

MODEL 41-KR

SPECIFICATIONS

Model 41-KR is a combination Radio and Clock. The radio consists of a five tube superheterodyne circuit covering a tuning frequency range from 54 to 1600 K. C.; built-in loop Aerial, Automatic Volume Control; Philco Loktal tubes; and a beam power audio output stage.

INTERMEDIATE FREQUENCY: 455 K. C.

POWER SUPPLY: This Model is designed for operation from a 115 Volt alternating current (A. C.) power supply.

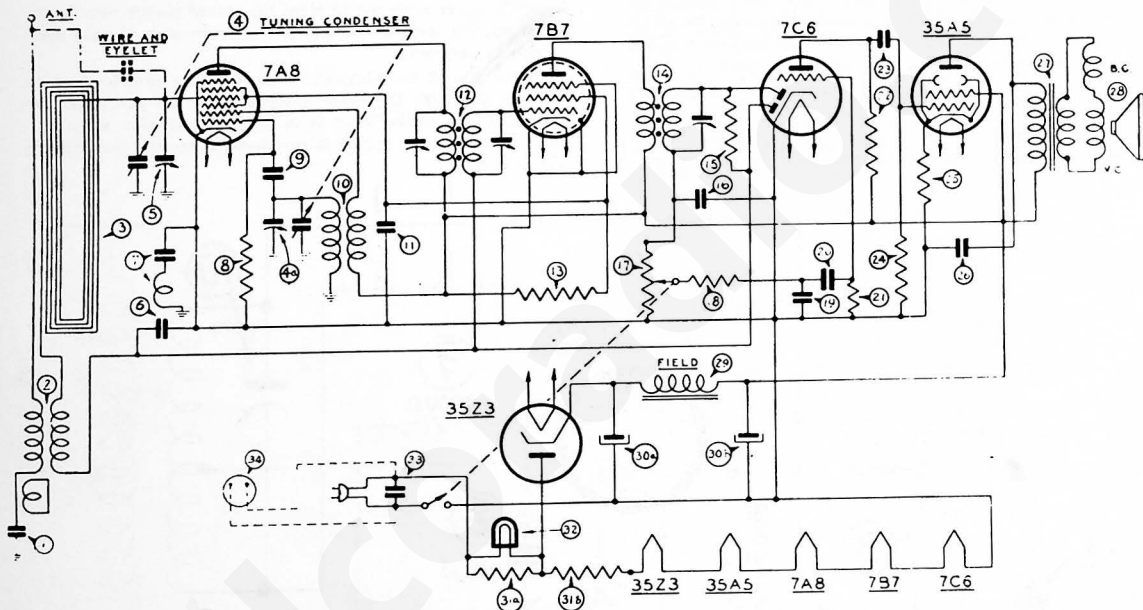
POWER CONSUMPTION: 35 Watts.

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

AERIAL AND GROUND: To obtain maximum performance in steel reinforced buildings, apartment house and other shielded locations where signal strength is weak, provisions are also provided at the rear of the cabinet for outside aerial.

ALIGNING PROCEDURE

The instructions for aligning the R. F. and I. F. compensators is the same as that listed on page 36 for Model PT-42.



WIRING DIAGRAM, PHILCO RADIO MODEL 41-KR

Replacement Parts — Model 41-KR

| SCHEM. No. | DESCRIPTION | PART No. | SCHEM. No. | DESCRIPTION | PART No. | SCHEM. No. | DESCRIPTION | PART No. |
|------------|---------------------------------------|-----------|------------|--|-----------|--------------------------------|-----------------------------|----------|
| 1 | Tubular Condenser (.0015 mf., 200 V.) | 30-4555S | 21 | Resistor (4.7 meg., 1/4 watt) | 33-547154 | 34 | Clock (115 Volts, 60 Cycle) | 45-2804 |
| 2 | Antenna Transformer | 32-3394 | 22 | Resistor (220,000 ohms, 1/4 watt) | 33-422154 | | Clock (115 Volts, 50 Cycle) | 45-2803 |
| 3 | Loop Antenna | 32-3435 | 23 | Tubular Condenser (.01 mf., 400 V) | 30-4572S | 35 | Cable | 41-3538 |
| 4 | Tuning Condenser | 31-2439 | 24 | Resistor (470,000 ohms, 1/4 watt) | 33-447154 | MISCELLANEOUS PARTS | | |
| 5 | Padding Condenser | 31-6344 | 25 | Resistor (130 ohms, 1/2 watt) | 33-113336 | Cabinet | 10480A | |
| 6 | Tubular Condenser (.1 mf., 200 V.) | 30-4499S | 26 | Tubular Condenser (.04 mf., 400 V.) | 30-4119S | Cardboard Back | 27-9659 | |
| 7 | Condenser and Choke Assy. | 76-1019 | 27 | Output Transformer | | Cable (Power) | L-3199 | |
| 8 | Resistor (22,000 ohms, 1/4 watt) | 33-322154 | | For Speaker 36-1469-1 | 32-8047 | Clip (Coil Mtg.) | 28-5002 | |
| 9 | Mica Condenser (110 mmf.) | 30-1130 | | For Speaker 36-1469-2 | 36-8044 | Dial Scale | 27-5588 | |
| 10 | Oscillator Transformer | 32-3182 | 28 | Speaker | 36-1469 | Dial Pointer | 27-4972 | |
| 11 | Tubular Condenser (.05 mf., 200 V.) | 30-4519S | | Cone Assembly | | Drive Cord | 31-2358 | |
| 12 | 1st I. F. Transformer | 32-3390 | | For Speaker 36-1469-9 | 36-4113 | Spring Drive Cord | 28-8934 | |
| 13 | Resistor (22,000 ohms, 1/4 watt) | 33-322334 | | For Speaker 36-1469-1 | 36-4115 | Knob Assembly | 27-6157-2 | |
| 14 | 2nd I. F. Transformer | 33-3391 | | For Speaker 36-1469-2 | 36-4132 | Sockets (Tubes) | 54-4004 | |
| 15 | Resistor (2.2 meg., 1/4 watt) | 33-522154 | 29 | Field Coil—Part of Speaker No. | 36-1469 | Socket Assembly (Pilot Lamp) | 76-1177 | |
| 16 | Mica Condenser (250 mmf.) | 61-0033 | 30 | Electrolytic Condenser (20-20 mf., 150 V.) | 30-2382 | Tuning Shaft | 31-2370 | |
| 17 | Volume Control (500,000 ohms) | 33-5306 | 31 | Line Resistor | 33-3367 | MOUNTING PARTS | | |
| 18 | Resistor (47,000 ohms, 1/4 watt) | 33-347154 | 32 | Pilot Lamp | 34-2068 | Screw (Clock Mtg.) | W-218 | |
| 19 | Mica Condenser (250 mmf.) | 61-0033 | 33 | Tubular Condenser (.04 mf., 400 V.) | 30-4119S | Screw (Back Mtg.) (8 required) | W-2023 | |
| 20 | Tubular Condenser (.01 mf., 200 V.) | 30-4479S | | | | Screw (Back Mtg.) (3 required) | W-2030 | |