



XTE 401 Series Heat Exchanger Door Assembly Kit

Installation Manual

Kit Specification Number: F1011285

For Use in Spec. No. F2022005 cabinet

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Technical Support Site

If you encounter any installation or operational issues with your product, check the pertinent section of this manual to see if the issue can be resolved by following outlined procedures.

Visit <https://www.vertiv.com/en-us/support/> for additional assistance.

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Admonishments Used in this Document



DANGER! Warns of a hazard the reader **will** be exposed to that will **likely** result in death or serious injury if not avoided. (ANSI, OSHA)



WARNING! Warns of a potential hazard the reader **may** be exposed to that **could** result in death or serious injury if not avoided. This admonition is not used for situations that pose a risk only to equipment, software, data, or service. (ANSI)



CAUTION! Warns of a potential hazard the reader **may** be exposed to that **could** result in minor or moderate injury if not avoided. (ANSI, OSHA) This admonition is not used for situations that pose a risk only to equipment, data, or service, even if such use appears to be permitted in some of the applicable standards. (OSHA)



ALERT! Alerts the reader to an action that **must be avoided** in order to protect equipment, software, data, or service. (ISO)



ALERT! Alerts the reader to an action that **must be performed** in order to prevent equipment damage, software corruption, data loss, or service interruption. (ISO)



FIRE SAFETY! Informs the reader of fire safety information, reminders, precautions, or policies, or of the locations of fire-fighting and fire-safety equipment. (ISO)



SAFETY! Informs the reader of general safety information, reminders, precautions, or policies not related to a particular source of hazard or to fire safety. (ISO, ANSI, OSHA)

Important Safety Instructions

Safety Admonishments Definitions

Definitions of the safety admonishments used in this document are listed under “Admonishments Used in this Document” on page iv.

Safety and Regulatory Statements

Refer to Section 4154 (provided with your customer documentation) for Safety and Regulatory Statements.

Déclarations de Sécurité et de Réglementation

Reportez-vous à la Section 4154 (fourni avec les documents de votre client) pour les déclarations de sécurité et de réglementation.

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1 Vertiv™ XTE 401 Series Heat Exchanger Door Assembly Kit Installation Instructions

1.1 Kit Description

These instructions provide a step-by-step procedure to field install this kit into a Cabinet (Spec. No. F2022005). Installation of this kit in other equipment should not be attempted.

This kit provides a heat exchanger door assembly to replace the door of the cabinet.

1.2 Kit Contents

Table 1.1 lists the items furnished as a part of this kit. Before installing the kit, check the items furnished against those listed to ensure that there are no shortages.

Table 1.1 Kit Contents

P/N	Description	Qty.
F1011285	Heat Exchanger Door Assembly	1

1.3 Tools and Material Required

Table 1.2 lists the items required to install this kit.

Table 1.2 Tools and Material Required

Description
Cordless Drill
1/4" and #13 Drill Bits
Handheld Pop Rivet Gun
2.5 or 3 mm Flat Head Screwdriver
Heat Gun
Small Hammer (may require in the removal of the rivet body)
Pliers (may require in the removal of the rivet body)

1.4 Installation Procedure

THESE INSTRUCTIONS SHOULD BE READ THROUGH COMPLETELY BEFORE INSTALLING THE KIT.

The following is a step-by-step procedure to install the kit. The procedure has been written for ease of use and to minimize the possibility of contact with potentially hazardous energy. This procedure should be performed in the sequence given, and each step should be completely read and fully understood before performing that step. Observe all "Important Safety Instructions" starting on page v and also those presented in the following procedure. As each step of the procedure is completed, the box adjacent to the respective step should be checked. This will minimize the possibility of inadvertently skipping any steps. If the step is not required to be performed for your site, also check the box to indicate that it was read.

Procedure



DANGER! Observe the "Important Safety Instructions" located at the beginning of this document and those presented in the following procedures.



DANGER! This system must be isolated from all AC input power and DC input power. All AC input power to the system must be turned off and all AC input disconnects must be locked out / tagged out before installing this kit. All DC input power to the system must be turned off and all DC input disconnects must be locked out / tagged out before installing this kit.



CAUTION! Two persons are needed to perform the heat exchanger door assembly replacement. One person is required to hold the door during the removal/installation procedure and another person is required to perform the procedure.

- [] 1. Open the door of the cabinet.
- [] 2. Deactivate the upstream DC power disconnect device to disconnect power to the heat exchanger.
- [] 3. Disconnect the heat exchanger's power cable from the DC power source.



NOTE! This cable will be removed along with the original heat exchanger door assembly.

- [] 4. While holding the door securely open, drill all exposed six (6) pop rivet heads securing the door hinge to the cabinet by using the cordless drill to remove the head of rivets. See Figure 1.1.



NOTE! The goal is not to drill through the hinge, but only to remove enough material from the pop rivet head that the head can be removed.

Figure 1.1 Removing the Head of Pop Rivets

Drill all exposed six (6) pop rivet heads securing the door hinge to the cabinet by using the cordless drill to remove the head of rivets.



- [] 5. Hold the door and remove the pop rivets from the hinges. See Figure 1.2.
- a) **For the removal of pop rivets from the top five (5) positions:**
Use screwdriver to remove the body of the rivet.
 - b) **For the removal of pop rivet from the lowest position:**
Use a drill # 13 to remove the body of rivet.



NOTE! Do not damage the door ground strap and lower bracket of the cabinet.



NOTE! Avoid damaging the cabinet paint finish while removing the pop rivets.



NOTE! If you cannot remove the rivets by using a screwdriver or drill, use a small hammer and plier for the removal of the rivet body.

Figure 1.2 Removing the Pop Rivets from the Hinges

Removing the Pop Rivets from the Top Five (5) Positions

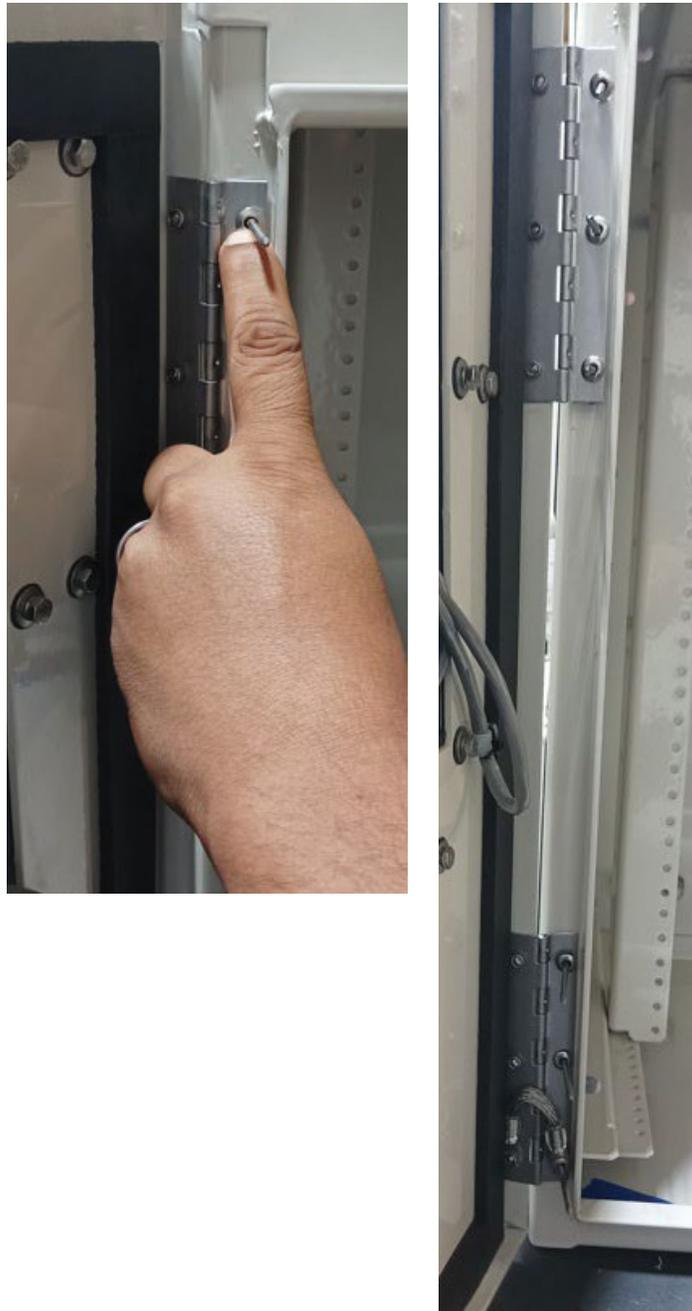


Removing the Pop Rivet from the Lowest Position



- [] 6. Set the door aside for disposal. Pull the heat exchanger's power cable out of the cabinet along with the door.
- [] 7. Hold the new door up to the cabinet and align the hinge holes with the cabinet holes. Perform the below steps to insert the rivets. See Figure 1.3.
 - a) Insert pop rivet P/N P34504 (included with F1011285 door assembly) into the Top (5) Positions.
 - b) Before installation of the lowest pop rivet, align the ring terminal of the new door ground strap over the hinge hole and insert the pop rivet P/N P96157 (included with F1011285 door assembly).

Figure 1.3 Aligning the Hinge Holes with the Cabinet Holes and Inserting the Rivets



- [] 8. Install the pop rivets by using the handheld pop rivet gun. See Figure 1.4.



NOTE! Make sure to press the hinge firmly against the cabinet before installing the pop rivets.

Figure 1.4 Installing the Pop Rivets

Install the pop rivets by using the handheld pop rivet gun.



- [] 9. Make sure that the all the pop rivets are installed correctly.
- [] 10. Connect the heat exchanger's power cable to the DC power source and dress the power cable within the cabinet appropriately.
- [] 11. Reconnect power to the heat exchanger by reactivating the upstream DC power disconnect device.
- [] 12. To check the heat exchanger operation, use the heat gun carefully on the heat exchanger control thermostats.



NOTE! Make sure that the hot air does not point over the cable or plastic components under the sensors.

- [] 13. Close the door of the cabinet.

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