Replacing Check Point 21000 Appliances Power Supplies

**Important** - To protect the appliance and the power supplies from electrostatic discharge damage, make sure that you are properly grounded before you touch any of the electronic components. Read the **Health and Safety Information** in the *Check Point 21000 Appliances Getting Started Guide* before you start to prepare the appliance.

We recommend that you use a grounding wrist strap. The grounding plug on the rear of the appliance provides a chassis grounding point.

The appliance contains two redundant, power supplies that you can hot swap into the appliance.

The two active power supplies do load sharing. Load sharing increases the life of the power supplies. Additionally, if one fails, the system continues to operate.
The power supply LEDs at the rear of the appliance show the status of the power supplies.

Note - The previous diagram shows the 21400 appliance.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Slot for optional Security Acceleration Module tray</td>
</tr>
<tr>
<td>2</td>
<td>Bottom tray with the system board</td>
</tr>
<tr>
<td>3</td>
<td>Two retaining screws and extraction handles for the bottom tray</td>
</tr>
<tr>
<td>4</td>
<td>Power supply units</td>
</tr>
</tbody>
</table>
Removing a Power Supply Unit

To remove a 21600, 21700 or 21800 power supply unit:

1. Remove the power cable from the appliance. Do these steps:
   a) On the cable tie, unlock the cable clip.
   b) Move the cable clip so that it is not around the power cable.
   c) Remove the power cable from the appliance.

   **NOTE** - Do not remove the power cable tie from the appliance.

2. Engage and hold the release lever on the power supply unit.
3. Pull the extraction handle to remove the power supply unit.
**NOTE** - To prevent damaging the power supply, use only the extraction handle to remove the power supply unit.

4. If the alarm sounds, press the red Alarm Off button to the right of the power supply. The alarm stops.

**To remove a 21400 power supply unit:**

1. Loosen the retaining screw located at the top right of the power supply.
2. Unlock the power cable clip and remove the power cable.
3. Pull the extraction handle to remove the power supply unit.
**NOTE** - Use only the extraction handle to remove the power supply unit. To prevent damaging the power supply, do not pull on the retaining screw, power cable clip or any other part of the unit.

4. If the alarm sounds, press the red Alarm Off button to the right of the power supply. The alarm stops.

**Installing a Power Supply**

To install a replacement power supply for a 21600, 21700 or 21800 appliance:
1. Insert the power supply into its slot and push firmly until it clicks into position.
2. Insert the power cord.
3. Make sure that the green power supply LED is illuminated.
4. Secure the power cable ("21600, 21700 and 21800 - Securing the Power Cable" on page 6).

To install a replacement power supply for a 21400 appliance:
1. Insert the power supply into its slot and push firmly until it clicks into position.
2. Tighten the retaining screw for the power supply.
3. Insert the power cable.
4. Lock the power cable clip.
5. Make sure that the green power supply LED is illuminated.
21600, 21700 and 21800 - Securing the Power Cable

It is necessary to secure the power cable to the power supply unit on a 21600, 21700 or 21800 appliance. Connect the power cable tie to the appliance and then tighten it to secure the power cable.

Note - Make sure that the power cable is connected to the power supply unit before you attach the power cable tie.

<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
<td>1</td>
<td>Anchor that connects the power cable tie to the appliance</td>
</tr>
<tr>
<td>2</td>
<td>Cable clip that secures the power cable</td>
</tr>
</tbody>
</table>
To connect the power cable tie to the appliance:

1. Insert the anchor into the anchor hole on the power supply unit.

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</tr>
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<tbody>
<tr>
<td>1</td>
<td>Power supply unit release lever</td>
</tr>
<tr>
<td>2</td>
<td>Power supply LED</td>
</tr>
<tr>
<td>3</td>
<td>Anchor hole</td>
</tr>
</tbody>
</table>

2. Make sure that you cannot remove the cable clip from the appliance.
To secure the power cable:
1. Place the cable clip around the power cable.
2. Slide the cable clip so that it is near the appliance.
3. Tighten the cable clip.
4. Make sure that you cannot disconnect the power cable from the power supply unit.