

Supersedes:

None

HP MODEL 8569B SPECTRUM ANALYZERS**Serial Prefix 2326A and Above****OPTION 003 RETROFIT KIT**

A Service Kit, HP Part Number 08569-60106, CD = 1, has been set up to retrofit 8569B Spectrum Analyzers with Option 003, High Power First L.O. Output for use with external mixers. The kit contains the L.O. Amplifier/Attenuator assembly, RF cable, and necessary mounting hardware.

The procedure for installing this kit is as follows:

1. Remove top, bottom, and the side cover next to the CRT.
2. Disconnect First L.O. Output Cable W20 from Front Panel First L.O. Output Cable W42, then remove the Amplifier Bracket with the First L.O. output connector.
3. Disconnect cable W42 from the output connector and discard this cable.
4. Cut two lengths of wire coded 912 (supplied) to connect the three feedthrough pins on the amplifier, routing one of the wires across the amplifier on the side away from the threaded mounting holes. Solder these to the pins using an iron grounded to the amplifier housing.
5. Connect the attenuator to the amplifier output, and the Pad-Front Panel Cable W43 between the output connector and the attenuator so that the amplifier may then be mounted to the Amplifier Bracket.

NOTE

THE ATTENUATOR AND AMPLIFIER ARE FACTORY MATCHED TO ENSURE THAT THE OUTPUT POWER WILL BE WITHIN SPECIFICATIONS.

E/WN

2/84-53/MH

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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, 1820 Embarcadero, Palo Alto, California 94303. **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., 1-27-15, Yabe Sagami-hara City, Kanagawa Prefecture, Japan 229.

6. Mount the bracket back on the instrument and connect L.O. Output Cable W20 to the input of the attenuator.
7. Remove three screws securing Power Supply Assembly A10: one goes through the side casting next to C15, one near the base of C7, and one through the heat sink adjacent to Q2. Loosen the two screws at the rear of the A40 assembly. After lifting the power supply (hinging on the loosened screws), tighten the outer screw to prevent the power supply from accidentally flipping down.
8. Using an iron grounded to the instrument chassis, carefully unsolder the centermost wire coded 912 (+5.2V) from the back of Display Motherboard A10, and solder the terminal pin (supplied) in its place. Cut the terminal pin so it protrudes about .25 inches (.30 inches maximum) from the Display Motherboard, to prevent shorting against the power supply subchassis.
9. Solder two wires coded 912 (one just removed and the remaining length supplied with the kit) to this terminal. Dress the free end of the wire coded 912 along the center rail toward the front of the instrument. Reassemble the Power Supply Assembly.
10. Keeping the free end of wire coded 912 from shorting to anything, connect the line cord, turn the 8569B on, and observe LED A40A2DS6 (+5.2V) to verify that the supply is not shorted out. Turn off the 8569B and disconnect the line cord.
11. Solder the wire coded 912 to one of the L.O. Amplifier feedthrough pins. Reassemble the instrument covers.
12. Utilizing Performance Test 4-27, FIRST LO OUTPUT POWER, OPTION 003 and 013, check the operation of the L.O. amplifier.

This completes the modification.