

Supersedes:

None

HP MODEL 1710A OSCILLOSCOPES

All Serial Prefixes

Modification to change Synchronized Chop Mode to a
Free-running Chop Mode

This modification changes the standard 1710A synchronized chopper to a free-running chopper, for those users who prefer this. When this modification is installed, the use of HF REJECT may be necessary to minimize sweep triggering on chop transients.

Parts required are:

- 2 each HP Part No. 0757-0441, 825 Ω met film, 1/8 W, 1%
- 1 each HP Part No. 1901-0040, diode, silicon

NOTE

References to schematics and figures apply only to the 1710A Operating and Service Manual dated April 1973, HP Part No. 01710-90903.

Install the modification as follows:

1. Locate A8A4R6 (see Schematic 19 and Figure 8-36) and change to 825 Ω .
2. Locate the junction of A7A3C35 - A7A3R162 (see Schematic 8 and Figure 8-14). Between this junction, and pin 1 of A7A3U1 (pin 4 of J1) add an 825 Ω resistor and diode (connected in series, with cathode of diode towards A7A3U1 pin 1).
3. Make necessary changes and additions to parts list and schematics.
4. No re-calibration is necessary.

DB/mh/WN

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