Sun Microsystems, Inc.
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Mountain View, CA 94043
415 960-1300
TLX 469327

March 1, 1985

Attention: Purchasing Agent

Dear Customer:

Sun Microsystems has discovered that a potential shock hazard exists on some Sun2/120 Deskside SunStation pedestals. This hazard exists only when changing or inspecting the AC line voltage fuse.

The potential shock hazard is due to miswiring of the AC line fuse holder. In pedestals with miswired fuse holders, line voltage is placed on the "cap-end" of the fuse holder, rather than on the receptacle end. In these cases, it is possible for a person inspecting or replacing the fuse to accidentally contact line voltage.

Until the fuse holder wiring is corrected or your system is inspected and found to be wired correctly, ALWAYS DISCONNECT THE AC POWER CORD FROM ITS POWER SOURCE BEFORE OPENING THE FUSE HOLDER ON THE 120 PEDESTAL.

The enclosed Field Change Order (FCO), Number 1037-01 explains in detail how to identify the products effected. Please inspect all of your 120 pedestal assemblies and all of your 120 expansion pedestal assemblies as per instructions on pages 1 and 2 of FCO Number 1037-01.

Please immediately contact Sun's Customer Support department at (415) 960-3500 to schedule service to correct any units with the described problem. Please reference FCO Number 1037-01 when you call. If you have a Sun Microsystems maintenance contract, you may use the standard procedure to log the service call.

The FCO also gives instructions on how to correct the problem. HOWEVER, if you choose to correct the problem yourself Sun Microsystems assumes no responsibility or liabilities.

You may contact Sun's Customer Support department at (415) 960-3500 in order to answer any questions or concerns regarding this matter.

Sincerely,

Bob Caporaso
Manager
Customer Support Engineering

sun microsystems, inc.

Field Change Order

FCO 1037-01 Page 1 of 5

Products Affected

Product	*Serial Number*	*Rev.*
Model 120 pedestals	C-6660 and below	
Model 120 expansion pedestals	C-450 and below	

Problem Description Sun 2/120 pedestals

Potential safety hazard due to miswired fuse holder. The miswiring places AC voltage at "cap-end" of the fuse holder, thereby making it possible for persons replacing the fuse to accidentally contact the AC line voltage.

Currently, two manufacturers are supplying fuse holders: Buss and Littelfuse. Only the Littelfuse fuse holders have been found to be miswired.

Correction

Correct the fuse holder wiring.

Re-wire the fuse holder as shown in Correct Fuse Holder Wiring drawing on page 5 of this FCO.

Implementation time for Inspection and Re-Wiring is approximately .5 hrs.

continued on page ____

Logistics

FCO Kit Number None

Kit Includes ☐ Instructions ☐ Prints ☐ Parts

Approvals

	Date
Logistics	2/25/85
Operations	2/25/85
Service Engineering	2/25/85
OEM Program	2/25/85

Release

Date of Release February 25, 1985

New Rev Level ____

Level of Action Required

☒ Mandatory ☐ Performance

☐ Improvement ☐ Cosmetic

☐ Upgrade

Implementation Time

☐ Implement By ASAP ☐ Next Service Call

☐ Upon Failure of Specified Part ☐ Optional

Special Tool and Test Equipment

None

FCO Check

FCO installed if... either one of the following is true:

1. unit has Buss fuse holder as described on page 2, or
2. unit passes ohmmeter check as described on page 3.

FCO Prerequisite

None

Parts

Qty	*Part Number*	*Description*
	None	

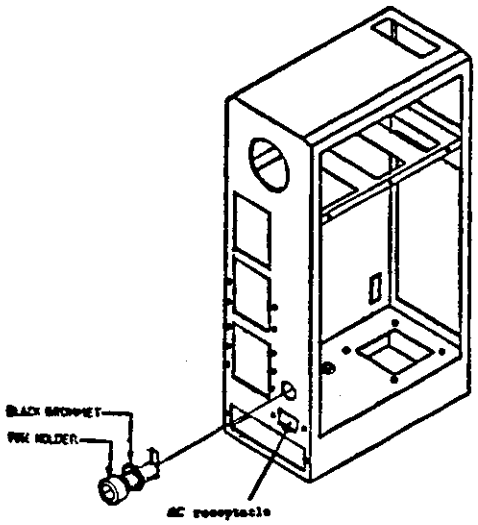
INSPECTION PROCEDURE

A. FUSE HOLDER IDENTIFICATION

A unit with the potential safety hazard can be isolated by the type of fuse holder it has, because there is only one fuse holder which was miswired: Littelfuse.

1. Visually examine the fuse holder at the rear of the pedestal to see whether or not it's a Littelfuse fuse holder. (This can be done WITHOUT removing the cap or the fuse holder.)

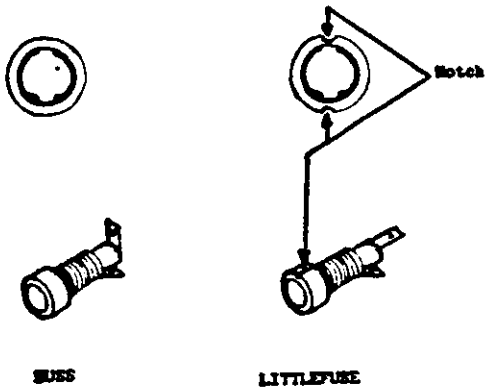
LOCATION OF FUSE HOLDER



Model 120 pedestal

2. The Littelfuse fuse holder can be identified by the notches cut into it on the exposed section (ie., the notches can be seen without removing the cap or the fuse holder). The drawing below shows the difference between the Buss fuse holder and the Littelfuse fuse holder.

FUSE HOLDERS



3. If the unit has a Buss fuse holder, the unit is good, and this FCO is not required.

4. If the unit has a Littelfuse fuse holder, proceed with the following steps:

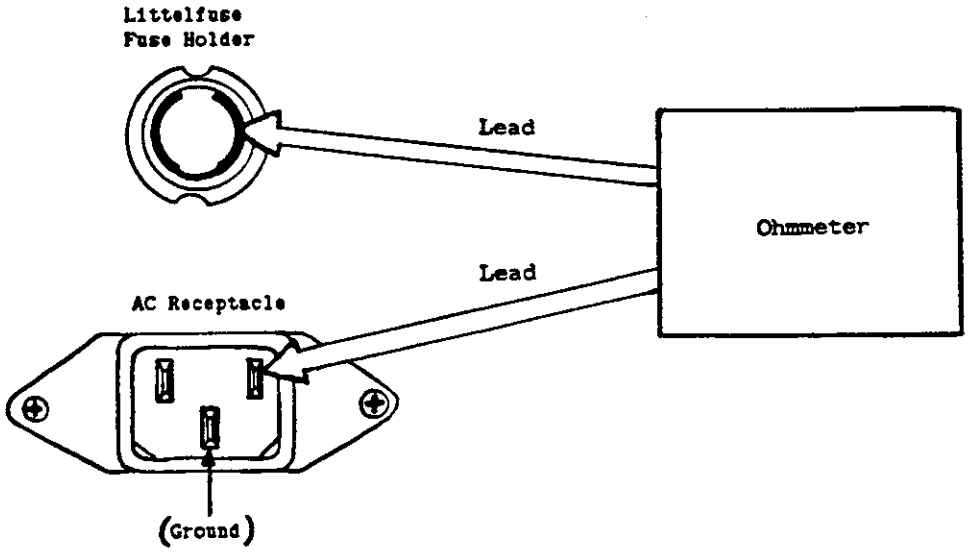
INSPECTION PROCEDURE (cont'd)

B. QUICK CHECK

Not all of the Littelfuse fuse holders were miswired. The ones which were miswired can be identified using the following ohmmeter check:

1. Bring the system down. ("/etc/halt")
2. Turn power switch to the OFF position.
3. UNPLUG THE AC CORD FROM THE AC OUTLET AT THE BACK OF THE PEDESTAL.
4. Remove the cap AND THE FUSE from the fuse holder.
5. Check for continuity between the fuse holder and the upper right prong of the AC receptacle as follows:

   Measure resistance, placing one lead of the ohmmeter on the metal rim of the fuse holder, and the other on the upper right prong of the AC receptacle. See drawing below.



   If the unit has been wired correctly, the ohmmeter should show infinite resistance.

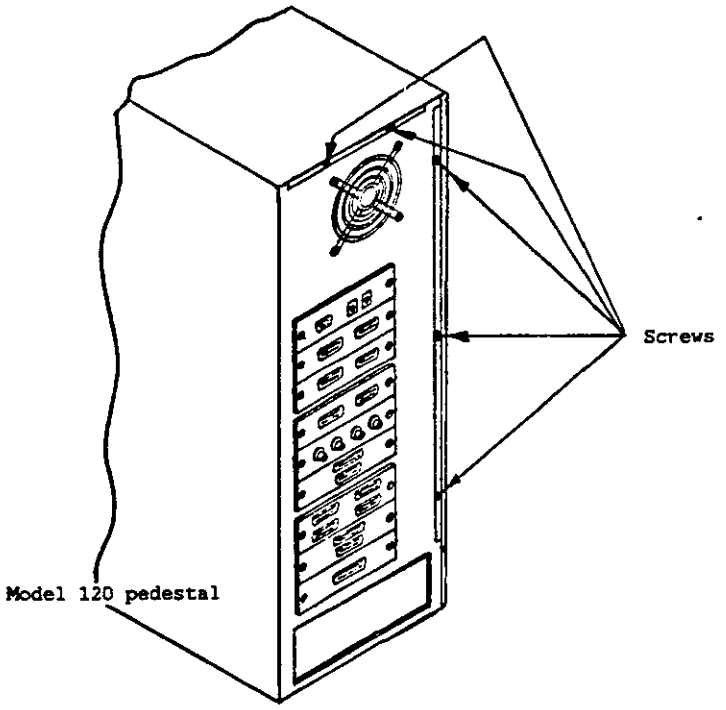
6. If there is no continuity, then the unit is good.
7. If there is continuity (zero resistance), then the fuse holder has been miswired. Proceed with the following steps:

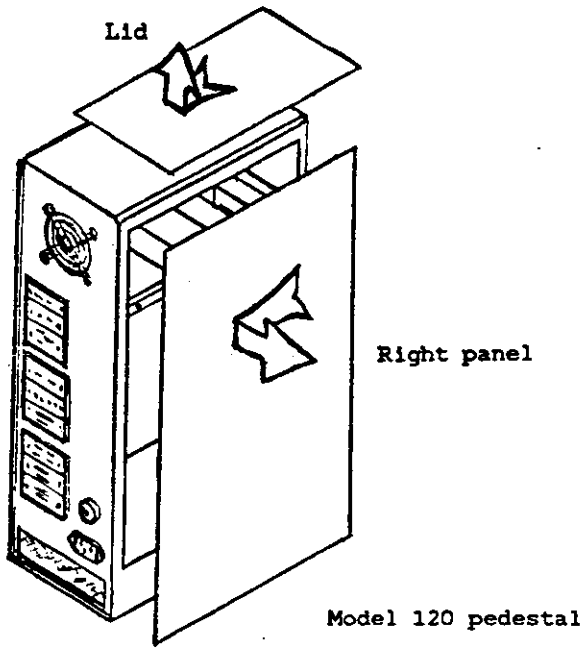
RE-WIRING PROCEDURE

At this point, the unit has been found to have a Littelfuse fuse holder that has been miswired. Now the unit must be opened and the wiring must be corrected.

1. Remove the lid and the right side panel of the unit (as viewed from the rear of the pedestal.)

   a. Remove the two screws holding the lid to the back of the unit. Remove the three screws holding the panel to the back of the unit. See drawing below for location of screws.





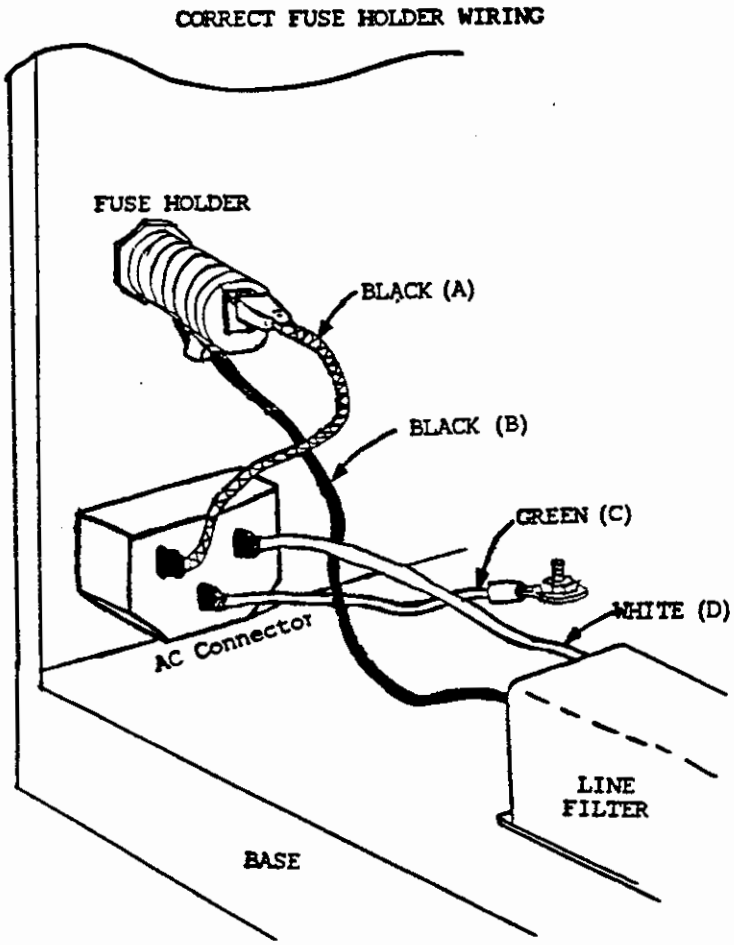
   b. Slide the lid forward and lift it off the unit.

   c. Slide the panel toward the back of the unit, and then lift it out away from the unit.

2. Now the unit is open, and the wiring must be checked and corrected per the following procedures:

RE-WIRING PROCEDURE (cont'd)

3. Compare the AC connector and fuse wiring with the drawing below showing correct wiring:



* Black wire from AC connector should connect to rear of fuse holder. (A)
* Black wire from the line filter should be connected to the side of the fuse holder. (B)
* Green wire from the AC connector should be tied to chassis with a hexnut. (C)
* White wire of the AC connector connects directly to the line filter. (D)

4. ********** I M P O R T A N T **********
   * If the black wires are reversed at the fuse holder, remove and reconnect them as shown. *

5. Re-install the fuse and the fuse cap.

6. Re-install the left side panel.

7. Re-install the lid.

8. Connect the power cord to the wall outlet.

9. Apply power to the pedestal.

10. Verify normal operation.