

Coleman Lantern Generators

Part Number	Fuel	Candle Power	Lantern Model	Gas Tip Stamp	Orifice Diameter	Obsolete / Available	Building a Replacement & Notes	Length ***		Dia @ Top	Dia @ Body	Dia @ Bottom	Tip Cleaning Rod Length	Stuffing Material	Generator Material
G2	C Fuel	125	222	4	0.005"	Obsolete / Available	Replaced by the G2A	3.045"		0.185"	0.250"	0.310"	3.080"	tip cleaning rod steel spring & cardboard	brass
G2A	C Fuel	125	222-a-b	4	0.005"	Obsolete/ Available	Replaced by the 222A-2991	3.045"		0.185"	0.250"	0.310"	3.080"	tip cleaning rod steel spring & cardboard	brass
				T	0.0055"										
G3	C Fuel	350	331 335 321-a-b	E	0.0075"	Obsolete/ Available	Replaced by the G3A	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass
				C	0.008"										
G3A	C Fuel	350	321C 335P	6	0.007"	Obsolete/ Available	Replaced by the 335B-2991	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass
				E	0.0075"										
G4	C Fuel	300	325	6	0.007"	Obsolete/ Available	Replaced by the 325-2991	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass
G5	C Fuel	500	625	R	0.009"	Obsolete/ Available	Replaced by the 635-2991	4.545"		0.250"	0.250"	0.310"	4.585"	tip cleaning rod steel spring & cardboard	brass
G6	C Fuel	500	635 621-a-b-c	R	0.009"	Obsolete/ Available	Replaced by the 635-5891	4.545"		0.250"	0.250"	0.310"	4.585"	tip cleaning rod steel spring & cardboard	brass
G6A	C Fuel	500	621D	R	0.009"	Obsolete/ Available	Replaced by the 635-5891	4.545"		0.250"	0.250"	0.310"	4.585"	tip cleaning rod steel spring & cardboard	brass
G7	C Fuel	300	325A	6	0.007"	Obsolete/ Available	Replaced by the 325-2991	3.500"		0.250 "	0.250"	0.310"	3.495"	tip cleaning rod steel spring & cardboard	brass
G8	C Fuel	N/A	519 Heater	C	0.008"	Obsolete / Unavailable		4.450"		0.250"	0.250"	5/16 40 TPI	4.970"	tip cleaning rod steel spring & cardboard	brass
G9	C Fuel	500	625A	R	0.009"	Obsolete/ Available	Replaced by the 625A-2991	4.125"		0.250"	0.250"	0.310"	4.120"	tip cleaning rod steel spring & cardboard	brass
K3	Kerosene	350	339	3	0.006"	Obsolete/ Available ?	Cut K6 to K3 Length & Flare Use G3-a or G4 cleaning rod & 3 or TD Gas tip	3.925"		0.250"	0.310"	0.310"	3.955"	tip cleaning rod & 2 brass springs	brass

K6	Kerosene	550	639-a-b	E	0.0075"	Obsolete/ Available	Replaced by the 639B-2992	4.545"		0.250"	0.310"	0.310"	4.585"	tip cleaning rod & 2 brass springs	brass
				C	0.008"										
P3	Propane	300	5417	P	0.005"	Obsolete / Unavailable	Replaced by the 5417-299	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass
P5	Propane	300	5414	6	0.007"	Obsolete / Unavailable	Replaced by the 5414-299 Has 3/8" 24 TPI collar with ferule for sealing gen body in to the fuel valve. Gen has 0.110" offset in middle of gen body	3.590"		0.185"	0.185"	0.185"	NA	none	brass
P9	Propane	300	5419	I	0.0085"	Obsolete / Unavailable	Has 3/8" 24 TPI collar with ferule for sealing gen body in to the fuel valve	4.810"		0.185"	0.185"	0.185"	NA	none	brass
P10	Propane	300	5419A	I	0.0085"	Obsolete / Unavailable	Has 3/8" 24 TPI collar with ferule for sealing gen body in to the fuel valve	5.585"		0.185"	0.185"	0.185"	NA	none	brass
T44	C Fuel	300	275 220 228, lamps 118-158	V	0.008"	Obsolete/ Available	Canadian built replacement Gens can have C or V Gas tip. While U.S Built ones have V Gas tip * See Below Replaced by the 220E-5891	3.575"		0.250"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	brass
				C	0.008"										
T44DL	C fuel	300	275 220 228, lamps 118-158	V	0.008"	Obsolete / Unavailable	Double Life Gen Replaced by the 220E-5891	3.575"		0.250"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	nickle plated brass
T44G	Kero-C fuel	300	220BX, lamps 117A 118A 119A 132-a 133 134a-g-p 139 150B-g-i-r	V	0.008"	Obsolete/ Available	The T44 and T44G are interchangeable If Kero is to be used the cardboard and steel spring in the T44 should be replaced with a solid brass spring Replaced by the 220E-5891	3.575"		0.250"	0.250"	0.250"	3.615"	Tip cleaning rod & Asbestos type rope around a steel spring	brass
T44GS	C Fuel	300	See T44-G-DL	V	0.0075"	Obsolete/ Available	Has a steel generator body possibly a wartime measure to save brass Replaced by the 220E-5891	3.575"		0.250"	0.250"	0.250"	3.615"	Tip cleaning rod & Asbestos type rope around a steel spring	steel body & brass gas tip
T44K	Kerosene	?	235 lamps129-a-g 138a-b 150bk-gk-ik-rk	V	0.008"	Obsolete / Unavailable	Replaced by the 231-2991 See 231-2991 for building a replacement	3.560"		0.250"	0.250"	0.250"	crimped in	tip cleaning rod - ? (Internals crimped in)	brass
T51 (151-299)	C Fuel	450	lamps 151-b	Δ (triangle)	0.0095"	Obsolete / Available	The 151 was a 3 mantle Lamp The T51 was replaced by the 236-299	4.845"		0.250"	0.250"	0.250"	4.900"	Tip cleaning rod & Asbestos type rope	brass
T66	C Fuel	300	200-a 202 234 242-a-b-c-e 243-a	6	0.007"	Obsolete/ Available	Replaced by the 200A-5891	3.575"		0.185"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	brass
T66DL	C Fuel	300	200-a 202 234 242-a-b-c-e 243-a	6	0.007"	Obsolete / Unavailable	Double Life Gen Replaced by the 201-5891	3.575"		0.185"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	nickle plated brass
TK66	Kerosene	350	241-a-b-g-k 242k 245 247	3	0.006"	Obsolete/ Available	Replaced by the 201-5891	3.575"		0.185"	0.250"	0.250"	3.615"	tip cleaning rod & brass spring	brass

T88	C Fuel	300	L220 L228, lamps 117 118 119 (slant generator)	Q	0.008"	Obsolete / Unavailable	Use R55 A correct replacement can be built using the 603-299 iron gen change tip gas tip to Q	4.480"		0.185"	0.185"	0.185"	4.850"	tip cleaning rod & steel spring	brass
Q77	C Fuel	300	220 228 lamps 117 118 119 (slant generator)	Q	0.008"	Obsolete / Unavailable	Use R55 Cut a P9 to the correct length and flare the end & use Q Gas tip. Note: stuffing-filter material will need to be found.	4.480"		0.185"	0.185"	0.185"	NA	wire wound in asbestos	brass
Q99	C Fuel	300	Quicklite CQ lamps L-Q 327 427	Q	0.008"	Obsolete / Unavailable	Use R55 Has 4 sided 5/16" 27 TPI retaining nut (Q99 has a loop for match preheating a pre heat cup may be necessary with the R55 to prevent flaming)	5.00"		0.185"	0.185"	0.185"	NA	wire wound in asbestos	brass & steel nut
Q99 (Newer Production)	C Fuel	300	Quicklite CQ lamps L-Q 327 427	V	0.008"	Available	Newer Production Q99 Has 6 sided 5/16" 27 TPI retaining nut	5.00"		0.185"	0.185"	0.185"	NA	wire wound in asbestos	brass & steel nut
R55	Kero-C fuel	300-350	All Q77 Q99 T88 applications 427K Lamps 102K 143A 141 141A 128C 329BC 156 R157 158 159 159X 168K 169K	Q	0.008"	Obsolete / Unavailable	Has built in roto cleaning lever Has been replaced with 155 B292 Has 4 sided 5/16" 27 TPI retaining nut New Replaced by 155-B292	4.450"		0.185"	0.250"	0.185"	3.740"	filter screen - cleaning rod	brass & steel nut
155 B292 (R55)	Kero-C fuel	300-350	See R55	V	0.008"	Available	Has built in roto cleaning lever Newer production R55. Has 6 sided 5/16" 27 TPI retaining nut	4.450"		0.185"	0.250"	0.185"	3.740" Has 5/16" 27 TPI retaining sleeve on bottom	filter screen - cleaning rod	brass & steel nut
236-299	C Fuel	500	236 236A (Primus 1060)	Δ (triangle)	0.0095"	Obsolete/ Available	Use cleaning rod,small spring from 237 & gas tip R or D from G5 G6-a or G9 on 236 body	4.845"		0.250"	0.250"	0.310"	4.900"	tip cleaning rod steel spring & cardboard	brass
237-299	Kerosene	550	237-a U.S built 237B	I	0.0085"	Obsolete / Unavailable	Canadian Built	4.845"		0.250"	0.375"	0.375"	4.900"	tip cleaning rod & 2 brass springs	brass
237-2991	Kerosene	550	237-a U.S built 237B	I	0.0085"	Available	U.S Built	4.845"		0.250"	0.375"	0.375"	4.900"	tip cleaning rod & 2 brass springs	brass
237A-299	Kerosene	550	U.S built 237B	V	0.008"	Obsolete / Unavailable	Built for the U.S 237B Replaced with the 237-299/2991 New Old Stock Can still be found	4.860"		0.250"	0.375"	0.375"	4.900"	tip cleaning rod & 2 brass springs	brass
238B-299	Kerosene	500	238 238B 238BG	None (d)	0.0085"	Obsolete / Unavailable	Generator is machined from a solid piece of 5/8" brass bar stock, By far the heaviest built Coleman Lantern gen. Generator has raised rings along the body	5.165"		0.330"	Rings Dia. 0.380"-0.562" Width 0.125"-0.075"	0.380"	5.800"	tip cleaning rod & 2 brass springs	brass
249-299	Kerosene	350	249-d-e	+	0.006"	Obsolete / Unavailable	Canadian Built	3.585"		0.375"	0.375"	0.375"	3.615"	tip cleaning rod & 2 brass springs	brass
249-299	Kerosene	350	249-d-e	+	0.006"	Obsolete / Unavailable	U.S Built Possible war time production	3.585"		0.375"	0.375"	0.375"	3.615"	tip cleaning rod & 2 steel springs	steel
249-299	Kerosene	350	249-d-e	+	0.0065"	Obsolete / Unavailable	U.S Built	3.585"		0.375"	0.375"	0.375"	3.615"	tip cleaning rod & 2 brass springs	brass
249-2991	Kerosene	350	249-d-e	+	0.007"	Obsolete / Unavailable		3.585"		0.375"	0.375"	0.375"	3.615"	tip cleaning rod & 2 brass springs	brass
252	Dual Fuel	300	252-a Mil Spec	None	0.0045"	Obsolete/ Available (U.S Military Surplus)	J shaped generator (mil spec lantern for the U.S Armed Forces) ** See Below	8.635" Total 6.650" Tall		0.185"	0.250"	0.250"	NA	asbestos type rope	aluminum / brass gas tip
200A-5891	C Fuel	300	200-a 202 234 242-a-b-c-e 243-a	6	0.007"	Available	New replacement for the T66	3.575"		0.185"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	brass

201-5891	Kerosene	350	201	TD	0.006"	Available	New replacement for the TK66	3.570"		0.185"	0.250"	0.250"	3.615"	tip cleaning rod & brass or aluminum spring	brass
206A-5891	Kerosene	550	206	V	0.008"	Available		3.575"		0.250"	0.250"	0.250"	3.615"	tip cleaning rod & brass spring	brass
214-5891	Kerosene	350	214	TD	0.006"	Available	Kero version of the 288-5891 Gen Replaced by the 214A-5891	3.595"		0.250"	0.250"	0.310"	3.615"	tip cleaning rod & aluminum spring	brass
214A-5891	Kerosene	350	214	T (a)	0.006"	Available	Replaced by the 214B-5891	3.595"		0.250"	0.250"	0.310"	3.615"	tip cleaning rod & aluminum spring	brass
214B-5891	Kerosene	350	214	T (a)	0.006"	Available	Replacement for the 214-a-5891	3.595"		0.250"	0.250"	0.310"	3.615"	tip cleaning rod & aluminum spring, spring is tightly wound for half it's length	brass
220E-5891	C Fuel	300	275-a 220 228 118-158 lamps	V	0.008"	Available	Replacement for the T44	3.575"		0.250"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	brass
222A-2991 (Early)	C Fuel	125	222-a-b 3022	T	0.0055"	Available	Replaced by the 226-2991	3.045"		0.185"	0.250"	0.310"	3.080"	tip cleaning rod steel spring & cardboard	brass
222A-2991 (Late)	C Fuel	125	222-a-b 3022	T	0.0055"	Available	Replaced by the 226-2991	3.045"		0.185"	0.310"	0.310"	3.080"	tip cleaning rod - ? (Internals crimped in)	brass
226-2991	Dual Fuel	125	229 226 266-700	None	0.006"	Available		3.045"		0.185"	0.310"	0.310"	3.080"	tip cleaning rod - ? (Internals crimped in)	brass
231-5891	Kerosene	550	231	6	0.007"	Obsolete/ Unavailable	Replacement for the T44K.The 231 Was an export Kero version of the 220 basically a modern 235. Use cleaning rod and 6 gas tip from the T66 (aka 200A-5891) in a T44 (aka 220E-5891) Gen. The V tip in the original T44K Gives poor results on modern fuels	3.575"		0.250"	0.250"	0.250"	3.615"	tip cleaning rod & brass spring	brass
285-5891	Dual Fuel	300	282 285	P	0.0075"	Available	Some early gens have additional brass soldered on to the body to increase heat absorption	3.585		0.250"	0.310"	0.310"	crimped in	tip cleaning rod - ? (Internals crimped in)	brass
				P (a)	0.008"										
285A-5891	C Fuel, Unleaded Gasoline, Gasahol (E10)	300	285A	P (a)	0.008"	?	Gen 285-5891 should work Select-E-Fuel 285A Was designed to burn up to a 10% Ethanol Gasoline Mix	3.585		0.250"	0.310"	0.310"	crimped in	tip cleaning rod - ? (Internals crimped in)	brass
288-5891	C Fuel	300	200B 286-a 288	P	0.007"	Available		3.595"		0.250"	0.250"	0.310"	3.615"	tip cleaning rod steel spring & brass spring	brass

				U												
288-5891	C Fuel	300	200B 286-a 288	P (a)	0.007"	Available		3.595"		0.250"	0.250"	0.310"	3.615"	tip cleaning rod steel spring & brass spring	brass	
290-5891	C Fuel	300	290 290A CL	V	0.009"	Obsolete/ Available	Replaced by the 290-589C	4.535"		0.250"	0.310"	0.310"	4.585"	tip cleaning rod & 2 brass springs	brass	
290-589C	C Fuel	300	290 290A CL	None	0.009"	Available	Replacement for the 290-589C	4.535"		0.250"	0.310"	0.310"	4.585"	tip cleaning rod & 2 brass springs	brass	
295-5891	Dual Fuel	300	295	V	0.009"	Available	Some early gens have additional brass solderd on to the body.	4.535"		0.250"	0.310"	0.310"	crimped in	tip cleaning rod - ? (Internals crimped in)	brass	
				V (a)	0.009"											
325-2991	C Fuel	300	325	6	0.007"	Available	Replacement for the G4	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass	
325-2991	C Fuel	300	325	None (a)	0.0065"	Available	Replacement for the G4	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass	
325A-2991	C Fuel	300	325A	?		Available	Replacement for the G7								brass	
335B-2991	C Fuel	300	331 335 321-a-b-c	6	0.007"	Available	Replacement for the G3-a	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass	
				6 (a)	0.007"											
625A-2991	C Fuel	500	625-a	?		Available	Replacement for the G9								brass	
635-2991	C Fuel	500	635 621-a-b-c	?		?	Replacement for the G5&G6-a									
635-5891	C Fuel	500	635B	R (a)	0.0095"	Available		4.535"		0.250"	0.310"	0.310"	crimped in	tip cleaning rod - ? (Internals crimped in)	brass	
639A-2992	Kero	550	639-a-b	?		Obsolete/ Available	Replaced by the 639B-2992									
639B-2992	Kero	550	639-a-b	None (a)	0.009"	Available	Replacement for the 639A-2992	4.545"		0.250"	0.310"	0.310"	4.560"	tip cleaning rod & 2 brass springs	brass	
2000-589R	Dual Fuel	550	2000-700 2000-750-a (Northstar)	V (a)	0.009"	Available		4.545"		0.250"	0.310"	0.310"	4.560"	tip cleaning rod & 2 brass springs	brass	
5104-299	Butane	300	5104 5121	F	0.0055"	Obsolete / Unavailable	Use T66 or TK66 with F gas tip	3.575"		0.185"	0.250"	0.250"	3.615"	tip cleaning rod steel spring & cardboard	brass	
5105-505	Butane	300	5101	3	0.006"	Obsolete / Unavailable	Use T66-TK66 body remove cleaning rod use 3 gas tip and add suitable stuffing.	3.575"		0.185"	0.250"	0.250"	NA	1" of Asbestos type rope Brass filter screen	brass	
				T1	0.00575"		Gas tip is stamped T1 tip but the box is listing it as a 3 tip								nickle plated brass	
5107-5891	Propane	300	5107-a	I	0.0085"	Available	Has ferule for sealing gen to fuel valve	4.500"		0.185"	0.185"	0.185"	NA	none	brass	
5114-5891	Propane	300	5114 5114A 5114A	TS	0.010"	Available	Has ferule for sealing gen to fuel valve	4.190"		0.185"	0.185"	0.185"	NA	none	brass	

5114B-5891	Propane	300	5114B 5179-700	TS	0.010"	Available		3.560"		0.250"	0.250"	0.250"	NA	aluminum spring	brass
5120-5891	Butane	300	5120	F	0.0055"	Obsolete / Unavailable	Has built in roto cleaning lever Bottom 0.60" Angled 45 Degrees off center	4.800"		0.185"	0.185"	0.185"	?	filter screen - cleaning rod	brass
5122-5891	Propane	300	5122	I	0.0085"	Available	Has built in roto cleaning lever Bottom 0.60" Angled 45 Degrees off center	5.350"		0.185"	0.185"	0.185"	?	filter screen - cleaning rod	brass
5414-299			5414				Replacement for the P5								
5417-299	Propane	300	5417	P	0.005"	Obsolete / Unavailable	Replacement for the P3	3.925"		0.250"	0.250"	0.310"	3.955"	tip cleaning rod steel spring & cardboard	brass

Coleman Iron Generators

Model Number	Fuel	BTU	Iron Model	Gas Tip Stamp	Orifice Size	Obsolete / Available	Building a Replacement & Notes	Length ***		Dia @ Top	Dia @ Body	Dia @ Bottom	Tip Cleaning Rod Length	Stuffing Material	Generator Material
603-299	C Fuel		3,4,8-a,10,12	I	0.0085"	Obsolete / Unavailable	Can be replaced with 604-299 Can be built out of a T88 lantern gen, change tip to I	4.480"		0.185"	0.185"	0.185"	4.850"	tip cleaning rod & steel spring	brass
604-299	C Fuel		3,4-a,8-a,10,12,603,609-a	I	0.0085"	Obsolete / Unavailable	Has built in roto cleaning lever	4.480"		0.185"	0.185"	0.185"	3.740"	filter screen - cleaning rod	brass & steel nut
				Q	0.008"										
604-2991	C Fuel		3,4-a,8-a,10,12,603,609-a	I	0.0085"	Obsolete / Unavailable	Has built in roto cleaning lever	4.480"		0.185"	0.185"	0.185"	3.740"	filter screen - cleaning rod	brass & steel nut
				Q	0.008"										
605-299			611a	D		Obsolete / Unavailable									
611-299	Kerosene		611	EB (c)	0.007"	Obsolete / Unavailable		3.355"		0.250"	0.250"	0.250"	3.615"	tip cleaning rod & steel spring	brass
615B-299	Kerosene		615A 602A	None (d)	0.006"	Obsolete / Unavailable		4.210"		0.310"	0.310"	5/16 40 TPI	4.650"	tip cleaning rod & steel spring	brass

Akron Lantern Generators

Model Number	Fuel	Candle Power	Lantern Model	Gas Tip Stamp	Orifice Diam	Obsolete / Available	Building a Replacement & Notes	Length ***		Dia @ Top	Dia @ Body	Dia @ Bottom	Tip Cleaning Rod Length	Stuffing Material	Generator Material
?	C fuel	?	103 107	None (b)	0.0075"	Obsolete / Unavailable	S shaped for match preheating The base of the generator is threaded and screws directly in to the fuel valve	4.230"		0.185"	0.185"	0.185"	NA	wire wound in asbestos	brass
Insta Glo	C fuel			None	0.0075"	Obsolete / Unavailable	Has rack and pinion set up for tip cleaner.	4.140"		0.312"	0.312"	10/40 TPI	4.866"	?	brass

American Gas Machine Generators

Model Number	Fuel	Candle Power	Lantern Model	Gas Tip Stamp	Orifice Diam	Obsolete / Available	Building a Replacement & Notes	Length ***		Dia @ Top	Dia @ Body	Dia @ Bottom	Tip Cleaning Rod Length	Stuffing Material	Generator Material
Ready Lite	C fuel	?	133 143G 301g 302g	None	0.008"	Obsolete / Unavailable	Roto type Gen, Rotolever about mid point on gen body. Has 4 sided 5/16" 27 TPI retaining nut. Can be replaced with the Coleman R55	4.450"		0.185"	0.185"	0.185"	?	filter screen - cleaning rod	brass & steel nut
458-073	C fuel		2572												

Justrite

Model Number	Fuel	Candle Power	Lantern Model	Gas Tip Stamp	Orifice Diam	Obsolete / Available	Building a Replacement & Notes	Length ***		Dia @ Top	Dia @ Body	Dia @ Bottom	Tip Cleaning Rod Length	Stuffing Material	Generator Material
?	C fuel	?	25 30	None	0.008	Obsolete / Unavailable	45 Degree male flare on base with 3/8" 26 tpi retaining nut. Gen has small unequal S curve for preheating	4.886		0.185"	0.185"	0.185"	NA	Asbestos type rope	brass

NOTES:

- (a) Later Style Larger 8/32 thread gas tip.
- (b) 8/56 Thread gas tip
- (c) 10/36 Thread gas tip
- (d) 1/4" 40 tpi (500 stove pattern gas tip)
- (a) Later Style Larger 8/32 thread gas tip.

1. C Gas tips in the T44 gen seem to work better in older 220-228s series lanterns than the V Gas tips with modern Fuels
2. 252 Light output is much lower than most standard pressure lanterns
3. Length variances of + or - 0.020" are not uncommon in 2991 suffix new style gens, especially the 335B-2991 gens

- A. All length measurements made with out gas tip
- B. All base measurements above flare unless noted
- C. Unfilled areas are due to a lack of information
- D. All measurements made with examples on hand
- E. Tip cleaning rod length is from base of rod to top of the pricker wire

A special thanks to **Neil McRae & Mike Heymann**. With out their help I would have never been able to do this.

Please feel free to e-mail me and help complete this list or to bring to my attention any errors

matthewq4b@hotmail.com

To Neil for technical assistance and information And Mike for being patient enough to school me on excel.
And to many others that have taken the time to make contributions to the list.
For personal use only no changes or modifications are allowed with out the consent of the Author.