



# Bulk Output Panel Assembly Kit

## Installation Manual

Kit Specification Number: 582127000EASK001 – Kit, Bulk Output Panel, Top Row of 4-Row Cabinet

582127000EASK002 – Kit, Bulk Output Panel, Top Row of 2-Row Cabinet

For Use in Spec. No. 582127000 Power System

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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™ Bulk Output Panel Assembly Kit

## 1.1 Kit Description

These instructions provide a step-by-step procedure to field install kits 582127000EASK001 and 582127000EASK002 into Power System Spec. No. 582127000, List EA. Installation of this kit in other equipment should not be attempted.

## 1.2 Kit Contents

The following items are furnished as a part of this kit. Before starting the procedure, check the items furnished against those listed to ensure that there are no shortages.

**Table 1.1 582127000EASK001 Kit (For 4-Row Cabinet)**

Qty.	Description	P/N
1	Bulk Output Panel Assembly	582127000EA
8	Bolt, 5/16"-18x1-1/4" Long	227643800
8	Washer, Bellville, 5/16"	214824900
8	Washer, Flat, 5/16"	214203300
4	Screw, #10-32x5/8" Long	218706400
4	Washer, #10	214108200
1	Busbar Assembly, -48V Side	562473
1	Busbar Assembly, RTN Side	562469
1	Load Lug Hardware Kit, 3/8-16	548184

**Table 1.2 582127000EASK002 Kit (For 2-Row Cabinet)**

Qty.	Description	P/N
1	Bulk Output Panel Assembly	582127000EA
8	Bolt, 5/16"-18x1-1/4" Long	227643800
8	Washer, Bellville, 5/16"	214824900
8	Washer, Flat, 5/16"	214203300
4	Screw, #10-32x5/8" Long	218706400
4	Washer, #10	214108200
1	Busbar Assembly, -48V Side	562474
1	Busbar Assembly, RTN Side	562470
1	Load Lug Hardware Kit, 3/8-16	548184

## 1.3 Tools and Material Required

The following items are required to install this kit.

Description
Insulated Tool Kit
Torque Wrench

## 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” located at the beginning of this document 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.

### 1.4.1 Installing the Busbar Kit, Part Number 582127000EASK001 (4-Row Cabinet)

#### Procedure



**DANGER!** Observe the Important Safety Instructions located at the beginning of this document.

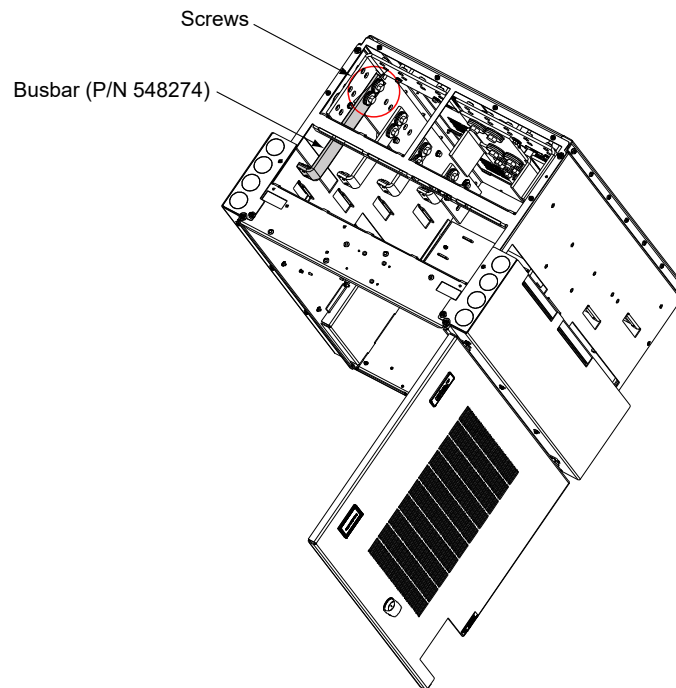


**NOTE!** When performing any step in this procedure which requires removal of existing hardware, retain all hardware for use in subsequent steps, unless otherwise stated.

- [ ] 1. Open the distribution cabinet front door.
- [ ] 2. Loosen the screws and remove the existing busbar from the return side. See **Figure 1.1**.
- [ ] 3. Loosen the screws and remove the existing busbar from the hot side. See **Figure 1.2**.
- [ ] 4. Mount the new busbar (562469) to the return side as shown in **Figure 1.3**.
- [ ] 5. Mount the new busbar (562473) to the hot side as shown in **Figure 1.4**.
- [ ] 6. Use screws to secure the bulk output panel to the busbars and tighten to the required torque as shown in **Figure 1.5**.
- [ ] 7. Close the distribution cabinet access door.



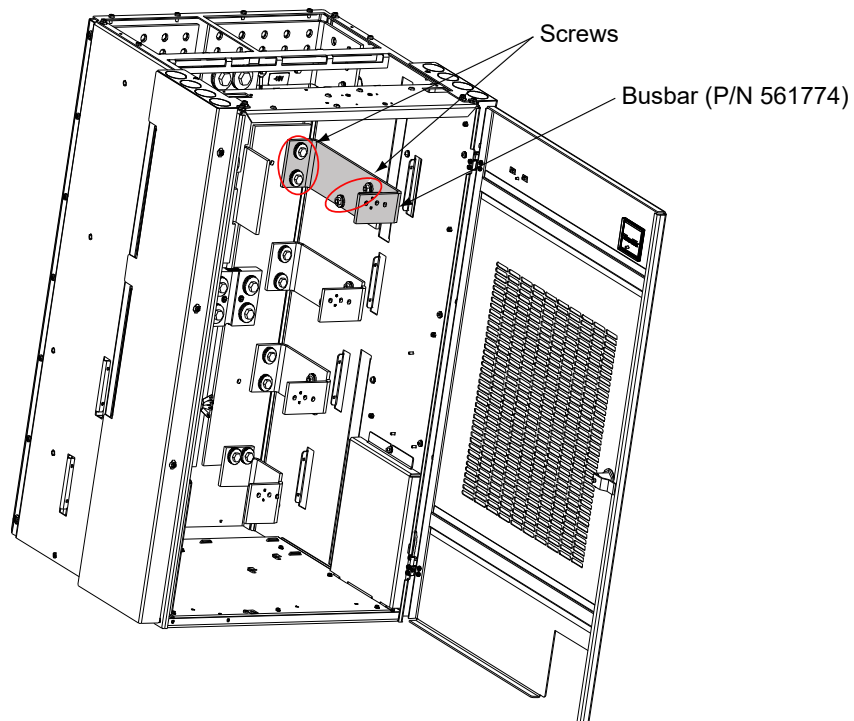
**Figure 1.1** Removing the existing busbar (P/N 548274) from the return side. Retain the hardware.



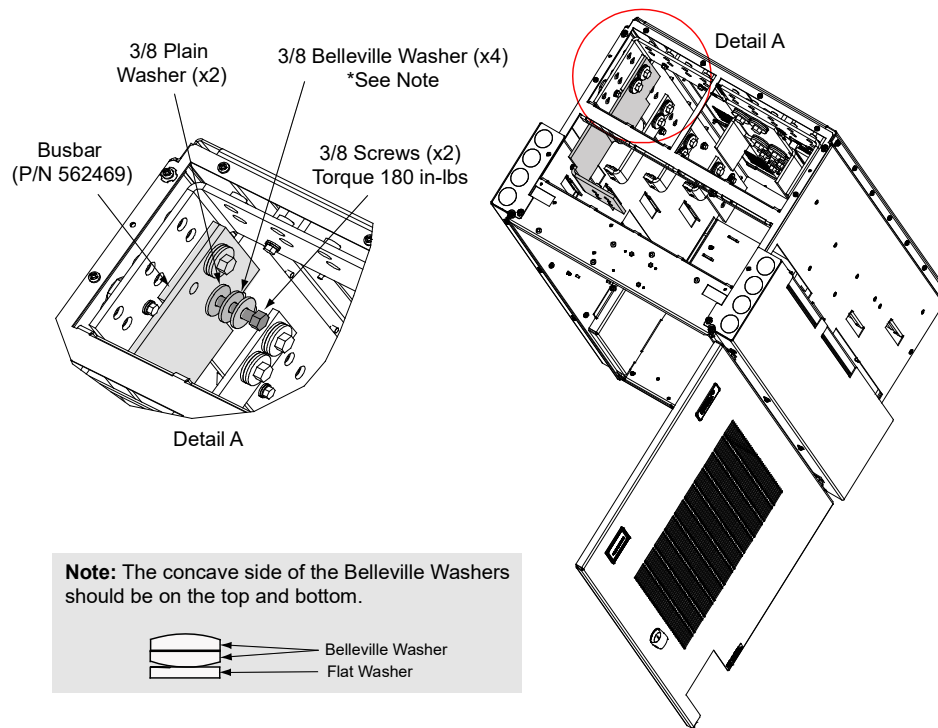
**Figure 1.2** Removing the existing busbar (P/N 561774) from the hot side.



**NOTE!** Retain the hardware. Be sure to keep the two insulating shoulder washers on the threaded studs.

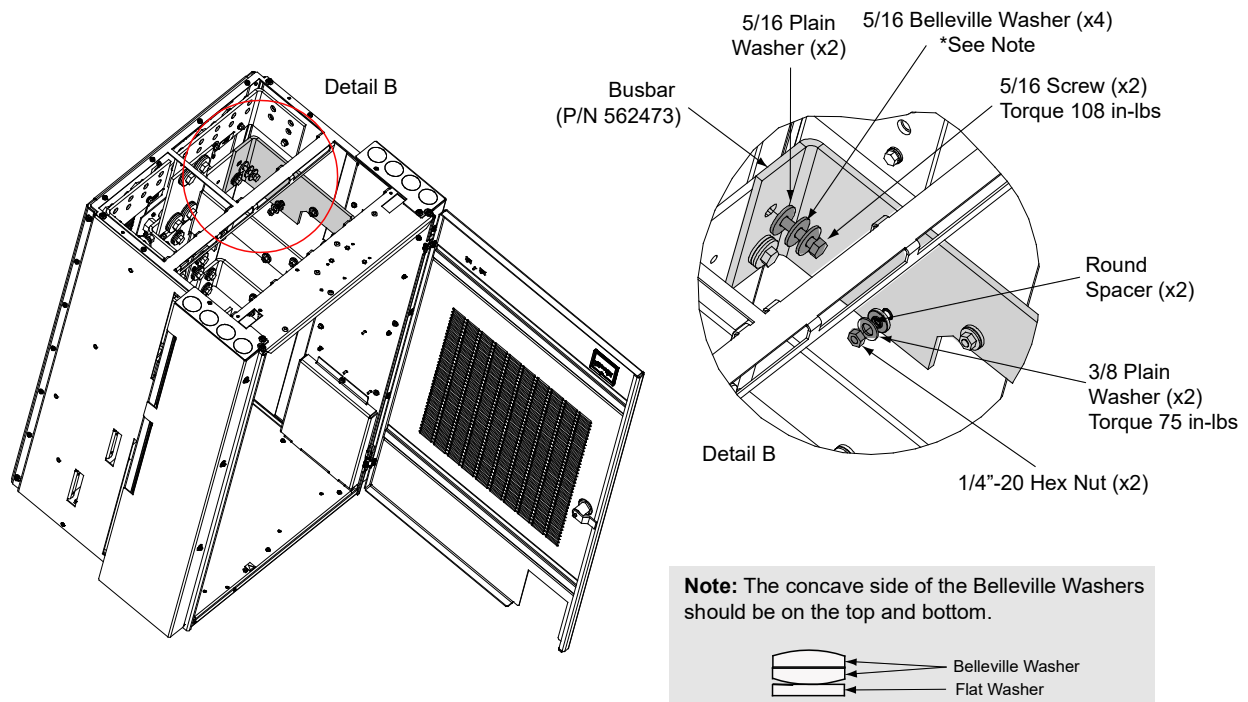


**Figure 1.3** Mounting the new busbar (P/N 562469) to the return side, re-use original hardware.

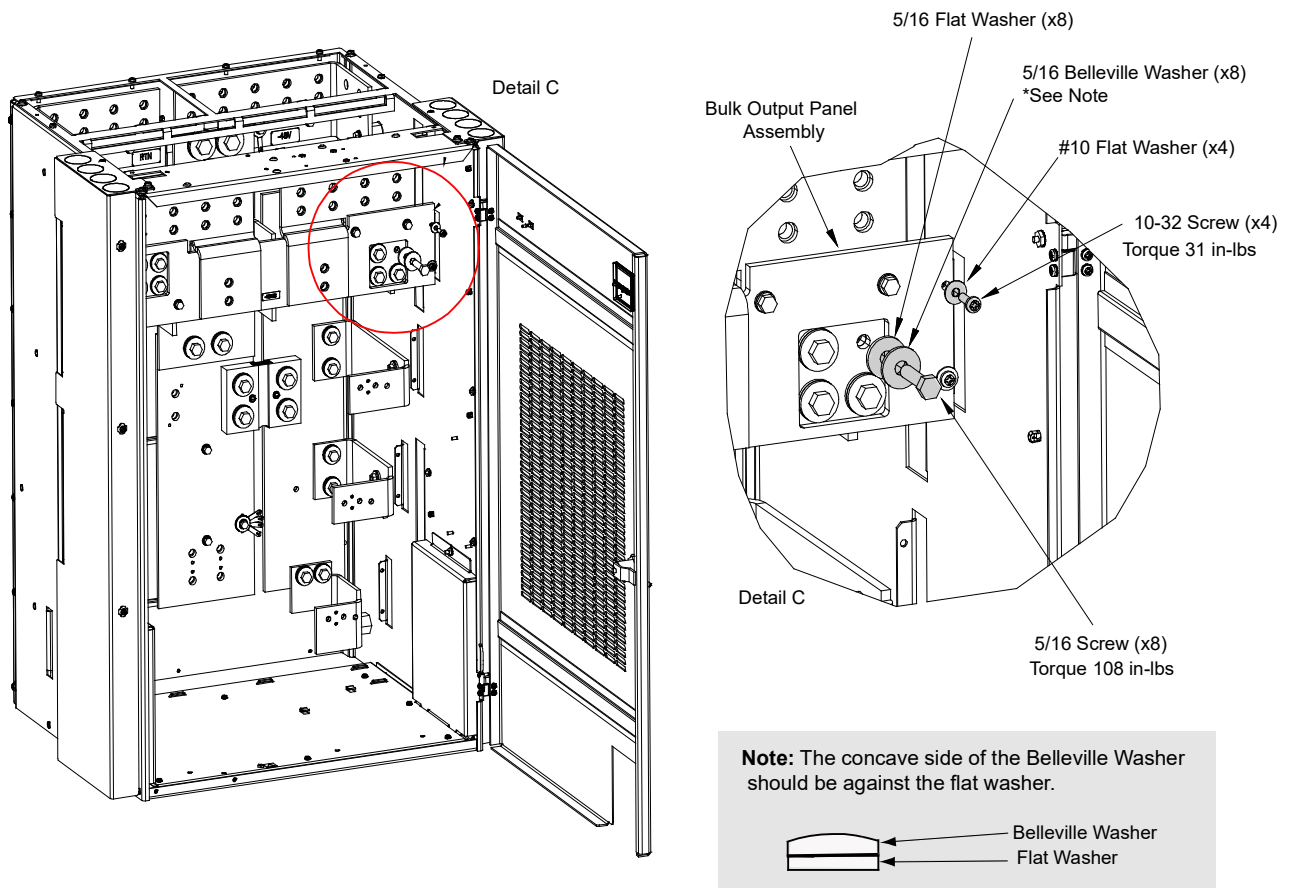


**Figure 1.4** Mounting the new busbar (P/N 562473) to the hot side, re-use original hardware.

**NOTE!** Be sure that the insulating shoulder washers remain on the threaded studs to keep the bus bar insulated from the side of the cabinet.



**Figure 1.5** Mounting the bulk output panel to the busbars, 4-row cabinet.



## 1.4.2 Installing the Busbar Kit, Part Number 582127000EASK002 (2-Row Cabinet)

### Procedure



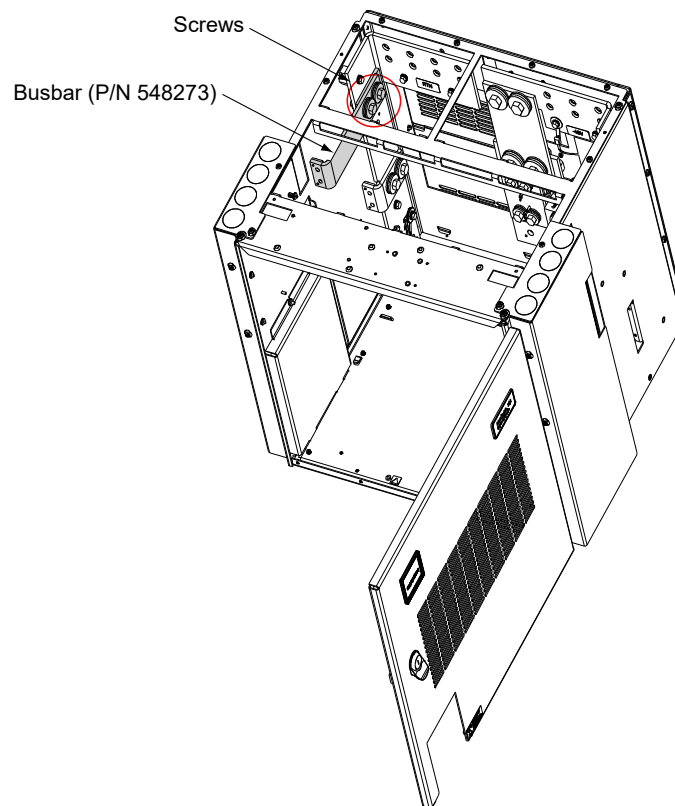
**DANGER!** Observe the Important Safety Instructions located at the beginning of this document.



**NOTE!** When performing any step in this procedure which requires removal of existing hardware, retain all hardware for use in subsequent steps, unless otherwise stated.

- [ ] 1. Open the distribution cabinet front door.
- [ ] 2. Loosen the screws and remove the existing busbar from the return side. See **Figure 1.6**.
- [ ] 3. Loosen the screws and remove the existing busbar from the hot side. See **Figure 1.7**.
- [ ] 4. Mount the new busbar (562470) to the return side as shown in **Figure 1.8**.
- [ ] 5. Mount the new busbar (562474) to the hot side as shown in **Figure 1.9**.
- [ ] 6. Use screws to secure the bulk output panel to the busbars and tighten to the required torque as shown in **Figure 1.10**.
- [ ] 7. Close the distribution cabinet access door.

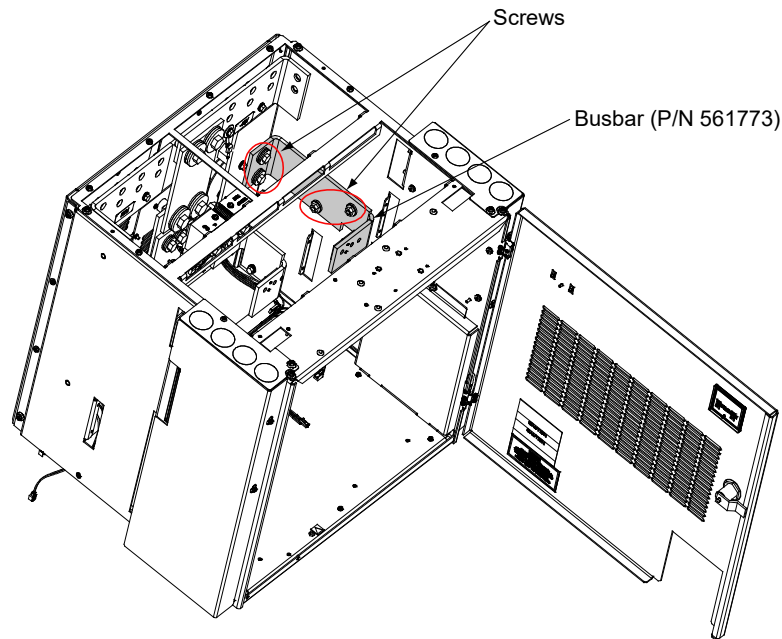
**Figure 1.6** Removing the existing busbar (P/N 548273) from the return side. Retain the hardware.



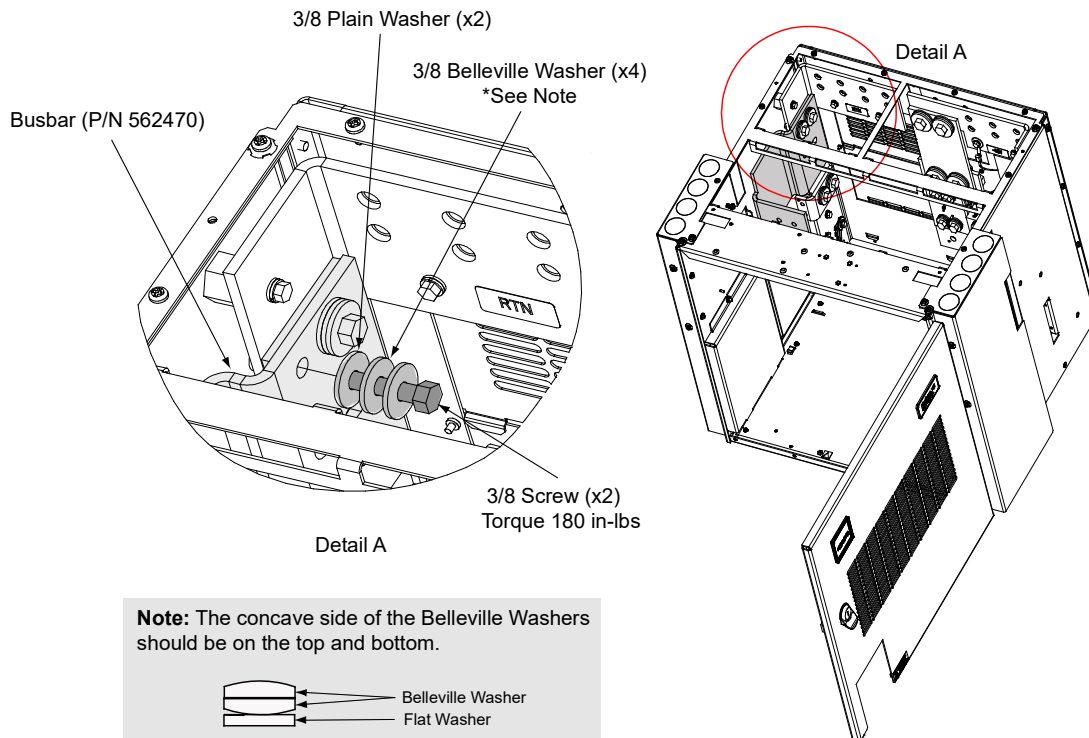
**Figure 1.7** Removing the existing busbar (P/N 561773) from the hot side.



**NOTE!** Retain the hardware. Be sure to keep the two insulating shoulder washers on the threaded studs.

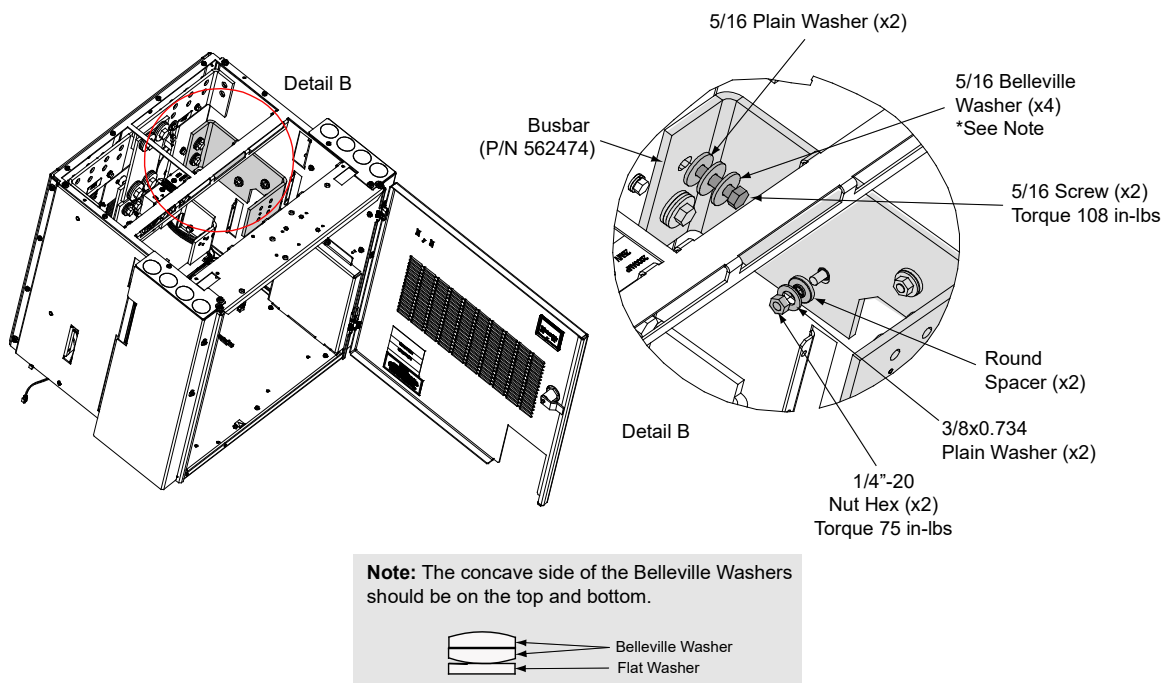


**Figure 1.8** Mounting the new busbar (P/N 562470) from the return side, re-use original hardware.

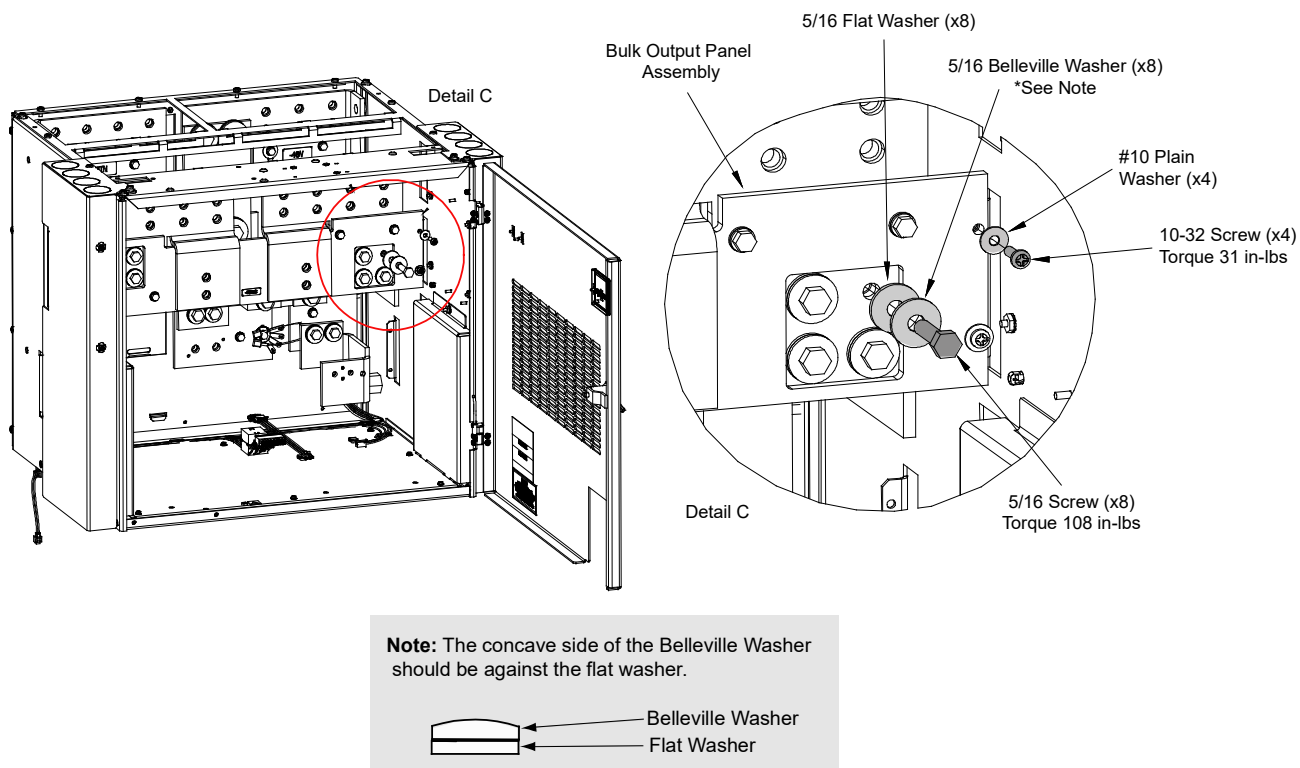


**Figure 1.9 Mounting the new busbar (P/N 562474) from the hot side, re-use original hardware.**

**NOTE!** Be sure that the insulating shoulder washers remain on the threaded studs to keep the bus bar insulated from the side of the cabinet.



**Figure 1.10 Mounting the bulk output panel to the busbars, 2-row cabinet.**



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