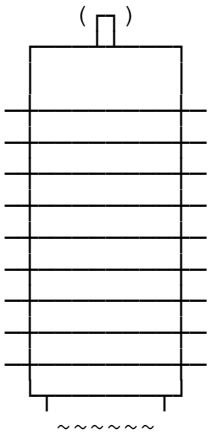
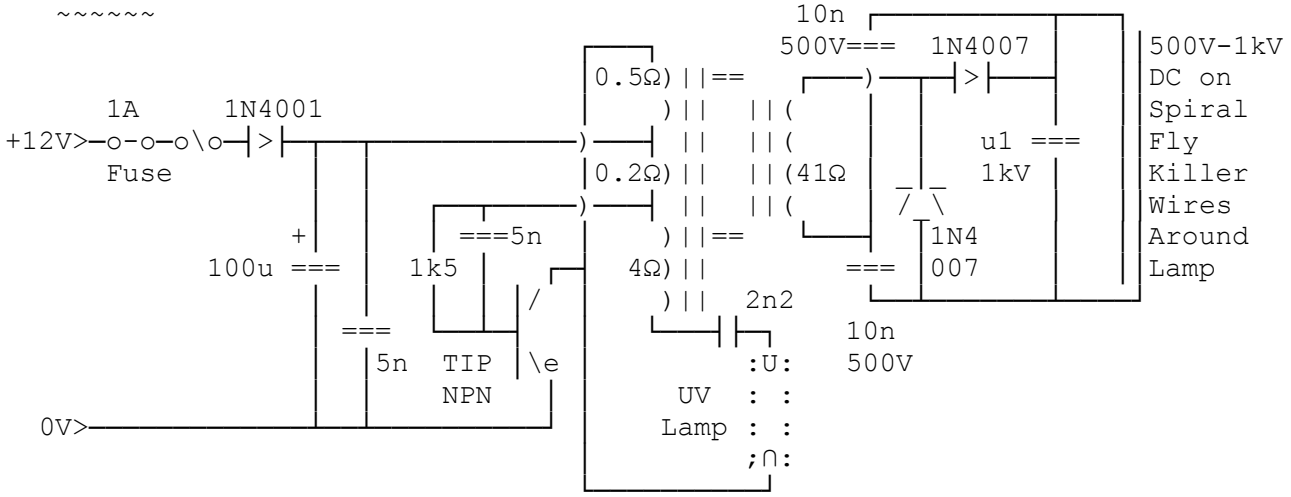
12V Fluorescent Tube Fly Zapper

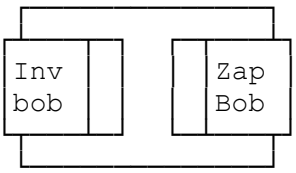
By G8MNY (Updated Jul 09)
(8 Bit ASCII Graphics use code page 437 or 850)



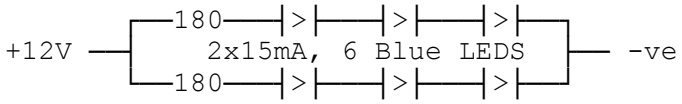
I had to repair mine
again recently,
so I made a note
of the circuit.



It uses a standard E ferrite transformer core except there are two bobbins one on each end rather the one in the middle. This magnetically isolates the high voltage fly killer circuit & it can be shorted out or not without affecting the UV lamp inverter much.



If the UV tube gives up, try a double sided PCB with 2 rows of blue LEDs mounted instead of the lamp & across 12V...



And to reduce the inverter power, add a 10n across Collector to Emitter & change the 1k5 to 12k for 75mA @ 12V total load.

See also my Tech bul on "Fluorescent 12V Dimmers"

Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP