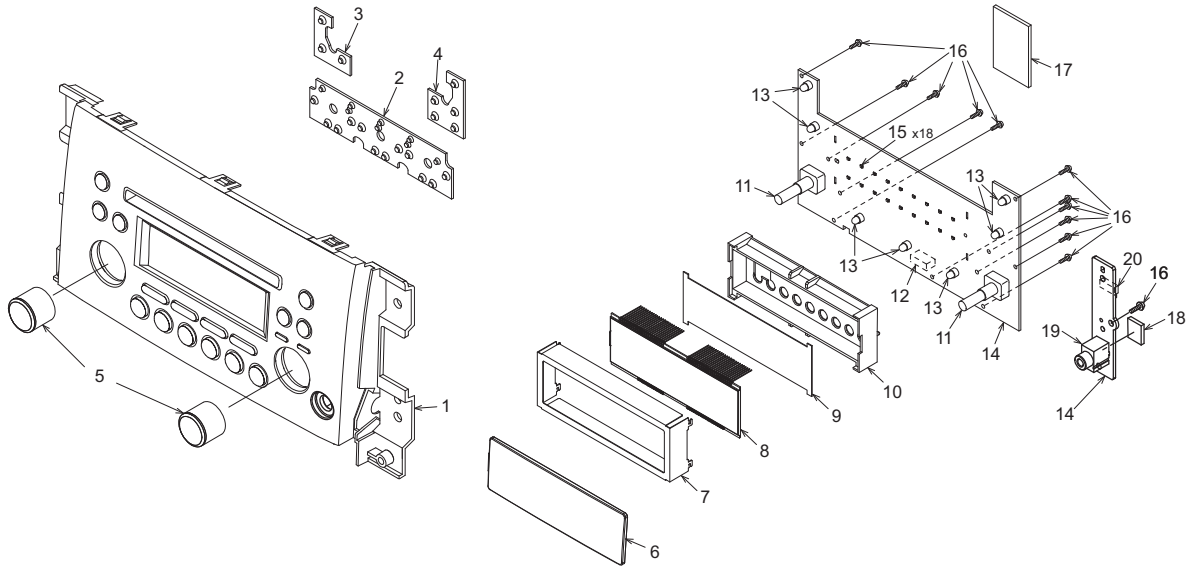
pin 95: TEL/AUX2-ON : IN : The telephone&AUX interrupt pulse input.
pin 96: VREF : IN : Reference voltage input.
pin 97: A VCC : - - : Positive voltage supply for the internal analog section.
pin 98: SD/ST : IN : At receiving the FM station, this port detects the stereo signal. At seeking or scanning, this port detects the station detection signal.
pin 99:AUX1 ON : IN : AUX ON signal input.
pin100: NU : - - : Not in use.

Table 1.

	SEL 2 (pin 84)	SEL 3 (pin 85)
YT4 (ESCUDO)	L	L
YY3 (SX4)	L	H
YN3 (SX4)	H	L
------	H	H

EXPLODED VIEW / PARTS LIST

Escutcheon section

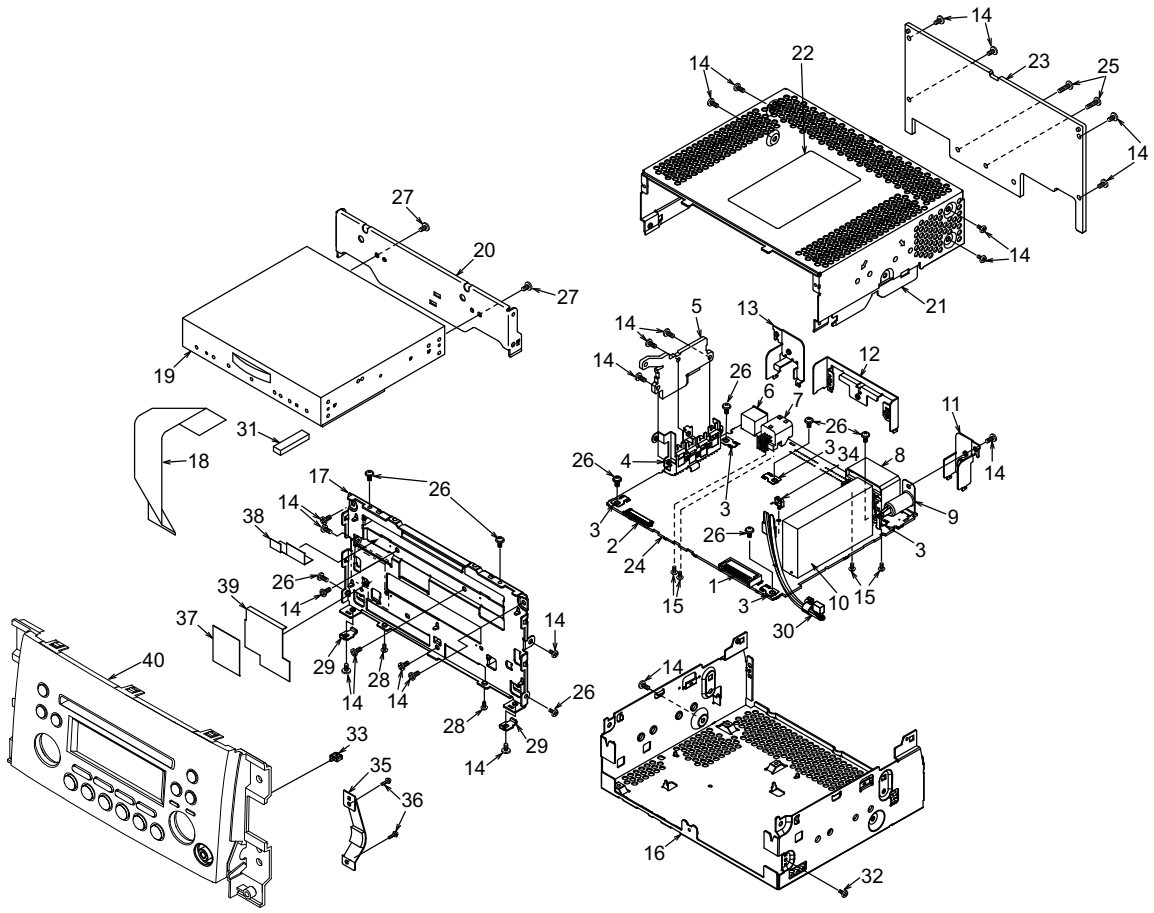


Note)Some parts depend on each model. The model name is specified in the description.
3220DA : PS-3220D-A, 3220DB : PS3220D-B, 3221DA : PS3221D-A, 3221DB : PS-3221D-B

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8478-30 940-8478-31	ES-ASSY (3220DA/3221DA) ES-ASSY (3220DB/3221DB)	1
2	345-5782-11	RUBBER SW (F)	1
3	345-5783-00	RUBBER SW (L)	1
4	345-6227-00	RUBBER SW (R)	1
5	380-5610-00	KNOB	2
6	373-1175-00	DIAL COVER	1
7	331-4550-01	LCD COVER	1
8	379-1429-50	INDICATOR (LCD)	1
9	335-8274-00	COLOR FILTER	1
10	335-8273-00	LCD HOLDER	1

NO.	PART NO.	DESCRIPTION	Q'TY
11	016-0018-17	VR W/SHAFT	2
12	074-3013-74	OUTLET SOCKET	1
13	017-0508-00	PILOTLAMP	7
14	----------	Switch PWB	1
15	001-7094-91	LED (VFR1112H-TR)	18
16	716-0778-51	WAVE SCREW (2x6)	12
17	345-6006-00	PROTECTOR	1
18	345-6382-00	PROTECTOR	1
19	075-9024-00	MINI JACK	1
20	074-6020-05	SOCKET (5P)	1

Main section



Note)Some parts depend on each model. The model name is specified in the description.
3220DA : PS-3220D-A, 3220DB : PS3220D-B, 3221DA : PS3221D-A, 3221DB : PS-3221D-B

NO.	PART NO.	DESCRIPTION	Q'TY
1	076-3011-74	PLUG (24P)	1
2	074-1189-88	SOCKET (38P)	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	SOCKET (13P)	1
7	074-1302-08	SOCKET (8P)	1
8	074-4007-20	SOCKET (20P)	1
9	092-0702-50	ANT-RECEPT	1
10	941-0236-00	TUNER PACK	1
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)	22
15	778-3006-00	TAP SCREW (3x6)	4
16	311-1986-00	LOWER CASE	1
17	309-1903-00	ES PLATE	1
18	816-3034-50	FLAT WIRE	1
19	929-5026-82	CD-MECH-MODULE	1
20	331-4123-00	CD BRKT	1
21	310-1826-50	UPPER CASE	1

NO.	PART NO.	DESCRIPTION	Q'TY
22	276-0610-04 276-0610-05 276-0610-06 276-0610-07	SETPLATE (3220DA) SETPLATE (3220DB) SETPLATE (3221DA) SETPLATE (3221DB)	1
23	313-1962-00	HEAT SINK	1
24	----------	Main PWB	1
25	714-2610-89	MACHINE SCREW (M2.6x10)	2
26	716-0878-50	IT SCREW (M2.6x5)	9
27	714-2603-8B	MACHINE SCREW (M2.6x3)	2
28	780-2603-06	IT SCREW (M2.6x3)	2
29	331-4193-20	SU-PLATE	2
30	854-8264-50	HERNESS	1
31	345-5994-00	CUSHION RUBBER	1
32	780-2604-51	SPECIAL SCREW	1
33	335-3700-00	MINI SADDLE	1
34	335-3701-00	MINI SADDLE	1
35	347-8736-00	PROTECTOR	1
36	716-0778-51	WAVE SCREW	2
37	347-8738-00	PROTECTOR (F-WIRE)	1
38	347-8737-00	PROTECTOR (ES-PLT)	1
39	347-8746-00	PROTECTOR	1
40	----------	ESCUTCHEON SECTION (Refer to page 4)	1

ELECTRICAL PARTS LIST

Main PWB(B1) section

Note)Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.
Note)Some parts depend on the each model. The model name is specifiend in the description.

REF No.	PART No.	DESCRIPTION
ANT101	092-0702-50	ANT-RECEPT
BL101	941-0236-00	AM/FM TUNER
C108	166-8201-50	82pF CH
C121	166-1801-50	18pF CH
C122	166-2211-50	220pF CH
C123	043-0554-90	25V 10uF
C126	163-1063-35	16V 10uF
C127	166-1007-50	10pF CH
C129	168-2232-55	0.022uF K
C130	168-2232-55	0.022uF K
C131	188-4763-38	16V 47uF
C132	163-1063-35	16V 10uF
C133	168-2232-55	0.022uF K
C138	168-1052-78	16V 1uF K
C142	168-4732-78	0.047uF K
C143	168-4732-78	0.047uF K
C144	043-0548-50	10V 2.2uF
C151	168-2232-55	0.022uF K
C153	168-2232-55	0.022uF K
C160	168-1042-78	16V 0.1uF K
C169	168-1522-55	1500pF K
C212	188-4763-38	16V 47uF
C222	168-1042-78	16V 0.1uF K
C243	188-4763-38	16V 47uF
C244	168-1042-78	16V 0.1uF K
C245	168-1042-78	16V 0.1uF K
C271	188-4763-38	16V 47uF
C273	043-0328-90	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
C307	178-1052-78	1uF
C308	178-1052-78	1uF
C309	168-8232-78	0.082uF K
C310	168-8232-78	0.082uF 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
C336	166-4711-50	470pF CH
C337	166-4711-50	470pF CH
C346	188-1073-28	10V 100uF
C352	168-1042-78	16V 0.1uF K
C353	042-1562-15	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
C362	166-2201-50	22pF CH
C363	163-1063-35	16V 10uF
C364	163-1063-35	16V 10uF
C365	168-1042-78	16V 0.1uF K
C367	166-1007-50	10pF CH
C368	163-1063-35	16V 10uF
C369	166-2201-50	22pF CH
C370	163-1063-35	16V 10uF
C371	166-1007-50	10pF CH

REF No.	PART No.	DESCRIPTION
C391	168-1042-78	16V 0.1uF K
C392	168-1042-78	16V 0.1uF K
C393	168-1042-78	16V 0.1uF K
C394	168-1042-78	16V 0.1uF K
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 K
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 K
C408	166-3911-50	390pF CH
C409	043-0570-90	16V 2.2uF K
C410	168-5632-78	16V 0.056uF K
C411	043-0570-90	16V 2.2uF K
C412	168-1042-78	16V 0.1uF K
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 K
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 K
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 K
C512	168-1032-55	0.01uF K
C513	189-1073-29	10V 100uF
C514	168-1042-78	16V 0.1uF K
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 K
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
D106	001-0580-90	1SS352
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

REF No.	PART No.	DESCRIPTION
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	001-0504-40	HZS7 B3L
D771	001-0347-44	MA4082M
D772	001-0347-39	MA4068H
D801	001-0592-00	RM4Z
D851	001-4301-68	HZU18B1
IC104	051-3519-90	NJU7771F05-TE2
IC121	051-6212-18	LC72191JM-UC
IC241	051-3395-90	NJU7780U1-15-TES
IC271	051-3333-00	NJM2396F05
IC272	051-3366-00	NJM2396F08
IC351	051-3034-90	NJM4558V
IC352	051-3034-90	NJM4558V
IC391	051-2040-00	TA8276H
IC401	051-5046-90	CL7639V20
IC501	052-3227-21	M30624MGP-E68GP
IC502	051-0869-58	NJM2103M
IC503	051-9402-68	BR93L56F-W
IC504	051-6600-58	HA12187FP
IC741	051-3369-00	NJM2388F84
J221	074-1189-88	38P
J701	074-1194-00	13P CE-NET
J721	074-1302-08	8P
J801	074-4007-20	20P
L104	010-2003-04	30uH
L122	010-6009-76	22uH J
L135	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
Q106	125-2026-91	UNR5211G
Q107	125-2026-91	UNR5211G
Q391	125-2027-93	DTC144EUA
Q502	190-2071-00	2SA2071
Q503	192-4116-51	2SC4116 G,L
Q503	192-4155-51	2SC4155A
Q503	193-1819-50	2SD1819
Q504	192-4116-51	2SC4116 G,L
Q504	192-4155-51	2SC4155A
Q504	193-1819-50	2SD1819
Q505	192-4116-51	2SC4116 G,L
Q505	192-4155-51	2SC4155A
Q505	193-1819-50	2SD1819
Q506	193-2118-50	2SD2118F5 R,S
Q701	192-4116-51	2SC4116 G,L
Q701	192-4155-51	2SC4155A
Q701	193-1819-50	2SD1819
Q711	190-2071-00	2SA2071
Q712	192-4116-51	2SC4116 G,L
Q712	192-4155-51	2SC4155A
Q712	193-1819-50	2SD1819
Q761	192-5810-00	2SC5810 TE12L
Q762	125-0021-91	DTA114EUA
Q762	125-0025-92	RN2302
Q762	125-0034-92	RT1P141M
Q763	125-2027-91	DTC114EUA
Q763	125-2032-92	RN1302
Q763	125-2041-92	RT1N141M
Q771	192-5886-00	2SC5886
Q773	192-4116-51	2SC4116 G,L
Q773	192-4155-51	2SC4155A
Q773	193-1819-50	2SD1819
Q775	192-4116-51	2SC4116 G,L

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
Q775	192-4155-51	2SC4155A
Q775	193-1819-50	2SD1819
Q776	125-0021-91	DTA114EUA
Q776	125-0025-92	RN2302
Q776	125-0034-92	RT1P141M
Q777	125-2027-91	DTC114EUA
Q777	125-2032-92	RN1302
Q777	125-2041-92	RT1N141M
Q821	190-2071-00	2SA2071
Q822	192-4116-51	2SC4116 G,L
Q822	192-4155-51	2SC4155A
Q822	193-1819-50	2SD1819
R107	119-5131-15	1/10W 51k ohm
R121	119-4731-15	1/10W 47k ohm
R123	119-0000-05	1/10W 0 ohm JW
R125	119-0000-05	1/10W 0 ohm JW
R126	119-4731-15	1/10W 47k ohm
R127	119-4731-15	1/10W 47k ohm
R128	119-1011-15	1/10W 100 ohm
R129	119-4731-15	1/10W 47k ohm
R130	119-0000-05	1/10W 0 ohm JW
R131	119-0000-05	1/10W 0 ohm JW
R132	119-1011-15	1/10W 100 ohm
R134	119-0000-05	1/10W 0 ohm JW
R139	119-5621-15	1/10W 5.6k ohm
R140	119-5621-15	1/10W 5.6k ohm
R221	119-4731-15	1/10W 47k ohm
R271	119-4731-15	1/10W 47k ohm
R275	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
R307	119-1021-15	1/10W 1k ohm
R308	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
R362	032-0140-50	1/10W 10k ohm F
R363	032-0140-50	1/10W 10k ohm F
R364	032-0140-50	1/10W 10k ohm F
R365	032-0140-50	1/10W 10k ohm F
R368	032-0140-50	1/10W 10k ohm F
R370	032-0140-50	1/10W 10k ohm F

REF No.	PART No.	DESCRIPTION
R371	032-0140-50	1/10W 10k ohm F
R372	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
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
R504	119-4721-15	1/10W 4.7k ohm
R505	119-1041-15	1/10W 100k ohm
R506	119-1041-15	1/10W 100k ohm
R507	119-4731-15	1/10W 47k ohm
R508	119-4731-15	1/10W 47k 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
R522	119-4731-15	1/10W 47k ohm
R525	119-0000-05	1/10W 0 ohm JW
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
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
R543	119-1031-15	1/10W 10k 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

REF No.	PART No.	DESCRIPTION
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	119-4731-15	1/10W 47k ohm (PS-3221D ONLY)
R574	119-4731-15	1/10W 47k ohm (PS-3220D ONLY)
R575	119-4731-15	1/10W 47k ohm
R578	119-4721-15	1/10W 4.7k ohm
R579	119-4721-15	1/10W 4.7k ohm
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 (PS-3220D ONLY)
R903	119-0000-05	1/10W 0 ohm JW (PS-3221D ONLY)
R905	119-0000-05	1/10W 0 ohm JW
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	039-3429-00	PWB(WITHOUT COMPONENT)

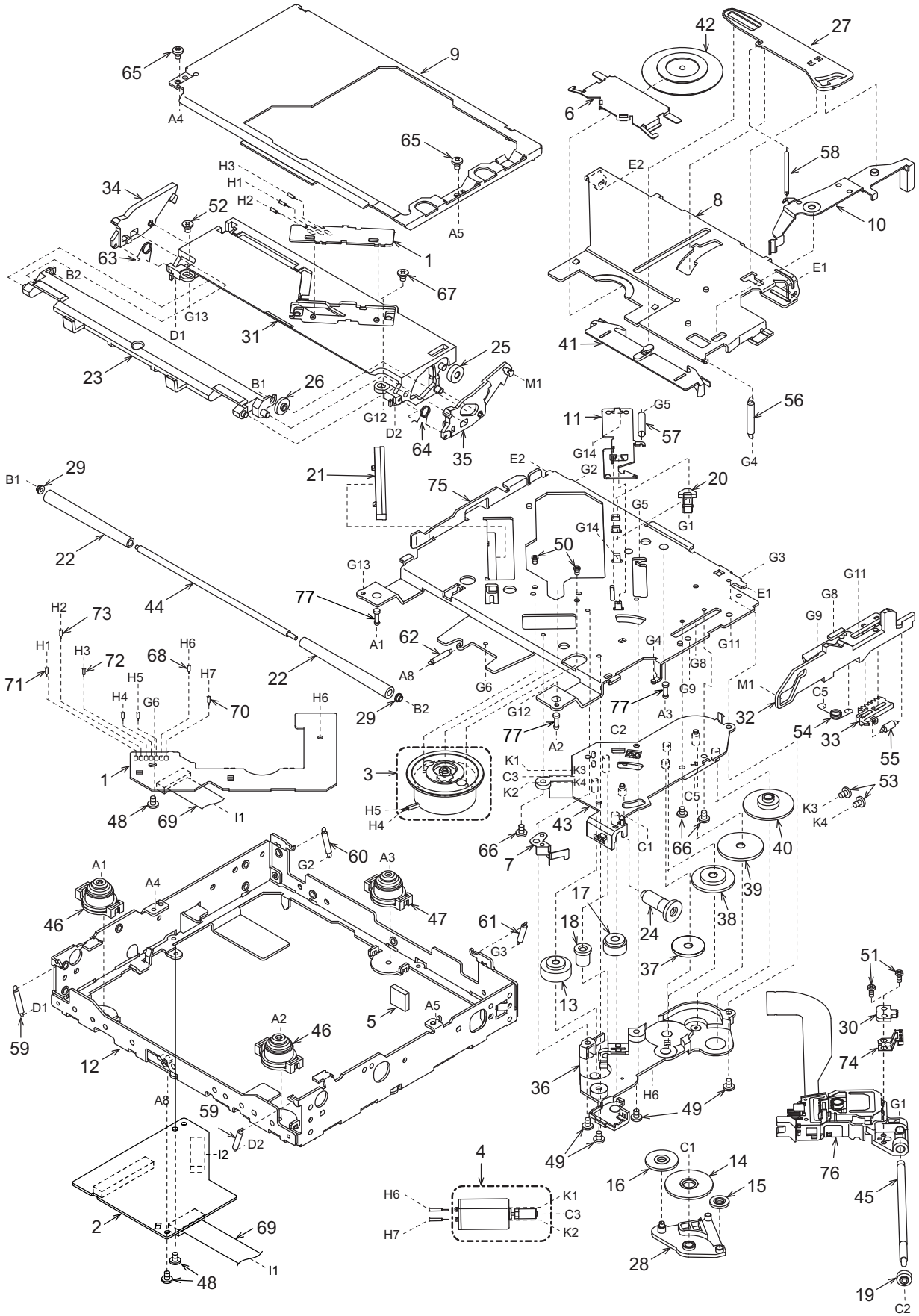
Switch PWB(B2) section

REF No.	PART No.	DESCRIPTION
C1	168-1042-78	16V 0.1uF K
C901	168-1042-78	16V 0.1uF K
C902	168-1042-78	16V 0.1uF K
C903	168-1042-78	16V 0.1uF K
C904	168-1042-78	16V 0.1uF K
C905	168-1042-78	16V 0.1uF K
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

REF No.	PART No.	DESCRIPTION
D922	001-7094-91	VFR1112H-TR
D923	001-7094-91	VFR1112H-TR
IC901	051-6084-00	NJU6625FG1-03
J1	075-9024-00	MINI-JACK
J901	074-3013-74	24P
L901	010-3406-66	22uH J
LCD901	379-1429-50	INDICATOR (LCD)
P1	076-6020-05	5P
PL901	017-0508-00	14V 40mA (RED)
PL902	017-0508-00	14V 40mA (RED)
PL903	017-0508-00	14V 40mA (RED)
PL904	017-0508-00	14V 40mA (RED)
PL905	017-0508-00	14V 40mA (RED)
PL907	017-0508-00	14V 40mA (RED)
PL908	017-0508-00	14V 40mA (RED)
R1	119-0000-05	1/10W 0 ohm JW
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
R915	119-0000-05	1/10W 0 ohm JW
R916	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

REF No.	PART No.	DESCRIPTION
R922	119-1841-15	1/10W 180k ohm
R923	119-1841-15	1/10W 180k ohm
R924	119-1841-15	1/10W 180k ohm
R925	119-2711-15	1/10W 270 ohm
R926	119-2711-15	1/10W 270 ohm
R927	119-3011-15	1/10W 300 ohm
R928	119-2711-15	1/10W 270 ohm
R929	119-2711-15	1/10W 270 ohm
R930	119-3011-15	1/10W 300 ohm
R931	119-2711-15	1/10W 270 ohm
R932	119-2711-15	1/10W 270 ohm
R933	119-3011-15	1/10W 300 ohm
R934	119-2711-15	1/10W 270 ohm
R935	119-2711-15	1/10W 270 ohm
R936	119-3011-15	1/10W 300 ohm
R937	119-2711-15	1/10W 270 ohm
R938	119-2711-15	1/10W 270 ohm
R939	119-3011-15	1/10W 300 ohm
R940	119-0000-05	1/10W 0 ohm JW
R941	119-2711-15	1/10W 270 ohm
R942	119-2711-15	1/10W 270 ohm
R943	119-3011-15	1/10W 300 ohm
TH901	002-0315-00	TN10-3U153JT
VR901	016-0018-17	ROTALY ENCODER
VR902	016-0018-17	ROTALY ENCODER
PWB	039-3434-01	PWB(WITHOUT COMPONENT)

EXPLODED VIEW/PARTS LIST



NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	SENSOR PWB	1
2	----------	CD PWB	1
3	SMA-182-100	SPINDLE MOTOR-ASSY	1
4	SMA-183-100	SLED MOTOR-ASSY	1
5	345-5476-20	CUSHION RUBBER	1
6	620-1023-23	CLAMPER PLATE	1
7	620-1026-21	SPRING PLATE	1
8	620-1596-23	CLAMPER LINK	1
9	620-1862-20	UPPER CHASSIS	1
10	620-1752-20	SENSOR ARM	1
11	620-1753-20	ID-LOCK PLATE	1
12	620-1868-20	LOWER CHASSIS	1
13	621-0608-21	SECOND GEAR	1
14	621-0609-20	BASE GEAR	1
15	621-0610-20	IDLE GEAR A	1
16	621-0611-20	IDLE GEAR B	1
17	621-0612-21	ROLLER GEAR A	1
18	621-0620-20	THREAD GEAR A	1
19	621-0621-20	THREAD GEAR B	1
20	621-0623-23	LS-HOLDER	1
21	621-0624-22	GUIDE RAIL	1
22	621-0711-21	LOADING ROLLER	2
23	621-0718-21	ROLLER GUIDE	1
24	621-0719-20	ROLLER GEAR B	1
25	621-0720-20	ROLLER GEAR C	1
26	621-0721-20	ROLLER GEAR D	1
27	621-0728-20	STOPPER LINK	1
28	621-1719-20	IDLE CASE	1
29	621-1726-20	ROLLER SLEEVE	2
30	621-1729-20	SH-BASE	1
31	621-1742-20	UPPER GUIDE	1
32	621-1743-20	SHIFT LEVER	1
33	621-1744-20	RACK	1
34	621-1745-20	LOCK ARM L	1
35	621-1746-20	LOCK ARM R	1
36	621-1747-20	GEAR COVER	1
37	621-1748-20	POWER GEAR A	1
38	621-1749-20	POWER GEAR B	1
39	621-1750-20	POWER GEAR C	1

NO.	PART NO.	DESCRIPTION	Q'TY
40	621-1751-20	POWER GEAR D	1
41	621-1752-20	DISC STOPPER	1
42	621-1753-20	CLAMPER RING	1
43	621-1754-20	GEAR BASE	1
44	622-1571-21	ROLLER SHAFT	1
45	624-0020-00	LEAD SCREW	1
46	629-0086-20	DAMPER F	2
47	629-0087-20	DAMPER R	1
48	716-1507-01	SCREW(M2x3)	3
49	716-1670-01	SCREW(M2x4)	4
50	716-1733-01	SCREW(M1.7x2.3)	2
51	716-3469-01	SCREW(1.7x4)	2
52	716-3473-01	SCREW(M2x3)	1
53	716-3551-00	SCREW(M1.4x2.5)	2
54	750-7865-20	SHIFT SPRING	1
55	750-7866-20	RACK SPRING	1
56	750-7867-20	CLAMPER SPRING	1
57	750-7868-20	ID-LOCK SPRING	1
58	750-7869-20	SENSOR SPRING	1
59	750-7870-20	DR-SPRING F	2
60	750-7871-20	DR-SPRING RA	1
61	750-7872-20	DR-SPRING RB	1
62	750-7873-20	DR-SPRING C	1
63	750-6797-20	ROLLER SPRING L	1
64	750-6798-20	ROLLER SPRING R	1
65	714-2003-8B	SCREW(M2x3)	2
66	780-2025-00	SCREW(M2x2.5)	3
67	781-1730-00	SCREW(M1.7x3)	1
68	803-4906-60	VINYL-COAT-WIRE(ORG)	1
69	816-2542-01	FLAT WIRE	1
70	816-2590-00	VINYL-COAT-WIRE(GRN)	1
71	816-2591-00	VINYL-COAT-WIRE(YEL)	1
72	816-2592-00	VINYL-COAT-WIRE(BLUE)	1
73	816-2593-00	VINYL-COAT-WIRE(PUR)	1
74	966-1722-20	SH-RACK-ASSY	1
75	620-1866-20	DRIVE-PLATE	1
76	969-0071-30	PICKUP-ASSY	1
77	622-1570-21	DAMPER PIN	3

ELECTRICAL PARTS LIST

CD PWB(BM1) section

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
C2	178-1052-78	1uF
C3	042-0627-90	16V 100uF
C4	168-1042-78	16V 0.1uF
C6	178-1052-78	1uF
C7	042-0560-85	6.3V 100uF
C8	178-1052-78	1uF
C9	166-4711-50	470pF CH
C10	168-4732-78	0.047uF K
C11	166-4711-50	470pF CH
C12	168-4732-78	0.047uF K
C14	168-1042-78	16V 0.1uF
C15	166-1007-50	10pF CH
C16	166-1007-50	10pF CH
C17	168-1042-78	16V 0.1uF
C18	168-2222-55	2200pF K
C19	168-1042-78	16V 0.1uF
C20	168-1042-78	16V 0.1uF
C22	168-6822-55	6800pF K
C24	168-3332-78	0.033uF K
C25	168-3332-78	0.033uF K
C26	168-1042-78	16V 0.1uF
C28	168-1042-78	16V 0.1uF
C29	168-1042-78	16V 0.1uF
C30	168-1042-78	16V 0.1uF
C31	168-1042-78	16V 0.1uF
C33	168-1042-78	16V 0.1uF
C34	168-1042-78	16V 0.1uF
C35	168-5622-55	5600pF K
C36	168-1042-78	16V 0.1uF
C37	168-5622-55	5600pF K
C38	166-6801-50	68pF
C39	168-1042-78	16V 0.1uF
C40	168-1532-55	0.015uF K
C41	168-1042-78	16V 0.1uF
C42	168-1032-55	0.01uF K
C43	168-1042-78	16V 0.1uF
C44	168-1042-78	16V 0.1uF
C46	168-1522-55	1500pF K
C47	168-3322-55	3300pF K
C48	168-1032-55	0.01uF K
C49	168-1042-78	16V 0.1uF
C54	168-1532-55	0.015uF K
C55	168-1042-78	16V 0.1uF
C56	168-1042-78	16V 0.1uF
C58	166-6097-50	6pF CH
C59	166-4701-50	47pF CH
C60	168-1042-78	16V 0.1uF
C63	168-1042-78	16V 0.1uF
C64	042-1709-90	6.3V 47uF
C66	168-1042-78	16V 0.1uF

REF No.	PART No.	DESCRIPTION
C68	168-1042-78	16V 0.1uF
C69	042-1710-90	6.3V 100uF
C74	042-1709-90	6.3V 47uF
C75	168-1042-78	16V 0.1uF
C77	168-1042-78	16V 0.1uF
C78	168-1022-55	1000pF K
C79	168-1022-55	1000pF K
C80	042-0423-20	10V-10uF
C81	168-1042-78	16V 0.1uF
D1	001-1305-90	DAN217UT106
IC1	051-6733-10	TC94A70FG-005
IC2	051-6079-80	BA5830FM-E2
IC3	051-3395-90	NJU7780U1-15-TES
IC4	051-3396-90	NJM2386ADL3-33-TE1
J1	074-1138-65	SOCKET (15P)
J2	074-1138-60	SOCKET (10P)
J3	074-1205-88	SOCKET (38P)
L1	119-0000-05	1/10 0ohm JW
L2	119-0000-05	1/10 0ohm JW
L3	119-0000-05	1/10 0ohm JW
L4	010-3104-50	30ohm/100MHz
L5	010-3406-66	22uH J
Q1	131-1188-50	2SB1188 Q,R
Q1	190-2060-00	2SA2060-TE12L
Q2	198-3018-00	2SK3018
Q3	198-3018-00	2SK3018
Q4	192-4155-51	2SC4155A S,T
Q5	198-3018-00	2SK3018
Q6	192-4155-51	2SC4155A S,T
Q7	198-3018-00	2SK3018
Q8	198-3018-00	2SK3018
R1	119-2211-15	1/10W 220 ohm
R2	117-6811-15	1/8W 680 ohm
R3	117-0000-05	1/8W 0 ohm JW
R4	119-1001-15	1/10W 10 ohm
R5	119-2731-15	1/10W 27k ohm
R6	119-2731-15	1/10W 27k ohm
R7	119-2221-15	1/10W 2.2k ohm
R8	119-2731-15	1/10W 27k ohm
R9	119-2731-15	1/10W 27k ohm
R10	119-1051-15	1/10W 1M ohm
R11	119-2211-15	1/10W 220 ohm
R13	119-8231-15	1/10W 82k ohm
R14	119-1531-15	1/10W 15k ohm
R15	119-8231-15	1/10W 82k ohm
R16	119-4731-15	1/10W 47k ohm
R17	119-5121-15	1/10W 5.1k ohm
R18	119-1031-15	1/10W 10k ohm
R19	119-0000-05	1/10W 0 ohm JW

REF No.	PART No.	DESCRIPTION
R20	119-5121-15	1/10W 5.1k ohm
R21	119-1031-15	1/10W 10k ohm
R22	119-2231-15	1/10W 22k ohm
R23	119-5121-15	1/10W 5.1k ohm
R24	119-1031-15	1/10W 10k ohm
R25	119-1041-15	1/10W 100k ohm
R26	119-0000-05	1/10W 0 ohm JW
R27	119-4731-15	1/10W 47k ohm
R29	119-5621-15	1/10W 5.6k ohm
R30	119-2231-15	1/10W 22k ohm
R31	119-4731-15	1/10W 47k ohm
R32	119-3341-15	1/10W 330k ohm
R33	119-1041-15	1/10W 100k ohm
R34	119-1041-15	1/10W 100k ohm
R35	119-1041-15	1/10W 100k ohm
R36	119-1011-15	1/10W 100 ohm
R38	119-1041-15	1/10W 100k ohm
R39	119-0000-05	1/10W 0 ohm JW
R41	119-4721-15	1/10W 4.7k ohm
R42	119-4721-15	1/10W 4.7k ohm
R44	119-4731-15	1/10W 47k ohm
R45	119-1031-15	1/10W 1k ohm
R46	119-4731-15	1/10W 47k ohm
R47	119-4731-15	1/10W 47k ohm
R48	119-1031-15	1/10W 10k ohm
R49	119-1031-15	1/10W 10k ohm
R50	119-2211-15	1/10W 220 ohm
R51	119-1031-15	1/10W 10k ohm
R52	119-1031-15	1/10W 10k ohm
R53	119-2211-15	1/10W 220 ohm
R54	119-3331-15	1/10W 33k ohm
R55	119-4721-15	1/10W 4.7k ohm
R56	119-3331-15	1/10W 33k ohm
R57	119-4721-15	1/10W 4.7k ohm
R58	119-3331-15	1/10W 33k ohm
R59	119-4721-15	1/10W 4.7k ohm
R60	119-3331-15	1/10W 33k ohm
R61	119-4721-15	1/10W 4.7k ohm
R62	119-3331-15	1/10W 33k ohm
R63	119-4721-15	1/10W 4.7k ohm
R64	119-1051-15	1/10W 1M ohm
R65	119-4701-15	1/10W 47 ohm
R66	119-1051-15	1/10W 1M ohm
R68	119-1031-15	1/10W 10k ohm
TM1	073-0768-90	TERMINAL
X1	061-3534-90	16.92MHz
PWB	039-3205-01	PWB(WITHOUT COMPONENTS)

SENSOR PWB(BM2) section

REF No.	PART No.	DESCRIPTION
D1	001-7058-90	AN1105W-RR
D2	001-7058-90	AN1105W-RR
J1	074-1138-60	10P

REF No.	PART No.	DESCRIPTION
Q1	060-4015-91	PS1192HB-32-TR
Q2	060-4015-91	PS1192HB-32-TR
S1	013-7414-50	CHUCKING

REF No.	PART No.	DESCRIPTION
S2	013-7413-50	LIMIT
PWB	039-1944-21	PWB(WITHOUT COMPONENTS)