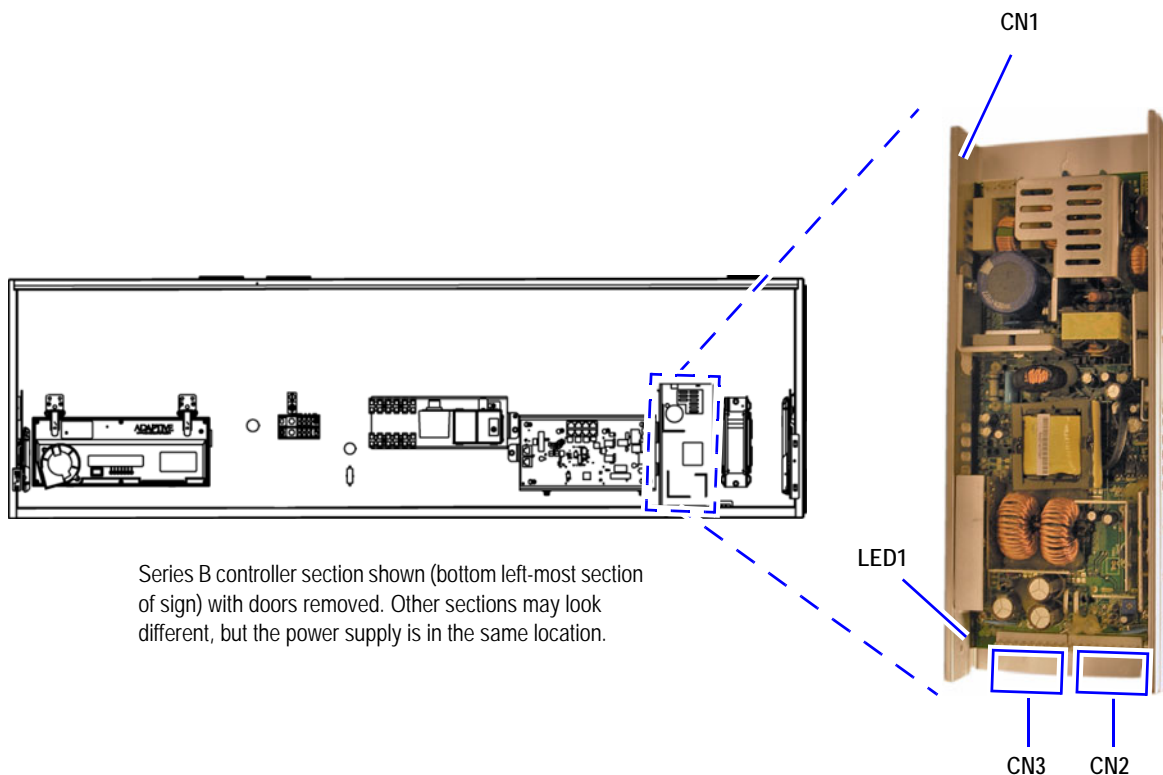


Replacing the 24 volt power supply

(pn 40756303ASP)

Each Excite 20mm, 23mm and 35mm sign section has a power supply that provides 24VDC power to the section's driver boards, controller, and turbo boards.



Series B controller section shown (bottom left-most section of sign) with doors removed. Other sections may look different, but the power supply is in the same location.

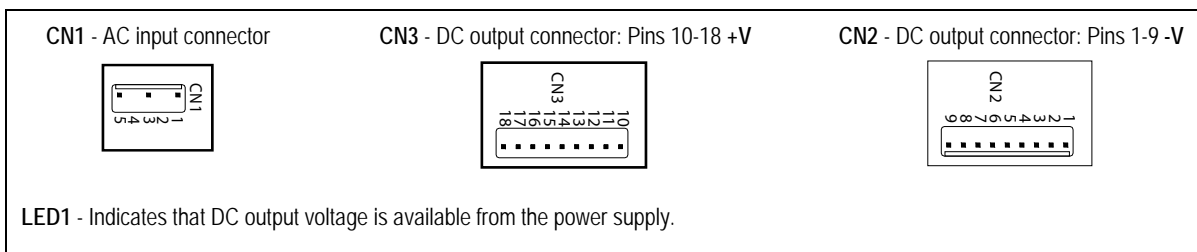


Figure 1: Power supply location inside Excite sign case.

Tools required

- 5/32-inch hex tool (pn 68117076)
- Screwdriver

Specifications

Output	DC voltage:	24V		
	Rated current:	14.6A		
	Rated power:	350.4W		
	Voltage adjust range:	21.6 ~ 26.4V		
Input	Voltage range:	90 ~ 264VAC		
	Frequency range:	47 ~ 63Hz		
	AC current	115VAC	4A	
		230VAC	2A	
	Inrush current (Typ.):	115VAC	22A	
		230VAC	44A	
Leakage current:	<2mA / 240VAC			
Environmental	Working temperature range:	-10 ~ +65°C		
	Working humidity range:	20 ~ 90% RH non-condensing		

WARNING! Hazardous voltage. Contact with high voltage may cause death or serious injury. Always disconnect power to unit prior to servicing.

Notice: Observe appropriate precautions to prevent electrostatic discharge (ESD) or “static” damage to the replacement part. For safe handling of ESD-sensitive parts, see TechMemo #00-0005.

⇒ Replacing the power supply

1. Disconnect all power to the sign at the power source.
2. Locate the door locks in the section with the power supply you are replacing.



Figure 2: Door lock locations

3. Open the section door.
 - Using a 5/32-inch hex tool to open the section door lock, turn counterclockwise and then pull the door toward you.

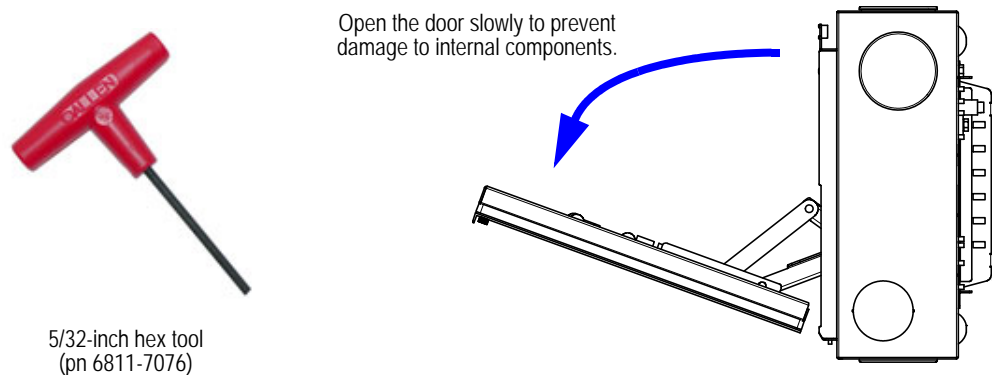


Figure 3: Use a hex tool to open the door lock

4. Remove the three connectors (CN1, CN3, and CN2) from the power supply.



Figure 4: Remove connectors

5. Remove the power supply.

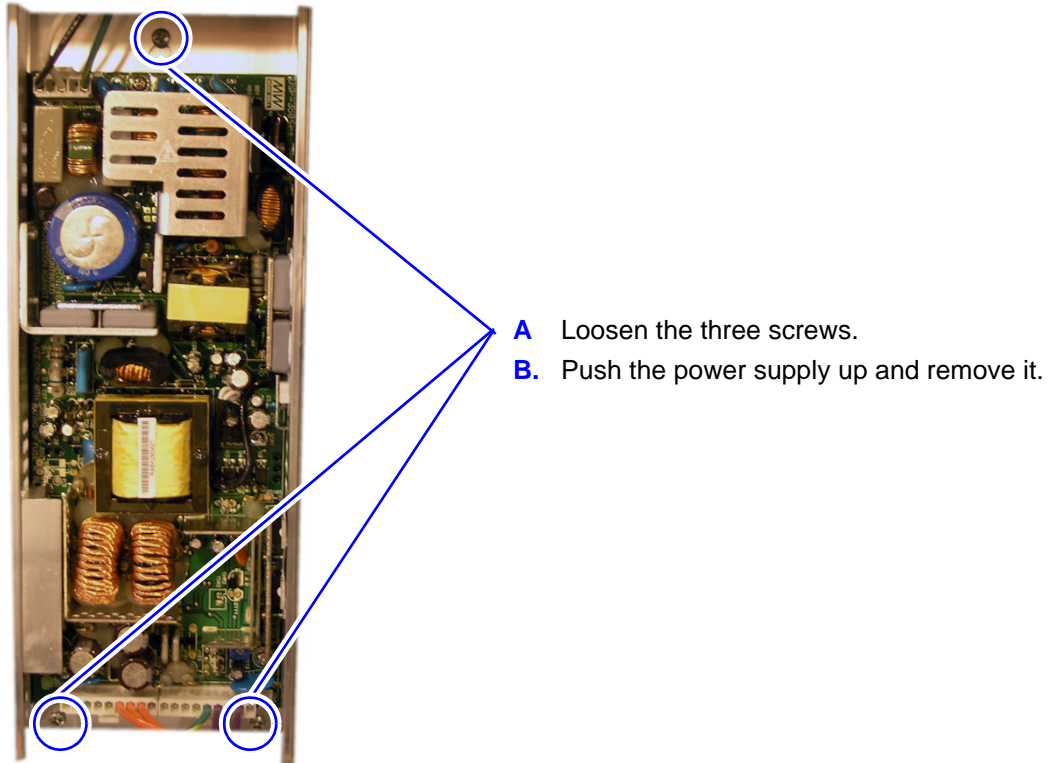


Figure 5: Loosen screws to remove power supply

6. Position the new power supply and tighten the three screws.
7. Attach the connectors.

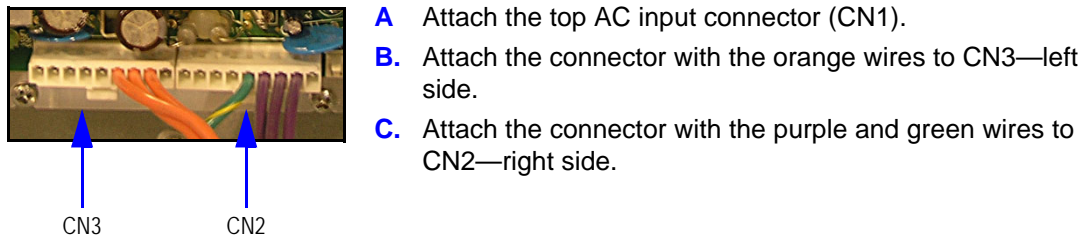


Figure 6: Attach the connectors

8. Close the sign door, tighten door locks, and apply power to the sign.