



On the left is a 12,000 volt neon sign transformer and on the right a 2,000 volt microwave oven transformer is easier to use because it comes wired and ready.

You may get better results using the higher voltage neon sign transformer. It is also easier to use because it comes wired and ready to go. Microwave oven transformers have to be rewired to work. It's also somewhat safer. **Both of these transformers produce voltages and currents sufficient to kill someone.** Safety procedures must be carefully followed or a fatal accident can happen. As a minimum, the following is recommended:

- 1. Never work alone. Always have someone watching that can get help if you get shocked.***
- 2. Always wear insulated footwear and gloves and stand on an insulated pad.***
- 3. Always check and then double check that the transformer is disconnected before touching a lead. Do not trust switches. It's too easy to forget to turn one off. Always disconnect the transformer by unplugging it.***
- 4. Most important of all: Always, ALWAYS, use only one hand when touching a lead. Even if you know the transformer is unplugged still follow this rule. Your other hand should be carefully tucked behind your back. If a mistake is made and only one hand is touching a hot wire, that hand may be burned but the current is less likely to travel through your heart, which it could easily do if you grabbed a lead in each hand.***