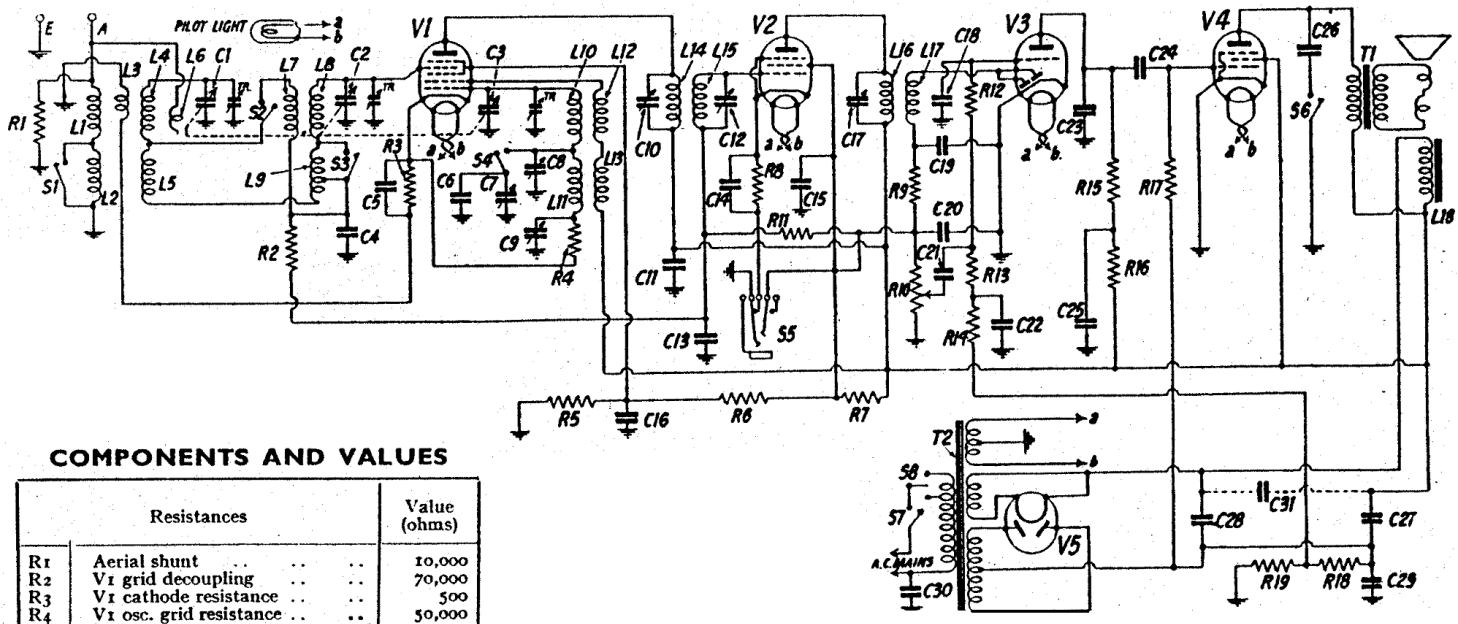
PHILCO - 260 & 261



COMPONENTS AND VALUES

	Resistances	Value (ohms)
R1	Aerial shunt	10,000
R2	V1 grid decoupling	70,000
R3	V1 cathode resistance	500
R4	V1 osc. grid resistance	50,000
R5	V1 and V2 S.G.'s potential divider	13,000
R6		10,000
R7		25,000
R8	V2 cathode resistance	250
R9	Part of diode load	50,000
R10	Manual volume control	350,000
R11	A.V.C. circuit decoupling	2,000,000
R12	V3 grid H.F. "stopper"	25,000
R13	V3 grid resistance	1,000,000

	Resistances (contd.)	Value (ohms)
R14	V3 grid decoupling	99,000
R15	V3 anode resistance	70,000
R16	V3 anode decoupling	70,000
R17	V4 grid resistance	490,000
R18	V3 and V4 G.B. potential divider	235
R19		32

	Components		Value (ohms)
L1	1st aerial trans. pri.		25·0
L2			121·0
L3	Image rejecting coil, 1 turn		—
L4	1st aerial trans. sec.		7·0
L5			59·0
L6	Coupling coil, very small		—
L7	2nd Aerial trans. pri., 1 turn		—
L8	2nd aerial trans. sec.		6·8
L9			52·25
L10	Oscillator tuning coils		5·6
L11			24·0
L12	Oscillator anode coils		1·0
L13			6·6
L14	1st I.F. trans	Pri.	260·0
L15		Sec.	260·0
L16	2nd I.F. trans.	Pri.	160·0
L17		Sec.	82·0
L18	Speaker field		1140·0
T1	Speaker input trans.	Pri.	450·0
		Sec.	1·25
T2	Mains transformer	Pri. (total)	22·0
		Heater sec.	0·1
		Rect. fil. sec.	0·1
		H.T. sec.	390·0
S1-S4	Wave-band ganged switches		—
S5	Pick-up jack		—
S6	2-point tone control switch		—
S7	Mains switch (ganged with R10)		—
S8	Mains trans. tapping switch		—

	Condensers		Value (μF)
C1	First aerial trans. tuning		—
C2	Second aerial trans. tuning		—
C3	Oscillator tuning		—
C4	V1 grid decoupling		0·05
C5	V1 cathode resistance by-pass		0·09
C6	Osc. compensating condensers M.W...	Fixed	0·00041
C7		Pre-set	—
C8	Osc. compensating condensers L.W.	Pre-set	—
C9		Pre-set	—
C10	Pre-set tuning, 1st I.F. pri.		—
C11†	V1 and V2 anode by-pass		0·25
C12	Pre-set tuning, 1st I.F. sec.		—
C13	A.V.C. circuit decoupling		0·05
C14	V2 cathode resistance by-pass		0·09
C15†	V2 S.G. by-pass		0·09
C16†	V1 S.G. by-pass		0·09
C17	Pre-set tuning, 2nd I.F. pri.		—
C18	V3 grid H.F. filter		0·00011
C19	Diode H.F. filter condensers		0·00025
C20			0·00025
C21	V3 grid L.F. coupling		0·01
C22	V3 grid decoupling		0·09
C23	V3 anode H.F. by-pass		0·00025
C24	V4 grid L.F. coupling		0·01
C25†	V3 anode decoupling		0·25
C26	Tone control condenser		0·01
C27	H.T. smoothing, electrolytics		8·0
C28			8·0
C29†	V3 and V4 G.B. resist. by-pass		0·05
C30	Mains disturbance by-pass		0·015
C31*	Speaker field by-pass		0·09

* Not in our sample. † In condenser block.

NOTE.—The above table includes all condensers in the circuit

Condenser	Capacity (μF)	Colour Code
C11	0·25	White
C15	0·09	White-black
C16	0·09	White-black
C25	0·25	White
C29	0·05	Green