

HP 5060A Cesium Beam Frequency Standard
Serial Prefixed 708 & below

Changing Transistors in Phase Detector Module A8
(05060-6010)

When changing Transistors A8Q1, Q2 or Q3 in the Phase Detector Module, Capacitor A8C5 should be changed from 47 pf to a 5pf 10% 500 vdcw mica capacitor (HP Part No. 0140-0209).

When Transistor A8Q6 or A8Q7 is changed, the following revisions should be made:

Change A8R24 from 47K to 24K, 2%, 1/8W., Metal Film
(HP Part No. 0757-0957).

Change A8C12 and C14 from 39 pf to 20 pf, 5%, 500 vdcw
Capacitors (HP Part No. 0160-0370).

Recently manufactured Transistors have a higher f. This can cause high frequency oscillations when installed in some circuits. The above modifications will eliminate these oscillations and have been included in all instruments with serial numbers prefixed 712- or greater.

After installation of these new components, the schematic diagram and table of replacement parts should be changed to show the new part numbers.

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