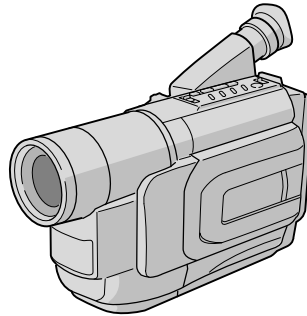


JVC

SERVICE MANUAL

VIDEOCAMARA VHS COMPACTO

GR-SXM257UM, SXM357UM/UB, SXM757UM/UB

**S VHS**

Super VHS
Super VHS ET

Regarding service information other than these sections, refer to the GR-SXM340U and GR-SXM740U service manual (No. 86656). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS (The specifications shown pertain specifically to the model GR-AX787, SX887, SXM257, SXM357, SXM757, SXM957)

Videocámara

Generalidades

Formato	: Norma NTSC S-VHS (GR-SXM957/SXM757/SXM357/SXM257/SX887 exclusivamente)/VHS
Alimentación	: 11 V CC --- (Empleando el adaptador de CA) 6 V CC --- (Utilizando la batería)
Consumo de energía	
Visor conectado	: 4.0 W (GR-SXM957/SXM757/SXM357/SXM257 exclusivamente) 3.7 W (GR-SX887/AX787 exclusivamente)
Monitor LCD* conectado	: 4.5 W (GR-SXM957/SXM757/SXM357/SXM257 exclusivamente)
Foco de video**	: 3.0 W
*Sólo para modelos aplicables. ** GR-SXM957/SXM757/SXM357/SXM257/SX887 exclusivamente.	
Sistema de señales	: Tipo NTSC
Sistema de registro de video	
Luminancia	: Registro por FM
Color	: Registro directo por subportadora convertida Según la norma VHS
Cassette	: Videocassette S VHS / VHS
Velocidad de la cinta	
SP	: 33.35 mm/seg. (1-5/16 ips)
EP	: 11.12 mm/seg. (7/16 ips)
Tiempo máximo de grabación	
SP	: 40 min.
EP	: 120 min. (con un cassette TC-40)
Temperatura de funcionamiento	: 0°C a +40°C (32°F a 104°F)
Margen de humedad para funcionamiento	: 35% a 80%
Temperatura de almacenamiento	: -20°C a +50°C (-4°F a 122°F)
Peso	: Aprox. 930 g (2.1 lbs) (GR-SXM957 exclusivamente) Aprox. 910 g (2.0 lbs) (GR-SXM757/SXM357/SXM257 exclusivamente) Aprox. 850 g (1.9 lbs) (GR-AX787 exclusivamente) Aprox. 820 g (1.8 lbs) (GR-SX887 exclusivamente)
Dimensiones (An x Al x Pr)	: 200 mm x 112 mm x 118 mm (7-7/8" x 4-7/16" x 4-11/16") (GR-SXM957/SXM757/SXM357/SXM257 exclusivamente) 200 mm x 112 mm x 115 mm (7-7/8" x 4-7/16" x 4-9/16") (GR-SX887/AX787 exclusivamente) (con el monitor LCD* cerrado y con el visor totalmente inclinado hacia abajo)
*Sólo para modelos aplicables.	
Fonocaptor	: CCD de 1/4"
Objetivo	: Objetivo zoom motorizado F1.6, f = 3.9 mm a 62.4 mm, objetivo de zoom motorizado de 16:1 con diafragma automático y control de macro, diámetro de filtro de 40.5 mm
Visor	: Electrónico con pantalla catódica monocroma de 0.55" color LCD (GR-SX887 exclusivamente) Electrónico con pantalla catódica monocroma de 0.5" (GR-SXM957/SXM757/SXM357/SXM257/AX787 exclusivamente)

Ajuste del balance del blanco	: Automático/manual
Monitor LCD (sólo para modelos aplicables)	: 3.5" medidas diagonalmente, sistema de matriz activa LCD/TFT (GR-SXM957 exclusivamente) 3" medidas diagonalmente, sistema de matriz activa LCD/TFT (GR-SXM757 exclusivamente) 2.5" medidas diagonalmente, sistema de matriz activa LCD/TFT (GR-SXM357/SXM257 exclusivamente)
Altavoz (sólo para modelos aplicables)	: Monofónico

Conectores

Video	: 1 V (p-p), 75 Ω desequilibrada, salida analógica (vía conector de salida de video)
Audio	: Salida analógica de 300 mV (rms), 1 kΩ (vía conector de salida de audio)
Digital (GR-SXM957/SXM757 exclusivamente)	: Jack con minicabeza de ø3,5 mm, 4-polos
S-Video (GR-SXM957/SXM757/SXM357/SXM257/SX887 exclusivamente)	: Y : Salida analógica 1 V (p-p), 75 Ω C : Salida analógica 0.29 V (p-p), 75 Ω

Adaptador de CA

Alimentación	: 110 V a 240 V de CA, 50 Hz/60 Hz
Salida	: CC 11 V ---, 1 A

Accesorios opcionales

- Baterías BN-V12U, BN-V20U, BN-V400U
- Cable A/V (Audio/Video)
- Cable S-video QAM0004-004
- S-VHS (**S VHS**) Compacto (cassettes S-VHS-C) ST-C40/30/20
- VHS (**VHS**) Compacto (cassettes VHS-C) TC-40/30/20
- Bolso CB-V7U

Algunos accesorios no se encuentran disponibles en ciertas áreas. Por favor consulte a su agente más cercano de JVC antes de comprar los accesorios opcionales.

Las especificaciones indicadas son para el modo SP a menos que se indique lo contrario. E & O.E. El diseño y las especificaciones están sujetos a cambio sin aviso.

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The following table indicate main different points between models GR-SXM340U, GR-SXM257UM, GR-SXM357UM and GR-SXM357UB.

ITEM \ MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
BODY COLOR	METALLIC GRAY	←	SILVER	←
TOTAL ZOOM RATIO	600X	700X	←	←
DIGITAL TERMINAL	Used	Not Used	←	←
AC ADAPTER	AP-V12U	←	←	AP-V12EG
REMOTE CONTROL UNIT	Not Used	←	Provided · RM-V715U	Option
CASSETTE ADAPTER	Provided · C-P7U	←	←	Option

The following table indicate main different points between models GR-SX740U, GR-SXM757UM and GR-SXM757UB.

ITEM \ MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
LCD MONITOR	3.5"	3.0"	←
TOTAL ZOOM RATIO	600X	700X	←
AC ADAPTER	AP-V12U	←	AP-V12EG
REMOTE CONTROL UNIT	Not Used	Provided · RM-V715U	Option
CASSETTE ADAPTER	Provided · C-P7U	←	Option

The following table indicate different parts number between models GR-SXM340U, GR-SXM257UM, GR-SXM357UM and GR-SXM357UB.

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

△ REF. No.	ITEM \ MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
1	PACKING CASE	LY32545-001B	LY32563-035A	LY32563-025A	—
6	REGIST.CARD	BT-51028-1	—	—	—
7	WARRANTY INF.	BT-51005-5	—	—	—
9	SHEET(AGREMENT)	LYT0934-001A	—	—	—
△ 11	AC ADAPTER	LY20848-001B	←	←	LY20847-001C
△ 12	POWER CORD	—	—	—	QMPS110-190-JR
16	BATTERY	AA(R6)	←	←	—
19	REMOTE CONTROL UNIT	—	—	LY42129-001A	—
20	BATTERY,X2	—	—	AAA(R03)	—
21	CASSETTE ADAPTER	YQ31963B-3	←	←	—
22	POLY BAG	YQ43446	←	←	—
32	PC CONNECTION CABLE	QAM0384-001	—	—	—
33	CORE FILTER	QQR1266-001	—	—	—
34	CD ROM ASSY	LY32210-020B	—	—	—
36	SHEET(ATT.)	LYT0974-001A	—	—	—
37	SHEET(CORRECT.)	—	*LYT1039-001A	*←	—
38	SHEET(CORRECT.)	—	*LYT1016-001A	*←	—

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

FINAL ASSEMBLY <M2>

REF. No.	ITEM	MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
101	CASSETTE COVER(M)ASSY		LY20694-012A	←	LY20694-011A	←
103	UPPER CASE(M)		LY10257-054A	LY10257-067A	LY10257-064A	←
110	LOWER CASE ASSY		LY20684-023A	LY20684-022A	LY20684-023A	←
125	TOP OPERATION UNIT		LY20614-012C	LY20614-020B	LY20614-009C	←
130	REAR UNIT		LY20615-007B	LY20615-005E	←	←
△ 135	FRONT COVER ASSY		LY20683-036A	LY20683-048A	LY20683-044A	←
135H	STICKER(C)		LY32060-003A	LY32060-005A	LY32060-003A	←
139	TAP SCREW		—	*QYSPSTU1725M	*←	*←
142	SCREW		QYSPSPU1720Z(.X2)	*QYSPSPU1720Z(.X1)	*←	*←

MECHANISM ASSEMBLY <M3>

REF. No.	ITEM	MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
400	MECHA(B)ASSY		YMA0034A-E	←	←	YMA0036A-E
444	CAPSTAN MOTOR		QAR0212-001	←	←	QAR0212-002

MONITOR ASSEMBLY <M5>

REF. No.	ITEM	MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
△ 500	MONITOR ASSY		LY20836-005A	←	LY20836-015A	←
△ 501	MONITOR COVER ASSY		LY20834-004A	←	LY20834-007A	←
505	HINGE COVER(UPPER)		LY31939-004A	←	LY31939-001A	←

MAIN BOARD ASSEMBLY <01>

REF. No.	ITEM	MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
PW1	MAIN BOARD ASSY		YB10356UB1-01	YB10356UO1-01	YB10356UG1-01	←
IC105	IC(DIGITAL)		TC7S66FU-X		—	—
IC1801	IR DETECT UNIT		—	—	PIC-26043S	←
IC4002	IC		Z4C2973-32-X	—	Z4C2973-32-X	←
IC8001	IC		MAX3221CAE	—	—	—
D8001	ZENER DIODE		EMZ6.8N	—	—	—
D8002	ZENER DIODE		EMZ6.8N	—	—	—
R182	MG RESISTOR		NRSA63J-105X	—	—	—
R4013	MG RESISTOR		NRSA63J-102X	—	NRSA63J-102X	←
R8001	MG RESISTOR		NRSA63J-331X	—	—	—
R8002	MG RESISTOR		NRSA63J-0R0X	—	—	—
R8003	MG RESISTOR		NRSA63J-0R0X	—	—	—
C140	CAPACITOR		—	*NDC31HJ-220X	*←	*←
C144	CAPACITOR		—	*NDC31HJ-101X	*←	*←
C4006	CAPACITOR		—	NDC31HJ-100X	—	—
C4024	CAPACITOR		NCF31EZ-104X	—	NCF31EZ-104X	←
C4044	CAPACITOR		NCB30JK-105X	—	NCB30JK-105X	←
C8001	CAPACITOR		NCF31EZ-104X	—	—	—
C8002	CAPACITOR		NCF31EZ-104X	—	—	—
C8003	CAPACITOR		NCF31EZ-104X	—	—	—
C8004	CAPACITOR		NCF31EZ-104X	—	—	—
C8005	T CAPACITOR		NBE20JM-106X	—	—	—
C8006	CAPACITOR		NCF31EZ-104X	—	—	—
L501	MG RESISTOR		NRSA63J-0R0X	—	—	—
L8001	COIL		NQL365K-220X	—	—	—

MONITOR BOARD ASSEMBLY <07>

REF. No.	ITEM	MODEL	GR-SXM340U	GR-SXM257UM	GR-SXM357UM	GR-SXM357UB
C7616	CAPACITOR		NDC31HJ-330X	*NDC31HJ-560X	*←	*←

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

The following table indicate different parts number between models GR-SXM740U, GR-SXM757UM and GR-SXM757UB.

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

REF. No.	ITEM	MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
1	PACKING CASE		LY32545-006B	LY32563-033A	—
6	REGIST.CARD		BT-51028-1	—	—
7	WARRANTY INF.		BT-51005-5	—	—
△ 11	AC ADAPTER		LY20848-001B	←	LY20847-001C
△ 12	POWER CORD		—	—	QMPS110-190-JR
16	BATTERY		AA(R6)	←	—
19	REMOTE CONTROL UNIT		—	LY42129-001A	—
20	BATTERY,X2		—	AAA(R03)	—
21	CASSETTE ADAPTER		YQ31963B-3	←	—
22	POLY BAG		YQ43446	←	—
33	CORE FILTER		QQR1266-001	—	—
37	SHEET(CORRECT.)		—	*LYT1039-001A	—
38	SHEET(CORRECT.)		—	*LYT1016-001A	—

FINAL ASSEMBLY <M2>

REF. No.	ITEM	MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
101	CASSETTE COVER(M)ASSY		LY20815-001A	LY20694-011A	←
103	UPPER CASE(M)		LY10257-056A	LY10257-066A	←
130	REAR UNIT		LY20764-010A	LY20615-007B	LY20615-007A
△ 135	FRONT COVER ASSY		LY20683-035A	LY20683-046A	←
139	TAP SCREW		—	*QYSPSTU1725M	*←
142	SCREW		QYSPSPU1720Z(.X2)	*QYSPSPU1720Z(.X1)	*←

MECHANISM ASSEMBLY <M3>

REF. No.	ITEM	MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
400	MECHA(B)ASSY		YMA0034A-E	←	YMA0036A-E
444	CAPSTAN MOTOR		QAR0212-001	←	QAR0212-002

MONITOR ASSEMBLY <M5>

REF. No.	ITEM	MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
△ 500	MONITOR ASSY		LY20836-007A	LY20836-010A	←
△ 501	MONITOR COVER ASSY		LY20816-001A	LY20834-007A	←
501C	SPACER(A)		—	LY30029-0R3A	←
501D	SPACER(A)		—	LY30029-0R4A	←
502	MONITOR CASE ASSY		LY32544-001A	LY32035-001A	←
504	SHIELD CASE		LY32334-001A	LY32332-001A	←
518	LCD MODULE		QLD0212-001	QLD0213-001	←
519	LIGHT SCREEN		—	LY43391-001A	←
520	LAMP		—	QLL0111-001	←
521	HOLDER,X2		—	LY43394-001	←
522	SHEET		—	LY43395-001A	←
523	DIFFUSION SHEET(3)		—	LY43363-001A	←
528	LCD FRAME		LY32335-001A	LY32333-001A	←
530	BACK LIGHT		QLL0113-001	—	—

MAIN BOARD ASSEMBLY <01>

REF. No.	ITEM	MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
PW1	MAIN BOARD ASSY		YB10356UK1-01	YB10356UC1-01	←
IC1801	IR DETECT UNIT		—	PIC-26043S	←
C140	CAPACITOR		—	*NDC31HJ-220X	*←
C144	CAPACITOR		—	*NDC31HJ-101X	*←

MONITOR BOARD ASSEMBLY <07>

REF. No.	ITEM	MODEL	GR-SXM740U	GR-SXM757UM	GR-SXM757UB
PW	MONITOR BOARD ASSY		YB20913F	YB20913E	←
Q7607	TRANSISTOR		DTC144EE	—	—
R7622	MG RESISTOR		NRSA63J-0R0X	—	—
R7647	MG RESISTOR		—	NRSA63J-0R0X	←
R7648	MG RESISTOR		NRSA63J-103X	—	—
R7649	MG RESISTOR		—	NRSA63J-333X	←
R7650	MG RESISTOR		NRSA63J-103X	—	—

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