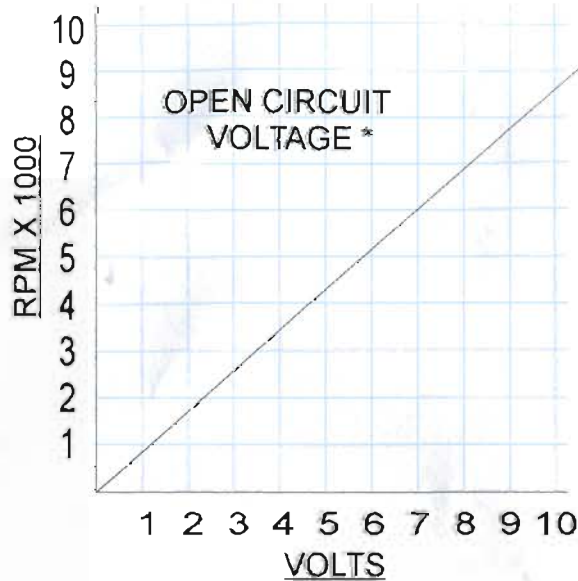
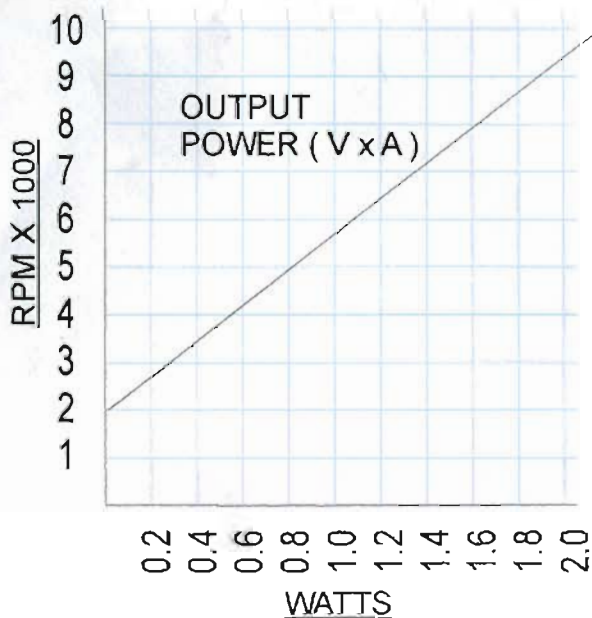




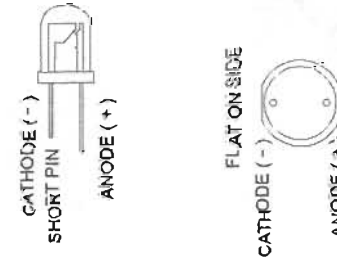
MODEL DYNAMO



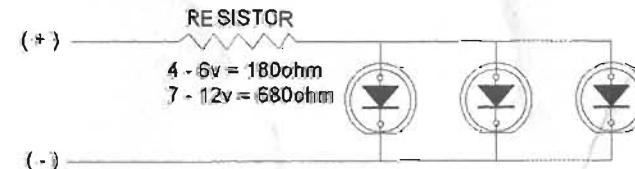
* VOLTAGE WILL FALL WHEN CONNECTED TO A LOAD



THE RED LEAD IS POSITIVE (+) WHEN ROTATION IS ANTICLOCKWISE VIEWED FROM THE FRONT, PULLEY END. POLARITY IS REVERSED WHEN DRIVEN CLOCKWISE, THE BLACK LEAD THEN BECOMES POSITIVE. IF USING L.E.D'S THE (+) LEAD SHOULD BE CONNECTED TO THE ANODE & (-) LEAD TO THE CATHODE, THE PINS CAN BE IDENTIFIED AS FOLLOWS :-



THE DYNAMO WILL PRODUCE AN INCREASING VOLTAGE AS THE SPEED INCREASES, AS CAN BE SEEN FROM THE GRAPH. A SMALL ENGINE SUCH AS A MAMOD OR WILESCO WILL ONLY HAVE SUFFICIENT POWER TO LIGHT A SMALL BULB (1.5 - 2.5v 0.2 amp) OR L.E.D'S, HOWEVER L.E.D'S USE A TINY AMOUNT OF CURRENT AND 12 OR MORE MAY BE POWERED BY FOR EXAMPLE A MAMOD TRACTION ENGINE FOR AN ENGINE OF THIS SIZE IT IS ADVISABLE TO RUN THE DYNAMO USING THE GROOVE IN THE FLYWHEEL HUB, GIVING AN R.P.M. OF ABOUT 2500 AT THE DYNAMO, THIS IS THE MAXIMUM SPEED FOR POWERING L.E.D'S, ABOVE THIS AND A SERIES RESISTOR MUST BE USED TO REDUCE THE VOLTAGE.



LARGER ENGINES WILL BE CAPABLE OF DRIVING THE DYNAMO FASTER AND NUMEROUS BULBS CAN BE POWERED