

S E R V I C E N O T E

SUPERSEDES: None

**E1357A 8 Channel 120 Ohm Strain FET Multiplexer**

**Serial Numbers:** 3035A00101 / 3035A00111

**Modification to prevent high environmental noise from causing random errors and disrupting bus communications.**

**To Be Performed By:** Agilent-Qualified Personnel

**Duplicate Service Notes:**

- E1351A-01
- E1352A-01
- E1353A-01
- E1357A-01
- E1358A-01

**Parts Required:** Jumper Wire (22 gauge or equivalent)

**Situation:**

The E1357A is sometimes susceptible to environmental noise which can initialize RAM improperly and cause random errors.

*Continued*

DATE: 01 June 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.5 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: KD	ENTITY: 0900	AGILENT RESPONSIBLE UNTIL: June 1993	
		ADDITIONAL INFORMATION: Internal reference PCO 09-28409	

One symptom is an invalid “busy” state, disrupting normal bus communications. This may cause error messages such as “IRQ SWITCH SET WRONG” or “FAILS ‘BUSY’ TEST”.

**Solution/Action:**

To prevent the above condition from causing a problem, ground the enable line on U3 as follows:

**CAUTION:**

The E1357A contains static-sensitive devices. Use an approved ESD safe workstation for this modification!

On the circuit side of the E1351-26501 board, using a jumper wire, connect pin 7 of U3 to pin 14 of U3 (circuit ground).