

JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-J780KR



VHS
Hi-Fi
SQPB
G-CODE®

Regarding service information other than these sections, refer to the HR-VP690U service manual (No.82841). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

GENERAL

Power requirement	: AC 110 V – 220 V~, 60 Hz
Power consumption	
Power on	: 16 W
Power off	: 2.0 W
Temperature	
Operating	: 5°C to 40°C
Storage	: –20°C to 60°C
Operating position	: Horizontal only
Dimensions (W x H x D)	: 400 mm x 94 mm x 278 mm
Weight	: 3.1 kg
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 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 ohms, unbalanced

TIMER

Clock reference	: Quartz
Program capacity	: 1-year programmable timer/8 programs
Memory backup time	: Approx. 3 min.

ACCESSORIES

Provided accessories	: RF cable, 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-VP690U and HR-J780KR.

ITEM	MODEL	HR-VP690U	HR-J780KR
POWER VOLTAGE		120V	110-220V
POWER PLUG		UL,CSA	KOREAN
POWER SAVE		USED	NOT USED
BODY COLOR		MOLD-BLACK	PAINT-PURE SILVER
CHASSIS DIMENSIONS (WxHxD)mm		400x94x212	400x94x265
WINDOW COLOR		SMOKE DARK GRAY	SMOKE LIGHT GRAY
REMOTE CONTROLLER UNIT COLOR		MOLD-BLACK	PAINT-SILVER
INSTRUCTION LANGUAGE		ENGLISH	KOREAN
HEAD CLEANER		NOT USED	USED
FORWARD SLOWMOTION		1/6	1/6, 1/18
REVERSE SLOWMOTION		NOT USED	-1/6, -1/18
FRONT INPUT CONNECTOR COLOR		BLACK	YELLOW,WHITE,RED
REAR INPUT CONNECTOR		NOT USED	USED
R.PAUSE/AV COMPU CONNECTOR		NOT USED	USED
STEREO DECODER		MTS (Multi-channel TV Sound)	A2(KOREA)
SUMMER TIME ADJUST		USED	NOT USED
AUTO CLOCK/JUST CLOCK		USED	NOT USED
VCR PLUS+		VCR+	G-CODE
OSD LANGUAGE		ENGLISH, SPANISH, FRENCH	ENGLISH

The following tables indicate different parts number between models HR-VP690U and HR-J780KR.

PACKING AND ACCESSORY ASSEMBLY<M1>

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

FINAL ASSEMBLY<M2>

FINAL ASSEMBLY<M2> is indicated on the parts list.

MECHANISM ASSEMBLY<M4>

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

MAIN BOARD ASSEMBLY<03>

REF NO.	ITEM	MODEL	HR-VP690U	HR-J780KR
PW1	MAIN BOARD ASSEMBLY		LPA10130-04C1	LPA10141-01B1

DEMODO BOARD ASSEMBLY<14>

REF NO.	ITEM	MODEL	HR-VP690U	HR-J780KR
PW1	DEMODO BOARD ASSEMBLY		—	LPA10094-06B

Notes: Mark ← is same as left.
 Mark — is not used.
 Mark * reference model was also changed.

MINI FRONT BOARD ASSEMBLY<28>

REF NO.	ITEM	MODEL	
		HR-V690U	HR-J780KR
PW6	MINI FRONT BOARD ASSY	LPA10130-01A6	---
R7043	MG RESISTOR	NRSA02J-272X	---
R7044	MG RESISTOR	NRSA02J-472X	---
R7045	MG RESISTOR	NRSA02J-682X	---
S7021	TACT SWITCH	QSW0456-002Z	---
S7022	TACT SWITCH	QSW0456-002Z	---
S7023	TACT SWITCH	QSW0456-002Z	---
CN7002	FPC CONNECTOR	QGF1208C1-09	---

R.PAUSE BOARD ASSEMBLY<91>

REF NO.	ITEM	MODEL	
		HR-V690U	HR-J780KR
PW2	R.PAUSE BOARD ASSEMBLY	---	LPA10141-01B2
R7156	MG RESISTOR	---	NRSA02J-101X
B7151	MG RESISTOR	---	NRSA02J-0R0X
B7152	MG RESISTOR	---	NRSA02J-0R0X
J7104	MINI JACK	---	PU60612

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