

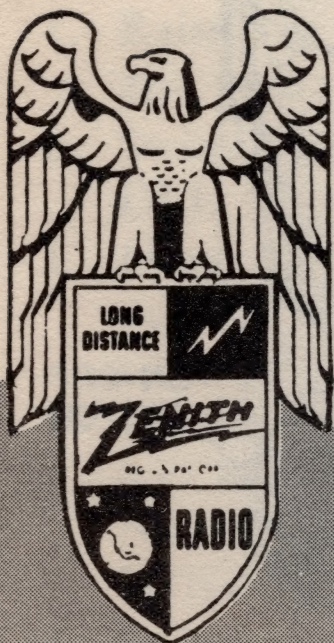
Operating Guide

TO HELP YOU

ENJOY YOUR NEW

Zenith

RADIO PHONOGRAPH



14010

MODEL S-13875

AUTOMATIC RECORD CHANGER

Operating The Phonograph

This Zenith radio-phonograph gives you a new conception in record playing enjoyment. It will play fourteen 10-inch or twelve 12-inch or twelve 10- and 12-inch records intermixed, at one loading. It features the revolutionary Zenith Cobra Tone Arm which has been proved so superior in record reproducing quality that hundreds of them have been purchased by radio stations for reproducing records. It has an automatic shut-off feature which operates after the last record has been played. The changer has a minimum of moving parts. Electric controls operate the record changing mechanism lightning fast, with a change cycle of less than $3\frac{1}{2}$ seconds. The Cobra Tone Arm has a "floating filament" which rests in the record grooves with so little pressure that records sound like new as much as ten times longer. The Cobra reproduces records with rich, true-fidelity tone quality, and it is not affected by humidity or temperature changes.

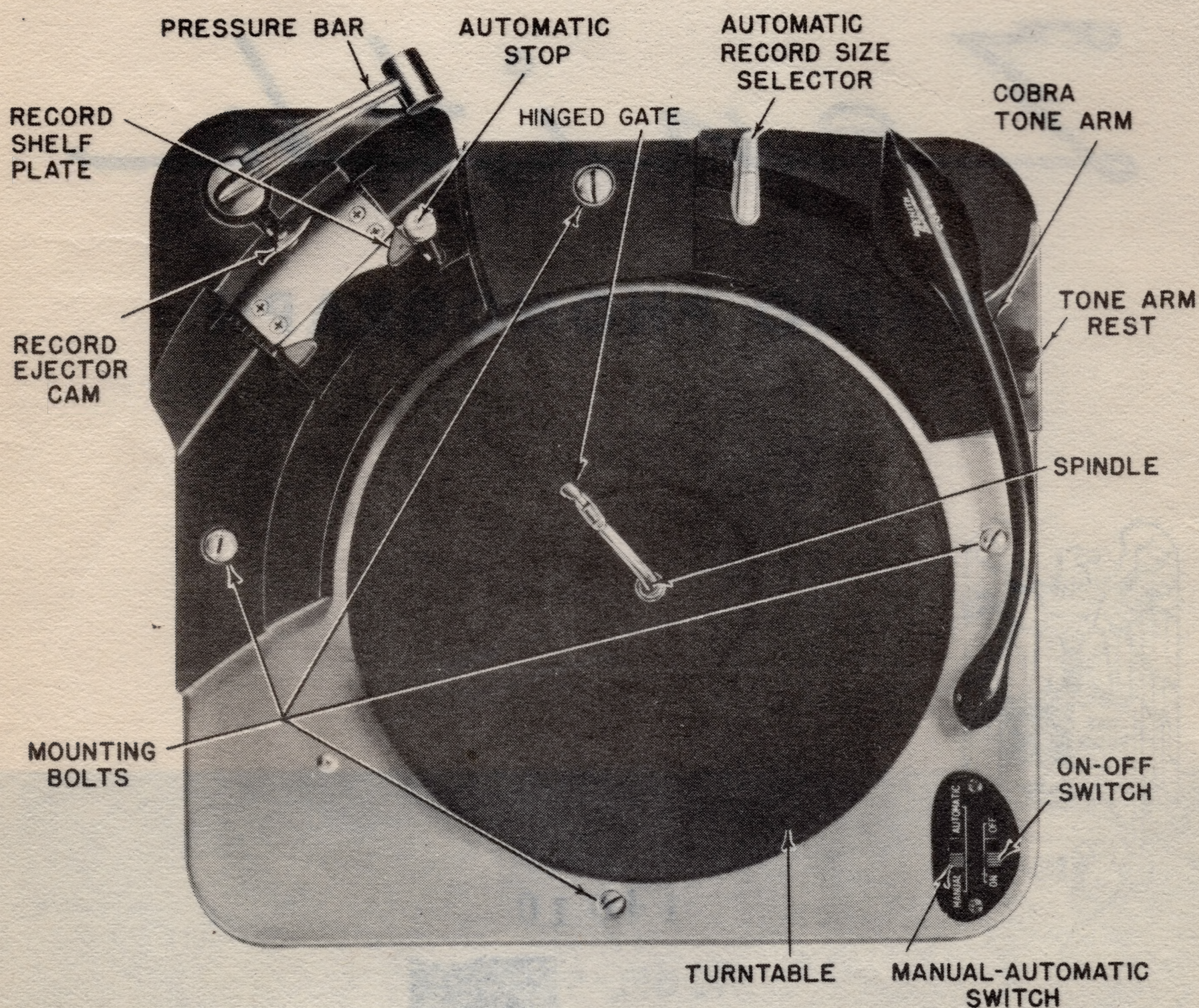


Fig. 1. Record Changer Top View

UNPACKING

The record changer has been securely packed to avoid damage in shipment. It is important that all packing material be removed before the changer is operated. Ordinarily, the dealer from whom you purchased the set will unpack and install it. If, however, it is necessary for some other person to make the installation, he should first read the tags attached to the unit, and carefully remove the strips, bolts, and other packing material. After this has been done, the changer must be "floated" for proper operation. To do this, use a wide-blade screw driver, and turn the four mounting bolts (see Fig. 1) clockwise until the heads of the bolts are flush with the mounting plate.

IMPORTANT

The phono pre-amplifier is spring mounted in the rear of the cabinet. This must also be "floated" by removal of the cardboard packing strip.

HOW TO OPERATE

Tone and Volume Control: Use of the Radiorgan will give you added listening pleasure from your records. With it you can change the bass and treble response for the tone effect you prefer. Be sure to read the section on the Radiorgan contained in the instruction book covering the operation of the radio. The volume of record reproduction is regulated by the Volume Control exactly the same as for radio reception.

Loading for Automatic Operation:

1. Raise the PRESSURE BAR and swing it to the right.
2. Swing the RECORD SPINDLE to the LOAD position.
3. Place the stack of records (up to fourteen 10-inch or twelve 12-inch or twelve intermixed records) over the RECORD SPINDLE. DO NOT RAISE THE HINGED GATE.
4. Swing the PRESSURE BAR to the left as far as it will go and allow it to come down and rest on the record stack.



Spindle Load Position

Starting the Changer:

1. Set the BAND SWITCH on the Master Mind Control Panel to PHONO.
2. Set the MANUAL AUTOMATIC SWITCH on the changer to AUTOMATIC (See Fig. 1).
3. Set RECORD CHANGER ON/OFF SWITCH to the ON position.
4. Push the RECORD CHANGE BUTTON on the Master Mind Control Panel. This will place the bottom record on the stack in playing position. The changer will play through the complete selection of records, and will automatically shut off when the last record is played.

Should you desire to reject a record that is playing, push the RECORD CHANGE button. This will immediately place the next record on the stack into playing position.

Turning the Changer Off:

(The changer will automatically shut off when the last record is played. However, should you desire to stop it before all of the records have been played, proceed as follows:)

1. See that the TONE ARM is in playing position, with the needle or filament in contact with the record.
2. Set the CHANGER ON/OFF SWITCH to OFF.
3. Lift the TONE ARM and place it on the TONE ARM REST.
4. Adjust the BAND SWITCH on the Master Mind Control Panel to the RADIO position you want (Standard Broadcast, FM or Short Wave), or, if you wish to shut off the entire radio-phonograph, do so with the ON/OFF and VOLUME CONTROL KNOB.

Unloading the Changer:

To unload the record stack after the last record has been played, proceed as follows:

1. Turn OFF the Changer as described in the above paragraph.
2. Raise the PRESSURE BAR and swing it as far to the right as it will go.
3. Swing the RECORD SPINDLE to the UNLOAD position.
4. Raise the record stack, or as many records as you can conveniently handle, and with NO DOWNWARD PRESSURE FROM THE



Spindle Unload Position

THUMBS, lift the record stack off the spindle as shown in Figure 2. In the event the records stick, do not use undue force. Lower the stack and repeat the operation gently.



Fig. 2. Removing Record Stack

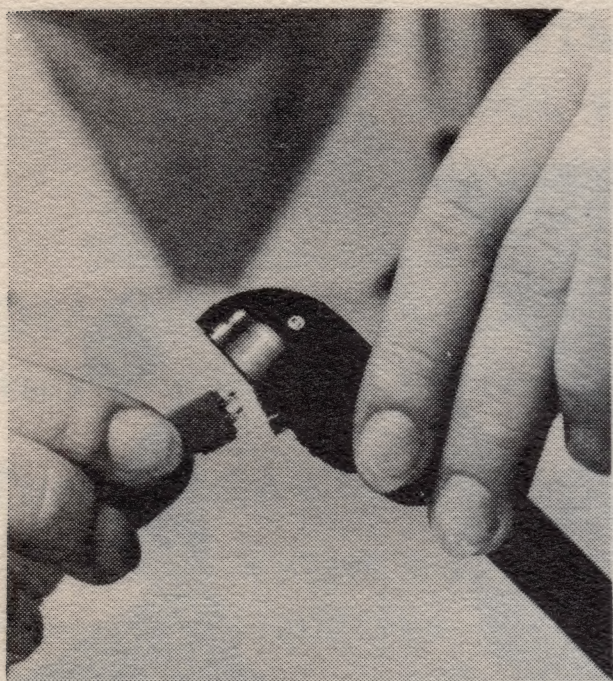
Manual Operation: Old or odd sized records are not intended for automatic use and must be played manually, that is, singly, as on a non-automatic record player. For manual operation, set the MANUAL AUTOMATIC SWITCH to the MANUAL position (see Fig. 1). With the switch in this position the tone arm is free and may be picked up and placed on the starting groove of the record.

CHANGING THE NEEDLE CARTRIDGE

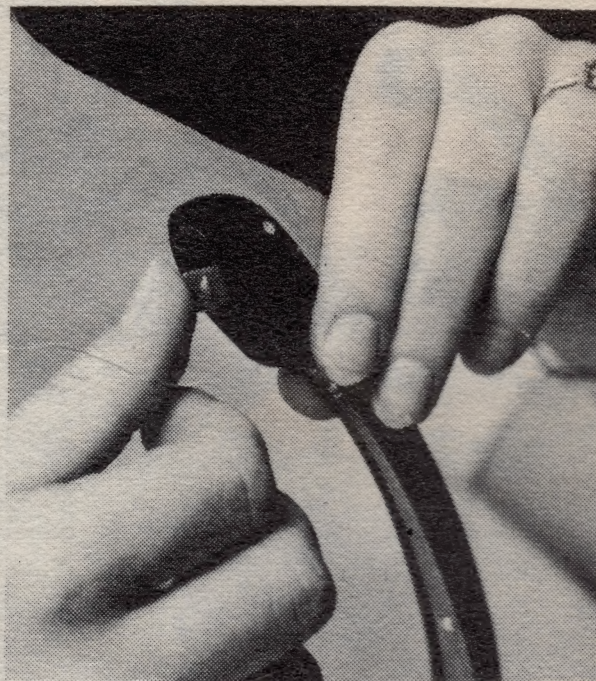
The cartridge of the Cobra Tone Arm will usually play many thousands of times. Should it become necessary to change the cartridge because of wear or mishandling, this can be done very easily without tools of any kind. A replacement cartridge may be purchased from your Zenith dealer at moderate cost.

If it becomes necessary to change the Needle Cartridge, proceed as follows:

1. Set the RECORD CHANGER ON/OFF SWITCH to OFF.
2. Raise the TONE ARM as far as it will go without forcing.
3. Grasp the RED NEEDLE CARTRIDGE with the fingertips, and gently pull it straight out.



Needle Cartridge Out



Inserting Needle Cartridge

Fig. 3. Replacing the Needle Cartridge

4. Insert a NEW NEEDLE CARTRIDGE, and push it in place gently and carefully with the thumb. The cartridge is so designed that it cannot be put in backwards . . . it will fit in only one way. Be careful to place it in the socket at the *right* angle so as to eliminate the possibility of damage to the cartridge or the socket. (Study Fig. 3).

RECORDS—IMPORTANT

1. Excessive scratch and poor tone quality are usually caused by worn or warped records. The amount of surface and background noise on new records will vary, depending on the quality of manufacture, the type of music recorded, and the care given the records. Should you hear squeaking caused by friction between the spindle and the records, this can be eliminated by a thin coat of wax or paraffin on the spindle.
2. Never allow records to remain on the spindle when the Record Changer is not in use. To do so may result in warping of records and failure of the changer to play such records.
3. Thin substandard records may drop double into playing position.
4. Thick substandard records may not slide down in playing position.
5. Occasional soft records may chip and wear out quickly at the center pole.

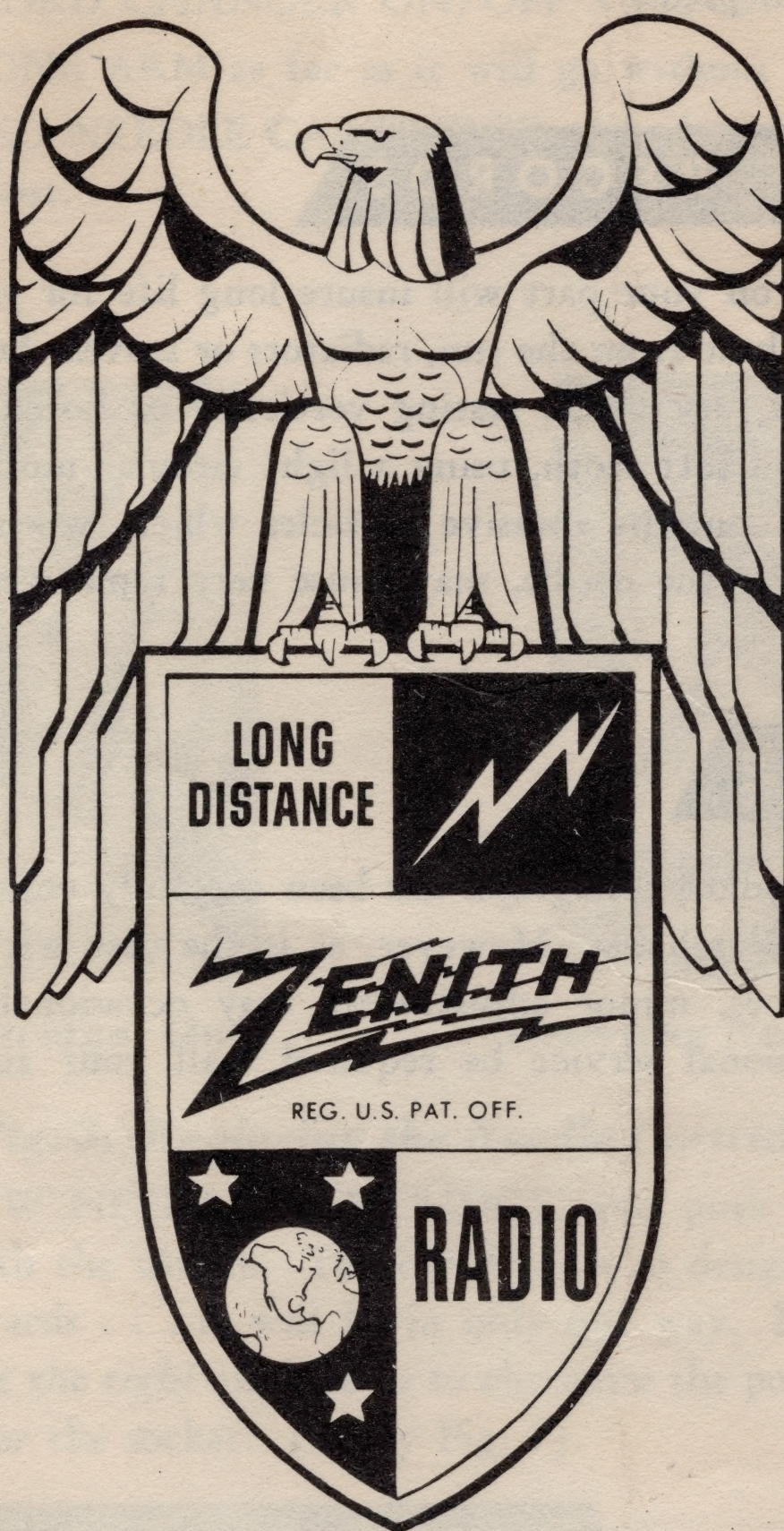
6. Warped or dished records, or records with bulging center holes will slip on the turntable stack and not properly drive records above. This causes "wows" and uneven speeds.

CARE OF RECORDS

A small effort on your part will insure long life for your records. Do not expose them to heat from the sun, radiators or stoves. Store your records in albums in a cool, dry place, resting vertically or horizontally. Remove dust and dirt with a soft cloth, using a light circular motion. Even a fine film of dust often contains abrasive particles which, when ground against the record surface by the needle, may cause very rapid wear.

SERVICE

Your Zenith radio-phonograph has been carefully constructed. Its operation is simple and reliable. However, as is the case with all mechanical and electrical devices, minor adjustments may occasionally be necessary. Should this professional service be required, call your authorized Zenith dealer.



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