

# RS9 Power Supply Replacement

## Introduction

These instructions explain how to replace the power supply in the Power-Station RS9 or the RSPC9 Industrial PC. They include steps for disassembling the unit, removing the previously installed power supply, installing the new power supply, and reassembling the unit.



**Warning** For safety reasons, the unit should be opened only by qualified service personnel.

**Warning** Be sure to observe electrostatic discharge (ESD) precautions while working inside the unit.

**To complete this procedure, you will need the following items:**

- Replacement Power Supply P9X-PWR
- Phillips-head screwdriver

## Disassembling the Unit

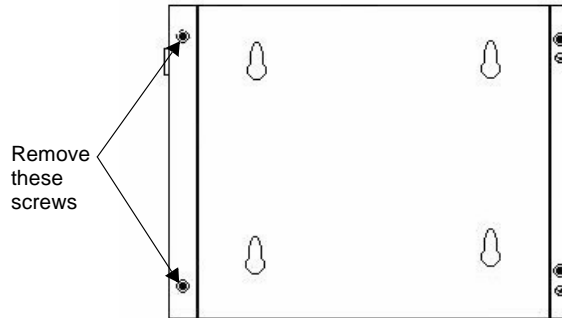
**To disassemble the unit, follow these steps:**

1. Turn off the system.
2. Disconnect the unit from the power source.
3. Disconnect all cables attached to the unit.
4. Remove the unit from its mounted location by lifting the unit up and off its mounting screws.
5. Place the unit on a static dissipative mat in a location free from dirt and moisture and protected against static discharge.
6. Remove the two screws at the left side of the front cover, as shown in Figure 1 on page 2.

**Note** These screws unscrew from the back side of the unit.

7. Swing the front cover open, left to right, on its hinges.

**Figure 1: Opening the Front Cover**

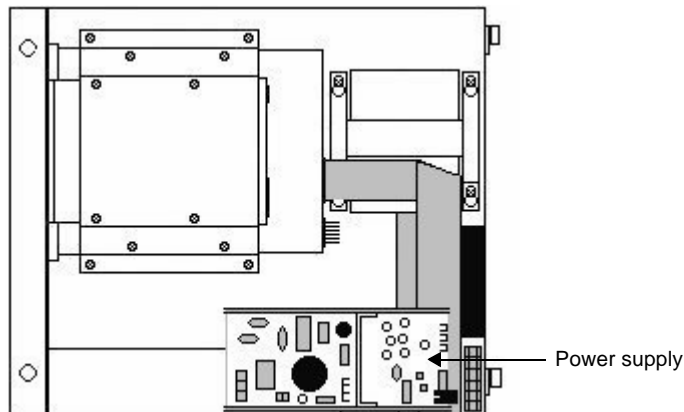


## Removing a Power Supply

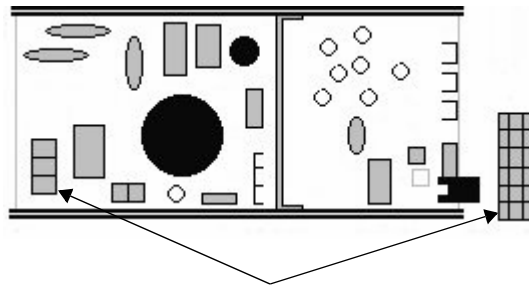
To remove the previously installed power supply, follow these steps:

1. Locate the power supply in the lower right portion of the maintenance compartment, as shown in Figure 2.

**Figure 2: Power Supply**



2. Disconnect the cables at the left and right sides of the power supply, as shown in Figure 3 on page 3.

**Figure 3: Disconnecting Power Supply Cables**

Disconnect cables here

**Important** Each set of cables is gathered in a cable harness, and each harness has a plastic tab that you must pull back in order to detach the harness.

- a. Detach the cables on the left from the power supply itself.
  - b. Detach the cables on the right from the connector just to the right of the power supply.
3. Lay the unit on its back so that the bottom of the unit is facing you.
  4. While holding the power supply in place, remove the four retaining screws that secure the power supply to the bottom of the unit. These screws (1, 2, 3, and 4) are shown in Figure 4 on page 4.

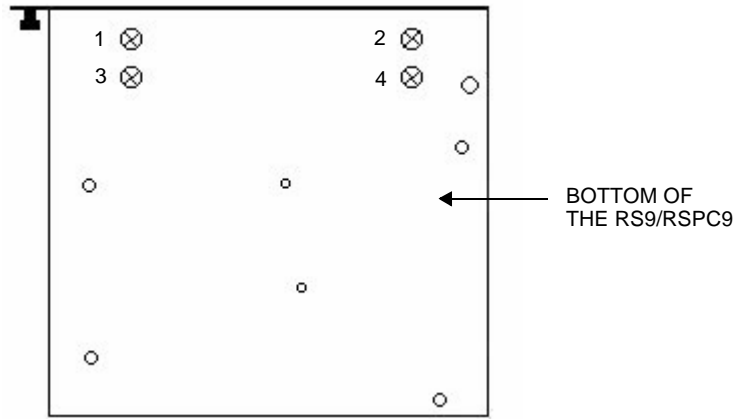
**Important** These four screws are of different sizes, and two (screws 1 and 2) are secured by nuts on the inside of the unit. Be sure to capture the nuts when you remove the screws. When you install the new power supply, replace the same size screws in the same locations as the ones you removed.

## Installing a New Power Supply

**To install the new power supply, follow these steps:**

1. Place the new power supply in the PC9/P9, aligning the screw holes in the bottom of the power supply with those in the bottom of the unit.
2. Replace the four screws that you removed when removing the old power supply in step 4 above. Be sure to include the nuts with screws 1 and 2.

**Figure 4: Removing the Power Supply Retaining Screws**



Remove screws 1, 2, 3, and 4

3. Re-attach the two sets of cables that you disconnected from the old power supply in step 2 on page 2.
4. Turn the backshell upright.

## Reassembling the Unit

**To reassemble the unit, follow these steps:**

1. Close the front cover, and fasten it in place with the two screws that you removed in step 6 on page 1.
2. Reinstall the unit in its mounted location.
3. Reconnect power and other cables to the unit.
4. Reconnect the unit to the power source.

Your power supply replacement is complete. You may now restart the system.