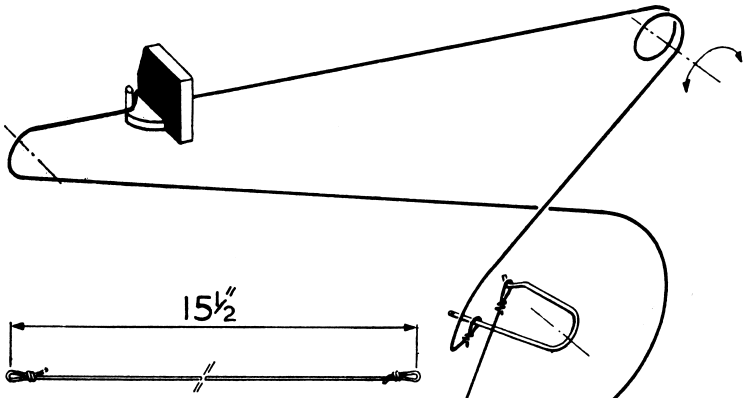
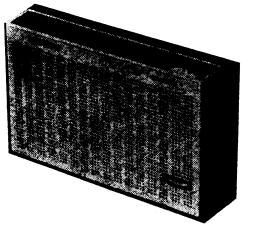
MECHANICAL PARTS LIST

Description	Code No.	DESCRIPTION	CODE No.
Aerial slab support	4822.198.00188	Dial cord, 15½" required	MK.839.12
Battery connector assy. (+ and — take off)	4822.492.50405	Dial cursor assy.	4822.198.00187
Battery connector assy. (phone end)	4822.198.00199	Dial cord spring	4822.198.00185
Battery slide assy.	4822.423.40113	Dial drum	4822.198.00184
Carrying case	CR.575.055	Dial scale (see scale bracket and knob assy.)	
Case back assy.	4822.421.10001	Knob—tuning	4822.198.00179
Case front assy.	4822.420.10062	Knob—volume (see R11)	
Dial background	4822.198.00186	Phone/speaker switch	4822.198.00201
		Scale bracket and knob assy.	3113.108.07320



TUNING CAPACITOR IN CLOSED POSITION

PHILIPS Service notes



MODEL LIWZ33T

SPECIFICATIONS

Tuning range	525-1622 kc/s.
Intermediate frequency	454 kc/s.
Batteries	4 x type 1015 (4 x 1.5V).
Battery consumption	12 mA (no signal).

REMOVAL OF PRINTED BOARD

The case back retaining screw is located within the battery compartment. Removal of this screw enables the back to be lifted off. Then remove the two board mounting screws and lift the board as a complete assembly away from the case to the extent of the speaker leads.

Refitting is a reversal of the above procedure but care should be taken to reposition the battery contacts when replacing the case lid.

ALIGNMENT

The locations of trimming points in the receiver are shown in an inset on the circuit drawing.

I.F. Alignment

Fully open the tuning capacitor and put the volume control at maximum. Using a 470K capacitor as dummy—
(a) Apply 455 kc/s to base TR3 and peak core of L10/11.
(b) Apply 454 kc/s to base TR2 and peak core of L8/9.
(c) Apply 454 kc/s to base TR1 and peak core of L6/7.

R.F. Alignment

Using a 470K capacitor as dummy, inject at base of TR1—
(a) With tuning capacitor fully closed, at 515 kc/s peak core of L4/5.
(b) With tuning capacitor fully open, at 1630 kc/s peak C27. Repeat these adjustments.

Using a single turn around the aerial slab as coupling and rocking the tuning during adjustment—
(a) Apply 525 kc/s and peak position L1/2.
(b) Apply 1300 kc/s and peak C28.

August, 1966

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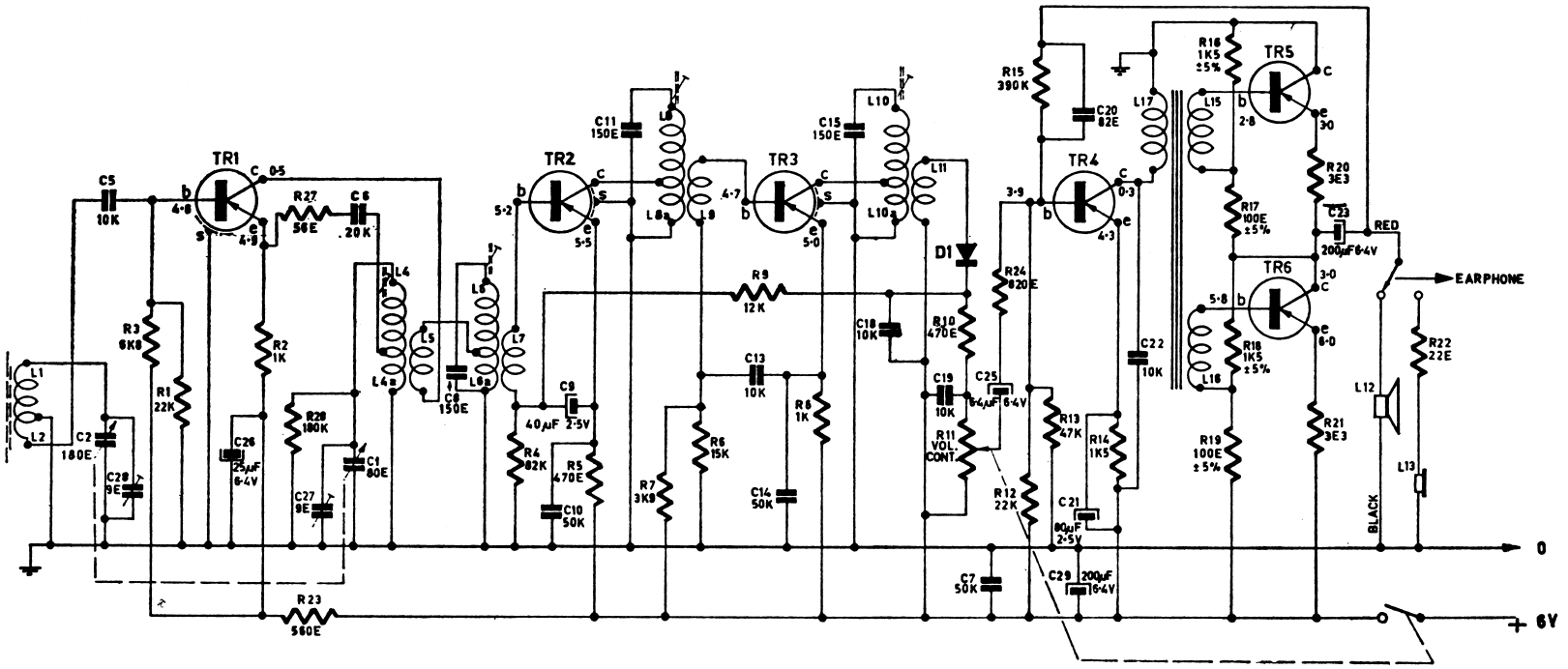
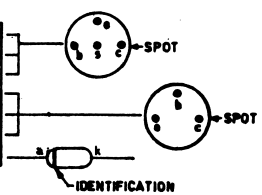
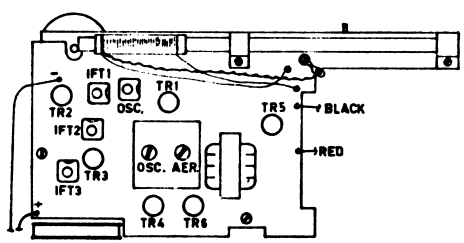


RESISTORS ±10% UNLESS INDICATED OTHERWISE.
WHOLE NUMBERS-PF UNLESS INDICATED OTHERWISE.
R11 5KΩ SEMI-LOG WITH SWITCH.
L 12 MSP TYPE 225JB/27 SPEAKER
L 13 R10N TYPE RM-392 EARPHONE

TR1	AF117N
TR2	AF117N
TR3	AF117N
TR4	AC125
TR5	AC128
TR6	AC128
D1	OA90





NOTE: IN ANY RECEIVER TR5 & TR6 MUST BE A MATCHED PAIR.