



Replacement procedures by component

Install and maintain

NetApp

February 06, 2026

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Table of Contents

- System component replacement reference for NetApp storage systems 1
 - Boot media replacement procedures by platform family 1
 - Caching module replacement procedures by platform family 3
 - Chassis replacement procedures by platform family 4
 - Controller replacement procedures by platform family. 6
 - DCPM power module replacement procedures by platform family 8
 - DIMM replacement procedures by platform family. 8
 - Drive replacement procedures by platform family 10
 - Fan replacement procedures by platform family 12
 - I/O module replacement procedures by platform family. 14
 - LED module replacement procedures by platform family 14
 - Mezzanine replacement procedures by platform family. 15
 - NVDIMM replacement procedures by platform family 15
 - NVMEM/NVRAM battery replacement procedures by platform family. 16
 - NVRAM module replacement procedures by platform family 18
 - NSM replacement procedures by shelf model 19
 - PCI cards and risers replacement procedures by platform family 19
 - Power supply replacement procedures by platform family. 20
 - RTC battery replacement procedures by platform family. 22
 - System management module replacement procedures by platform family 24

System component replacement reference for NetApp storage systems

Boot media replacement procedures by platform family

Find boot media replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step boot media replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A1K \(Automated recovery\)](#)
- [AFF A1K \(Manual recovery\)](#)
- [AFF A20/30/50 \(Automated recovery\)](#)
- [AFF A20/30/50 \(Manual recovery\)](#)
- [AFF A70/90 \(Automated recovery\)](#)
- [AFF A70/90 \(Manual recovery\)](#)
- [AFF A150](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250 \(Automated recovery\)](#)
- [AFF A250 \(Manual recovery\)](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400 \(Automated recovery\)](#)
- [AFF A400 \(Manual recovery\)](#)
- [AFF A700 \(Manual recovery\)](#)
- [AFF A700s \(Manual recovery\)](#)
- [AFF A800 \(Automated recovery\)](#)
- [AFF A800 \(Manual recovery\)](#)
- [AFF C190 \(Manual recovery\)](#)
- [AFF C250 \(Manual recovery\)](#)
- [AFF C30/60 \(Automated recovery\)](#)
- [AFF C30/60 \(Manual recovery\)](#)
- [AFF C80 \(Automated recovery\)](#)
- [AFF C80 \(Manual recovery\)](#)
- [AFF C400 \(Automated recovery\)](#)
- [AFF C400 \(Manual recovery\)](#)
- [AFF C800 \(Automated recovery\)](#)
- [AFF C800 \(Manual recovery\)](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A150 \(Manual recovery\)](#)
- [ASA A400 \(Automated recovery\)](#)
- [ASA A400 \(Manual recovery\)](#)

- [ASA A800 \(Automated recovery\)](#)
- [ASA A800 \(Manual recovery\)](#)
- [ASA A900](#)
- [ASA C250 \(Manual recovery\)](#)
- [ASA C400 \(Automated recovery\)](#)
- [ASA C400 \(Manual recovery\)](#)
- [ASA C800 \(Automated recovery\)](#)
- [ASA C800 \(Manual recovery\)](#)
- [ASA A1K \(Automated recovery\)](#)
- [ASA A20/30/50 \(Automated recovery\)](#)
- [ASA 70/90 \(Automated recovery\)](#)
- [ASA C30 \(Automated recovery\)](#)

FAS systems

- [FAS50 \(Automated recovery\)](#)
- [FAS50 \(Manual recovery\)](#)
- [FAS70/90 \(Automated recovery\)](#)
- [FAS70/90 \(Manual recovery\)](#)
- [FAS500f \(Manual recovery\)](#)
- [FAS2600 \(Manual recovery\)](#)
- [FAS2700 \(Manual recovery\)](#)
- [FAS2800 \(Automated recovery\)](#)
- [FAS2800 \(Manual recovery\)](#)
- [FAS8200 \(Manual recovery\)](#)
- [FAS8300 \(Automated recovery\)](#)
- [FAS8300 \(Manual recovery\)](#)
- [FAS9000 \(Manual recovery\)](#)
- [FAS9500 \(Automated recovery\)](#)
- [FAS9500 \(Manual recovery\)](#)

Shelf systems

- [NS224](#)
- [NX224](#)

Caching module replacement procedures by platform family

Find caching module replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step caching module replacement workflows for FAS systems to help you quickly locate the correct procedure

for your specific model.

- [FAS50](#)
- [FAS70/90](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)

Chassis replacement procedures by platform family

Find chassis replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step chassis replacement workflows for AFF and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A150](#)
- [AFF A20/30/50](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF 70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF A900](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C30/60](#)
- [AFF C400](#)
- [AFF C80](#)
- [AFF C800](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A150](#)
- [ASA A250](#)
- [ASA A800](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASA A20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)
- [FAS500f](#)
- [FAS2600](#)

- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)
- [FAS9500](#)

Controller replacement procedures by platform family

Find controller replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step controller replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A150](#)
- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF A900](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C30/60](#)
- [AFF C400](#)
- [AFF C80](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A150](#)
- [ASA A250](#)
- [ASA A400](#)
- [ASA A800](#)
- [ASA A900](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASA A1K](#)
- [ASA A20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)
- [FAS70/90](#)
- [FAS500f](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)
- [FAS9500](#)

DCPM power module replacement procedures by platform family

Find DCPM power module replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step DCPM power module replacement workflows for AFF and FAS systems to help you quickly locate the correct procedure for your specific model.

- [AFF A700](#)
- [FAS9000](#)

DIMM replacement procedures by platform family

Find DIMM replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step DIMM replacement workflows for AFF and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A150](#)
- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF A900](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C30/60](#)
- [AFF C400](#)
- [AFF C80](#)
- [AFF C800](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASAA150](#)
- [ASAA250](#)
- [ASAA800](#)
- [ASAA900](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASAA1K](#)
- [ASAA20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)
- [FAS70/90](#)
- [FAS500f](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)
- [FAS9500](#)

Shelf systems

- [NS224](#)
- [NX224](#)

Drive replacement procedures by platform family

Find drive replacement procedures for your NetApp storage system organized by platform or shelf family. This reference provides direct links to step-by-step drive replacement workflows for AFF, ASA, FAS, and shelf systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A20/30/50](#)
- [AFF A150](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A70/90](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF C30/60](#)
- [AFF C80](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C800](#)

ASA systems

- [ASAA150](#)
- [ASAA250](#)
- [ASAA800](#)
- [ASA C250](#)
- [ASA C800](#)
- [ASA A20/30/50](#)
- [ASA A70/90](#)
- [ASA C30](#)

FAS systems

- [FAS500f](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)

Shelf systems

- [NS224](#)
- [NX224](#)
- [DS212C, DS224C](#)
- [DS460C](#)
- [DS460C drawer](#)

Fan replacement procedures by platform family

Find fan replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step fan replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF C250](#)
- [AFF C30/60](#)
- [AFF C400](#)
- [AFF C80](#)
- [AFF C800](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASAA250](#)
- [ASAA400](#)
- [ASAA800](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASAA1K](#)
- [ASAA20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)
- [FAS70/90](#)
- [FAS500f](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)

Shelf systems

- [NS224](#)
- [NX224](#)
- [DS460C](#)

I/O module replacement procedures by platform family

Find I/O module replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step I/O module replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A70/90](#)
- [AFF C30/60](#)
- [AFF C80](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASAA1K](#)
- [ASAA20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)
- [FAS70/90](#)

Shelf systems

- [NS224](#)
- [NX224](#)
- [DS212C, DS224C, DS460C](#)

LED module replacement procedures by platform family

Find LED module replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step LED module replacement workflows for AFF and FAS systems to help you quickly locate the correct

procedure for your specific model.

- [AFF A700](#)
- [FAS9000](#)

Mezzanine replacement procedures by platform family

Find mezzanine replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step mezzanine replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A250](#)
- [AFF C250](#)

ASA systems

- [ASAA250](#)
- [ASA C250](#)

FAS systems

- [FAS500f](#)

NVDIMM replacement procedures by platform family

Find NVDIMM replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step NVDIMM replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A320](#)
- [AFF A400](#)
- [AFF A800](#)
- [AFF C400](#)
- [AFF C800](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A400](#)
- [ASA A800](#)
- [ASA C400](#)
- [ASA C800](#)

FAS systems

- [FAS8300](#)

NVMEM/NVRAM battery replacement procedures by platform family

Find NVMEM/NVRAM battery replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step NVMEM/NVRAM battery replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A150](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF A900](#)
- [AFF C30/60](#)
- [AFF C80](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C400](#)
- [AFF C800](#)

ASA systems

- [ASAA150](#)
- [ASAA250](#)
- [ASAA400](#)
- [ASAA800](#)
- [ASAA900](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASAA1K](#)
- [ASA A20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)

- [FAS70/90](#)
- [FAS500f](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)
- [FAS9500](#)

NVRAM module replacement procedures by platform family

Find NVRAM module replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step NVRAM module replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A1K](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A900](#)
- [AFF C80](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A900](#)
- [ASA A1K](#)
- [ASA 70/90](#)

FAS systems

- [FAS70/90](#)
- [FAS9000](#)
- [FAS9500](#)

NSM replacement procedures by shelf model

Find NVMe shelf module (NSM) replacement procedures for your NetApp storage shelf organized by shelf model. This reference provides direct links to step-by-step NSM replacement workflows for NS224 and NX224 shelves to help you quickly locate the correct procedure for your specific shelf model.

- [NS224](#)
- [NX224](#)

PCI cards and risers replacement procedures by platform family

Find PCI cards and risers replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step PCI cards and risers replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF C400](#)
- [AFF C800](#)

ASA systems

- [ASAA400](#)
- [ASAA800](#)
- [ASA C400](#)
- [ASA C800](#)

FAS systems

- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)

Power supply replacement procedures by platform family

Find power supply replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step power supply replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A150](#)
- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C30/60](#)
- [AFF C400](#)
- [AFF C80](#)
- [AFF C800](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A150](#)
- [ASA A250](#)
- [ASA A400](#)
- [ASA A800](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASA A1K](#)
- [ASA A20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)

- [FAS70/90](#)
- [FAS500f](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)

Shelf systems

- [NS224](#)
- [NX224](#)
- [DS212C, DS224C, DS460C](#)

RTC battery replacement procedures by platform family

Find RTC battery replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step RTC battery replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A150](#)
- [AFF A1K](#)
- [AFF A20/30/50](#)
- [AFF A200](#)
- [AFF A220](#)
- [AFF A250](#)
- [AFF A300](#)
- [AFF A320](#)
- [AFF A400](#)
- [AFF A70/90](#)
- [AFF A700](#)
- [AFF A700s](#)
- [AFF A800](#)
- [AFF C190](#)
- [AFF C250](#)
- [AFF C30/60](#)
- [AFF C400](#)
- [AFF C80](#)
- [AFF C800](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASA A150](#)
- [ASA A250](#)
- [ASA A400](#)
- [ASA A800](#)
- [ASA C250](#)
- [ASA C400](#)
- [ASA C800](#)
- [ASA A1K](#)
- [ASA A20/30/50](#)
- [ASA 70/90](#)
- [ASA C30](#)

FAS systems

- [FAS50](#)

- [FAS70/90](#)
- [FAS500f](#)
- [FAS2600](#)
- [FAS2700](#)
- [FAS2800](#)
- [FAS8200](#)
- [FAS8300](#)
- [FAS9000](#)
- [FAS9500](#)

Shelf systems

- [NS224](#)
- [NX224](#)

System management module replacement procedures by platform family

Find system management module replacement procedures for your NetApp storage system organized by platform family. This reference provides direct links to step-by-step system management module replacement workflows for AFF, ASA, and FAS systems to help you quickly locate the correct procedure for your specific model.

AFF systems

- [AFF A1K](#)
- [AFF A70/90](#)
- [AFF C80](#)

AFX systems

- [AFX A1K](#)

ASA systems

- [ASAA1K](#)
- [ASA 70/90](#)

FAS systems

- [FAS70/90](#)

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