

MODEL PT-69, Codes 121 and 122

SPECIFICATIONS

Model PT-69, Codes 121 and 122 are five tube, superheterodyne radios covering a tuning frequency range from 540 to 1580 K. C. This model is equipped with a self-starting Sessions electric clock. In addition, a loop aerial is built into the cabinets for portable use. Aerial connections are also provided, however, on the rear of the cabinet for an external aerial. An outside aerial should be used in steel reinforced buildings, apartment houses, hotels and other shielded locations where signal strength is weak. If an outside aerial is necessary, the Philco Utility Aerial, Part No. 40-6384, is recommended. Codes 121 and 122 are similar with the exception of the type of dial, tuning condenser and loop aerial assembly.

INTERMEDIATE FREQUENCY: 455 K. C.

POWER SUPPLY: Operates on either a 115 volt alternating current (A. C.) or 115 volt direct current (D. C.) power supply.

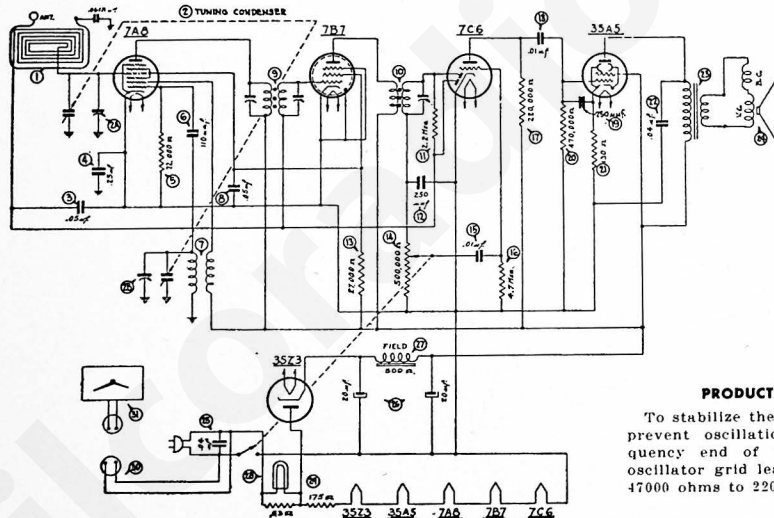
PHILCO TUBES USED: One 7A8, converter; one 7B7, I. F. amplifier; one 7C6, 2nd detector, 1st audio, A. V. C.; one 35A5, audio output and one 35Z3, rectifier.

ALIGNING PROCEDURE: The aligning procedure for this model will be found on page 8.

PRODUCTION CHANGES

Several parts were changed in this model and the code number changed from 121 to 122. These changes are as follows:

	Code 121	Code 122
Dial	27-5554	27-5570
Instructions	39-6573	39-6712
Loop Aerial Ass'y	38-9858	32-3179
Tuning Condenser	31-2429	31-2448



PRODUCTION CHANGE

To stabilize the oscillator circuit and prevent oscillation at the high frequency end of the tuning dial, the oscillator grid leak was changed from 47000 ohms to 22000 ohms.

REPLACEMENT PARTS

SCHE. No.	DESCRIPTION	PART No.	SCHE. No.	DESCRIPTION	PART No.	SCHE. No.	DESCRIPTION	PART No.
1	Loop Antenna Assembly (Code 121)	38-9858	21	Resistor (130 ohms, 1/2 watt)	33-113338		Cable	41-3484
	(Code 122)	32-3179	22	Tubular Condenser (.04 mf., 400 v.)	30-4119		Cable (Power)	1-3199
2	Tuning Condenser (Code 121)	31-2429	23	Output Transformer (for Speaker 36-1469-1)	32-8047		(Clip (Coil Mounting)	28-5002
	Tuning Condenser (Code 122)	31-2448		(for Speaker 36-1469-2)	32-8044		Cone Assembly	
3	Tubular Condenser (.05 mf., 200 v.)	30-4519		(for Speaker 36-1469-9)	32-8044		(for Speaker 36-1469-1)	36-4115
4	Tubular Condenser (.25 mf., 400 v.)	30-4804	24	Speaker	30-1489		(for Speaker 36-1469-2)	36-4132
5	Resistor (22,000 ohms, 1/2 watt)	33-322154	25	Tubular Condenser (.04 mf., 400 v.)	30-4119		(for Speaker 36-1469-9)	36-4113
6	Mica Condenser (110 mmf.)	30-1130	26	Electrolytic Capacitor (20-20 mf., 150 v.)	30-2382		Dial (Code 121)	27-5554
7	Oscillator Transformer	32-3182	27	Field Coil (For 50 Cycle operation)	45-2778		Dial-1 (Code 122)	27-5570
8	Tubular Condenser (.05 mf., 200 v.)	30-4519		(For 60 Cycle operation)	45-2779		Dial Pointer	27-3891
9	1st I. F. Transformer	32-3177	28	Pilot Lamp	34-2068		Dial Drive Cord	31-2370
10	2nd I. F. Transformer	32-3178	29	Line Resistor	33-3387		Dial Drive Shaft	31-2358
11	Resistor (2.2 megs., 1/2 watt)	33-522154	30	Connector Cable	41-3484		Instructions (Code 121)	39-6573
12	Mica Condenser (250 mmf.)	61-0033	31	Complete Clock (For 50 Cycle operation)	45-2778		Instructions (Code 122)	39-6712
13	Resistor (27,000 ohms, 1/2 watt)	33-322334		(For 60 Cycle operation)	45-2779		Knob (Volume Tuning)	27-4809
14	Volume Control (500,000 ohms)	33-5306					Rubber Grommet	27-4610
15	Tubular Condenser (.01 mf., 200 v.)	30-4479					Speaker	36-1469
16	Resistor (4.7 megs., 1/2 watt)	33-547154					Snap Fastener (Dial Mounting)	56-1387
17	Resistor (220,000 ohms, 1/2 watt)	33-422154					Socket (Pilot Lamp)	38-9825
18	Tubular Condenser (.01 mf., 400 v.)	30-4572					Socket (Tube)	27-6130
19	Mica Condenser (250 mmf.)	61-0033					Spring (Drive Cord)	28-8954
20	Resistor (470,000 ohms, 1/2 watt)	33-447154					Screws (Clock Mounting)	W-1837
							Screws (Back Mounting)	W-2023

MISCELLANEOUS PARTS

Bolts (Chassis Mounting).....W-2017
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