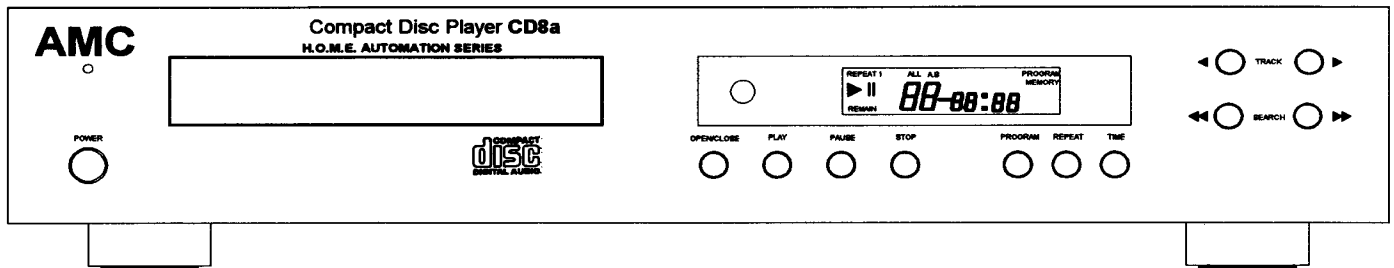


# AMC CD8a

## COMPACT DISC PLAYER



### INSTRUCTIONS FOR INSTALLATION AND OPERATION



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.



AFIN DE VITER UN CHOC ELECTRIQUE ET LES CONSEQUENCES GRAVES QUI POURRAIENT EN RESULTER, TENEZ PAS D'OUVRIR L'APPAREIL ET DE TOUCHER AUX COMPOSANTS INTERNES SANS LA PRESENCE D'UNE PERSONNE QUALIFIEE.



PARA REDUCIR EL RIESGO DE SACUDIDAS ELECTRICAS, NO DEBERA QUITARSE LA TAPA (NI PARTE POSTERIOR). CONSULTESE AL PERSONAL CAPACITADO PARA LAS REPARACIONES INTERNAS.

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

**ADVERTENCIA:** PARA EVITAR EL RIESGO DE INCENDIO O SACUDIDA ELECTRICA, NO DEBERA EXPONERSE ESTE APARATO A LA LLUVIA O HUMEDAD.

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARISED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

**ATTENTION:** POUR PREVENIR LES CHOCES ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SILES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

**PRECAUCION:** PARA EVITAR SACUDIDAS ELECTRICAS, NO DEBERA UTILIZARSE ESTA CLAVIJA POLARIZADA CON UN CORDON DE PROLONGACION, RECEPTACULO U OTRO TIPO DE SALIDA A MENOS QUE SE HAYAN INSERTASO COMPLETAMENTE LAS LENGÜETAS PARA EVITAR SU EXPOSICION.

**NOTE:** Some AMC products are equipped with dual or multi-voltage transformers (which is indicated on the back panel). If you wish to change the voltage, please bring your unit to an authorised AMC service technician for internal conversion.

**ATTENTION:** Quelques pièces AMC sont munies de transformateurs à double ou à multi-voltage (indiqué au panneau arrière). Si vous voulez changer le voltage, veuillez apporter votre appareil au fournisseur de AMC pour le transformer.

**ZUR BEACHTUNG:** Einige AMC Geräte sind mit Umschaltern für unterschiedliche Netzspannungen ausgerüstet (Ein Vermerk auf der Rückseite weist darauf hin).

Die Anpassung, wenn notwendig, muß von einem qualifizieren Techniker in einer AMC Servicestation vorgenommen werden.

**NOTA:** Ciertos componentes de AMC están dotados de transformadores de doble tensión o de varias tensiones (lo que se indica en el panel posterior). Si se desea cambiar la tensión, sírvanse llevar el aparato a un técnico autorizado por AMC para su conversión interna.

**NOTE to CATV systems installer:** This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**NOTA PARA EL INSTALADOR DE ANTENAS DE TELEVISION COLECTIVAS:** La presente advertencia se provee para llamar la atención del instalador al Artículo 820-22 de NEC (Código Eléctrico Nacional) donde se facilitan las directrices para la pertinente puesta a tierra y que especifica en particular que el conductor a tierra del cable debe conectarse al sistema de conexión a tierra del edificio, lo más proximo posible al punto de entrada del cable.



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# CAUTION

WARNING! INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

VORSICHT! UNSICHTBARE LASERSTRAHLEN TRITTS AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITVERRIEGELUNG ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZEN.

ADVARSEL - USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

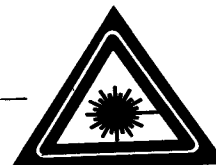
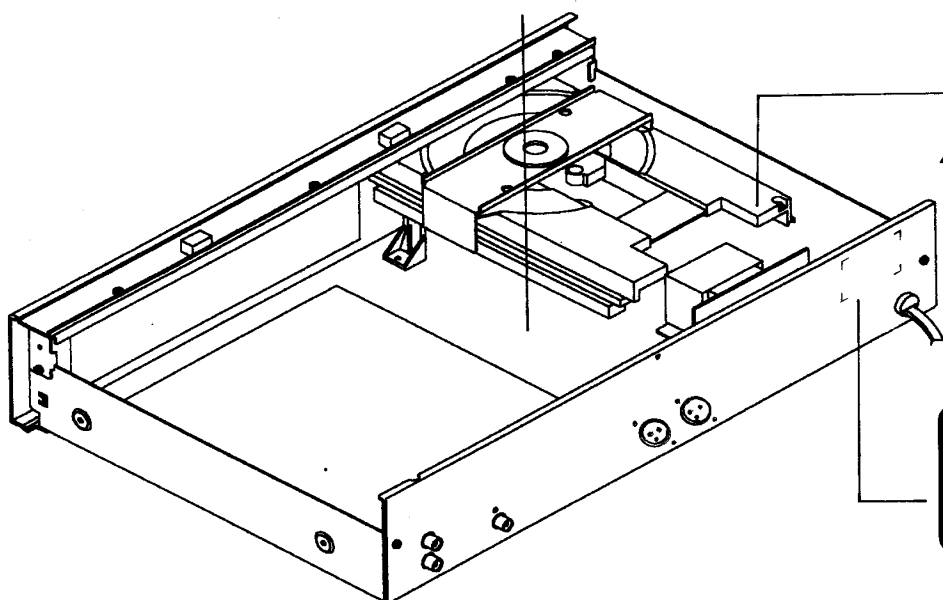
ADVARSEL - USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.

VARNING - OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD OCH SPÅRRÅR ÅR URKÖPPLADE. STRÅLEN ÅR FARLIG.

VARO! - AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNNÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

## SERVICE SAFETY PRECAUTIONS (UL)

1. Use exact replacement parts for critical locations, marked "▲".
2. Return lead dress to original position, and re install protective covers.
3. Before returning to customer, test for shock hazard; use either method A or B:
  - A. Leakage test, "cold":
    1. Unplug AC cord; turn power switch ON.
    2. Connect one lead of High Voltage Insulation Tester to both prongs of AC plug.
    3. Touch other lead to all exposed metal parts.
    4. Impedance measurement must be 0.3 - 5.0 Megohms.
  - B. Leakage test, "live":
    1. Plug unit directly into AC outlet; do not use isolation transformer.
    2. Connect one lead of Leakage Current Tester to earth ground.
    3. Touch other lead to all exposed metal parts.
    4. Leakage measurement must be less than 0.5 milliamps.



CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERPLAITE  
KLASS 1 LASERAPPARAT

**CAUTION:** FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE OF T800mA/250V FUSES.

**ATTENTION:** POUR MAINTENIR PROTECTION CONTRE RISQUE D'INCENDIE, UTILISER LES FUSIBLES DE RECHANGE DE MEME TYPE DE T800mA/250V.

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

LE PRESENT APPAREIL NUMVERIQUE N'EMET PAS DE BRUITS RADIOELECTRIQUES DEPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMERIQUE DE LA CLASSE B PRESCRITES DANS LE REGLEMENT SUR LE BROUILLAGE RADIO ELECTRIQUE EDICTE PAR LE MINISTERE DES COMMUNICATIONS DU CANADA.

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 UNDESIRE OPERATION.

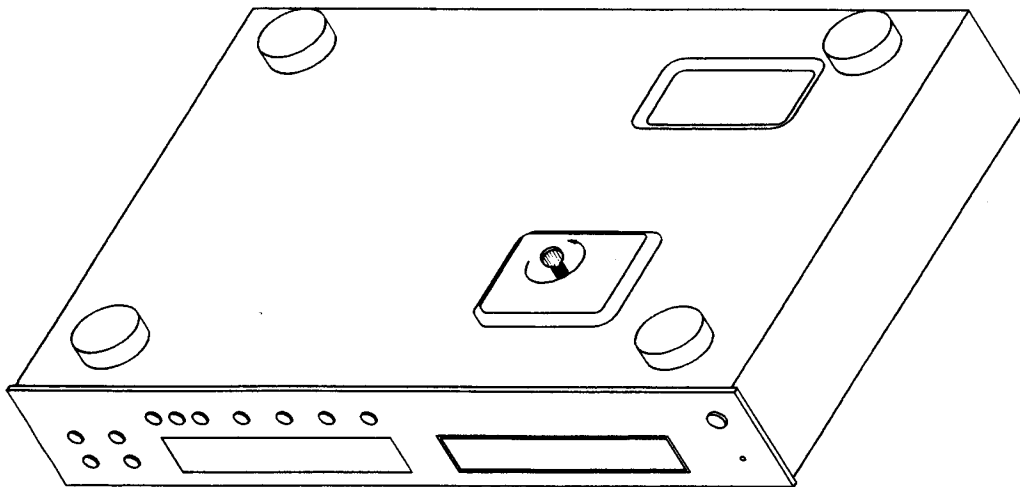
## APPLICATIONS AND FEATURE LIST

- \* The AMC model CD8a was designed to meet professional quality standards with affordable price.
- \* The highest grade of components are used throughout with critical components selected for their sonic performance.
- \* The AMC CD8a provides an accurately calibrated output level in accordance with the EIA (Electronic Industries Association) recommended standard of 2 volts. This output level provides the best possible performance particularly for home theater users.
- \* The superior performance of the AMC CD8a will provide not only improved technical specifications to your system, it will also significantly upgrade its sonic quality.
- \* The AMC CD8a is designed with balanced MASH "one-bit" high resolution digital to analogue converter module and advanced AMC analogue filter module. AMC modules with advanced technology offer superb sound quality.
- \* Low noise balanced output alleviates ground loop problems.
- \* Full function remote control with direct track access to allow for direct track access.
- \* Digital output socket for using CD8a as high quality affordable CD transport.
- \* Play 3-inch discs without adaptor.
- \* 21 tracks programmable.

## TRANSIT SCREW

Before plugging into the power socket, remove the transit screw, located on the underside. Keep this screw in a safe place for future use.

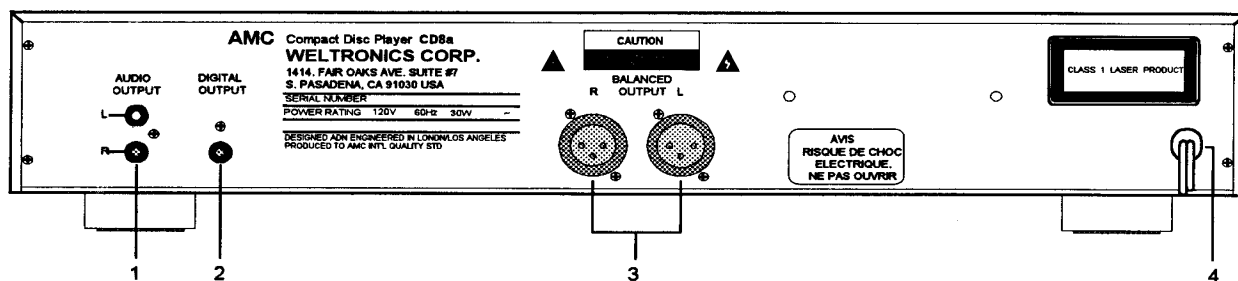
### TRANSIT SCREW REMOVAL DIAGRAM



Turn the screw anti-clockwise (as per diagram).  
Remove and keep for future use.

# REAR PANEL CONNECTIONS/FRONT PANEL CONTROLS

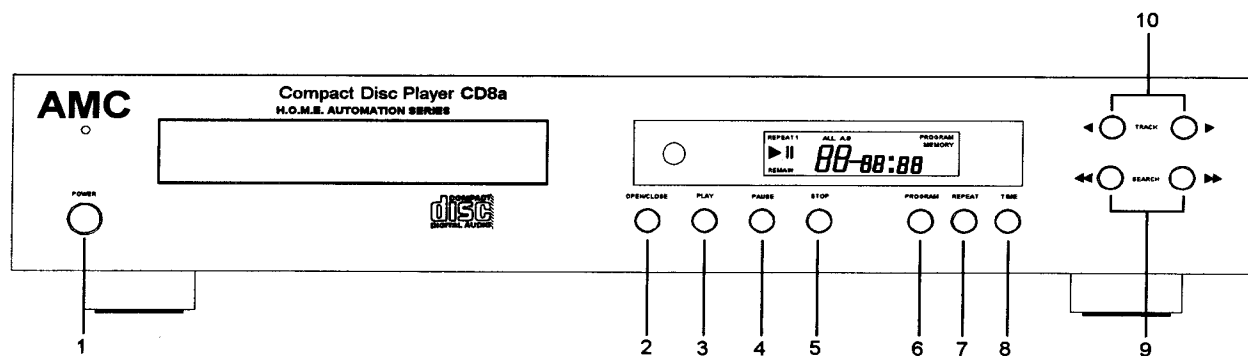
## REAR PANEL



- 1. AUDIO OUTPUT
- 2. DIGITAL OUTPUT

- 3. BALANCED OUTPUT
- 4. AC LINE CORD

## FRONT PANEL



- 1. POWER SWITCH
- 2. OPEN/CLOSE
- 3. PLAY
- 4. PAUSE
- 5. STOP

- 6. PROGRAM
- 7. REPEAT
- 8. TIME
- 9. SEARCH
- 10. TRACK

## REAR PANEL CONNECTIONS

### 1. AUDIO OUTPUT

Left and right channel analog audio outputs.

### 2. DIGITAL OUTPUT

Coaxial cable digital output.

### 3. BALANCED OUTPUT

The AMC CD8a is supplied with two XLR jacks for connection to the input of your pre-amplifier.

### 4. AC LINE CORD

Plug the AC line cord into a switched outlet on your amplifier or into any AC wall outlet that provides the correct power-line voltage.

## FRONT PANEL CONTROLS

### 1. POWER SWITCH

The CD player is turned on by pressing the power switch. The small indicator above the switch will glow green.

### 2. OPEN/CLOSE

Press to open tray. Next press closes tray.

### 3. PLAY

Press to play.

### 4. PAUSE

Press to pause during play. Next press resumes play.

### 5. STOP

Press to stop.

### 6. PROGRAM

The memory circuit allows programmed playback of up to 21 tracks in any desired order. Enter your desired track sequence in the memory as follows.

- a) Press PROGRAM. The MEMORY indicator will illuminate. The displayed track number is "00" and the time display indicates "P:01" meaning that the player is awaiting the first program entry.
- b) Use the TRACK buttons to select the first track in your planned sequence. NOTE: In the memory entry mode a "wrap-around" function is in effect: if you TRACK back "◀" repeatedly from track "00", the number counts down from the final track on the disc. This provides a convenient way to select high-numbered tracks.
- c) Press PROGRAM to store the selected track

number in memory. The track number will revert to "00" and the time display will advance to "P:02", showing that the player is ready for your second entry.

- d) Repeat steps b and c, TRACK and PROGRAM, to select and store other track numbers in memory, up to a maximum of 21 entries.
  - e) At any point during the program-entry process, pressing and holding the TIME button on the player will display the total playing time of the program.
  - f) If you want to review your program entries, press PROGRAM repeatedly to cycle the display through them. When the displayed track number retruns to "00" you can enter additional tracks in the memory by repeating steps b and c.
  - g) To play the stored program, press PROGRAM followed by PLAY. The word PROGRAM will appear in upper-right corner of the display, indicating that a stored program is being played. During program paly the TRACK buttons will access only the tracks in the program list. So if you want to play only a portion of a stored program, initiate play and press TRACK "◀" to jump over the programmed tracks that you don't want to hear.
  - h) To terminate program play, press STOP. The TRACK and SEARCH buttons will now access any track on the disc. However the stored track list remains in memory; if you want to play the program again, simply press PROGRAM followed by PLAY. If you want to add new tracks to the program, press PROGRAM repeatedly to review the list until the track number shows "00".
  - i) To clear the program memory, press OPEN / CLOSE to open the drawer, or switch off the POWER.
- ### 7. REPEAT
- This button engages two different endless repeating cycles. Press the REPEAT button once to select the "repeat current track only" mode. The word REPEAT 1 will appear on the display. The selected track will be repeated endlessly until the STOP button is pressed. If the REPEAT button is pressed a second time it will select the mode in which the entire disc is repeated from beginning to end, over and over

# REMOTE CONTROL RC-CD8

again. The word REPEAT ALL will appear continuously on the display. If the REPEAT button is pressed a third time, or the STOP button is pressed, the REPEAT mode will be cancelled and the display and operation will return to normal.

## 8. TIME

The TIME button cycles the time display through three modes, as follows:

**TIME:** The elapsed time since the beginning of the current track, in minutes and seconds. (This is the "default" setting, selected automatically when the player is turned on.)

**REMAIN (Track number displayed):** The playing time that remains until the end of the current track.

**REMAIN (Track number blank):** The total playing time that remains till the end of the disc. During program play the remaining time of the program is shown.

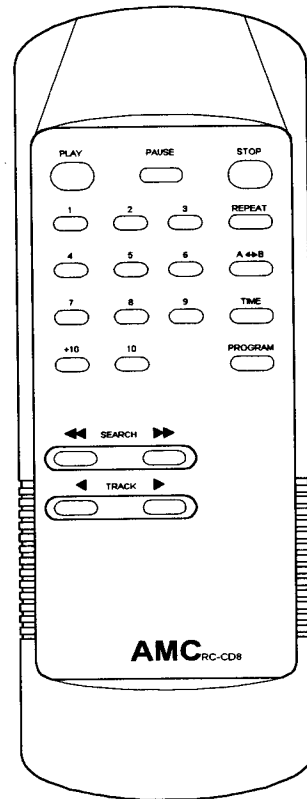
During program entry, the TIME button displays the total playing time of the tracks in the program.

## 9. SEARCH

Press and hold to SEARCH to desired starting point.

## 10. TRACK

Press TRACK to desired track.



# SPECIFICATIONS

## AUDIO OUTPUT (at 1KHz, unless otherwise stated):

Disc capacity.....	Single disc, 120 or 80 mm
Programming capability.....	16 Tracks
Digital to analogue conversion.....	MASH, 18-bit resolution
Digital filter.....	4 Times over-sampled, linear phase with 18-bit coefficients
Analogue filter.....	5-Pole active
Frequency response 5Hz-20KHz.....	0/-0.5 dB
De-Emphasis error.....	< +/-0.3 dB
Linearity.....	+/-0.5 dB; 0 to -90 dB
Channel separation 1KHz.....	> 100 dB
10KHz.....	> 90 dB
S/N ratio, de-emphasis off.....	107 dB
de-emphasis on.....	110 dB
(A-weighted, measured with all zeros test disc)	
Dynamic range.....	> 98 dB
THD (at 0dB, 1KHz).....	< 0.002 %
Intermodulation distortion (19 & 20KHz).....	< -100 dB
Output impedance.....	56 ohm
Output level at 0dB.....	2.2 Vrms
Digital error correction.....	CIRC with double error correction in C1 and C2
Wow and flutter.....	Unmeasurable (Quartz crystal accuracy)
Remote control unit.....	Full-function including numeric keypad to allow for direct track access

## S/PDIF DIGITAL OUTPUT:

Output level.....	0.5 Vpp
Load impedance.....	75 ohm
Optical O/P (for noise free fibre optic link)	
Output power.....	20 dBm
Peak emission wave length.....	660 nm

## BALANCED OUTPUT:

Output level.....	2.2 Vrms
Output impedance.....	100 ohm
Channel imbalance.....	+/-0.5 dB
Phase linearity.....	+/-0.2 deg
CMRR @ 1KHz.....	> 80 dB

Dimensions (W x H x D).....	430 x 82 x 288 mm
Net weight.....	4.7 Kgs
Shipping weight (4 pieces).....	23.8 Kgs
Power consumption.....	30 W

# SAFETY INSTRUCTION

## 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 operating 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, etc.

## 6. CARTS AND STANDS

The appliance should be used only with a cart or stand that is recommended by the manufacturer.

### 6A.

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 OR CEILING MOUNTING

This equipment is not designed for use mounted on a wall or a ceiling.

## 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 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. 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.

## 12. CLEANING

The appliance should be cleaned only as recommended by the manufacturer.

## 13. NON USE PERIODS

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

## 14. OBJECT AND LIQUID ENTRY

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

## 15. 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.

## 16. DAMAGE REQUIRING SERVICE

The appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

## 17. POWER LINES (APPLIES TO TUNER AND RECEIVERS ONLY)

An outdoor antenna should be located away from power lines.

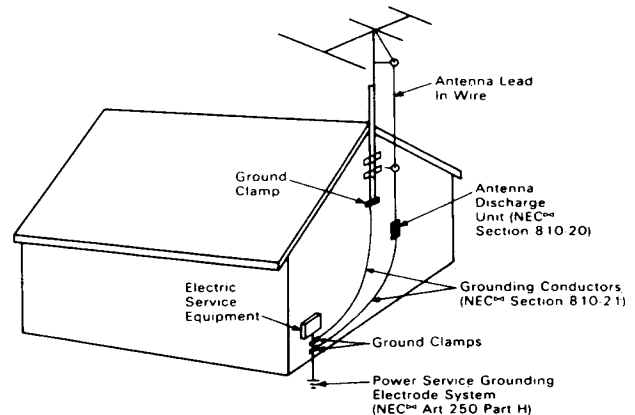
## 18. OUTDOOR ANTENNA GROUNDING (APPLIES TO TUNER AND RECEIVERS ONLY)

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.

- Use No. 10 AWG (5.3 mm<sup>2</sup>) copper, No. 8 AWG (8.4mm<sup>2</sup>) aluminum, No. 17 AWG (1.0mm<sup>2</sup>) copper-clad steel or bronze wire, or larger, as a ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4–6 feet (1.22–1.83 m) apart.
- Mount antenna discharge unit as close as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm<sup>2</sup>) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21(j).

Antenna Grounding According to the National Electrical Code



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