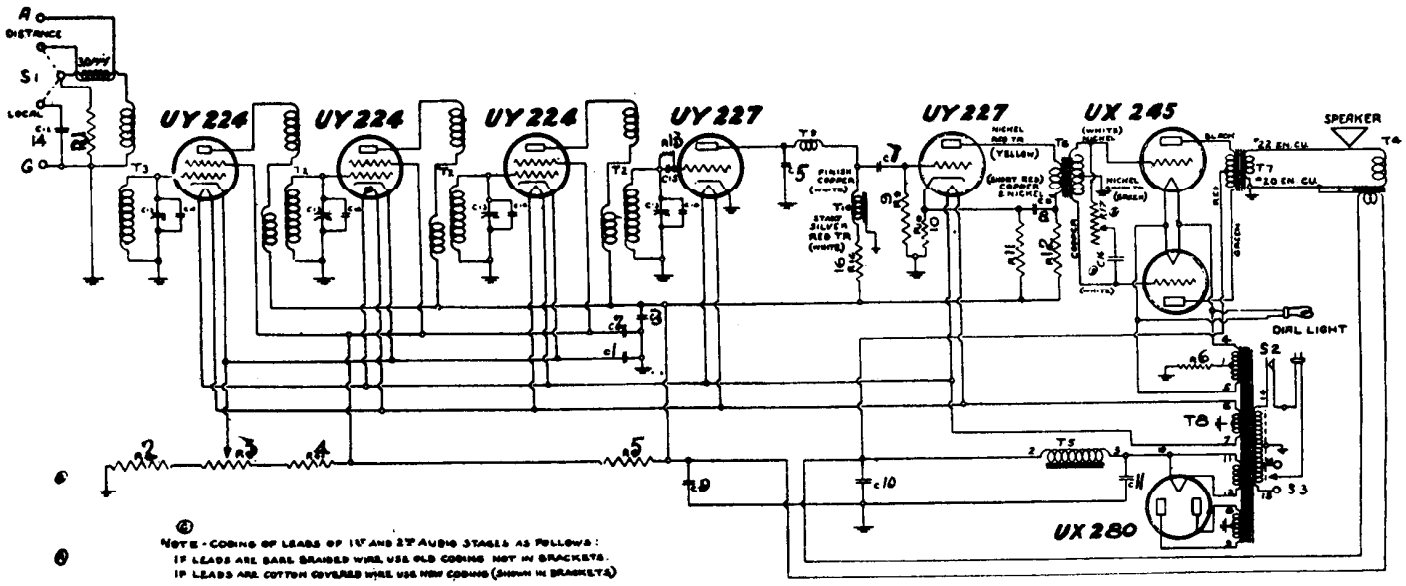
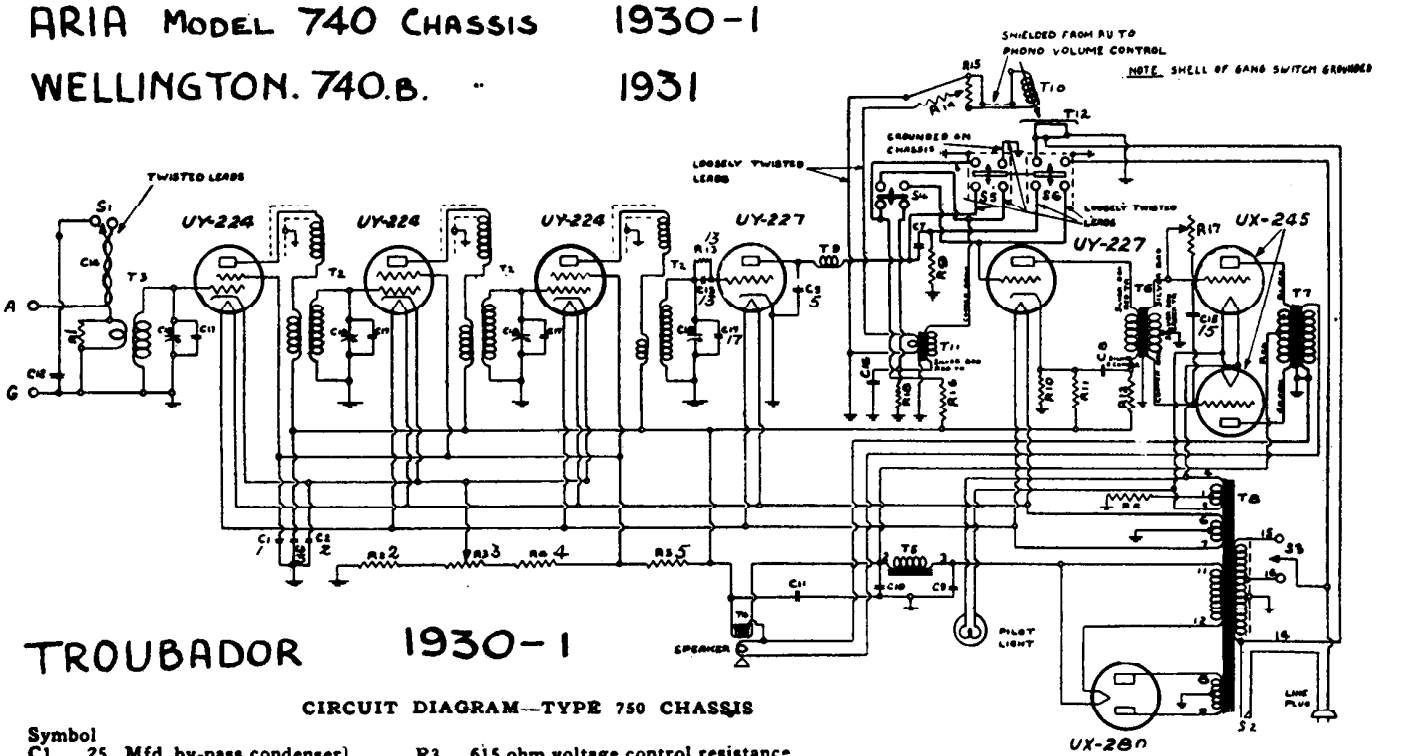


ARIA MODEL 740 CHASSIS 1930-1

WELLINGTON. 740.B. " 1931



TROUBADOR 1930-1

CIRCUIT DIAGRAM—TYPE 750 CHASSIS

Symbol			
C1	.25 Mfd. by-pass condenser } Block	R3	615 ohm voltage control resistance (Potentio)
C2	.25 Mfd. by-pass condenser } Block	R4	7230 ohm voltage divider resistance
C3	.30 Mfd. by-pass condenser } Block	R5	6,500 ohm voltage divider resistance
C5	.002 Mfd. by-pass condenser	R6	835 ohm 245 bias resistance
C7	.25 Mfd. by-pass condenser } Block (also C16)	R9	1 megohm grid leak resistance
C8	.25 Mfd. by-pass condenser } Block (also C16)	R10	400 ohm 227 bias resistance
C9	8 Mfd. filter condenser } Mershon	R11	20,000 ohm 227 bias bleeder resistance
C10	8 Mfd. filter condenser } Mershon	R12	20,000 ohm 1st audio filter resistance
C11	8 Mfd. filter condenser } Mershon	R13	1.25 megohm grid leak resistance
C12	.00025 Mfd. by-pass condenser	R14	31 ohm limiting resistance
C13	.0001 Mfd. grid condenser	R15	60 ohm phono volume control resistance (Potentio)
C14	.00003 Mfd. antenna condenser (Twisted wire)	R16	10,000 ohm det. plate resistance
C15	.002 Mfd. by-pass condenser (Tone control)	R17	1 megohm tone control resistance (Potentio) NOT IN MODEL
C16	.5 Mfd. by-pass condenser	R18	200,000 ohm loading resistance
C17	Aligning condenser		
C18	Gang condenser		
R1	10,000 ohm Attenuator resistance		
R2	130 ohm Bleeder resistance		

TYPE OF TUBE	POSITION OF TUBE	TUBE IN "A" VOLTS	TUBE IN "B" VOLTS	TUBE IN SCREEN VOLTS	TUBE IN SCREEN CURRENT	TUBE IN Control Grid ("C") Volts	TUBE IN NORMAL MA.
224	RF	2·25	172	89	NOT MORE THAN 1/3 PLATE CURRENT	3-10	3-5
227	DETC	2·23	75			0	4-6
227	AF	2·23	96			6·8	4-6
245	P.P.	2·36	240			48	25-45
280	RECT	325 A.C.		45-50 MA.			

Power transformer: 25 cycle, watts 100 at 120 volts
60 cycle, watts 87 at 120 volts

Motor (Green Flyer): 25 cycle, watts 32 at 120 volts
60 cycle, watts 23 at 120 volts

Printed in Canada.

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