

Date	
PA FIL Hrs	
HVPS Hrs	
SWTU Hrs	

7835 Conditioning

7835 tube S/N	
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Perform gas test

Time	Current
Leakage	
0 Minutes	
1 min	
2 min	
3 min	
4 min	
5 min	
10 min	

<-- Anode leakage before turning Filament ON

<-- Initial reading

<-- Should be less than 20uA

Anode E	-45 Volts
Grid I	50 Amps
Grid E	
Fil Current	

DRIVER BREAK-IN (typical 2 hours 30 minutes)

Power	Duration	Actual Pwr	Time
35 kw	30 min		
55 kw	15 min		
75 kw	15 min		
95 kw	15 min		
115 kw	15 min		

Power	Duration	Actual Pwr	Time
125 kw	15 min		
145 kw	15 min		
165 kw	15 min		
175 kw	15 min		

R.F. OPERATION BREAK-IN (typical 20 hours)

Raise the anode current in 10 amp steps about once per hour.

Current	Duration	Actual Pwr	Time
10 amps	1 hour		
20 amps	1 hr		
30 amps	1 hr		
40 amps	1 hr		
50 amps	1 hr		
60 amps	1 hr		
70 amps	1 hr		
80 amps	1 hr		
90 amps	1 hr		
100 amps	1 hr		
110 amps	1 hr		
120 amps	1 hr		
130 amps	1 hr		
140 amps	1 hr		
150 amps	1 hr		

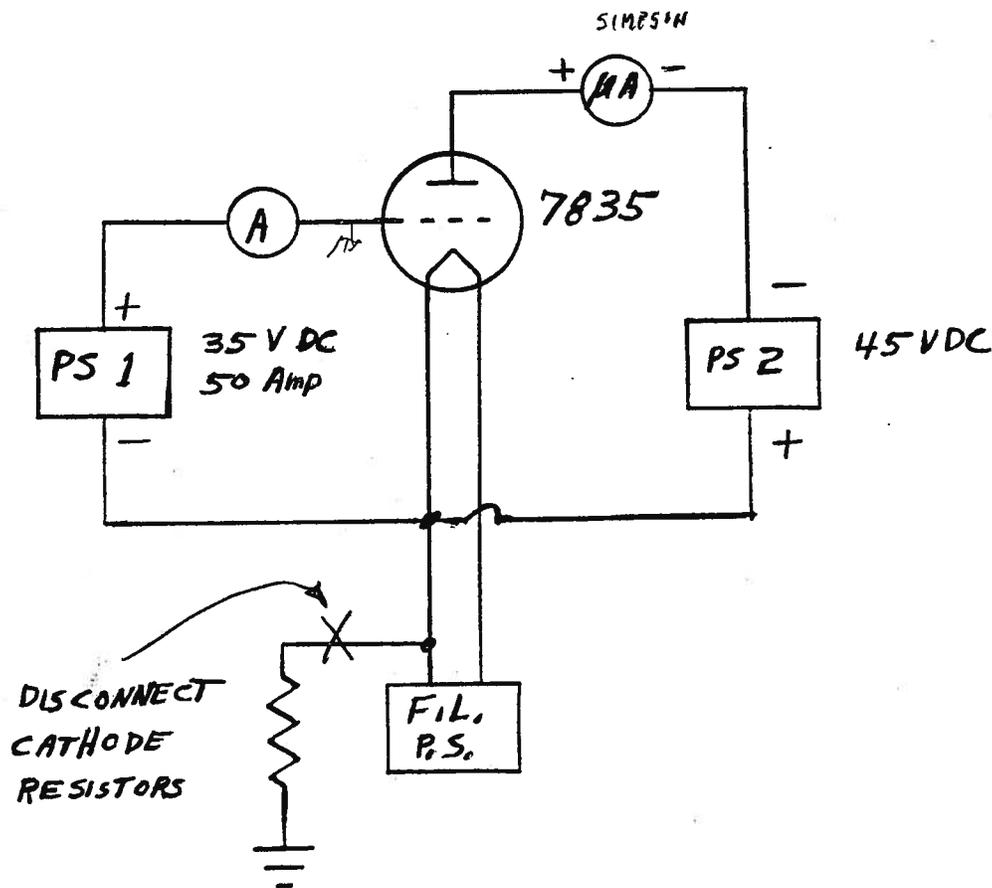
Current	Duration	Actual Pwr	Time
160	1 hr		
170	1 hr		
180	1 hr		
190	1 hr		
200	1 hr		
210	1 hr		
220	1 hr		
230	1 hr		
240	1 hr		
250	1 hr		
260	1 hr		
270	1 hr		
280	1 hr		
290	1 hr		
300	1 hr		

Final Readings:

Fil Current	
Mod Output E	
Mod Output I	

High Voltage	
Driver Out	
7835 Power	

7835 GAS TEST PROCEDURE
(1/16/90)



Notes

1. Connect the 7835 as shown, making sure the cathode resistors are disconnected. The filament must be floating before PS1 can be turned on.
2. Turn on PS2 (-45 volt supply) and measure the water leakage current with the filament off.
3. Turn the filament on and bring up to normal operating value.
4. Allow the filament to operate for as least 5 minutes to give the getter a chance to remove gas released when the filament was turned on.
5. Turn on PS1 and set to 50 amps grid current. Make the initial gas current reading as soon as possible.
6. After 5 minutes read the gas current value again. The final value to be recorded is the 5 minute reading of gas current minus the water leakage current. The tube is considered acceptable if the final value is less than 20 microamps.