7800 Fan Unit Replacement

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Scope

The following slides depict and describe the extent to which a 7800 series fabric module can be safely extracted from the rear of the chassis in order to allow a quick field replacement of the fan module.

If the fabric module is pulled out much further than the identified features in each slide, it may tilt and fall out of the rear of the chassis, causing damage to the fabric, and/or injury to the technician swapping the fan.

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Replacing Fan Units

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Identifying 7800R3 and 7800R4 Fans

🟠 FAN-7802-H - For 7800R3 Systems

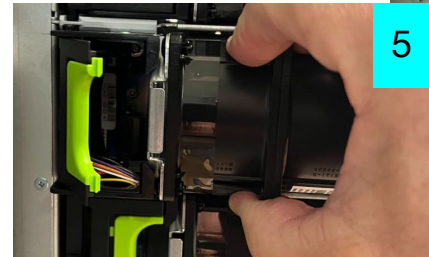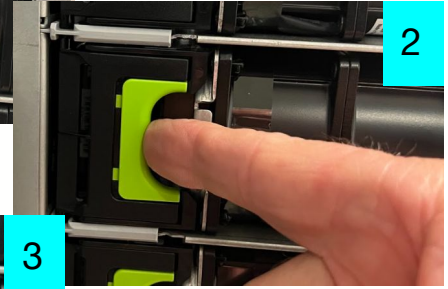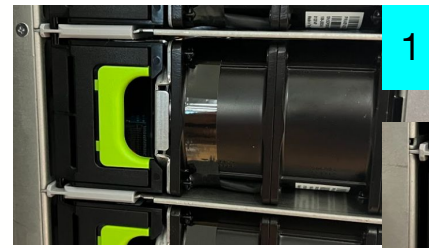🔵 FAN-7800-HS - For 7800R4 Systems

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Fan Module RMA

Fan modules are individually replaceable - do not return entire fabric module if a fan fails

1. Leave failed fan in place until replacement part arrives
2. Unpack new fan and retain packaging for return shipment
3. Replace faulty fan following steps on next slides
4. Pack faulty fan following steps below
5. Apply return label to outermost packaging
6. Contact courier for collection

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R3 Fan Module Removal Steps

1. Locate the fan module that is to be replaced
2. Place a finger along the right edge of the Green ejector latch
3. Press the latch to the left to unlatch it
4. The latch is spring loaded and should rotate outwards ~45 degrees
5. Grip the ejector latch and pull it straight out until the fan body is slightly proud of the Fabric Module, grip the fan body and pull it out to remove
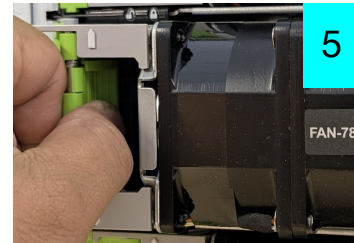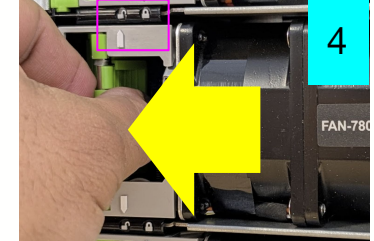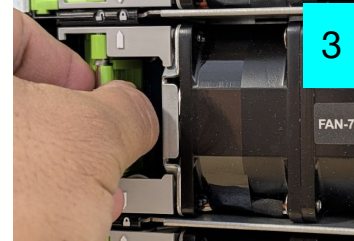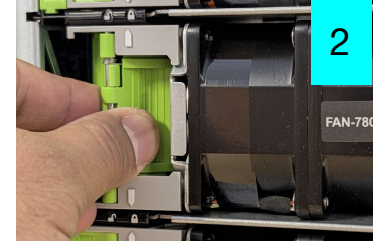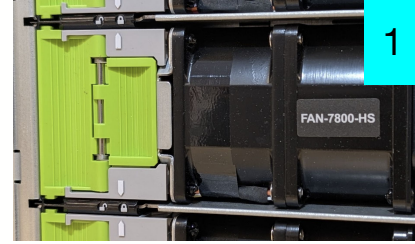6. Empty fan slot

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R3 Fan Module Installation

1. Empty fan slot
2. With the Green latch in the open position, align the fan module to the open fan slot and slide straight into the slot, press on fan body to seat
3. Once fully inserted, using two fingers press to the right on each end of the Green ejector, rotating inwards to the latched position
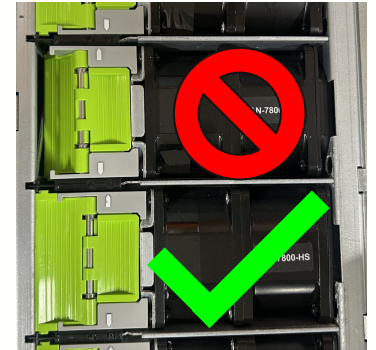4. Press on the green latch until you hear the audible "click", and/or feel the latch click into position.
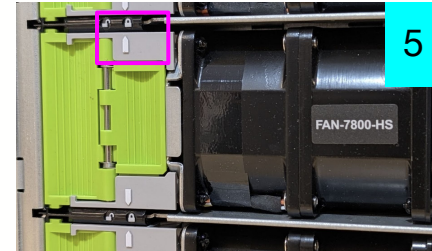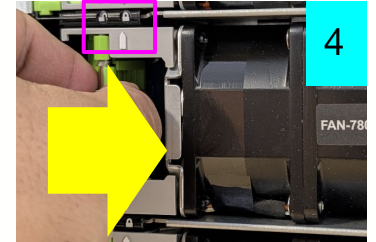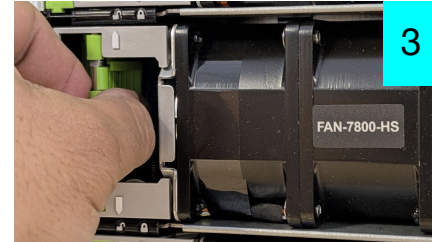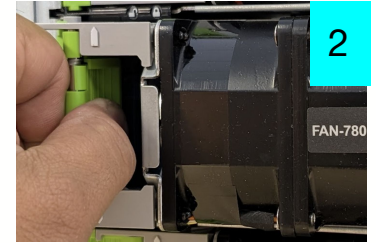
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R4 Fan Module Removal Steps

1. Locate the fan module that is to be replaced
2. Use thumb and forefinger to pinch the green flapper doors
3. The green flaps should rotate down nearly 90 degrees
4. While pinching, pull the fan body right-to-left as pictured. The arrow will align with the "unlock" icon.
5. Grip the ejector latch and pull it straight out until the fan body is slightly proud of the Fabric Module, grip the fan body and pull it out to remove
6. Empty fan slot

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R4 Fan Module Installation

1. Empty fan slot
2. With green flaps pinched down, align the fan module to the open fan slot and slide straight into the slot
3. While pinching, pull the fan body left-to-right as pictured.
4. The arrow will align with the "lock" icon (in most systems).
5. You will feel the latch detent click into position, and green flaps should sit flat when released.

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Identifying Safe Fabric Module Extraction Depths
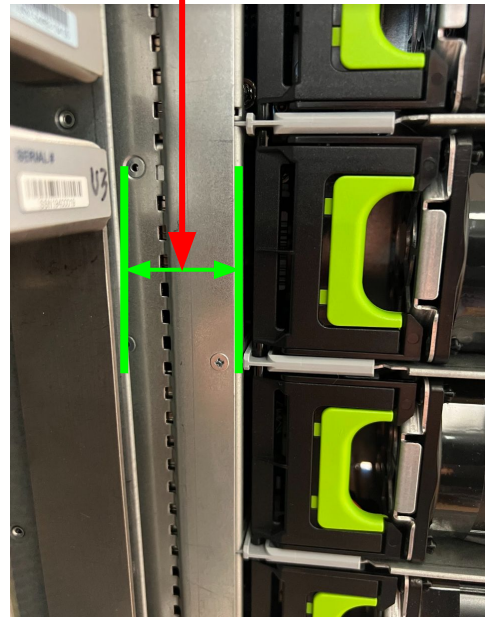
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General Guidance

When withdrawing a fabric module to service fans, take care to ensure the fabric cannot fall out of the system.

Withdraw the fabric module no more than 2cm beyond the array of fan units.

Following slides describe other relevant landmarks on each fabric module variant

Withdraw fabric max 2cm (3/4") beyond fan bay

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Thank You

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