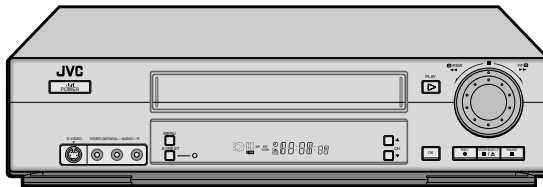


JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-S8007UM



Hi-Fi S VHS
VCRplus+™
Super VHS ET

Regarding service information other than these sections, refer to the HR-S4800U service manual (No. 82792). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

GENERAL

Power requirement	: AC 110 V – 220 V \sim , 50/60 Hz
Power consumption	
Power on	: 20 W
Power off	: 3 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 mm x 94 mm x 281 mm (15-3/4" x 3-3/4" x 11-1/8")
Weight	: 3.5 kg (7.7 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 (VHS) 400 lines (S-VHS)
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 2, 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 Ω , unbalanced

TIMER

Clock reference	: Quartz
Program capacity	: 1-year programmable timer/ 8 programs
Memory backup time	: Approx. 6 months Estimated figure based on supplied fresh battery; actual performance may differ.

ACCESSORIES

Supplied accessories	: RF cable, Infrared remote control unit, Lithium battery CR2025, Conversion plug, "AA" battery x 2, Audio/Video cable, S-Video cable (4-pin)
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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 table indicate main different points between models HR-S4800U and HR-S8007UM.

ITEM	MODEL	HR-S4800U	HR-S8007UM
JOG/SHUTTLE DIAL ON DECK		SH/PLAY	J/S
POWER VOLTAGE		120V, 60Hz	110-220V, 50/60Hz
POWER PLUG		UL, CSA	SASO
POWER SAVE		USED	NOT USED
FRONT PANEL COLOR		BLACK	CHAMPAGNE
FE HEAD		USED	NOT USED
HEAD CLEANER		NOT USED	USED
ASSEMBLE EDIT		ZFE	AFE
INSERT EDIT		USED	NOT USED
AUDIO DUBBING		USED	NOT USED
BACKUP TIME		3MIN	6MONTH
SUMMER TIME ADJ.		USED	NOT USED
CHILD LOCK		USED	NOT USED
VCR PLUS+		VCR+C3	VCR+
AUTO CLOCK		USED	NOT USED
JUST CLOCK		USED	NOT USED
CABLE & DBS BOX CONTROL		USED	NOT USED
ILLUMI FUNCTION		USED	NOT USED
CABLE MOUSE		USED	NOT USED
SHOWGUARD		USED	NOT USED

The following table indicate different parts number between models HR-S4800U and HR-S8007UM.

PACKING AND ACCESSORY ASSEMBLY <M1>

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
301	PACKING CASE		LP30658-013A	LP30658-024B
306	REMOTE CONTROLLER		LP20303-015A	LP20878-004B
306A	COVER(BATTERY)		LP40225-002A	LP40610-002A
△ 309	LT. BATTERY		—	PECA0903
△ 310	INST.BOOK(EN.SP)		LPT0348-001A	LPT0382-001A
312	RF CABLE		PEAC0294-04	PEAC0446-120
315	CONTROLLER		QAL0095-005	—
317	Q.S.SHEET		LPT0348-002A	—
319	REGIST.CARD		BT-51020-2	—
323	CONNECTION SHEET		—	PU36560-2
△ 324	CONVERSION PLUG		—	PEMC1012

CABINET AND CHASSIS ASSEMBLY <M2>

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
△ 501	FRONT PANEL ASSY		LP10289-019B	LP10289-035C
501A	CASSETTE DOOR		LP20868-005A	LP20868-013A
501C	DISPLAY WINDOW		LP20869-023A	LP20869-049A
△ 502	TOP COVER		PQ10013-021D	LP10013-031C
503	TAP SCREW		QYTDSF3010M	QYTDSF3010R
505	DRUM SUB ASSY		LP20617-008A	LP20617-006A
505A	UPPER DRUM ASSY		LP20030-015A	LP20616-003A
505H	LOWER DRUM ASSY		LP20615-007A	LP20615-002A
△ 511	BOTTOM CHASSIS		LP10108-012B	LP10108-015A
△ 517	POWER CORD		QMPD190-170-K	QMP73J0-170
518	CLEANER ASSY		—	LP40369-001D
518A	CLEANER ROLLER		—	PQ46418-1-2
518B	CLEANER		—	PQ46419-1-2
518C	CLEANER ARM		—	LP30407-001D
527	WASHER		QYWWS267505Z	—
528	SPACER		LP30017-021A	—
529	KNOB(JOG)		LP30653-001A	LP30651-004A
530	KNOB(SHUTTLE)		LP30652-001A	LP30652-002A
533	CAP,LT. BATTERY		—	LP30336-001A
534	SPACER, S.FRAME		*LP30002-088B	←

Notes : Mark — is not used.

Mark * reference model was also changed.

MAIN BOARD ASSEMBLY <03>

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
PW1	MAIN BOARD ASSY		LPA10089-01B1	LPA10089-07C1
IC3001	IC		MN101D02HJP	MN101D02HAA
IC5101	IC		STR-G6532	STR-G6551
Q1	TRANSISTOR		—	2SC4081/S/-X
Q2	TRANSISTOR		—	2SC4081/S/-X
Q3	TRANSISTOR		—	2SC4081/S/-X
Q4	TRANSISTOR		—	2SC4081/S/-X
Q401	TRANSISTOR		2SA1576A/QR/-X	—
Q402	TRANSISTOR		2SA1576A/QR/-X	—
Q403	DIGI TRANSISTOR		UN521E-X	—
Q404	DIGI TRANSISTOR		UN521E-X	—
Q405	TRANSISTOR		2SA1576A/QR/-X	—
Q2061	TRANSISTOR		2SC4081/QRS/-X	—
Q2062	TRANSISTOR		2SA1576A/QR/-X	—
Q2063	DIGI TRANSISTOR		DTC144WUA-X	—
Q7201	TRANSISTOR		2SA720/RS/-T	—
D3008	SB DIODE		—	RB721Q-40-T2
R77	RESISTOR		QRE141J-223Y	QRE141J-103Y
R401	MG RESISTOR		NRSA02J-221X	—
R402	MG RESISTOR		NRSA02J-102X	—
R403	MG RESISTOR		NRSA02J-391X	—
R404	MG RESISTOR		NRSA02J-473X	—
R405	MG RESISTOR		NRSA02J-683X	—
R406	MG RESISTOR		NRSA02J-393X	—
R407	MG RESISTOR		NRSA02J-472X	—
R408	MG RESISTOR		NRSA02J-473X	—
R2053	MG RESISTOR		NRSA02J-472X	NRSA02J-682X
R2054	MG RESISTOR		NRSA02J-153X	NRSA02J-123X
R2056	RESISTOR		QRE141J-101Y	QRE141J-560Y
R2061	MG RESISTOR		NRSA02J-273X	—
R2062	MG RESISTOR		NRSA02J-3R3X	—
R2063	MG RESISTOR		NRSA02J-151X	—
R2064	MG RESISTOR		NRSA02J-473X	—
R2065	MG RESISTOR		NRSA02J-183X	—
R3080	MG RESISTOR		NRSA02J-0R0X	—
R3235	RESISTOR		—	QRE141J-102Y
R4006	MG RESISTOR		NRSA02J-182X	NRSA02J-392X
R5001	RESISTOR		QRZ9046-475Z	—
R5104	OMF RESISTOR		QRG02GJ-683	QRG02GJ-473
R5306	MG RESISTOR		NRSA02J-273X	NRSA02J-823X
R7202	RESISTOR		QRE141J-471Y	—
R7203	MG RESISTOR		NRSA02J-222X	—
R7204	RESISTOR		QRE123J-100X	—
C1	CAPACITOR		NCF21CZ-105X	NCB21HK-103X
C2	CAPACITOR		NCF21CZ-105X	NCB21HK-103X
C3	CAPACITOR		NCF21CZ-105X	NCB21HK-103X
C4	CAPACITOR		NCF21CZ-105X	NCB21HK-103X
C401	CAPACITOR		NCB21HK-103X	—
C402	CAPACITOR		NCB21HK-223X	—
C403	CAPACITOR		NDC21HJ-151X	—
C404	CAPACITOR		NDC21HJ-470X	—
C406	CAPACITOR		NCS21HJ-681X	—
C407	CAPACITOR		NDC21HJ-180X	—
C408	CAPACITOR		NCB21HK-103X	—
C2052	MF CAPACITOR		QFV91HJ-333Z	QFV91HJ-823Z
C2053	CAPACITOR		NCB21HK-332X	NCB21HK-472X
C2054	CAPACITOR		NCB21HK-103X	NCB21HK-223X
C2061	CAPACITOR		QFV91HJ-333Z	—
C2062	CAPACITOR		NCB21HK-332X	—
C2063	CAPACITOR		NCB21HK-103X	—
C2064	E CAPACITOR		QEKJ1CM-106Z	—
C3018	TIRIM CAPACITOR		—	QAT3725-300Z
C3019	CAPACITOR		NDC21HJ-180X	NDC21HJ-100X
C5004	CAPACITOR		QCZ9094-472	QCZ9071-222
C5006	E CAPACITOR		QETM2DM-157	QEZ0374-826
C5103	CAPACITOR		QCZ0302-470Z	QCZ0302-330Z
C5304	MF CAPACITOR		QFVF1HJ-124Z	QFVF1HJ-224Z
C5310	M CAPACITOR		—	QFLC1HJ-183Z
C7206	E CAPACITOR		QEKJ0JM-227Z	—
L401	INDUCTOR		QQL231J-150Y	—
L7201	P COIL		QQL29BJ-101Z	—
X3002	CRYSTAL		QAX0444-001	QAX0445-001
T2051	OSC TRANS		PELN0860	PELN0832
T2052	OSC TRANS		PELN0861	—

Note : Mark — is not used.

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
△ TB1	TERMINAL BOARD		LP20887-002B	LP20316-004B
FW3002	PARA RIBON WIRE		QUM022-30A4A4	—
△ SG5001	SURGE ABSORBER		QAF0046-242Z	—
△ VA5001	VARISTOR		QAF0023-431Z	—
△ VA5002	VARISTOR		QAF0023-431Z	—
△ VA5003	VARISTOR		—	QAF0026-621
CN1	FPC CONNECTOR		QGF1028C1-13	QGF1028C1-11
CN3007	WIRE TRAP CONNECTOR		—	QGD2503C1-02
△ F5001	FUSE		QMF51N2-1R25J1	QMF51E2-2R0

SHUTTLE BOARD ASSEMBLY <85>

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
△ PW1	SHUTTLE BOARD ASSY		LPA20006-02A	LPA20006-01A
UN7001	JOG SHUTTLE SWITCH		PESW0679	QSW0845-001

C.BOX BOARD ASSEMBLY <92>

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
△ PW3	C.BOX BOARD ASSY		LPA10089-01B3	—
R7155	MG RESISTOR		NRSA02J-101X	—
J7105	MINI JACK		PU60612	—

LT. BATTERY BOARD ASSEMBLY <93>

REF. NO	ITEM	MODEL	HR-S4800U	HR-S8007UM
△ PW4	LT. BATTERY BOARD ASSY		—	LPA10089-01B4
BT3001	BATTERY HOLDER		—	QNZ0032-001
FW7106	PARA RIBON WIRE		—	QUM022-22A4BF

Note: Mark — is not used.



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VIDEO DIVISION

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