

Installation and Operating Guide | Warranty

Model Number | ES-191M | Video Cassette Player



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Safety Precautions



WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: TO REDUCE THE RISK
OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.



This 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 product.

NOTE TO CABLE/TV INSTALLER: This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code 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 the cable entry as practical.

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

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

WARNING: Do not install this equipment in a confined space such as a bookcase or similar unit.

SERIAL NUMBER: The serial number is found on the back of this unit. This number is unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase.

Model No. _____
Serial No. _____

REGULATORY INFORMATION:

FCC Part 15

This product 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 when the product is operated in a residential installation. This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 product and receiver.
- Connect the product 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.

FCC WARNING: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

FCC COMPLIANCE: The responsible party for this product's compliance is: Zenith Electronics Corporation, 2000 Millbrook Drive, Lincolnshire, IL 60069, USA.
Phone: 1-847-941-8000

MOISTURE CONDENSATION

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. Moisture condensation on the head drum, one of the most crucial parts of the unit, will cause damage to the tape. When the VCP is exposed to a rapid temperature change from cold to warm, some condensation will occur. Under this condition, connect the power cord to the AC line, press **POWER** on and allow at least two hours for the VCP to dry out.

IMPORTANT COPYRIGHT INFORMATION: Many television programs and films are copyrighted. In certain circumstances copyright law may apply to private in-home video taping of copyrighted materials.



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS IN THIS OWNER'S MANUAL. AND THOSE MARKED ON THE PRODUCT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This product has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this product will protect you if you observe the following procedures for installation, use, and servicing.

This product does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

- 1. Read these instructions.** - All these safety and operating instructions should be read before the product is operated.
- 2. Keep these instructions.** - The safety, operating and use instructions should be retained for future reference.
- 3. Heed all warnings.** - All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow all instructions.** - All operating and use instructions should be followed.
- 5. Do not use this product near water.** - For example: near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement; or near a swimming pool; and other areas located near water.
- 6. Clean only with dry cloth.** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**

IMPORTANT SAFETY INSTRUCTIONS

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with apparatus. When a cart is used, use caution when moving the cart/product combination to avoid injury from tip-over.
13. Unplug this product during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.



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Note: This video cassette player is for video playback only. Recording is not possible with this unit.

Hook-up

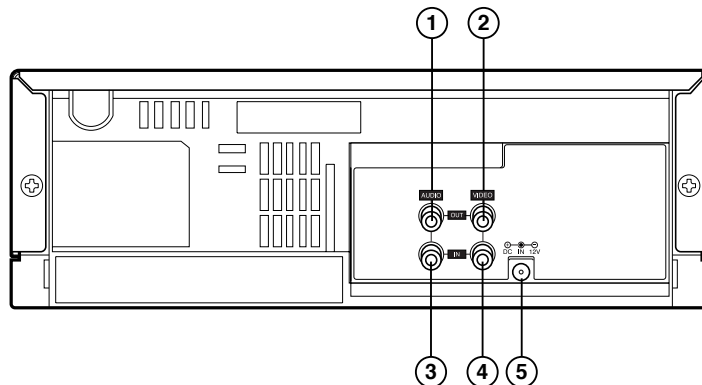
Refer to the following steps to hook up your Video Cassette Player easily and quickly.

Step 1: Identify the Connectors and Switches

Locate the following connectors and switch on the back of your VCP;

- 1. Audio Out Jack**
Audio output must be used in conjunction with video out connection.
- 2. Video Out Jack**
Video output must be used in conjunction with audio out connection.
- 3. Audio In Jack**
Connect the audio output cable from an external unit (ex. Audio system, TV/Monitor, Another VCP) to this terminal.
- 4. Video In Jack**
Connect the video output cable from an external unit (ex. Audio system, TV/Monitor, Another VCP) to this terminal.
- 5. DC Input Jack**
Input from optional DC power source.

Note: Use of the Audio/Video Output jacks is optional. Depending on the capability of your TV, you may get improved picture quality when using these connections.



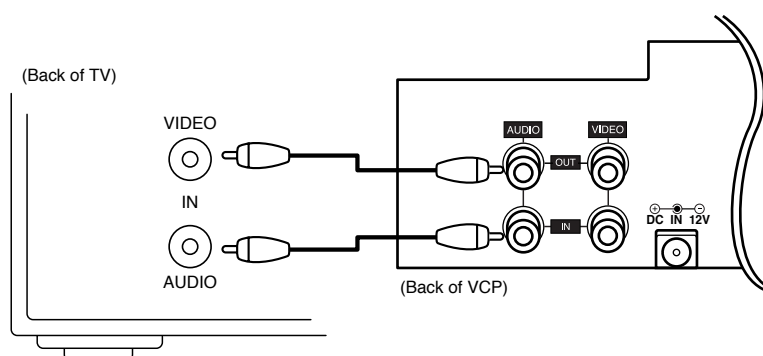
Hook-up (Continued)

Step 2: Connect VCP to the TV

Refer to the following illustration to properly connect the VCP to your TV.

1. Connect one end of the audio/video cable supplied with your VCP to the audio/video output terminal of the VCP.
2. Connect the other end of the cable to the audio/video input terminal on your TV.

Figure 3: Connecting the VCP to Your TV

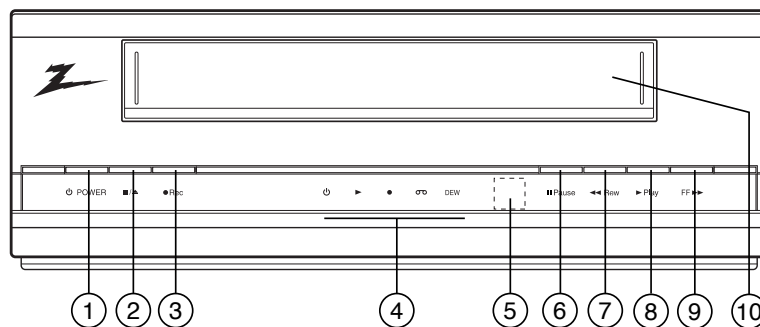


Step 3: Supply Power to the VCP

1. Plug the AC adapter power cord into an operating 120V AC outlet and the other end into the DC input on the back of the VCP, **or**
2. Using the adapter cord, plug one end of the cord into a 12 volt negative ground DC source (such as the cigarette lighter socket of a car) and the other end into the DC input on the back of the VCP.

Controls and Indicators

Descriptions of items you need to know to operate your VCP.



Controls and Indicators

1. **POWER**
Turns the VCP on or off.
2. **STOP/EJECT**
Stops playback, fast forward, reverse, rewind, or speed search. Cancels automatic modes of operation.
Ejects a cassette from the video cassette compartment. If pressed while the VCP is turned off, the power will turn on, the cassette will be ejected, then the power will turn off automatically.
3. **REC**
Press to record input source.
4. **POWER Indicator**
Indicates that the power is on.
PLAY Indicator
Indicates tape is playing.
RECORD Indicator
Indicates tape is fast forwarding.
CST.IN (Cassette In) Indicator
Indicates a cassette is in the VCP.
DEW Indicator
Excessive condensation. Keep power on until indicator turns off.
5. **REMOTE SENSOR WINDOW**
Receives infrared rays from remote control unit.
6. **PAUSE**
Press during tape playback to pause the tape and "freeze" the picture. Press PLAY to resume normal playback. If left in the Still mode for five minutes, the VCP will automatically go into Stop mode to protect the tape and the VCP from possible damage. Press during recording to pause recording.
7. **REW (Rewind/Reverse Search) Button**
Press while the VCP is in Stop mode to rewind the tape (no picture, no sound). During tape playback, press to begin Reverse Search; The picture portion of the tape is played in the reverse direction at high speed (sound is muted). Press STOP to end rewind or search.
Press and hold while Rewind mode to begin logic search, you can check what is on the tape. When released, rewinding resumes.

(continued on next page)

Controls and Indicators (Continued)

8. FF (Fast Forward/Forward Search)

Press while the VCP is in the Stop mode to fast forward the tape (no picture or sound). During tape playback, press to begin Forward search; The picture portion of the tape is played at high speed (the sound is muted). Press STOP to end fast forward or search.

Press and hold while Fast forward mode to begin logic search, you can check what is on the tape. When released, Fast forwarding resumes.

9. PLAY

Begins tape playback. The correct playback speed is automatically selected.

10. Cassette Loading Compartment

Insert a VHS video cassette into the video cassette compartment until it is automatically drawn into the VCP. The cassette can be inserted even when power is off.

CAUTION: DO NOT attempt to insert a cassette into the compartment when the power cord is unplugged.

CAUTION: DO NOT insert fingers into the cassette compartment.

Playing a Video Cassette

- Turn on the TV.
- If the connection is made via the VCP's Audio/Video Out jacks, your TV must be set to receive audio and video from an auxiliary source. (Refer to your TV operating instructions.)
- Press PLAY to begin playback. If necessary, use the TRK (TRACKING) control to adjust for the best picture.

The Buttons on Your Remote

A quick list of all the buttons on your remote control and what they do.

EJECT — Ejects the tape from the VCP.

ENTER — To display functions on the TV screen. Switches the selected item on the MENU screen.

FF (Fast Forward)—Advances tape rapidly.

MENU — Shows and exits main menu.

PAUSE — Press during tape playback to pause the tape and "freeze" the picture. Press PLAY to resume normal playback. If left in the Still mode for five minutes, the VCP will automatically go into Stop mode to protect the tape and the VCP from possible damage. Press during recording to pause recording .

PLAY — Begins tape playback.

POWER — Turns VCP On and Off. Also turns VCP Timer Off and On, if programmed.

REW — Rewinds tape to the beginning.

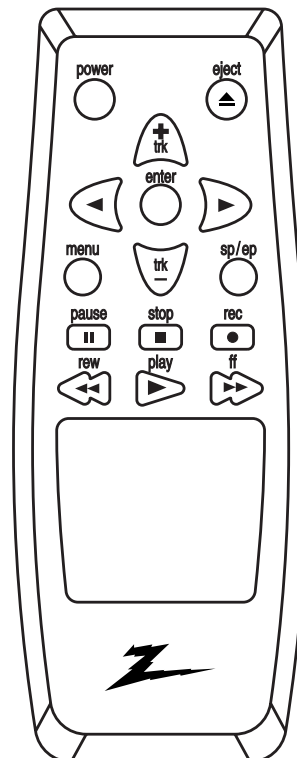
STOP — Cancels playback record modes.

REC — Press to record input source.

TRK (Tracking) (+/-) — To clear streaks if they appear on the TV screen in the playback mode.

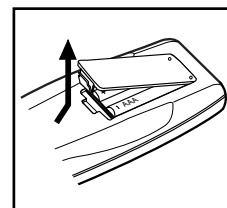
SELECT (◀/▶) — Select the desired items on the MENU screen.

SP/EP — Select recording speed.



Installing Batteries

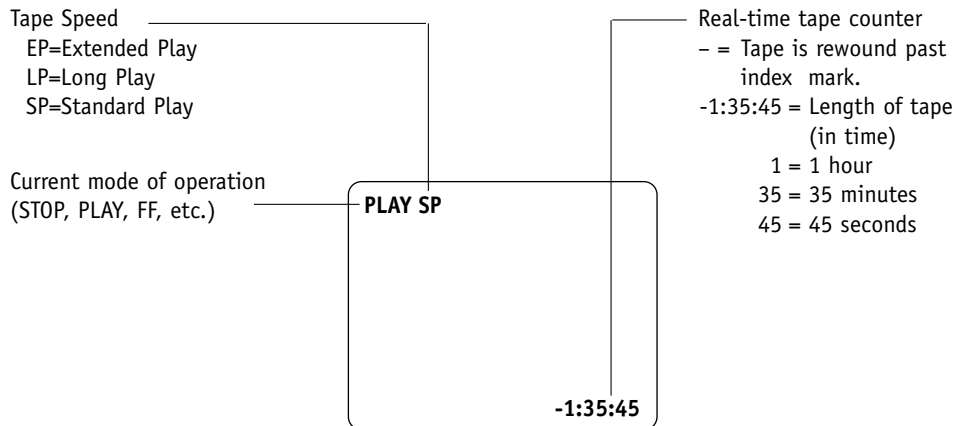
Be sure to install the batteries provided with this remote. Match positive (+) and negative (-) with markings shown in battery compartment.



Note: All VCP operations and menu options can be accessed by using the remote control.

VCP Status Displays

On-Screen displays tell you the status of the tape inserted and VCP functions.



Typical VCP Status Display on TV

VCP Status Display

The VCP Status Display appears on the TV when a VCP function starts, like when you select a different VCP mode. For example, pressing STOP while the VCP is in PLAY mode shows STOP in the display. Press DISPLAY on the remote at any time (except Special Effects Playback mode; STILL etc.) to see the Status Display.

Note:

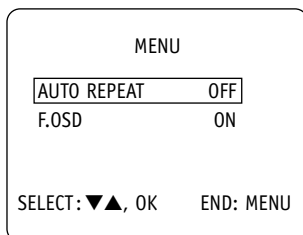
If the VCP Status Display does not appear on the TV screen, check the FUNCTION OSD option on the MENU. Select ON to see the display. See "How to using menu" section for details.

VCP Status Display Options

When the Status Display appears, press DISPLAY repeatedly to see abbreviated displays, as follows:

1. Press DISPLAY to see Status Display.
2. Press DISPLAY to remove the displays, or wait a few seconds and the displays are removed.

How to using menu



How to Access Menu

- 1 Press MENU to see menu.
- 2 Press the SELECT (▼/▲) to choose desired option to be changed. Then you set desired mode by pressing the OK button repeatedly.
- 3 Press MENU to exit menu, or wait a few minutes and the VCP returns to normal operation.

AUTO REPEAT

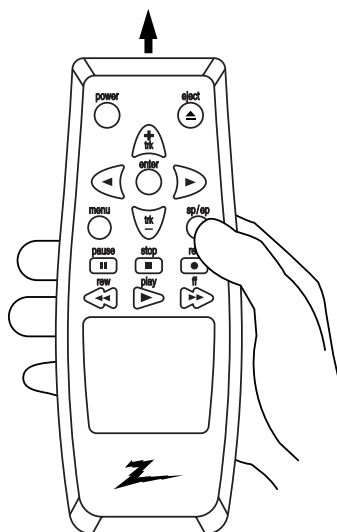
If you want to play back tape repeatedly, set AUTO REPEAT option to ON.

- When the end of the tape is reached, the unit automatically rewinds the tape to the beginning and repeats playback continuously.
- If you release this function, set the AUTO REPEAT to OFF mode.

F.(Function) OSD

Switches the on-screen display ON or OFF.

Point remote toward VCP



Troubleshooting and Maintenance

Before requesting Warranty service, please refer to the chart below. It may help you avoid a service call.

Operating Problems		
Observed Condition	Possible Cause	Probable Solution
No power to the VCP.	Power cord is not connected.	Connect it.
Playback Problems		
The tape will not rewinds	Tape is already fully rewind.	No action is necessary.
Operating sound is audible during playback, rewind, fast forward. etc.	Normal condition.	No action is necessary.
The playback picture does not appear while the tape is running.	You are using the VCP audio/video Out jacks but the TV is not set to AUX channel or Audio/Video In source.	Set the TV to AUX channel or Audio/Video In source.
Noise appears during search and still pictures.	Normal condition.	No action is necessary.
Noise appears during playback.	The tracking needs to be adjusted.	Adjust tracking.
Playback picture is blurred or interrupted while normal TV picture is clear.	Video heads may be dirty.	Head cleaning is necessary. Consult your local Zenith video retailer.
Cassette cannot be inserted into VCP.	The cassette is being loaded backwards or upside down or another cassette is already loaded.	Load cassette in direction Indicated by arrow on cassette, or remove the cassette that is loaded already.
	Power cord is not connected.	Connect power cord.
Remote control does not work.	Batteries are not installed or old.	Install or replace with new batteries.
DEW Indicator is lit.	Excessive condensation.	Keep power on until indicator turns off.

Maintenance

Video Head Cleaning

After long periods of use, the video heads may become clogged with accumulated dirt, causing distortion (snow, streaking in picture and horizontal pulling of picture). When this occurs, use do-it-yourself VHS wet head cleaning cassettes available through your Zenith video product retailer.

Caution: Do not use dry head cleaning systems. They may seriously damage both the video cassette player and cassette.

Cabinet Cleaning

Clean the outside surfaces of the VCP with a soft, lint-free cloth as required.

Specifications

Power Requirements

RatingAC 120V, 60Hz
DC 12V, Neg. Ground (850mA)

Environmental Conditions

Operation41°F to 95°F (5°C to 35°C) Temperature
35 to 80% Relative Humidity
Storage-4°F to 140°F (-20°C to 60°C) Temperature
5 to 80% Relative Humidity

Physical Characteristics

Dimensions(W x H x D)10.6 x 3.7 x 12.8 Inches(270 x 94 x 325 mm)
Weight6.4 lbs (2.9 kg)

Video System

FormatVHS 1/2 Inch (12.7 mm) Tape
SignalNTSC color/EIA monochrome
(525 lines/60 fields)
Input1.0 Vp-p
Output1.0 Vp-p
Signal-to-Noise ratio≥ 43 dB (SP speed)

Audio Systems

Monaural1 channel standard VHS
Frequency Response200 to 8,000 Hz (SP speed)
Signal-to-Noise ratio≥ 38 dB (SP speed)
InputMinus 6 dBm ≥ 47 kohms
OutputMinus 6 dB into ≤ 1,500 ohms

Note: Specifications, features, and appearance of this Video Cassette Player are subject to change without notice. Weight and dimensions are approximate.

Notes

**ZENITH ELECTRONICS CORPORATION
VCP LIMITED WARRANTY-USA**

Zenith will repair or replace your product, at Zenith's option, if it proves to be defective in material or workmanship under normal use, during the warranty period listed below from the date of original consumer purchase. **This warranty is available only to the original purchaser of the product and effective only when used in the United States, excluding U.S. Territories.**

WARRANTY PERIOD:		<u>HOW SERVICE IS HANDLED:</u>
Labor:	90 Days from date of purchase	In-Home service: Please retain your bill of sale for proof of warranty Please call 1-877-9Zenith (1-877-993-6484) to locate your nearest Zenith Authorized Service Center. Please see below for further information.
Parts:	One Year from the date of purchase	

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. ZENITH WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION LOST PROFITS, LOST OR CORRUPTED PROGRAMMING OR DATA, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

THIS LIMITED WARRANTY DOES NOT APPLY:

To damages or problems that result from shipping, installation, calibration, maintenance, or separate system components.

To damages or problems that result from misuse, abuse, operation outside environmental specifications or contrary to the requirements and precautions in the Operating Guide, accident, lightning strikes or other natural causes, modification or alteration, incorrect electrical current or voltage, signal reception or input.

Therefore, the cost of repair or replacement under these circumstances is borne by the customer.

CUSTOMER ASSISTANCE NUMBERS:

To prove warranty coverage:	Retain your dated sales receipt to prove date of purchase. Legible copy of your sales receipt must be submitted at the time warranty service is provided.
To obtain where-to-buy, nearest Authorized Service Center, product assistance or customer assistance:	Call 1-877-9Zenith (1-877-993-6484) (Mon. - Fri. 7AM to 8 PM and Sat. 8AM to 5:00PM CT) Please select the appropriate option from the menu.

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