

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E3610A-06

S E R V I C E N O T E

Supersedes:
NONE

**E3610A SINGLE OUTPUT MANUAL DC POWER
SUPPLY**

Serial Numbers: 3111K00101/KR09999999 MY40000001/MY40004015

**This modification is required to eliminate oscillation when the output voltage
and or load conditions are changed.**

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 1.0 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE 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 checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: Support Life	
AUTHOR: cp	PRODUCT LINE: 33		
ADDITIONAL INFORMATION:			

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Situation:

The output of the E3610A will oscillate if the load is changed from No load to full output, the oscillation will also occur if the output voltage is operated from 1 volt to full output voltage. The oscillation frequency is about 30khz and the amplitude is about 0.65 volts.

When the instrument is operated at about 3.3 volts & 1.4 amps for about 10 minutes, the "CV" Constant Voltage indicator and the "CC" Constant Current indicator may also be turned on. These are front panel indicators.

Solution/Action:

Removing the diode "CR8" P/N 1901-0327 will eliminate the oscillation problem. To remove "CR8" carefully cut the part out. When "CR8" is being removed be careful not to cut any printed circuit board traces. When "CR8" is removed the instrument does not require calibration. it is recommend that the instrument be checked for proper performance.

The following list of serial numbers have been modified and these instruments have been fully tested at the factory

MY40002193 2238, 2513, 2766, 2776, 3602, 3816, 3817, 3818, 3820, 3950, 3975, 3995, 3996, 4013, 4014