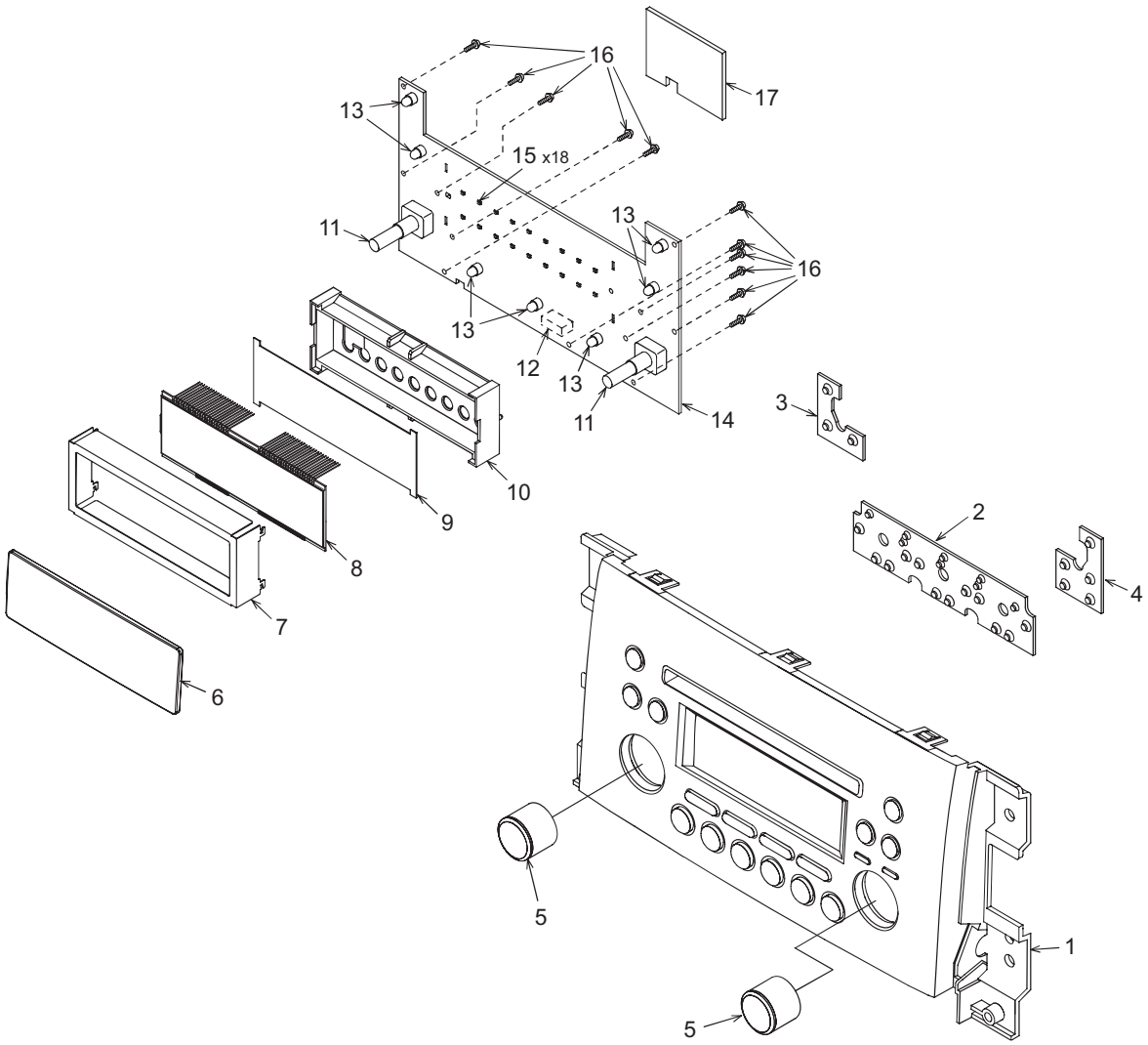
EXPLODED VIEW / PARTS LIST

Escutcheon section



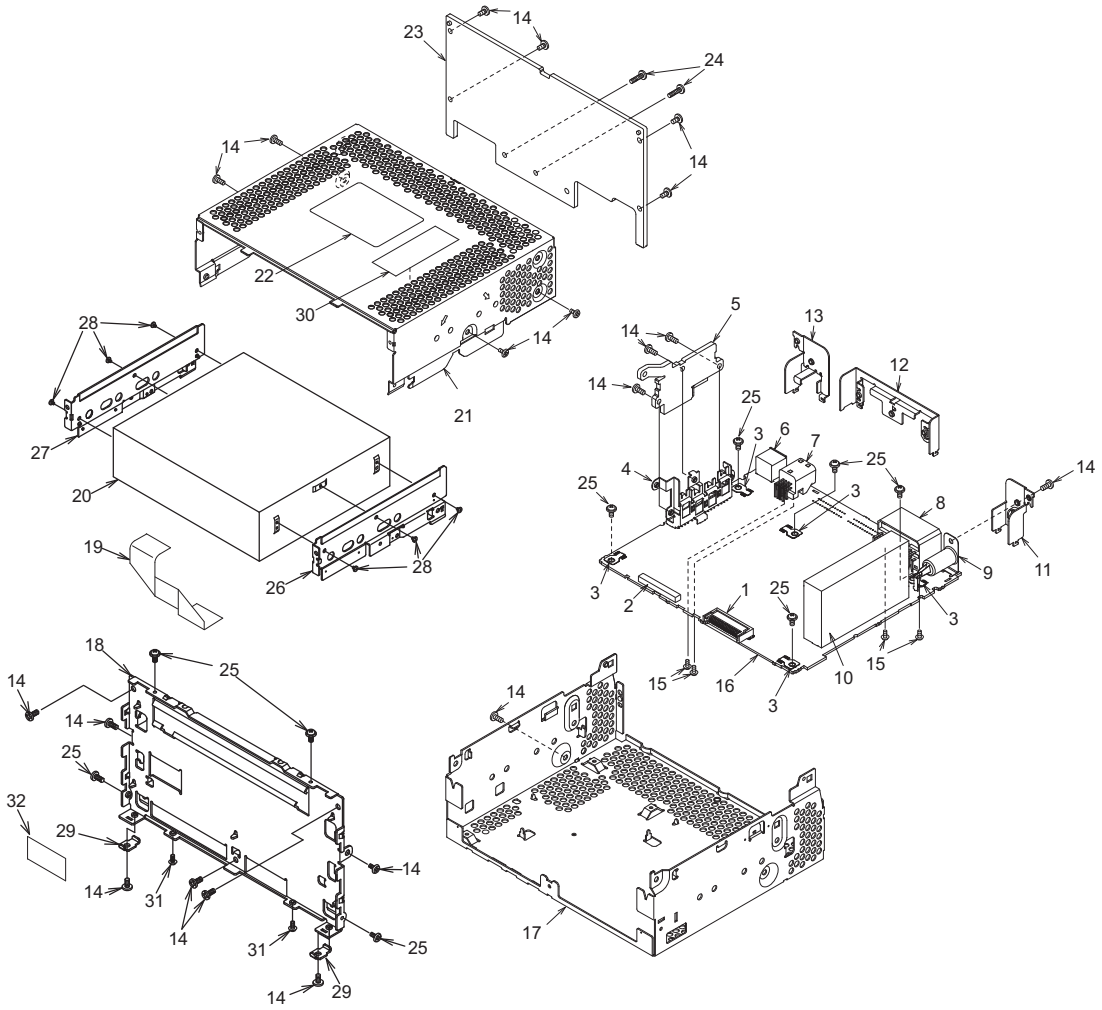
NOTE)Clamping torque value of a screw is 0.4 +0.08/-0.08 Newton meter.

※ Some parts depend on each model. The model name is specified in the descripion.
3181D-A/B : PS-3181D-A.PS3181D-B , 3181D-C/D : PS-3181D-C.PS-3181D-D
3181D-A/C : PS-3181D-A.PS3181D-C , 3181D-B/D : PS-3181D-B.PS-3181D-D
3182D-A/C : PS-3182D-A.PS3182D-C , 3182D-B/D : PS-3182D-B.PS-3182D-D
3182D-A/B : PS-3182D-A.PS3182D-B , 3182D-C/D : PS-3182D-C.PS-3182D-D

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8229-22 940-8229-23	ES-ASSY (3181D-A/C,3182D-A/C) ES-ASSY (3181D-B/D,3182D-B/D)	1
2	345-5782-11	RUBBER SW (A)	1
3	345-5783-00	RUBBER SW (B)	1
4	345-6227-00	RUBBER SW (D)	1
5	380-5610-00	KNOB	2
6	373-1175-00	DIAL COVER	1
7	331-4550-01	LCD COVER	1
8	379-1412-80 379-1429-50	INDICATOR (LCD) (3181D-A/B,3182D-A/B) INDICATOR (LCD) (3181D-C/D,3182D-C/D)	1

NO.	PART NO.	DESCRIPTION	Q'TY
9	335-8274-00	COLOR FILTER	1
10	335-8273-00	LCD HOLDER	1
11	016-0018-17	VR W/SHAFT	2
12	074-3013-74	OUTLET SOCKET	1
13	017-0420-43	PILOTLAMP	7
14	----------	Switch PWB	1
15	001-7094-91	LED (RED)	18
16	716-0778-51	WAVE SCREW(2 x 6)	11
17	345-6272-00	PROTECTOR	1

Main section



Note)Clamping torque value of a screw is 0.4 +0.08/-0.08 Newton meter.

Note) 3181D-A:PS-3181D-A,3181D-B:PS3181D-B,3181D-C:PS-3181D-C,3181D-D: PS-3181D-D
3182D-A:PS-3182D-A,3182D-B:PS3182D-B,3182D-C:PS-3182D-C,3182D-D: PS-3182D-D

NO.	PART NO.	DESCRIPTION	Q'TY
1	076-3011-74	PLUG (24P)	1
2	074-1237-69	OUTLET SOCKET (19P)	1
3	073-0762-90	TERMINAL	5
4	331-4126-00	TR HOLDER	1
5	313-1966-00	SUB HEAT SINK	1
6	074-1194-00	OUTLET SOCKET (Ce-NET)	1
7	074-1302-08	OUTLET SOCKET (8P)	1
8	074-4007-20	OUTLET SOCKET (20P)	1
9	092-0702-50	ANT-RECEPT	1
10	941-0221-70	TUNER PACK	2
11	331-4549-00	ANT HOLDER	1
12	331-4548-00	IC HOLDER	1
13	331-4547-00	SOCKET HOLDER	1
14	714-2606-8B	MACHINE SCREW (M2.6x6)	20
15	778-3006-00	TAP-SCREW (3x6)	4
16	----------	Main PWB	1
17	311-1919-70	LOWER CASE	1
18	309-0836-12	ES PLATE	1

NO.	PART NO.	DESCRIPTION	Q'TY
19	816-4055-50	FLAT WIRE (CD)	1
20	929-0420-80	CD-MECH (6CD)	1
21	310-1826-60	UPPER CASE	1
22	276-0586-04	SETPLATE (3181D-A)	1
	276-0586-05	SETPLATE (3181D-B)	1
	276-0273-88	SETPLATE (3181D-C)	1
	276-0273-89	SETPLATE (3181D-D)	1
	276-0586-08	SETPLATE (3182D-A)	1
	276-0586-09	SETPLATE (3182D-B)	1
	276-0273-90	SETPLATE (3182D-C)	1
	276-0273-91	SETPLATE (3182D-D)	1
23	313-1962-00	HEAT SINK	1
24	714-2610-89	MACHINE SCREW (M2.6x10)	2
25	716-0878-50	IT SCREW (M2.6x5)	9
26	331-4092-10	MECH BRKT (R)	1
27	331-4091-10	MECH BRKT (L)	1
28	716-3552-00	MACHINE SCREW (M2.3x2.5)	6
29	331-4193-20	SU-PLATE	2
30	285-1960-00	GUIDE LABEL	1
31	780-2603-06	IT SCREW (M2.6x3)	2
32	347-8651-00	PROTECTOR	1

ELECTRICAL PARTS LIST

Note) Some parts depend on each model. The model name is specified in the descripion.
3181D-A/B : PS3181D-A.PS3181D-B , 3181D-C/D : PS-3181D-C.PS3181D-D
3182D-A/B : PS3182D-A.PS3182D-B , 3182D-C/D : PS-3182D-C.PS3182D-D

Main PWB(B1) section

REF No.	PART No.	DESCRIPTION
ANT101	092-0702-50	ANT-RECEPT
BL101	941-0221-70	AM/FM TUNER
C102	168-2232-55	0.022uF K
C103	168-2232-55	0.022uF K
C104	188-1073-28	10V 100uF
C105	168-1042-78	16V 0.1uF
C106	168-1042-78	16V 0.1uF
C107	188-1073-28	10V 100uF
C108	168-1042-78	16V 0.1uF
C109	168-2232-55	0.022uF K
C111	168-3332-78	0.033uF K
C112	168-4745-79	0.47uF Z
C113	168-8232-78	0.082uF K
C114	168-8232-78	0.082uF K
C121	166-1801-50	18pF CH
C122	188-4763-38	16V 47uF
C123	168-1022-55	1000pF K
C124	042-1458-90	50V 1uF LN
C126	166-1011-50	100pF CH
C127	166-1011-50	100pF CH
C128	166-1011-50	100pF CH
C129	166-1011-50	100pF CH
C130	168-2232-55	0.022uF K
C131	188-4763-38	16V 47uF
C133	168-1042-78	16V 0.1uF
C160	168-1042-78	16V 0.1uF
C212	188-4763-38	16V 47uF
C222	168-1042-78	16V 0.1uF
C241	168-2232-55	0.022uF K
C243	188-4763-38	16V 47uF
C244	168-1042-78	16V 0.1uF
C245	168-1042-78	16V 0.1uF
C274	189-2273-29	10V 220uF
C276	043-0328-90	0.1uF
C301	178-1052-78	1uF
C302	178-1052-78	1uF
C305	178-1052-78	1uF
C306	178-1052-78	1uF
C309	168-1832-55	0.018uF K
C310	168-1832-55	0.018uF K
C311	188-2253-68	50V 2.2uF
C312	188-2253-68	50V 2.2uF
C313	188-2253-68	50V 2.2uF
C314	188-2253-68	50V 2.2uF
C318	168-1522-55	1500pF K
C319	168-1522-55	1500pF K
C334	166-4711-50	470pF CH
C335	166-4711-50	470pF CH
C346	188-1073-28	10V 100uF
C352	168-1042-78	16V 0.1uF
C353	042-1562-65	10V 220uF
C354	166-2201-50	22pF CH
C355	166-2201-50	22pF CH
C356	166-1007-50	10pF CH
C357	166-1007-50	10pF CH
C358	188-1063-38	16V 10uF
C359	188-1063-38	16V 10uF
C360	188-1063-38	16V 10uF
C361	188-1063-38	16V 10uF
C391	168-1042-78	16V 0.1uF
C392	168-1042-78	16V 0.1uF
C393	168-1042-78	16V 0.1uF
C394	168-1042-78	16V 0.1uF
C395	168-1032-55	0.01uF K
C396	163-1053-65	50V 1uF
C397	042-1624-00	16V 4700uF
C398	163-1063-35	16V 10uF
C399	163-1053-65	50V 1uF
C400	166-2201-50	22pF CH
C401	166-3911-50	390pF CH
C402	043-0570-90	16V 2.2uF K
C403	168-5632-78	16V 0.056uF
C404	043-0570-90	16V 2.2uF K
C405	188-1063-38	16V 10uF
C406	188-1073-28	10V 100uF
C407	168-1042-78	16V 0.1uF
C408	166-3911-50	390pF CH
C409	043-0570-90	16V 2.2uF K
C410	168-5632-78	16V 0.056uF
C411	043-0570-90	16V 2.2uF K
C412	168-1042-78	16V 0.1uF
C417	178-4742-78	0.47uF
C418	168-4722-55	4700pF K
C419	178-4742-78	0.47uF
C420	168-4722-55	4700pF K
C421	178-4742-78	0.47uF
C422	168-4722-55	4700pF K
C423	178-4742-78	0.47uF
C424	168-4722-55	4700pF K
C501	168-1042-78	16V 0.1uF
C502	188-4763-18	6.3V 47uF
C503	168-1032-55	0.01uF K
C504	168-1032-55	0.01uF K
C505	168-1032-55	0.01uF K
C506	168-1042-78	16V 0.1uF
C507	188-1053-68	50V 1uF
C509	168-1022-55	1000pF K
C510	168-1022-55	1000pF K
C511	168-1042-78	16V 0.1uF
C512	168-1032-55	0.01uF K
C513	189-1073-29	10V 100uF
C514	168-1042-78	16V 0.1uF
C515	166-1011-50	100pF CH
C516	188-1063-38	16V 10uF
C517	042-0559-00	5.5V 0.1F
C722	168-1042-78	16V 0.1uF
C731	172-1041-15	0.1uF
C732	188-1053-68	50V 1uF
C741	043-0328-90	0.1uF
C744	188-1073-28	10V 100uF
C761	188-1063-38	16V 10uF
C762	188-1063-38	16V 10uF
C771	188-1073-28	10V 100uF
C772	188-1063-38	16V 10uF
C811	172-1041-15	0.1uF
C821	188-1063-38	16V 10uF
CCT501	050-0140-54	1/32W 1k ohm x4J
CCT504	050-0140-54	1/32W 1k ohm x4J
CCT505	050-0140-54	1/32W 1k ohm x4J
D391	001-0580-90	1SS352
D505	001-0580-90	1SS352
D506	001-2403-90	M1F60
D507	001-4301-25	HZU4.7B1
D508	001-0466-90	S5688B
D509	001-0504-36	HZS7 A1L
D701	001-0424-31	MA4180
D702	001-0424-31	MA4180
D703	001-0424-31	MA4180
D711	001-0466-90	S5688B
D712	001-0466-90	S5688B
D731	001-0466-90	S5688B
D761	001-0504-39	HZS7 B2L (3181D-A/B,3182D-A/B)
D761	001-0504-40	HZS7 B3L (3181D-C/D,3182D-C/D)
D771	001-0347-44	MA4082M
D772	001-0347-39	MA4068H
D801	001-0592-00	RM4Z
D851	001-4301-68	HZU18B1
IC121	051-6212-18	LC72191JM-UC
IC241	051-3367-90	NJU7780U1-33-TE2
IC272	051-3334-00	NJM2396F09
IC351	051-3034-90	NJM4558V
IC391	051-2040-00	TA8276H
IC401	051-5046-90	CL7639V20
IC501	052-3220-31	M30622MGP-E72GP
IC502	051-0869-58	NJM2103M
IC503	051-9402-68	BR93L56F-W
IC504	051-6600-58	HA12187FP
IC741	051-3369-00	NJM2388F84
J241	074-1237-69	19PIN
J701	074-1194-00	13P CE-NET
J721	074-1302-08	TH8P-SOCKET
J801	074-4007-20	20P
L101	010-2003-04	30uH
L102	010-6009-76	22uH J
L103	010-6009-76	22uH J
L122	010-6009-76	22uH J
L501	010-6009-76	22uH J
L502	010-6009-76	22uH J
L801	010-8026-00	210uH
P501	076-3011-74	24P
Q121	191-1197-50	2SB1197K Q,R
Q122	191-1197-50	2SB1197K Q,R
Q123	191-1197-50	2SB1197K Q,R
Q124	192-4116-51	2SC4116 G,L
Q125	192-4116-51	2SC4116 G,L
Q241	125-0021-91	DTA114EUA
Q242	125-2027-91	DTC114EUA
Q243	193-0601-00	2SD601A
Q244	192-4116-51	2SC4116 G,L
Q245	125-2027-91	DTC114EUA
Q246	125-0021-91	DTA114EUA
Q247	125-2027-91	DTC114EUA
Q248	198-3018-00	2SK3018
Q249	198-3018-00	2SK3018
Q391	125-2027-93	DTC144EUA
Q502	190-2071-00	2SA2071 T100
Q503	192-4116-51	2SC4116 G,L
Q504	192-4116-51	2SC4116 G,L
Q505	192-4116-51	2SC4116 G,L
Q506	193-2118-50	2SD2118F5 R,S
Q701	192-4116-51	2SC4116 G,L
Q711	190-2071-00	2SA2071 T100
Q712	192-4116-51	2SC4116 G,L
Q761	192-5810-00	2SC5810 TE12L
Q762	125-0021-91	DTA114EUA
Q763	125-2027-91	DTC114EUA
Q771	192-5886-00	2SC5886
Q773	192-4116-51	2SC4116 G,L
Q775	192-4116-51	2SC4116 G,L
Q776	125-0021-91	DTA114EUA
Q777	125-2027-91	DTC114EUA
Q821	190-2071-00	2SA2071 T100
Q822	192-4116-51	2SC4116 G,L
R101	119-0000-05	1/10W 0 ohm JW
R102	119-0000-05	1/10W 0 ohm JW
R103	119-1041-15	1/10W 100k ohm
R104	119-2221-15	1/10W 2.2k ohm
R105	119-5611-15	1/10W 560 ohm
R106	119-2221-15	1/10W 2.2k ohm
R107	116-1001-15	1/4W 10 ohm
R108	119-2231-15	1/10W 22k ohm
R109	119-5121-15	1/10W 5.1k ohm
R111	166-8201-50	82pF CH

Note) Some parts depend on each model. The model name is specified in the descripion.
PS-3181D-A/B/C/D : PS3181D-A.PS3181D-B.PS-3181D-C.PS3181D-D
PS-3182D-A/B/C/D : PS3182D-A.PS3182D-B.PS-3182D-C.PS3182D-D

REF No.	PART No.	DESCRIPTION
R122	119-3321-15	1/10W 3.3k ohm
R123	119-4721-15	1/10W 4.7k ohm
R124	119-2221-15	1/10W 2.2k ohm
R125	119-1021-15	1/10W 1k ohm
R126	119-0000-05	1/10W 0 ohm JW
R127	119-5631-15	1/10W 56k ohm
R128	119-4731-15	1/10W 47k ohm
R129	119-4731-15	1/10W 47k ohm
R130	119-2221-15	1/10W 2.2k ohm
R131	119-1031-15	1/10W 10k ohm
R132	119-1031-15	1/10W 10k ohm
R133	119-2221-15	1/10W 2.2k ohm
R134	119-2221-15	1/10W 2.2k ohm
R135	119-1031-15	1/10W 10k ohm
R242	119-4731-15	1/10W 47k ohm
R243	119-1021-15	1/10W 1k ohm
R245	119-3331-15	1/10W 33k ohm
R246	119-4731-15	1/10W 47k ohm
R248	119-1041-15	1/10W 100k ohm
R250	119-3331-15	1/10W 33k ohm
R253	119-4731-15	1/10W 47k ohm
R255	119-3331-15	1/10W 33k ohm
R256	119-0000-05	1/10W 0 ohm JW
R258	119-4731-15	1/10W 47k ohm
R271	119-4731-15	1/10W 47k ohm
R276	119-0000-05	1/10W 0 ohm JW
R301	119-1021-15	1/10W 1k ohm
R302	119-1021-15	1/10W 1k ohm
R305	119-1021-15	1/10W 1k ohm
R306	119-1021-15	1/10W 1k ohm
R309	119-1021-15	1/10W 1k ohm
R310	119-1021-15	1/10W 1k ohm
R311	119-5631-15	1/10W 56k ohm
R312	119-5631-15	1/10W 56k ohm
R313	119-5631-15	1/10W 56k ohm
R314	119-5631-15	1/10W 56k ohm
R323	119-0000-05	1/10W 0 ohm JW
R324	119-0000-05	1/10W 0 ohm JW
R325	119-0000-05	1/10W 0 ohm JW
R326	119-0000-05	1/10W 0 ohm JW
R351	119-8211-15	1/10W 820 ohm
R352	119-1021-15	1/10W 1k ohm
R353	032-0140-50	1/10W 10k ohm F
R354	032-0140-50	1/10W 10k ohm F
R355	032-0140-50	1/10W 10k ohm F
R356	032-0140-50	1/10W 10k ohm F
R357	032-0140-50	1/10W 10k ohm F
R358	032-0140-50	1/10W 10k ohm F
R359	032-0140-50	1/10W 10k ohm F
R360	032-0140-50	1/10W 10k ohm F
R391	119-5631-15	1/10W 56k ohm
R392	119-1221-15	1/10W 1.2k ohm
R393	119-2221-15	1/10W 2.2k ohm
R394	119-2221-15	1/10W 2.2k ohm
R395	119-2221-15	1/10W 2.2k ohm
R396	119-2221-15	1/10W 2.2k ohm
R397	119-1031-15	1/10W 10k ohm

REF No.	PART No.	DESCRIPTION
R400	119-1031-15	1/10W 10k ohm
R401	119-2731-15	1/10W 27k ohm
R402	119-2021-15	1/10W 2k ohm
R403	119-2731-15	1/10W 27k ohm
R404	119-2021-15	1/10W 2k ohm
R405	119-0000-05	1/10W 0 ohm JW
R502	119-4721-15	1/10W 4.7k ohm
R503	119-4721-15	1/10W 4.7k ohm
R504	119-4721-15	1/10W 4.7k ohm
R510	119-4721-15	1/10W 4.7k ohm
R511	119-4721-15	1/10W 4.7k ohm
R512	119-4721-15	1/10W 4.7k ohm
R513	119-4721-15	1/10W 4.7k ohm
R514	119-1021-15	1/10W 1k ohm
R515	119-1041-15	1/10W 100k ohm
R516	119-1041-15	1/10W 100k ohm
R517	116-1001-15	1/4W 10 ohm
R520	119-4731-15	1/10W 47k ohm
R521	119-4731-15	1/10W 47k ohm
R522	119-4731-15	1/10W 47k ohm
R527	119-4721-15	1/10W 4.7k ohm
R528	032-0140-66	1/10W 220 ohm F
R529	119-1031-15	1/10W 10k ohm
R530	119-1041-15	1/10W 100k ohm
R531	119-1031-15	1/10W 10k ohm
R532	119-4721-15	1/10W 4.7k ohm
R533	119-4721-15	1/10W 4.7k ohm
R534	119-1021-15	1/10W 1k ohm
R535	119-1031-15	1/10W 10k ohm
R536	119-2221-15	1/10W 2.2k ohm
R537	119-1031-15	1/10W 10k ohm
R538	119-1031-15	1/10W 10k ohm
R539	119-1031-15	1/10W 10k ohm
R540	119-4731-15	1/10W 47k ohm
R541	119-5621-15	1/10W 5.6k ohm
R542	119-2231-15	1/10W 22k ohm
R544	119-4731-15	1/10W 47k ohm
R545	119-6831-15	1/10W 68k ohm
R546	119-1021-15	1/10W 1k ohm
R547	119-1021-15	1/10W 1k ohm
R548	119-1031-15	1/10W 10k ohm
R549	119-3341-15	1/10W 330k ohm
R550	032-0140-22	1/10W 68k ohm F
R551	032-0140-00	1/10W 56k ohm F
R552	117-6821-15	1/8W 6.8k ohm
R553	119-4731-15	1/10W 47k ohm
R554	119-4731-15	1/10W 47k ohm
R555	119-5621-15	1/10W 5.6k ohm
R556	119-1021-15	1/10W 1k ohm
R557	119-4731-15	1/10W 47k ohm
R558	119-1031-15	1/10W 10k ohm
R568	119-4731-15	1/10W 47k ohm
R570	119-4731-15	1/10W 47k ohm
R572	119-4731-15	1/10W 47k ohm
R573	----------	(PS-3181D-A/B/C/D)
R573	119-4731-15	1/10W 47k ohm
		(PS-3182D-A/B/C/D)

REF No.	PART No.	DESCRIPTION
R574	119-4731-15	1/10W 47k ohm
		(PS-3181D-A/B/C/D)
R574	----------	(PS-3182D-A/B/C/D)
R701	116-1211-15	1/4W 120 ohm
R702	116-6801-15	1/4W 68 ohm
R703	119-2231-15	1/10W 22k ohm
R704	119-2231-15	1/10W 22k ohm
R711	116-2221-15	1/4W 2.2k ohm
R712	117-1031-15	1/8W 10k ohm
R713	116-2221-15	1/4W 2.2k ohm
R714	119-1031-15	1/10W 10k ohm
R715	119-3321-15	1/10W 3.3k ohm
R726	119-1021-15	1/10W 1k ohm
R731	116-5621-15	1/4W 5.6k ohm
R732	116-4721-15	1/4W 4.7k ohm
R761	032-0092-56	1/8W 22k ohm F
R762	032-0092-31	1/8W 150k ohm F
R763	032-0092-51	1/8W 1k ohm F
R764	119-1221-15	1/10W 1.2k ohm
R771	119-0000-05	1/10W 0 ohm JW
R772	119-2231-15	1/10W 22k ohm
R773	116-1021-15	1/4W 1k ohm
R774	119-2231-15	1/10W 22k ohm
R779	116-1821-15	1/4W 1.8k ohm
R780	117-1821-15	1/8W 1.8k ohm
R781	119-0000-05	1/10W 0 ohm JW
R793	119-0000-05	1/10W 0 ohm JW
R801	119-0000-05	1/10W 0 ohm JW
R802	119-0000-05	1/10W 0 ohm JW
R821	116-1031-15	1/4W 10k ohm
R822	119-3321-15	1/10W 3.3k ohm
R823	119-1031-15	1/10W 10k ohm
R824	116-2221-15	1/4W 2.2k ohm
R825	116-2221-15	1/4W 2.2k ohm
R826	119-8221-15	1/10W 8.2k ohm
R902	119-0000-05	1/10W 0 ohm JW
R907	119-0000-05	1/10W 0 ohm JW
		(PS-3181D-A/B/C/D)
R907	----------	(PS-3182D-A/B/C/D)
R908	----------	(PS-3181D-A/B/C/D)
R908	119-0000-05	1/10W 0 ohm JW
		(PS-3182D-A/B/C/D)
SUP101	060-0122-20	DSP-141N-S00B
TC121	004-1580-10	30pF GRN
TH711	002-0318-21	THERMISTOR
TM101	073-0762-90	TERMINAL
TM501	073-0762-90	TERMINAL
TM502	073-0762-90	TERMINAL
TM801	073-0762-90	TERMINAL
TM802	073-0762-90	TERMINAL
X121	061-1066-00	7.2MHz
X501	060-1533-90	CSTCE10M0G52-RO
PWB	039-3295-00	PWB(WITHOUT COMPONENT)

Switch PWB section (B2)

Note) Some parts depend on each model. The model name is specified in the descripion.
3181D-A/-B : PS3181D-A.PS3181D-B , 3181D-C/-D : PS-3181D-C.PS3181D-D
3182D-A/-B : PS3182D-A.PS3182D-B , 3182D-C/-D : PS-3182D-C.PS3182D-D

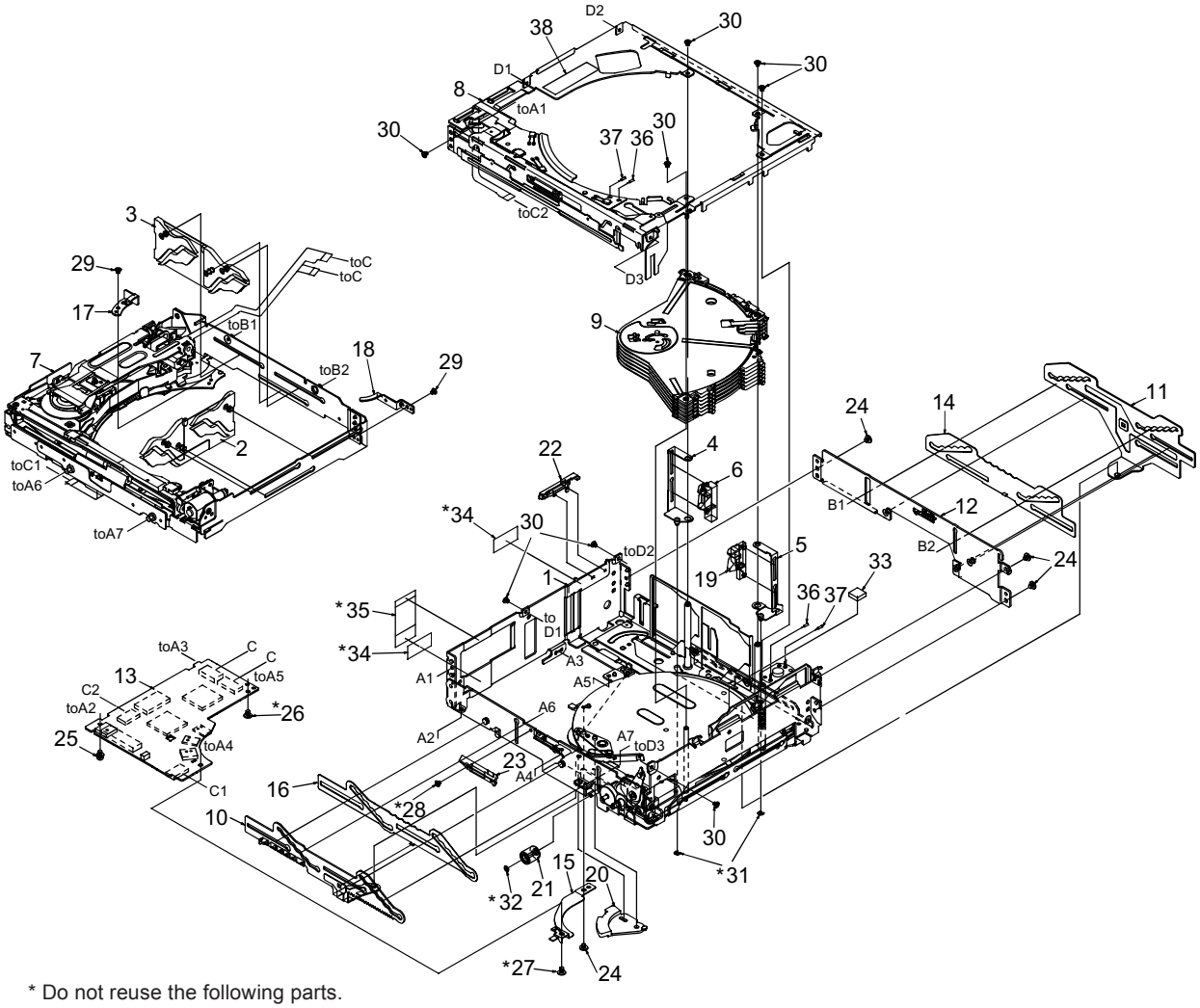
REF No.	PART No.	DESCRIPTION
C901	168-1042-78	16V 0.1uF
C902	168-1042-78	16V 0.1uF
C903	168-1042-78	16V 0.1uF
C904	168-1042-78	16V 0.1uF
C905	168-1042-78	16V 0.1uF
C906	178-1052-78	1uF
D901	001-0580-90	1SS352
D902	001-0580-90	1SS352
D903	001-0580-90	1SS352
D904	001-0580-90	1SS352
D905	001-7094-91	VFR1112H-TR
D906	001-7094-91	VFR1112H-TR
D907	001-7094-91	VFR1112H-TR
D908	001-7094-91	VFR1112H-TR
D909	001-7094-91	VFR1112H-TR
D910	001-7094-91	VFR1112H-TR
D911	001-7094-91	VFR1112H-TR
D912	001-7094-91	VFR1112H-TR
D913	001-7094-91	VFR1112H-TR
D914	001-0580-90	1SS352
D915	001-7094-91	VFR1112H-TR
D916	001-7094-91	VFR1112H-TR
D917	001-7094-91	VFR1112H-TR
D918	001-7094-91	VFR1112H-TR
D919	001-7094-91	VFR1112H-TR
D920	001-7094-91	VFR1112H-TR
D921	001-7094-91	VFR1112H-TR
D922	001-7094-91	VFR1112H-TR
D923	001-7094-91	VFR1112H-TR
IC901	051-6084-00	NJU6625FG1-03
J901	074-3013-74	24P
L901	010-3406-66	22uH J
LCD901	379-1412-80	INDICATOR(LCD) (3181D-A/-B) (3182D-A/-B)
LCD901	379-1429-50	INDICATOR(LCD) (3181D-C/-D) (3182D-C/-D)
PL901	017-0420-43	14V 40mA RED
PL902	017-0420-43	14V 40mA RED
PL903	017-0420-43	14V 40mA RED
PL904	017-0420-43	14V 40mA RED
PL905	017-0420-43	14V 40mA RED
PL907	017-0420-43	14V 40mA RED
PL908	017-0420-43	14V 40mA RED
R901	119-0000-05	1/10W 0 ohm JW
R902	119-0000-05	1/10W 0 ohm JW
R907	119-0000-05	1/10W 0 ohm JW
R908	119-0000-05	1/10W 0 ohm JW
R909	119-0000-05	1/10W 0 ohm JW
R910	119-0000-05	1/10W 0 ohm JW
R914	119-0000-05	1/10W 0 ohm JW
R917	119-0000-05	1/10W 0 ohm JW
R918	119-4341-15	1/10W 430k ohm
R919	119-1021-15	1/10W 1k ohm
R920	119-1021-15	1/10W 1k ohm
R921	119-1841-15	1/10W 180k ohm
R922	119-1841-15	1/10W 180k ohm
R923	119-1841-15	1/10W 180k ohm
R924	119-1841-15	1/10W 180k ohm

REF No.	PART No.	DESCRIPTION
R925	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R925	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R926	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R926	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R927	119-2411-15	1/10W 240 ohm (3181D-A/-B) (3182D-A/-B)
R927	119-3011-15	1/10W 300 ohm (3181D-C/-D) (3182D-C/-D)
R928	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R928	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R929	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R929	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R930	119-2411-15	1/10W 240 ohm (3181D-A/-B) (3182D-A/-B)
R930	119-3011-15	1/10W 300 ohm (3181D-C/-D) (3182D-C/-D)
R931	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R931	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R932	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R932	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R933	119-2411-15	1/10W 240 ohm (3181D-A/-B) (3182D-A/-B)
R933	119-3011-15	1/10W 300 ohm (3181D-C/-D) (3182D-C/-D)
R934	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R934	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)

REF No.	PART No.	DESCRIPTION
R935	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R935	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R936	119-2411-15	1/10W 240 ohm (3181D-A/-B) (3182D-A/-B)
R936	119-3011-15	1/10W 300 ohm (3181D-C/-D) (3182D-C/-D)
R937	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R937	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R938	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R938	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R939	119-2411-15	1/10W 240 ohm (3181D-A/-B) (3182D-A/-B)
R939	119-3011-15	1/10W 300 ohm (3181D-C/-D) (3182D-C/-D)
R940	119-0000-05	1/10W 0 ohm JW
R941	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R941	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R942	119-2211-15	1/10W 220 ohm (3181D-A/-B) (3182D-A/-B)
R942	119-2711-15	1/10W 270 ohm (3181D-C/-D) (3182D-C/-D)
R943	119-2411-15	1/10W 240 ohm (3181D-A/-B) (3182D-A/-B)
R943	119-3011-15	1/10W 300 ohm (3181D-C/-D) (3182D-C/-D)
TH901	002-0315-00	TN10-3U153JT
VR901	016-0018-17	VR W/SHAFT
VR902	016-0018-17	VR W/SHAFT
PWB	039-3292-00	PWB(WITHOUT COMPONENTS)

EXPLODED VIEW/PARTS LIST

Main section

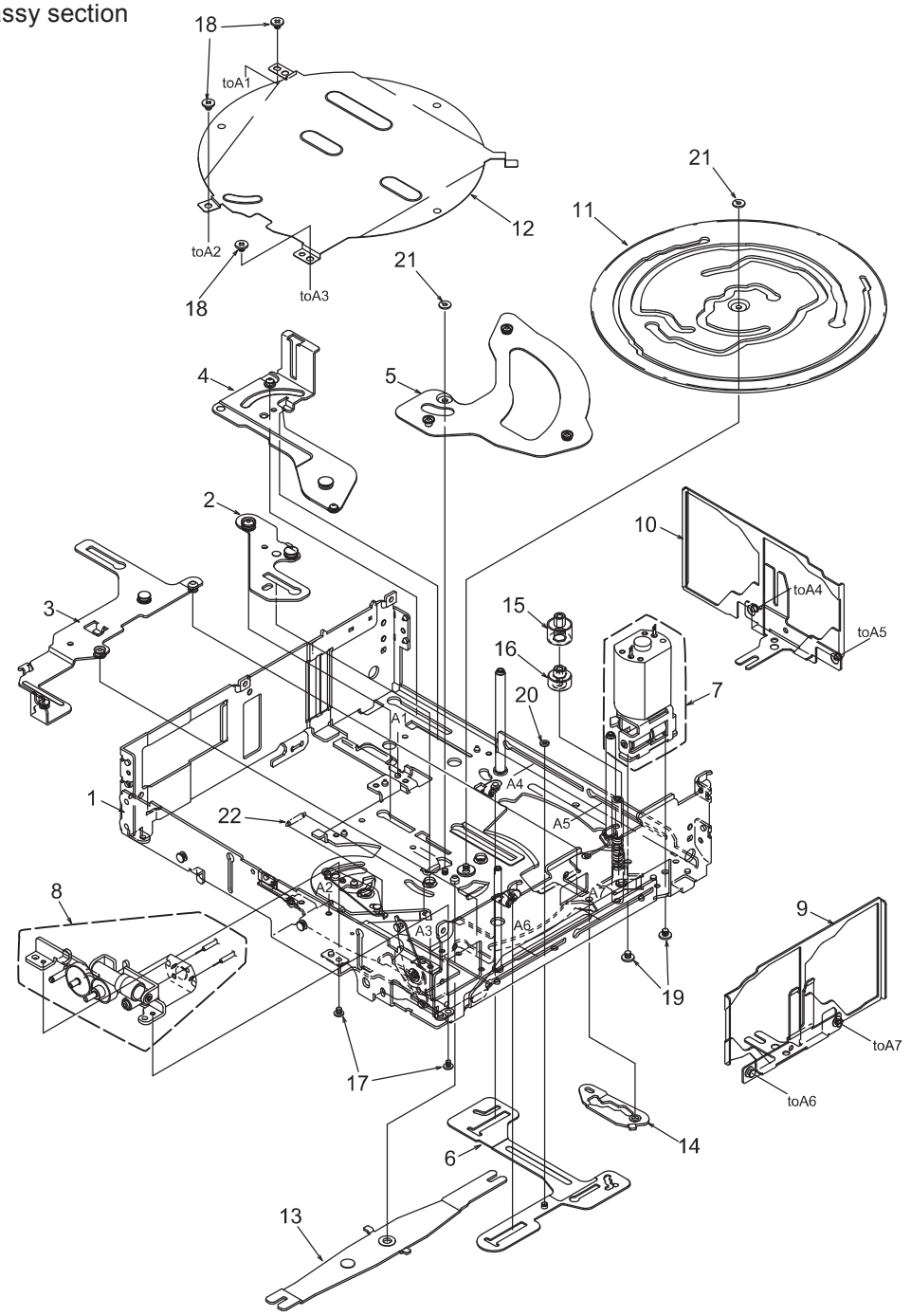


* Do not reuse the following parts.
(No.26,27,28,31,32,34,35)

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	966-1840-22	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-631-100	CD PWB ASSY	1
14	620-1662-21	GAP PLATE R	1
15	620-1640-20	SW-H-PLATE	1
16	620-1778-21	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	621-1736-20	UD-GEAR-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

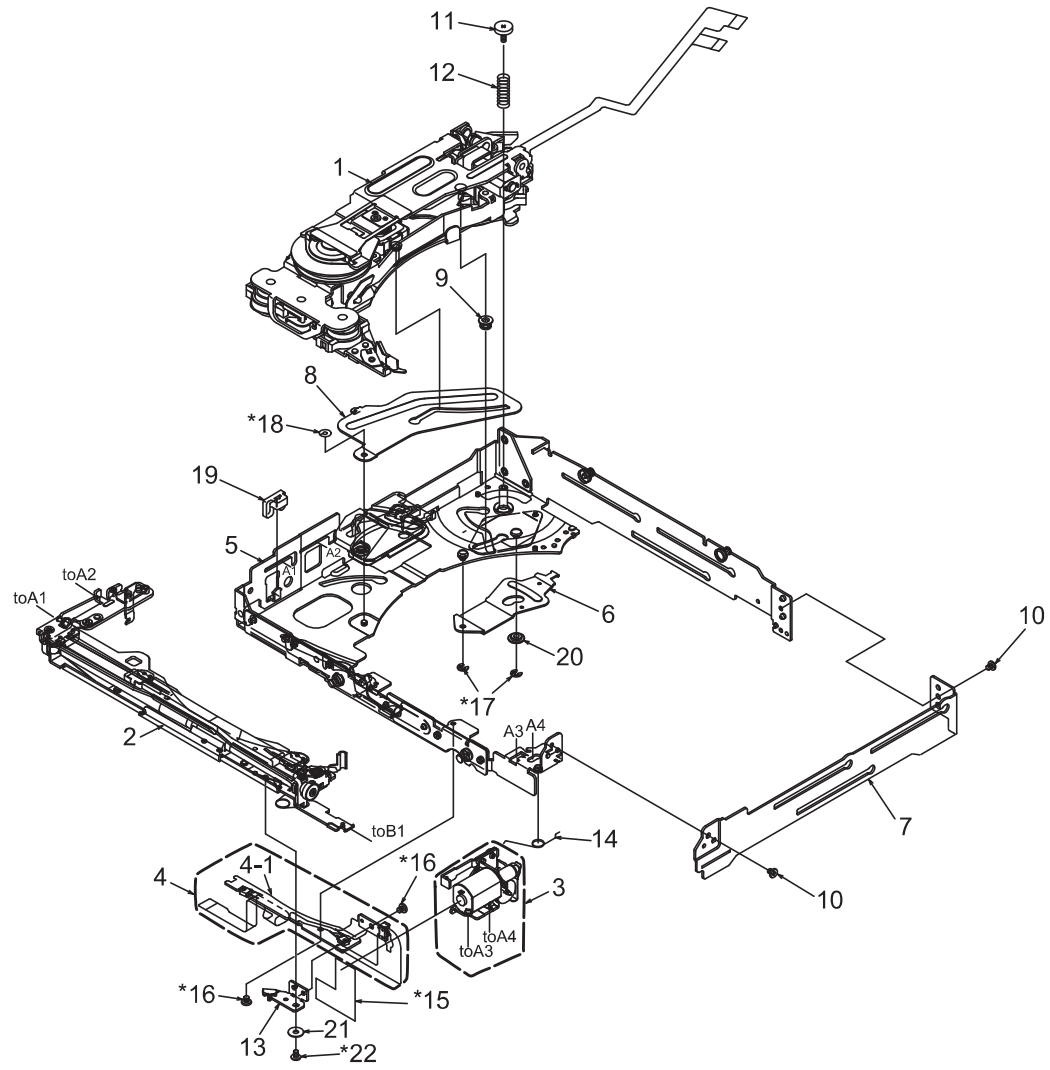
Lower unit assy section



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

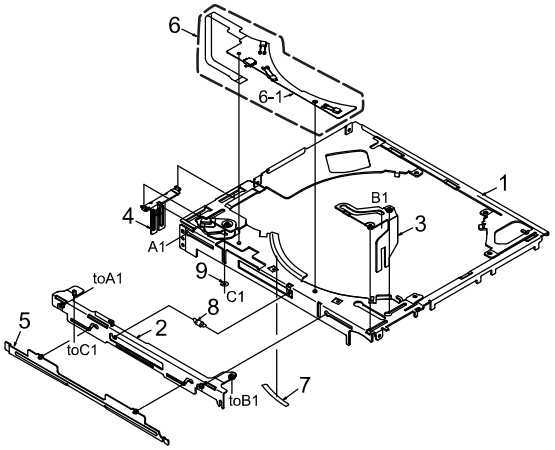


* Do not reuse the following parts.
(No.15,16,17,18,22)

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



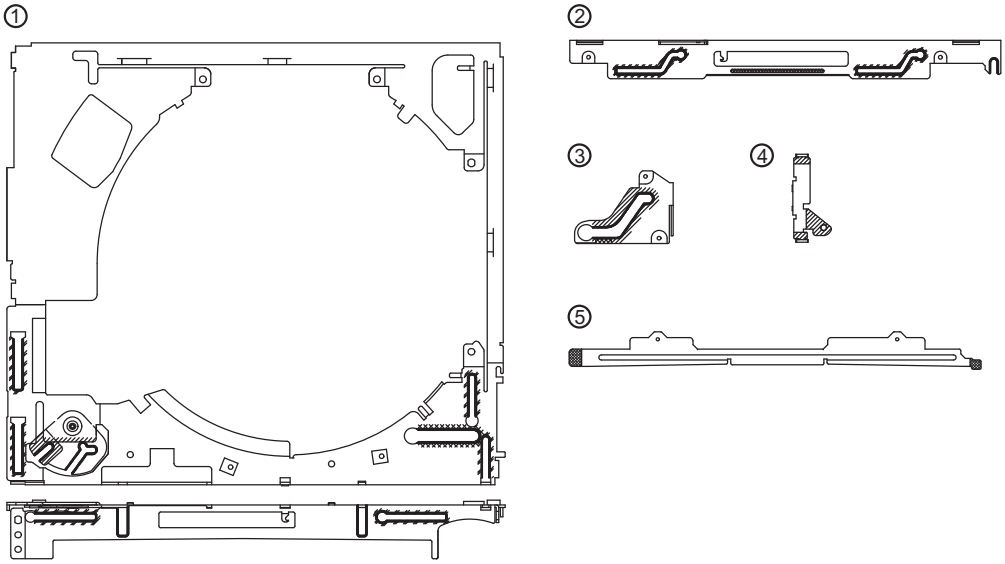
* Do not reuse the following parts.
(No.6,7,9)

NO.	PART NO.	DESCRIPTION	Q'TY
1	966-1823-21	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	



ELECTRICAL PARTS LIST

CD PWB(BM1) section

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

REF No.	PART No.	DESCRIPTION
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

REF No.	PART No.	DESCRIPTION
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

Note) Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION
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
C65	168-1032-55	0.01uF K
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
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	052-5077-01	TMP91CY22IFG

REF No.	PART No.	DESCRIPTION
IC3	051-6733-00	TC94A73MFG-201
IC4	051-6060-08	BD7961FM-E2
IC5	051-5452-90	BD5235G
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
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

REF No.	PART No.	DESCRIPTION
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
R34	119-4731-15	1/10W 47k 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
R42	032-0140-16	1/10W 180k ohm F
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
R47	032-0140-96	1/10W 120k ohm F
R48	119-1041-15	1/10W 100k ohm
R50	119-2211-15	1/10W 220 ohm
R51	119-0000-05	1/10W 0 ohm JW
R52	119-1041-15	1/10W 100k ohm
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
R201	119-0000-05	1/10W 0 ohm JW
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
LED3	001-7042-00	GL4800

REF No.	PART No.	DESCRIPTION
S5	013-7417-50	ABC1122P161
PWB	039-3004-20	PWB(WITHOUT COMPONENTS)