

HP MODEL 8690A SERIES SWEEP OSCILLATORS

Serials Below 641-00261

A modification of the circuit wiring of 8690A Sweep Oscillators, serials below 641-00261, is required for compatibility of these instruments with RF Units with Serial Prefix 724- and above. After modification, the 8690A is compatible with all RF Units.

Procedure:

1. Disconnect power. Remove top cover and RF Unit, if installed.
2. Disconnect White-Yellow-Green wire from the top of the "Mother Board A7 Assembly" in the 8690A. Clip this wire off where it enters the cable harness. Tape the cut end of the cable.
3. In the cable harness below J12, locate White-Brown-Yellow wire. Cut out about one inch section of this wire between adjacent turns of the cable harness lacing. Tape the cut ends of the cable.
4. Replace top cover of 8690A.

A modification of the wiring of 8690-series RF Units will ensure low resistance contacts for the ALC interconnections between the RF Unit and the Sweep Oscillator.

1. Connect two short jumpers on the 32-pin connector, P12.
 - a. Connect one jumper from Pin 16 to Pin 10 of P12.
 - b. Connect the second jumper from Pin 32 to Pin 26 of P12.
2. Replace the RF Unit in the 8690A Sweep Oscillator.

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