

200 LEVEL POWER SUPPLY

9.0 TEST SPECIFICATIONS

A. INPUT VOLTAGE AND CONNECTIONS

1. CONNECT A 47-63 HZ, 0 TO 132VRMS, SINGLE PHASE VARIABLE VOLTAGE SOURCE BETWEEN ACLH (TB1-~~10~~5) AND ACLL (TB1-~~10~~6)
2. ADJUST THE VOLTAGE SOURCE TO 100V RMS (MEASURED WITH AN AC VOLTMETER)
3. CONNECT RESISTIVE LOADS PER THE FOLLOWING TABLE:

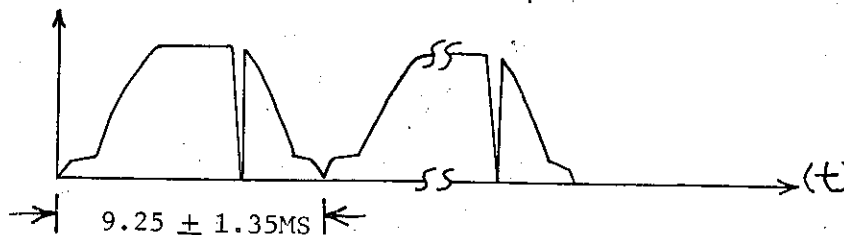
VOLTS	RESISTOR	CONNECT RESISTOR BETWEEN
+5	4A 1.25Ω, 20W (P5 LOAD)	J1-5 AND J1-6 50mV PP
+15	1A 15Ω, 15W (P15 LOAD)	J1-10 AND J1-12 50mV PP
-15	.75A 18.75Ω, 12W (N15 LOAD)	J1-11 AND J2-12 50mV P-P ripple
+28	1.5A 18.66Ω, 42W (P28 LOAD)	J1-8 AND J2-6 1V P-P ripple

4. CONNECT R5H (J1-3) to P5 (J1-5), P8-1 to P8-2 and P8-6 to P11-11.

TURN CIRCUIT BREAKER (CB1) "ON".

5. CONNECT A JUMPER ACROSS C31 (ON THE CONTROL CARD)
6. TURN CIRCUIT BREAKER (CB1) "ON"
7. CONNECT OSCILLOSCOPE (DIFFERENTIALLY) BETWEEN TA-2 AND TA-1 (ON THE CONTROL CARD) AND ADJUST R77 UNTIL THE FOLLOWING WAVE FORM IS OBSERVED. ASCERTAIN THAT THE FIRING PULSE IS AS CLOSE TO THE PEAK OF THE SAWTOOTH AS POSSIBLE.
8. TURN CIRCUIT BREAKER OFF REMOVE THE JUMPER FROM ACROSS C31. ADJUST THE AC INPUT VOLTAGE TO 80 VRMS. TURN THE CIRCUIT BREAKER ON. OBSERVE THE WAVEFORM PER 9.0.A.7 AND NOTICE THAT PULSES SLOWLY INCREASE THEIR NUMBER WITHIN THE 9.25 ± 1.35 MS TIME PERIOD.

9. MONITOR THE VOLTAGE BETWEEN TP1 AND TP3 (ON CARD). ADJUST R5 ON THE CONTROL CARD FOR +28 ± .1VDC.



10. Adjust AC input to 100V rms. Monitor the voltage between TA-14 and TP-3. Adjust R89 on the control card for +14 ± 1 VDC. If no adjustment is required, continue. Otherwise, repeat from paragraph 9.0.A.5.

REV. 10-2-74 8. Brown DEB	REV. 4 5/24/79 9.24/76	REV. 5	PRINTS TO DL119	APPROVALS M. W. Smith	GENERAL ELECTRIC POWER SUPPLY MODULE DS3820PS1 CONT. ON SH. 9BA SH. NO. 9AA
REV. 2 3-25-77 8. Brown DEB	ISSUED	MADE BY M W SMITH	FIRST MADE FOR	I.C. NO.	
REV. 3 5/12/77 S. Brown DEB					

TURN R1 FULLY CCW TO START WITH

NOTE: WHEN USING PROGRAMMABLE LOAD YOU MUST BRING 5V LOAD UP SLOWLY AFTER power supply is turned on or it will trip relay.

P5 Remote Sense Line done

THIS WILL SHORT GATE-CATHODE CIRCUITS ON Q2 & Q3 CROWBAR SCRS TO DISABLE THEM.

if you need to short gate cathode circuits on Q2 & Q3

01710

800 841 4214