



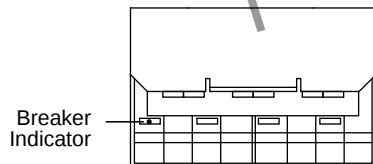
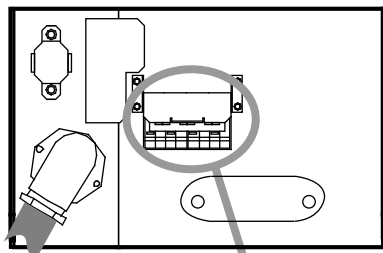
EK-H7263-IN.001

## H7263 POWER REGULATOR INSTALLATION CARD

Use this card as a quick reference to install or replace the H7263 power regulator in a DEC 7000/10000 AXP<sup>TM</sup> or VAX 7000/10000 system. Refer to the *DEC 7000 AXP System/VAX 7000 Platform Service Manual* (EK-7000A-SV) and *VAX 7000 Advanced Troubleshooting* (EK-7001A-TS) for more information.

### INSTALLATION PREPARATION

1. Perform an orderly shutdown of the system.  
Open the rear door of the cabinet and push the handle down on the circuit breaker. The breaker indicators will change to green.



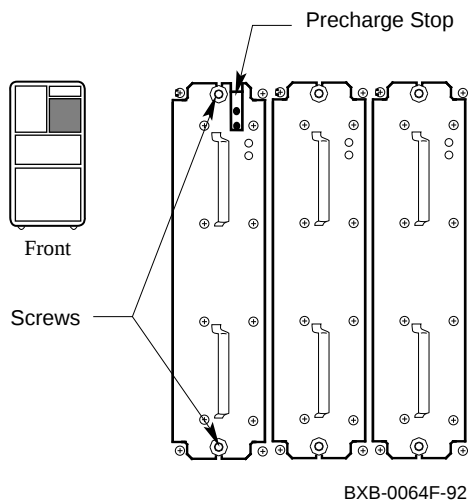
A - Regulator slot A  
B - Regulator slot B  
C - Regulator slot C  
S - Sensor circuit

C B A S BXB-0049G-92

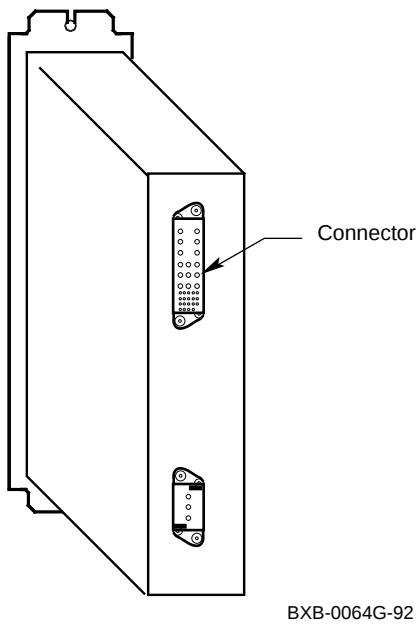
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2. To ensure the circuit breaker is not unintentionally switched on, flip the lockout plate down and lock the tag in place with a padlock.
3. Open the front door of the cabinet and loosen the two captive Phillips screws (one each at the top and bottom) of the regulator to be replaced or the filler module where the power regulator will be installed. Grasp the handles of the regulator and pull it out.

**WARNING:** *The power regulator weighs about 20 kg (40.4 lbs). Be very careful when lifting and positioning it.*



4. When removing a regulator, do not touch the 33-pin DC connector on the rear of the regulator. Cover the charged connector with the conductive foam provided with the replacement regulator to prevent rapid discharge of the stored energy.



### INSTALLING AN H7263 POWER REGULATOR

1. Make certain the regulator is oriented correctly and that the regulator precharge stop is in the down position before installing.

Refer to the *DEC 7000 AXP System / VAX 7000 Platform Service Manual* for information on regulator placement to ensure each phase is balanced.

2. From the front of the cabinet, seat the power regulator in its slot and push it in as far as it will go. Do not force the regulator. If it does not fit, make certain it is oriented correctly and that it is the correct variation.

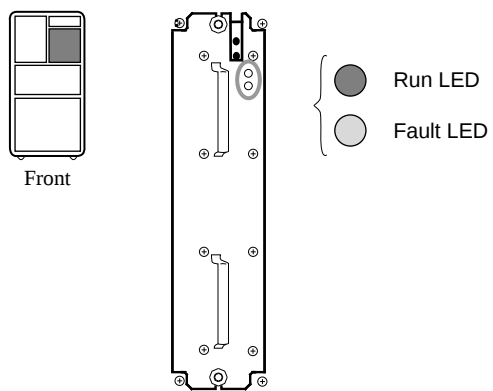
There are two variations: the H7263-AA for North America and the H7263-AB for Europe/GIA/Japan. There are mechanical interlocks to ensure the correct regulator is used with the correct AC input box.

3. Wait 5 seconds and then lift the precharge stop and push the power regulator in the rest of the way.
4. Tighten the captive screws at the top and bottom of the power regulator.
5. Remove the padlock and switch the circuit breaker to On.

### POWER REGULATOR VERIFICATION

Power up the system by turning the keyswitch from Disable to either the Enable or Secure position. Power sequencing begins and the system runs self-test. Check the self-test display to make certain there are no problems.

Each power regulator has a Run LED and a Fault LED.



BXB-0064E-92

The following table summarizes the regulator LEDs and the conditions represented.

*NOTE: Replace the power regulator if the LEDs indicate a fatal fault; the yellow LED is On.*

| Green<br>(Run) | Yellow<br>(Fault) | Condition                                          |
|----------------|-------------------|----------------------------------------------------|
| Off            | Off               | No AC power present                                |
| Off            | On                | Fatal fault                                        |
| Fast<br>flash  | Off               | AC power present; keyswitch in<br>Disable position |
| On             | Fast<br>flash     | Nonfatal fault                                     |
| On             | Slow<br>flash     | Battery discharge mode                             |
| On             | Off               | Normal operation                                   |

Nonfatal faults include:

- Internal heatsink temperature warning
- Power factor correction stage failed
- Regulator/battery failed battery test
- 48V to CCL module exceeds specified limits

Refer to *VAX 7000 Advanced Troubleshooting* for more information.