

S E R V I C E N O T E

SUPERSEDES: None

70001A Modular Measurement System Mainframe**Serial Numbers:** 3345A05902 / 3403A06974**Exceptions:**

All Options H10s:

3403A06636, 3403A06643, 3403A06644, 3403A06686, 3403A06693,
 3403A06697, 3403A06701, 3403A06786, 3403A06797, 3403A06804,
 3403A06809, 3403A06814, 3403A06816, 3403A06831, 3403A06832,
 3403A06836, 3403A06853, 3403A06854, 3403A06855, 3403A06858,
 3403A06865, 3403A06870, 3403A06877, 3403A06878, 3403A06884,
 3403A06886, 3403A06890, 3403A06901, 3403A06902, 3403A06903,
 3403A06905, 3403A06907, 3403A06909, 3403A06910, 3403A06911,
 3403A06913, 3403A06914, 3403A06921, 3403A06924, 3403A06925,
 3403A06927, 3403A06931, 3403A06935, 3403A06940, 3403A06943,
 3403A06945, 3403A06946, 3403A06948, 3403A06949, 3403A06950,
 3403A06952, 3403A06953, 3403A06954, 3403A06955, 3403A06956,
 3403A06958, 3403A06958, 3403A06961, 3403A06962, 3403A06963,
 3403A06964, 3403A06965, 3403A06966, 3403A06967,
 3403A06969 thru 340306974

Modification to prevent Modular System Interface Bus (MSIB) Lockup**Duplicate Service Notes:** 70001A-19, 70004A-14*Continued*

DATE: July 1995

ADMINISTRATIVE INFORMATION

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

To Be Performed By: Agilent-Qualified Personnel

Parts Required:
70001-60111

Situation:

The 70001-60105 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.

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.