TREBLE TONE CONTROL

This control is used for controlling the treble (high-tone) response of the radio. Turn the knob to the right to increase, and to the left to decrease, the treble response.

An increase in treble response is recommended for voice and for music when high-note reproduction is desired. A decrease in treble response tends to reduce static. The best relative positions of the two tone controls for a particular program should be found by trial.

PUSH-BUTTON OFF SWITCH

To turn off the radio, push this button.

DIRECTIONAL AERIAL EFFECT

If the radio is operated with the built-in aerial, with no extra aerial attached, turning the cabinet to different positions on the table will cause variations in volume, especially when the radio is tuned to a weak or distant station. This directional effect is a characteristic of all built-in aerials of the "loop" type. In many instances this characteristic can be used to advantage in reducing noise or station interference. For the best reception, place the cabinet in a position which reduces the volume of the interference and increases the volume of the desired station; the best position for the cabinet varies for different stations. When an extra aerial is used, the position of the cabinet is not important.

YOUR GUARANTY FROM PHILCO

Your new Philco is a high quality instrument. It has been built with care and skill and is delivered to you with a promise of years of pleasure and satisfaction.

To fulfill that promise, first of all, your Philco is guaranteed under the terms of the Standard Warranty below. But beyond this, Philco maintains an extensive factory-trained service organization of its distributors, dealers and servicemen, which is constantly available to you as a Philco owner. It is an added value which comes to you with every Philco product.

In accordance with this policy, it is your Philco dealer's desire and responsibility to render any service required under and during the period of the warranty. After the expiration of the warranty, he will be equally helpful in securing necessary repairs and adjustments for you, either in his own shop at reasonable cost or by referring you to a nearby member of "Philco Service," a world-wide association of appliance servicemen.

PHILCO SERVICE members are thoroughly trained by Philco factory engineers and service technicians. They offer expert, reliable service at standard, reasonable labor charges; they guarantee their work, and they use genuine Philco replacement parts and tubes. Members can be identified by the "Philco Service" emblem.

Thus, the entire engineering and service resources of Philco seek to insure your long-continued satisfaction.

STANDARD 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."

PHILCO CORPORATION

PHILADELPHIA

Part No. 39-8508

Printed in U. S. A.

PHILCO RADIO
MODEL 48-482

Famous for Quality the World Over

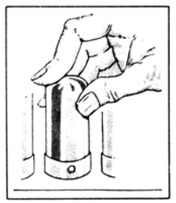
INSTRUCTIONS
for
PHILCO RADIO MODEL 48-482

This Philco radio is a nine-tube superheterodyne designed for operation from a power source of *115 volts, alternating current (A. C.).* Make sure that the power-line frequency (cycles) in your locality is the same as that specified on the tube label attached to the cabinet. The radio has three tuning ranges, as follows:

Broadcast: 540 to 1720 kilocycles (kc.).
Short Wave: 9.3 to 15.5 megacycles (mc.).
Frequency Modulation (F.M.): 88.0 to 108.0 megacycles (mc.).

It is equipped with ten push-buttons.

INSTALLATION

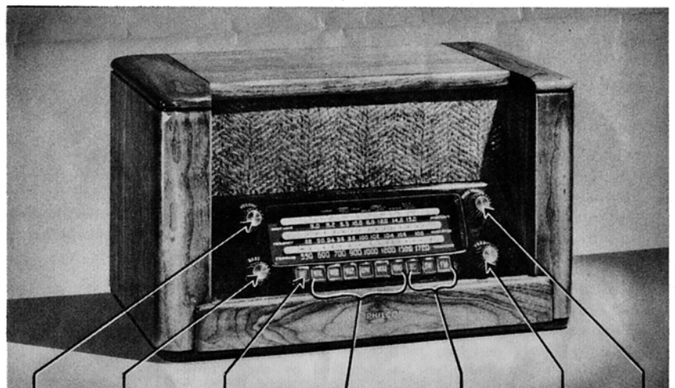


AFTER UNPACKING the radio, remove all packing material, tags, cardboard, etc., from the chassis and cabinet. Follow carefully any supplementary instructions which may be printed on the tags. Make sure that all tubes are pushed down firmly in their correct sockets, as shown by the tube label on the cabinet.

A BUILT-IN AERIAL system is provided for standard-broadcast, short-wave, and frequency-modulation (FM) reception. In locations where increased reception is desired, the use of the Philco Dipole Outdoor Aerial, Part No. 45-1462, together with the Philco Aerial Coupler, Part No. 76-2353, is recommended. If the aerial is to be used on the FM range only, the aerial coupler is not required. In certain locations the Philco Aerial Mast Kit, Part No. 45-1465, and the Philco Reflector Kit, Part No. 45-1464, may also be used to provide the very best installation. Consult your Philco dealer or serviceman for the correct installation in your particular location. If an external aerial is not used, place the radio in a location which is clear of large metal objects. If it is placed too near such objects, radio reception may be weakened. A ground connection is unnecessary at any time.

CONNECT THE POWER-CORD PLUG to an outlet of the correct voltage and frequency, as indicated above. If there is any doubt as to the voltage and frequency in your locality, consult the local power company.

OPERATION



VOLUME CONTROL | BASS TONE CONTROL | PUSH-BUTTON OFF SWITCH | PUSH-BUTTON STATION SELECTORS | PUSH-BUTTON BAND SELECTORS | TREBLE TONE CONTROL | TUNING CONTROL

PUSH-BUTTON BAND SELECTORS

Three push-buttons are provided for selecting either the standard broadcast, short-wave, or frequency-modulation tuning band. Power is supplied to the radio when any one of these push-buttons is depressed. Push the button for the particular band desired, and allow a short time for the tubes to heat.

VOLUME CONTROL

This control increases or decreases the volume of the radio, clockwise rotation increasing the volume. Turn the volume control to a point about halfway through its range.

TUNING CONTROL

This control selects the various stations within the standard broadcast, short-wave, and frequency-modulation tuning bands.

A. STANDARD BROADCAST AND SHORT-WAVE TUNING

With the volume-control knob turned about halfway through its range, and the correct band-selector push-button depressed, select the desired station by rotating the tuning-control knob. On the short wave range, because of the sharpness of tuning, it is necessary to tune very slowly; otherwise, it is possible to pass a station without noticing it. Reduce the volume by turning the volume-control knob to the left until the station can just be heard, and readjust the tuning-control knob carefully for maximum volume. After the exact setting of the tuning control has been made, adjust the volume to the desired level with the volume-control knob. *Do not control the volume of the radio by changing the setting of the tuning-control knob.*

IMPORTANT

When tuning a radio with the volume control turned too high, it is difficult to locate the point where the station is exactly tuned in. If the station is not tuned in properly, one or more of the following conditions may be noticed:

1. Distortion (poor tone quality).
2. Interference from other stations operating on an adjacent frequency channel.
3. An increase in noise (static) either from atmospheric conditions or from some local electrical device.

B. FREQUENCY-MODULATION TUNING

With the correct band-selector push-button depressed, and the volume-control knob turned about halfway through its range, select the desired station by rotating the tuning-control knob. Reduce the volume until the station can just be heard. At this reduced setting, readjust the tuning-control knob until background noise is reduced to a minimum and tone quality is at its best. After the exact setting of the tuning-control knob has been made, readjust the volume-control knob until the desired volume is obtained.

Because of the high frequencies used in the transmission of frequency-modulation programs, the distance covered by the transmitter is considerably less than that of a standard broadcast or short-wave transmitter. Certain conditions affecting frequency-modulation reception, such as the shielding effect of mountains, buildings, etc., and the type of receiving aerial used, limit the distance for satisfactory reception on this band.

PUSH-BUTTON STATION SELECTORS

Six push-buttons are provided for selecting any one of six standard broadcast stations. Your Philco dealer or serviceman will set the push-buttons to your favorite stations. If push-button tuning is desired, push the button bearing the call letters of the desired station.

BASS TONE CONTROL

This control is used for controlling the bass (low-tone) response of the radio. Turn the knob to the left to increase, and to the right to decrease, the bass response. An increase in bass response adds mellowness to musical programs.