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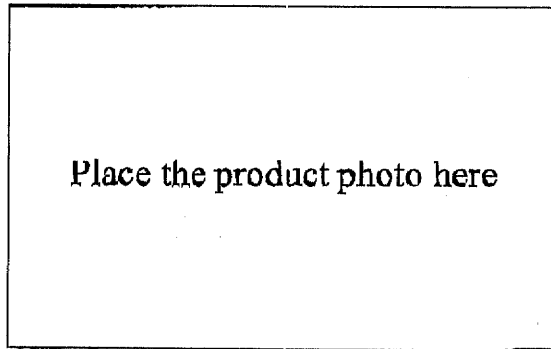
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# ***Studebaker***

**MODEL SB2603**

**AM/TV1-FM/TV2/WEATHER BAND RADIO**

**INSTRUCTION MANUAL**





**PLEASE READ THIS OPERATING MANUAL COMPLETELY BEFORE OPERATING THIS UNIT AND RETAIN THIS BOOKLET FOR FUTURE REFERENCE.**



# SAFETY INSTRUCTIONS

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

 <p>The lightning flash and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.</p>	<p style="text-align: center;"><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p><b>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</b></p>	 <p>The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.</p>
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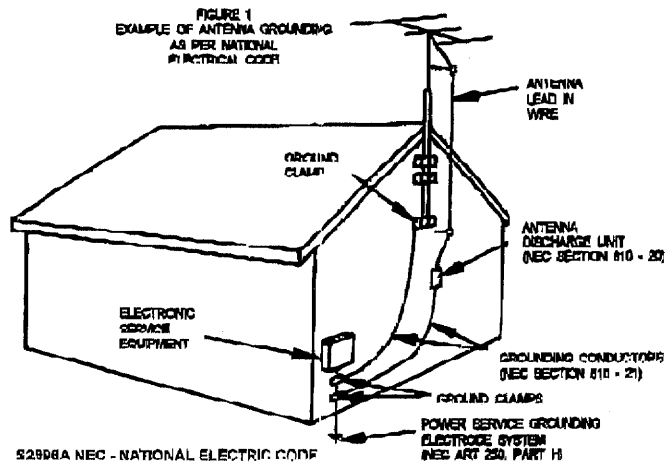
**THE IMPORTANT SAFETY INSTRUCTIONS SHALL INCLUDE, AS APPLICABLE TO THE APPLIANCE, STATEMENTS THAT CONVEY TO THE USER THE INFORMATION ITEMIZED IN THIS PARAGRAPH:**

1. Read instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow instructions - All operation and use instructions should be followed.
5. Water and Moisture - The appliance should not be used near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.  
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
7. Wall and Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power-Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the appliance.
13. Protective Attachment Plug - The appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.



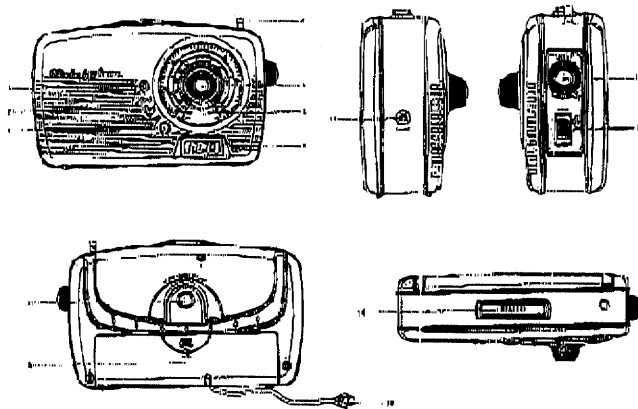
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- 14. **Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
- 15. **Power Lines** - An outdoor antenna should be located away from power lines.
- 16. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure 1.



- 17. **Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 18. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- 19. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
- 20. **Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

## FUNCTIONS AND CONTROLS



1. WEATHER BAND BUTTON
2. TELESCOPIC ANTENNA
3. WEATHER BAND FINE TUNING
4. BATTERY AND AC CORD COMPARTMENT
5. CARRYING HANDLE
6. VOLUME/POWER ON/OFF
7. HEADPHONE JACK
8. SPEAKER
9. CLOCK MODE BUTTON
10. BACK LIGHT BUTTON
11. CLOCK SET BUTTON
12. LCD CLOCK
13. TUNING CONTROL
14. DIAL POINTER
15. BAND (AM/TV1-FM/TV2) SELECTOR

## UNPACKING AND SET UP

- Carefully remove the unit from the carton. Remove all packing materials from the unit.
- Please save the carton and packing materials in the event that your unit ever needs to be returned for service. The original carton and packing materials are the only way to protect the unit from damage during shipment.

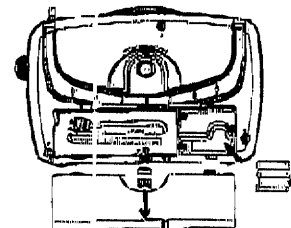
## POWER SOURCES

This multi-band receiver operates on standard household 120VAC/60Hz outlet power or on optional battery power. 4 'AA' size (UM-3) batteries (3 batteries for the radio and 1 for clock, not included)

## AC OPERATION

The AC cord is permanently attached to the unit and is stored inside the battery compartment. Do not try to detach the AC cord from the unit.

- Turn the unit over and remove the battery door. The AC cord should be taken from its storage compartment and fully extended.
- The battery door is "notched" to allow the cord to pass through when the door is reattached. Place the cord so that it is in the "notch" at the bottom of the battery compartment.



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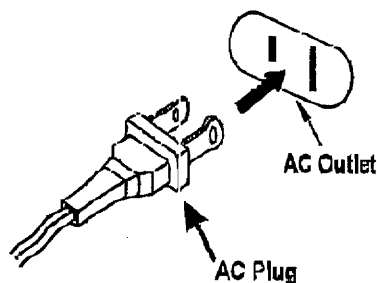
- With the cord resting in the "notch" replace the battery compartment door.
- Turn the unit right side up and connect the AC cord to any convenient 120V 60Hz AC outlet.

When the AC power cord is connected to a standard household wall outlet with 120VAC/60Hz current, the unit will automatically disconnect the batteries and operate only on AC Power.

**IMPORTANT:**

- When you plan to operate the unit on batteries and carry it around with you, be sure to re-fold the AC cord and return it to its built in storage compartment. Do not allow the cord to dangle out of the unit while you are carrying it around as a portable.

This unit has a polarized AC plug with one wide blade and one narrow blade. This plug will only fit into a matching polarized AC outlet. This is a safety feature to reduce the possibility of electric shock. If this plug will not fit in your AC outlet, you probably have an outdated non-polarized outlet. You should have your out-dated outlet changed by a qualified, licensed electrician. Do not file the wide blade on the plug, or use an adaptor to make the plug fit onto your outlet. This defeats the safety feature and could expose you to electric shock.



**BATTERY INSTALLATION**

1. Open the battery compartment door, following the polarity diagram shown in the battery compartment, install 4 'AA' batteries. Replace the battery door.

**IMPORTANT:** Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.

2. Use only the size and type of batteries specified.
3. For better performance and longer operating time, we recommend the use of alkaline-type batteries.
4. Do not mix old and new batteries.
5. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
6. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit.
7. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions).
8. Do not dispose of batteries in fire, batteries may leak or explode.

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## CLOCK OPERATION

### SETTING DATE AND TIME

#### Note:

- i. When you first install or replace a battery, the clock display will show "12:00"
- ii. The Month and Date are displayed numerically (MM/DD). For example February 28 is displayed as "2 28".

In normal time display mode, adjust the date and time as follows.

1. Press Mode Button (# 3) twice until the MONTH digits are displayed.
2. Press Set Button (# 1) repeatedly until the correct month is obtained.
3. Press Mode Button (# 3) once. The DATE digits are displayed.
4. Press Set Button (# 1) repeatedly until the correct date is obtained.
5. Press Mode Button (# 3) once until the HOUR with the AM/PM indicator digits are displayed.
6. Press Set Button (# 1) repeatedly until the correct hour is obtained.
7. Press Mode Button (# 3) once until the MINUTE digits are displayed.
8. Press Set Button (# 1) repeatedly until the correct minute is obtained.
9. Press Mode Button (# 3) once to finish setting.
10. Press Set Button (# 1) to start running the clock from the new date and time. The colons between the hour and minute digits will flash.

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1: P

12:

:30

12:30

### VIEWING THE DATE

In current time mode, press SET Button (# 1) once. The CLOCK Display (# 7) will show the MONTH and DATE momentarily and resume showing the current time.

### DISPLAY LIGHT

To view the time in low-light conditions, press the LIGHT Button (#2) once. The display will light for a few seconds and then turn off automatically.

## RADIO RECEPTION

### AM/TV1-FM/TV2 RECEPTION

1. Turn the unit on by rotating the VOLUME CONTROL (# 12) clockwise.
2. Slide the BAND SELECTOR (# 13) to select AM, TV1-FM or TV2 band as desired.
3. Turn the TUNING CONTROL (# 5) for the desired station and adjust the volume using the VOLUME CONTROL (# 12).
4. The Telescopic Antenna (#4) should be fully extended for the best reception. When playing AM stations, try turning the unit slowly until the best reception is obtained.
5. To turn the radio off, rotating the VOLUME CONTROL (# 12) counter clockwise until a "click" is heard.

### WEATHER BAND RECEPTION

This radio receives continuous U.S. Government Weather Broadcast from the Nation Oceanic and Atmospheric Administration (NOAA), part of the Department of Commerce. This National Weather Radio service includes more than 750 transmitters covering all 50 states and adjacent waters, Puerto Rico, the U.S. Virgin Islands, and the U.S. Pacific Territories. The weather broadcasts are transmitted on seven separate bands from 162.400 MHz to 162.550 MHz.

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**To hear the weather reports,**

1. Press the WEATHER BAND Button (# 14) on the top cabinet at any time. If you were listening to another band the radio will automatically switch to the WEATHER BAND.
2. If you do not hear the weather reports when you press the WEATHER Button (#14) very slowly rotate the WEATHER BAND FINE TUNING CONTROL (# 8) on the back cabinet of the radio until you are receiving the frequency of the National Weather Radio transmitter that is broadcasting in your area.  
**Note:** You only need to adjust for the station for one time, unless you move to a different area. In that case you might have to adjust the WEATHER BAND FINE TUNING CONTROL again.
3. The volume level is fixed at optimum listening level. In order to increase or decrease the volume, turn the VOLUME CONTROL up or down.  
**Note:** Since the National Weather Radio transmitters operate at much lower power than commercial radio stations, the volume on the WEATHER BAND will be lower than for AM/FM or TV bands. This is normal and not an indication of any trouble with your unit. Adjust the volume when listening to the WEATHER BAND if necessary.
4. To turn the unit off press the WEATHER BAND Button (# 14) again and turn the VOLUME CONTROL counter clockwise until it clicks if required.

**USING HEADPHONES (NOT INCLUDED)**

Inserting the plug of your headphones into the Headphone Jack (# 11) will enable you to listen to the CD and Radio in private. When using headphones, the Speakers will be disconnected automatically (headphone not included).

**READ THIS IMPORTANT INFORMATION BEFORE USING YOUR HEADPHONES**

1. Avoid extended play at very high volume as it may impair your hearing.
2. If you experience ringing in your ears, reduce the volume or shut off your unit.
3. Do not use while driving a motorized vehicle. This is dangerous and also illegal in some states.
4. Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds. Please note excessively high volume may still block outside sounds.

**COMPLIANCE WITH FCC REGULATIONS**

This equipment has been tested and found to comply with the limits for a Radio Receiver, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio technician for help.

"NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment."

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**CARE AND MAINTENANCE**

1. Clean the unit with a soft, damp (never wet) cloth. Solvent or detergent should never be used.
2. Avoid operating your unit under direct sunlight or in hot, humid or dusty places.
3. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
4. For better Clock Display clarity, avoid operating the unit under direct sunlight or in strong room illumination.
5. Unplug the unit from the electrical power outlet immediately in case of malfunction.

**SERVICE**

Please refer to the Instructions on the enclosed warranty card for returning your unit for service. When returning the unit, please remove batteries to prevent damage to the unit in transit and/or from possible battery leakage. We are not responsible for batteries returned with the product or for the cost of replacement.

*Distributed by:*

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Chicago, Illinois 60634, U.S.A.*

*Please have model number ready, for Customer Service, call 1-800-777-5331*

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## IMPORTANT NOTES


- Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as electric heaters, on top of other stereo equipment that radiates too much heat, places lacking ventilation or dusty areas, places subject to constant vibration and/or humid or moist areas.
- Operate controls and switches as described in the manual.
- Before turning on the power, make certain that the power cord is properly installed.
- When moving the set, be sure to first disconnect the AC power cord.

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### FCC INFORMATION



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:



- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.