

CONSOLE INSTALLATION INSTRUCTIONS

PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.

1. Remove molded plastic top from console. This can be done by removing the two screws on the side and two screws in the back of the plastic.
2. Using a #30 (1/8") drill bit, drill 4 holes in the bottom of the console, two on each side of the VCP, at the front and rear.
3. Place console in desired location in vehicle. To ensure proper fit, center console between seats and far enough away from dashboard as to not interfere with vehicle operation.
4. Using masking tape, mark the outside perimeter of console on carpet to ensure correct positioning.
5. Using a grease pencil or marker, mark position of drilled holes on carpet. Remove console revealing marks on carpet.
6. Using a #31 (3/32") drill bit, drill holes into floorboard of vehicle. Be careful to only drill through the first layer of metal. It is the customer's responsibility to position the console where the mounting screws will not pierce or destroy any serviceable equipment or wiring systems routed underneath the floor of vehicle. Refer to vehicles owner manual or contact your local dealer for verification of any potential obstacles.
7. Place console into position, aligning it correctly with masking tape outline.
8. Using the 2" mounting screws provided, secure console through drilled holes.
9. Secure molded plastic top onto console using the four screws previously removed in step 1.
10. Plug console into cigarette lighter port to make sure all components are functioning properly.

QUICK REFERENCE GUIDE

Thank you for purchasing a Memorex TV/VCP Console. Your Console will provide years of entertainment for you and your family while on the road, in a hotel room or in your home (when using the optional power converter).

To ensure that you receive the maximum enjoyment possible from your Memorex TV/VCP Console please read the enclosed operating instructions for both the TV and the VCP. Following is a quick reference guide to assist you in setting up your console.

QUICK SETUP

The console is ready to use straight out of the box. Simply plug the power cord into your cigarette lighter socket in your vehicle. Can be used in household with optional power converter.

The console, depending on model, may have one remote for the entire unit or one remote for the TV and one for the VCP. You must have direct line of sight (as with all infrared remote controls) to operate, therefore, the protective lid must be open to have remote control VCP operation.

The portable console should be secured in place when used in a vehicle either by temporary straps (not included) or permanent mounting screws (provided). Installation by a professional is recommended.

Installing The Optional TV Antenna

Please note: TV reception in a moving vehicle is marginal at best.

Connect the TV antenna directly to the back of the TV to the port marked Antenna. Remove TV from console by using a side to side pulling motion. The TV is secured by Velcro.

CONNECTING VIDEO GAME UNITS

Consult instruction manual from manual game console.

Audio/Video—Connect RCA cables (usually included in video game unit) to the audio/video input jacks on the front panel. Set TV to Video 2.

Power—A 12 volt power outlet is located on the front panel and can be used to power 12-volt DC video game units. Some games require a power inverter (not included).

HELPFUL HINTS

An internal system has been designed to protect the electronics from any power interruption or surges. In the event of a power disruption, both the TV and the VCP units will reset and can be returned to normal use by pressing the ON buttons.

Avoid spilling liquids in and around the unit.

The use of defective damaged or dirty VHS cassettes can result in damage to your console. Use only brand name cassette tapes and maintain system cleanliness.

For information concerning additional console models, optional accessories or operation of your console, please contact the retailer from whom you purchased the console or visit the Memorex website at <http://www.memorex.com>.



TRAVELVIEW[®]

MINIVAN CONSOLE

90-DAY LIMITED WARRANTY

Memorex will exchange or repair this product, at its option, in the event of defect in material or workmanship for a period of 90 days from date of purchase. A purchase receipt or other proof of original retail purchase are required together with the product to obtain exchange or service under this warranty.

This warranty is extended only to the original purchaser and shall not be extended to any other person or transferee. This warranty applies only to products purchased and used in the United States and Canada. This warranty gives you specific legal rights, you may have other rights that vary from state to state. This warranty is void if product serial number is altered, replaced, defaced or missing.

WARRANTY COVERS

Defects in material or workmanship which occur during normal use.

WARRANTY DOES NOT COVER

- Damage from accidents, misuse, abuse, mishandling, misapplication, alteration, faulty installation, or improper maintenance.
- Damages which occur in shipment or by unauthorized repairs, alterations or by use of parts not supplied by Memorex.
- Damages which result from fire, flood, lightning or other acts of God.
- Packing materials, any accessories (except remote control units), any additional assembly parts, or demonstration or floor models.
- Commercial use of this product such as hotel or office use, as well as rental of this product.

WARRANTY SERVICE

All warranty inspections and repairs must be performed by a Memorex authorized service facility. This warranty is valid only when the product is delivered prepaid to a Memorex authorized service facility.

Prior to returning this product to the factory service center for repair, contact the Memorex service department to receive a return authorization. Any postage, insurance and shipping costs incurred in presenting this product for repair are the consumer's responsibility.

IF WARRANTY SERVICE IS REQUIRED

Carefully pack product with proper packaging materials, preferably in the original carton or packing materials and carton obtained from Memorex. Enclose written documentation detailing the complaint inside the carton or in a packing slip envelope on the outside of the carton. A copy of the original retail purchase receipt must accompany the product. If no proof of purchase is included, the warranty will not be honored.

IMPORTANT

Memorex and its representatives or agents shall in no event be liable for any general, indirect or consequential damages arising out of or occasioned by the use of or the inability to use this product.

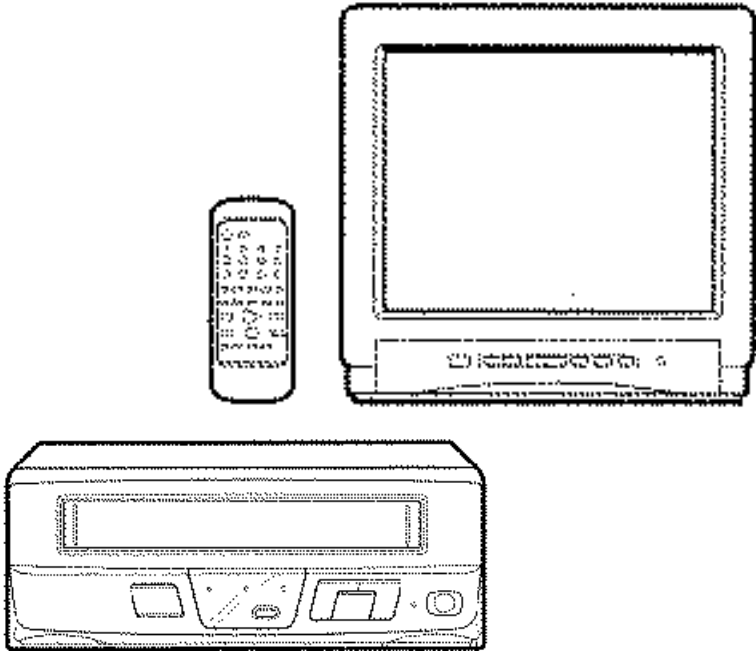
This warranty is made in lieu of all other warranties including the warranty of merchant ability, and fitness for a particular purpose, that are hereby disclaimed by Memorex and its representatives or agents in the United States.

If at any time during the warranty period you are unable to obtain satisfaction with the exchange or repair of this product, please contact Memorex.

ATTENTION

Memorex reserves the right to modify any design of this product without prior notice. For information about your product, or for information on how to exchange or repair your product, contact Memorex.

**DC POWER
9" COLOR TELEVISION - TVM0903
VIDEO CASSETTE PLAYER - VCP1503**



ATTENTION

For your protection in the event of theft or loss of this product, please fill in the information listed below which is for your own personal records.

Date of Purchase : _____



Serial No. : _____

Place of Purchase : _____

IMPORTANT NOTICE

TO PREVENT DAMAGE TO THE TAPE, ALWAYS TURN OFF VCP FIRST BEFORE YOU SWITCH ON OR OFF THE CAR ENGINE IGNITION.

Before operating the unit, please read this manual thoroughly.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
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.		



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 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 REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

WARNING: 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.

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

IMPORTANT SAFEGUARDS

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the unit is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All warnings on the unit and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5. CLEANING

Unplug this unit from cigarette lighter socket before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. ATTACHMENTS

Do not use attachments not recommended by the unit's manufacturer as they may cause hazards.

7. WATER AND MOISTURE

Do not use this unit near water. For example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

8. ACCESSORIES

Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury, and serious damage to the unit. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer.

- 8A. 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.

PORTABLE CART WARNING
(symbol provided by RETAC)



S3126A

9. VENTILATION

Slots and openings in the cabinet and in the back or bottom are provided for ventilation, to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat source. This unit 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.

10. POWER SOURCE

This unit should be operated only from the type of power source indicated on the rating plate. If you are not sure of the type of power supply, consult your appliance dealer. For units intended to operate from battery power, or other sources, refer to the operating instructions.

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, and the point where they exit from the appliance.

IMPORTANT SAFEGUARDS

(CONTINUED)

12. LIGHTNING

To protect your unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from cigarette lighter socket and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

13. 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.

14. OVERLOADING

Do not overload cigarette lighter socket and extension cords as this can result in a risk of fire or electric shock.

15. OBJECT AND LIQUID ENTRY

Do not push objects through any openings in this unit as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

16. OUTDOOR ANTENNA GROUNDING

If an outside antenna or cable system is connected to the unit, be sure the antenna or cable 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 70, 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.

17. SERVICING

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

18. DAMAGE REQUIRING SERVICE

Unplug this unit from cigarette lighter socket and refer servicing to qualified service personnel under the following conditions:

- a. When the power-supply cord or plug is damaged.
- b. If liquid has been spilled, or objects have fallen into the unit.
- c. If the unit has been exposed to rain or water.
- d. If the unit 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 unit to its normal operation.
- e. If the unit has been dropped or the cabinet has been damaged.
- f. When the unit exhibits a distinct change in performance, this indicates a need for service.

19. REPLACEMENT PARTS

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

20. SAFETY CHECK

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

21. WALL OR CEILING MOUNTING

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

22. HEAT

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

23. 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 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.

SAFETY PRECAUTIONS

Congratulations upon your selection of this **MEMOREX**® Product. Be sure to read the following Safety Precautions before trying to use it for the first time.

Symbols

The following are the meanings of the symbols used in these Safety Precautions.



Warning!

This symbol indicates information that, if ignored or applied incorrectly, creates the danger of death or serious personal injury.



Caution!

This symbol indicates information that, if ignored or applied incorrectly, creates the possibility of serious personal injury or material damage.



Warning!

Installation in a Vehicle

- For a vehicle equipped with air bags, be sure to follow the manufacturer's instructions whenever performing any electrical wiring work. Incorrect wiring can cause the air bag system of a vehicle to malfunction.
- Never cut the insulation from the power supply lead in an attempt to draw power for another device. Doing so can overload the current capacity of the lead, creating the danger of fire and electric shock.

Driving Safety

- Never watch the TV or try to adjust settings while driving. Doing so creates the danger of traffic accident. Before operating the TV, be sure to stop the vehicle in a safe area.
- Never install the unit on the dashboard or in any other location where it obstructs forward vision. Items that obstruct forward vision in a motor vehicle may be illegal. Also, make sure that all components are installed where they do not interfere with operation of the steering wheel, shift lever, brake pedal, etc., for example under the driver's seat, and where they do not endanger passengers. Improper installation creates the danger of traffic accident and personal injury.
- Make sure all cables are bundled together so they do not interfere with vehicle operation, as described in this manual. Improperly installed cables create the danger of entanglement with the steering wheel, shift lever, brake pedal, etc.



Warning!

Abnormal Conditions

- Should the TV ever begin to emit smoke, abnormal odor, or a strange noise, immediately turn off power and unplug the TV from the cigarette lighter socket. Continued use of the TV under any of these conditions creates the danger of fire and electric shock.
- Do not continue to use the TV if it is malfunctioning and does not produce a video image or sound. Whenever you notice such symptoms, immediately turn off power, unplug the TV from the cigarette lighter socket. Continued use of the TV creates the danger of fire and electric shock.

Disassembly

- Never try to open the outer case of TV, or otherwise take it apart. Doing so creates the danger of fire and electric shock.

Car Battery

- The TV is designed for use with a 12V DC negative ground automotive power supply only. Never use it in a large truck, a refrigerated truck, or any other vehicle that has a 24V power supply. Doing so creates the danger of fire and electric shock.
- If the car battery cord ever becomes damaged to the point that internal wiring is exposed or cut, immediately request replacement from your original retailer. Continued use of a damaged cord creates the danger of fire and electric shock.

Water and Metal Objects

- Water getting in the TV creates the danger of fire and electric shock. Take care against moisture when it is raining or snowing, or when at the beach, seashore, or any other environment where moisture is present.
- Should TV ever get wet, immediately turn off power, unplug the TV from the cigarette lighter socket. Continued use of the TV while it is wet creates the danger of fire and electric shock.
- Should foreign matter ever get into the TV, immediately turn off power, unplug the TV from the cigarette lighter socket, and contact your original retailer. Continued use of the TV while foreign matter is inside creates the danger of fire and electric shock.



Caution!

Special Knowledge for Installation

- Special technical knowledge is required for proper installation and wiring. If you have any doubts about where to position or how to install components, contact the retailer where you purchased the product, your automobile dealership, or an automotive service provider. Note that you will be charged separately for installation work.

Installation

- Use all of the components that come with this product only as directed. Improper use of components can damage interior components or result in improper anchoring of components, which creates the danger of accident and personal injury.
- Improper installation creates the danger of fire and accident.
- Take care so wires are not pinched between chassis parts, by screws, by the seat as it slides on its rails, etc. Such conditions can cut wires and cause shorts, creating the danger of accident, electric shock, and fire.
- Avoid installation in areas subject to strong vibration and areas where secure anchoring cannot be achieved. Components installed in such areas can work loose, creating the danger of accident and personal injury.
- Never install the TV on the dashboard or in any other location where it obstructs forward vision.
- Never attach the stand to the roof of your vehicle. Doing so creates the danger of the TV falling down.
- Never attach the stand to a sharply angled surface or to a surface that causes the TV to face downwards. Such installation can cause the TV to fall.
- Be sure to turn the ignition key of the vehicle to the "OFF" position before connecting or disconnecting wires and cables. Failure to do so creates the danger of electric shock and personal injury.

Leaving Your Vehicle Unattended

- Before leaving your vehicle unattended for long periods, be sure to unplug the TV from the cigarette lighter socket. Leaving the TV plugged in can run down the vehicle's battery.

Important!

- The TV is designed for use with a 12V DC automotive power supply only. Never use it in a truck, bus, or any other vehicle that has a 24V power supply.
- Be sure to stop your vehicle in a safe area before watching or adjusting the TV.
- Operating the TV for a long time with the engine of your vehicle stopped can run down your vehicle's battery.
- Never leave the TV in areas exposed to temperature extremes or strong direct sunlight. Leaving it in a closed vehicle, in direct sunlight, near a heater, etc. can cause deformation of the case. Using this product in areas that are colder than 5°C or hotter than 40°C can result in poor image quality.
- When not using the TV, be sure to unplug it from the cigarette lighter socket of your vehicle.
Leaving the TV plugged in can run down the vehicle's battery.
- Never use benzene or other chemical agents for cleaning.
Chemicals can damage the case and remove markings. Use a soft cloth moistened with a weak solution of water and mild neutral detergent. Wring out all excess moisture from the cloth before wiping.
- Never drop the TV or otherwise subject it to strong impact.

FEATURES

Picture Tube

9" Screen (measured diagonally) provides remarkably crisp, clear pictures and superb color rendition.

12V DC Operation

This TV is designed to operate from a 12V DC car cigarette lighter socket.

Quartz PLL Frequency Synthesized Tuning System

Electronically locks in and memorizes available channels for perfect reception.

181 Channel Tuner

The tuning system is capable of receiving all 68 VHF/UHF standard broadcast channels that are available in your area. When operating on a cable system, it can tune to the standard VHF channel frequencies plus up to 113 cable channel frequencies. The actual number of channels received depends upon channel reception in your area or your cable system.

On-Screen 3 Language Display

Consists of channel, sleep timer, volume level, mute, text/caption indicators and picture control adjustments. These can be displayed in English, Spanish or French.

Picture Adjustments

The On-Screen display allows precise adjustment of BRIGHTNESS, COLOR, CONTRAST, SHARPNESS, and TINT.

Sleep Timer

Operable from the remote control, this TV can be programmed up to 120 minutes to turn off automatically.

Memory Back Up

This system prevents loss of memorized channel selections in case a power interruption to the TV should occur.

Automatic Power Shut Off

If the channel being viewed has stopped broadcasting for more than 15 minutes, this TV will turn off automatically.

Full Remote Control Of Television & Video Cassette Player

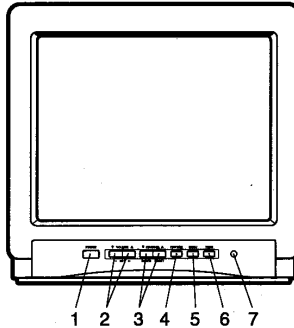
The 34-Key Infrared remote control unit handles all functions included with unit.

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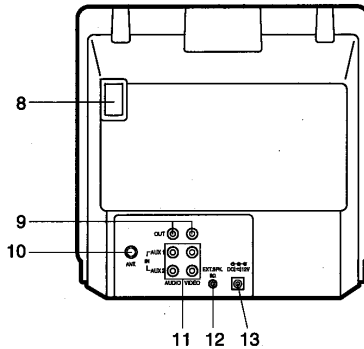
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LOCATION OF CONTROLS

FRONT



REAR



DESCRIPTION OF CONTROLS

FRONT:

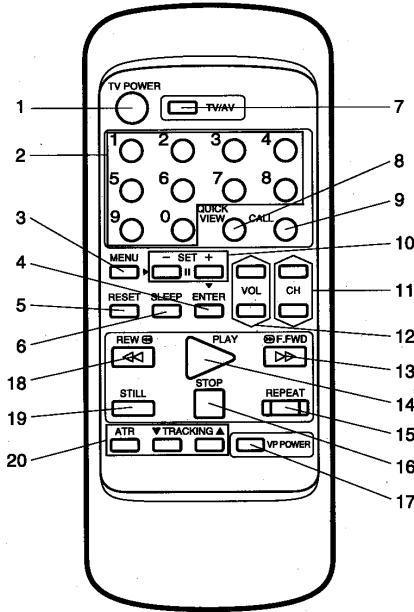
1. **POWER Button** - Press to turn the TV on or off.
2. **VOLUME ▲ / ▼ Buttons** - Press to raise or lower the volume of the sound.
(**SET+ / - Buttons**) - Press to select the desired setting during On-Screen operations.
3. **CHANNEL ▲ / ▼ Buttons** - Press to select a higher or lower numbered channel set into memory.
(**ENTER Button**) - Press to enter or select information for On-Screen operations.
(**RESET Button**) - Press to reset the On-Screen picture adjustments to their factory preset positions.
4. **PICTURE Button** - Press to select the desired color, sharpness, contrast, brightness and tint.
5. **MENU Buttons** - Press to display the On-Screen menu function.

6. **TV/AV Button** - Press to select to receive the desired signal.
7. **Remote Sensor** - Signals from the Remote Control unit are received here.

REAR:

8. **Antenna holder**
9. **AUDIO/VIDEO OUT Jacks** - Used to output audio and video signals to a TV, amplifier or VCR.
10. **VHF/UHF IN (ANT) Jack** - Connect a VHF/UHF antenna or CATV cable to this jack.
11. **AUDIO (AUX1/AUX2) / VIDEO IN Jacks** - Audio and video signal cables from an external source can be connected here.
12. **External Speaker Jacks** - Allow external speakers to be directly connected to this TV.
13. **DC Input Jack** - Connect the 12V DC car cord (supplied) here for DC operation.

REMOTE CONTROL



DESCRIPTION OF BUTTONS

TV Section

- TV POWER Button** - Press to turn the TV on. Press again to turn the TV off.
- Direct Channel Selection Buttons (0-9)** - Allows direct access to any channel.
- MENU Button** - Press to display the On-Screen menu function.
- ENTER Button** - Press to enter or select information for On-Screen operations.
- RESET Button** - Press to reset the On-Screen picture adjustments to their factory preset positions.
- SLEEP Button** - Sets the TV to turn off automatically after up to 120 minutes.
- TV/AV button** - Press to select to receive the desired signal.
- QUICK VIEW Button** - Switches between the present channel and the last channel selected.
- CALL Button** - Displays the Channel number in the upper right corner.
- SET +/- Buttons** - Press to select the desired setting during On-Screen operations.
- CH Up/Down Buttons** - Press the Up button to change to a higher numbered channel set into memory. Press the Down button to change to a lower numbered channel set into memory.

- VOL Up/Down Buttons** - Press the Up button to increase, or the Down button to decrease the volume level.

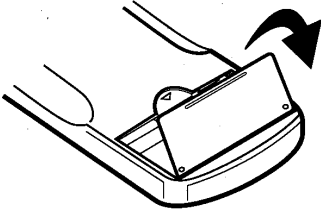
VCP Section

- F. FWD button** - In the STOP mode, this button rapidly winds the tape forward. In the PLAY mode, this button activates Forward Search.
- PLAY button** - Press to play a prerecorded tape.
- REPEAT button** - When pressed, the VCP will play back the tape over and over until stopped manually.
- STOP button** - Press to stop the tape.
- VP POWER button** - Turns the VCP power on and off.
- REW (Rewind) button** - In the STOP mode, this button rapidly winds the tape backwards. In the PLAY mode, this button activates Reverse Search.
- STILL button** - When pressed during tape playback, it pauses the tape and displays a still picture on the TV screen.
- DIGITAL AUTO TRACKING buttons** - Allows automatic or manual adjustment of tracking to minimize picture noise during playback.

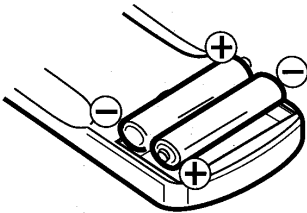
Before using the remote control transmitter, batteries must first be installed into it.

HOW TO INSTALL BATTERIES

1. Open the battery compartment cover.



2. Install two "AAA" (penlight size) batteries.



3. Replace the battery compartment cover.

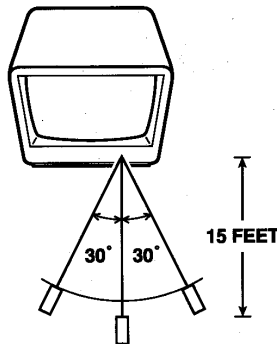
Use two "AAA" size penlight batteries (not supplied) for the transmitter. The batteries may last approximately one year depending on how much the remote control is used. For best performance, it is recommended that batteries should be replaced on a yearly basis, or when the remote operation becomes erratic. Do not mix old and new batteries or different types.

BATTERY PRECAUTIONS

These precautions should be followed when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)

EFFECTIVE DISTANCE OF THE REMOTE CONTROL TRANSMITTER



NOTE: When there is an obstacle between the TV and the transmitter, the transmitter may not operate. When direct sunlight, an incandescent lamp, fluorescent lamp or any other strong light shines on the REMOTE SENSOR on the TV, the remote operation may be unstable.

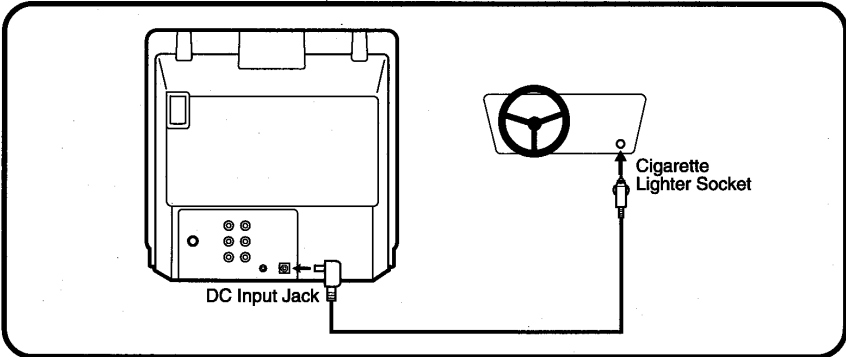
POWER SOURCES

DC POWER SUPPLY

By using the DC car cord supplied with the TV, you can operate this TV from a cigarette lighter socket in any vehicle that utilizes a negative grounding system.

The fused 12V DC car cord has been designed to power the unit from the external DC power (12 volt negative ground) through the DC input jack.

Connect the smaller plug on the end of the cord to the DC input jack on the rear of the TV, then insert the round end of the car cord into the cigarette lighter socket of your car. Make sure that the cord makes a firm connection. It may be necessary to try several insertions, rotating the plug for proper electrical connection.

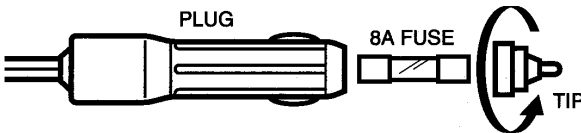


NOTE: • ALWAYS TURN OFF THE TV FIRST BEFORE ON OR OFF THE IGNITION OF CAR ENGINE.

- Make sure that the negative terminal of the battery is grounded. This set is designed for use with negative ground systems only.
- Use the supplied car cord only.
- When the TV is not in use, always disconnect it from the car cigarette lighter socket to avoid a battery drain.
- If the TV is to be directly connected to a 12V DC power source, for example, recreational vehicle (RV) applications, make sure the power cord is connected after the ignition switch to avoid battery drain.
- Do not operate the TV if the car battery is weak. Peak current from the car alternator could blow the DC fuse.
- Check the battery's charge level regularly when the television is used in a vehicle.

REPLACING THE FUSE IN THE CAR BATTERY CORD PLUG

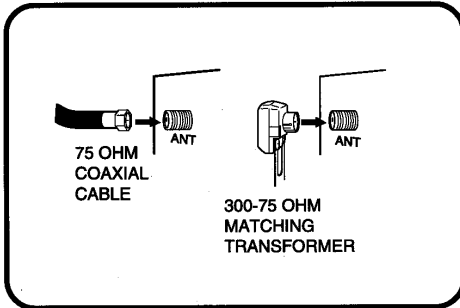
If the fuse in the car battery cord plug blows, replace it with a new 8 A fuse (Fast Blow Type) as shown below. Unscrew the tip of the plug to remove.



ANTENNA CONNECTIONS

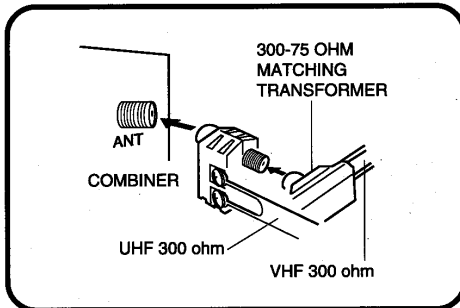
Unless your TV is connected to a Cable TV system, or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, if you are located in a strong signal area that is free from interference and ghost conditions (multipath), an indoor antenna may be sufficient. If this television is being used in a mobile installation (RV, Van, Limousine, etc), we recommend that you employ an antenna specially designed for mobile or recreational use. Your installer can probably recommend a number of suitable antennas.

Combination VHF/UHF Antenna (Single 75 ohm cable or 300 ohm twin-lead wire)



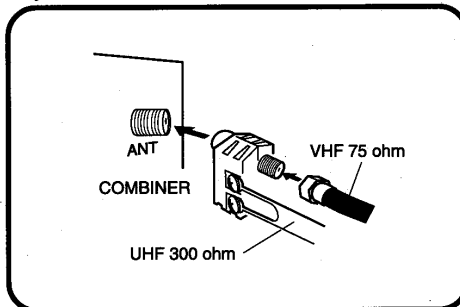
Connect the 75 ohm cable from a combination VHF/UHF antenna to the antenna jack. If your combination antenna has a 300 ohm twin-lead wire, use the 300-75 ohm matching transformer (not supplied).

Combination VHF/UHF Antenna (Separate VHF and UHF 300 ohm twin-leads)



Connect the UHF twin-lead wire to a combiner (not supplied). Connect the VHF twin-lead to the 300-75 ohm matching transformer (not supplied). Attach the transformer to the combiner. Attach the combiner to the antenna jack.

Separate VHF/UHF Antennas



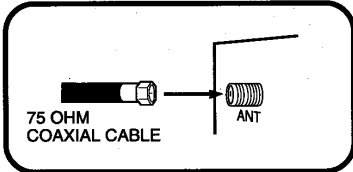
Connect the 75 ohm cable from the VHF antenna and the UHF antenna twin-lead to a combiner (not supplied). Attach the combiner to the antenna jack.

NOTE: If your VHF antenna has a twin-lead wire, use the 300-75 ohm matching transformer (not supplied), then connect the transformer to the combiner.

CATV CONNECTIONS

This television has an extended tuning range and can tune most cable channels without using a cable company supplied converter box. Some cable companies offer "premium pay channels" in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.

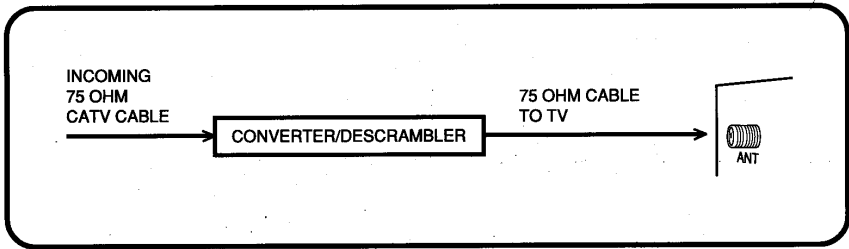
For Subscribers to Basic Cable TV Service



For basic cable service not requiring a converter/descrambler box, connect the CATV 75 ohm coaxial cable directly to the antenna jack on the back of the television.

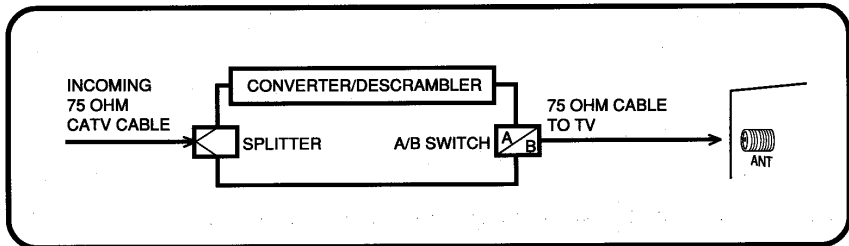
For Subscribers to Scrambled Cable TV Service

If you subscribe to a cable service which requires the use of a converter/descrambler box, connect the incoming cable to the converter/descrambler box and connect the output of the box to the antenna jack on the back of the television. Follow the connections shown left. Set the television to the output of the converter/descrambler box (usually channel 3 or 4) and use the converter/descrambler box to select channels.



For Subscribers to Unscrambled Basic Cable with Scrambled Premium Channels

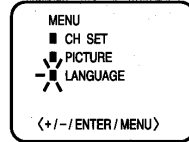
If you subscribe to a cable service in which basic cable channels are unscrambled and premium channels require the use of a converter/descrambler box, you may wish to use a two-set signal splitter (sometimes called a "two-set coupler") and an A/B switch box from the cable installer or an electronics supply store. Follow the connections shown left. With the switch in the "B" position, you can directly tune any unscrambled channels on your TV. With the switch in the "A" position, tune your TV to the output of the converter/descrambler box (usually channel 3 or 4) and use the box to tune scrambled channels.



SETTING LANGUAGE

This TV can display the channel number, on screen displays and picture adjustments on the screen in English, Spanish or French.

- 1** Press the MENU button.
- 2** Press the SET + or – button to select the LANGUAGE mode, then press the ENTER button.
- 3** Press the SET + or – button until the "▶" indicator points to the desired language: English (ENGLISH), Spanish (ESPAÑOL) or French (FRANCAIS), then press the ENTER button.
- 4** Press the MENU button again.

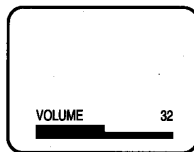


TV OPERATION

1 To turn on the TV, press the POWER button.

2 The VOLUME can be adjusted to a desired level by pressing the VOL (VOLUME) Up or Down button.

The sound level will be indicated on the TV screen by GREEN BARS AND A NUMBER. As the sound level increases, so do the number of BARS AND THE NUMBER on the screen. The same is true for decreasing the level.



3 Set the TV/CATV menu option to the appropriate position. When shipped from the factory, this menu option is in the TV setting. See page 20 "To Memorize Channels".

TV - VHF/UHF channels
CATV - CABLE TV channels

4 **CH (CHANNEL) Up and Down buttons**

Press and release the CH (CHANNEL) Up or Down button. The channel automatically stops at the next channel set into memory. Press and hold the button down to change channels more quickly.

For proper operation, before selecting channels, they should be set into the TV's memory. See pages 20-21 "To Memorize Channels".

DIRECT CHANNEL SELECTION buttons (0-9) - Press these buttons to select a channel. The channel number will appear on the upper right corner of the TV screen.

If an invalid channel number is selected, the display will revert to the original channel.

TV MODE DIRECT CHANNEL SELECTION - When the TV/CATV menu option is in the TV position, all channels can be instantly selected by using two buttons.

(For example, to select channel 2, press "0", then "2". If you press only "2", channel selection will be delayed for a few seconds). For channels 10 and above, press the 2 digits in order.

CATV mode direct channel selection

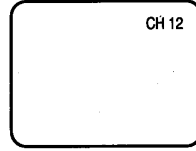
When the TV/CATV menu option is in the CATV position, channels can be selected as follows:

- | | |
|---------|--|
| 1-9 | Press "0" twice, then 1-9 as needed.
Example, to select channel 2, press "002". |
| 10-12 | Press "0", then remaining 2 digits.
Example, to select channel 12, press "012". |
| 13-99 | Press the 2 digits in order.
Example, to select channel 36, press "36". |
| 100-125 | Press the 3 digits in order.
Example, to select channel 120, press "120". |

NOTE: If the station being viewed stops broadcasting, the TV will automatically shut off after 15 minutes.

CALL

When you press this button, the channel number tuned will appear on the upper right corner of the screen. Press the button again to remove display from the screen.



SLEEP

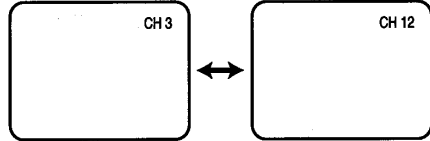
To set the TV to turn off after a preset amount of time, press the SLEEP button on the remote control. The clock will count down 10 minutes each time the button is pressed in the order of 120, 110, 100, 20, 10, 0. After the sleep time is programmed, the display will disappear then reappear momentarily every ten minutes to remind you the sleep timer function is operating.



To confirm the sleep time setting, press the SLEEP button once and the remaining time will be momentarily displayed. To cancel sleep time, press the SLEEP button repeatedly until the display turns to 0.

QUICK VIEW

This button allows you to go back to the previous channel selected by just pressing the QUICK VIEW button. Press this button again to return to the channel you were watching.



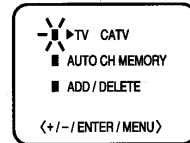
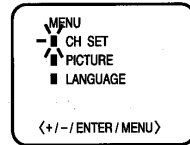
TO MEMORIZE CHANNELS

This TV is equipped with a channel memory feature which allows channels to skip up or down to the next channel set into memory, skipping over unwanted channels.

Before selecting channels, they must be programmed into the TV's memory. In addition to normal VHF and UHF channels, this TV can receive up to 113 Cable TV channels. To use this TV with an antenna, set the TV/CATV menu option to the TV setting. When shipped from the factory, this menu option is in the TV setting.

TV/CATV SELECTION

- 1** Press the MENU button.
- 2** Press the SET + or - button until the indicator next to "CH SET" begins to flash, then press the ENTER button.
- 3** Press the SET + or - button until the indicator next to "TV/CATV" begins to flash.
- 4** Press the ENTER button to select the TV or CATV mode. The arrow indicates the selected mode.
- 5** Press the MENU button twice to return to normal TV viewing.



The chart below is typical of many cable system channel allocations.

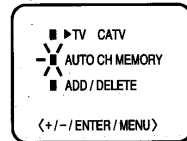
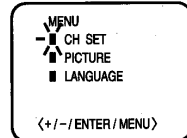
CATV CHART

Number on this TV													14	15	16	17	18	19	20	21	22					
Corresponding CATV channel													A	B	C	D	E	F	G	H	I					
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	S	T	U	V	W	AA	BB	CC	DD
J	K	L	M	N	O	P	Q	R	NN	OO	PP	QQ	RR	SS	TT	UU	VV									
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58									
EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV									
59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	III	JJJ	KKK	LLL	MMM	NNN	OOO	PPP	QQQ
WW	AAA	BBB	CCC	DDD	EEE	FFF	GGG	HHH	III	JJJ	KKK	LLL	MMM	NNN	OOO	PPP	QQQ									
77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	88	87	88	89	90	91	92	93	94
RRR	SSS	TTT	UUU	VVV	WWW	XXX	YYY	ZZZ	88	87	88	89	90	91	92	93	94									
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112									
A-5	A-4	A-3	A-2	A-1	100	101	102	103	104	105	106	107	108	109	110	111	112									
113	114	115	116	117	118	119	120	121	122	123	124	125	01													
113	114	115	116	117	118	119	120	121	122	123	124	125	5A													

NOTE: Contact your cable company to determine the type of cable system used in your area.

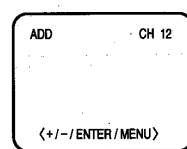
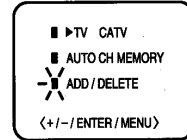
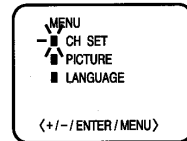
AUTOMATIC CHANNEL MEMORY

- 1 Press the MENU button.
- 2 Press the SET + or – button until the indicator next to "CH SET" begins to flash, then press the ENTER button.
- 3 Press the SET + or – button until the indicator next to "AUTO CH MEMORY" begins to flash, then press the ENTER button. The TV will begin memorizing all the channels available in your area.
- 4 Press the MENU button twice to return to normal TV viewing.



TO ADD/DELETE CHANNELS

- 1 Press the MENU button.
- 2 Press the SET + or – button until the indicator next to "CH SET" begins to flash, then press the ENTER button.
- 3 Press the SET + or – button until the indicator next to "ADD/DELETE" begins to flash, then press the ENTER button.
- 4 Select the desired channels to be memorized or deleted using the Direct Channel Selection buttons (10 keys. 0-9), the CH Up or Down button or the SET + or – button.
5 Press the ENTER button to select ADD or DELETE.
If an unmemorized channel was selected (step 4), the channel indication will be red. Press the ENTER button if you wish to ADD the unmemorized channel. The channel indicator will change from red to green when a channel is added and the channel will be memorized.
If a memorized channel was selected (step 4), the channel indication will be green.
Press the ENTER button if you wish to DELETE the channel from memory. The channel indicator will change from green to red when a channel is deleted.
Repeat Steps 4 and 5 for each channel to be added or deleted.
- 6 Press the MENU button three times after adding or deleting all of the desired channels, to return to normal TV viewing.



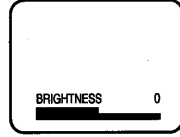
PICTURE CONTROL ADJUSTMENTS

Picture controls are factory preset but you can adjust them individually as follows.

To display picture adjustments on the screen, press the MENU button. Press the SET + or SET - button to select the PICTURE option, then press the ENTER button.

BRIGHTNESS

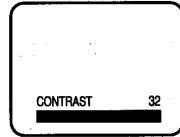
Press the ENTER button until "BRIGHTNESS" appears on the screen, then press the SET + or SET - button to adjust the brightness of the picture. When the SET + button is pressed, the darker portions of the picture become lighter.



CONTRAST

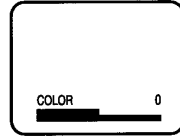
Press the ENTER button until "CONTRAST" appears on the screen, then press the SET + or SET - button to adjust the contrast of the picture. Pictures look sharpest in the daytime (bright light) by increasing the contrast. At night (dim light), the sharpest picture is obtained by reducing the contrast.

NOTE: The CONTRAST default setting is set to maximum at the factory.



COLOR

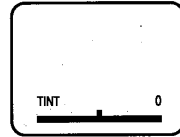
Press the ENTER button until "COLOR" appears on the screen, then press the SET + or SET - button to adjust the color intensity of the picture. The control should be set to where colors appear normal in intensity and brilliance.



TINT

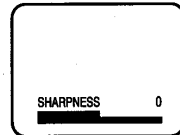
Press the ENTER button until "TINT" appears on the screen, then press the SET + or SET - button to adjust the tint of the picture.

This determines how accurately the colors are reproduced by the TV. Adjusting the tint for natural facial tones is the best method of obtaining accurate color reproduction of the entire picture.



SHARPNESS

Press the ENTER button until "SHARPNESS" appears on the screen, then press the SET + or SET - button to adjust the sharpness of the picture.



RESET

Pressing the RESET button while making picture adjustments will return all picture adjustments to their factory preadjusted levels.

NOTE: The On-Screen display will disappear 6 seconds after finishing an adjustment. The settings can only be adjusted when they are displayed on the TV screen.

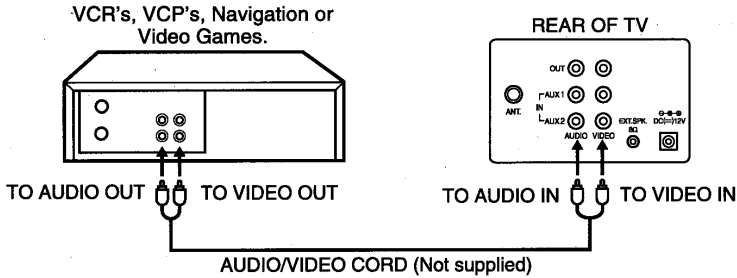
AUDIO/VIDEO JACK CONNECTIONS

The exact arrangement you use to interconnect various video and audio components to the TV is dependent on the model and features of each component. Check the Owner's Manual provided with each component for the location of video and audio inputs and outputs.

The connection diagrams in the following are offered as suggestions. You may need to modify them to accommodate your particular assortment of components. The diagrams are intended to show component video and audio interconnections only.

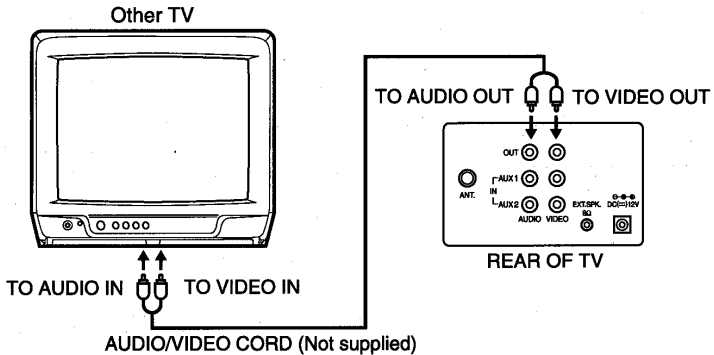
CONNECTION TO AUDIO/VIDEO INPUT JACK

Press the TV/AV button repeatedly select the "AUX 1" or "AUX 2" to the TV as a monitor. The "AUX 1" or "AUX 2" indicator will appear approx. 4 seconds on the screen.



CONNECTION TO AUDIO/VIDEO OUTPUT JACK

Press the TV/AV selector button to select the "TV" mode to connect the other TV.



EXTERNAL SPEAKER JACK

This jack is for the connection of an external speaker or car speaker. (8 ohms)

RECEPTION DISTURBANCE (VHF/UHF Reception)

The most common types of television interference are as follows:



***IGNITION:**

Black spots or horizontal streaks may appear, picture may flutter or drift. Usually caused by interference from automobile ignition systems, neon lamps, electric drills and other electric appliances.



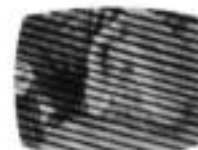
***GHOSTS:**

Ghosts are caused by the television signal following two paths. One is the direct path and the other is reflected from tall buildings, hills or other objects. Changing the direction or position of the antenna may improve the reception.



***SNOW:**

If your receiver is located in the fringe area of a television station where the signal is weak, your picture may be marred by the appearance of small dots. When the signal is extremely weak, it may be necessary to install an external antenna to improve the picture.



***RADIO FREQUENCY INTERFERENCE:**

This interference produces moving ripples or diagonal streaks, and in some cases, causes loss of contrast in the picture.

***PICTURE SIZE VARIATION:**

A slight picture size variation is quite normal when you adjust the **CONTRAST** or **BRIGHTNESS** setting.

NOTE: If one of these symptoms appears on the TV screen when the cable from a CATV company is connected, this may be caused by the local cable company broadcast.

CARE AND MAINTENANCE

CLEANING

To prevent fire or shock hazard, disconnect your unit from the power source when cleaning. The finish on the receiver may be cleaned with a dust cloth and cared for as other furniture. Use caution when cleaning and wiping the plastic parts. Mild soap and a soft, damp cloth may be used.

TROUBLESHOOTING GUIDE

Before requesting service, please refer to the following chart for the symptom and possible solution. For more information, see the corresponding page in this manual.

SYMPTOM	POSSIBLE SOLUTIONS	PAGE
TV does not operate	<ul style="list-style-type: none"> Make sure the power cord is plugged in. Power is off, check fuse of power cord. Check the battery's charge level regularly. 	<p>14</p> <p>14-</p> <p>14</p>
Poor sound or No sound	<ul style="list-style-type: none"> Station or CATV experiencing problems, tune to another station. Check YourTV control. Check for sources of possible interference. 	<p>18, 20</p> <p>18, 19</p> <p>18, 24</p>
Poor picture or No picture	<ul style="list-style-type: none"> Station or CATV experiencing problems, tune to another station. Check antenna, or CATV connections, orient antenna. Check for sources of possible interference. Check picture control adjustments. 	<p>18, 20</p> <p>18, 19</p> <p>18, 24</p> <p>22</p>
Poor reception on some channels	<ul style="list-style-type: none"> Station or CATV experiencing problems, tune to another station. Station signal is weak, orient antenna to receive weaker station. Check for sources of possible interference. 	<p>18, 20</p> <p>18, 19</p> <p>18, 24</p>
Poor color or no color	<ul style="list-style-type: none"> Station or CATV experiencing problems, tune to another station. Make sure channels are set into memory. Check picture control adjustments. Check antenna or CATV connections, orient antenna. Check for sources of possible interference. 	<p>18, 20</p> <p>21</p> <p>22</p> <p>18, 19</p> <p>18, 24</p>
Picture wobbles or drifts	<ul style="list-style-type: none"> Station or CATV experiencing problems, tune to another station. Make sure channels are set into memory. CATV company is over-biasing signal. Check antenna orientation. 	<p>18, 20</p> <p>21</p> <p>18, 20</p> <p>18, 19</p>
No CATV reception	<ul style="list-style-type: none"> Check all CATV connections. Set TV/CATV menu option to the CATV mode. Station or CATV system problems, try another station. 	<p>18</p> <p>18, 20</p> <p>18, 20</p>
Horizontal or diagonal bars on screen	<ul style="list-style-type: none"> Check antenna connections, orient antenna. Check for sources of possible interference. 	<p>18, 19</p> <p>18, 24</p>
No reception (some channels [2])	<ul style="list-style-type: none"> Make sure TV/CATV menu option is in the appropriate mode. If using antenna, check L-PF antenna connections. 	<p>18, 20</p> <p>15</p>
No Remote operation	<ul style="list-style-type: none"> Batteries are weak, dead or inserted incorrectly. Remote is out of range, move closer to TV within 16 feet. Make sure Remote is aimed at sensor. Confirm there are no obstructions between the Remote and the TV. Make sure the power cord is plugged in. 	<p>15</p> <p>15</p> <p>20</p> <p>25</p> <p>14</p>
TV shuts off	<ul style="list-style-type: none"> No broadcast on station tuned. Sleep Timer is set. Power interrupted. 	<p>16</p> <p>20</p> <p>14</p>
Display is not shown in your language.	<ul style="list-style-type: none"> Select proper language in the menu options. 	<p>17</p>

SPECIFICATIONS

Power Source:	DC 12V
Power Consumption:	35 Watts (DC 12V)
Picture Tube:	9" (measured diagonally)
Audio Power Output Rating:	1.2 Watts 8 ohms
Tuner Type:	181 Channel, Quartz PLL Frequency Synthesized
Remote Control:	Infrared, Direct Access, 34 Key, 2 x AAA batteries
Receiving Channels:	
VHF	2-13
UHF	14-69
CATV	01-97 (5A)-(A-3) 98-99 (A-2)-(A-1) 14-22 (A)-(I) 23-36 (J)-(W) 37-65 (AA)-(FFF) 66-125 (GGG)-(125)
Antenna Input Impedance:	75 ohm (VHF/UHF) Coaxial Input
Input Level:	Video: 1 Vp-p / 75 ohms, unbalanced Audio: 300mV/ 51 K ohms, unbalanced
Output Level:	Video: 1 Vp-p / 75 ohms, unbalanced Audio: 300mV/ 1 K ohm, unbalanced
Cabinet:	Monitor Style
Storage Temperature:	-20°C to 60°C (-4°F to 140°F)
Operating Temperature:	5°C to 40°C (41°F to 104°F)
Dimensions:	9-1/8" (W) X 11-3/16" (D) x 8-3/16" (H)
Weight:	11 lbs

ACCESSORIES

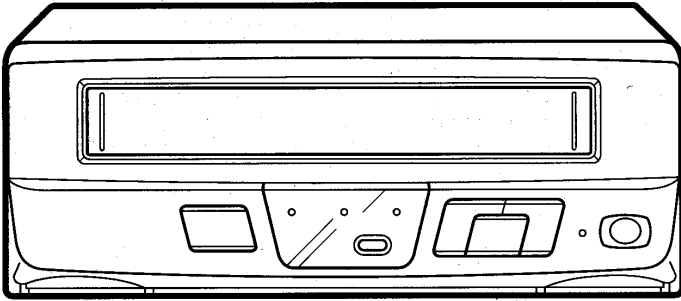
- Remote Control
- Car cord

OWNER'S MANUAL

Memorex®

**DC POWER
VIDEO CASSETTE PLAYER**

VCP1503



IMPORTANT NOTICE

TO PREVENT DAMAGE TO THE TAPE, ALWAYS TURN OFF VCP FIRST BEFORE YOU SWITCH ON OR OFF THE CAR ENGINE IGNITION.



Before operating the unit, please read this owner's manual thoroughly.

SAFETY PRECAUTIONS

Congratulations upon your selection of this *Memorex*® Product. Be sure to read the following Safety Precautions before trying to use it for the first time.

MOISTURE CONDENSATION

DO NOT OPERATE THIS UNIT FOR AT LEAST TWO OR THREE HOURS WHEN MOISTURE IN THE AIR CONDENSES ON THE UNIT.

■ WHAT IS MOISTURE CONDENSATION?

When a cold liquid is poured into a glass, for example, water vapor in the air will condense on the surface of the glass. This is called moisture condensation.

■ MOISTURE WILL CONDENSE ON THE UNIT IN THE FOLLOWING CASES;

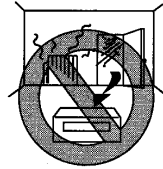
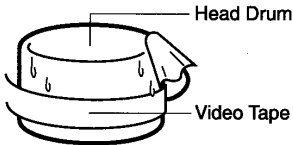
- When you move this unit from a cold to a warm place.
- After heating a cold room or under extremely humid conditions.

■ WHEN YOU EXPERIENCE THE ABOVE CONDITIONS,

The PLAY indicator will flash on and off and all the function buttons except the STOP/EJECT button are made nonoperational to protect the video heads.

In this case, take out the video cassette, leave the VCP turned on and let it remain at room temperature until moisture condensation disappears.

Depending on the surrounding conditions, this may take two or three hours.



- If you cause a static discharge when touching the VCP, and the VCP fails to function, simply unplug the unit from cigarette lighter socket, wait a few minutes, and plug it back in. The unit should return to normal operation.
- Do not place the unit on or near appliances which may cause electromagnetic interference eg. TV, speakers, etc. Doing so may cause erratic operation of the unit including picture and/or sound distortion or noise.
- Avoid locations subjected to extreme heat and cold. 5°C to 40°C (41°F to 104°F)
- Do not place any objects (such as coins etc.) on the top of the unit, which may result in the serious damage.
- Avoid extreme moisture and dust.
- Do not insert fingers or any other objects into the Cassette loading slot. Do not spray cleaner or wax directly on the unit or use forced air to remove dust.
- Keep the unit away from flower vases, sink, etc. If liquids should be spilled into the unit, serious damage will result. If you spill any liquids into the unit, unplug the DC power cord immediately and consult qualified service personnel before attempting to use the unit again.
- The ventilation holes prevent overheating. Do not block or cover these holes. Especially avoid covering the holes with soft materials such as cloth or paper.
- When you finish operating the unit, always eject the cassette and turn off the power.

FEATURES

12V DC Operation - This VCP is designed to operate from a 12V DC car cigarette lighter.

2 Speed Picture Search - 3 or 5 times normal speed in SP mode (5 X or 7 X in LP and 7 X or 9 X in SLP).

Automatic Power On - Playback - Rewind - Stop - Eject - Power Off - When loading the cassette tape, this unit will automatically turn on and play back the cassette tape at the correct speed. When the tape reaches the end, it will automatically stop, rewind, stop, eject the tape and the unit will turn off.

Full Load Tape Transport - Permits rapid access between modes.

Automatic Repeat Play System - When you press the REPEAT button, this unit will automatically play back the same cassette tape repeatedly.

Digital Auto Tracking - Automatically adjusts tracking during playback for the best possible picture.

Audio/Video Output Jacks - These jacks permit connection to a VCR or Monitor/TV for better picture quality or for duplicating video tapes.

This Unit May Be Remote Controlled With The Unified TV/VCP Remote Controller.

***This model is designed for Video Cassette playback. Recording is not possible.**

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We recommended that you carefully read the descriptions and operating procedures contained in this Owner's Manual prior to operating your new VCP.

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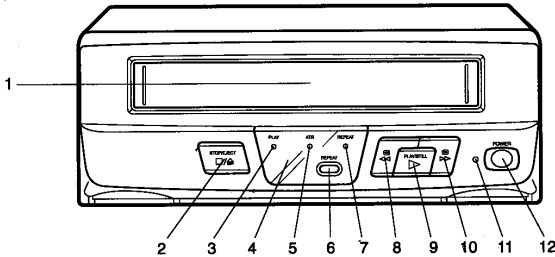
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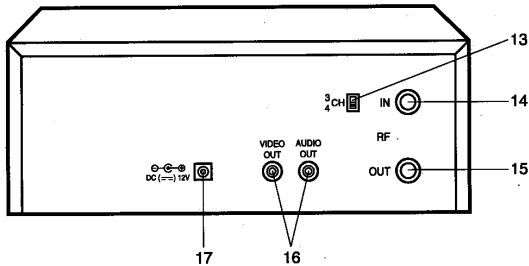
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LOCATION OF CONTROLS

FRONT



REAR



DESCRIPTIONS OF BUTTONS AND REAR PANEL CONNECTORS

FRONT

1. **Cassette Loading Slot** - To insert or remove a video tape.
2. **STOP/EJECT button** - Press once to stop the tape in any mode. Press again to eject the tape.
3. **PLAY indicator** - This lights when the PLAY feature is activated. **When moisture condenses on the VCP, the PLAY indicator will flash on and off.**
4. **Remote Sensor** - Signals from the Remote Control are received here.
5. **ATR (AUTO TRACKING) indicator** - This lights when the DIGITAL AUTO TRACKING feature is activated.
6. **REPEAT button** - When pressed, the VCP will play back the tape over and over until stopped manually.
7. **REPEAT indicator** - This lights when the REPEAT feature is activated.
8. **REW (Rewind) button** - In the STOP mode, this button rapidly winds the tape backwards. In the PLAY mode, this button activates Reverse Search.
9. **PLAY/STILL button** - When pressed in the STOP mode, the tape begins playback. If pressed during playback, it pauses the tape and displays a still picture on the TV screen.
10. **F.FWD (Fast Forward) button** - In the STOP mode, this button rapidly winds the tape forward. In the PLAY mode, this button activates Forward Search.
11. **POWER indicator** - This lights when the power is on. **Or will flash on and off to take up any tape slack at the power recovery after the power interruption of tape rewind or forward mode.**
12. **POWER button** - Turns the VCP power on and off.

REAR

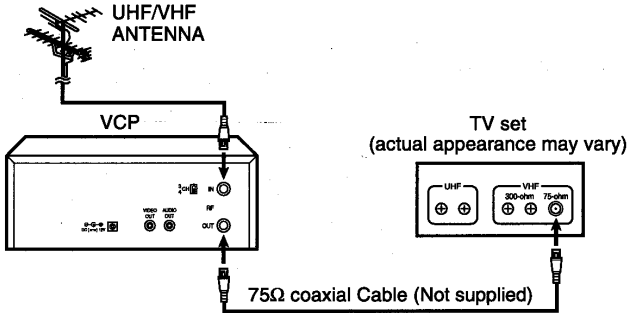
13. **3/4 Channel Selector switch** - Selects the channel through which the VCP outputs its signal to a TV.
14. **RF IN jack** - Connect a VHF/UHF antenna or CATV cable to this jack.
15. **RF OUT jack** - Used to output VHF/UHF or CATV signals to a TV.
16. **AUDIO/VIDEO OUT jacks** - Used to output audio and video signals to a TV, amplifier or VCR.
17. **DC Input jack** - Connect the 12V DC car cord (supplied) here for DC operation.

CONNECTION TO YOUR TV

Below are 2 common methods of connecting your VCP to a TV.

BASIC CONNECTIONS

The VCP must be connected "between" the antenna, and the TV. First, disconnect the antenna from the TV and connect it to the VCP. Then connect the VCP to the TV. After you have connected the antenna to the VCP, you must connect the VCP to the TV.

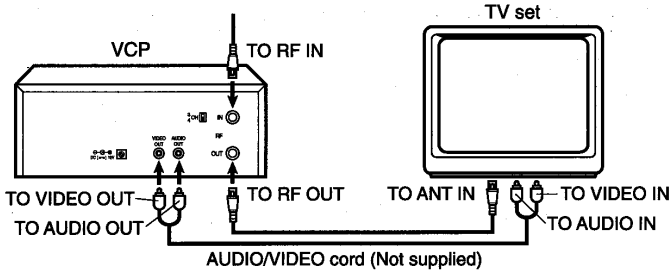


1. Connect the antenna lead to the RF IN terminal of unit.
2. Connect the 75Ω coaxial Cable from the RF OUT terminal of this unit to the RF IN terminal on the back of your TV.

- When connecting this way, the TV must be tuned to the VCR RF Out Channel.

CONNECTION TO A TV WITH AUDIO/VIDEO JACKS

If your TV has AUDIO IN and VIDEO IN jacks, you can connect your VCP to them to receive a higher quality picture and sound.



1. Connect the VIDEO OUT jack on the VCP to the VIDEO IN jack on the TV.
2. Connect the AUDIO OUT jack on the VCP to the AUDIO IN jack on the TV.
3. Set the VIDEO/TV selector on the TV to "VIDEO"

NOTE: CONNECTION TO A CATV

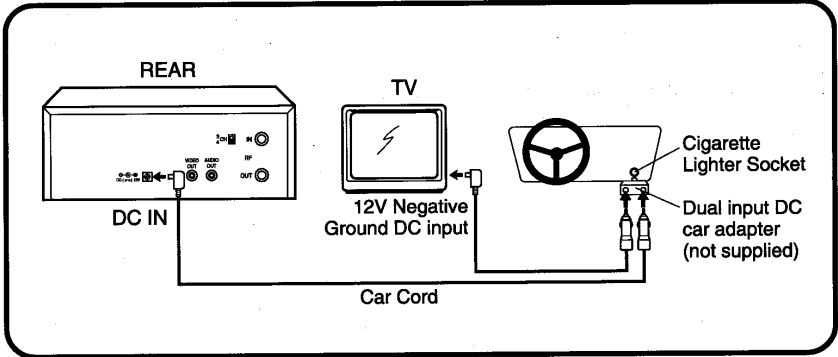
The VCP must be connected "between" the cable from cable company and the TV. First, disconnect the cable from the TV and connect it to the VCP. Then connect the VCP to the TV.

POWER SOURCE

DC POWER SUPPLY

A DC car cord is supplied with the unit.

The car cord has been designed for use with external DC power (12 volt with negative ground).



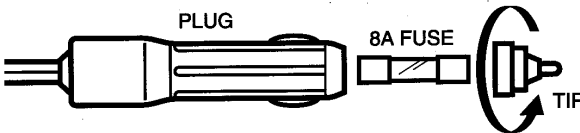
Plug one small plug into the DC input jack on the rear of the VCP, then plug into the one jack of the Dual input DC car adapter (not supplied) connected to the car cigarette lighter socket. If you use a TV with DC power, connect to another jack of a dual input DC car adapter. Make sure that the cord makes a firm connection. It may be necessary to try several insertions, rotating the plug for proper electrical connection.

NOTE: • **ALWAYS TURN OFF VCP FIRST BEFORE SWITCH ON OR OFF THE IGNITION OF CAR ENGINE.**

- Make sure that the negative terminal of the battery is grounded. This set is designed for use with negative ground system only.
- Use the supplied car cord only.
- When the VCP is not in use, always disconnect it from the car cigarette lighter socket to avoid a battery drain.
- If the VCP is to be directly connected to a 12V DC power source, for example, recreational vehicle (RV) applications, make sure the power cord is connected after the ignition switch to avoid battery drain.
- Do not operate the VCP if the car battery is weak. Peak current from the car alternator could blow the DC fuse.
- In case of connecting to the TV (*Memorex*® TVM0903), refer to its owner's manual.
- Check the battery's charge level regularly when the VCP is used in a vehicle.

REPLACING THE FUSE IN THE CAR BATTERY CORD PLUG

If the fuse in the car battery cord plug blows, replace it with a new 8 A fuse (Fast Blow Type) as shown below. Unscrew the tip of the plug to remove.



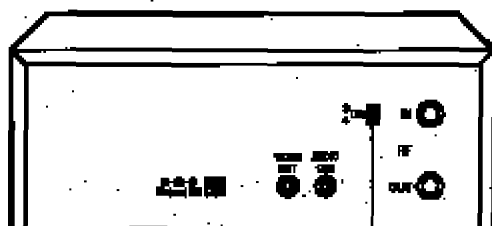
SETTING THE VIDEO CHANNEL

To view playback of a recorded tape, the TV must be set to channel 3 or 4 (video channel). The VCP 34 Channel Selector switch must also be set to channel 3 or 4 as shown below. If you have used a Audio/Video cable you should not have to follow this procedure. Simply select the VIDEO mode on your TV.

- 1** Press the POWER button to turn the unit on.



- 2** Set the 3/4 Channel selector switch to CH 3 or 4.



2

- 3** Turn ON the TV and set to CH3 or 4 to correspond with the channel selector in **2**.



For a push-button TV tuner

If CH 3 or 4, corresponding to the video channel cannot be tuned on your TV, or is not broadcasting in your area, proceed as follows: set the VCP 34 channel selector switch and the TV to CH 3 or 4. Play back a pre-recorded tape and tune the TV to receive a sharp color picture from the video cassette player. Refer to your TV owner's manual for details.

LOADING AND UNLOADING THE VIDEO CASSETTE TAPE

Use only video cassette tapes marked **VHS**.

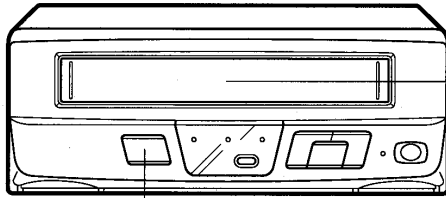
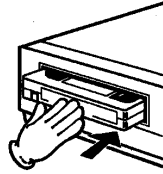
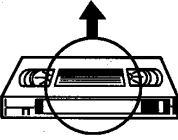
LOADING

Gently push the center of the tape until it is automatically retracted.

AUTOMATIC POWER ON AND PLAY

When loading a cassette tape, this video cassette player will turn on automatically and playback will start immediately. The POWER, and PLAY indicators will light.

Insert the cassette with its labeled side facing you. An inverted cassette cannot be inserted.



UNLOADING

1

To unload a cassette, press the STOP/EJECT button in the STOP mode.

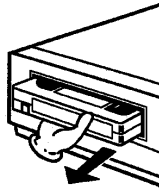


AUTOMATIC EJECT

If the video cassette player automatically rewinds the tape to the beginning (AUTO REWIND FEATURE), the tape will be ejected automatically.

2

Remove the cassette.



NOTE: • Always eject the tape when not in use.

• The cassette can be ejected even if the POWER button is "OFF".

PLAYBACK

TO START PLAYBACK

1 Press the **POWER** button on the unit or on the remote control to turn the unit on and set the TV to the Video position.



2 Load a prerecorded tape. (When loading a cassette tape, the video cassette player will turn on, the **PLAY** indicator will light and playback will start automatically.)



2



1

TO STOP PLAYBACK

Press the **STOP/EJECT** button (or the **STOP** button on the Remote Control) once. The tape will stop but remain fully loaded and ready to play. If you are not going to resume play, press the **STOP/EJECT** button to eject a tape.



TO START PLAYBACK AGAIN

Press the **PLAY/STILL** button (or the **PLAY** button on the Remote Control) once.



NOTE: To prevent damage to the tape, always turn off VCR first before you switch on or off the car engine ignition.

TO REWIND OR FORWARD THE TAPE RAPIDLY

Press the REW button in the STOP mode.

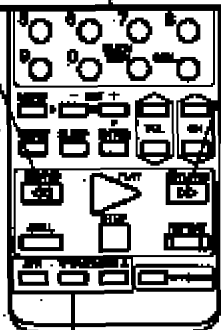


If you want to see the tape program during REW mode, press and hold the REW button. The backward visual search picture will be seen on the screen. Release to return to the REW mode.

Press the F.FWD button in the STOP mode.



If you want to see the tape program during FWD mode, press and hold the F.FWD button. The forward visual search picture will be seen on the screen. Release to return to the FWD mode.



DIGITAL TRACKING CONTROLS

When a tape is played, the Digital Auto Tracking System automatically adjusts the tracking to obtain the best possible picture. The ATR (AUTO TRACKING) indicator blinks while the system is searching for optimum tracking. The ATR indicator stops blinking and remains lit as long as automatic tracking continues. If noise bars appear during playback, adjust the tracking manually:

- Press the TRACKING ▲ or ▼ button to obtain the best possible picture. To resume automatic tracking, press the AUTO TRACKING button.



SPECIAL EFFECTS

TO VISUALLY SEARCH FOR DESIRED POINTS

When either the F.FWD or REW button is pressed in the PLAYBACK mode, the speed search picture will appear. When pressed twice, the search picture will increase speed. Speed search time depends upon the speed used (SP, LP or SLP) during recording. See chart below.

To rewind or fast forward a tape, press the STOP button, and then press the REW or F.FWD button.

To visually search backward, press the REW button once or twice in the PLAYBACK mode.



Press the PLAY button (or the PLAY/STILL button on the VCP) once to resume normal viewing speed.

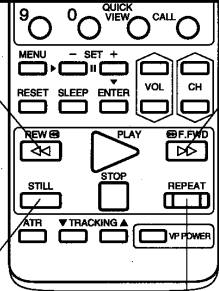
To visually search forward, press the F.FWD button once or twice in the PLAYBACK mode.



Press the PLAY button (or the PLAY/STILL button on the VCP) once to resume normal viewing speed.

SPEED SEARCH TIMES

TAPE SPEED	PICTURE SEARCH SPEED	
	PRESS ONCE	PRESS TWICE
SP (Standard Play)	3 X	5 X
LP (Long Play)	5 X	7 X
SLP (Super Long Play)	7 X	9 X



TO WATCH A STILL PICTURE

Press the STILL button (or the PLAY/STILL button on the VCP) in the PLAYBACK mode.



Press the PLAY button on the Remote Control or the PLAY/STILL button on the VCP once to resume normal playback.

TO WATCH A TAPE REPEATEDLY

Press the REPEAT button (the REPEAT indicator will light) and the tape will play over and over until the repeat mode is cancelled. To cancel repeat mode, press this button again.



NOTE: • Best results during speed search playback can be obtained with cassette tapes recorded in the "SLP" mode.

- The audio output is muted during SPEED SEARCH and STILL.
- A few noise bars will appear on the picture during SPEED SEARCH.
- To prevent damage to the tape, STILL playback is automatically changed to the PLAYBACK mode after 5 minutes.

BEFORE REQUESTING SERVICE

Check the following chart for the symptom(s) you are experiencing.

SYMPTOMS	CAUSES	POSSIBLE SOLUTIONS	PAGE
POWER			
No power	The DC car cord is not plugged into the cigarette lighter socket.	Connect the DC car cord to the cigarette lighter socket.	13
	The DC car cord fuse is blown.	Replace the fuse.	13
Power is on-no operations	Cassette is not inserted.	Insert cassette.	15
	Moisture condenses on the video heads.	The PLAY indicator is flashing on and off. Wait two or three hours until it goes off.	5
PLAYBACK			
No picture when playing back a recorded tape.	The TV is not set to the Video channel 3 or 4.	Set the Video channel to 3 or 4 position on your TV. (When a TV is connected with an antenna cable)	14
Noise bars on the screen.	Tracking adjustment beyond range of automatic tracking circuit.	Adjust tracking manually using the TRACKING ▲ and ▼ buttons on remote control.	17
	Video heads are dirty.	Clean the video heads.	20
	The tape is worn or damaged.	Try another tape.	—

VIDEO HEAD CLEANING

VIDEO HEAD CLOGGING

The video heads are the means by which the VCP reads the picture from the tape during playback.

In the unlikely event that the heads 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 no picture (picture is extremely snowy). If this is the case, have the video cassette player checked by qualified service personnel.



Good Picture



Snowy Picture

VIDEO HEAD CLEANING

AUTO HEAD CLEANING system cleans the video heads automatically when a cassette is inserted or ejected to prevent dirt from accumulating on the heads. However, manual head cleaning is needed if the picture on playback is still unclear although the picture on program is normal. This failure signifies that the head is getting dirty and occurs when playing poor quality or damaged tapes. If the heads require cleaning, use a high quality head cleaning system or have them cleaned professionally.

- NOTES:**
- DO NOT ATTEMPT TO CLEAN THE VIDEO HEADS OR SERVICE THE UNIT BY REMOVING THE TOP COVER.
 - Video heads may eventually wear out and should be replaced when they fail to produce clear pictures.
 - To help prevent video head clogging, use only good quality VHS tapes. Discard worn out tapes.

SPECIFICATIONS

Video Playback System:	VHS, 2 Rotary Heads Helical Scanning System
Video Signal:	NTSC Color
Cassette Tape:	VHS
Audio Track:	1 Track
Video Output:	RCA 1Vp-p 75 ohm unbalanced
Audio Output:	RCA -5dB 1K ohm unbalanced
Tape Speed:	SP: 5.25 mm/sec LP: 18.87 mm/sec SLP: 11.12 mm/sec
F.FWD/REW Time:	2' 30" with T120 tape
Speed Search:	SP 3 & 6 X Normal Speed LP 5 & 7 X Normal Speed SLP 7 & 9 X Normal Speed
Power Source:	12V DC
Power Consumption:	8.8W at DC 12V
Storage Temperature:	-20°C to 50°C (-4°F to 140°F)
Operating Temperature:	5°C to 40°C (41°F to 104°F)
Dimensions:	10"(W) X 12.4"(D) X 3.7"(H)
Weight:	8.8 lbs (3.0kg)
Accessories:	Car battery cord

Specifications are subject to change without notice.