S E R V I C E   N O T E

SUPERSEDES: None

E1300A B-Size VXIbus Mainframe

Serial Numbers: 3034A00672 / 3034A00787

A2 Controller Assembly: (E1300-66502 / E1300-66505)

Modification to eliminate possible RAM memory loss and maintain battery standby voltage above +4.5V.

Situation:
The switching circuitry on the controller board for the standby power supply could result in glitches on the 5v standby power supply. Load conditions could exist such that this voltage would drop below 4.5V in the standby mode. This drop in voltage could be noticed by customers in the form of the clock not updating properly.

This problem may exist on E1300-66502 or E1300-66505 controller boards with engineering revision codes equal to or greater than 3129, but less than 3146. The problem has only been evident on controller boards with 2Mbyte of RAM.

Solution/Action:
The standby switching circuit of the E1300-66502/E1300-66505 has been modified to a transistor switch from a diode switch. This will maintain the voltage from the +5 voltage supply above +4.5V under all load conditions.

Continued

DATE: 07 January 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor			
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: 01 January 1994			
AUTHOR: GWP	ENTITY: 0900	ADDITIONAL INFORMATION: Internal reference PCO 09-28636			

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If the customer's mainframe is exhibiting problems due to these glitches from the stand-by supply, the E1300-69502 exchange assembly should be ordered to replace the unit. If replacing an E1300-66505, remember to remove the IBASIC ROMs and transfer them to the exchange assembly. A test program to verify the problem follows:

```
10      S=80900
20      LOOP
30        OUTPUT Sl;"syst:time?"
40        ENTER S;A$
50        PRINT A$
60      END LOOP
70      END
```

Controllers with the problem discussed above will give one time reading and will not continually update it.