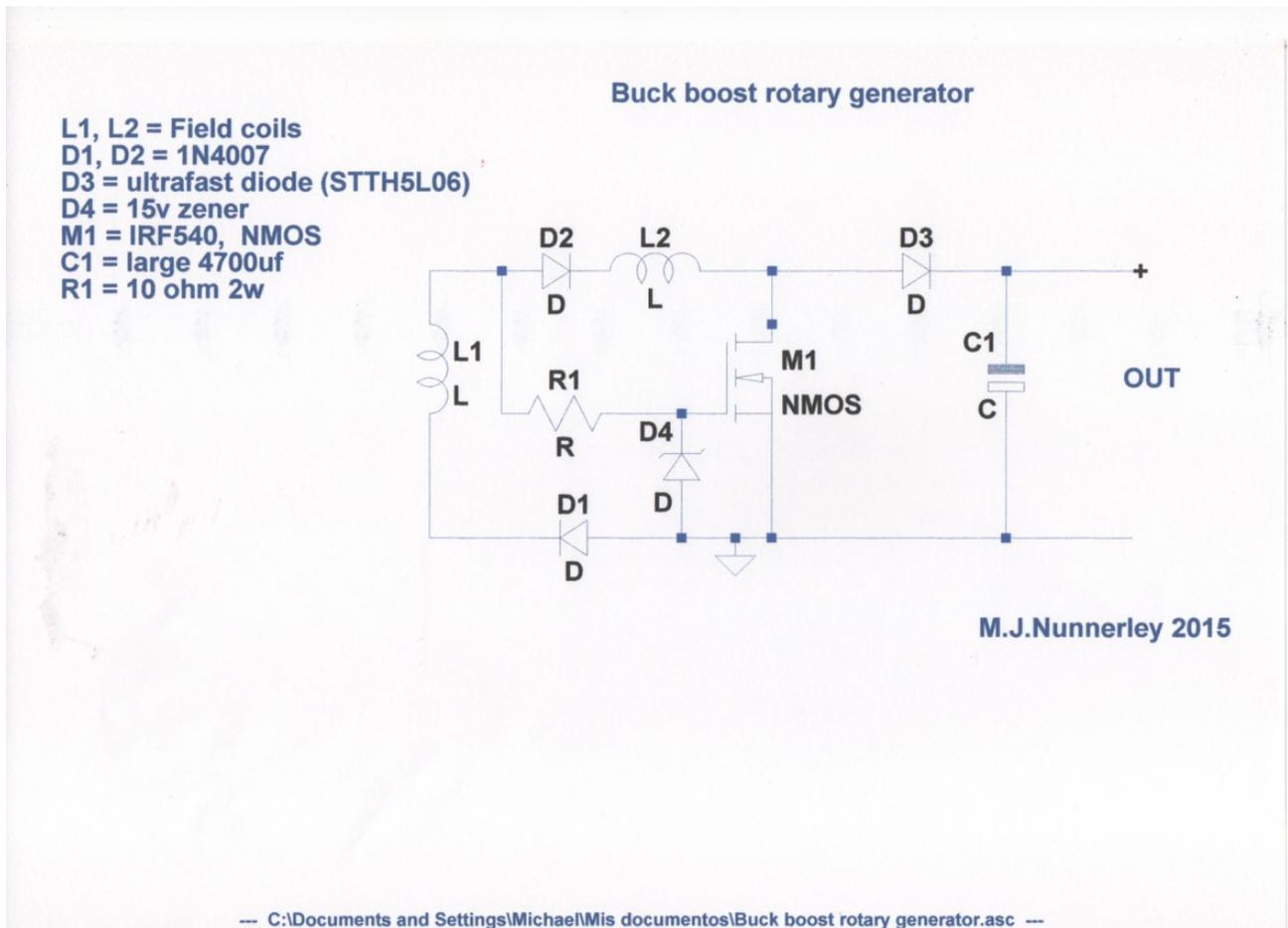


Buck boost rotary generator



L1 and 2 are the field coils of an universal motor.

When M1 switches on with the signal from L1, L2 charges to the voltage output of L1 plus the current induced by the rotor.

When M1 switches off the voltage and current of L1 adds to the stored energy in L2 and as so increasing the energy output.

At the same time the input current to the rotor drops due to an aiding of movement of the rotor.

To make this work L1 and L2 have to be connected in the right phase so as not to be counter productive. Each coil can be checked for direction of current flow with the rotor running, then after connected as per the circuit above.

For those in the art, it will be seen that the circuit is a buck boost DC to DC, but here we have an added input when in the right phase, of the rotor creating an added effect of further boost into the charge coil L2 giving not only a voltage boost, but also a current boost.