

**High Voltage Power Supply Removal**

- a) Remove the projector lower front and side panels as described in Section 5.2.
- b) Remove the two screws securing the slide-out rack to the projector chassis. Slide the rack out about 4".
- c) Trace the anode lead from the High Voltage Power Supply to the splitter located in the projection head portion of the projector. Disconnect the anode lead from the splitter and route it back to the power supply.  
Note: Some cable ties may require removal. If so, record the cable tie positions for future re-assembly.

- d) Trace the focus lead from the High Voltage Power Supply to the Bias module located in the projection head portion of the projector. Disconnect the focus lead from the Bias board and route it back to the power supply. Record the positions of any cable ties requiring removal.
- e) Disconnect the M24-P1 and M24-P2 connectors from the module as shown.
- f) Remove the 4 hex head screws as shown in Figure 9-2. Guide the High Voltage Power Supply out the right side of the front slide-out rack.

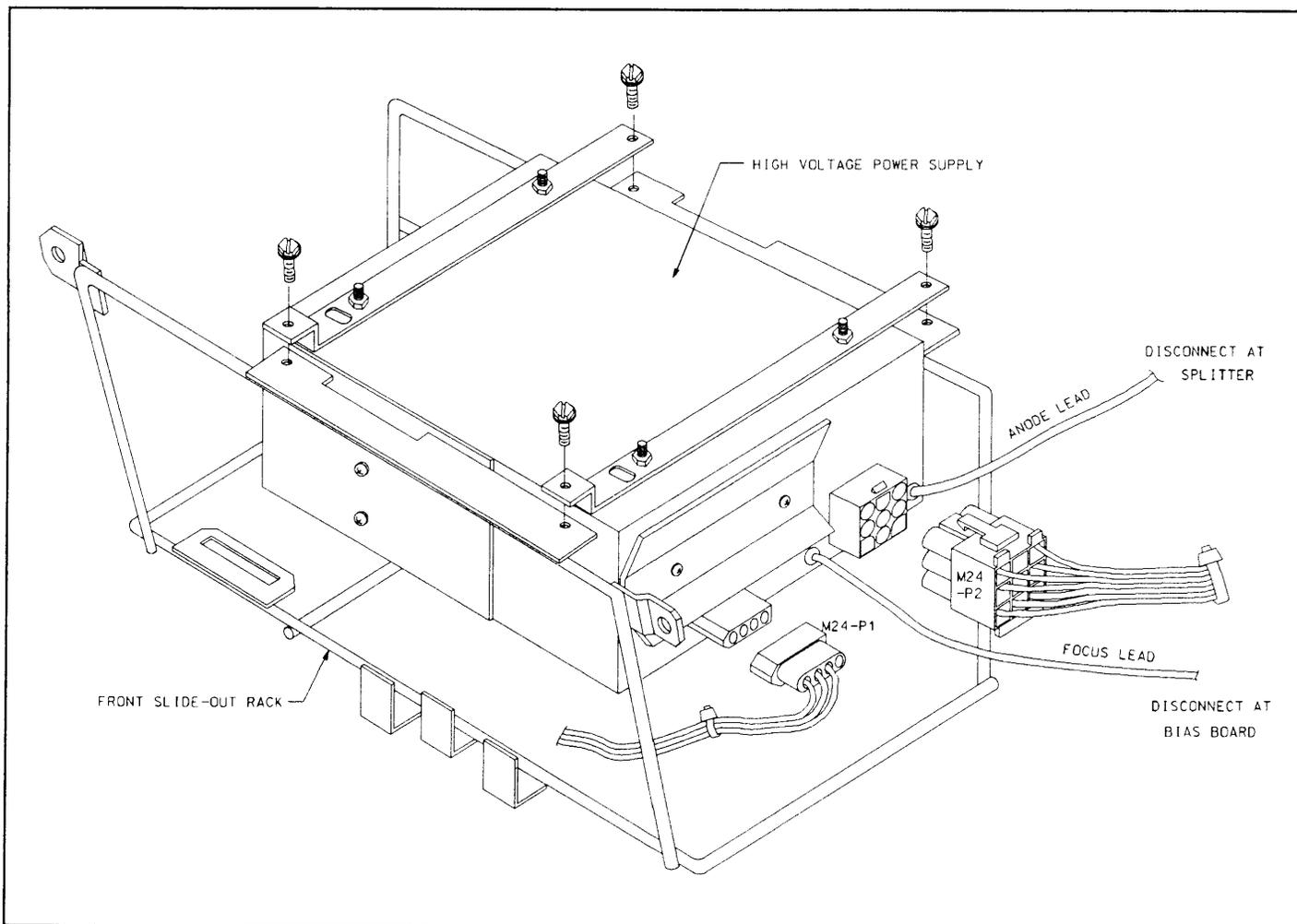


FIGURE 9-2. High Voltage Power Supply Removal

**9.2.2 Alignment**

Service alignments are not necessary. If one of the power supply modules is out of specification, the module must be replaced.

**9-4 MODULE SERVICING**  
**Power Supplies**

**9.3.2 High Voltage Power Supply**

**Power Requirements:**

Voltage  
120V mode . . . . . 90 to 132 VAC  
240V mode . . . . . 180 to 264 VAC  
Turn-on Current . . . . . 25A max  
Frequency . . . . . 50 to 60 Hz  
Power (full load) . . . . . 140W typ.

**Anode Supply:**

Voltage adjustment range . . . . . 34V. nom  
Current level . . . . . 3mA max  
Static load regulation  
(no load to full load) . . . . . 0.2% max  
thermal drift . . . . . 200ppm/°C max  
Dynamic load regulation  
(900pF load capacitance):  
0 to 3mA . . . . . 150V p-p max

Line regulation . . . . . 0.1% max  
ripple & noise  
(3mA, 900pF load) . . . . . 6.6V max

**Focus Supply:**

Terminal Voltage . . . . . 10.5KV ± 10%  
17KV Multiplier Tap Resistor . . . . . 35.5M $\Omega$ , 1%  
temperature coefficient . . . . . 100ppm/°C max

**G2 Supply:**

Voltage . . . . . 800VDC ± 5%  
Current . . . . . 1mA max  
Dynamic load regulation  
(no load to full load) . . . . . 16V p-p max  
Line regulation . . . . . 0.8V p-p max  
Cross regulation (anode switched  
no load to full load) . . . . . 16V p-p max  
ripple (1mA load) . . . . . 5V p-p max