

S E R V I C E N O T E

SUPERSEDES: None

6633A System DC Power Supply

Serial Numbers: 2709A-00101 / 3325A-04419

Safety Compliance of RFI Filter Capacitor Discharge Time Constant

Duplicate Service Notes:

- 6632A-02
- 6633A-02
- 6634A-02

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

| Part No. | Description |
|-----------------|--|
| 0698-8827 | 1 Megohm, 1%, 1/8 watt resistor |
| 0890-0296 | Tubing, PVC #8, 0.55 inch (15 mm) long |

Situation:

The RFI input filter capacitor, C131 may hold an electrical charge for long periods of time after the line cord is unplugged. The amount of charge is dependent upon when, during the AC line cycle, the supply is unplugged. An operator may experience a slight electrical shock if they touch the line cord or the AC input receptacle terminals.

The maximum energy available from the .22 uF capacitor, C131 will be 0.014 joules.

Continued

DATE: 20 May 1993

ADMINISTRATIVE INFORMATION

| | | |
|-------------------------------|---|---|
| SERVICE NOTE CLASSIFICATION: | | |
| MODIFICATION AVAILABLE | | |
| ACTION CATEGORY: | AGREEABLE TIME | <input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT |
| LOCATION CATEGORY: | <input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER | AVAILABLE UNTIL: May 1994 |
| AUTHOR: DSF | ENTITY: 2100 | ADDITIONAL INFORMATION: |

Solution/Action:

Install a 1 megohm bleed resistor (R300) between the AC and ACC line input terminals on the A1 printed circuit board. This puts the resistor in parallel with C131.

R300 is installed on the bottom of the main PC board at the input connector J4. Center the tubing on the resistor and bend the resistor leads 90 degrees at the ends of the tubing. Remove the solder from J4 outside terminals and wrap the resistor leads around the J4 pins and resolder. Insure the resistor body is flat against the PC board for maximum clearance to the chassis.