

July 30, 1966

 5060A Cesium Beam Frequency Standard
Serial numbers -00140 and below

Replacement of A1Q1, A1Q17, or A1T5 in Synthesizer Assembly (05060-6026)
with Series Number 532 or below

The  part number 1854-0073 is recommended as the replacement
for transistor A1Q1 and A1Q17 in the A1 Synthesizer Assembly (05060-6026)
series number 532 or below.

When A1Q1 is replaced, Resistor A1R7 should be changed to 510
ohm, fixed, metal film, 2%, 1/8 W (0757-0917). When A1Q17 is replaced,
Resistor A1R88 should be changed to 680 ohms, fixed metal film, 2%, 1/8 W
(0757-0920). This change should be made only where the original transistor
fails. Assemblies with series number 536 and above have these changes.

If the Mixer Output Transformer A1T5 (05060-6045) must be replaced
in a Synthesizer Assembly with Series 512 or below, the emitter resistor
A1R27 of A1Q5 should be changed to 56 ohm, fixed metal film, 2%, 1/8 W
(0757-0894). The replacement transformer has a lower Q than the original.

The gain of A1Q5 is increased to compensate for this lower Q
by using a lower value emitter resistor. Assemblies with series number 532
or above have this change.



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