

SPECIFICATIONS

Model 39-175 is a 4 tube battery operated superheterodyne receiver covering standard broadcast and state police stations. The receiver is equipped with electric push-button tuning in addition to manual tuning, low current battery tubes and extremely sensitive speaker.

The electric push-button tuning contains 8 push buttons for selecting any of 5 stations in the standard broadcast band and one button for dial tuning. The procedure for adjusting and operating the push-buttons will be found in the instructions on page 3.

Code 121 is assembled in a type T cabinet and has the speaker mounted on the chassis. Code 122 is assembled in a console cabinet with the speaker detached from the chassis.

Alignment of the R.F. and I.F. compensating condensers of this model is the same as that given for the Model 39-75 code 121 and 122.

TUNING RANGE: 530 to 1720 K.C.

INTERMEDIATE FREQUENCY: 470 K.C.

PHILCO TUBES: One 1A7G, First Detector and Oscillator; one 1N5G, I.F. Amplifier; one 1H5G, Second Detector; First Audio and Automatic Volume Control, and one 1C6G Pentode Output.

BATTERIES REQUIRED: One (1) Philco "A" Pack, Part No. 41-8014; one (1) Philco "B" Pack, Part No. 41-8015.

BATTERY DRAIN:
 "A"- (250 M.A.) "B"- (8½ M.A.)

AERIAL AND GROUND: In order to obtain the highest amount of sensitivity from these receivers the Philco Para Radio Aerial, Part No. 40-6383, should be used. This aerial is accurately designed to match the tuned antenna circuit in the receiver so that maximum performance will be obtained.

A good ground connection to the nearest water pipe or any other good ground source is also required.

REPLACEMENT PARTS

| | | | | |
|----|--|-----------|---|---------|
| 2 | Antenna Transformer..... | 32-3169 | Spring (On-Off Indicator)..... | 28-8927 |
| 3 | Tubular Condenser (.05 mfd.)..... | 30-4519 | Snap Fastener (On-Off Indicator)..... | 28-4342 |
| 4 | Tuning Condenser Assembly..... | 31-2362 | Speaker (T Cabinet)..... | 36-1442 |
| 5 | Condenser (110 mfd., mica)..... | 30-1031 | (F Cabinet)..... | 36-1447 |
| 6 | Resistor (190,000 ohms, 1 watt)..... | 33-419439 | Socket (6 prong)..... | 27-6086 |
| 7 | Condenser (25 mfd., silver plated mica)..... | 30-1112 | Socket (7-prong)..... | 27-6099 |
| 8 | Oscillator Transformer..... | 32-3083 | Socket (Speaker)..... | 27-6115 |
| 9 | Tubular Cond. (.05 mfd.)..... | 30-4444 | Wire Link (On-Off Indicator)..... | 28-8922 |
| 10 | Resistor (70,000 ohms, 1 watt)..... | 33-370439 | Tab (Manual)..... | 27-5487 |
| 11 | 1st I.F. Transformer Assembly..... | 32-3078 | Tab Kit..... | 40-6408 |
| 12 | 2nd I.F. Transformer Assembly..... | 32-3081 | Shaft Extension (Tuning, Volume)..... | 38-8640 |
| 13 | Resistor (51,000 ohms, 1 watt)..... | 33-351439 | Spring (Shaft Retaining)..... | 28-8915 |
| 14 | Resistor (2.0 megohms, 1 watt)..... | 33-520439 | Bezel (Push Button)..... | 56-1364 |
| 15 | Volume Control..... | 33-5291 | Bezel Assembly (Dial)..... | 40-6364 |
| 16 | Tubular Condenser (.01 mfd.)..... | 30-4572 | Bezel Gasket (Dial)..... | 27-9174 |
| 17 | Condenser (110 mfd., mica)..... | 30-1031 | Bezel Gasket (Push Button)..... | 27-9218 |
| 18 | Tubular Condenser (.01 mfd.)..... | 30-4572 | Cable Battery..... | 41-3429 |
| 19 | Resistor (1.0 megohm, 1 watt)..... | 33-510439 | Dial..... | 27-5420 |
| 20 | Resistor (2.0 megohms, 1 watt)..... | 33-520439 | Drive Drum Assembly..... | 31-2281 |
| 21 | Resistor (2.0 megohms, 1 watt)..... | 33-520439 | Drive Pulley..... | 28-8662 |
| 22 | Resistor (1000 ohms, 1 watt)..... | 33-210439 | Drive Cord (Pointer)..... | 31-2275 |
| 23 | Tubular Condenser (.003 mfd.)..... | 30-4469 | Drive Cord (Cord Drive)..... | 31-2343 |
| 24 | Output Transformer..... | 32-7995 | Knob (Push Button)..... | 27-4814 |
| 25 | Cone & Voice Coil Assemblies | | Knob (Tuning, Volume)..... | 27-4753 |
| | Speaker Part No. 36-1442-3..... | 36-4090 | Pointer..... | 28-5934 |
| | Speaker Part No. 36-1447-3..... | 36-4092 | Shaft (Tuning)..... | 56-6032 |
| 26 | Electrolytic Condenser (3 mfd.)..... | 30-2346 | Spring (Drive Cord Tuning Condenser)..... | 28-8751 |
| 27 | Push-button Switch..... | 42-1484 | Spring (Drive Cord Pointer)..... | 28-8946 |
| 28 | Padder Strip..... | 31-6292 | | |

