

JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-S29U



Regarding service information other than these sections, refer to the HR-S3900U service manual (No. 82848). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

GENERAL

Power requirement	: AC 120 V \sim , 60 Hz
Power consumption	
Power on	: 20 W
Power off	: 2.5 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)	: 400 x 94 x 283 mm
Weight	: 3.3 kg
Format	: S-VHS/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	
VHS	: 230 lines
S-VHS	: 400 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 2, OUT x 1) S-video 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	: Infrared remote control unit, "AA" battery x 2, S-video cable (4-pin), RF cable (F-type)
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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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DIFFERENT TABLE 1

5. PARTS LIST (5-1, 5-2)

5.1 **FINAL ASSEMBLY <M2>** 5-1

The following table indicate main different points between models HR-S3900U and HR-S29U.

ITEM	MODEL	HR-S3900U	HR-S29U
JOG /SHUTTLE DIAL ON DECK		USED	NOT USED

The following table indicate different parts number between models HR-S3900U and HR-S29U.

PACKING AND ACCESSORY ASSEMBLY <M1>

REF. NO	ITEM	MODEL	HR-S3900U	HR-S29U
301	PACKING CASE		LP30899-001B	LP30899-003B
310	INST BOOK (EN)		LPT0503-001B	LPT0579-001A

FINAL ASSEMBLY <M2>

REF. NO	ITEM	MODEL	HR-S3900U	HR-S29U
501	FRONT PANEL ASSY		LP10289-063D	LP10289-065A
501C	DISPLAY WINDOE		LP20869-093A	LP20869-095A
501D	ORNAMENT		LP21014-001C	LP30649-002C
529	KNOB ASSY		LP30954-001A	—
530	SCREW,X2 JOG		QYTDSF2608Z	—
532	PC SUPPORT,MINI FRONT		—	LP40628-001B

MAIN BOARD ASSEMBLY <03>

REF. NO	ITEM	MODEL	HR-S3900U	HR-S29U
PW1	MAIN BOARD ASSY		LPA10134-05D1	LPA10134-07D1
C57	CAPACITOR		NCB21HK-103X	—
C201	E CAPACITOR		QEKJ0JM-107Z	QEKJ0JM-476Z
B7001	MG RESISTOR		—	NRSA02J-0R0X
B7012	MG RESISTOR		—	NRSA02J-0R0X
B7014	IM BUS WIRE		—	QUY153-050Y
B7015	IM BUS WIRE		—	QUY160-060Y
B7020	MG RESISTOR		NRSA02J-0R0X	—

MINI FRONT BOARD ASSEMBLY <28>

REF. NO	ITEM	MODEL	HR-S3900U	HR-S29U
PW1	MINI FRONT BOARD ASSY		—	LPA20005-04A
S7021	TACT SWTCH,REW		—	QSW0522-002Z
S7022	TACT SWTCH,FF		—	QSW0522-002Z
S7023	TACT SWTCH,PLAY		—	QSW0522-002Z
CN7002	FPC CONNECTOR,(1-9)MAIN		—	QGF1208C1-09

ADV.JOG BOARD ASSY <85>

REF. NO	ITEM	MODEL	HR-S3900U	HR-S29U
PW1	ADV.JOG BOARD ASSY		LPA20013-04B	—

Notes : Mark — is not used.

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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