

Thermionics Reset Instructions

Note: These instructions are for recovering from power outages only.

1. Verify that all pumps are off
2. Check the load lock and main chamber pressures
 1. The load lock pressure should be $< 10^{-3}$ Torr
 2. Make sure emission is off on the main chamber gauge. Switch gauges on the Lesker Multigauge - Press "Chan" twice. Verify that the pressure is $< 10^{-2}$ Torr

IMPORTANT: If the pressure is too high, stop following these instructions and instead pump down as if the chamber had been vented.

3. Use the reset toggle switch on the silver panel to restore power. The roughing pumps will start and the turbo controllers with power up.
 1. If the BOC Edwards RP does not start, unplug it from the gray power strip and plug it directly into the wall. Let it run for a few minutes, then plug it back in to the power strip and start it again.
4. Turn on the two turbo pumps and wait for the speed to increase to 15,000 rpm
5. Open the valves between the turbo and roughing pumps by pressing the red reset switches on the two panels above the silver panel (top is for main chamber, bottom is for load lock)