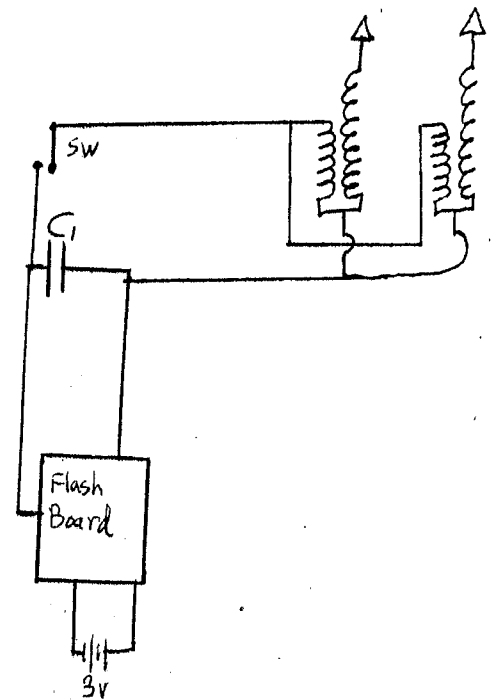
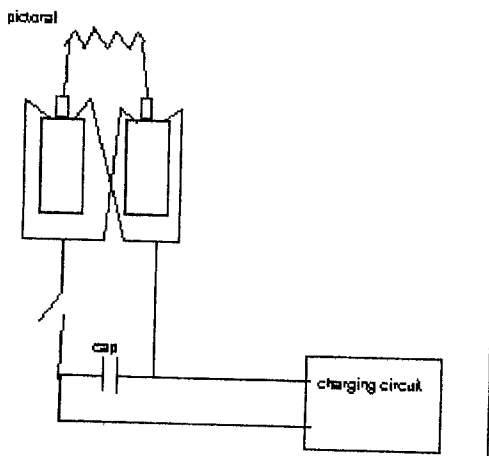


8-12 INCH SPARK GENERATOR.

THIS IS A SIMPLE DESIGN. THE IDEA IS THAT A 200-300VOLT DC CAPACITIVE CHARGE IS GOING TO BE SURGED INTO A PARALLEL NETWORK OF IGNITION COILS. THIS WILL GENERATE A DIFFERENCE OF POTENTIAL BETWEEN THE TWO COILS...THE OUTPUT WILL VARY DEPENDING ON WHAT TYPE OF COILS YOU USE AND THE CAPACITORS YOU USE.

YOU WILL NEED TO OBTAIN A CAMERA FLASH. THE BIGGER THE BETTER. TAKE IT APART AND REMOVE THE TUBE AND REFLECTOR. DIRECTLY WIRE A SWITCH TO ONE SIDE OF THE CAPS. WIRE THE PARALLEL COILS TO THIS. USE A HIGH POWER CONTACT SWITCH. YOU WILL NEED TO OBTAIN TWO 12VOLT IGNITION COILS. THEY MUST BE OIL INSULATED. PLACE A WIRE IN THE TOP OF THE COILS AND INSULATE IT WITH HIGH VOLTAGE EPOXY. THESE WIRES SHOULD BE HIGH VOLTAGE TYPE. THE SWITCH SHOULD BE FAR FROM THE COILS... YOU MAY GET SHOCKED IF THERE IS FEEDBACK THROUGH THE SWITCH, SO INSULATE THE SWITCH.

SCHEMATIC AND PICTORAL DIAGRAMS



HOW TO MAKE A REPEATING / CONTINUOUS SPARK

MATERIALS NEEDED: HeNe laser power supply, smallest if preferred, .1uF - 30uF caps at 3-4kv, adjustable spark gap (use a piece of wood with a hole drilled in the center and two screws placed in each end, connect the screws to the wires.), two ignition coils, extremely high voltage insulation and wires.

Place the wires in the coils and use high voltage epoxy or insulation to seal all possible cracks or holes. connect high voltage wire to the terminals of the coils and insulate the terminal also. the entire top of both coils should be covered with insulation.

If you use an on/off switch make sure it is insulated very well, or you will get shocked.

see diagram below to build device.

