



Code	Part No.	COILS	Code	Part No.	RESISTORS	Code	Part No.	CONDENSERS
T1	2684A	Aerial Coil, 200-550 Metres	R16	2688	300,000 ohms, Volume Control	C16		130 mmfd. Mica (H)
T2	2684A	Aerial Coil, 19-50 Metres	R17		300,000 ohms, $\frac{1}{2}$ watt	C17		5-20 mmfd. Mica Trimmer
T3	1557A	Osc. Coil, 200-550 Metres	R18		100,000 ohms, 1 watt	C18		10-50 mmfd. Mica Trimmer
T4	1557A	Osc. Coil, 19-50 Metres	R19		300,000 ohms, $\frac{1}{2}$ watt	C19		390 mmfd. Mica Padding
T5	1523A	First I.F. Transformer	R20		500 ohms, 1 watt	C20		5-20 mmfd. Mica Trimmer
T6	1523B	2nd I.F. Transformer	R21	2087	1,500 ohms, wire wound	C21		2800 mmfd. Mica Padding
T7	1530A	Third I.F. Transformer	R22		100,000 ohms, $\frac{1}{2}$ watt	C22	2964	Variable Condenser
T8	TG54	Loudspeaker Transformer				C23		.1 mfd. Paper
						C24		.1 mfd. Paper
						C25		130 mmfd. Mica (H)
						C26		10-50 mmfd. Mica Trimmer
						C27		10-50 mmfd. Mica Trimmer
						C28		130 mmfd. Mica (H)
						C29		.01 mfd. Paper
						C30		200 mmfd. Mica (J)
						C31		25 mfd. 25 Volt Electrolytic
						C32		200 mmfd. Mica (J)
						C33		130 mmfd. Mica (H)
						C34		10-50 mmfd. Mica Trimmer
						C35		.01 mfd. Paper
						C36		700 mmfd. Mica
						C37		25 mfd. 25 Volt Electrolytic
						C38		.01 mfd. Paper
						C39		2.5 mfd. Paper
						C40		5.0 mfd. Paper
						C41		.5 mfd. Paper
						C42		.1 mfd. Paper
						C43		.1 mfd. Paper
R1		100,000 ohms, $\frac{1}{2}$ watt	C1		500 mmfd. Mica			
R2		100,000 ohms, $\frac{1}{2}$ watt	C2		5-20 mmfd. Mica Trimmer			
R3	3299	640 ohms, wire wound	C3		5-20 mmfd. Mica Trimmer			
R4		1,500 ohms, $\frac{1}{2}$ watt	C4		.05 mfd. Paper			
R5		30,000 ohms, 1 watt	C5	2964	Variable Condenser			
R6		40,000 ohms, 1 watt	C6		10 mmfd. Mica (B)			
R7		300 ohms, $\frac{1}{2}$ watt	C7		.05 mfd. Paper			
R8		20,000 ohms, $\frac{1}{2}$ watt	C8		.1 mfd. Paper			
R9		600 ohms, $\frac{1}{2}$ watt	C9		.1 mfd. Paper			
R10		60,000 ohms, $\frac{1}{2}$ watt	C10		2.5 mfd. Paper			
R11		300 ohms, $\frac{1}{2}$ watt	C11		50 mmfd. Mica (D)			
R12		600 ohms, $\frac{1}{2}$ watt	C12		.05 mfd. Paper			
R13		500,000 ohms, $\frac{1}{2}$ watt	C13		130 mmfd. Mica (H)			
R14		2,000 ohms, $\frac{1}{2}$ watt	C14		10-50 mmfd. Mica Trimmer			
R15		$1\frac{1}{2}$ Megohms, $\frac{1}{2}$ watt	C15		10-50 mmfd. Mica Trimmer			

RADIOLETTE 40 CIRCUIT DATA

# Radiolette Model 40

## ELECTRICAL SPECIFICATIONS.

Voltage Rating	200-260 volts
Frequency Rating	D.C.
Power Consumption	90 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
43	Output Pentode

## SOCKET VOLTAGES.

VALVE		Cathode to Negative Volts	Screen to Negative Volts	Grid to Negative Volts	Plate to Negative Volts	Plate Current M.A.	Heater Volts
6A7	Detector	M.W. 3.0	48	195	1.0	6.3	
	S.W.						1.6
	Oscillator	—	—	148	2.4	—	
6D6	I.F. Amplifier	M.W. 2.0	48	195	3.7	6.3	
6B7	Detector	1.5	25	90*	0.8	6.3	
43	Pentode	16.5	142	132	24.5	25.0	

Voltage across Loudspeaker field — 45 volts

Measured at 240 volts D.C. supply. No signal input. Sensitivity control in maximum clockwise position.

\* Cannot be measured accurately with ordinary voltmeter.