

SUPERSEDES:

None

HP MODEL 8444A OPTION 059 TRACKING GENERATOR

**Serial Prefix 2103A and Below
Except for the Following Serial Numbers
03900, 03982, 03985, 03986, 03987,
03991, 03992, 03995, 03996, 03997,
04002, 04006, 04007, 04008, 04009, 04010**

**DEGRADED FREQUENCY RESPONSE PERFORMANCE FOR
SWEEP TIMES LESS THAN 5 MSEC/DIV**

The frequency response characteristics of the HP 8444A Option 059 Tracking Generator (listed in Table E-2 of the HP 8444A Tracking Generator Operation and Service Manual, HP Part Number 08444-90035) applies for sweep times greater than or equal to 5 msec/div. For faster sweep times (2 msec, etc.), the frequency response becomes significantly degraded ($> \pm 10$ dB).

To improve the frequency response, a new second converter (HP Part Number 08444-60046) and an Isolator Modification Kit (HP Part Number 08444-60045) should be installed.

The installation procedure is as follows:

1. Set line switch off. Disconnect power cord, and remove HP 8444A top and bottom covers.
2. Remove Isolator AT2 (see Figure 1) using following procedure:
 - a. Using a pozidrive screwdriver, remove 3 pozidrive screws that secure the Isolator to main deck (remove from underside of deck).
 - b. Using a 5/16-inch open-ended wrench, disconnect W4 from AT2J2 and W3 from AT2J1.
3. Connect new Isolator (HP Part Number 0960-0084) to Isolator Bracket using 3 pozidrive screws removed in step 2a. (Make sure J1 and J2 designations align with connectors on Isolator.)
4. Place AT2 Isolator underneath new Isolator in bracket.

E/OF/WO

3/82-53/DDC



FOR MORE INFORMATION, CALL YOUR LOCAL HP SALES OR SERVICE OFFICE or East (201) 265-5000 • Midwest (312) 255-9800 • South (404) 955-1500 • West (213) 970-7500 or (415) 968-9200; **OR WRITE**, Hewlett-Packard, 1501 Page Mill Road, Palo Alto, California 94304. **IN EUROPE, CALL YOUR LOCAL HP SALES or SERVICE OFFICE OR WRITE**, Hewlett-Packard S.A., 7, rue du Bois-du-Lan, P.O. Box, CH-1217 MEYRIN 2 - Geneva, Switzerland. **IN JAPAN**, Yokogawa-Hewlett-Packard Ltd., 9-1, Takakura-cho, Hachioji-shi, Tokyo, Japan 192.

5. Using a 5/16-inch open-ended wrench, connect AT2 input connector (AT2J1) to W3, and output connector (AT2J2) to W4.
6. Using three 440 pozidrive screws (HP Part Number 2200-0105), attach bracket and Isolator to main deck (attach from underside of main deck).
7. Using a 15/64-inch open-ended wrench, remove W9 from A5 First Converter and A6 Mixer Assembly.
8. Connect rigid coax cable (HP Part Number 08444-20043) to AT5J1 and A5J3.
9. Before connecting rigid coax cable between AT5J2 and A6J2, replace A6 assembly (HP Part Number 08444-60004) with new A6 assembly (HP Part Number 08444-60046).
10. Connect rigid coax cable (HP Part Number 08444-60044) between AT5J2 and A6J2.

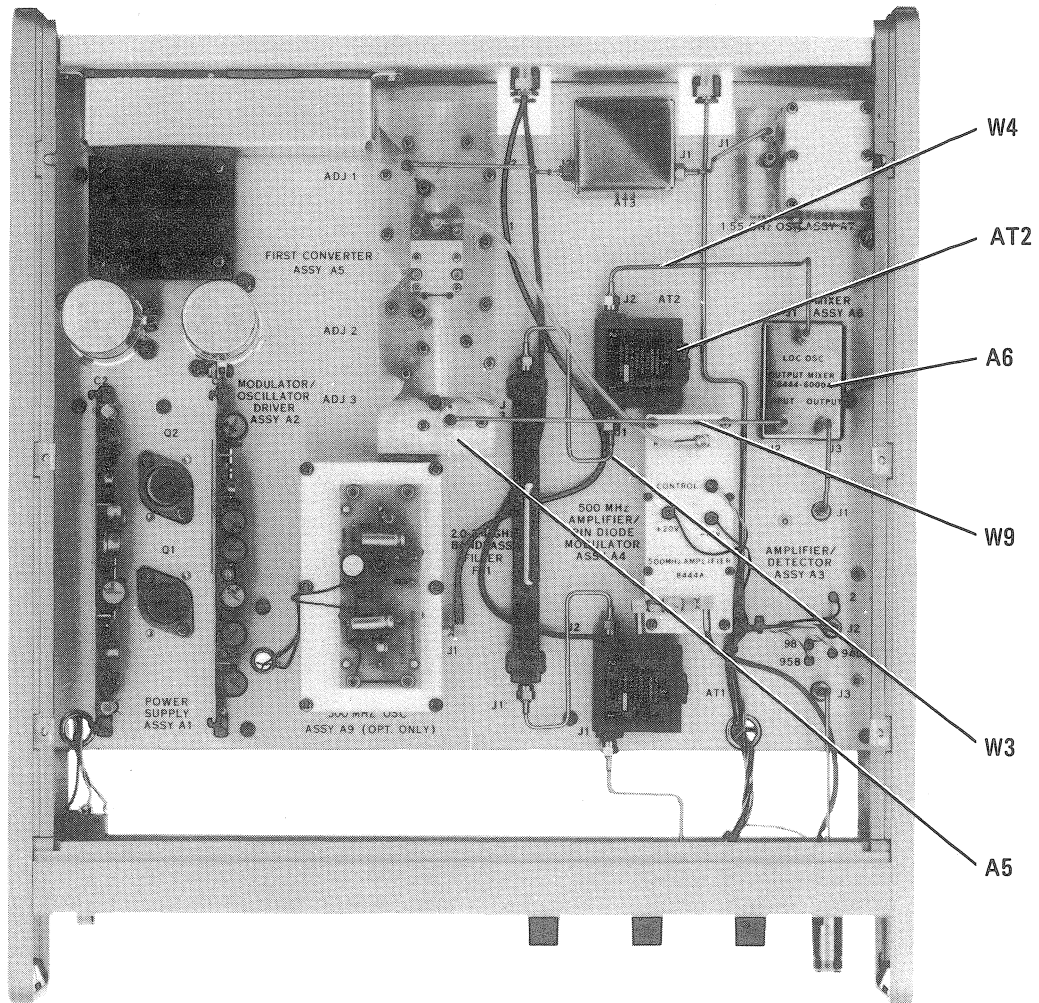


Figure 1. HP Model 8444A Option 059 Tracking Generator

