

SUPERSEDES:

None

HP MODEL 8690A/B SWEEP OSCILLATORS

All Serials

RECOMMENDED REPLACEMENT FOR

8690A: A3V4, A4V1, A4V2, A4V4

8690B: A4V1, A4V2, A4V4

The recommended replacement for A4V1 and A4V4 in Model 8690A/B Sweep Oscillators, all serials, and for A3V4 in Model 8690A, all serials, is HP Part Number 1932-0049. This part number formerly specified a CK647 type tube; it now specifies a 6201 type tube. The 6201 tube is a direct replacement for the CK647 tube used in the 8690A/B Helix Amplifiers and the 8690A Reciprocal Amplifiers.

The recommended replacement for A4V2 in Model 8690A/B Sweep Oscillators, all serials, is a 12AY7, HP Part Number 1932-0067. This new tube is less noisy and improves residual FM characteristics.

After any of these tubes are changed perform the Adjustment Procedures given in the Maintenance section of your Operating and Service Manual. When performing the Marker Calibration-Low End adjustment you may find that the factory selected resistors A11R1 and A11R7 require changing. Their nominal value is 4.75 K Ω , HP Part Number 0757-0437.

Make the necessary changes to the schematics and parts list in your manual to show these new parts.

JD/mh/wo

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