

S E R V I C E N O T E

SUPERSEDES:
8671B-1

HP MODEL 8671B SYNTHESIZED SIGNAL GENERATOR

All Serials

ELIMINATING POWER-UP DELAY

If during normal turn-on of the instrument it is found that there is a 4 second or greater time delay during power-up, it is recommended that the resistor R4 be changed from a value of 619 ohms to 750 ohms (part number 0757-0420). Changing the value of R4 on the 86701-60096 Positive Regulator will eliminate the power-up delay associated with the current limit circuitry on the +20V regulator.

The delayed power-up is usually caused by the series pass transistor (A3Q3) on the +20V regulator. A higher than normal base to emitter voltage causes the current limit circuit to clamp the regulated +20V momentarily low when the instrument is cold.

Changing the value of R4 from 619 ohms to 750 ohms increases the the turn-on threshold of the current limit circuit from 3A to 4A, which is still well below the maximum current rating of the pass transistor A3Q3.

E/OF/WN

12/87-04/DS