MODEL PT-59

SPECIFICATIONS

Model PT-59 is a five tube electric push-button tuning superheterodyne radio with a manual tuning covering 540 to 1720 K. C. on the broadcast range and 2.3 to 2.5 megacycles (M. C.) on the local police range.

Six electric push-buttons are provided. Five of the push-buttons are used for stations and one push-button for selecting dial tuning. The push-buttons cover a frequency range as follows: 540 to 1600 kilocycles.

INTERMEDIATE FREQUENCY: 470 K. C.

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

Note—if no sound is heard on D. C. circuits after the tubes are sufficiently heated, reverse the power plug in the outlet. If a slight hum is heard when operating on A. C. power supply, the power plug should also be reversed.

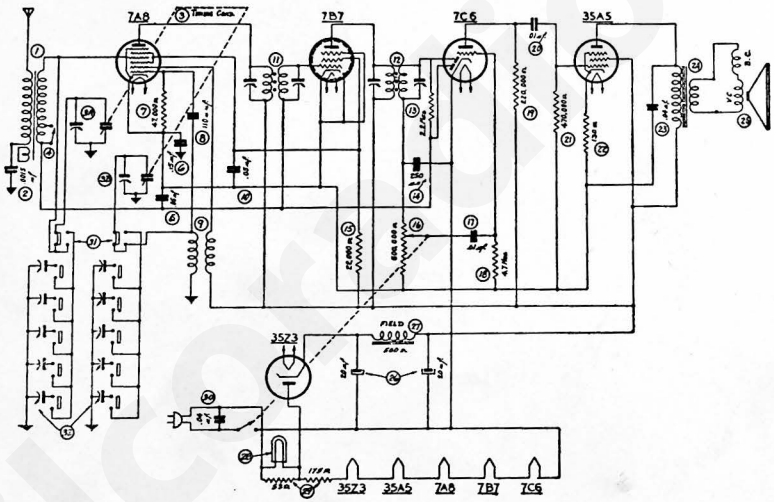
PHILCO TUBES USED: One 7A8, converter; one 7B7, I. F. amplifier; one 7C6, 2nd detector, 1st audio, A. V. C.; one 35A5, audio output and one 35Z3, rectifier.

AERIAL: A twenty foot indoor aerial wire is attached to the radio for average receiving conditions. To obtain best reception, however, in apartment houses, hotels, or steel reinforced buildings where signal strength is weak, an outside aerial, such as a Philco Utility Aerial, Part No. 40-6384, is recommended.

ALIGNING PROCEDURE: The instructions for adjusting the R. F. and I. F. compensators will be found on page 6.

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.
1	Antenna Transformer	32-3164
2	Tubular Condenser (.0015 mf., 200 v.)	30-4555S
3	Tuning Condenser	31-2435
4	Switch	42-1406
5	Tubular Condenser (.05 mf., 200 v.)	30-4519S
6	Tubular Condenser (.15 mf., 400 v.)	30-4505S
7	Resistor (47,000 ohms, ¼ watt)	33-347154
8	Mica Condenser (110 mmf.)	30-1130
9	Oscillator Transformer	32-3152
10	Tubular Condenser (.05 mf., 200 v.)	30-4519S
11	1st I. F. Transformer	32-3149
12	2nd I. F. Transformer	32-3150
13	Resistor (2.2 meg., ¼ watt)	33-522154
14	Mica Condenser (250 mmf.)	61-0033
15	Resistor (22,000 ohms, ½ watt)	33-322334
16	Volume Control (500,000 ohms)	33-5306
17	Tubular Condenser (.01 mf., 200 v.)	30-4479S
18	Resistor (4.7 meg., ¼ watt)	33-547154
19	Resistor (220,000 ohms, ¼ watt)	33-422154
20	Tubular Condenser (.01 mf., 400 v.)	30-4572S
21	Resistor (470,000 ohms, ¼ watt)	33-447154
22	Resistor (130 ohms, ½ watt)	33-113336
23	Tubular Condenser (.4 mf., 400 v.)	30-4119S
24	Output Transformer (for Speaker 36-1469-1)	32-8047
	(for Speaker 36-1469-2)	32-8044
	(for Speaker 36-1469-9)	32-8044
25	Cone Assembly (for Speaker 36-1469-1)	36-4115
	(for Speaker 36-1469-2)	36-4132
	(for Speaker 36-1469-9)	36-4113
26	Electrolytic Condenser (20-20 mf., 150 v.)	30-2382
27	Field Coil Part of Speaker, Part No.	36-1469
28	Pilot Lamp	34-2068
29	Line Resistor	33-3367
30	Tubular Condenser (.04 mf., 400 v.)	30-4119S

MISCELLANEOUS PARTS

	Cable (Power)	L-3199
	Cabinet	10368A
	Cabinet Back	27-9324
	Cabinet Feet	27-9337
	Clip (Coil Mounting)	28-5002
	Dial Drive Arm	56-1376
	Dial Drive Drum	56-6033
	Dial Drive Shaft	31-2355
	Dial Drive Cord	31-2358
	Knob (Tuning and Volume)	27-4815
	Knob (Push-Button)	27-4824
	Rubber Grommet (Switch and Padder Mtg.)	27-4596
	(Tuning Condenser Mtg.)	27-4610
	Rubber Tubing (Driving Arm)	27-9334
	Spring (Drive Cord)	28-8751
	Socket (Tubes)	27-6130
	Socket (Pilot Lamp)	38-9825
	Screw (Drive Arm Mounting)	W-2036
	Screw (Back Mounting)	W-2062
	Screw (Chassis Mounting)	W-2176
	Speaker	36-1469
	Tab (Dial)	27-5528