



SN4000 Switch Systems Dismantling Guide

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This document is preliminary and subject to change.

This document is intended for use by end-of-life recyclers or treatment facilities. It provides instructions for the proper disassembly and disposal of the SN2000 switch systems specified below.

Disassembling the System from the Rack

Before referring to the dismantling instructions of the specific system family, remove the system from the rack:

1. Unplug and remove all connectors.
2. Unplug all power cords.
3. Remove the ground wire.
4. Unscrew the center bolts from the side of the system with the bracket.

 Support the weight of the system when you remove the screws so that the system does not fall.

5. Slide the system from the rack.
6. Remove the rail slides from the rack.
7. Remove the caged nuts.

Part Numbers

SN4600C Part Numbers

For the Dismantling instructions of the SN4600C systems, see .

System Model	OPN	Description
SN4600C	MSN4600-CS2F	NVIDIA Spectrum-3 based 100GbE 2U Open Ethernet Switch with Onyx, 64 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, standard depth, P2C airflow, Rail Kit
	MSN4600-CS2R	NVIDIA Spectrum-3 based 100GbE 2U Open Ethernet Switch with Onyx, 64 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, standard depth, C2P airflow, Rail Kit
	MSN4600-CS2FC	NVIDIA Spectrum-3 based 100GbE 2U Open Ethernet Switch with Cumulus Linux, 64 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, standard depth, P2C airflow, Rail Kit
	MSN4600-CS2RC	NVIDIA Spectrum-3 based 100GbE 2U Open Ethernet Switch with Cumulus Linux, 64 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, standard depth, C2P airflow, Rail Kit
	MSN4600-CS2FO	NVIDIA Spectrum-3 based 100GbE 2U Open Ethernet Switch with ONIE, 64 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, standard depth, P2C airflow, Rail Kit
	MSN4600-CS2RO	NVIDIA Spectrum-3 based 100GbE 2U Open Ethernet Switch with ONIE, 64 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, standard depth, C2P airflow, Rail Kit

SN4000 Dismantling Instructions



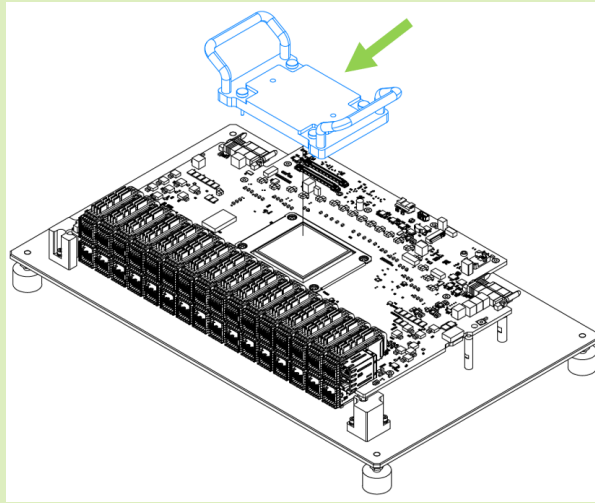
This manual is preliminary and subject to changes.

SN4600C Systems Dismantling

To dismantle the system, perform the following steps, while viewing the matching illustrations in the [Component Illustrations](#) table. To view the amounts of each component in your system, refer to the [Component List](#) below with the item number in the brackets. Once you are done dismantling all switch components, make sure you have all [Screws, Nuts and Washers](#).

1. Disassemble the [Fan Modules](#) (1#) and the [Power Supplies Units](#) (2#).
2. Unscrew all screws (#c, #f) securing the [Top Cover](#) (#3) to the system's base, and remove it.
3. Unscrew all screws and washers (#c) securing the [Front Panel](#) (#4) to the system's base, and remove it.
4. Remove all [Heatsink Patch Spacers](#) (#5), and disassemble the [Heatsink Unit](#) (#6).
5. Remove all [Comex to Cover Spacers](#) (#7) and unscrew all screws (#e) securing the [COM Express Module](#) (#8) to the chassis, and remove it.
6. Cut all Cable-Ties (a#).
7. Disconnect the [Power Harness between the Fan Board and Main Board](#) (#9) from both sides.
8. Disconnect the [Signal Harness between the Fan Board and Main Board](#) (#10) from both sides.
9. Locate the [Coin Battery](#) (#11) under the designated latch, and remove it.
10. Unscrew the screw (#b) securing the the [SATA SSD Module](#) (#12) to the [Main Board](#) (13#), and remove it .
11. Use the dedicated jig^a to remove the [Main Board](#) (#13) from the chassis: remove all [Comex Patch Spacers](#) (#14) and [Heat Sink Limiter Patch Spacers](#) (#15), and unscrew all screws (#g, #i) securing the [Main Board](#) (#13) to the chassis.
12. Unscrew all screws (#d) securing the the [Fan Board](#) (#16) to the chassis, and remove it .
13. Remove the [Pull-Tab Lock Washer](#) (#17), and pull-out the [Pull-Tab](#) (#18).
14. Uninstall the [Light Pipes](#) (#19), and remove them from the fan dividers.
15. Remove all [COM Express Spacers](#) (#20), [Main Board Spacers](#) (#21) and the [Main Board Guide Pin](#) (#22).

^a Jig PN - MTCJ2751. For assembly instructions, please contact your Mellanox representative.



Component List

Components		
#	Component	SN4600C
1.	2U Fan Assembly	3
2.	Power Supply Unit	2
3.	Base Top Cover	1
4.	Front Panel Assembly	1
5.	Heat Sink Limiter Patch Spacer	4
6.	Heat Sink Base with Stacked Fins	1
7.	Comex to Cover Spacers	2
8.	COM Express Module	1
9.	Power Harness between the Fan Board and Main Board	1
10.	Signal Harness between the Fan Board and Main Board	1
11.	Coin Type Lithium Battery Battery	1
12.	SATA SSD Module	1
13.	Main Board	1
14.	Comex Patch Spacers	3
15.	Heat Sink Limiter Patch Spacers	4
16.	Fan Board	1

17.	Pull-Tab Lock Washer	1
18.	Pull-Tab	1
19.	Long Light Pipe For Double Fan Dividers	3
20.	COM Express Spacers	2
21.	Main Board Spacers	13
22.	Main Board Guide Pin	1

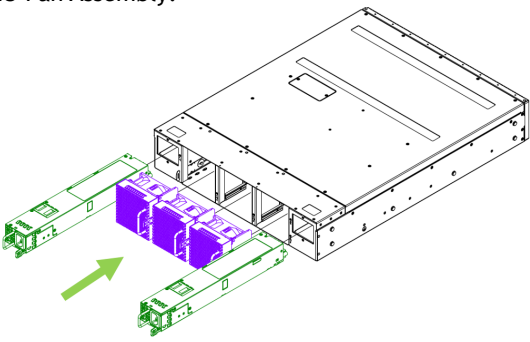
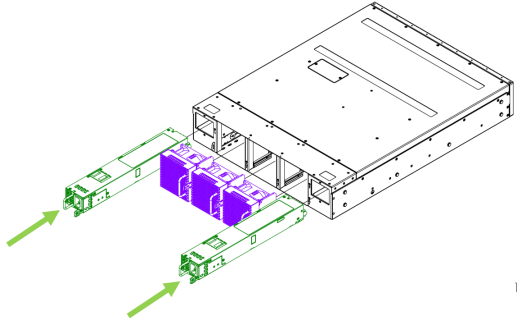
Screws, Nuts and Washers

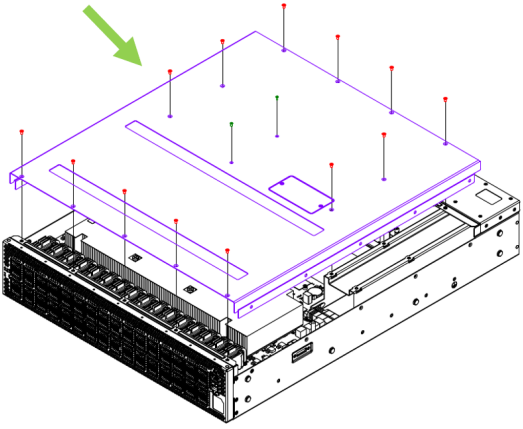
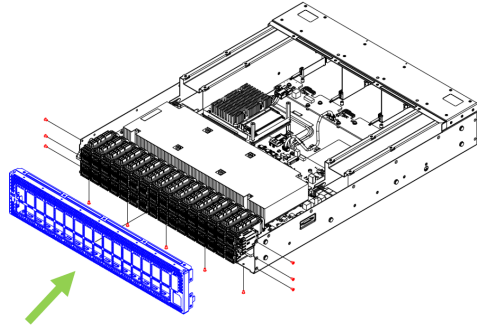
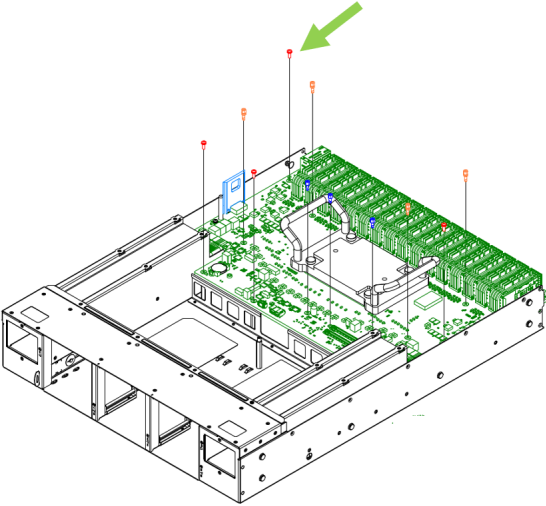
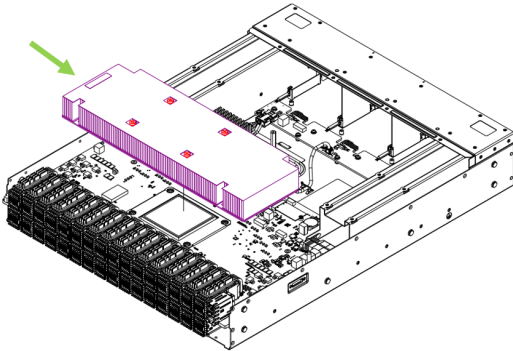
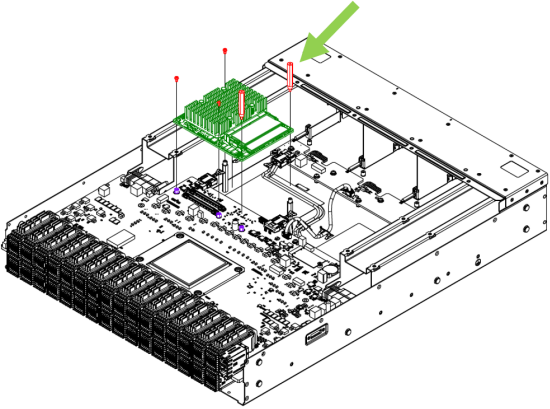
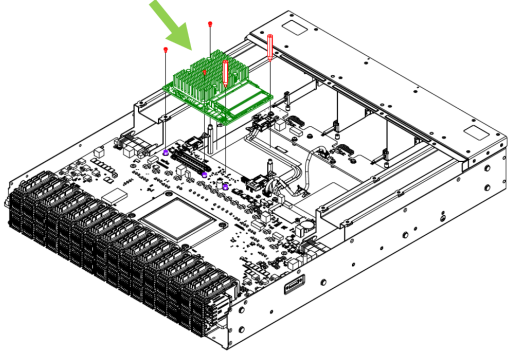
a.	Plastic Cable Tie	2
b.	Flat Head SM3X5 ST.ST DIN:965A Phillips Screw	1
c.	Flat Head 100° 4-40x3/16" Phillips Patch Screw	34
d.	Pan Head 4-40x5/16" Double Washer Phillips Sems Screw	8
e.	Pan Head M2.5x5 St.St Phillips Flat Washer Screw	3
f.	Flat Head Philips 100° 2-56x3/16" St.St Patch Screw	2
g.	Pan Head Philips Double Washer 4-40x3/8" St.St Screw	6
i.	Flat Head Philips 100° 6-32x1/4" St.St Patch Screw	4

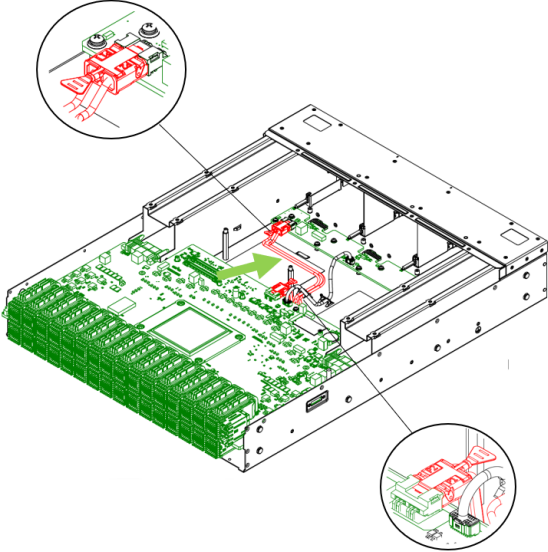
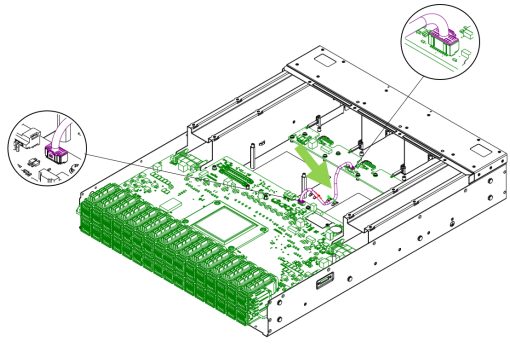
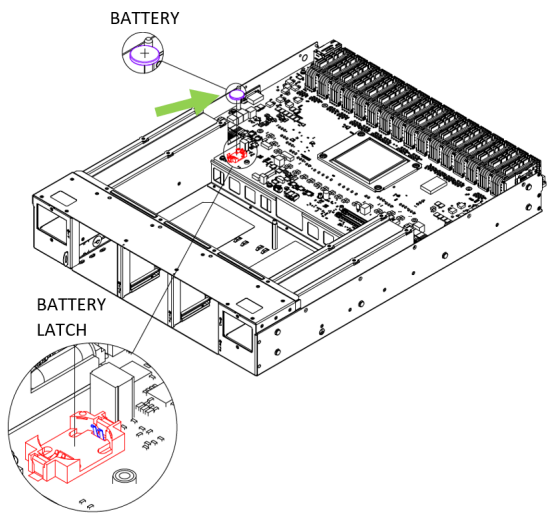
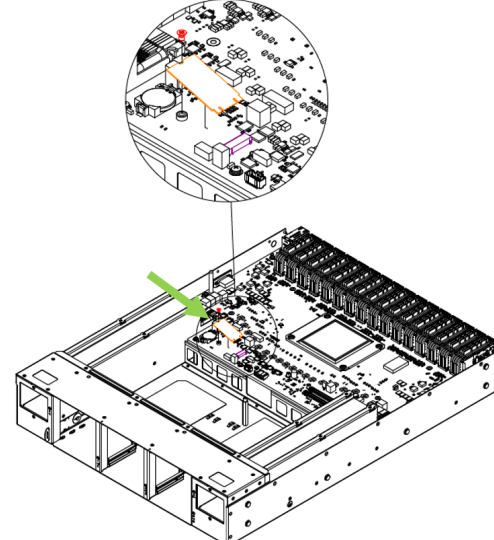
Component Illustrations

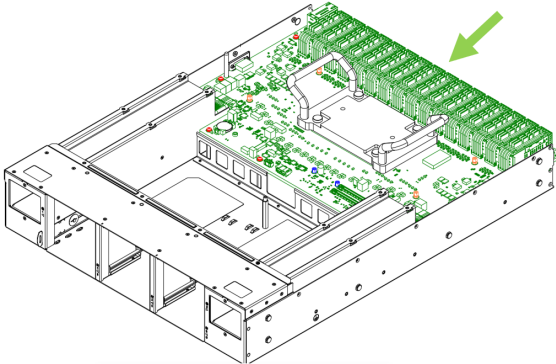
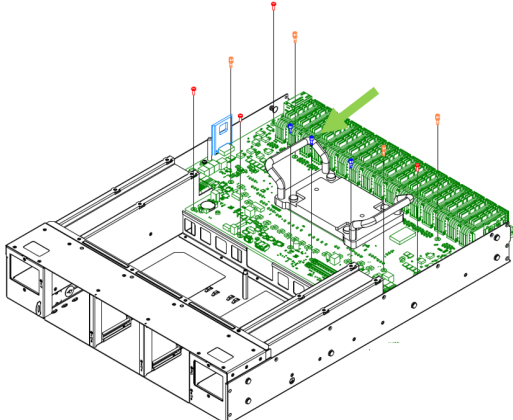
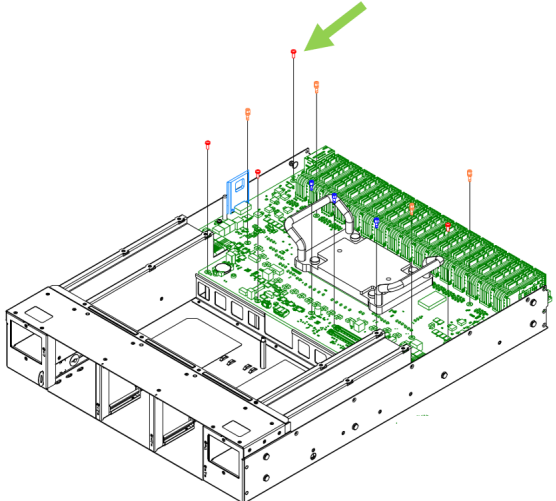
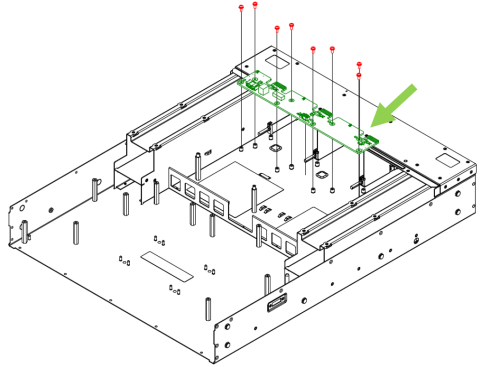
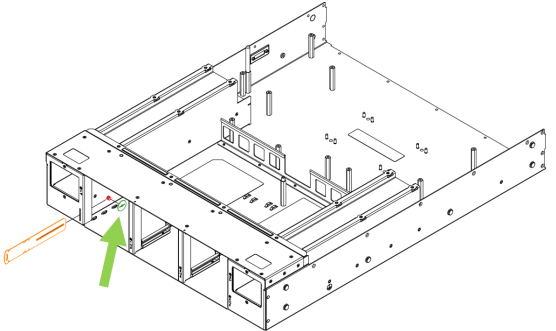
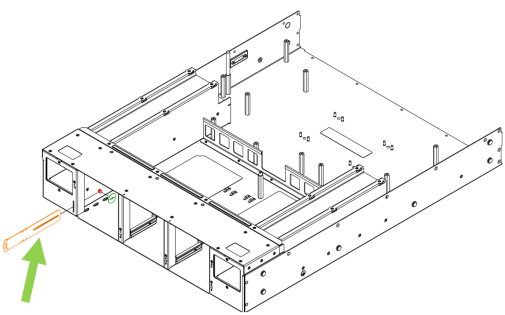


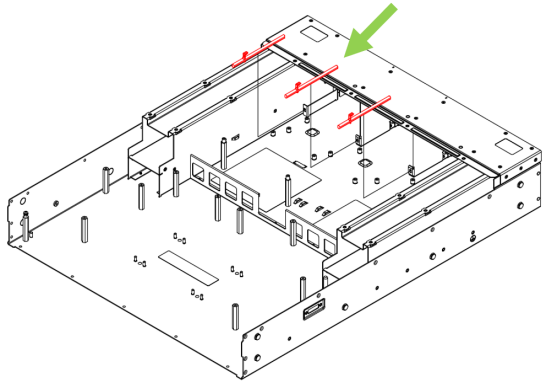
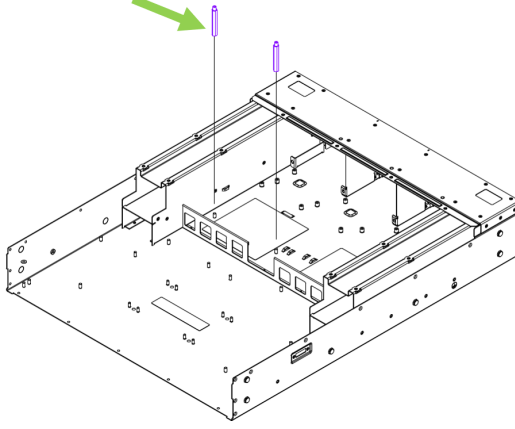
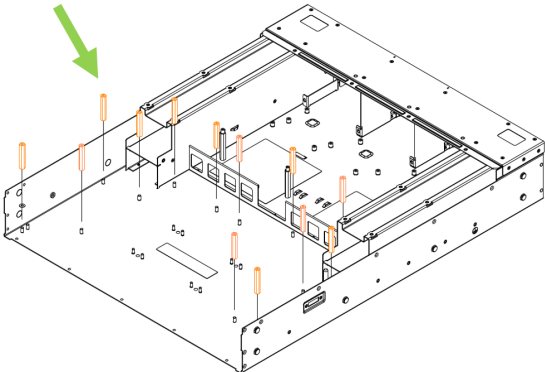
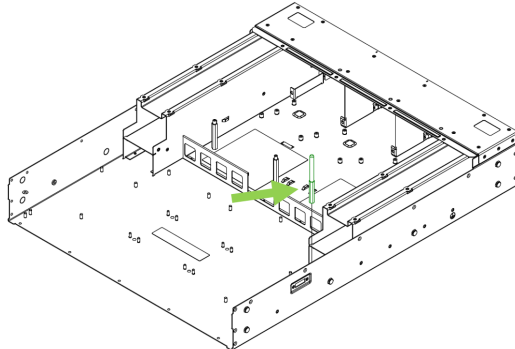
Note: The images in the following table are provided for illustration purposes only. The components may slightly vary, depending on the system's family and specific model.

#	Component	#	Component
1.	2U Fan Assembly: 	2.	Power Supply Unit: 

#	Component	#	Component
3.	<p>Base Top Cover:</p> 	4.	<p>Front Panel:</p> 
5.	<p>Heat Sink Patch Spacer:</p> 	6.	<p>Heat Sink Unit:</p> 
7.	<p>Comex to Cover Spacer:</p> 	8.	<p>COM Express Module:</p> 

#	Component	#	Component
9.	<p>Fan Board To Power Extender Power Harness:</p> 	10.	<p>Main Board To Fan Board Signal Harness:</p> 
11.	<p>Coin Type Lithium Battery:</p>  <p>BATTERY</p> <p>BATTERY LATCH</p>	12.	<p>SATA SSD Module:</p> 

#	Component	#	Component
13	Main Board (Switch Board): 	14	Comex Patch Spacer with Long Male Thread: 
15	Heat Sink Limiter Patch Spacers: 	16	Fan Board: 
17	Pull-Tab Lock Washer: 	18	S/N Pull-Tab: 

#	Component	#	Component
19	<p>Long Light Pipe For Double Fan Divider:</p> 	20	<p>COM Express Spacers:</p> 
21	<p>Main Board Spacers:</p> 	22	<p>Main Board Guide Pin:</p> 

Disposal

Disposal Instructions

According to the WEEE Directive 2002/96/EC, all waste electrical and electronic equipment (EEE) should be collected separately and not disposed of with regular household waste. Dispose of this product and all of its parts in a responsible and environmentally friendly way.



Selective Treatment Equipment

For a list of materials and components of waste electrical and electronic equipment for selective treatment, please refer to Article 6(1) and Annex II of the [EU WEEE Directive](#).

Document Revision History

Date	Revision	Description
September 2020	1.0	Initial revision.

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