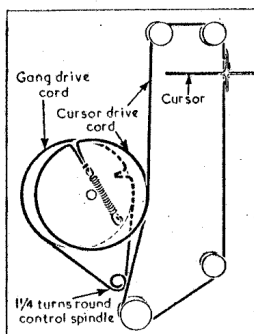


Waveband switch units, with table (below).

FERRANTI 615, 618

Switches	S.W.	M.W.	L.W.
S1	○	○	○
S2	○	○	○
S3	○	○	○
S4	○	○	○
S5	○	○	○
S6	○	○	○
S7	○	○	○
S8	○	○	○
S9	○	○	○
S10	○	○	○
S11	○	○	○
S12	○	○	○
S13	○	○	○
S14	○	○	○



Sketch of the tuning drive system, seen from the front. The gang and cursor have separate drive drums.

OTHER COMPONENTS		Approx. Values (Ohms)	Locations
L1	I.F. rejector	18-0	F4
L2	Aerial coupling	—	G4
L3	coils	29-0	G4
L4	coils	45-0	G4
L5	Aerial tuning coils	3-5	G4
L6	coils	17-0	G4
L7	Oscillator tuning	—	F3
L8	coils	3-5	G3
L9	Oscillator reaction	12-0	G3
L10	coils	—	F3
L11	coils	1-0	G3
L12	coils	3-0	G3
L13	coils	7-0	A2
L14	1st I.F. trans. {Pri.	7-0	A2
L15	{Sec.	7-0	A2
L16	2nd I.F. Trans. {Pri.	7-0	B2
L17	{Sec.	7-0	B2
L18	Speech coil	2-5	—
T1	Intervalve {Pri.	900-0	D4
	{Sec., total	10,000-0	
T2	O.P. trans. {Pri., total	420-0	C2
	{Sec.	—	
S1-S14	Waveband switches	—	G3
S15, S16	Batt. sw., g'd R18	—	D3

Valve	Anode		Screen	
	V	mA	V	mA
V1 TP25	{111 93 Oscillator	{0-4 * }	48	0-92
V2 VP23	111	1-4	48	0-92
V3 HL23DD	110	1-45	—	—
V4 QP25	110	4-5†	111	1-0

* No reading quoted. † Total current measured at T2 primary centre tap.

RESISTORS		Values	Locations
R1	Aerial shunt	33kΩ	F4
R2	V1 osc. grid leak	33kΩ	F3
R3	Osc. stabilizer	15kΩ	F3
R4	Osc. anode load	47Ω	F3
R5	Osc. stabilizer	4-7kΩ	F4
R6	Osc. stabilizer	470Ω	G3
R7	S.G. H.T. feed	47kΩ	F4
R8	V2 C.G. stopper	2-2kΩ	A2
R9	I.F. stopper	47kΩ	F4
R10	Signal diode load	470kΩ	E4
R11	Volume control	1MΩ	E3
R12	A.G.C. decoupling	2-2MΩ	E4
R13	A.G.C. diode load	2-2MΩ	D4
R14	V3, V4, G.B.	100Ω	D3
R15	V3, V4, G.B.	*650Ω	D3
R16	V4, C.G.	47kΩ	D4
R17	Part tone control	15kΩ	D3
R18	Tone control	500kΩ	D3

* Two resistors, 680Ω and 15kΩ, in parallel.

CAPACITORS		Values	Locations
C1	Part I.F. rejector	30pF	F4
C2	L.W. aerial trim	80pF	G4
C3	1st I.F. trans. tuning	105pF	A2
C4	ing	105pF	A2
C5	S.W. G.B. decoup.	0-1μF	E3
C6	V1 osc. C.G.	100pF	F3
C7	A.G.C. decoupling	0-1μF	E3
C8	H.T. by-pass	0-1μF	F4
C9	L.W. osc. trim.	100pF	G3
C10	S.W. osc. tracker	0-004μF	F3
C11	M.W. osc. tracker	470pF	G3
C12	L.W. osc. tracker	130pF	G3
C13	Osc. anode coup	0-001μF	F3
C14	S.G. decoupling	0-1μF	E3
C15	2nd I.F. trans. tuning	105pF	B2
C16	ing	180pF	B2
C17	A.G.C. coupling	50pF	E4
C18	I.F. by-passes	130pF	E4
C19	I.F. by-passes	130pF	E4
C20	A.F. coupling	0-02μF	E3
C21	I.F. by-pass	400pF	D4
C22*	G.B. by-pass	25μF	D4
C23	Part tone control	0-02μF	D4
C24*	H.T. reservoir	8μF	E3
C25†	S.W. aerial trim.	50pF	A2
C26†	M.W. aerial trim.	50pF	A2
C27†	L.W. aerial trim.	50pF	A2
C28†	Aerial tuning	—	B1
C29†	Oscillator tuning	—	B1
C30†	S.W. osc. trim.	50pF	A1
C31†	M.W. osc. trim.	50pF	A1
C32†	L.W. osc. trim.	50pF	A1

* Electrolytic † Variable ‡ Pre-set.

Intermediate frequency 470 kc/s.

