

S E R V I C E N O T E

SUPERSEDES: None

**8517B Test Set**

Serial Numbers: 0000A00000 / 3346A00245

**D.C. Return Upgrade Kit**

To Be Performed By: Agilent-Qualified Personnel

**Duplicate Service Notes:**

- 85110A-01
- 8514A-04
- 8517A-01
- 8514B-01
- 8517B-01
- 8515A-04
- 85110L-01

**Parts Required:**

Part No.	Description
08510-60118	D.C. Return Upgrade Kit

*Continued*

DATE: October 1995

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 1.0 Hour			
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: Product's Support Life		
AUTHOR: JB	ENTITY: 5340	ADDITIONAL INFORMATION:			

**Situation:**

The 8514A/B, 8515A, 8517A/B & 85110A/L test set switch splitter/switch driver generates a pulse each time the switch splitter switches between port 1 and port 2. These pulses get capacitively coupled through the switch splitter and into the 8360 series source. The source ALC loop reacts to the pulses so that the 8360 generates an overmodulation error which gets reported to the 8510C when using the power domain feature included with 8510C rev C.07.00 firmware or greater.

**Solution/Action:**

The overmodulation error can be eliminated by installing the D.C. return upgrade kit part number 08510-60118. The kit contains the necessary parts and instructions to eliminate this possible overmodulation error. This upgrade is only necessary in systems with the following sources:

<b>Source:</b>	<b>Serial Prefix</b>
83620/22/30/50	3245A/9999A
8321/31/51	3139A/9999A