MODEL 40-90

SPECIFICATIONS

Model 40-90 is a four (4) tube battery operated superheterodyne radio covering a tuning frequency range from 540 to 1720 K. C.

Features of design included in this model are :-- low current drain tube; automatic volume control and pentode audio output.

INTERMEDIATE FREQUENCY: 455 K. C.

- PHILCO TUBES USED: One 1A7G converter; one 1N5G, I. F. Amplifier; one 1H5G, 2nd detector, A. V. C. 1st audio; one 1A5G, audio output.
- PHILCO BATTERIES: One type P 60D-11L-Battery Drain "A" 200 M. A. "B" 7.2 M. A.

CABINET DIMENSIONS: 8" high, 12" wide, 61/4" deep.

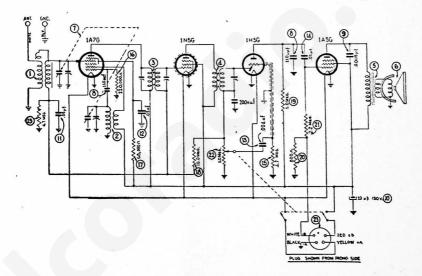
- AERIAL AND GROUND: To obtain maximum operating performance from this model, Philco Farm Radio Aerial Part No. 40-6383 is recommended, in addition to a good ground connection.
- ALIGNING PROCEDURE: The aligning procedure for this model will be found on page (40).

PRODUCTION CHANGES

To improve the padding at 1500 K. C. of receivers with oscilator transformer (2) Part No. 32-3184 identified with red paint on a red lead, the following adjustments shoud be made:

1. Bend the oscillator padding condenser on the tuning condenser back after removing the screw and mica.

2. Set the top of the pointer even with the bottom of the 1500 K. C. division line with set tuned to 1500 K. C.



REPLACEMENT PARTS

| DESCRIPTION | PART No. | SCHE. No. | DESCRIPTION | PART No. | SCHE. No. | DESCRIPTION | PART No. |
|---|---|--------------|--|------------------------|--------------|---|-------------|
| Transformer 32-8183 Transformer 33-8184 F. Transformer 32-8180 F. Transformer 32-8181 Transformer 32-8181 Transformer 32-8181 State 38-8061 State 36-1476 | | 15 16 | Tubular Condenser (.01 mf.) Resistor (4.7 meg., 1/3 watt) Resistor (\$20,000 ohms, 1/3 watt) | 33-547244 33-433244 | Be Ba | MISCELLANEOUS PARTS Bezel Window | |
| | | | Resistor (68,000 ohms, 1/3 watt) Resistor (10 meg., 1/3 watt) | | | Cabinet | |
| Assembly for Speaker 36-1476-3) | | . 19 20 | Resistor (1 meg., 1/8 watt) Resistor (800 ohms, 1/2 watt) Resistor (2.2 meg., 1/3 watt) | 33-510244 33-180826 | Di | al Pointer al Drive Shaft rive Cord | 318-1142 |
| Condenser | 30-1031 | 22 | Volume Control (1 meg., with D.P.S.T. Switch) | | Ki | dicator Arm Assembly nob Assembly pring (Indicator Arm) | 27-4632 |
| | Condenser (10 mf., 150 v.) 80-2396 ndensor (.05 mf., 200 v.)30-45198 | | Battery Cable | 7 Cable | | Spring (Drive Cord) | |
| Condenser (.05 mf., 200 v.) Condenser (.004 mf., 400 v.) | | | Flag Cam Assembly | 38-9738 | Se | crew (Chassis Mounting) asher ("C" Type-Dr. Sha | W-1921 |

1 Aptenna Oscillator 2 3 First 1. 4 Second L 5 Output 1 Speaker 6 Cone A (fe 7 Tuning C Moulded 8 Moulded £ Electrolyt 10

SCHE.

No.

11 Tubular (

12 Tubular

13 Tubular

41