

Philco Radio & Television Corp.

Model: A-361

Chassis:

Year: Pre 1945

Power:

Circuit:

IF:

Tubes:

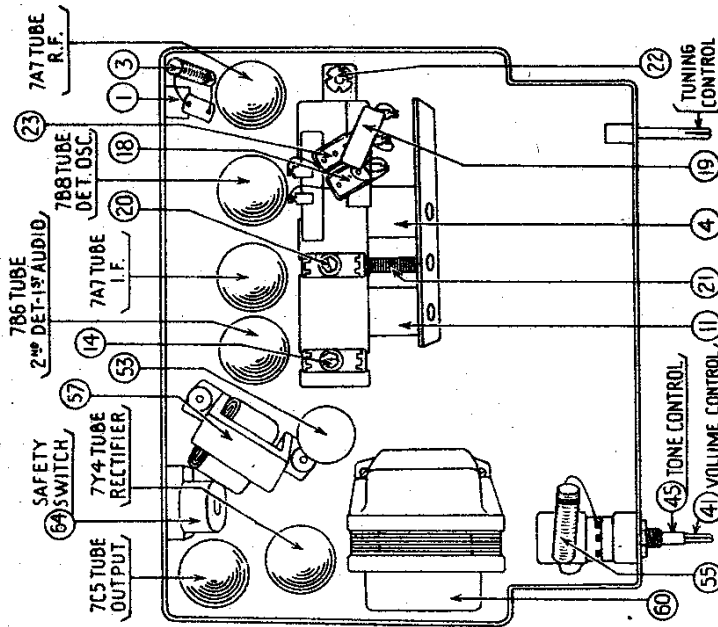
Bands:

Resources

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PHILCO RADIO & TELEVISION CORP.



control back and forth slightly for maximum output. Then readjust the screw for maximum output. Repeat this procedure until no further improvement can be obtained.

RECEIVER

DIAL SETTING	DUMMY CAPACITY	ADJUST PADDER
Note 2	.1 Mfd.	23, 24, 25, 26, 27, 28, 29
1600 K.C.	See Note 1	23
1400 K.C.	See Note 1	6, 14
590 K.C.	See Note 1	22, Note 3
1600 K.C.	See Note 1	23
1400 K.C.	See Note 1	6

SIGNAL GENERATOR

FREQUENCY	CONNECTION
1 265 K.C.	To Ant. Receptacle on Radio
2 1600 K.C.	To Ant. Receptacle on Radio
3 1400 K.C.	To Ant. Receptacle on Radio
4 590 K.C.	To Ant. Receptacle on Radio
5 1600 K.C.	To Ant. Receptacle on Radio
6 1400 K.C.	To Ant. Receptacle on Radio

EQUIPMENT — 077 or 070 Philco Signal generator, 027 Philco Vacuum tube voltmeter and set tester or audio output meter, 45-2510 Pecking screw driver.

GENERAL — **VACUUM TUBE VOLTMETER.** The model 027 Vacuum tube voltmeter is an extremely sensitive and accurate test instrument and is recommended for use when aligning and adjusting radios. Connect the negative (—) terminal of the Vacuum Tube Voltmeter to the high side (ungrounded side) of the volume control. Connect the positive (+) terminal to the radio housing. Connect the "AC" cord to a 110 volt AC socket. Press the VTVM button and the 10 volt button. Turn the "Set Zero Ohms — VTVM" control clockwise until a click is heard. Allow the tubes to heat up for a few minutes. Short the 150 meg. VTVM terminals and adjust the "Set Zero Ohms VTVM" control until the meter reads zero on the 0-10 range scale (green scale). The needle will deflect from right to left.

AUDIO OUTPUT METER. If an audio output meter is used, connect the leads across the voice coil of the speaker. Use the 0-10 volt scale.

With the Radio and signal generator set up for operation at the prescribed frequency, turn the Radio volume control on full and set the signal generator attenuator so that a half scale reading is obtained on the meter. The signal in the speaker should be audible but not loud.

The shielding on the generator output lead must be connected to the Radio housing.

Make all adjustments for maximum reading on the meter.

NOTE 1 — Connect a 15 mmfd. condenser across the output terminals of the signal generator and a 30 mmfd. condenser in series between the signal generator and the output lead.

NOTE 2 — Turn the tuning control clockwise as far as it will go.

NOTE 3 — Rock the tuning control while adjusting the low frequency screw. Tune the control to the signal and adjust the screw for maximum output. Rotate the tuning