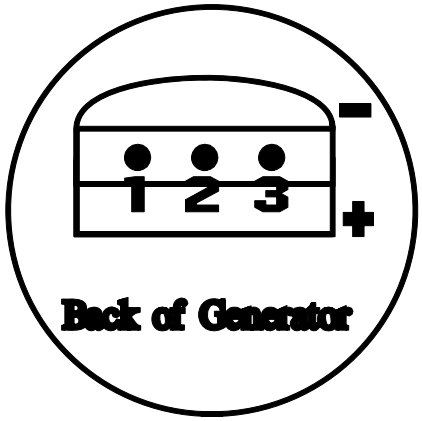
TESTING FULL WAVE RECTIFIER OF BRUSHLESS GENERATOR

USING A HAND HELD VOLT METER WITH A DIODE CHECK CIRCUIT TO CHECK THE DIODES THE FOLLOWING READINGS WERE OBTAINED. THE TEST ARE PUT ON THE (-) HEAT SINK AND ON THE 3 POSTS WITH 8-32 THREADS. ALSO TEST FROM THE (+) HEAT SINK TO THE 3 POSTS



BLACK TEST LEAD on (-)	*RED TEST LEAD ON (-)*
RED TO # 1 INFINITY	BLACK TO #1 400 to 600 ohms
RED TO # 2 INFINITY	BLACK TO #2 400 to 600 ohms
RED TO #3 INFINITY	BLACK TO #3 400 to 600 ohms

BLACK TEST LEAD on (+)	*RED TEST LEAD ON (+)*
RED TO # 1 400 to 600 ohms	BLACK TO # 1 INFINITY
RED TO # 2 400 to 600 ohms	BLACK TO # 2 INFINITY
RED TO # 3400 to 600 ohms	BLACK TO # 3 INFINITY

AS THE LEADS ARE SWAPPED ON THE + OR - HEAT SINK TO A POST (1, 2 OR 3) THE READINGS GO FROM A LOW READING, ABOUT 450 OHMS, TO INFINITY. THIS INDICATES A GOOD DIODE.

OPEN CIRCUIT VOLTAGE MEASURED ON THE AC WIRES OUT OF THE GENERATOR AND DC VOLTAGE OUT OF THE FULL WAVE RECTIFIER.

RPM	WIND SPEED	AC VOLTS	DC VOLTS	AMPS to BATTERY
380	**6-7 kn**	**12.5**	**15.9**	**2**
460	10-11 kn	16.5	21.7	5
720	15-16 kn	24.9	33.1	10,5

TO TEST THE WINDING RESISTANCE OF THE GENERATOR PLACE TEST LEADS TO 2 OF THE 3 LEADS COMING OUT OF THE GENERATOR. READINGS SHOULD BE ABOUT 1.5 OHMS. IF ONE MEASURES OPEN IT MAY BE A BAD THERMAL CIRCUIT BREAKER, T.C.B.