

# 3787B-12

## S E R V I C E N O T E

SUPERSEDES: None

### HP 3787B Digital Data Test Set

**Serial Numbers:** 3019U00939 / 9999U99999

### Option 003 (Voice Channel Output) Retrofit

**Situation:**

This service note provides all information required to retrofit Option 003 (Voice Channel Output) to any HP 3787B within the above serial range. It is recommended that the retrofit be performed at a Hewlett-Packard Service Center.

Refer to the HP 3787B Operating/Service Manual or latest Data Sheet for a full description and specifications of Option 003.

**Solution/Action:**

To carry out this retrofit, order the parts in the table below:

HP Part No.	Description	Qty.
03787-60044	Codec Board Assembly	1
03787-60090	Loudspeaker Cable Assembly	1
03787-60091	Codec Cable Assembly	1
9164-0294	Loudspeaker	1
2100-4285	Potentiometer 1Kohm	1
0370-2623	Knob for above	1
0361-0656	Plastic Rivet	4

*Continued*

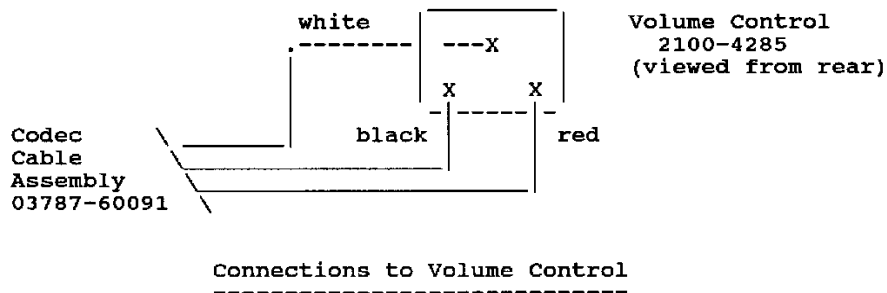
DATE: 31 January 1992

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>MODIFICATION AVAILABLE</b>		
ACTION CATEGORY:	AGREEABLE TIME	<input checked="" type="checkbox"/> PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	AVAILABLE UNTIL: During Support Life
AUTHOR: GCH	ENTITY: 1400	ADDITIONAL INFORMATION:

**Retrofit Procedure**

1. Switch off and remove power cord.
2. Remove rear standoffs and top cover.
3. Undo the 4 screws securing codec assembly 03787-60045.
4. Remove and discard this assembly.
5. Fit the new codec assembly 03787-60044 using the screws from the old assembly.
6. Plug the cable from the main board assembly into 03787-60044 (it fits in the same socket as on 03787-60045).
7. Remove the metal plug from the "VF OUTPUT 600 ohm" port on the rear panel and the "MONITOR VOLUME" port on the front panel.
8. Fit the Weco 310 jack on the codec cable assembly into the "VF OUTPUT 600 ohm" port and tighten the locknut.
9. Solder the 3 wires from the codec cable assembly onto the volume control potentiometer as shown below.
10. Fit the potentiometer into the "MONITOR VOLUME" port and tighten the locknut.
11. Solder the two wires from the loudspeaker cable assembly onto the loudspeaker terminals. Polarity is unimportant.
12. Fit the loudspeaker into the right side panel on HP 3787B using the 4 plastic rivets into the holes provided in the metalwork.
13. Attach the remaining plug from the codec cable assembly into the new codec assembly.
14. Attach the plug from the loudspeaker cable assembly into the new codec assembly.



**Adjustment:**

No adjustment is required after this modification.

**Testing:**

Carry out the operational verification procedure in section 4 of the HP 3787B service manual. Remember to update the manual with the latest change sheet as there is an additional test to verify operation of the voice channel output. Alternatively run the semi-automatic performance test program described in production memo 3787B-1-88.

This completes the modification. The instrument is now ready for use.