



Unitrends FRU Guide - RC943S-600

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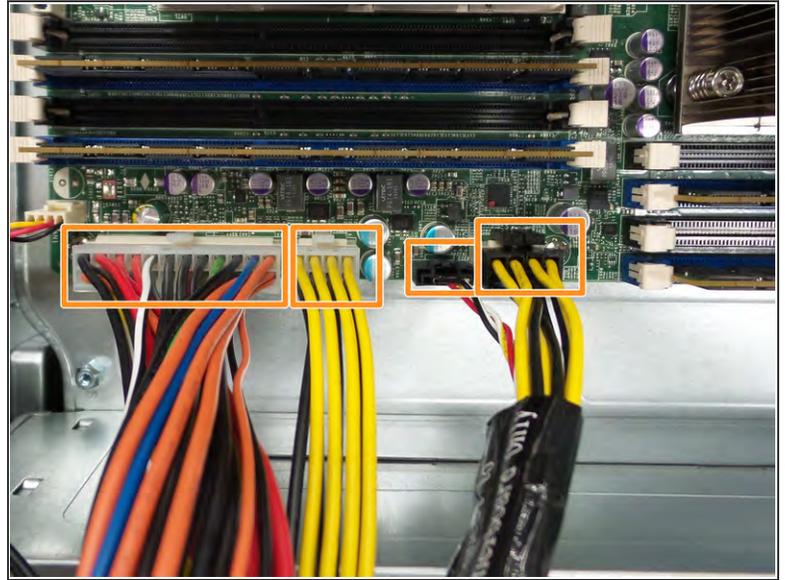
Written By: MBX Documentation



UNITRENDS

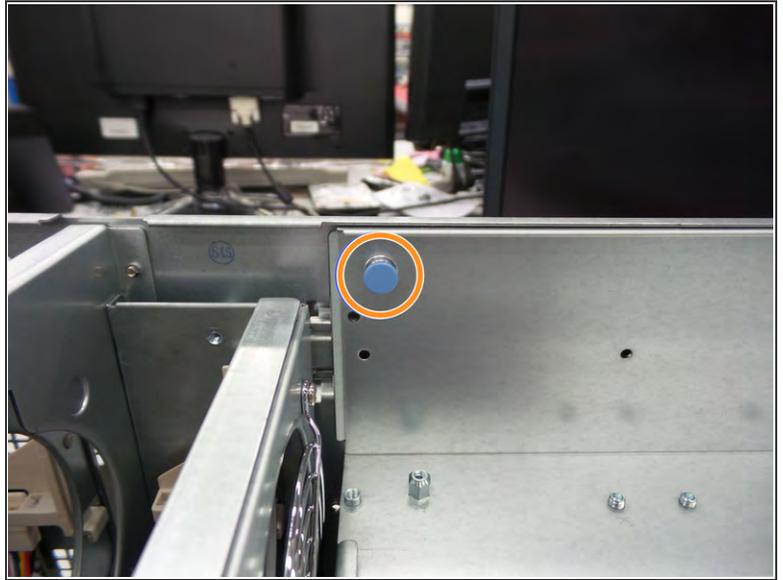
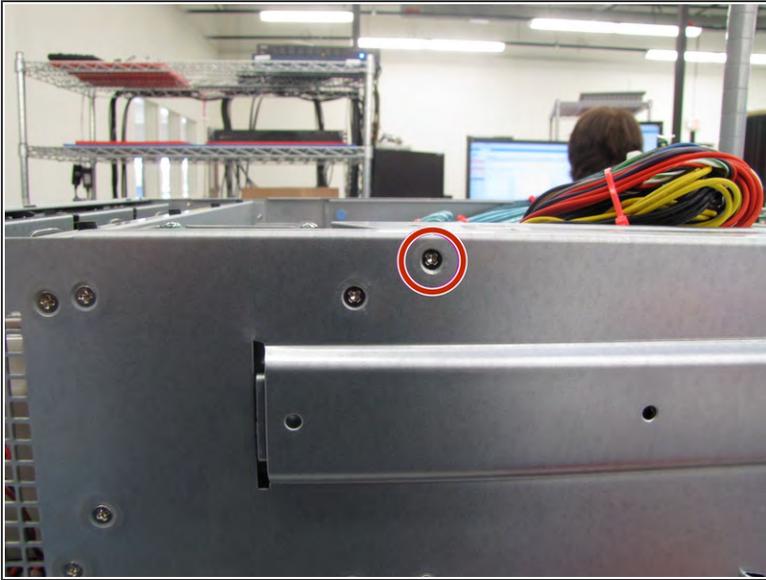
Play IT Safe

Step 1 — Internal Hard Drive Removal 1



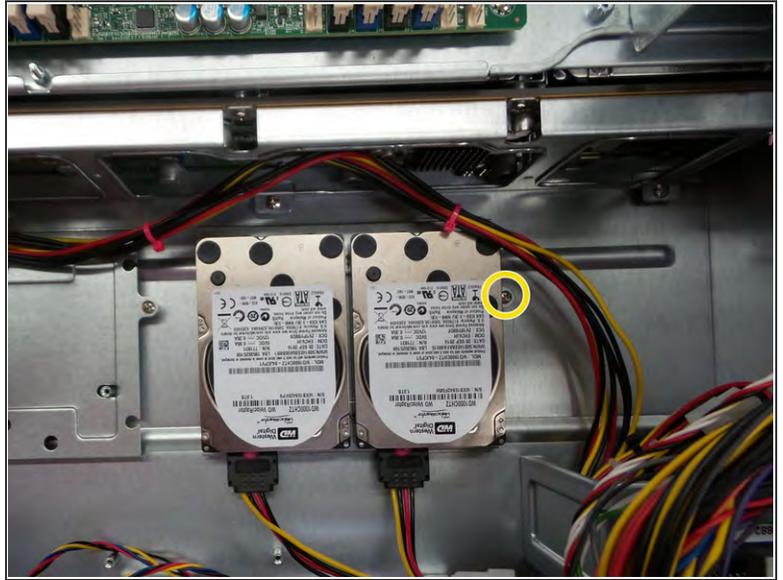
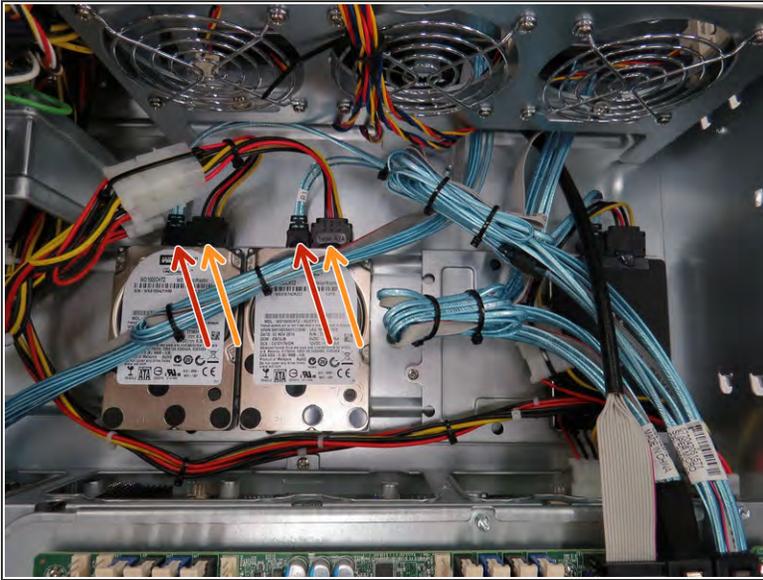
- Remove the two screws, (one on each side), that secure the lid to the chassis.
- Push back towards the rear of the chassis and remove the lid.
- Temporarily unplug the two 8-pin P8, 24-pin ATX, and I2C power connectors from the motherboard.

Step 2 — Internal Hard Drive Removal 2



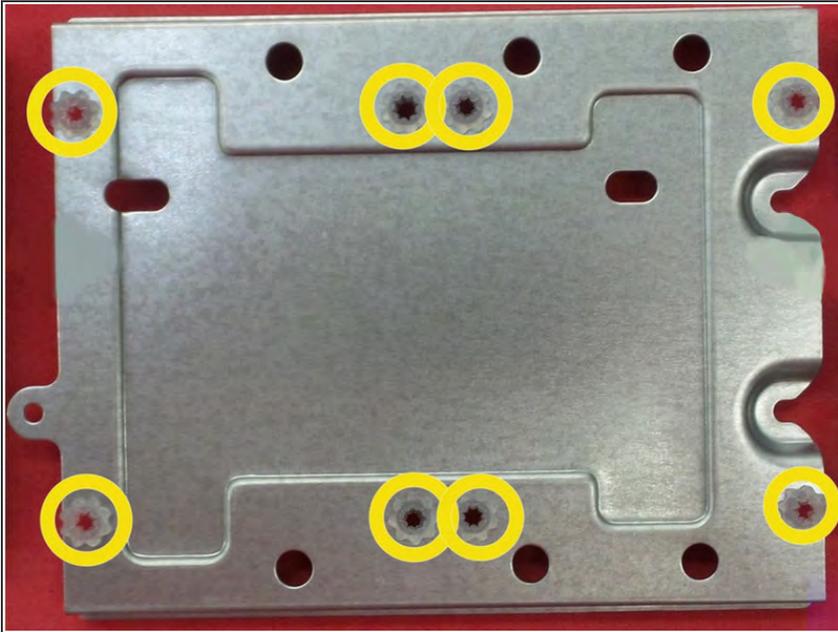
- Remove the one screw on the left side of the chassis (when facing the rear).
- Pull out the blue release tab on the inner right side of the chassis.

Step 3 — Internal Hard Drive Removal 3



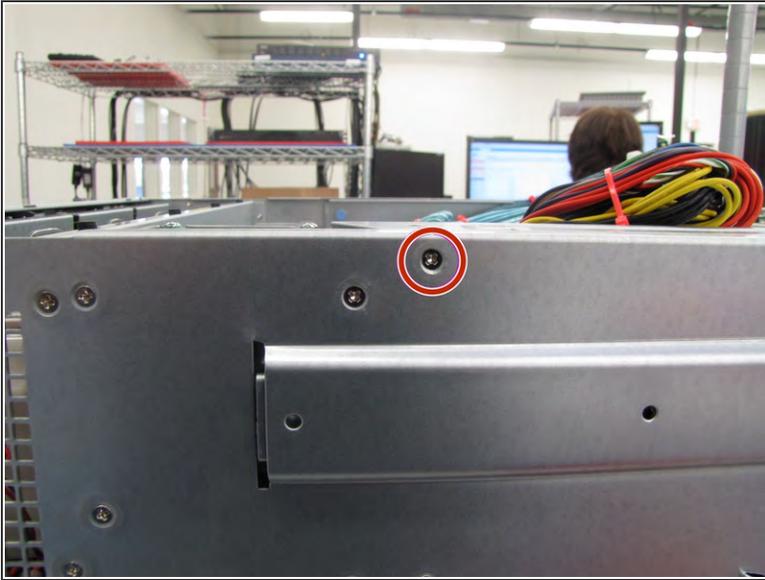
- Slide the motherboard tray back; the motherboard tray will protrude out the rear of the chassis.
- Carefully remove the hot glue that secures the **P1 or P2 SATA data** connection and then unplug the connector from the hard drive.
- Carefully remove the hot glue that secures the **SATA power** connection and then unplug the connector from the hard drive.
- Remove the one screw that secures the hard drive bracket to the chassis.

Step 4 — Internal Hard Drive Removal 4



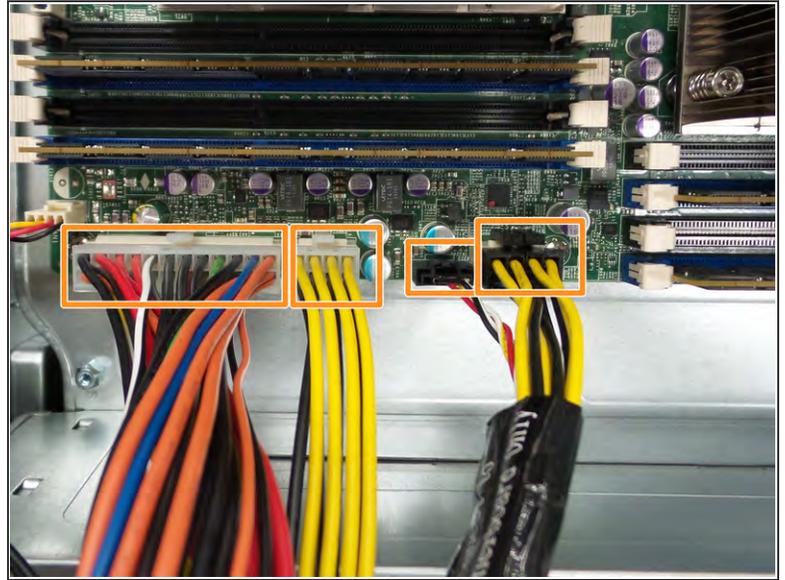
- Remove the four screws that secure the hard drive to the hard drive bracket.
- Remove the hard drive from the bracket.

Step 5 — Internal Hard Drive Installation



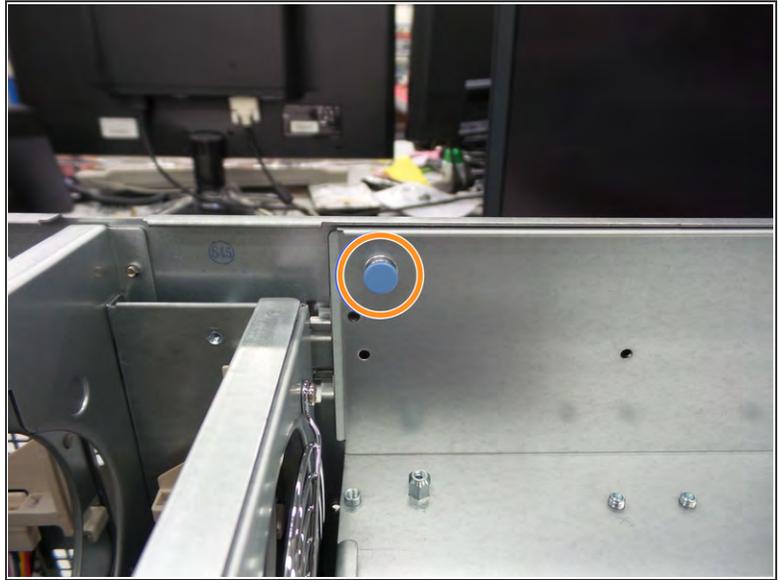
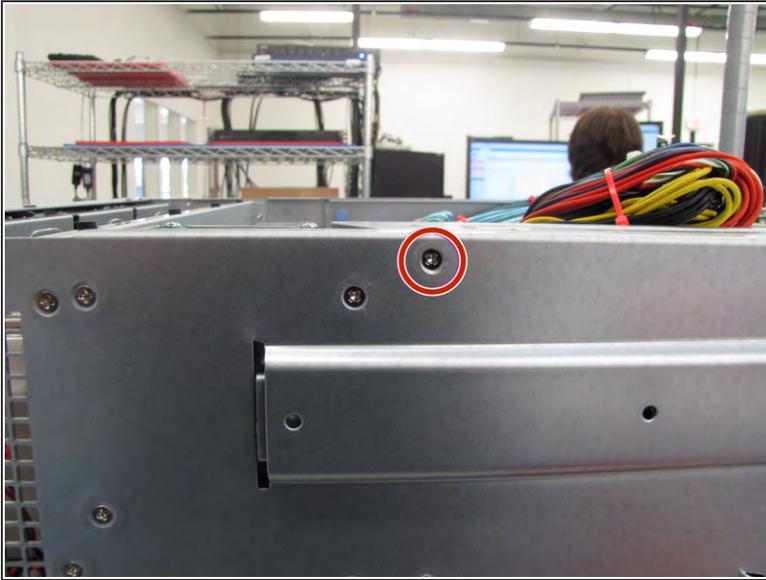
- Perform the Internal Hard Drive Removal steps in reverse order.
- Be sure to slide the motherboard tray back in place and secure it to the chassis using the one screw removed earlier.
- Be sure to re-install the airflow guide.
- Be sure to put the lid back onto the chassis and secure it to the chassis using the two screws removed earlier.

Step 6 — Solid-State Drive (SSD) Removal 1



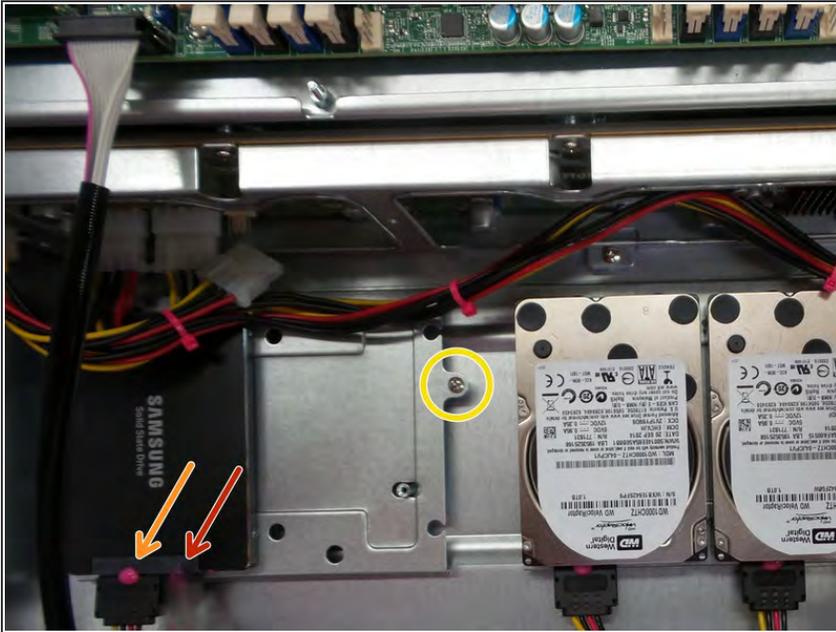
- Remove the two screws, (one on each side), that secure the lid to the chassis.
- Push back towards the rear of the chassis and remove the lid.
- Temporarily unplug the two 8-pin P8, 24-pin ATX, and I2C power connectors from the motherboard.

Step 7 — Solid-State Drive (SSD) Removal 2



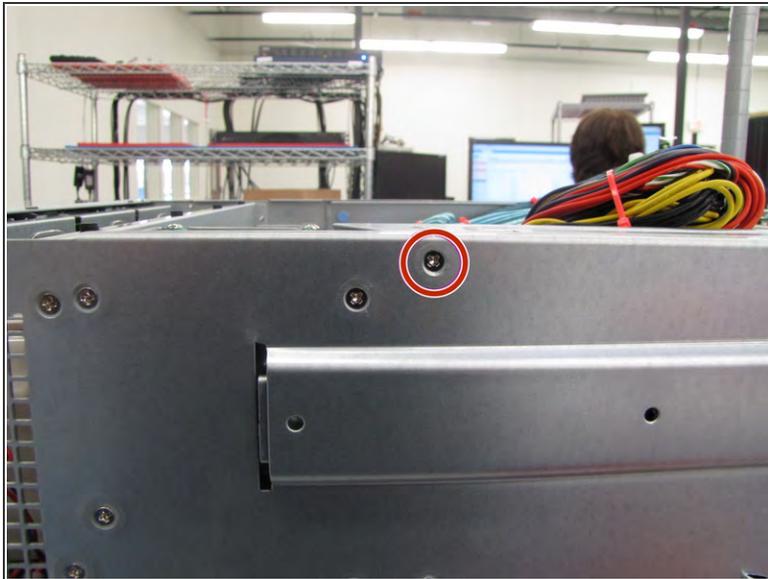
- Remove the one screw on the left side of the chassis (when facing the rear).
- Pull out the blue release tab on the inner right side of the chassis.

Step 8 — Solid-State Drive (SSD) Removal 3



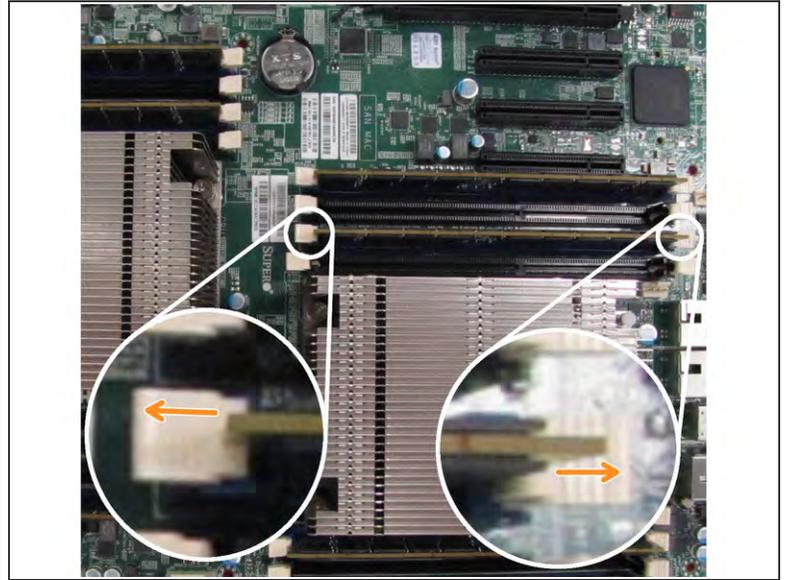
- Slide the motherboard tray back; the motherboard tray will protrude out the rear of the chassis.
- Carefully remove the hot glue that secures the **P0 SATA data** connection and then unplug the connector from the SSD.
- Carefully remove the hot glue that secures the **SATA power** connection and then unplug the connector from the SSD.
- Remove the one screw that secures the SSD bracket to the chassis.
- Remove the four screws that secure the SSD to the SSD bracket.
- Carefully remove the SSD from the chassis.

Step 9 — Solid-State Drive (SSD) Installation



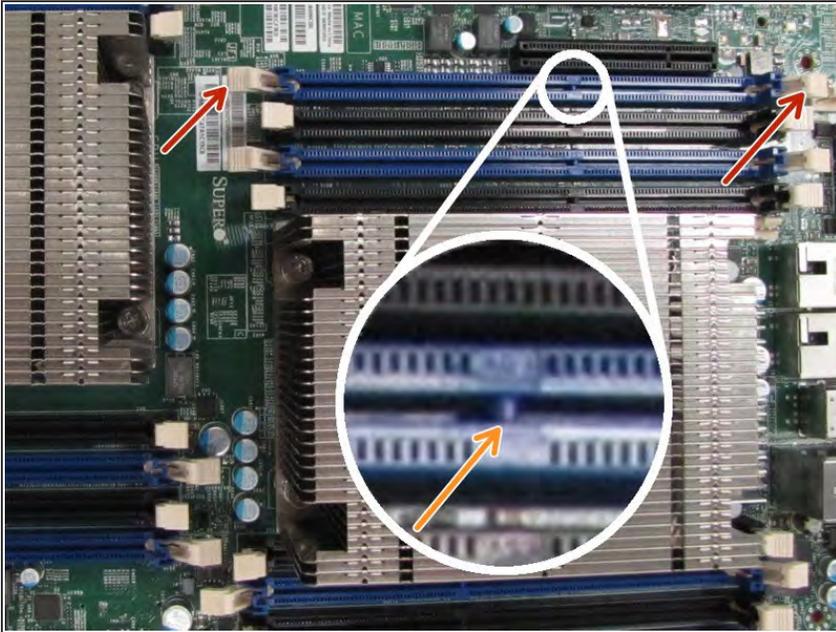
- Perform the Internal Solid-State Drive (SSD) Removal steps in reverse order.
- Be sure to slide the motherboard tray back in place and secure it to the chassis using the one screw removed earlier.
- Be sure to re-install the airflow guide.
- Be sure to put the lid back onto the chassis and secure it to the chassis using the two screws removed earlier.

Step 10 — Memory Removal



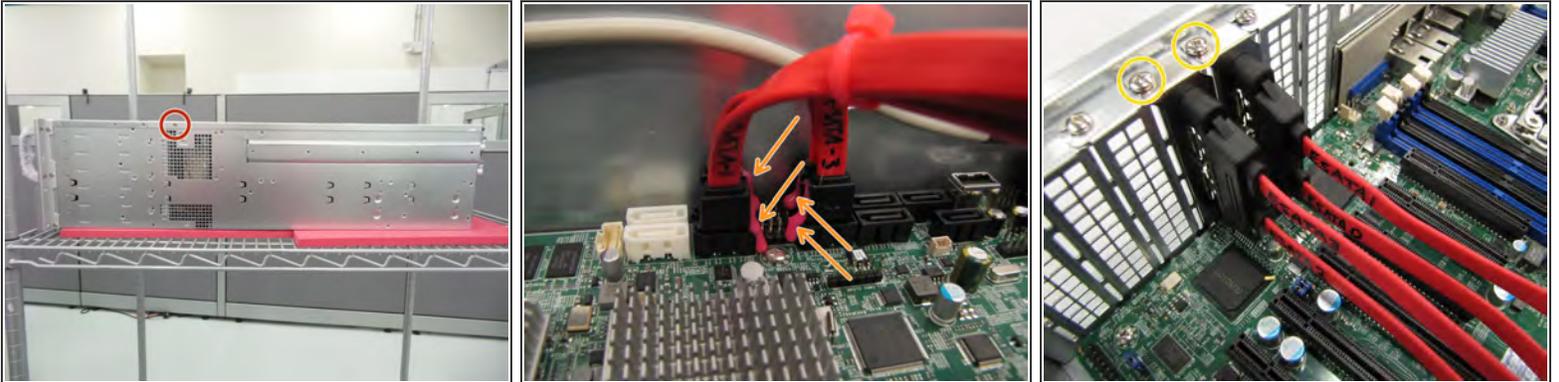
- Remove the two screws, (one on each side), that secure the lid to the chassis.
- Push back towards the rear of the chassis and remove the lid.
- Temporarily remove the airflow guide.
- Push down on the release tabs on the memory slot; this will unlock the memory module from the memory slot.
- Carefully pull the memory module straight out of the memory slot and remove it from the motherboard.

Step 11 — Memory Installation



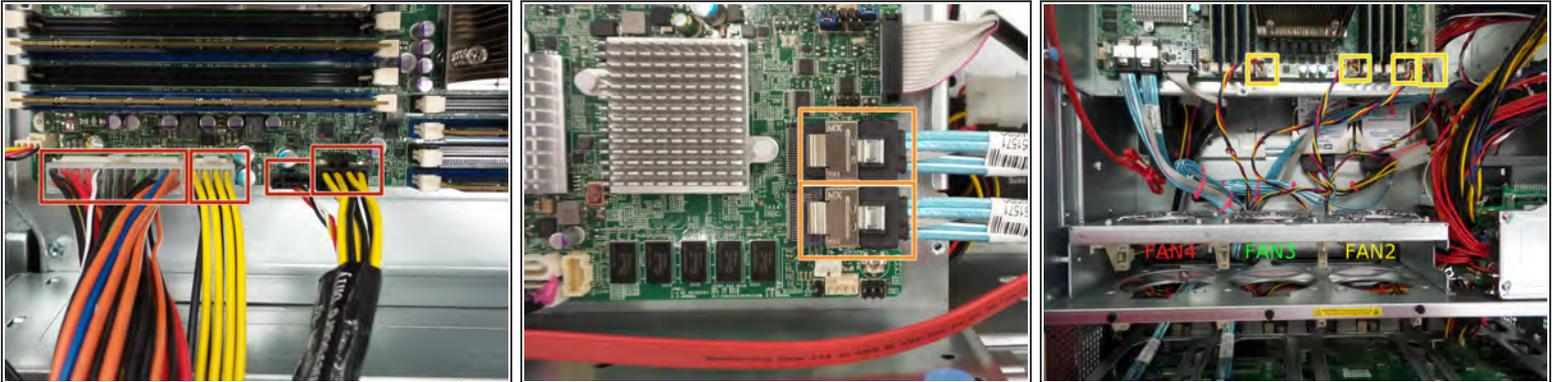
- Ensure the release tabs on the memory slot are in the unlocked position.
- Line up the notch on the memory slot with the cut-out on the new memory module.
- Push straight down on the memory module; the release tabs will lock into place and clip into the sides of the memory module.
- Be sure to re-install the airflow guide.
- Be sure to put the lid back onto the chassis and secure it to the chassis using the two screws removed earlier.

Step 12 — Motherboard Removal 1



- Remove the two screws, (one on each side), that secure the lid to the chassis.
- Push back towards the rear of the chassis and remove the lid.
- Temporarily remove the airflow guide.
- Carefully remove the hot glue that secures the eSATA data connections and then unplug the eSATA cables from the motherboard.
- Remove the eSATA brackets from the chassis by removing two screws.

Step 13 — Motherboard Removal 2



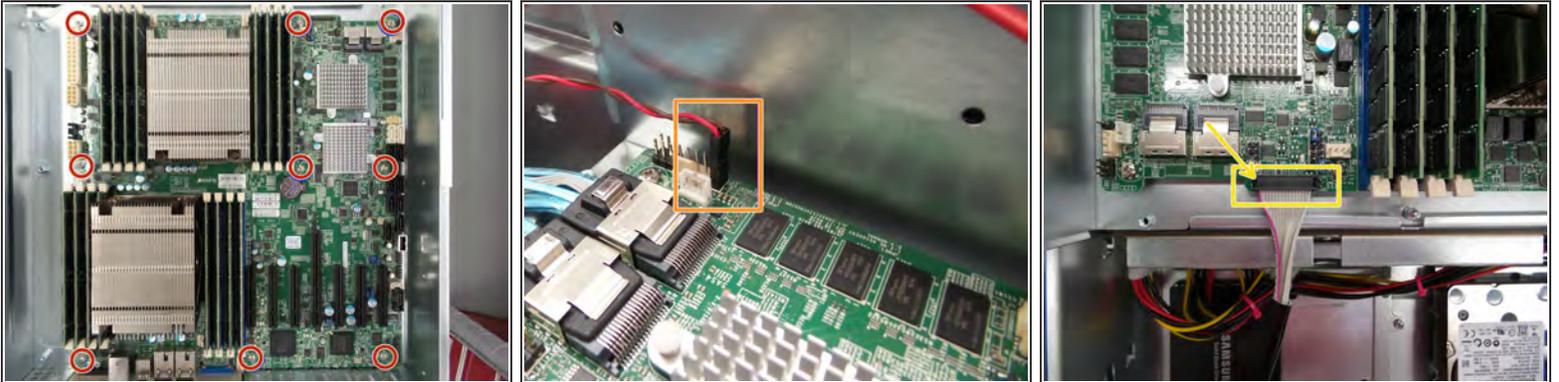
- Unplug the two 8-pin P8, one 24-pin ATX, and one I2C power connectors from the motherboard.
- Unplug the two SAS cables from the motherboard.
- Unplug the four fan cables from the motherboard.

Step 14 — Motherboard Removal 3



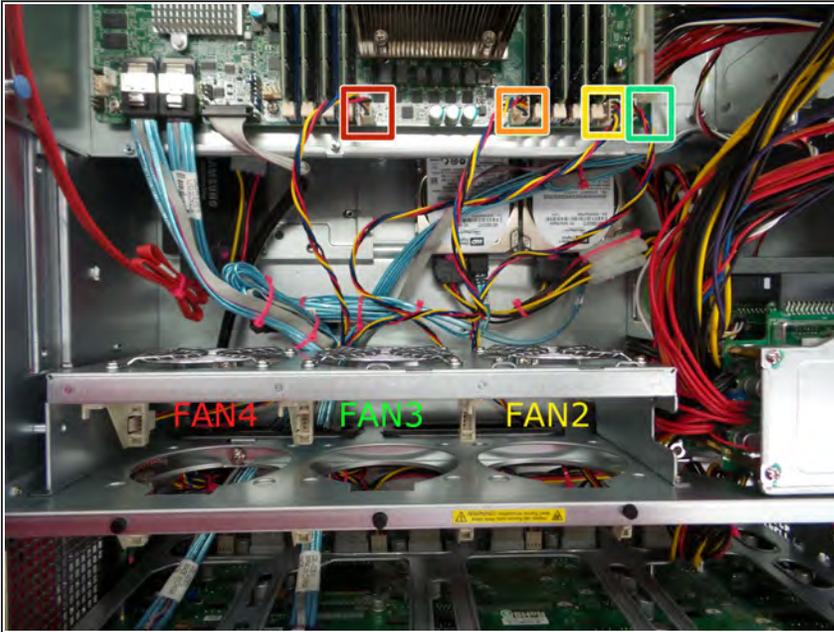
- Unplug the front panel cables from the motherboard.
- Unplug the intrusion switch cable from the motherboard.
- Remove the nine screws that secure the motherboard to the chassis.
- Carefully remove the motherboard from the chassis.

Step 15 — Motherboard Installation 1



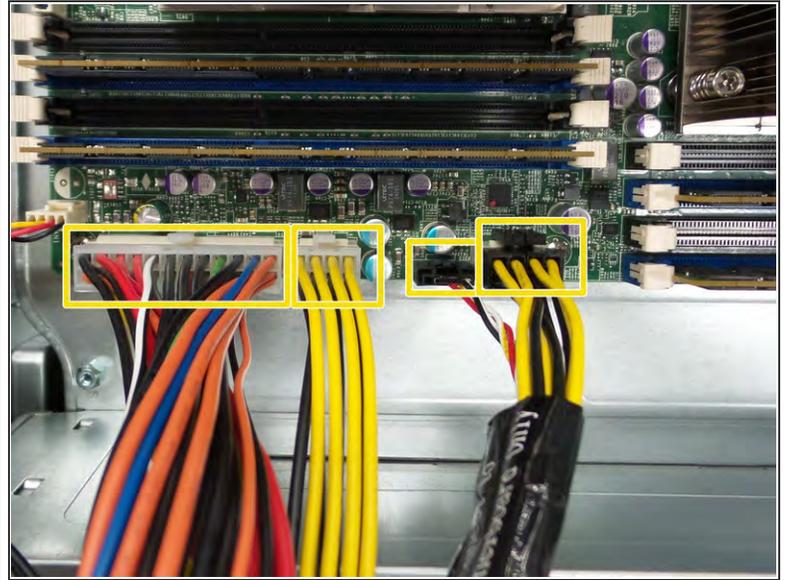
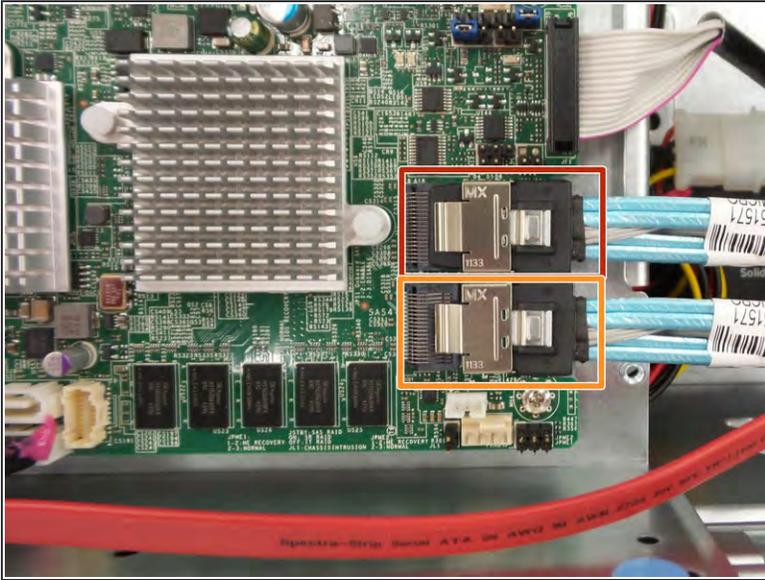
- Install the **Motherboard** into the chassis and secure it in place using the nine screws that were previously removed.
- Connect the **intrusion switch cable** to the **JL1** pins.
- Connect the front panel cable to the motherboard making note of the orientation of pin-1.

Step 16 — Motherboard Installation 2



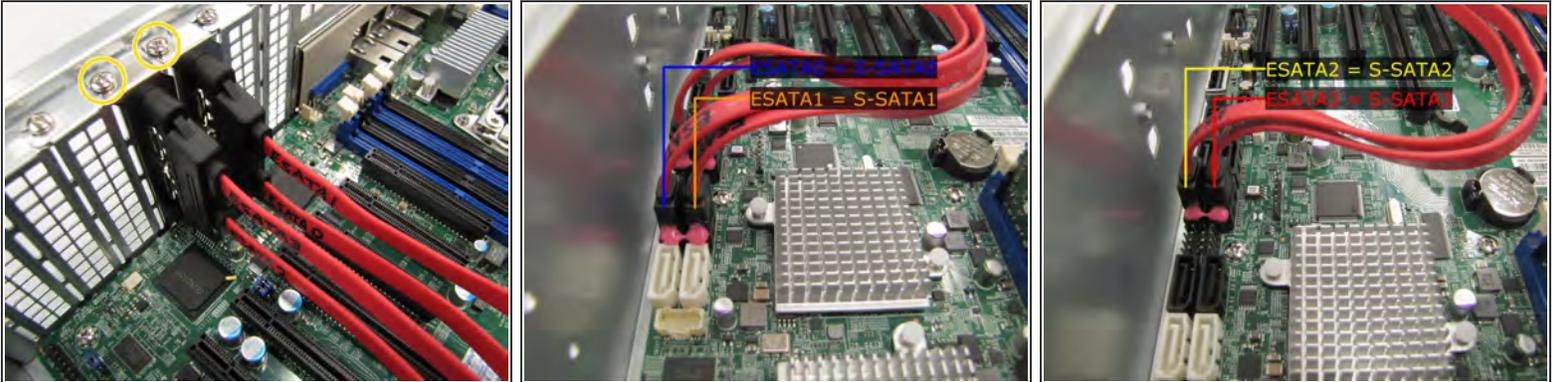
- **Connect the:**
 - **Left-most fan** (left when facing the rear of the chassis) to the **<FAN4> header**.
 - **Left-center fan** to the **<FAN3> header**.
 - **Right-center fan** to the **<FAN2> header**.
 - **Right-most fan** to the **<FAN1> header**.

Step 17 — Motherboard Installation 3



- Connect the **<SAS0-3> cable** to the **<SAS0-3> port** on the motherboard.
- Connect the **<SAS4-7> cable** to the **<SAS4-7> port** on the motherboard.
- Connect the 20-pin ATX, 8-pin P8 (2 of them), and I2C power cables to the motherboard.

Step 18 — Motherboard Installation 4



- Install the eSATA brackets in the chassis securing them in place using the two previously removed screws.
- **Connect the:**
 - **<ESATA0> SATA cable** to the **<I-SATA0> port** on the motherboard.
 - **<ESATA1> SATA cable** to the **<I-SATA1> port** on the motherboard.
 - **<ESATA2> SATA cable** to the **<I-SATA2> port** on the motherboard.
 - **<ESATA3> SATA cable** to the **<I-SATA3> port** on the motherboard.

Step 19 — Motherboard Installation 5



- Re-install the airflow guide.
- Put the lid back onto the chassis and secure it in place using the two screws previously removed (one on each side).

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