

PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

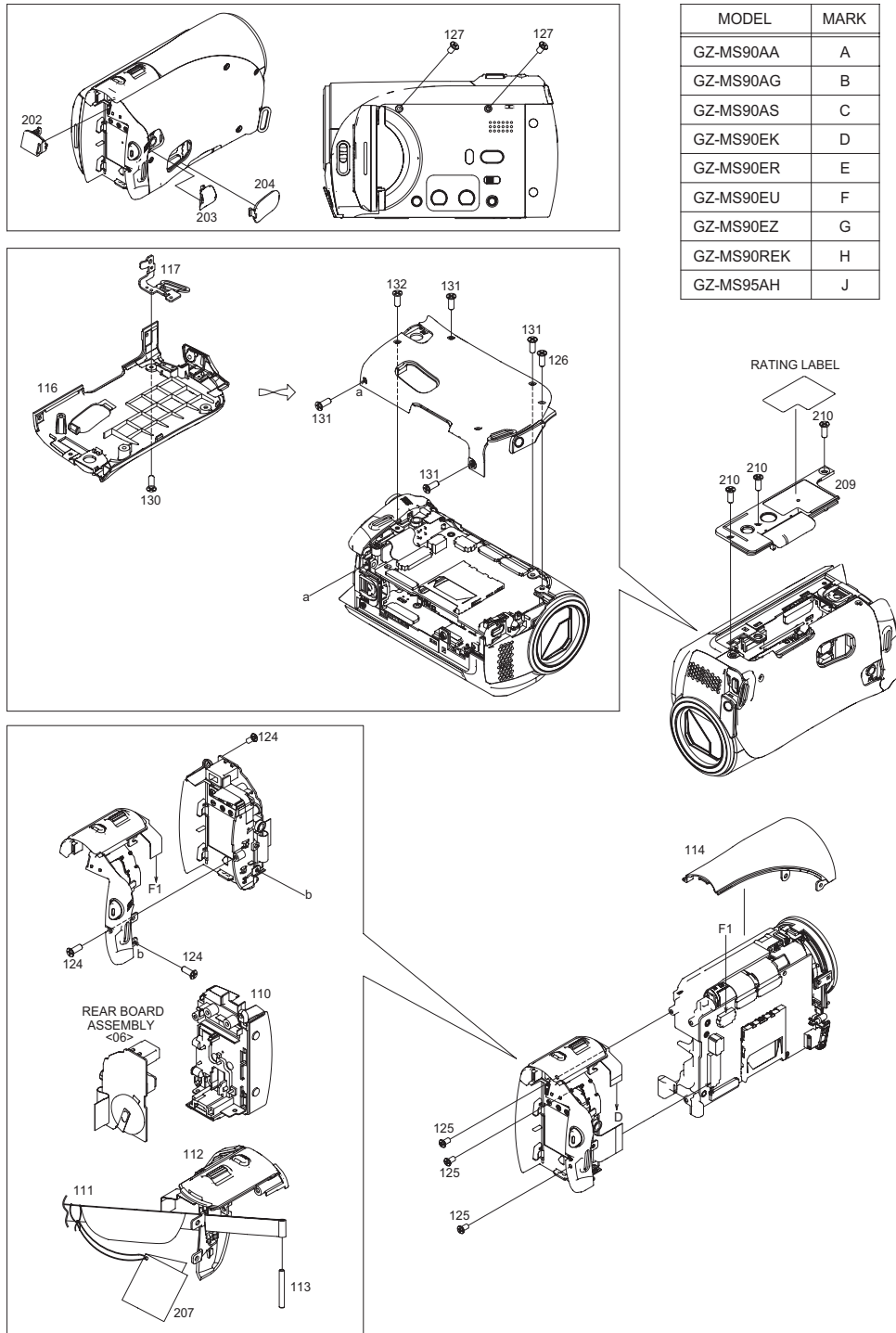
BEWARE OF BOGUS PARTS

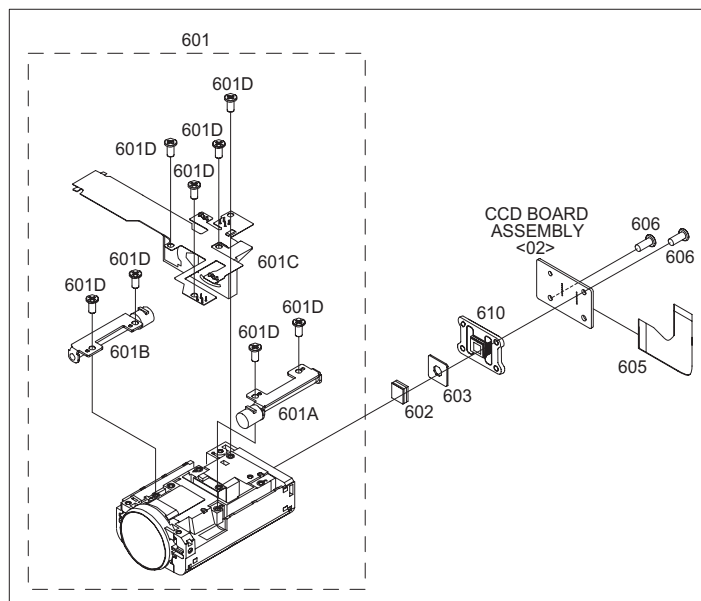
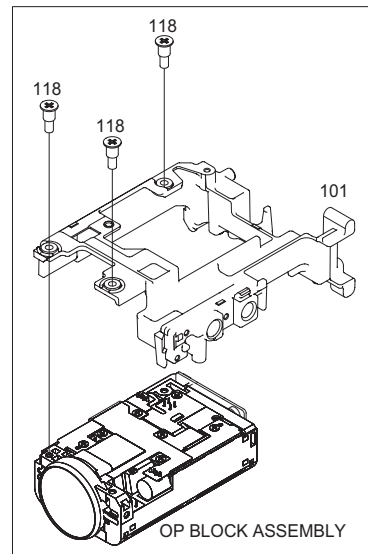
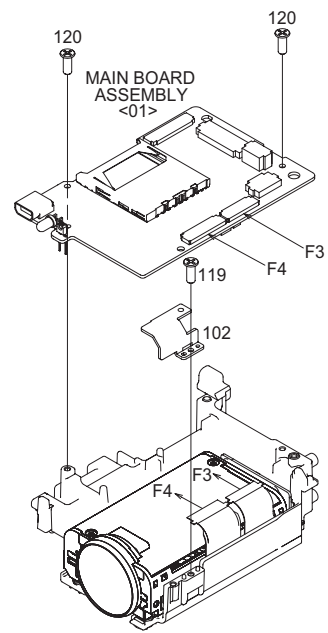
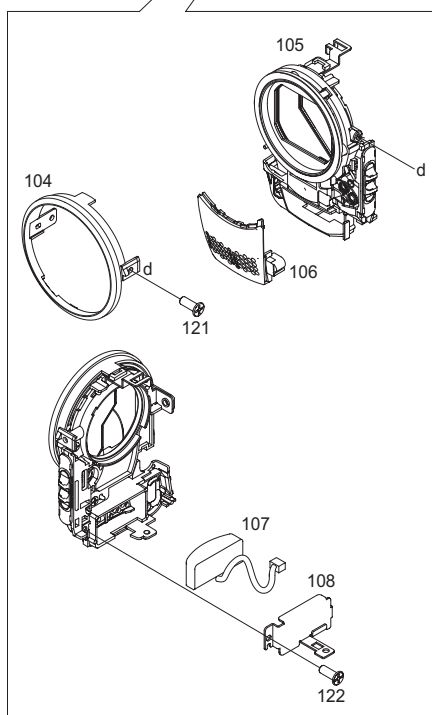
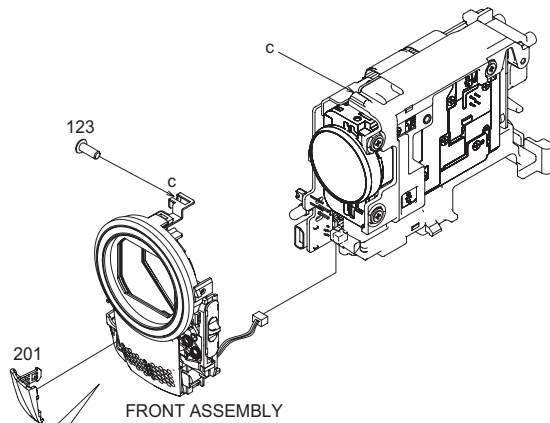
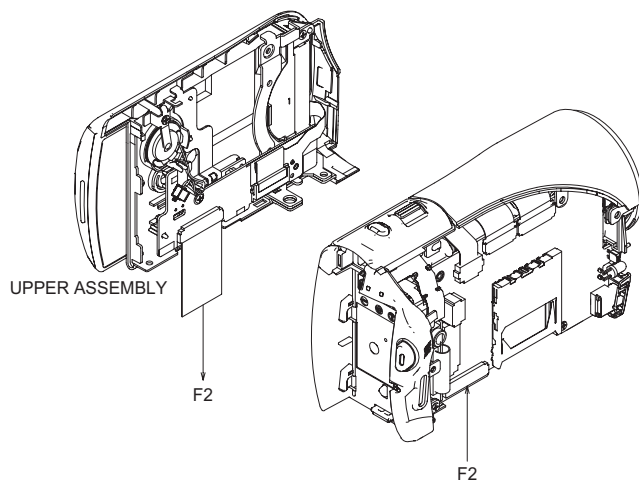
Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

1. EXPLODED VIEW

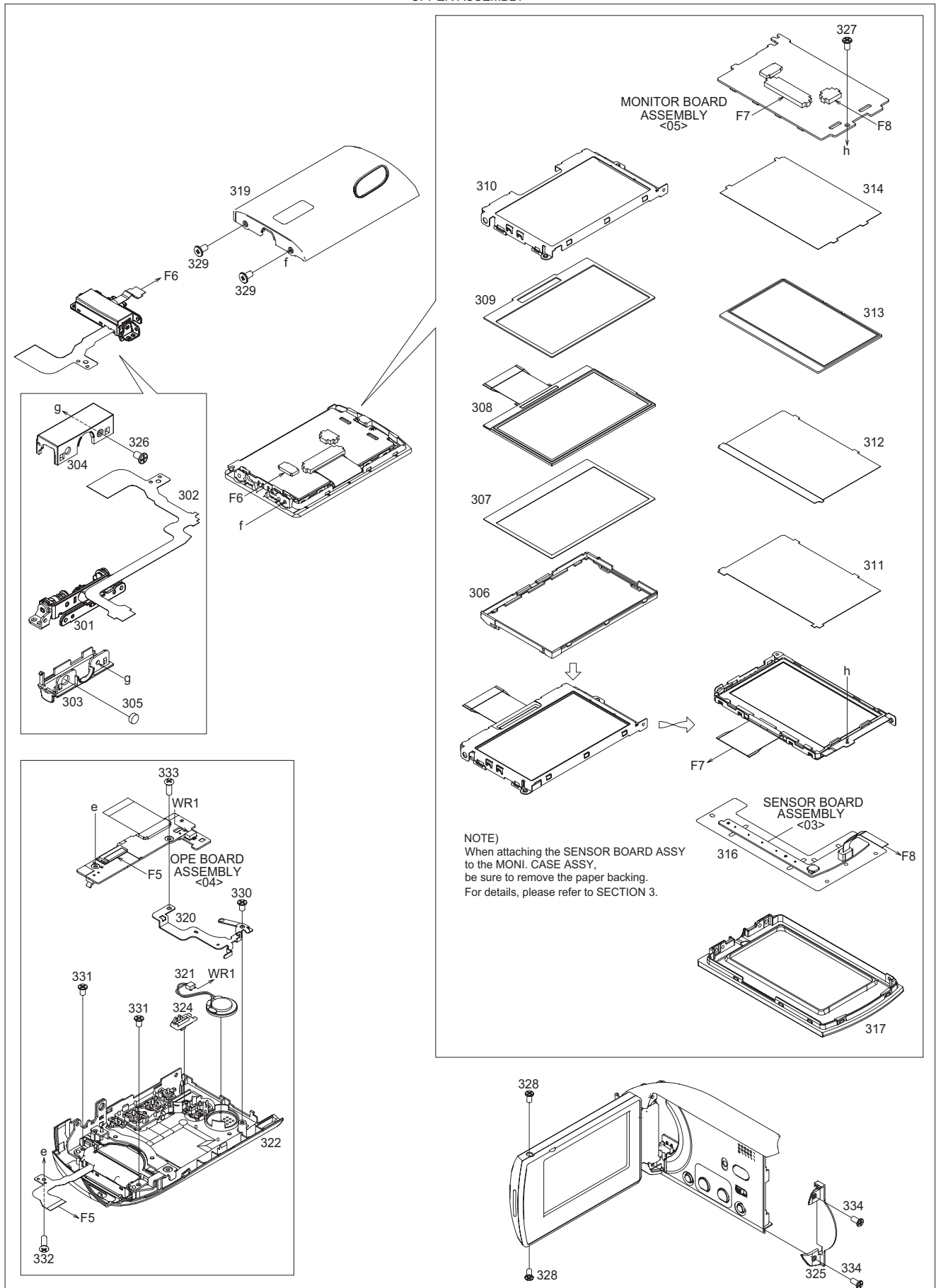
1.1 FINAL ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.

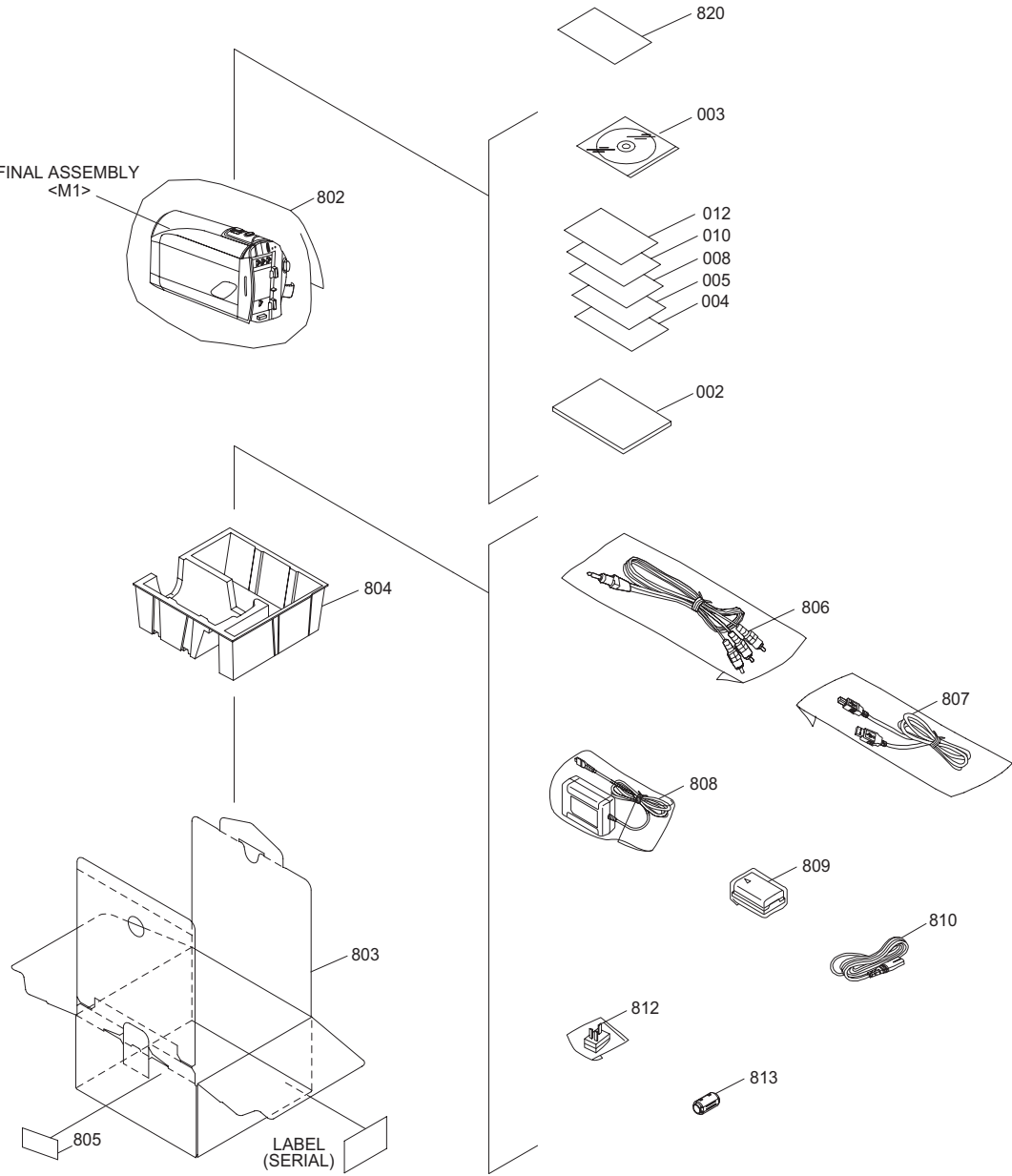




UPPER ASSEMBLY



1.5 PACKING AND ACCESSORY ASSEMBLY <M5>



MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

2. PARTS LIST

FINAL ASSEMBLY <M1>

△ Symbol No.	Part No.	Part Name	Description	Local
101	LY36450-001D	FRAME ASSY		
102	LY36458-001A	LOWER LINK		
104	LY36465-001A	COVER(HOOD)		
105	LY36462-005A	F.COVER ASSY	ABCD,EF,GJ	
105	LY36462-006A	F.COVER ASSY	H	
106	LY21897-001B	COVER MIC		
107	LY36139-001A	MIC		
108	LY36089-001A	PLATE(MIC)		
110	LY36451-002A	REAR COVER ASSY		
111	LY21757-005A	GRIP BELT		
112	LY21892-004A	ZOOM UNIT	ABCD,EF,GJ	
112	LY21892-002A	ZOOM UNIT	H	
113	LY36075-001A	SHAFT(G.B)		
114	LY21893-004A	TOP COVER	ABCD,EF,GJ	
114	LY21893-005A	TOP COVER	H	
116	LY36459-004A	LOWER CASE ASSY	ABCD,EF,GJ	
116	LY36459-005A	LOWER CASE ASSY	H	
117	LY36516-001B	BKT (G.BELT)		
118	LY30032-021A	SPECIAL SCREW	OP-FRM(x3)	
119	LY30031-0D5A	SPECIAL SCREW	LLINK-FRM	
120	LY30031-0D5A	SPECIAL SCREW	MAINP-FRM(x2)	
121	LY30031-003A	SPECIAL SCREW	HOOD-C.BAR	
122	LY30031-003A	SPECIAL SCREW	PLTMC-FRNT	
123	LY30031-0D5A	SPECIAL SCREW	BKTFNT-FRM	
124	LY30031-0L8B	SPECIAL SCREW	REAR-ZOOM(x3)	
125	LY30031-0D5A	SPECIAL SCREW	REAR-FRAME(x3)	
126	LY30031-0D5A	SPECIAL SCREW	TOP-BKTFNT	
127	LY30031-0H5A	SPECIAL SCREW	UPPER-FRM(x2)	
130	LY30031-0H5A	SPECIAL SCREW	LWR-BGBELT	
131	LY30031-0D5A	SPECIAL SCREW	LOWER-FRM(x4)	
132	LY30031-0L8B	SPECIAL SCREW	LOWER-REAR	
201	LY36453-001C	COVER JACK(FR)	ABCD,EF,GJ	
201	LY36453-002A	COVER JACK(FR)	H	
202	LY36454-002A	COVER JACK(DC)		
203	LY36455-002A	COVER JACK(AV)		
204	LY36479-004A	COVER(JIG)	ABCD,EF,GJ	
204	LY36479-002A	COVER(JIG)	H	
207	LY36672-005A	TAG ASSY(GRAY)	ABCD,FG,HJ	
207	LY36672-007A	TAG ASSY(GRAY)	E	
209	LY36456-002A	B.CASE ASSY		
210	LY30031-0D5A	SPECIAL SCREW	BOTTOM-FRM(x3)	
301	LY21741-001D	HINGE UNIT		
302	QAL1037-001	FPC		
303	LY21743-001A	HINGE COVER(L)		
304	LY36446-004A	H.COVER(U)	ABCD,EF,GJ	
304	LY36446-002A	H.COVER(U)	H	
305	LY45427-001A	P.C.MAGNET		
306	LY21736-001A	LCD CASE		
307	LY36050-001A	SPACER(LCD)		
308	QLD0486-002	LCD MODULE		
309	LY35476-001A	SPACER(LCD)		
310	LY21971-001A	LCD BKT(2)		
311	LY35478-001A	SHEET(BEF)1		
312	LY35480-001A	SHEET(M/DIFF)		
313	LY35482-001A	LIGHT GUIDE		
314	LY35481-001A	SHEET(M.REF)		
316	LY36233-001D	D FACE TAPE		
317	LY36114-001E	MON.CASE ASSY		
319	LY36443-011A	M.COVER ASSY	ABCD,EF,GJ	
319	LY36443-013A	M.COVER ASSY	H	
320	LY36478-001A	BKT(SPK)		
321	QAS0543-001	SPEAKER		
322	LY36447-008A	U.CASE ASSY	ABCD,EF,GJ	
322	LY36447-009A	U.CASE ASSY	H	
324	LY36468-001A	KNOB SLIDE		
325	LY36445-004A	COVER UPPER	ABCD,EF,GJ	
325	LY36445-005A	COVER UPPER	H	
326	LY30031-0E3A	SPECIAL SCREW	H.CO.V,U-L	
327	LY30031-0E3A	SPECIAL SCREW	MPWB-LCDBK	
328	LY30031-0P2A	SPECIAL SCREW	MCOV-LCDBK(x2)	
329	LY30031-079A	SPECIAL SCREW	MCOV-HINGE(x2)	
330	LY30031-0L8B	SPECIAL SCREW	SPBKT-UPPE	
331	QYSPSGT2050ZA	TAP SCREW	HING-UPPER M2 x 5mm(x2)	
332	LY30031-0L8B	SPECIAL SCREW	FPC-UPPER	

△ Symbol No.	Part No.	Part Name	Description	Local
333	LY30031-0L8B	SPECIAL SCREW	OPWB-UPPER	
334	LY30031-0E3A	SPECIAL SCREW	CVR-HINGE(x2)	
601	LY36126-001C	OP BLOCK ASSY		
601A	PTY36126-101	MOTOR UNIT	FOCUS	
601B	PTY36126-101	MOTOR UNIT	ZOOM	
601C	PTY36126-106	AUTO IRIS UNIT		
601D	PTY36126-530	SCREW	(x8)	
602	LY45275-001A	OPTICAL LPF		
603	LY45175-001A	SHEET		
605	QAL1113-001	FPC	CCD FPC	
606	LY30031-0J7A	SPECIAL SCREW	(x2)	
610	LY45541-002A	CCD BASE ASSY		

PACKING AND ACCESSORY ASSEMBLY <M5>

△ Symbol No.	Part No.	Part Name	Description	Local
△ 002	LYT2051-001B-M	INST BOOK	(ENGLISH)	A
△ 002	LYT2051-002B-M	INST BOOK	(ENGLISH/SIMPLIFIED CHINESE/ARABIC)	B
△ 002	LYT2051-003B-M	INST BOOK	(ENGLISH/RUSSIAN/TURKISH/FRENCH)	C
△ 002	LYT2051-004B-M	INST BOOK	(ARABIC/PERSIAN)	C
△ 002	LYT2049-001B-M	INST BOOK	(ENGLISH)	D,H
△ 002	LYT2050-001B-M	INST BOOK	(RUSSIAN/UKRAINIAN)	E
△ 002	LYT2049-002B-M	INST BOOK	(GERMAN/DUTCH/FRENCH)	F
△ 002	LYT2049-003B-M	INST BOOK	(ITALIAN/SPANISH/PORTUGUESE)	F
△ 002	LYT2049-004B-M	INST BOOK	(DANISH/FINNISH/SWEDISH/NORWEGIAN)	G
△ 002	LYT2049-005B-M	INST BOOK	(CZECH/HUNGARIAN/PORTUGUESE)	G
△ 002	LYT2053-001B-M	INST BOOK	(ENGLISH/SIMPLIFIED CHINESE)	J
003	LY35273-060A-S	CD ROM ASSY		
004	LY36556-008A	SHEET ACC.GUIDE		A,B,C,J
004	LY36556-007A	SHEET ACC.GUIDE		D,E,F,G,H
005	LY35208-001A	SHEET(E-SHOP)		D,H
008	-----	WARRANTY CARD	BT-56020-1	A
010	YU30878	REGISTRATION CARD		D,H
012	LYT0194-001B	Q.CARD		D,H
802	LY30023-024A	POLY BAG		
803	LY36552-014A	PACKING CASE		AB,C,D,E,F,G
803	LY36552-016A	PACKING CASE		H
803	LY36552-017A	PACKING CASE		J
804	LY36555-001A	CUSHION		
805	-----	LABEL		
806	QAM0509-001	A/V CABLE		A,B,C,J
806	QAM0510-001	A/V CABLE		D,E,F,G,H
807	QAM0719-001	USB CABLE		
△ 808	QAL1153-001	AC P ADAPTOR		A,D
△ 808	LY21104-001F	AC ADAPTER		B,H,J
△ 808	LY21527-001A	AC ADAPTER		C,E,F,G
△ 809	LY35320-002C	BATTERY PACK	BN-VF808U	
△ 810	QMPH040-190-JR	POWER CORD	AS/NZS 1.9m BLACK	A
△ 810	QMPL270-190-JR	POWER CORD	CEE 1.9m BLACK	B,C,J
△ 810	QMPP210-190-JR	POWER CORD(AST)	BS 1.9m BLACK	D,H
△ 812	QAM0001-001	CONVERSION PLUG		J
813	QQR0491-002	FERRITE CORE		AB,C,D,F,G,H
820	-----	WARRANTY CARD	BT-54038-1CAM	D,E,F,G,H

MAIN BOARD ASSEMBLY <01>

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10144-03D	MAIN BOARD ASSY		A,B,C,J
PW1	LYA10144-04D	MAIN BOARD ASSY		D,E,F,G,H
IC1001	MN103SD0QFR	IC(MICRO C ROM)	MP	
IC1001	or MN103SFD0RFR	IC(MICRO C ROM)	FLASH(AP)	
IC1004	NJU7108F3-X	IC		
IC1005	AK6512CAM-X	IC		
IC1006	S-35190A-G-X	IC		
IC1007	IC-PST8223U-W	IC		
IC1007	or S-80823CNNB-G-W	IC		
IC1009	YCBCJVSNS8031-X	IC(MICRO C ROM)		
IC1009	or R5G05001N302N-X	IC(MICRO C ROM)		

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

△ Symbol No. Part No. Part Name Description Local

IC2201 AK4666VQ IC
IC2201 or AK4664VQ IC
IC3001 JCY0224-2 IC
IC3002 MR27T6402L31NLY IC(MICRO C ROM)
IC3003 K4M51323PE-HG75 IC(DIGITAL)
IC3006 R1114N311B-X IC
IC3702 BH76806FVM-W IC
IC4201 R2J45021ABG-X IC
IC4901 AN41904A-X IC
IC4903 S-1112B29MC-W IC
IC6001 FA7736AF IC
IC6004 S-1112B28MC-W IC
IC8301 JCY0225 IC
IC8303 S-1112B18MC-W IC
IC8304 R1114N311B-X IC

Q171 DTC143XE-X DIGI TRANSISTOR
Q171 or UN921FJ-X DIGI TRANSISTOR
Q171 or RT1N432U-X DIGI TRANSISTOR
Q171 or KRC419E-X DIGI TRANSISTOR
Q1002 DTC143XE-X DIGI TRANSISTOR
Q1002 or UN921FJ-X DIGI TRANSISTOR
Q1002 or RT1N432U-X DIGI TRANSISTOR
Q1002 or KRC419E-X DIGI TRANSISTOR
Q1003 DTC143XE-X DIGI TRANSISTOR
Q1003 or UN921FJ-X DIGI TRANSISTOR
Q1003 or RT1N432U-X DIGI TRANSISTOR
Q1003 or KRC419E-X DIGI TRANSISTOR
Q2401 2SC4617/RS/-X TRANSISTOR
Q2401 or 2SC5383/F/-X TRANSISTOR
Q2401 or 2SD2216J/RS/-X TRANSISTOR
Q2403 2SC4617/RS/-X TRANSISTOR
Q2403 or 2SC5383/F/-X TRANSISTOR
Q2403 or 2SD2216J/RS/-X TRANSISTOR
Q2701 UMX18N-W PAIR TRANSISTOR
Q3001 3LN01SS-X MOS FET
Q4901 ST305R4NV PHOTO TRANSISTOR
Q6506 2SA1774/RS/-X TRANSISTOR
Q6506 or 2SB1462J/RS/-X TRANSISTOR
Q6506 or 2SA1989/RS/-X TRANSISTOR
Q6701 KMB3D0P30SA-X MOS FET
Q6702 KMB3D0P30SA-X MOS FET
Q6703 KMB3D0P30SA-X MOS FET
Q6901 2SC4617/RS/-X TRANSISTOR
Q6901 or 2SC5383/F/-X TRANSISTOR
Q6901 or 2SD2216J/RS/-X TRANSISTOR
Q7001 PUMX1-W PAIR TRANSISTOR
Q7001 or XP4501-W TRANSISTOR
Q7001 or KTC801U/G/-X PAIR TRANSISTOR
Q7001 or RT3CLLM/EF/-X TRANSISTOR
Q7001 or UMX1N-W PAIR TRANSISTOR
Q7002 PUMX1-W PAIR TRANSISTOR
Q7002 or XP4501-W TRANSISTOR
Q7002 or KTC801U/G/-X PAIR TRANSISTOR
Q7002 or RT3CLLM/EF/-X TRANSISTOR
Q7002 or UMX1N-W PAIR TRANSISTOR
Q7003 PUMX1-W PAIR TRANSISTOR
Q7003 or XP4501-W TRANSISTOR
Q7003 or KTC801U/G/-X PAIR TRANSISTOR
Q7003 or RT3CLLM/EF/-X TRANSISTOR
Q7003 or UMX1N-W PAIR TRANSISTOR
Q8303 XP4312-W DIGI TRANSISTOR
Q8303 or UMD2N-W DIGI TRANSISTOR

D181 EMZ6.8N-X Z DIODE
D2701 MA133-X SI DIODE
D4201 1SS355-X SI DIODE
D4201 or MA111-X SI DIODE
D4201 or 1SS352-X SI DIODE
D4201 or SDS511-X SI DIODE
D4201 or 1SS355W-X DIODE
D6101 KDR412-X SB DIODE
D6101 or RB551V-30-X SB DIODE
D6301 MA22D23-X SB DIODE
D6401 KDR412-X SB DIODE
D6401 or RB551V-30-X SB DIODE
D6501 1SS355-X SI DIODE

△ Symbol No. Part No. Part Name Description Local

D6501 or MA111-X SI DIODE
D6501 or 1SS352-X SI DIODE
D6501 or SDS511-X SI DIODE
D6501 or 1SS355W-X DIODE
D6502 1SS355-X SI DIODE
D6502 or MA111-X SI DIODE
D6502 or 1SS352-X SI DIODE
D6502 or SDS511-X SI DIODE
D6502 or 1SS355W-X DIODE
D6503 1SS355-X SI DIODE
D6503 or MA111-X SI DIODE
D6503 or 1SS352-X SI DIODE
D6503 or SDS511-X SI DIODE
D6503 or 1SS355W-X DIODE
D6504 1SS355-X SI DIODE
D6504 or MA111-X SI DIODE
D6504 or 1SS352-X SI DIODE
D6504 or SDS511-X SI DIODE
D6504 or 1SS355W-X DIODE
D6505 UDZS8.2B-X Z DIODE
D6505 or MA8082/M/-X Z DIODE
D6701 MA22D23-X SB DIODE
D6702 MA22D23-X SB DIODE
D6901 KDR412-X SB DIODE
D6901 or RB551V-30-X SB DIODE
D8302 UDZS5.6B-X Z DIODE
D8302 or UDZW5.6B-X Z DIODE

C111 NCB31EK-104X C CAPACITOR 0.1uF 25V K
C141 NCB20JM-475X C CAPACITOR 4.7uF 6.3V M
C142 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1006 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1009 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1011 NCBA1CK-103W C CAPACITOR 0.01uF 16V K
C1014 NCB20JK-106X C CAPACITOR 10uF 6.3V K
C1015 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1016 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C1022 NCBA1CK-103W C CAPACITOR 0.01uF 16V K
C1027 NCBA1CK-103W C CAPACITOR 0.01uF 16V K
C1030 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1031 NCBA1CK-103W C CAPACITOR 0.01uF 16V K
C1032 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1033 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1035 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1036 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1037 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1038 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1039 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C1040 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C2202 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2203 NCBA1CK-103W C CAPACITOR 0.01uF 16V K
C2204 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2209 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2210 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2224 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C2230 NCBA1CK-103W C CAPACITOR 0.01uF 16V K
C2231 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C2232 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2401 NCJ20JK-106X-D C CAPACITOR 10uF 6.3V K
C2402 NCJ20JK-106X-D C CAPACITOR 10uF 6.3V K
C2403 NCJ20JK-106X-D C CAPACITOR 10uF 6.3V K
C2404 NCJ20JK-106X-D C CAPACITOR 10uF 6.3V K
C2405 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C2406 NCJ20JK-106X-D C CAPACITOR 10uF 6.3V K
C2603 NCBA1CK-223W C CAPACITOR 0.022uF 16V K
C2604 NCBA1CK-223W C CAPACITOR 0.022uF 16V K
C2605 NCBA1EK-472W C CAPACITOR 4700pF 25V K
C2606 NCBA1EK-472W C CAPACITOR 4700pF 25V K
C2611 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2612 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2613 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C2623 NDCA1HJ-100W C CAPACITOR 10pF 50V J
C2624 NDCA1HJ-100W C CAPACITOR 10pF 50V J
C2655 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C2656 NCBA1AK-104W C CAPACITOR 0.1uF 10V K
C3001 NCB31AK-105X C CAPACITOR 1uF 10V K
C3002 NCB30JK-105X C CAPACITOR 1uF 6.3V K
C3004 NCB20JM-475X C CAPACITOR 4.7uF 6.3V M

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C3005	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C4227	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3006	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C4228	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3007	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C4231	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C3008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4902	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C3009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4903	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C3010	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4905	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3011	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4907	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4908	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4909	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3014	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C4911	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C3018	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C4912	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3022	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C4913	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3023	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C4914	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C3024	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4915	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3025	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4916	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3026	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C4921	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C3028	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4922	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3029	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4932	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C3030	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4935	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C3031	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4941	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3032	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4942	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3033	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C4943	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3034	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6001	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3035	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6002	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3036	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C6003	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3037	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6005	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3038	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C6006	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3044	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6008	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C3045	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6101	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C3046	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C6102	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C3051	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6103	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3052	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6104	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3053	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C6301	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C3054	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6302	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C3055	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6303	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3059	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6304	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C3060	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6401	NCBA1HK-331W	C CAPACITOR	330pF 50V K	
C3061	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6402	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C3062	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6403	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3063	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6404	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3067	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C6501	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C3068	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6502	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C3072	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6503	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3073	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6504	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C3075	NDCA1HJ-101W	C CAPACITOR	100pF 50V J		C6505	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C3084	NCFA1AZ-474W	C CAPACITOR	0.47uF 10V Z		C6506	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C3099	NDCA1HJ-101W	C CAPACITOR	100pF 50V J		C6507	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C3201	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6510	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3202	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C6701	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C3203	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6702	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3204	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6704	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3205	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6705	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3708	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6706	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C3718	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6707	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C3719	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6708	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3720	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M		C6901	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4201	NCJ21CK-475X-D	C CAPACITOR	4.7uF 16V K		C6902	NCBA1HK-392W	C CAPACITOR	3900pF 50V K	
C4202	NCJ21CK-475X-D	C CAPACITOR	4.7uF 16V K		C6903	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4203	NCJ20JM-226X-A	C CAPACITOR	22uF 6.3V M		C6904	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C4204	NCB20JK-106X	C CAPACITOR	10uF 6.3V K		C6905	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4205	NCB20JK-106X	C CAPACITOR	10uF 6.3V K		C6906	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4206	NCB21EK-105X	C CAPACITOR	1uF 25V K		C7002	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C4208	NDCA1HJ-6R0W	C CAPACITOR	6pF 50V J		C7004	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C4209	NDCA1HJ-6R0W	C CAPACITOR	6pF 50V J		C8301	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4210	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8303	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4211	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C8306	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4212	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C8307	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8308	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8309	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8310	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8312	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4220	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8314	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4221	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8318	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4222	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8319	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C4223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8320	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C4224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8324	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4225	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8325	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4226	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C8336	NCB31AK-105X	C CAPACITOR	1uF 10V K	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

△ Symbol No.	Part No.	Part Name	Description	Local
C8337	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C8339	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C8340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C8341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R133	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R134	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J	
R135	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R136	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R141	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R142	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R143	NRSA6AJ-563W	MG RESISTOR	56k\$ 1/16W J	
R144	NRSA6AJ-563W	MG RESISTOR	56k\$ 1/16W J	
R145	NRSA6AJ-563W	MG RESISTOR	56k\$ 1/16W J	
R146	NRSA6AJ-563W	MG RESISTOR	56k\$ 1/16W J	
R147	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R148	NRSA6AJ-220W	MG RESISTOR	22\$ 1/16W J	
R149	NRSA6AJ-220W	MG RESISTOR	22\$ 1/16W J	
R150	NRSA6AJ-220W	MG RESISTOR	22\$ 1/16W J	
R151	NRSA6AJ-220W	MG RESISTOR	22\$ 1/16W J	
R171	NRSA6AJ-221W	MG RESISTOR	220\$ 1/16W J	
R181	NRSA6AJ-332W	MG RESISTOR	3.3k\$ 1/16W J	
R197	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R199	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1001	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1002	NRSA6AJ-331W	MG RESISTOR	330\$ 1/16W J	
R1003	NRSA6AJ-561W	MG RESISTOR	560\$ 1/16W J	
R1005	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1008	NRSA6AJ-183W	MG RESISTOR	18k\$ 1/16W J	
R1009	NRSA6AJ-183W	MG RESISTOR	18k\$ 1/16W J	
R1013	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R1015	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R1016	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1017	NRSA6AJ-393W	MG RESISTOR	39k\$ 1/16W J	
R1021	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R1022	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R1025	NRSA6AJ-393W	MG RESISTOR	39k\$ 1/16W J	
R1030	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R1031	NRSA6AJ-332W	MG RESISTOR	3.3k\$ 1/16W J	
R1032	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1033	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1037	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R1038	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R1040	NRSA6AJ-273W	MG RESISTOR	27k\$ 1/16W J	
R1042	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1048	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1049	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1052	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R1053	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1054	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1055	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1056	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1058	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1061	NRSA6AJ-821W	MG RESISTOR	820\$ 1/16W J	
R1062	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R1063	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R1067	NRSA6AJ-332W	MG RESISTOR	3.3k\$ 1/16W J	
R1070	NRSA6AJ-823W	MG RESISTOR	82k\$ 1/16W J	
R1071	NRSA6AJ-623W	MG RESISTOR	62k\$ 1/16W J	
R1073	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R1074	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1075	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1079	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1080	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1082	NRSA6AJ-105W	MG RESISTOR	1M\$ 1/16W J	
R1085	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1088	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1092	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R1097	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1098	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1100	NRSA6AJ-101W	MG RESISTOR	100\$ 1/16W J	
R1101	NRSA6AJ-101W	MG RESISTOR	100\$ 1/16W J	
R1104	NRSA6AJ-101W	MG RESISTOR	100\$ 1/16W J	
R1105	NRSA6AJ-101W	MG RESISTOR	100\$ 1/16W J	
R1109	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R1110	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1116	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R1117	NRSA6AJ-822W	MG RESISTOR	8.2k\$ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R1118	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R1121	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R1126	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R1132	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R2204	NRSA6AJ-223W	MG RESISTOR	22k\$ 1/16W J	
R2210	NRSA6AJ-563W	MG RESISTOR	56k\$ 1/16W J	
R2211	NRSA6AJ-563W	MG RESISTOR	56k\$ 1/16W J	
R2217	NRSA6AJ-100W	MG RESISTOR	10\$ 1/16W J	
R2218	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R2219	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R2220	NRSA6AJ-101W	MG RESISTOR	100\$ 1/16W J	
R2401	NRSA6AJ-472W	MG RESISTOR	4.7k\$ 1/16W J	
R2402	NRSA6AJ-472W	MG RESISTOR	4.7k\$ 1/16W J	
R2403	NRSA6AJ-183W	MG RESISTOR	18k\$ 1/16W J	
R2407	NRSA6AJ-100W	MG RESISTOR	10\$ 1/16W J	
R2601	NRSA6AJ-222W	MG RESISTOR	2.2k\$ 1/16W J	
R2602	NRSA6AJ-222W	MG RESISTOR	2.2k\$ 1/16W J	
R2607	NRSA6AJ-222W	MG RESISTOR	2.2k\$ 1/16W J	
R2608	NRSA6AJ-222W	MG RESISTOR	2.2k\$ 1/16W J	
R2609	NRSA6AJ-223W	MG RESISTOR	22k\$ 1/16W J	
R2610	NRSA6AJ-223W	MG RESISTOR	22k\$ 1/16W J	
R2701	NRSA6AJ-821W	MG RESISTOR	820\$ 1/16W J	
R2702	NRSA6AJ-821W	MG RESISTOR	820\$ 1/16W J	
R2703	NRSA6AJ-564W	MG RESISTOR	560k\$ 1/16W J	
R2704	NRSA6AJ-564W	MG RESISTOR	560k\$ 1/16W J	
R2705	NRSA6AJ-332W	MG RESISTOR	3.3k\$ 1/16W J	
R3001	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R3002	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R3003	NRSA6AJ-220W	MG RESISTOR	22\$ 1/16W J	
R3020	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R3033	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R3035	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R3043	NRSA6AJ-220W	MG RESISTOR	22\$ 1/16W J	
R3044	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R3046	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R3051	NRSA6AJ-100W	MG RESISTOR	10\$ 1/16W J	
R3057	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J D,E,F,G,H	
R3058	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J A,B,C,J	
R3060	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R3076	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R3080	NRSA6AJ-472W	MG RESISTOR	4.7k\$ 1/16W J	
R3092	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R3096	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R3097	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R3098	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R3103	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R3104	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R3105	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R3118	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R3125	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R3127	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J	
R3129	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R3130	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R3702	NRSA6AD-680W	MG RESISTOR	68\$ 1/16W D	
R3708	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R4201	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J	
R4205	NRSA6AJ-100W	MG RESISTOR	10\$ 1/16W J	
R4207	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R4208	NRSA6AJ-470W	MG RESISTOR	47\$ 1/16W J	
R4209	NRSA6AJ-433W	MG RESISTOR	43k\$ 1/16W J	
R4210	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J	
R4225	NRSA6AJ-330W	MG RESISTOR	33\$ 1/16W J	
R4901	NRSA6AJ-123W	MG RESISTOR	12k\$ 1/16W J	
R4903	NRSA6AJ-822W	MG RESISTOR	8.2k\$ 1/16W J	
R4904	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J	
R4905	NRSA6AJ-333W	MG RESISTOR	33k\$ 1/16W J	
R4906	NRSA6AJ-564W	MG RESISTOR	560k\$ 1/16W J	
R4907	NRSA6AJ-105W	MG RESISTOR	1M\$ 1/16W J	
R4911	NRSA6AJ-101W	MG RESISTOR	100\$ 1/16W J	
R4916	NRSA6AJ-154W	MG RESISTOR	150k\$ 1/16W J	
R4917	NRSA6AJ-474W	MG RESISTOR	470k\$ 1/16W J	
R4923	NRSA6AJ-122W	MG RESISTOR	1.2k\$ 1/16W J	
R4924	NRSA6AJ-123W	MG RESISTOR	12k\$ 1/16W J	
R4927	NRSA6AJ-564W	MG RESISTOR	560k\$ 1/16W J	
R4931	NRSA6AJ-331W	MG RESISTOR	330\$ 1/16W J	
R4932	NRSA6AJ-331W	MG RESISTOR	330\$ 1/16W J	
R4933	NRSA6AJ-393W	MG RESISTOR	39k\$ 1/16W J	
R4934	NRSA6AJ-683W	MG RESISTOR	68k\$ 1/16W J	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R4949	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J		R8356	NRSA6AJ-473W	MG RESISTOR	47k\$ 1/16W J	
R4950	NRSA6AJ-154W	MG RESISTOR	150k\$ 1/16W J		RA1001	NRZ0034-104W	NET RESISTOR	100k\$ 1/32W J x4	
R4951	NRSA6AJ-154W	MG RESISTOR	150k\$ 1/16W J		RA1002	NRZ0034-102W	NET RESISTOR	1k\$ 1/32W J x4	
R4953	NRSA6AJ-471W	MG RESISTOR	470\$ 1/16W J		RA1003	NRZ0034-102W	NET RESISTOR	1k\$ 1/32W J x4	
R4954	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J		L131	NQR0506-002X	EMI FILTER		
R4955	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J		L141	NQR0154-004X	FERRITE CORE		
R4959	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		L161	NQL38DK-100X	P COIL	10uH K	
R4961	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J		L1002	NQL38DK-100X	P COIL	10uH K	
R4962	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J		L2401	NQLC32M-100X	COIL	10uH M	
R4987	NRSA6AJ-121W	MG RESISTOR	120\$ 1/16W J		L2402	NQLC32M-100X	COIL	10uH M	
R4988	NRSA6AJ-121W	MG RESISTOR	120\$ 1/16W J		L2601	NQR0269-013X	FERRITE BEADS		
R6003	NRSA6AD-303W	MG RESISTOR	30k\$ 1/16W D		L2602	NQR0269-013X	FERRITE BEADS		
R6004	NRSA6AD-473W	MG RESISTOR	47k\$ 1/16W D		L2603	NQR0269-013X	FERRITE BEADS		
R6008	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		L3001	NQR0154-004X	FERRITE CORE		
R6009	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J		L3003	NQR0154-004X	FERRITE CORE		
R6011	NRSA6AD-823W	MG RESISTOR	82k\$ 1/16W D		L3004	NQR0154-004X	FERRITE CORE		
R6012	NRSA6AD-333W	MG RESISTOR	33k\$ 1/16W D		L3005	NQR0154-004X	FERRITE CORE		
R6013	NRSA6AJ-103W	MG RESISTOR	10k\$ 1/16W J		L3007	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J	
R6014	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J		L4201	NQL38DK-100X	P COIL	10uH K	
R6021	NRSA6AD-154W	MG RESISTOR	150k\$ 1/16W D		L4202	NQL38DK-100X	P COIL	10uH K	
R6022	NRSA6AD-393W	MG RESISTOR	39k\$ 1/16W D		L4203	NQL38DK-220X	P COIL	22uH K	
R6101	NRSA6AJ-362W	MG RESISTOR	3.6k\$ 1/16W J		L4204	NQL38DK-220X	P COIL	22uH K	
R6102	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		L4205	NQL38DK-220X	P COIL	22uH K	
R6103	NRSA6AD-183W	MG RESISTOR	18k\$ 1/16W D		L4207	NQR0559-005X	FERRITE BEADS		
R6104	NRSA6AD-103W	MG RESISTOR	10k\$ 1/16W D		L4208	NQR0559-005X	FERRITE BEADS		
R6106	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J		L4209	NQR0559-005X	FERRITE BEADS		
R6107	NRSA6AD-301W	MG RESISTOR	300\$ 1/16W D		L4902	NQL38DK-100X	P COIL	10uH K	
R6301	NRSA6AJ-822W	MG RESISTOR	8.2k\$ 1/16W J		L4903	NQL38DK-100X	P COIL	10uH K	
R6302	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		L6101	NQL52EM-470X	COIL	47uH M	
R6303	NRSA6AD-752W	MG RESISTOR	7.5k\$ 1/16W D		L6301	NQL52EM-390X	COIL	39uH M	
R6304	NRSA6AD-473W	MG RESISTOR	47k\$ 1/16W D		L6401	NQL52EM-470X	COIL	47uH M	
R6401	NRSA6AJ-822W	MG RESISTOR	8.2k\$ 1/16W J		L6501	NQL52EM-221X	COIL	220uH M	
R6402	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		L6502	NQL38DK-100X	P COIL	10uH K	
R6403	NRSA6AD-183W	MG RESISTOR	18k\$ 1/16W D		L6701	NQL52EM-470X	COIL	47uH M	
R6404	NRSA6AD-203W	MG RESISTOR	20k\$ 1/16W D		L6901	NQL79GM-470X	COIL	47uH M	
R6405	NRSA6AD-124W	MG RESISTOR	120k\$ 1/16W D		L7001	NQL38DK-101X	P COIL	100uH K	
R6406	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		L8301	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J	
R6501	NRSA6AJ-272W	MG RESISTOR	2.7k\$ 1/16W J		L8302	NRSA02J-0R0X	MG RESISTOR	0\$ 1/10W J	
R6502	NRSA6AJ-682W	MG RESISTOR	6.8k\$ 1/16W J		L8303	NRSA02J-0R0X	MG RESISTOR	0\$ 1/10W J	
R6503	NRSA6AD-114W	MG RESISTOR	110k\$ 1/16W D		L8305	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J	
R6505	NRSA6AD-103W	MG RESISTOR	10k\$ 1/16W D		CN101	QGF0543F3-30X	CONNECTOR	OPE FFC/FPC (1-30)	
R6519	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J		CN103	QGF0534F2-30X	CONNECTOR	REAR FFC/FPC (1-30)	
R6522	NRSA6AJ-682W	MG RESISTOR	6.8k\$ 1/16W J		CN104	QGF0534F3-12X	CONNECTOR	ZOOM FFC/FPC (1-12)	
R6523	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J		CN105	QGF0543F3-20X	CONNECTOR	CCD FFC/FPC (1-20)	
R6524	NRSA6AJ-154W	MG RESISTOR	150k\$ 1/16W J		CN106	QGF0543F3-25X	CONNECTOR	OP FFC/FPC (1-25)	
R6528	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J		CN107	QGA1001F1-04X	CONNECTOR	MIC W-B (1-4)	
R6702	NRSA6AJ-561W	MG RESISTOR	560\$ 1/16W J		CN110	QGB0519J1-20X	CONNECTOR	JIG B-B (1-20)	
R6704	NRSA6AD-103W	MG RESISTOR	10k\$ 1/16W D		CN111	NNZ0156-001X	SD CARD CONNECTOR		
R6705	NRSA6AD-393W	MG RESISTOR	39k\$ 1/16W D		F6003	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J	
R6706	NRSA6AJ-822W	MG RESISTOR	8.2k\$ 1/16W J		J101	QNZ1000-001	USB CONNECTOR		
R6707	NRSA6AJ-0R0W	MG RESISTOR	0\$ 1/16W J		X1001	NAX0647-001X	C RESONATOR	20.000MHz	
R6708	NRSA6AD-153W	MG RESISTOR	15k\$ 1/16W D		X1002	NAX0941-001X	CRYSTAL	32.768KHz	
R6710	NRSA6AD-114W	MG RESISTOR	110k\$ 1/16W D		X4201	NAX0954-001X	CRYSTAL	36.000MHz	
R6711	NRSA6AJ-472W	MG RESISTOR	4.7k\$ 1/16W J		X8301	NAX0713-001X	CRYSTAL	24.000MHz	
R6712	NRSA6AJ-224W	MG RESISTOR	220k\$ 1/16W J						
R6714	NRSA6AJ-105W	MG RESISTOR	1M\$ 1/16W J						
R6715	NRSA6AJ-105W	MG RESISTOR	1M\$ 1/16W J						
R6716	NRV142F-R20X	CMF RESISTOR	0.2\$ 1/4W F						
R6901	NRSA6AJ-472W	MG RESISTOR	4.7k\$ 1/16W J						
R6902	NRSA6AJ-102W	MG RESISTOR	1k\$ 1/16W J						
R6904	NRSA6AJ-221W	MG RESISTOR	220\$ 1/16W J						
R6905	NRSA6AJ-221W	MG RESISTOR	220\$ 1/16W J						
R6906	NRSA6AJ-104W	MG RESISTOR	100k\$ 1/16W J						
R6907	NRSA6AJ-222W	MG RESISTOR	2.2k\$ 1/16W J						
R7001	NRSA6AD-393W	MG RESISTOR	39k\$ 1/16W D						
R7002	NRSA6AD-153W	MG RESISTOR	15k\$ 1/16W D						
R7003	NRSA6AD-123W	MG RESISTOR	12k\$ 1/16W D						
R7004	NRSA6AD-123W	MG RESISTOR	12k\$ 1/16W D						
R7005	NRSA6AD-123W	MG RESISTOR	12k\$ 1/16W D						
R7006	NRSA6AD-392W	MG RESISTOR	3.9k\$ 1/16W D						
R7007	NRSA6AD-392W	MG RESISTOR	3.9k\$ 1/16W D						
R7008	NRSA6AD-392W	MG RESISTOR	3.9k\$ 1/16W D						
R7009	NRSA6AJ-682W	MG RESISTOR	6.8k\$ 1/16W J						
R7010	NRSA6AJ-682W	MG RESISTOR	6.8k\$ 1/16W J						
R7011	NRSA6AJ-682W	MG RESISTOR	6.8k\$ 1/16W J						
R8342	NRSA6AD-622W	MG RESISTOR	6.2k\$ 1/16W D						
R8349	NRSA6AJ-330W	MG RESISTOR	33\$ 1/16W J						
R8350	NRSA6AJ-100W	MG RESISTOR	10\$ 1/16W J						

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

CCD BOARD ASSEMBLY <02>

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA20044-01A	CCD BOARD ASSY		
Q5001	2SC3931/CD/-X	TRANSISTOR		
Q5001	or 2SC4265JC07-X	TRANSISTOR		
C5001	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C5002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5007	NCB31EK-222X	C CAPACITOR	2200pF 25V K	
R5001	NRSA63J-362X	MG RESISTOR	3.6k\$ 1/16W J	
R5008	NRSA63D-220X	MG RESISTOR	22\$ 1/16W D	
R5009	NRSA63D-220X	MG RESISTOR	22\$ 1/16W D	
L5001	NQL315K-470X	COIL	47uH K	
L5002	NQL315K-470X	COIL	47uH K	
CN5001	QGF0543F3-20X	CONNECTOR	FFC/FPC (1-20)	

SENSOR BOARD ASSEMBLY <03>

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10145-01C1	SENSOR BOARD ASSY		
IC301	CP6812AM-X	IC		
D301	SMLA12BC7/MNP-X	LED		
D302	SMLA12BC7/MNP-X	LED		
D303	SMLA12BC7/MNP-X	LED		
D304	SMLA12BC7/MNP-X	LED		
C301	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C303	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	
C304	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
R301	NRSA63J-391X	MG RESISTOR	390\$ 1/16W J	
R302	NRSA63J-391X	MG RESISTOR	390\$ 1/16W J	
R303	NRSA63J-391X	MG RESISTOR	390\$ 1/16W J	
R304	NRSA63J-391X	MG RESISTOR	390\$ 1/16W J	
L301	NQR0599-003X	FERRITE BEADS		
L302	NQR0599-003X	FERRITE BEADS		
CN301	QGF0565C1-08W	CONNECTOR	FFC/FPC (1-8)	
WR1	QUQK05-0803AA-E	FFC WIRE	MON-SENSOR 8pin 3cm	

OPE BOARD ASSEMBLY <04>

△ Symbol No.	Part No.	Part Name	Description	Local
PW2	LYA10145-01C2	OPE BOARD ASSY		
R401	NRSA63J-332X	MG RESISTOR	3.3k\$ 1/16W J	
R402	NRSA63J-682X	MG RESISTOR	6.8k\$ 1/16W J	
CN401	QGF0543F3-30X	CONNECTOR	MAIN FFC/FPC (1-30)	
CN402	QGF0534F2-22X	CONNECTOR	MONI FPC FFC/FPC (1-22)	
CN403	QGA1001F1-02X	CONNECTOR	SPEAKER W-B (1-2)	
S401	NSW0294-001X	LEVER SWITCH	LCD_OPEN	
S402	NSW0198-001X	TACT SWITCH	MENU	
S403	NSW0198-001X	TACT SWITCH	REC/PB	
S404	NSW0198-001X	TACT SWITCH	AT/ML	
S405	NSW0198-001X	TACT SWITCH	EVENT	
S406	NSW0198-001X	TACT SWITCH	DVD DIRECT	
S407	NSW0099-001X	SLIDE SWITCH	VIDEO/STIL	
WR1	QUQK05-30X3AA-E	FFC WIRE	OPE-MAIN 30pin 3.5cm	

MONITOR BOARD ASSEMBLY <05>

△ Symbol No.	Part No.	Part Name	Description	Local
PW3	LYA10145-01C3	MONITOR BOARD ASSY		
IC7601	HGDSBN001A-X	IC		
IC7601	or HGDESN031A-X	IC		
IC7602	R1114N281B-X	IC		
Q7703	UMX1N-W	PAIR TRANSISTOR		
Q7703	or XP4501-W	TRANSISTOR		
Q7703	or KTC801U/G/-X	PAIR TRANSISTOR		
Q7703	or RT3CLLM/EF/-X	TRANSISTOR		
Q7703	or PUMX1-W	PAIR TRANSISTOR		
Q7704	UMX1N-W	PAIR TRANSISTOR		
Q7704	or XP4501-W	TRANSISTOR		
Q7704	or KTC801U/G/-X	PAIR TRANSISTOR		
Q7704	or RT3CLLM/EF/-X	TRANSISTOR		
Q7704	or PUMX1-W	PAIR TRANSISTOR		
Q7705	2SC4617/QR/-X	TRANSISTOR		
Q7705	or 2SC5383/E/-X	TRANSISTOR		
Q7705	or 2SD2216J/QR/-X	TRANSISTOR		
D7502	MA8068-X	Z DIODE		
D7503	MA8068-X	Z DIODE		
D7504	MA8068-X	Z DIODE		
D7505	MA8068-X	Z DIODE		
D7601	MA8068-X	Z DIODE		
D7701	NSSW008D/T205-X	LED		
D7702	NSSW008D/T205-X	LED		
D7703	NSSW008D/T205-X	LED		
D7704	NSSW008D/T205-X	LED		
C7604	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7605	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7608	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7609	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7610	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7611	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7612	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7613	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7614	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7615	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C7616	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C7617	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C7618	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C7619	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C7622	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	
C7623	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C7624	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
R7506	NRSA63J-471X	MG RESISTOR	470\$ 1/16W J	
R7510	NRSA63J-104X	MG RESISTOR	100k\$ 1/16W J	
R7602	NRSA63D-333X	MG RESISTOR	33k\$ 1/16W D	
R7603	NRSA63D-333X	MG RESISTOR	33k\$ 1/16W D	
R7604	NRSA63D-333X	MG RESISTOR	33k\$ 1/16W D	
R7605	NRSA63D-363X	MG RESISTOR	36k\$ 1/16W D	
R7606	NRSA63D-363X	MG RESISTOR	36k\$ 1/16W D	
R7607	NRSA63D-363X	MG RESISTOR	36k\$ 1/16W D	
R7608	NRSA63J-332X	MG RESISTOR	3.3k\$ 1/16W J	
R7610	NRSA63J-106X	MG RESISTOR	10M\$ 1/16W J	
R7703	NRSA63D-220X	MG RESISTOR	22\$ 1/16W D	
R7704	NRSA63D-220X	MG RESISTOR	22\$ 1/16W D	
R7705	NRSA63D-220X	MG RESISTOR	22\$ 1/16W D	
R7706	NRSA63D-220X	MG RESISTOR	22\$ 1/16W D	
R7707	NRSA63J-102X	MG RESISTOR	1k\$ 1/16W J	
R7708	NRSA63J-682X	MG RESISTOR	6.8k\$ 1/16W J	
CN7501	QGF0534F2-08X	CONNECTOR	SENSOR PWB FFC/FPC (1-8)	
CN7601	QGF0309F2-23X	CONNECTOR	OPE PWB FFC/FPC (1-23)	
CN7602	QGF0534F2-40X	CONNECTOR	LCD PANEL FFC/FPC (1-40)	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MS90AA	A	GZ-MS90EK	D	GZ-MS90EZ	G
GZ-MS90AG	B	GZ-MS90ER	E	GZ-MS90REK	H
GZ-MS90AS	C	GZ-MS90EU	F	GZ-MS95AH	J

REAR BOARD ASSEMBLY <06>

△ Symbol No.	Part No.	Part Name	Description	Local
PW4	LYA10145-01C4	REAR BOARD ASSY		
Q601	SP8J5-X	MOS FET		
Q601	or AP4957GM-X	MOS FET		
D601	MA8068-X	Z DIODE		
D602	MA8068-X	Z DIODE		
D603	UDZS16B-X	Z DIODE		
D603	or UDZW16B-X	Z DIODE		
D604	EMZ6.8N-X	Z DIODE		
C603	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R601	NRSA63J-101X	MG RESISTOR	100\$ 1/16W J	
R602	NRSA63J-101X	MG RESISTOR	100\$ 1/16W J	
△ R611	NRSA63J-102X	MG RESISTOR	1k\$ 1/16W J	
L601	NRSA63J-0R0X	MG RESISTOR	0\$ 1/16W J	
L602	NQR0251-004X	FERRITE BEADS		
L603	NQR0251-004X	FERRITE BEADS		
BT601	LY35422-001A	BATT.TERM.UNIT		
△ BT602	QAB0050-001	LITHIUM BATTERY	CR2032/H1G 3V 220mAh	
CN601	QGF0543F3-30X	CONNECTOR	FFC/FPC (1-30)	
△ F601	NMFZ024-2R5X-A	FUSE	2.5A	
△ F602	NMFZ024-2R5X-A	FUSE	2.5A	
J601	QNS0287-001	3.5 JACK		
J602	QNA0050-001	DC JACK		
WR1	QUQK05-30X3AA-E	FFC WIRE	REAR-MAIN 30pin 3.5cm	