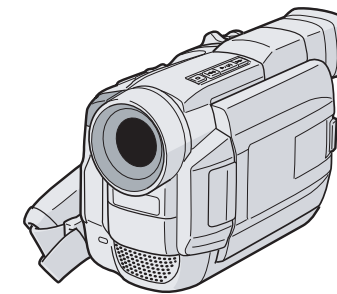


JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVL805KR



Mini DV NTSC
DSC
DIGITAL
STILL CAMERA

Regarding service information other than these sections, refer to the GR-DVL805U service manual (No.86550). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS

Camcorder

For General

Power supply	: DC 6.3 V (Using AC Power Adapter/Charger) DC 7.2 V (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.3 W
LCD monitor on, viewfinder off	: Approx. 5.3 W
Video light	: Approx. 3.5 W
Dimensions (W x H x D)	: 80 mm x 96 mm x 159 mm (3-3/16" x 3-13/16" x 6-5/16") (with the LCD monitor closed and the viewfinder pushed down)
Weight	: Approx. 580 g (1.3 lbs)
Operating temperature	: 0°C to 40°C (32°F to 104°F)
Operating humidity	: 35% to 80%
Storage temperature	: -20°C to 50°C (-4°F to 122°F)
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens
Filter diameter	: ø37 mm
LCD monitor	: 3.5" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44" color LCD
Speaker	: Monaural

For Digital Video Camera

Format	: DV format (SD mode)
Signal format	: NTSC standard
Recording/Playback format	: Video: Digital component recording : Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

For Digital Still Camera

Storage media	: Built-in flash memory, 2 Mbyte
Compression system	: JPEG (compatible)
File size	: VGA: 640 x 480 pixels
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images	
FINE	: 30
STANDARD	: 60

For Connectors

S	: Y : 1 V (p-p), 75Ω, analog output C : 0.29 V (p-p), 75Ω, analog output
AV	
Video output	: 1 V (p-p), 75Ω, analog
Audio output	: 300 mV (rms), 1 kΩ, analog, stereo
DV	
Input/output	: 4-pin, IEEE 1394 compliant
PC (DIGITAL PHOTO)	
Digital still output	: ø2.5 mm, 3-pole
J/LIP/EDIT	: ø3.5 mm, 4-pole

AC Power Adapter/Charger AA-V40KR

Power requirement	: AC 110 V to 220 V~, 60 Hz
Power consumption	: 23 W
Output	
Charge	: DC 7.2 V, 1.2 A
VTR	: DC 6.3 V, 1.8 A
Dimensions (W x H x D)	: 68 mm x 38 mm x 110 mm (2-11/16" x 1-1/2" x 4-3/8")
Weight	: Approx. 250 g (0.56 lbs)

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

JVC

VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

TABLE OF CONTENTS

DIFFERENT TABLE

4. CHARTS AND DIAGRAMS

4.1 MAIN (TG/VGR) SCHEMATIC DIAGRAM	4-1
4.2 BOARD INTERCONNECTION	4-2
4.3 CAMERA DSP SCHEMATIC DIAGRAM	4-4
4.4 JACK CIRCUIT BOARD	4-6
4.4 JUNCTION CIRCUIT BOARD	4-7
4.5 REAR CIRCUIT BOARD	4-7
4.6 MAIN CIRCUIT BOARD	4-8

5. PARTS LIST

5.1 PACKING ASSEMBLY <M1>	5-1
5.2 FINAL ASSEMBLY <M2>	5-3

6. AC POWER ADAPTER

6.1 CABINET ASSEMBLY <MA>	6-1
6.2 SCHEMATIC DIAGRAM	6-2
6.3 CIRCUIT BOARD	6-4
6.4 ELECTRICAL PARTS LIST	6-5

The following table indicate main different points between models GR-DVL805U and GR-DVL805KR.

MODEL	GR-DVL805U	GR-DVL805KR
ITEM		
AC ADAPTER CHARGER	AA-V40U	AA-V40KR

The following table indicate different parts number between models GR-DVL805U and GR-DVL805KR.

PACKING ASSEMBLY <M1>

REF NO.	MODEL	GR-DVL805U	GR-DVL805KR
1	PACKING CASE	LY31631-008B	LY31631-026A
5	INST. BOOK	LYT0575-001B (ENGLISH)	LYT0615-001A (KOREA)
6	INST. BOOK (SOFT, SET UP)	LYT0576-001A (ENGLISH)	LYT0616-001A (KOREA)
9	Q.CARD (JCA)	YU10350	—
10	WRRANTY INF.	BT-51005-4	—
11	REGIST. CARD	BT-51020-2	—
15	IB (CAPTURE)	LYT0576-002A (ENGLISH)	LYT0615-002A (KOREA)
16	IB (PICNAVI)	LYT0576-003A (ENGLISH)	LYT0616-003A (KOREA)
23	LENS CAP	LY42182-001A	LY42182-002A
29	AC POWER ADAPTER, CHAGER	LY20591-001B (AA-V40U)	LY20591-010A (AA-V40KR)

Note : Mark — is not used.

FINAL ASSEMBLY <M2>

REF NO.	MODEL		GR-DVL805U	GR-DVL805KR
	ITEM			
101	LOWER CASE ASSY		LY20560-001B	LY20560-004B
104	CASS. COVER ASSY		LY31609-001A	LY31609-003C
104B	BKT (E.KNOB)		* LY42173-001A	LY42173-001B
108	REAR COVER ASSY		LY31596-001A	LY31596-003B
111	UPPER CASE (3) ASSY		LY20550-002A	LY20550-006C
139	SCREW		* LY30018-096A	QYSPSPT1725R
143	SCREW		* LY30018-059A	QYSPSGT1760R
150	HOLDER (MECHA) ASSY		* LY31618-001B	LY31618-001C
150B	SPECIAL SCREW		LY30018-056A	LY300180B4A
168	SHEET		* —	LY42583-001A

Note : Mark — is not used.

Note : Mark * is GR-DVL-805U was also changed.

ELECTRONIC VIEWFINDER ASSEMBLY <M4>

REF NO.	MODEL		GR-DVL805U	GR-DVL805KR
	ITEM			
300	COLOR VF UNIT		* LY20596-001A	LY20596-001B
306	HINGE (VF) ASSY		* LY31602-001A	LY31602-001C

Note : Mark * is GR-DVL-805U was also changed.

MONITOR ASSEMBLY <M5>

REF NO.	MODEL		GR-DVL805U	GR-DVL805KR
	ITEM			
501	MONITOR COVER ASSY		* LY20565-006A	LY20565-006B

Note : Mark * is GR-DVL-805U was also changed.

MAIN BOARD ASSEMBLY <01>

REF NO.	ITEM	MODEL	GR-DVL805U	GR-DVL805KR
PW1	MAIN BOARD ASSY		* YB10277F-02	YB10277F-05
R1077	MG RESISTOR		* NRVA6AD-473W	NRSA6AD-473W
R2102- R2105 R2205	MG RESISTOR		* NRSA6AJ-0R0W	—
R3007 R3201 R3202 R3215 R3235 R3309 R3330	MG RESISTOR		* NRSA6AJ-0R0W	—
R3706	MG RESISTOR		* NRSA6AJ-152W	NRSA6AJ-102W
C2203 C2205 C2214 C2623	C CAPACITOR		* NBP21CM-105X	NCB11CK-105X
C3702	C CAPACITOR		* NCFA1AZ-104W	NCB30JK-105X
L2601- L2603	MG RESISTOR		* NRSA63J-0R0X	—
IC5601	IC		* —	TC7S32FU-X
IC5602	IC		* —	TC7S04FU-X
R5602	MG RESISTOR		* —	NRSA6AJ-0R0W
C5601 C5602	C CAPACITOR		* —	NCBAIAK-104W

Note : Mark — is not used.

Note : Mark * is GR-DVL-805U was also changed.

JUNCTION BOARD ASSEMBLY <05>

REF NO.	ITEM	MODEL	GR-DVL805U	GR-DVL805KR
PW2	JUNCTION BOARD ASSY		* YB10278A2-01	YB10278A2-02

Note : Mark * is GR-DVL-805U was also changed.

JACK BOARD ASSEMBLY <06>

REF NO.	ITEM	MODEL	GR-DVL805U	GR-DVL805KR
PW1	JACK BOARD ASSY		* YB10287A2-01	YB10267A2-02

Note : Mark * is GR-DVL-805U was also changed.

REAR BOARD ASSEMBLY <07>

REF NO.	ITEM	MODEL	GR-DVL805U	GR-DVL805KR
PW3	REAR BOARD ASSY		* YB10278A3-01	YB10278A3-02

Note : Mark * is GR-DVL-805U was also changed.