

AUDIOVOX

VIDEO CASSETTE PLAYER
DC OPERATION W/SPECIALIZED TAPE MECHANISM
DLC COATED VIDEO HEAD
BACKLIGHTING OF FUNCTION BUTTONS



AVP-7180 OPERATING INSTRUCTIONS

SPECIALLY DESIGNED FOR THE VAN, RV, MARINE
AND OTHER MOBILE APPLICATIONS



RECOMMENDED GUIDELINES FOR THE USE OF A VIDEO MONITOR/TV IN A MOTOR VEHICLE

- ◆ A VIDEO MONITOR/TV is designed for rear passenger viewing only. This product may only be installed in the rear seat compartment of the vehicle, out of the driver's view.
- ◆ Installation in any other area of the vehicle, including anywhere within the driver's view, is illegal in most states, provinces and countries and may lead to driver distraction resulting in an accident, injury and/or death. If you are unsure of regulations regarding this, please consult your local laws to determine how this applies to you.
- ◆ Users should be aware of the possible noise distraction caused by the use of the product and should carefully monitor the volume so as not to interfere with the drivers attention to surrounding traffic conditions.

TABLE OF CONTENTS



NOTE: This Video Cassette Player is compatible with any Video Cassette Player bearing the VHS mark. The VCP is designed to expand your opportunities for home viewing and not for any usage which might violate the copyright laws.

Save the original shipping carton and packing materials, they will come in handy if you ever have to ship your VCP. For maximum protection, repack the set as it was originally packed at the factory.

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DRAWING YOUR ATTENTION

Thank you for purchasing AUDIOVOX VCP, developed to provide advanced features and functions for high quality performance. To obtain best results and to avoid malfunction, PLEASE CAREFULLY READ THE DESCRIPTIONS AND OPERATING PROCEDURE CONTAINED IN THIS MANUAL PRIOR TO OPERATING THIS VCP.

| | | |
|--|---|---|
|  | CAUTION RISK OF SHOCKS ELECTRIC DO NOT OPEN |  |
| CAUTION: TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. | | |



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "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 to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance

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

AVERTISSEMENT: POUR PRÉVENIR LES RISQUES D'INCENDIE ET D'ÉLECTROCUTION, NE PAS EXPOSER CET APPAREIL À LA PLUIE.

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

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, NE PAS UTILISER CETTE FICHE (POLARISÉE) AVEC UN CORDON PROLONGEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES BROCHES PEUVENT ÊTRE INSÉRÉS À FOND SANS QU'AUCUNE PARTIE NE RESTE À DÉCOUVERT.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding. In particular, it 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.

NOTE:

This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide 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.

IMPORTANT SAFEGUARDS

For your protection, please read these safety instructions completely before operating the appliance, and keep this manual for future reference.

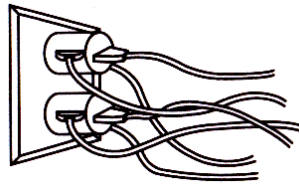
Carefully observe all warnings, precautions, and instructions on the appliance, or the ones described in the operating instructions and adhere to them.

USE

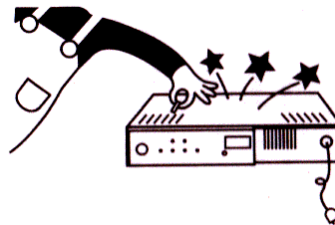
Power Sources-This set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supply at your home, consult your dealer or local power company. For these sets designed to operate from battery power, or other sources, refer to the operating instructions.



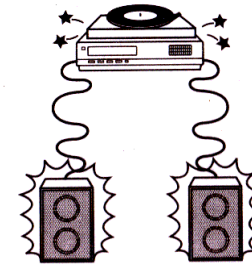
Overloading- Do not overload wall outlets, extension cords or convenience receptacle beyond their capacity, since this can result in fire or electric shock.



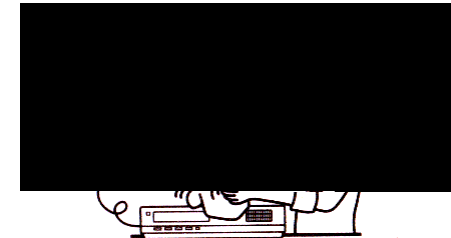
Object and Liquid Entry- Never push objects of any kind into the set through the openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the set.



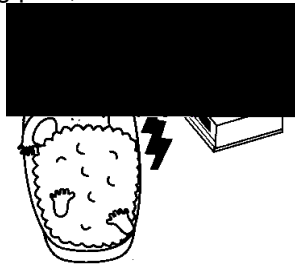
Attachments- Do not use attachments not recommended by the manufacturer, as they may cause hazards.



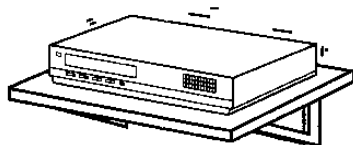
Cleaning- Unplug the set from the wall outlet before cleaning or polishing it. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the set.



Water and Moisture- Do not use power line operated sets near water- for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

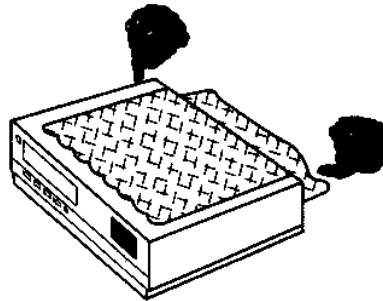


Accessories- Do not place the set on an unstable cart, stand, tripod, bracket, or table. The set may fall causing serious injury to a child or an adult, and serious damage to the set. Use only a cart stand, tripod, bracket, or table recommended by the manufacturer.

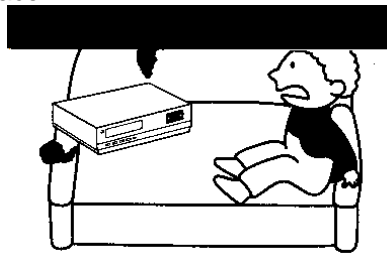


Ventilation- the slots and openings in the cabinet are provided for necessary ventilation. To ensure reliable operation of the set, and to protect it from overheating, these slots and openings must never be blocked or covered.

- Never cover the slots and openings with a cloth or other materials.



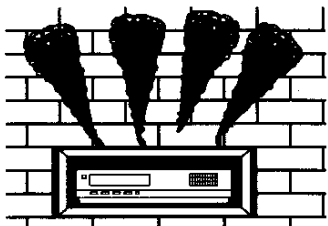
- Never block the slots and openings by placing the set on a bed, sofa, rug, or other similar surface.



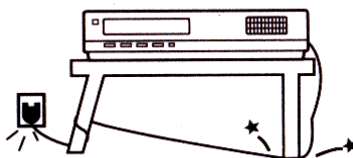
Portable Cart Warning- An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



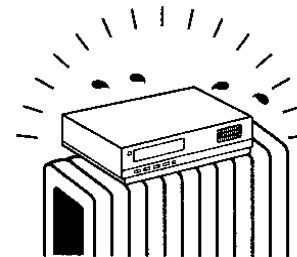
- Never place the set in a confined space such as a bookcase, or built-in cabinet unless proper ventilation is provided.



Power-Cord Protection- Route the power cord in order not to be walked on or pinched by items placed upon or against them, paying particular attention to the plugs, receptacles, and the point where the cord exits from the appliance.



- Do not place the set over a radiator or heat register, or where it is exposed to direct sunlight.

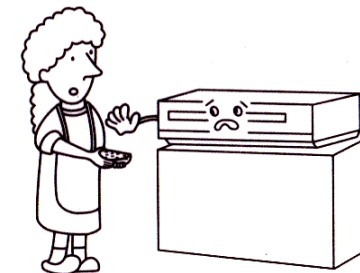
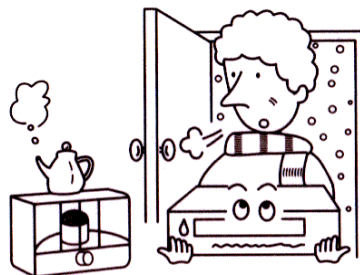
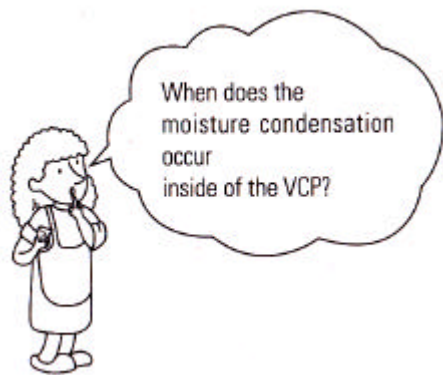


MOISTURE CONDENSATION

In normal temperature, if you pour a cold liquid into a glass, water vapor in the air will condense on the surface of the glass. This is moisture condensation. The moisture condensation may occur inside VCP's, if used in this condition, it will cause damage to the head and the tape.

If the VCP is moved from a cold place to heated place, or the temperature of the VCP's surroundings goes up due to room heat being switched on. Or if the VCP suddenly moved from an air conditioned room to place with a of high degree of humidity in summer. This may cause the dew indicator light to light up. Do not use the VCP in this condition.

When the moisture condensation occurs inside of the VCP, NEVER insert the cassette into the cassette compartment. Remove the cassette if loaded, by pressing the STOP/EJECT key. Only operate the VCP after moisture condensation has completely dried out. Normally, it takes about two hours.



SERVICE

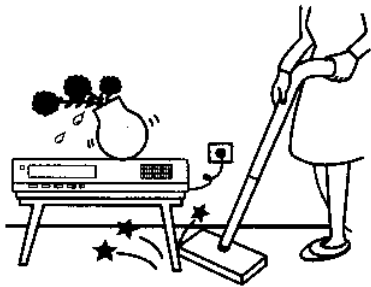
Damage Requiring Service- Unplug the set from the wall outlet and refer servicing to qualified servicing personnel under the following conditions:

- When the power cord or plug is damaged or frayed.

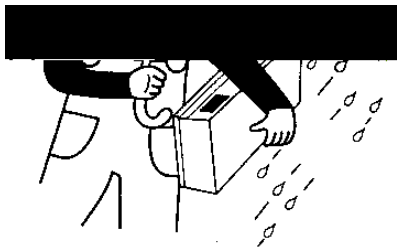
FRAYED OR TAUT
DC LINE



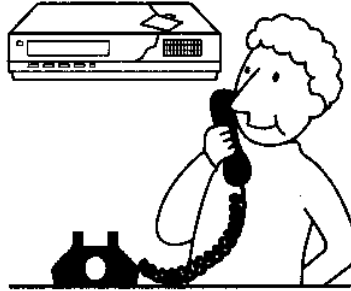
- If liquid has been spilled or objects have fallen into the set.



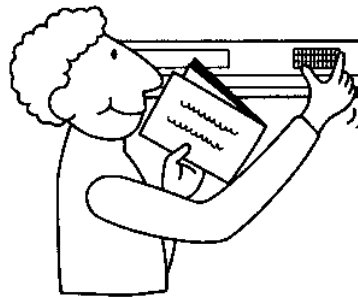
- If the set has been exposed to rain or water.



- If the set has been subjected to excessive shock by being dropped, or the cabinet has been damaged.

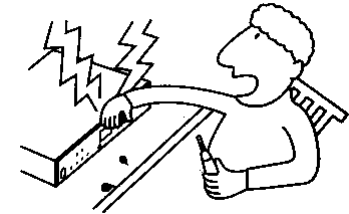


- If the set does not operate normally when following the operating instructions, adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the set to normal operation.



-When the set exhibits a distinct change in performance this indicates a need for service.

Servicing- Do not attempt to service the set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



Replacement Parts- When replacement of parts is required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

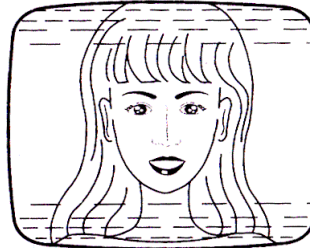
Safety Check- Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition.



VIDEO HEAD CLEANING

VIDEO HEAD CLOGGING

The video heads are the means by which the VCP reads pictures from the tape during playback. In the unlikely event that they become dirty enough to be clogged, no picture will be played back. This can easily be determined if, during playback of a known good tape, there is good sound but the picture is extremely snowy. If this is the case, have the video cassette player checked by qualified service personnel.



VIDEO HEAD CLEANING

During normal operation of the VCP, the video and audio heads can get dirty over a period of time, especially when using an old or poor quality tape. When the heads are dirty the picture can get snowy and the tracking control will not adjust the snow out of the picture. We recommend that head cleaning cartridges be used sparingly due to the fact that they can be very abrasive to the video heads. If the problem is not resolved with the head cleaning cartridge then the unit needs to be checked by qualified service personnel.

NOTE: Video heads may eventually wear out and should be replaced when they fail to reproduce clear pictures. To help prevent video head clogging, use only good quality VHS tapes. Discard worn out tapes.

IMPORTANT NOTES

- Note that main voltage is supplied to the unit whenever the main plug is connected to the supply socket.
- To avoid the risk of fire or electric shock, do not expose the unit to rain or moisture.
- Do not attempt to open the cabinet. There are no user serviceable parts inside. Refer all servicing to qualified service personnel.
- Keep the unit away from radiators or other sources of heat.
- Do not operate or store the unit close to strong magnetic fields.
- Do not spill liquid of any kind onto the unit. If liquid is accidentally spilled onto the unit, immediately remove the main plug from the supply socket, and consult an engineer.
- Avoid places subjected to strong vibration.
- Do not place anything heavy on the VCP.
- Use the video cassette player in a horizontal (flat) position only.
- Before operating, remove any paper wrapping which may have been affixed to the player during manufacturing. **DO NOT COVER VENTILATION OPENINGS ON TOP AND SIDES OF THE PLAYER DURING OPERATION.**
- When a cassette is inserted into the loading compartment, power is switched on automatically as long as the power cord is plugged into a DC outlet. **DO NOT** force a cassette into the compartment when the power cord is unplugged.
- After playing a video cassette, remove it from the player. **DO NOT** move the player with a cassette in the compartment.
- Store video cassettes in their sleeves or cases and position vertically.

For your protection, record the model number and serial numbers of your video cassette player here. In the event your player requires servicing or is stolen, you may need this information. You may also wish to clip or staple your sales receipt to this page.

Model Number: _____
Serial Number: _____
Date Purchased: _____
Store's Name and Address: _____

FEATURES

CONGRATULATIONS on your purchase of a new VHS VCP.

This VCP is an exciting, new VCP designed to satisfy all your VHS tape play and recording needs.

And, with proper use and care, your new VCP will offer many years of viewing enjoyment.

Just a few of the features include.

- **DIGITAL AUTO TRACKING**

This VCP plays clear pictures without special operations.

In the Auto tracking mode, the play indicator lamp will blink.

- **SELF PICTURE ADJUSTMENT**

Since the HEAD DRUM rotates regularly depending on the voltage change or tape condition, the picture is always stable.

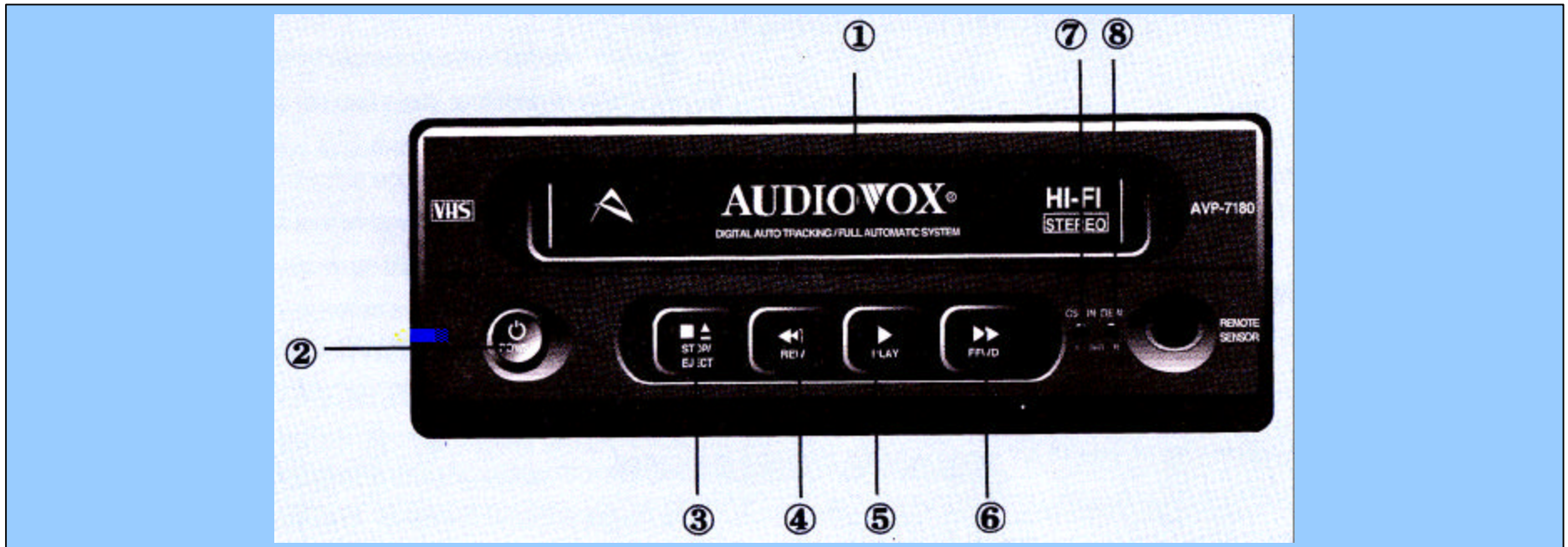
- **AUTO START FUNCTION**

This VCP will automatically power on and go into PLAY mode when a video cassette is inserted.

- **2-HEAD Hi-Fi PLAYBACK**

IDENTIFICATION

FRONT PANEL



① Cassette Compartment

② Power key

When power is supplied to the set, power indicator lamp will always light up in red. The Power ON and Power OFF mode will be toggled by pressing this key. When the POWER is switched on, the power lamp will light up in green.

③ Stop/Eject key

Press this key to stop tape and once more to eject Tape.

④ Rewind/Review key

If this key is pressed in the PLAYBACK mode, the VCP enters the reverse picture search mode. If Pressed in STOP mode, then the tape will rewind at high speed. The REW indicator lamp will light up in orange.

IDENTIFICATION (continued)

⑤ **PLAY key**

Press this key to playback a recorded tape, or to release special operations such as the search modes. In the playback mode the indicator lamp will be lit in orange, and in Auto tracking mode, this indicator lamp will blink.

⑥ **Fast Forward/Cue key**

If this key is pressed in the PLAYBACK mode, The VCP enters the forward picture search mode. If pressed in STOP mode, then the tape will fast forward at high speed. The FF indicator lamp will light up in orange.

⑦ **Cassette-In lamp/Hi-Fi L**

When the cassette is inserted, the CST-IN lamp will light up in red. In the stereo or Hi-Fi L output mode, the lamp will light up in green.

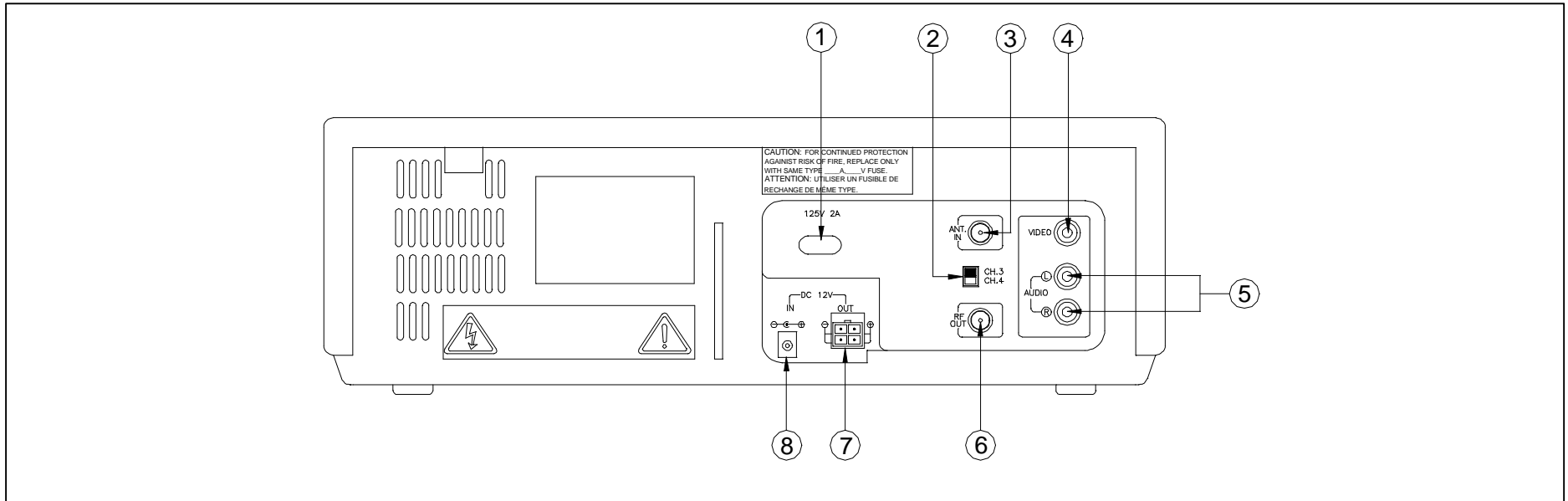
⑧ **DEW lamp/Hi-Fi R**

This indicator will flash (if power is on) to indicate excessive moisture has been inside of VCP. This unit will not operate until it dries out sufficiently (the tape can be ejected from the unit). When the DEW mode has been activated, leave the unit on to allow it to dry out completely. In the stereo or Hi-Fi R output mode, the lamp will light up in green.

| CST-in & Hi-Fi L | DEW & Hi-Fi R | |
|--|-------------------------------------|--|
| CST IN • L-Hi-Fi RED | | CST-in or PLAYBACK in normal Audio mode. |
| CST IN • L-H-Fi GREEN | DEW • Hi-Fi R GREEN | PLAYBACK in Hi-Fi STEREO Audio mode. |
| CST IN • L- H-Fi GREEN | | PLAYBACK in Hi-Fi L Audio mode. |
| | DEW • Hi-Fi R GREEN | PLAYBACK in Hi-Fi R Audio mode. |
| | DEW • Hi-Fi R RED | DEW mode. |

IDENTIFICATION (continued)

REAR PANEL



① FUSE HOLDER

This main line fuse is accessible with the external fuse holder simply by unscrewing the cap. If the main line fuse should blow then replace the fuse with a proper rated fuse (125V, 2A).

② RF OUT CHANNEL SELECTION SWITCH

Set to channel 3 or 4, whichever is not being broadcast in your area.

③ ANT. IN

Connect the TV antenna to this terminal.

IDENTIFICATION (continued)

④ **VIDEO OUT**

Connect this terminal to VIDEO IN terminal of your television, using the RCA cord provided.

⑤ **AUDIO OUT L/R**

Connect this terminal to AUDIO IN terminal of your television, using the RCA cord provided.

⑥ **RF OUT**

Connect this terminal to antenna terminal of your television, using the coaxial cable.

⑦⑧ **DC JACK IN**

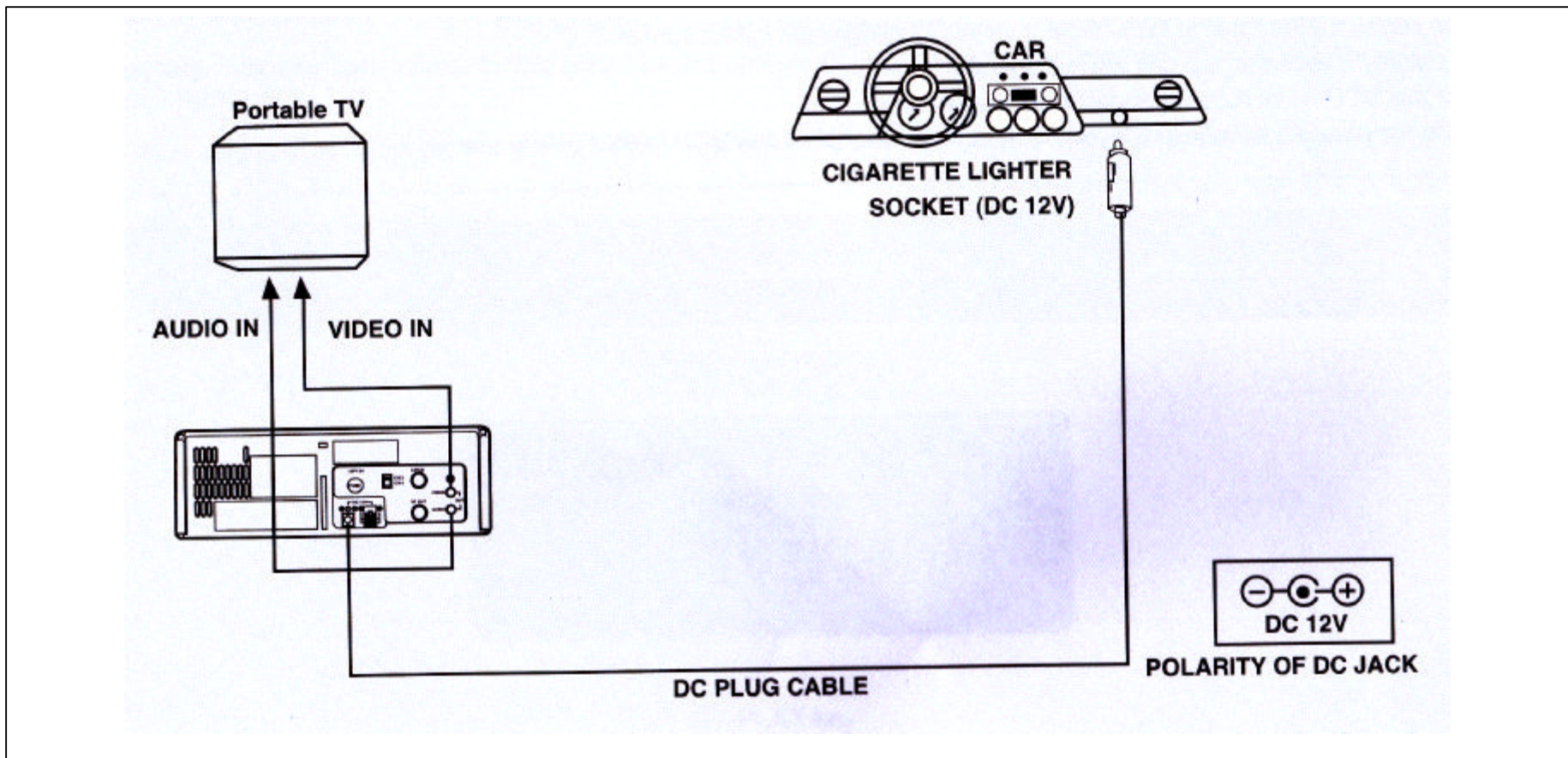
Connect this jack to DC source (DC 12V).

*Connector description for ⑦

TO GET STARTED

VCP TO VEHICLE CONNECTION

- You can apply this method to DC 12V output only.
- Please connect to the vehicle only after making sure of the polarity of the cigarette lighter socket. (negative earth)



12 VOLT POWER NOTES

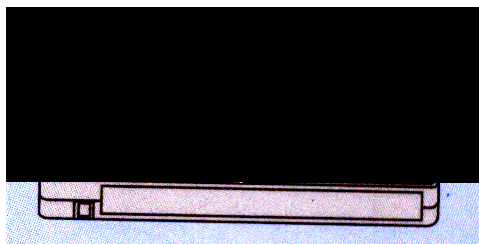
- This VCP operates on 12V DC only. If you apply more than 18 volts then the VCP will automatically turn off.
- If this polarity is reversed, the unit will not operate.
- Use of this VCP is not recommended in excessive heat. If inside temperature of vehicle is over 100°F, do not use VCP. Allow VCP to cool before use.
Verify power polarity before connection.

BASIC OPERATION

CASSETTE LOADING/UNLOADING

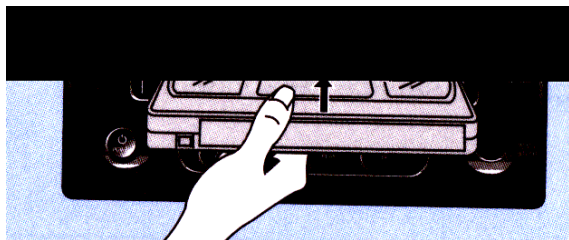
LOADING

① Push the cassette into the cassette compartment gently. (Arrow mark at top)



- An inverted cassette cannot be inserted

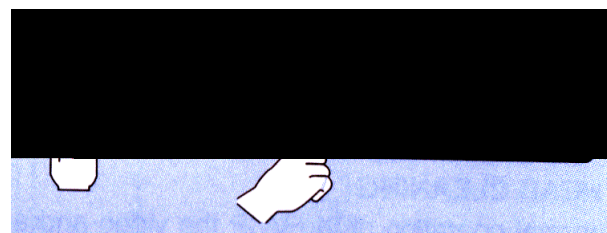
② The cassette-in indicator lamp is lit up.



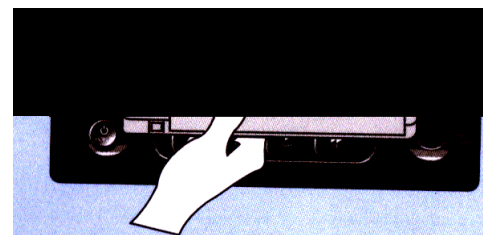
- Upon inserting the cassette, the power turns on even if the power was off as long as the DC power cord is plugged in.

UNLOADING

③ Press the STOP/EJECT key twice on the VCP (in the PLAYBACK mode). This first press will stop the tape. The cassette-in indicator lamp will be lit.



④ Pull the cassette out gently.



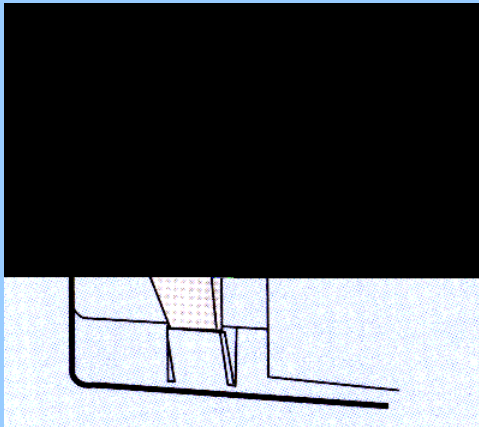
- When you press the STOP/EJECT key even if the power is off, the cassette will be ejected.

BASIC OPERATION (continued)

ERASURE PROTECTION

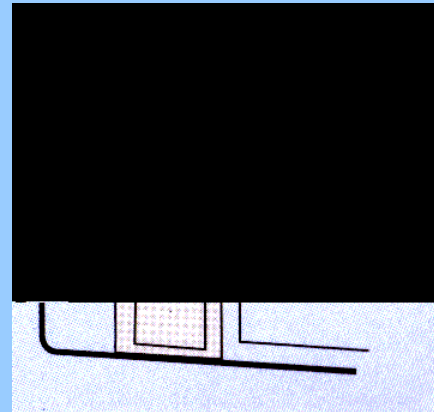
Video cassettes are equipped with a safety tab to prevent accidental erasure. When the tab is removed, recording cannot be performed.

- TO PREVENT ACCIDENTAL ERASURE



- After recording, break off the safety tab with a screwdriver if you don't want to record over the tap.

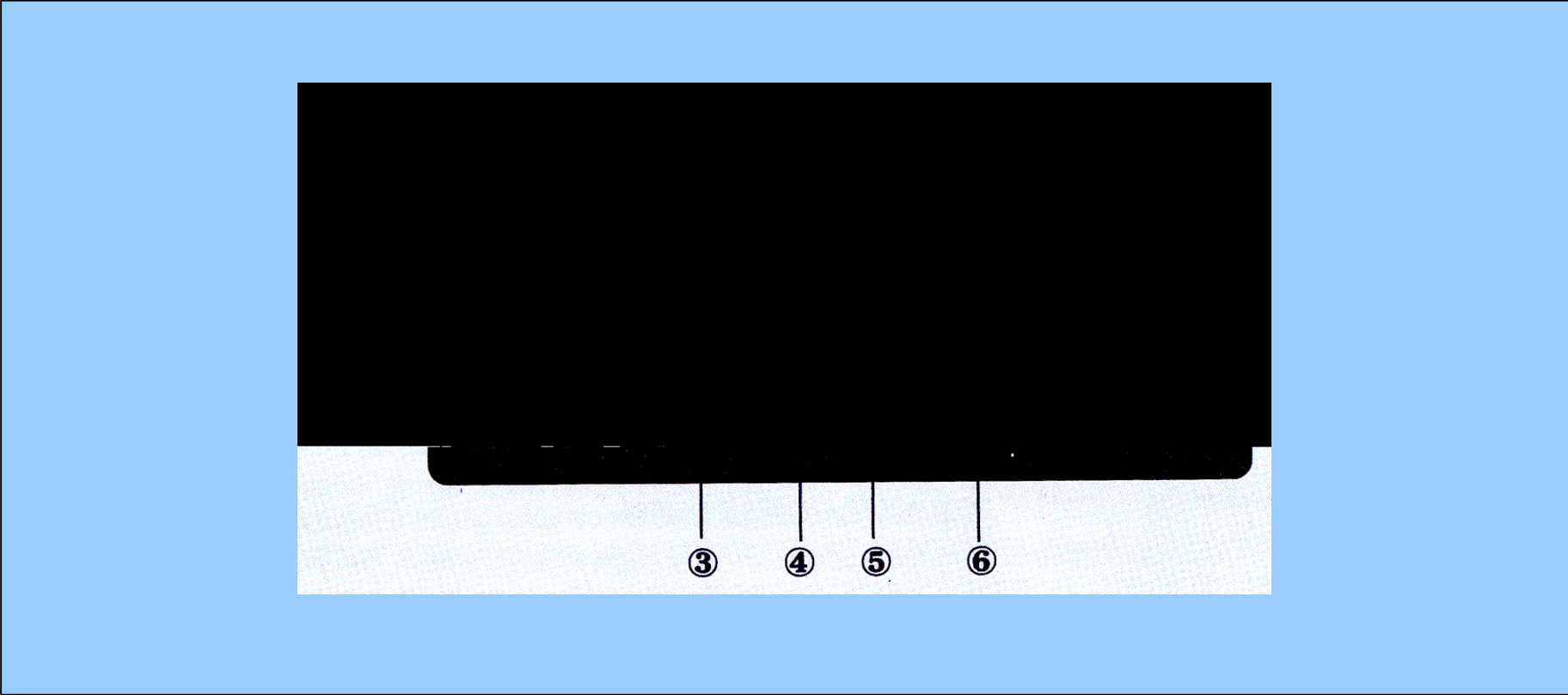
- TO RECORD AGAIN



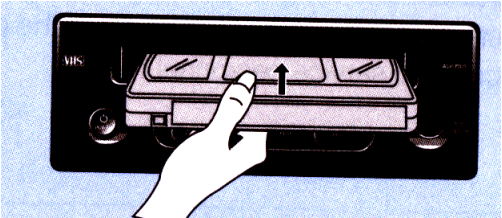
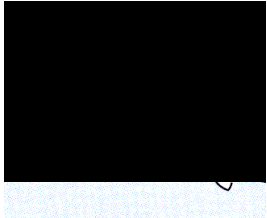
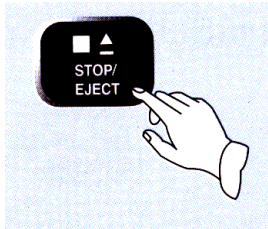
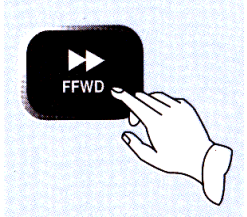
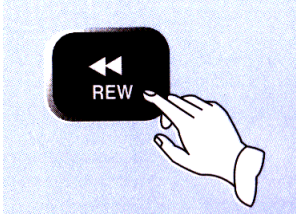
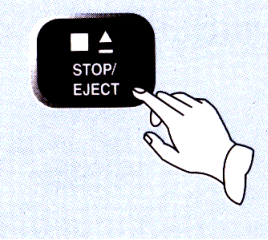
- Cover the tab opening with cellophane tape.

BASIC OPERATION (continued)

BASIC PLAYBACK

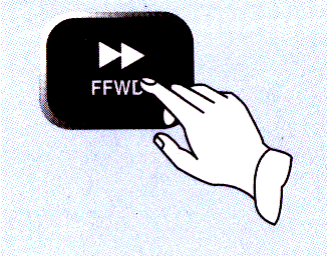
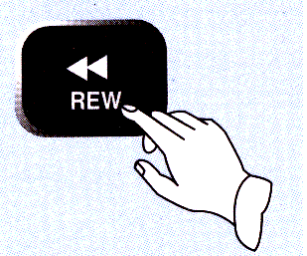
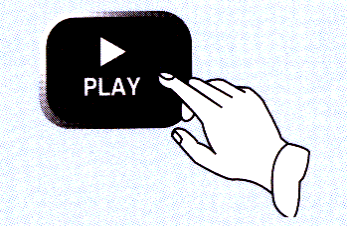
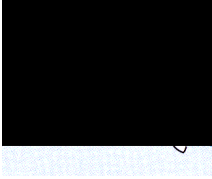


BASIC OPERATION (continued)

| | | |
|--|---|---|
| 1 LOADING | 2 PLAYBACK | 3 STOP |
|  <p>The power is on automatically when the cassette is inserted even if the power was off.</p> |  <p>Press the PLAY key, then the pictures will appear within approximately 8 seconds. The tape will rewind automatically to the beginning after playing to the end.</p> |  <p>Press the STOP/EJECT key once. The tape will stop.</p> |
| 4 FAST FORWARDING | 5 REWINDING | 6 EJECTING |
|  <p>Press the FF key in the STOP mode. The tape advances at high speed without any picture or sound.</p> |  <p>Press the REW key in the STOP mode. The tape will rewind at high speed without any picture or sound.</p> |  <p>Press the STOP/EJECT key once more (in the STOP mode), and the tape will eject.</p> |

SPECIAL OPERATION

The VCP enters the playback mode during special operations as soon as the PLAY key is pressed. During special operations, noise bars and loss of color may affect the picture. This is not a fault with this unit.

| | |
|--|---|
| <p>❶ TO VISUALLY SEARCH FORWARD</p> | <p>❷ TO VISUALLY SEARCH REVERSE</p> |
| <div style="text-align: center;">  </div> <p>Press the FF key once in the PLAYBACK mode. The tape will advance rapidly with the pictures.</p> | <div style="text-align: center;">  </div> <p>Press the rewind key once in PLAYBACK mode. The tape will rewind rapidly with the pictures.</p> |
| <p>❸ TO OPERATE RE-AUTO TRACKING</p> | <p>❹ TO SELECT Hi-Fi AUDIO OUTPUT</p> |
| <div style="text-align: center;">  </div> <p>Press the PLAY key during playback. The VCP will enter the Re-Auto Tracking mode.</p> | <div style="text-align: center;">  </div> <p>During the Hi-Fi program playback, Hi-Fi lamps light up in green. Press the PLAY key during playback, then VCP enters auto-tracking mode. During the auto tracking mode, press the PLAY key once more. Then you can select audio output as like below. “stereo → L → R → mono → stereo →”</p> |

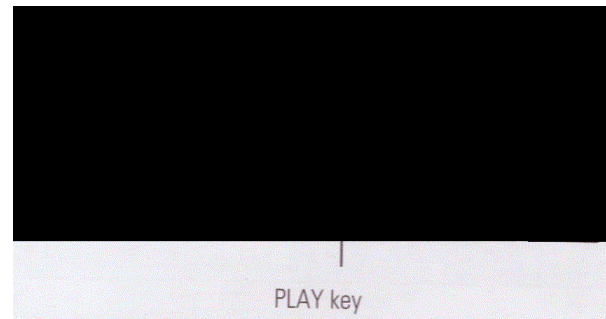
SPECIAL OPERATION (continued)

⑤ AUTO TRACKING ADJUSTMENT

- Since this VCP has an Auto tracking Adjustment function, it can play clear pictures without special operations.
- Auto Tracking Adjustment operates automatically when the cassette is inserted.
- Playback indicator lamp blinks during auto tracking operation. If the tracking is completed, the playback indicator lamp lights on.
- If noise bars appear in the picture during playback, press the PLAY key to operate Re-Tracking function.

NOTE: This VCP has an Auto Start Feature.

This VCP will automatically power on and go into PLAY mode when a cassette is inserted.



BEFORE CALLING SERVICE PERSONNEL

Before calling service personnel, check the following points for a possible cause of the trouble. A minor adjustment on your part may eliminate the trouble.

| SYMPTOMS | CAUSE | POSSIBLE SOLUTIONS |
|---|--|--|
| There is no power to the VCP. | <ul style="list-style-type: none"> ◆ The power cord is not connected. ◆ The polarity of power cord is not correct. | <ul style="list-style-type: none"> ◆ Check the power cord. ◆ Change the polarity of power cord. |
| No picture on screen when playing back a recorded tape. | <ul style="list-style-type: none"> ◆ The TV is not set to the video channel, 3 or 4. | <ul style="list-style-type: none"> ◆ Set your TV to the video channel, 3 or 4. |
| Noise bars on screen. | <ul style="list-style-type: none"> ◆ Tracking is not adjusted. | <ul style="list-style-type: none"> ◆ Adjust the picture to be clear by pressing the PLAY key. |
| Operation key does not work | <ul style="list-style-type: none"> ◆ If the cassette or the VCP is not in normal condition, every indicator LED/LAMP lights up and the VCP does not work. | <ul style="list-style-type: none"> ◆ Turn off the power and on by pressing the POWER cord. ◆ Unplug and replug the power cord. |
| Cassette is ejected upon insertion. | <ul style="list-style-type: none"> ◆ Safety device works to protect the cassette when it is inserted incorrectly. | <ul style="list-style-type: none"> ◆ Pull the cassette out (unloading it) and insert it firmly into the cassette compartment again. |
| Audio output does not change to Hi-Fi mode. | <ul style="list-style-type: none"> ◆ The cassette is recorded in mono VCR. ◆ The first auto tracking is executing now. | <ul style="list-style-type: none"> ◆ The cassette can not be played back in Hi-Fi mode. ◆ Wait for a second. |

| SYMPTOMS | CAUSE | POSSIBLE SOLUTIONS |
|--|---|--|
| No power | | <ul style="list-style-type: none"> ◆ Check to insure Video Switch is in ON position. |
| No backlighting at power button. | <ul style="list-style-type: none"> ◆ No 12V DC. | <ul style="list-style-type: none"> ◆ Check circuit fuse at source of power (see vehicle/converter manual). ◆ In-line fuse of power cord (in lighter plug) is blown. ◆ VCP (2 amp *20x5mm) fuse located on rear of unit. ◆ Power cord unplugged from 12V outlet or at rear of unit. |
| Power indicated with backlighting-unit will not operate. | <ul style="list-style-type: none"> ◆ (Unit in dew mode) Dew feature activated (see owner's manual). ◆ No tape in unit. ◆ Low voltage | <ul style="list-style-type: none"> ◆ Retain power to player and allow unit for a time to get rid of moisture. (After 30 minutes if dew indicator is still on, completely switch power off from unit and resupply after a minute. This can reset dew indicator if moisture eliminated.) ◆ Insert the tape ◆ Start the vehicle, if not running. |
| More indicators flashing, unit will not operate. | <ul style="list-style-type: none"> ◆ Unit in emergency mode. | <ul style="list-style-type: none"> ◆ Contact dealer for service to player |
| PLAY mode indicated no audio or video to TV. | <ul style="list-style-type: none"> ◆ VCP connected to A/V Input jack, RCA patch cables set in TV mode. | <ul style="list-style-type: none"> ◆ Switch TV to video mode with remote control or switch behind control door of TV. |

| SYMPTOMS | CAUSE | POSSIBLE SOLUTIONS |
|---|---|--|
| Play mode indicated no audio or video to TV. (continued from the previous page) | <ul style="list-style-type: none"> ◆ VCP connected by (75 Ω coax) antenna coax to TV. Set in the “monitor mode”. | <ul style="list-style-type: none"> ◆ Switch to TV mode. |
| | <ul style="list-style-type: none"> ◆ VCP connected to A/V output jacks. (AVT-1400 or 1475) | <ul style="list-style-type: none"> ◆ Change connector between VCP and TV. |
| | <ul style="list-style-type: none"> ◆ Output of VCP A/V RCA cables or coax not connected to TV input. | <ul style="list-style-type: none"> ◆ Check connector between VCP and TV. |
| | <ul style="list-style-type: none"> ◆ Switchable input device used between TV and VCP (game prep). | |
| | <ul style="list-style-type: none"> ◆ Poor connection between VCP output and TV input. | <ul style="list-style-type: none"> ◆ Check connection (a). |
| | <ul style="list-style-type: none"> ◆ Reversed A/V inputs to TV. | <ul style="list-style-type: none"> ◆ Check connection (b). |
| | <ul style="list-style-type: none"> ◆ Shorted coax cable between VCP and TV. | <ul style="list-style-type: none"> ◆ Check cable/by pass with continuity test. |
| Poor video/snowy picture or lines on screen. | <ul style="list-style-type: none"> ◆ Dirty heads. | <ul style="list-style-type: none"> ◆ Clean head using tape cartridge cleaner. We recommend using cartridge with cloth or paper tape and cleaning drops included. ◆ These are readily available at retail stores. |

SPECIFICATION

| | |
|-------------------------------|---|
| MODEL | AVP-7180 |
| POWER SUPPLY | DC 12V |
| POWER CONSUMPTION | 12W |
| DIMENSION | 265 X 91 X 295 (W X H X D) mm |
| WEIGHT APPROX. | 3.4 kg |
| VIDEO SIGNAL SYSTEM | NTSC Color |
| VIDEO SIGNAL, OUTPUT (RF) VHS | 75 Ω unbalanced AVX. |
| TAPE TYPE | VHS Type |
| TAPE SPEED | SP: 33.35 mm/sec, LP: 22.23 mm/sec, SLP: 11.12 mm/sec |
| FF/REW TIME (T-120) | Approx. 5 min. |
| VIDEO SIGNAL OUTPUT (LINE) | 1Vpp 75 Ω unbalanced, NEGATIVE SYNC |
| AUDIO SIGNAL OUTPUT (LINE) | -5dBm 10K Ω MAX |
| OPERATING CONDITION HUMIDITY | 85% RH max, TEMPERATURE: 5°C ~ 35°C (41°F ~ 95°F) |
| OPERATING POWER VOLTAGE | 12 ~ 14V |

Design and Specifications are subjected to change without notice.

ACCESSORY LIST

| Description | Part Number |
|---|-------------|
| AVT-988 9" Color Television with Remote (12V) | AVT988 |
| AVT-597 5" Color Television with Remote (12V) | AVT597 |
| AVT-1498 13" Color Television with Remote (12V) | AVT1498 |
| AVP-7000 Video Cassette Player (12V) | AVP7000 |
| AVT-7285 Video Cassette Player (12V) | AVP7285 |
| Wireless Headphone Kit: Includes 2 Sets Wireless Headphones and Transmitter | WRFKIT1 |
| BPA-501-12 4 Amp Adapter for use with AVT-988 9" and AVT-1498 13" Televisions | 0891412 |
| AC2A- 2 Amp Adapter for use with AVT-597 5" TV and AVP-7000 Video Cassette Player | 0891436 |
| Unified Remote Control | 0892325 |
| VAC-21- 12 Volt Corded Vacuum | VAC21 |
| AVF-1 12 Volt Rechargeable Flashlight | AVF1 |
| HP-175 Headphones with Pivoting Ear Cup | HP175 |
| HP-275 Headphones with Volume Control on Cord | HP275 |
| HP-375 Studio Quality Headphones | HP375 |

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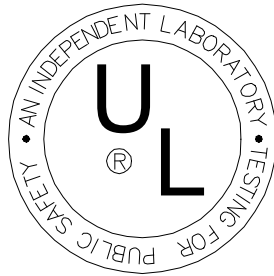
To obtain repair or replacement within the terms of this warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station, or the Company at the address shown below.

This warranty does not extend to the elimination of externally generated static or noise, to the correction of antenna problems, to costs incurred for removal or reinstallation of the product, or to damage to any tapes, speakers, accessories, or electrical systems. This warranty does not apply to any product or part thereof which, in the opinion of the company, has been damaged through alteration, improper installation, mishandling, misuse neglect or accident. THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE, AND , IN NO EVENT , SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER FOR THE PRODUCT.

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