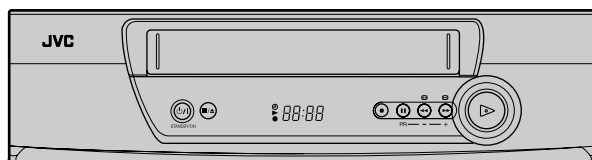


JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-J281MS/J287MS



Regarding service information other than these sections, refer to the HR-J481MS service manual (No.82870). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

GENERAL

Power requirement	
Rating	: AC 110 V – 240 V~, 50 Hz/60 Hz
Operating	: AC 90 V – 260 V~, 50 Hz/60 Hz
Power consumption	: 14 W
Temperature	
Operating	: 5°C to 40°C
Storage	: -20°C to 60°C
Operating position	: Horizontal only
Dimensions (W x H x D)	: 360 mm x 94 mm x 247 mm
Weight	: 3.0 kg
Format	: VHS standard
Maximum recording time	
(SP)	: 240 min. with E-240 video cassette (PAL/MESECAM)
	: 160 min. with T-160 video cassette (NTSC)
(LP)	: 480 min. with E-240 video cassette (PAL/MESECAM)
(EP)	: 480 min. with T-160 video cassette (NTSC)

VIDEO/AUDIO

Signal system	: PAL-type colour signal and CCIR monochrome signal, 625 lines 50 fields
	: NTSC colour and EIA monochrome signals, 525 lines/60 fields
Recording system	: Rotary 2 head helical scan system
Signal-to-noise ratio	: 45 dB
Horizontal resolution	: 250 lines (PAL/MESECAM)
	: 220 lines (NTSC)
Frequency range	: 70 Hz to 10,000 Hz
Input/Output	: RCA 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	: (Low) 42 MHz – 175 MHz (High) 175 MHz – 470 MHz
UHF	: 470 MHz – 870 MHz
Aerial output	: UHF channels (Adjustable E28 – E60)
Memory backup time	: Approx. 6 months
	: Estimated figure based on supplied fresh battery; actual performance may differ.

ACCESSORIES

Provided accessories	: RF cable, Lithium battery CR2025, Infrared remote control unit, "R6/UM-3" 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.

TABLE OF CONTENTS

DIFFERENT TABLE (1 only)

5. PARTS LIST(5-1 only)
 5.1 PACKING AND ACCESSORY ASSEMBLY <M1> 5-1

The following table indicate main different points between models HR-J481MS, HR-J281MS and HR-J287MS.

ITEM	MODEL	HR-J481MS	HR-J281MS	HR-J287MS
VIDEO HEAD		4 HEAD	2 HEAD	←
FRAME ADVANCE & STILL		NOISELESS	REDUCED NOISE	←
SQPB		USED	NOT USED	←
FRONT IN		USED	NOT USED	←

The following table indicate different parts number between models HR-J481MS, HR-J281MS and HR-J287MS.

FINAL ASSEMBLY<M2>

REF NO.	ITEM	MODEL	HR-J481MS	HR-J281MS	HR-J287MS
△ 501	FRONT PANEL ASSY		LP10348-021D	LP10348-016D	LP10348-017D
501A	CASSETTE DOOR		LP20977-011B	LP20977-009B	←
501C	DISPLAY WINDOW		LP20976-021A	LP20976-016A	LP20976-017A
505	DRUM SUB ASSY		LP20981-007A	LP20981-004A	←

MAIN BOARD ASSEMBLY<03>

REF NO.	ITEM	MODEL	HR-J481MS	HR-J281MS	HR-J287MS
PW1	MAIN BOARD ASSY		LPA10130-24A1	LPA10130-21A1	←
R71	MG RESISTOR		—	NRSA02J-0R0X	←
R912	MG RESISTOR		NRSA02J-750X	—	—
R2006	MG RESISTOR		NRSA02J-473X	—	—
R2009	MG RESISTOR		NRSA02J-562X	—	—
C3	CAPACITOR		NCB31CK-104X	—	—
C4	CAPACITOR		NCB31CK-104X	—	—
C51	E CAPACITOR		QERF1HM-105Z	—	—
J7101	PIN JACK,FRONT IN		QNN0382-002	—	—
CN1	FPC CONNECTOR		QGF1028C2-08	QGF1028C3-04	←

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



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VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894