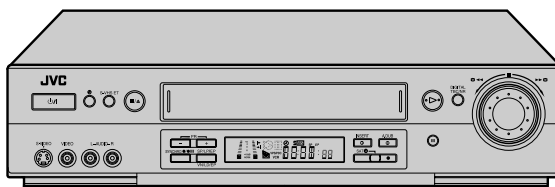


# JVC

## SERVICE MANUAL

### VIDEO CASSETTE RECORDER

## HR-S8700EK/EU



**SHOWVIEW**<sup>®</sup>  
DELUXE

**Hi-Fi** **S VHS**  
625

**Super VHS ET**

Regarding service information other than these sections, refer to the HR-S9700EU service manual (No. 82822). Also, be sure to note important safety precautions provided in the service manual.

### SPECIFICATIONS *(The specifications shown pertain specifically to the model HR-S8700EU)*

#### GENERAL

Power requirement	: AC 220 V – 240 V~, 50 Hz/60 Hz
Power consumption	
Power on	: 25 W
Power off	: 5.2 W
Temperature	
Operating	: 5°C to 40°C
Storage	: -20°C to 60°C
Operating position	: Horizontal only
Dimensions (WxHxD)	: 437 mm x 97 mm x 347 mm
Weight	: 4.8 kg
Format	: S-VHS/VHS PAL standard
Maximum recording time	
(SP)	: 240 min. with E-240 video cassette
(LP)	: 480 min. with E-240 video cassette
(EP)	: 720 min. with E-240 video cassette

#### VIDEO/AUDIO

Signal system	: PAL-type colour signal and CCIR monochrome signal, 625 lines 50 fields
Recording system	: DA4 (Double Azimuth) head helical scan system
Signal-to-noise ratio	: 45 dB
Horizontal resolution	
(SP/LP)	: 250 lines (VHS) 400 lines (S-VHS)
(EP)	: 220 lines (VHS) 350 lines (S-VHS)
Frequency range	: 70 Hz to 10,000 Hz (Normal audio) 20 Hz to 20,000 Hz (Hi-Fi audio)
Input/Output	: 21-pin SCART connectors: IN/OUT x 1, IN/DECODER x 1 RCA connectors: VIDEO IN x 1, AUDIO IN x 1, AUDIO OUT x 1 S-Video connectors: IN x 1, OUT x 1

#### TUNER/TIMER

TV channel storage capacity	: 99 positions (+AUX position)
Tuning system	: Frequency synthesized tuner
Channel coverage	: VHF 47 MHz – 89 MHz/ 104 MHz – 300 MHz/ 302 MHz – 470 MHz UHF 470 MHz – 862 MHz
Aerial output	: UHF channels 22 – 69 (Adjustable)
Memory backup time	: Approx. 60 min.

#### ACCESSORIES

Provided accessories	: RF cable, Satellite Controller RM-SD1, Infrared remote control unit, "R6" battery x 2, S-VHS ET labels
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*Specifications shown are for SP mode unless otherwise specified. E. & O.E. Design and specifications subject to change without notice.*

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The following tables indicate main different points between models HR-S9700EU, HR-S8700EK and HR-S8700EU.

ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
TIME SCAN(DD)		USED	NOT USED	NOT USED
HIGH GRADE AUDIO PARTS		USED	NOT USED	NOT USED
TAPE ACCESS(MARK)		AUTO/MANUAL	AUTO	AUTO
TAPE ACCESS(ERASE)		MANUAL	NOT USED	NOT USED
SOUND SHUTTLE		USED	NOT USED	NOT USED

The following tables indicate different parts number between models HR-S9700EU, HR-S8700EK and HR-S8700EU.

### PACKING AND ACCESSORY ASSEMBLY <M1>

REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
301	PACKING CASE		LP30715-001B	LP30714-001B	←
302	CUSHION ASSY		LP30667-001C	LP30606-002C	←
313	S CABLE		PEAC0358-120	—	—
△ 310	INST BOOK(EN)		LPT0328-001A	LPT0327-001A	LPT0319-001A
△	INST BOOK(GE)		LPT0328-002A	LPT0327-002A	—
△	INST BOOK(FR)		LPT0328-003A	LPT0327-003A	—
△	INST BOOK(DU)		LPT0328-004A	LPT0327-004A	—
△	INST BOOK(SP)		LPT0328-005A	LPT0327-005A	—
△	INST BOOK(IT)		LPT0328-006A	LPT0327-006A	—
△	INST BOOK(DA)		LPT0328-007A	LPT0327-007A	—
△	INST BOOK(FI)		LPT0328-008A	LPT0327-008A	—
△	INST BOOK(SW)		LPT0328-009A	LPT0327-009A	—
△	INST BOOK(NO)		LPT0328-010A	LPT0327-010A	—
△	INST BOOK(PT)		LPT0328-011A	LPT0327-011A	—
△	INST BOOK(GR)		LPT0328-012A	LPT0327-012A	—
△	INST BOOK(CZ)		LPT0328-013A	LPT0327-013A	—
△	INST BOOK(PO)		LPT0328-014A	LPT0327-014A	—
△	INST BOOK(HU)		LPT0328-015A	LPT0327-015A	—
△	INST BOOK(RU)		LPT0328-016A	—	—
316	WARRANTY CARD		BT-54013-1	←	—
317	GUARANTY CARD		—	—	BT-54008-2
318	Q.CARD(JUK)		—	—	LYT0194-001A

**Notes :** Mark — is not used.  
 Mark ← is same as left.

**CABINET AND CHASSIS ASSEMBLY<M2>**

REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
△ 501	FRONT PANEL ASSY		LP10236-006C	LP10088-019D	LP10088-018D
501A	CASSETTE DOOR		LP20661-003A	LP20716-007A	←
501C	DISPLAY WINDOW		—	LP20250-013C	←
501D	MAGNET ASSY		PEME0879	—	—
501F	BRACKET(DAMPER)		—	LP40159-001B	←
501G	ORNAMENT		—	LP20613-004A	←
501H	SCREW,X5		—	SDSF2608Z	←
505	DRUM SUB ASSY		LP20319-021A	LP20617-016A	←
505A	UPPER DRUM ASSY		LP20030-022A	LP20030-023A	←
505H	SENSOR BOARD ASSY		LPA20002-01C	—	—
△ 511	BOTTOM CHASSIS		LP10140-003G	LP10140-006F	←
△ 523	POWER CODE		QMP4A10-170	←	QMP51K0-170-K
528	SCREW,X2: S JACK		—	QYTDSF2608Z	←
529	KNOB(JOG)		—	LP30694-001A	←
530	KNOB(SHUTTLE)		—	LP30695-001A	←
531	SCREW,X3 JOG		—	QYTDSF2608Z	←
539	DAMPER		QZW0012-002	—	—
540	SHAFT		LP40500-001A	—	—
541	SCREW,X2		QYTDSF3010Z	—	—
542	HOLDER(DOOR)		LP40501-001A	—	—
543	SCREW		QYTDSF3010Z	—	—
544	DOOR OPEN UNIT		QZW0031-002	—	—
545	SCREW,X2		QYTDSF3010Z	—	—
546	FOOT ASSY,X2		PQ46617A-1	—	—
548	FOOT(2),X2		PQ35504-2	—	—
WR7	FFC WIRE, JOG(FSA)		—	QUQ112-0616CG	←

**MECHANISM ASSEMBLY <M4>**

REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
△ 1	MAIN DECK ASSY		LP20884-002F	LP20821-002F	←
1A	PLATE(SUPPLY)		LP40275-002B	LP40275-004B	←
1B	SCREW,X4		QYTDST2606Z	QYTDST2605Z	←
21	POLE BASE ASSY(SUPPLY)		LP40101-007A	LP40101-006A	←
26	POLE BASE ASSY(TAKE UP)		LP40104-008A	LP40104-006A	←
49	GUIDE ARM ASSY		LP40106-002E	LP40106-007A	←
50	SPACER		LP30017-008A	—	—
78	MAIN BRAKE ASSY(SUPPLY)		LP40532-009B	LP40532-009A	←
80	MAIN BRAKE ASSY(TAKE UP)		LP40111-014B	LP40111-014A	←
128	TORSION SPRING(L)		LP40168-001A	LP40168-003A	←

**MAIN BOARD ASSEMBLY <03>**

REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
△ PW1	MAIN BOARD ASSY		LPA10106-03C1	LPA10106-12B1	←
IC2501	IC		LC85405JE	—	—
IC3501	IC		BA6956AN	—	—
Q2102	TRANSISTOR		DTC114EU	—	—
Q2103	TRANSISTOR		2SC4081/QRS/-X	—	—
Q2104	TRANSISTOR		DTA144WU	—	—
Q2105	TRANSISTOR		DTC144WU	—	—
Q2108	TRANSISTOR		2SC4081/QRS/-X	—	—
Q2501	TRANSISTOR		2SC4081/QRS/-X	—	—
Q2502	TRANSISTOR		DTC144WU	—	—
Q3009	TRANSISTOR		UN521E	—	—
Q3501	TRANSISTOR		2SD1819A/QRS/-	—	—
D2501	DIODE		1SS133	—	—
D3007	DIODE/MG RESISTOR		1SS355	NRSA02J-0R0X	←
R2015	MG RESISTOR		NRSA02J-271X	NRSA02J-181X	←
R2102	MG RESISTOR		NRSA02J-471X	—	—
R2103	MG RESISTOR		NRSA02J-472X	—	—
R2104	MG RESISTOR		NRSA02J-472X	—	—
R2105	MG RESISTOR		NRSA02J-103X	—	—

Notes : Mark — is not used.  
 Mark ← is same as left.

REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
R2106	MG RESISTOR		NRSA02J-681X	—	—
R2107	MG RESISTOR		NRSA02J-122X	—	—
R2109	MG RESISTOR		NRSA02J-103X	—	—
R2111	MG RESISTOR		NRSA02J-222X	—	—
R2501	MG RESISTOR		NRSA02J-0R0X	—	—
R2502	MG RESISTOR		NRSA02J-562X	—	—
R2503	MG RESISTOR		NRSA02J-563X	—	—
R2504	MG RESISTOR		NRSA02J-472X	—	—
R2505	MG RESISTOR		NRSA02J-105X	—	—
R2506	MG RESISTOR		NRSA02J-473X	—	—
R2507	MG RESISTOR		NRSA02J-102X	—	—
R2508	MG RESISTOR		NRSA02J-333X	—	—
R2509	MG RESISTOR		NRSA02J-103X	—	—
R2510	MG RESISTOR		NRSA02J-104X	—	—
R2511	MG RESISTOR		NRSA02J-124X	—	—
R2512	MG RESISTOR		NRSA02J-102X	—	—
R2513	MG RESISTOR		NRSA02J-102X	—	—
R2514	MG RESISTOR		NRSA02J-562X	—	—
R2519	MG RESISTOR		NRSA02J-102X	—	—
R2520	MG RESISTOR		NRSA02J-101X	—	—
R2522	MG RESISTOR		NRSA02J-682X	—	—
R3063	MG RESISTOR		NRSA02J-472X	NRSA02J-0R0X	←
R3501	MG RESISTOR		NRSA02J-153X	—	—
R3502	MG RESISTOR		NRSA02J-272X	—	—
R3503	MG RESISTOR		NRSA02J-153X	—	—
R3504	MG RESISTOR		NRSA02J-223X	—	—
R3505	MG RESISTOR		NRSA02J-562X	—	—
R3506	MG RESISTOR		NRSA02J-123X	—	—
C2001	E CAPACITOR		QTE1H44-475Z	QETN1HM-475Z	←
C2101	E CAPACITOR		QEKJ1CM-106	—	—
C2102	E CAPACITOR		QEKJ1CM-106	—	—
C2104	CAPACITOR		NCB21CK-104X	—	—
C2201	CAPACITOR		—	NCB21EK-104X	←
C2207	E CAPACITOR		QTE1E41-476	QEKJ1CM-476Z	←
C2208	E CAPACITOR		QTE1H44-475Z	QETN1HM-475Z	←
C2501	E CAPACITOR		QERF0JM-107	—	—
C2502	CAPACITOR		NCB21HK-562X	—	—
C2503	E CAPACITOR		QERF1HM-105	—	—
C2505	E CAPACITOR		QEKJ0JM-10	—	—
C2506	CAPACITOR		NCB21HK-103X	—	—
C2507	E CAPACITOR		QERF1CM-226	—	—
C2508	CAPACITOR		NCB21HK-103X	—	—
C2509	E CAPACITOR		QERF1CM-106	—	—
C2510	E CAPACITOR		QEKJ1CM-476	—	—
C2511	CAPACITOR		NCB21HK-222X	—	—
C2512	CAPACITOR		NDC21HJ-331X	—	—
C2513	CAPACITOR		NCB21HK-103X	—	—
C2518	CAPACITOR		NCB21HK-102	—	—
C2519	CAPACITOR		NCB21HK-103X	—	—
C2520	CAPACITOR		NCB21HK-103X	—	—
C3501	CAPACITOR		NCB21EK-104X	—	—
C3502	E CAPACITOR		QEKJ1CM-106	—	—
C3503	CAPACITOR		NCB21HK-103X	—	—
L2501	COIL		QQL29BJ-2R2Z	—	—
LC2501	COIL		QQL29BJ-100Z	—	—
CF2501	RESONATOR		QAX0399-001Z	—	—
LPF2501	LOW PASS FILTER		PELN1137	—	—
CN3012	FPC CONNECTOR,(1-6)JOG		—	QGF1207C1-06	←
CN3501	CONNECTOR,(1-6)DD MDA		QGB2011L2-06	—	—

Notes : Mark — is not used.

Mark ← is same as left.

**TERMINAL BOARD ASSEMBLY <06>**

△ REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
PW1	TERMINAL BOARD ASSY		LPA10100-04A	LPA10100-03A	←
J903	S JACK,S OUT		QND0085-001	QND0084-001	←
J912	PIN JACK,A.OUT(L)		QNN0021-003	QNN0023-003	←
J913	PIN JACK,A.OUT(R)		QNN0021-002	QNN0023-002	←
△ TB1	TERMINAL BOARD ASSY		LP30712-008B	LP30712-009B	←

**DISPLAY BOARD ASSEMBLY <28>**

△ REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
PW1	DISPLAY BOARD ASSY		LPA10067-02A1	LPA10056-10A1	←

**REC SAFETY BOARD ASSEMBLY <32>**

△ REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
PW2	REC SAFETY BOARD ASSY		LPA10067-01B2	LPA10056-01A2	←

**S JACK BOARD ASSEMBLY <36>**

△ REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
PW4	S JACK BOARD ASSY		—	LPA10056-10A4	←

**JOG BOARD ASSEMBLY <37>**

△ REF. NO	ITEM	MODEL	HR-S9700EU	HR-S8700EU	HR-S8700EK
PW3	JOG BOARD ASSY		—	LPA10056-10A3	←

Notes : Mark — is not used.  
 Mark ← is same as left.



**JVC**

VICTOR COMPANY OF JAPAN, LIMITED  
VIDEO DIVISION

S40894