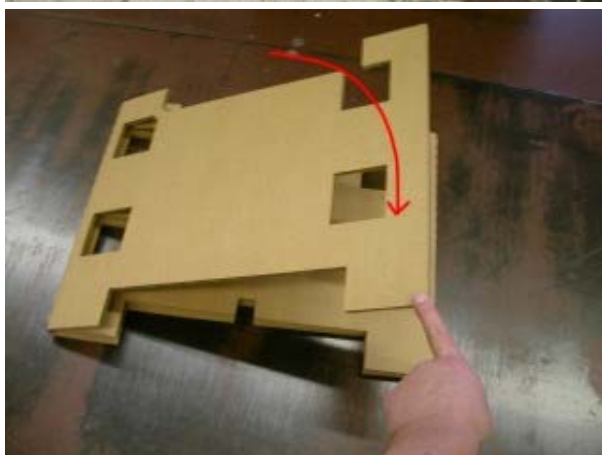
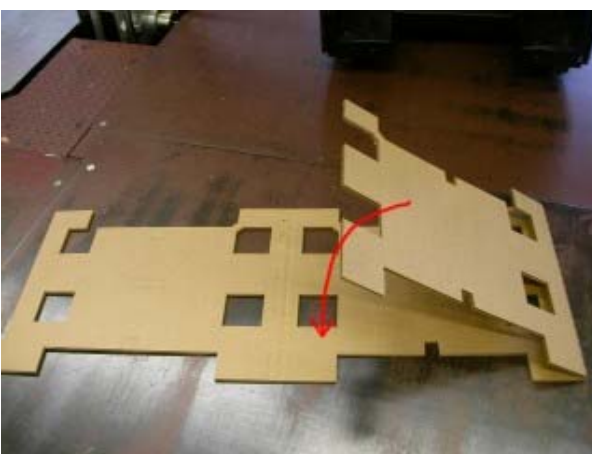
2.12 Apply a 2 inch (50mm) strip of appliance tape (01R3747) to each of the four handles to hold them in the down position.



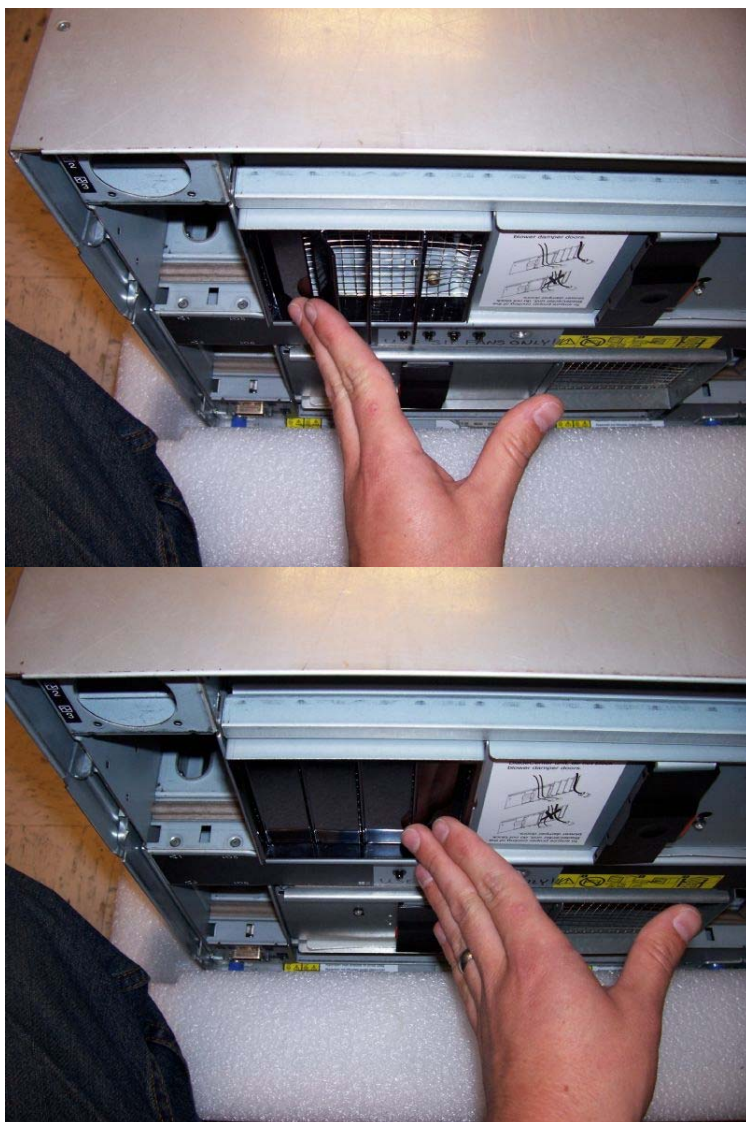
2.13 Making sure bag is pulled tight, use Tamper Label (06P6550) to seal edges of bag closed.



2.14 Locate the rear load spreader (22K8091) and assemble if necessary.



2.15 Make sure the top and bottom blower louvers are in the down position. Do not tape the flaps down.



2.16 Place assembled rear load spreader between rear face of system and rear cushion. Make sure the text is facing outward and upward and the tabs point toward the system.





2.17 Locate PBJ carton (44R3989 - IBM or 43X3202 - OEM) and fold bottom panels into carton, ends first.



2.18 Place assembled carton (44R3989 - IBM or 43X3202 - OEM) over system and tray (NOTE: carton sits on the pallet outside the tray).



2.19 Attach carton to tray/pallet assembly using four corrugated clips (44R3989).



2.20 Place tamper label (74F8851) over two clips on opposite sides of the carton.



NOTE: Fabricated cushion alternate method below in 2.21b.

2.21 Place two top cushions on top of system as shown.
(Carton not shown for clarity)



*****2.21b** Locate two universal fabricated cushions (44R3950), and place on top of unit.



2.22 Place rail kit in center cavity located between the holes of the top cushions.



2.23 Locate and set up three shipgroup trays (22K8089).



2.24 Place trays (22K8089) on top of cushions.



These trays are for shipgroup content, pubs, and CTO content as shown below.

2.25 Place shipgroup items in bag and place items in trays as necessary. For large items (high voltage power cables) use "trap doors" in the outer trays to create extra space.





2.26 Close the top of the carton and seal with tape.

For IBM branded units, use IBM logo tape: 46D2114 (manual) or 46D2115 (automatic)

For OEM blank carton units, use clear tape: 6272199



2.27 Print and place carton labels on label tick marks located on carton. Reference QMX document SG-P-01486 "Special Packaging Labeling Guidelines" which may contain additional labeling requirements.

2.28 Place Intel label (if called out in DFC) on the top of the carton between label location marks.

Section 3 - Manufacturing & Distribution Palletization

Worldwide Sites

3.1 Servers are intended to ship individually on a half-pallet.

Each server MUST ship out one Server to a half-pallet (P/N 6038888 or P/N 7373961).

3.2 Secure load to pallet utilizing "Best of Breed" palletization methods. See 92F6168 - "Best of Breed" Pallet Unitization.

NOTE: To comply with TSA (Transportation Safety Administration - USA) guidelines intended to prevent human stowaways from getting inside packages and then onto aircraft, this product **MUST** be 4-way banded.



3.3 Place two pallet labels (33G6283) on the front and left sides of the pallet load.

NOTE: Units are approved to be stacked 4 pallets high.

Section 4 - Materials Listing (BOM)

BCH IBM Packaging BOM - 22K8080

WW Common Packaging Components BOM - 22K8097

Part Number	Quantity	Description
22K8089	3	BladeCenter Shipgroup
44R3952	1	BladeCenter Pallet Tray
22K8096	8	Staple for attachment of pallet tray to pallet
44R3989	1	BladeCenter H PBJ Carton - IBM
43X3125	2	BladeCenter Molded Cushion
43X3126	1	BladeCenter H Fabricated Front Insert
* 44R3951	* 4	* BladeCenter H Universal Fabricated Cushions
37L0511	4	Corrugated Clips
6165640	1	Poly bag
22K8091	1	BladeCenter H Rear Load Spreader
46D2114 or 46D2115	as needed	IBM Logo Tape

BCH OEM Packaging BOM - 43X3200

WW Common Packaging Components BOM - 43X3201

Part Number	Quantity	Description
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22K8089	3	BladeCenter Shipgroup
44R3952	1	BladeCenter Pallet Tray
22K8096	8	Staple for attachment of pallet tray to pallet
43X3202	1	BladeCenter H PBJ Carton - OEM
43X3125	2	BladeCenter Molded Cushion
43X3126	1	BladeCenter H Fabricated Front Insert
* 44R3951	* 4	* BladeCenter H Universal Fabricated Cushions
37L0511	4	Corrugated Clips
6165640	1	Poly bag
22K8091	1	BladeCenter H Rear Load Spreader
6272199	as needed	Clear Tape

- ▶ **General Information**
- ▶ **Summary of Changes**
- ▶ **Approval Information**

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