

—TENTATIVE—

PalmCorder®
PalmSight™

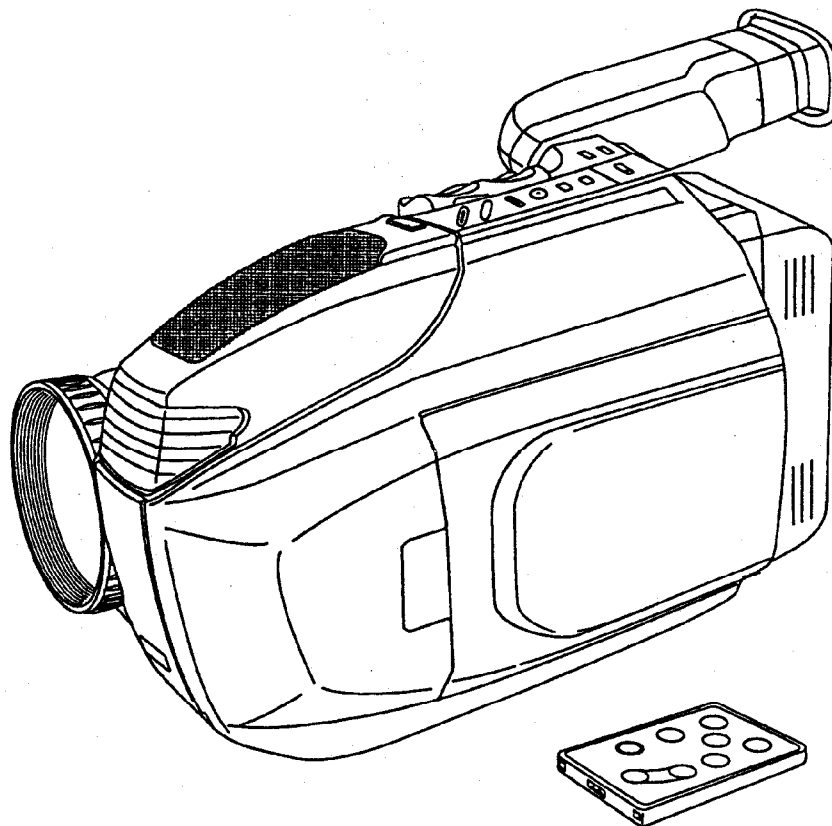
Panasonic®

VHS

EXHIBIT # 5
FIG NO. _____
FCC ID: ACJ927137K
MODEL NO. PV-L751D
OUR REF.: MKES00- E013

Camcorder
Operating Instructions

Model No. **PV-L751**



Please read these instructions carefully before attempting to operate this product.
Please save this manual.

Guía para rápida consulta en español está incluida.

For assistance, please call : 1-800-211-PANA(7262) or
send e-mail to : consumerproducts@panasonic.com

LSQT0359A

Getting Started

Basic Operation

Special Features

For Your Information

Things You Should Know

Thank you for choosing Panasonic!

You have purchased one of the most sophisticated and reliable products on the market today. Used properly, it will bring you years of enjoyment. Please take time to fill in the information at the right.

The serial number is on the tag located on the rear side of your Camcorder. Be sure to **retain this manual** as your convenient Camcorder information source.

Date of Purchase

Dealer Purchased From

Dealer Address

Dealer Phone No.

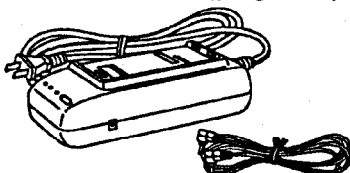
Model No.

Serial No.

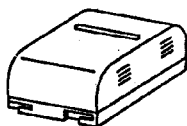
Unpack your Camcorder

These accessories are provided in order to set up or use your Camcorder.

1 pc. AC Adaptor
(PV-A19) with DC
Power Cable (page 10)



1 pc. Battery Pack
(PV-BP18) (pages 9, 10)



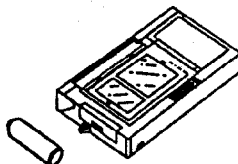
1 pc. Audio/Video Cable
(LSJA0283/VJAW0032/
VJAW0039) (pages 21, 22)



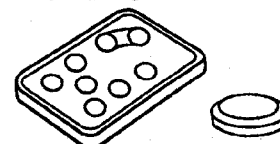
1 pc. Shoulder Strap
(VYCW0225) (page 50)



1 pc. VHS PlayPak
(PV-P1/VYMW0009) and
one "AA" battery (page 21)



1 pc. 8-Function Remote
(VSQW0038) with one CR2025
Battery. (page 19)

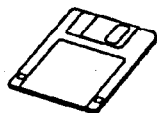


1 pc. CR2025 Clock
Battery (VSBW0004)
(installed in Camcorder)
(page 51)



Remote has been loaded with
battery. (page 35)

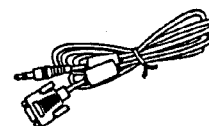
1 pc. Digital PhotoShot
Disk for Windows 95/98
(LSFTXXXX) (page 42)



1 pc. CompactFlash Card
[8 MB] (LSFA0009B)
(page 34)



1 pc. PC Connection cable
(RS232C-2.5P)
(LSJA0276) (page 42)



CompactFlash Card is a trademark of SanDisk Corporation.

Microsoft and Windows are registered trademarks of Microsoft in the United States and other countries.

All product/brand names are trademarks or registered trademarks of the respective holders.

Things You Should Know





Safety Precautions

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

Your Compact VHS Camcorder is designed to record and play back in Standard Play (SP) and Super Long Play (SLP) modes. You can also play a Compact VHS Camcorder recording on your VHS VCR using the VHS PlayPak supplied.

This Camcorder is equipped with the HQ System to provide excellent video pictures, and is compatible with standard VHS equipment.

It is recommended that only cassette tapes that have been tested and inspected for use in VCR machines with the **VHS-C** and/or **VHS** mark be used.

| | | | | |
|---|---|---|---|--|
|  | CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN |  |  | This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit. |
| 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 | | |  | This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems. |

The above markings are located on the appliance's bottom cover.

FCC Warning : To assure continued FCC compliance, the user must use only provided shielded interfacing cable with ferrite cores when connecting to computer. Also, any unauthorized changes or modifications to this equipment would void the users authority to operate.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device and a RF Lighting device, pursuant to part 15 and Part 18 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.

Supplying Power

Battery Care

Caution:

- Charge only with specified charger.
- Battery can be charged within a temperature range of 10 °C (50 °F) and 35 °C (95 °F).
- Battery is normally warm after charging or just after use.
- Do not use an insufficiently charged or worn-out Battery.

Safety precautions:

- Do not get Battery near, or dispose of in fire.
- Do not directly connect (short circuit) the positive (+) and negative (-) terminals.
- Never attempt to disassemble or reassemble Battery.

To avoid Battery damage:

- Do not drop or jar Battery.
- Use Battery with specified units only.
- If Battery is used in extremely high temperatures, a safety device will automatically prevent operation.

To prolong Battery life:

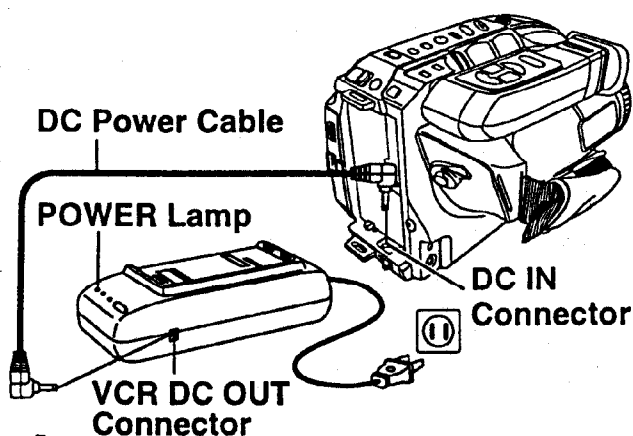
- While not in use, remove Battery from the Camcorder and AC Adaptor and store in a cool, dark, dry place.
- Keep Battery terminals clean.

U.S.A. CONSUMERS: ATTENTION:



The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.

AC Adaptor



- 1 Connect AC Adaptor VCR DC OUT to Camcorder DC IN with supplied DC Power Cable.

- 2 Plug in AC Adaptor. POWER Lamp lights.

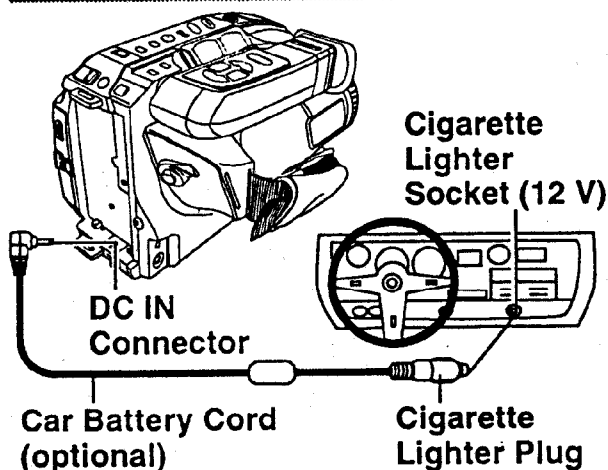
Note:

- While the DC Power Cable (supplied) is connected to the AC Adaptor, the Battery cannot be charged.
- When not in use, unplug AC Adaptor from AC outlet. (Adaptor uses 1.2 W of electricity while plugged in.)

CAUTION:

This unit will operate on 110/120/220/240 V AC. An AC plug adaptor may be required for voltages other than 120 V AC. Please contact either a local or foreign electrical parts distributor for assistance in selecting an alternate AC plug. We recommend using the accessory power plug adaptor (VJSS0070) in an area which has special AC outlets.

Car Battery Cord (Optional)



- 1 Connect PV-C16 Car Battery Cord (optional) to Camcorder DC IN.

- 2 (A) Start engine first.
(B) Plug Car Battery Cord into Cigarette lighter socket.

- If Car Battery cord fuse needs replacing, use exact current rating (in amps).

Note:

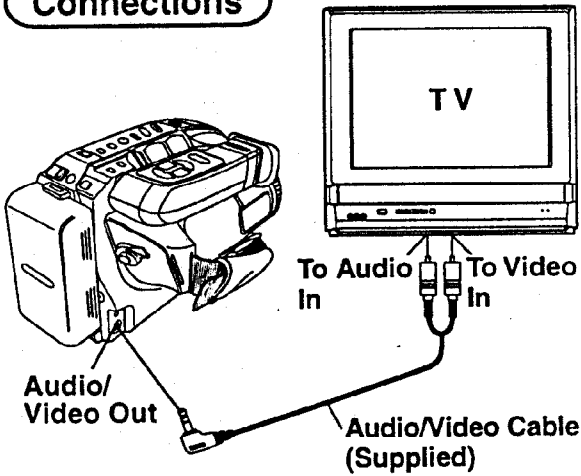
- This cord only works in vehicles equipped with DC 12 V (negative ground) battery. Check with your car/truck dealer. Use only specified car battery cord.
- To avoid blowing the car battery cord fuse, do step 2 in the proper order.
- Running vehicles must be well ventilated.
- When not in use, disconnect cigarette lighter plug.

Playing Back Recordings

TV Playback or Viewing

Connect Camcorder to a TV to view playback or recordings in progress.

Connections



Before you begin...

- Connect Camcorder to power source.
- Make all TV-Camcorder connections.

- 1** Set **POWER** to:
VCR → view playback.
CAMERA → view picture as it is recorded.
- 2** Turn **TV ON** and set to **LINE INPUT**.
 See TV owner's manual.
- 3** Begin playback or recording.

CATV System Installer

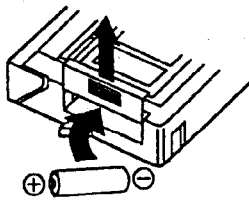
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC in USA (and to the Canadian Electrical Code in Canada) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

VCR Playback using PlayPak

Load Battery in PlayPak

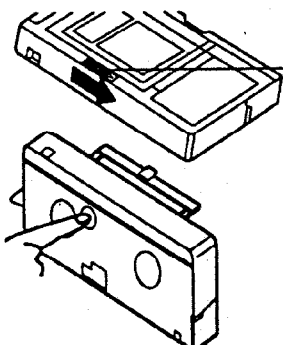
Remove Battery lid and insert AA battery.

- Do not reverse polarity.
- Replace battery when tape loading/unloading takes longer than usual.



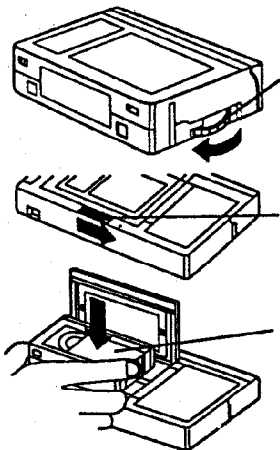
Remove VHS Cassette

- 1** Slide **RELEASE** and wait for lid to open.
- 2** Push cassette out through hole in bottom of PlayPak with your finger.

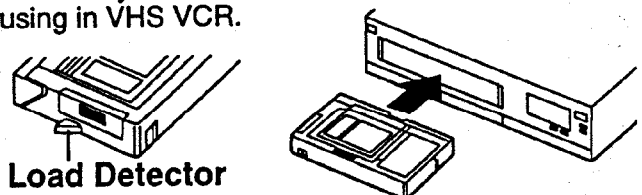


Insert VHS Cassette in PlayPak

- 1** Turn **VHS** cassette **Tape Wheel** in direction of arrow to take up any slack.
- 2** Slide **RELEASE** to open cassette lid.
- 3** Insert the **VHS** cassette with the window up and on the left, then snap lid shut.



- Do not obstruct cassette reel while loading.
- Allow PlayPak Load Detector to fully retract before using in VHS VCR.



PC Connection

Digital PhotoShot Software

A live or captured image can be transferred to your PC (Personal Computer).

System Requirements for Digital PhotoShot

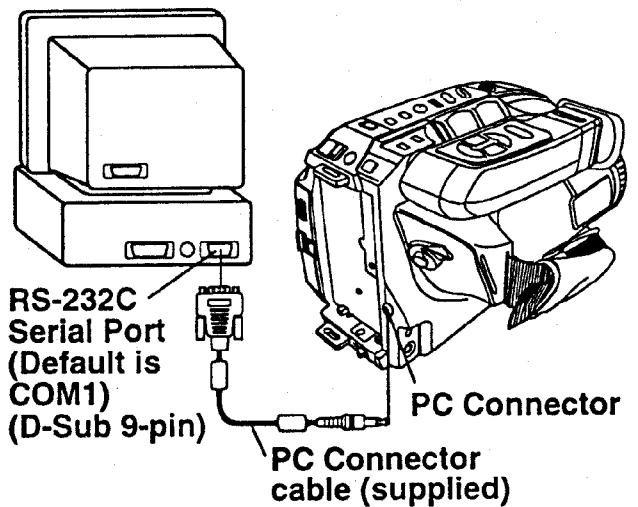
- IBM PC/AT or compatible.
- Intel® Pentium® Processor
- Microsoft® Windows®95 or Windows®98.
- RAM: 16 MB or more
- 2 MB of available hard-disk space.
- 256 color monitor (full color recommended).
- 3.5 inch 1.44 MB floppy disk drive (for installation).
- RS-232C serial port (D-Sub 9-pin). An adaptor (D-Sub 9-pin male to a D-Sub female) is required for a D-Sub 25-pin.
- Mouse or other pointing device.

PC-Camcorder Connection

Connect Camcorder PC jack to the serial port on your PC (Personal Computer) using the supplied PC connector cable. Refer to PC or Windows manual to identify which COM port to be used for connection.

Note:

- Be sure to turn PC off before connection for proper image transfer.
- After Camcorder and PC are connected by starting up the software included, video recording is not possible.

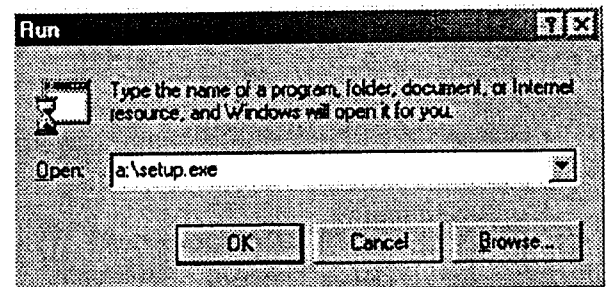
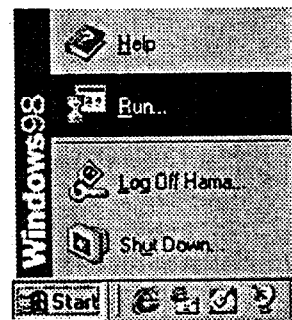


Software Installation (Windows 95/98)

Before you begin...

- Your PC is in the power on mode.

- 1 Turn on PC (Personal Computer) and start up Windows.
- 2 Insert Digital PhotoShot disk (Windows 95/98) into a floppy disk drive.
- 3 Click on Start, then "Run..."
- 4 Type in "a:\setup.exe" and click OK.
 - If your 3.5 inch floppy disk drive is not "A", use appropriate letter.
- 5 Follow instructions as they appear on PC screen until the installation is complete.
 - Setup window will disappear when the installation is complete.



Note:

- Please look for Windows 2000 version of driver software on our website at <http://www.panasonic.com/video>.

Specifications

| | |
|---------------------------------------|--|
| Power Source: | Compact VHS Camcorder: DC 6 V AC Adaptor: 110/120/220/240 V AC, 50/60 Hz Battery: Nickel-Cadmium Type DC 6 V |
| Power Consumption: | Compact VHS Camcorder: 6V DC 8.5 W (Max. 11.5 W) AC Adaptor: 19 W 1.2 W (when not in use.) |
| Video Signal: | EIA Standard (525 lines, 60 fields) NTSC color signal |
| Video Recording System: | 2 rotary heads plus flying erase head. Helical scanning system |
| Audio: | 1 track |
| Pick-Up System: | Sequential color difference field reverse system |
| Pick-Up Device: | One integral color filter Charge Coupled Device (CCD) |
| Lens: | 26:1 zoom lens, F1:1.6 with auto iris control Focal length: 3.8 mm - 98.8 mm 4 speed power zoom function |
| Viewfinder: | 11 mm (0.45 inch)/14 mm (0.55 inch) Liquid Crystal Color Electronic Viewfinder |
| LCD Monitor: | 101.6 mm (4.0 inch) Liquid Crystal Display |
| Memory: | 8 MB CompactFlash Card |
| Image Size: | FINE: 640 × 480 pixels Normal: 320 × 240 pixels |
| Image Storage: | FINE: Approx. 60 images Normal: Approx. 240 images |
| Image Format: | JPEG |
| Minimum Illumination Required: | 0.8 lx (F1:1.6) 0.08 footcandles 7 lx (F1:1.6) 0.7 footcandles (EIA Standard) |
| Earphone Jack: | M3 Type |
| Operating Temperature: | 0 °C~40 °C (32 °F~104 °F) |
| Operating Humidity: | 10 %~75 % |
| Weight: | Compact VHS Camcorder: TBD kg TBD lbs. AC Adaptor: 0.3 kg 0.66 lbs. |
| Dimensions: | Compact VHS Camcorder: TBD (W) × TBD (H) × TBD (D) mm TBD (W) × TBD (H) × TBD (D) inch AC Adaptor: 68 (W) × 41 (H) × 140 (D) mm 2-11/16 (W) × 1-5/8 (H) × 5-1/2 (D) inch |

Weight and dimensions shown are approximate.

Designs and specifications are subject to change without notice.