

GUIDELINES FOR HIGH VOLTAGE WORK

- **Don't work alone - in the event of an emergency another person's presence may be essential.**
- **Know the emergency procedures to follow in case of an accident**
- **De-energize the equipment prior to beginning work and that all hazardous energy, including residual or stored energy, is blocked, discharged, or relieved prior to starting work.**
- **Wear rubber bottom shoes or sneakers.**
- **Don't wear any jewelry or other articles that could accidentally contact circuitry and conduct current**
- **Set up your work area away from possible grounds that you may accidentally contact.**
- **Know your equipment.**
- **If you need to probe, solder, or otherwise touch circuits with power off, discharge (across) large power supply filter capacitors (at least 2 times). Monitor while discharging and/or verify that there is no residual charge with a suitable voltmeter.**
- **If you must probe live, put electrical tape over all but the last 1/16" of the test probes to avoid the possibility of an accidental short, which could cause damage to various components. Clip the reference end if the meter or scope to the appropriate ground return so that you need to only probe with one hand.**
- **Perform as many tests as possible with power off and the equipment unplugged.**
- **Don't attempt repair work when you are tired or your reasoning can be affected. Not only will you be more careless, but also your primary diagnostic tool - deductive reasoning - will not be operating at full capacity.**
- **Finally, never assume anything without checking it out for yourself! Don't take shortcuts!**