

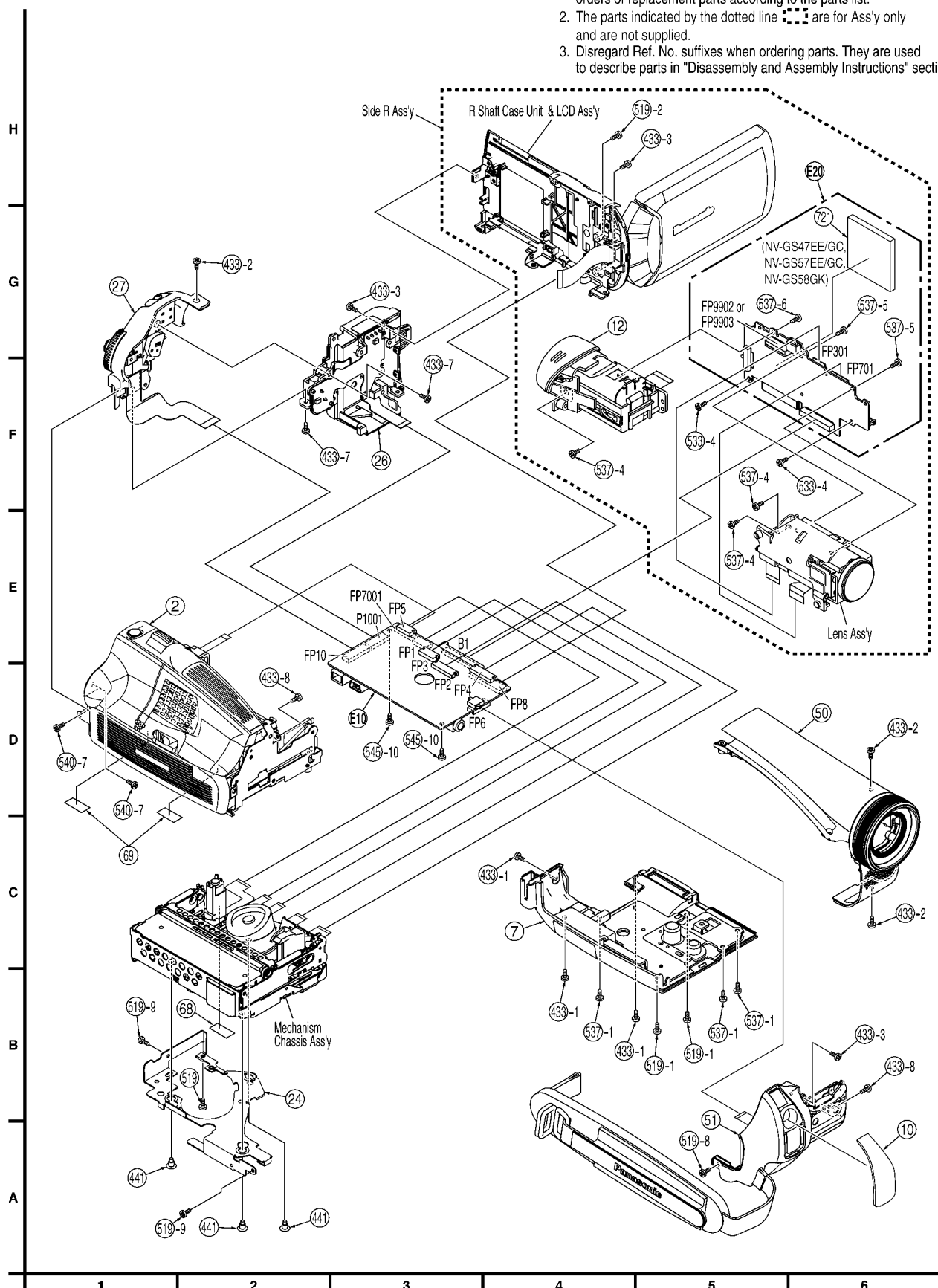
14 Exploded Views

14.1. MAIN PARTS SECTION

1 MAIN PARTS SECTION

Note:

1. Parts with no Ref. No. in "EXPLODED VIEW" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
2. The parts indicated by the dotted line  are for Ass'y only and are not supplied.
3. Disregard Ref. No. suffixes when ordering parts. They are used to describe parts in "Disassembly and Assembly Instructions" section.

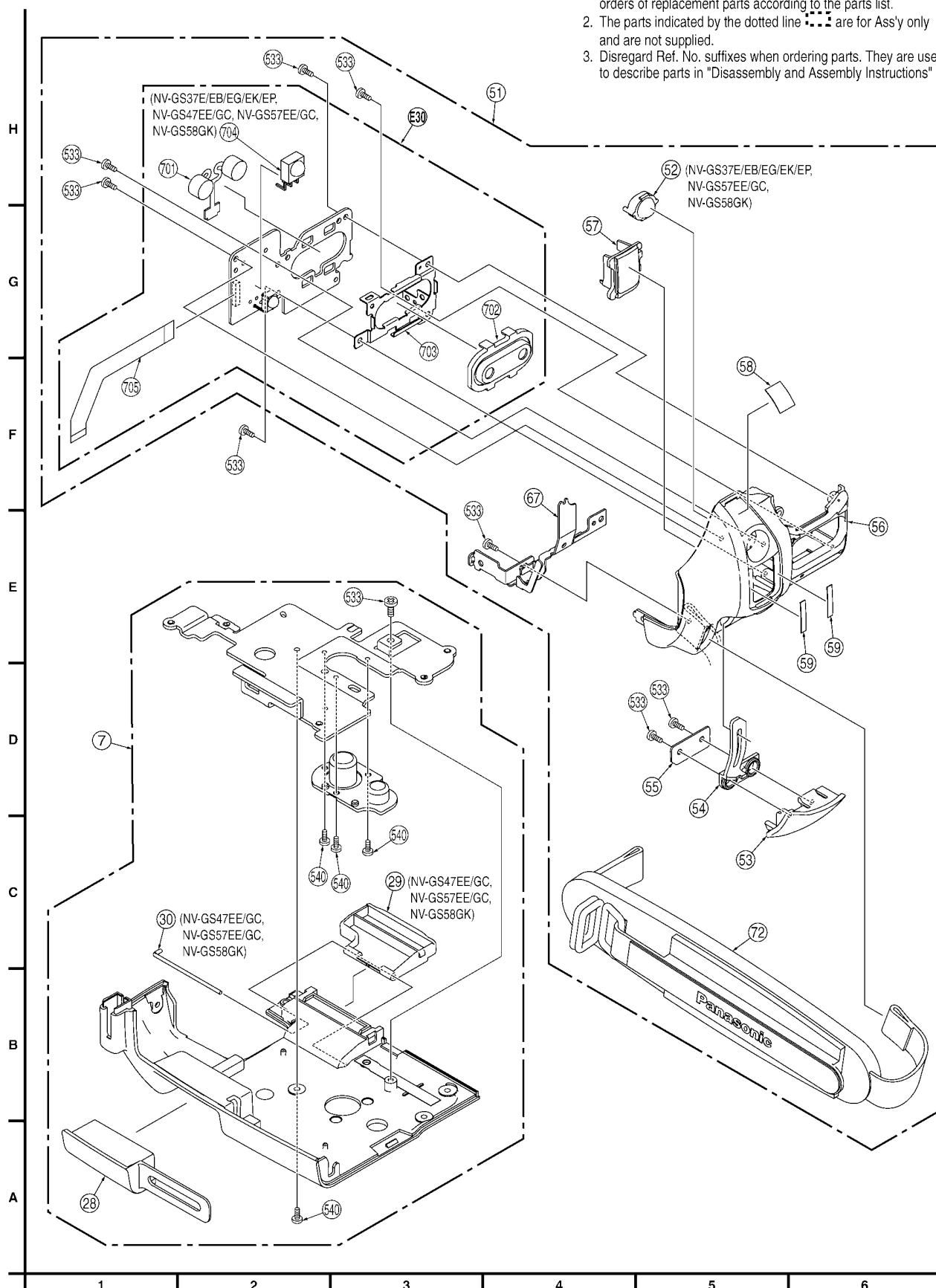


14.2. FRONT AND BOTTOM CASE SECTION

② FRONT AND BOTTOM CASE SECTION

Note:

1. Parts with no Ref. No. in "EXPLODED VIEW" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
2. The parts indicated by the dotted line  are for Ass'y only and are not supplied.
3. Disregard Ref. No. suffixes when ordering parts. They are used to describe parts in "Disassembly and Assembly Instructions" section.



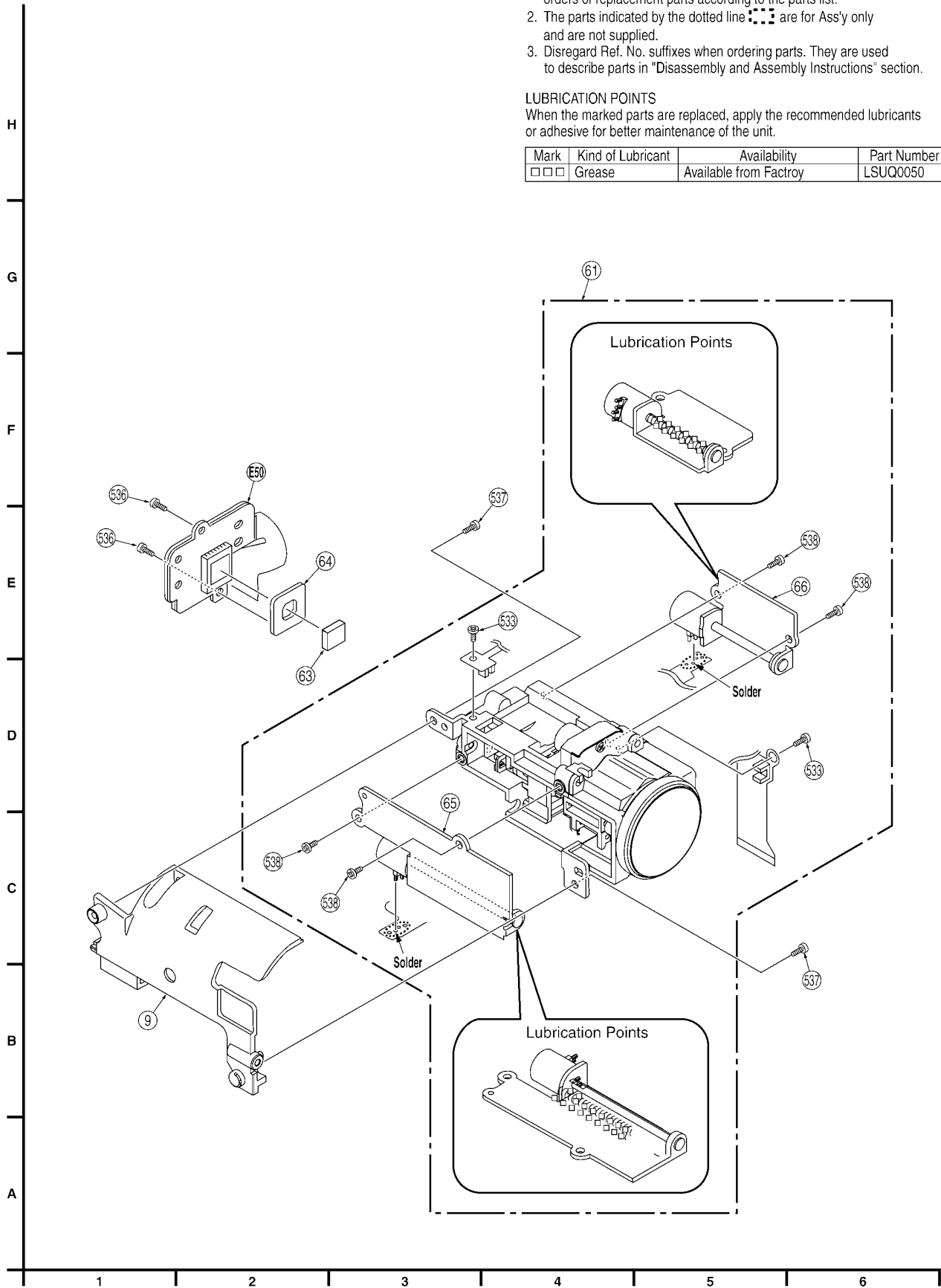
14.4. CCD AND LENS SECTION

4 CCD AND LENS SECTION

- Note:**
- Parts with no Ref. No. in "EXPLODED VIEW" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
 - The parts indicated by the dotted line  are for Ass'y only and are not supplied.
 - Disregard Ref. No. suffixes when ordering parts. They are used to describe parts in "Disassembly and Assembly Instructions" section.

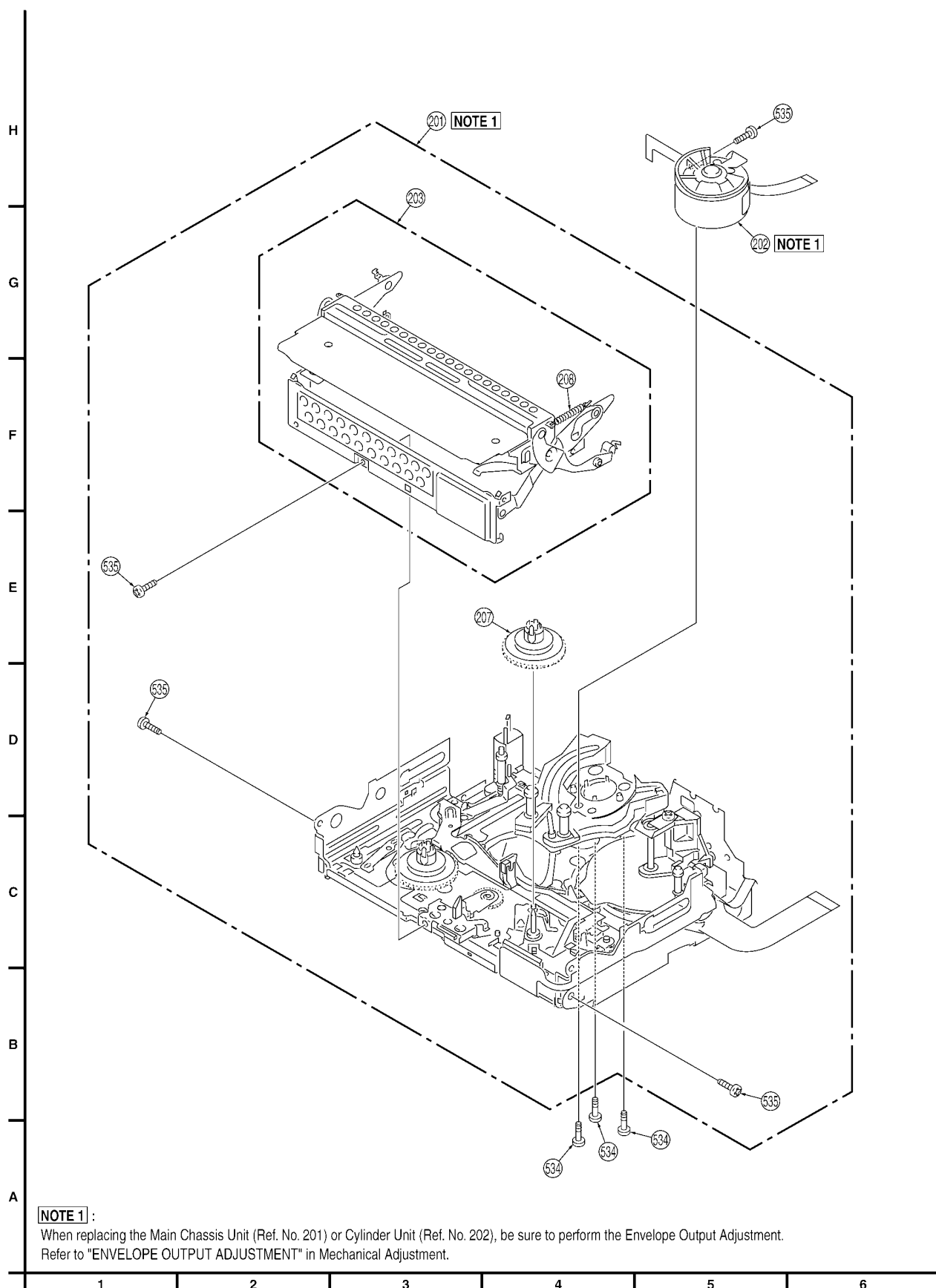
LUBRICATION POINTS
When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit.

Mark	Kind of Lubricant	Availability	Part Number
  	Grease	Available from Factroy	LSUQ0050



14.6. MECHANISM SECTION

⑥ MECHANISM SECTION

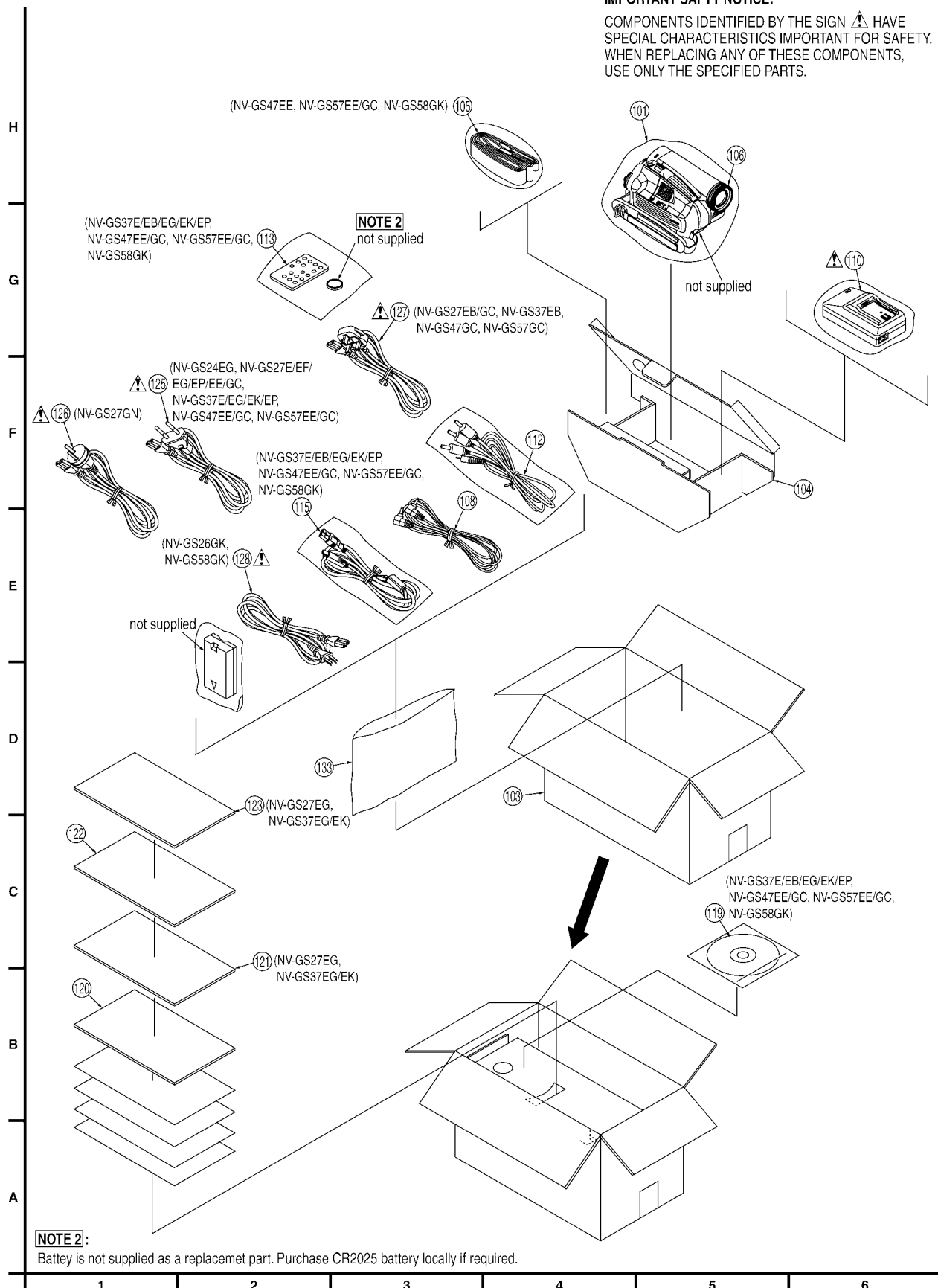


14.7. PACKING PARTS AND ACCESSORIES SECTION

7 PACKING PARTS AND ACCESSORIES SECTION

IMPORTANT SAFTY NOTICE:

COMPONENTS IDENTIFIED BY THE SIGN  HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.



15 Replacement Parts Lists

BEFORE REPLACING PARTS, READ THE FOLLOWING:

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

2. IMPORTANT SAFETY NOTICE

Components identified by the sign $\triangle$ have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. Definition of Parts supplier:

a. Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.

b. Parts without mark in the Remarks column are supplied from PSEC.

4. Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

5. Model Number Indication:

Model numbers are indicated in the Remarks column without "NV-GS."

6. Unless otherwise specified;

All resistors are in Ω , K = 1,000 Ω , M = 1,000 k Ω .

7. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is limited for this item. After the discontinuation of this item in production, it will no longer be available.

NR: Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component

W FLMPRF: Wirewound Flameproof

P.C.B.: Circuit Board Assembly

P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

CSP: Chip Size Package

8. AC Adaptor

a. VSK0561 is indicated on the AC Adaptor used in the following models:

NV-GS26GK and NV-GS58GK.

However, the AC Adaptor replacement part number is DE-974HA which should be used when ordering.

b. VSK0561 is indicated on AC Adaptor used in the following models:

NV-GS24EG, NV-GS27E, NV-GS27EB, NV-GS27EE, NV-GS27EF, NV-GS27EG, NV-GS27EP, NV-GS27GC, NV-GS27GN, NV-GS37E, NV-GS37EB, NV-GS37EG, NV-GS37EK, NV-GS37EP, NV-GS47EE, NV-GS47GC, NV-GS57EE, and NV-GS57GC.

However, the AC Adaptor replacement part number is DE-974GB which should be used when ordering.

15.1. MECHANICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

1. Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.

2. Parts without mark in the Remarks column are supplied from PSEC.

Notes:

Supply of CD-ROM, in accordance with license protection, is allowable as replacement parts only for customers who accidentally damaged or lost their own.

MECHANICAL REPLACEMENT PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
2	LSYK1699	CASSETTE COVER UNIT	24EG, 26 GK, 27E/EB/EF/EG/EP/EE/GC/GN, 37E/EB/EG/EK/EP
2	LSYK1694	CASSETTE COVER UNIT	47EE/GC, 57EE/GC, 58GK
7	LSXK0243	BOTTOM CASE UNIT, ABS RESIN	24EG, 26 GK, 27E/EB/EF/EG/EP/EE/GC/GN, 37E/EB/EG/EK/EP
7	LSXK0242	BOTTOM CASE UNIT, ABS RESIN	47EE/GC, 57EE/GC, 58GK
9	LSKM1193	LENS COVER	
10	LSGF0541	LIGHT PROTECTOR	24EG, 26 GK, 27E/EB/EF/EG/EP/EE/GC/GN, 47EE/GC
10	LSGF0544	LIGHT PROTECTOR	37E/EB/EG/EK/EP, 57EE/GC, 58GK
12	LSXK0240	EVF UNIT	RTL 24EG, 26 GK, 27E/EB/EF/EG/EP/EE/GC/GN, 47EE/GC
12	LSXK0241	EVF UNIT	RTL 37E/EB/EG/EK/EP, 57EE/GC, 58GK
13	LSKM1165	EVF BASE FRAME	
14	LSMA0721	EVF SPRING	
15	LSSC0833	EVF EARTH PLATE	
16	LSMD0799	EVF SLIDE PIECE	
17	LSJB8306	EVF FLEXIBLE PRINTED CIRCUIT	24EG, 26 GK, 27E/EB/EF/EG/EP/EE/GC/GN, 47EE/GC

Ref. No.	Part No.	Part Name & Description	Remarks
17	LSJB8305	EVF FLEXIBLE PRINTED CIRCUIT	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
18	LSGQ0182	EYE CAP	
19	LSKM1164	EVF FRAME	
20	LSYK1532	EVF CASE 1 UNIT, ABS RESIN	24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN, 47EE/GC
20	LSYK1533	EVF CASE 1 UNIT, ABS RESIN	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
21	LSKM1024	EVF CASE, ABS RESIN	
22	LSGT0068	EYE SIGHT LEVER	
23	LSYK1415	EVF LENS UNIT	
24	LSYK1712	MECHA FRAME UNIT	
26	LSYK1668	BATTERY CASE UNIT, ABS RESIN	
27	LSYK1698	REAR UNIT	24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
27	LSYK1697	REAR UNIT	37E/EB/ EG/EK/E P
27	LSYK1696	REAR UNIT	47EE/GC
27	LSYK1695	REAR UNIT	57EE/GC , 58GK
28	LSKF0655	BOTTOM JACK COVER	
29	LSKF0656	SD COVER	47EE/GC , 57EE/G C, 58GK
30	LSGQ0183	SD COVER SHAFT	47EE/GC , 57EE/G C, 58GK
31	LSYK1673	R SHAFT CASE UNIT, ABS RESIN	24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN, 37E/EB/ EG/EK/E P
31	LSYK1672	R SHAFT CASE UNIT, ABS RESIN	47EE/GC , 57EE/G C, 58GK
33	LSYK1684	LCD CASE A UNIT, ABS RESIN	24EG
33	LSYK1719	LCD CASE A UNIT, ABS RESIN	26GK
33	LSYK1683	LCD CASE A UNIT, ABS RESIN	27E/EB/ EF/EG/E P/EE/GC /GN
33	LSYK1682	LCD CASE A UNIT, ABS RESIN	37E/EB/ EG/EK/E P
33	LSYK1679	LCD CASE A UNIT, ABS RESIN	47EE/GC
33	LSYK1678	LCD CASE A UNIT, ABS RESIN	57EE/GC
33	LSYK1680	LCD CASE A UNIT, ABS RESIN	58GK
34	LSKM1173	LCD CASE B, ABS RESIN	
35	LSXY0939	LCD SHIELD CASE UNIT, ABS RESIN	
36	LSXY0940	PANEL HOLDER UNIT	
37	LSGL0422	LEAD LIGHT PANEL	
38	LSGL0404	DIFFUSION SHEET	
39	LSGL0423	REFLECT SHEET	
40	LSGL0406	BEF SHEET	
41	LSGL0421	BEF SHEET A	
42	L5BDDYH00014	LIQUID CRYSTAL DISPLAY PANEL	
50	LSYK1687	TOP UNIT	24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN, 47EE/GC
50	LSYK1686	TOP UNIT	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK

Ref. No.	Part No.	Part Name & Description	Remarks
51	LSXK0236	FRONT CASE UNIT, ABS RESIN	24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
51	LSXK0238	FRONT CASE UNIT, ABS RESIN	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
51	LSXK0239	FRONT CASE UNIT, ABS RESIN	47EE/GC
52	LSMD0822	LED LIGHT LENS	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
53	LSKF0653	FRONT JACK COVER	
54	LSMD0832	FRONT COVER HINGE	
55	LSMF0470	FRONT HINGE COVER PIECE	
56	LSKM1163	FRONT CASE, ABS RESIN	
57	LSGL0441	IR PIECE	
58	LSMZ0409	FRONT BOTH SIDE TAPE A	
59	LSMZ0410	FRONT BOTH SIDE TAPE B	
61	LSXN0042	LENS UNIT	
63	VDL1390-B	OPTICAL LOW PASS FILTER	
64	VMX3282	FILTER RUBBER	
65	L6HA66NB0003	ZOOM MOTOR UNIT	
66	L6HA66NB0006	FOCUS MOTOR UNIT	
67	LSMA0882	FRONT STRAP ANGLE	
68	LSMF0508	SHEET	
69	LSMT0422	CUSHION	
72	LSGQ0181	HAND STRAP	
101	VFF1129	POLY BAG	
103	LSPG2135	PACKING CASE, PAPER	24EG
103	LSPG2134	PACKING CASE, PAPER	26GK
103	LSPG2132	PACKING CASE, PAPER	27E/EB/ EF/EG/E P
103	LSPG2133	PACKING CASE, PAPER	27EE/GC /GN
103	LSPG2127	PACKING CASE, PAPER	37E/EB/ EG/EK/E P
103	LSPG2130	PACKING CASE, PAPER	47EE/GC
103	LSPG2128	PACKING CASE, PAPER	57EE/GC
103	LSPG2129	PACKING CASE, PAPER	58GK
104	LSPN0659	DVD PACKING	
105	VFC3506-1A	SHOULDER STRAP	47EE, 57 EE/GC, 5 8GK
106	LSYF0552	LENS CAP UNIT	
108	K2GJ2DC00015	DV CABLE W/PLUG	
110	DE-974GB	AC ADAPTOR UNIT	△ 24EG, 27 E/EB/EF /EG/EP/ EE/GC/G N, 37E/E B/EG/EK /EP, 47E E/GC, 57 EE/GC
110	DE-974HA	AC ADAPTOR UNIT	△ 26GK, 58 GK
112	K2KC4CB00022	AUDIO VIDEO CABLE W/PLUG	
113	N2QAEC000017	INFRARED REMOTE CONTROL UNIT	37E/EB/ EG/EK/E P, 47EE/ GC, 57EE /GC, 58G K
115	K1HA05CD0009	USB CABLE W/PLUG	37E/EB/ EG/EK/E P, 47EE/ GC, 57EE /GC, 58G K

Ref. No.	Part No.	Part Name & Description	Remarks
119	VFF0305-1A	CD-ROM (ENGLISH/GERMAN/FRENCH/SPANISH/ITALIAN/CHINESE (SIMPLIFIED))	37E/EB/ EG/EK/E P, 47EE/ GC, 57EE/ /GC, 58G K
120	LSQT1010-A	INSTRUCTION BOOK (FRENCH)	24EG
120	LSQT1009-A	INSTRUCTION BOOK (CHINESE (SIMPLIFIED))	26GK, 58 GK
120	LSQT1004-A	INSTRUCTION BOOK (PORTUGUESE/SPANISH/SWEDISH/DANISH)	27E, 37E
120	LSQT1006-A	INSTRUCTION BOOK (ENGLISH)	27EB, 37 EB
120	LSQT1003-A	INSTRUCTION BOOK (FRENCH)	27EF
120	LSQT1002-A	INSTRUCTION BOOK (GERMAN/FRENCH/ITALIAN/DUTCH)	27EG, 37 EG/EK
120	LSQT1005-A	INSTRUCTION BOOK (ENGLISH/POLISH/CZECH/HUNGARIAN)	27EP, 37 EP
120	LSQT1028-A	INSTRUCTION BOOK (RUSSIAN/UKRAINIAN)	27EE, 47 EE, 57EE
120	LSQT1007-A	INSTRUCTION BOOK (CHINESE (TRADITIONAL)/ENGLISH/RUSSIAN/ARABIC)	27GC, 47 GC, 57GC
120	LSQT1008-A	INSTRUCTION BOOK (ENGLISH)	27GN
121	LSQT1037-A	INSTRUCTION BOOK (TURKISH)	27EG, 37 EG/EK
122	VQT0T12	INSTRUCTION FOR CD-ROM (GERMAN/FRENCH/ITALIAN/DUTCH)	24EG, 27 EF/EG, 3 7EG/EK
122	VQT0T31	INSTRUCTION BOOK FOR CD-ROM (CHINESE (SIMPLIFIED))	26GK, 58 GK
122	VQT0T15	INSTRUCTION BOOK FOR CD-ROM (PORTUGUESE/SPANISH/SWEDISH/DANISH)	27E, 37E
122	VQT0T20	INSTRUCTION BOOK FOR CD-ROM (ENGLISH)	27EB/GN , 37EB
122	VQT0T18	INSTRUCTION BOOK FOR CD-ROM (ENGLISH/POLISH/CZECH/HUNGARIAN)	27EP, 37 EP
122	VQT0T27	INSTRUCTION BOOK FOR CD-ROM (RUSSIAN/UKRAINIAN)	27EE, 47 EE, 57EE
122	VQT0T23	INSTRUCTION BOOK FOR CD-ROM (CHINESE (TRADITIONAL)/ENGLISH/RUSSIAN/ARABIC)	27GC, 47 GC, 57GC
123	LSQT1038-A	INSTRUCTION BOOK FOR CD-ROM (TURKISH)	27EG, 37 EG/EK
125	K2CR2DA00004	AC CORD W/PLUG	△ 24EG, 27 E/EF/EG /EP/EE/ GC, 37E/ EG/EK/E P, 47EE/ GC, 57EE /GC
126	K2CJ2DA00011	AC CORD W/PLUG	△ 27GN
127	RJA0053-3X	AC CORD W/PLUG	△ 27EB/GC , 37EB, 4 7GC, 57G C
128	K2CA2CA00020	AC CORD W/PLUG	△ 26GK, 58 GK
133	LSPF0107	POLY BAG	
201	VXY1892Z1	MAIN CHASSIS UNIT	
202	VEG1663-M	CYLINDER UNIT	
203	VXA8198	CASSETTE UP UNIT	SPC
207	VXR0401	T-REEL TABLE	SPC
208	VMB3766	CASSETTE UP SPRING	SPC
433	XQN16+BJ6FN	SCREW, STEEL	
441	VHD1133	SCREW, STEEL	
450	XQN16+B4FN	SCREW, STEEL	
519	XQN16+BF4FN	SCREW, STEEL	
524	XQN16+BJ4FNK	SCREW, STEEL	
533	XQN16+BJ4FN	SCREW, STEEL	
534	VHD1757	SCREW, STEEL	
535	XQN14+B2FN	SCREW, STEEL	
536	XQN16+AJ4FN	SCREW, STEEL	

Ref. No.	Part No.	Part Name & Description	Remarks
537	XQN16+BJ5FN	SCREW, STEEL	
538	XQN14+BJ4FN	SCREW, STEEL	
540	XQN16+BF3FN	SCREW, STEEL	
545	XQN16+BF25FN	SCREW, STEEL	
701	LSEK0628	ELECTRIC CODENSER MICROPHONE UNIT	
702	LSMG0136	MIC DAMPER	
703	LSSC0832	FRONT EARTH PLATE	
704	B3RAB0000039	INFRARED RECEIVER	37E/EB/ EG/EK/E P, 47EE/ GC, 57EE/ /GC, 58G K
705	LSJB8337	FRONT FLEXIBLE PRINTED CIRCUIT	
721	K1NA09E00063	SD UNIT	47EE/GC , 57EE/G C, 58GK
E10	LSEP8330P1	MAIN P.C.B.	RTL 24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
E10	LSEP8330R1	MAIN P.C.B.	RTL 37E/EB/ EG/EP
E10	LSEP8330S1	MAIN P.C.B.	RTL 37EK, 57 EE/GC, 5 8GK
E10	LSEP8330Q1	MAIN P.C.B.	RTL 47EE/GC
E20	LSEP8331P1	CAMERA P.C.B.	RTL 24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
E20	LSEP8331R1	CAMERA P.C.B.	RTL 37E/EB/ EG/EK/E P
E20	LSEP8331Q1	CAMERA P.C.B.	RTL 47EE/GC
E20	LSEP8331S1	CAMERA P.C.B.	RTL 57EE/GC , 58GK
E30	LSEP8332A1	FRONT P.C.B.	RTL 24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
E30	LSEP8332C1	FRONT P.C.B.	RTL 37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
E30	LSEP8332D1	FRONT P.C.B.	RTL 47EE/GC
E40	LSEP8334A1	LIQUID CRYSTAL DISPLAY BACKLIGHT P.C.B. NR	
E50	LSEQ0819	CCD P.C.B. NR	

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
	VFM3110EDS	COLOR BAR STANDARD TAPE	SPC
	VFK1451	DVC HEAD CLEANING TAPE	SPC
	LSVQ0028	PLIER FOR NON ZIF CONNECTOR	
	LSUQ0050	GREASE	
	LSUA0019	EXTENSION CABLE 8P	
	LSUA0016	EXTENSION CABLE 10P	
	VUVS0015	EXTENSION CABLE 28P	
	LSUA0060	EXTENSION CABLE 90P	
	LSUA0017	EXTENSION CABLE 18P	
	VUVS0012	EXTENSION CABLE 22P	
	VFK1164LBX1	LIGHT BOX	SPC
	VFK1164TCM02	INFINITY LENS (WITH FOCUS CHART)	SPC

Ref. No.	Part No.	Part Name & Description	Remarks
	VFK1164TAR58	ATTACHMENT RING (58mm)	SPC
	VFK1164TAR55	ATTACHMENT RING (55mm)	SPC
	VFK1164TAR52	ATTACHMENT RING (52mm)	SPC
	VFK1164TAR49	ATTACHMENT RING (49mm)	SPC
	VFK1164TAR46	ATTACHMENT RING (46mm)	SPC
	VFK1164TAR43	ATTACHMENT RING (43mm)	SPC
	VFK1164TAR37	ATTACHMENT RING (37mm)	SPC
	VFK1164TAR3A	ATTACHMENT RING (30.5mm)	SPC
	VFK1164TAR27	ATTACHMENT RING (27mm)	SPC
	VFK1164TFCT2	COLOR CONVERSION FILTER (C14)	SPC
	VFK1899	POST HEIGHT ADJUSTMENT FIXTURE	SPC
	VFK1164TFWC2	WHITE CHART	SPC
	VFK1164TFCB2	COLOR BAR CHART	SPC
	VFK1164TFGS2	GRAY SCALE CHART	SPC

15.2. ELECTRICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

1. All parts are supplied from PSEC.

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E10	LSEP8330P1	MAIN P.C.B.	E.S.D. RTL 24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
E10	LSEP8330R1	MAIN P.C.B.	E.S.D. RTL 37E/EB/ EG/EP
E10	LSEP8330S1	MAIN P.C.B.	E.S.D. RTL 37EK, 57 EE/GC, 5 8GK
E10	LSEP8330Q1	MAIN P.C.B.	E.S.D. RTL 47EE/GC
E20	LSEP8331P1	CAMERA P.C.B.	E.S.D. RTL 24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
E20	LSEP8331R1	CAMERA P.C.B.	E.S.D. RTL 37E/EB/ EG/EK/E P
E20	LSEP8331Q1	CAMERA P.C.B.	E.S.D. RTL 47EE/GC
E20	LSEP8331S1	CAMERA P.C.B.	E.S.D. RTL 57EE/GC , 58GK
E30	LSEP8332A1	FRONT P.C.B.	RTL 24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN
E30	LSEP8332C1	FRONT P.C.B.	RTL 37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
E30	LSEP8332D1	FRONT P.C.B.	RTL 47EE/GC
E40	LSEP8334A1	LIQUID CRYSTAL DISPLAY BACKLIGHT P.C.B. NR	
E50	LSEQ0819	CCD P.C.B. NR	

15.2.1. MAIN P.C.B.

FPC CONNECTORS

Ref. No.	Part No.	Part Name & Description	Remarks
FP1	K1MN08BA0088	CONNECTOR 8P	
FP2	K1MN18BA0197	CONNECTOR 18P	
FP3	K1MN10BA0197	CONNECTOR 10P	
FP4	K1MN18BA0088	CONNECTOR 18P	
FP5	K1MN08BA0088	CONNECTOR 8P	
FP6	K1MN12BA0088	CONNECTOR 12P	
FP8	K1MN28BA0196	CONNECTOR 28P	
FP10	K1MN18BA0091	CONNECTOR 18P	
FP7001	K1MN10BA0197	CONNECTOR 10P	

15.2.2. CAMERA P.C.B.

FPC CONNECTORS

Ref. No.	Part No.	Part Name & Description	Remarks
FP301	K1MN14BA0197	CONNECTOR 14P	
FP701	K1MN22BA0197	CONNECTOR 22P	
FP9902	K1MN22A00065	CONNECTOR 22P	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
FP9903	K1MN16A00077	CONNECTOR 16P	24EG, 26 GK, 27E/ EB/EF/E G/EP/EE /GC/GN, 47EE/GC

15.2.3. FRONT P.C.B.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC4801	C0ABBB000369	IC, LINEAR	
or IC4801	C0ABBB000262	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q4301	2SD1819ARL	TRANSISTOR SI NPN CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
Q4302	2SD1819ARL	TRANSISTOR SI NPN CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
Q4305	2SB1218ARL	TRANSISTOR SI PNP CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
Q4306	UNR9112J08	TRANSISTOR SI PNP CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
or Q4306	B1GDCFLL0019	TRANSISTOR SI PNP CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
or Q4306	B1GDCFLL0020	TRANSISTOR SI PNP CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
Q4307	UNR9213J08	TRANSISTOR SI NPN CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
or Q4307	B1GBCFNN0029	TRANSISTOR SI NPN CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
or Q4307	B1GBCFNN0030	TRANSISTOR SI NPN CHIP	37E/EB/ EG/EK/E P, 57EE/ GC, 58GK
Q4801	2SD2216J08	TRANSISTOR SI NPN CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
or Q4801	B1ABCF000104	TRANSISTOR SI NPN CHIP	
Q6501	2SD10300SL	TRANSISTOR SI NPN CHIP	
Q6502	2SD2216J08	TRANSISTOR SI NPN CHIP	
or Q6502	B1ABCF000104	TRANSISTOR SI NPN CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4301	B3AFB0000126	LIGHT EMITTING DIODE RED	37E/EB/EG/EK/E P,57EE/GC,58GK
D4302	B0BC6R2A0127	DIODE ZENER CHIP 6.2V	37E/EB/EG/EK/E P,57EE/GC,58GK
D4303	B0BC6R2A0127	DIODE ZENER CHIP 6.2V	37E/EB/EG/EK/E P,57EE/GC,58GK
D6503	MA3S132D0L	DIODE SI CHIP	
D6504	B3GA00000041	LIGHT EMITTING DIODE	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R4301	D0HB470ZA003	MGF CHIP 1/16W 47	37E/EB/EG/EK/E P,57EE/GC,58GK
R4302	D0HB470ZA003	MGF CHIP 1/16W 47	37E/EB/EG/EK/E P,57EE/GC,58GK
R4305	ERA3YED472V	MGF CHIP 1/16W 4.7K	37E/EB/EG/EK/E P,57EE/GC,58GK
R4306	ERA3YED333V	MGF CHIP1/16W 33K	37E/EB/EG/EK/E P,57EE/GC,58GK
R4307	ERA3YED682V	MGF CHIP1/16W 6.8K	37E/EB/EG/EK/E P,57EE/GC,58GK
R4308	ERJ3GEY0R00V	MGF CHIP 1/16W 0	37E/EB/EG/EK/E P,57EE/GC,58GK
R4802	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R4803	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R4804	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R4805	ERJ3GEYJ124V	MGF CHIP 1/16W 120K	
R4806	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R4807	D0HB392ZA002	MGF CHIP 1/16W 3.9K	
R4808	ERJ3GEYJ124V	MGF CHIP 1/16W 120K	
R4809	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R4810	D0HB392ZA002	MGF CHIP 1/16W 3.9K	
R6501	ERJ3GEYJ560V	MGF CHIP 1/16W 56	37E/EB/EG/EK/E P,47EE/GC,57EE/GC,58GK
R6502	ERJ3GEYJ683V	MGF CHIP 1/16W 68K	37E/EB/EG/EK/E P,47EE/GC,57EE/GC,58GK
R6503	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R6504	ERJ3GEYJ106V	MGF CHIP 1/16W 10M	
R6505	ERJ3GEYJ225V	MGF CHIP 1/16W 2.2M	
R6506	ERJ3GEYJ334V	MGF CHIP 1/16W 330K	
R6507	ERJ3GEYJ182V	MGF CHIP 1/16W 1.8K	
R6508	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R6509	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C4301	F1H1A105A028	C CHIP 10V 1UF	37E/EB/EG/EK/E P,57EE/GC,58GK
C4801	F1H1A105A028	C CHIP 10V 1UF	
C4802	F1H1A105A028	C CHIP 10V 1UF	
C4803	ECJ2FBOJ106K	C CHIP 6.3V 10UF	
C4804	F1H1H822A219	C CHIP 50V 8200PF	
C4805	F1H1C273A041	C CHIP 16V 0.027UF	
C4806	F1H1C273A041	C CHIP 16V 0.027UF	
C4808	F1H1C273A041	C CHIP 16V 0.027UF	
C4809	F1H1H822A219	C CHIP 50V 8200PF	
C4810	F1H1C273A041	C CHIP 16V 0.027UF	
C4812	F3F0J226A055	TANTALUM CHIP 6.3V 22UF	
C6501	F3F0J106A032	TANTALUM CHIP 6.3V 10UF	37E/EB/EG/EK/E P,47EE/GC,57EE/GC,58GK
C6502	F1H1C104A008	C CHIP 16V 0.1UF	37E/EB/EG/EK/E P,47EE/GC,57EE/GC,58GK
C6503	F1H0J474A002	C CHIP 6.3V 0.47UF	
C6504	F1H1C104A041	C CHIP 16V 0.1UF	

FPC CONNECTOR

Ref. No.	Part No.	Part Name & Description	Remarks
FP6501	K1MN12BA0089	CONNECTOR 12P	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
701	LSEK0628	ELECTRIC CODENSER MICROPHONE UNIT	
702	LSMG0136	MIC DAMPER	
703	LSSC0832	FRONT EARTH PLATE	
704	B3RAB0000039	INFRARED RECEIVER	37E/EB/EG/EK/E P,47EE/GC,57EE/GC,58GK
705	LSJB8337	FRONT FLEXIBLE PRINTED CIRCUIT	

15.2.4. LIQUID CRYSTAL DISPLAY BACKLIGHT P.C.B. NR

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q8101	2SD1819ARL	TRANSISTOR SI NPN CHIP	
Q8102	2SD1819ARL	TRANSISTOR SI NPN CHIP	
Q8103	2SD1819ARL	TRANSISTOR SI NPN CHIP	
Q8104	2SD1819ARL	TRANSISTOR SI NPN CHIP	
Q8105	XP0450100L	TRANSISTOR COMPLX CMP SI NPN CHIP	
Q8106	XP0440100L	TRANSISTOR COMPLX CMP SI PNP CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D8109	MA2S728008	DIODE SI CHIP	
or D8109	B0JCDD000002	DIODE SI CHIP	
or D8109	MA2S72800L	DIODE SI CHIP	
D8110	MA2S728008	DIODE SI CHIP	
or D8110	B0JCDD000002	DIODE SI CHIP	
or D8110	MA2S72800L	DIODE SI CHIP	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R8101	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8102	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8103	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8104	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8105	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8106	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8107	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8108	D0HB470ZA003	MGF CHIP 1/16W 47	
R8109	D0HB470ZA003	MGF CHIP 1/16W 47	
R8110	D0HB470ZA003	MGF CHIP 1/16W 47	
R8111	D0HB470ZA003	MGF CHIP 1/16W 47	
R8112	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8113	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8114	ERA3YKD104V	MGF CHIP 1/16W 100K	
R8115	ERA3YED123V	MGF CHIP 1/16W 12K	
R8116	ERA3YKD184V	MGF CHIP 1/16W 180K	
R8117	ERJ3GEYJ393V	MGF CHIP 1/16W 39K	
R8118	ERJ3GEYJ393V	MGF CHIP 1/16W 39K	
R8119	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	
R8120	ERJ3GEYJ113V	MGF CHIP 1/16W 11K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C8101	F1H1H471A737	C CHIP 50V 470PF	
C8102	F1H1H471A737	C CHIP 50V 470PF	
C8103	F1H1H471A737	C CHIP 50V 470PF	
C8104	F1J1C2250003	C CHIP 16V 2.2UF	
C8105	F1J1C2250003	C CHIP 16V 2.2UF	
C8106	F1H1C104A041	C CHIP 16V 0.1UF	
C8107	ECJ3YB1C475K	C CHIP 16V 4.7UF	
C8108	F1J1C1050028	C CHIP 16V 1UF	
C8109	F1J1C1050028	C CHIP 16V 1UF	
C8110	F1J1C1050028	C CHIP 16V 1UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L8101	G1C100M00010	COIL CHIP 10UH	
L8102	G1C100M00010	COIL CHIP 10UH	
L8103	G1C100M00010	COIL CHIP 10UH	
L8104	G1C100M00010	COIL CHIP 10UH	

FPC CONNECTORS

Ref. No.	Part No.	Part Name & Description	Remarks
FP8101	K1MN26BA0196	CONNECTOR 26P	
FP8102	K1MN24BA0196	CONNECTOR 24P	