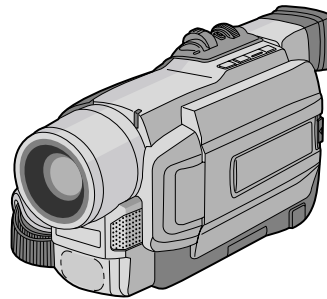


JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVL813KR,817KR



Regarding service information other than these sections, refer to the GR-DVL815U service manual (No. 86601). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS (The specifications shown pertain specifically to the model GR-DVL318KR,817KR)

캠코더

일반사양	
전원:	: DC 11.0V \equiv (AC 전원 어댑터 사용) DC 7.2 V \equiv (배터리 팩 사용)
소비전력:	
LCD 모니터 OFF, 뷰파인더 ON	: 약 4.3 W
LCD 모니터 ON, 뷰파인더 OFF	: 약 5.3 W
비디오 라이트	: 약 3.5 W
크기 (W x H x D)	: 83 mm x 97 mm x 188 mm (3-5/16" x 3-7/8" x 7-7/16") (LCD 모니터를 접고, 뷰파인더를 내린 상태에서)
무게	: 약 610 g (1.4 lbs) (GR-DVL817) 약 600 g (1.4 lbs) (GR-DVL318)
작동 온도	: 0°C ~ 40°C (화씨 32 ~ 104도)
작동 습도	: 35% ~ 80%
저장 온도	: -20°C ~ 50°C (화씨 -4 ~ 122도)
픽업	: 1/4" CCD
렌즈	: F 1.8, f = 3.6 mm ~ 36 mm, 10:1 파워 줌 렌즈
필터 직경	: \varnothing 37 mm
LCD 모니터	: 3.5" 대각선 측정화면, LCD 패널/TFT active matrix system (GR-DVL817) 3" 대각선 측정화면, LCD 패널/TFT active matrix system (GR-DVL318)
뷰파인더	: 0.24" 흑백 LCD 전자식 뷰파인더
스피커	: 모노럴
디지털 비디오 카메라	
포맷	: DV 포맷 (SD 모드)
시그널 포맷	: NTSC 표준
녹화/재생 포맷	: 비디오: 디지털 콤포넌트 녹화 오디오: PCM 디지털 녹화, 32 kHz 4 채널 (12-bit), 48 kHz 2 채널 (16-bit)
카세트	: Mini DV 카세트
테이프 속도	: SP: 18.8 mm/s LP: 12.5 mm/s
최대 녹화 시간 (80분용 카세트 사용시)	: SP: 80 분 LP: 120 분

디지털 스틸 카메라 (GR-DVL817 에 한함)

저장 매체	: SD 메모리 카드/MultiMedia 카드
압축저장 방식	: JPEG (compatible)
파일 크기	: VGA (640 x 480 픽셀)
화질	: 2 모드 (FINE/STANDARD)
[8 MB]의 메모리 카드에 저장가능한 이미지 수량 (GR-DVL817 에 한함)	
FINE	: 100
STANDARD	: 200
[16 MB]의 메모리 카드일 경우 (옵션)	
FINE	: 200
STANDARD	: 400
[32 MB]의 메모리 카드일 경우 (옵션)	
FINE	: 400
STANDARD	: 800
[64 MB]의 메모리 카드일 경우 (옵션)	
FINE	: 800
STANDARD	: 1600

연결기기

S-VIDEO	
출력	: Y: 1 V (p-p), 75 Ω , 아날로그 C: 0.29 V (p-p), 75 Ω , 아날로그
AV	
VIDEO 출력	: 1 V (p-p), 75 Ω , 아날로그
AUDIO 출력	: 300mV (rms), 1 k Ω , 아날로그, 스테레오
DV	
출력	: 4-pin, IEEE 1394 compliant
입력	: 4-pin, IEEE 1394 compliant
USB (GR-DVL 817 에 한함)	: 5-pin
PC (DIGITAL PHOTO) (GR-DVL318 에 한함)	: \varnothing 2.5 mm, 3-pole
EDIT (GR-DVL81 7 에 한함)	: \varnothing 3.5 mm, 2-pole
JLIP (GR-DVL31 8 에 한함)	: \varnothing 3.5 mm, 4-pole

AC 전원 어댑터 AP-V10KR

전원	: AC 110 V to 220 V~, 60 Hz
출력	: DC 11 V \equiv , 1 A
크기 (W x H x D)	: 59 mm x 31 mm x 84 mm (2-3/8" x 1-1/4" x 3-5/16")
무게	: 약 140g (전원코드 불포함)

예시된 제품사양은 별도로 표시하지 않은한 SP모드일 경우입니다. E & O.E. 디자인과 제품 사양은 사전 통보없이 변경될 수 있습니다.

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The following table indicate main different points between models GR-DVL815U, GR-DVL813KR and GR-DVL817KR.

ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
VIEW FINDER		COLOR	←	B/W
LCD MONITOR		3"	←	3.5"
AC ADAPTER		AP-V10U	AP-V10KR	←

The following table indicate different parts number between models GR-DVL815U, GR-DVL813KR and GR-DVL817KR.

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

REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
1	PACKING CASE		LY32095-006A	←	LY32095-005A
2	CUSHION		LY32096-001A	*LY32345-001A	*←
8	Q.CARD(JCA)		YU10350	—	—
9	WARRANTY INF.		BT-51005-4	—	—
10	REGIST.CARD		BT-51020-2	—	—
11	CD ROM		LY32210-003A	*LY32210-003B	*←
△ 12	AC ADAPTER		LY20739-001A	LY20688-010A	←
15	CORE FILTER		QQR0918-002	*—	*—
17	REMOTE CONTROL UNIT		LY20543-002A	LY20750-001A	LY20543-002A
19	LENS CAP		LY42182-001A	—	—
20	POLY BAG		QPGA017-03005	*QPA01703005	*←
22	CORE FILTER		QQR0918-002	*—	*—
24	CORE FILTER		QQR0491-002	*—	*—
26	WARRANTY CARD		—	BT-56010-1	←
△ 27	POWER CORD		—	QMPS130-190-JC	←
28	CORE FILTER		—	QQR0490-002	←
29	MEMORY CARD		QAM0321-002	QAM0262-002	←

FINAL ASSEMBLY <M2>

REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
101	LOWER CASE ASSY		LY20706-003B	*LY20706-003C	*←
101C	COVER(JACK)		LY32099-001B	*LY32099-001C	*←
102	ARM ASSY		LY20697-001A	*LY20697-001D	*←
104	CASSETTE COVER ASSY		LY20704-001A	*LY20704-001B	*←
107	COVER(AJUST)		LY32092-011A	LY32092-043A	LY32092-006A
108	SPACER(A)		—	*LY30029-0D8A	*←
110	COVER(ZOOM)ASSY		LY32093-001A	*LY32093-001B	*←
115	UPPER CASE ASSY		LY20717-002B	*LY20717-002C	*←
△ 130	FRONT COVER ASSY		LY20711-001A	*LY20711-001B	*←
130A	HOOD		LY32111-001A	*LY32111-001B	*←
139	CAP(HOOD)ASSY		—	LY43360-002A	←
139A	STRING		—	LY42190-001A	←
143	SPECIAL SCREW		LY30018-084A,(X2)	*LY30018-084A,(X1)	*←
146	SPECIAL SCREW		LY30018-084A,(X2)	*LY30018-084A,(X3)	*←
151	SPECIAL SCREW		—	*LY30018-023A	*←
158	SPECIAL SCREW,X2		LY30018-090A	*LY30018-0D6A	*←
160	SPECIAL SCREW		LY30018-006B	*LY30018-047A	*←
196	BKT(OP)ASSY		LY42846-001A	*LY42846-001C	*←
200	PLATE		—	*LY43092-001A	*←

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

ELECTRONIC VIEWFINDER ASSEMBLY <M4>

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
300	VF ASSY		LY20712-001A	LY20712-004A	LY20744-004A
301	EYE PIECE ASSY		PTY20712-001	←	PTY20744-001
306	LCD ASSY		PTY20712-041	←	PTY20744-041
307	FPC		QAL0287-001	←	QAL0288-001
311	SCREW		PTY20712-051	←	PTY20744-051
313	LABEL COLOR		LY40074-001A	←	—
314	LABEL(VF)		LY43041-002A	—	—

MONITOR ASSEMBLY <M5>

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
△ 500	MONITOR ASSY		LYH20246-006A	←	LYH20246-011A
△ 501	MONITOR COVER ASSY		LY20721-002B	*LY20721-002C	*←
501F	SHIELD SHEET		LY40559-001A	*—	*—
503	HOLDER		LY20567-001A	←	LY20568-001A
508	BACK LIGHT		QLL0094-001	←	QLL0081-001
509	LCD MODULE		QLD0118-001	←	QLD0096-002
516	HOLDER(3LCD)		LY20566-001B	←	—
517	SPACER(A)		—	—	LY30029-0A5A
518	SPACER(A)		—	—	LY30029-0Q6A

MAIN BOARD ASSEMBLY <01>

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
PW	MAIN BOARD ASSY		YB10317B-03	YB10317F-05	←
IC1001	IC		UPD703039F1-A02	*UPD703039F1-A04	*←
IC1401	CSP IC ASSY		YQ44881A	*YQ44882A	*←
IC8003	IC(MICRO C ROM)		MBV400TC90PTA09	*MBV400TC90PTA13	*←
IC8401	IC		ML60851CLB	*YQ44911A	*←
R1413	MG RESISTOR		—	*NRSA6AJ-331W	*←
R6014	MG RESISTOR		—	*NRSA63J-0R0X	*←
R8061	MG RESISTOR		—	*NRSA6AJ-473W	*←
C1041	CAPACITOR		—	NCFA1AZ-104W	←
C6130	CAPACITOR		—	NCBA1AK-104W	←
C6134	CAPACITOR		—	NCBA1AK-104W	←
X1001	C OSCILLATOR		NAX0424-001X	*NAX0474-001X	*←

MONITOR BOARD ASSEMBLY <02>

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
PW1	MONITOR BOARD ASSY		YB10324D1-03	*YB10326D	YB10326G
IC7602	IC		BA15532F	*BA4558F	*←
Q7101	TRANSISTOR		—	—	2SA1774/QR/-X
R7101	MG RESISTOR		—	—	NRSA63J-562X
R7102	MG RESISTOR		—	—	NRSA63J-562X
R7103	MG RESISTOR		—	—	NRSA63J-103X
R7104	MG RESISTOR		—	*NRSA63J-0R0X	*←
R7110	MG RESISTOR		—	—	NRSA63J-0R0X
R7111	MG RESISTOR		—	—	NRSA63J-0R0X
R7112	MG RESISTOR		—	—	NRSA63J-0R0X
R7113	MG RESISTOR		—	—	NRSA63J-0R0X
R7114	MG RESISTOR		—	—	NRSA63J-0R0X
R7115	MG RESISTOR		—	—	NRSA63J-0R0X
R7604	MG RESISTOR		—	*NRSA63J-0R0X	—
R7605	MG RESISTOR		—	*NRSA63J-0R0X	—
R7606	MG RESISTOR		—	*NRSA63J-0R0X	—
R7626	CMF RESISTOR		NRVA63D-183X	←	—
R7627	CMF RESISTOR		NRVA63D-334X	←	—
R7640	MG RESISTOR		NRSA63J-0R0X	←	—
R7641	MG RESISTOR		NRSA63J-0R0X	←	—
R7642	MG RESISTOR		NRSA63J-0R0X	←	—
R7643	MG RESISTOR		NRSA63J-0R0X	←	—
R7644	MG RESISTOR		NRSA63J-0R0X	←	—

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

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
R7645	MG RESISTOR		NRSA63J-0R0X	←	—
R7646	MG RESISTOR		NRSA63J-0R0X	←	—
C7103	T CAPACITOR		—	*NBE20JM-475X	*←
C7607	T CAPACITOR		NBP41CM-106X	*NBP41DM-106X	*←
C7616	CAPACITOR		NCB31HK-102X	*NCB31EK-103X	*←
C7618	CAPACITOR		NCB10JK-106X	*NCB11CK-225X	*←
C7619	CAPACITOR		NCB10JK-106X	*NCB11CK-225X	*←
C7634	CAPACITOR		NCB10JK-106X	*NCB11CK-225X	*←
C7638	CAPACITOR		NCB21AK-225X	←	—
C7639	T CAPACITOR		NBE21AM-106X	←	—
C7640	CAPACITOR		—	*NCB31EK-103X	*←
CN766	SD CARD CONNECTOR		NNZ0052-002X	*NNZ0058-001X	*←
OT2	SHIELD SHEET		—	—	LY43119-001A

LCD BL BOARD ASSEMBLY <03>

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
PW2	LCD BL BOARD ASSY		YB10324A2-02	*YB10325A	*←
Q7501	POW TRANSISTOR/TRANSISTOR		2SC3647/ST/-X	*2SD1664/QR/-W	*←
Q7502	POW TRANSISTOR/TRANSISTOR		2SC3647/ST/-X	*2SD1664/QR/-W	*←
R7511	MG RESISTOR		—	*NRSA63J-0R0X	*←
C7503	MPPS CAPACITOR/CAPACITOR		NFV41HJ-223X	*NCB31EK-223X	*←
C7505	T CAPACITOR		NBE20JM-226X	*NBE20JM-106X	*←

JACK BOARD ASSEMBLY <06>

△ REF. No.	ITEM	MODEL	GR-DVL815U	GR-DVL813KR	GR-DVL817KR
PW1	JACK BOARD ASSY		YB10314B1-01	*YB10314B1-03	*←
HD1	HOLDER(J.PWB)		LY32086-001A	*LY32086-001B	*←

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



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VIDEO DIVISION

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