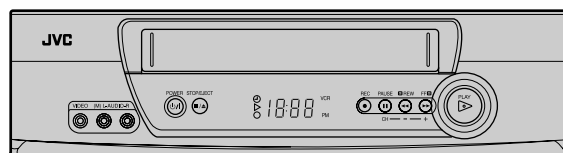


# JVC

## SERVICE MANUAL

### VIDEO CASSETTE RECORDER

## HR-A5U(C)



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 different parts number between models HR-VP59U and HR-A5U(C).

### PACKING AND ACCESSORY ASSEMBLY <M1>

REF. NO	ITEM	MODEL	HR-VP59U	HR-A5U(C)
301	PACKING CASE		LP30836-001A	LP30836-022A
302	CUSHION ASSY		*LP30777-001B	LP30777-001C
303	SHEET		*LP30904-001A	LP30904-002A
△ 310	INST BOOK(EN)		LPT0471-001A	LPT0588-001A
△	INST BOOK(FR)		—	LPT0588-002A
316	WARRANTY CARD		—	BT-52004-1
317	REGIST.CARD		BT-51020-2	—
319	SER.NET CARD		—	BT-20071B

### FINAL ASSEMBLY <M2>

REF. NO	ITEM	MODEL	HR-VP59U	HR-A5U(C)
△ 501	FRONT PANEL ASSY		LP10348-001A	LP10348-014B
501A	CASSETTE DOOR		LP20977-001A	LP20977-002C
501C	DISPLAY WINDOW		LP20976-001A	LP20976-014A
△ 508	STATOR ASSY		*QAR0169-001	QAR0169-002
△ 511	BOTTOM CHASSIS		*LP10350-003B	LP10350-003D

### MECHANISM ASSEMBLY <M4>

REF. NO	ITEM	MODEL	HR-VP59U	HR-A5U(C)
25	PIN		*LP40100-001A	LP40100-002A
42	PINCH ROLLER ARM ASSY		*LP40105-002A	LP40105-003A
43	P.R.SHEET2/P.R.SHEET3		*LP40478-001A	LP40753-001A
47	SLIT WASHER		*LP30016-002A	—
69	CONTROL PLATE		*LP10201-003E	LP10201-003G
91	SPACER,CAPSTAN MOTOR		*—	LP30002-097A

### MAIN BOARD ASSEMBLY <03>

REF. NO	ITEM	MODEL	HR-VP59U	HR-A5U(C)
PW1	MAIN BOARD ASSY		*LPA10130-01B1	LPA10130-01D1
Q2251	DIGI TRANSISTOR		*DTA144WU	—
Q2252	DIGI TRANSISTOR		*DTC114EU	—
R2251	MG RESISTOR		*NRSA63J-222X	NRSA63J-472X
R2252	MG RESISTOR		*NRSA63J-152X	NRSA63J-332X
R2254	MG RESISTOR		*NRSA63J-102X	—
R6503	MG RESISTOR		*—	NRSA02J-153X
R6504	MG RESISTOR		*—	NRSA02J-103X
R7171	MG RESISTOR		*NRSA02J-0R0X	—
R7172	MG RESISTOR		*NRSA02J-0R0X	—
VR6502	TRIM RESISTOR		*QVP0039-223Z	—
B2201	MG RESISTOR		*NRSA02J-0R0X	—
C5203	E CAPACITOR		*QEMT1AM-687	QETN1AM-108
C5204	E CAPACITOR		*QETN2AM-475	QETJ2AM-475
C5302	E CAPACITOR		*QETN1HM-106	QEK1EM-106
K2001	MG RESISTOR		*NRSA63J-0R0X	—
K2002	MG RESISTOR		*NRSA63J-0R0X	—
K2003	MG RESISTOR		*NRSA63J-0R0X	—
K2004	MG RESISTOR		*NRSA63J-0R0X	—
△ TB1	TERMINAL BOARD		*LP20978-001A	LP20978-001B

**Notes :** Mark — is not used.  
Mark : \* reference model was also changed.

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