

S E R V I C E N O T E

SUPERSEDES: None

**E9070A High Speed Memory Test System**

Serial Numbers: 0000A00000 / 9999Z99999

**New Split I/O Relay Modules and Pin Electronics Boards**

To Be Performed By: Agilent-Qualified Personnel

AFFECTED ASSEMBLY INFORMATION

E7021CB INCREMENTAL EXHIBITION DTML

E6996-69512 Rel Module Exch. (GORE Interim chgd to GORE by CSTD)  
 E6996-68512 Rel Module Repl. (GORE Interim chgd to GORE by CSTD)  
 E6996-66412 Rel Module DTML (GORE Interim chgd to GORE by CSTD)

E6996-69514 Rel Module Exch. (3M)  
 E6996-68514 Rel Module Repl. SPIO (3M)  
 E6996-66414 Rel Module Split (3M)

E6996-66620 AY CHAN SPIO 16CH (3M)  
 E9072-68620 AY CHAN SPIO 16CH (GORE)

*Continued*

DATE: December 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		<b>MODIFICATION AVAILABLE</b>
ACTION CATEGORY:	<b>AGREEABLE TIME</b>	<input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL:
AUTHOR: LS	ENTITY: 025Y	ADDITIONAL INFORMATION: 95000 Service Guide E9070-91004



**Parts Required:**

<u>Old P/N</u>	<u>New P/N</u>	<u>Description</u>
E6996-68512	E9072-68512	RELAY BD,REPL (GORE)
E6996-68514	E9072-68514	RELAY BD,REPL (3M)
E9072-68620	E9072-68621	PE CARD ASSY,REPL (GORE)
No Old P/N Set up	E9072-68622	PE CARD ASSY,REPL (3M)
E6996-69512	E9072-69512	RELAY BD,RBLT (GORE)
E6996-69514	E9072-69514	RELAY BD,RBLT (3M)
E9072-69620	E9072-69621	PE CARD ASSY,RBLT (GORE)
No Old P/N Set up	E9072-69622	PE CARD ASSY,RBLT (3M)

**NOTE:**

The difference between the old P/Ns and the new P/Ns is that the new P/Ns have the 4 input protection resistors (0699-1385, 5.11K ohm) added to pins 6,7,9,10 of U13 on the Relay Module (E6996-66414 and E6996-66412).

**Situation:**

Four input protection resistors (0699-1385, 5.11K ohm) are being added to pins 6,7,9,10 of U13 on the Relay Module (E6996-66414 and E6996-66412) to protect the Relay Module from high current surges caused by the DC/DC Converter. New P/Ns are being set up to ensure that only boards that have the input protection resistors will be used for new products and replacements in the field. Adding these four input protection resistors helps to eliminate quadrant death syndrome (QDS), a random failure that would disable an entire quadrant by damaging the relay modules.

New assemblies operate in old products (ie. backward compatibility). but old assemblies do not operate in new products (ie. forward compatibility).

**Solution/Action:**

Do not implement the input protection resistor fix in the field. CSTD is taking care of the above mentioned rework (adding 4 input protection resistors to the Relay Module). The EDC datecode for the 4 input protection resistor change relay boards is B4043.

Fix on failure in the field. The QDS problem affects some systems, not all. It affects certain quadrants, not all. If it is necessary to replace a Relay Module, ensure that it is replaced with the appropriate Gore or 3M Relay Module that already has the fix implemented. Note that all new replacement boards and exchange boards have been set-up at ATLS.

Return old P/Ns to CSTD for replacements.

**Billing:**

Follow normal warranty or contract billing procedures.