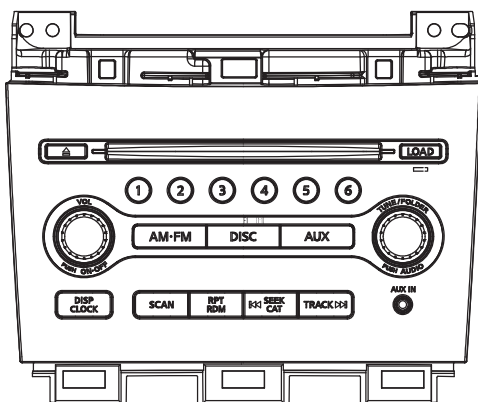


Service Manual



NISSAN Motor Genuine
 6CD AM/FM Radio Combination

Model PN-3017D-C
 (Genuine No.28185 ZX75A)
 (ID No. CY07H)

ORIGINAL SERVICE MANUAL

The original model of PN-3017D-C is PN-3017D-A. This additional service manual is designed to be used together with the service manual of PN-3017D-A.

Original model	Manual No.
PN-3017D-A	298-6608-00

MECHANISM SERVICE MANUAL

Please refer to the following service manual for the CD mechanism.

CD Mechanism No	Manual No.
929-0410-80	298-6804-00

COMPONENT

PN-3017D-C

1. Main unit ----- 1

EXPLODED VIEW/PARTS LIST

The following parts are different from the original manual.
 Other parts are the same as PN-3017D-A.

Escutcheon section

Please refer to page 5 of the original manual.

NO.	PART NO.	DESCRIPTION	Q'TY
1	947-0695-32	BACK PLATE-ASSY	1
2	370-6538-05	ESCUTCHEON	1

* NO.1 : This part of PN-3017D-A changed to the same part number as PN-3017D-C.

Main section

Please refer to page 6 of the original manual.

NO.	PART NO.	DESCRIPTION	Q'TY
5	309-0850-02	ES PLATE	1
6	929-0410-80	CD-CHANG-MODULE	1
16	276-0066-28	SETPLATE	1
17	-----	(UNUSED)	-

* NO.5, NO.6 : These parts of PN-3017D-A changed to the same part number as PN-3017D-C.

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions in soldering

Please do not spread liquid flux in soldering.

Please do not wash the soldering point after soldering.

6. Cautions in soldering for chip capacitors

Please solder the chip capacitors after pre-heating for replacement because they are very weak to heat.

Please do not heat the chip capacitors with a soldering iron directly.

7. Cautions in handling for chip parts.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc).

Please make an operation test after replacement.

8. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

9. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

10. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

11. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

11-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

11-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

11-3. Cleaning the lens

Dust on the optical lens affects performance.

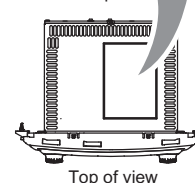
To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

CAUTION

Use of controls, adjustment, or performance of procedures other than those specified herein, may result in hazardous radiation exposure. The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.

NISSAN [] []	
MODEL NO.	[] [] []
12V(-)GROUND	
SERIAL NO.	[] [] []
[] [] [] [] [] [] [] []	
MANUFACTURED	
This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.	
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.	
THIS PRODUCTION COMPLIES WITH DHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.	
MOUNT SCREW	FREQUENCY RANGE
	AM: [] [] []
5x8 mm MAX	FM: [] [] []
ongguan Clanton Orient Electronics Co., Ltd. Jundia Industrial Zone, Dong Keng Industrial Road, Dong Keng Town Dongguan, Guangdong Province 511734, The People's Republic of China MADE IN CHINA PART No. [] [] [] []	

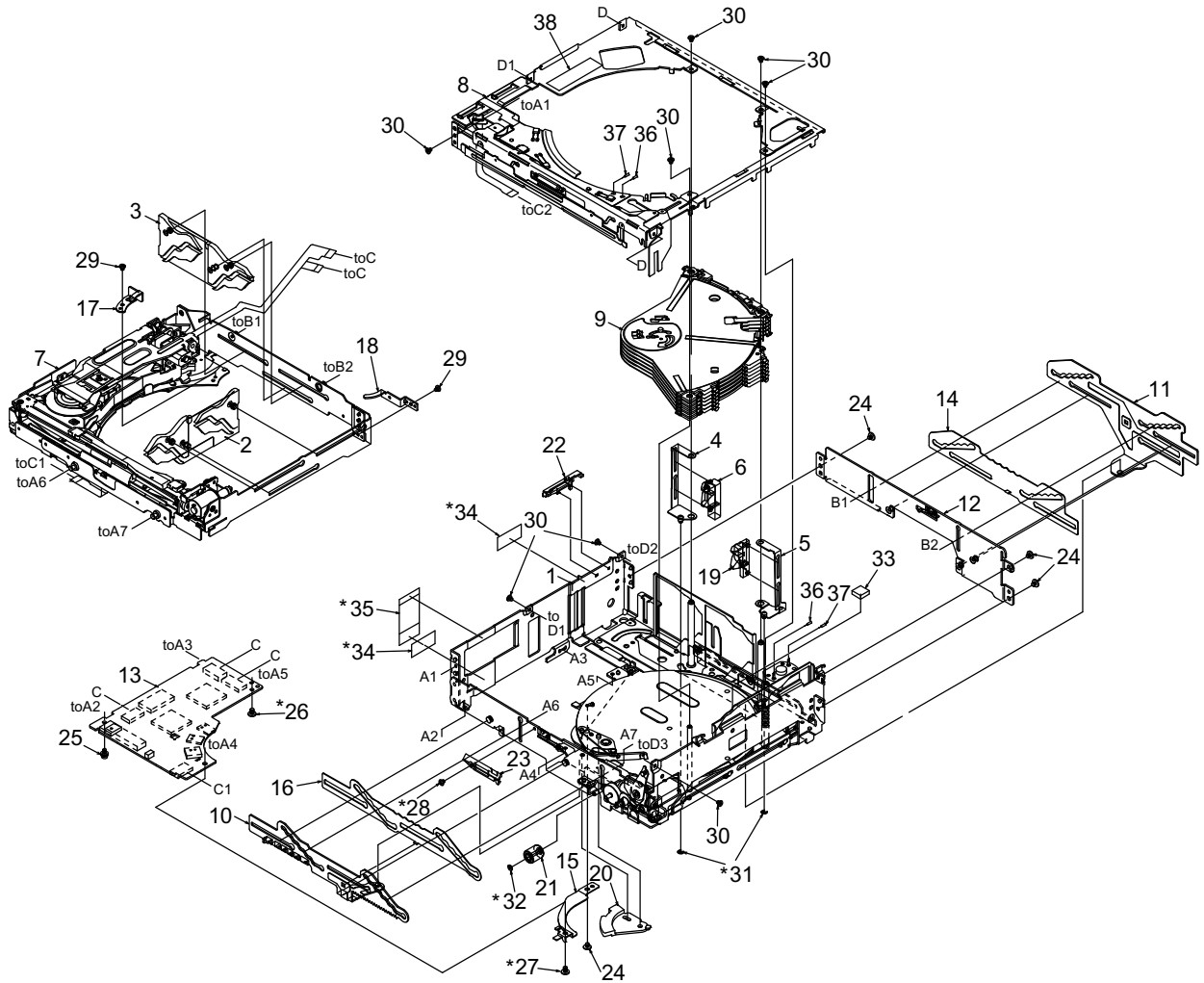
Setplate



Top of view

EXPLODED VIEW/PARTS LIST

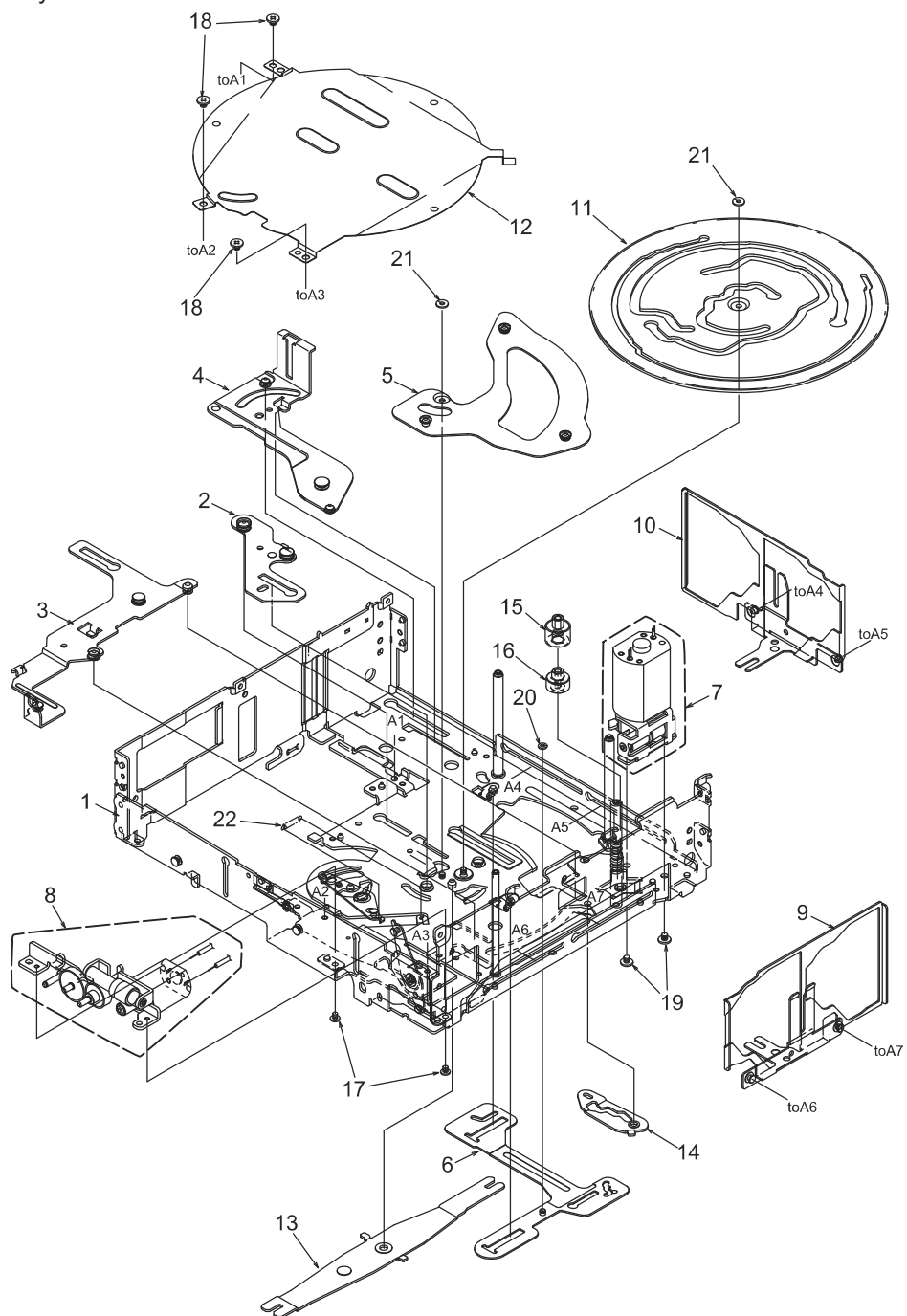
Main section



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

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	-----	LOWER UNIT ASSY	1	20	621-1812-20	SW LINK	1
2	HBS-617-100	KUSABI-ASSY-S	1	21	621-1765-21	UD-GEAR-D	1
3	HBS-618-100	KUSABI-ASSY-R	1	22	621-1715-20	FPC-STOPPER	1
4	966-1846-20	DS-SP-ASSY L	1	23	621-1763-20	LOADING GUIDE B	1
5	966-1847-21	DS-SP ASSY R	1	24	716-1850-01	SCREW(M2.0x2)	4
6	966-1898-21	DISC STP-ASSY L	1	25	716-3598-00	SCREW(M2.0x4)	1
7	966-1899-20	DRIVE-CH UNIT	1	26	716-3599-00	SCREW(M2.0x2 sealock)	1
8	966-1840-23	UPPER UNIT ASSY	1	27	716-3600-00	SCREW(M2.0x3 sealock)	1
9	HBS-602-100	DISCHOLDER UNIT	1	28	716-3601-00	SCREW(M1.7x2 sealock)	1
10	966-1771-21	SLIDE-P-ASSY	1	29	716-3450-00	SCREW(M1.7x2.0)	2
11	966-1814-21	SLIDE-P-ASSY-R	1	30	716-3451-01	SCREW(M1.7x2.5)	8
12	966-1874-20	REAR-P-ASSY R	1	31	744-0045-01	C-RING	2
13	HBS-658-100	CD PWB ASSY	1	32	746-0761-00	WASHER	1
14	620-1662-21	GAP PLATE R	1	33	345-5824-00	RUBBER PART	1
15	620-1640-20	SW-H-PLATE	1	34	347-8230-00	PROTECT SHEET	2
16	620-1778-21	GAP PLATE F	1	35	347-8219-00	FPC-SHEET N	1
17	620-1685-21	DS-PLATE L	1	36	800-4921-60	VINYL-COAT-WIRE	1
18	620-1686-20	DS-PLATE R	1	37	802-4921-60	VINYL-COAT-WIRE	1
19	621-1819-20	DISC STOPPER R	1	38	293-8575-00	MECH LABEL	1

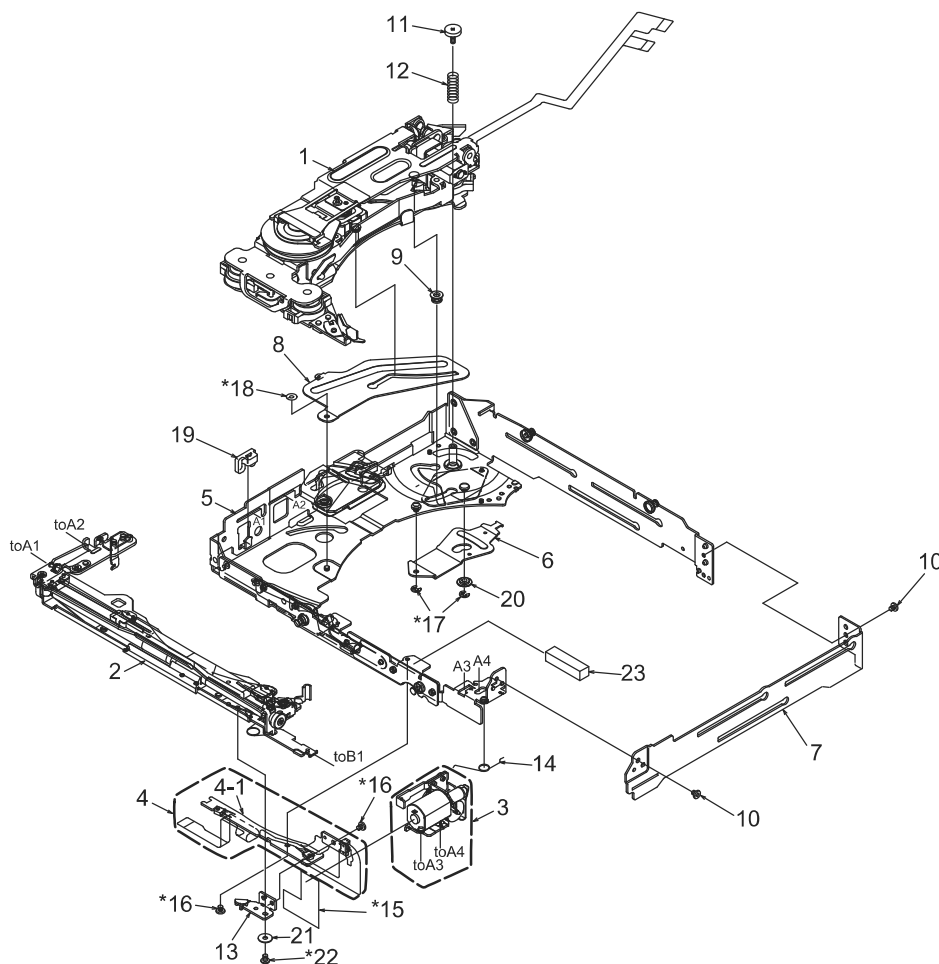
Lower unit assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-1834-24	LOWER-C-ASSY	1
2	966-0658-22	DH-SP-ASSY	1
3	966-1836-22	TATSU-P-ASSY	1
4	966-1832-20	D-SHT PL-B-ASSY	1
5	966-0659-22	DH-SP-ASSY B	1
6	966-1835-24	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	620-1869-20	DS-SHIFT LINK	1
15	621-1811-21	M-GEAR B	1
16	621-0733-21	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

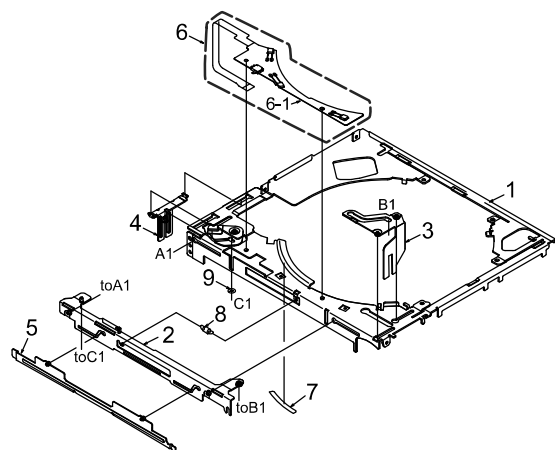
Drive-CH unit section



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

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-656-100	N-DRIVE UNIT	1	12	750-6852-20	DRIVE SPRING A	1
2	HBS-612-100	LOADING-U-ASSY	1	13	620-1831-21	S-PWB PLATE	1
3	HBS-615-100	LO-MOTOR-S-ASSY	1	14	750-6754-20	LO-ES-SPRING B	1
4	HBS-614-100	L-SEN-FPC-ASSY	1	15	345-5424-01	SEN-FPC GUIDE	1
4-1	-----	SENSOR-L-FPC	1	16	716-3601-00	SCREW(M1.7x2 sealock)	2
5	966-1828-22	DRIVE-CH A-ASSY	1	17	743-1500-1B	E-RING	2
6	620-1838-21	D-SHIFT LINK A	1	18	746-0870-00	WASHER	1
7	620-1837-20	DRIVE CHASSIS B	1	19	621-1807-00	RUBBER PART	1
8	620-1836-20	DR-SUPPORT-PL	1	20	622-1850-20	D-SHIFT ROLLERE	1
9	622-1743-21	D-SHIFT ROLLER B	1	21	347-8392-00	FPC WASHER	1
10	716-3450-00	SCREW(M1.7x2)	2	22	716-3451-02	SCREW(M1.7x2.5 sealock)	1
11	716-3603-00	SCREW(M1.7x5)	1	23	345-5868-01	RUBBER PART	1

Upper unit assy section



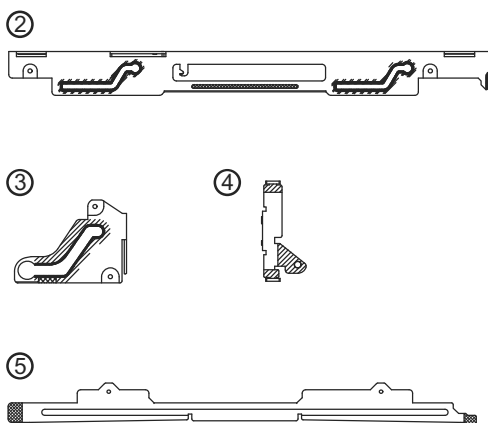
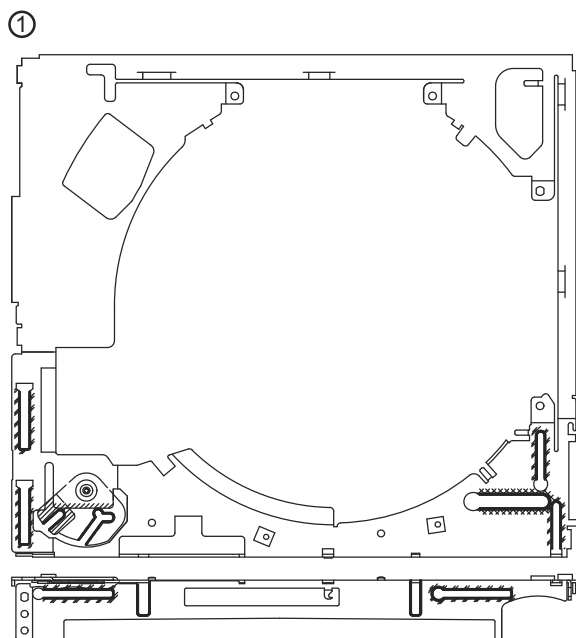
* Do not reuse the following parts.
(No.6,7,9)

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	750-6850-21	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

* The parts of the same reference number are alternative

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	168-1052-78	16V 1uF K	C75	168-1042-78	16V 0.1uF K	R13	119-1011-15	1/10W 100 ohm
C3	168-1042-78	16V 0.1uF K	C76	168-5622-55	5600pF K	R14	119-2231-15	1/10W 22k ohm
C4	043-0559-90	6.3V 22uF	C77	168-1032-55	0.01uF K	R15	119-8231-15	1/10W 82k ohm
C5	168-1032-55	0.01uF K	C79	166-1501-50	15pF CH	R16	119-1041-15	1/10W 100k ohm
C6	042-1702-90	6.3V 100uF	C80	166-1501-50	15pF CH	R17	119-1041-15	1/10W 100k ohm
C7	168-1052-78	16V 1uF K	C81	168-3332-78	0.033uF K	R18	119-1041-15	1/10W 100k ohm
C9	168-1052-78	16V 1uF K	C101	043-0563-90	16V 47uF	R19	119-1041-15	1/10W 100k ohm
C11	168-1052-78	16V 1uF K	CCT1	050-0145-59	1/16W 22 ohm x4	R20	119-1041-15	1/10W 100k ohm
C12	042-0671-01	10V 47uF TA	CCT2	050-0145-54	1/16W 47k ohm x4	R21	119-2221-15	1/10W 2.2k ohm
C13	168-1052-78	16V 1uF K	CCT3	050-0145-54	1/16W 47k ohm x4	R22	119-4711-15	1/10W 470 ohm
C14	168-1042-78	16V 0.1uF K	CCT4	050-0145-55	1/16W 10k ohm x4	R23	119-1051-15	1/10W 1M ohm
C15	168-1052-78	16V 1uF K	CCT5	050-0140-55	1/32W 2.2k ohmx4J	R24	119-2211-15	1/10W 220 ohm
C16	043-0559-90	6.3V 22uF	D1	001-4301-14	HZU 3.0B1	R25	119-2211-15	1/10W 220 ohm
C17	168-1032-55	0.01uF K	D1	001-0529-14	MA8030-L	R26	119-1041-15	1/10W 100k ohm
C18	168-1052-78	16V 1uF K	D2	001-0367-91	1SS226	R28	119-1041-15	1/10W 100k ohm
C19	043-0559-90	6.3V 22uF	D3	001-4301-13	HZU 2.7B2	R29	119-1041-15	1/10W 100k ohm
C20	168-1042-78	16V 0.1uF K	D3	001-0529-13	MA8027H-TX	R30	119-4701-15	1/10W 47 ohm
C21	168-1032-55	0.01uF K	D4	001-4301-18	HZU 3.6B1	R31	119-2201-15	1/10W 22 ohm
C23	043-0559-90	6.3V 22uF	D4	001-0529-18	MA8036-L	R33	119-2211-15	1/10W 220 ohm
C24	043-0559-90	6.3V 22uF	D5	001-2612-90	RB520S-30	R35	119-1051-15	1/10W 1M ohm
C25	168-4732-78	0.047uF K	D6	001-2612-90	RB520S-30	R36	119-4721-15	1/10W 4.7k ohm
C26	166-4711-50	470pF CH	D7	001-9210-50	AVR-	R37	119-4731-15	1/10W 47k ohm
C28	168-4732-78	0.047uF K			M1608C270MTAAD	R38	119-2231-15	1/10W 22k ohm
C29	166-4711-50	470pF CH	D8	001-9210-50	AVR-	R39	119-1041-15	1/10W 100k ohm
C30	166-1007-50	10pF CH			M1608C270MTAAD	R40	119-4721-15	1/10W 4.7k ohm
C31	166-1007-50	10pF CH	IC2	052-5071-32	TMP91CY22IFG-7BH6	R41	119-4731-15	1/10W 47k ohm
C32	168-1042-78	16V 0.1uF K			TC94A70FG-010	R43	119-4731-15	1/10W 47k ohm
C33	168-2222-55	2200pF K	IC3	051-6733-30	BD7961FM-E2	R44	119-2201-15	1/10W 22 ohm
C34	168-1042-78	16V 0.1uF K	IC4	051-6060-08	BD5227G-TR	R45	119-1511-15	1/10W 150 ohm
C35	168-1042-78	16V 0.1uF K	IC5	051-5445-08	BR93L56RFVM-W	R46	119-4721-15	1/10W 4.7k ohm
C36	168-1042-78	16V 0.1uF K	IC8	051-9402-78	BD7931FE2	R48	119-1041-15	1/10W 100k ohm
C37	168-6822-55	6800pF K	IC9	051-6072-08	GP1S093HCZ	R49	119-0000-05	1/10W 0 ohm JW
C39	168-1042-78	16V 0.1uF K	IC10	051-5833-00	S-1323B15NB-N8ATFG	R50	119-2211-15	1/10W 220 ohm
C40	168-3332-78	0.033uF K	IC11	051-3392-90	19P	R51	119-0000-05	1/10W 0 ohm JW
C41	168-1042-78	16V 0.1uF K	J1	074-1237-69	15P	R52	119-1041-15	1/10W 100k ohm
C42	168-1042-78	16V 0.1uF K	J2	074-1201-65	6P	R53	119-5621-15	1/10W 5.6k ohm
C43	168-1042-78	16V 0.1uF K	J3	074-1138-56	11P	R55	119-3341-15	1/10W 330k ohm
C45	168-1042-78	16V 0.1uF K	J4	074-1100-61	11P	R56	119-4731-15	1/10W 47k ohm
C46	168-1042-78	16V 0.1uF K	J5	074-1201-61	PT4850F	R57	119-2231-15	1/10W 22k ohm
C48	168-1042-78	16V 0.1uF K	Q1	060-0252-01	DTA114EUA	R58	119-0000-05	1/10W 0 ohm JW
C49	168-1042-78	16V 0.1uF K	Q2	125-0021-91	2SK3018	R59	119-1511-15	1/10W 150 ohm
C50	168-1042-78	16V 0.1uF K	Q3	198-3018-00	2SA2060	R60	119-4731-15	1/10W 47k ohm
C51	168-1042-78	16V 0.1uF K	Q4	190-2060-00	2SA2060	R61	119-1041-15	1/10W 100k ohm
C52	168-5622-55	5600pF K	Q8	190-2060-00	IMF29	R62	119-1041-15	1/10W 100k ohm
C53	168-1042-78	16V 0.1uF K	Q9	125-9026-90	DTC114EUA	R63	119-1041-15	1/10W 100k ohm
C54	166-6801-50	68pF CH	Q10	125-2027-91	DTA114EUA	R64	119-1011-15	1/10W 100 ohm
C55	168-1532-55	0.015uF K	Q11	125-0021-91	DTC114EUA	R65	119-1041-15	1/10W 100k ohm
C56	168-1042-78	16V 0.1uF K	Q12	125-2027-91	IMF29	R66	117-5611-15	1/8W 560 ohm
C57	168-1032-55	0.01uF K	Q13	125-9026-90	1/10W 680 ohm	R67	117-7511-15	1/8W 750 ohm
C58	168-1042-78	16V 0.1uF K	R1	119-6811-15	1/10W 680 ohm	R68	117-7511-15	1/8W 750 ohm
C59	168-1042-78	16V 0.1uF K	R2	119-6811-15	1/2W 10 ohm	R69	119-1041-15	1/10W 100k ohm
C60	168-1522-55	1500pF K	R3	032-0163-91	1/2W 10 ohm	R81	116-1591-15	1/4W 1.5 ohm
C61	168-3322-55	3300pF K	R4	032-0163-91	1/10W 22k ohm	R201	119-0000-05	1/10W 0 ohm JW
C62	168-1032-55	0.01uF K	R5	119-2231-15	1/4W 10 ohm	R212	119-1041-15	1/10W 100k ohm
C64	168-1042-78	16V 0.1uF K	R6	116-1001-15	1/10W 1k ohm	S1	013-7416-50	SPVL110200
C65	168-1032-55	0.01uF K	R7	119-1021-15	1/4W 1.5 ohm	S2	013-7416-50	SPVL110200
C67	168-1032-55	0.01uF K	R8	116-1591-15	1/10W 22k ohm	S3	013-7412-50	SPVG21
C69	168-1532-55	0.015uF K	R9	119-2231-15	1/10W 470 ohm	S4	013-7415-50	SPVG110400
C70	166-4701-50	47pF CH	R10	119-4711-15	1/10W 220 ohm	X1	061-3534-90	16.92MHz
C71	168-1042-78	16V 0.1uF K	R11	119-2211-15	1/10W 680 ohm	X3	060-1545-90	20MHz
C72	168-1042-78	16V 0.1uF K	R12	119-6811-15		PWB	039-3026-20	PWB(WITHOUT COMPONENT)
C74	166-6097-50	6pF CH						

Sensor-L-PFC(BM2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
PT1	060-0252-01	PT4850F	PT3	051-5833-00	GP1S093HCZ	PWB	039-3003-20	PWB(WITHOUT COMPONENTS)
PT2	060-0252-01	PT4850F						

Sensor-U-PFC(BM3) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
LED1	001-7077-00	GL4804	LED3	001-7042-00	GL4800	PWB	039-3004-20	PWB(WITHOUT COMPONENTS)
LED2	001-7042-00	GL4800	S5	013-7417-50	ABC1122P161			