

INSTRUCTIONS FOR  
INSTALLING AND OPERATING

**PHILCO 42-1008**

*A MUSICAL INSTRUMENT OF QUALITY*



RADIO · PHONOGRAPH COMBINATION  
FOR BROADCAST AND SHORT WAVE RECEPTION  
WITH ELECTRIC PUSH · BUTTON TUNING

Philco Model 42-1008 is a radio-phonograph combination with a Philco Automatic Record Changer and a superheterodyne radio, and is for operation on alternating current (a.c.) supply.

The line voltage and frequency required to operate this instrument are indicated on the name label inside the cabinet. Make sure that these correspond with the power supplied to your home.

This radio is designed to operate over a frequency range from 540 to 1720 kilocycles (kc.) for broadcast and police reception and a band spread range from 9.0 to 15.5 megacycles (mc.) in which short-wave stations may be received.

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

The Philco Automatic Record Changer is mounted on a shelf fastened inside the front section of the cabinet. This section may be pulled forward to make the changer accessible. It should be pushed back while playing. Detailed instructions for the operation of the changer will be found under the section entitled "Changer Operation".

This combination is equipped with the Philco "Photo-Electric Tone Arm" — a newly developed pickup using entirely new electrical and mechanical principles. Among its many advantages are improved tone quality, increased record life and a permanent retractable needle. This retractable needle is so designed that the tone arm when accidentally dropped damages neither the needle nor your record. The precious jewel point will play more than 15,000 12" records.

Provisions have been made whereby the Philco "Home Recording Kit Model HR-2", Part No. 45-2932, for making records at home may be readily installed in this combination. Should this addition be desired at any time, consult your Philco Dealer who has this unit and complete instructions for its installation and operation.

## INSTALLATION

After unpacking this instrument, make sure all the tubes are pressed down firmly. A label inside of the cabinet shows the relative location of the tubes when replacement becomes necessary. The Loktal type tubes may be removed for replacement by rocking them gently in their sockets until the center locking pin is released.

Loosen the four chassis mounting screws so that the chassis floats freely on its rubber mounting.

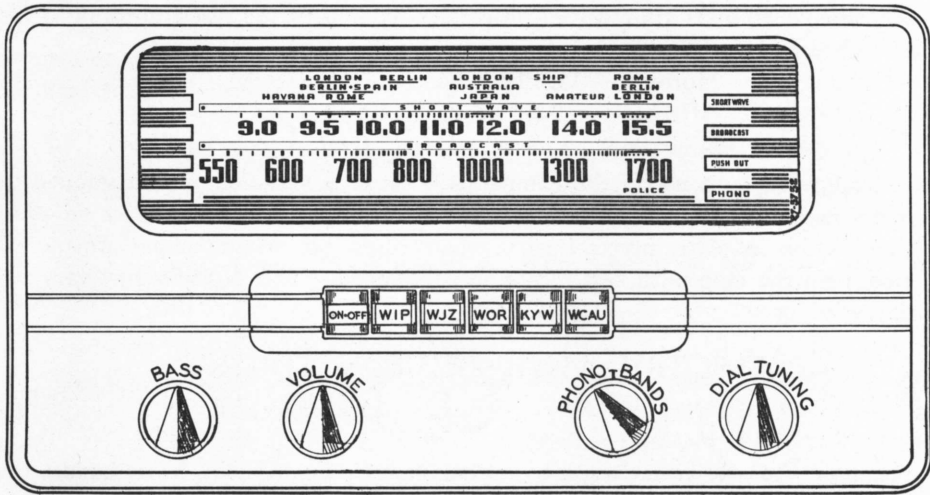
Remove all cardboard packing material, packing tags, etc., from around the chassis, tone arm and cabinet.

Loosen four bolts, one at each corner of changer base plates, so that the record changer floats freely on its springs. Do not remove the mounting bolts.

Neither outside aerial nor ground is necessary with this model. The improved Philco Built-in Broadcast and Short-wave Aerial System has been employed, because of its special noise-reducing properties and superior short-wave performance.

For maximum performance in steel reinforced buildings and other shielded locations, the Philco Outdoor Aerial is recommended. This Philco 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 No. 45-2817, can be obtained from your Philco Dealer. No ground connection is required with either type of installation.



**Controls**

Observe the above illustration carefully for location of the controls.

**Band Selector**

There are four positions on the Band Selector. These positions — “Phonograph”, “Push Button”, “Broadcast” and “Short-wave” — are indicated by a lighted arrow on the right-hand side of the dial. The extreme counter-clockwise or left position is the “Phonograph” position.

**RADIO OPERATION**

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

Adjust the Volume Control to approximately half rotation.

For Standard Broadcast Reception, turn the Band Selector until arrow labeled “Broadcast” (on right-hand side of dial), is lighted. Stations in the Broadcast Band and some police transmissions, may be tuned in by turning the dial tuning knob. Police transmissions in this band are made on frequencies from 1610 to 1710 kilocycles (kc.).

For best tone, tune 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 Bass Control may now be set to the desired tone quality by operating it in the extreme counter-clockwise position which gives normal reception, or by turning towards the "Bass" position, which increases the low tone response with rotation of the control knob.

Short-wave transmissions may be received on the band spread range by rotating the Selector Switch until the arrow labeled "Short-wave" is lighted. The band spread enables you to tune short-wave more easily.

Short-wave stations are received on certain sections of the dial according to the general schedule below:

- Morning — 11.7-15.5 mc.
- Afternoon — 9.5-10.8 mc.; 11.7-12.0 mc.
- Night — 9.5-10.8 mc.; 11.7-12.0 mc.

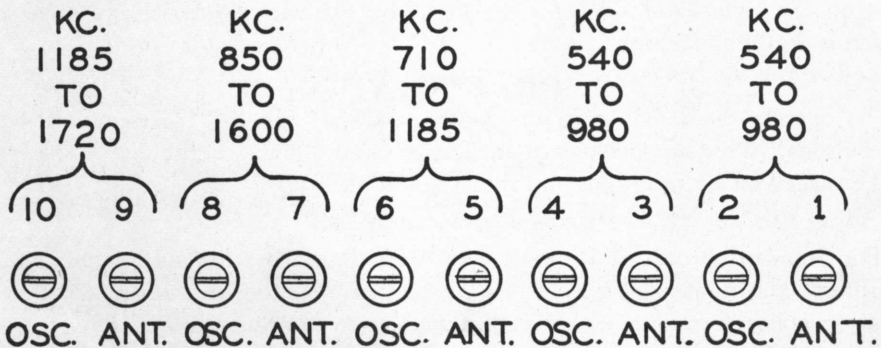
Turning the loop inside the cabinet will cause a variation in the volume of reception on weak stations. This same directional property will also cause an additional reduction in noise interference in many cases. If maximum performance is required, turn the loop until best reception is obtained. This 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 place their call letters above the station buttons.

To tune the set with the push buttons, rotate the Selector Switch until the arrow labeled "Push Buttons" is lighted. Then push the button that is under the call letters of the desired station. Your station will be received instantly. The volume and tone of the program may be controlled by the volume and bass controls.

The frequency coverages of the buttons, together with their respective antenna and oscillator adjustments, are shown in the illustration below. This illustration shows the padder location viewed from rear of cabinet.



This set has been designed to receive the sound of television programs when operated in conjunction with 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".

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.

### PHONOGRAPH OPERATION

This Philco Automatic Record Changer will multiply many-fold your enjoyment of recorded music. These instructions are written for the purpose of enabling you to get all the benefits this changer affords. With proper care, it should give many years of satisfactory service. With it, you can enjoy from one record to 45 minutes of your favorite music without interruption, and without attention to the instrument.

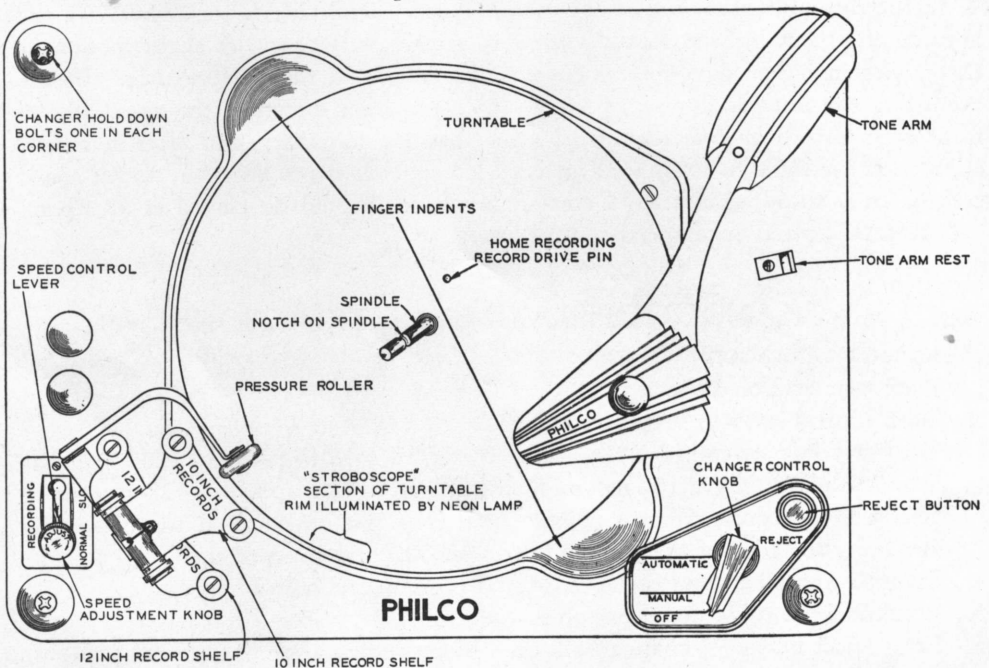
Pull the front section of the cabinet forward to make the changer accessible. This section should be pushed back again when operating the phonograph.

The Phono-Bands must be be in the "Phono" position. This is the counter-clock-wise position.

The bass and volume controls used in Radio Operation also may be used in Phonograph Operation.

### The Philco Photo-Electric Tone Arm

This tone arm is a new and improved phonograph pickup. It rests very lightly on your records, thus increasing their life. The jewel needle is practically indestructible. An electric bulb is enclosed in the head of the tone arm and must be lighted for operation of the phonograph. This light is automatically turned on when the selector switch is in the "Phono" position.



## THE PHILCO AUTOMATIC RECORD CHANGER OPERATION

The record changer in this phonograph is designed to play ten 12" or twelve 10" records. However, at each loading all records must be the same size.

This record changer is equipped with a two-speed turntable. With the speed control lever in the "NORMAL" position the turntable speed will be 78 revolutions per minute (r.p.m.), and with the speed control lever in the "SLOW" position the turntable speed will be 39 r.p.m. This slow speed has been added so that you may double the playing time of your Philco Home Recording Discs. It is not essential, however, that home recordings be made at 39 r.p.m., "SLOW". It may be desirable to record at 78 r.p.m., "NORMAL", if you wish to give the home recording discs to some one who does not have one of the new Philco Radio-Phonographs. All standard records should be played at the "NORMAL" speed of 78 r.p.m.

### To Change Speeds

Lift the speed adjustment knob and move the lever to the desired speed position. This operation is more easily accomplished if the motor is running.

### To Adjust Speed

In order that the records be played at the speed at which they were recorded, Philco has built into this new record changer a speed indicator, in the form of a stroboscope and a neon lamp. The stroboscope is a series of vertical lines around the outer edge of the turntable. The neon lamp illuminates a small section of the turntable rim slightly to the left of the center and at the front of the turntable. With the turntable revolving at the correct speed ("NORMAL" or "SLOW") the lines on the turntable rim should appear to remain stationary. A slight motion of these lines in either direction in no way detracts from the performance. In the event that the lines do appear to move rapidly in either direction, the speed adjustment knob should be rotated until the lines become stationary, and after it is once adjusted it need not be readjusted for each loading. It is not necessary to lift speed control knob to adjust speed. Commercial records should be played at 78 r.p.m., "NORMAL", position of speed control lever.

## CHANGER OPERATING INSTRUCTIONS

### Automatic Operation

1. Place tone arm on its rest.
2. Turn control knob to "AUTOMATIC".
3. If 12" records are to be played, have 12" record shelf in place; or if 10" records are to be played, have 10" record shelf in place. Place up to ten 12" records or twelve 10" records over the spindle until they rest on notch at top of spindle and bring the edge of the records to rest on the correct record shelf.
4. Set motor speed control to "NORMAL" position and adjust speed.
5. Place pressure roller down on top record.
6. Press reject button — changer will then be set in operation.

7. If the record being played is not wanted, merely press the reject button and the next record will be placed in playing position.
8. The last record will be repeated until changer is turned off.

**DO NOT LEAVE RECORDS LOADED ON TOP OF SPINDLE WHEN CHANGER IS NOT BEING USED, AS RECORDS WILL WARP.**

### Unloading Record Changer

1. Turn control knob to "OFF".
2. Place tone arm on its rest.
3. Move pressure roller to upright position.
4. Move 10" and 12" record shelves out of the way by swinging them over top of the post toward front of cabinet.
5. Lift records off by using finger indents.

### Manual Operation

1. Select proper motor speed. (For commercial records use 78 r.p.m., "NORMAL". The only time the "SLOW" position will be used will be when it is desired to make recordings at 39 r.p.m., "SLOW", or play back home-recording records made at 39 r.p.m., "SLOW".
2. Place tone arm on its rest.
3. Turn control knob to "MANUAL" position.
4. Move pressure roller to upright position. Move 10" and 12" record shelves out of the way by swinging them over top of the post toward front of cabinet.
5. Place desired record on spindle. Record will not go all the way down to turntable but will stop at notch on spindle. When record stops push record toward rear of tone arm and record will then go down on turntable.
6. In "MANUAL" position, tone arm must be placed on record or taken off record by hand, as neither changer, trip, nor reject will function.

### SERVICE

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".



*Look for this  
Emblem in your  
Neighborhood*

### 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.