

JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-J580EK/EU, J581EU, J587EU, J588EU, J589EU



SHOWVIEW[®]
DELUXE
SQPB
Hi-Fi **VHS**
PAL

Regarding service information other than these sections, refer to the HR-J680EU/EK service manual (No. 82847). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model HR-J587EU/588EU/589EU, J680EU/681EU/682EU)*

GENERAL

Power requirement	: AC 220 V – 240 V ~ , 50 Hz/60 Hz
Power consumption	
Power on	: 16 W
Power off	: 4.0 W
Temperature	
Operating	: 5°C to 40°C
Storage	: -20°C to 60°C
Operating position	: Horizontal only
Dimensions (WxHxD)	
[HR-J680/681/682EU]	: 400 mm x 94 mm x 278 mm
[HR-J587/588/589EU]	: 360 mm x 94 mm x 278 mm
Weight	
[HR-J680/681/682EU]	: 3.3 kg
[HR-J587/588/589EU]	: 3.2 kg
Format	: VHS PAL standard
Maximum recording time	
(SP)	: 240 min. with E-240 video cassette
(LP)	: 480 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	: 250 lines
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: AUDIO OUT x 1

TUNER/TIMER

TV channel storage capacity	: 99 positions (+AUX position)
Tuning system	: Frequency synthesized tuner
Channel coverage	: VHF 47MHz – 89MHz/ 104MHz – 300MHz/ 302MHz – 470MHz UHF 470MHz – 862MHz
Aerial output	: UHF channels 22 – 69 (Adjustable)
Memory backup time	: Approx. 10 min.

ACCESSORIES

Provided accessories	: RF cable, Infrared remote control unit, “R6” battery x 2
Optional accessories	: Satellite Controller RM-SD1

*Specifications shown are for SP mode unless otherwise specified.
E. & O.E. Design and specifications subject to change without notice.*

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[HR-J580EK]

The following tables indicate main different points between models HR-J680EK and HR-J580EK.

ITEM	MODEL	HR-J680EK	HR-J580EK
SAT_CTL		USED	NOT USED
PLUG & PLAY		AUTO SET.AUTO CLOK	AUTO TUNE
VCR PLUS+		VIDEO PLUS+ DELUXE	VIDEO PLUS
REC LINK		USED	NOT USED
DISPLAY WINDOW color		LIGHT GRAY	SMOKE GRAY

The following tables indicate different parts number between models HR-J680EK and HR-J580EK.

PACKING AND ACCESSORY ASSEMBLY <M1>

REF. NO.	ITEM	MODEL	HR-J680EK	HR-J580EK
301	PACKING CASE		LP30855-001A	LP30897-001A
302	CUSHION ASSY		LP30909-001B	LP30898-001A
310	INST BOOK(EN)		LPT0474-001A	LPT0473-001A
313	LED CABLE ASSY		QAL0095-005	—

FINAL ASSEMBLY <M2>

REF. NO.	ITEM	MODEL	HR-J680EK	HR-J580EK
501	FRONT PANEL ASSY		LP10333-012B	LP10293-028B
501A	CASSETTE DOOR		LP20961-001A	LP20868-031A
501C	BUTTON(OPE)		LP30798-001A	—
501D	DISPLAY WINDOW		—	LP20869-084B
501E	ORNAMENT		—	LP30649-005A
502	TOP COVER		LP10013-051A	PQ11898-52-23
511	BOTTOM CHASSIS		LP10108-001E	LP21026-001B
512	BOTTOM COVER		LP10014-002B	PQ11899-3-7
534	PC SUPPORT,MINI FRONT		—	LP40628-001B
535	BRACKET		—	LP40854-001A
536	SCREW		—	QYTDSF3010Z
WR3	FF WIRE,MINI FRONT		—	QUQ112-0914CG

MAIN BOARD ASSEMBLY <03>

REF. NO.	ITEM	MODEL	HR-J680EK	HR-J580EK
PW1	MAIN BOARD ASSY		LPA10131-05C1	LPA10131-08E1

MINI FRONT BOARD ASSEMBLY <28>

REF. NO.	ITEM	MODEL	HR-J680EK	HR-J580EK
PW1	MINI FRONT BOARD ASSY		—	LPA20005-01A

SAT_CTL BOARD ASSEMBLY <92>

REF. NO.	ITEM	MODEL	HR-J680EK	HR-J580EK
PW4	SAT_CTL BOARD ASSY		LPA10131-01A4	—

Notes : Mark — is not used.

[HR-J580EU/J581EU/J587EU/J588EU/J589EU]

The following tables indicate main different points between models HR-J680EU and HR-J580EU,HR-J581EU,HR-J587EU,HR-J588EU,HR-J589EU.

ITEM	MODEL	HR-J680EU	HR-J580EU	HR-J581EU	HR-J587EU	HR-J588EU	HR-J589EU
SAT_CTL		USED	NOT USED	NOT USED	USED	←	←
PLUG & PLAY		AUTO SET.AUTO CLOK	AUTO TUNE	AUTO TUNE	AUTO SET.AUTO CLOK	←	←
VCR PLUS+		VIDEO PLUS+ DELUXE	VIDEO PLUS	VIDEO PLUS	VIDEO PLUS+ DELUXE	←	←
AUTO CLOCK/JUST CLOCK		USED	NOT USED	NOT USED	USED	←	←
REC LINK		USED	NOT USED	NOT USED	USED	←	←
FRONT PANEL color		PURE SILVER	←	BLACK&GRAY	PURE SILVER	BLACK	BLACK&GOLD
DISPLAY WINDOW color		LIGHT GRAY	SMOKE GRAY	←	←	←	←
FRONT PANEL color		SILVER	←	BLACK	SILVER	BLACK	←

The following tables indicate different parts number between models HR-J680EU and HR-J580EU,HR-J581EU,HR-J587EU,HR-J588EU,HR-J589EU.

PACKING AND ACCESSORY ASSEMBLY <M1>

REF. NO.	ITEM	MODEL	HR-J680EU	HR-J580EU	HR-J581EU	HR-J587EU	HR-J588EU	HR-J589EU
301	PACKING CASE		LP30855-001A	LP30897-001A	←	←	←	←
302	CUSHION ASSY		LP30909-001B	LP30898-001A	←	←	←	←
306	REMOTECONTROLLER		LP20878-002A	←	←	←	LP20878-003A	←
306A	COVER(BATTERY)		LP40610-002A	←	←	←	LP40610-001A	←
△ 310	INST BOOK(EN)		LPT0482-001A	LPT0481-001A	←	LPT0482-001A	←	←
△	INST BOOK(GE)		LPT0482-002A	LPT0481-002A	←	LPT0482-002A	←	←
△	INST BOOK(FR)		LPT0482-003A	LPT0481-003A	←	LPT0482-003A	←	←
△	INST BOOK(DU)		LPT0482-004A	LPT0481-004A	←	LPT0482-004A	←	←
△	INST BOOK(SP)		LPT0482-005A	LPT0481-005A	←	LPT0482-005A	←	←
△	INST BOOK(IT)		LPT0482-006A	LPT0481-006A	←	LPT0482-006A	←	←
△	INST BOOK(DA)		LPT0482-007A	LPT0481-007A	←	LPT0482-007A	←	←
△	INST BOOK(FI)		LPT0482-008A	LPT0481-008A	←	LPT0482-008A	←	←
△	INST BOOK(SW)		LPT0482-009A	LPT0481-009A	←	LPT0482-009A	←	←
△	INST BOOK(NO)		LPT0482-010A	LPT0481-010A	←	LPT0482-010A	←	←
△	INST BOOK(PT)		LPT0482-011A	LPT0481-011A	←	LPT0482-011A	←	←
△	INST BOOK(GR)		LPT0482-012A	LPT0481-012A	←	LPT0482-012A	←	←
△	INST BOOK(CZ)		LPT0482-013A	LPT0481-013A	←	LPT0482-013A	←	←
△	INST BOOK(PO)		LPT0482-014A	LPT0481-014A	←	LPT0482-014A	←	←
△	INST BOOK(HU)		LPT0482-015A	LPT0481-015A	←	LPT0482-015A	←	←

FINAL ASSEMBLY <M2>

REF. NO.	ITEM	MODEL	HR-J680EU	HR-J580EU	HR-J581EU	HR-J587EU	HR-J588EU	HR-J589EU
△ 501	FRONT PANEL ASSY		LP10333-001B	LP10293-025B	LP10293-037A	LP10293-036A	LP10293-026B	LP10293-027B
501A	CASSETTE DOOR		LP20961-001A	LP20868-031A	LP20868-032A	LP20868-031A	LP20868-032A	LP20868-036A
501C	BUTTON(OPE)		LP30798-001A	—	—	—	—	—
501D	DISPLAY WINDOW		—	LP20869-081B	LP20869-097A	LP20869-096A	LP20869-082B	LP20869-083B
501E	ORNAMENT		—	LP30649-005A	LP30649-002A	LP30649-005A	LP30649-002A	←
△ 502	TOP COVER		LP10013-051A	PQ11898-52-23	PQ11898-50-23	PQ11898-52-23	PQ11898-50-23	←
503	SCREW,X4 TOP COVER(SIDE)		QYTDSF3010R	←	QYTDSF3010M	QYTDSF3010R	QYTDSF3010M	←
△ 511	BOTTOM CHASSIS		LP10108-001E	LP21026-001B	←	←	←	←
△ 512	BOTTOM COVER		LP10014-002B	PQ11899-3-7	←	←	←	←
534	PC SUPPORT,MINI FRONT		—	LP40628-001B	←	←	←	←
535	BRACKET		—	LP40854-001A	←	←	←	←
536	SCREW		—	QYTDSF3010Z	←	←	←	←
WR3	FF WIRE,MINI FRONT		—	QUQ112-0914CG	←	←	←	←

MAIN BOARD ASSEMBLY <03>

REF. NO.	ITEM	MODEL	HR-J680EU	HR-J580EU	HR-J581EU	HR-J587EU	HR-J588EU	HR-J589EU
△ PW1	MAIN BOARD ASSY		LPA10131-01D1	LP10131-10F1	←	LP10131-06E1	←	←

MINI FRONT BOARD ASSEMBLY <28>

REF. NO.	ITEM	MODEL	HR-J680EU	HR-J580EU	HR-J581EU	HR-J587EU	HR-J588EU	HR-J589EU
△ PW1	MINI FRONT BOARD ASSY		—	LPA20005-01A	←	←	←	←

SAT_CTL BOARD ASSEMBLY <92>

REF. NO.	ITEM	MODEL	HR-J680EU	HR-J580EU	HR-J581EU	HR-J587EU	HR-J588EU	HR-J589EU
△ PW4	SAT_CTL BOARD ASSY		LPA10131-01A4	—	—	LPA10131-01A4	←	←

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



JVC

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