

Follow this procedure to test the power supply:

1. Turn off Studio 7 and unplug.
2. Remove the bottom pan screws and remove the pan from the plotter.
3. Lay plotter upside down and inspect power supply for burn marks. If it is damaged replacement is required. If power supply looks normal, continue with test.
4. Plug in plotter and turn it on.
5. Using a voltmeter, check the following settings. *Note: The power supply connector color refers to the color of the wire. The connectors J-3 and J-5 are on the logic board.*
6. Insert the black (negative) test lead into the black connector (J-3) and the red (positive) test lead into the yellow connector. The voltmeter reading should be +33 volts +/- 5%.
7. Insert the black test lead into the black connector (J-3) and the red test lead into the white connector. The voltmeter reading should be +14 volts +/- 5%.
8. Insert the black test lead into the black connector (J-3) and the red test lead into the green connector. The voltmeter reading should be -12 volts +/- 5%.
9. Insert the black test lead into the black connector (J-3) and the red test lead into the blue connector. The voltmeter reading should be +12 volts +/- 5%.
10. Insert the black test lead into the black connector (J-3) and the red test lead into the red connector. The voltmeter reading should be +5 volts +/- 5%.
11. Insert the black test lead into the black connector (J-5) and the red test lead into the red connector. The voltmeter reading should be +20 volts +/- 5%.