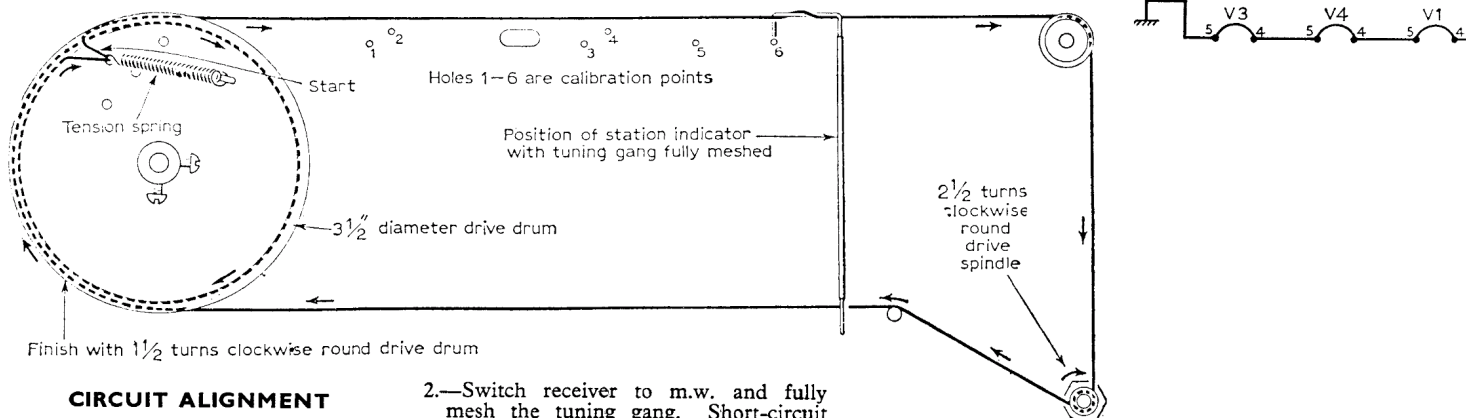
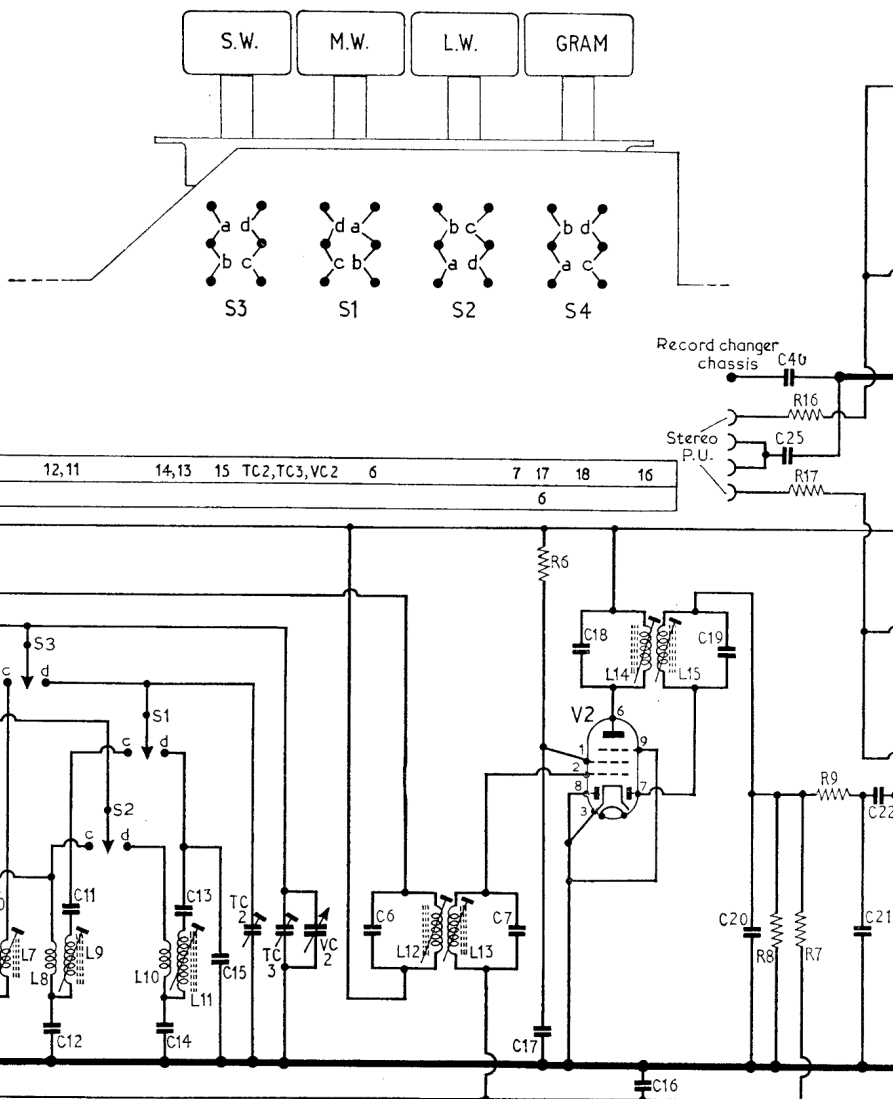


# ALBA - 8002/S

Valve Table

Valve	Anode (V)	Screen (V)	Cathode (V)
V1 UCH81	100	—	—
V2 UBF89	189	80	—
V3 UCL82	189	70	—
V4 UCL82	228	189	14
	80	—	—
	228	189	14



## CIRCUIT ALIGNMENT

Before commencing alignment, check for output on both audio channels.

During alignment, the signal input should be reduced as the circuits come into line to prevent a.g.c. action. Where two tuning peaks occur the correct one is that with the core in the outer position.

**Equipment Required.**—An audio output meter and a 3Ω dummy load resistor; an a.m. signal generator; an r.f. coupling loop.

1.—Connect the audio output meter in place of one loudspeaker and the 3Ω resistor in place of the other. Turn the volume controls to maximum (fully clockwise) and the tone controls fully anti-clockwise. Connect the signal generator across the tuning capacitor aerial section VC1.

2.—Switch receiver to m.w. and fully mesh the tuning gang. Short-circuit the tuning gang oscillator section VC2.

3.—Feed in a 470kc/s 30 per cent modulated signal and adjust the cores of L15, L14, L13 and L12 in that order, for maximum output. Repeat with reduced signal input for optimum results, then remove the short-circuit from VC2.

4.—Check that with the tuning gang fully meshed, the cursor lines up with calibration hole 6 as shown on the drive cord drawing opposite. (In this, and all subsequent references to calibration holes, the short leg of the cursor is used.)

5.—Connect the signal generator to the aerial socket via a dummy aerial. Switch receiver to s.w. and tune to 8Mc/s (hole 4). Feed in an 8Mc/s signal and adjust the cores of L7 and L2 for maximum output.

6.—Tune receiver to 16Mc/s, feed in a 16Mc/s signal and adjust TC3 and TC1 for maximum output.

7.—Connect the signal to the r.f. coupling loop and place the loop about 12in from the ferrite rod aerial, co-axial with the aerial windings. Switch receiver to m.w. and tune to 600kc/s (hole 5). Feed in a 600kc/s signal and adjust L9 and L3 (by sliding the former along the aerial rod) for maximum output.

8.—Tune receiver to 1,500kc/s (hole 1). Feed in a 1,500kc/s signal and adjust TC2 for maximum output.

# Resistors

R1	2.2MΩ	†
R2	1MΩ	F4
R3	18kΩ	G4
R4	47kΩ	G5
R5	15kΩ	G5
R6	47kΩ	F4
R7	1MΩ	F4
R8	470kΩ	F4
R9	47kΩ	F4
R10	100kΩ	F5
R11	100kΩ	E4
R12	20MΩ	F4
R13	20MΩ	F4
R14	680Ω	F4
R15	680Ω	F3
R16	220kΩ	F3
R17	220kΩ	F3
R18	100kΩ	F3
R19	100kΩ	F3
R20	680kΩ	F4
R21	680kΩ	E4
R22	10kΩ	E4
R23	10kΩ	E4
R24	1.5kΩ	C1
R25	390Ω	E4
R26	390Ω	E4
R27	3.3kΩ	F4
R28	3.3kΩ	E4
R29	470Ω	C1
R30	470Ω	A1
R31	40Ω	B1
R32	20Ω	B1
R33	310Ω	B1
R34	300Ω	B1
R35	V1010	C2
R36	V1005	B2
VR1	500kΩ	E3
VR2	500kΩ	E4
VR3	5MΩ	F3
VR4	50kΩ	E3
VR5	50kΩ	E4

# Capacitors

C1	1,000pF	†
C2	6.8pF	F4
C3	118pF	F3
C4	100pF	G4
C5	0.01μF	G4
C6	—	F5
C7	—	F5
C8	47pF	G4
C9	200pF	G3
C10	150pF	G3
C11	1.17pF	G4
C12	1,000pF	F4
C13	360pF	F4
C14	750pF	F3
C15	173pF	F3
C16	0.1μF	G5
C17	0.01μF	F5

C18	—	F4
C19	—	F4
C20	200pF	F4
C21	100pF	F4
C22	1,000pF	F4
C23	5,000pF	F4
C24	5,000pF	E4
C25	0.01μF	—
C26	0.05μF	F4
C27	0.05μF	E4
C28	0.01μF	F3
C29	100μF	F4
C30	100μF	F4
C31	4,700pF	F4
C32	4,700pF	E5
C33	0.05μF	E4
C34	0.02μF	F3
C35	0.05μF	E4
C36	0.02μF	F4
C37	100μF	A1
C38	100μF	A1
C39	0.01μF	F4
C40	0.01μF	F4
TC1	30pF	D1
TC2	30pF	G4
TC3	30pF	D1
VC1	528pF	D1
VC2	528pF	D1

# Coils & Transformers

L1	—	G3
L2	—	G3
L3	—	F5
L4	—	G5
L5	—	G3
L6	—	G4
L7	—	G4
L8	—	G4
L9	—	G4
L10	—	G4
L11	—	G4
L12	—	F5
L13	—	F5
L14	—	F4
L15	—	F4
L16	—	—
L17	—	—
T1	—	C1
T2	—	B1

# Miscellaneous

D1	—	A2
LP1	24V 0.1A	C2
S1-S4	—	G3
S5, S6	—	E4

†On aerial socket.

# GENERAL NOTES

**Switches.**—Waveband and gram switches **S1-S4** are contained in a four-bank press-button unit which is mounted on the printed panel (see location reference **G3**). The individual switch contacts are shown in a separate illustration with the circuit diagram. On/off switches **S5** and **S6** are ganged with the tone controls.

**Drive Cord Replacement.**—A replacement drive cord should be routed as shown in the illustration at the foot of page 3, where the drive assembly is shown with the tuning gang fully meshed.

The position of the cursor on the cord can be adjusted by rotating the tuning gang until the cursor is over the slot between calibration holes 2 and 3, then inserting a screwdriver through the slot and adjusting the cursor as required, by sideways pressure of the screwdriver.

40,25	21,22	28	23,24	26,27	29,30,31,32,38,33,34,35,36	39	C
8	7,16,17,9	18,VR3,VR1,VR2,12,13,3,6,10,11,35,20,21,22,23,24,25,2,6,27,28,34,29,VR4,14,30,VR5,15,33,31,32					R

