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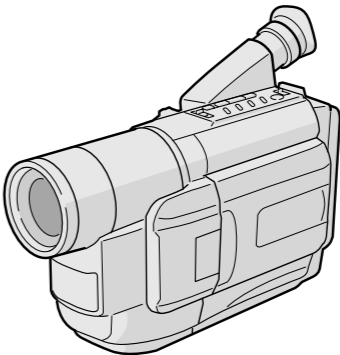
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JVC

SERVICE MANUAL

COMPACT VHS CAMCORDER

GR-SXM335U, SXM730U, SXM735U



Regarding service information other than these sections, refer to the GR-SXM330U, SXM930U service manual (No. 86595). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-SXM735U)*

Camcorder		Operating temperature	: 0°C to 40°C (32°F to 104°F)	Digital	: ø2.5 mm, 4-pole, mini-head jack
General		Operating humidity	: 35% to 80%	S-Video	: Y : 1 V (p-p), 75 Ω, analog output C : 0.29 V (p-p), 75 Ω, analog output
Format	: S-VHS/VHS NTSC standard	Storage temperature	: -20°C to 50°C (-4°F to 122°F)	AC Adapter AP-V10U	
Power source	: DC 11 V (Using AC Adapter) DC 6 V (Using battery pack)	Weight	: Approx. 900 g (2.0 lbs)	Power requirement	
Power consumption		Dimensions	: 206 mm x 112 mm x 118 mm (8-1/8" x 4-7/16" x 4-11/16") (with the LCD monitor closed and with the viewfinder fully tilted downward)	U.S.A. and Canada	: AC 120 V~, 60 Hz
Viewfinder on	: 4.7 W	Pickup	: 1/4" format CCD	Other countries	: AC 110 V to 240 V~, 50 Hz/60 Hz
LCD monitor on	: 5.4 W	Lens	: F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm	Output	: DC 11 V , 1 A
Video light	: 3.0 W	Viewfinder	: Electronic viewfinder with 0.55" color LCD	Dimensions (W x H x D)	: 59 mm x 31 mm x 69 mm (2-3/8" x 1-1/4" x 2-3/4")
Signal system	: NTSC-type	White balance adjustment	: Auto/Manual adjustment	Weight	: Approx. 130 g (0.29 lbs)
Video recording system	: FM recording	LCD monitor	: 2.5" diagonally measured, LCD panel/TFT active matrix system	Optional Accessories	
Luminance	: Converted sub-carrier direct recording	Speaker	: Monaural	• Battery Packs BN-V12U, BN-V20U, BN-V400U	
Color	: Conforms to VHS standard	Connectors		• A/V (Audio/Video) Cable	
Cassette	: / cassette	Video	: 1 V (p-p), 75 Ω unbalanced, analog output (via Video output connector)	• S-Video Cable QAM0004-004	
Tape speed		Audio	: 300 mV (rms), 1 kΩ analog output (via Audio output connector)	• Compact S-VHS () Cassettes ST-C-40/30/20	
SP	: 33.35 mm/sec. (1-5/16 ips)				• Compact VHS () Cassettes TC-40/30/20
EP	: 11.12 mm/sec. (7/16 ips)				• Active Carrying Bag CB-V7U
Recording time (max.)					Some accessories are not available in some areas. Please consult your nearest JVC dealer for details on accessories and their availability.
SP	: 40 minutes				
EP	: 120 minutes (with TC-40)				
D.S.C. format					
Recording format	: Digital data storage (based on JPEG)				
Recording medium	: Built-in flash memory, 2 Mbyte				
Number of storable shots					
FINE mode	: approx. 30 shots				
STANDARD mode	: approx. 60 shots				
Image size	: 640 x 480 pixels				

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

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The following table indicate main different points between models GR-SXM930U, SXM735U, SXM730U/UC, SXM330U and GR-SXM335U.

ITEM \ MODEL	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
BATTERY PACK	BN-V11U	BN-V11U	BN-V11U	BN-V11U	BN-V20BU
BODY COLOR	Silver	Silver	Silver	Metallic gray	Metallic gray
DSC	Used	Used	Used	Not used	Not used
LCD MONITOR	3"	2.5"	3"	2.5"	2.5"
PC CONNECTION CABLE	Optional	Provided	Provided	Optional	Optional
VIEW FINDER	Color	Color	Black/White	Black/White	Black/White

The following table indicate different parts number between models GR-SXM930U, SXM735U, SXM730U/UC, SXM330U and GR-SXM335U.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5

REF. NO.	ITEM \ MODEL	GR-SXM930U	GR-SXM735U	GR-SXM730U	GR-SXM730UC	GR-SXM330U	GR-SXM335U
1	PACKING CASE	LY32179-005A	←	←	←	LY32179-004A	←
7	REGIST.CARD/WARRANTY CARD	BT-51020-2	←	←	BT-52004-1	BT-51020-2	←
△ 11	BATTERY PACK	YQ10629A	←	←	←	←	LY31199-001A
14	CORE FILTER	QQR0491-002	←	←	←	-	-
15	PC CONNECTION CABLE	QAM0084-001	←	←	←	-	-
16	REMOTE CONTROL UNIT	LY42129-001A	←	←	←	←	-
18	AAA(R03)BATTERY,X2	Used	Used	Used	Used	Used	Not Used
19	CD ROM	* LY31133-001B	LY32210-007A	←	←	-	-
20	POLY BAG	* LY30023-010A	-	-	-	-	-
21	SER.NET CARD	-	-	-	BT-20071B	-	-
22	SOFT WARE PERM.	YU30843-4	←	←	←	-	-
26	SHEET (INSTALL)	LYT0309-004A	←	←	←	-	-

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

FINAL ASSEMBLY <M2>

REF. NO.	MODEL ITEM	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
101	LOWER CASE ASSY	LY20684-009A	←	←	LY20684-008A	←
102	COVER(JACK)	* LY31945-001B	LY31945-001C	←	* LY31945-001B	LY31945-001C
104	FRONT COVER ASSY	LY20683-015A	←	←	LY20683-005B	←
105	CASS.COVER(M)ASSY	* LY20694-002A	LY20694-002B	←	* LY20694-004A	LY20694-004B
106	UPPER CASE(M)	LY10257-018A	LY10257-037A	LY10257-036A	LY10257-015A	LY10257-039A
109	TOP OPE UNIT	LY20614-008B	←	←	LY20614-012B	←
114	STICKER(D)	LY32061-004A	←	←	LY32061-005A	←
115	SCREW	* QYSLSF2060D,X5	QYSLSF2060D,X4	←	* QYSLSF2060D,X5	QYSLSF2060D,X4
136	SCREW/SPECIAL SCREW	* QYSLSF2060D	LY42981-001A	←	* QYSLSF2060D	LY42981-001A
154	HOLDER(DSC P.)	LY20645-001A	←	←	-	-
155	SCREW	QYSLSF2060D	←	←	-	-
156	FPC(DSC)ASSY	LY42875-001A	←	←	-	-
156A	S.SHEET(DSC FPC)	LY42876-001A	←	←	-	-
157	INSULATER	YU40341	←	←	-	-

ELECTRONIC VIEWFINDER ASSEMBLY <M4>

REF. NO.	MODEL ITEM	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
△ 300	E.VF ASSY	LYH20242-001A	←	-	-	-
303	SPACER(HOLDER)	* LY42221-001C	LY43013-001A	-	-	-
△ 350	E.VF ASSY	-	-	LY20701-001A	←	←

MONITOR ASSEMBLY <M5>

REF. NO.	MODEL ITEM	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
△ 500	MONITOR ASSY	* LYH20217-014A	LYH20217-019B	LYH20217-014B	* LYH20217-015A	LYH20217-005B
△ 501	M.COVER ASSY	LY20679-008A	←	←	LY20679-009A	←
502	M.CASE(3/2.5)ASSY	LY32035-001A	LY32036-001A	LY32035-001A	LY32036-001A	←
504	HINGE COVER(U)	LY31939-001A	←	←	LY31939-004A	←
515	HOLDER(3/2.5PWB)	LY20647-001A	LY20672-001B	LY20647-001A	LY20672-001B	←
519	BACK LIGHT	QLL0094-001	QLL0093-001	QLL0094-001	QLL0093-001	←
520	LCD MODULE	QLD0118-001	QLD0176-001	QLD0118-001	QLD0176-001	←

MAIN BOARD ASSEMBLY <01>

REF. NO.	MODEL ITEM	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
PW	MAIN BOARD ASSY	YB10310UG-02	YB10310VA	YB10310UZ	YB10310UD-01	YB10310UY

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

C-VF BL BOARD ASSEMBLY <06>

REF. NO.	ITEM \ MODEL	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
PW	C-VF BL BOARD ASSY	YB20901A	←	—	—	—
R7562	MG RESISTOR	* NRSA63J-470X	NRSA63J-360X	—	—	—

MONITOR BOARD ASSEMBLY <07>

REF. NO.	ITEM \ MODEL	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
PW	MONITOR BOARD ASSY	* YB20900A-01	YB20900D	YB20900C	* YB20900B-01	YB20900D
IC7501	IC	* TC7WH34FK	—	—	* TC7WH34FK	—
R7511,R7512	MG RESISTOR	NRSA63J-223X	—	NRSA63J-223X	—	—
R7513	MG RESISTOR	—	NRSA63J-103X	—	NRSA63J-103X	←
R7514	MG RESISTOR	NRSA63J-333X	—	NRSA63J-333X	—	—
R7515	MG RESISTOR	NRSA63J-562X	NRSA63J-302X	NRSA63J-562X	NRSA63J-302X	←
R7519 to R7521	MG RESISTOR	* —	NRSA63J-0R0X	←	* —	NRSA63J-0R0X
C7502	CAPACITOR	* NCB31EK-103X	—	—	* NCB31EK-103X	—
C7510	CAPACITOR	NCB31EK-103X	—	NCB31EK-103X	—	—

DSC BOARD ASSEMBLY <08>

REF. NO.	ITEM \ MODEL	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
PW	DSC BOARD ASSY	YB20898B	←	←	—	—
WR1	E-SI C WIRE C-F,JP8001/JP8002	* WJM0179-001A	WJM0179-001B	←	—	—

E.VF BOARD ASSEMBLY <60>

REF. NO.	ITEM \ MODEL	GR-SXM930U	GR-SXM735U	GR-SXM730U/UC	GR-SXM330U	GR-SXM335U
PW	E.VF BOARD ASSY	—	—	LY41289-002A	←	←

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