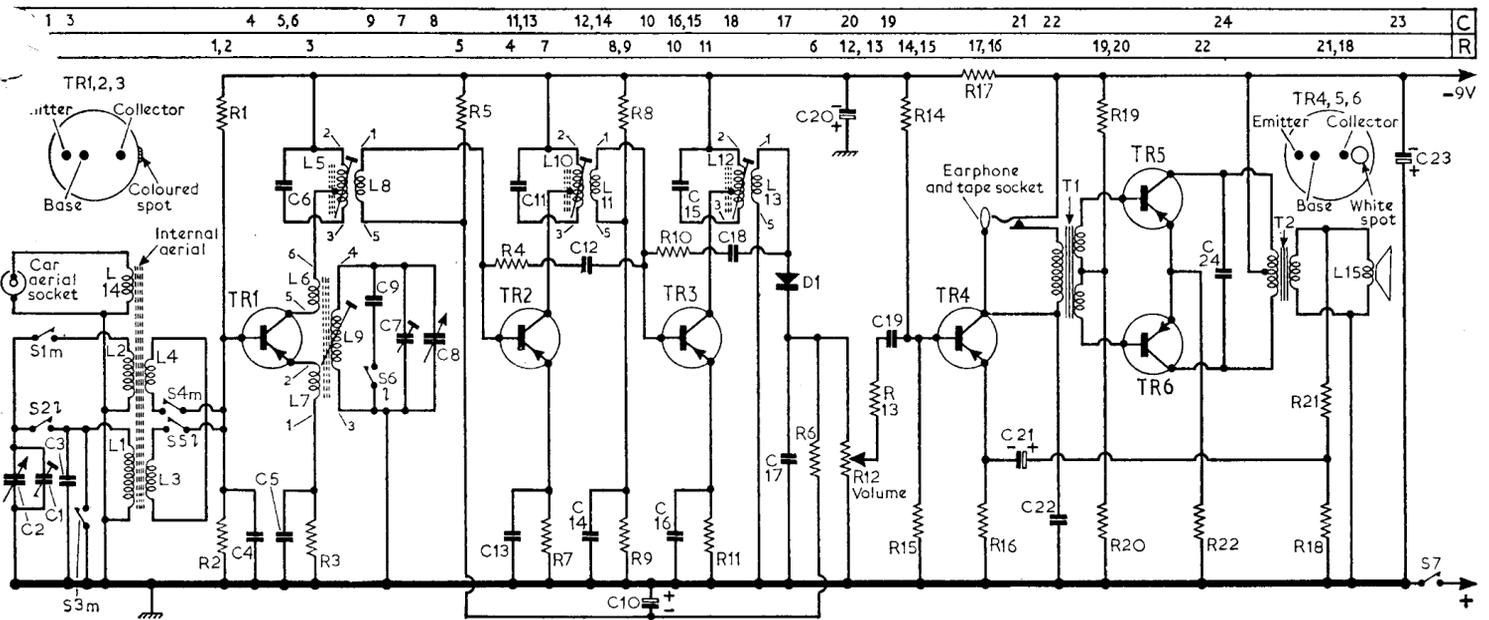


EVER READY SKYLARK

Transistor Table

Transistor	Emitter (v)	Base (v)	Col'ector (v)
TR1 OC44	0.97	1.02	7.0
TR2 OC45	0.61	0.77	7.0
TR3 OC45	0.88	1.04	7.0
TR4 OC81D	0.61	0.72	8.6
TR5 OC81	—	0.15	9.0
TR6 OC81	—	0.15	9.0

Resistors			Capacitors			Coils			Miscellaneous		
R1	56kΩ	C2	C1	20pF	D2	L1	—	D3	D1	OA70	C1
R2	10kΩ	C3	C2	157pF	D2	L2	—	B3	T1	—	B1
R3	3.9kΩ	B3	C3	50pF	D1	L3	—	D3	T2	—	A1
R4	1.2kΩ	C2	C4	0.1μF	C3	L4	—	B3	S1-S6	—	D1
R5	68kΩ	C2	C5	0.01μF	B3	L5	—	C2	S7	—	D2
R6	8.2kΩ	C3	C6	250pF	C3	L6	—	B3			
R7	680Ω	C2	C7	20pF	D3	L7	—	B3			
R8	22kΩ	C2	C8	110pF	D2	L8	—	C3			
R9	4.7kΩ	C2	C9	230pF	D2	L9	—	B3			
R10	3.9kΩ	C2	C10	10μF	C3	L10	—	C2			
R11	1kΩ	C1	C11	250pF	C2	L11	—	C2			
R12	5kΩ	C1	C12	56pF	C2	L12	—	C1			
R13	22kΩ	C2	C13	0.1μF	B2	L13	—	C1			
R14	68kΩ	C2	C14	0.1μF	D2	L14	—	D3			
R15	10kΩ	C2	C15	250pF	C1	L15	3Ω	A2			
R16	470Ω	C2	C16	0.1μF	C1						
R17	680Ω	B1	C17	0.01μF	C1						
R18	10Ω	B2	C18	18pF	C1						
R19	5.6kΩ	B2	C19	0.1μF	C2						
R20	100Ω	B1	C20	64μF	B1						
R21	1kΩ	B2	C21	64μF	B1						
R22	10Ω	B2	C22	2,000pF	C1						
			C23	160μF	D2						
			C24	0.04μF	B1						



CIRCUIT ALIGNMENT

Equipment Required.—An a.m. signal generator; an audio output meter of suitable impedance; a length of insulated wire formed into a coupling loop and a bladed type trimming tool.

For alignment of the r.f. and oscillator circuits, the chassis should be removed from its case (see Dismantling). During alignment use as small a signal input level as possible to prevent a.g.e. action.

- 1.—Switch receiver to m.w. and set the tuning pointer to the central position of the scale. Connect the audio output meter in place of the loudspeaker and connect the signal generator to the r.f. coupling loop.
- 2.—Feed in a 470kc/s 30 per cent modulated signal and adjust the cores of L12, L10 and L5 for maximum output. Repeat as necessary.
- 3.—Fully close the tuning gang. Feed in a 550kc/s signal and adjust L9 for maximum output.
- 4.—Fully open the tuning gang. Feed in a 1,600kc/s signal and adjust C7 for maximum output.
- 5.—Feed in a 1,300kc/s signal and tune receiver to this signal. Then adjust C1 (if fitted) for maximum output.
- 6.—Feed in 600kc/s signal and tune receiver to this signal. Re-adjust L9 while rocking the tuning gang for maximum output.
- 7.—Repeat operations 5 and 6.
- 8.—Switch to l.w. and feed in a 200kc/s signal or use the B.B.C. Light Programme (1,500m). Adjust L1 by sliding it along the ferrite rod, at the same time rocking the tuning gang about 1,500m for maximum output.

GENERAL NOTES

Dismantling.—To remove the chassis from its case, remove the large central screw securing the tuning knob and lift off the knob.

Insert a small screwdriver in the tuning scale centre hole and using the tuning gang spindle end as a leverage point, ease off the scale plate which is a snap fit in the front moulding.

Remove the three countersunk screws beneath the scale plate, revealed by removal of the plate. Open the receiver back and remove nut "A" (see chassis illustration left).

Remove the chassis complete with loudspeaker. When assembling after service, ensure that the peg on the back of the scale plate engages the locating hole in the moulding.

Switches.—S1-S6 are waveband switches which are mounted in a single press-button unit shown in location reference D1. On the circuit diagram switches suffixed *m* close on m.w. while those suffixed *l* close on l.w. S7 is ganged with the volume control and is the battery on/off switch.

Battery.—9v Ever Ready PP6.