

S E R V I C E N O T E

SUPERSEDES: None

E3611A 30W Lab Bench DC Power Supply

Serial Numbers: KR22102185 / KR30706097

Elimination of RF oscillation for lightly loaded supply

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
1854-0611	XSTR NPN 2N6056 SI DARL TO-3	2

Situation:

Some of the E3611A Power Supplies exhibit an RF oscillation that appears to be modulated with the ac power frequency. This oscillation occurs when the supply is lightly loaded (20mA to 70mA) and with the output voltage set to greater than 10 volts. It is difficult to get the appropriate conditions to see the oscillations. All units within the above serial number range that come into a Service Office should be modified.

Continued

DATE: 28 February 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.5 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 checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: 01 March 1997			
AUTHOR: NKP	ENTITY: Y300	ADDITIONAL INFORMATION:			

Solution/Action:

Replace the series pass transistors (Q1 and Q3) with P/N 1854-0611.

Old Part No.	New Part No.
1854-1257	1854-0611

Note: Re-calibration is required after replacement. Some performance tests (load and line regulation, ripple and noise, and transient response time) may also be required to verify the supply's compliance with specifications.