IBM

STG - Systems

**Option Packaging Instructions : 2.5" Hotswap and Bare HDD Packaging BOM
46D2060 and 46D2064
No. WW-P-01031 Rev. 10
Status： Approved – Distribution Started**

General Information

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	If this document contains technology , technical data , or source code, you must Restrict the document access . ● For further assistance and guidance on this topic , please visit the Export Regulation Office web site and review the IBM Collaboration Environments Export Evaluation Checklist .
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NOTE: This document is designed to be used on-line. You are responsible to use only the "Production" version on-line.

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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.

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- 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 - Unit Packaging Instruction for BOM 46D2060:

Note: This packaging instruction section supports standard   2.5" Hotswap carriers .

1.0 - Assemble 2.5" HDD and packaging, then seal the bottom of the RSC P/N 46D2050 shut with IBM logo tape P/N 46D2114.

1.1 - Place HDD assembly in ESD P/N 4759223, fold bag and seal opening with ESD label P/N 6937292.
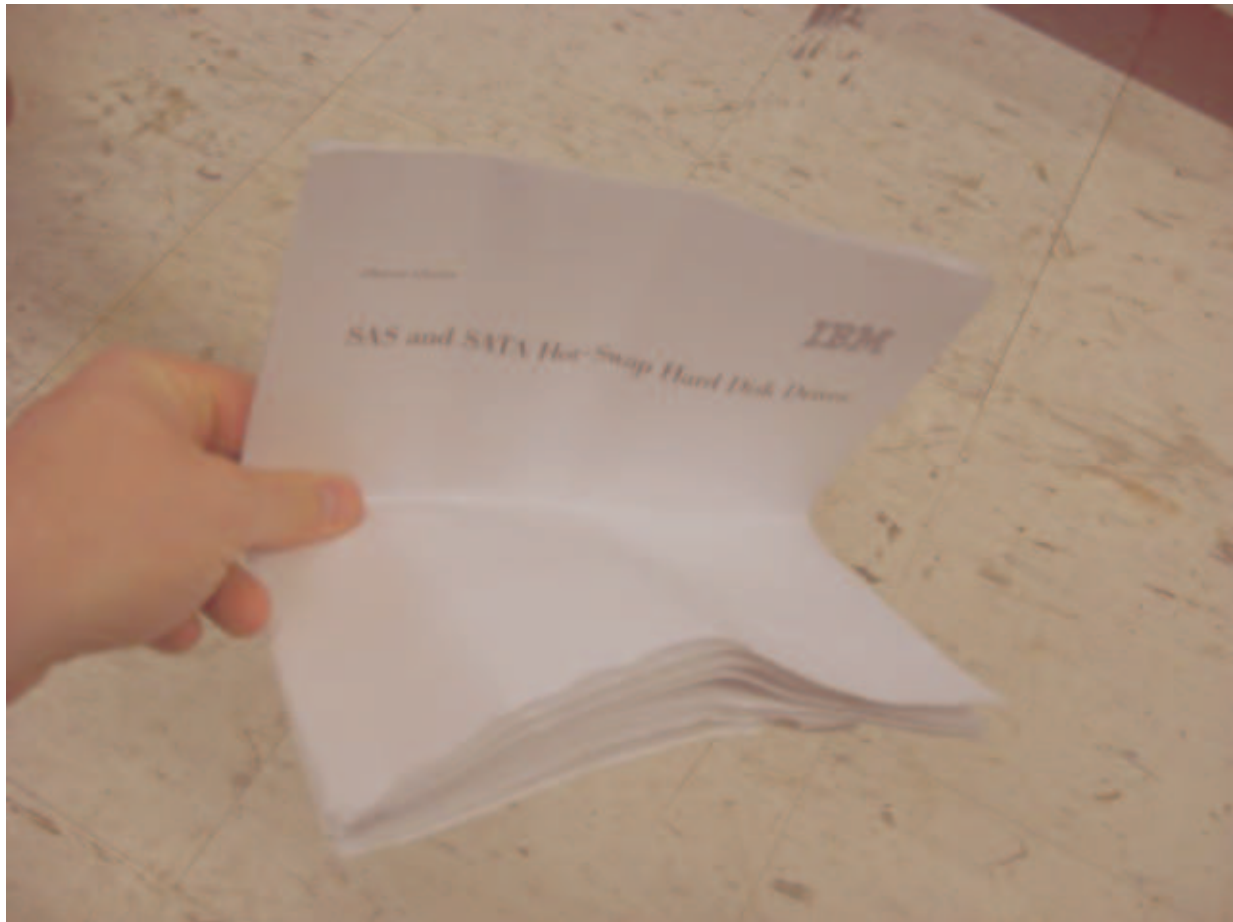
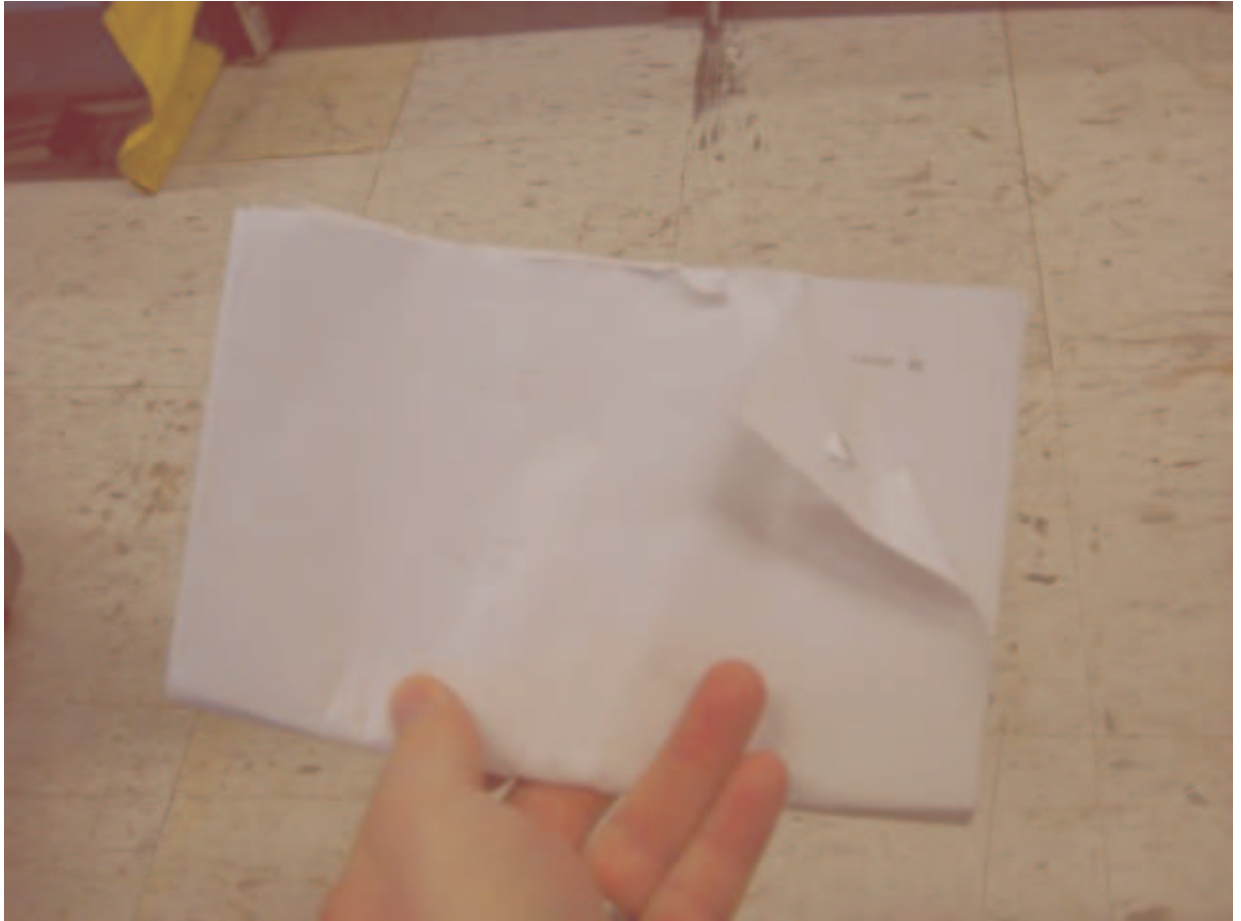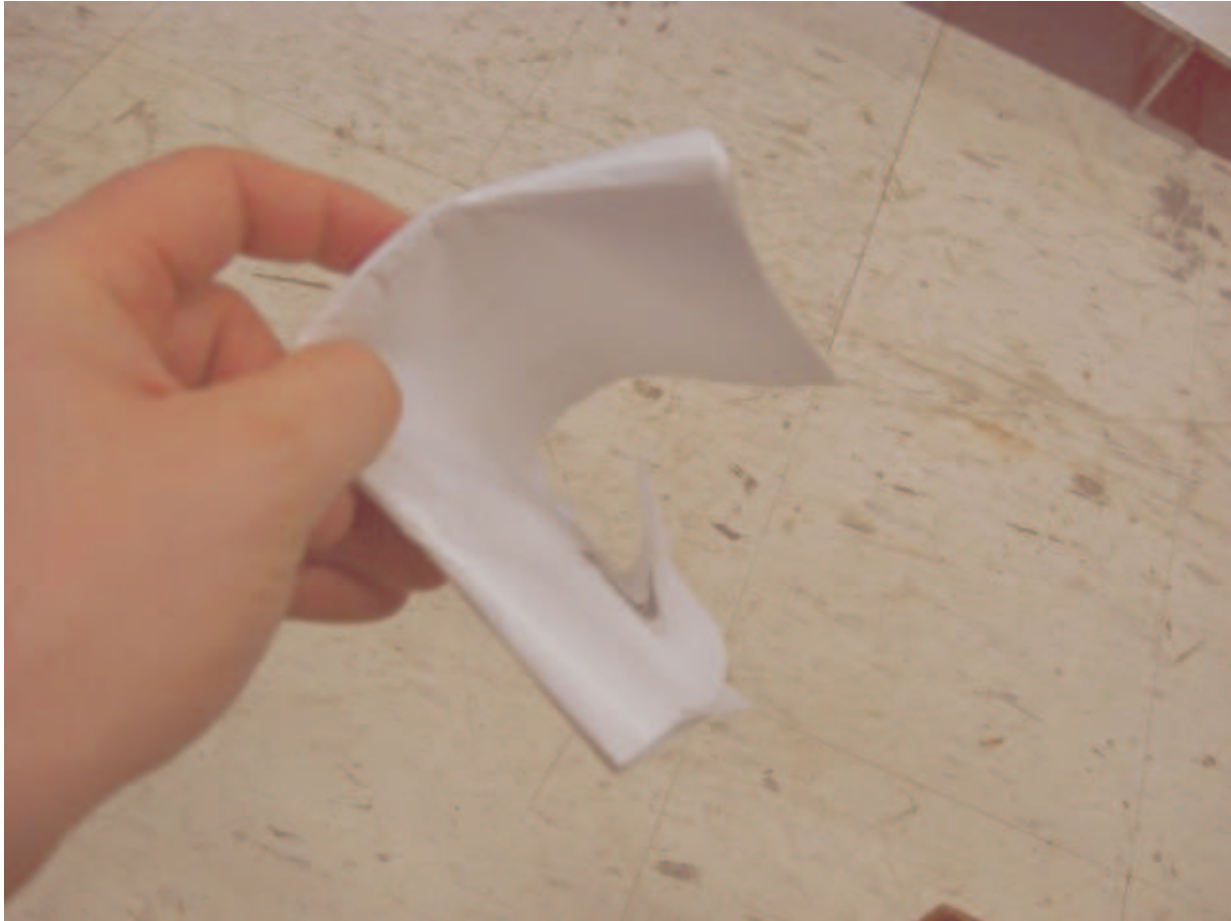**1.2** - Place bagged HDD in reflex cushions P/N 43X3145.

1.3 - Place HDD assembly in to carton P/N 46D2050.

1.5 - Grab for pubs, ensure the pubs are folded in half top to bottom, then slide the pubs down in between the carton side wall and the HDD.
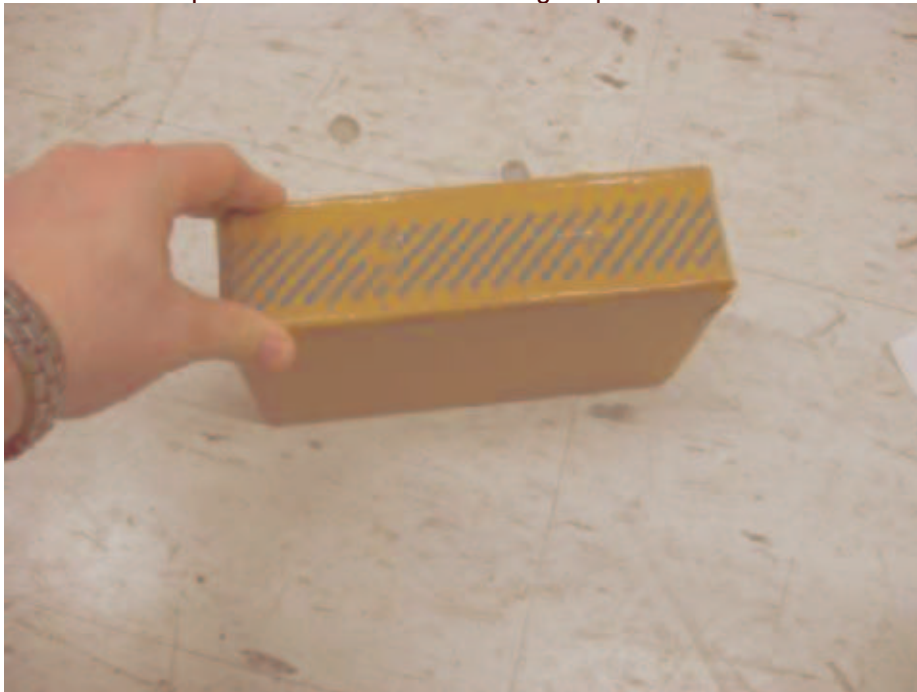
1.6 - May need to push down on the pubs slightly to close carton minor flaps.

1.7 - Seal the top of the RSC shut with IBM logo tape P/N 46D2114

1.8 - Place pre-printed option label P/N 76H2016 on the side of the carton.

Section 2 - Unit Packaging Instruction for BOM 46D2064:

Note: This packaging instruction section supports standard 2.5" bare HDDs without carriers .

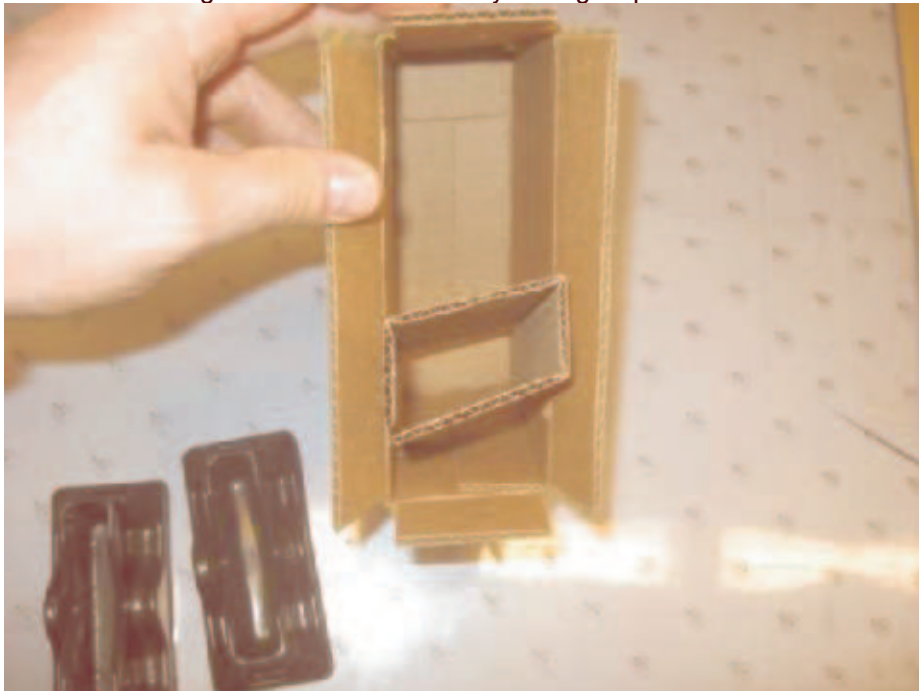**2.0** - Assemble 2.5" HDD and packaging, then seal the bottom of the RSC P/N 46D2050 shut with IBM logo tape P/N 46D2114.

2.1 - Place HDD assembly in ESD P/N 4759223, fold bag and seal opening with ESD label P/N 6937292.

2.2 - Place corrugated insert into carton by folding it up as shown below.

2.3 - Place bagged HDD in reflex cushions P/N 43X3145.

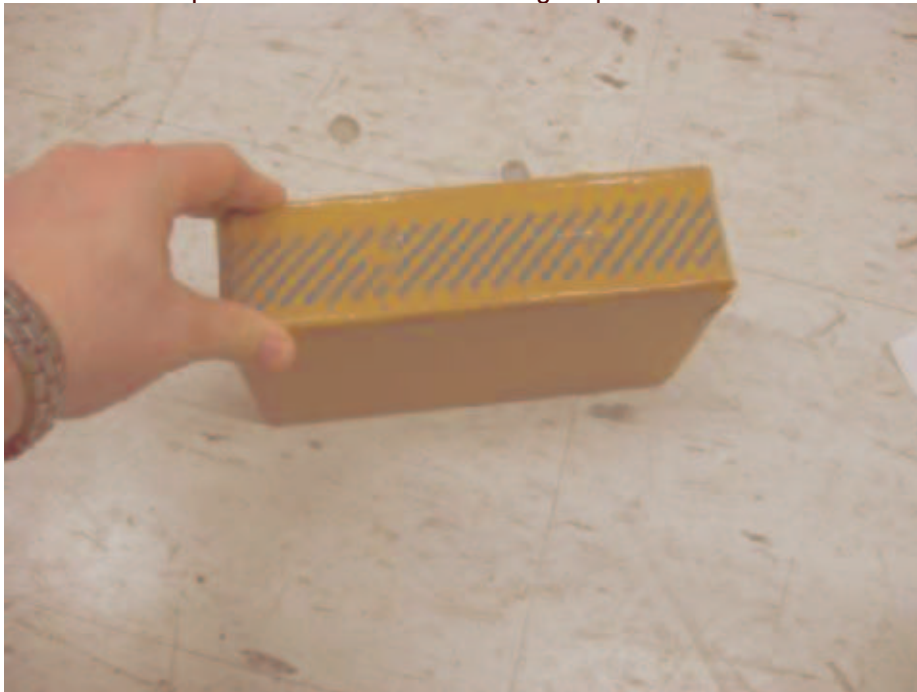**2.4** - Place HDD assembly in to carton P/N 46D2050.

2.5 - Grab for pubs, ensure the pubs are folded in half top to bottom, then slide the pubs down in between the carton side wall and the HDD.

2.6 - May need to push down on the pubs slightly to close carton minor flaps.

2.7 - Seal the top of the RSC shut with IBM logo tape P/N 46D2114

2.8 - Place pre-printed option label P/N 76H2016 on the side of the carton.

Section 3 - RSC P/N 46D2050 Shipment Instructions:

3.1.1 - Follow the chart below on how to ship out options in carton P/N 46D2050 for all WW Shipments.
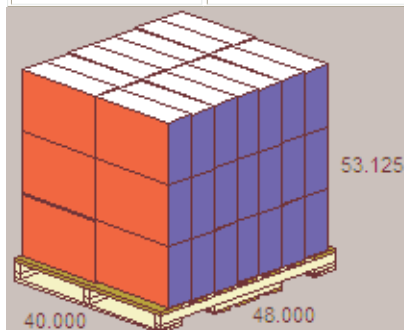
Quantity	No Pallet - Ship Individual	Overpack TBD	Multi-pack 73G1889
1	X		
2-13		X	
14			X
15 and up	see Section 4 below		

Section 4 - Multi-pack P/N 73G1889 Shipment & Palletiz...

US Shipments Only:

4.1.1 - Place up to 42 mult-packs on a full size pallet P/N 6038887 or 24 on a half pallet P/N 6038888 in even quantities.

Quantity	Half Pallet 6038888	Full Pallet 6038887	Overpack TBD **50lb max**	Multiple Overpacks TBD	No Pall Indiv
1					
2-5			X		
6-15				X	
16-24	X				
25-42		X			

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Product Length      43.750
Product Width       39.750
Product Height      47.625
Load Ref.              1 C
Area Eff.           90.6%
Cube Eff.           79.2%
Per Layer             14
Layers                 3
Case /Load            42
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53.125

40.000   48.000

or

****Note - Each over-pack box shipping without a pallet should not exceed 50lbs, if over, need to get a second over-pack box. Only use a half pallet if minimum number on the chart is met.****

4.1.2 - Secure load to pallet utilizing "Best of Breed" palletization methods. See P/N 92F6168 -
"Best of Breed" Pallet Unitization.

4.1.3 - Place two pallet labels P/N 33G6283 on the front and left sides of the pallet load.
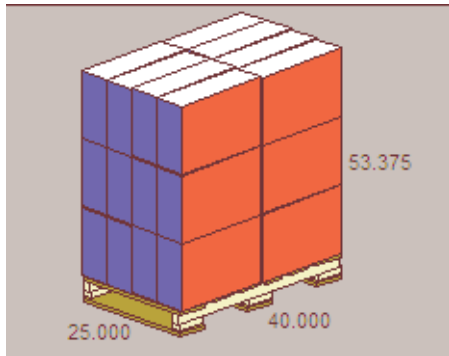
WW Excluding US Shipments:

4.2.1 - Place up to 42 multi-packs on a full size pallet P/N 7310275 or 24 on a half pallet P/N 7373961 in even quantities.

Quantity	Half Pallet 7373961	Full Pallet 7310275	Overpack TBD 50lb max	Multiple Overpacks TBD	No Pall Indi
1					
2-5			X		
6-15				X	
16-24	X				
25-42		X			

Note - Each over-pack box shipping without a pallet should not exceed 50lbs, if over, need to get a second over-pack box. Only use a half pallet if minimum number on the chart is met.

4.2.2 - Secure load to pallet utilizing "Best of Breed" palletization methods. See P/N 92F6168 -
"Best of Breed" Pallet Unitization.

4.2.3 - Place two pallet labels P/N 33G6283 on the front and left sides of the pallet load.

Section 5 - Packaging BOM Reference:

46D2060   2.5" Hotswap HDDs

Comp number		Comp UOM	Quantity	Lab des	Basic name	Description	BAC	Insert/E
46D2062	43X3145	1	2	9X CL	SHIP MATL	REFLEX CUSHION	PPN	N24820
	46D2050	1	1	9X CL	SHIP MATL	Carton	PPN	N24820
46D2114		11	0.5 M	9X CL	SHIP MATL	IBM Hand Tape	PPN	N24820
4759223		1	1	9X CL	BAG	6" X 10"	PPN	N24820
6937292		1	1	9X CL	LABEL		PPN	N24820
Optional for 6937292		4759236						

46D2064   2.5" Bare HDD

Comp number		Comp UOM	Quantity	Lab des	Basic name	Description	BAC	Insert/E
	43X3145	1	2	9X CL	SHIP MATL	REFLEX CUSHION	PPN	N24820
46D2065	46D2066	1	1	9X CL	SHIP MATL	Insert	PPN	N24820
	46D2050	1	1	9X CL	SHIP MATL	Carton	PPN	N24820
46D2114		11	0.5M	9X CL	SHIP MATL	IBM Hand Tape	PPN	N24820
4759223		1	1	9X CL	BAG	6" X 10"	PPN	N24820
6937292		1	1	9X CL	LABEL		PPN	N24820
Optional for 6937292		4759236						

References

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10	Robert W Stegner/Raleigh/IBM	Apr-12-2010	Added Multipack
Previous Versions			
9	Robert W Stegner/Raleigh/IBM	Mar-29-2010	Creating new packaging instruction for cost reduced 2.5" HDDs
8	Robert W Stegner/Raleigh/IBM	Jun-12-2009	consolidating

			procedures
7	Robert W Stegner/Raleigh/IBM	Nov-11-2008	Yearly update
6	Michael D Mizzi/Raleigh/IBM	Dec-11-2007	Added Rob as author

Long Description of Changes

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