

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E5023A-02

S E R V I C E N O T E

Supersedes:
None

E5023A Hard Disk Read/Write Test System

Serial Numbers: **JP1KJ00100/JP1KJ00140** (System Serial Number)

No write signal output from the E5043A Head Amplifier Control Unit

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
E5043-69002	Head Amp Control Unit	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 1 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR:	YH	AGILENT RESPONSIBLE UNTIL:	Nov 2004
ADDITIONAL INFORMATION:			

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Situation:

If the write signal lines are made short to the ground, the write output circuit in the E5043A may be broken and the write signal no longer output.

The write signal line is through the pads on the connection board. Since the pads are bare, the short tends to occur on this portion by the cassette and the other reason.

The system with the specified serial number has the hard ware revision A of the E5043A. (There is no label on the revision A, on the other hand, the label of revision B is located at the next to the serial number label.). The revision A has no protection for the short circuit.

Solution/Action:

Replace it with the revision B of the E5043A (E5043-69001). The protection circuit has been added at revision B. Even if the write signal line was shorted, the shutdown operation is activated and the output circuit is protected.

GTSL already has stock ones of the revision B. The defective module should be returned to GTSL as the normal exchange program.