

3789B-02A

S E R V I C E N O T E

SUPERSEDES: 3789B-02

HP 3789B DS3 Transmission Test Set

Serial Numbers: 0000U00000 / 9999U99999

Retrofitting options 002 (2nd Measurement) and 003 (2nd Measurement and DS3 Jitter Measurement) to the HP 3789B

Parts Required:

Option 002

03789-60006 2nd Measurement Assembly

Option 003

03789-60006 2nd Measurement Assembly
03789-60013 DS3 Jitter Measurement Assembly
03789-60043 Cable Assembly

Procedure

The instructions for retrofitting option 002 are given first. Retrofitting option 003 is simply an extension of retrofitting option 002.

1. Switch off the HP 3789B and remove the AC Power.
2. Remove the instrument top cover.

Continued

DATE: 08 January 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
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: End of Part Support Life
AUTHOR: JMW	ENTITY: 1400	ADDITIONAL INFORMATION: Labor 1-2 Hours

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3. Remove the PC board securing plate and board guides to allow access to the PC boards.
4. Insert PC board 03789-60006 (A6) into the appropriate color coded slot.
5. Locate the cable assembly coming from the front panel DEMOD JITTER OUT connector. It is tied behind the left hand side of the front panel.
6. Untie the cable assembly and attach the end to A6J2, routing the cable through the slot in the card cage.
7. If option 002 is being fitted then proceed to step 10. If option 003 is being fitted then complete the following.
8. Insert PC board 03789-60013 (A13) into the appropriate color coded slot.
9. Take cable assembly 03789-60043 and connect it between A6J1 and A3J1, routing the cable through the slots in the card cage.
10. Push PC board(s) fully home.
11. Reconnect the AC Power and switch on the HP 3789B.
12. Select Page 16 Self Test on the HP 3789B. Select Function [SHOW MODULES] and check the display indicates that the option is fitted.
13. Select Function [TEST CPU & MEAS] and press the EXEC key.
14. If the Self Test passes then proceed, if it fails refer to Appendix A of the Service manual for troubleshooting information.
15. If option 003 has been fitted then complete the DS3 Jitter Measurement Performance Test in Section 4, Paragraph 4-34 of the Service Manual.
16. If the Performance Test is found to be out of specification refer to the DS3 Jitter adjustments in Section 5, Paragraphs 5-13-1 to 5-13-5 of the Service Manual.
17. When all checks and adjustments are complete replace the board guides, board securing plate and top cover.