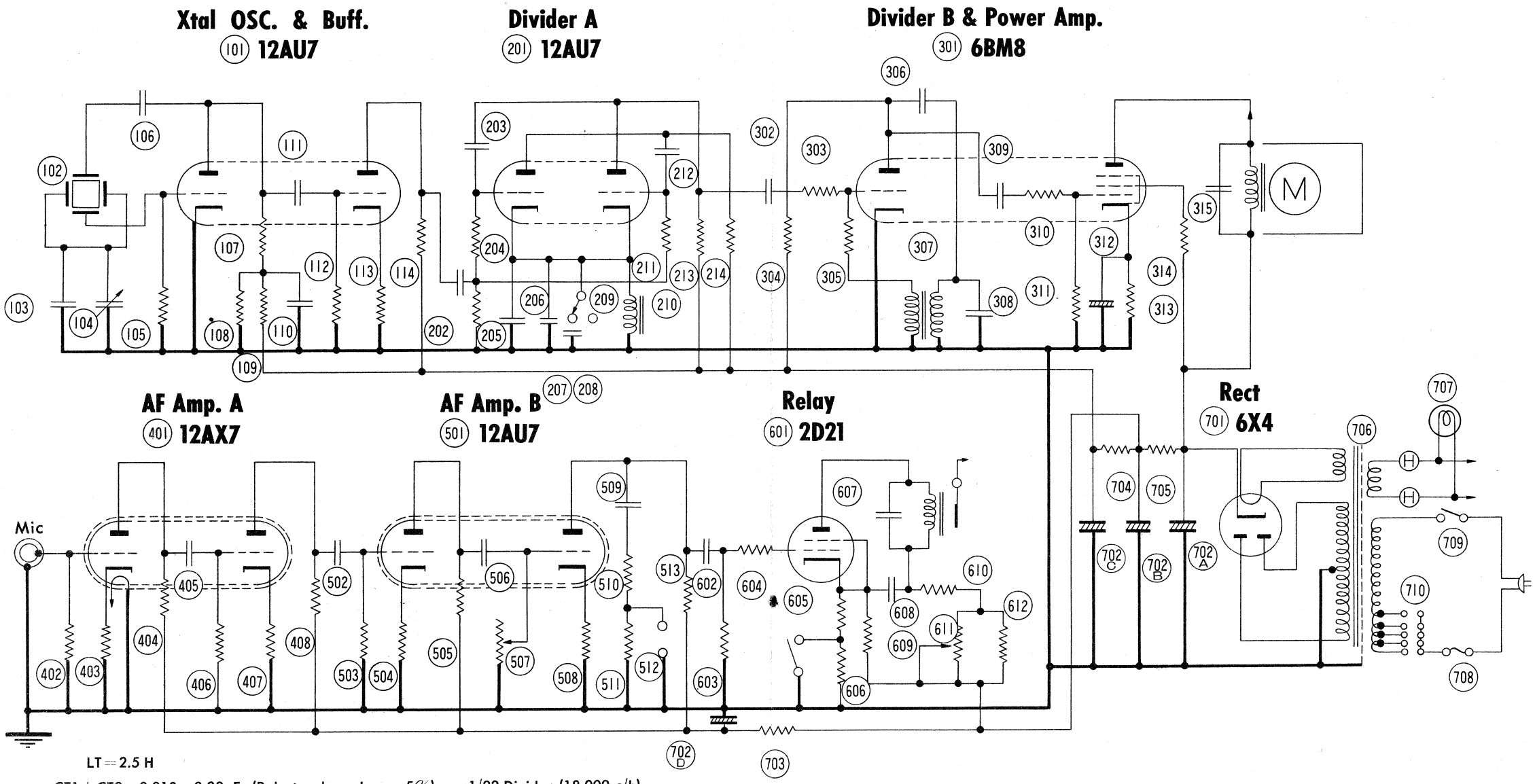
Circuit Diagram
for
Timegrapher Model P-61



LT = 2.5 H

CT1 + CT2 = 0.013 ~ 0.02 μF (Polystyrol condenser 5%).....1/22 Divider (18,000 c/h)
WV abobe 120V

CT1 + CT2 = 0.002 ~ 0.009 μF (Polystyrol condenser 5%).....1/20 Divider (19,800 c/h)

$CT3 = \frac{CT31\,min. + CT32\,max.}{2}$ CT31 = 0.01 ~ 0.018 μF, CT32 = 0.005 ~ 0.013 μF } ..... 1/4 Divider (18,000 c/h) (19,000 c/h)

All resistances : deviation 10%

Condensers : each deviation is indicated in the figure.

Parts List for Timegrapher Model P-61

101	Vacuum Tube	12AU7(ECC82)		
102	Crystal Oscillator	5.28Kc ±3×10⁻⁵ at10～50°C		
103	Adjust Condenser	30～200pF	400WV	±10%
104	Adjust Condenser	Max 50pF Variable		
105	Resistor	1MΩ	¼W	±10%
106	Condenser	0.01μF	400WV	±10%
107	Resistor	500KΩ	½W	±10%
108	Resistor	50KΩ	½W	±10%
109	Resistor	100KΩ	½W	±10%
110	Condenser	0.01μF	400WV	±10%
111	Condenser	0.01μF	400WV	±10%
112	Resistor	1MΩ	¼W	±10%
113	Resistor	1KΩ	¼W	±10%
114	Resistor	30KΩ	½W	±10%
201	Vacuum Tube	12AU7(ECC82)		
202	Condenser	250pF	400WV	±10%
203	Condenser	0.01μF	400WV	±10%
204	Resistor	150KΩ	½W	±10%
205	Resistor	15KΩ	½W	±10%
206	Condenser	0.033μF	100WV	±10%
207	Adjust Condenser	0.002～0.009μF	125WV	± 5%
208	Adjust Condenser	0.013～0.022μF	125WV	± 5%
209	Divid Switch			
210	Inductance Coil	2.5H		±0.1H
211	Resistor	150KΩ	½W	±10%
212	Condenser	0.01μF	400WV	±10%
213	Resistor	50KΩ	½W	±10%
214	Resistor	50KΩ	½W	±10%
301	Vacuum Tube	6BM8(ECL82)		
302	Condenser	200pF	400WV	±10%
303	Resistor	700KΩ	¼W	±10%
304	Resistor	50KΩ	½W	±10%
305	Resistor	60KΩ	¼W	±10%
306	Condenser	0.05μF	400WV	±10%
307	Dividing Transformer	BT-4X		
308	Adjust Condenser	0.01～0.013μF	125WV	± 5%
309	Condenser	0.02μF	400WV	±10%
310	Resistor	350KΩ	¼W	±10%
311	Resistor	500KΩ	¼W	±10%
312	Condenser	10μF	50WV	
313	Resistor	400Ω	2W	±10%
314	Resistor	10KΩ	2W	±10%
315	Condenser	0.2μF	600WV	±10%

401	Vacuum Tube	12AX7(ECC83)		
402	Resistor	4MΩ	½W	±10%
403	Resistor	2KΩ	¼W	±10%
404	Resistor	100KΩ	½W	±10%
405	Condenser	250pF	400WV	±10%
406	Resistor	500KΩ	¼W	±10%
407	Resistor	2KΩ	¼W	±10%
408	Resistor	100KΩ	½W	±10%
501	Vacuum Tube	12AU7(ECC82)		
502	Condenser	250pF	400WV	±10%
503	Resistor	500KΩ	¼W	±10%
504	Resistor	2KΩ	¼W	±10%
505	Resistor	50KΩ	½W	±10%
506	Condenser	250pF	400WV	±10%
507	Resistor	500KΩ	A Variable	
508	Resistor	2KΩ	¼W	±10%
509	Condenser	250pF	400WV	±10%
510	Resistor	250KΩ	¼W	±10%
511	Resistor	250KΩ	¼W	±10%
512	Receiver	Crystal Earphone		
513	Resistor	50KΩ	½W	±10%
601	Vacuum Tube	2D21(PL2D21)		
602	Condenser	250pF	400WV	±10%
603	Resistor	500KΩ	¼W	±10%
604	Resistor	30KΩ	¼W	±10%
605	Resistor	1.5KΩ	¼W	±10%
606	Resistor	100KΩ	½W	±10%
607	Condenser	0.01μF	400WV	±10%
608	Condenser	1μF	400WV	±10%
609	Resistor	100KΩ	½W	±10%
610	Resistor	50KΩ	½W	±10%
611	Resistor	200KΩ	B Vriable	
612	Resistor	200KΩ	½W	±10%
701	Vacuum Tube	6X4(EZ90)		
702	Condenser	$20^{A}+20^{B}+10^{C}+3^{D}$μF	300WV	
703	Resistor	10KΩ	½W	±10%
704	Resistor	8KΩ	1W	±10%
705	Resistor	3KΩ	2W	±10%
706	Power Supply Trnsformer	Secondary 6.3V	{ 2.73A / 0.6A 215V×2 57mA	
707	Pilot Lamp	6.3V	0.15A	
708	Fuse	1A		
709	Power Switch			
710	Voltage Change Jack			