



Code	Part No.	COILS	Code	Part No.	RESISTORS	Code	Part No.	CONDENSERS
T1	2684A	Aerial Coil, 200-550 Metres	R14	1668	300,000 ohms, Vol. Cont.	C17		10-50 mmfd. Mica Trimmer
T2	2684A	Aerial Coil, 19-50 Metres	R15		300,000 ohms, $\frac{1}{2}$ watt	C18		390 mmfd. Mica Padding
T3	1557A	Osc. Coil, 200-550 Metres	R16		$1\frac{1}{2}$ Megohms, $\frac{1}{2}$ watt	C19		5-20 mmfd. Mica Trimmer
T4	1557A	Osc. Coil, 19-50 Metres	R17		100,000 ohms, 1 watt	C20		2800 mmfd. Mica Padding
T5	1523A	First I.F. Transformer	R18		300,000 ohms, $\frac{1}{2}$ watt	C21	2949	Variable Condenser
T6	1523B	Second I.F. Transformer	R19		400 ohms, 1 watt	C22		.1 mfd. Paper
T7	1530A	Third I.F. Transformer	R20	2762	100,000 ohms, Tone Cont.	C23		130 mmfd. Mica (H)
T8	2950	Power Transformer 50~	R21		20,000 ohms, $\frac{1}{2}$ watt	C24		10-50 mmfd. Mica Trimmer
T8	2951	Power Transformer 40~				C25		10-50 mmfd. Mica Trimmer
T8	2952	Power Transformer 110 Volts				C26		130 mmfd. Mica (H)
T9		TG52 (R38) TG113 (R41)				C27		.1 mfd. Paper
						C28		200 mmfd. Mica (J)
						C29		.01 mfd. Paper
						C30		25 mfd. 25 Volt Electrolytic
						C31		200 mmfd. Mica (J)
						C32		130 mmfd. Mica (H)
						C33		10-50 mmfd. Mica Trimmer
R1		200 ohms, $\frac{1}{2}$ watt	C1		5-20 mmfd. Mica Trimmer	C34		700 mmfd. Mica
R2		2,000 ohms, $\frac{1}{2}$ watt	C2		5-20 mmfd. Mica Trimmer	C35		.01 mfd. Paper
R3		100,000 ohms, $\frac{1}{2}$ watt	C3		10 mmfd. Mica (B)	C36		25mfd. 25 Volt Electrolytic
R4		600 ohms, $\frac{1}{2}$ watt	C4		.05 mfd. Paper	C37		.01 mfd. Paper
R5		60,000 ohms, $\frac{1}{2}$ watt	C5		.05 mfd. Paper	C38		.035 mfd. Paper
R6		40,000 ohms, 1 watt	C6	2949	Variable Condenser	C39	2763A	8 mfd. 500 Volt Electrolytic
R7		30,000 ohms, 1 watt	C7		.1 mfd. Paper	C40	2763A	8 mfd. 500 Volt Electrolytic
R8		20,000 ohms, $\frac{1}{2}$ watt	C8		.1 mfd. Paper	C41		.5 mfd. Paper
R9		300 ohms, $\frac{1}{2}$ watt	C9		.05 mfd. Paper	C42		.25 mfd. Paper
R10		600 ohms, $\frac{1}{2}$ watt	C10		50 mmfd. Mica (D)			
R11		100,000 ohms, $\frac{1}{2}$ watt	C11		130 mmfd. Mica (H)			
R12		500,000 ohms, $\frac{1}{2}$ watt	C12		10-50 mmfd. Mica Trimmer			
R13		2,000 ohms, $\frac{1}{2}$ watt	C13		10-50 mmfd. Mica Trimmer			
			C14		130 mmfd. Mica (H)			
			C15		.05 mfd. Paper			
			C16		5-20 mmfd. Mica Trimmer			

RADIOLETTES 38 AND 41 CIRCUIT DATA

Radiolette Models 38 and 41

ELECTRICAL SPECIFICATIONS.

Voltage Rating	.....	200-260 volts
Frequency Rating	.....	50-60 cycles.
(Special instruments made for other voltage and frequency ratings).		
Power Consumption	.....	50 Watts.
Tuning Ranges	.....	(a) 200-550 metres.
		(b) 19 - 50 metres.
Intermediate Frequency	..	460 kilocycles.

VALVES AND CIRCUITS.

6A7	Detector Oscillator.
6D6	I.F. Amplifier.
6B7	I.F. Amplifier, Detector, A.V.C. and Audio Amplifier.
42	Output Pentode.
80	Rectifier.

SOCKET VOLTAGES.

VALVE		Chassis to Cathode Volts	Chassis to Screen Grid Volts	Chassis to Plate Volts	Plate Current M.A.	Heater Volts
6A7 Detector	M.W.	4.0	55	240	1.5	6.3
	S.W.	3.0	52	240	3.0	—
6A7 Oscillator	.....	—	—	170	3.0	—
6D6 I.F. Amplifier	...	3.0	55	240	3.0	6.3
6B7 Reflex Amplifier		1.5	30*	60*	1.0	6.3
42 Pentode	.....	14.5	240	220	30.0	6.3
80 Rectifier	600/300 volts	50 M.A. total current				5.0

Voltage across Loudspeaker field — 80 volts.

Measured at 240 volts A.C. supply. No signal input. Sensitivity switch in distant (D) position.

* Cannot be measured accurately with ordinary voltmeter.