

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**8561EC-04**

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

Supersedes:  
None

## 856xEC Series Portable Spectrum Analyzer

Duplicate Service Notes:

8565EC-04	4120A00556/4123A00640
8564EC-04	4120A00538/4123A00598
8563EC-04	4120A01365/4123A01645
8562EC-04	4120A00563/4123A00710
8561EC-04	4120A00389/4123A00421
8560EC-04	4120A00396/4123A00460

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 1.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT <input type="checkbox"/> SEE TEXT
TEXT		USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL:	
AUTHOR: JC	PRODUCT LINE: [product line]		
ADDITIONAL INFORMATION:			

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February 8, 2002

**To Be Performed By:** Agilent-Qualified Personnel

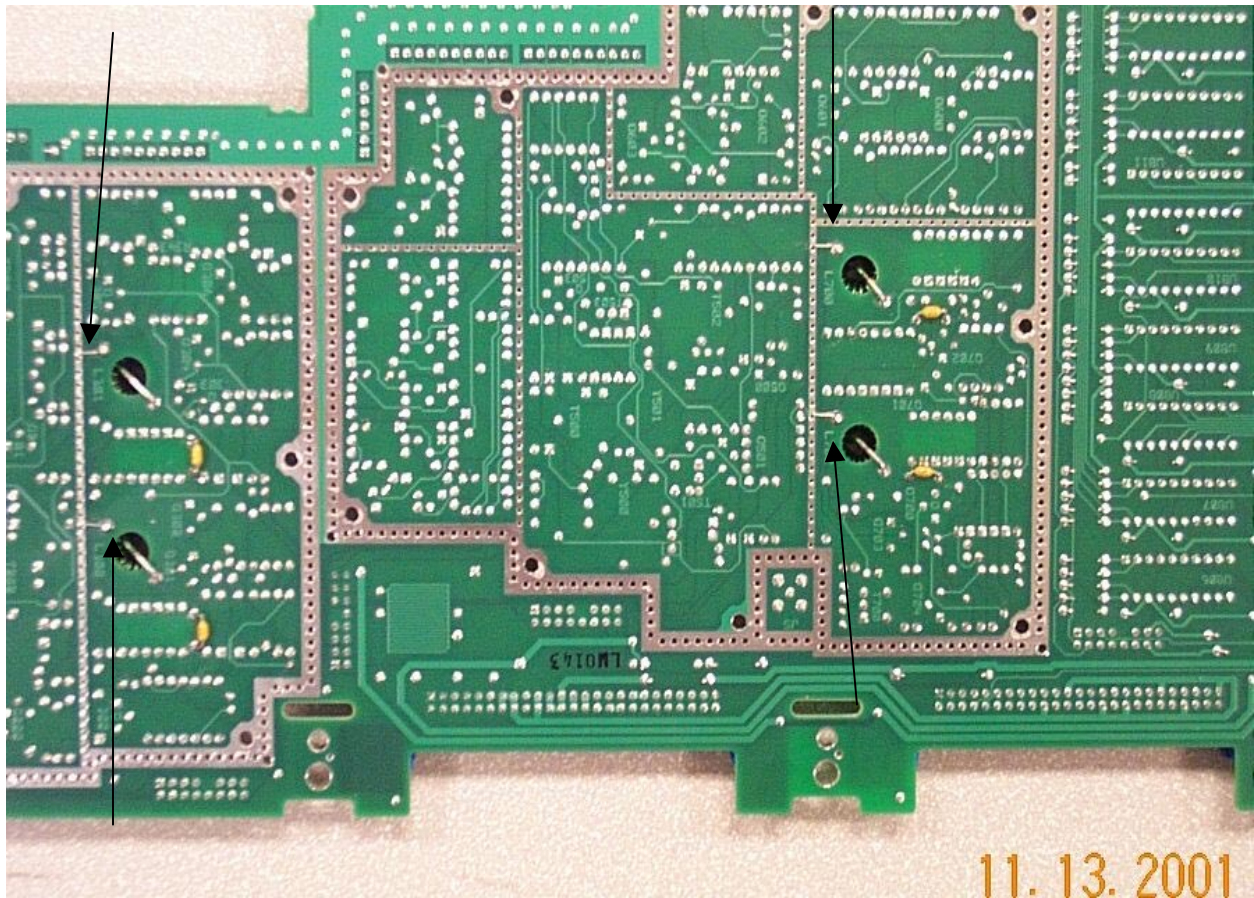
<b>Parts Required:</b>		
<b>P/N</b>	<b>Description</b>	<b>Qty.</b>
8150-4222	30 Gauge Wire	4

**Situation:**

For the instruments specified above, inductors within the A5 IF assembly are not making good connections to ground thereby giving error messages related to the A4 Log Amp board. Error numbers that appear in the lower right-hand corner of the screen on account of this problem are errors 561, 562, and 565.

**Solution/Action:**

If the serial number of the instrument applies to the ones above, the following butch may solve the problem. Remove the shielding from the A5 IF assembly. Locate the inductors, and according to the attached photograph, insert and solder one end of the 8150-4222 wire into the hole connecting to the inductors and solder the other end to the ground plane on the front layer of the board. Do this for each inductor. See attached picture, the arrows point to where the jumpers are attached.



Add jumpers according to the picture above.