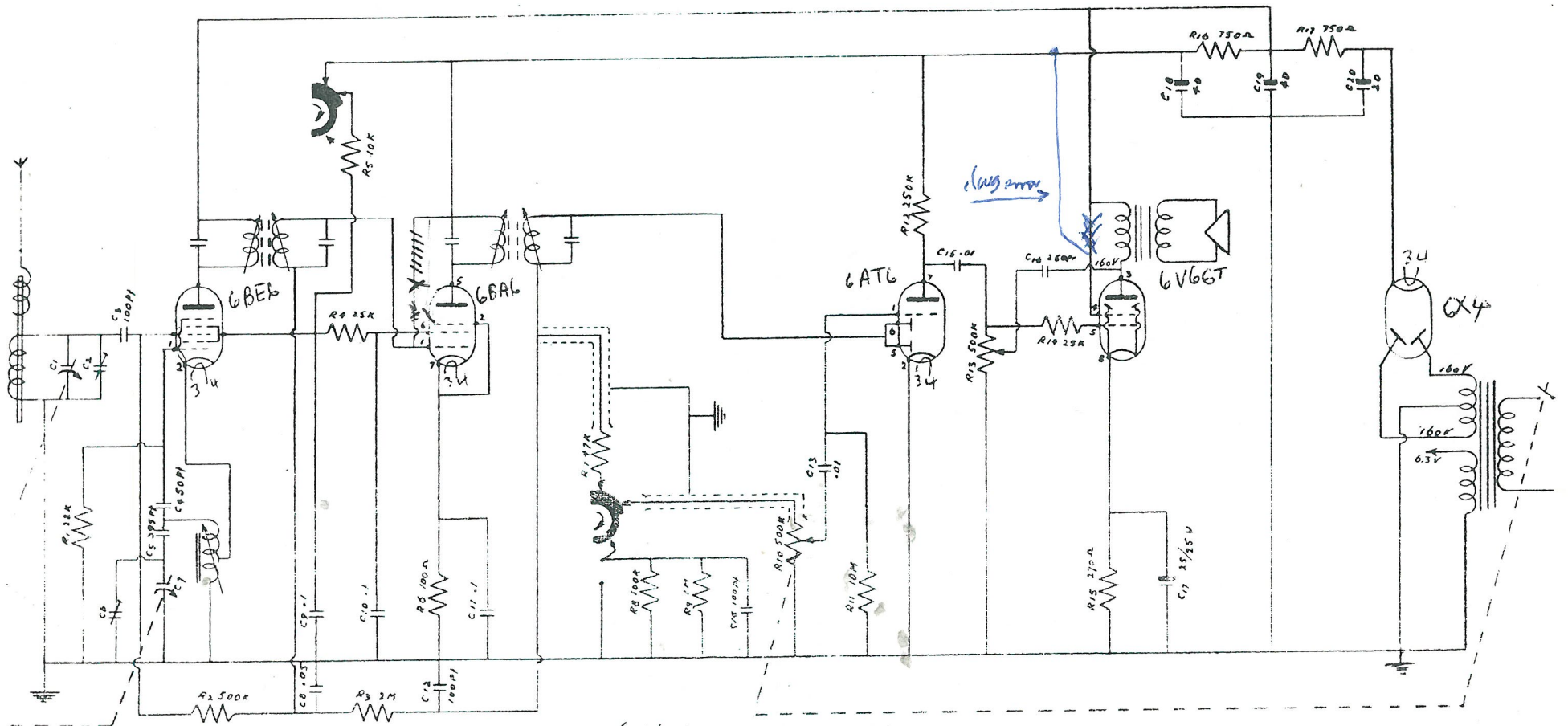


"LITTLE NIPPER MK III" and "LUTON" (wooden cabinet)



Little Nipper MK III use 4x6F spk
 & Luton (wooden cabinet) use 5x7H spk

6V6GT

uses definite orient ment

SERVICE MANUALLITTLE NIPPER MARK III & LUTON MODEL 57011. DESCRIPTION:

Five valve superheterodyne broadcast receiver with provision for gramophone input.

VALVES:

V1 - 6BE6 Frequency changer
V2 - 6BA6 I.F. Amplifier
V3 - 6AT6 Detector and audio amplifier
V4 - 6V6GT Audio output
V5 - 6X4 Rectifier

SPEAKER:

Rola 4X6F (Plastic cabinet)
Rola 5X7H (Wooden cabinet)

POWER SUPPLY:

230 Volts 50 cps.

POWER CONSUMPTION:

27 watts.

FREQUENCY RANGE:

540-1600 Kc/s.

INTERMEDIATE FREQUENCY:

455 Kc/s.

AERIAL:

Ferrox rod (directional.) Provision for external aerial.

CABINET:

Plastic (Red, Cream, Dove-Grey).
Wooden (Light, Medium).

2. I.F. ALIGNMENT:

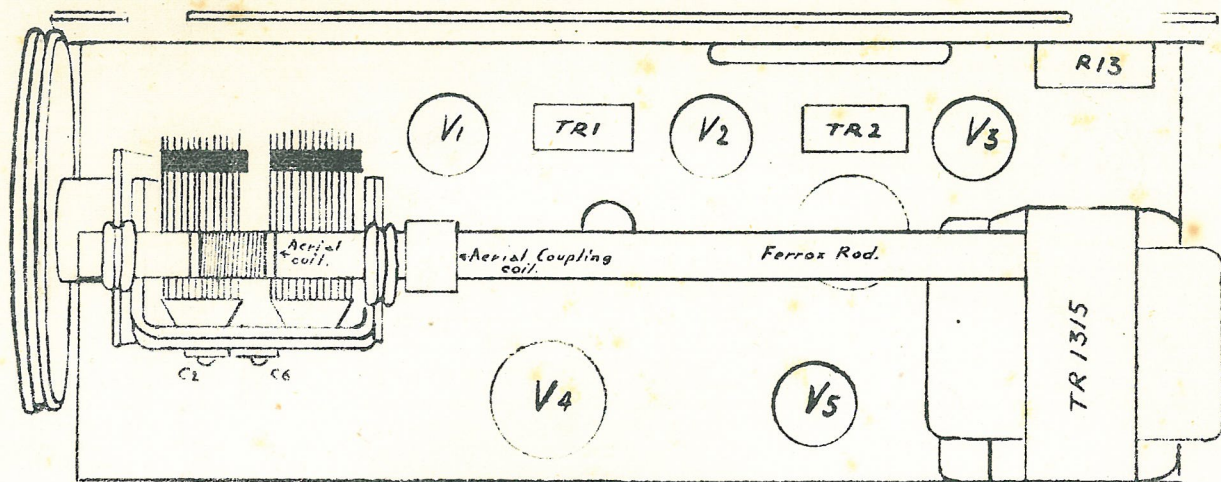
- a). Connect output meter across speech coil of 3 ohm speaker.
- b). Short out oscillator; rear of tuning gang.
- c). Fully close gang.
- d). Connect signal generator through 0.1 M.F. condensers to front of tuning gang.
- e). Set signal generator to 455 Kc/s.
- f). Turn volume control to maximum.
- g). Adjust I.F. transformers for maximum output, commencing with 2nd I.F. transformer; reduce signal input as necessary.

3. R.F. ALIGNMENT:

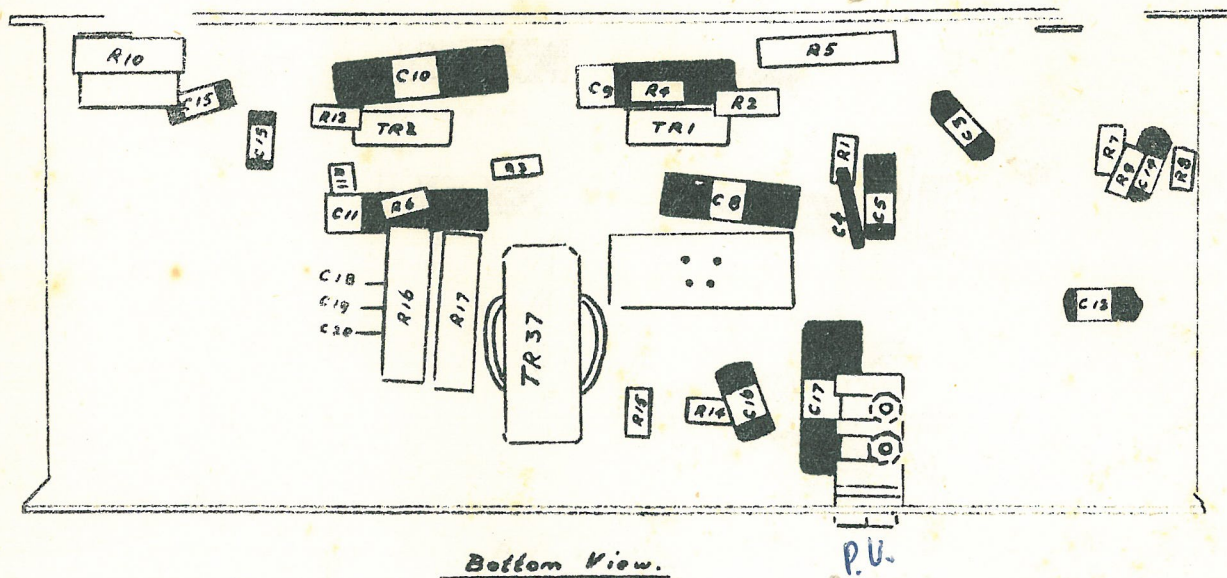
- a). Remove oscillator shorting strip.
- b). Set dial pointer to index mark on scale, with gang fully closed.
- c). Connect signal generator to aerial and earth terminals through dummy aerial.
- d). Set signal generator to 1400 Kc/s. Set pointer to 1400 Kc/s on dial.
- e). Adjust oscillator trimmer C.6 on top rear of tuning gang for maximum output.
- f). Set signal generator to 600 Kc/s. Set pointer to 600 Kc/s on dial.
- g). Adjust oscillator coil core for maximum output.
- h). Adjust aerial coil on ferrox rod aerial for maximum output.
- i). Return signal generator and dial pointer to 1400 Kc/s. If necessary repeat 4, 5, 6, and 7.
- j). With signal generator and dial pointer on 1400 Kc/s, adjust aerial trimmer C.2 on bottom rear of tuning gang for maximum output.
- k). Note: The ferrox rod aerial is highly directional.

4. WIRING:

Earthwires - Black. Heaters and dial lights - Blue.
Grids - Green. H.T. Leads - Red. Aerial - White.



Top View (Chassis)
Valve and Trimmer Layout



Little Nipper MK III
Luton 5701