

8 Cleaning the Parts of a BTS3012 Cabinet

About This Chapter

In the BTS3012 cabinet, the fan box and the air filter have to be cleaned periodically.

[8.1 Cleaning the Fan Box](#)

To ensure the long-term stability of the equipment, Huawei recommends that the maintenance personnel clean all the fan boxes once on a yearly basis.

[8.2 Cleaning the air filter of a BTS3012 cabinet](#)

The air filter at the air inlet inside the front door of the BTS3012 cabinet is fixed on the cabinet by zig straps. The air filter is used to prevent dust from outside and reduce the impact of dust on boards in the cabinet. You need to clean the air filter once at least every six months.

8.1 Cleaning the Fan Box

To ensure the long-term stability of the equipment, Huawei recommends that the maintenance personnel clean all the fan boxes once on a yearly basis.

Prerequisite

- Required material: a spare fan box
- Required tools: cross screwdriver, clean gauze, ESD soft brush, cleaner, ESD wrist strap

Context



CAUTION

When you clean the fan box, the replacement of the fan box greatly affects the heat dissipation of the system. Huawei recommends that you replace the fan box in a minute. If the replacement takes a long time, the board may be damaged because of overhigh temperature.



CAUTION

Take correct ESD prevention measures, such as wearing an ESD wrist strap or ESD gloves, to avoid static damage to boards, modules, and electronic components.



CAUTION

After the operation, remove the ESD wrist strap, arrange its line, and place it on the zig strap of the air filter inside the door of the cabinet. Confirm that the cables and parts are in position. The ESD wrist strap must not be connected to the ESD jack when you close the door. Otherwise, the door will get stuck by the ESD wrist strap and the ESD wrist strap or the cabinet door will be damaged.

Procedure

- Step 1** Use tools such as clean gauze, ESD brush, and cleaner to clean the spare parts of the fan box.
- Step 2** Open the front door of the cabinet. Use a cross screwdriver to loosen the two screws that fix the fan box.
- Step 3** Remove the fan box from the cabinet.



CAUTION

Do not put your fingers into the fan box. The running fan or metal edges in the fan box may injure your fingers.

Step 4 Install the cleaned spare fan box in the cabinet. Tighten the screws that fix the fan box.

Step 5 Use tools such as clean gauze, ESD brush, and cleaner to clean the fan boxes that have been removed from the cabinet. These fan boxes are used as spare fan boxes.

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8.2 Cleaning the air filter of a BTS3012 cabinet

The air filter at the air inlet inside the front door of the BTS3012 cabinet is fixed on the cabinet by zig straps. The air filter is used to prevent dust from outside and reduce the impact of dust on boards in the cabinet. You need to clean the air filter once at least every six months.

Prerequisite

Required tools: cross screwdriver, dry cloth, clean gauze, ESD wrist strap

Context



CAUTION

Take correct ESD prevention measures, such as wearing an ESD wrist strap or ESD gloves, to avoid static damage to boards, modules, and electronic components.

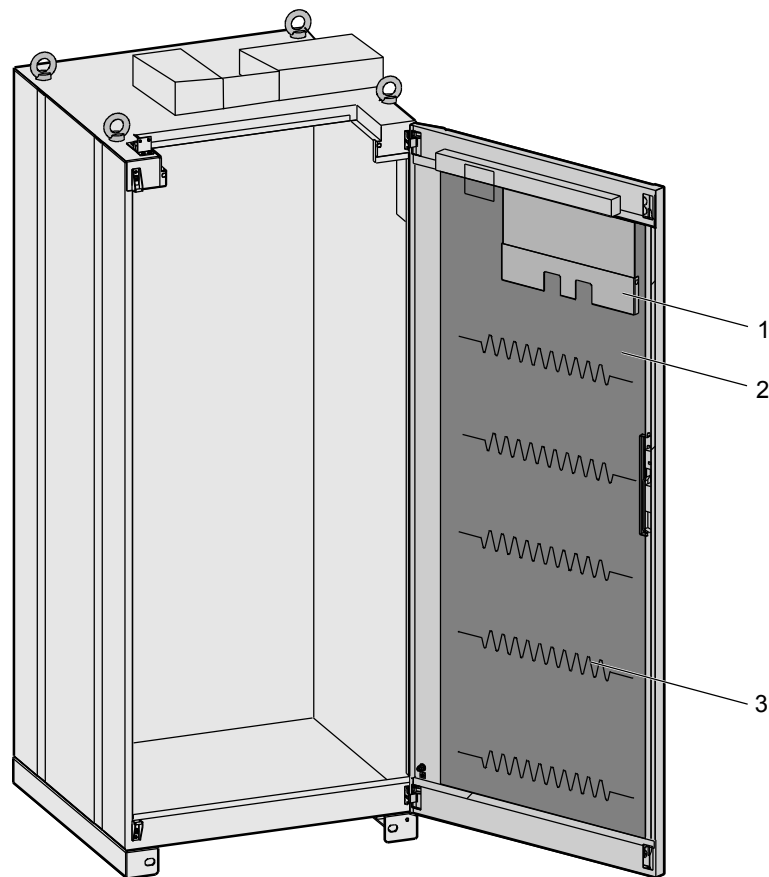


CAUTION

After the operation, remove the ESD wrist strap, arrange its line, and place it on the zig strap of the air filter inside the door of the cabinet. Confirm that the cables and parts are in position. The ESD wrist strap must not be connected to the ESD jack when you close the door. Otherwise, the door will get stuck by the ESD wrist strap and the ESD wrist strap or the cabinet door will be damaged.

Procedure

Step 1 Open the front door of the BTS3012 cabinet. There is a file box fixed at the upper part of the inside door, as shown in [Figure 8-1](#). Use a cross screwdriver to remove the screws fixing the file box, and then remove the file box.

Figure 8-1 Position of the air filter

(1) File box

(2) Air filter

(3) Zig strap

Step 2 Remove the five zig straps from the bottom up.

Step 3 Remove the air filter from the door.

Step 4 Use clean water to clean the air filter, use the dry cloth to wipe the air filter, and put the air filter in a well-ventilated place to dry it.

**CAUTION**

Do not insert the undried air filter into the cabinet. Otherwise, components inside the cabinet may incur short-circuiting because of the water drops sucked from the air inlet of the cabinet.

Step 5 Use clean gauze to wipe the inner side of the cabinet.

Step 6 Place the clean and dry air filter in position along the inner side of the door and install it using the five zig straps from the top down.

Step 7 Use screws to fix the file box onto the upper part of the side door.

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