

Sears Roebuck & Co.

Model: R101

Chassis:

Year: Pre April 1941

Power:

Circuit:

IF:

Tubes:

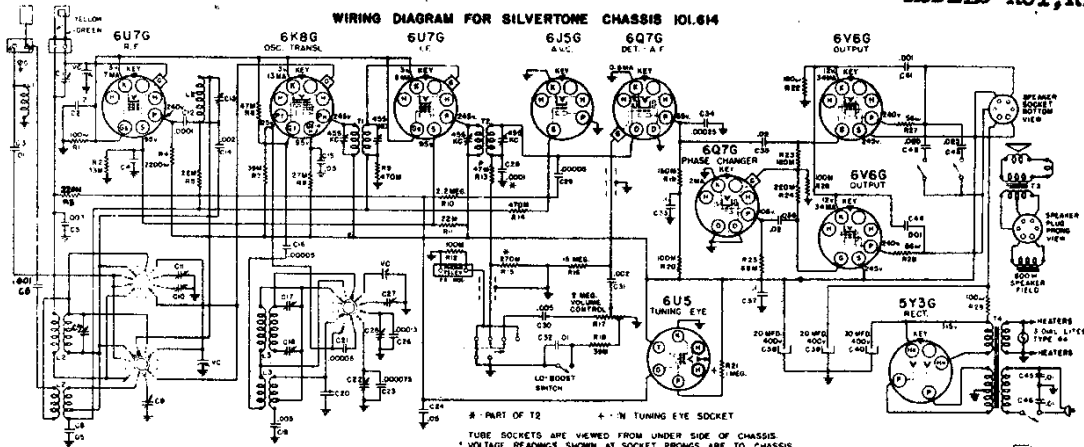
Bands:

Resources

Riders Volume 12 - SEARS 12-5

SEARS-ROEBUCK & CO.

MODEL R101
Chassis 101.614
MODELS R81, R1171



JUNE 18, 1940

ALIGNMENT PROCEDURE

INTERMEDIATE FREQUENCY 455 kc

Output meter connection Across loudspeaker voice coil
Output meter reading to indicate 500 milliwatts 1.6 volts
Approximate microvolts input for 500 milliwatts output See chart below
Position of Volume Control Fully clockwise
Position of Tone Control Both buttons out
Position of Dial Pointer with variable fully closed On first mark to left of 550 kc calibration mark

| WAVE BAND SWITCH POSITION | POSITION OF VARIABLE | GENERATOR FREQUENCY | DUMMY ANTENNA | GENERATOR CONNECTION | TRIMMERS ADJUSTED (IN ORDER SHOWN) | TRIMMER FUNCTION | APPROXIMATE MICROVOLTS |
|---------------------------|----------------------|---------------------|---------------|----------------------|------------------------------------|------------------|------------------------|
| "A" | Closed | 455 kc | .1 mfd. | 6K8G Grid | T2, T1 | IF | -- |
| "A" | Fully open | 1650 kc | .00005 mfd | Ant. Term. | C17 | Oscillator | -- |
| "A" | 1400 kc | 1500 kc | .00005 mfd | Ant. Term. | C1, C13 | Ant. Transl | 160 |
| "A" | 600 kc(rock) | 600 kc | .00005 mfd | Ant. Term. | C18 | Padder | 65 |
| "B" | 2.4 mc | 2.4 mc | 400 ohms | Ant. Term. | G7 | Translator | 150 |
| "C" | Open | 18.3 mc | 400 ohms | Ant. Term. | G27* | Oscillator | -- |
| "C" | 16 mc(rock) | 16 mc | 400 ohms | Ant. Term. | G11 | Translator | 60 |
| "D" | 9.55 mc | 9.55 mc | 400 ohms | Ant. Term. | G25* | Oscillator | -- |
| "D" | 9.55 mc(rock) | 9.55 mc | 400 ohms | Ant. Term. | G10 | Translator | 90 |
| "E" | 11.71 mc | 11.71 mc | 400 ohms | Ant. Term. | G22* | Oscillator | -- |
| "E" | 11.71 mc(rock) | 11.71 mc | 400 ohms | Ant. Term. | G9 | Translator | 90 |

* If two peaks can be had, the correct one is with the trimmer screw further out; the other peak is the image.

PUSH BUTTON TUNING MECHANISM: MODELS R81, R101, R1171

The adjustment for each push button is locked or unlocked by tightening or loosening the slotted screwhead made accessible when the push button knob is pulled off of its plunger. Stations are set up by unlocking the mechanism, tuning in the station, pushing in the plunger (being careful not to detune the station), releasing the plunger, then securely locking the adjustment by holding the screw driver lightly in the screwhead allowing the spring tension to hold the plunger against the screw driver.

POWER SUPPLY: All models available .105-125 volt AC; 50-60 cycle: 110 watts Type Push-Pull beam
All models available .105-125 volt AC; 25-60 cycle: 120 watts Undistorted 6 watts
Maximum 11 watts

FREQUENCY RANGES: Band "A" 540-1650 kc Band "B" 1475-2510 kc Band "C" 5.95-18.3 mc Band "D" 9.3-9.85 mc Band "E" 11-12 mc

