

# 4934A-11A

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

SUPERSEDES 4934A-11

### HP 4934A Transmission Impairment Measuring Set

**Serial Numbers:** 0000U00000 / 3049U02761

#### Modification to prevent Hold Circuit Failure.

**To Be Performed By:** HP-Qualified Personnel or Customer

#### Parts Required:

HP P/N	Description	Qty
1854-0575	Transistor NPN	2
9170-0607	Ferrite Bead	1

#### Situation:

Under some adverse line conditions failure of the HP 4934A Hold Circuits can occur.

*Continued*

DATE: 15 August 1991

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: KM	ENTITY: 1400	RESPONSIBLE ENTITY: 1400	UNTIL: August 1993
ADDITIONAL INFORMATION:			

**Solution/Action:**

Replacing transistors A3Q450 and A3Q455 with devices of higher rating prevents hold circuit failure.

Fit ferrite bead HP P/N 9170-0607 to the emitter of A3Q450.

**Note:**

Units that have already been modified as per Service Note 4934A-11 should have A3Q450 replaced with a ferrite bead fitted to its emitter.

**Serial Numbers:** 3049U02762/3049U03716

**Parts Required:**

HP P/N	Description	Qty
1854-0575	Transistor NPN	1
9170-0607	Ferrite Bead	1

**Solution/Action:**

Replace A3Q450 with a ferrite bead fitted to its emitter.

To replace A3Q450 and A3Q455 proceed as follows:

1. Access the A3 assembly using the procedure on page 8-4 of the HP 4934A Service Manual.
2. Replace A3Q450 and A3Q455 with new part HP 1854-0575. Fit the ferrite bead to the emitter of A3Q450.
3. Re-assemble the HP 4934A.
4. To test the modification, carry out the Performance Test on page 4-8 of the Service Manual (page 5-11 of the Operating Manual). In addition carry out the performance test detailed in Service Note 4934A-12.