

**LAFAYETTE®**

**4-BAND SOLID-STATE**

**PORTABLE RADIO**

**Stock No. 99-35636L**

## GENERAL DESCRIPTION

This is a deluxe 4-band, all-transistor radio designed for portable battery operation, or for home use when used with an optional AC adapter, stock number 99-3536. Housed in an attractive, durable plastic cabinet, the radio employs 14 transistors, 3 diodes and 1 thermistor to provide efficient operation on all four bands. One of the unique features of this radio is the ability to tune in television channels 2 through 13 for reception of the sound portion of TV broadcasts on these channels. This feature offers many uses. You can listen to the sound portion of your favorite program, sports show, or "special", when away from home or when access to a television receiver is not possible. For the hard-of-hearing, this feature is particularly useful. The TV set can be used for picture viewing only, with the sound portion being received on the radio which would be conveniently located at the viewer's side. This would not only permit the use of an earphone for private listening without disturbing others, but would also offer complete control of the sound volume at the viewer's side. This "remote control" arrangement is particularly convenient for late-night TV viewing, either with the earphone or without.

In addition to the two bands for TV, there is a band for reception of standard FM broadcasts, and a band for reception on 146 to 175 MHz, covering fire, police and weather broadcasts.

The radio is equipped with a convenient easy-to-read slide-rule tuning dial, a built-in telescopic antenna for reception on all bands plus a jack for an external antenna when needed, an external power jack for use with an optional AC adapter, plus a jack for earphone use when desired.

Do not keep the radio in extremely hot locations, or where there is excessive moisture. If treated with the care normally accorded electronic equipment, this radio will provide you with many years of trouble-free performance. The only maintenance that will be needed to maintain peak performance is the replacement of batteries when necessary.

## BATTERY INSTALLATION

Slide open BATTERY COMPARTMENT COVER (9) by pushing down on the button in the lower part of the rear cabinet and install the 4 "C" size, 1.5 volt batteries as outlined in the compartment. Make sure the batteries are not reversed or transistors may be damaged. After battery installation, replace the cover and secure tightly.



## WARNING

BATTERIES MUST NOT BE ALLOWED TO REMAIN IN THIS UNIT FOR LONG PERIODS OF TIME WHEN THEY ARE NOT IN USE. CHEMICALS MAY LEAK FROM UNUSED OR EXHAUSTED BATTERIES AND CAUSE SEVERE DAMAGE, THUS VOIDING ANY WARRANTY.

If you are using the optional AC adapter, insert the small plug from the adapter into the "EXT PWR" jack on the radio, and plug the AC line cord into an outlet supplying 110—120 volts, 60 Hz AC [house current].

## OPERATING INSTRUCTIONS

Extend the telescopic antenna [1] to its full height initially. Rotate the VOLUME control [6] clockwise to switch the radio on and increase sound level. Set the SELECTOR [3] to the desired band, and use the TUNING control [5] to tune in stations.

### TUNING IN TV CHANNELS

Select either the TV1 or TV2 band, depending upon channel desired, and tune to the point on the dial which is marked with that number. Tune back and forth carefully in that area until you are able to tune in the clearest sound. In areas close to TV stations, it may be necessary to reduce the height of the telescopic antenna to avoid overloading of the radio and the subsequent distortion that this causes. In weak reception areas, an external TV antenna may be connected to the radio, using the external antenna jack provided [See "Using An External Antenna"].

## PBh--POLICE/FIRE/WEATHER BAND

This band permits reception of many fire and/or police calls, plus reception of U.S. Weather Bureau forecasts. In many parts of the country, these forecasts can be heard on 162.55 MHz and 163.275 MHz. For actual frequencies in your area, consult your local U.S. weather bureau.

It should be noted that Fire and Police calls are generally of short duration, just long enough to communicate the necessary information. Because of the short duration of these transmissions, it is helpful to know the exact frequencies on which your local Fire and Police departments operate, so that you can tune to the proper area on the dial for their reception. If you do not know the frequencies used, you will simply have to tune slowly back and forth over the entire band until you hear one of these transmissions.

## IMPORTANT

RECEPTION OF A POLICE FREQUENCY BY UNAUTHORIZED PERSONNEL IS ILLEGAL IN SOME AREAS. It is the responsibility of the person using the equipment to be sure that the receiver is authorized or cleared through the local police department. Under no conditions can Lafayette Radio Electronics, the manufacturer of this receiver, be held responsible for its unauthorized installation or use.

## EARPHONE LISTENING

For private listening without disturbing others, simply plug the supplied earphone into the earphone jack at the side of the radio. Insertion of the earphone plug will automatically disconnect the built-in speaker.

For replacement purposes, any 6 to 8 ohm dynamic earphone with a subminiature plug (1/8" diam. plug) may be used. An earphone of this type is available from Lafayette under stock number 99-2548.

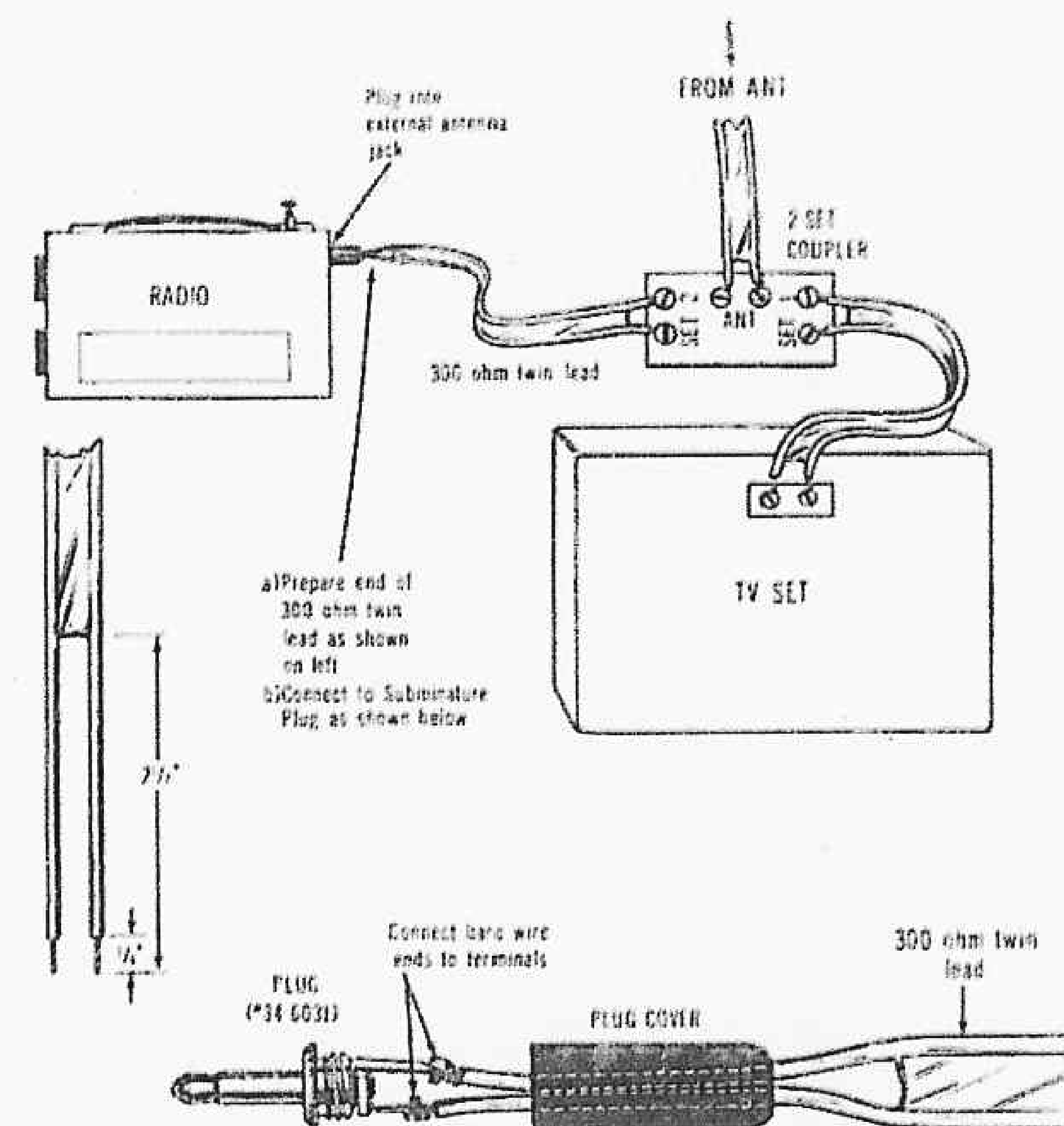
## USING AN EXTERNAL ANTENNA

The radio is equipped with a jack for the use of an external antenna when reception provided by the built-in telescopic antenna is inadequate. A subminiature plug (1/8" diam.) will fit this jack and is available under Lafayette stock number 34-6031. Methods of connecting external antennas follow.

NOTE: When using an external antenna, you should fully collapse the telescopic antenna on the radio.

### EXTERNAL TV ANTENNA

If you presently use an outdoor antenna for your television receiver, you can also attach it to the radio as illustrated. Note the manner in which the 300 ohm flat twin lead has to be prepared in order to connect it to the subminiature plug.



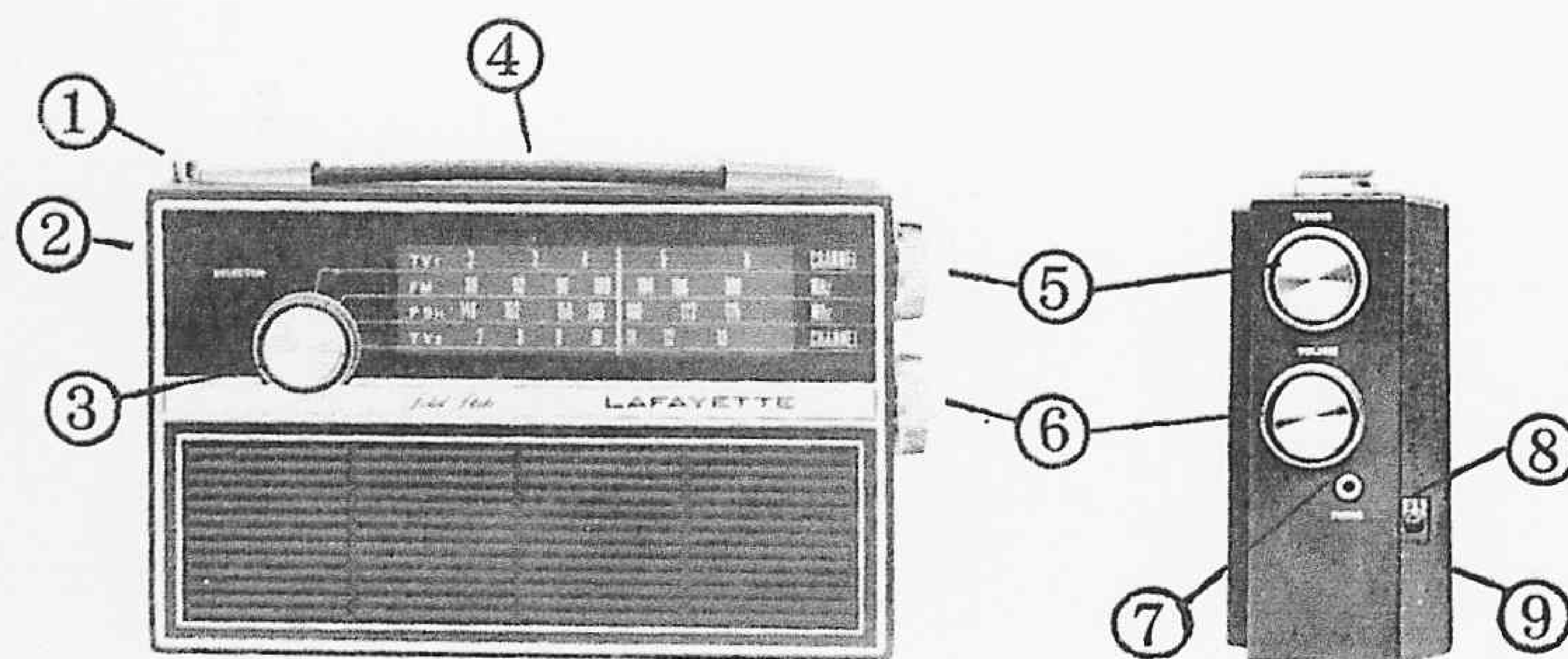
### 146-175 MHz PBh BAND

In most cases the built-in telescopic antenna (fully extended) will provide good reception on the PBh band. In buildings which use a substantial amount of steel in their construction, it may be necessary to place the radio close to a window for better signal pickup. Outdoor VHF antennas for this band are generally of a large size, requiring an elaborate roof installation. The use of such an antenna with a radio of this type is not generally practical and should be considered only in those few cases when reception with the built-in antenna is extremely poor.



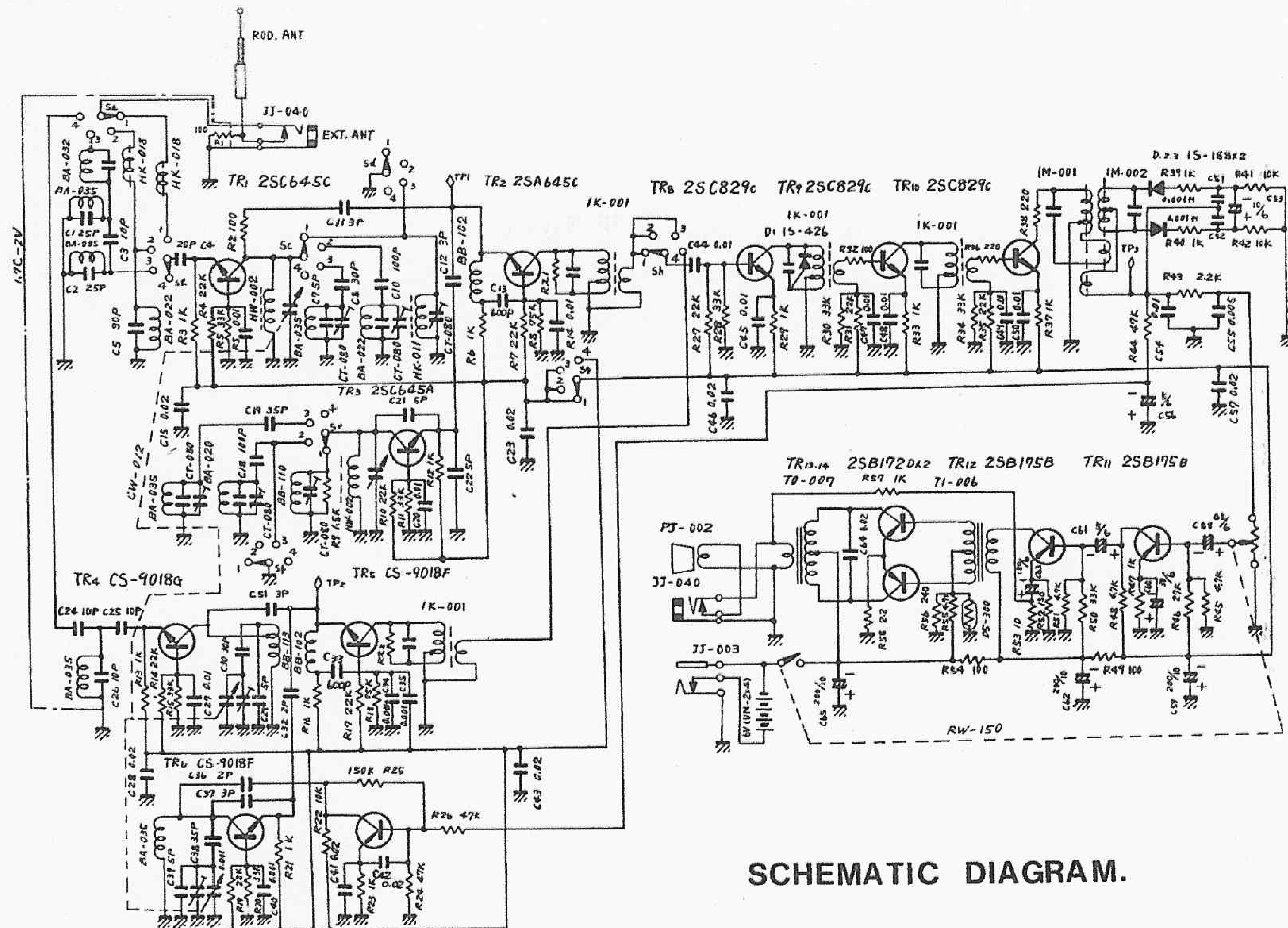
## LOCATION OF CONTROLS

- |                          |                          |
|--------------------------|--------------------------|
| 1. Telescoping antenna   | 6. Volume control/switch |
| 2. External antenna jack | 7. Earphone jack         |
| 3. Band Selector         | 8. External power jack   |
| 4. Handle                | 9. Battery cover         |
| 5. Tuning knob           |                          |



## GENERAL SPECIFICATIONS

BANDS .....	TV1: TV channels 2 thru 6. FM: 88 to 108 MHz. PBh: 146 to 175 MHz, Police/Fire and U.S. weather.
CONTROLS .....	TV2: TV channels 7 thru 13. Band Selector, Tuning, Volume-on/ off.
CIRCUIT DESIGN .....	All-transistor superheterodyne with RF amplifier for high sensitivity.
IF FREQUENCY .....	10.7 MHz.
AUDIO POWER OUTPUT .....	350 mW (max.).
SOLID-STATE DEVICES .....	14 Transistors, 3 Diodes, 1 Thermistor.
ANTENNA .....	Built-in Telescopic whip plus provision for external antenna.
SPEAKER .....	Built-in 3-inch unit, 8 ohms, plus provision for earphone.
POWER SUPPLY .....	Uses four 1.5 volt "C" cells, plus provision for use of optional AC adapter (#99-3536)
ACCESSORIES SUPPLIED .....	{4} 1.5 volt "C" cells. {1} Earphone.
DIMENSIONS .....	5 <sup>3</sup> / <sub>4</sub> " H x 9" W x 2 <sup>5</sup> / <sub>8</sub> " D.
NET WEIGHT .....	1.7 lbs.



SCHEMATIC DIAGRAM.

Printed in Japan