								E36	30A-	-02
S	Е	R	V	Ι	С	Е	Ν	0	Т	Е
F36	5 3 0а т	'riple (Jutnut	DC P	ower S	_	UPERSEDE	S: NON	E	
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Seria	al Numb	KR.	3470054	1/KR75	312314 f	for option Ol for option sto for option Ol	1			
Тон	readjus	st the C	urrent	Limit	of the 6	V output				
To B	Be Perfor	rmed By:	Agilent	-Qualifi	ed Perso	nnel				
Reco	ommend	ed Test I	Equipme	ent:						
	Re El	ultimeter esistive L ectronic l urrent Sai	oad : 2.4 Load : 60	ohm 20 063A		100 mohm (0.1% 15W			
Situ	ation:		1 0							
							to operate at 2 only to about		5% when	1
									Continue	ed

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:								
MODIFICATION RECOMMENDED								
ACTION CATEGORY:	 IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME 	STANDARDS: LABOR 1.0 Hours						
LOCATION CATEGORY:	CUSTOMER INSTALLABLE	SERVICE RETURN USED RETURN INVENTORY: SCRAP PARTS: SCRAP SEE TEXT SEE TEXT SEE TEXT						
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: August 2000						
AUTHOR: YCP	ENTITY: Y300	ADDITIONAL INFORMATION:						

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DATE: August 1998

Solution / Action:

To adjust the current limit circuit in the +6V supply, proceed as follows.

- 1. Remove the cover with a flat-blade screwdriver.
- 2. Check the setting of the current limit by performing steps below.
 - Connect the Resistive Load and the switch to the +6V output terminal in serial and then connect the Current sampling resistor between the switch and the COM terminal. The Electronic load canbe used instead of the Resistive Load.
 - Connect the multimeter to the current sampling resistor in parallel.
 - Close the switch, set the total resistance of resistive load and the current sampling resistor to an initial value of 2.4 ohm or greater, and set the output voltage to 6 volts.
 - Reduce the value of resistive load gradually while observing the output current indicated by the DVM. The current should increase to a maximum of $2.75A \pm 5\%$ (2.61A to 2.89A) before it begins to decrease.
- 3. Be sure to set the output voltage to 6 volts. If reducing the load resistance permits the current to exceed 2.9A, stop, turn R6 slightly clockwise, and repeat the test. If, instead, the current begins to fall before it reaches 2.6A, turn R6 slightly counter clockwise and repeat the test.
- 4. Recheck the setting and readjust R6 until the test shows that the current limit circuit begins to reduce the current when a decreasing load resistance increase it to $2.75A \pm 5\%$.