

S E R V I C E N O T E

SUPERSEDES: None

**HP 5382A Frequency Counter**

**Service replacement of 1820-0633 and 1820-0634**

**Serial Numbers:** 0000A00000 / 2108A08138

**Duplicate Service Notes:** 5383A-06

**To Be Performed By:** Customer/HP Qualified Personnel

**Parts Required:**

**For 1820-0633 replacement:**

HP Part No.	Qty.	Description
1820-2318	1	IC Dig Time Base
1251-1556	1	Minisert, Contact Pin
0683-1055	1	Resistor, 1mOhm
1200-0473	1	Socket-IC 16-Cont Dip Sldr

*Continued*

DATE: 23 May 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: 2.0 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: Amy lms	ENTITY: 0200	RESPONSIBLE UNTIL:	May 1994
		ADDITIONAL INFORMATION:	

**For 1820-0634 replacement:**

<b>HP Part No.</b>	<b>Qty.</b>	<b>Description</b>
1820-2316	1	IC Dig Hex Dec
1200-0473	1	Socket-IC 16-Cont Dip Sldr

**Tools Required:**

Soldering iron, solder  
Needle-nosed pliers  
Jumper wire

The 1820-0633 (A1U4) and 1820-0634 (A1U14) on the 05382-60004 Bd Ay-Main have been obsoleted. The recommended replacement parts are 1820-2318 (A1U4 and 1820-2316 (A1U14), however the following modifications are required:

**For service replacement of the 1820-0633 with 1820-2318 on the 05383-60001 or -60003:**

1. Using the soldering iron, remove A1U11 (1820-0633) and solder a 16 pin socket (1200-0473) into the motherboard location of A1U11.
2. Install a contact pin (1251-1556) at the ground end of C12 on the A1 assembly.
3. Using jumper wire, connect A1U4 pins 2 and 15 to ground at C12.
4. Desolder R18 (0683-1035) and replace it with (0683-1055).

**For service replacement of the 1820-0634 with 1820-2316 on A1 Series 2108 and below:**

1. Using the soldering iron, remove A1U14 and solder a 16 pin socket (1200-0473) into the motherboard location of A1U14.
2. Break the -14V trace at A1U14 and solder a jumper wire from pins A1U14 (3) to A1U14(5).