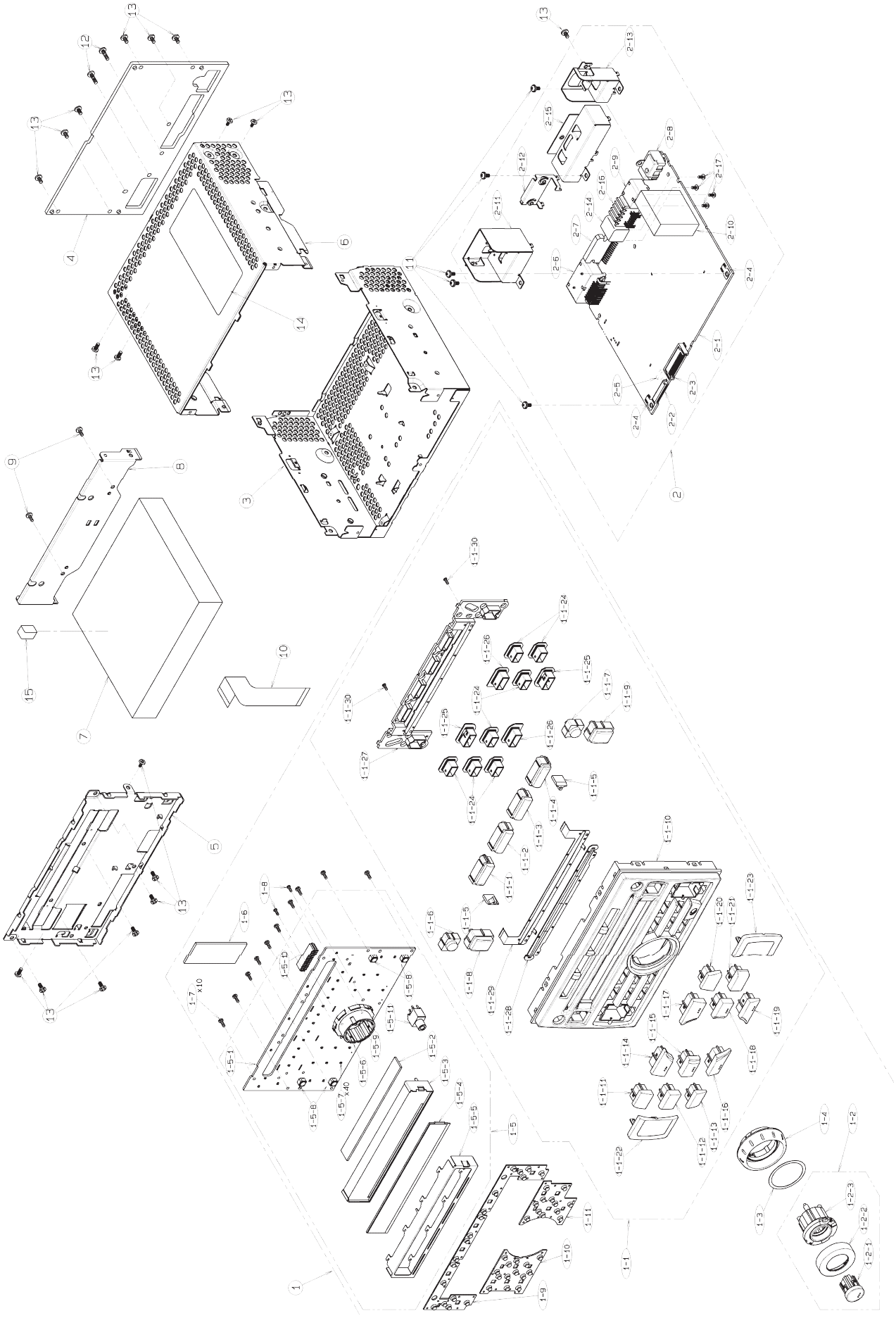
EXPLODED VIEW / PARTS LIST



PP-3135B-A

NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	PANEL-ASSY	1
1-1	940-8592-10	ESCUTCHEON-ASSY	1
1-1-1	----------	-	-
1-1-2	----------	-	-
1-1-3	----------	-	-
1-1-4	----------	-	-
1-1-5	----------	-	-
1-1-6	----------	-	-
1-1-7	----------	-	-
1-1-8	----------	-	-
1-1-9	----------	-	-
1-1-10	----------	-	-
1-1-11	----------	-	-
1-1-12	----------	-	-
1-1-13	----------	-	-
1-1-14	----------	-	-
1-1-15	----------	-	-
1-1-16	----------	-	-
1-1-17	----------	-	-
1-1-18	----------	-	-
1-1-19	----------	-	-
1-1-20	----------	-	-
1-1-21	----------	-	-
1-1-22	----------	-	-
1-1-23	----------	-	-
1-1-24	----------	-	-
1-1-25	----------	-	-
1-1-26	----------	-	-
1-1-27	----------	-	-
1-1-28	----------	-	-
1-1-29	----------	-	-
1-1-30	----------	-	-
1-2	947-0591-10	KNOB ASSY	1
1-2-1	----------	-	-
1-2-2	----------	-	-
1-2-3	----------	-	-
1-3	347-7959-00	SHADE	1
1-4	380-5655-00	KNOB	1
1-5	----------	SW-PWB-ASSY	1
1-5-1	----------	SW-PWB	1
1-5-2	345-6311-01	RUBBER CONNECT	1
1-5-3	335-8365-00	LCD-HOLDER	1
1-5-4	379-1434-50	INDICATOR	1
1-5-5	331-4675-01	LCD COVER	1

NO.	PART NO.	DESCRIPTION	Q'TY
1-5-6	016-7004-00	ROTARY SWITCH	1
1-5-7	001-7109-90	DIODE	40
1-5-8	013-6202-52	TACT SWITCH	4
1-5-9	013-6201-53	SWITCH	1
1-5-10	074-3033-26	OUTLET SOCKET	1
1-5-11	075-0395-01	JACK	1
1-6	345-8090-00	CUSHION RUBBER	1
1-7	716-0778-52	SPECIAL SCREW	10
1-8	716-0872-51	SPECIAL SCREW	2
1-9	345-6310-00	RUBBER SW(UP)	1
1-10	345-6308-00	RUBBER SW(LH)	1
1-11	345-6309-00	RUBBER SW(RH)	1
2	----------	MAIN-PWB-ASSY	1
2-1	----------	MAIN-PWB	1
2-2	074-1189-88	OUTLET SOCKET	1
2-3	076-3011-76	PLUG	1
2-4	073-0762-90	TERMINAL	2
2-5	----------	-	-
2-6	074-4009-20	OUTLET SOCKET	1
2-7	051-2067-00	IC	1
2-8	092-2210-01	ANT-RECEPT	1
2-9	074-1302-16	OUTLET SOCKET	1
2-10	880-2091L	TUNER	1
2-11	331-4679-00	SOCKET HOLDER	1
2-12	331-4678-00	IC-HOLDER	1
2-13	331-4676-00	ANT-HOLDER	1
2-14	074-1302-08	OUTLET SOCKET	1
2-15	331-4677-00	SHIELD CASE	1
2-16	----------	-	-
2-17	778-3006-00	TAP-SCREW	4
3	311-1969-00	LOWER CASE	1
4	313-2070-20	HEAT SINK	1
5	309-1885-00	ES-PLATE(1CD)	1
6	310-1889-00	UPPER CASE	1
7	929-5027-81	CD-MECH-MODULE	1
8	331-4123-00	CD BRKT	1
9	714-2603-89	MACHINE SCREW	2
10	816-3072-51	FLAT WIRE	1
11	716-0878-50	SPECIAL SCREW	5
12	735-2614-1B	D-SEMS SCREW	2
13	714-2606-8B	MACHINE SCREW	18
14	276-0066-19	SETPLATE	1
15	----------	-	-

ELECTRICAL PARTS LIST

Main PWB(B1) section

REF No.	PART No.	DESCRIPTION
ANT101	092-2210-01	ANT-RECEPT
BL101	880-2091L	TUNER PACK
C101	168-2222-55	2200pF K
C104	119-0000-05	1/10W 0 ohm JW
C112	043-0319-51	200pF J CH
C113	166-2201-50	22pF CH
C118	168-1022-55	1000pF K
C121	163-1073-35	16V 100uF
C124	168-2222-55	2200pF K
C127	168-1022-55	1000pF K
C129	168-1022-55	1000pF K
C132	168-1022-55	1000pF K
C135	168-1022-55	1000pF K
C136	163-1073-35	16V 100uF
C152	163-1063-35	16V 10uF
C154	163-1063-35	16V 10uF
C157	168-1022-55	1000pF K
C203	168-1042-78	16V 0.1uF K
C204	163-3363-25	10V 33uF
C205	043-0570-90	16V 2.2uF K
C206	043-0570-90	16V 2.2uF K
C207	043-0570-90	16V 2.2uF K
C208	043-0570-90	16V 2.2uF K
C219	168-3332-78	0.033uF K
C220	168-3332-78	0.033uF K
C221	168-4722-55	4700pF K
C222	168-4722-55	4700pF K
C224	168-1042-78	16V 0.1uF K
C227	043-0552-90	6.3V 47uF M
C230	168-2242-58	0.22uF K
C231	168-3342-58	0.33uF K
C232	043-0554-90	25V 10uF
C238	163-1063-35	16V 10uF
C245	168-2222-55	2200pF K
C257	168-5622-55	5600pF K
C258	168-5622-55	5600pF K
C259	168-2222-55	2200pF K
C301	163-4753-65	50V 4.7uF
C302	168-1042-78	16V 0.1uF K
C303	166-1811-50	180pF CH
C304	168-1042-78	16V 0.1uF K
C305	168-1042-78	16V 0.1uF K
C306	166-8097-50	8pF +/-0.5pF CH
C307	166-8097-50	8pF +/-0.5pF CH
C308	168-1022-55	1000pF K
C309	163-4753-65	50V 4.7uF
C310	168-1042-78	16V 0.1uF K
C311	163-4753-65	50V 4.7uF
C312	168-1042-78	16V 0.1uF K
C313	168-1022-55	1000pF K
C314	168-1022-55	1000pF K
C315	166-1011-50	100pF CH
C316	168-1042-78	16V 0.1uF K
C317	168-5622-55	5600pF K
C318	168-5622-55	5600pF K
C319	166-1011-50	100pF CH
C320	166-1011-50	100pF CH
C322	168-1022-55	1000pF K
C323	168-1022-55	1000pF K
C324	163-2273-05	4V 220uF
C325	168-2222-55	2200pF K
C326	166-4711-50	470pF CH
C327	163-2263-35	16V 22uF
C328	163-4763-15	6.3V 47uF
C330	166-1011-50	100pF CH
C331	168-1042-78	16V 0.1uF K
C332	166-1011-50	100pF CH
C333	168-1022-55	1000pF K
C334	168-1022-55	1000pF K
C335	163-1063-35	16V 10uF
C336	168-1052-78	16V 1uF K
C337	168-3332-78	0.033uF K
C338	168-1022-55	1000pF K
C340	168-1022-55	1000pF K
C341	166-1011-50	100pF CH
C342	168-1022-55	1000pF K
C343	168-4712-55	470pF K
C344	168-1042-78	16V 0.1uF K
C345	168-1022-55	1000pF K
C347	168-3322-55	3300pF K
C348	168-3322-55	3300pF K
C349	168-3322-55	3300pF K
C350	168-3322-55	3300pF K
C351	168-3322-55	3300pF K
C352	168-3322-55	3300pF K
C354	043-0554-90	25V 10uF
C355	042-1736-90	16V 470uF M
C356	168-4722-55	4700pF K
C357	163-1073-15	6.3V 100uF
C358	168-2222-55	2200pF K
C359	043-0570-90	16V 2.2uF K
C360	043-0570-90	16V 2.2uF K
C361	166-2201-50	22pF CH
C362	168-2222-55	2200pF K
C363	166-2201-50	22pF CH
C364	166-2201-50	22pF CH
C365	168-2222-55	2200pF K
C366	166-2201-50	22pF CH
C367	168-2222-55	2200pF K
C368	166-2201-50	22pF CH
C369	166-2201-50	22pF CH
C370	043-0570-90	16V 2.2uF K
C371	043-0570-90	16V 2.2uF K
C372	043-0570-90	16V 2.2uF K
C373	043-0570-90	16V 2.2uF K
C401	168-1042-78	16V 0.1uF K
C402	168-1042-78	16V 0.1uF K
C403	166-2201-50	22pF CH
C404	166-2201-50	22pF CH
C405	168-4722-55	4700pF K
C406	168-2242-58	0.22uF K
C408	166-1801-50	18pF CH
C409	168-1042-78	16V 0.1uF K
C410	163-4763-15	6.3V 47uF
C411	168-1042-78	16V 0.1uF K
C412	168-1032-55	0.01uF K
C414	168-2242-58	0.22uF K
C415	168-2242-58	0.22uF K
C416	168-2242-58	0.22uF K
C417	168-2242-58	0.22uF K
C418	168-2242-58	0.22uF K
C419	168-1022-55	1000pF K
C420	168-4722-55	4700pF K
C501	168-1042-78	16V 0.1uF K
C502	168-1042-78	16V 0.1uF K
C503	168-1042-78	16V 0.1uF K
C504	168-1042-78	16V 0.1uF K
C506	166-5611-50	560pF CH
C507	166-5611-50	560pF CH
C509	166-5611-50	560pF CH
C510	166-5611-50	560pF CH
C511	166-2201-50	22pF CH
C512	166-2201-50	22pF CH
C513	166-2201-50	22pF CH
C514	166-2201-50	22pF CH
C515	168-1052-78	16V 1uF K
C516	163-1073-35	16V 100uF
C518	166-5611-50	560pF CH
C519	166-5611-50	560pF CH
C520	168-3342-58	0.33uF K
C521	166-5611-50	560pF CH
C522	166-5611-50	560pF CH
C523	168-1042-78	16V 0.1uF K
C524	168-2242-58	0.22uF K
C525	043-0552-90	6.3V 47uF M
C526	043-0566-90	50V 2.2uF K
C527	043-0604-90	25V 10uF B
C529	168-4742-78	0.47uF K
C530	168-1042-38	50V 0.1uF K
C531	163-1073-35	16V 100uF
C532	168-1542-58	0.15uF K
C533	168-1542-58	0.15uF K
C534	168-1542-58	0.15uF K
C535	168-1542-58	0.15uF K
C536	168-1042-78	16V 0.1uF K
C537	168-1052-78	16V 1uF K
C540	042-1760-90	16V 10uF M
C541	178-2742-78	0.27uF
C542	168-1052-78	16V 1uF K
C543	163-4763-35	16V 47uF
C544	163-2273-25	10V 220uF
C545	168-2212-55	220pF K
C546	166-2201-50	22pF CH
C548	163-4763-35	16V 47uF
C549	042-1465-00	16V 3300uF
C550	172-1041-11	0.1uF
C551	163-4763-35	16V 47uF
C552	163-4763-35	16V 47uF
C554	168-6822-55	6800pF K
C555	168-6822-55	6800pF K
C556	168-6822-55	6800pF K
C557	168-6822-55	6800pF K
C558	168-6822-55	6800pF K
C559	168-6822-55	6800pF K
C560	168-6822-55	6800pF K
C561	168-6822-55	6800pF K
C562	168-6822-55	6800pF K
C563	043-0574-90	25V 1.0uF
C564	168-1042-78	16V 0.1uF K
C565	163-1063-35	16V 10uF
C566	168-2232-55	0.022uF K
C567	042-4000-90	16V 470uF
C568	168-1522-55	1500pF K
C569	166-2201-50	22pF CH
C570	178-2242-38	0.22uF B
C571	168-1542-58	0.15uF K
C572	168-1542-58	0.15uF K
C573	168-1542-58	0.15uF K
C574	168-1542-58	0.15uF K
C576	168-1022-55	1000pF K
CCT402	050-0140-54	1/32W 1k ohm x4J
CCT403	050-0145-52	1/16W 1k ohm x4
CCT404	050-0145-52	1/16W 1k ohm x4
D104	001-0580-90	1SS352
D106	001-0529-48	MA8091-H
D107	001-0580-90	1SS352
D108	001-9210-50	AVR-M1608C270MTA AD
D109	001-9210-50	AVR-M1608C270MTA AD
D110	001-4320-50	EDZC6.8B
D116	001-4320-50	EDZC6.8B
D117	001-4320-50	EDZC6.8B
D208	001-0580-90	1SS352
D210	001-4313-53	HZU9B1L TRF-E
D231	001-9210-50	AVR-M1608C270MTA AD
D232	001-9210-50	AVR-M1608C270MTA AD
D233	001-9210-50	AVR-M1608C270MTA AD
D234	001-9210-50	AVR-M1608C270MTA AD
D401	001-2630-90	1SS420-TPL3,F
D501	001-2640-90	D1FJ4
D502	001-0529-48	MA8091-H

REF No.	PART No.	DESCRIPTION
D504	001-0529-48	MA8091-H
D506	001-2015-00	RL253
D507	001-0580-90	1SS352
D508	001-0580-90	1SS352
D510	001-0529-48	MA8091-H
D511	001-4320-50	EDZC6.8B
D512	001-0580-90	1SS352
D513	001-4320-50	EDZC6.8B
D514	001-4320-50	EDZC6.8B
D515	001-0529-34	MA8062-L
D516	001-0580-90	1SS352
D517	001-0529-47	MA8091-M
D536	001-2412-90	RR264M-400
D538	001-2412-90	RR264M-400
IC202	051-3552-90	NJU7741F15
IC203	051-3518-90	NJM2846DL3-33-TE1
IC301	----------	SAF7730HV/N332(im possible to exchange)
IC302	051-3034-90	NJM4558V
IC401	051-9426-90	S-24CS16A01-T8T1G
IC403	----------	M30876FJAGP VIRGIN-TYP
IC404	051-6607-08	PCA82C250T-T
IC405	051-5417-08	S-80927CNMC-B8M
IC502	051-3019-90	NJM2060V
IC503	051-3551-90	NJM2878F3-33-TE1
IC504	051-3396-90	NJM2386ADL3-33-TE1
IC505	----------	LT3481EMSE#TRPBF
IC506	051-2067-00	TB2946HQ
IC507	051-3034-90	NJM4558V
IC508	051-5441-08	BD4828G-TR
J101	074-1302-16	16P
J202	074-1189-88	38P
J204	074-1302-08	8P
J502	074-4009-20	20P
L105	010-2003-04	30uH
L106	010-4011-20	2.5mH +3/-3%
L201	010-3104-54	600 ohm/100MHz
L202	010-3104-54	600 ohm/100MHz
L301	010-3104-54	600 ohm/100MHz
L302	010-3104-54	600 ohm/100MHz
L303	010-3104-54	600 ohm/100MHz
L304	010-3104-54	600 ohm/100MHz
L305	010-3104-54	600 ohm/100MHz
L306	010-3104-54	600 ohm/100MHz
L307	010-3104-54	600 ohm/100MHz
L308	010-3104-54	600 ohm/100MHz
L309	010-3104-54	600 ohm/100MHz
L310	010-3104-54	600 ohm/100MHz
L311	010-3104-54	600 ohm/100MHz
L312	010-3104-54	600 ohm/100MHz
L313	010-3104-54	600 ohm/100MHz
L401	010-3601-50	600 ohm/100MHz
L402	010-3406-54	2.2uH J
L501	010-3104-54	600 ohm/100MHz
L502	010-3414-92	2.2uH
L504	010-8048-00	240uH
P402	076-3011-76	26P
Q105	198-3018-00	2SK3018
Q106	198-3018-00	2SK3018
Q107	192-5886-00	2SC5886
Q108	125-2027-90	DTC143EUA
Q109	190-2060-00	2SA2060
Q210	125-0006-90	UNR2110
Q211	125-2027-91	DTC114EUA
Q214	193-1259-50	2SD1259DS R,Q
Q301	125-7007-90	Si5441BDC-TI-E3
Q302	125-2027-91	DTC114EUA
Q401	198-3018-00	2SK3018
Q402	198-3018-00	2SK3018
Q407	125-2027-91	DTC114EUA
Q408	198-3018-00	2SK3018
Q409	125-2027-91	DTC114EUA

REF No.	PART No.	DESCRIPTION
Q410	198-3018-00	2SK3018
Q411	125-2027-91	DTC114EUA
Q504	125-2027-91	DTC114EUA
Q505	191-1197-50	2SB1197K Q,R
Q506	192-5886-00	2SC5886
Q508	125-2027-91	DTC114EUA
Q511	192-5810-00	2SC5810 TE12L
Q512	125-2027-91	DTC114EUA
Q513	191-1197-50	2SB1197K Q,R
Q514	192-4116-51	2SC4116 G,L
Q515	191-1204-61	2SB1204 R,S,T
Q516	125-2027-91	DTC114EUA
Q517	191-1197-50	2SB1197K Q,R
Q518	192-4081-00	2SC4081
Q519	192-4116-00	2SC4116
Q520	125-2027-91	DTC114EUA
Q521	192-4116-51	2SC4116 G,L
R109	119-0000-05	1/10W 0 ohm JW
R125	119-0000-05	1/10W 0 ohm JW
R129	166-1511-50	150pF CH
R135	119-1011-15	1/10W 100 ohm
R141	119-1011-15	1/10W 100 ohm
R143	119-1011-15	1/10W 100 ohm
R146	116-6891-15	1/4W 6.8 ohm
R150	119-3321-15	1/10W 3.3k ohm
R154	119-3321-15	1/10W 3.3k ohm
R155	119-3321-15	1/10W 3.3k ohm
R161	119-0000-05	1/10W 0 ohm JW
R162	119-3321-15	1/10W 3.3k ohm
R170	116-1091-15	1/4W 1 ohm
R173	116-1221-15	1/4W 1.2k ohm
R174	116-3911-15	1/4W 390 ohm
R176	119-1031-15	1/10W 10k ohm
R180	119-0000-05	1/10W 0 ohm JW
R201	032-0140-89	1/10W 47k ohm F
R202	032-0140-89	1/10W 47k ohm F
R203	032-0140-89	1/10W 47k ohm F
R204	032-0140-89	1/10W 47k ohm F
R205	119-3331-15	1/10W 33k ohm
R206	119-3331-15	1/10W 33k ohm
R212	119-4731-15	1/10W 47k ohm
R214	119-4721-15	1/10W 4.7k ohm
R215	119-4721-15	1/10W 4.7k ohm
R222	119-3011-15	1/10W 300 ohm
R232	032-0140-89	1/10W 47k ohm F
R233	032-0140-89	1/10W 47k ohm F
R239	119-1031-15	1/10W 10k ohm
R240	119-6821-15	1/10W 6.8k ohm
R241	119-4731-15	1/10W 47k ohm
R247	116-3911-15	1/4W 390 ohm
R248	116-3911-15	1/4W 390 ohm
R249	119-1041-15	1/10W 100k ohm
R258	119-1021-15	1/10W 1k ohm
R259	119-1021-15	1/10W 1k ohm
R260	119-1021-15	1/10W 1k ohm
R301	119-1031-15	1/10W 10k ohm
R302	119-1031-15	1/10W 10k ohm
R303	119-2201-15	1/10W 22 ohm
R308	119-1031-15	1/10W 10k ohm
R309	119-1011-15	1/10W 100 ohm
R310	119-1021-15	1/10W 1k ohm
R311	032-0140-50	1/10W 10k ohm F
R312	119-3921-15	1/10W 3.9k ohm
R313	032-0140-50	1/10W 10k ohm F
R314	119-3921-15	1/10W 3.9k ohm
R315	032-0140-50	1/10W 10k ohm F
R316	119-0000-05	1/10W 0 ohm JW
R317	032-0140-50	1/10W 10k ohm F
R318	119-1041-15	1/10W 100k ohm
R319	119-1041-15	1/10W 100k ohm
R320	119-1001-15	1/10W 10 ohm
R321	119-3921-15	1/10W 3.9k ohm
R322	119-0000-05	1/10W 0 ohm JW
R323	119-1021-15	1/10W 1k ohm
R324	119-3921-15	1/10W 3.9k ohm

REF No.	PART No.	DESCRIPTION
R325	119-0000-05	1/10W 0 ohm JW
R327	119-1031-15	1/10W 10k ohm
R329	119-1031-15	1/10W 10k ohm
R331	119-1031-15	1/10W 10k ohm
R332	119-1031-15	1/10W 10k ohm
R333	032-0140-50	1/10W 10k ohm F
R334	032-0140-50	1/10W 10k ohm F
R335	119-1031-15	1/10W 10k ohm
R336	119-1031-15	1/10W 10k ohm
R337	119-1031-15	1/10W 10k ohm
R338	119-1031-15	1/10W 10k ohm
R339	119-1011-15	1/10W 100 ohm
R340	119-1011-15	1/10W 100 ohm
R341	119-0000-05	1/10W 0 ohm JW
R342	119-0000-05	1/10W 0 ohm JW
R343	119-0000-05	1/10W 0 ohm JW
R344	119-0000-05	1/10W 0 ohm JW
R345	119-0000-05	1/10W 0 ohm JW
R346	119-0000-05	1/10W 0 ohm JW
R347	119-1031-15	1/10W 10k ohm
R348	119-0000-05	1/10W 0 ohm JW
R349	119-4731-15	1/10W 47k ohm
R350	119-0000-05	1/10W 0 ohm JW
R351	119-1021-15	1/10W 1k ohm
R352	119-1021-15	1/10W 1k ohm
R353	119-1021-15	1/10W 1k ohm
R354	119-1021-15	1/10W 1k ohm
R356	119-1001-15	1/10W 10 ohm
R357	032-0140-15	1/10W 6.8k ohm F
R358	032-0140-15	1/10W 6.8k ohm F
R360	032-0140-15	1/10W 6.8k ohm F
R361	032-0140-15	1/10W 6.8k 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
R366	032-0140-50	1/10W 10k ohm F
R367	032-0140-50	1/10W 10k ohm F
R401	119-1021-15	1/10W 1k ohm
R402	119-1021-15	1/10W 1k ohm
R403	119-1021-15	1/10W 1k ohm
R404	119-0000-05	1/10W 0 ohm JW
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	119-1021-15	1/10W 1k ohm
R411	119-4721-15	1/10W 4.7k ohm
R412	119-4721-15	1/10W 4.7k ohm
R413	119-3311-15	1/10W 330 ohm
R414	119-3311-15	1/10W 330 ohm
R415	119-4731-15	1/10W 47k ohm
R416	119-4731-15	1/10W 47k ohm
R417	119-4731-15	1/10W 47k ohm
R422	119-0000-05	1/10W 0 ohm JW
R423	119-1011-15	1/10W 100 ohm
R424	119-1011-15	1/10W 100 ohm
R432	119-1011-15	1/10W 100 ohm
R433	119-1011-15	1/10W 100 ohm
R434	119-1031-15	1/10W 10k ohm
R435	119-1031-15	1/10W 10k ohm
R436	116-6201-15	1/4W 62 ohm
R437	119-4731-15	1/10W 47k ohm
R438	116-6201-15	1/4W 62 ohm
R439	119-4731-15	1/10W 47k ohm
R440	119-4731-15	1/10W 47k ohm
R441	119-1031-15	1/10W 10k ohm
R442	119-4721-15	1/10W 4.7k ohm
R443	116-6201-15	1/4W 62 ohm
R444	119-1021-15	1/10W 1k ohm
R445	119-4731-15	1/10W 47k ohm
R446	119-4731-15	1/10W 47k ohm
R447	119-1031-15	1/10W 10k ohm
R448	119-4731-15	1/10W 47k ohm
R449	119-4731-15	1/10W 47k ohm
R450	119-0000-05	1/10W 0 ohm JW

REF No.	PART No.	DESCRIPTION
R451	119-3321-15	1/10W 3.3k ohm
R452	119-4731-15	1/10W 47k ohm
R453	119-1031-15	1/10W 10k ohm
R454	119-4731-15	1/10W 47k ohm
R455	119-3321-15	1/10W 3.3k ohm
R456	119-1021-15	1/10W 1k ohm
R457	119-3321-15	1/10W 3.3k ohm
R458	119-1021-15	1/10W 1k ohm
R459	119-4731-15	1/10W 47k ohm
R460	119-4731-15	1/10W 47k ohm
R461	119-0000-05	1/10W 0 ohm JW
R463	119-4731-15	1/10W 47k ohm
R464	119-3321-15	1/10W 3.3k ohm
R466	119-4731-15	1/10W 47k ohm
R468	119-4791-15	1/10W 4.7 ohm
R469	119-1011-15	1/10W 100 ohm
R471	116-6201-15	1/4W 62 ohm
R472	119-1011-15	1/10W 100 ohm
R474	119-4731-15	1/10W 47k ohm
R475	119-1011-15	1/10W 100 ohm
R476	119-1011-15	1/10W 100 ohm
R477	119-4721-15	1/10W 4.7k ohm
R478	119-4721-15	1/10W 4.7k ohm
R481	119-2231-15	1/10W 22k ohm
R484	119-4731-15	1/10W 47k ohm
R485	119-4731-15	1/10W 47k ohm
R486	119-1041-15	1/10W 100k ohm
R487	119-1041-15	1/10W 100k ohm
R492	119-4731-15	1/10W 47k ohm
R493	119-4721-15	1/10W 4.7k ohm
R494	119-4721-15	1/10W 4.7k ohm
R495	119-4731-15	1/10W 47k ohm
R496	119-4721-15	1/10W 4.7k ohm
R497	119-4721-15	1/10W 4.7k ohm
R498	119-1041-15	1/10W 100k ohm
R499	119-1041-15	1/10W 100k ohm
R502	119-1031-15	1/10W 10k ohm
R503	119-1031-15	1/10W 10k ohm
R504	119-1031-15	1/10W 10k ohm

REF No.	PART No.	DESCRIPTION
R505	119-1031-15	1/10W 10k ohm
R507	119-1031-15	1/10W 10k ohm
R508	119-1031-15	1/10W 10k ohm
R509	119-1031-15	1/10W 10k ohm
R510	119-1031-15	1/10W 10k ohm
R511	119-1031-15	1/10W 10k ohm
R512	119-1031-15	1/10W 10k ohm
R514	119-1051-15	1/10W 1M ohm
R515	119-1051-15	1/10W 1M ohm
R516	119-1051-15	1/10W 1M ohm
R517	119-1051-15	1/10W 1M ohm
R518	119-1031-15	1/10W 10k ohm
R519	119-1031-15	1/10W 10k ohm
R520	119-1031-15	1/10W 10k ohm
R521	119-1031-15	1/10W 10k ohm
R522	119-1031-15	1/10W 10k ohm
R523	119-1031-15	1/10W 10k ohm
R524	119-4731-15	1/10W 47k ohm
R525	119-0000-05	1/10W 0 ohm JW
R527	032-0148-63	1/10W 130k ohm D
R528	032-0148-64	1/10W 390k ohm D
R530	119-1031-15	1/10W 10k ohm
R532	119-1031-15	1/10W 10k ohm
R533	119-1841-15	1/10W 180k ohm
R534	119-1031-15	1/10W 10k ohm
R535	116-6811-15	1/4W 680 ohm
R536	119-1031-15	1/10W 10k ohm
R537	032-0140-51	1/10W 15k ohm F
R544	119-4731-15	1/10W 47k ohm
R545	119-4731-15	1/10W 47k ohm
R546	116-4721-15	1/4W 4.7k ohm
R547	119-4721-15	1/10W 4.7k ohm
R548	119-4721-15	1/10W 4.7k ohm
R549	119-3331-15	1/10W 33k ohm
R555	116-3911-15	1/4W 390 ohm
R556	119-1521-15	1/10W 1.5k ohm
R557	116-1221-15	1/4W 1.2k ohm
R558	119-1031-15	1/10W 10k ohm
R559	116-1221-15	1/4W 1.2k ohm

REF No.	PART No.	DESCRIPTION
R560	119-1031-15	1/10W 10k ohm
R561	116-1221-15	1/4W 1.2k ohm
R562	116-1221-15	1/4W 1.2k ohm
R563	119-1031-15	1/10W 10k ohm
R564	119-4721-15	1/10W 4.7k ohm
R565	119-1521-15	1/10W 1.5k ohm
R566	119-1031-15	1/10W 10k ohm
R567	032-0148-50	1/10W 100k ohm D
R568	032-0140-16	1/10W 180k ohm F
R570	119-0000-05	1/10W 0 ohm JW
R571	119-0000-05	1/10W 0 ohm JW
R572	032-0208-51	1/4W 15k ohm
R573	119-2221-15	1/10W 2.2k ohm
R575	116-1531-15	1/4W 15k ohm
R576	119-0000-05	1/10W 0 ohm JW
R577	119-1031-15	1/10W 10k ohm
R578	168-6812-55	680pF K
R579	119-1031-15	1/10W 10k ohm
R580	119-5611-15	1/10W 560 ohm
R581	116-4791-15	1/4W 4.7 ohm
R582	116-4791-15	1/4W 4.7 ohm
R583	119-2231-15	1/10W 22k ohm
R584	119-3321-15	1/10W 3.3k ohm
R588	119-3341-15	1/10W 330k ohm
R592	119-1021-15	1/10W 1k ohm
R593	119-1021-15	1/10W 1k ohm
R4001	119-1021-15	1/10W 1k ohm
R4004	119-1021-15	1/10W 1k ohm
R4005	119-1021-15	1/10W 1k ohm
SUP102	060-0122-91	DSP-141N-S00B
TC401	004-1580-10	30pF GRN
TH101	002-0229-00	RTH8L05BAIR8M1B
TM101	073-0762-90	TERMINAL
TM502	073-0762-90	TERMINAL
X301	061-3537-90	41.6MHz
X401	061-3567-90	8.000MHz AT-41CD2
PWB	039-3392-00	PWB(WITHOUT CO MPONENT)

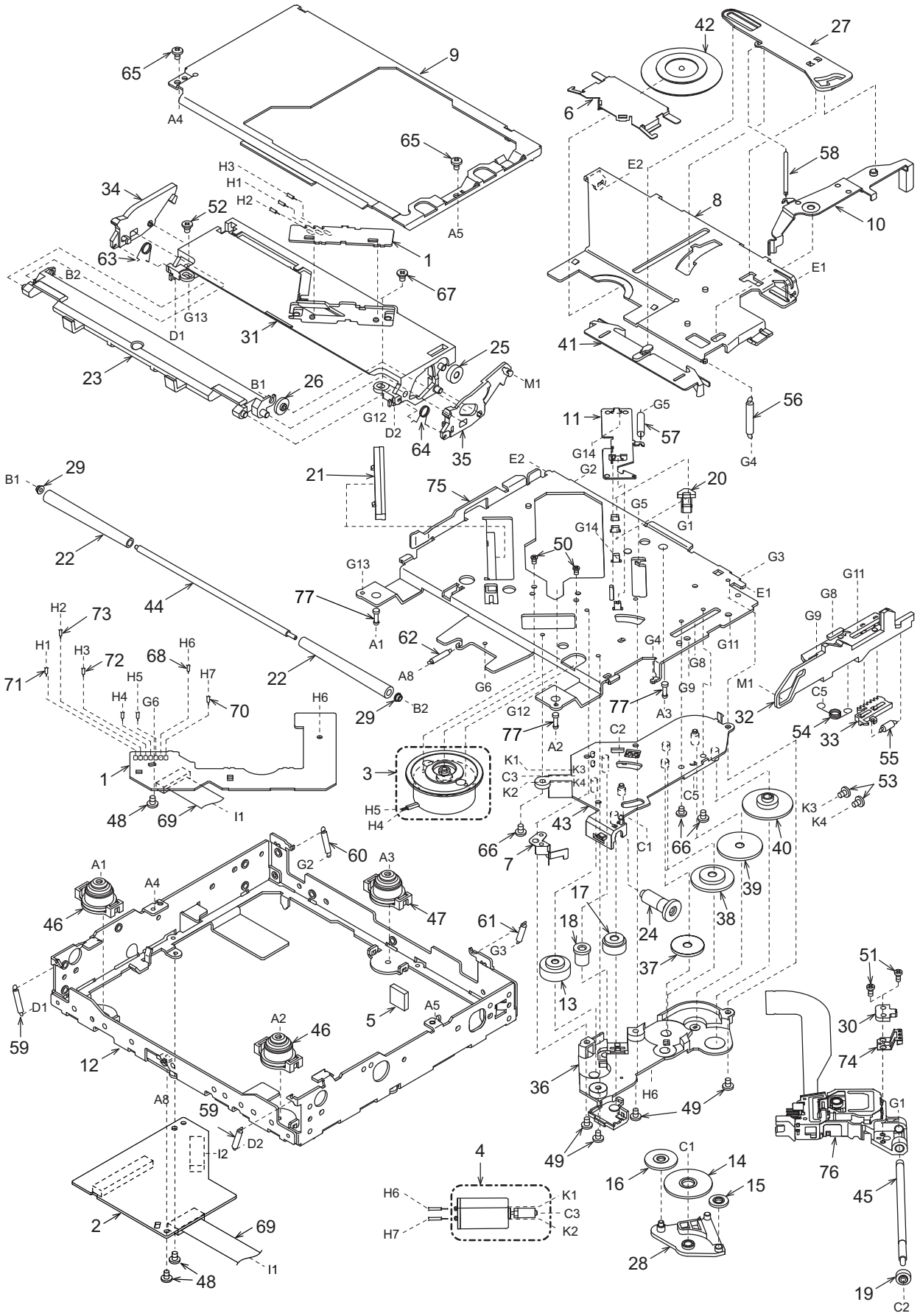
Switch PWB(B2) section

REF No.	PART No.	DESCRIPTION
C601	043-0554-90	25V 10uF
C602	043-0554-90	25V 10uF
C603	168-1042-78	16V 0.1uF K
C604	043-0554-90	25V 10uF
C605	168-1042-78	16V 0.1uF K
D601	001-9210-50	AVR-M1608C270MTA AD
D602	001-9210-50	AVR-M1608C270MTA AD
D603	001-9210-50	AVR-M1608C270MTA AD
D604	001-4320-50	EDZC6.8B
D605	001-7109-90	SML-311DTT86 ORG
D606	001-7109-90	SML-311DTT86 ORG
D607	001-7109-90	SML-311DTT86 ORG
D610	001-7109-90	SML-311DTT86 ORG
D611	001-7109-90	SML-311DTT86 ORG
D612	001-7109-90	SML-311DTT86 ORG
D613	001-7109-90	SML-311DTT86 ORG
D614	001-7109-90	SML-311DTT86 ORG
D615	001-7109-90	SML-311DTT86 ORG
D616	001-7109-90	SML-311DTT86 ORG
D617	001-7109-90	SML-311DTT86 ORG
D618	001-7109-90	SML-311DTT86 ORG
D619	001-7109-90	SML-311DTT86 ORG
D620	001-7109-90	SML-311DTT86 ORG
D621	001-7109-90	SML-311DTT86 ORG
D622	001-7109-90	SML-311DTT86 ORG
D623	001-7109-90	SML-311DTT86 ORG

REF No.	PART No.	DESCRIPTION
D624	001-7109-90	SML-311DTT86 ORG
D625	001-7109-90	SML-311DTT86 ORG
D626	001-7109-90	SML-311DTT86 ORG
D627	001-7109-90	SML-311DTT86 ORG
D628	001-7109-90	SML-311DTT86 ORG
D629	001-7109-90	SML-311DTT86 ORG
D630	001-7109-90	SML-311DTT86 ORG
D631	001-7109-90	SML-311DTT86 ORG
D632	001-7109-90	SML-311DTT86 ORG
D633	001-7109-90	SML-311DTT86 ORG
D634	001-7109-90	SML-311DTT86 ORG
D635	001-7109-90	SML-311DTT86 ORG
D636	001-7109-90	SML-311DTT86 ORG
D637	001-7109-90	SML-311DTT86 ORG
D638	001-7109-90	SML-311DTT86 ORG
D639	001-7109-90	SML-311DTT86 ORG
D640	001-7109-90	SML-311DTT86 ORG
D641	001-7109-90	SML-311DTT86 ORG
D642	001-7109-90	SML-311DTT86 ORG
D643	001-7109-90	SML-311DTT86 ORG
D644	001-7109-90	SML-311DTT86 ORG
D645	001-7109-90	SML-311DTT86 ORG
D656	001-7109-90	SML-311DTT86 ORG
D662	001-9210-50	AVR-M1608C270MTA AD
D663	001-9210-50	AVR-M1608C270MTA AD
D664	001-9210-50	AVR-M1608C270MTA AD

REF No.	PART No.	DESCRIPTION
D665	001-9210-50	AVR-M1608C270MTA AD
D666	001-9210-50	AVR-M1608C270MTA AD
D667	001-9210-50	AVR-M1608C270MTA AD
D668	001-9210-50	AVR-M1608C270MTA AD
D669	001-9210-50	AVR-M1608C270MTA AD
IC601	051-6057-00	ML9090A-01GA
J601	074-3033-26	26P
J602	075-0395-01	JACK
LCD601	379-1434-50	INDICATOR(LCD)
Q601	190-1162-00	2SA1162
Q602	192-2712-51	2SC2712 G,L
R601	032-0140-00	1/10W 56k ohm F
R602	119-4731-15	1/10W 47k ohm
R604	032-0140-53	1/10W 2.2k ohm F
R605	032-0140-53	1/10W 2.2k ohm F
R606	116-1821-15	1/4W 1.8k ohm
R607	119-4731-15	1/10W 47k ohm
R608	116-2221-15	1/4W 2.2k ohm
R609	116-2721-15	1/4W 2.7k ohm
R611	116-2221-15	1/4W 2.2k ohm
R612	116-2221-15	1/4W 2.2k ohm
R613	116-2221-15	1/4W 2.2k ohm
R614	116-2221-15	1/4W 2.2k ohm
R615	116-1021-15	1/4W 1k ohm

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	624-3059-00	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	969-0075-30	PICKUP-ASSY	1
77	622-1570-21	DAMPER PIN	3

ELECTRICAL PARTS LIST

CD PWB(BM1) section

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	043-0570-90	16V 2.2uF K
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
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
D1	001-1305-90	DAN217UT106
IC1	051-6733-30	TC94A73MFG-201
IC2	051-6079-80	BA5830FM-E2
IC3	051-3395-90	NJU7780U1-15-TES
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	010-3406-26	0.01uH
Q1	131-1188-50	2SB1188 Q,R
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	119-0000-05	1/10 0ohm JW
R19	119-0000-05	1/10W 0 ohm JW
R20	119-0000-05	1/10 0ohm JW
R22	119-2231-15	1/10W 22k ohm
R23	119-0000-05	1/10 0ohm JW
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
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
R67	119-0000-05	1/10W 0 ohm JW
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
Q1	060-4015-91	PS1192HB-32-TR
Q2	060-4015-91	PS1192HB-32-TR
S1	013-7414-50	CHUCKING
S2	013-7413-50	LIMIT
PWB	039-1944-21	PWB(WITHOUT COMPONENTS)

BLOCK DIAGRAM

