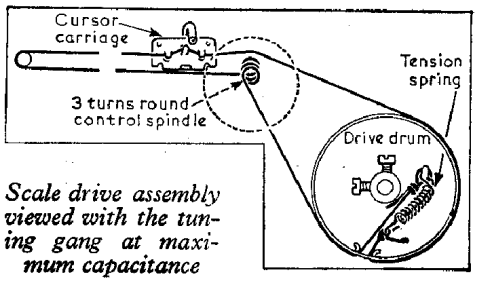
DANSETTE - TRG75



Scale drive assembly viewed with the tuning gang at maximum capacitance

Transistor Table

Transistor		Emitter (V)	Base (V)	Collector (V)
TR1	AF117	—	—	—
TR2	AF117	1·0	1·0	7·0
TR3	AF117	0·5	0·5	7·0
TR4	OC71	1·0	1·0	7·0
TR5	OC81D	1·5	1·5	8·5
TR6	OC81	—	—	9·0
TR7	OC81	—	—	9·0

Resistors

R1	56kΩ	B3
R2	10kΩ	B3
R3	1kΩ	B2
R4	82kΩ	B2
R5	680Ω	B2
R6	22kΩ	B2
R7	4·7kΩ	B2
R8	1kΩ	B2
R9	6·8kΩ	B2
R10	56kΩ	B1
R11	220kΩ	B1
R12	1MΩ	B1
R13	22kΩ	B1
R14	82kΩ	B1
R15	15kΩ	B1
R16	5·6kΩ	B1
R17	1·2kΩ	B1
R18	5kΩ	A3
R19	2·7kΩ	B3
R20	39kΩ	B3
R21	12kΩ	B2
R22	680Ω	A3
R23	1MΩ	B2
R24	4·7kΩ	A2
R25	100Ω	A2
R26	4·7Ω	A2
R27	560Ω	B2
R28	680Ω	A2

Capacitors

C1	—	C3
C2	—	C2
C3	56pF	C1
C4	0·01μF	B3
C5	—	B3
C6	0·02μF	B2
C7	240pF	C3
C8	100μF	B2
C9	—	C2
C10	—	C3
C11	—	B3
C12	0·1μF	B2
C13	8μF	B2
C14	—	B3
C15	0·02μF	B2
C16	0·02μF	B2
C17	0·04μF	B2
C18	1,000pF	B1
C19	100μF	B2
C20	8μF	B1
C21	100μF	B1
C22	0·5μF	B3
C23	100μF	B2
C24	100μF	A2
C25	2,000pF	A1
C26	1,000μF	B1

Coils*

L1	2·5	C1
L2	2·0	C2
L3	12·5	C1
L4	—	C2
L5	—	C1
L6	—	B2
L7	—	B2
L8	2·2	B2
L9	—	B3
L10	—	B3
L11	—	B3
L12	—	B3
L13	—	B3
L14	—	B3
L15	3·0	B3
L16	—	B1
L17	—	B1

Transistors*

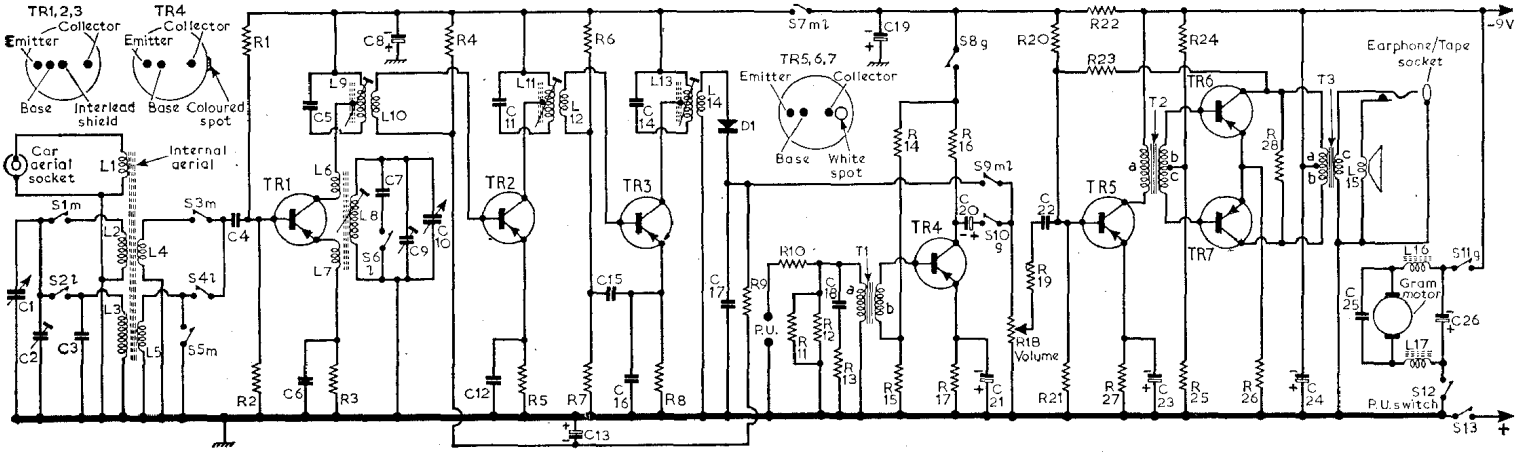
T1	a	2,500·0	B1
	b	50·0	
T2	a	150·0	A3
	b	45·0	
	c	45·0	
T3	a	2·5	A3
	b	2·5	
	c	—	

Miscellaneous

D1	OA90	B2
S1-S11	—	C3
S12	—	B1
S13	—	A3

**Approximate d.c. resistance in ohms.*

If the component numbers in these tables are used when ordering spare parts, dealers are requested to mention the fact on the order.



CIRCUIT ALIGNMENT

Equipment Required.—An a.m. signal generator; a 0-2.5V d.c. voltmeter for use as an output meter; and r.f.-coupling coil; a 0.5μF capacitor and 820Ω resistor.

1.—Connect the d.c. voltmeter between the junction **D1, R9, C17** and chassis, i.e., across **C17** (positive to chassis). Connect the signal generator via the 0.5μF capacitor and 820Ω resistor wired in series, to the base of **TR3**.

2.—Feed in a 470kc/s modulated signal and adjust **L13** for maximum output. Then transfer the signal generator in turn to **TR2** base and **TR1** base adjusting **L11** and **L9** respectively for maximum output.

3.—Switch receiver to m.w. and turn the tuning gang to maximum capacitance (fully closed). With the signal generator connected to **TR1** base, feed in a 540kc/s signal and adjust **L8** for maximum output.

4.—Turn the tuning gang to minimum capacitance. Feed in 1,640kc/s signal and adjust **C9** for maximum output.

5.—Repeat operations 3 and 4 as necessary until there is no further improvement.

6.—Remove the signal generator from **TR1** base and connect it to the r.f. coupling coil. Loosely couple the coil to the ferrite rod aerial. Tune receiver to 500m. Feed in a 600kc/s signal and adjust **L2** for maximum output.

7.—Tune receiver to 231m. Feed in a 1,300kc/s signal and adjust **C2** for maximum output.

8.—Switch receiver to l.w. and tune to 1,364m. Feed in a 220kc/s signal and adjust **L3** for maximum output.