

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DO NOT REMOVE COVER. PILOT LAMPS SOLDERED IN PLACE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

 <p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.</p>	<p>CAUTION RISK OF ELECTRIC SHOCK</p> <p>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.</p>	 <p>The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
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	<p>CAUTION <i>For Compact Disc Units Only:</i> INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO LASER BEAM.</p>
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SPECIFICATION

FREQUENCY RANGE	: AM 520 - 1710 KHz
	: FM 87.9 - 107.9 MHz
POWER SOURCE	: AC ADAPTOR INPUT : AC 120V / 60Hz
	: OURPUT : DC 12V 1.0A
ANTENNAS	: BUILT-IN FERRITE BAR FOR AM
	: BUILT-IN ANTENNA FOR FM
PHONO SPEED CONTROL	: 33/45/78RPM
POWER CONSUMPTION	: 18 W
SPEAKERS	: 4 INCH 8 OHM X 2

*DESIGN AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

910-213500-001

IMPORTANT SAFETY INSTRUCTION

PLEASE READ CAREFULLY ALL THE FOLLOWING IMPORTANT SAFEGUARDS THAT ARE APPLICABLE TO YOUR EQUIPMENT

- Read Instructions - All the safety and operating instructions should be read before the product is operated.
- Retain instructions - The safety and operating instructions should be retained for future reference.
- Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
- Follow instructions - All instructions should be followed.
- Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- Power Sources - This product should be operated only from the type of power source indicated on the marking label, if you are not sure of the type of power supply to your home. Consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- Grounding or Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet by reversing the plug, if the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 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 product.
- Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- Overloading - Do not connect wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power-supply cord or plug is damaged.
 - If liquid has been spilled, or objects have fallen into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - If the product has been dropped or damaged in any way.
 - If the product exhibits a distinct change in performance - this indicates a need for service.
- Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- Wall or ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

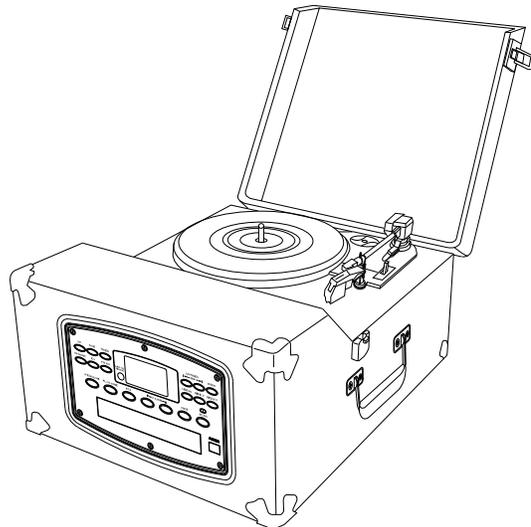
WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

GROSLEY®

PORTABLE VINYL TURNTABLE CD/RADIO



MODEL: CR 54 CD INSTRUCTION MANUAL

POWER SOURCE

Connect the AC adaptor between the unit and the power outlet

UNPACKING THE TURNTABLE

- Carefully remove unit from it's package and take it out of the plastic bag.
- Open lid and remove black tie-wrap and gently sliding out from under tone arm.
- Remove cardboard shipper.
- Remove white protective needle cover by gently pulling towards front of unit.

TURNTABLE OPERATION

Press the unit on by switching the POWER (13) located on the front panel to the ON position.

- Press the PHONO (2) to set the PHONO mode.
- Set the SPEED CONTROL SWITCH (29) to desired speed (33/45 or 78 rpm). Place the record on the turntable.
- Adjust the Volume switch (21/22) set at the mid range.
- Pull the TONE ARM (28) slightly to the right side until hear the "click" sound to activate the turntable.
- Move the tone arm by hand out over the record and slowly lower it. Re adjust the VOLUME control (21/22) to the desire level.
- At the end of the record, the tone arm will stop automatically by the center and return to the armrest manually.

Accessory: ADAPTER FOR 45RPM

TO PLAY THE 45RPM RECORD, PLACE THE ADAPTER (27) ON THE SPINDLE(26).

BASIC OPERATION ELECTRONIC VOLUME CONTROL

- Press "VOL-DOWN"(21) to reduce the volume, the volume level will be shown in the LCD panel.
- Holding down the button will result in continuous decrease of the volume.
- Press "VOL-UP"(22) will have an opposite result, it is similar to the case of pressing "VOL-DOWN"(21).



USE THE FUNCTION BUTTON TO SELECT THE DESIRED MODE.

- Pressing "CD" (1) key to set the CD mode, the TOC reading starts and will be displayed after finish.
 - CD TOC reading display: ---
 - After reading display: 455499
- Pressing "TUNER" (3) key to set the tuner mode, and the receiving tuning frequency will be shown.
 - Receiving tuning frequency display: 87.50
- Pressing "PHONO" key to set the PHONO mode. The "LINE" will be displayed.
 - Phono display: LINE

EQUALIZER FUNCTION

Manual or Preset Equalizer can be selected by proper Jumper Setting mentioned on section 5. If Preset Equalizer is selected, press "EQ" (16) key results in the following changes.

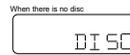


CD FUNCTION POWER ON

Switch on the power and press the "CD" (1) key to select the CD mode. When the lid or tray is closed, reading TOC will start.



If there is no CD inside, a "DISC" display will appear.



B) DRAWER TYPE

Press the "OPEN/CLOSE" (18) key one time to open the tray.

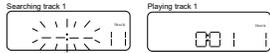


Put a disc inside and then press the "OPEN/CLOSE" (18) key one time to close the tray. After that, reading TOC will start.



TO PLAY THE DISC

Press "PLAY/PAUSE"(19) to play the CD
(After reading TOC, the disc can start to play anytime.)



TO PAUSE THE PLAYING

Press "PLAY/PAUSE" (19) during the disc is playing, the playing time will flash. One more press the "PLAY/PAUSE" (19) key will cancel the pause condition.



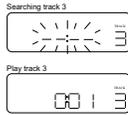
TO STOP THE DISC

Press "STOP"(20) key



TO SPECIFY A TRACK TO PLAY

a) Press "UP/F-SKIP"(7) or "DOWN/B-SKIP"(6) to choose a desired track. (Example: The 3rd track)
Each press will change the track number by one.
b) If the CD is stop and the "PLAY/PAUSE"(19) key is pressed, the CD will start to play from track 3. If the CD is playing, several seconds after "UP/F-SKIP" (7) or "DOWN/B-SKIP" (6) is released, the CD will start to play from track 3.



(During the CD playing condition, holding down the button will result in fast forward search or fast backward search.)

FAST FORWARD AND FAST BACKWARD

Hold down the "UP/F-SKIP" (7) or "DOWN/B-SKIP" (6) button during play. When the button is held down, there will be a continuous change of CD track's position. This change of position can be performed even during pause.

TO CHECK THE REMAINING TIME OF THE DISC

Press "REMAIN" (12) one time during the disc is playing, then the display will show the remaining time of the entire disc.
If press two more times of the keys, the display will return to the original condition.



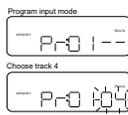
REPEAT PLAYING

Press "REPEAT"(9) key one time, "ONE-TRACK REPEAT" will be active.
With one more, "ALL-TRACK REPEAT" will be active.
With one further press, the repeat mode is cancelled.



PROGRAM PLAYING

a) In CD mode, Press "MEMORY"(10) key one time.
b) Specify a track to play with "UP/F-SKIP"(7) or "DOWN/B-SKIP"(6). (This can also be done with the numerical keypad in the remote control.)



c) Pressing "MEMORY" (10) one time, then track 4 is stored into the program 1 position. Step (a) to (C) can be used to store up to 16 tracks into the program or modified the existing program.



d) Pressing "PLAY/PAUSE"(19) key to play the program.



e) Press "STOP" (20) when you wish to stop the play.

NOTE: If the program is already exist, press the "MEMORY" and then press the "PLAY/PAUSE"(19) key, the program play will start. The program will be cleared when the tray is opened or when the lid is opened.

CLEAR THE PROGRAM

Pressing the "MEMORY"(10) key one time and then press the "STOP" (20) key, the preset programs will be cancelled.

INTRO PLAY FUNCTION

a) During the stop condition, pressing the "INTRO"(8) key to start the intro playing. After that the first 10 seconds of each song will be played.
b) If the "INTRO" (8) key is pressed again, the CD will change to the normal playing mode.



RANDOM PLAY FUNCTION

A) Press "RANDOM" (17) key during CD playing or stop condition. (Press once again will cancel the function)



B) If the CD is under stop condition, press the "PLAY/PAUSE" (19) key to start the random playing.



C) If the CD is playing, the random playing will start in next song.



Note: Once the CD program is set, the random function can not be activated before the program is cleared.

TUNER FUNCTION

Note: The type of reception bands, the frequency step, and the upper and lower limits of the receiving frequency are depended on the specifications of different area.

AUTO SEARCHING A STATION

During the tuner mode, press "TUNER"(3) to select the desired reception band.
Press "UP/F-SKIP"(7) or "DOWN/B-SKIP"(6) key, and then release the button when the fast scanning start. The frequency will continue to change and will automatically stop when a broadcast station is received.



NOTE: If the "UP/F-SKIP"(7) or "DOWN/B-SKIP"(6) key is pressed during auto searching, the searching will stop at that point. When the frequency display pass through the upper limit or the lower limit, it will automatically changes to the lower or the upper limit, respectively.

MANUAL SEARCH A STATION TO RECEIVE A WEAK BROADCAST SIGNAL

Press the "UP/F-SKIP"(7) or "DOWN/B-SKIP"(6) button by one press at a time to adjust the frequency that you wish to receive.

FM STEREO BROADCAST RECEPTION

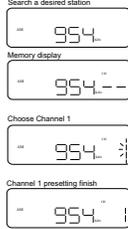
"STEREO" display will light when a stereo broadcasting station is receiver.



PRESETTING METHOD

20 broadcast stations of FM band and 12 stations of AM band can be stored to the preset memory.

a) During tuner mode, by using the auto search or manual search methods to find a desired broadcasting station or any desired frequency.
b) Press "MEMORY"(10) key to make the channel display "___" appear.
c) Press "REPEAT=(PRESET)" key to choose the desired channel.
d) press "MEMORY"(10) again, then the desired station is stored in channel 1.
e) Repeat steps (a) to (d) for storing the various broadcast station to other channels or modifying the present channel.
f) To change the broadcast station of a certain channel to a different channel (Example: Change the 1422 kHz broadcast station from channel 6 to channel 8)



Press the "REPEAT=(PRESET)" key or the numerical key to call the broadcast station of the channel that you wish to change. (EXAMPLE: Channel 6)



Press "MEMORY" (10) key to the presetting mode and the channel display "___" appear.



Press "REPEAT=(PRESET)" to change the channel (EXAMPLE: Channel 6 to Channel 8)



Press the "MEMORY"(10) once more, 1422kHz is set to channel 8.



NOTE: The original memory of channel 6 will not be change during above operations.

LOCATION OF PARTS

- 1) CD
- 2) PHONO
- 3) TUNER
- 4) SENSOR
- 5) LCD DISPLAY
- 6) CD / TUNER-BACKWARD SKIP
- 7) CD / TUNER-FORWARD SKIP
- 8) INTRO
- 9) REPEAT=(PRESET)
- 10) MEMORY
- 11) STAND BY INDICATOR
- 12) REMAIN
- 13) POWER
- 14) CD DOOR
- 15) MONO / ST.
- 16) EQ
- 17) RANDOM
- 18) OPEN/CLOSE
- 19) PLAY/PAUSE
- 20) STOP
- 21) VOLUME DOWN
- 22) VOLUME UP
- 23) MUTE
- 24) STAND BY
- 25) TURN/TABLE
- 26) SPINDLE
- 27) ADAPTER FOR 45 RPM RECORDS
- 28) TONE ARM
- 29) SPEED CONTROL SWITCH
- 30) ARM REST
- 31) ADAPTOR JACK
- 32) SPEAKER
- <Remote Control Function key>
- 33) OPEN/CLOSE
- 34) PHONO
- 35) 3
- 36) 2
- 37) 6
- 38) 5
- 39) 9
- 40) 8
- 41) EQ
- 42) 10+
- 43) SKIP BACKWARD
- 44) SKIP FORWARD
- 45) MEMORY
- 46) REPEAT
- 47) VOLUME UP
- 48) VOLUME DOWN
- 49) POWER STAND BY
- 50) MUTE
- 51) CD
- 52) TUNER/BAND
- 53) 1
- 54) 4
- 55) 7
- 56) 9
- 57) PLAY/PAUSE
- 58) STOP

