

8591E-15E

## HP 8590 E/C/L/Q Series Spectrum Analyzers

## Serial Numbers:

HP 8590L-10E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8592L-08E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8594L-01C: 0000A00000 / 3829A00100  
HP 8591C-12D: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8591E-15E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8593E-16E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8594E-15E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8595E-15E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8596E-15E: 0000A00000 / 9999A99999  
0000U00000 / 9999U99999  
HP 8594Q-01C: 0000U00000 / 9999U99999

Y2K Update Information. These products are officially Certified Y2K Compliant with User-performed Adjustment. There is NO upgrade path for Y2K compliancy.

## Duplicate Service Notes:

8591C-12E  
8593E-16E  
8594E-15E  
8595E-15E  
8596E-15E  
8590L-10E  
8592L-08E  
8594L-01C  
8594Q-01C

## To Be Performed By:

Customer or HP-Qualified Personnel for partial fix.

## Situation:

All HP 8590 E/L/C/Q series of instruments are Year 2000 compliant with user-performed adjustment. When using a DLP or remote program the use of the TIMEDATE and/or ONTIME commands can cause problems when bridging a measurement between the 20th and 21st century.

HP 8590L-10E: 0000A00000 / 3829A02103  
0000U00000 / 3829U00770  
HP 8592L-08E: 0000A00000 / 3829A01215  
0000U00000 / 3829U00441  
HP 8594L-01E: 0000A00000 / 3829A00100  
HP 8591C-12E: 0000A00000 / 3829A02630  
0000U00000 / 3829U00669  
HP 8591E-15E: 0000A00000 / 3829A07040  
0000U00000 / 3829U02439  
HP 8593E-16E: 0000A00000 / 3829A03596

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0000U00000 / 3829U02051
HP 8594E-15E: 0000A00000 / 3810A06032
0000U00000 / 3829U03968
HP 8595E-15E: 0000A00000 / 3829A03422
0000U00000 / 3829U01058
HP 8596E-15E: 0000A00000 / 3826A01269
0000U00000 / 3829U00654
HP 8594Q-01C: 0000U00000 / 3999U99999

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The above serial number ranges require an adjustment only if using the TIMEDATE and/or ONTIME commands while bridging a timed measurement from the 20th to the 21st century.

All other serial numbers require an adjustment only if using the TIMEDATE command while bridging a timed measurement from the 20th to the 21st century.

If using the TIMEDATE command and returning a value to your computer, that value will not include century information and will not be correct. This will be an issue if the incorrect value is used in another part of your program.

Using the ONTIME command to schedule an event in the year 2000 prior to the year 2000 will cause an immediate execution instead of an execution at the time designated.

#### Solution / Action:

TIMEDATE: (applies to all firmware datecodes) To get the TIMEDATE command to return CCYYMMDDHHMMSS information (with the necessary century information included), perform the following:

- \*Add 2000000000000000 to values <880101000000
- \*Add 1900000000000000 to values >=880101000000

ONTIME: (applies to firmware datecodes <=950914) Once the year 2000 is reached, all ONTIME events will work correctly. If it is necessary to schedule an ONTIME event in the year 2000 before the year 2000 has arrived you have two options.

- 1) Adjust the internal realtime clock forward or backward so that the measurement is scheduled in either the 20th or 21st century.
- 2) Customer can purchase and install firmware kit HP part number 08590-60415. This will fix the ONTIME issue, but TIMEDATE will still require adjustment.

#### Example:

If you want to execute a timed measurement using a downloadable program or the ONTIME remote command on January 1st, 2000 and you execute the command on December 31st, 1999, the event will execute immediately. Adjust the internal realtime instrument clock so that the measurement is scheduled within the year 1999 or within the year 2000. Do not schedule an event in 1999 that is to take place in the year 2000.

#### Date:

08 Mar 1999

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*                INFORMATION ONLY                *
*                -----                          *
*                *                                *
* AUTHOR/ENTITY:  ___Brad Dunk/5320_____        *
* ADDITIONAL INFO: ___None_____                 *
*                *                                *
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