

TP-3631

# PHILCO RADIO-PHONOGRAPH MODEL 48-1264



*Famous for Quality the World Over*

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# INSTRUCTIONS

for

## PHILCO RADIO-PHONOGRAPH

### MODEL 48-1264

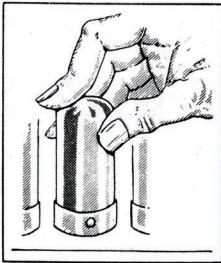
This Philco radio-phonograph combination is designed to operate from a power source of *115 volts, alternating current (a.c.)*. Make sure that the power-line frequency (cycles) in your locality is the same as that specified on the tube label attached to the cabinet. The radio is a nine-tube superheterodyne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

Broadcast: 540 to 1720 kilocycles (kc.)

Frequency Modulation (FM): 88.0 to 108.0 megacycles (mc.)

The phonograph employs a fully automatic record changer, which is designed to handle either 10-inch or 12-inch records.

## INSTALLATION

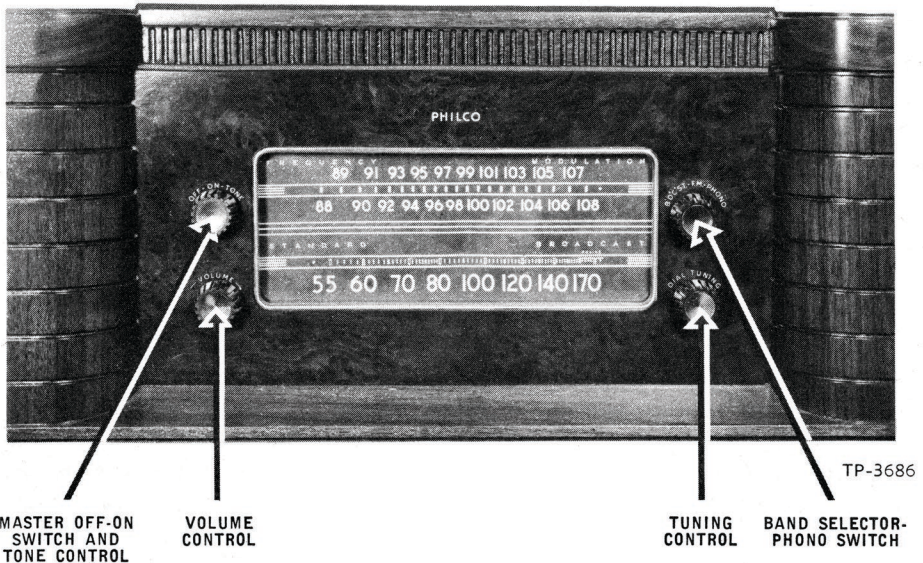


*AFTER UNPACKING* the radio-phonograph, remove all packing material, cardboard, etc., from the chassis and cabinet. Follow carefully any supplementary instructions which may be printed on the tags. Make sure that all tubes are pushed down firmly in the correct sockets, as shown on the tube label attached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

A *BUILT-IN AERIAL* system is provided for standard-broadcast and frequency-modulation (FM) reception. In locations where greater sensitivity is required, 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-phonograph in a location which is clear of large metal objects. If it is placed too near such objects, radio reception may be weak.

*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.

# RADIO OPERATION



## MASTER OFF-ON SWITCH AND TONE CONTROL

This control turns the radio on and off; it also makes power available to the phonograph when the band selector-phonograph switch is turned to PHONO. Further turning provides a range of tones, in both radio and phonograph operation, from treble to bass. Turn the knob to the right until a click is heard and the tuning scale is illuminated, and allow a short time for the tubes to heat. In this position the treble (high) tones are emphasized. When turned to the middle of its range, both the treble and bass (low) tones are emphasized. When turned to the right, the bass tones are emphasized. The treble position is generally recommended for voice, and for music when high-note emphasis is desired; the middle position provides a balance between high and low notes; the bass position adds mellowness to some types of musical programs and tends to reduce static.

## BAND SELECTOR-PHONO SWITCH

This three-position control selects either standard-broadcast reception, frequency-modulation reception, or phonograph operation. Turn the control to the tuning range desired.

## VOLUME CONTROL

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

## TUNING CONTROL

This control selects the various stations within the standard-broadcast and frequency-modulation tuning ranges.

### *A. Standard-Broadcast Tuning*

With the band-selector knob properly set, select the desired station by rotating the tuning-control knob. 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. 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.*

### *B. Frequency-Modulation Tuning*

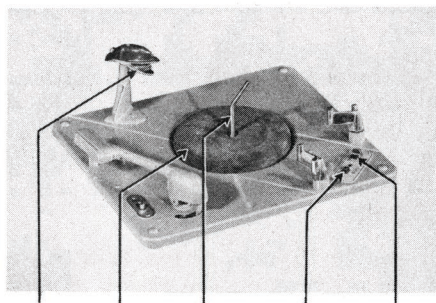
With the volume-control knob turned about halfway through its range, and the band-selector knob properly set, select the desired station by rotating the tuning-control knob. Reduce the volume until the station can just be heard; then readjust the tuning-control knob carefully until background noise is reduced to a minimum and best tone quality is obtained. After the exact setting of the tuning-control knob has been made, readjust the volume-control knob for the desired volume.

Because of the high frequencies used in the transmission of frequency-modulation programs, the distance covered by the transmitter is considerably less than that by a standard-broadcast transmitter. Factors such as the shielding effect of mountains, buildings, etc. greatly limit the distance for satisfactory reception. The use of the Philco Dipole Outdoor Aerial, Part No. 45-1462, will considerably improve the reception of frequency-modulation stations.

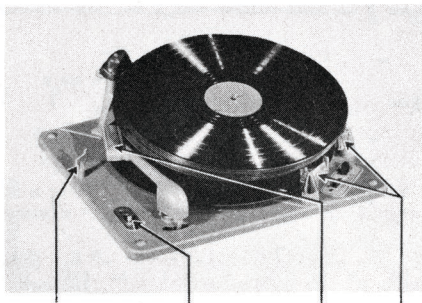
## DIRECTIONAL AERIAL EFFECT

If the radio is operated with the built-in aerial, with no external aerial attached, turning the built-in aerial to different positions in the cabinet 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 aerial in a position which reduces the volume of the interference and increases the volume of the desired station; the best position for the aerial varies for different stations.

# PHONOGRAPH OPERATION



RECORD SHELF    TURN-TABLE    SPINDLE    OFF-ON SWITCH    REJECT SWITCH



TONE ARM REST    AUTOMATIC-MANUAL SELECTOR    TONE ARM    RECORD SUPPORTS

## CONTROLS

In addition to the master off-on switch and tone control, the band selector-phono switch, and the volume control, which are described under "RADIO OPERATION," the following controls, located on the changer, are also used in the operation of the phonograph:

### *OFF-ON SWITCH*

With this control set to the OFF position, the phonograph mechanism is inoperative. With the control set to the ON position, the phonograph mechanism is operative. Note: For phonograph operation the master control must be turned to ON, and the band selector-phono switch to PHONO.

### *AUTOMATIC-MANUAL SELECTOR*

With this control set to the AUT. position, the automatic changer mechanism is operative. With the control set to the MAN. position, the automatic changer is inoperative, and records must be handled manually. Note: For either automatic or manual operation of the phonograph, the master off-on switch on the front and the off-on switch on the changer must be set to the ON position.

### *REJECT SWITCH*

When this control is pushed to the left, with the automatic-manual selector in the AUT. position, automatic operation of the phonograph is started, or an unwanted record is rejected.

## AUTOMATIC OPERATING PROCEDURE

1. Turn the master control to the right until a click is heard and the tuning scale is illuminated; turn the band selector-phono switch to the PHONO position.

2. Open the phonograph compartment by pulling outward on the front door of the cabinet. Note: The tone arm should be in position on the tone-arm rest. If it is not on the rest, set the off-on switch to the ON position and allow the changer to complete its cycle before placing it on the rest.

3. Set the two record supports and the record shelf for the particular size of records to be played. For 10-inch records the long arms of the supports should extend toward the spindle, and the shelf should be turned to its extreme clockwise position. For 12-inch records the short arms of the supports should extend toward the spindle, and the shelf should be turned to its extreme counterclockwise position.

4. Carefully place a maximum of twelve 10-inch, or ten 12-inch, records on the spindle so that the bottom record rests on the record supports and the shelf.

5. Set the automatic-manual selector to the AUT. position.

6. Set the off-on switch to the ON position.

7. Push the reject switch to the left, and release. The cycle of operation will start and the bottom record will drop onto the turntable.

8. Close the phonograph compartment and adjust the volume control and tone control for the desired volume and tonal quality.

9. To reject a record at any time during the playing of the record, push the reject switch to the left, and release.

10. WHEN IT IS DESIRED TO STOP THE CHANGER, ALLOW THE TONE ARM TO RESET ITSELF AT THE OUTSIDE GROOVE OF THE RECORD. CAREFULLY LIFT THE TONE ARM TO ITS REST, AND SET THE OFF-ON SWITCH TO THE "OFF" POSITION.

11. Turn the master control to its OFF position.

12. When the phonograph is not in use, remove the records supported by the record supports and the record shelf.

## CAUTIONS

1. The changer is equipped with safety features so that the tone arm can be moved, or the changer stopped, during the change cycle without damage to the tone arm or any adjustments. However, it is good practice to avoid stopping the changer or touching the tone arm during the change cycle.

2. Do not overload the changer. The maximum load is twelve 10-inch, or ten 12-inch records.

3. Do not leave records on the record supports, or the records may become warped.

4. Do not change the position of the record shelf while the changer is in the middle of a change cycle.

## MANUAL OPERATING PROCEDURE

1. Turn the master control to the right until a click is heard and the tuning scale is illuminated; turn the band selector-phono switch to the PHONO position.
2. Open the phonograph compartment by pulling outward on the front door of the cabinet; turn the two record supports and the record shelf to the 12-inch setting.
3. Set the automatic-manual selector to the MAN. position.
4. Carefully place the record to be played on the turntable.
5. Set the off-on switch to the ON position.
6. Carefully place the tone arm onto the record so that the needle rests in the starting groove, and adjust the volume control and tone control for the desired volume and tonal quality.
7. After the record has been played, carefully lift the tone arm to its rest. Or, if desired, push the reject switch to the left, and release; the tone arm will automatically reset itself onto the tone-arm rest. This action is a special feature of the phonograph mechanism. If no other records are to be played, set the off-on switch to the OFF position.
8. Turn the master control to its OFF position.

## TONE ARM

### REPLACING THE SPECIAL PHILCO NEEDLE

To replace the pickup needle, hold the needle firmly and loosen the round knurled nut on the end of the needle chuck with the fingers or a small pair of pliers.

Remove the old needle and insert the new one, an exact duplicate only, **AS FAR INTO THE NEEDLE HOLE AS IT WILL GO.** Hold the needle firmly in the proper position and tighten the round knurled nut.

The tone arm in this phonograph is equipped with a high-quality crystal pickup. It rests lightly on the record to provide long record life. The precious-metal needle used in the pickup should last through the playing of several thousand records.

The components of this radio-phonograph were designed to give the best performance with genuine Philco parts. This is important; if other replacement parts are used, the design balance may be badly upset, resulting in poor performance. This is especially true in the replacement of needles and crystals.

## YOUR GUARANTY FROM PHILCO

Your new Philco is a high quality instrument. It has been built with care and skill and enters your home 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 set to be free from defects in material and workmanship under normal use and service, our obligation under this warranty being limited to making good any part or parts thereof which shall, within ninety (90) days after delivery of such set to the original retail purchaser, be returned to us through our distributor or dealer 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 our products.*

*This warranty shall not apply to any set which shall have been repaired or altered 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 set which has been connected otherwise than in accordance with the instructions furnished by us."*

## PHILCO CORPORATION

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