

S E R V I C E N O T E

SUPERSEDES: E3612A-01 dated  
26 August 1993

**3612A 30W Lab Bench DC Power Supply**

**E3610A-04 Serial Numbers:** 3111K00101 / 3151K02863  
KR22702864 / KR30704551

**E3611A-05 Serial Numbers:** 3111K00101 / 3151K02184  
KR22102185 / KR30704381

**E3612A-03 Serial Numbers:** KR15300101 / KR30701277

**Duplicate Service Notes:**

E3610A-04  
E3611A-05  
E3612A-03

**Eliminate voltage transient above the output setting during turn-off**

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

**Parts Required:**

Part No.	Qty.	Description
0180-4355	1	Capacitor, 470uF 50V

*Continued*

DATE: January 1996

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 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 type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: NKP	ENTITY: Y300	AGILENT RESPONSIBLE UNTIL: February 1996	
		ADDITIONAL INFORMATION: Reissued to extend no charge period	

**Situation:**

Some of the power supplies have turn-off overshoot that exceeds the power supply output setting. If this condition exists it will occur when the power supply has a light load (output current less than 30 mA).

**Solution/Action:**

To determine if a particular power supply has “excess turn-off overshoot” follow this test sequence:

1. Connect the power supply to the ac power line.
2. Turn the power supply “on”.
3. Connect a DVM across the power supply output terminals (set the DVM to continuously sample, rate should be at least two samples per second).
4. Set the power supply output voltage to any value below half scale (no load condition).
5. Observe the DVM readings of the power supply output when the supply is switched to “off”.
6. If the readings increase after the power supply is switched “off” by more than 5% then the power supply has “excess turn-off overshoot”.

“Excess turn-off overshoot” may be corrected by replacing C13 (P/N 01810-4085) with P/N 0180-4355 (470 uF 50V).