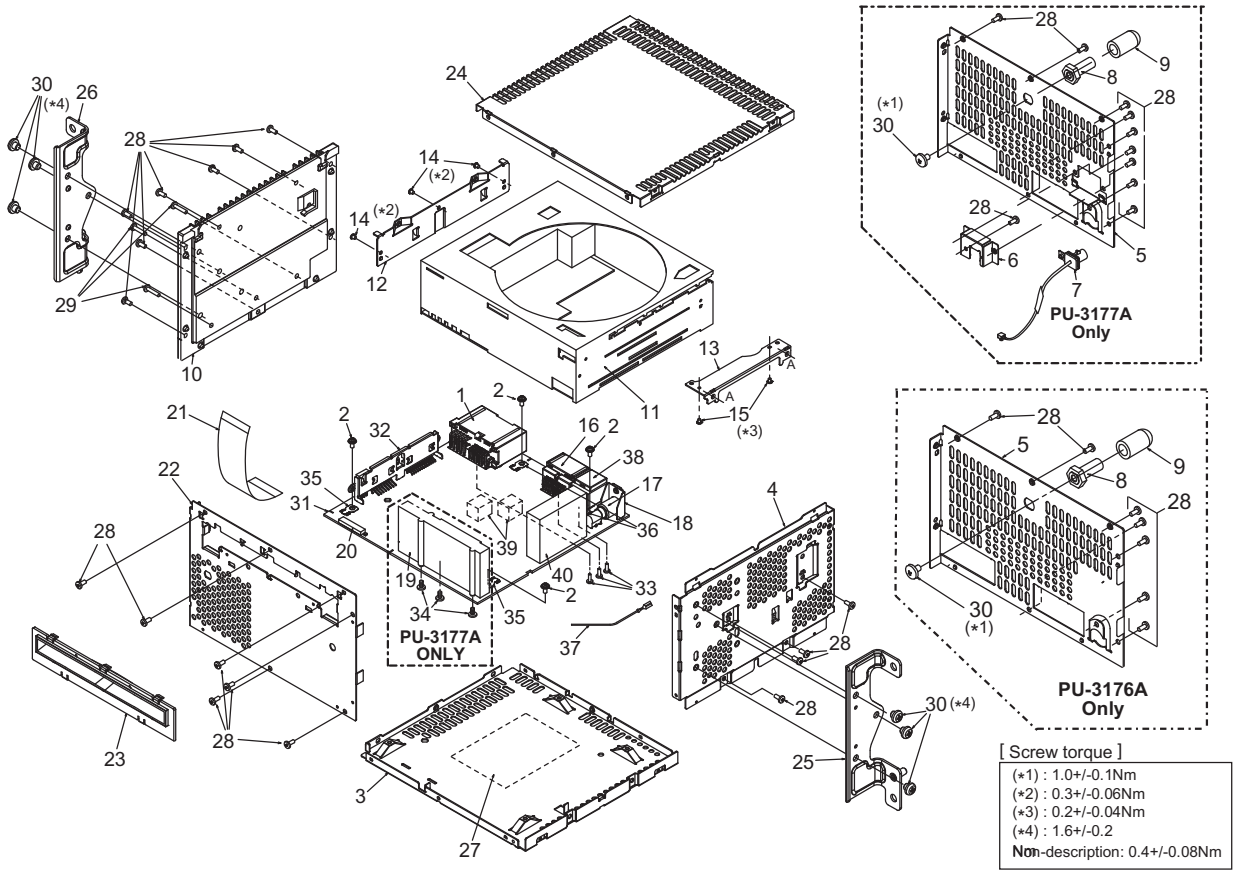
EXPLODED VIEW/PARTS LIST



Note) Some parts depend on each model. The model name is specified in the description.

NO.	PART NO.	DESCRIPTION	Q'TY
1	074-4032-24	OUTLET SOCKET(24P)	1
2	716-0878-50	SCREW(M2.6x5)	4
3	304-0487-00	LOWER-CVR	1
4	305-0349-10	SIDE-CVR	1
5	307-0730-11 307-0728-11	REAR-CVR (PU3176A) REAR-CVR (PU3177A)	1 1
6	331-4438-00	CON-BRKT (PU3177A)	1
7	855-0617-00	EX-LEAD (PU3177A)	1
8	716-3607-00	REAR BOLT	1
9	345-6054-00	RUBBER PART	1
10	313-2020-02	HEAT SINK	1
11	929-0400-83	CD-CHANG-MODULE	1
12	331-4434-00	MECH BRKT (L)	1
13	331-4435-00	MECH BRKT (R)	1
14	716-3552-00	SCREW (M2.3x2.5)	3
15	716-1799-00	SCREW (M2x2.5)	2
16	074-4032-16	OUTLET SOCKET (16P)	1
17	092-2228-60	ANT-RECEPT	1
18	331-4433-00	ANT HOLDER	1
19	941-0223-03	SDARS TUNER(PU3177A)	1
20	074-1237-69	OUTLET SOCKET(19P)	1
21	816-4045-52	FLAT WIRE	1

NO.	PART NO.	DESCRIPTION	Q'TY
22	309-0847-02	FRONT PLATE	1
23	335-8125-01	DISC GUIDE	1
24	303-0494-00	UPPER-CVR	1
25	300-8145-01	MTG-BRKT-ASSY R	1
26	300-8144-01	MTG-BRKT-ASSY L	1
27	276-0647-30 276-0647-31	SETPLATE (PU3176A) SETPLATE (PU3177A)	1 1
28	714-2606-8B	SCREW(M2.6x6) (PU3176A) SCREW(M2.6x6) (PU3177A)	24 27
29	714-2612-8H	SCREW (M2.6x12)	3
30	714-5006-8B	SCREW (M5x6)	7
31	----------	Main PWB	1
32	331-4432-01	IC HOLDER	1
33	716-3617-00	SCREW (M2.5x6)	3
34	716-3614-00	IT SCREW (M2.5x5) (PU3177A)	3
35	073-0762-90	TERMINAL	2
36	073-0768-90	TERMINAL	2
37	840-0544-50	BONDING WIRE	1
38	074-4032-08	OUTLET SOCKET (8P)	1
39	345-6066-00	GASKET	2
40	880-2091I	AM/FM TUNER PACK	1

ELECTRICAL PARTS LIST

Main PWB(B1) section

Note) Some parts depend on each model. The model name is specified in the description.

REF No.	PART No.	DESCRIPTION
ANT104	092-2228-60	ANT-RECEPT
BL101	941-0223-02	SDARS TUNER (PU-3177A Only)
BL151	880-2091I	AM/FM-TUNER
C104	166-1011-50	100pF CH (PU-3177A Only)
C105	166-1011-50	100pF CH (PU-3177A Only)
C106	166-1011-50	100pF CH (PU-3177A Only)
C111	166-1011-50	100pF CH (PU-3177A Only)
C112	166-1011-50	100pF CH (PU-3177A Only)
C113	166-1011-50	100pF CH (PU-3177A Only)
C114	166-1011-50	100pF CH (PU-3177A Only)
C119	166-1011-50	100pF CH (PU-3177A Only)
C134	166-1011-50	100pF CH (PU-3177A Only)
C138	168-1042-78	16V 0.1uF K (PU-3177A Only)
C141	166-1011-50	100pF CH (PU-3177A Only)
C142	166-1011-50	100pF CH (PU-3177A Only)
C143	168-1042-78	16V 0.1uF K (PU-3177A Only)
C144	166-1011-50	100pF CH (PU-3177A Only)
C145	166-1011-50	100pF CH (PU-3177A Only)
C146	165-1073-35	16V 100uF (PU-3177A Only)
C173	166-1511-50	150pF CH
C174	165-1073-35	16V 100uF
C175	166-2201-50	22pF CH
C176	168-1022-55	1000pF K
C177	168-1022-55	1000pF K
C178	168-1022-55	1000pF K
C179	168-1022-55	1000pF K
C180	165-1073-35	16V 100uF
C181	168-1022-55	1000pF K
C182	168-1022-55	1000pF K
C183	168-1022-55	1000pF K
C201	168-1042-78	16V 0.1uF K
C202	168-2232-55	0.022uF K
C203	168-2232-55	0.022uF K
C204	168-2232-55	0.022uF K
C206	166-1011-50	100pF CH
C207	168-1042-78	16V 0.1uF K
C209	168-1042-78	16V 0.1uF K
C212	166-1011-50	100pF CH
C214	166-9097-50	9pF +/-0.5pF CH
C215	178-1055-79	1uF
C216	166-4711-50	470pF CH
C217	166-9097-50	9pF +/-0.5pF CH
C218	166-1811-50	180pF CH
C219	168-1022-55	1000pF K
C226	165-1053-65	50V 1uF
C227	168-5622-55	5600pF K
C228	165-1053-65	50V 1uF
C229	168-5622-55	5600pF K
C230	168-1042-78	16V 0.1uF K
C231	168-1022-55	1000pF K
C232	165-4753-55	35V 4.7uF
C233	168-1042-78	16V 0.1uF K
C234	166-1011-50	100pF CH
C235	168-2232-55	0.022uF K
C236	168-1022-55	1000pF K
C237	168-1042-78	16V 0.1uF K
C238	042-4021-92	6.3V 330uF
C239	168-1042-78	16V 0.1uF K
C240	042-4021-91	10V 220uF
C241	168-1042-78	16V 0.1uF K
C242	168-1042-78	16V 0.1uF K
C243	168-1022-55	1000pF K
C244	168-2232-55	0.022uF K
C245	168-1042-78	16V 0.1uF K
C246	168-1032-55	0.01uF K
C247	168-2222-55	2200pF K
C248	168-2222-55	2200pF K
C249	165-4753-55	35V 4.7uF
C250	168-1042-78	16V 0.1uF K
C252	165-4753-55	35V 4.7uF
C253	168-1042-78	16V 0.1uF K
C255	166-1011-50	100pF CH
C256	168-1042-78	16V 0.1uF K
C257	178-1055-79	1uF
C258	168-3332-78	0.033uF K
C259	165-4763-15	6.3V 47uF
C260	042-0423-94	10V 4.7uF
C261	168-1022-55	1000pF K
C262	168-1042-78	16V 0.1uF K
C263	165-1063-35	16V 10uF
C264	168-1052-78	16V 1uF K
C265	166-2211-50	220pF CH
C266	166-2211-50	220pF CH
C267	165-1073-15	6.3V 100uF
C268	168-1042-78	16V 0.1uF K
C269	168-4732-78	0.047uF K
C270	165-2263-15	6.3V 22uF
C271	168-1052-78	16V 1uF K
C272	165-2263-15	6.3V 22uF
C273	168-1052-78	16V 1uF K
C274	165-4753-55	35V 4.7uF
C276	166-2211-50	220pF CH
C277	168-1042-78	16V 0.1uF K
C278	166-2211-50	220pF CH
C279	168-1052-78	16V 1uF K
C280	178-1055-79	1uF
C281	168-2722-55	2700pF K
C282	168-2722-55	2700pF K
C283	178-1055-79	1uF
C284	178-1055-79	1uF
C285	168-2722-55	2700pF K
C286	168-2722-55	2700pF K
C287	178-1055-79	1uF
C288	168-1542-58	0.15uF K
C289	168-1542-58	0.15uF K
C290	168-3322-55	3300pF K
C291	168-3322-55	3300pF K
C292	168-3322-55	3300pF K
C293	168-3322-55	3300pF K
C294	168-3322-55	3300pF K
C295	168-3322-55	3300pF K
C297	168-1032-55	0.01uF K
C300	042-0416-60	25V 10uF M TAN
C379	165-1073-35	16V 100uF
C400	042-1767-90	16V 470uF
C401	042-1767-90	16V 470uF
C402	178-1042-78	0.1uF
C403	165-1063-35	16V 10uF
C404	178-1042-78	0.1uF
C405	178-2222-78	2200pF
C406	168-1042-78	16V 0.1uF K
C407	165-1063-35	16V 10uF
C408	165-2263-35	16V 22uF
C409	168-1042-78	16V 0.1uF K
C410	168-1042-78	16V 0.1uF K
C411	178-1042-78	0.1uF
C412	168-1042-78	16V 0.1uF K
C413	168-1042-78	16V 0.1uF K
C414	042-1767-90	16V 470uF
C415	178-1042-78	0.1uF
C416	178-2222-78	2200pF
C417	178-2222-78	2200pF
C418	178-2222-78	2200pF
C419	178-2222-78	2200pF
C420	178-2222-78	2200pF
C421	178-2222-78	2200pF
C422	178-2222-78	2200pF
C423	178-2222-78	2200pF
C424	178-2222-78	2200pF
C425	178-1022-78	1000pF
C426	178-1022-78	1000pF
C427	178-1022-78	1000pF
C428	178-1022-78	1000pF
C429	168-1022-55	1000pF K
C430	168-1042-78	16V 0.1uF K
C431	178-1042-78	0.1uF
C432	178-1042-78	0.1uF
C435	168-3332-78	0.033uF K
C437	178-2222-78	2200pF
C438	178-2222-78	2200pF
C441	178-2222-78	2200pF
C442	178-2222-78	2200pF
C443	178-2222-78	2200pF
C444	176-1011-59	100pF SL
C445	176-1011-59	100pF SL
C446	178-2222-78	2200pF
C447	168-1045-56	25V 0.1uF Z
C448	165-2263-15	6.3V 22uF
C449	178-2222-78	2200pF
C450	178-2222-78	2200pF
C451	178-2222-78	2200pF
C452	178-2222-78	2200pF
C453	168-1042-78	16V 0.1uF K
C454	166-1011-50	100pF CH
C455	168-2245-79	0.22uF Z
C456	168-1042-78	16V 0.1uF K
C457	178-2222-78	2200pF
C458	178-1045-79	0.1uF
C459	165-2263-35	16V 22uF
C460	165-2263-35	16V 22uF
C461	168-1042-78	16V 0.1uF K
C462	165-2263-35	16V 22uF
C463	168-1042-78	16V 0.1uF K
C464	042-0423-97	16V 10uF
C499	178-2222-78	2200pF
C503	165-2253-65	50V 2.2uF
C505	165-2253-65	50V 2.2uF
C507	165-2253-65	50V 2.2uF
C509	165-2263-55	35V 22uF
C510	043-0499-51	50V 0.1uF J
C511	042-1717-00	16V 3300uF
C515	168-2222-55	2200pF K
C516	168-2222-55	2200pF K
C519	178-4742-78	0.47uF
C520	168-2222-55	2200pF K
C521	168-2222-55	2200pF K
C522	178-4742-78	0.47uF
C524	178-4742-78	0.47uF
C525	168-1052-78	16V 1uF K
C527	178-4742-78	0.47uF
C538	165-2253-65	50V 2.2uF
C539	165-2253-65	50V 2.2uF
C544	165-2263-15	6.3V 22uF
C545	165-2263-15	6.3V 22uF
C547	165-4743-65	50V 0.47uF
C549	166-1007-50	10pF CH

Note) Some parts depend on each model. The model name is specified in the description.

REF No.	PART No.	DESCRIPTION
C553	168-2222-55	2200pF K
C554	166-1007-50	10pF CH
C555	166-1007-50	10pF CH
C556	168-1042-78	16V 0.1uF K
C557	165-2263-35	16V 22uF
C558	165-2253-65	50V 2.2uF
C559	043-0559-90	6.3V 22uF
C560	168-8212-55	820pF K
C563	166-1007-50	10pF CH
C564	165-4743-65	50V 0.47uF
C600	166-1501-50	15pF CH
C601	168-1032-55	0.01uF K
C602	166-1011-50	100pF CH
C603	168-1042-78	16V 0.1uF K
C604	165-4753-55	35V 4.7uF
C605	165-4753-55	35V 4.7uF
C607	168-1042-78	16V 0.1uF K
C608	042-4022-90	6.3V 1000uF
C609	042-4022-90	6.3V 1000uF
C610	178-1055-79	1uF
C611	168-1022-55	1000pF K
C612	168-1042-78	16V 0.1uF K
C613	168-1032-55	0.01uF K
C616	168-1042-78	16V 0.1uF K
D101	001-0529-28	MA8051-L
		(PU-3177A Only)
D103	001-0529-14	MA8030-L
		(PU-3177A Only)
D400	001-0516-90	MA111
D402	001-0592-00	RM4Z
D403	001-4315-50	MMBZ27VCLT1G
D404	001-0516-90	MA111
D405	001-0516-90	MA111
D406	001-1304-90	DAN202U
D407	001-4315-50	MMBZ27VCLT1G
D408	001-0529-28	MA8051-L
D409	001-0516-90	MA111
D410	001-0516-90	MA111
D411	001-0529-42	MA8075-H
D412	001-0529-42	MA8075-H
D414	001-0516-90	MA111
D416	001-0516-90	MA111
D418	001-0529-32	MA8056-M
D419	001-4313-52	HZU7CZL
D420	001-0516-90	MA111
D422	001-0516-90	MA111
D423	001-0516-90	MA111
D501	001-0529-21	MA8039-H
D502	001-0516-90	MA111
D505	001-1304-90	DAN202U
D603	001-0516-90	MA111
IC201	----------	SAF7730HV/N317/
		S1
IC401	051-3510-01	TDA3681JR/N2C
IC402	051-3402-90	NJM2406F
IC403	051-3512-90	BH33PB1WHFV
IC404	051-3344-90	BD3930FP-E2
IC405	051-3218-90	TA76431F
IC407	051-6653-80	SN65HVD1040QDR
		Q1
IC408	051-5459-90	BD4836G-TR
IC501	051-2068-00	TDA7562B
IC503	051-3057-90	BA4558RFV
IC504	051-3057-90	BA4558RFV
IC601	051-7108-80	HEF4053B-MSI
		(PU-3177A Only)
IC602	----------	uPD70F3351GC-
		8EA-A
IC603	051-5423-08	S-80929CLMC-G6Z
IC604	----------	BR24S16FVT-WTR
J401	074-4032-24	24P
J402	074-4032-08	8P
J403	074-4032-16	16P

REF No.	PART No.	DESCRIPTION
J601	076-6000-58	8p
J602	074-1237-69	19P
L113	010-2003-04	30uH
L200	010-3105-62	1k ohm/100MHz
L201	010-3105-62	1k ohm/100MHz
L202	010-3105-62	1k ohm/100MHz
L203	010-3105-62	1k ohm/100MHz
L204	010-3105-62	1k ohm/100MHz
L205	010-3105-62	1k ohm/100MHz
L206	010-3105-62	1k ohm/100MHz
L207	010-3105-62	1k ohm/100MHz
L208	010-3105-62	1k ohm/100MHz
L209	010-3105-62	1k ohm/100MHz
L210	010-3105-62	1k ohm/100MHz
L211	010-2198-51	0.22uH
L212	010-3105-62	1k ohm/100MHz
L213	010-3105-62	1k ohm/100MHz
L214	010-3104-54	600 ohm/100MHz
L215	010-3105-62	1k ohm/100MHz
L216	010-3105-62	1k ohm/100MHz
L217	010-3105-62	1k ohm/100MHz
L218	010-3105-62	1k ohm/100MHz
L219	010-3105-62	1k ohm/100MHz
L220	010-3105-62	1k ohm/100MHz
L221	010-3105-62	1k ohm/100MHz
L222	010-3104-54	600 ohm/100MHz
L223	010-3105-62	1k ohm/100MHz
L401	010-8049-00	145uH
L404	010-3503-90	6.5uH
		(PU-3177A Only)
L601	010-3105-62	1k ohm/100MHz
L602	010-3105-62	1k ohm/100MHz
Q101	190-2060-00	2SA2060
		(PU-3177A Only)
Q102	125-2027-90	DTC143EU
		(PU-3177A Only)
Q103	125-2027-91	DTC114EUA
		(PU-3177A Only)
Q104	125-2027-91	DTC114EUA
		(PU-3177A Only)
Q201	125-7007-90	Si5441BDC-TI-E3
Q400	192-4081-00	2SC4081
Q401	192-4081-00	2SC4081
Q405	192-4081-00	2SC4081
Q406	125-2027-91	DTC114EUA
Q407	103-2394-00	2SD2394
Q408	192-4081-00	2SC4081
Q409	125-9026-90	IMF29
Q410	125-2027-91	DTC114EUA
Q411	125-9026-90	IMF29
Q412	125-9017-92	UMD3N-TR
Q413	192-4081-00	2SC4081
Q414	192-4081-00	2SC4081
Q418	125-9017-92	UMD3N-TR
Q421	190-1576-00	2SA1576A
Q424	125-2042-90	DTC614TU-T106
Q502	125-9017-92	UMD3N-TR
Q504	125-2027-91	DTC114EUA
Q510	125-0021-92	DTA124EUA
Q511	125-2042-90	DTC614TU-T106
Q512	192-4081-00	2SC4081
Q513	125-2042-90	DTC614TU-T106
Q601	125-2027-92	DTC124EUA
Q602	192-4081-00	2SC4081
R101	119-4731-15	1/10W 47k ohm
		(PU-3177A Only)
R102	117-1021-15	1/8W 1k ohm
		(PU-3177A Only)
R103	119-4721-15	1/10W 4.7k ohm
		(PU-3177A Only)
R104	119-1031-15	1/10W 10k ohm
		(PU-3177A Only)
R105	119-1031-15	1/10W 10k ohm

REF No.	PART No.	DESCRIPTION
		(PU-3177A Only)
R106	119-1031-15	1/10W 10k ohm
		(PU-3177A Only)
R107	119-1011-15	1/10W 100 ohm
		(PU-3177A Only)
R108	119-1011-15	1/10W 100 ohm
		(PU-3177A Only)
R109	119-1011-15	1/10W 100 ohm
		(PU-3177A Only)
R110	119-1011-15	1/10W 100 ohm
		(PU-3177A Only)
R112	119-1031-15	1/10W 10k ohm
		(PU-3177A Only)
R113	119-1001-15	1/10W 10 ohm
R114	119-1001-15	1/10W 10 ohm
R115	119-1011-15	1/10W 100 ohm
		(PU-3177A Only)
R116	119-0000-05	1/10W 0 ohm JW
		(PU-3177A Only)
R117	119-0000-05	1/10W 0 ohm JW
		(PU-3177A Only)
R119	119-1011-15	1/10W 100 ohm
R120	119-1011-15	1/10W 100 ohm
R121	119-2741-15	1/10W 270k ohm
R122	119-0000-05	1/10W 0 ohm JW
		(PU-3177A Only)
R133	119-6821-15	1/10W 6.8k ohm
R134	119-6821-15	1/10W 6.8k ohm
R135	119-1011-15	1/10W 100 ohm
R136	119-1011-15	1/10W 100 ohm
R137	119-1011-15	1/10W 100 ohm
R138	119-1011-15	1/10W 100 ohm
R139	119-1011-15	1/10W 100 ohm
R140	119-1041-15	1/10W 100k ohm
R201	119-1031-15	1/10W 10k ohm
R205	119-1031-15	1/10W 10k ohm
R207	119-1031-15	1/10W 10k ohm
R208	119-0000-05	1/10W 0 ohm JW
		(PU-3177A Only)
R209	119-0000-05	1/10W 0 ohm JW
		(PU-3177A Only)
R210	119-0000-05	1/10W 0 ohm JW
		(PU-3177A Only)
R211	119-1031-15	1/10W 10k ohm
R213	119-1011-15	1/10W 100 ohm
R214	119-1021-15	1/10W 1k ohm
R215	119-1001-15	1/10W 10 ohm
R217	119-1001-15	1/10W 10 ohm
R219	119-4731-15	1/10W 47k ohm
R220	119-1241-15	1/10W 120k ohm
R222	119-4731-15	1/10W 47k ohm
R223	119-2201-15	1/10W 22 ohm
R224	119-1011-15	1/10W 100 ohm
R225	119-1011-15	1/10W 100 ohm
R227	119-8221-15	1/10W 8.2k ohm
R228	119-1041-15	1/10W 100k ohm
R229	119-1041-15	1/10W 100k ohm
R230	032-0140-99	1/10W 39k ohm F
R231	032-0140-99	1/10W 39k ohm F
R232	032-0140-99	1/10W 39k ohm F
R233	032-0140-99	1/10W 39k ohm F
R236	032-0140-95	1/10W 20k ohm F
R237	032-0140-95	1/10W 20k ohm F
R238	032-0140-95	1/10W 20k ohm F
R239	032-0140-95	1/10W 20k ohm F
R240	119-2031-15	1/10W 20k ohm
R241	119-2031-15	1/10W 20k ohm
R243	032-0140-89	1/10W 47k ohm F
R244	119-1041-15	1/10W 100k ohm
R245	119-1001-15	1/10W 10 ohm
R246	032-0140-89	1/10W 47k ohm F
R247	032-0140-89	1/10W 47k ohm F
R249	119-1041-15	1/10W 100k ohm

Note) Some parts depend on each model. The model name is specified in the description.

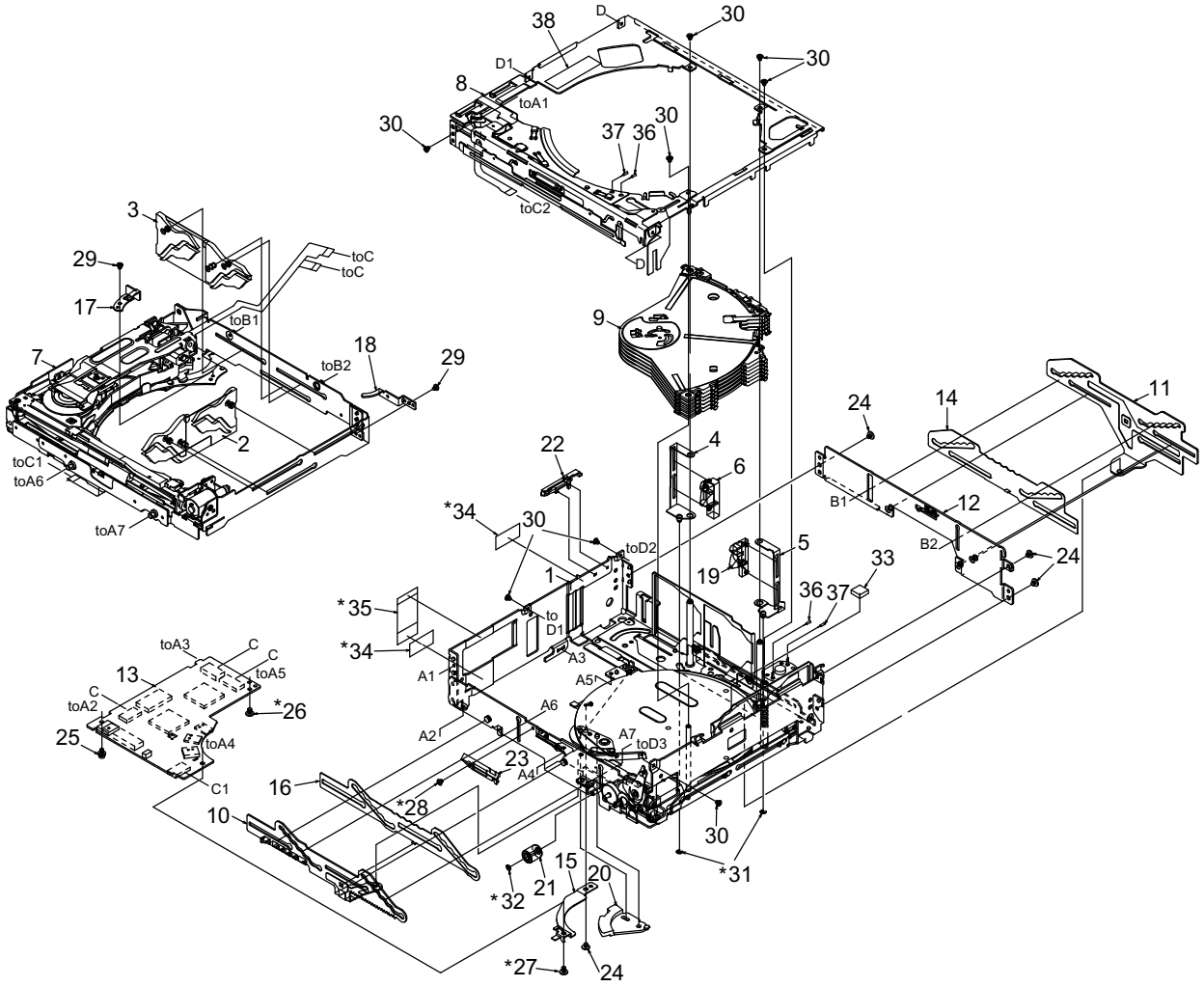
REF No.	PART No.	DESCRIPTION
R251	032-0140-89	1/10W 47k ohm F
R252	032-0140-62	1/10W 1k ohm F
R253	032-0140-62	1/10W 1k ohm F
R254	032-0140-62	1/10W 1k ohm F
R255	032-0140-62	1/10W 1k ohm F
R331	119-1021-15	1/10W 1k ohm
R332	119-1031-15	1/10W 10k ohm
R400	116-2011-15	1/4W 200 ohm
R401	119-1041-15	1/10W 100k ohm
R402	119-1031-15	1/10W 10k ohm
R403	119-9121-15	1/10W 9.1k ohm
R404	119-1021-15	1/10W 1k ohm
R405	119-1021-15	1/10W 1k ohm
R406	119-1021-15	1/10W 1k ohm
R407	119-1021-15	1/10W 1k ohm
R408	119-1041-15	1/10W 100k ohm
R409	032-0140-56	1/10W 12k ohm F
R410	032-0140-80	1/10W 18k ohm F
R411	119-1231-15	1/10W 12k ohm
R412	119-3321-15	1/10W 3.3k ohm
R413	116-5691-15	1/4W 5.6 ohm
R414	119-9121-15	1/10W 9.1k ohm
R415	119-1031-15	1/10W 10k ohm
R417	119-1031-15	1/10W 10k ohm
R418	117-2721-15	1/8W 2.7k ohm
R419	119-1521-15	1/10W 1.5k ohm
R420	119-4721-15	1/10W 4.7k ohm
R421	119-3921-15	1/10W 3.9k ohm
R423	119-3921-15	1/10W 3.9k ohm
R425	116-1221-15	1/4W 1.2k ohm
R426	116-1221-15	1/4W 1.2k ohm
R427	116-1221-15	1/4W 1.2k ohm
R428	116-1221-15	1/4W 1.2k ohm
R430	119-1031-15	1/10W 10k ohm
R431	119-2731-15	1/10W 27k ohm
R433	119-2221-15	1/10W 2.2k ohm
R436	119-2221-15	1/10W 2.2k ohm
R439	119-2231-15	1/10W 22k ohm
R440	119-1031-15	1/10W 10k ohm
R441	119-4711-15	1/10W 470 ohm
R442	119-1031-15	1/10W 10k ohm
R443	119-2231-15	1/10W 22k ohm
R444	119-1031-15	1/10W 10k ohm
R445	119-4711-15	1/10W 470 ohm
R446	119-1031-15	1/10W 10k ohm
R449	119-1031-15	1/10W 10k ohm
R451	119-1021-15	1/10W 1k ohm
R456	116-2721-15	1/4W 2.7k ohm
R457	119-2241-15	1/10W 220k ohm
R458	119-1021-15	1/10W 1k ohm
R459	119-2231-15	1/10W 22k ohm
R460	119-1041-15	1/10W 100k ohm
R461	119-1031-15	1/10W 10k ohm
R463	119-1041-15	1/10W 100k ohm
R464	119-1041-15	1/10W 100k ohm
R465	119-1041-15	1/10W 100k ohm
R466	119-5621-15	1/10W 5.6k ohm
R467	119-1831-15	1/10W 18k ohm

REF No.	PART No.	DESCRIPTION
R468	119-1041-15	1/10W 100k ohm
R469	119-1041-15	1/10W 100k ohm
R470	119-1041-15	1/10W 100k ohm
R471	119-1011-15	1/10W 100 ohm
R472	119-1231-15	1/10W 12k ohm
R473	119-4721-15	1/10W 4.7k ohm
R475	116-2011-15	1/4W 200 ohm
R476	116-2011-15	1/4W 200 ohm
R477	116-2011-15	1/4W 200 ohm
R478	032-0163-90	1/2W 47 ohm
R479	032-0163-90	1/2W 47 ohm
R503	119-8221-15	1/10W 8.2k ohm
R507	119-1021-15	1/10W 1k ohm
R509	119-1021-15	1/10W 1k ohm
R512	119-8221-15	1/10W 8.2k ohm
R513	119-4721-15	1/10W 4.7k ohm
R514	119-2231-15	1/10W 22k ohm
R515	119-8221-15	1/10W 8.2k ohm
R516	119-8221-15	1/10W 8.2k ohm
R517	119-3331-15	1/10W 33k ohm
R518	119-3331-15	1/10W 33k ohm
R519	119-3331-15	1/10W 33k ohm
R520	119-3331-15	1/10W 33k ohm
R521	119-1021-15	1/10W 1k ohm
R523	119-1021-15	1/10W 1k ohm
R529	119-1031-15	1/10W 10k ohm
R530	119-1021-15	1/10W 1k ohm
R533	119-1031-15	1/10W 10k ohm
R534	119-1031-15	1/10W 10k ohm
R539	119-1031-15	1/10W 10k ohm
R541	119-1031-15	1/10W 10k ohm
R542	119-1001-15	1/10W 10 ohm
R543	117-4711-15	1/8W 470 ohm
R544	119-2031-15	1/10W 20k ohm
R545	119-1021-15	1/10W 1k ohm
R546	119-2231-15	1/10W 22k ohm
R548	119-2231-15	1/10W 22k ohm
R549	119-4731-15	1/10W 47k ohm
R550	119-4731-15	1/10W 47k ohm
R551	119-1031-15	1/10W 10k ohm
R552	119-2231-15	1/10W 22k ohm
R553	117-4711-15	1/8W 470 ohm
R554	119-2231-15	1/10W 22k ohm
R555	117-4711-15	1/8W 470 ohm
R556	119-3331-15	1/10W 33k ohm
R557	119-1031-15	1/10W 10k ohm
R558	119-2231-15	1/10W 22k ohm
R559	119-4731-15	1/10W 47k ohm
R560	119-1031-15	1/10W 10k ohm
R561	119-2031-15	1/10W 20k ohm
R562	119-2231-15	1/10W 22k ohm
R564	117-4711-15	1/8W 470 ohm
R565	119-1041-15	1/10W 100k ohm
R568	119-1041-15	1/10W 100k ohm
R571	119-1011-15	1/10W 100 ohm
R572	119-1011-15	1/10W 100 ohm
R603	119-1011-15	1/10W 100 ohm
R608	119-3331-15	1/10W 33k ohm

REF No.	PART No.	DESCRIPTION
R609	119-1011-15	1/10W 100 ohm
R611	119-4731-15	1/10W 47k ohm
R612	119-4731-15	1/10W 47k ohm (PU-3177A Only)
R615	119-3331-15	1/10W 33k ohm
R619	119-0000-05	1/10W 0 ohm JW (PU-3176A Only)
R620	119-0000-05	1/10W 0 ohm JW (PU-3177A Only)
R621	119-1021-15	1/10W 1k ohm
R622	119-1011-15	1/10W 100 ohm
R623	119-1031-15	1/10W 10k ohm
R624	119-1011-15	1/10W 100 ohm
R625	119-1031-15	1/10W 10k ohm
R627	119-3331-15	1/10W 33k ohm
R628	119-1041-15	1/10W 100k ohm
R629	119-3331-15	1/10W 33k ohm
R630	119-3331-15	1/10W 33k ohm
R631	119-4731-15	1/10W 47k ohm (PU-3177A Only)
R632	119-3331-15	1/10W 33k ohm
R633	119-3331-15	1/10W 33k ohm
R634	119-3331-15	1/10W 33k ohm
R635	119-3321-15	1/10W 3.3k ohm
R636	119-3321-15	1/10W 3.3k ohm
R637	119-3321-15	1/10W 3.3k ohm
R639	119-1241-15	1/10W 120k ohm
R642	119-1041-15	1/10W 100k ohm
R643	119-1031-15	1/10W 10k ohm
R644	119-1241-15	1/10W 120k ohm
R646	119-1011-15	1/10W 100 ohm
R647	119-1011-15	1/10W 100 ohm
R648	119-3331-15	1/10W 33k ohm
R649	119-3331-15	1/10W 33k ohm
R650	119-3331-15	1/10W 33k ohm
R652	119-6831-15	1/10W 68k ohm
R653	119-3331-15	1/10W 33k ohm
R654	119-3331-15	1/10W 33k ohm
R655	119-1231-15	1/10W 12k ohm
R656	119-1031-15	1/10W 10k ohm
R657	119-1031-15	1/10W 10k ohm
R658	119-1041-15	1/10W 100k ohm
R660	032-0148-52	1/16W 24k ohm D
R661	032-0148-52	1/16W 24k ohm D
SUP101	060-0122-91	DSP-141N-S00B
TC601	004-1589-52	TZB4R200AA10R00
TH101	002-0330-90	THERMISTOR (PU-3177A Only)
TM101	073-0762-90	TERMINAL
TM102	073-0768-90	TERMINAL
TM301	073-0762-90	TERMINAL
TM501	073-0768-90	TERMINAL
X201	061-3537-90	41.6MHz
X601	061-3561-90	AT-41CD2 3.997696MHz
PWB	039-3389-02	PWB(WITHOUT COMPONENT)

EXPLODED VIEW/PARTS LIST

Main section

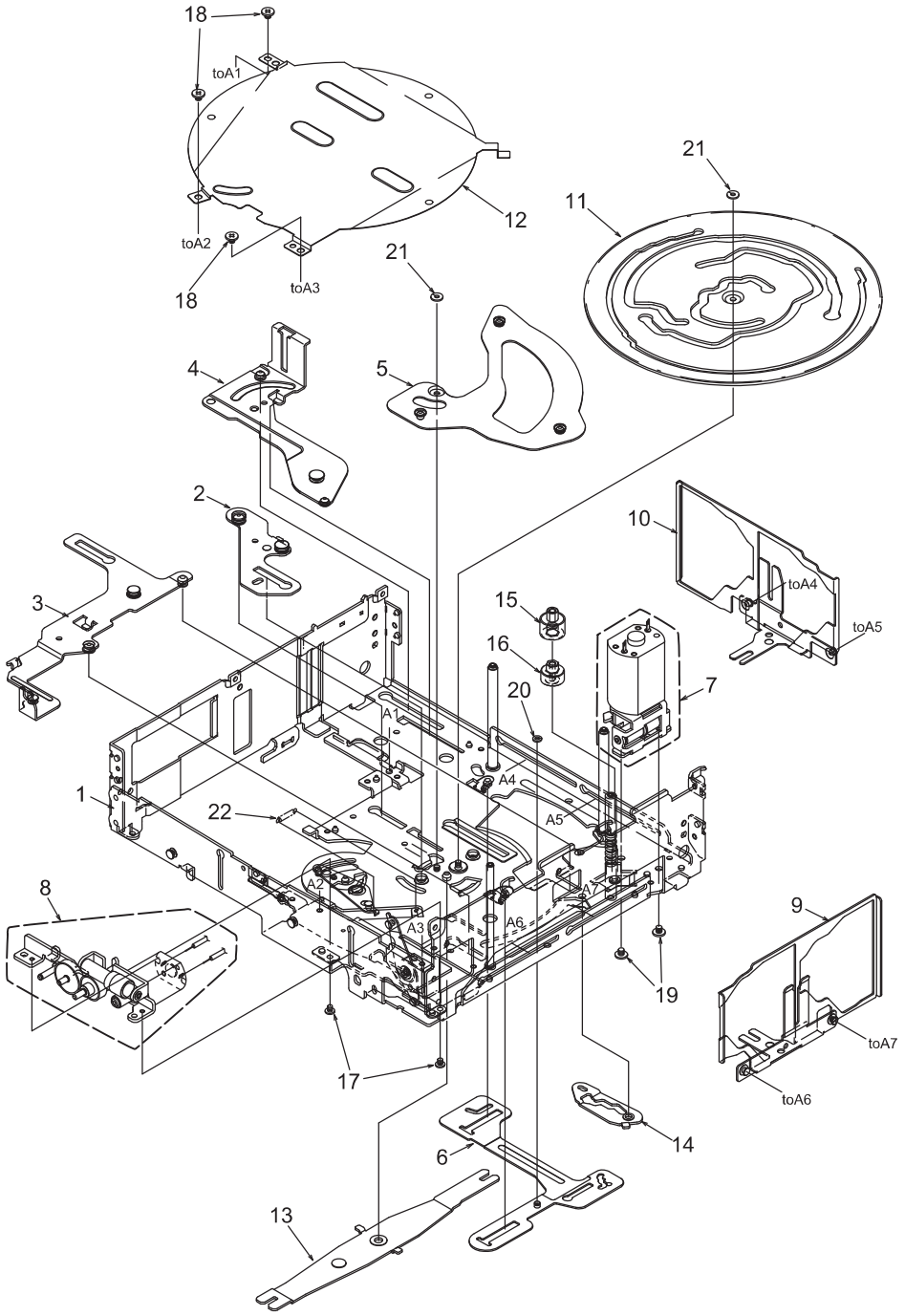


* Do not reuse the following parts.
(No.26,27,28,32,31,34,35)

NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	LOWER UNIT ASSY	1
2	HBS-617-100	KUSABI-ASSY-S	1
3	HBS-618-100	KUSABI-ASSY-R	1
4	966-1846-20	DS-SP-ASSY L	1
5	966-1847-21	DS-SP ASSY R	1
6	966-0667-21	DISC STP-ASSY L	1
7	966-1844-21	DRIVE-CH UNIT	1
8	966-1840-21	UPPER UNIT ASSY	1
9	HBS-602-100	DISCHOLDER UNIT	1
10	966-1771-21	SLIDE-P-ASSY	1
11	966-1814-21	SLIDE-P-ASSY-R	1
12	966-1874-20	REAR-P-ASSY R	1
13	HBS-621-100	CD PWB ASSY	1
14	620-1662-21	GAP PLATE R	1
15	620-1640-20	SW-H-PLATE	1
16	620-1778-20	GAP PLATE F	1
17	620-1685-21	DS-PLATE L	1
18	620-1686-20	DS-PLATE R	1
19	621-1815-20	DISC STOPPER R	1

NO.	PART NO.	DESCRIPTION	Q'TY
20	621-1812-20	SW LINK	1
21	621-1765-20	UD-GEAR-D	1
22	621-1715-20	FPC-STOPPER	1
23	621-1763-20	LOADING GUIDE B	1
24	716-1850-01	SCREW(M2.0x2)	4
25	716-3598-00	SCREW(M2.0x4)	1
26	716-3599-00	SCREW(M2.0x2 sealock)	1
27	716-3600-00	SCREW(M2.0x3 sealock)	1
28	716-3601-00	SCREW(M1.7x2 sealock)	1
29	716-3450-00	SCREW(M1.7x2.0)	2
30	716-3451-01	SCREW(M1.7x2.5)	8
31	744-0045-01	C-RING	2
32	746-0761-00	WASHER	1
33	345-5824-00	RUBBER PART	1
34	347-8230-00	PROTECT SHEET	2
35	347-8219-00	FPC-SHEET N	1
36	800-4921-60	VINYL-COAT-WIRE	1
37	802-4921-60	VINYL-COAT-WIRE	1
38	293-8575-00	MECH LABEL	1

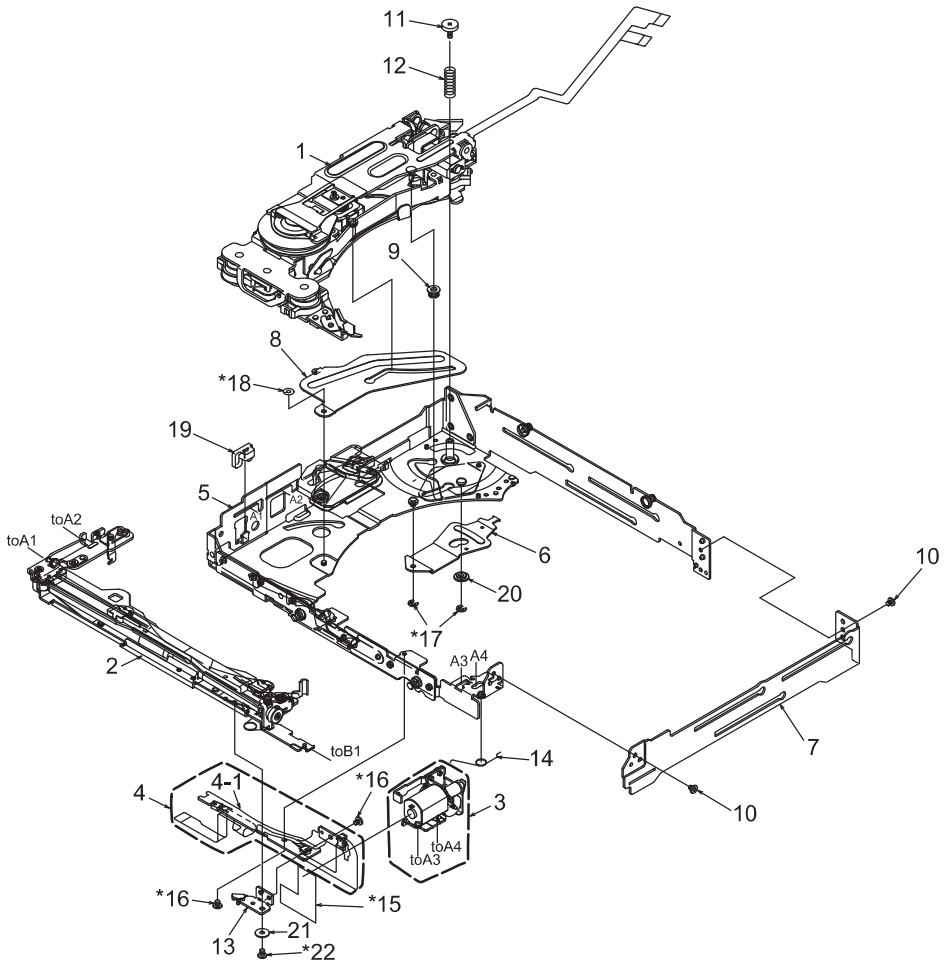
Lower unit assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-1834-24	LOWER-C-ASSY	1
2	966-0658-22	DH-SP-ASSY	1
3	966-1836-20	TATSU-P-ASSY	1
4	966-1832-20	D-SHT PL-B-ASSY	1
5	966-0659-22	DH-SP-ASSY B	1
6	966-1835-92	DS-SP-ASSY	1
7	HBS-622-100	M-MTR SUB ASSY	1
8	HBS-616-100	UD-MOTOR-ASSY	1
9	966-1872-20	INITIAL ASSY S	1
10	966-1873-20	INITIAL ASSY R	1
11	620-1623-24	CAM GEAR	1

NO.	PART NO.	DESCRIPTION	Q'TY
12	620-1624-24	GEAR COVER	1
13	620-1848-21	UD LINK	1
14	620-1847-91	DS-SHIFT LINK	1
15	621-1811-21	M-GEAR B	1
16	621-0733-20	M-GEAR C	1
17	716-3451-01	SCREW(M1.7x2.5)	2
18	716-1850-01	SCREW(M2.0x2.0)	3
19	716-1851-03	SCREW(M2.0x3.0)	2
20	746-0870-00	WASHER	1
21	746-0768-00	WASHER	2
22	750-6756-21	SW-L-SPRING	1

Drive-CH unit section

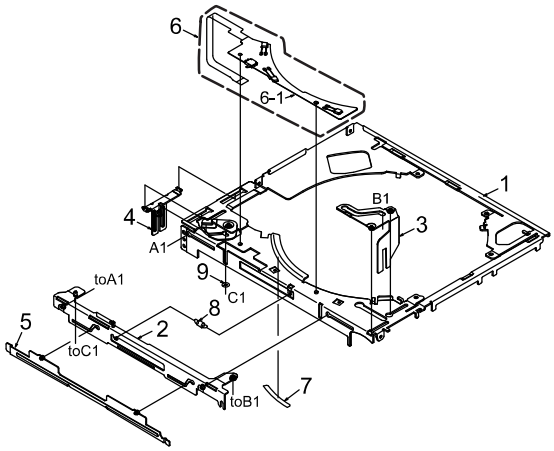


* Do not reuse the following parts.
(No.15,16,17,18,22)

NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-620-100	DRIVE UNIT	1
2	HBS-612-100	LOADING-U-ASSY	1
3	HBS-615-100	LO-MOTOR-S-ASSY	1
4	HBS-614-100	L-SEN-FPC-ASSY	1
4-1	----------	SENSOR-L-FPC	1
5	966-1828-22	DRIVE-CH A-ASSY	1
6	620-1838-21	D-SHIFT LINK A	1
7	620-1837-20	DRIVE CHASSIS B	1
8	620-1836-20	DR-SUPPORT-PL	1
9	622-1743-21	D-SHIFT ROLLERB	1
10	716-3450-00	SCREW(M1.7x2)	2
11	716-3603-00	SCREW(M1.7x5)	1

NO.	PART NO.	DESCRIPTION	Q'TY
12	750-6852-20	DRIVE SPRING A	1
13	620-1831-21	S-PWB PLATE	1
14	750-6754-20	LO-ES-SPRING B	1
15	345-5424-01	SEN-FPC GUIDE	1
16	716-3601-00	SCREW(M1.7x2 sealock)	2
17	743-1500-1B	E-RING	2
18	746-0870-00	WASHER	1
19	621-1807-00	RUBBER PART	1
20	622-1850-20	D-SHIFT ROLLERE	1
21	347-8392-00	FPC WASHER	1
22	716-3451-02	SCREW(M1.7x2.5 sealock)	1

Upper unit assy section



* Do not reuse the following parts.
(No.6,7,9)

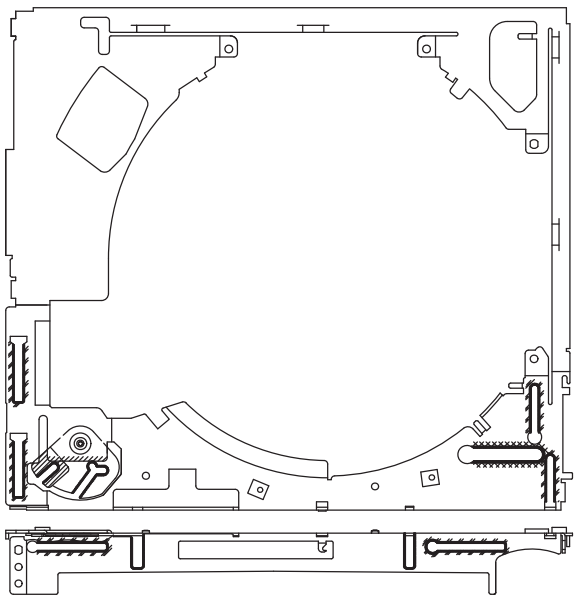
NO.	PART NO.	DESCRIPTION	Q'TY
1	966-1823-20	UPPER-CHA-ASSY	1
2	966-1824-20	LO-SHIFT A ASSY	1
3	966-1791-20	LO-SHIFT B ASSY	1
4	966-1825-20	LO-SHIFT C ASSY	1
5	966-1826-20	SHUTTER ASSY	1
6	HBS-613-100	U-SEN-FPC-ASSY	1
6-1	----------	SENSOR-U-FPC	1
7	347-8216-00	RATTLE SHEET	1
8	750-6850-20	SHUTTER SPRING	1
9	746-0870-00	WASHER	1

[Grease Point]

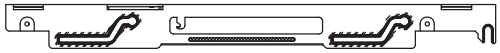
* Grease : SANKOL FG-87HSR

Put grease on the surface	
Put grease on the reverse side	
Put grease on the both sides	
Put grease on the edge	

①



②



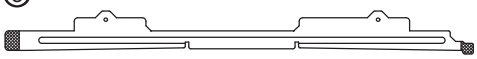
③



④



⑤



ELECTRICAL PARTS LIST

CD PWB(BM1) section

* The parts of the same reference number are alternative

REF No.	PART No.	DESCRIPTION
C1	168-1052-78	16V 1uF
C3	168-1042-78	16V 0.1uF
C4	043-0559-90	6.3V 22uF
C5	168-1032-55	0.01uF K
C6	042-1702-90	6.3V 100uF
C7	168-1052-78	16V 1uF
C9	168-1052-78	16V 1uF
C11	168-1052-78	16V 1uF
C12	042-0671-01	10V 47uF TA
C13	168-1052-78	16V 1uF
C14	168-1042-78	16V 0.1uF
C15	168-1052-78	16V 1uF
C16	043-0559-90	6.3V 22uF
C17	168-1032-55	0.01uF K
C18	168-1052-78	16V 1uF
C19	043-0559-90	6.3V 22uF
C20	168-1042-78	16V 0.1uF
C21	168-1032-55	0.01uF K
C22	168-1052-78	16V 1uF
C25	168-4732-78	0.047uF K
C26	166-4711-50	470pF CH
C27	168-1052-78	16V 1uF
C28	168-4732-78	0.047uF K
C29	166-4711-50	470pF CH
C30	166-1007-50	10pF CH
C31	166-1007-50	10pF CH
C32	168-1042-78	16V 0.1uF
C33	168-2222-55	2200pF K
C34	168-1042-78	16V 0.1uF
C35	168-1042-78	16V 0.1uF
C36	168-1042-78	16V 0.1uF
C37	168-6822-55	6800pF K
C39	168-1042-78	16V 0.1uF
C40	168-3332-78	0.033uF K
C41	168-1042-78	16V 0.1uF
C42	168-1042-78	16V 0.1uF
C43	168-1042-78	16V 0.1uF
C45	168-1042-78	16V 0.1uF
C46	168-1042-78	16V 0.1uF
C48	168-1042-78	16V 0.1uF
C49	168-1042-78	16V 0.1uF
C50	168-1042-78	16V 0.1uF
C51	168-1042-78	16V 0.1uF
C52	168-5622-55	5600pF K
C53	168-1042-78	16V 0.1uF
C54	166-6801-50	68pF CH
C55	168-1532-55	0.015uF K
C56	168-1042-78	16V 0.1uF
C57	168-1032-55	0.01uF K
C58	168-1042-78	16V 0.1uF
C59	168-1042-78	16V 0.1uF
C60	168-1522-55	1500pF K
C61	168-3322-55	3300pF K
C62	168-1032-55	0.01uF K
C64	168-1042-78	16V 0.1uF
C67	168-1032-55	0.01uF K
C69	168-1532-55	0.015uF K
C70	166-4701-50	47pF CH
C71	168-1042-78	16V 0.1uF

REF No.	PART No.	DESCRIPTION
C72	168-1042-78	16V 0.1uF
C74	166-6097-50	6pF CH
C75	168-1042-78	16V 0.1uF
C76	168-5622-55	5600pF K
C77	168-1032-55	0.01uF K
C101	043-0563-90	16V 47uF
CCT1	050-0145-59	1/16W 22 ohm x4
CCT2	050-0145-54	1/16W 47k ohm x4
CCT3	050-0145-54	1/16W 47k ohm x4
CCT4	050-0145-55	1/16W 10k ohm x4
CCT5	050-0140-55	1/32W 2.2k ohmx4J
D1	001-4301-14	HZU 3.0B1
D1	001-0529-14	MA8030-L
D2	001-0367-91	1SS226
D3	001-4301-13	HZU 2.7B2
D3	001-0529-13	MA8029-H
D4	001-4301-18	HZU 3.6B1
D4	001-0529-18	MA8036-L
IC2	052-5077-02	TMP91CY22IFG-7AA1
IC3	051-6733-00	TC94A73MFG-201
IC4	051-6060-08	BD7961FM-E2
IC8	051-9402-78	BR93L56RFVM-W
IC9	051-6072-08	BD7931FE2
IC10	051-5833-00	GP1S093HCZ
IC11	051-3392-90	S-1323B15NB-N8ATFG
J1	074-1237-69	SOCKET 19P
J2	074-1201-65	SOCKET 15P
J3	074-1138-56	SOCKET 6P
J4	074-1100-61	SOCKET 11P
J5	074-1201-61	SOCKET 11P
Q1	060-0252-01	PT4850F
Q2	125-0021-91	DTA114EUA
Q3	198-3018-00	2SK3018
Q4	190-2060-00	2SA2060
Q8	190-2060-00	2SA2060
Q9	125-9026-90	IMF29
Q10	125-2027-91	DTC114EUA
Q11	125-0021-91	DTA114EUA
Q12	125-2027-91	DTC114EUA
Q13	125-9026-90	IMF29
R1	119-6811-15	1/10W 680 ohm
R2	119-6811-15	1/10W 680 ohm
R3	032-0163-91	1/2W 10 ohm
R4	032-0163-91	1/2W 10 ohm
R5	119-2231-15	1/10W 22k ohm
R6	116-1001-15	1/4W 10 ohm
R7	119-1021-15	1/10W 1k ohm
R8	116-1591-15	1/4W 1.5 ohm
R9	119-2231-15	1/10W 22k ohm
R10	119-4711-15	1/10W 470 ohm
R11	119-2211-15	1/10W 220 ohm
R12	119-6811-15	1/10W 680 ohm
R13	119-1011-15	1/10W 100 ohm
R14	119-2231-15	1/10W 22k ohm
R15	119-8231-15	1/10W 82k ohm
R16	119-1041-15	1/10W 100k ohm
R17	119-1041-15	1/10W 100k ohm
R18	119-1041-15	1/10W 100k ohm

REF No.	PART No.	DESCRIPTION
R19	119-1041-15	1/10W 100k ohm
R20	119-1041-15	1/10W 100k ohm
R21	119-2221-15	1/10W 2.2k ohm
R22	119-4711-15	1/10W 470 ohm
R23	119-1051-15	1/10W 1M ohm
R24	119-2211-15	1/10W 220 ohm
R25	119-2211-15	1/10W 220 ohm
R26	119-1041-15	1/10W 100k ohm
R27	119-1051-15	1/10W 1M ohm
R28	119-1041-15	1/10W 100k ohm
R29	119-1041-15	1/10W 100k ohm
R30	119-4701-15	1/10W 47 ohm
R31	119-2201-15	1/10W 22 ohm
R32	119-1051-15	1/10W 1M ohm
R33	119-2211-15	1/10W 220 ohm
R35	119-1051-15	1/10W 1M ohm
R36	119-4721-15	1/10W 4.7k ohm
R37	119-4731-15	1/10W 47k ohm
R38	119-2231-15	1/10W 22k ohm
R39	119-1041-15	1/10W 100k ohm
R40	119-4721-15	1/10W 4.7k ohm
R41	119-4731-15	1/10W 47k ohm
R43	119-4731-15	1/10W 47k ohm
R44	119-2201-15	1/10W 22 ohm
R45	119-1511-15	1/10W 150 ohm
R46	119-4721-15	1/10W 4.7k ohm
R48	119-1041-15	1/10W 100k ohm
R49	119-2211-15	1/10W 220 ohm
R50	119-2211-15	1/10W 220 ohm
R51	119-0000-05	1/10W 0 ohm JW
R53	119-5621-15	1/10W 5.6k ohm
R55	119-3341-15	1/10W 330k ohm
R56	119-4731-15	1/10W 47k ohm
R57	119-2231-15	1/10W 22k ohm
R58	119-2211-15	1/10W 220 ohm
R59	119-1511-15	1/10W 150 ohm
R60	119-4731-15	1/10W 47k ohm
R61	119-1041-15	1/10W 100k ohm
R62	119-1041-15	1/10W 100k ohm
R63	119-1041-15	1/10W 100k ohm
R64	119-1011-15	1/10W 100 ohm
R65	119-1041-15	1/10W 100k ohm
R66	117-5611-15	1/8W 560 ohm
R67	116-3311-15	1/4W 330 ohm
R68	116-3311-15	1/4W 330 ohm
R81	116-1591-15	1/4W 1.5 ohm
R101	119-0000-05	1/10W 0 ohm JW
R102	119-0000-05	1/10W 0 ohm JW
R103	119-0000-05	1/10W 0 ohm JW
R211	119-1041-15	1/10W 100k ohm
R212	119-1041-15	1/10W 100k ohm
S1	013-7416-50	SW SPVL110200
S2	013-7416-50	SW SPVL110200
S3	013-7412-50	SPVG21
S4	013-7415-50	SPVG110400
X1	061-3534-90	16.92MHz
X3	060-1545-90	20MHz
PWB	039-3058-20	PWB(WITHOUT COMPONENT)

Sensor-L-PFC(BM2) section

REF No.	PART No.	DESCRIPTION
PT1	060-0252-01	PT14850F
PT2	060-0252-01	PT14850F
PT3	051-5833-00	GP1S093HCZ

REF No.	PART No.	DESCRIPTION
PWB	039-3003-20	PWB(WITHOUT COMPONENTS)

Sensor-U-PFC(BM3) section

REF No.	PART No.	DESCRIPTION
LED1	001-7077-00	GL4804
LED2	001-7042-00	GL4800

REF No.	PART No.	DESCRIPTION
LED3	001-7042-00	GL4800
S5	013-7417-50	ABC1122P161

REF No.	PART No.	DESCRIPTION
PWB	039-3004-20	PWB(WITHOUT COMPONENTS)