MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

3070-77A

S E R V I C E N O T E

Supersedes:
3070-77

Agilent 3070 Medalist Series Board Test System

System Serial Numbers: SG01040241, SG01040383, SG01040412, SG43230118, SG43230121, SG43360100, SG43360102, SG43360104, SG43360105, SG43440121, SG43440125, SG43440128, SG43460103, SG43460105, SG43460106, SG43460108 - SG43460114, SG43460117, SG43460120, SG43460121, SG43460124, SG43460125, SG43480102, SG43480105, SG44400101 - SG44400114, SG44400116 - SG44400126, SG44400139, SG44400142, SG44410100 - SG44410113, SG44410115 - SG44410135, SG44410139, SG44420100 - SG44420113, SG44420115, SG44420130, SG44420131, SG44420134, SG44420135, SG44420139, SG44430100, SG44430101, SG44440100, SG44500103, SG44510103 - SG44510107, SG44510124 - SG44510127, US34230023, US34230024, US34230127, US34230198, US34230209, US34230214, US34230302, US34230378, US34230680, US34230684, US34230732, US34240018, US34240088, US34240111, US34240132, US34240152, US34240191, US34240264, US34240266, US34240379, US34240382, US34240477, US34240506, US34240518, US34240533, US34240560, US34240659, US34240733, US34240741, US37280181, US37280187, US37280200, US38240114, US38240136, US38240140 - US38240142, US38240145, US38240148, US38240199, US38240216, US38240231, US38240234, US38240257, US38240258, US38240286, US38240420, US38240440, US38240547, US38240616, US40280134, US40280176, US40280179, US40300101, US40300102, US40300109, US40300111

IPC Serial Numbers: SG03100101 - SG03100763

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: **MODIFICATION RECOMMENDED**			
ACTION CATEGORY:	AGREEABLE TIME	STANDARDS: LABOR: 1 hr	
LOCATION CATEGORY:	ON-SITE	SERVICE INVENTORY: SEE TEXT	USED PARTS: SEE TEXT
AVAILABILITY:	End of Support	AGILENT RESPONSIBLE UNTIL: End of Support	
AUTHOR: Chee Ben Lim PRODUCT LINE: 80 ADDITIONAL INFORMATION: The 8121-1443 is orderable through SPD (Service Parts Delivery) at 1-800-816-8650. Reference the service note number in the activity description field of the SR (Service Request)			

Agilent Technologies

March 10, 2006

Potential Involuntary Shutdown of Specific Testhead Controllers

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
8121-1443	ATX Power Cable with Load Resistor	1

Situation:
Agilent Technologies has identified possible involuntary shutdown of the 3070 Testhead controller due to a deviation in the power supply's over-voltage protection. This occurs rarely on the said Industrial PCs (IPCs) running on Microsoft Windows 2000 operating system. However, the frequency of the problems increases with the adoption of Microsoft Windows XP. To ensure that our customers do not run into unnecessary disruption during the course of their work, we are recommending and offering a solution**.**

Note: A Software migration from Win2000 to Windows XP is scheduled for release around the May 2006 time frame. Since Windows XP increases the likelihood of the IPC shutdown problem this Service Note should be completed before May 1, 2006.

Solution/Action:

1. Shutdown the 3070 using the standard operating procedures.
2. Lock Out / Tag Out the 3070 by locking the mains disconnect device in the "off" position" before proceeding with this procedure.
3. Remove the IPC from the 3070 Testhead POD.
4. Place on the IPC on a work surface as shown in figure 1.

Figure 1

5. Remove the cover by loosening the two screws which are shown in figure 2 and 3.

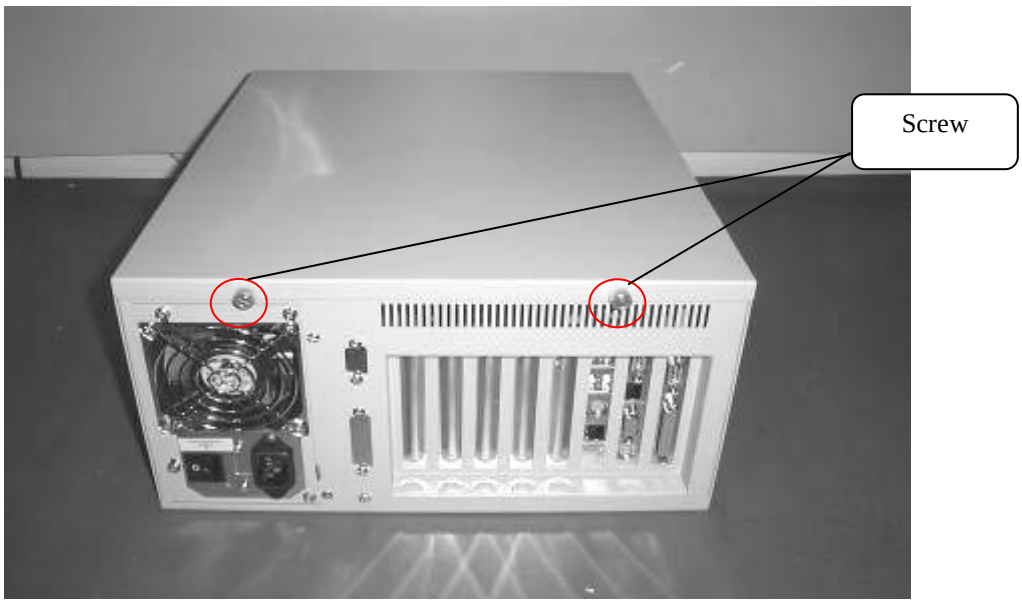

Figure 2

Figure 3

6. Position the IPC as shown in figure 4.

Figure 4

7. Unplug the ATX Power Connector from the Connector ATX1 on the backplane as shown in figures 5 and 6.

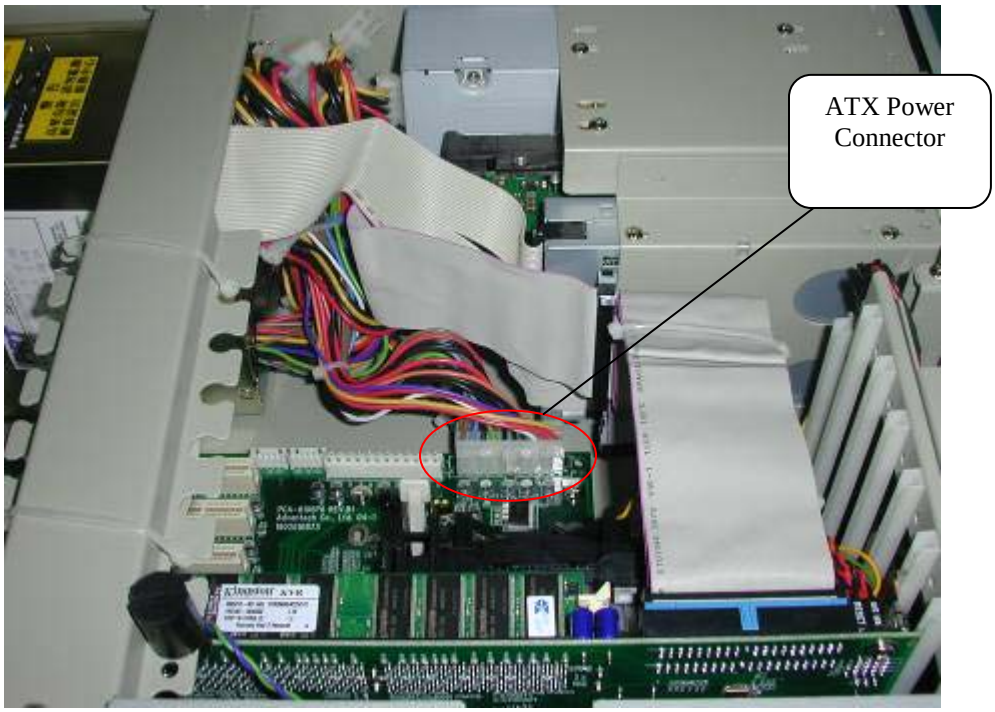

Figure 5

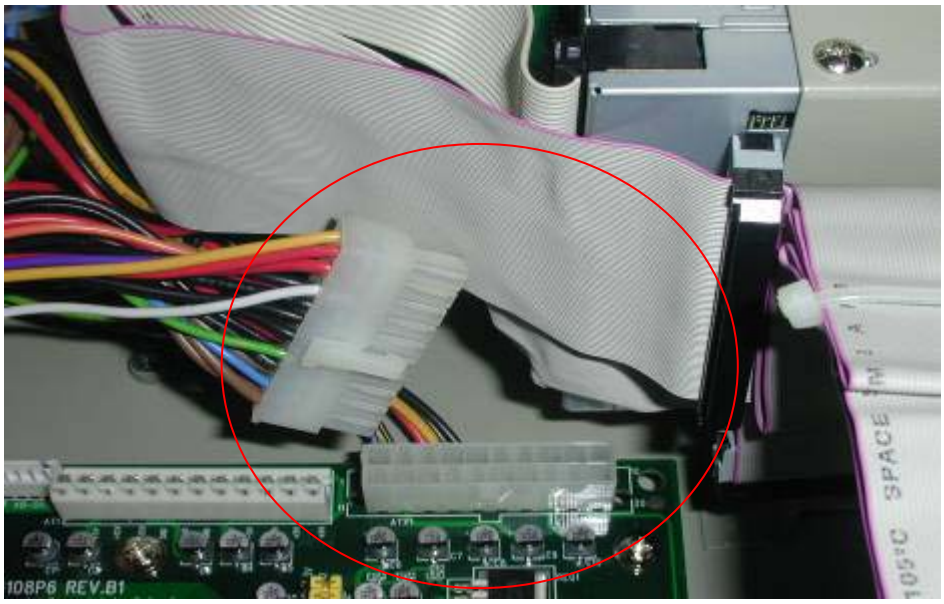

Figure 6

8. The Extension ATX Power Cable with Load Resistor is shown in figure 7.

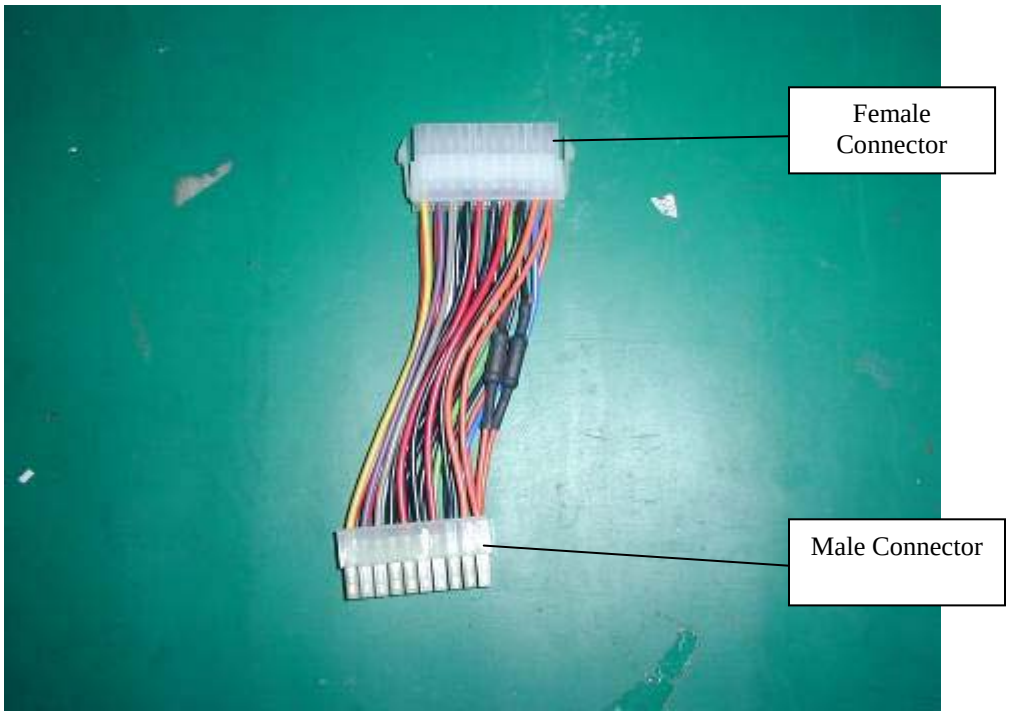

Figure 7

9. Connect the Female Connector of the Extension ATX Power Cable with Load Resistor to the unplugged ATX Power Connector as shown in figure 8 and 9.

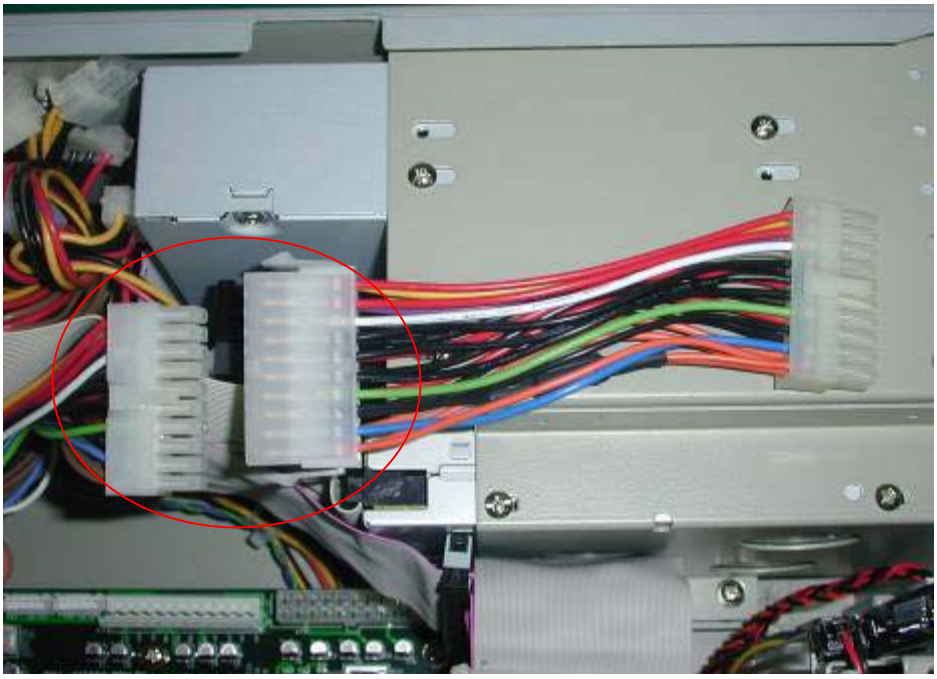

Figure 8

Figure 9

10. Next, connect the Male Connector of the Extension ATX Power Cable with Load Resistor back to the Connector ATX1 on the backplane as shown in figure 10.

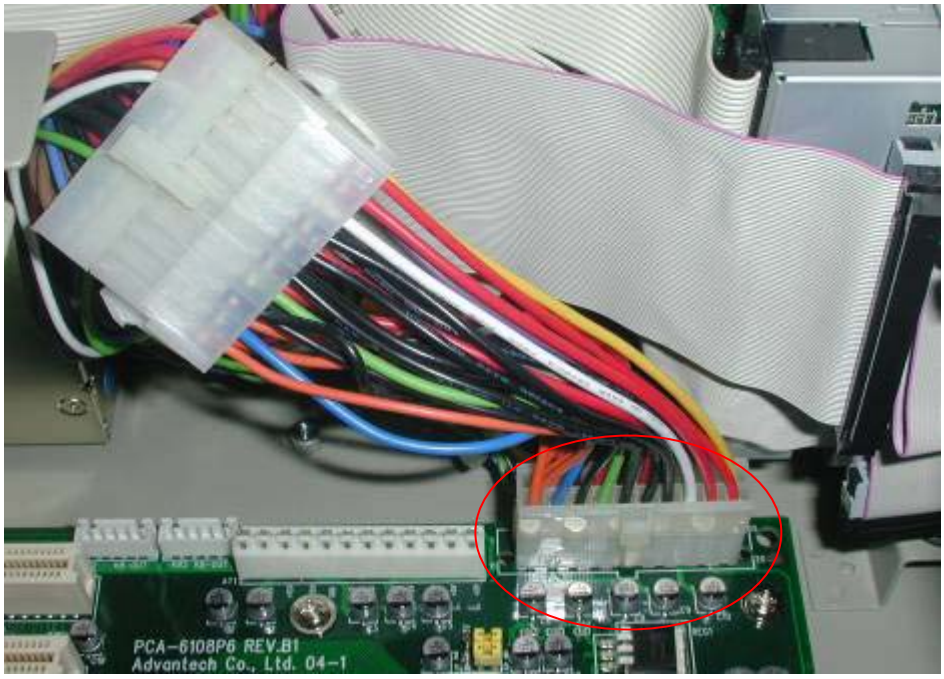

Figure 10

11. Close back the cover and tighten the two screws.
12. Install the IPC in the 3070 POD.
13. Remove any “Lock Out / Tag Out” devices before proceeding.
14. Start up the 3070 using standard operating procedure.