

INSTRUCTIONS FOR  
INSTALLING AND OPERATING

**PHILCO 41-280**

A MUSICAL INSTRUMENT OF QUALITY



FOR STANDARD BROADCAST AND OVER-SEAS RECEPTION

WITH ELECTRIC PUSH-BUTTON TUNING

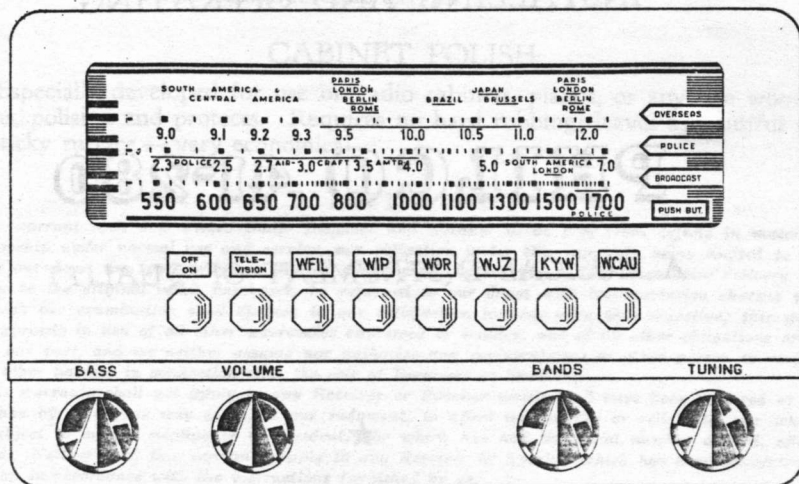
# INSTRUCTIONS FOR PHILCO 41-280

Philco Model 41-280 is an eight-tube superheterodyne radio for operation on alternating current (a.c.) supply.

The voltage and frequency of this radio are marked on the name label inside of the cabinet. Make sure that these correspond with the power furnished your home. If in doubt, check with your local power company.

This radio is designed to operate over three frequency ranges as follows: 540 to 1720 kilocycles (kc.) for broadcast reception; 2.3 to 7 megacycles (mc.) for reception of Police, Amateur, and Aircraft Stations; and a band spread range of 9 to 12 megacycles for reception of American and Overseas short-wave stations.

The scale is calibrated in kilocycles for the broadcast range, and in megacycles for the short-wave ranges. Broadcast stations are listed in kilocycles, and short-wave stations in megacycles, in most station lists.



TONE CONTROL
VOLUME CONTROL
BAND SELECTOR
TUNING CONTROL

## INSTALLATION

After unpacking the radio, make sure all the tubes are pressed down firmly. The name label inside the cabinet will show the relative location of the tubes. The Loktal type tubes may be removed for replacement by rocking them gently in their sockets until the center locking pin is released.

Neither outside aerial nor ground is necessary with this model. The new Philco Built-in American and Overseas Antenna System has been employed because of its special noise-reducing properties and superior short-wave performance — all with plug-in convenience.

For maximum performance in steel reinforced buildings and other shielded locations, the Philco 1941 Outdoor Aerial is recommended. This Philco 1941 Outdoor Aerial can be conveniently connected to the radio by inserting the plug attached to the transformer unit into the socket provided at the rear of the chassis.

This aerial, part number 45-2817, can be obtained from your Philco dealer. No ground connection is required with either type of installation.

## OPERATION

To operate the radio, push the button marked "Off-On" (extreme left-hand push button). This supplies power to the radio and illuminates the dial. The radio is turned off by again pushing the "Off-On" button.

For tuning in the Broadcast Band, turn the "Band Selector" until the arrow labeled "Broadcast", on the right-hand end of the dial, is illuminated. To tune in a station, turn the "Volume Control" to about one-half its total range and select the station by rotating the "Tuning" knob.

For best reception, tune in the desired station with the volume turned low. This enables you to get the exact point at which the station comes in best. Then adjust the volume to the desired level with the volume control.

The "Tone Control" is continuously variable. Rotate the control clockwise to get the desired tone. When a reduction of background noise is desired on distant or short-wave stations, rotate the control in the clockwise direction.

For tuning in the Police and Overseas bands, rotate the "Band Selector" until the arrow opposite the desired band is illuminated. Then proceed the same as tuning on the Broadcast Band. The band spread enables you to tune short-wave more easily.

Police Stations are received from 1610 to 1710 kilocycles in the Broadcast Band, and from 2.3 to 2.5 megacycles in the Police Band. Amateur and Aircraft Stations are also received on the latter band at the several points marked on the dial.

Short-wave stations are received on the various sections of the dial according to the following general time schedule:

Morning — 11.7-12.0 mc.

Afternoon — 9.5-10.8 mc.; 11.7-12.0 mc.

Night — 5.7-6.8 mc.; 9.5-10.8 mc.

Turning the loop inside the cabinet will cause a variation in the volume of reception on weak stations. This same directional property will also cause an additional reduction in noise interference in many cases. For maximum performance turn the loop until best reception is obtained. This position may vary for different stations.

### *Electric Push-Button Tuning*

When your set is installed, your Philco dealer will adjust the radio to your favorite broadcast stations and will insert their call letters above the station buttons.

To tune the set with the "Push Buttons" turn the "Band Selector" knob to the extreme counterclockwise position. The arrow labeled "Push Button" will now be illuminated and the desired station can be obtained by pushing the button under its call letters. Your station will be tuned instantly. The volume and tone of the programs may be controlled with the "Volume" and "Tone" controls.

This set has been designed to receive the sound of a television program tuned in by the special type Philco Television Set designed for this purpose. If at any time it is desired to use this "Television" sound, your Philco Dealer will make the necessary adjustments on the push button labeled "Television". This button may also be used for playing of phonograph records from a Philco Wireless Record Player.

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If at any time it is desired to substitute any station received well in your locality for a station appearing on the call letter panel, consult your Philco Dealer and have him make the necessary adjustments.

### SERVICE



Look for this Emblem in your Neighborhood

For the convenience of all radio owners, Philco has developed a plan for prompt, efficient radio service in every locality. This plan is known as "Radio Manufacturers Service". There is a member in your neighborhood — his shop or store can be identified by the emblem shown here. To make sure of guaranteed work, genuine Philco tubes and parts, and standard prices — call a member of "Radio Manufacturers Service".

### CABINET POLISH

Especially developed for use on radio cabinets, pianos, or any fine woodwork. Cleans, polishes and protects. Requires no hard rubbing; leaves a beautiful glossy, non-sticky surface — very economical.

### WARRANTY

*We warrant each new Philco Radio Receiver and Speaker to be free from defects in material and workmanship under normal use and service, our obligation under this warranty being limited to making good at our depot any part or parts thereof which shall, within ninety (90) days after delivery of such Receiver to the original retail purchaser, be returned to our depot with transportation charges prepaid, and which our examination shall disclose to our satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied, and of all other obligations or liabilities on our part, and we neither assume nor authorize any representative or other person to assume for us any other liability in connection with the sale of Receivers or Speakers.*

*This warranty shall not apply to any Receiver or Speaker which shall have been repaired or altered other than by us in any way so as, in our judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor which has had the serial number altered, effaced or removed. Neither shall this warranty apply to any Receiver or Speaker which has been connected otherwise than in accordance with the instructions furnished by us.*