

*IBM Power System LC921 (9006-12P)  
Quick Install Guide*



This 2023-10-19 edition applies to IBM® Power Systems servers that contain the POWER9™ processor and to all associated models.

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# IBM Power<sup>®</sup> System LC921 (9006-12P) Quick Install Guide

The IBM Knowledge Center is available online from: [http://www.ibm.com/support/knowledgecenter/POWER9/p9hdx/9006\\_12p\\_landing.htm](http://www.ibm.com/support/knowledgecenter/POWER9/p9hdx/9006_12p_landing.htm).

- Read all precautions and instructions before you start working on key parts.
- Use normal electrostatic discharge (ESD) procedures when working on the system and parts. IBM recommends wearing gloves and an anti-static wrist strap to avoid possible damage to the equipment.



# 9006-12P parts

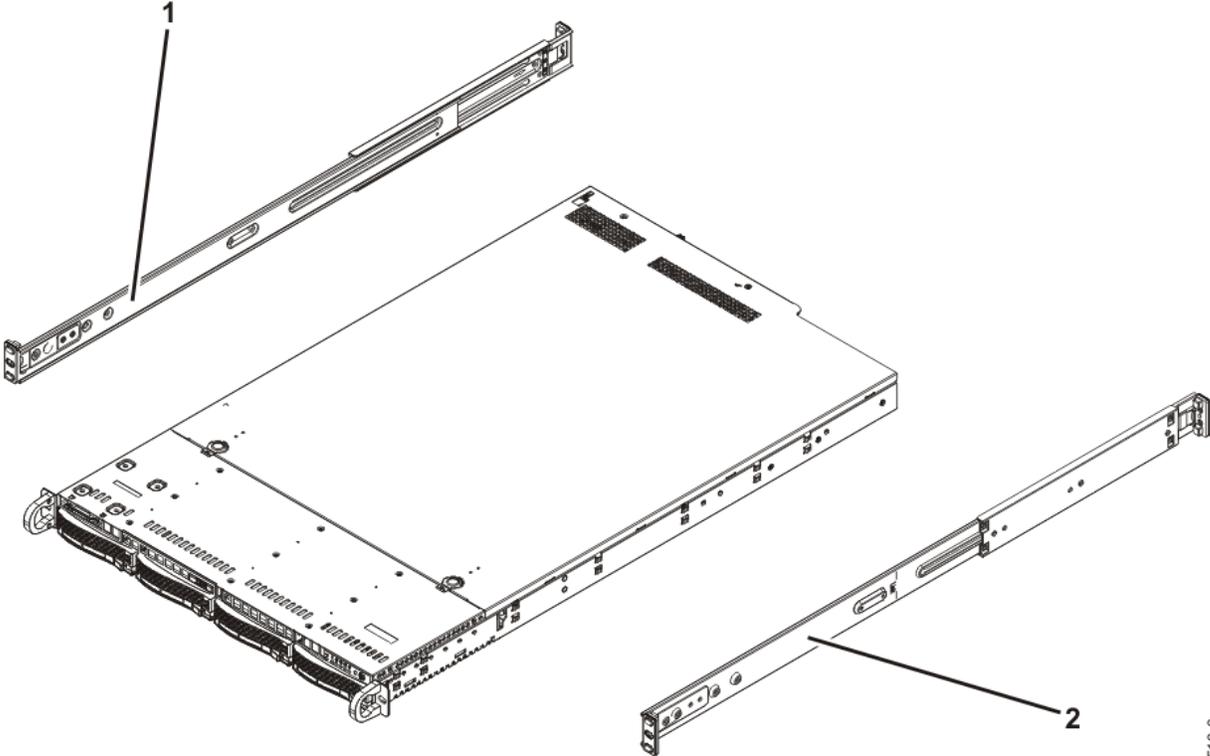


Figure 1. Rack final assembly

P9EIQ510-0

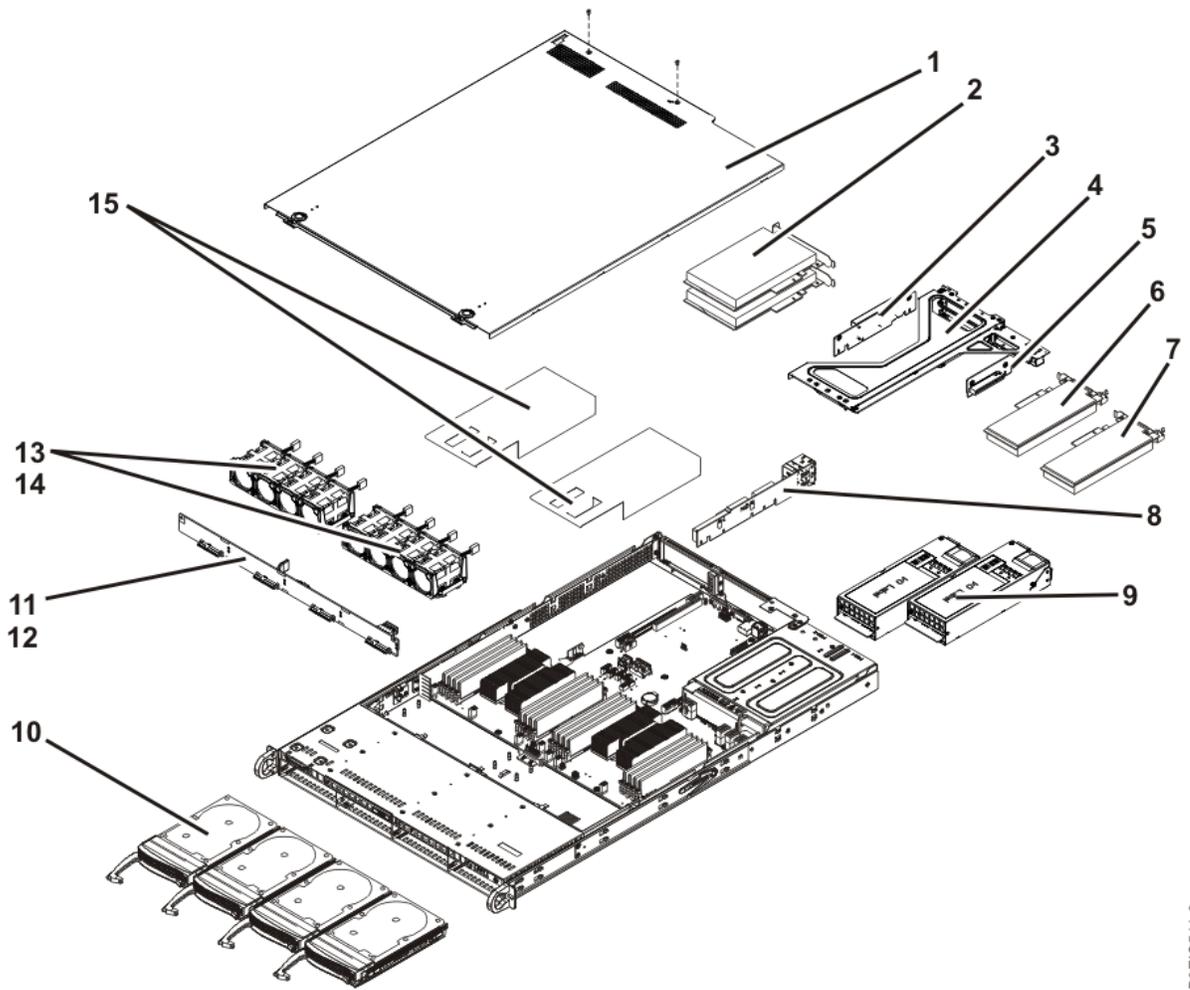


Figure 2. System parts

P9EIQ511-3

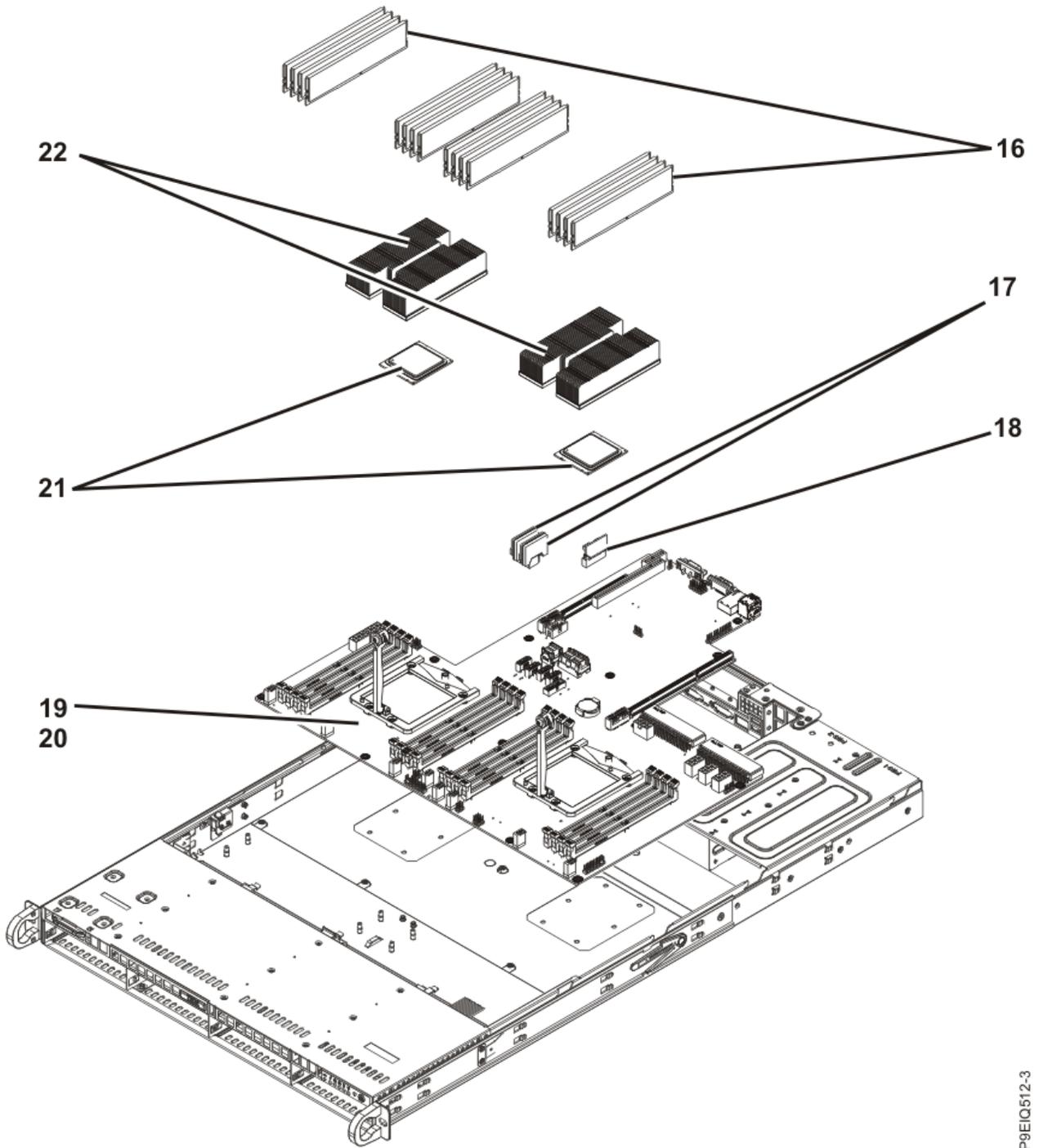


Figure 3. Additional system parts

P9EIQ512-3



# Rear ports

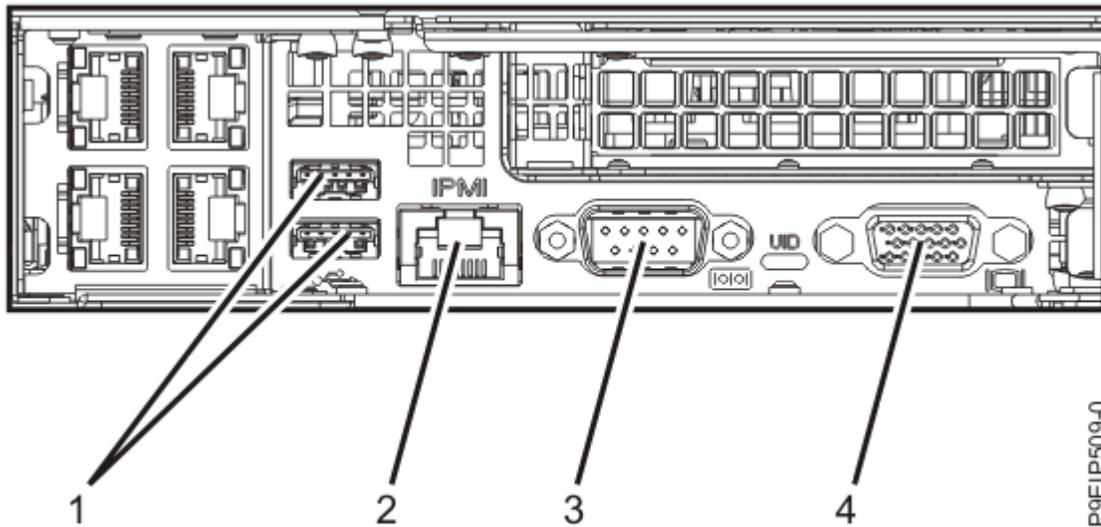


Figure 4. Rear ports

Identifier	Description
1	USB 2.0 used for keyboard and mouse. Certain USB drives might be too wide to fit properly into the USB ports on the rear of the system. Test the fit of your USB drive before proceeding.
2	Ethernet Intelligent Platform Management Interface (IPMI)
3	Serial IPMI
4	Video Graphics Array (VGA) used for monitor. Only the 1024 x 768 at 60 Hz VGA setting is supported. Only up to a 3-meter cable is supported. Only text-based capability is supported.



# Installing and Removing

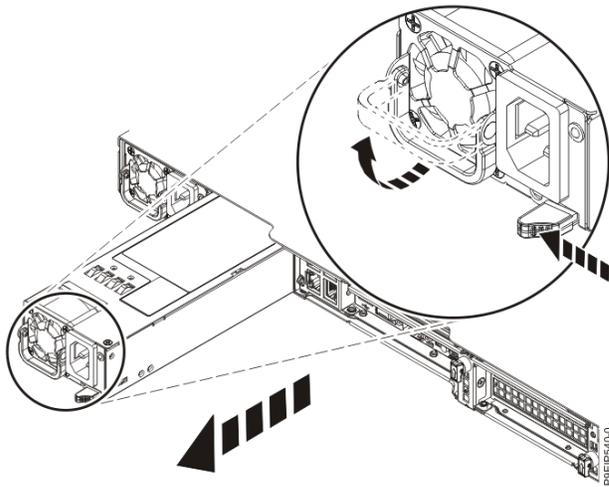


Figure 5. Removing a power supply from the system

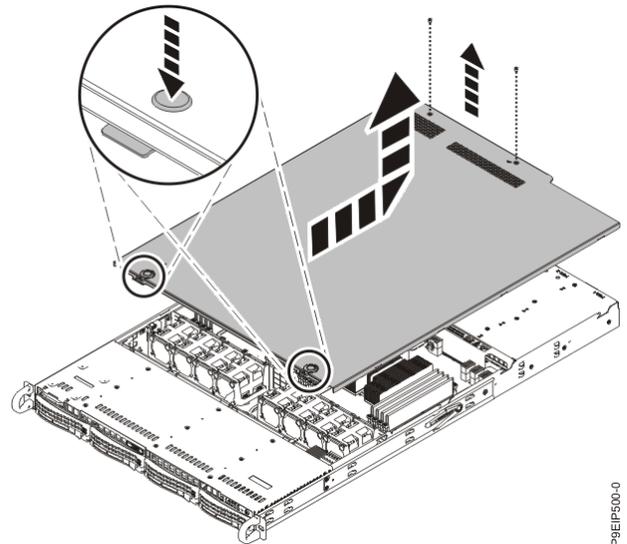


Figure 6. Releasing and opening the cover

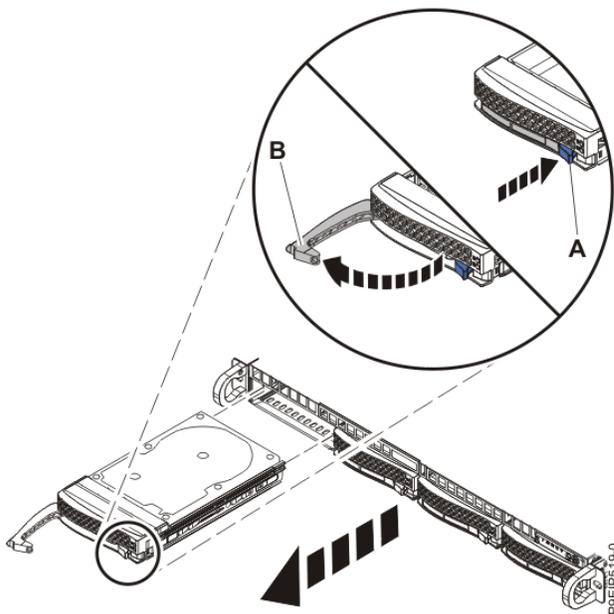


Figure 7. Removing a front drive

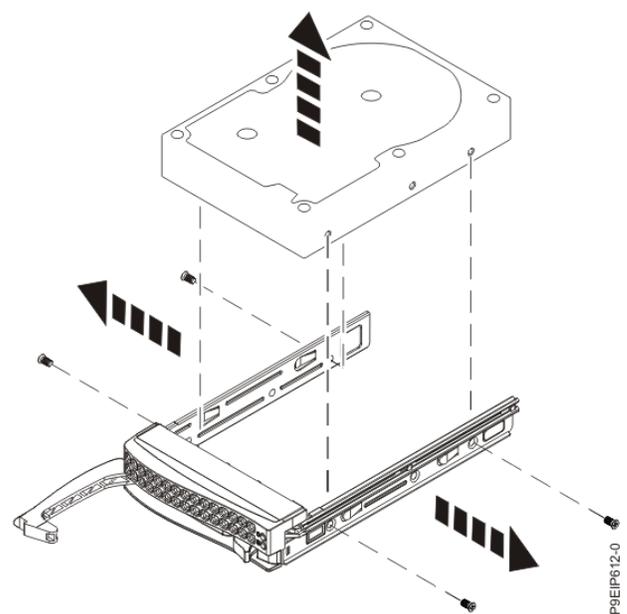


Figure 8. Removing the 3.5-inch drive from the tray

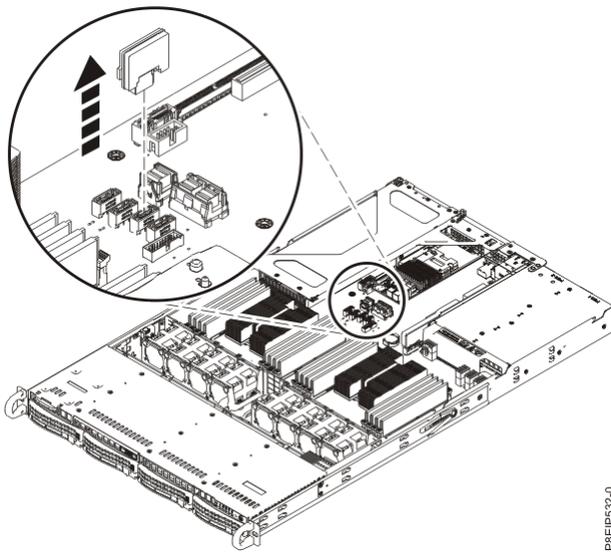


Figure 9. Removing a DOM

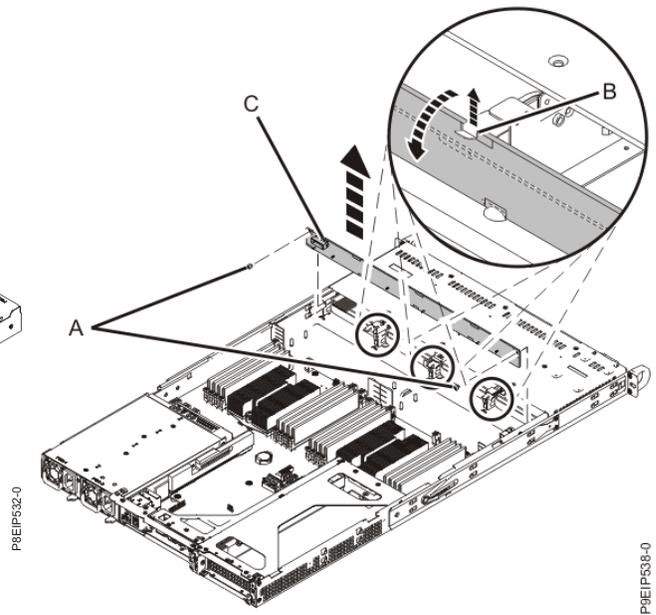


Figure 10. Removing the disk drive backplane and screws

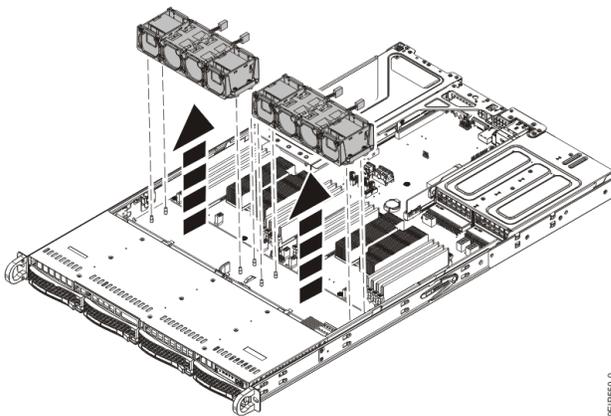


Figure 11. Removing the fan holder

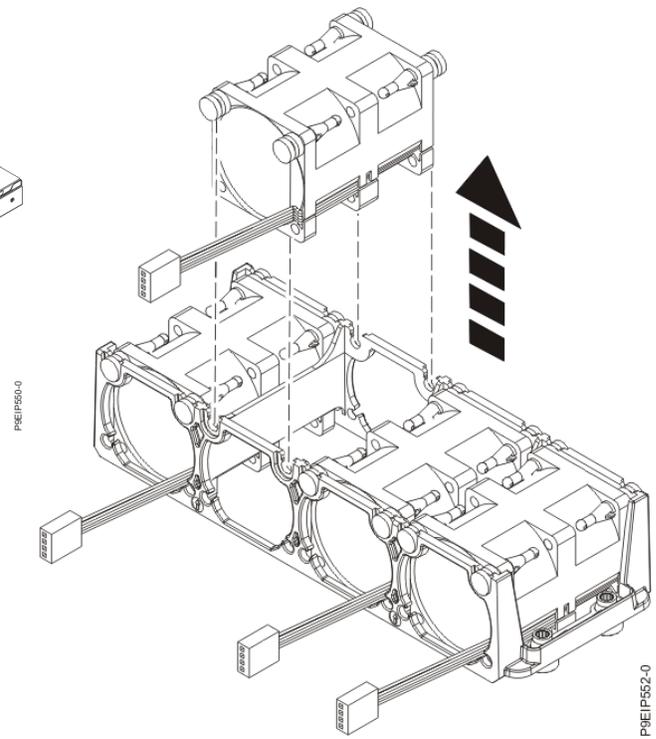


Figure 12. Removing a fan

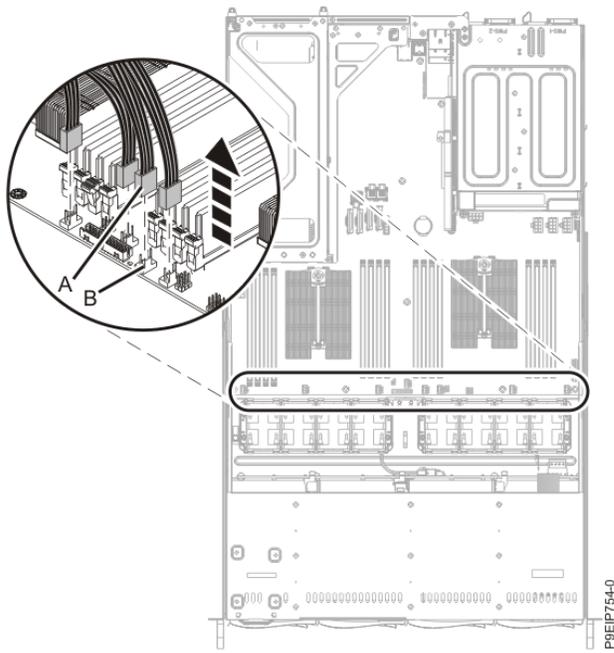


Figure 13. Disconnecting the fan cable

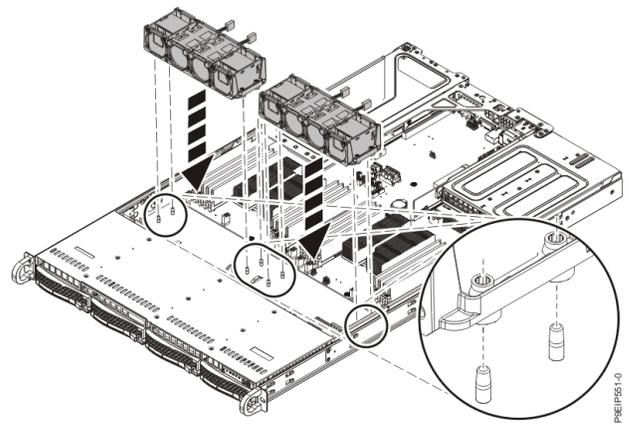


Figure 14. Aligning the fan holder

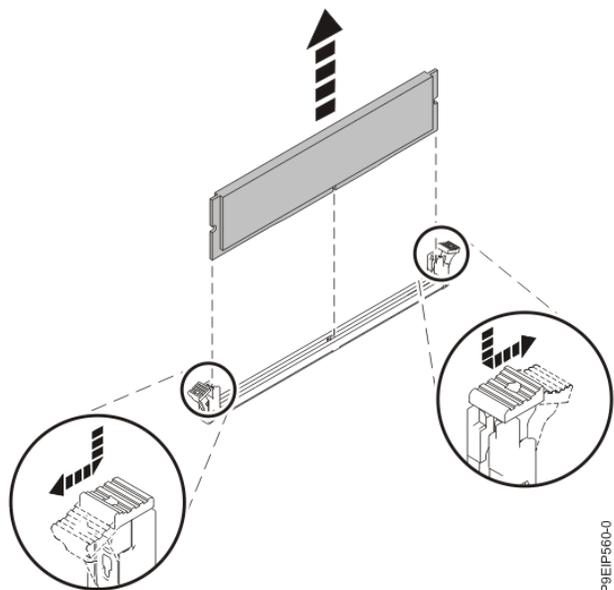


Figure 15. Removing the memory DIMM

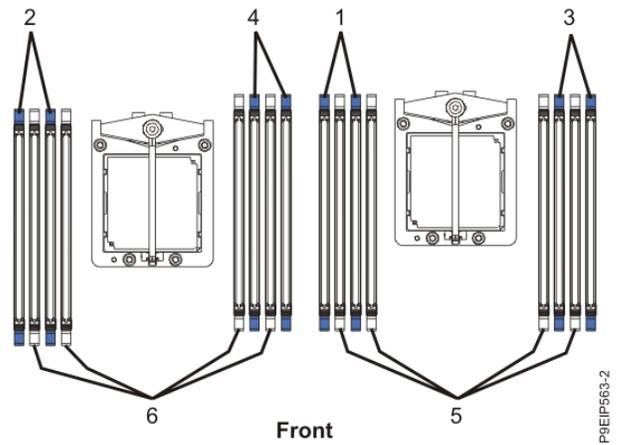


Figure 16. Two-processor memory plugging sequence

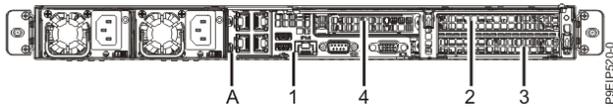


Figure 17. 9006-12P PCIe adapter positions

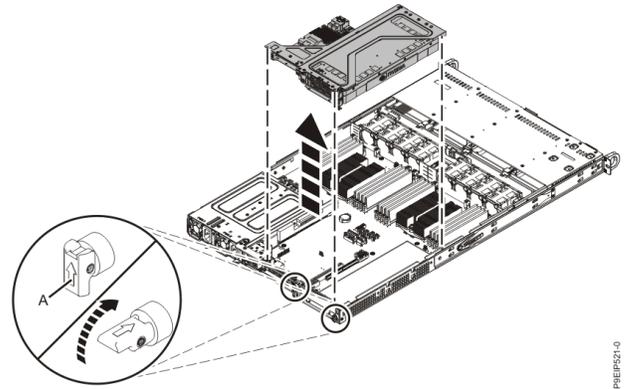


Figure 18. Removing the PCIe riser

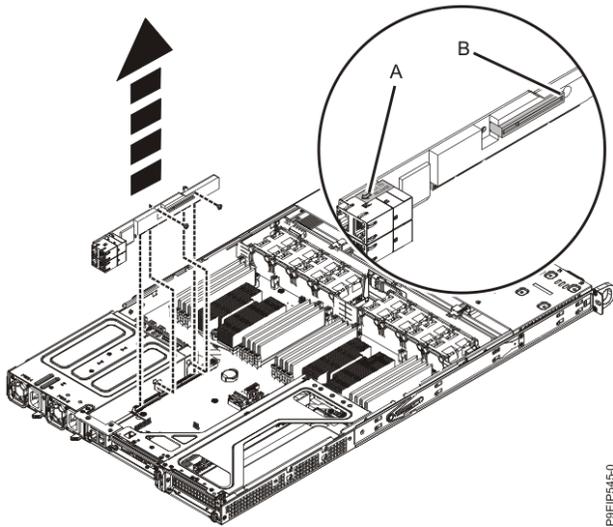


Figure 19. Removing the UIO Network screws

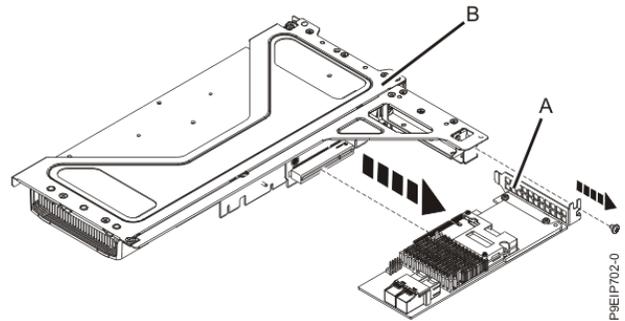


Figure 20. Removing a PCIe adapter from position 3 of the riser

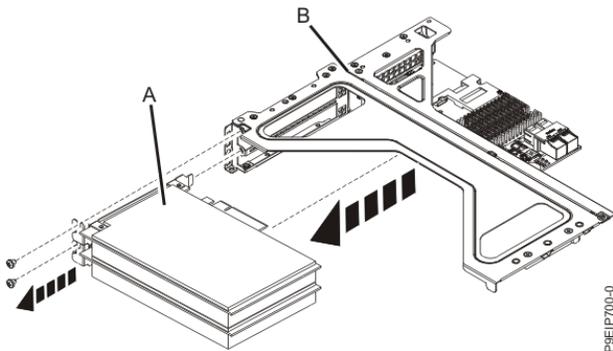


Figure 21. Removing a PCIe adapter from position 2 or 3 of the riser

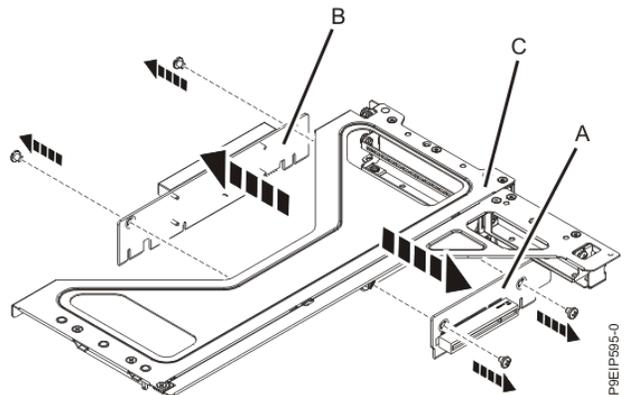


Figure 22. Removing the PCIe riser cards from the PCIe adapter cage

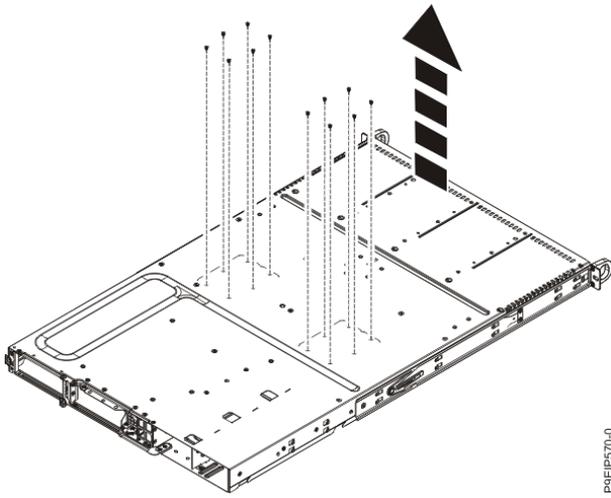


Figure 23. Removing the processor socket screws from the bottom of the chassis

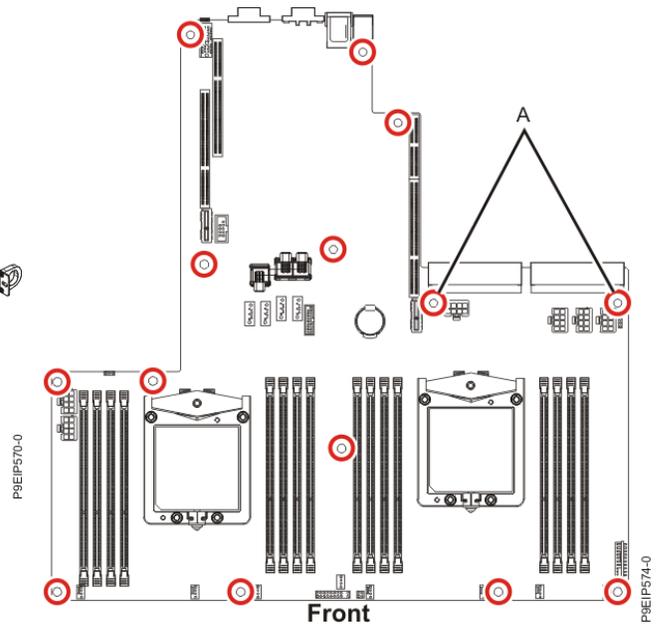


Figure 24. Screw locations

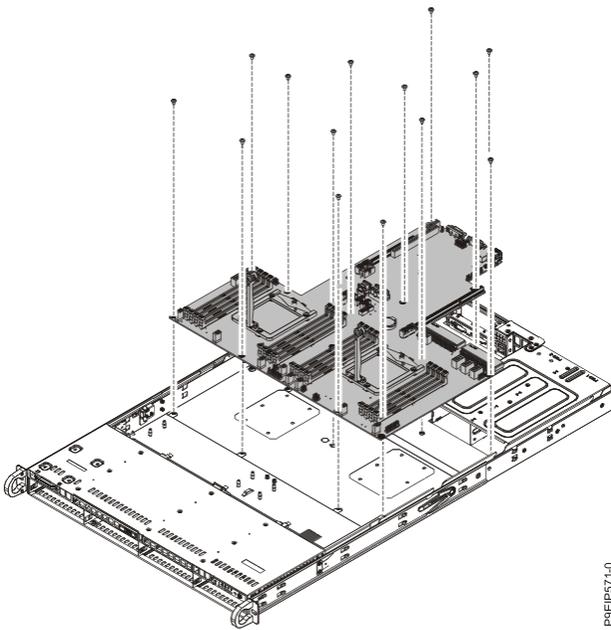


Figure 25. Lifting out the system backplane

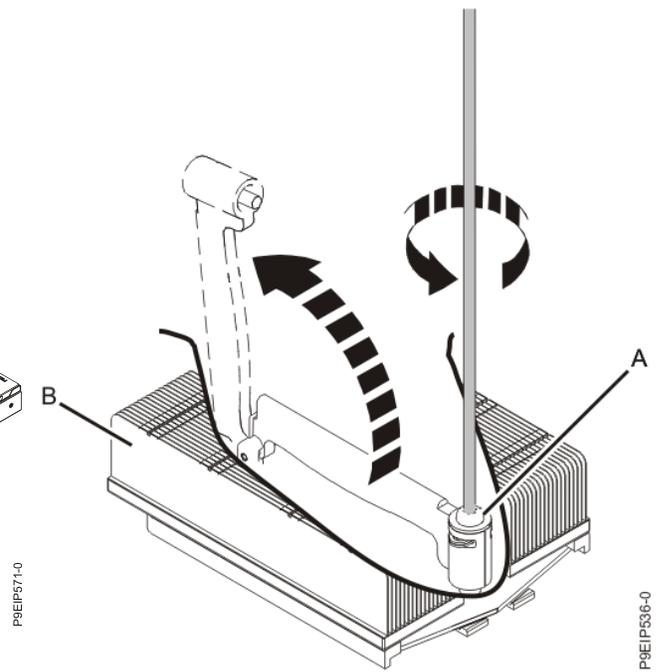


Figure 26. Loosening the load arm screw of the heat sink

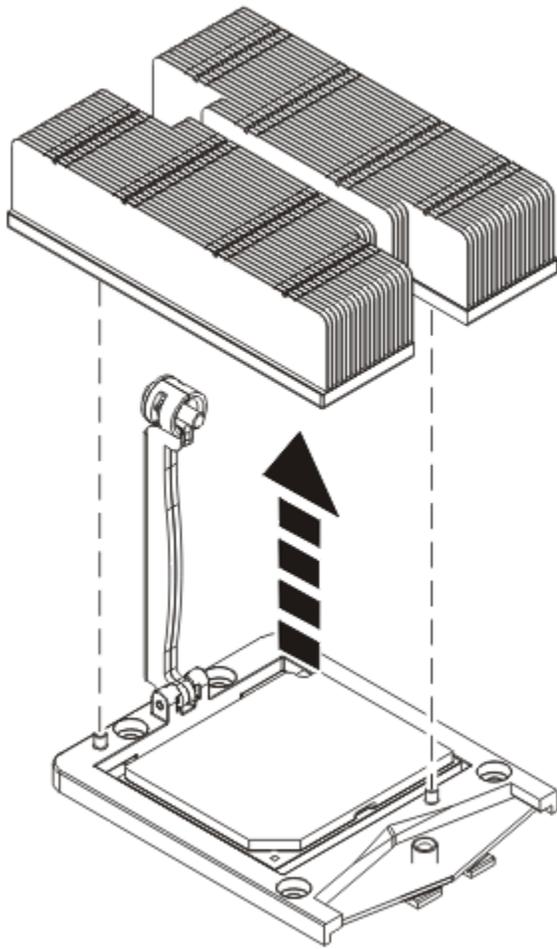


Figure 27. Removing the heat sink

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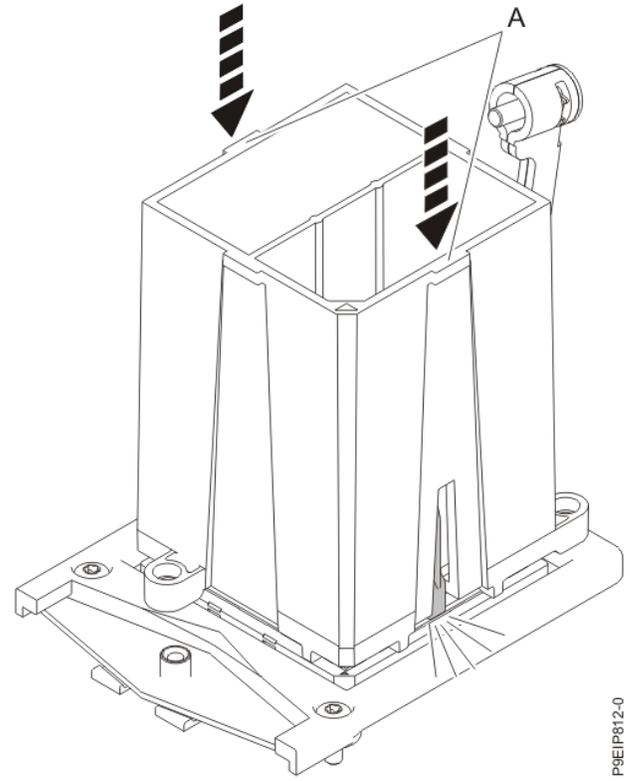


Figure 28. Locking the system processor module into the tool

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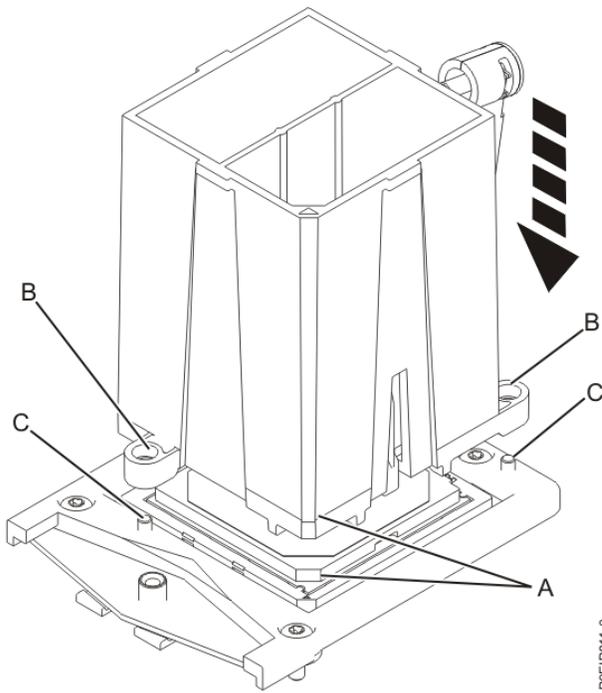


Figure 29. Installing the system processor module

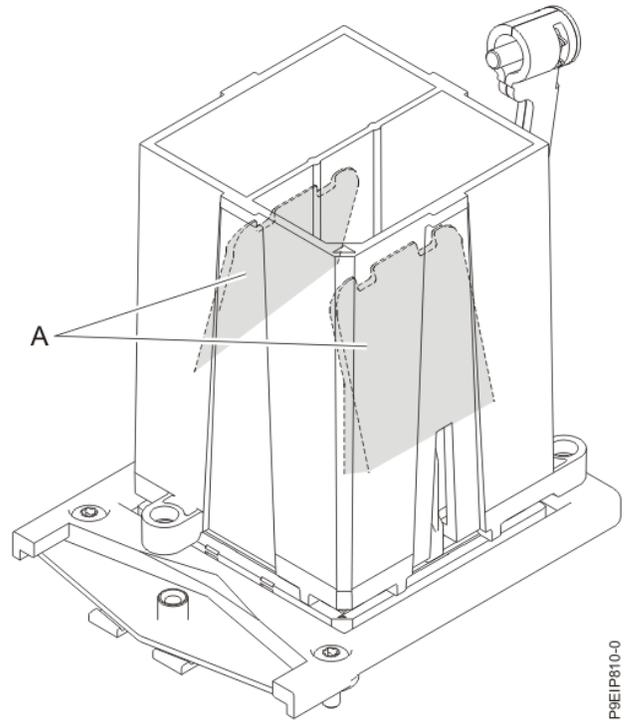


Figure 30. Removing the system processor module tool

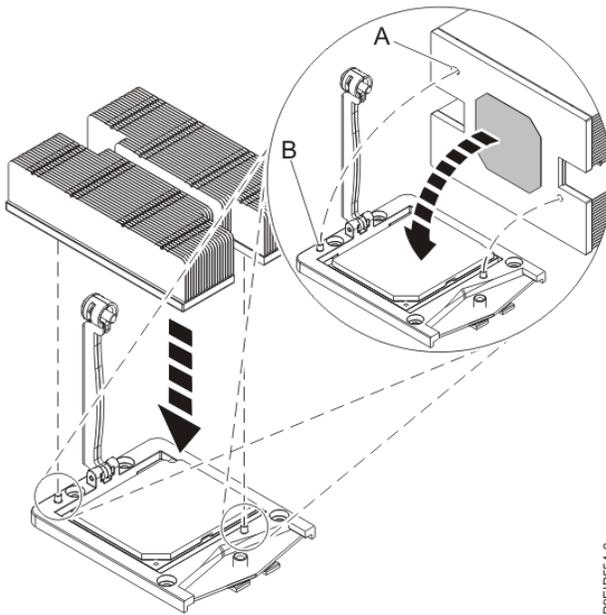


Figure 31. Installing the heat sink

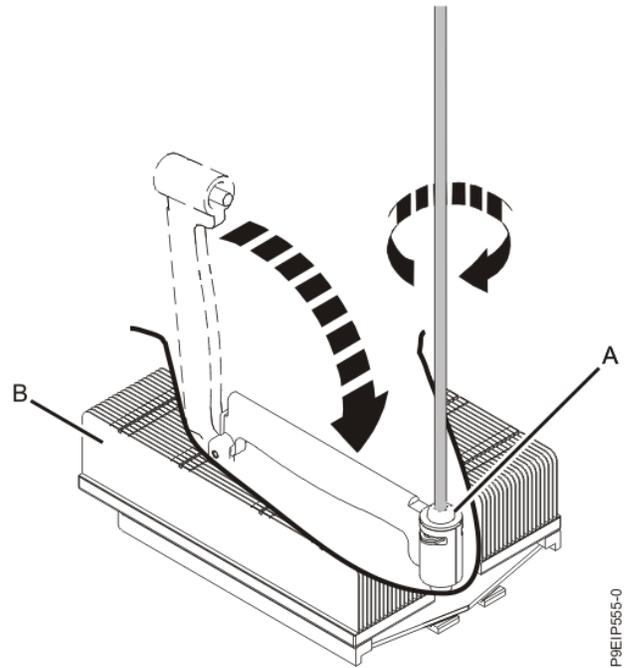


Figure 32. Tightening the load arm screw

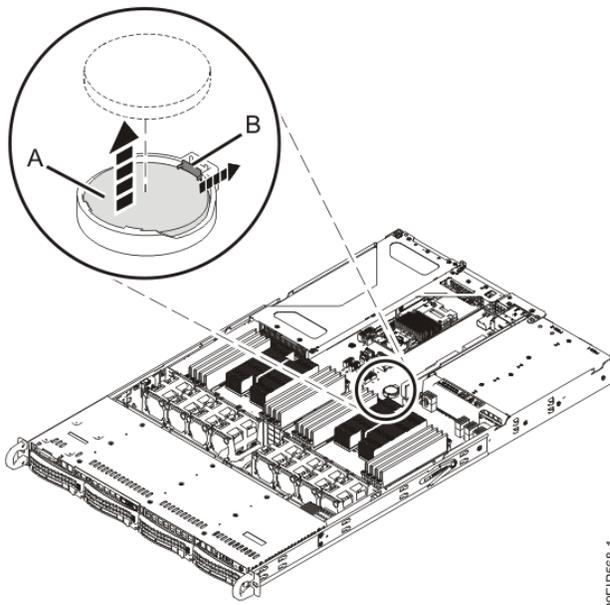


Figure 33. Removing the time-of-day battery

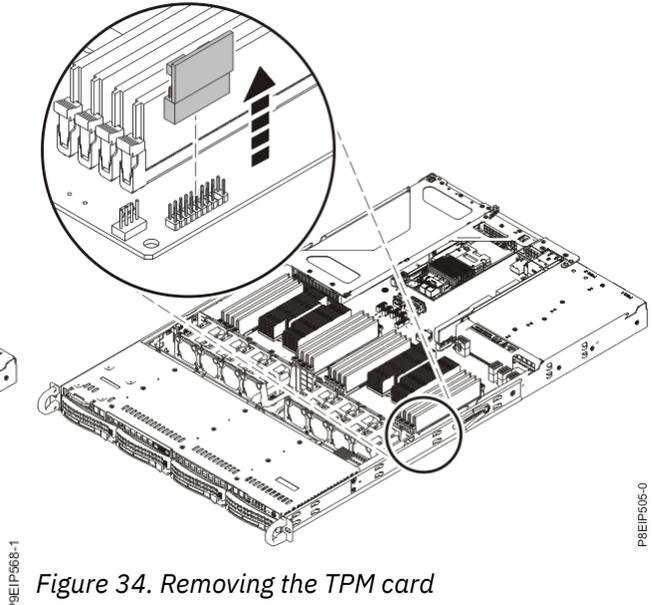


Figure 34. Removing the TPM card

P8EIP568-1

P8EIP565-0



