

Snowman SSG Potentiometer Test w/ 8 trans board #1

2/1/2014 (100 ohm 12 watt)

Run	Ohms	RPM	Output Amps	Input Amps	Ratio
1	0.0	256	1.92	0.93	0.48
2	20.0	271	1.00	0.45	0.45
3	16.6	275	1.43	0.69	0.48
4	18.6	276	1.32	0.65	0.49
5	13.0	274	1.51	0.73	0.48
6	12.0	274	1.51	0.71	0.47
7	10.0	269	1.65	0.80	0.48
8	6.6	265	1.75	0.89	0.51
9	2.2	258	1.85	0.95	0.51

Comments:

Run 1 - Starts very smoothly w/o rumbling; accelerates very well

Run 2 - Adjusted resistance while running; stopped wheel and restarted. Growled on start w/ max rpm 160

Run 3 - Starts slowly and runs smoothly: acceleration OK

Run 4 - Adjust ohms while running; stopped wheel and restarted, very slow accel up to 155 rpm then picks up acceleration to 276 rpm

Run 5 - Starts smoothly and accelerates to speed well. Similar to next run.

Run 6 - Regular 12 ohm trigger resistor. Some rumble on start but accelerates rapidly to speed.

Run 7 - Smooth acceleration. Quieter start than previous run

Run 8 - Very smooth on startup, does not take much to get it to accelerate

Run 9 - Same as above, but quieter.

Note: As resistance value was progressively increased for trigger beyond 20 ohms the rpm began to drop: at maximum 100 ohm value the rpm had decreased down to 140

Gap remained at 3/32" throughout the above runs - no changes.