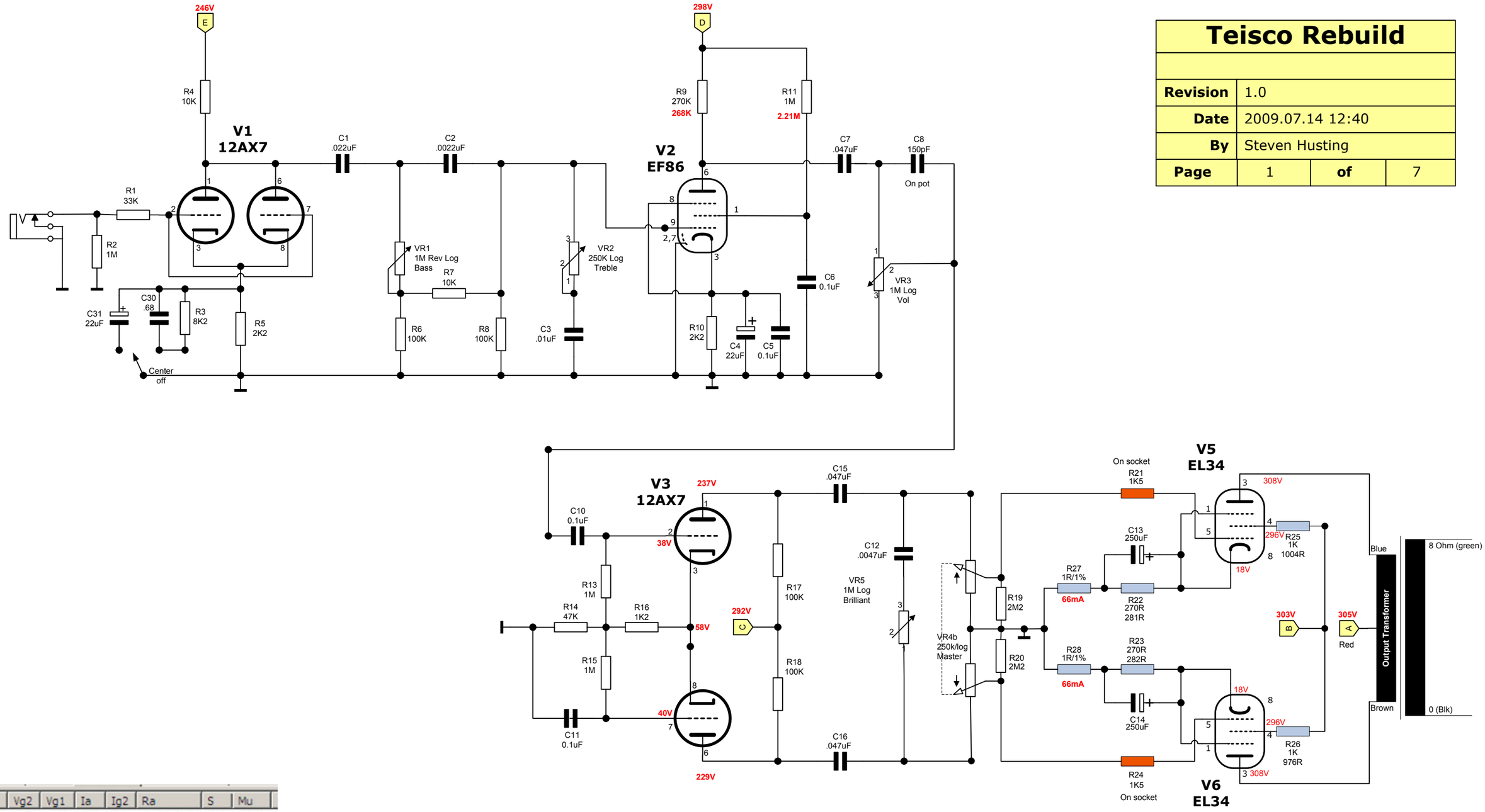
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Class	Va	Vg2	Vg1	Ia	Ig2	Ra	S	Mu
Pentode	250	140	-2.0	3.0	0.6	2,500,000	2.0	5000

Class	Va	Vg2	Vg1	Ia	Ig2	Ra	S	Rk	Zout	Pout	THD	Notes	Mu
A S/E	250	265	-14.5	70 - 73	10 -15	18,000	9		3,000	8	10	With Rg2 = 2000 ohms	162
A S/E	250	265	-13.5	100 - 105	14.9 - 29.0	15,000	11		2,000	11	10		165
AB1 P/P UL 43%	430	-	-	125 - 130	10.0 - 10.2			470	6,600	20	0.8	Shared Rg2 = 1000 ohms	
AB1 P/P UL 43%	430	-	-	125 - 140	10.0 - 15.0			470	6,600	37	1.3	Shared Rg2 = 1000 ohms	
AB1 P/P	315	375	-	150 - 190	23.0 - 45.0			130	3,400	35	5	Shared Rg2 = 470 ohms	
AB1 P/P	325	350	-32	70 - 190	9.5 - 50.0				3,800	36	6	Shared Rg2 = 470 ohms	
AB1 P/P	350	375	-32	70 - 240	9.5 - 50.0				2,800	44	5	Shared Rg2 = 470 ohms	
AB1 P/P	375	400	-38	60 - 200	8.8 - 50.0				4,000	45	6	Shared Rg2 = 1000 ohms	
AB1 P/P	400	425	-38	60 - 240	8.8 - 50.0				3,400	55	5	Shared Rg2 = 1000 ohms	
AB1 P/P	450	375	-36	60 - 204	8.0 - 50.0				5,000	58	6	Shared Rg2 = 750 ohms	
AB1 P/P	475	400	-36	60 - 250	8.0 - 50.0				4,000	70	5	Shared Rg2 = 750 ohms	
AB1 P/P	725	375	-39	50 - 168	6.0 - 38.0				11,000	90	6	Shared Rg2 = 750 ohms	
AB1 P/P	775	400	-39	50 - 182	6.0 - 38.0				11,000	100	5	Shared Rg2 = 750 ohms	
A S/E (triode)	375	-	-	70 - 73.5	-			370	3,000	6	8		
A P/P (triode)	400	-	-	130 - 142	-			220 shared	5,000	16.5	3	Pair of tubes	

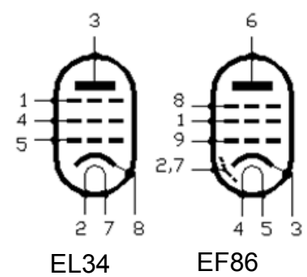
V1	**12AX7**
V2	**EF86**
V3	**12AX7**
V4	**12AX7**
V5	**EL34**
V6	**EL34**

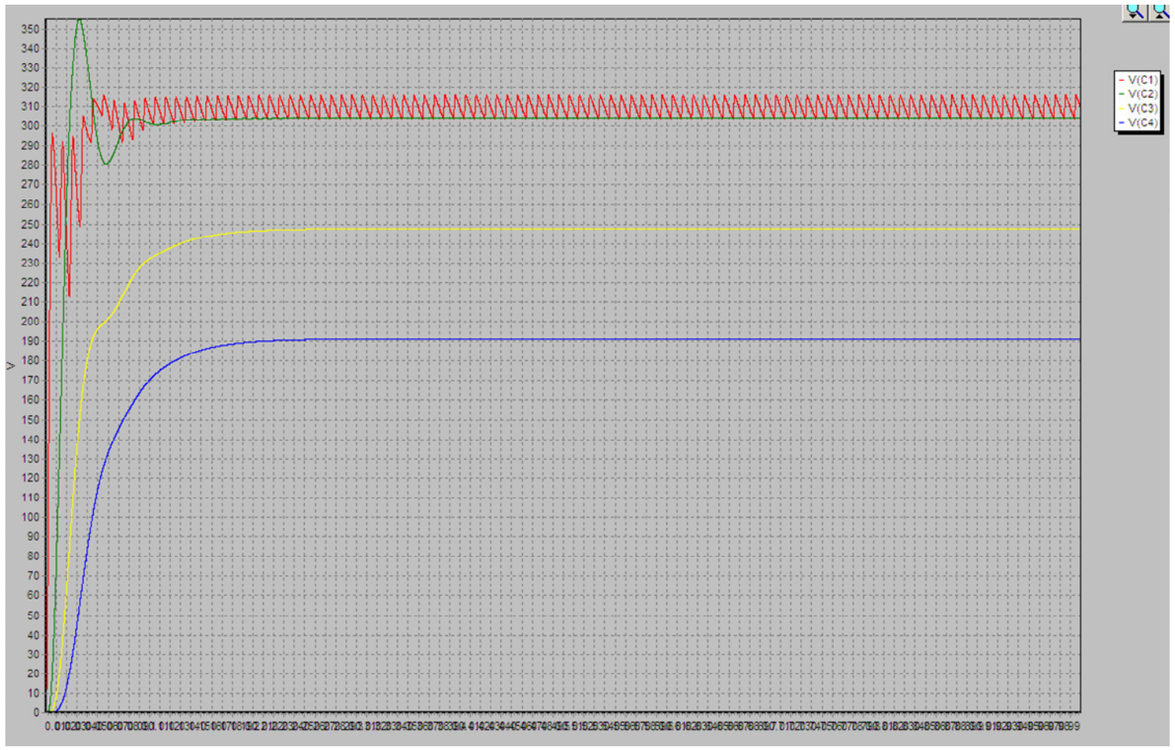
TUBE VOLTAGE CHART

	1	2	3	4	5	6	7	8	9
V1	235		2.24			235		2.24	
V2	106		2.32			159			
V3	237	38	58			229	40	58	
V4									
V5	18		302	296					
V6	18		303	294					

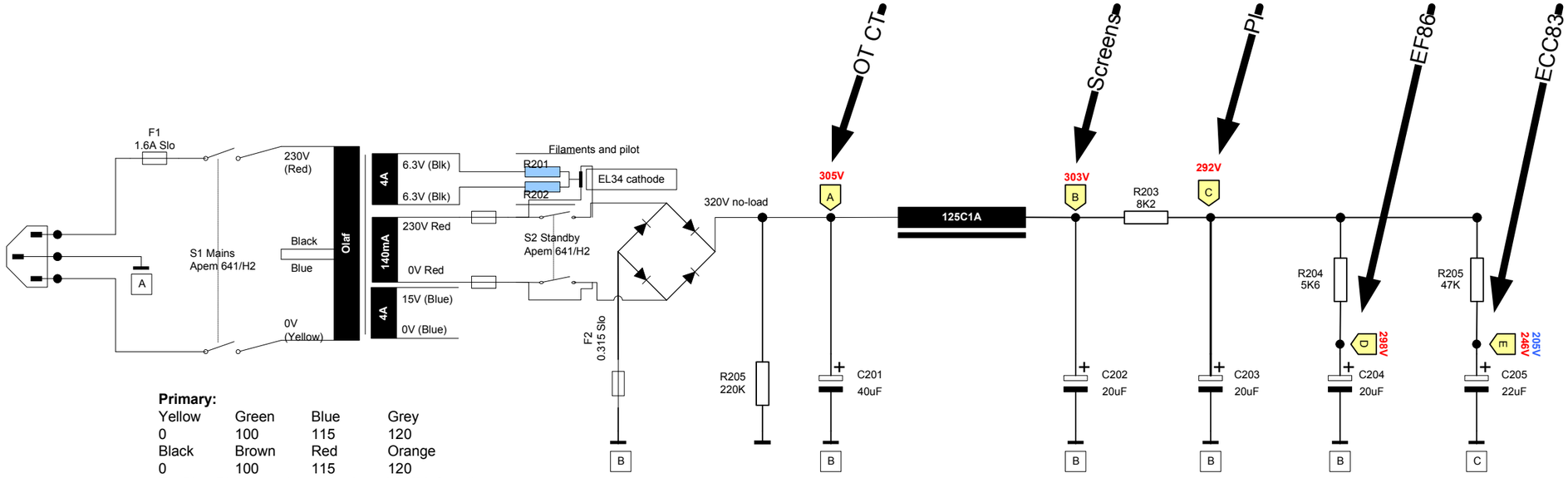
All controls maximum CCW (off)
Measured 23.6.2009

Range	Block
1-99	Main amp
100-199	Tremolo
200-299	Power supply





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Primary:

Yellow	Green	Blue	Grey
0	100	115	120
Black	Brown	Red	Orange
0	100	115	120

Tie Blue-Black together, 0 earth, red 230V (fused)

Secondary:

Blue/Blue	0-15V
Red/Red	0-230V
Black/Black	0-6.3V