

3789B-04B

S E R V I C E N O T E

SUPERSEDES: 3789B-04A

HP 3789B DS3 Transmission Test Set

Serial Numbers: 0000U00000/2833U00470

Modification to eliminate noise from HP 3789B Input Port

To be performed by: Customer or HP-Qualified Personnel

Parts Required

HP P/N	Description	Designator
0757-0418	619 ohms resistor	A12R34
0757-0398	75 ohms resistor	A12R38
0757-0398	75 ohms resistor	A12R40
0698-3154	4.22 K ohms resistor	A12R42

Situation:

This modification will filter unwanted high frequency noise from the HP 3789B DS3 Input Port by reducing the bandwidth of the input amplifier and raising the decision threshold of the input stage.

Continued

DATE: August 1994

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 checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> HP LOCATION	AVAILABLE UNTIL: August 1996
AUTHOR: GS	ENTITY: 1400	ADDITIONAL INFORMATION:

Modification Instructions:

1. Switch off the HP 3789B and disconnect the AC power Line.
2. Remove the instrument top cover.
3. Remove the A12 Assembly.
4. Remove the following resistors from the A12 Assembly.

A12R34 (909 ohms Part No. 0757-0422)
A12R38 (10 ohms Part No. 0757-0346)
A12R40 (10 ohms Part No. 0757-0346)
A12R42 (3.48 ohms Part No. 0698-3152)

Note

A12R34 is located beneath the topmost metal screening cover.

5. Add the following resistors.
A12R34 (619 ohms Part No. 0757-0418)
A12R38 (75 ohms Part No. 0757-0398)
A12R40 (75 ohms Part No. 0757-0398)
A12R42 (4.22 Kohms Part No. 0698-3154)
6. Replace Assembly A12 and refit the instrument top cover.
7. Reconnect the AC Power Line and switch on the HP 3789B.
8. Connect any HP 3789B DS-3 OUT port to the DS-3 IN port, select Display Page 1. Pre-set Panel; and recall Panel Memory [0].
9. Check the HP 3789B front panel ALARM leds are extinguished.