

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**86130A-10**

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

Supersedes:  
NONE.

## 86130A BitAlyzer Error Performance Analyzer

Serial Numbers: [0000A00000 / 9999Z99999]

**Disable power supply 'Fan Stop' alarm to prevent output amps from being disabled.**

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

**Parts Required:**

P/N	Description	Qty.
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NONE.

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.5Hours	
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 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: End of Support.	
AUTHOR: RBS      PRODUCT LINE: PI8F.			
ADDITIONAL INFORMATION: MFG Reference.- ECR4115			

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**Situation:**

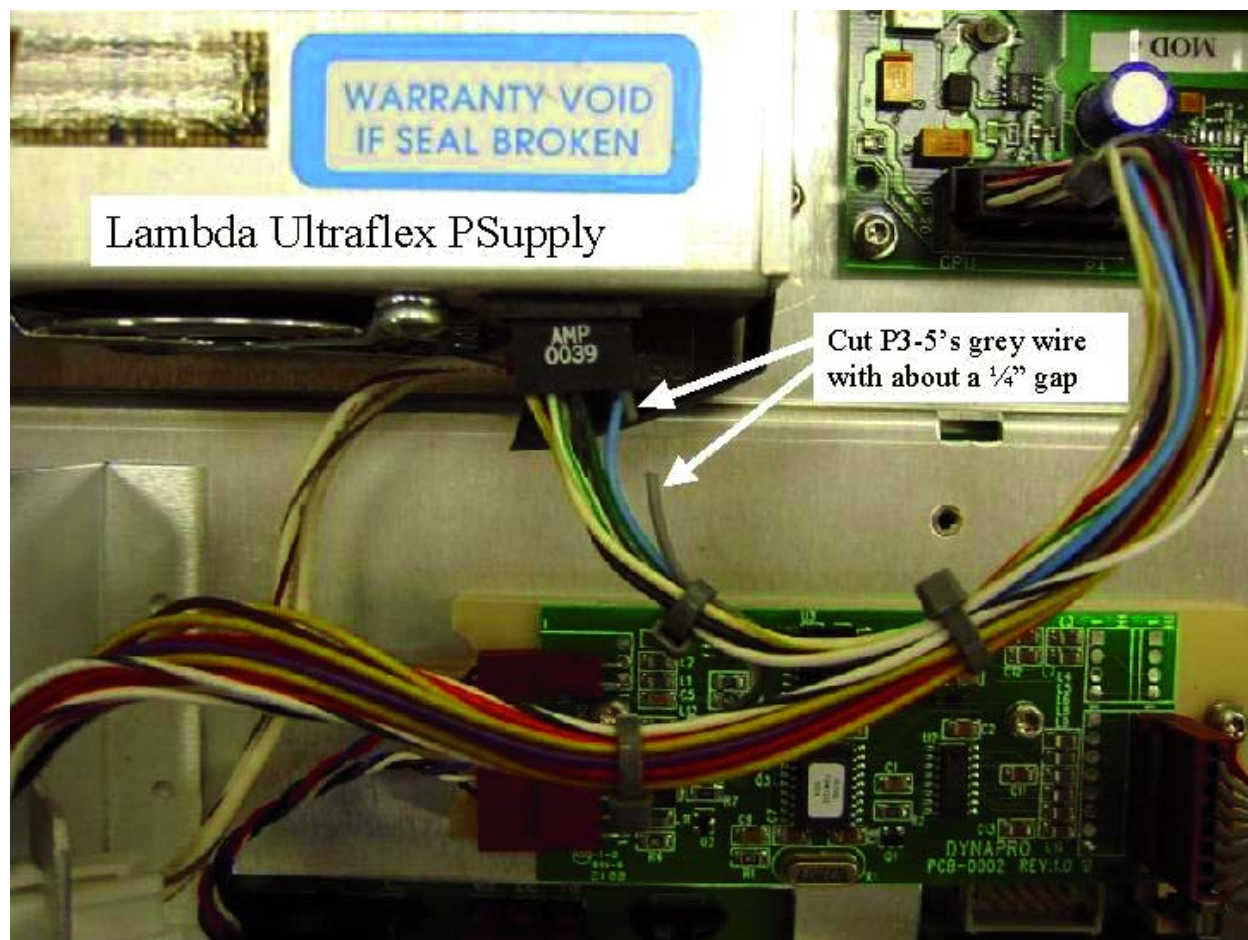
A power supply fan that sticks during startup can cause a shutdown signal that disables the output amplifiers on the Pattern Generator assembly (A2). All four output amps (Data, DataBar, Clock, and ClockBar) will be prevented from functioning if this occurs. (See also SN86130A-06A for similar symptoms).

Although the power supply fan will operate normally after a few seconds, it may be slow to startup causing the power supply FAN/Thermal shutdown signal to be sent. Depending on when it occurs during bootup, it may be logged as a Category 200 event in the NT Event Viewer.

**Solution/Action:**

Disable the power supply FAN STOP shutdown signal.

1. Locate J3 on the power supply (A1A1) assembly.
2. Cut J3-5 (GREY wire) between the J3 connector the harness tie wrap. The cut should leave approximately ¼" of wire protruding out of the power supply. See photo below (P3=J3).



**Note:** Both the PFW and Fan/Thermal outputs are open collector, and wire-or'ed together on the Power Supply Distribution board (A1A2, 86130-60001). If the GREY wire (Fan/Thermal) is cut and the proper PLD code is in place, the 86130A will only respond to valid power fail warnings (PFW's – refer to SN86130A-06A).

3. Apply heat shrink tubing to the ends of the cut wire.
  4. Affix Service Note label 86130A-10 to the rear of the instrument near the serial# tag.
- End.