HIGH ENERGY PLASMA GENERATOR (REV 01)

THIS DEVICE HAS POTENTIAL TO DISRUPT ELECTRONIC SIGNALS THROUGHOUT SEMICONDUCTOR BASED ELECTRONIC EQUIPMENT. IT EMITS LARGE AMOUNTS OF HIGH FREQUENCY EMR AND EMF, YOU SHOULD NOT USE THIS DEVICE WITHIN OR NEAR A COMPUTER OR OTHER SIMILAR EQUIPMENT. USE AN INSULATED AND FEEDBACK PROTECTED DC POWER SUPPLY IF YOU ARE TO POWER IT FROM THE WALL CURRENT. BATTERIES OR SMALL MOTORCYCLE BATTERIES WORK BEST.

THERE ARE TWO CIRCUITS TO MAKE LIFE EASIER FOR YOU. THE FIRST CIRCUIT IS SIMPLE AND CONSISTS OF A SIMPLE MULIVIBRATOR CIRCUIT WHICH BIASES A 2N3055 TRANSISTOR. THIS Q SWITCHES 12VDC THROUGH AN IGNITION COIL TO OBTAIN HV, HF PLASMA OF RATHER POOR QUALITY BUT OF HIGHER VOLTAGE. THIS PLASMA CAN STILL DO DAMAGE BUT WILL REQUIRE MORE TIME.

THE NEXT CIRCUIT IS MUCH BETTER AND REQUIRES MORE COMPONENTS. IT UTILIZES A 555 TIMER CIRCUIT TO GENERATE A SQUARE WAVE OUTPUT WHICH IS FED INTO AND CLEANED/AMPLIFIED BY A SIMPLE TRANSISTOR PAIR. THIS SIGNAL IS FED INTO A 2N3055 TRANSISTOR WHICH PERFORMS HIGH SPEED SWITCHING THROUGH 5-10 TURNS OF 26GA WIRE ACTING AS THE PRIMARY FOR THE FLYBACK TRANSFORMER. THIS CIRCUIT PRODUCES MUCH BETTER PLASMA THAN THE FIRST CIRCUIT.

PARTS LIST FOR THE FIRST CIRCUIT:

1 27K RESISTOR 1/2W
1 10OHM RESISTOR 1/2W
1 .1uF CAP 50V
1 Q1=2N2222
1 Q2=SN2907
1 Q3=2N3055
1 COIL1=12VDC OR 6VDC IGNITION COIL (6V=HIGHER OUTPUT)

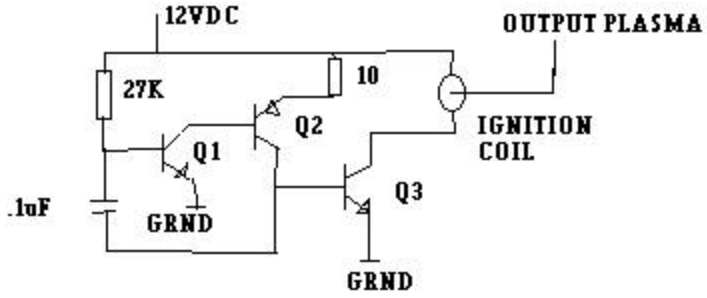
PARTS LIST FOR THE SECOND CIRCUIT:

1 7812 5V REGULATOR
1 NE555 TIMER IC
1 Q1=2N2222
1 Q2=2N2907
1 Q3=2N3055
1 D1=1N4002 DIODE

1 1K RESISTOR 1/4W
1 10K POT VARIABLE
1 4.7nF CAPACITOR
1 5OHM 4W RESISTOR
2 50V AT 100uF CAP
1 FLYBACK TRANSFORMER, ALMOST ANY TYPE
ROLL OF 26GA MAGNET WIRE FOR REWRAP OF PRIMARY.
ROLL OF 22GA INSULATED WIRE FOR HARNESSING.

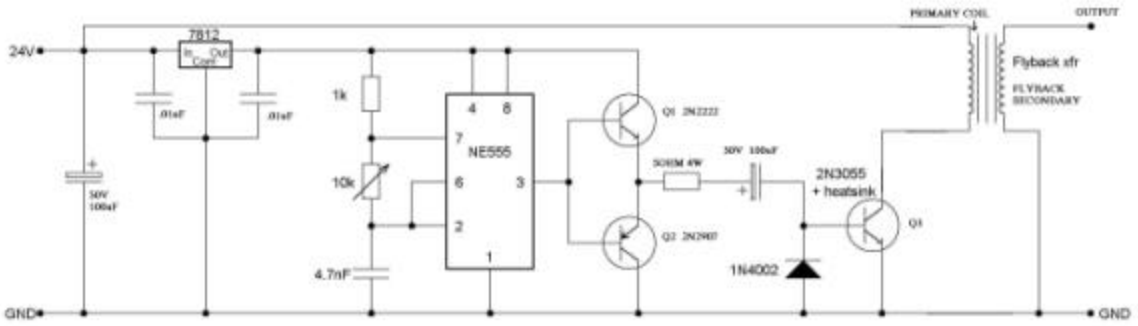
HERE ARE THE SIMPLE DIAGRAMS TO BUILD THESE TWO CIRCUITS.

CIRCUIT #1



WITH THE ABOVE CIRCUIT…THE NEGATIVE TERMINAL OF THE IGNITION COIL MUST BE CONNECTED TO THE COLLECTOR OF Q3. TO MAKE THE OUTPUT POWER ALMOST DOUBLE, YOU CAN CONNECT THE POSITIVE TERMINAL OF THE IGNITION COIL TO 24VDC INSTEAD OF 12VDC. OR INSTEAD OF USING TWO POWER SUPPLIES, YOU CAN USE A 6V MOTORCYCLE IGNITION COIL.

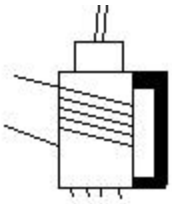
CIRCUIT #2



THE ABOVE CIRCUIT CAN BE MADE BETTER BY MAKING THE 4.7nF CAP VARIABLE. BY DOING THIS YOU CAN ALTER NOT ONLY FREQUENCY BUT ALSO THE WIDTH OF EACH PEAK OF PLASMA HF/HP.

FOR THIS CIRCUIT YOU WILL NEED TO TAKE A REGULAR FLYBACK TRANSFORMER AND TRY ONE OF TWO THINGS TO MAKE IT WORK.

YOU WILL NEED TO TRY WRAPPING #26 MAGNET WIRE AROUND THE CENTER OF THE COIL.
OR YOU CAN TRY WRAPPING THE WIRE AROUND THE FERRITE ARM.



YOU CAN ALSO TRY FINDING THE TWO PINS ON THE BOTTOM OF THE FLYBACK TO USE AS THE PRIMARY.