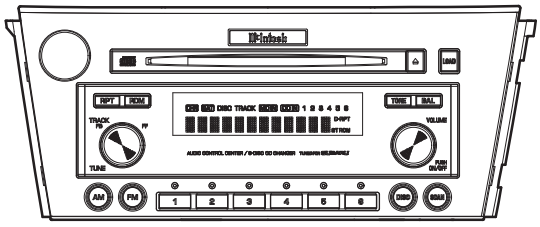
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Published by Service Dept.
298-6356-00 Mar.2006
Printed in Japan

Service Manual



McIntosh
SUBARU Automobile Genuine
AUDIO CONTROL CENTER / 6-DISC CD CHANGER

Model PF-2551I-B
(Genuine No.86201AG241)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model PF-2551I-A
This manual has described only the difference point with the original service manual.

Original model	Manual No.
PF-2551I-A	298-6090-00

DIFFERENCE FROM ORIGINAL MANUAL

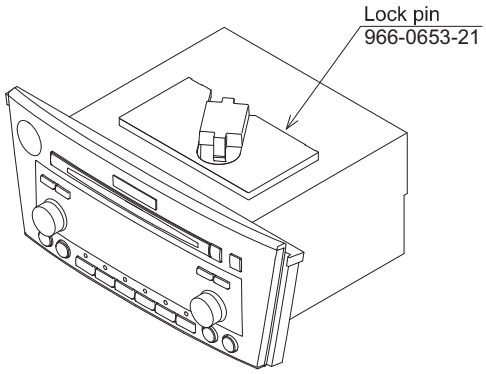
1.Addition of NAVI support.
2.EXPLANATION OF IC
3.EXPLODED VIEW/PARTS LIST
4.CD CHANGER MECHANISM
5.ELECTRICAL PARTS LIST

NOTE

*We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
*Specifications and design are subject to change without notice for further improvement.

CAUTIONS

In case that the main unit or the CD changer mechanism is transported for repair, the lock pin(966-0653-21) must be set to fix the mechanism assy.



COMPONENTS

PF-2551I-B

1.	Main unit	----------	1
2.	Lock pin	966-0653-21	1

DEFFARENCE FROM ORIGINAL EXPLODED VIEW/PARTS LIST

Escutcheon section

*Refer to the figure on page 5 of original manual.

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8025-15	ESCUTCHEON-ASSY	1
11	373-1005-01	DIAL-CVR	1

NO.	PART NO.	DESCRIPTION	Q'TY
16	335-6947-01	VFD CVR	1

Main section

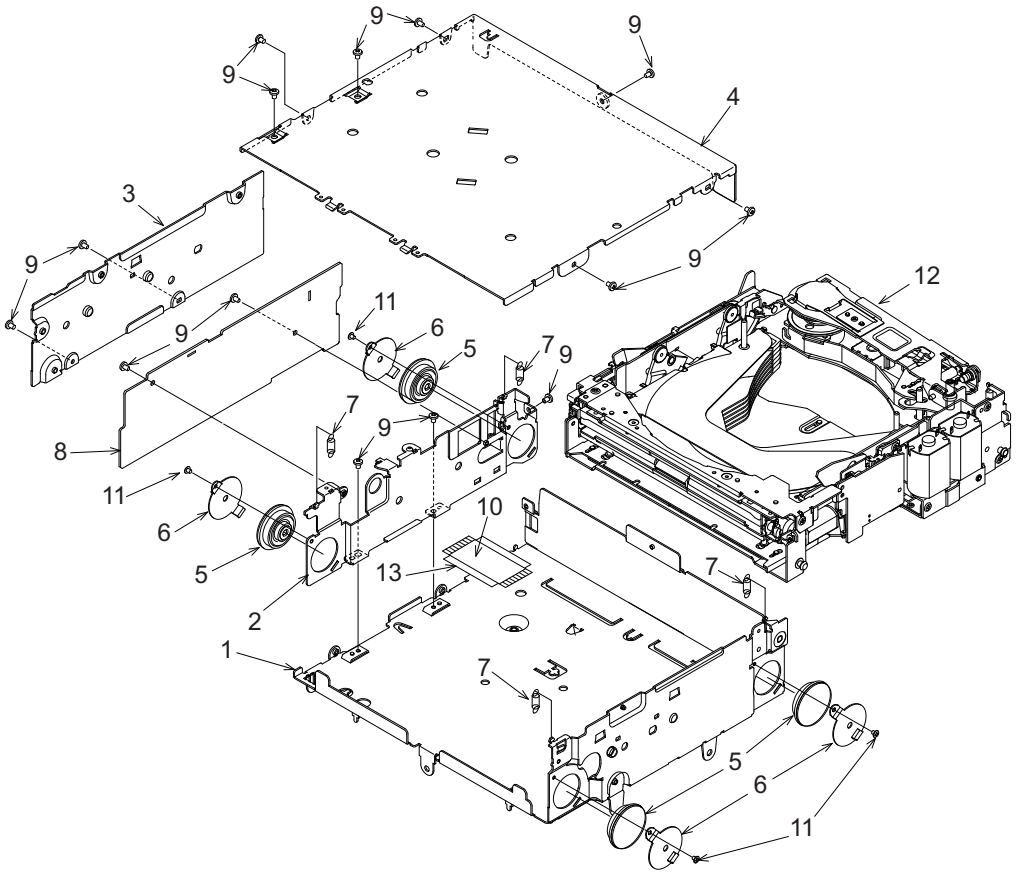
*Refer to the figure on page 6 of original manual.

NO.	PART NO.	DESCRIPTION	Q'TY
10	855-0562-01	MULTIPOLE CORD	1
15	331-3577-01	ES-PLATE	1

NO.	PART NO.	DESCRIPTION	Q'TY
19	----------	CD CHANGER MECHANISM (019785)	1
28	290-8338-03	LABEL	1

EXPLODED VIEW/PARTS LIST

CD Changer mechanism section



NO.	PART NO.	DESCRIPTION	Q'TY
1	311-1854-21	LOWER CASE	1
2	331-3266-24	PWB-HOLDER	1
3	305-0315-28	SIDE CASE	1
4	310-1741-23	UPPER CASE	1
5	629-0083-01	DAMPER	4
6	620-1086-20	DAMPER-H-PLT	4
7	750-3491-00	FL-SPRING	1

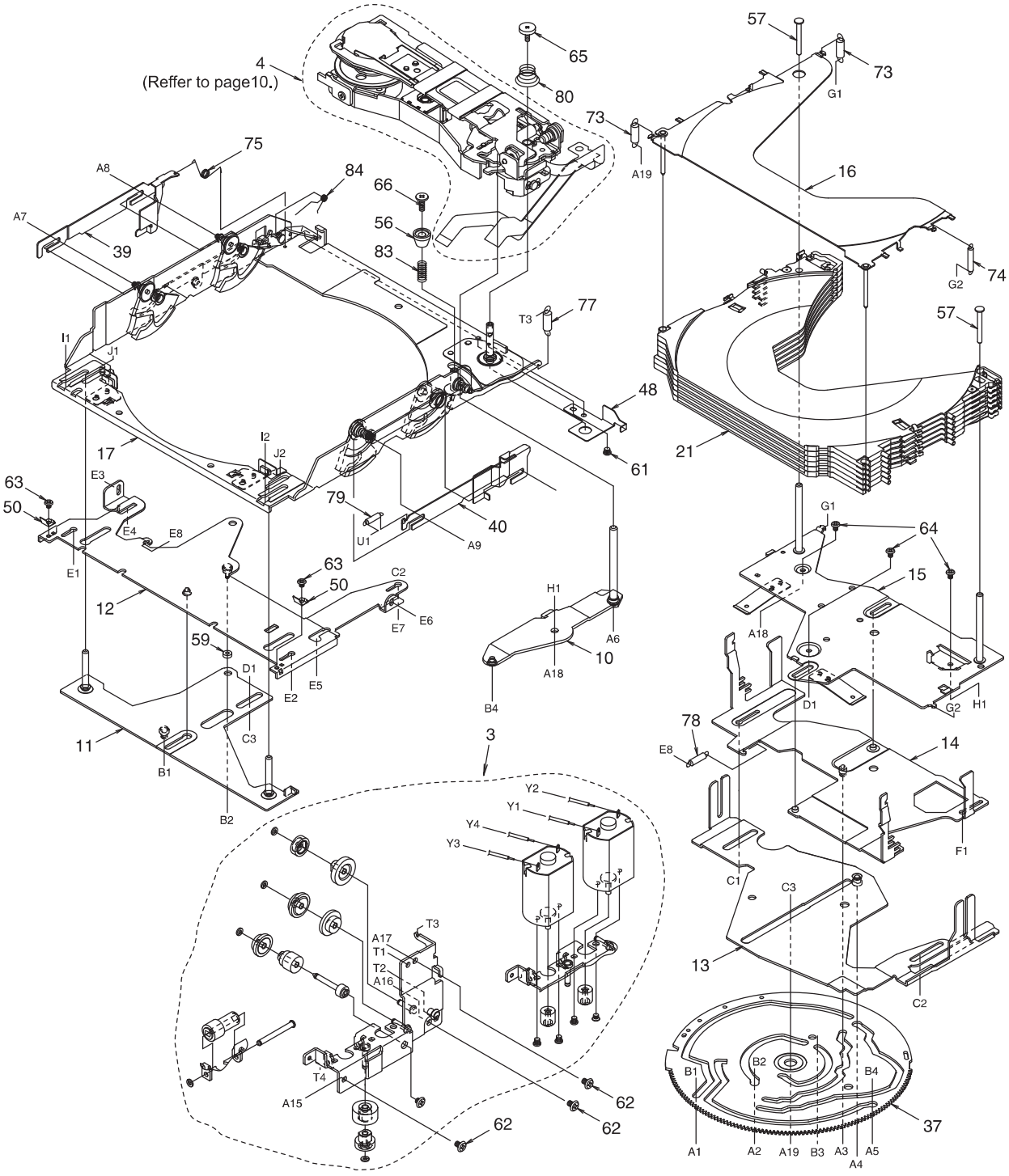
NO.	PART NO.	DESCRIPTION	Q'TY
8	039-2248-20	CD MAIN PWB (WITHOUT COMPONENT)	1
9	716-1716-02	SCREW (M2 x 3)	14
10	HBS-561-100	FPC(WITHOUT COMPONENT)	1
11	716-3450-00	SCREW (M1.7x 2)	4
12	----------	CD CHANGER MODULE	1
13	347-6619-00	INSULATOR	1

*No.12:CD Changer Main chassis section.(Refer to the next page.)

EXPLODED VIEW

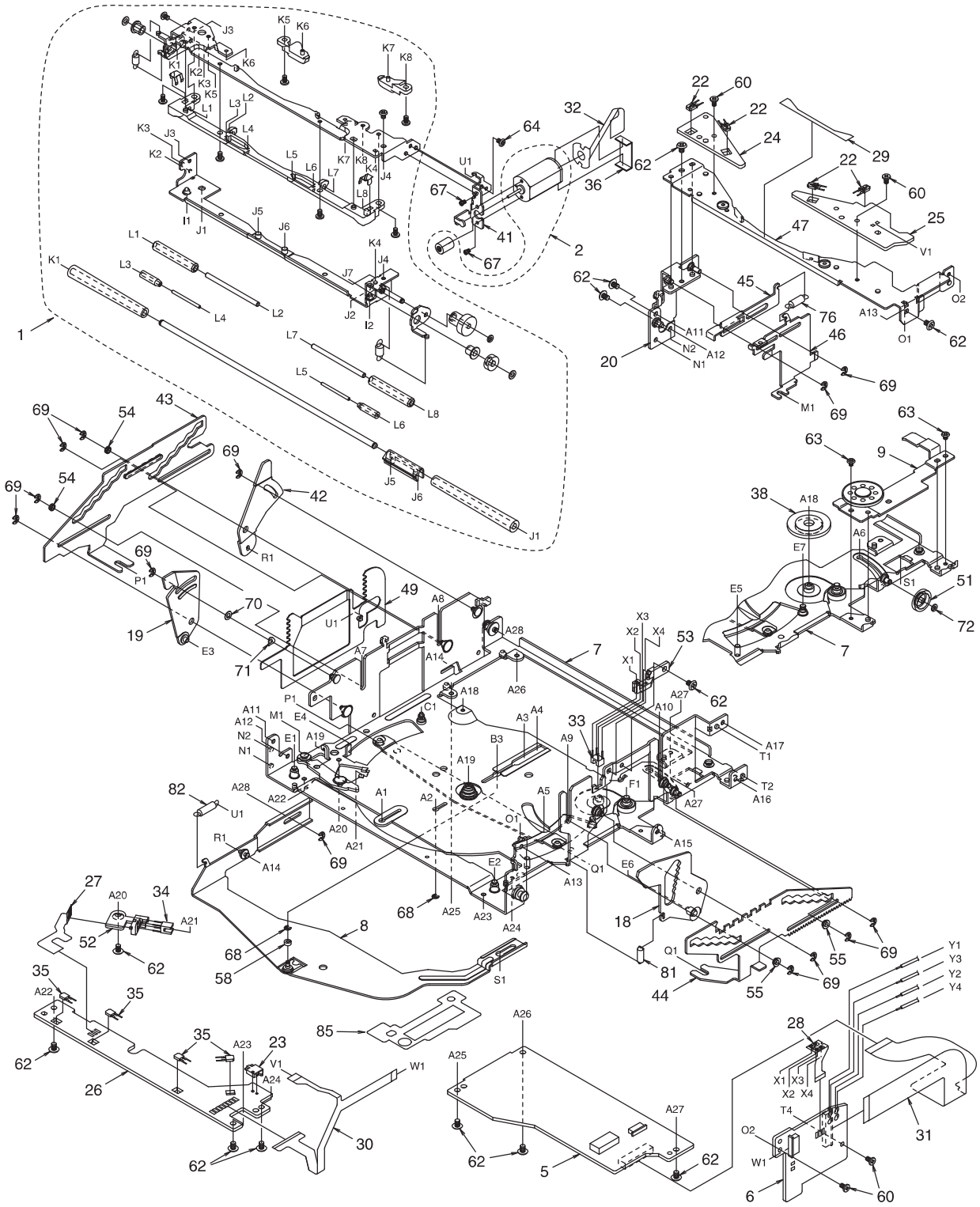
CD Changer Main chassis section

*Parts list refer to page 11.



CD Changer Main chassis section

*Parts list refer to page 11.

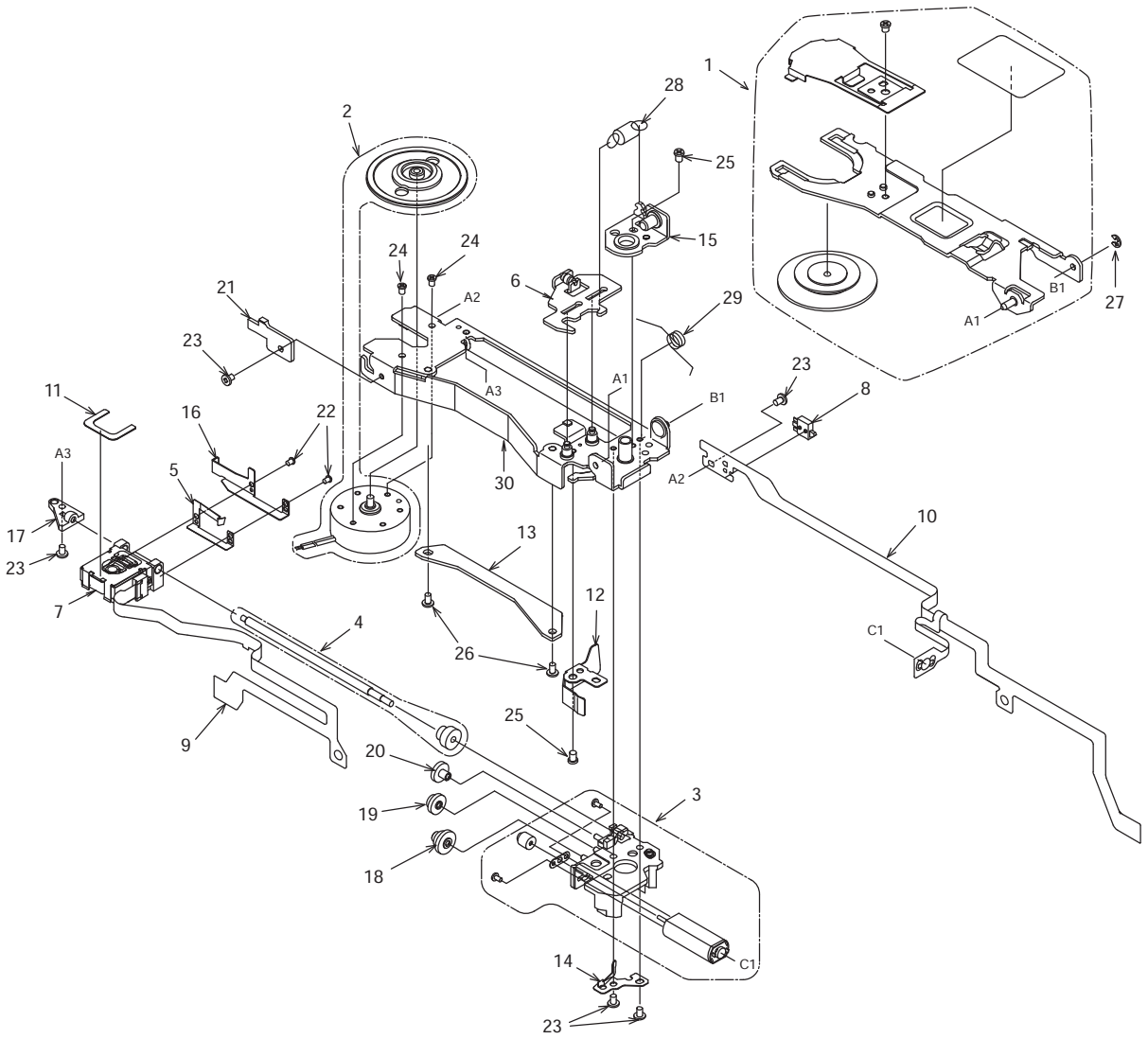


CD Changer Main chassis section

NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-562-100	LOADING UNIT (WITHOUT MOTOR)	1
2	SMA-186-100	LOADING MOTOR ASSY	1
3	HBS-530-100	MOTOR PLATE SUB ASSY	1
4	HBS-531-104	DRIVE UNIT	1
5	039-2447-20	CD PWB (WITHOUT COMPONENT)	1
6	039-2242-00	DRIVER PWB (WITHOUT COMPONENT)	1
7	966-1751-21	CHASSIS ASSY	1
8	966-0600-23	LOCK-P-RE-ASSY	1
9	966-0601-21	M-GEAR-P-ASSY	1
10	966-0602-26	DR-LINK-ASSY	1
11	966-0603-21	MODE-P-ASSY	1
12	966-0604-26	LOCK-PF-ASSY	1
13	966-0605-20	SHIFT-P-ASSY	1
14	966-1721-20	HLC-PLATE-ASSY	1
15	966-1788-22	COV-PLATE-ASSY	1
16	HBS-534-100	TOP-PLATE-ASSY	1
17	966-0652-24	DR-BASE-P-ASSY	1
18	966-0615-21	LOCK-L-RF-ASSY	1
19	966-0616-20	LOCK-L-LF-ASSY	1
20	966-0618-21	EJECT-B-ASSY	1
21	966-1742-20	DISC-HOL-ASSY	1
22	001-7042-00	LED(GL4800)	4
23	013-7414-50	DETECTOR SWITCH	1
24	039-1954-20	LED-L-PWB (WITHOUT COMPONENT)	1
25	039-1955-20	LED-R-PWB (WITHOUT COMPONENT)	1
26	039-1956-00	SENSOR PWB (WITHOUT COMPONENT)	1
27	039-2009-00	PIM-FPC	1
28	039-2010-00	PIV-FPC	1
29	039-2011-01	LED-FPC	1
30	039-2012-00	SENSOR-FPC	1
31	039-2013-04	MOS-FPC	1
32	039-2014-01	L-MOTOR-FPC (WITHOUT COMPONENT)	1
33	051-5806-01	IC(GPIS93)	1
34	051-5806-02	IC(GPIS95)	1
35	060-0252-01	PHOTO-TR	4
36	347-6657-01	LO-COVER SHEET	1
37	620-1041-26	GEAR PLATE	1
38	620-1042-20	M-GEAR-H	1
39	620-1056-22	HLR-PLATE-L	1
40	620-1580-20	HLR-PLATE-R	1
41	620-1576-20	LO-MOTOR-PLT	1

NO.	PART NO.	DESCRIPTION	Q'TY
42	620-1066-20	LOCK LINK-LR	1
43	620-1067-21	SLIDE PLATE-L	1
44	620-1068-22	SLIDE PLATE-R	1
45	620-1071-21	EJECT ARM	1
46	620-1072-20	EJECT PLATE	1
47	620-1577-20	FRONT PLATE	1
48	620-1083-20	FPC-PLATE	1
49	620-1090-20	GAP PLATE	1
50	620-1568-21	RATTLE PLATE-F	2
51	621-0640-20	V-GEAR-G	1
52	621-0641-21	PI-HOLDER-M	1
53	621-0656-21	PI-HOLDER-V	1
54	622-1622-20	SL-G-ROLLER	2
55	622-1623-00	SL-G-ROLLER-R	2
56	622-1648-23	DU-STP-SLEEVE	1
57	622-1650-23	COV-PLATE PIN-B	2
58	622-1651-00	LOCK-RE-ROLLER	1
59	622-1652-00	LOCK-PF-ROLLER	1
60	716-1866-50	SCREW (M1.7 x 3)	4
61	716-1873-00	SCREW (M2 x 1.6)	1
62	716-3449-50	SCREW (M2 x 3)	15
63	716-3450-00	SCREW (M1.7 x 2)	4
64	716-3451-01	SCREW (M1.7 x 2.5)	4
65	716-3459-01	SCREW (M1.7 x 5)	1
66	716-3466-53	SCREW	1
67	738-1422-1B	PRECISION SCREW	2
68	743-1200-10	E-RING	2
69	743-1500-10	E-RING	13
70	746-0624-00	WASHER	1
71	746-0712-23	WASHER	1
72	746-0761-00	WASHER	1
73	750-3478-01	TOP-P-SP-L	2
74	750-3479-01	TOP-P-SP-R	1
75	750-3480-01	DR-LOCK-SP	1
76	750-3483-00	EJECT-A-SPRING	1
77	750-3484-01	DR-BASE-SPRING	1
78	750-3485-01	TENSION-SP-L	1
79	750-3486-01	LO-TENSION-SP	1
80	750-3489-01	DRIVE-P-SPRING	1
81	750-3496-00	GAP-P-SPRING R	1
82	750-3497-00	GAP-P-SPRING L	1
83	750-6711-01	DU-STP-SPRING	1
84	750-6712-01	DR-LOCK-SP-B	1
85	347-7860-20	FPC COVER	1

CD Changer module : Drive unit section:HBS-531-104



NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-532-101	CLAMPER SUB ASSY	1
2	SMA-193-101	SPINDLE MOTOR ASSY	1
3	SMA-191-100	SLED MOTOR ASSY	1
4	HBS-515-103	LS-ASSY	1
5	620-1587-03	SH-SPRING	1
6	HBS-542-101	D-SHIFT-P-ASSY	1
7	969-0011-01	PICK UP-ASSY	1
8	013-7414-50	DETECT SWITCH	1
9	039-2015-02	P/U-FPC	1
10	039-2016-02	M/S-FPC	1
11	347-6632-00	PU-SHEET	1
12	620-1078-21	PUSH PLATE	1
13	620-1080-22	PU-GUIDE PLATE	1
14	620-1081-20	SCREW PUSH-PLT	1
15	966-0650-20	SPRING PLATE-ASSY	1

NO.	PART NO.	DESCRIPTION	Q'TY
16	620-1731-01	SCREW-HOL-PLT	1
17	621-0670-20	LS-HOLDER-L	1
18	621-0673-20	D-GEAR A	1
19	621-0674-20	D-GEAR B	1
20	621-0675-20	D-GEAR C	1
21	621-0683-21	DU-STOPPER	1
22	716-3511-01	SCREW (M1.4 x 1.8)	2
23	716-3470-01	SCREW (M1.7 x 3)	5
24	738-1720-1H	PRECISION SCREW	2
25	738-2025-1H	PRECISION SCREW	2
26	716-3474-01	SCREW (M1.7 x 3)	2
27	743-1500-20	E-RING	1
28	750-3487-00	SHIFT-P-SPRING	1
29	750-3504-00	CLAMP-A-SPRING	1
30	966-0649-02	DRIVE PLT-ASSY	1

DIFFERENCE FROM ORIGINAL ELECTRICAL PARTS LIST

Main PWB section(B1)

*Refer to the parts list on page 11-14 of original manual.

The following parts were changed.

REF No.	PART No.	DESCRIPTION
C102	188-1063-38	16V 10uF
C105	188-1053-68	50V 1uF
C106	188-6843-69	50V 10uF
C113	188-1073-28	10V 100uF
C119	042-0458-90	50V 1uF LN
C121	187-4763-37	16V 47uF
C124	188-1073-28	10V100uF
C128	187-4763-37	16V47uF
C135	188-1063-39	16V10uF
C138	188-3363-28	10V33uF
C156	188-4753-58	35V4.7uF
C157	188-4753-58	35V4.7uF
C201	188-4763-18	6.3V47uF
C207	188-1063-38	16V10uF
C208	188-1073-29	10V100uF
C307	188-4763-18	6.3V47uF
C401	189-1073-59	35V100uF
C402	188-1063-68	50V10uF
C403	189-4773-62	50V470uF
C404	189-4773-39	16V470uF
C406	189-4773-39	16V470uF
C407	188-1053-69	50V1uF
C418	042-0559-00	5.5V 0.1uF
C420	187-4763-37	16V47uF
C421	188-1063-38	16V10uF
C422	188-1073-28	10V100uF
C424	187-4763-37	16V47uF
C425	188-1063-38	16V10uF
C426	189-2273-39	16V220uF
C427	187-4763-37	16V47uF
C428	189-2273-39	16V220uF

REF No.	PART No.	DESCRIPTION
C500	188-1063-38	16V10uF
C503	188-1063-38	16V10uF
C507	188-1063-38	16V10uF
C509	188-1063-38	16V10uF
C510	188-1063-38	16V10uF
C513	188-1063-38	16V10uF
C514	188-1063-38	16V10uF
C616	042-1659-67	16V 100uF
C617	042-1659-67	16V 100uF
C621	042-1659-67	16V 100uF
C622	042-1659-67	16V 100uF
C623	187-4763-37	16V47uF
C624	188-4763-18	6.3V47uF
C625	042-1659-86	50V 1uF
C626	042-1659-86	50V 1uF
C629	042-1659-86	50V 1uF
C630	042-1659-86	50V 1uF
C639	042-1660-67	16V 10uF NP
C640	042-1660-67	16V 10uF NP
C707	187-4763-37	16V47uF
C709	188-4763-18	6.3V47uF
C710	188-4763-18	6.3V47uF
C711	042-1659-67	16V 100uF
C712	042-1659-67	16V 100uF
C713	042-1659-67	16V 100uF
C714	042-1659-67	16V 100uF
C724	189-1073-29	10V100uF
C738	042-1659-67	16V 100uF
C740	042-1659-67	16V 100uF
C746	188-4763-18	6.3V47uF
C748	042-1659-71	16V 100uF

REF No.	PART No.	DESCRIPTION
C749	042-1659-71	16V 100uF
C750	042-1659-71	16V 100uF
C751	042-1659-71	16V 100uF
C752	042-1659-71	16V 100uF
C753	042-1659-71	16V 100uF
C754	042-1659-71	16V 100uF
C755	042-1659-71	16V 100uF
C758	042-1659-71	16V 100uF
C759	042-1659-71	16V 100uF
C762	188-2253-68	50V2.2uF
C902	188-4753-58	35V4.7uF
C903	188-4753-58	35V4.7uF
C909	187-4763-37	16V47uF
C910	188-1073-28	10V100uF
C912	188-1053-68	50V1uF
C913	188-1063-38	16V10uF
D201	001-4301-33	HZU 5.6B3
D300	001-4301-32	HZU 5.6B2
D301	001-4301-32	HZU 5.6B2
D406	001-4301-25	HZU 4.7B1
D409	001-4301-39	HZU 6.8B3
D411	001-4301-48	HZU 9.1B3
D500	001-4301-21	HZU 3.9B2
D800	001-4301-32	HZU 5.6B2
D801	001-4301-32	HZU 5.6B2
IC302	052-3166-21	M30624MGA-596GP
R517	119-1811-15	1/16W 180 ohm
R735	119-5621-15	1/16W 5.6k ohm
R736	119-5621-15	1/16W 5.6k ohm

The following parts were added.

REF No.	PART No.	DESCRIPTION
C700	189-1073-29	10V 100uF
C701	168-1042-78	16V 0.1uF
C702	189-1073-29	10V 100uF
C703	188-1043-68	50V 0.1uF
C704	188-1043-68	50V 0.1uF
C705	188-1043-68	50V 0.1uF
C706	188-1043-68	50V 0.1uF
C717	168-1042-78	16V 0.1uF
C718	168-1042-78	16V 0.1uF

REF No.	PART No.	DESCRIPTION
C794	166-1811-50	180pF CH
C795	166-1811-50	180pF CH
IC700	051-0853-90	M5201FP
Q700	125-2004-92	RN1402
R701	119-8211-15	1/16W 820 ohm
R702	119-1021-15	1/16W 1k ohm
R703	119-4731-15	1/16W 47k ohm
R704	119-4731-15	1/16W 47k ohm
R705	119-4731-15	1/16W 47k ohm

REF No.	PART No.	DESCRIPTION
R706	119-4731-15	1/16W 47k ohm
R707	119-1041-15	1/16W 100k ohm
R708	119-1841-15	1/16W 180k ohm
R709	119-1841-15	1/16W 180k ohm
R710	119-1041-15	1/16W 100k ohm
R728	119-1231-15	1/16W 12k ohm
R729	119-1231-15	1/16W 12k ohm

Switch PWB(B2) section

*Refer to the parts list on page 14 of original manual.

The following parts were changed.

REF No.	PART No.	DESCRIPTION
D44	001-4301-24	HZU 4.3B3
D45	001-4301-42	HZU 7.5B3

ELECTRICAL PARTS LIST(CD changer mechanism)

CD Main PWB(B3) section

REF No.	PART No.	DESCRIPTION
C101	168-1045-56	0.1uF
C102	046-1032-78	0.01uF
C104	163-1073-15	6.3V 100uF
C106	163-1063-35	16V 10uF
C107	163-1073-15	6.3V 100uF
C108	168-1042-78	16V 0.1uF
C109	168-1042-78	16V 0.1uF
C110	168-1042-78	16V 0.1uF
C111	163-1073-35	16V 100uF
C112	168-2722-55	2700pF
C113	163-2263-35	16V 22uF
C114	163-2263-35	16V 22uF
C115	046-3312-58	330pF
C116	046-3312-58	330pF
C117	045-1011-50	100pF
C118	045-1011-50	100pF
C119	168-2722-55	2700pF
C120	046-1022-58	1000pF
C121	163-2263-35	16V 22uF
C122	046-1022-58	1000pF
C123	163-2263-35	16V 22uF
C124	042-0403-55	16V 33uF
C125	042-0403-55	16V 33uF
C502	168-1045-56	0.1uF
C503	046-1032-78	0.01uF
C504	168-1045-56	0.1uF
C506	046-1032-78	0.01uF
C507	046-1032-78	0.01uF
D103	001-0504-07	HZS4BLL
D104	001-0516-90	MA111
D105	001-0529-31	MA8056-L
D106	001-2601-90	MA728-TX
D107	001-2601-90	MA728-TX
IC501	051-9400-28	BR93LC46F-WE2
IC502	052-5047-15	M30621MCM-AS0GP
IC504	051-1407-90	NJM4556AM
J101	074-1189-95	45P
J102	074-1191-22	22P
L101	010-3071-65	18uH
L102	010-3407-68	33uH
P101	076-0478-55	PLUG
Q101	125-2004-92	RN1402
Q102	131-1188-50	2SB1188PQR
Q103	193-1758-00	2SD1758TK-P,Q,R
Q104	193-1758-00	2SD1758TK-P,Q,R
Q105	125-0014-92	DTA114EK
Q106	125-2004-92	RN1402
Q505	125-2004-92	RN1402
Q506	125-0014-92	DTA114EK
Q507	125-0002-92	RN2402
Q508	192-2712-00	2SC2712
Q509	125-2004-92	RN1402
R101	119-4711-15	1/10W 470 ohm
R102	033-2231-15	1/16W 22k ohm
R103	119-1821-15	1/10W 1.8k ohm
R104	033-1831-15	1/16W 18k ohm
R105	116-1211-15	1/4W 120 ohm
R107	033-4731-15	1/16W 47k ohm
R108	119-1031-15	1/10W 10k ohm
R109	119-1031-15	1/10W 10k ohm
R110	033-4741-15	1/16W 470k ohm
R111	033-4741-15	1/16W 470k ohm
R112	033-2731-15	1/16W 27k ohm
R113	033-2731-15	1/16W 27k ohm
R114	033-2731-15	1/16W 27k ohm
R115	033-2731-15	1/16W 27k ohm
R116	033-5611-15	1/16W 560 ohm
R117	033-5611-15	1/16W 560 ohm
R118	033-4731-15	1/16W 47k ohm
R119	033-4731-15	1/16W 47k ohm
R122	033-2241-15	1/16W 220k ohm
R126	033-2221-15	1/16W 2.2k ohm
R127	033-2221-15	1/16W 2.2k ohm
R128	033-1021-15	1/16W 1k ohm
R129	033-1021-15	1/16W 1k ohm
R130	033-2221-15	1/16W 2.2k ohm
R502	033-4731-15	1/16W 47k ohm
R503	033-4731-15	1/16W 47k ohm
R505	119-4731-15	1/10W 47k ohm
R506	033-1041-15	1/16W 100k ohm
R507	033-0000-05	1/16W 0 ohm
R512	050-0145-54	1/16W 47k ohmx4
R513	033-1041-15	1/16W 100k ohm
R514	033-2241-15	1/16W 220k ohm
R515	033-2241-15	1/16W 220k ohm
R516	033-2241-15	1/16W 220k ohm
R517	033-1041-15	1/16W 100k ohm
R518	033-2241-15	1/16W 220k ohm
R519	033-0000-05	1/16W 0 ohm
R522	033-1041-15	1/16W 100k ohm
R524	033-1041-15	1/16W 100k ohm
R526	033-4731-15	1/16W 47k ohm
R529	033-1021-15	1/16W 1k ohm
R531	033-1021-15	1/16W 1k ohm
R532	033-1021-15	1/16W 1k ohm
R533	033-1021-15	1/16W 1k ohm
R535	033-2231-15	1/16W 22k ohm
R536	033-2231-15	1/16W 22k ohm
R538	033-1031-15	1/16W 10k ohm
R539	033-5631-15	1/16W 56k ohm
R540	033-1041-15	1/16W 100k ohm
R541	033-1021-15	1/16W 1k ohm
R542	033-4721-15	1/16W 4.7k ohm
R546	033-1031-15	1/16W 10k ohm
X501	060-1505-50	10MHz
PWB	039-2448-20	PWB(WITHOUT COMPONENT)

CD PWB(B4) section

REF No.	PART No.	DESCRIPTION
C1	045-1201-50	12pF
C2	046-1022-58	1000pF
C3	168-1042-78	16V 0.1uF
C4	042-0636-54	4V 220uF
C5	168-1042-78	16V 0.1uF
C6	046-1032-78	0.01uF
C7	168-1042-78	16V 0.1uF
C8	178-4742-78	0.47uF
C9	178-2242-78	0.22uF
C10	168-1042-78	16V 0.1uF
C11	168-1042-78	16V 0.1uF
C12	168-1042-78	16V 0.1uF
C13	046-2232-78	0.022uF
C14	168-5612-55	560pF
C15	168-1042-78	16V 0.1uF
C16	046-2212-58	220pF
C17	046-2212-58	220pF
C18	168-1222-55	1200pF
C19	046-3322-58	3300pF
C20	168-3932-78	0.039uF
C21	168-3932-78	0.039uF
C22	042-0416-52	10V 10uFTAN
C23	045-1201-50	12pF
C25	178-1052-78	1uF
C26	042-0472-91	16V 47uF
C27	178-3342-78	0.33uF
C29	168-2732-55	16V 0.027uF
C30	042-0416-58	4V 100uF
C31	042-0636-52	4V 47uF
C32	046-1022-58	1000pF
C33	046-3322-58	3300pF
C34	168-2732-55	16V 0.027uF
C35	178-2742-78	0.27uF
C36	178-1052-78	1uF
C37	168-1042-78	16V 0.1uF
C38	042-0472-91	16V 47uF
C39	042-0636-50	6.3V 100uF
C40	045-1211-50	120pF
C41	045-1011-50	100pF
C42	168-1042-78	16V 0.1uF
C43	042-0636-52	4V 47uF
C50	168-1042-78	16V 0.1uF
C51	168-1042-78	16V 0.1uF
C60	168-5612-55	560pF
C61	045-1201-50	12pF
D1	001-0367-91	1SS226
IC1	051-6365-00	MN662785TBUC
IC2	051-9318-00	MSM51V17400D
IC3	051-6060-08	BD7961FM-E2
IC4	051-5711-90	AN8882SB-E1
J1	074-1189-95	45P
J4	074-1138-56	6P
J5	074-1201-65	15P
J6	074-1059-76	26P
L2	010-2155-93	10uH
Q2	131-1188-00	2SB1188
Q3	131-1188-00	2SB1188
R2	033-1041-15	1/16W 100k ohm
R3	033-3311-15	1/16W 330 ohm
R4	033-6811-15	1/16W 680 ohm
R5	033-1041-15	1/16W 100k ohm
R6	033-3931-15	1/16W 39k ohm
R7	033-1041-15	1/16W 100k ohm
R8	033-5611-15	1/16W 560 ohm
R9	033-5611-15	1/16W 560 ohm
R10	033-1011-15	1/16W 100 ohm
R11	033-3911-15	1/16W 390 ohm
R12	033-2221-15	1/16W 2.2k ohm
R13	033-6831-15	1/16W 68k ohm
R14	033-5621-15	1/16W 5.6k ohm
R15	033-1021-15	1/16W 1k ohm
R16	033-5631-15	1/16W 56k ohm
R17	033-1031-15	1/16W 10k ohm
R18	033-1031-15	1/16W 10k ohm
R19	033-5621-15	1/16W 5.6k ohm
R20	033-6831-15	1/16W 68k ohm
R21	033-5621-15	1/16W 5.6k ohm
R22	033-1031-15	1/16W 10k ohm
R23	033-1031-15	1/16W 10k ohm
R24	033-4731-15	1/16W 47k ohm
R25	033-3931-15	1/16W 39k ohm
R26	033-6831-15	1/16W 68k ohm
R27	033-6831-15	1/16W 68k ohm
R28	033-1031-15	1/16W 10k ohm
R29	033-2201-15	1/16W 22 ohm
R31	033-8211-15	1/16W 820 ohm
R32	033-5631-15	1/16W 56k ohm
R33	033-6831-15	1/16W 68k ohm
R34	033-3331-15	1/16W 33k ohm
R35	033-6831-15	1/16W 68k ohm

REF No.	PART No.	DESCRIPTION
R38	033-3931-15	1/16W 39k ohm
R39	033-1831-15	1/16W 18k ohm
R40	117-1001-15	1/8W 10 ohm
R41	033-6821-15	1/16W 6.8k ohm
R42	033-6821-15	1/16W 6.8k ohm
R43	033-3331-15	1/16W 33k ohm

REF No.	PART No.	DESCRIPTION
R44	033-5631-15	1/16W 56k ohm
R45	116-4711-15	1/4W 470 ohm
R46	117-1811-15	1/8W 180 ohm
R47	116-4711-15	1/4W 470 ohm
R48	033-1031-15	1/16W 10k ohm
R49	033-1011-15	1/16W 100 ohm

REF No.	PART No.	DESCRIPTION
R50	050-0145-54	1/16W 47k ohm x4
R60	033-2221-15	1/16W 2.2k ohm
TM1	073-0768-90	TERMIMAL
X2	061-3525-90	33.8688MHz
PWB	039-2447-20	PWB(WITHOUT COMPONENT)

Sensor PWB(B5) section

REF No.	PART No.	DESCRIPTION
PT3	060-0252-01	PT4850F
PT4	060-0252-01	PT4850F
PT5	060-0252-01	PT4850F
PT6	060-0252-01	PT4850F

REF No.	PART No.	DESCRIPTION
S1	013-7414-50	SPVG22
PWB	039-1956-00	PWB(WITHOUT COMPONENT)

PIM-FPC(B6) section

REF No.	PART No.	DESCRIPTION
IC5	051-5806-02	GPIS95

Driver PWB(B7) section

REF No.	PART No.	DESCRIPTION
C1	168-1045-56	0.1uF
C2	163-1073-35	16V100uF
D1	001-0529-29	MA8051-M
IC1	051-6044-18	BA6920FP-Y

REF No.	PART No.	DESCRIPTION
J1	074-1239-76	26P
J2	074-1100-59	9P
R1	033-1021-15	1/16W 1k ohm
R2	032-0104-59	1/4W 2.2 ohm

REF No.	PART No.	DESCRIPTION
R3	032-0104-59	1/4W 2.2 ohm
S1	013-7412-50	SPVG21
PWB	039-2242-00	PWB(WITHOUT COMPONENT)

PIV-FPC(B8) section

REF No.	PART No.	DESCRIPTION
IC6	051-5806-01	GPIS93

LED-L-PWB(B9) section

REF No.	PART No.	DESCRIPTION
LED3	001-7042-00	GL4800
LED4	001-7042-00	GL4800
PWB	039-1954-20	PWB(WITHOUT COMPONENT)

LED-R-PWB(B10) section

REF No.	PART No.	DESCRIPTION
LED5	001-7042-00	GL4800
LED6	001-7042-00	GL4800
PWB	039-1955-20	PWB(WITHOUT COMPONENT)

L-Motor-FPC(B11) section

REF No.	PART No.	DESCRIPTION
M1	SMA-186-100	LOADING

M/S-FPC(B12) section

REF No.	PART No.	DESCRIPTION
M2	SMA-193-101	SPINDLE
M3	SMA-191-100	SLED
S2	013-7414-50	SPVG22