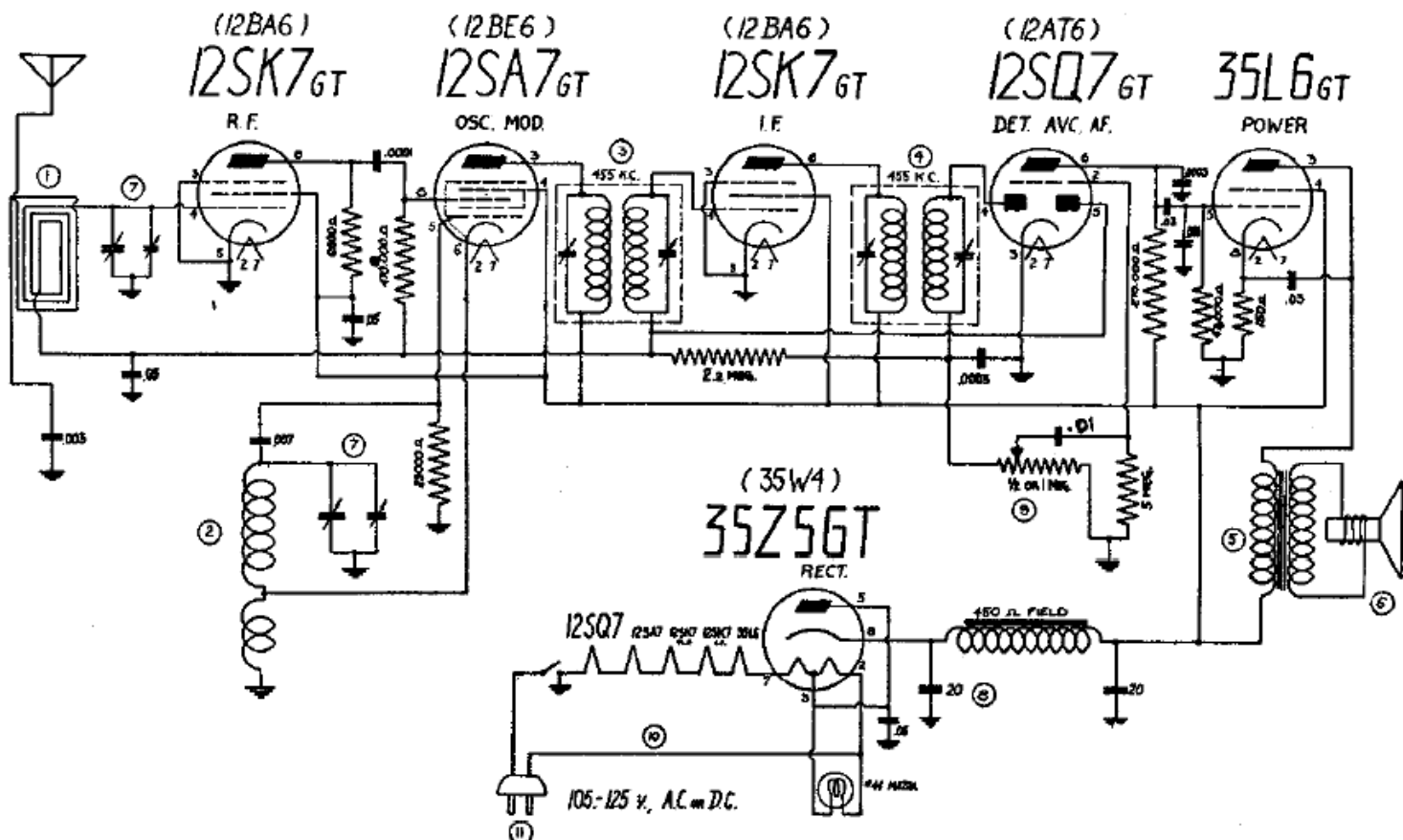


PUROTONE RADIO CORP.



This model is a superheterodyne receiver for regular radio broadcast reception, using latest low drain tubes for low power consumption. A self-contained antenna loop is incorporated which makes the use of an outside antenna unnecessary in most localities. It will function on 105 to 125 volts, 40-60 cycles AC, or 105 to 125 volts DC. A range of 540 to 1600 kilocycles is covered by the receiver.

INSTALLATION

1. Make certain that all tubes are in their proper place and sit secure in their sockets. A sketch, showing their location will be found on this sheet. To exchange tubes, remove the antenna loop by unscrewing the 2 lower screws on the wooden bracket.
2. If found that additional radio signal pick-up is required than is obtained by the inbuilt antenna loop, it is advisable to attach an outdoor aerial to the flexible lead, extended from said loop antenna.

VOLUME CONTROL

The knob on the left hand side is the power switch and volume control. When the control is in the extreme counter-clockwise position the power is "off." From this position, a slight clockwise rotation turns the power "on," and rotating the knob in this direction will increase the volume until full output is obtained.

TUNING CONTROL

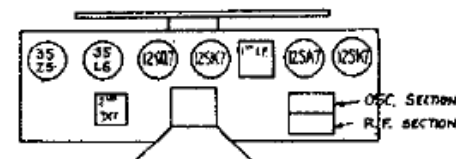
The knob on the right hand side is the tuning knob which operates the pointer and tuning condenser. A reduction drive insures easy and accurate selection of all stations within the range of the band. The pointer is phosphor luminous, and will maintain luminous power in the dark, when exposed regularly to bright daylight.

TO CALIBRATE RECEIVER

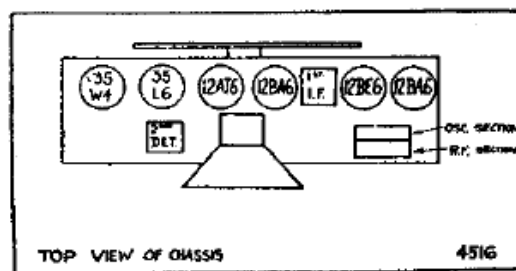
- I.F.** Connect antenna lead of the signal generator to R.F. section and ground lead of signal generator to receiver chassis. Connect an output meter across the voice coil. Rotate the volume control to maximum. Apply 455 K.C. signal to control grid of 12SK7 R.F. tube through a .05 capacitor. Second I.F. transformer to be aligned first, then 1st I.F. transformer, by adjusting trimmers.
- R.F.** Connect antenna lead to antenna, and ground lead of signal generator to receiver chassis. Adjust both generator and receiver to 1600 K.C. Peak oscillator trimmer for maximum output. Set the signal and receiver dial to approximately 1300 K.C. Adjust the antenna trimmer for maximum output.

LIST PRICES OF REPLACEMENT PARTS

Item NR.	Description	Price
4506-1	Antenna Loop	\$1.10
4506-2	Oscillator Coil	.55
4506-3	First I.F. Transformer	.93
4506-4	Second I.F. Transformer	.93
4506-5	Output Transformer	1.50
4506-6	5 in. Dyn. Speaker, without output	3.50
4506-7	2 Gang Variable Condenser	2.50
4506-8	Condenser 20 MFD + 20 MFD, 150 V.	1.20
4506-9	Volume Control—Switch	1.25
4506-10	Line Cord without Plug	.25
4506-11	Plug	.20
4506-12	Cabinet Back Cover	.30
4506-13	Dial Scale	.45
4506-14	Pulley	.35
4506-15	Octal Socket	.15
4506-16	Pilot Lamp Socket	.40
4506-17	Knob (Walnut or Dark)	.20
4506-18	Bushing	.25
4506-19	Dial Pointer	.36
4506-20	Drive Spring and Cord	.25



TOP VIEW OF CHASSIS 4506



TOP VIEW OF CHASSIS 4516