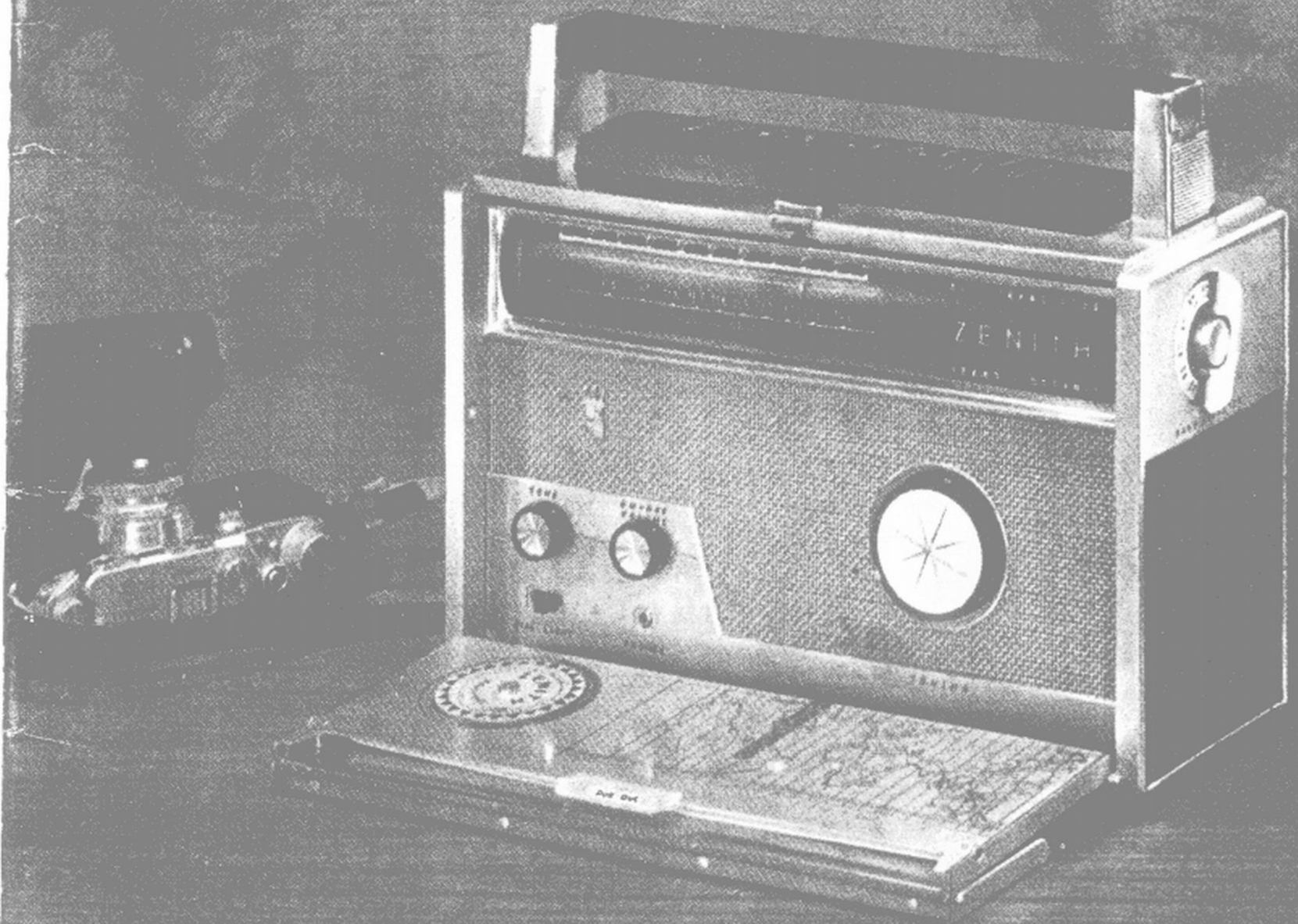
Operating Guide to Help You Enjoy You



ZENITH®

THERE IS A WORLD OF ENTERTAINMENT AND PLEASURE IN YOUR NEW ZENITH ROYAL 1000 ALL TRANSISTOR SHORTWAVE PORTABLE

Your new Zenith Royal 1000 shortwave portable is an all transistor superheterodyne receiver with 8 bands for tuning standard broadcast and shortwave with continuous coverage from 2 to 9 megacycles. (150 to 33 meters.)

It has 7 tuned circuits including a 3 section tuning condenser with a tuned radio frequency stage, insuring maximum sensitivity and selectivity. Freedom from blasting on powerful stations is assured by a new automatic volume control circuit which controls 3 transistors on all bands.

All parts are treated against moisture, temperature, and other climatic conditions. Variations in the performance of the receiver because of seasonal or geographic changes are held to a minimum. The receiver will operate at its maximum efficiency throughout the world.

In the event of a national emergency when broadcast stations must leave the air, Civil Defense information will be broadcast by the Conelrad plan. To hear such information, tune your radio to either 640 or 1240 Kc, indicated by the Civil Defense (CD) symbols on the dial. Fig. 4.

This portable has continuous coverage from 2 to 4 Mc (150 to 75 meters) and from 4 to 9 Mc (75 to 33 meters). The continuous coverage band can be used by sportsmen, yachtsmen and others operating boats on the Great Lakes, Pacific Coast, Atlantic Coast, Gulf of Mexico and Caribbean Sea areas.

The weather broadcast schedule and the shortwave list has a log chart. The log and chart compartment is built into the front cover. Fig. 3.

The weather broadcasts give the exact up-to-the-minute, as well as predicted weather reports for areas in which they are operating. These weather reports are of great importance in planning a cruise in either inland or off shore waters of the continental U.S.A. This 4 to 9 Mc continuous coverage band includes 6.0 Mc to 6.2 Mc 49 meter international shortwave.

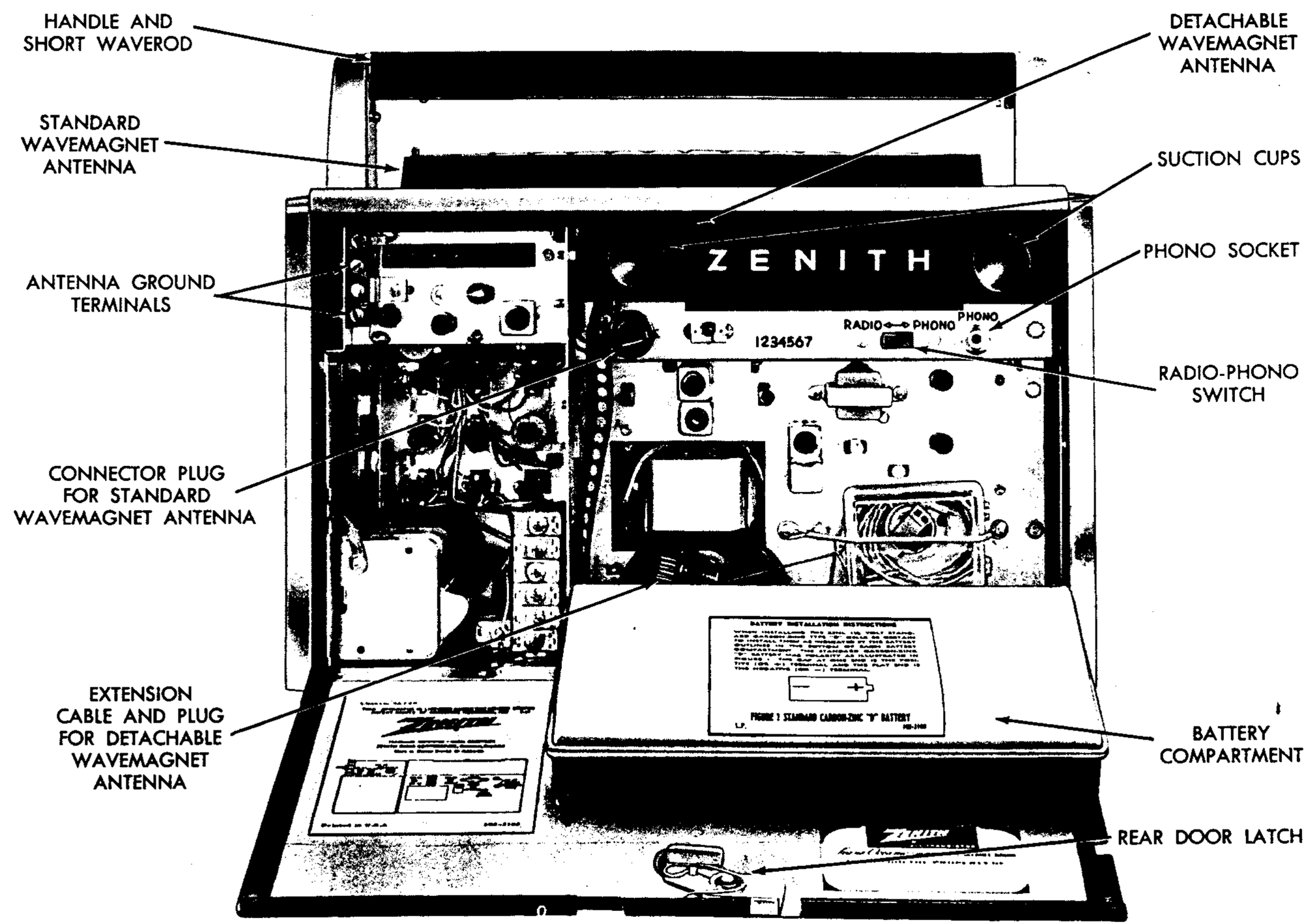


FIGURE 1 REAR VIEW BACK COVER OPEN

TO PREPARE YOUR RECEIVER FOR OPERATION

First place your finger in the hole at the top of the rear door, press up to release the latch, and pull out to open the rear door of the case.

Remove the battery compartment cover by first snapping it off at one corner, Fig. 1 and insert nine Zenith Z2NL 1½ volt cells or standard flashlight batteries. Eight cells power the receiver and the ninth, in the upper left hand corner, supplies power for the dial light.

WARNING: It is imperative that the batteries be installed properly as shown in Fig. 2 and on the instruction label in the battery compartment cover. Failure to do so will result in damage to the receiver.

The batteries will last up to 300 hours at normal volume.

When you replace the cover, be certain to press firmly down on it until it snaps securely over the bottom of the battery compartment.

FIGURE 2 BATTERY COMPARTMENT

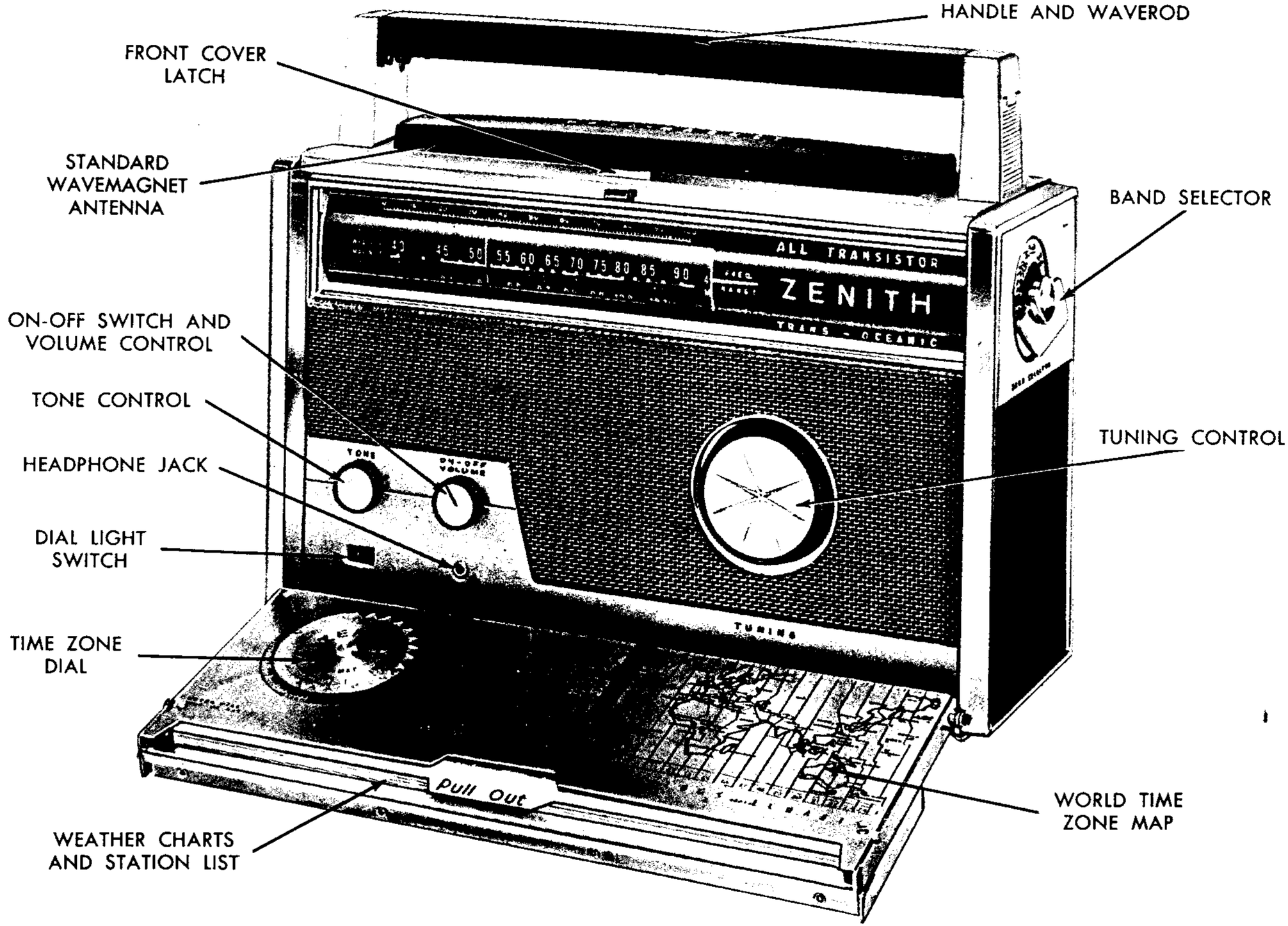


FIGURE 3 FRONT VIEW

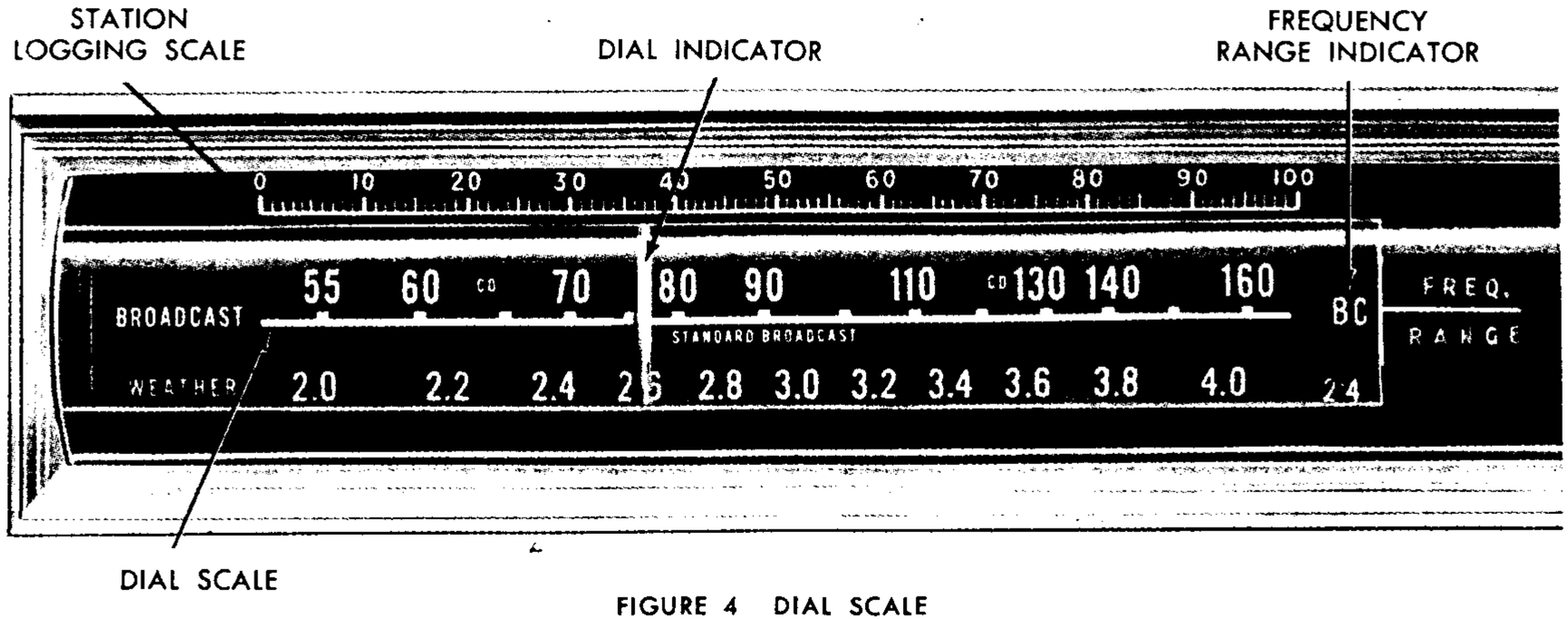


FIGURE 4 DIAL SCALE

CONTROLS AND FEATURES

BAND SELECTOR

A band Selector is at the right hand side of the cabinet, Fig. 3. It enables the operator to choose any one of eight tuning ranges. As you rotate the band selector, the dial scale and frequency range indicator on the dial panel automatically come into view. The band ranges are: →

Band	*Meters (M)*	*Megacycles (Mc)*	*Kilocycles (Kc)*
BC	555 to 188	.54 to 1.6	540 to 1600
2-4	150 to 75	2 to 4	2000 to 4000
4-9	75 to 33	4 to 9	4000 to 9000
31	31	9.4 to 10.1	9400 to 10100
25	25	11.4 to 12.3	11400 to 12300
19	19	14.6 to 15.8	14600 to 15800
16	16	17.1 to 18.5	17100 to 18500
13	13	20.7 to 22.5	20700 to 22500

STATION LOGGING SCALE

A calibrated station Logging Dial Scale is provided just above the dial face (0 to 100) Fig. 4. It assures accuracy in logging and relocating shortwave stations. FOR EXAMPLE: A station heard at 2.87 Mc on the 2-4 Mc band would be logged 2-4Mc-48.

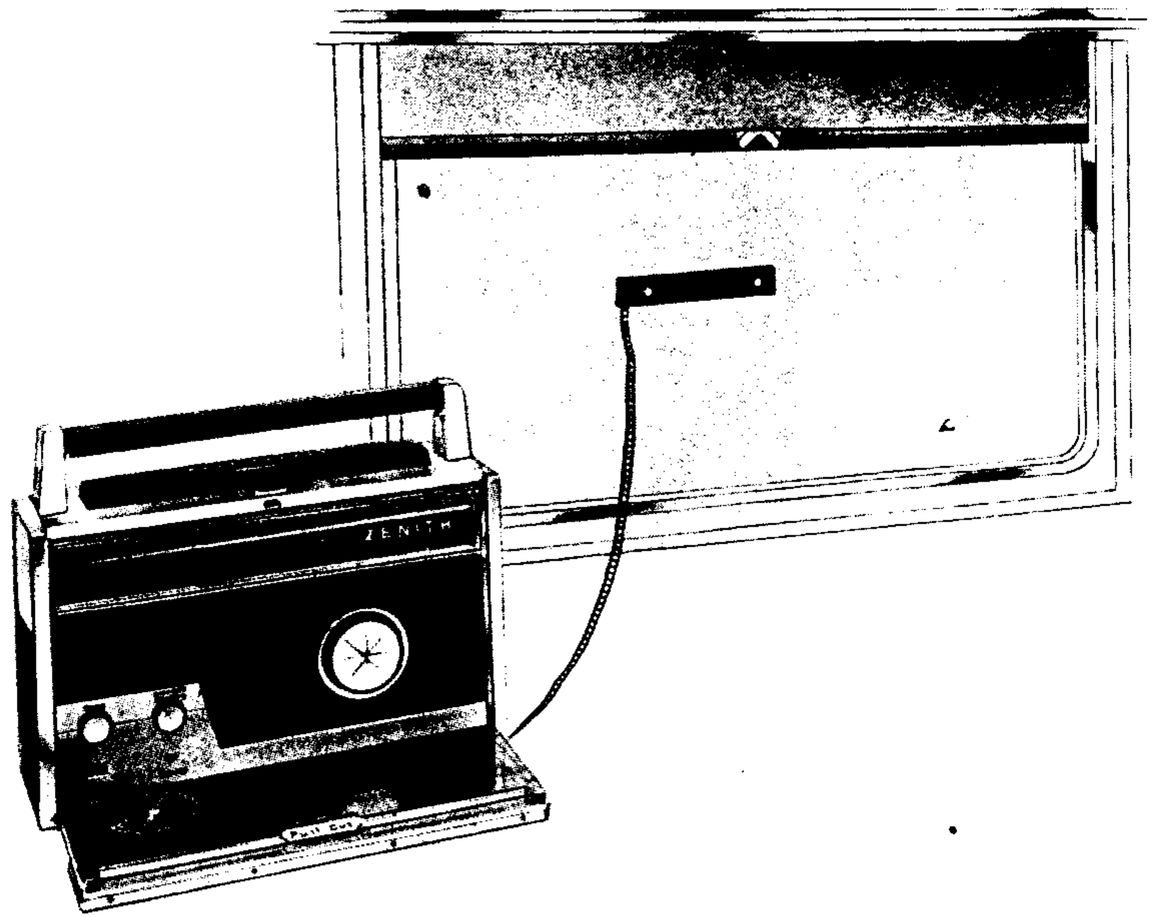


FIGURE 5 DETACHABLE WAVEMAGNET ANTENNA IN POSITION ON WINDOW

STANDARD WAVEMAGNET® ANTENNA

The rectangular plastic container on the top of the cabinet contains a Standard-Broadcast WAVEMAGNET antenna. Fig. 1. During normal operation the receiver will perform satisfactorily with this antenna. Since the WAVEMAGNET is directional, it may be necessary to rotate the receiver for best signal. The directional properties of this antenna are also helpful in eliminating local electrical interference.

DETACHABLE WAVEMAGNET® ANTENNA

A detachable WAVEMAGNET antenna is mounted on top of the chassis in the back of the cabinet, Fig. 1. It is easily removed by lifting up and pulling it out of its slotted hole mounts. The extension cable for the detachable WAVEMAGNET and plug is coiled up in the lower left corner of the cabinet. Remove the connector plug of the standard WAVEMAGNET from its socket, and in its place insert the extension cable plug. Moisten the suction cups and attach the WAVEMAGNET to the center of a window, Fig. 5. When replacing detachable extension

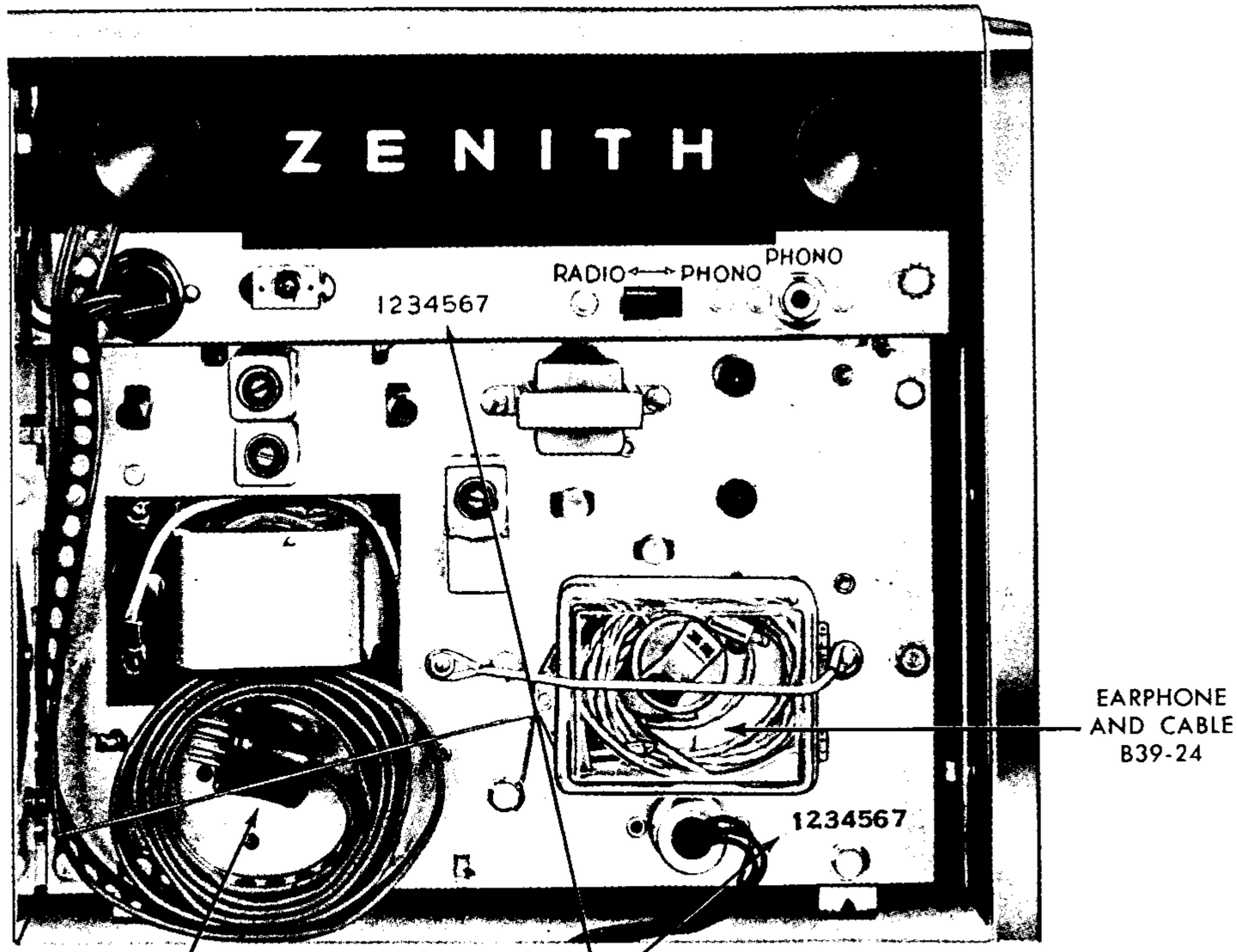

ZENITH
1234567
RADIO ⟷ PHONO
PHONO
EARPHONE AND CABLE B39-24
1234567
EXTENSION CABLE AND PLUG FOR DETACHABLE WAVEMAGNET ANTENNA
SERIAL NUMBER

FIGURE 6

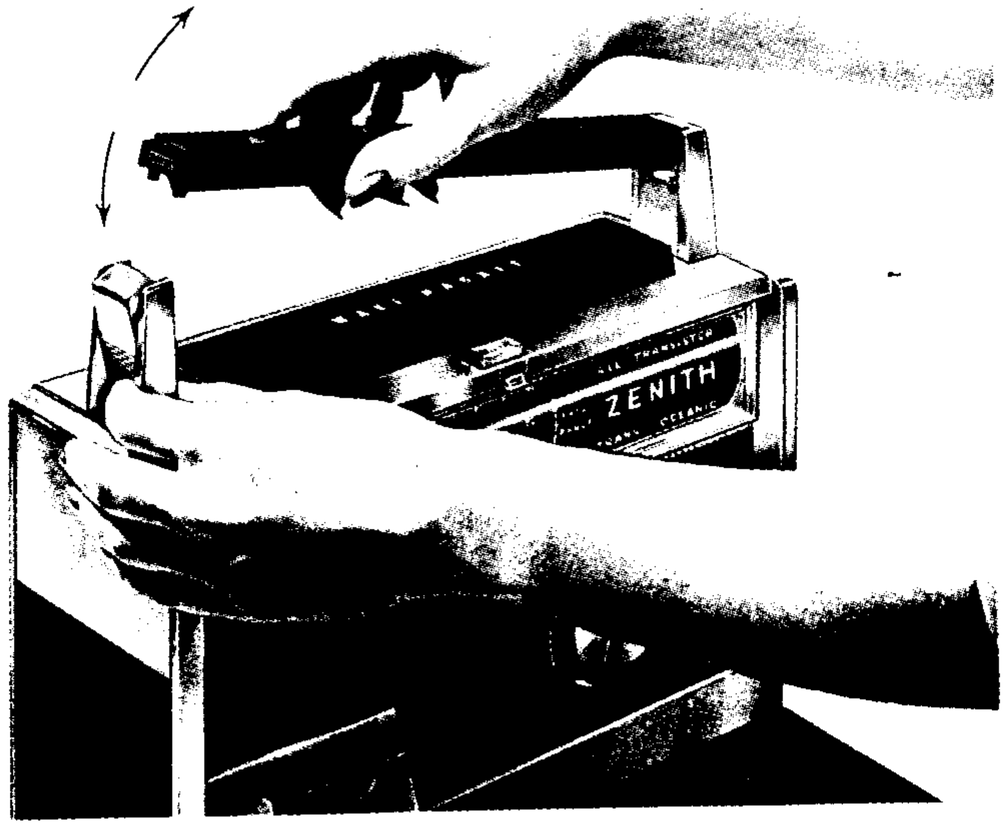
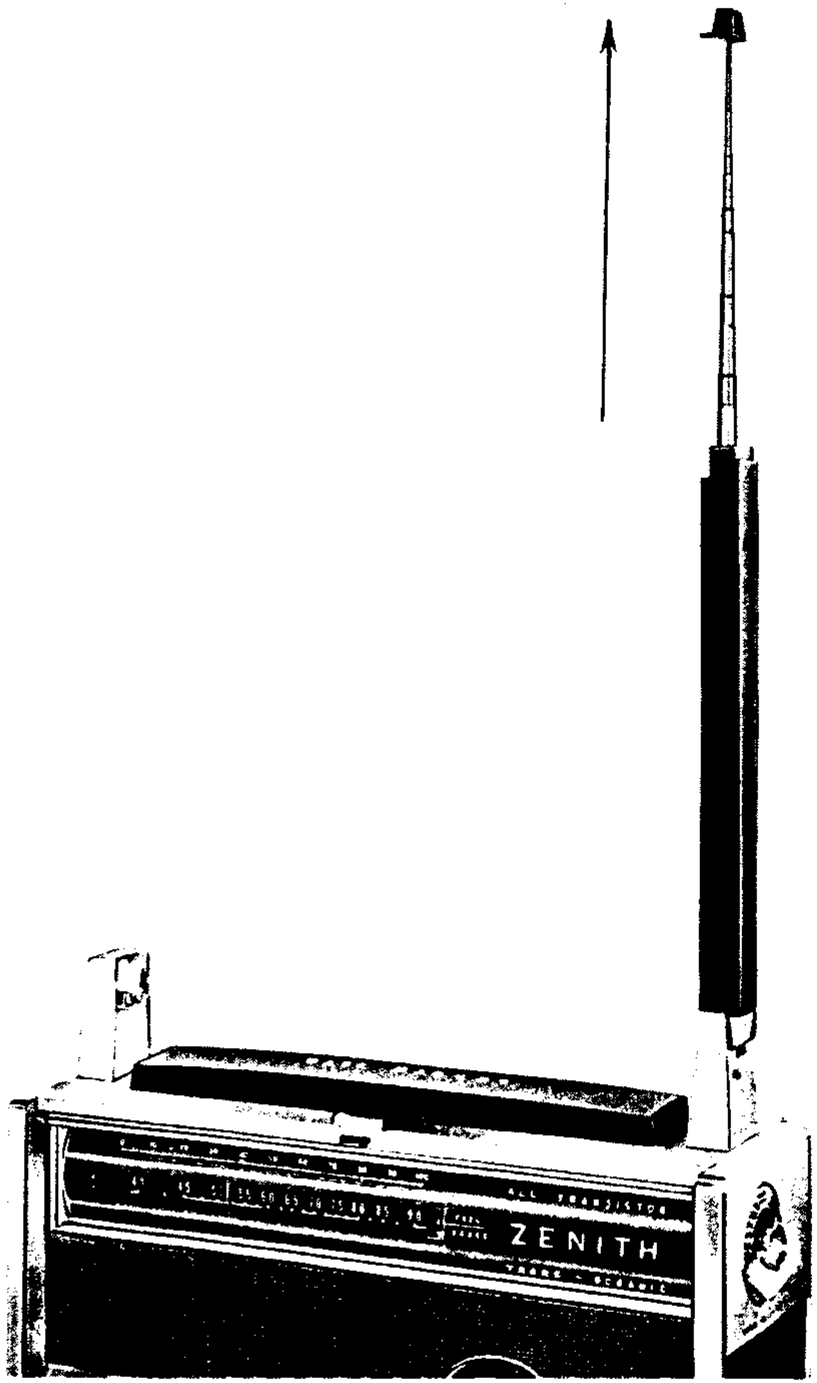


FIGURE 7 RELEASE HANDLE AND WAVEROD

cable be certain to coil it up and place it behind the spring retaining wire in the lower left corner of the cabinet, exactly as shown in Fig. 6.

WAVEROD

The Waverod, for use on short wave only, is concealed in the carrying handle. Release the Waverod by pressing the outside base of the left handle support, Fig. 7. The Waverod is pivoted on the right handle support and raised upright as in Fig. 8. Grasp the button at the top of the handle and pull the Waverod out, to its full length. To lower the waverod, simply push it back into the handle. To return the handle to its normal position, press at the inside base of the right handle support and lower the handle Fig. 9. To lock the handle press the outside base of the left handle support as shown in Fig. 7 and push the handle down firmly in position.



10 FIGURE 8 WAVEROD MUST BE EXTENDED FOR SHORTWAVE RECEPTION

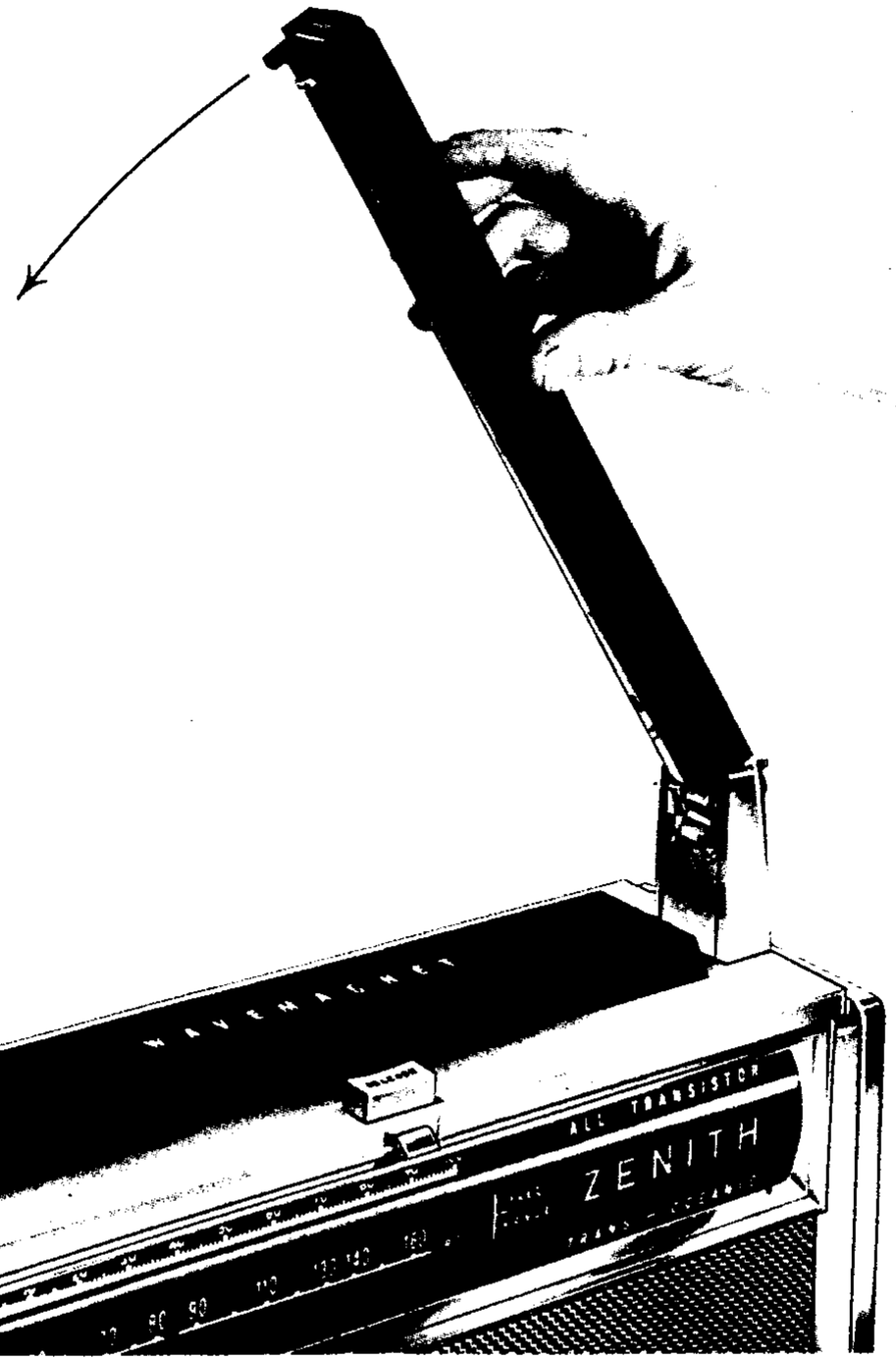


FIGURE 9 LOWERING THE HANDLE

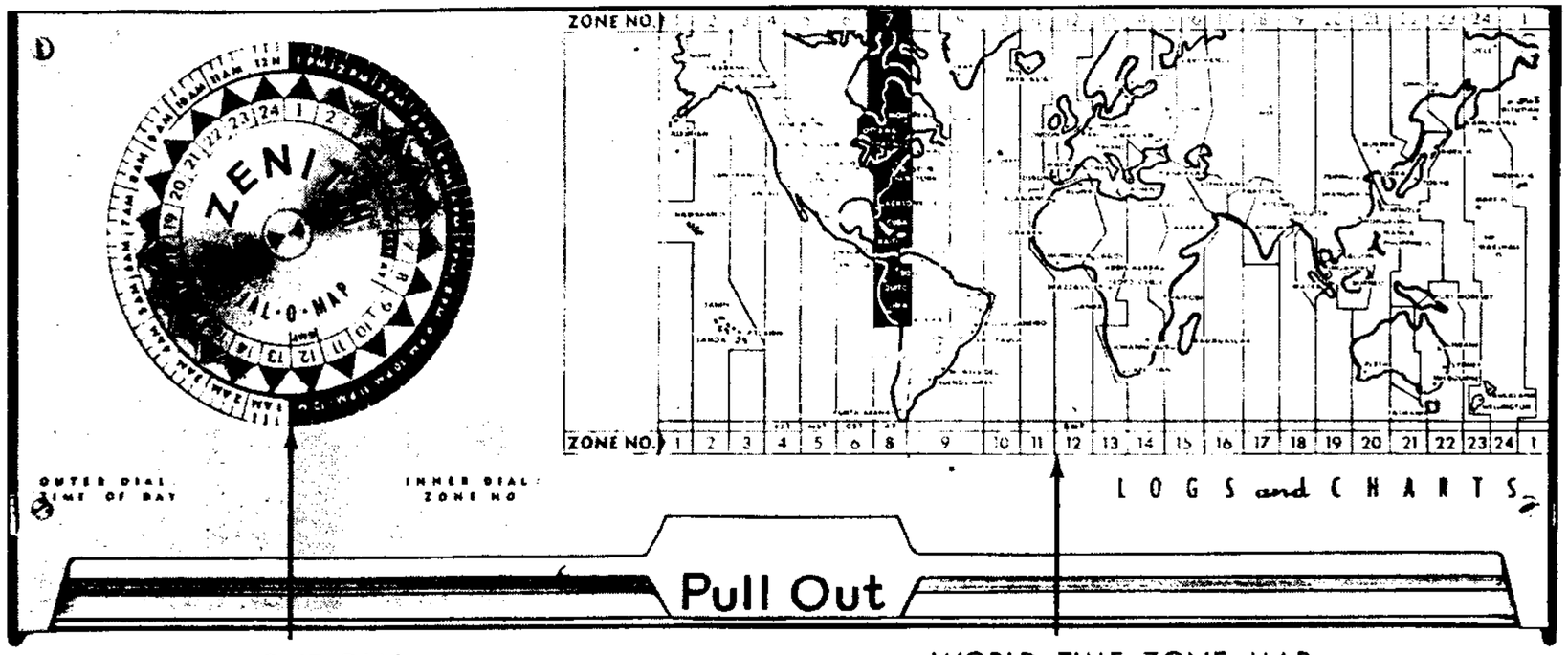


FIGURE 10 DIAL-O-MAP

DIAL-O-MAP® TIME CHART

The Zenith Dial-O-Map time chart is etched into the front cover of the receiver, Fig. 10. It consists of a Time Zone Dial and a World Time Zone Map which enables the operator to determine the time of day in all parts of the world. It is used as follows:

a. Check the World Time Zone Map and note time zone in which you are located.

b. The outer circle of Time Zone Dial indicates time of day. Turn the inner dial of the Time Zone Dial so that your zone number lines up with the present time in your city.

c. Check the World Time Zone Map for the zone number of the city from which you wish to receive a program. The time indicated on the outer dial opposite that zone number is the time in that area. EXAMPLE: At 10 a.m. in Chicago (zone 6) what is the time in London (zone 12)? Turn dial so that Zone 6 arrow points to 10 a.m. and then note that zone 12 indicates time in London to be 4 p.m. (If you are on daylight savings time be certain to subtract one hour).

NOTE: If zone number in cities from which you wish to receive a program is larger than your zone number, the time indicated is ahead of your time; if smaller, it is behind your time. Keep in mind the International Date Line which separates zone 24 and zone 1. For example if you lived in zone 24 and it was 9 a.m. Tuesday, the time in zone 1 would be 10 a.m. Monday.

ANTENNA AND GROUND TERMINALS

For additional sensitivity an external antenna and ground may be used. Antenna and ground terminals are provided at the left rear of the chassis, Fig. 1.

TONE CONTROL

The tone control is located on the lower left of the control panel, Fig. 3. When the control is turned clockwise high tones are given extra emphasis. Turning counterclockwise will accentuate the lower tones. It is normally adjusted to personal preference. This control will also be found helpful in reducing atmospheric noises and electrical interference.

DIAL LIGHT

The tuning dial may be illuminated for operation of the receiver under adverse lighting conditions. It can be turned on by pushing the dial light switch to the left. This switch is located in the lower left hand corner of the control panel, Fig. 3 since it is of the spring type the dial light will go out when it is released.

HEADPHONES

When it is desired to operate the receiver without disturbing nearby persons, a special earphone kit, part B39-24 may be used. It is obtainable from your Zenith dealer. To connect this earphone to the receiver, place the earphone plug in the socket provided on the front control panel, Fig. 3. It will automatically disconnect the speaker when plugged in. The earphone can be stored as shown in Fig. 6.
To use standard double earphones with the large phone plug, obtain Headphone Adapter Cable Part No. 52-824.

PHONO CONNECTION

Any record player using a high output cartridge can be connected to this receiver. To attach, insert the record player plug in the Phono Socket, Fig. 1, and slide the Radio-Phono switch to Phono position. The volume is controlled by the Radio volume control.

OPERATING THE RECEIVER

Rotate the volume control clockwise. This turns on the receiver and advances the volume. Then rotate the Band Selector to any one of the nine bands you desire and slowly turn the Tuning Control knob. The Dial Indicator shows the frequency to which you are tuned, Fig. 4. It is most important to carefully move the Dial Indicator back and forth across the chosen frequency to obtain the clearest and loudest signal.

When operating the receiver aboard a train, plane, automobile or within the confines of a steel-building, use the DETACHABLE WAVEMAGNET antenna.

For shortwave operation under normal conditions the WAVEROD should be used and will give satisfactory reception.

IMPORTANT TO REMEMBER

1. If the receiver is to be stored or otherwise not used for long periods of time, the batteries should be removed. When batteries become exhausted there is possibility of leakage with resultant damage to the battery case and receiver. It is recommended that you occasionally check the batteries for signs of leakage. If such leakage should occur, remove fluid promptly with a cloth dampened in household ammonia. If battery contacts become corroded or dirty, they may cause a static-like noise. Clean and brighten the contacts by rubbing them with a cloth dipped in household ammonia.

2. If the receiver fails to operate or the tone becomes distorted, check or replace the batteries. If this does not remedy the trouble, consult your Zenith dealer.

3. Do not leave the instrument in a closed, confined area where the temperature exceeds 120 degrees F, such as the rear window shelf of a closed automobile, etc. To do so might result in damage.

S.# 8699106

Warranty

Zenith Radio Corporation warrants the parts and transistors in any Zenith Transistor Radio Receiver to be free from defects in workmanship and material arising from normal usage. Its obligation under this warranty is limited to replacing any such parts or transistors of the receiver which, after regular installation and under normal usage and service, shall be returned within ninety (90) days from the date of original purchase of the set to the authorized dealer from whom the purchase was made and which shall be found to have been thus defective in accordance with the policies established by Zenith Radio Corporation.

The obligation of Zenith Radio Corporation is limited to making replacement parts available to the purchaser, and does not include either the making or the furnishing of any labor in connection with the installation of such replacement parts nor does it include responsibility for any transportation expense.

Zenith Radio Corporation assumes no liability and shall not be liable in any respect for failure to perform or delay in performing its obligations with respect to the above warranty if such failure or delay results, directly or indirectly, from any preference, priority or allocation order issued by the Government, or because of any other act of the Government, or by war, conditions of war, inadequate transportation facilities, conditions of weather, acts of God, strikes, lockouts, Governmental controls, or Zenith's reasonable requirements for manufacturing purposes, or any cause beyond its control or occurring without its fault, whether the same kind or not.

CONDITIONS AND EXCLUSIONS

This warranty is expressly in lieu of all other agreements and warranties, expressed or implied, and Zenith Radio Corporation does not authorize any person to assume for it the obligations contained in this warranty and neither assumes nor authorizes any representative or other person to assume for it any other liability in connection with such Zenith transistor radio receiver or parts or transistors thereof.

The warranty herein extends only to the original consumer purchaser and is not assignable or transferable and shall not apply to any transistor radio receiver or parts or transistors thereof which have been repaired or replaced by anyone else other than an authorized Zenith dealer, service contractor or distributor, or which have been subject to alteration, misuse, negligence or accident, or to the parts or transistors of any receiver which have had the serial number or name altered, defaced or removed.

Printed in U.S.A.—rr

202-1629

IMPORTANT! YOU MUST FILL IN THE CARD BELOW TO EXTEND YOUR PARTS WARRANTY TO ONE FULL YEAR!

ONE YEAR EXTENDED Warranty

"Zenith Radio Corporation's regular ninety (90) day parts warranty and the terms and conditions thereof shall be extended to a period of one (1) year for the Zenith all Transistor TRANS-OCEANIC® Portable Radio provided the purchaser fills out and mails to Zenith Radio Corporation, within ten (10) days from the date of original purchase, the Zenith all transistor TRANS-OCEANIC Portable Radio warranty registration shown herein.

This extended warranty for one (1) year is applicable to the Zenith all Transistor TRANS-OCEANIC Portable Radio only.

Zenith Radio Corporation does not assume by virtue of its extension of the warranty period from ninety (90) days to one (1) year, any obligations or liabilities in addition to those set forth in its regular ninety (90) days parts warranty and all the terms and conditions of such warranty shall be applicable to the one (1) year warranty provided for herein.

The one (1) year warranty period is expressly in lieu of and not in addition to, the ninety (90) day warranty period."

With the purchase of your Zenith "Royal 1000" TRANS-OCEANIC Portable Radio, you automatically receive the 90 day free parts warranty as detailed on the adjoining page 14 of this booklet. You can extend your parts warranty to one full year as detailed by the warranty on the left. Simply fill out the card below, detach it, and mail to Zenith Radio Corporation. It is already addressed and no postage is necessary.