E3631	A-04C
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E3631A Trip Serial Numbers Firmware upg To Be Performe Parts Required: P/N E3631-60038	:KR5360xx	ıt DC P	Power S	· I	SUPERSEDE	S: E363 ⁻	IA-04B	
Serial Numbers Firmware upg To Be Performe Parts Required: P/N	:KR5360xx	it DC P	Power S	· I				
Firmware upg To Be Performe Parts Required: P/N				suppiy				
To Be Performe Parts Required: P/N	IXIX 0070XX				n ROM revision n ROM revision			
Parts Required: P/N	grade to e	liminat	e outpu	it offse	ts in the OFF	state		
P/N	ed By: Agile	nt-qualifi	ed Persor	nnel or Q	ualified customer	rs (Technie	cian level))
P/N	:							
E3631-60038	Descri	ption			Quantity			
	ROM	ROM revision 1.6			1			
or E3631-69001	E3631	E3631A replacement unit						
Situation:								
When the power puts are disabled opposite direction	; less than 0.	.6 volts of	f opposite	polarity	with no load and			
							Continued	d
					DATE: May19	99		
NISTRATIVE IN								

MODIFICATION AVAILABLE					
ACTION CATEGORY:	AGREEABLE TIME	■ PERFORMANCE ENHANCEMENT □ SERVICE/RELIABILITY ENHANCEMENT			
LOCATION CATEGORY:	CUSTOMER INSTALLABLE ON-SITE SERVICE CENTER	AVAILABLE UNTIL: May 2001			
AUTHOR: YCP	ENTITY: Y300	ADDITIONAL INFORMATION:			

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Solution / Action:

Note: Firmware upgrade is only available for the unit with the ROM revision 1.3 or 1.4 code mentioned above in the serial number ranges. The revision code can be identified by the serial number ranges above. The best way to identify the revision code is to use the "*IDN?" command over the remote interface (GPIB or RS-232). This command returns a string with the following format.

"AGILENT,E3631A,0,1.1-X.X-X.X" (1.1 is revision code)

- For units with ROM revision code of 1.1 or 1.2: The firmware upgrade can only be accomplished by exchanging the unit with a rebuilt exchange unit (PN E3631-69001). This upgrade is available only at customer expense. The ROM with revision code 1.6 will not function in these units.
- For units with ROM revision code 1.3 or 1.4: The firmware upgrade is available at customer expense by replacing the ROM with a new one (rev 1.6). After replacing the ROM (U14) in the socket on the top PC board (E3631-60002), it is strongly recommended to re-calibrate the power supply according to the General calibration procedure starting on page 66 in the Service Guide (E3631-90011).

If the recalibration is not performed after upgrading the ROM, three error numbers (741, 745, and 746) will be displayed on the display as you turn on the power supply. The calibration procedure should comply with the recommendation on page 43 in the Service Guide.

After calibration, please mark on the unit "UPGRADED to 1.6 CODE"

Recommended Test Equipment:

Digital Voltmeter: 34401A Current Monitoring Resistor (shunt): 0.1 ohm 100W 0.1% or 34330A (Current shunt 30A Max.)