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 20000000000000 to values <880101000000
*Add 19000000000000 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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HP has made every effort to ensure the accuracy of our product
testing. However, because each customer's environment is different from
HP's laboratory test environment, it is the customer's responsibility
to validate the Year 2000 readiness of these products in their own
environment. Therefore, information about the Year 2000 status of
HP products is provided "as is" without warranties of any kind and is
subject to change without notice. HP makes no representation or warranty
respecting the accuracy or reliability of information about non-HP
products. Such information, if any, was provided by the manufacturers
of those products and customers are urged to contact the manufacturer
directly to verify Year 2000 readiness. The information provided here
constitutes a Year 2000 Readiness Disclosure for purposes of the Year
2000 Information and Readiness Disclosure Act.