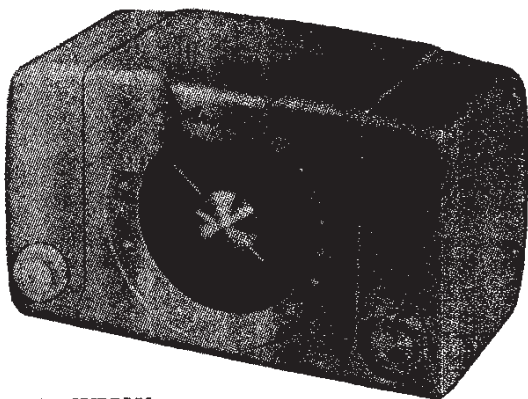


MODELS 450T,
451T, Ch. RE-281



SPECIFICATIONS

FREQUENCY RANGE

Broadcast 540-1600 kc
IF 455 kc

TUBES AND FUNCTIONS

12BE6 Mixer-oscillator
12BA6 IF Amp.
12AT6 DET-AVC AF Amp.
50C5 Output
35W4 Rectifier

LOUD SPEAKER

Type: Permanent magnet
Size: 5 Inch
Voice coil impedance 3.2 Ohms

CHASSIS FEATURES

Automatic Volume Control
Built-in Loop
Underwriters' Listed

OPERATING CONTROLS

1. Left knob ON-OFF Sw and Volume
2. Right knob Tuning

POWER SUPPLY

105-125 Volts, AC-DC, 35 Watts

POWER OUTPUT

Undistorted 1 Watt
Maximum 1.5 Watts
Plate load 2000 Ohms

PHYSICAL DIMENSIONS

Length 11 inches
Height 6 3/8 inches
Depth 5 1/2 inches

The same chassis is used in models 450T and 451T. 451T has additional cabinet trim and deluxe knobs, which are not used on Model 450T. 450T is made in Ivory and Walnut. 451T is made in the following colors: Ivory, Willow Green, Sandalwood, and Ebony.

THE ANTENNA

This receiver has a built-in loop which gives satisfactory reception in most locations. If the receiver is located some distance from a broadcasting station, or where the electrical interference is high, an outside antenna connected to the pickup lead on the loop, will improve reception.

This receiver is designed to operate without a ground connection and no attempt should be made to use one.

PRELIMINARY:

ALIGNMENT PROCEDURE

Output meter connection Across loudspeaker voice coil
Output meter reading to indicate 500 milliwatts (standard output) 8 volts
Dummy antenna value to be used in series with generator output See chart below
Connection of generator output lead See chart below
Connection of generator ground lead Floating ground
Generator modulation 30% 400 cycles
Position of volume control Fully clockwise
Position of dial pointer with variable fully closed Last mark at left end of dial

Position of Variable	Frequency of Generator	Dummy Antenna	Generator Output Connection	Trimmers Adjusted in Order Shown for Maximum Output	Function of Trimmer
Open	455	.05 mfd.	12BE6 Grid (Stator of CIA)	A1, A2, A3, A4,	IF
1400	1400		*Test Loop	A5, A6 on Variable Condenser	Osc. Ant.
600	600		*Test Loop	Check Point	

*Standard Hazeltine Test Loop Model 1150 or 3 turns of wire about 6" in diameter, placed about one foot from the set loop.