

S E R V I C E N O T E

SUPERSEDES: None

70004A Modular System Display**Serial Numbers:** 3342A02424 / 3342A03456**Exceptions:**

70004A:

3342A03395, 3342A03396, 3342A03411, 3342A03419, 3342A03424,
3342A03435, 3342A03436, 3342A03437, 3342A03439, 3342A03444,
3342A03447, 3342A03449, 3342A03450, 3342A03453**Modification to prevent Modular System Interface Bus (MSIB) Lockup****Duplicate Service Notes:** 70001A-19**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

70004-60048

Situation:

The 70004-60046 MSIB board may cause the system to hang or be slowed. This problem will only appear in systems with multiple mainframes or a mainframe and a 70004A display. When the MSIB locks up, the address may on the 70004A will display a red rectangle and the RPG Knob will have no effect. The problem may also be induced by heavy MSIB traffic. For example, many master modules or reading memory cards over the MSIB external loop.

Continued

DATE: July 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour		
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: July 1997		
AUTHOR: RDS	ENTITY: 5340	ADDITIONAL INFORMATION:			

Solution/Action:

Three changes have been made on the MSIB board to correct the problem:

1. The MSIB Arbiter Integrated Circuit has turned to correct a logic flaw.
2. The Programmable Array Logic (PAL) device has new equations. The new PAL will eliminate the bi-directional capability of the MODRST line. This will prevent modules from asserting an external loop reset.
3. The loop drivers are changing from a 3487 to a 34C87. This will prevent false data from being clocked on to the external loop turning power up.

The above changes are available on the 70001-60111 and the 70004-60048 MSIB boards.