

# Filter Kit Installation Instructions

**Part No. 530-007793-01**  
**Revision 1**  
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This document describes how to remove and replace the filter kit components on a Juniper Networks T320 Internet router.

For additional installation and configuration information, refer to the following documentation:

- *T320 Internet Router Hardware Guide*
- *JUNOS Internet Software Operational Mode Command Reference*
- JUNOS Internet software configuration guides

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## Filter Kit Description

The filter kit contains replacement filter elements for the T320 Internet router front air filter and rear air filter.

## Tools and Parts Required

To maintain and replace the cooling system components, you need the following tools and parts:

- Phillips (+) screwdriver, number 2
- ESD grounding wrist strap

## Replace a Front or Rear Air Filter

The router has two air filters. The front air filter installs horizontally below the FPC card cage, and the rear air filter installs vertically at the left side of the rear of the router. The air filters are not interchangeable. The air filters are hot-insertable and hot-removable.

To replace an air filter, use the following procedures:

- Remove the Front Air Filter on page 2
- Install a Replacement Front Air Filter on page 3
- Remove the Rear Air Filter on page 4
- Install a Replacement Rear Air Filter on page 5

### ***Remove the Front Air Filter***

The front air filter is located in the front of the chassis below the FPC card cage. The front air filter weighs less than 1 lb (0.5 kg).

To remove the front air filter, follow this procedure (see Figure 1):

1. Press the button on the cable management tray, lift the cable management system up and outwards, and lock it in the fully raised position to access the front air filter.
2. Loosen the captive screws on the corners of the air filter faceplate.
3. Grasp the handles and pull the air filter straight out of the chassis.
4. Remove the filter element from the air filter frame (see Figure 2).

**Figure 1: Remove the Front Air Filter Cover**

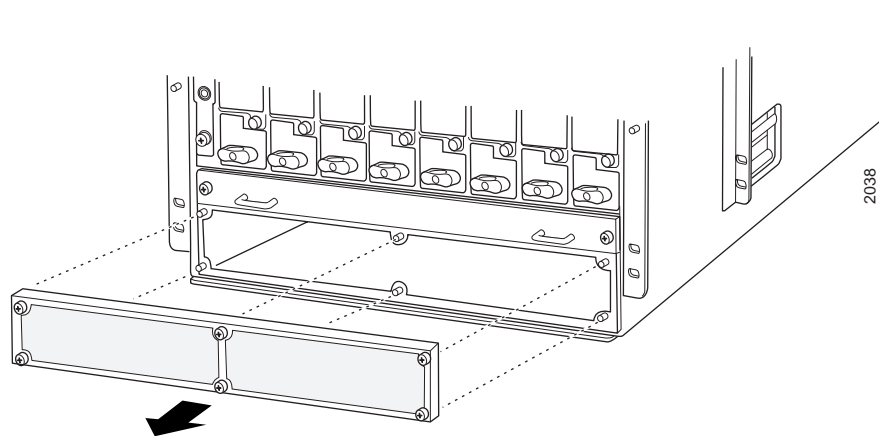
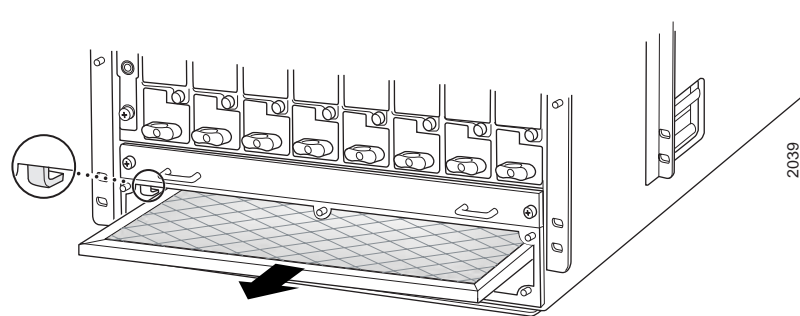


Figure 2: Remove the Front Filter Element

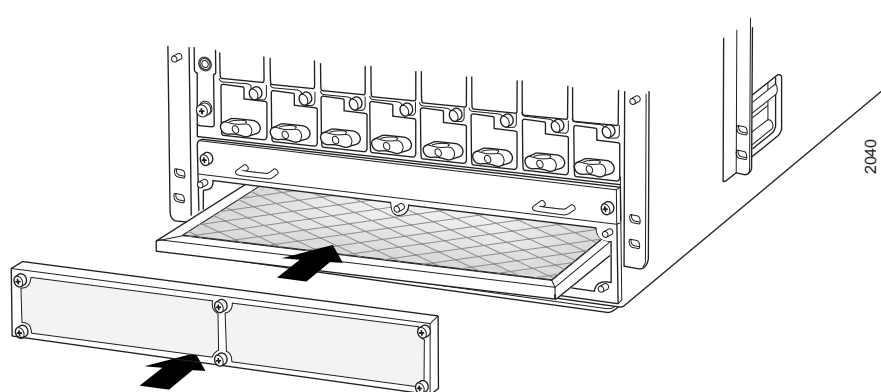


### ***Install a Replacement Front Air Filter***

To install a replacement front air filter, follow this procedure (see Figure 3):

1. Insert the replacement filter element into the air filter frame.
2. Grasp the air filter by the handles on its faceplate and slide it straight into the chassis.
3. Tighten the captive screws on the corners of the faceplate.
4. Unlock the cable management system and lower it to the fully lowered position.

Figure 3: Install a Replacement Front Air Filter



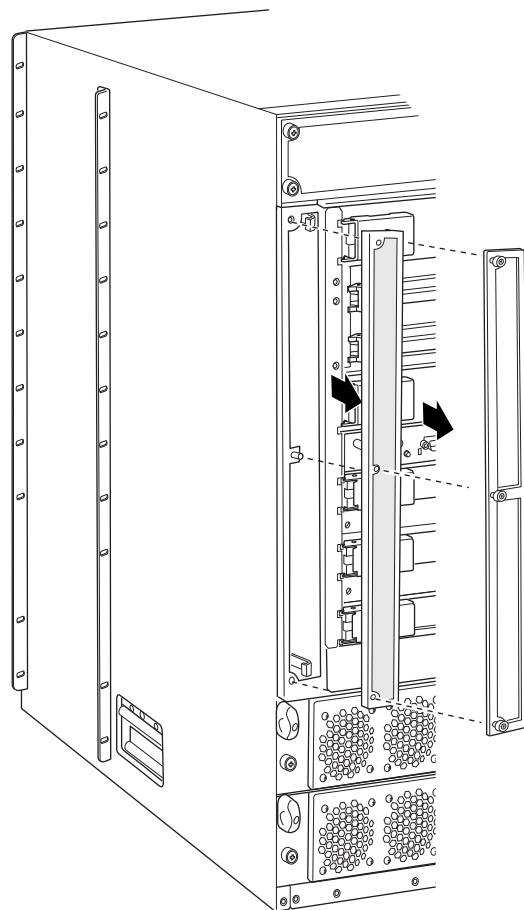
## **Remove the Rear Air Filter**

The rear air filter is located at the left rear edge of the chassis. The rear air filter weighs less than 1 lb (0.5 kg).

To remove the rear air filter, follow this procedure (see Figure 4):

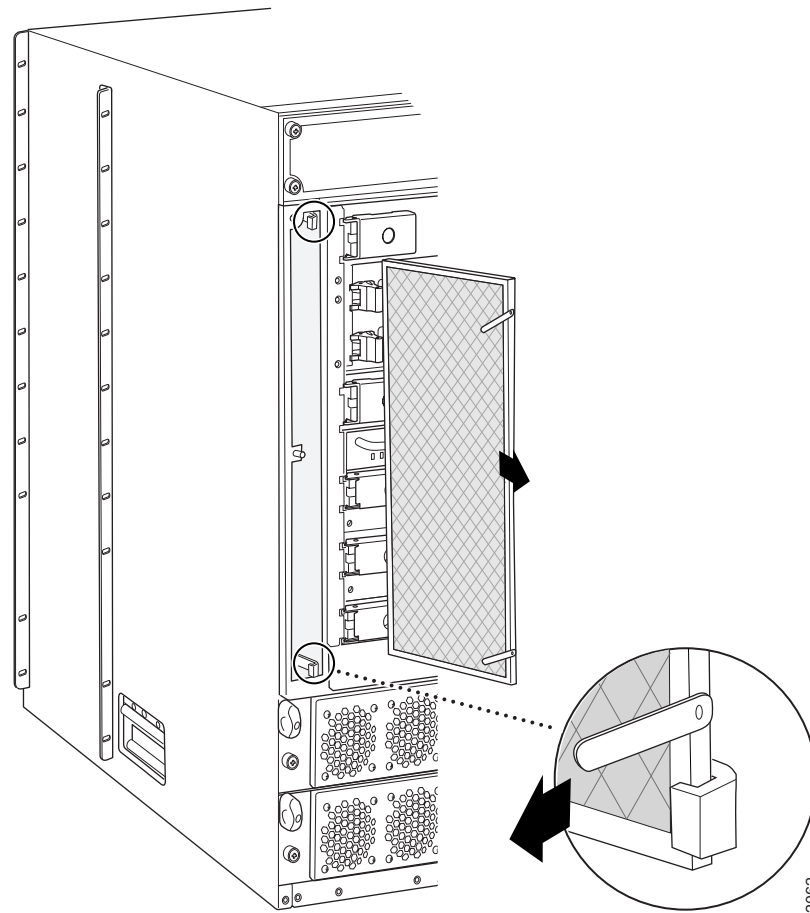
1. Loosen the captive screws at the top and bottom of the air filter cover.
2. Grasp the air filter cover by the captive screws and remove the cover and honeycomb assembly from the chassis.
3. Press the filter inwards until it clears the hooks at the top and bottom of the air filter slot, then push it to the left to unseat it.
4. Move the tabs on the filter to a horizontal position.
5. Grasp the tabs on the filter and carefully pull the filter straight out from the chassis (see Figure 5).

**Figure 4: Remove the Rear Air Filter Cover**



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Figure 5: Replace the Rear Filter Element



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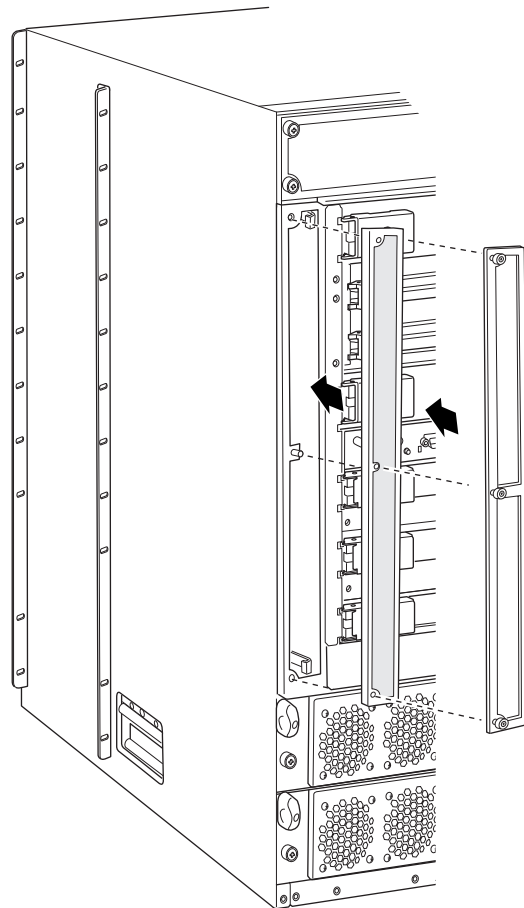
### ***Install a Replacement Rear Air Filter***

To install a replacement rear air filter, follow this procedure (see Figure 6):

1. Holding the replacement filter by the tabs, carefully push the filter all the way into the air filter slot.
2. Holding the filter all the way in, push it to the right side of the slot until it clicks into place behind the hooks.
3. Move the tabs to a vertical position.
4. Place the right edge of the honeycomb against the flange of the air filter slot.
5. Line up the holes at the top, center, and bottom of the honeycomb with the pins in the slot and press the honeycomb into place.

6. Replace the air filter cover.
7. Firmly tighten the captive screws at the top and bottom of the filter cover to secure it to the chassis.

**Figure 6: Install a Replacement Rear Air Filter**



## Contact Juniper Networks

For technical support, contact Juniper Networks at [support@juniper.net](mailto:support@juniper.net), or at 1-888-314-JTAC (within the United States) or 408-745-2121 (from outside the United States).

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