

3789B-09A

S E R V I C E N O T E

SUPERSEDES: 3789B-09

HP 3789B DS3 Transmission Test Set

Serial Numbers: 0000U00000 / 9999U99999

Retrofitting Option 200 (BNC Connectors)

To Be Performed By: Customer or HP-Qualified Personnel

Parts Required

HP Part No.	Description	Qty.
03789-20048	Tx Connector Holder (Front Panel)	1
03785-60114	Cable Assembly	7
03780-20148	Washer (flat)	4

Situation

This service note details the parts and instructions required to retrofit option 200 to any standard HP 3789B. This changes the Tx and Rx ports from Weco 560A connectors to BNC connectors.

Modification Instructions:

1. Switch off the HP 3789B and disconnect the AC Power Line.
2. Remove the top two feet at the rear of the instrument.

Continued

DATE: 28 February 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

ENTITY:

ADDITIONAL INFORMATION:

JMW

1400

Labor 1.0 Hour

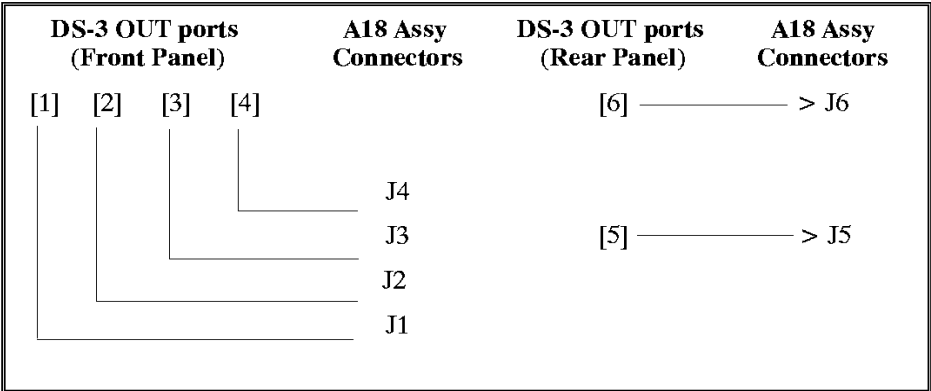
© 1992 HEWLETT-PACKARD COMPANY
PRINTED IN U.S.A.



- 3. Remove the instrument top cover, the PCB assembly cover and plastic trim from the front frame.
- 4. Remove the front panel handles and the screws from the top and bottom of the instrument front frame (except the two screws which secure the power switch).
- 5. Withdraw the front panel.
- 6. Disconnect the four front panel DS-3 OUT cables from the A18 assy and remove the cable assemblies and the connector holder from the front panel.
- 7. Unscrew the existing connector from the DS-3 IN port on the front panel and remove the cable from the A12 assembly.
- 8. On the rear panel unscrew the small sub-panel containing the two rear panel DS-3 OUT ports (retain the screws) and disconnect the cable assemblies from the A18 assembly and remove the sub-panel and attached cable assemblies.
- 9. Fit one of the replacement cable assemblies (03789-60144) to the front panel DS-3 IN port and connect the cable assembly to the A12 at connector J1.
- 10. Connect four of the replacement cable assemblies (03789-60144) to the replacement front panel connector holder (03789-20048). Insert the flat washers (supplied) between the cable connector and the connector holder.
- 11. Fit the remaining two cable assemblies to the existing rear panel connector holder.
- 12. Fit the remaining end of the cable assemblies to the A18 assembly connectors as indicated below.

Note

It is necessary to pass the cables from the rear connector holder through the instrument rear frame.



- 13. Secure the front panel connector holder to the front panel using the nuts provided.
- 14. Secure the rear panel connector holder to the rear panel using the existing screws.
- 15. Refit the front panel by performing steps 1-4 in reverse.

Instrument Verification

16. Reconnect the AC Power Line and switch on the HP 3789B.
 17. Connect the HP 3789B DS-3 OUT port 1 to the DS-3 IN port.
 18. Select display page 1 Preset Panel and recall Panel Memory [0].
 19. Check that the middle led (green) is on at the DS-3 IN port and that the upper and lower leds (yellow) are off.
 20. Also check that the front panel ALARM leds (red) are all off.
 21. Check the remaining DS-3 OUT ports 2-6 by connecting them to the DS-3 IN port and verify steps 19 and 20.
 22. Switch off the HP 3789B and remove the Power Line.
 23. Replace the PCB assembly cover and the instrument top cover.
- End of procedure.