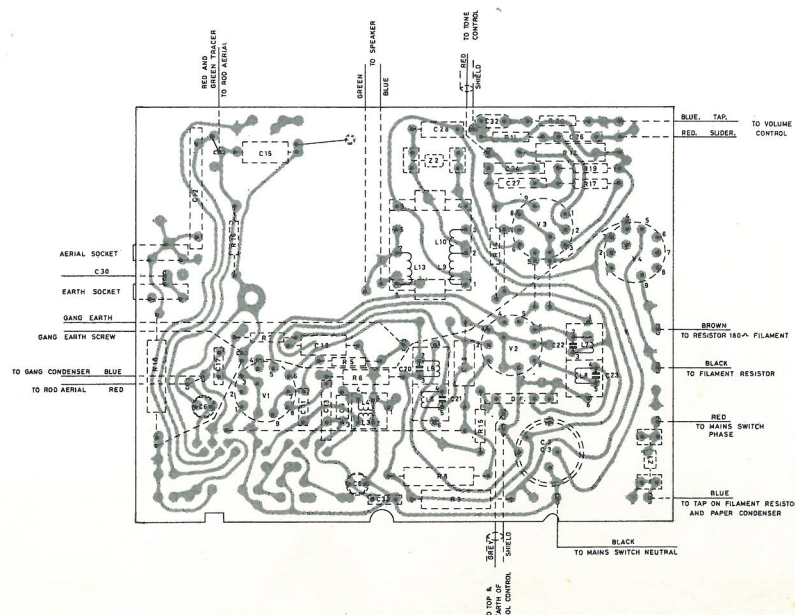


181-195 WAKEFIELD STREET, WELLINGTON G.P.O. BOX 2097 PHONE 57-250

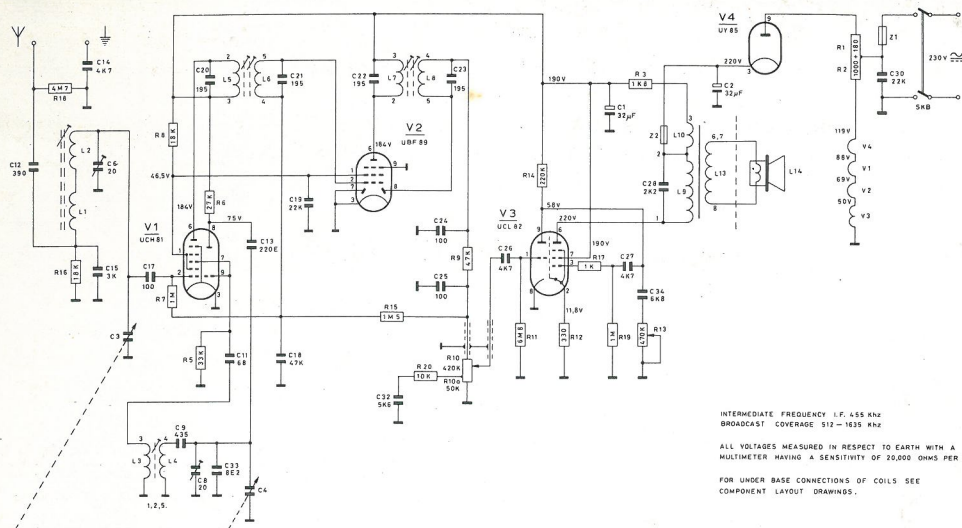
B2Z56U.

ALIGNMENT INSTRUCTIONS.

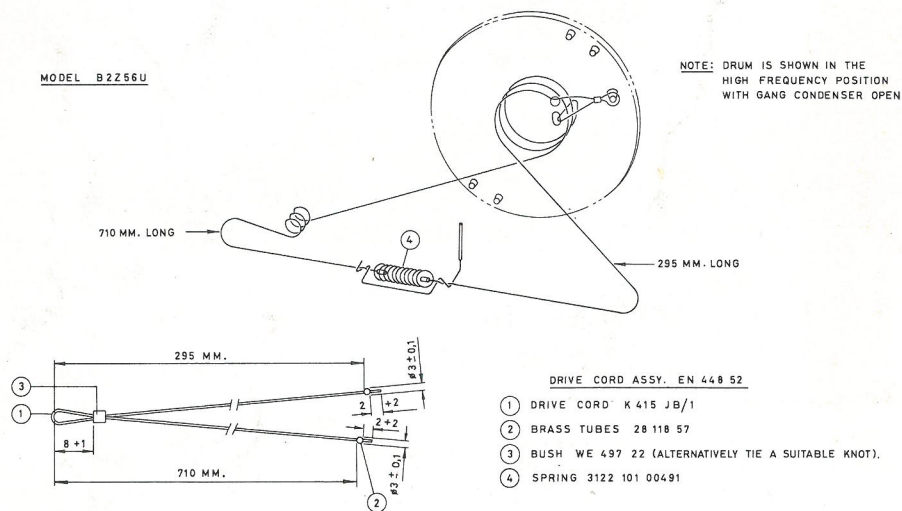
455 KHZ



CIRCUIT DIAGRAM.



DRIVE CORD ASSEMBLY.



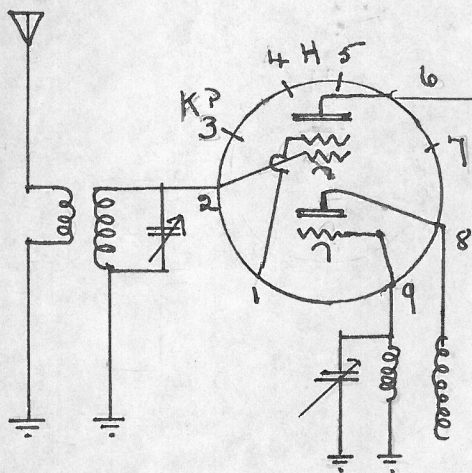
PARTS LIST.

Valves

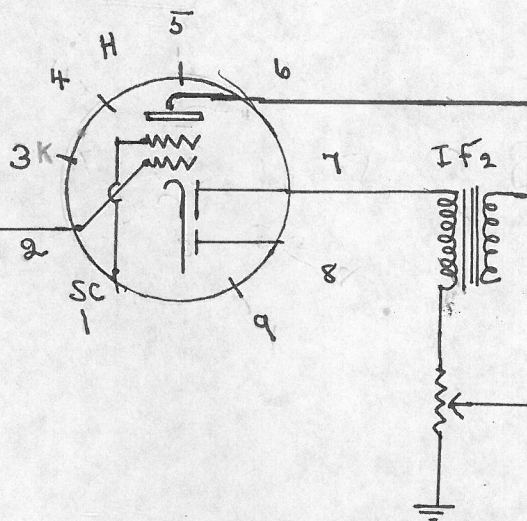
| | |
|-----------------------|-------------------------|
| UCH81 | Mixer - Oscillator |
| UBF89 | IF amplifier - detector |
| UCL82 | Audio amp - output |
| UY85 | Rectifier |
| Loudspeaker | AD2400W |
| Knobs (Vol. & Tuning) | 3122.108.00400 |
| Volume Control | R10 EO98CD/OOB14 |
| (with mains switch) | |
| Tone Control | R13 EO98CG/OOB13 |

| | | |
|-------------------------|-----------|----------------|
| Aerial Coil | L1 - L2 | 3122.108.21230 |
| Osc. Coil | L3 - L4 | A3.129.75 |
| 1st I.F. coil | L5 - L6 | A3.129.23 |
| 2nd I.F. Coil | L7 - L8 | A3.129.23 |
| Output transformer | L9 - L10 | 3122.108.30370 |
| Tuning Gang | 49.002.67 | 49.002.67 |
| Mains dropping resistor | R1 R2 | B1.635.76 |
| Fuse 315 m/a | | 4823.253.27311 |
| Fuse 63 m/a | | 4823.253.27639 |

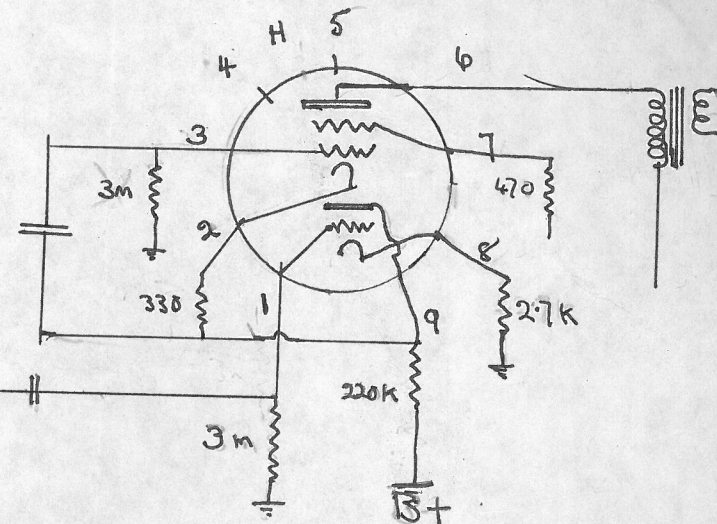
UCH 81 mixer



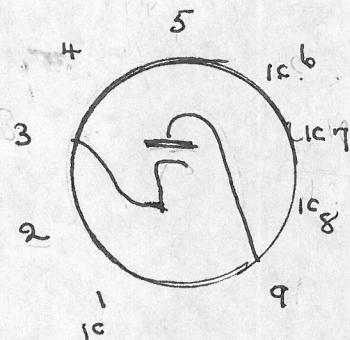
UBF 89 IF - diode det



UCH 82 Driver - out-put



UY 85 half wave rectifier



Philips
Model B2256U

this is not the Philips circuit
but the suggested connections
for guidance.

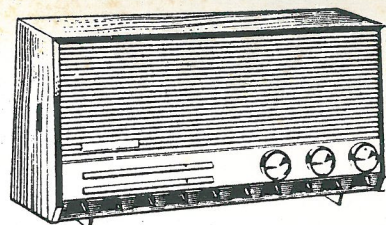
PHILIPS *Service*

PHILIPS ELECTRICAL INDUSTRIES OF NEW ZEALAND LIMITED

143A HOBSON STREET, AUCKLAND P.O. BOX 5124 PHONE 34-410

77 FERRY ROAD, CHRISTCHURCH P.O. BOX 1488 PHONE 65-244

181-195 WAKEFIELD STREET, WELLINGTON G.P.O. BOX 2097 PHONE 57-250



PHILIPS B2Z56U.
FLEETWOOD FL256U
PHILIPS B2Z55U

ALIGNMENT INSTRUCTIONS.

Wave Rance

512' - 1635 KHZ

Valves

UCH81 : UBF89
UCL82 : UY85

Loudspeaker

AD 2400W

3 ohms

I. F. Frequency

455 KHZ

ALIGNMENT OF RECEIVER

Connect earth of Signal Generator via .05 mfd Capacitor to metal frame of tuning capacitor.

Before commencing any alignment adjustments, refer to
TRIMMER LOCATION DIAGRAM

INTERMEDIATE FREQUENCY ALIGNMENT INSTRUCTIONS

Turn tuning capacitor to minimum capacity (higher frequency) and the volume control to maximum. Keep the audio output level constant at approximately 50 M.W. during alignment operations.

| Trimming Frequency | Connect Signal Generator | Adjust for Max. Output |
|---------------------------|---|------------------------------------|
| 455 KHZ Modulated. 30% | Via 10K pfd capacitor to Grid (Pin 2) of V1 UCH81. | Cores L8-L7-L6-L5 in this order |

R.F. CIRCUIT ALIGNMENT

The local oscillator is at a higher frequency than the signal frequency.

Coverage = 512 - 1635 KHZ.

Connect signal generator via Standard Dummy Aerial to Aerial socket of receiver.

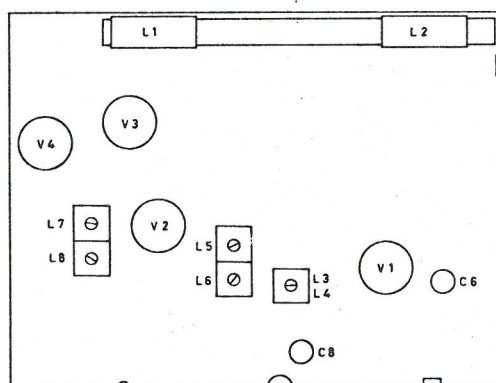
| Trimming Frequency | Gang. Position | Trim for Max. Output |
|---------------------------|----------------------------------|--|
| 512 KHZ Modulated 30% | Fully closed Maximum capacity | L3 L4 Oscillator coil core, L1 Aerial coil on rod. |
| 1635 KHZ Modulated 30% | Fully open Minimum capacity | C8 Oscillator Trimmer C6 Aerial trimmer |

Repeat the above procedure of RF Alignment, then seal trimmers and aerial coil on ferro-cube rod.

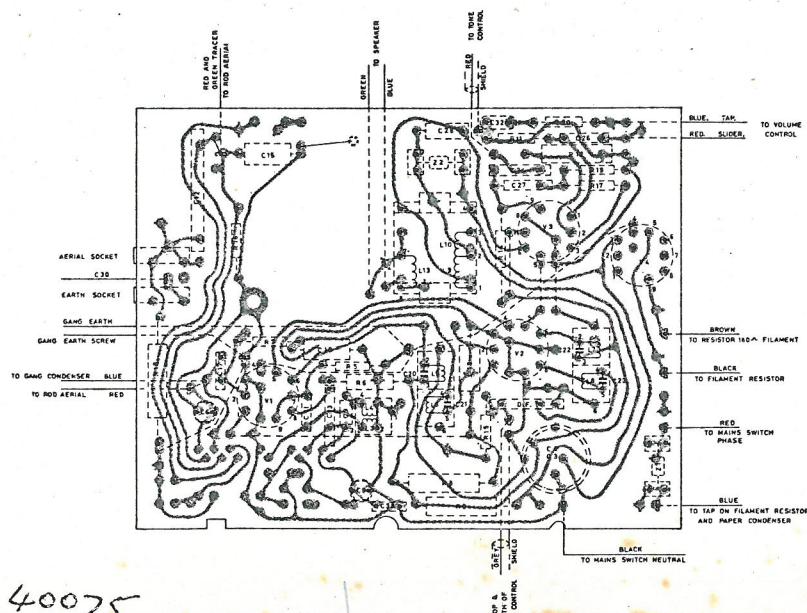
With the tuning knob close the gang tuning capacitor, and adjust the pointer to the low frequency end of the dial scale (left hand end). A hole is provided in the left hand floor section of the cabinet in order to provide some adjustment of the pointer after the receiver has been assembled.

Sensitivity: 16 microvolts at aerial terminal for 50 milliwatts output.

TRIMMER LOCATION DIAGRAM.



BOTTOM VIEW OF PRINT BOARD.



ELECTROLYTIC

4822 124 40075