

JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-LTR1U



VHS Hi-Fi
SQPB

Regarding service information other than these sections, refer to the HR-VP59U service manual (No.82833). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

GENERAL

Power requirement	: AC 120 V~, 60 Hz
Power consumption	
Power on	: 18 W
Power off	: 2.0 W
Temperature	
Operating	: 5°C to 40°C (41°F to 104°F)
Storage	: -20°C to 60°C (-4°F to 140°F)
Operating position	: Horizontal only
Dimensions (W x H x D)	: 360 mm x 94 mm x 247 mm (14-3/16" x 3-3/4" x 9-3/4")
Weight	: 3.0 kg (6.6 lbs)
Format	: VHS NTSC standard
Maximum recording time	
SP	: 210 min. with ST-210 video cassette
EP	: 630 min. with ST-210 video cassette

VIDEO/AUDIO

Signal system	: NTSC-type color signal and EIA monochrome signal, 525 lines/60 fields
Recording/Playback system	: DA-4 (Double Azimuth) head helical scan system
Signal-to-noise ratio	: 45 dB
Horizontal resolution	: 230 lines
Frequency range	
Normal audio	: 70 Hz to 10,000 Hz
Hi-Fi audio	: 20 Hz to 20,000 Hz
Input/Output	: RCA connectors (IN x 1, OUT x 1)

TUNER

Tuning system	: Frequency-synthesized tuner
Channel coverage	
VHF	: Channels 2-13
UHF	: Channels 14-69
CATV	: 113 Channels
RF output	: Channel 3 or 4 (switchable; preset to Channel 3 when shipped) 75 ohms, unbalanced

TIMER

Clock reference	: Quartz
Program capacity	: 1-year programmable timer/ 8 programs
Memory backup for timer	: is not supported.

ACCESSORIES

Provided accessories	: RF cable (F-type), Infrared remote control unit, "AA" battery x 2
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Specifications shown are for SP mode unless specified otherwise. E. & O.E. Design and specifications subject to change without notice.

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The following table indicate main different points between models HR-VP59U and HR-LTR1U.

ITEM \ MODEL	HR-VP59U	HR-LTR1U
BODY COLOR	BLACK	CHAMPAGNE GOLD
REMOTE CONTROLLER: MBR	USED	NOT USED
VCR+	USED	NOT USED

The following tables indicate different parts number between models HR-VP59U and HR-LTR1U.

PACKING AND ACCESSORY ASSEMBLY<M1>

PACKING AND ACCESSORY ASSEMBLY<M1> is indicated on the parts list.

FINAL ASSEMBLY<M2>

△ REF NO.	ITEM \ MODEL	HR-VP59U	HR-LTR1U
△501	FRONT PANEL ASSEMBLY	LP10348-001A	LP10348-028A
501A	CASSETTE DOOR	LP20977-001A	LP20977-016A
501C	DISPLAY WINDOW	LP20976-001A	LP20976-026A
△502	TOP COVER	LP10352-002A	LP10352-014A
503	SCREW,X2 TOP COVER(SIDE)	QYTDSF3010M	QYTDSF3010R
505A	UPPER DRUM ASSEMBLY	LP20982-001A	*—
505B	CAP	PDM4439	*—
505C	WASHER	PDM4444-19-2	*—
505D	COLLAR ASSEMBLY	LP40572-001A	*—
△508	STATOR ASSEMBLY	QAR0169-001	QAR0169-002
△511	BOTTOM CHASSIS	LP10350-003B	*LP10350-003G

MECHANISM ASSEMBLY<M4>

MECHANISM ASSEMBLY<M4> is indicated on the parts list.

MAIN BOARD ASSEMBLY<03>

△ REF NO.	ITEM \ MODEL	HR-VP59U	HR-LTR1U
PW1	MAIN BOARD ASSEMBLY	LPA10130-01B1	*LPA10130-01E1

Notes: Mark ← is same as left.

Mark — is not used.

Mark * reference model was also changed.

JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF JVC AMERICAS CORP.

Head office	: 1700 Valley Road Wayne, New Jersey 07470-9976	(973)315-5000
East Coast	: 10 New Maple Avenue Pine Brook, New Jersey 07058-9641	(973)396-1000
Midwest	: 705 Enterprise Street Aurora, Illinois 60504-8149	(630)851-7855
West Coast	: 5665 Corporate Avenue Cypress, California 90630-0024	(714)229-8011
Atlanta	: 1500 Lakes Parkway Lawrenceville, Georgia 30043-5857	(770)339-2582
Hawaii	: 2969 Mapunapuna Place Honolulu, Hawaii 96819-2040	(808)833-5828

JVC CANADA INC.

Head office	: 21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
Montreal	: 16800 Rte Trans-Canadienne, Kirkland, Quebec H9H 5G7	(514)871-1311
Vancouver	: 13040 Worster Court Richmond, B.C. V6V 2B3	(604)270-1311

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