

"TRADER" SERVICE SHEET
992

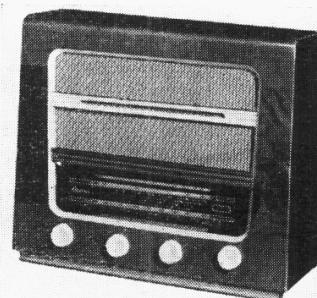
COMPONENTS AND VALUES

CAPACITORS		Values	Locations
C1	Mains isolators ...	0.002 μ F	G4
C2		0.01 μ F	F4
C3	Aerial series ...	0.002 μ F	G4
C4	Aerial coupling ...	0.0032 μ F	G4
C5	1st I.F. trans. tuning ...	120pF	A2
C6		120pF	A2
C7	V1 cath. by-pass ...	0.1 μ F	G4
C8	A.G.C. decoupling ...	0.05 μ F	F4
C9	S.W. tracker ...	0.0025 μ F	G3
C10	M.W. tracker ...	410pF	G3
C11	L.W. tracker ...	150pF	G3
C12	L.W. osc. trimmer ...	150pF	G4
C13	Osc. anode coup. ...	50pF	G4
C14	S.G. decoupling ...	0.1 μ F	F4
C15	2nd I.F. trans. tuning ...	120pF	B2
C16		120pF	B2
C17	V2 cath. by-pass ...	0.1 μ F	F4
C18	I.F. by-passes ...	100pF	F4
C19		100pF	E3
C20	P.U. isolator ...	0.1 μ F	F4
C21	A.F. coupling ...	0.005 μ F	E3
C22	I.F. by-pass ...	400pF	E4
C23	Part tone control ...	0.01 μ F	E3
C24	A.F. coupling ...	0.01 μ F	E4
C25	Tone correction ...	0.002 μ F	E3
C26*	V4 cath. by-pass ...	25 μ F	D4
C27*		16 μ F	B1
C28*	H.T. smoothing ...	16 μ F	B1
C29*		16 μ F	B1
C30	Mains by-pass ...	0.01 μ F	D3
C31†	S.W. aerial trim. ...	—	G3
C32†	M.W. aerial trim. ...	—	G3
C33†	L.W. aerial trim. ...	—	G4
C34†	Aerial tuning ...	—	A1
C35†	S.W. osc. trimming ...	—	G3
C36†	M.W. osc. trimming ...	—	G3
C37†	L.W. osc. trimming ...	—	G4
C38†	Oscillator tuning ...	—	A2

RESISTORS		Values	Locations
R1	Aerial shunt ...	47k Ω	F4
R2	A.G.C. decoupling ...	10k Ω	G4
R3	V1 G.B. ...	250 Ω	G4
R4	V1 osc. C.G. ...	56k Ω	G4
R5	Osc. anode feed ...	47k Ω	F4
R6	Stabilizer ...	147 Ω	G4
R7	S.G. H.T. feed ...	33k Ω	F4
R8	V2 G.B. ...	330 Ω	F4
R9	A.G.C. decoupling ...	2.2M Ω	F4
R10	I.F. stopper ...	56k Ω	F3
R11	Isolator Shunt ...	1M Ω	E4
R12	Volume control ...	500k Ω	E3
R13	V3 C.G. ...	10M Ω	E4
R14	V3 anode load ...	120k Ω	E3
R15	Tone control ...	500k Ω	D3
R16	V4 C.G. ...	470k Ω	E4
R17	V4 C.G. stopper ...	56k Ω	E4
R18	V4 H.T. pot. ...	10k Ω	E4
R19		divider	22k Ω
R20	V4 G.B. ...	180 Ω	D3
R21	H.T. smoothing ...	2.2k Ω	F3
R22	Brimistor type C22	—	E3
R23	Heater ballast	512 Ω	C2
R24	resistor	100 Ω	C2

OTHER COMPONENTS		Approx. Values (ohms)	Locations
L1	S.W. coupling coil	Very low	G3
L2	Aerial tuning coils	Very low	G3
L3		4.4	G3
L4		34.0	G4
L5	S.W. reaction coil ...	Very low	G3
L6	M.W. reaction coil	1.0	G3
L7	Oscillator tuning coils	Very low	G3
L8		5.0	G3
L9		12.0	G4
L10	1st I.F. trans. { Pri. / Sec.	10.0	A2
L11		10.0	A2
L12	2nd I.F. trans. { Pri. / Sec.	10.0	B2
L13		10.0	B2
L14	Speech coil ...	2.6	—
L15	Smoothing choke ...	160.0	B1
L16	Mains filter chokes	2.4	D3
L17		2.4	D3
T1	Primary	360.0	—
	Secondary	0.4	—
S1-S10	Waveband switches	—	G3
S11	Mains sw., g'd. R15	—	—
S12		D3	

ETRONIC ETU5329



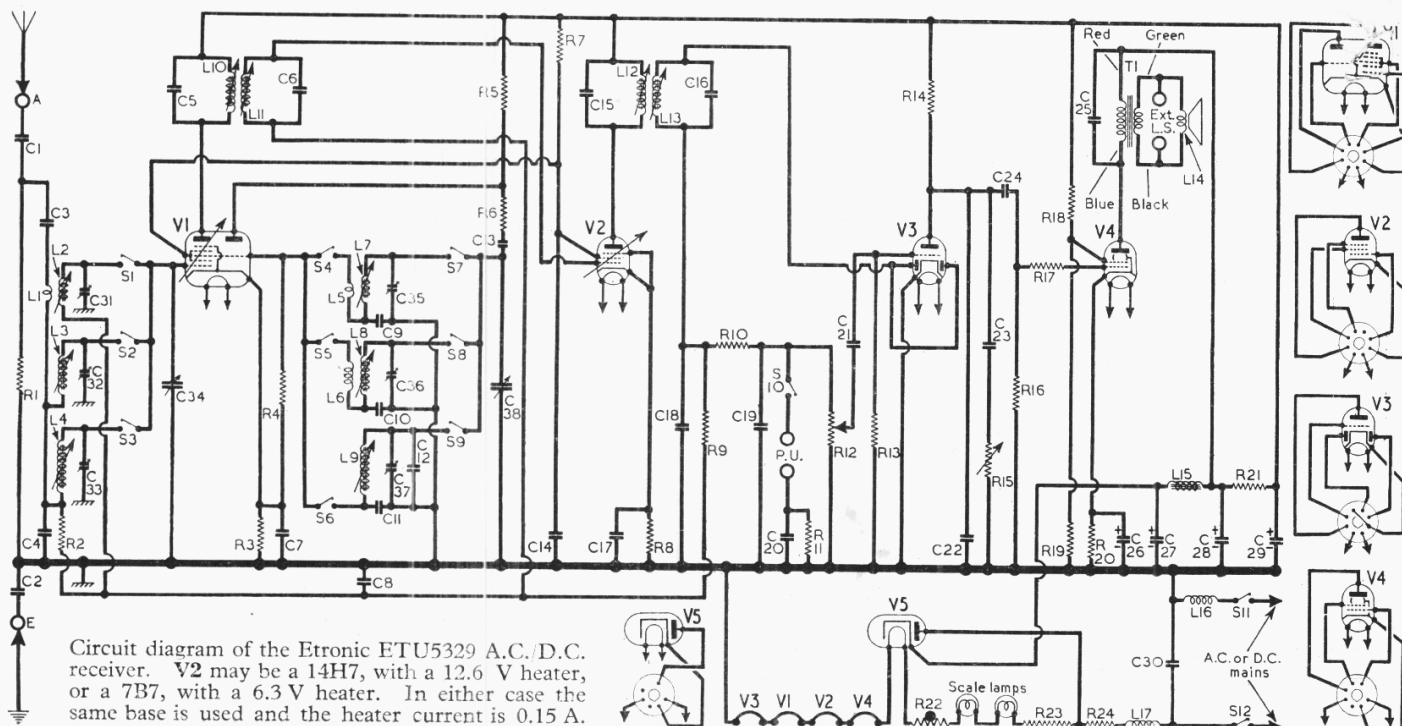
THE Etronic ETU5329 is a 4-valve (plus rectifier) 3-band superhet designed to operate from A.C. or D.C. mains of 200-250 V. The waveband ranges are 15-51 m, 190-550 m and 1,000-2,000 m. The A.C. version, model ETA5316 is covered separately in Service Sheet 991.

Release date and original price: November, 1950; £16 5s 6d plus purchase tax.

CIRCUIT DESCRIPTION

Aerial input via coupling coil **L1** (S.W.) and "bottom" coupling capacitor **C4** (M.W. and L.W.) to single tuned circuits **L2**, **C34** (S.W.), **L3**, **C34** (M.W.) and **L4** **C34** (L.W.).

First valve (**V1**, **Brimar 14S7**) is a triode-hexode operating as frequency changer with internal coupling. Oscillator anode coils **L7** (S.W.), **L8** (M.W.) and **L9** (Continued overleaf)



Circuit diagram of the Etronic ETU5329 A.C./D.C. receiver. V2 may be a 14H7, with a 12.6 V heater, or a 7B7, with a 6.3 V heater. In either case the same base is used and the heater current is 0.15 A.

