

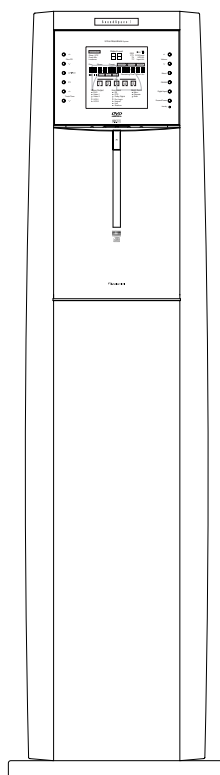
Service Manual

Home Theater System

SoundSpace 10

SoundSpace 11

SoundSpace 21



 Nakamichi

GENERAL

1.1. Product Codes

(1) SoundSpace 10

D202

(2) SoundSpace 11

D207

N209GN0A SS-11 Floor Stand CNT

N210GN0A SS-11 Floor Stand SP A 5/6

N210GN0B SS-11 Floor Stand SP B 6/6

(3) SoundSpace 21

D204

S357GN0A Floor SP A

S357GN0B Floor SP B

S357GN0C Floor SP C

S357GN0D Floor SP D

S358 SP Center Woofer L

S359 SP Woofer R

Abbreviations for Destinations:

CAN — Canada CH — China

DA — South America

EP — Europe HK — Hong Kong

JPN — Japan KR — Korea

OTR — Other TW — Taiwan

UK — United Kingdom

USA — U.S.A. AUS — Australia

ML — Malaysia

1.2. System Configuration

The SoundSpace 10, 11 and 21 consist of the following units.

(1) SoundSpace 10/11 Configuration

See Figs. 1.1 and 1.2.

● Main Unit (See pages 1-1, 1-2, ... in this manual)

Controls entire of the System. Mainly consists of the following sections:

- Microprocessor section
- Display control section
- 5-Disc Changer section (Mechanism section)

● A/V Tuner/Processor Unit

(See pages 2-1, 2-2, ... in this manual)

Mainly consists of the followings:

- Tuner section
- Audio/video signal processing section
- Audio/video amp. section
- Power supply section

● Subwoofer L/R Unit

(See pages 3-1, 3-2, ... in this manual)

- Power amp. section
- Power supply section

● Satellite Speakers

(See pages 4-1, 4-2, ... in this manual)

- Front L and R speakers
- Rear L and R speakers
- Center speaker

● Main Remote Control/Sub Remote Control

● Floor Stands (SS-11 only)

- Floor stand for Main Unit
- Floor stand for Front L/R Speaker
- Floor stand for Rear L/R Speaker

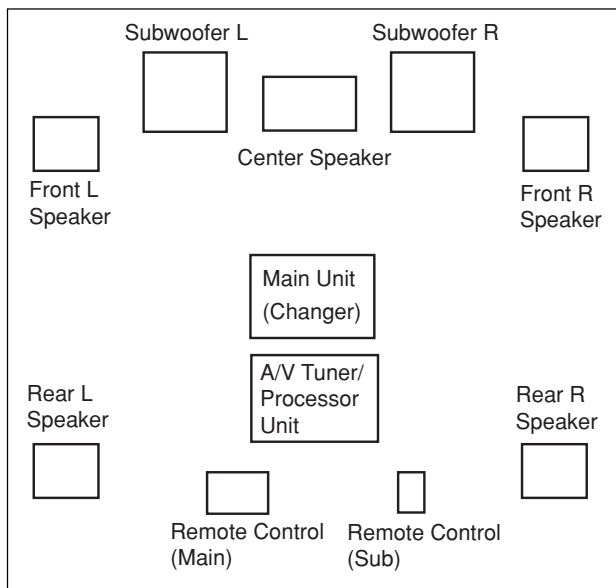


Fig. 1.1 SS-10 Configuration

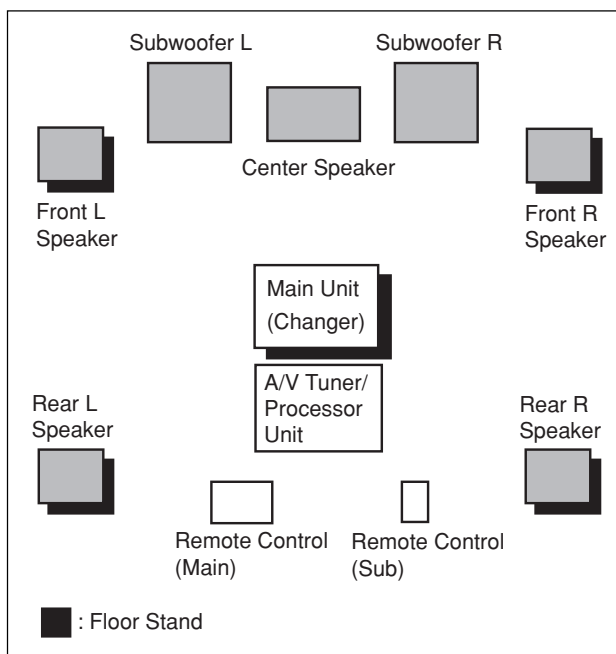


Fig. 1.2 SS-11 Configuration

(2) SoundSpace 21 Configuration

See Fig. 1.3.

● Main Unit (See pages 1-1, 1-2, ... in this manual)

Controls entire of the System. Mainly consists of the following sections:

- Floor Stand Ass'y
- Microprocessor section
- Display control section
- 5-Disc Changer section (Mechanism section)

● A/V Tuner/Processor Unit

(See pages 2-1, 2-2, ... in this manual)

Mainly consists of the followings:

- Tuner section
- Audio/video signal processing section
- Audio/video amp. section
- Power supply section

● Subwoofer L/R Unit

(See pages 3-1, 3-2, ... in this manual)

- Power amp. section
- Power supply section

● Satellite Speakers

(See pages 5-1, 5-2, ... in this manual)

- Front L and R speakers (Movable type)
- Rear L and R speakers (Movable type)
- Center speaker

● Main Remote Control/Sub Remote Control

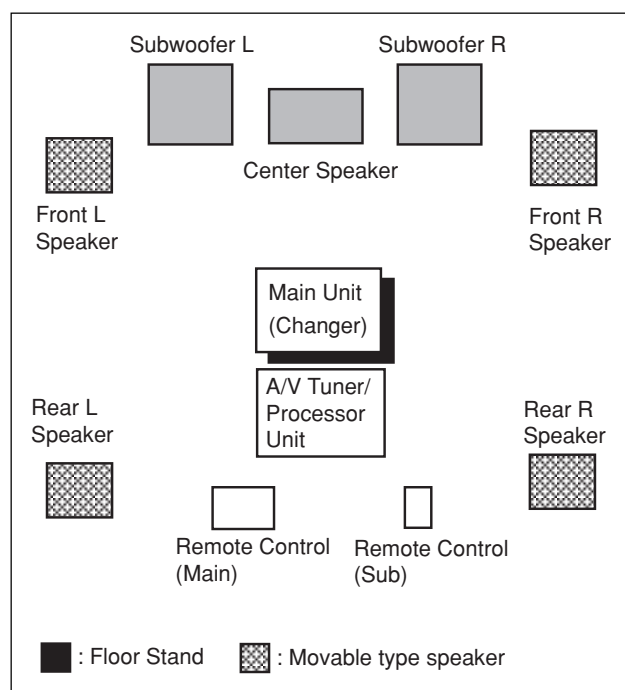


Fig. 1.3 SS-21 Configuration

1.3. Cautions/Warnings

(1) Product Safety Notice

Parts marked with the symbol  in the schematic diagram have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

(2) Leakage Current Check/Resistance Check

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

(3) Protection of Eyes from Laser Beam

To protect eyes from invisible laser beam during servicing, **DO NOT LOOK AT THE LASER BEAM** on the Changer.

(4) Laser Caution

CAUTION

Adjusting the knobs, switches, and controls, etc. or taking actions not specified herein may result in a harmful emission of laser beams. This Changer must be adjusted and repaired only by qualified service personnel.

OBSERVERA!

Sådana inställningar av rattarna, omkopplarna eller övriga kontrollknappar som inte är beskrivna i bruksanvisningen kan resultera i farlig laserutstrålning. Justering eller reparation av denna kompaktskivspelare skall endast utföras av kvalificerad servicepersonal.

OBS!

Indstilling af knapper, omskiftere og øvrige kontrolknapper, som ikke følger den i brugsanvisningen beskrevne måde, kan resultere i farlig laserudstråling. Justering eller reparation af denne CD-afspiller må kun udføres af kvalificeret servicepersonale.

OBS!

Justering av ratt, brytare og kontroller andre enn de som er beskrevet her, kan resultere i farlig laserbestråling. Justering eller reparasjon av denne kompaktdiskspilleren må bare utføres av kvalifiserte fagfolk.

HUOMAUTUS

Jos nuppeja, kytkimiä ja säätimiä ym, säädetään tai laitetta käytetään toisella tavalla kuin on selostettu, tuloksena saat-
taa olla vaarallista lasersäteiden vuotoa. CD-soittimen säätö ja korjaus on jätettävä aina asiantuntevan huoltoteknikon tehtäväksi.

ADVERSEL: USYNLIG LASERSTRÅLING VED ÅBNING.
UNDGÅ UDSAETTELSE FOR STRÅLING.

VARO! AVATTAESSA OLET ALTTIINA
NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.
ÄLÄ KATSO SÄTEESEEN.

VARNING — OSYNLIG LASERSTRÅLNING NÄR
DENNA DEL ÄR ÖPPNAD. BETRAKTA
EJ STRÅLEN.



THIS COMPACT DISC PLAYER IS CLASSIFIED
AS A CLASS 1 LASER PRODUCT.
THE CLASS 1 LASER PRODUCT LABEL IS
LOCATED ON THE REAR EXTERIOR.

(5) When Replacing the DVD Traverse Ass'y

When removing the DVD Traverse Ass'y in the Main unit, you need to short the laser diode shorting lands before-hand.

For details, see 2.7. "Mechanism P.C.B. Ass'y" on page 1-8.

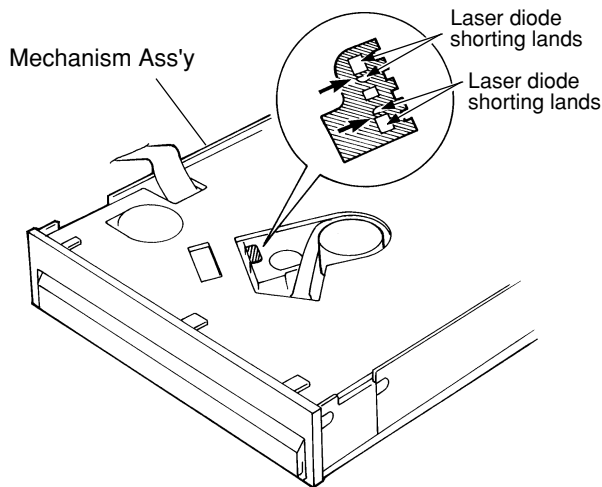


Fig. 1.4 Shorting the Laser Diode Shorting Lands

(6) Caution for handling Laser Pickup of DVD Player

[Electric Influence because of the impressed electricity]

Laser pickup of DVD player is more weak and sensitive than CD player's one, and it is possible to damage the pickup under the specific electrical environment, such as impressed or leaked electricity including the static electricity. The electricity, impressed during modification for zone coding, updating the micro processor and so forth, may influence the laser pickup.

Prevention of Impressed Electricity

● In general

It is very difficult to specify why and how the static electricity is impressed. It is considerable to be thoroughly for grounding the working bench and fastening the anti-static electricity wrist band, besides the daily management of isolating resistor of soldering iron and leaked current in the working room.

Unfortunately, it is impossible for us, even as the supplier, to assure all these conditions at any distributor or subsidiary that is not identical to the situation in the manufacturing site. Consequently, we don't recommend any modification for zone coding, that can be a negative factor against the quality assurance, and consider that the pickup failure of any modified unit for zone code shall be out of warranty.

● How to prevent or discharge the impressed electricity

Please refer to the following items.

1) Grounding

When you repair a laser pickup, first ground the human body, as well as the measuring instruments and other tools (with particular caution to soldering iron). What's more, your workbench and floor should desirably be grounded using conductive sheet or copper plate. Be careful so as not to let your clothes touch the laser pickup, as static electricity on the clothes may be released even if your body is grounded.

2) Discharge of electricity

Be sure to discharge electricity from objects brought into contact with the laser pickup (i.e., soldering iron, tweezers, probes, volt-ohm-meter probes, etc.) before starting work by contacting them with the DVD player's chassis. Besides, never touch the laser pickup while power is applied.

3) Soldering iron

The soldering iron for use in repair work should be:
 (1) a ceramic soldering iron, (2) a soldering iron with its metal part grounded, or (3) a soldering iron whose insulation resistance after of power application is 10 M-ohm or more at 500 VDC. Soldering should be completed promptly, at a soldering iron temperature of 320°C ideally. (39W). A soldering iron heated above this temperature can break down the laser diode.

Condition of Soldering Iron

Type	Output Wattage	Tip Temperature	Isolated Resistance	Leaked Current
For IC or LSI	13 — 18W	300±40°C	≥100MΩ	≤1.0μA
For Elec. Part	23 — 30W	360±40°C	≥50MΩ	≤2.0μA

Note: A precise digital tester is needed to measure the leaked current.

1.4. Before Shipping the Floor SP Ass'y [SS-21 Only]

Before shipping each Floor SP Ass'y (Front L/R or Rear L/R) of SS-21, be sure to insert the Lock Screw into the hole at the bottom of the Floor SP Ass'y, to fix the internal Satellite SP Ass'y.

To insert the Lock Screw, move the Satellite SP Ass'y in the Floor SP Ass'y to the upper most position. (You can move it by the Speaker Up button at the bottom of the Floor SP Ass'y. Also you can move it by hand.)

1.5. RAM Clear Before Shipping the System

Before shipping, be sure to perform the RAM Clear to clear the user setting values and to perform initialization operation of the changer mechanism. For details, refer to 3.1.3/3.2.3 "RAM Clear" on page 1-13/1-17.

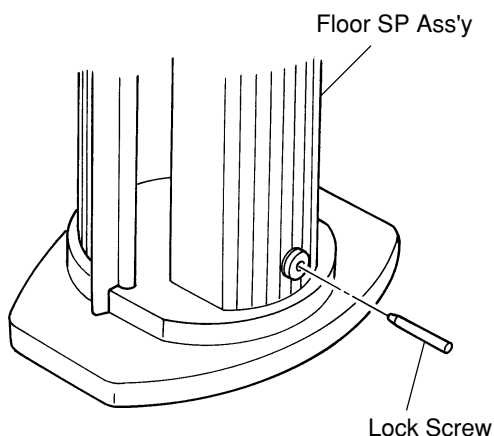


Fig. 1.5 Lock Screw [SS-21]

1.6. Package Ass'y and Accessory Ass'y

1.6.1. Package Ass'y and Accessory Ass'y [SS-10/11]

(1) For Main (Main Unit, A/V Tuner/Processor Unit, Remote Control Unit) [SS10/11]

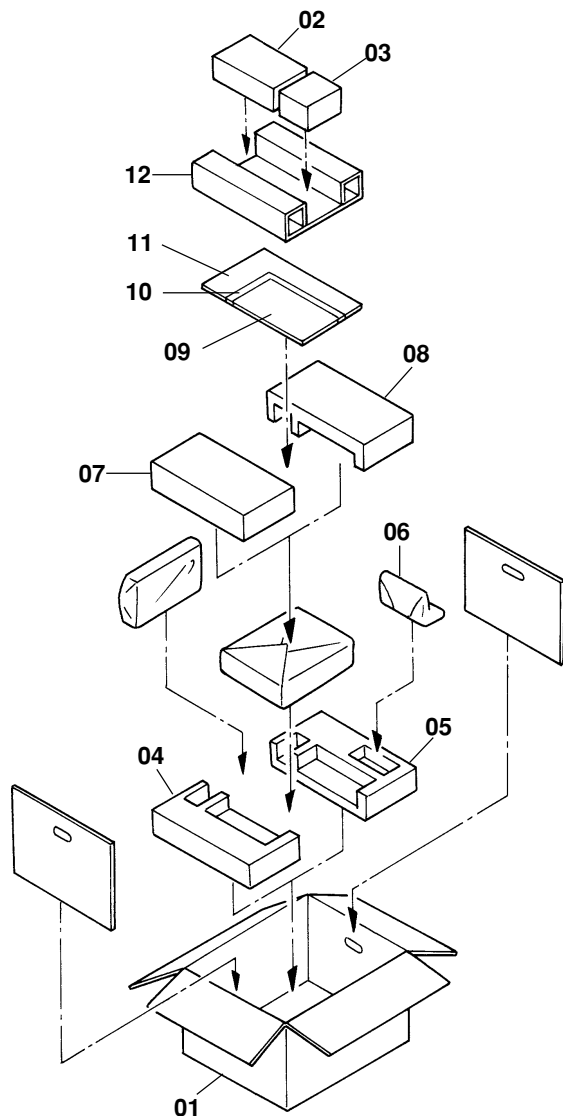


Fig. 1.6 Main Unit [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
Package & Accessory Ass'y (Main Unit) [SS-10/11]			
01	0F05485B	Carton Box Center [SS-10]	1
	0F05569A	Carton Box Center [SS-11]	1
02	0F05489A	Accessory Box	1
03	0F05533A	Remote Box	1
04	0F05508C	Packing Bottom Center L	1
05	0F05509B	Packing Bottom Center R	1
06	HA08121A	D Top Stand Ass'y	1
07	0F05486B	Packing Top Center L	1
08	0F05487A	Packing Top Center R	1
09	0D07295A	Template Bracket	1
10	0D07294A	Template Speaker	1
11	0D07230A	Template	1
12	0F05538A	Carton Spacer Top	1
—	0F04458A	Sheet	1
—	0F05488A	Soft Bag	1
—	0F05534A	Remote Box Spacer A	1
—	0F05535A	Remote Box Spacer B	1
—	0F05536A	Soft Bag Remote	1
—	0F05539A	Soft Bag Center Stand	1
—	0F05565A	Door Protect Paper	1
—	0F05566A	Open Protect Paper	1
—	0J08641A	Spacer Tapping	2
—	0B85373A	3.5 Plug Cable 5m	2
—	0B85375A	3P RCA Cable 5m	1
—	0B85376A	4P RCA Cable 5m	1
—	0B85377A	Digital Cable 5m	1
—	0B85379A	S Video Cable 5m	1
—	0B85381A	13P DIN Cable 5m L	1
—	0B85383A	13P DIN Cable 5m S	1
—	0B90462A	Battery UM4x1	2
—	0B90683A	Battery AM3	6
—	0B90818A	AM Loop Antenna Ass'y	1
—	0B90819A	FM Indoor Antenna	1
—	0B90820A	Antenna Adaptor	1
—	0D07105A	Speaker Cable	3
—	0D07224A	Owner's Manual (Japanese) [SS-10]	1
—	0D07301A	Owner's Manual (Japanese) [SS-11]	1
—	0D07225B	Owner's Manual (English) [SS-10]	1
—	0D07299B	Owner's Manual (English) [SS-11]	1
—	0D07226A	Owner's Manual (English/French/ German/Spanish/Italian) [SS-10]	1
—	0D07302A	Owner's Manual (English/French/ German/Spanish/Italian) [SS-11]	1
—	0D07227B	Owner's Manual (French/Spanish) [SS-10]	1
—	0D07300B	Owner's Manual (French/Spanish) [SS-11]	1
—	0D07228A	Owner's Manual (China) [SS-10]	1
—	0D07303A	Owner's Manual (China) [SS-11]	1
—	0D07229A	Owner's Manual (Taiwan) [SS-10]	1
—	0D07304A	Owner's Manual (Taiwan) [SS-11]	1
—	HA08122A	Main Remote Ass'y RES1-D1 [SS-10]	1
—	HA08277A	Main Remote Ass'y [SS-11]	1
—	0D07233A	Speaker Cable 15m	2
—	0D07238A	AC Cord (USA, CAN)	3
—	0D07239A	AC Cord (EP)	3
—	0D07240A	AC Cord (OTR, DA, TW)	3
—	0D07241A	AC Cord (JPN)	3
—	0D07242A	AC Cord (UK, HK, ML)	3
—	0D07243A	AC Cord (CH)	3
—	0D07244A	AC Cord (KR)	3
—	0D07245A	AC Cord (AUS)	3
—	0F03467A	Poly Bag	1
—	0F04157A	Poly Bag	3
—	0F05568A	Poly Bag	1
—	0H08216A	CD Single Adaptor (JPN)	1
—	0H08413C	Cable Holder	1
—	DA05449A	Screw Ass'y	1
—	DG05310A	Remote Control Sub Ass'y SS-5	1

(2) For SP1 (Subwoofer L, Center, Rear L/R Speakers) [SS-10/11]

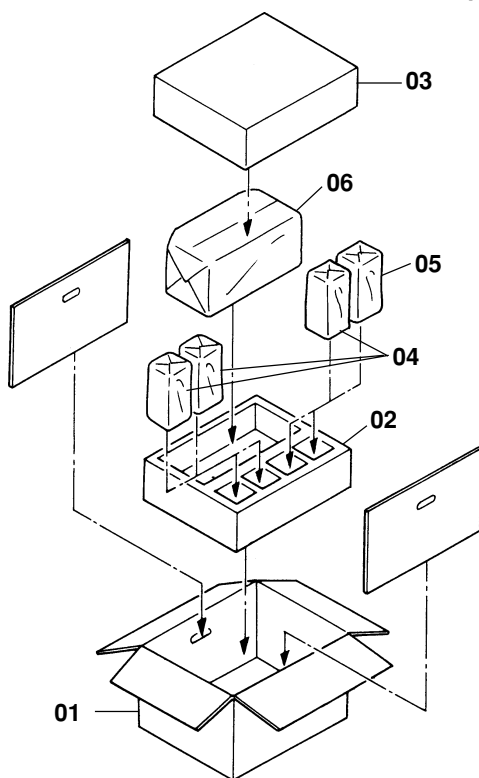


Fig. 1.7 SP1 [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
Package & Accessory Ass'y (SP1) [SS-10/11]			
01	0F05499B	Carton Box S355SP1 [SS-10]	1
	0F05570A	Carton Box S360SP1 [SS-11]	1
02	0F05501A	Packing Bottom S355SP1	1
03	0F05500A	Packing Top S355SP1	1
04	0F05541A	Soft Bag Satellite	3
05	2J00218B	Bracket Wall A	1
	2J00219C	Bracket Wall B	1
06	0F05540A	Soft Sheet Woofer	1
—	0F05516A	Air Cap Center Speaker Bracket	1
—	0F05518A	Center Speaker Bracket Spacer	1

(3) For SP2 (Subwoofer R, Front L/R Speakers) [SS-10/11]

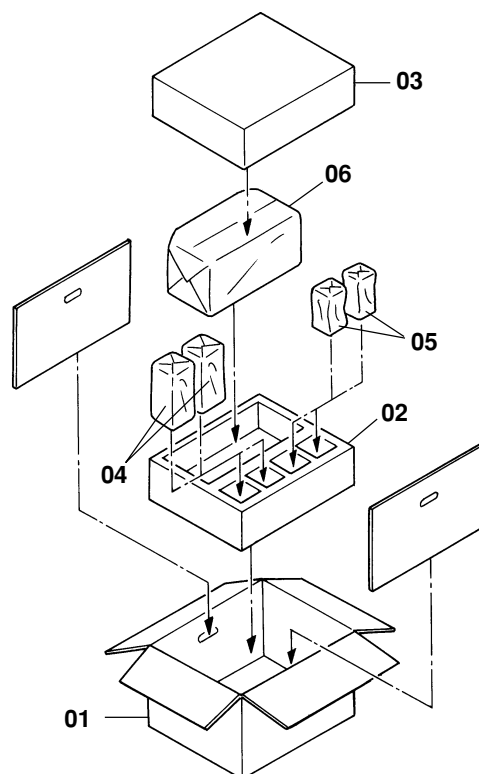


Fig. 1.8 SP2 [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
Package & Accessory Ass'y (SP2) [SS-10/11]			
01	0F05493B	Carton Box S356SP2 [SS-10]	1
	0F05571A	Carton Box S361SP2 [SS-11]	1
02	0F05501A	Packing Bottom S355SP1	1
03	0F05500A	Packing Top S355SP1	1
04	0F05541A	Soft Bag Satellite	2
05	0F05517A	Soft Bag Speaker Stand	2
06	0F05540A	Soft Sheet Woofer	1
—	0F05515A	Satellite Stand Spacer	2
—	0J08411A	Stand Spacer S	8
—	CB00648A	Stand Ass'y Satellite (For Front L/R Speakers)	2
—	DA05420A	Screw Ass'y S356	1
—	DA05421A	Spacer Ass'y S356	1

1.6.2. Package Ass'y and Accessory Ass'y [SS-21]
(1) Main Unit [SS-21]

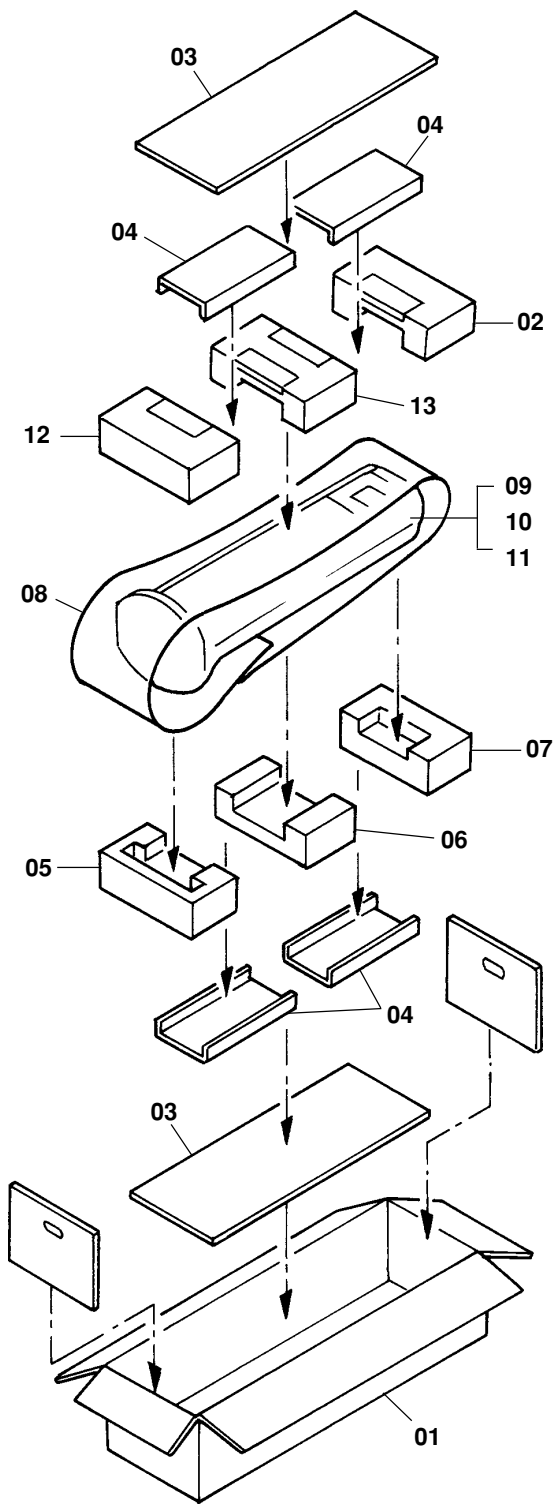


Fig. 1.9 Main Unit [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Package Ass'y (Main Unit) [SS-21]	
01	0F05544A	Carton Box Center	1
02	0F05547B	Packing Top T Center	1
03	0F05590A	Carton Spacer T.B	2
04	0F05582A	Packing Spacer	4
05	0F05546B	Packing Bottom D Center	1
06	0F05577A	Packing Center D	1
07	0F05545B	Packing Bottom T Center	1
08	0F05588B	Soft Sheet	1
09	0F05565A	Door Protect Paper	1
10	0F05592A	Open Protect Paper	1
11	0F05604A	Wood Paper Center/Satellite	2
12	0F05548C	Packing Top D Center	1
13	0F05576B	Packing Center T	1
—	0J08641A	Spacer Tapping G	2

(2) A/V Tuner/Processor Unit [SS-21]

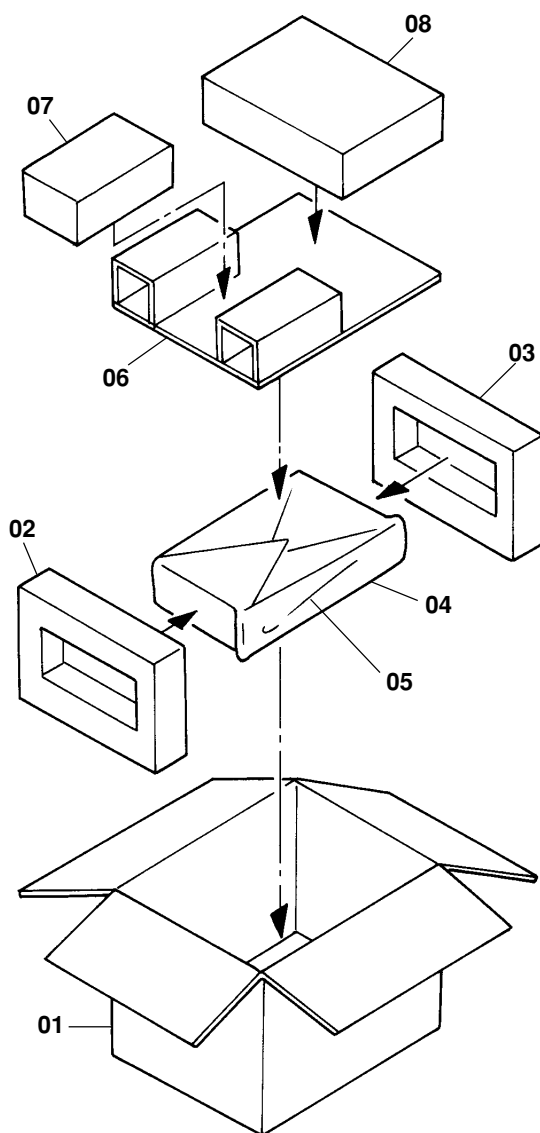


Fig. 1.10 A/V /Tuner/Processor Unit [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
Package & Accessory Ass'y (A/V /Tuner/Processor Unit) [SS-21]			
01	0F05550A	Carton Box	1
02	0F05551A	Packing L	1
03	0F05552A	Packing R	1
04	0F04458A	Sheet	1
05	0F05605A	Wood Paper HB	1
06	0F05553A	Carton Spacer	1
07	0F05533A	Remote Box	1
08	0F05489A	Accessory Box	1
—	0B85373A	3.5 Plug Cable	2
—	0B85375A	3P RCA Cable	1
—	0B85376A	4P RCA Cable	1
—	0B85377A	Digital Cable	1
—	0B85379A	S Video Cable	1
—	0B85381A	13P DIN Cable 5m L	1
—	0B85383A	13P DIN Cable 5m S	1
—	0B85512A	3.5 Plug Cable	2
—	0B85513A	3.5 Plug Cable	2
—	0B90462A	Battery UM4x1	2
—	0B90683A	Battery	6
—	0B90818A	AM Loop Antenna Ass'y	1
—	0B90819A	FM Indoor Antenna	1
—	0B90820A	Antenna Adaptor	1
—	0D06102B	Warranty Card EP (UK, EP)	1
—	0D06132A	USA Pack (JPN)	1
—	0D06522C	HA Warranty UL2(2) (USA, CAN)	1
—	0D06944C	HA Warranty DM1 (JPN)	1
—	0D07105A	Speaker Cable	3
—	0D07233A	Speaker Cable 15m	2
—	0D07238A	AC Cord (USA, CAN)	3
—	0D07239A	AC Cord (EP)	3
—	0D07240A	AC Cord (OTR, DA, TW)	3
—	0D07241A	AC Cord (JPN)	3
—	0D07242A	AC Cord (UK, HK, ML)	3
—	0D07243A	AC Cord (CH)	3
—	0D07244A	AC Cord (KR)	3
—	0D07245A	AC Cord (AUS)	3
—	0D07283A	Owner's manual (English)	1
—	0D07284A	Owner's Manual (French/Spanish)	1
—	0D07285A	Owner's Manual (Japanese)	1
—	0D07286A	Owner's Manual (English/French/German/Spanish/Italian)	1
—	0D07287A	Owner's Manual (China)	1
—	0D07288A	Owner's Manual (Taiwan)	1
—	0D07340A	Owner's Manual (Korean)	1
—	0H08216A	CD Single Adaptor (JPN)	1
—	0H08413C	Cable Holder	1
—	DG05310A	Remote Control Sub Ass'y SS-5	1
—	HA08183A	Main Remote Ass'y	1
—	0F05534A	Remote Box Spacer A	1
—	0F05535A	Remote Box Spacer B	1
—	0F05536A	Soft Bag Remote	1
—	0F05607A	Wood Paper Remote	1

(3) Subwoofer L (4ch) Unit [SS-21]

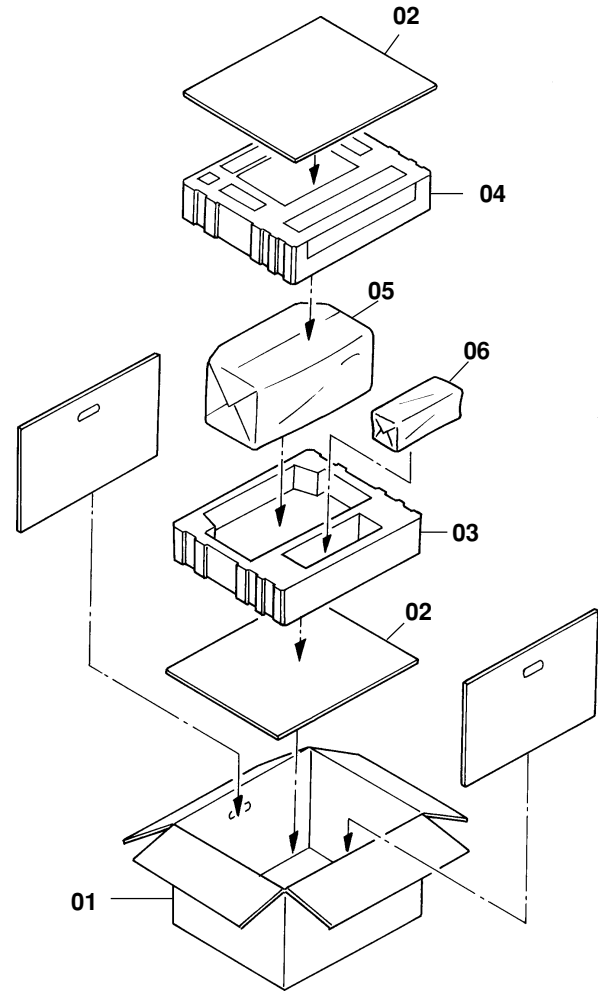


Fig. 1.11 Subwoofer L Unit [SS-21]

(4) Subwoofer R (3ch) Unit [SS-21]

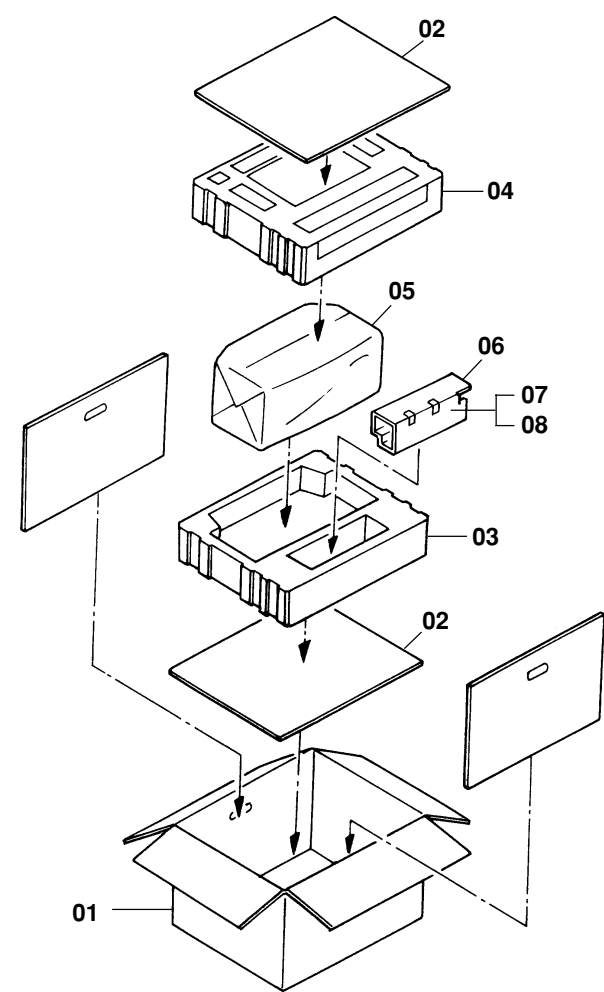
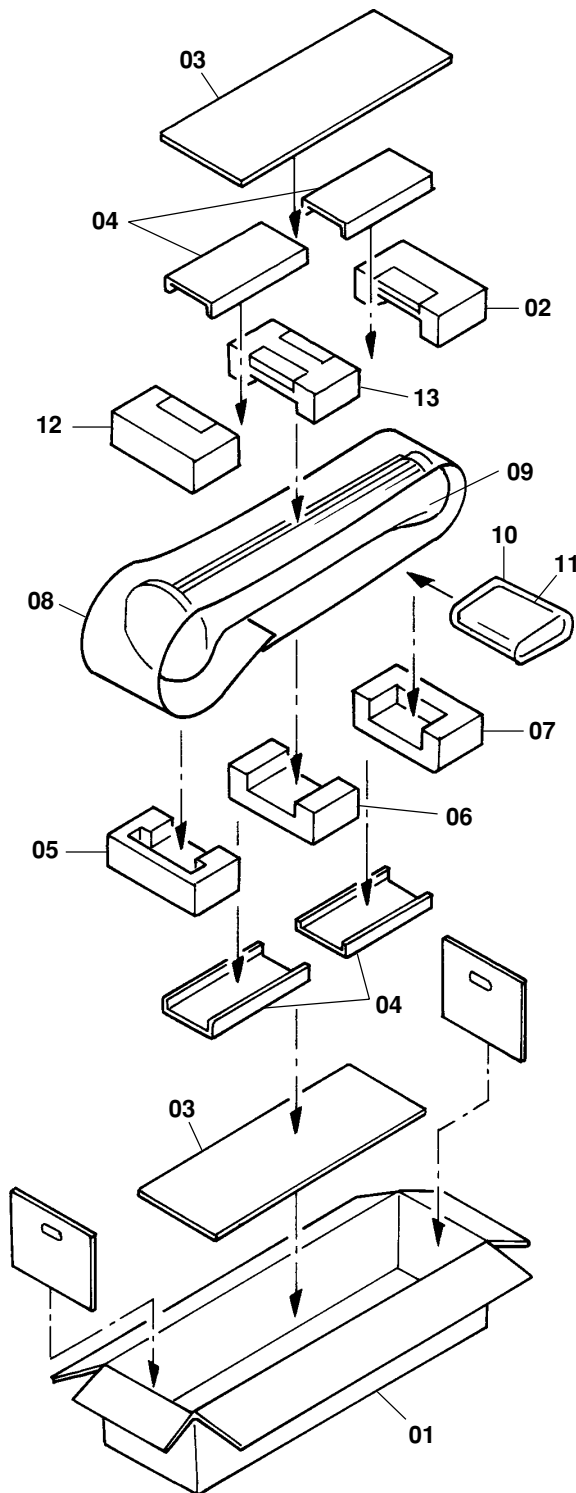


Fig. 1.12 Subwoofer R Unit [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
—	—	Package & Accessory Ass'y (Subwoofer L Unit) [SS-21]	
01	0F05561A	Carton Box	1
02	0F05602A	Packing Spacer	2
03	0F05563C	Packing Bottom	1
04	0F05564C	Packing Top	1
05	0F05540A	Soft Sheet Woofer	1
06	0F05541A	Soft Bag Satellite	1
—	0F05603A	Wood Paper SW	1
—	0F05606A	Wood Paper C.SP	1
—	0D07294A	Template Speaker	1
—	0D07295A	Template Bracket	1
—	DA05444A	Screw Ass'y	1
—	DA05445A	Spacer Ass'y	1

Schematic Ref. No.	Part No.	Description	Q'ty
—	—	Package & Accessory Ass'y (Subwoofer R Unit) [SS-21]	
01	0F05562A	Carton Box	1
02	0F05602A	Packing Spacer	2
03	0F05563C	Packing Bottom	1
04	0F05564C	Packing Top	1
05	0F05540A	Soft Sheet Woofer	1
06	0F05518A	Center Speaker Bracket Spacer	1
07	2J00218B	Bracket Wall A	1
08	2J00219C	Bracket Wall B	1
—	0F05516A	Air Cap Center Speaker Bracket	1
—	0F05603A	Wood Paper SW	1

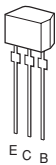
(5) Satellite Speaker Unit and Remote Control Unit [SS-21]



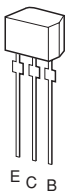
Schematic Ref. No.	Part No.	Description	Q'ty
Package Ass'y (Floor Speaker Unit) [SS-21]			
01	0F05555A	Carton Box A 3/8	1
	0F05584A	Carton Box B 4/8	1
	0F05585A	Carton Box C 5/8	1
	0F05586A	Carton Box D 6/8	1
02	0F05558C	Packing Top T	1
03	0F05591A	Carton Spacer T.B	2
04	0F05583A	Packing Spacer	4
05	0F05557D	Packing Bottom D	1
06	0F05579B	Packing Center D	1
07	0F05556C	Packing Bottom T	1
08	0F05560B	Soft Sheet	1
09	0F05604A	Wood Paper Center/Satellite	2
10	0F05589A	SP Spacer Sheet	1
11	0F05581A	SP Packing Spacer	1
12	0F05559C	Packing Top D	1
13	0F05578B	Packing Center T	1

Fig. 1.13 Floor Speaker Unit [SS-21]

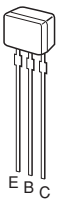
Transistor Shapes



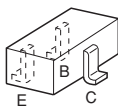
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2SA970BL
2SA1015
2SA1145
2SC945
2SC2240
2SC2705
2SC2878



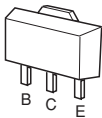
2SC2669



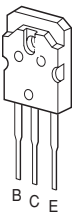
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DTA143ES
DTC114ES
DTC114TS
2SC2058S



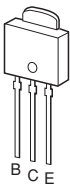
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DTA144EK
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2SA1576S
2SC2412K
2SC4081S



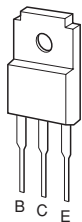
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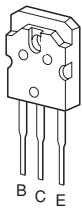
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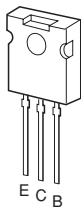
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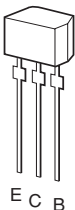
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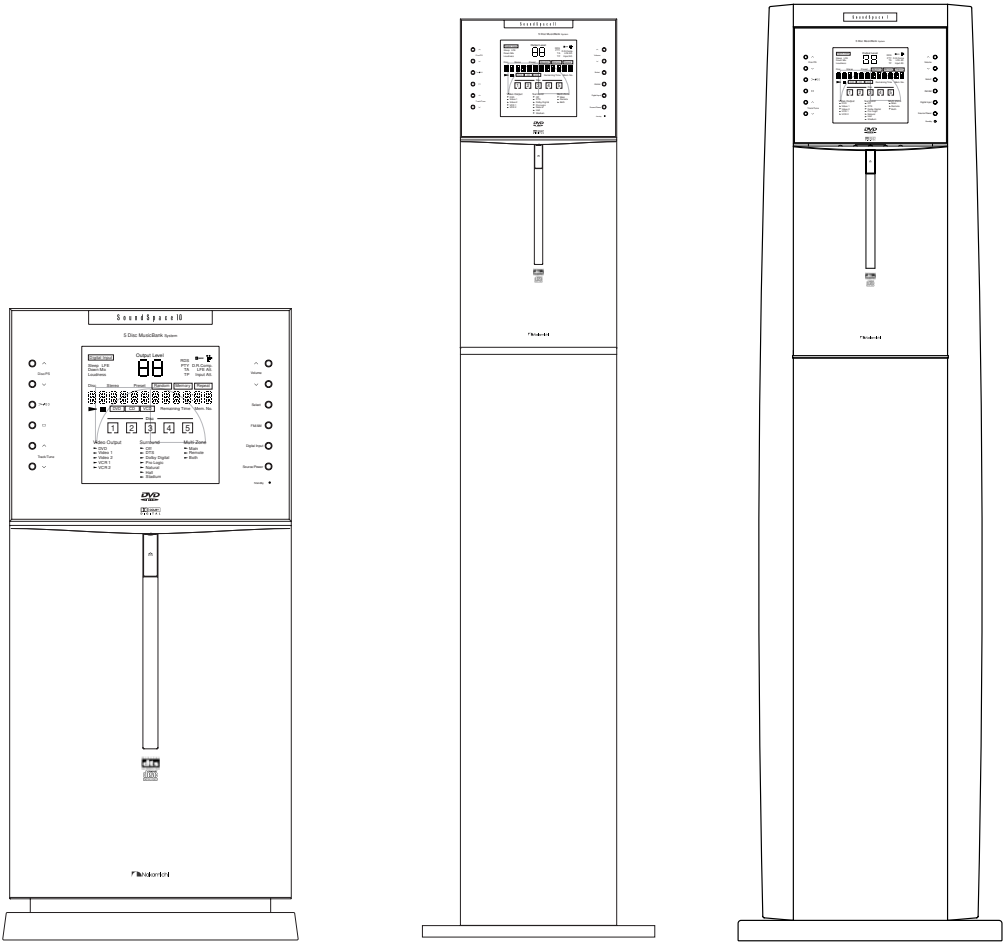
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2SB1626
2SD2495

Main Unit

Main Unit Section
[SS-10/11/21]



[SS-10/11]

[SS-11]

[SS-21]

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1. MEASUREMENT INSTRUMENTS AND JIGS

- (1) DC Voltmeter
- (2) AC Voltmeter
- (3) Tracking Offset Meter LE-9055A or LTM-9055 (Leader Electronics Corp.)
- (4) A-BEX Vertical Deviation Test Disc TDV-562 (DA09206A)
- (5) SONY Test Disc Type 3

2. REMOVAL PROCEDURES

NOTES:

1. Do not use an electric screwdriver to disassemble or assemble the parts.
2. When reassembling, reverse the removal procedure. Follow the note for reassembling, if it is written.

2.1. Rear Cover Block

Refer to Fig. 2.1.

- (1) Remove the Main Jack Cover "1" by sliding it.
- (2) Remove the 6 screws "2" (PT3x10 + Truss) and 2 screws "3" (ST3x6 + Binding (Black)), and open the Rear Cover block.
- (3) Disconnect the connector "4" from the OTP P.C.B. Ass'y in the Rear Cover Block, and remove the Rear Cover block.

● Note when reassembling:

When reassembling the Rear Cover, do not excessively tighten the screws "2".

2.2. Lid Drive Ass'y

Refer to Fig. 2.1.

- (1) Remove the Rear Cover Block. See item 2.1.
- (2) Cut the Insu-lock which fixes the cables to the Main Chassis Top, and disconnect the connectors "a", "b" and "c" from the Main P.C.B. Ass'y.
- (3) Remove the 6 screws "5" to detach the Lid Drive Ass'y.

● Note when reassembling:

When binding the cables with an Insu-lock, be sure that they are binded with slack and not tightly binded.

The lead wire of the Lid Drive Motor can be cut it is has not enough slack.

2.3. Door & Mechanism Ass'y

Refer to Fig. 2.1.

- (1) Remove the Lid Drive Ass'y. See item 2.2.
- (2) Remove the 10 screws "6" (PT3x8 + Binding (Black)) and 4 screws "7" (ST3x5 + Binding), and detach the Main Chassis Top.
- (3) Remove the 4 screws "8" (ST2.6x4 + Binding) and detach "9" (Shaft Holder, 2 pcs.), "10" (Lid Drive Pinion, 2 pcs.) and "11" (Lid Drive Shaft).

● Note when reassembling:

Shaft Holder "9" has two projections on both sides.

The shorter projection should be positioned inward.

- (4) Remove the 2 screws "12" (M2x3 + Pan (Black)) and detach the Sen P.C.B. Ass'y.

● Note when reassembling:

Handle the Sen P.C.B. Ass'y carefully, since applying excessive force to the wire soldering part can damage the Sen P.C.B. Ass'y.

- (5) Remove the 8 screws "13" (ST3x5 + Binding), and, while lifting the Main Chassis, disconnect the 1 connector and Flexible wires "d", "e", and "f" from the Main P.C.B. Ass'y. Then, remove the Main Chassis and the Main P.C.B. Ass'y together.

- (6) Remove the Escutcheon Center Ass'y from the Door & Mechanism Ass'y.

● Note when reassembling:

When reassembling the Escutcheon Center Ass'y, insert the end of Tension Spring L/R into the holes "A" in the Escutcheon Center Ass'y.

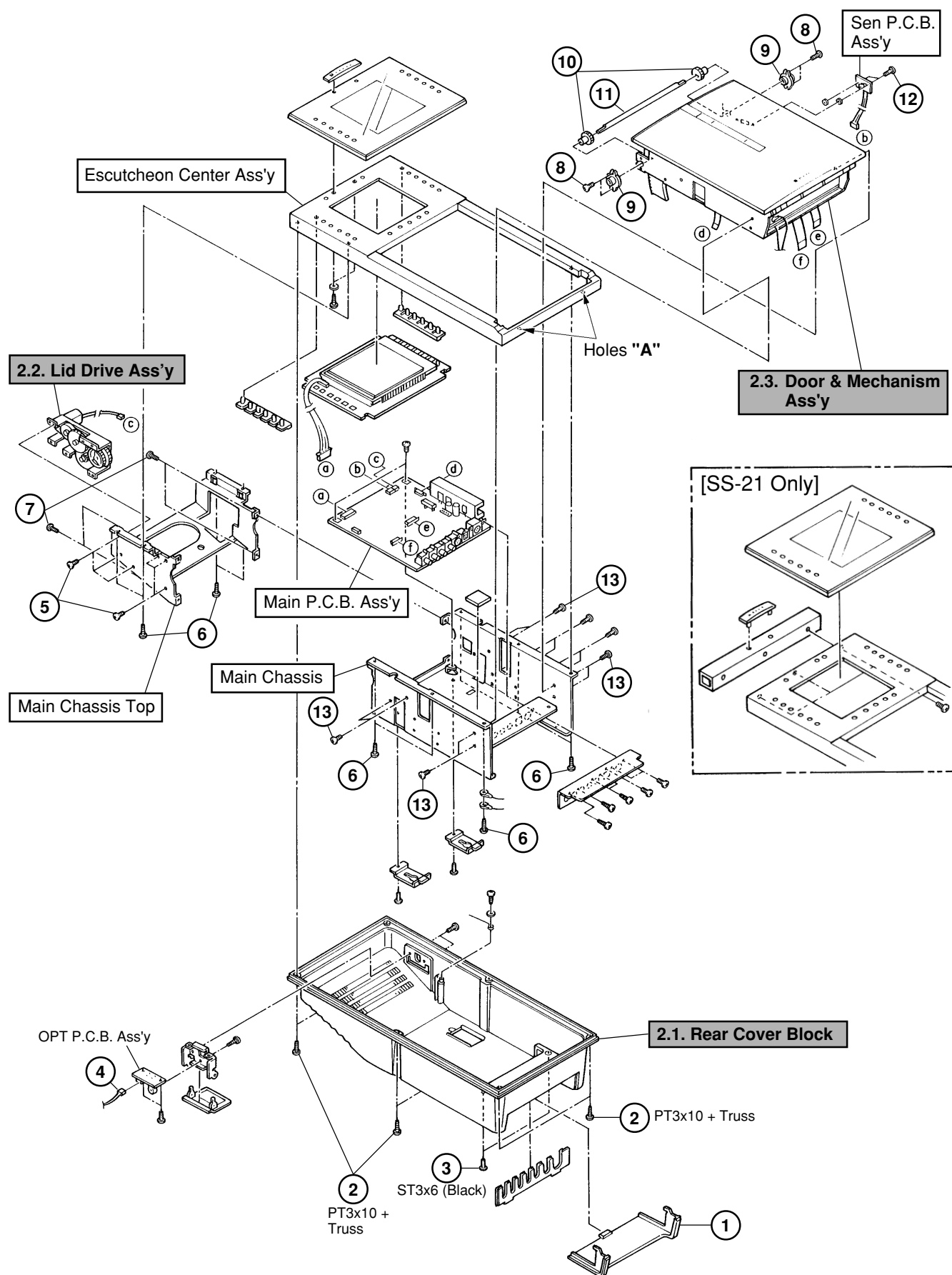


Fig. 2.1

2.4. DVD Main P.C.B. Ass'y

Refer to Fig. 2.2.

- (1) Remove the Door & Mechanism Ass'y. See item 2.3.
- (2) Turn over the Door Drive Chassis.
- (3) Remove the 4 screws "1" (M3x5 + Binding) and the DVD Heat Sink "2", disconnect the two connectors "a" and "b" from the DVD Main P.C.B. Ass'y, and detach the DVD Main P.C.B. Ass'y.

2.5. Mechanism Ass'y

Refer to Fig. 2.2.

- (1) Remove the DVD Main P.C.B. Ass'y. See item 2.4.
- (2) Remove the 8 screws "3" (M3x8 + Binding 2A (PW)) and disconnect the Flexible Wire "4".
- (3) Loosen (not remove) the two screws "5" (ST3x8 + Binding) to set free the Lid Drive Rack "6", and detach the Mechanism Ass'y.
- (4) Gently peel off the Protective Tape (5 places) on the Bottom Cover of the Mechanism Ass'y. (The tapes will be reused. Keep them by sticking on the Bottom Cover.)

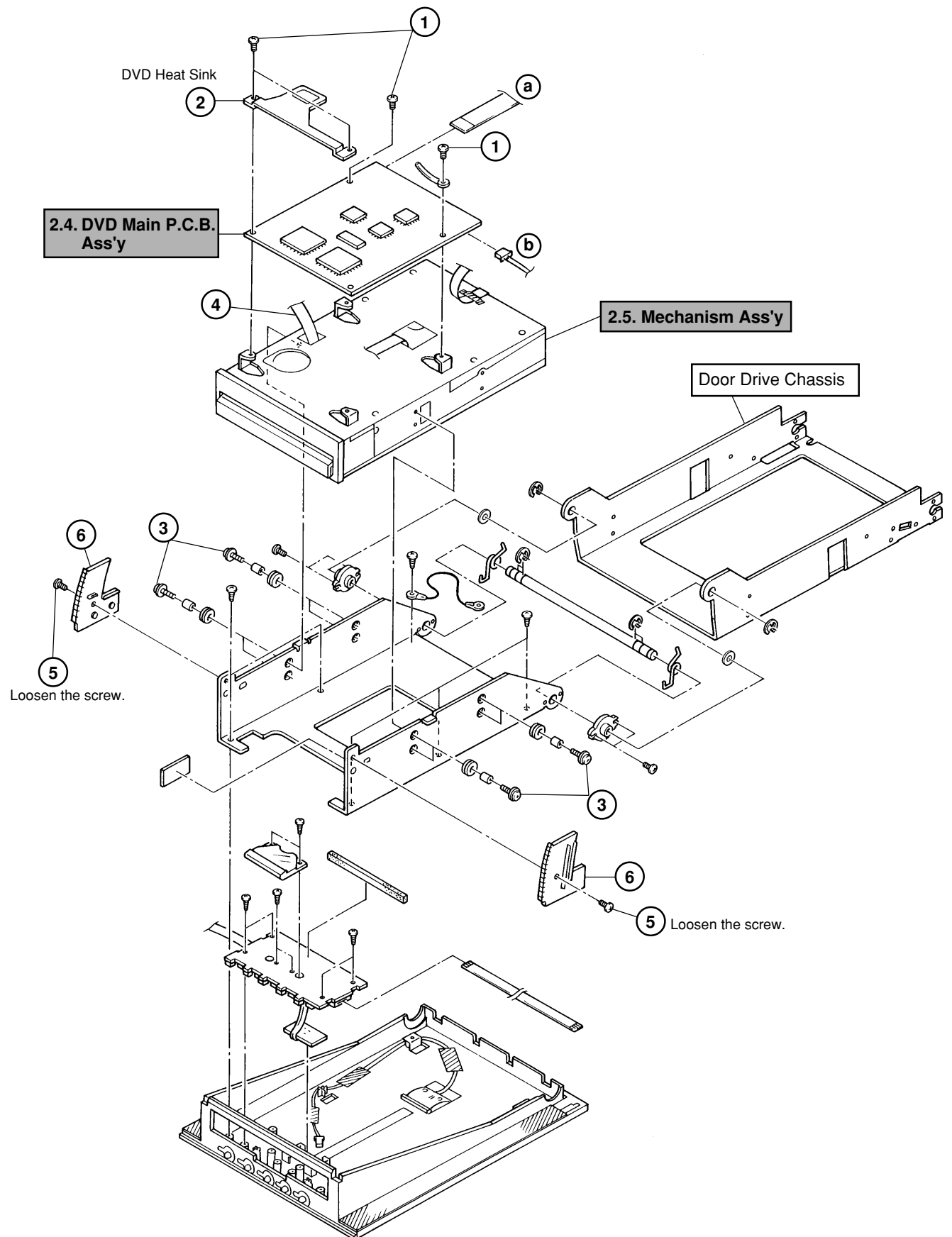


Fig. 2.2

2.6. Bottom Cover EX Ass'y, Top Cover EX Ass'y and F Panel EX Ass'y

Refer to Fig. 2.3.

- (1) Remove the 6 screws "1" (M2.6x5 + Pan (#0 Type 3)) and detach the Bottom Cover EX Ass'y.
- (2) Remove the 2 screws "2" (M2.6x3 + Pan), and detach the Top Cover EX Ass'y and F Panel EX Ass'y.

2.7. Mechanism P.C.B. Ass'y

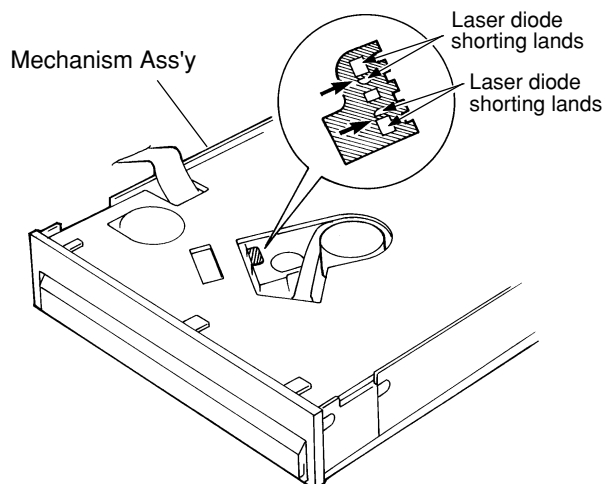
Refer to Fig. 2.3.

- (1) Remove the Bottom Cover EX Ass'y, Top Cover EX Ass'y and F Panel EX Ass'y. See item 2.6.
- (2) Shorting the laser diode shorting land of the DVD Traverse Ass'y:

Short the laser diode shorting lands (2 places shown by the arrows) with a soldering iron before removing the Mechanism P.C.B. Ass'y.

Note: Use the soldering iron whose metal part is grounded or a ceramic soldering iron.

CAUTION: Do not disconnect the Flexible Cable from the connector P200 on the Mechanism P.C.B. Ass'y unless the laser shorting lands (2 places) are shorted.



[Shorting the Laser Diode Shorting Lands of the DVD Traverse Ass'y]

● Note when reassembling:

Unsolder the laser diode shorting lands after reassembling the Mechanism P.C.B. Ass'y.

- (3) Remove 1 screw "3" (M2.6x3.5 + Pan (#0 Type 3)) and 1 screw "4" (M2.6x8 + Pan).
- (4) Disconnect the Mecha Flexible P.C.B. Ass'y "5" by pulling the edges of the connector CP103 "6" on the Mechanism P.C.B. Ass'y to unlock the connector edges.
- (5) Pull the edges of the connector CN300 "7" on the Mechanism P.C.B. Ass'y to unlock the connector edges and carefully pull out the Traverse Flexible P.C.B. Ass'y.

- (6) Pull the edges of the connector CN200 "8" on the Mechanism P.C.B. Ass'y to unlock the connector edges and carefully pull out the Pickup Flexible P.C.B. "9".
- (7) Carefully disconnect the 3 connectors CP104 "10" (EX Motor Ass'y), CN500 "11" (Sled Motor Ass'y), and CN600 "12" (Inner Switch).
- (8) Remove the Mechanism P.C.B. Ass'y from the Mechanism Ass'y.

2.8. Loading EX Ass'y

Refer to Fig. 2.3.

- (1) Remove the Mechanism P.C.B. Ass'y. See item 2.7.
- (2) Remove the 6 screws "13" (ST2.6x3 + Pan (#0 Type 3)), 1 screw "14" (M1.7x2.5 + Pan (#0 Type 3) (Black)), and 4 screws "15" (M2x2 + Pan (#0 Type 3) (Black)).

● Note when reassembling:

When reassembling the Mecha Flexible P.C.B. Ass'y "5", move it front side.

Be sure that the shutter is positioned in the center of the shutter sensor on the Mecha Flexible P.C.B. Ass'y, when the shutter of the Loading EX Ass'y is closed by hand,

- (3) Remove the EX Loading Chassis block "16" backward while lifting its right side a little.
 - (4) Remove the Loading EX Ass'y while lifting it.
- Note:** Do not damage the Catch Arm Ass'y and the Loading Link Ass'y of the Loading EX Ass'y.

2.9. DVD Traverse Ass'y

Refer to Fig. 2.3.

- (1) Remove the Loading EX Ass'y. See item 2.8.
- (2) Remove the 3 screws "17" (ST2.6x3 + Pan (#0 Type 3)) and remove the EX Motor Ass'y.
- (3) Remove the 3 screws "18" (ST2.6x3 + Pan (#0 Type 3)) and remove the EX Chassis Ass'y.
- (4) Remove the 4 pcs. of Damper Screw SL "19", 4 pcs. of SUS Collar B "20", and 4 pcs. of SUS Collar T "21", and detach the DVD Traverse Ass'y.

Notes:

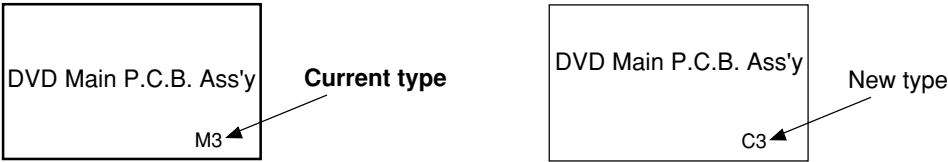
1. Pay attention so as not to damage the Door Sensor P.C.B. of the Mecha Flexible P.C.B. "5".
2. Assemble the Door Sensor P.C.B. so as not it is inclined.
3. Be sure that the projection of the Front Door Ass'y can be correctly inserted into the Door Sensor.

3. ADJUSTMENTS

For Current Model

3.1. Adjustments for Current Model

How to Distinguish the Current DVD Main P.C.B. Ass'y (M3C1):
Distinguish the current DVD Main P.C.B. Ass'y by looking at the letter "M3" labeled on the P.C.B. (If "C3" is found, it is the former one.)



3.1.1. Parts Location for Adjustments

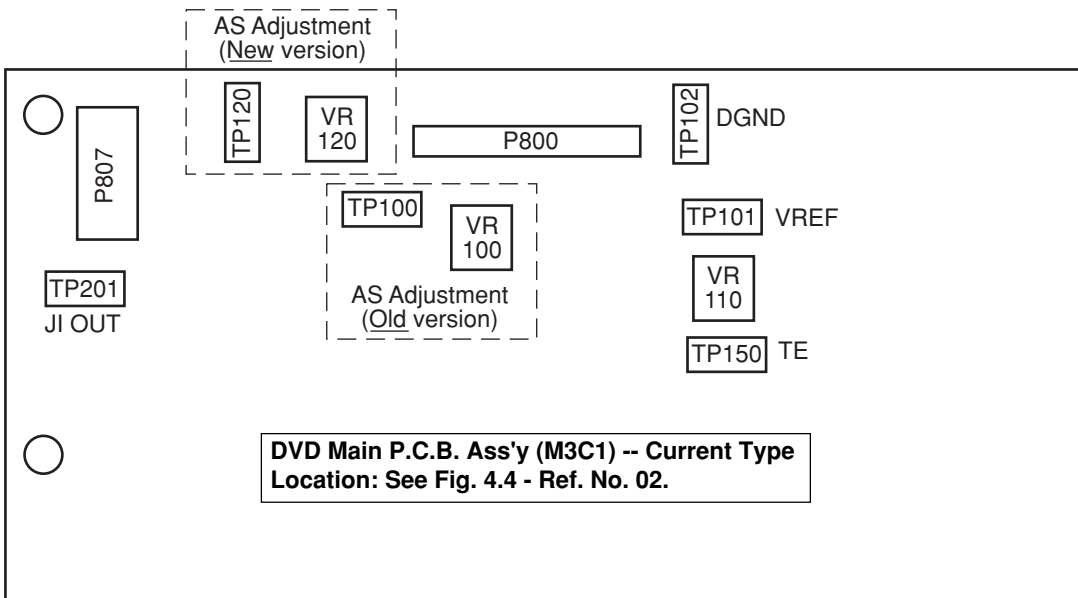


Fig. 3.1.1 Parts Location for Electrical Adjustment (For Current Models)

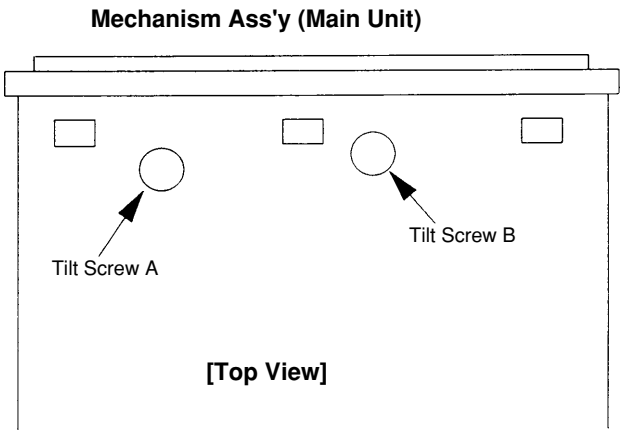


Fig. 3.1.2 Tilt Adjustment Screws (For Current Model)

For Current Model

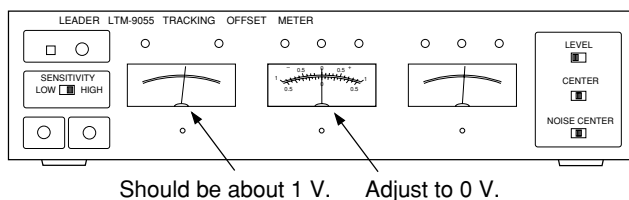
3.1.2. Adjustment Procedure

NOTE: Follow the next steps in order.

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUSTMENT	REMARKS
1	Entering DVD Adjust Mode				1. Connect each measuring instrument as follows: • Connect a DC voltmeter between TP120 (or TP100) (+ terminal) and TP102 (DGND) (- terminal) on the DVD Main P.C.B. Ass'y. • Connect an AC voltmeter between TP201 (JI OUT) (+ terminal) and TP102 (DGND) (- terminal) on the DVD Main P.C.B. Ass'y. • Connect a tracking offset meter between TP150 (+ terminal) and TP101 (VREF) (- terminal) on the DVD Main P.C.B. Ass'y. 2. Connect the Main unit to the A/V Tuner/Processor unit. 3. Turn on the A/V Tuner/Processor unit by pushing its POWER switch. 4. Press the POWER key on the Main unit for more than 2 seconds. Then, the Standby indicator lights up and the Main unit enters Standby mode. 5. While pressing and holding the SELECT key on the Main unit, press the PLAY/PAUSE key for more than 2 seconds. Be sure that the following message appears on the display of the Main unit. DVD ADJUST
2	AS Adjustment	—	● New Version DC Voltmeter between TP120 (+) and TP102 (DGND) (-) on DVD Main P.C.B. — — — — — ● Old Version DC Voltmeter between TP100 (+) and TP102 (DGND) (-) on DVD Main P.C.B.	VR120 — — — — — VR100	1. Press the STOP key once. The message will change as follows: → AS ADJUST → DVD LD ON 2. Note the reading on the DC voltmeter. (Vdvd) 3. Press the TRACK UP ($\wedge$) key once. The following message will appear on the display. CD LD ON 4. Note the reading on the DC voltmeter. (Vcd) 5. Be sure that the value "Vcd — Vdvd" is as follow: Vcd — Vdvd = 50 mV $\pm$ 10 mV DC Vcd: Value in step 4 Vdvd: Value in step 2 6. If not, while displaying "DVD LD ON", adjust VR120 (or VR100) until the value "Vcd — Vdvd" is within above range. You can switch over "DVD LD ON" and "CD LD ON" as follows: • Pressing the TRACK DOWN ($\vee$) key changes the display from "CD LD ON" to "DVD LD ON". • Pressing the TRACK UP ($\wedge$) key will return the display to "CD LD ON". (to be continued)

For Current Model

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUSTMENT	REMARKS
					7. Press the TRACK UP ($\wedge$) key until the following message appears on the display. LD OFF The pickup will move to the innermost position and then stops there. Caution: <i>DO NOT use the TRACK DOWN (V) key to set "LD OFF", since the pickup cannot move to the innermost position. If this is done, the pickup will be damaged when you insert the test disc.</i> 8. Proceed to the next step.
3	Tilt Adjustment	DVD Vertical Deviation Test Disc TDV-562 (DA09206A)	AC Voltmeter between TP201 (J1 OUT) (+) and TP102 (DGND) (-) on DVD Main P.C.B.	Tilt Screws A and B	1. Press the STOP key once. Be sure that the following message appears on the display. MECHA ADJUST 2. Press the EJECT key and insert the DVD test disc. 3. Press the PLAY/PAUSE key to play back the disc. 4. Press the TRACK UP ($\wedge$) key to play back the Chapter 16 (outermost track). 5. Press the PLAY/PAUSE key to pause the disc. (The disc will keep turning.) 6. Turn the Screw A to obtain minimum reading on the AC voltmeter. 7. Turn the Screw B to obtain minimum reading on the AC voltmeter. 8. Repeat steps 6 and 7 several times until minimum readings are obtained. 9. Press the EJECT key to eject the disc. 10. Proceed to the next step.
4	CD Tracking Adjustment	CD Test Disc SONY Type 3	Tracking Offset Meter between TP150 (+) and TP101 (VREF) (-) on DVD Main P.C.B.	VR110	1. Set the tracking offset meter as follows: • Sensitivity switch: HIGH (right side) • Level switch: MEASURE (left side) • Center switch: MEASURE (center position) 2. Insert the CD test disc. 3. Press the STOP key once. Be sure that the following message appears on the display. CD ADJUST 4. Adjust VR110 so that the center meter indicates 0 V as shown on the left. Also, be sure that the left side meter indicates around 1 V. 5. Press the EJECT key to eject the disc. 6. Proceed to the next step to terminate the adjustment.



For Current Model

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUST-MENT	REMARKS
5	Termination				1. Press the POWER key on the Main unit for more than 2 seconds to enter Standby mode. 2. Press the POWER button on the A/V Tuner/Processor unit to turn off the System. 3. Disconnect the measuring instruments. 4. Apply paint lock to the Screws A and B.

3.1.3. RAM Clear (System Controller & Mechanism Controller Clear)**NOTE:** Before shipping perform the RAM Clear to perform the followings:

- To clear the usable setting values (such as tuner preset) to the initial setting values.
- To perform initialization operation of the changer mechanism

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUST-MENT	REMARKS
1	RAM Clear				1. Press the POWER key on the Main unit for more than 2 seconds to enter Standby mode. 2. Remove all discs. 3. Press and hold the SELECT and STOP buttons for more than 2 seconds. 4. The following messages will appear on the display. RAM CLEAR 2 ↓ (After 5 seconds) REGION x (x: 0 to 8) 5. Then, the following operation will be done. • User setting values are reset to the initial setting values. • Changer mechanism is initialized. 6. "Power OFF" will be displayed and the system is automatically shut off. POWER OFF If the disc remains in the changer mechanism, power is not shut off and the display returns to the normal one.

For New Model

3.2. Adjustments for New Model

How to Distinguish the New DVD Main P.C.B. Ass'y (C3M1):

Distinguish the new DVD Main P.C.B. Ass'y by looking at the letter "C3" labeled on the P.C.B. (If "M3" is found, it is the former one.)



3.2.1. Parts Location for Adjustments

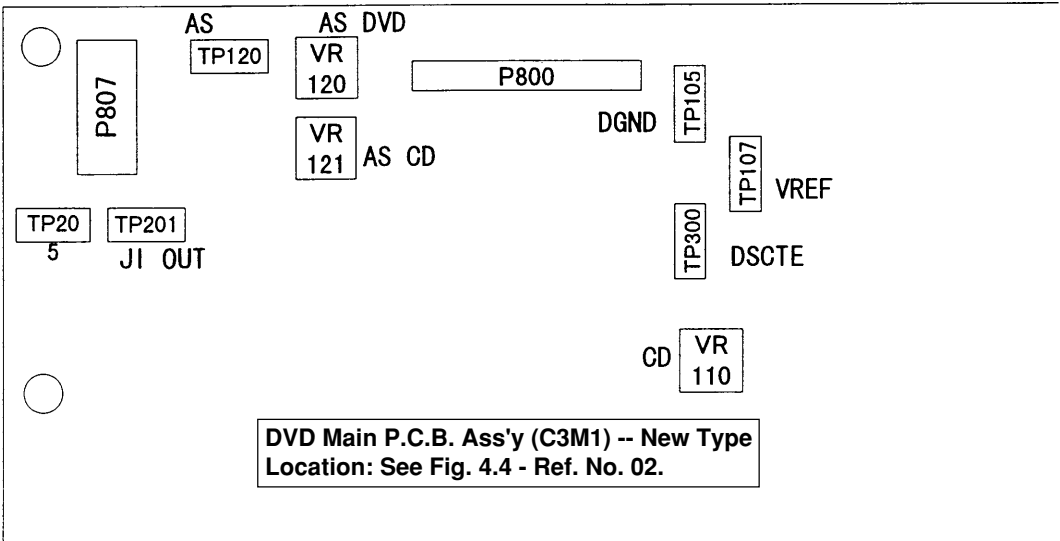


Fig. 3.2.1 Parts Location for Electrical Adjustment (For New Model)

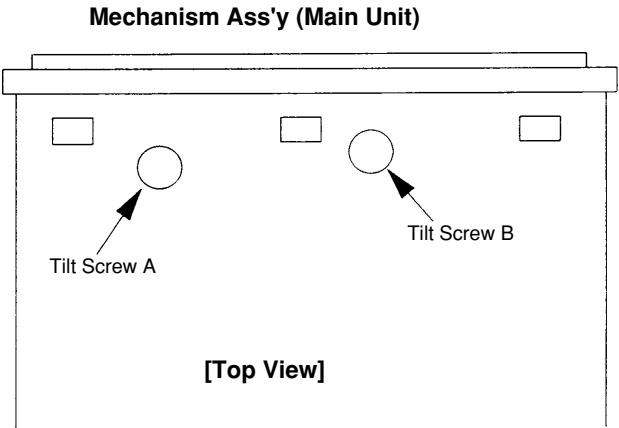


Fig. 3.2.2 Tilt Adjustment Screws (For New Model)

For New Model

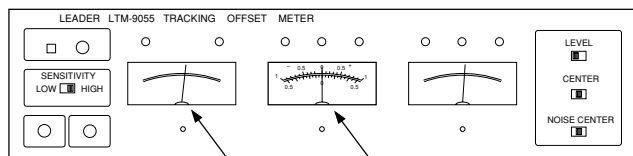
3.2.2. Adjustment Procedure

NOTE: Follow the next steps in order.

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUSTMENT	REMARKS
1	Entering DVD Adjust Mode				1. Connect each measuring instrument as follows: • Connect a DC voltmeter between TP120 (AS) (+ terminal) and TP107 (VREF) (- terminal) on the DVD Main P.C.B. Ass'y. • Connect an AC voltmeter between TP201 (JI OUT) (+ terminal) and TP105 (DGND) (- terminal) on the DVD Main P.C.B. Ass'y. • Connect a tracking offset meter between TP300 (DSCTE) (+ terminal) and TP107 (VREF) (- terminal) on the DVD Main P.C.B. Ass'y. 2. Connect the Main unit to the A/V Tuner/Processor unit. 3. Turn on the A/V Tuner/Processor unit by pushing its POWER switch. 4. Press the POWER key on the Main unit for more than 2 seconds. Then, the Standby indicator lights up and the Main unit enters Standby mode. 5. While pressing and holding the SELECT key on the Main unit, press the PLAY/PAUSE key for more than 2 seconds. Be sure that the following message appears on the display of the Main unit. DVD ADJUST
2	AS Adjustment	—	DC Voltmeter between TP120 (AS) (+) and TP107 (VREF) (-) on DVD Main P.C.B.	VR121 (for CD LD) VR120 (for DVD LD)	Note: Perform the adjustment in the order of "CD LD ON" and "DVD LD ON" as mentioned below: 1. Press the STOP key once. The message will change as follows: → AS ADJUST → DVD LD ON 2. Press the TRACK UP (Λ) key once. The following message will appear on the display. CD LD ON 3. Adjust VR121 to obtain 0V ± 10 mV DC on the DC voltmeter. 4. Press the TRACK UP (Λ) key twice. The following message will appear on the display. DVD LD ON 5. Adjust VR120 to obtain 0V ± 10 mV DC on the DC voltmeter. (to be continued)

For New Model

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUST-MENT	REMARKS
					6. Press the TRACK UP ($\wedge$) key twice. The following message will appear on the display. LD OFF Then, the pickup will move to the innermost position and then stops there. Caution: <i>DO NOT use the TRACK DOWN (V) key to set "LD OFF", since the pickup cannot move to the innermost position. If this is done, the pickup will be damaged when you insert the test disc.</i> 7. Proceed to the next step.
3	Tilt Adjustment	DVD Vertical Deviation Test Disc TDV-562 (DA09206A)	AC Voltmeter between TP201 (JI OUT) (+) and TP105 (DGND) (-) on DVD Main P.C.B.	Tilt Screws A and B	1. Press the STOP key once. Be sure that the following message appears on the display. MECHA ADJUST 2. Press the EJECT key and insert the DVD test disc. 3. Press the PLAY/PAUSE key to play back the disc. 4. Press the TRACK UP ($\wedge$) key to play back the Chapter 16 (outermost track). 5. Press the PLAY/PAUSE key to pause the disc. (The disc will keep turning.) 6. Turn the Screw A to obtain minimum reading on the AC voltmeter. 7. Turn the Screw B to obtain minimum reading on the AC voltmeter. 8. Repeat steps 6 and 7 several times until minimum readings are obtained. 9. Press the EJECT key to eject the disc. 10. Proceed to the next step.
4	CD Tracking Adjustment	CD Test Disc SONY Type 3	Tracking Offset Meter between TP300 (DSCTE) (+) and TP107 (VREF) (-) on DVD Main P.C.B.	VR110	1. Set the tracking offset meter as follows: • Sensitivity switch: HIGH (right side) • Level switch: MEASURE (left side) • Center switch: MEASURE (center position) 2. Insert the CD test disc. 3. Press the STOP key once. Be sure that the following message appears on the display. CD ADJUST 4. Adjust VR110 so that the center meter indicates 0 V as shown on the left. Also, be sure that the left side meter indicates around 1 V. 5. Press the EJECT key to eject the disc. 6. Proceed to the next step to terminate the adjustment.



For New Model					
STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUST-MENT	REMARKS
5	Termination				1. Press the POWER key on the Main unit for more than 2 seconds to enter Standby mode. 2. Press the POWER button on the A/V Tuner/Processor unit to turn off the System. 3. Disconnect the measuring instruments. 4. Apply paint lock to the Screws A and B.

3.2.3. RAM Clear (System Controller & Mechanism Controller Clear)

NOTE: Before shipping perform the RAM Clear to perform the followings:

- To clear the usable setting values (such as tuner preset) to the initial setting values.
- To perform initialization operation of the changer mechanism

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUST-MENT	REMARKS
1	RAM Clear				1. Press the POWER key on the Main unit for more than 2 seconds to enter Standby mode. 2. Remove all discs. 3. Press and hold the SELECT and STOP buttons for more than 2 seconds. 4. The following messages will appear on the display. RAM CLEAR 2 ↓ (After 5 seconds) REGION x (x: 0 to 8) 5. Then, the following operation will be done. • User setting values are reset to the initial setting values. • Changer mechanism is initialized. 6. "Power OFF" will be displayed and the system is automatically shut off. POWER OFF If the disc remains in the changer mechanism, power is not shut off and the display returns to the normal one.

4. MECHANISM ASS'Y AND PARTS LIST

4.1. Main Unit's Stand Ass'y

4.1.1. Main Unit's Stand Ass'y [SS-10/11]

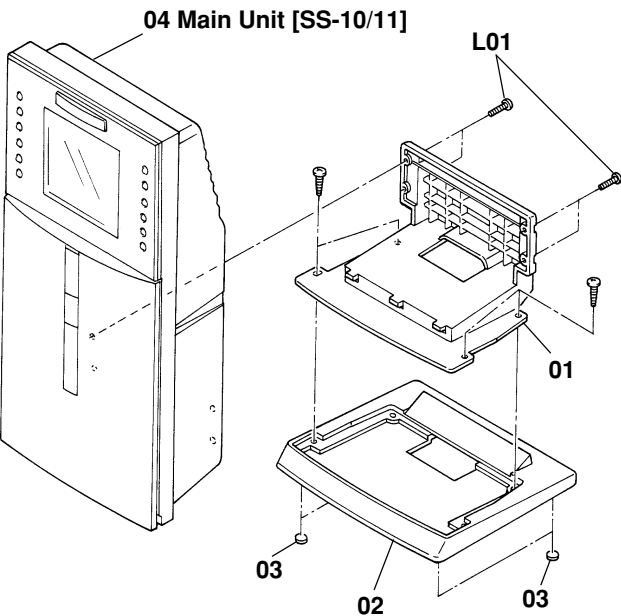


Fig. 4.1.1 SS-10/11

4.1.1. Main Unit's Stand Ass'y [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
	HA08121A	D Top Stand Ass'y [SS-10/11]	1
01	0H08415D	Stand Set Holder	1
02	0H08464C	D Top Base CNT	1
03	0J08411A	Stand Spacer S	4
04	—	Main Unit [SS-10/11]	1
L01	0E04177A	PT4x12 + Binding (Black)	1

4.1.2. Main Unit's Floor Stand Ass'y [SS-11 Only]

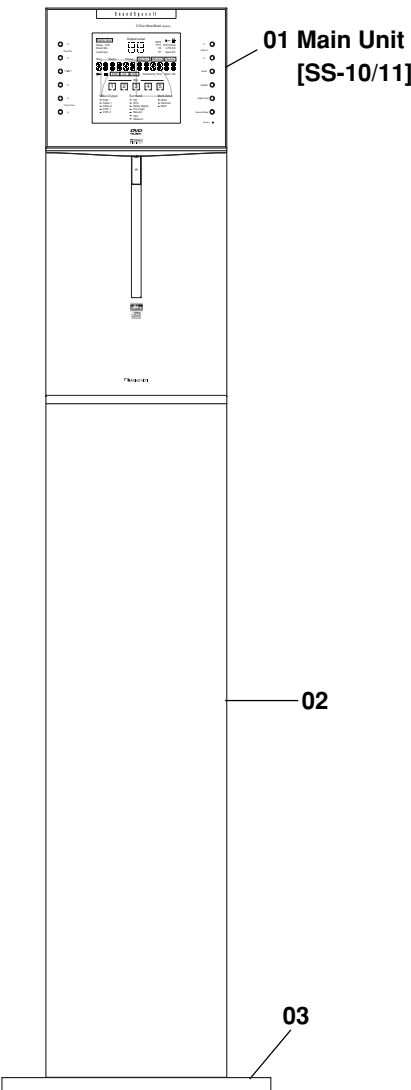
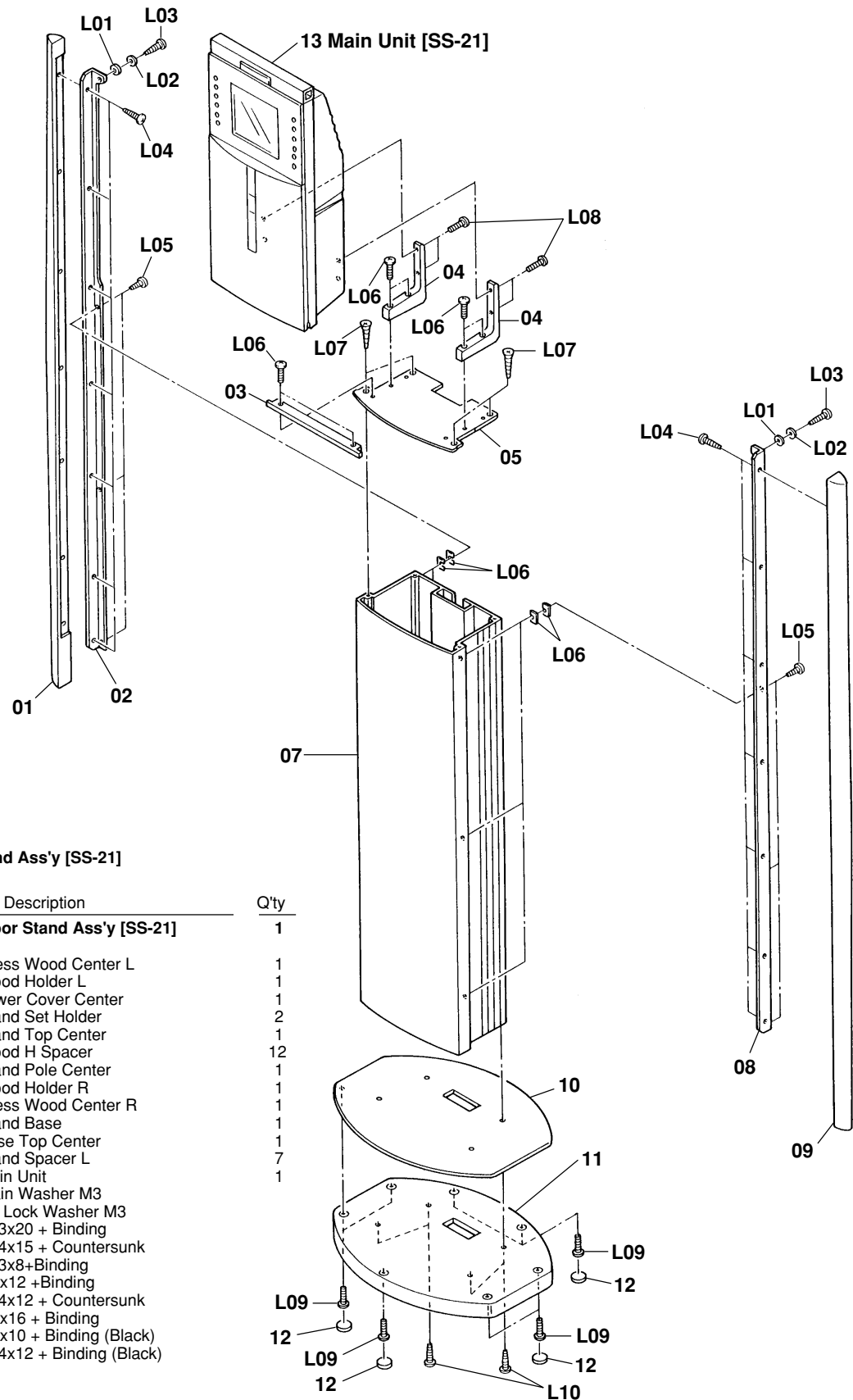


Fig. 4.1.2 SS-11

4.1.2. Main Unit's Floor Stand Ass'y [SS-11 Only]

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Floor Stand Ass'y N209 (For Main Unit) [SS-11]	1
01	—	Main Unit [SS-10/11]	1
02	0H08466A	Stand Pole D202CNT	1
03	0H08465C	Stand Base D202CNT	1
—	0J08410A	Stand Spacer D202L	5
—	0H08415D	Stand Set Holder D202	1
L01	0E00852A	BT4x12 + Binding (Black)	1
Schematic Ref. No.	Part No.	Description	Q'ty
	—	Accessory Ass'y (Floor Stand) [SS-11]	
—	0H08555A	Stand Cover D202SA (For Front L/R and Rear L/R Speakers)	4
—	DA05446A	Screw Ass'y N210 (For Front L/R and Rear L/R Speakers)	2
—	DA05428A	Screw Ass'y N209 (For Center Speaker)	1

4.1.3. Main Unit's Stand Ass'y [SS-21]



4.1.3. Main Unit's Floor Stand Ass'y [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Floor Stand Ass'y [SS-21]	1
01	0H08518B	Dress Wood Center L	1
02	0H08520B	Wood Holder L	1
03	0H08575A	Lower Cover Center	1
04	0H08528B	Stand Set Holder	2
05	0H08527B	Stand Top Center	1
06	0J08488A	Wood H Spacer	12
07	0H08526B	Stand Pole Center	1
08	0H08521B	Wood Holder R	1
09	0H08519B	Dress Wood Center R	1
10	0H08525E	Stand Base	1
11	0H08576A	Base Top Center	1
12	0J08410A	Stand Spacer L	7
13	—	Main Unit	1
L01	0E04227A	Plain Washer M3	
L02	0E04228A	SP Lock Washer M3	
L03	0E04229A	PT3x20 + Binding	
L04	0E04230A	TP4x15 + Countersunk	
L05	0E03028A	BT3x8+Binding	
L06	0E03424A	M3x12 +Binding	
L07	0E04240A	BT4x12 + Countersunk	
L08	0E03265A	M3x16 + Binding	
L09	0E00953A	M4x10 + Binding (Black)	
L10	0E00852A	BT4x12 + Binding (Black)	

Fig. 4.1.3 SS-21

4.2. Synthesis (Main Unit)

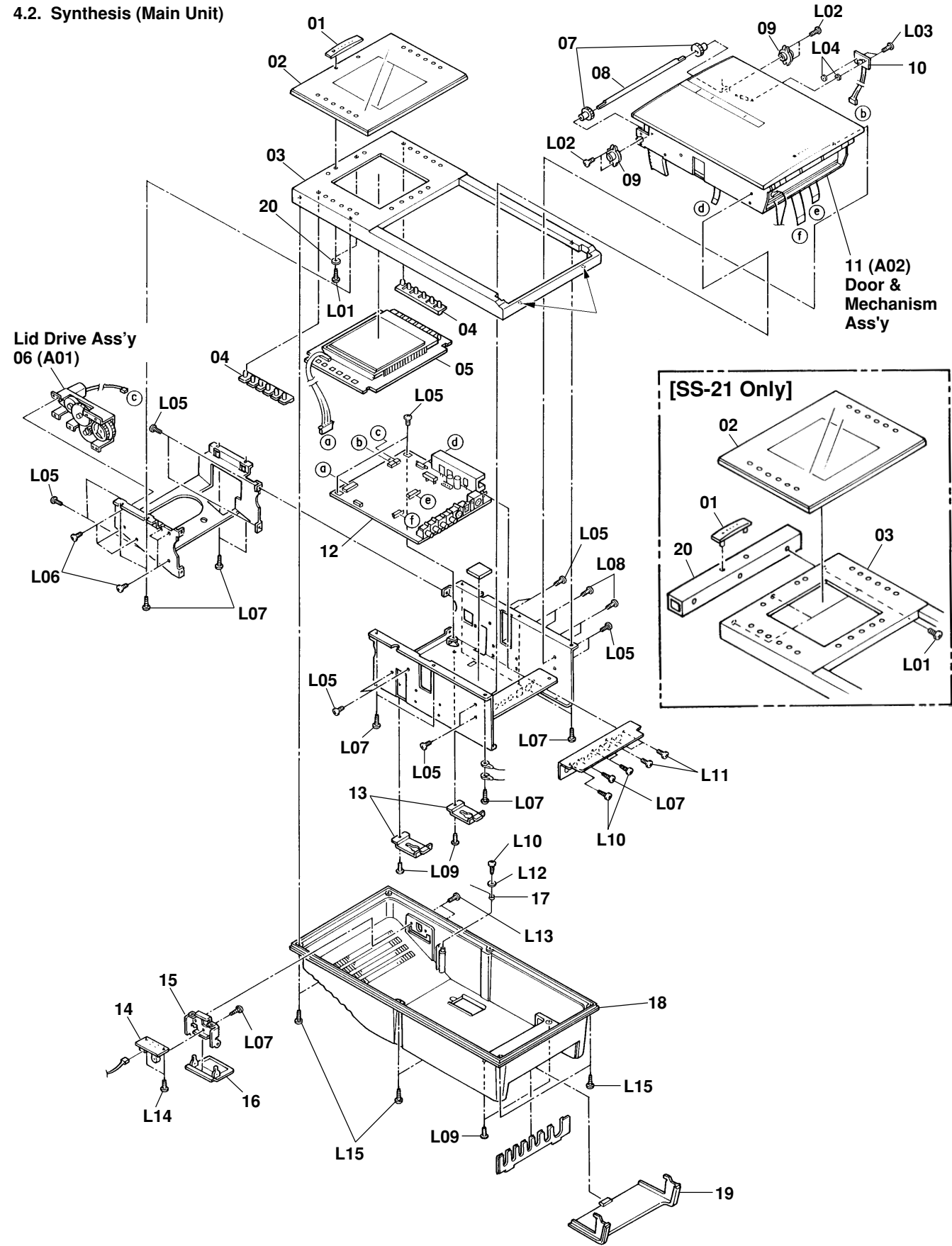


Fig. 4.2

4.2. Synthesis (Main Unit)

4.2.1. Synthesis (Main Unit) [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
Synthesis (Main Unit) [SS-10/11]			
01	0H08374C	Name Plate [SS-10]	1
	0H08558A	Name Plate [SS-11]	1
02	0H08373E	Dress Glass	1
03	0H08370F	Escutcheon Center	1
04	0H08379B	Button Control	2
05	BA10169A	LCD P.C.B. Ass'y	1
06	CA09396A	Lid Drive Ass'y	1
07	0C10338B	Lid Drive Pinion	2
08	0C10339B	Lid Drive Shaft	1
09	0J08363A	Shaft Holder	2
10	BA10174A	Sen P.C.B. Ass'y	1
11	—	Door & Mechanism Ass'y	1
12	BA10163A	Main P.C.B. Ass'y (JPN)	1
	BA10164A	Main P.C.B. Ass'y (DA, USA, CAN)	1
	BA10165A	Main P.C.B. Ass'y (UK, EP, AUS)	1
	BA10166A	Main P.C.B. Ass'y (OTR, CH, HK, ML)	1
	BA10167A	Main P.C.B. Ass'y (TW, KR)	1
13	0J08261B	Hook Plate	2
14	BA10173A	OPT P.C.B. Ass'y	1
15	0J08361C	Mini Jack Plate	1
16	0H08376C	Mini Jack Cover	1
17	0J08379B	Cover SP	1
18	0H08372D	Rear Cover	1
19	0H08375B	Main Jack Cover	1
20	0J08447A	Name Plate Spacer	2
L01	0E03814A	PT2x8 Binding (Black)	
L02	0E03573A	ST2.6x4 + Binding	
L03	0E00922A	M2x3 + Pan (Black)	
L04	0E04199A	Washer 2.5x4.3x0.188	
L05	0E00877A	ST3x5 + Binding	
L06	0E00791A	M2.6x6 + Binding	
L07	0E03749A	PT3x8 + Binding (Black)	
L08	0E00896A	M3x6 + Binding	
L09	0E03283A	ST3x6 + Binding (Black)	
L10	0E00921A	BT3x8 + Binding (Black)	
L11	0E03072A	M2.6x6 + Binding (Black)	
L12	0E00029A	Washer 2x6x0.4	
L13	0E04179A	ST3x6 + Flat Head (Black)	
L14	0E03669A	M2x4 + Binding	
L15	0E04133A	PT3x10 + Truss	

4.2.2. Synthesis (Main Unit) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
Synthesis (Main Unit) [SS-21]			
01	0H08522B	Name Plate	1
02	0H08510B	Dress Glass	1
03	0H08543C	Escutcheon Center	1
04	0H08379B	Button Control	2
05	BA10169A	LCD P.C.B. Ass'y	1
06	CA09396A	Lid Drive Ass'y	1
07	0C10338B	Lid Drive Pinion	2
08	0C10339B	Lid Drive Shaft	1
09	0J08363A	Shaft Holder	2
10	BA10174A	Sen P.C.B. Ass'y	1
11	—	Door & Mechanism Ass'y	1
12	BA10163A	Main P.C.B. Ass'y (JPN)	1
	BA10164A	Main P.C.B. Ass'y (USA, CAN, DA)	1
	BA10165A	Main P.C.B. Ass'y (UK, SA, EP)	1
	BA10166A	Main P.C.B. Ass'y (DU, CH, HK, ML)	1
	BA10167A	Main P.C.B. Ass'y (KR, TW)	1
13	0J08261B	Hook Plate	2
14	BA10173A	OPT P.C.B. Ass'y	1
15	0J08361C	Mini Jack Plate	1
16	0H08376C	Mini Jack Cover	1
17	0J08379B	Cover SP	1
18	0H08372D	Rear Cover	1
19	0H08375B	Main Jack Cover	1
20	0H08523C	Dress Top Center	1
L01	0E00608A	M3x10 + Pan 3A	
L02	0E03573A	ST2.6x4 + Binding	
L03	0E00922A	M2x3 + Pan (Black)	
L04	0E04199A	Washer 2.5x4.3x0.188	
L05	0E00877A	ST3x5 + Binding	
L06	0E00791A	M2.6x6 + Binding	
L07	0E03749A	PT3x8 + Binding (Black)	
L08	0E00896A	M3x6 + Binding	
L09	0E03283A	ST3x6 + Binding (Black)	
L10	0E00921A	BT3x8 + Binding (Black)	
L11	0E03072A	M2.6x6 + Binding (Black)	
L12	0E00029A	Washer 2x6x0.4	
L13	0E04179A	ST3x6 + Flat Head (Black)	
L14	0E03669A	M2x4 + Binding	
L15	0E04133A	PT3x10 + Truss	

4.3. Lid Drive Ass'y (A01)

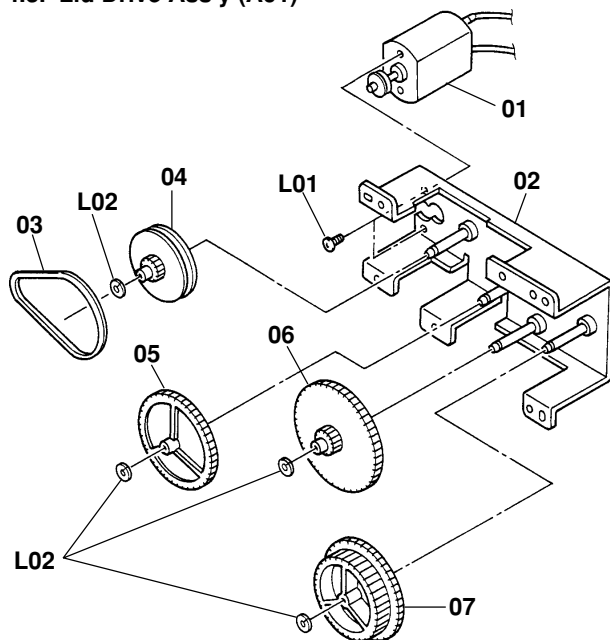


Fig. 4.3

4.3. Lid Drive Ass'y (A01)

Schematic Ref. No.	Part No.	Description	Q'ty
A01	CA09396A	Lid Drive Ass'y	1
01	CA09398A	Lid Drive Motor Ass'y	1
02	CA09397E	Lid Drive Chassis S Ass'y	1
03	0C10352A	Belt	1
04	0C10334B	Lid Drive Gear OM	1
05	0C10335C	Lid Drive Gear OE	1
06	0C10336C	Lid Drive Gear OP	1
07	0C10337C	Lid Drive Gear OB	1
L01	0E03953A	M2x2 + Pan (#0 Type 1)	
L02	0E04175B	Cut Washer 2.6x5x0.188	

4.4. Door & Mechanism Ass'y (A02)

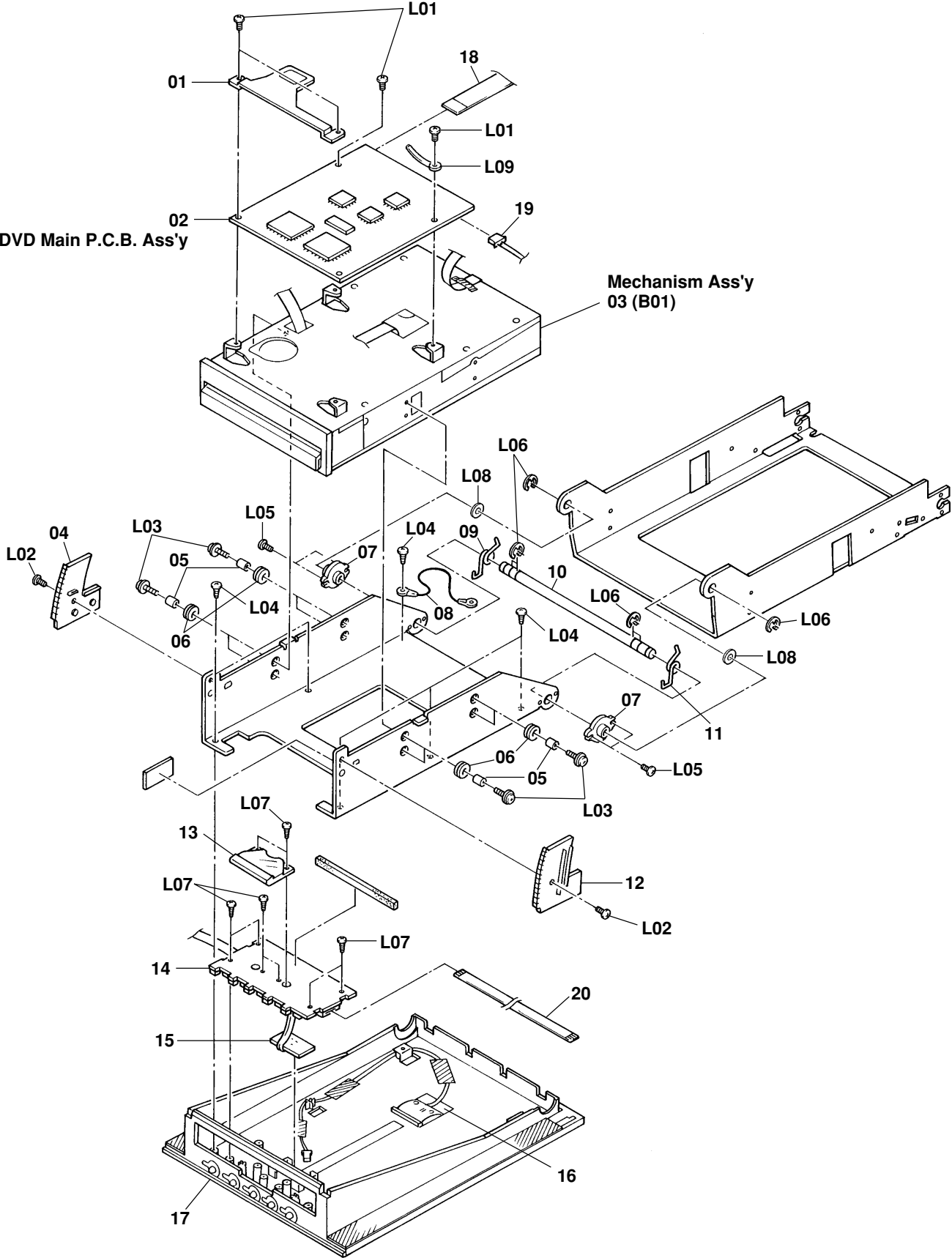


Fig. 4.4

4.4. Door & Mechanism Ass'y (A02)**4.4.1. Door & Mechanism Ass'y (A02) [SS-10/11]**

Schematic Ref. No.	Part No.	Description	Q'ty
A02	—	Door & Mechanism Ass'y [SS-10/11]	1
01	0J08459A	DVD Heat Sink	1
02	BK10322A	DVD Main P.C.B. Ass'y (C3M1) [New]	1
	BG10107A	DVD Main P.C.B. Ass'y (M3C1) [Current]	1
		(See Note below.)	
03	HA08001B	Mechanism Ass'y (M3C1) [Current]	1
	HA08661A	Mechanism Ass'y (C3M1) [New]	1
04	0C10341D	Lid Drive Rack R	1
05	0J08381A	Damper Collar	8
06	0J08380B	Mecha Damper	8
07	0J08363A	Shaft Holder	2
08	0B85493A	1P Wire GND D202	1
09	0J08367B	Tension Spring R	1
10	0J08365A	Door Fix Shaft	1
11	0J08366B	Tension Spring L	1
12	0C10340C	Lid Drive Rack L	1
13	0H08411A	Illumination Lens	1
14	BA10170A	SW P.C.B. Ass'y	1
15	BA10172A	REM P.C.B. Ass'y	1
16	BA10171A	LED P.C.B. Ass'y	1
17	HA08375A	Door Sub Ass'y Center (Except UK, EP)	1
	HA08376A	Door Sub Ass'y Center RDS (UK, EP)	1
18	0B85436A	24P Flexible Wire	1
19	0B85427A	6P Wire Ass'y Power	1
20	0B85433B	8P Flexible Wire	1
L01	0E00964A	M3x5 + Binding	
L02	0E03280A	ST3x8 + Binding	
L03	0E04176A	M3x8 + Binding 2A (PW)	
L04	0E03731A	PT3x8 + Binding	
L05	0E03203A	ST2.6x5 + Binding	
L06	0E00134A	E-Ring 4mm	
L07	0E03814A	PT2x8 Binding (Black)	
L08	0E04200B	Washer 7.6x12x0.5	
L09	0E03700B	Coating Clip	

4.4.2. Door & Mechanism Ass'y (A02) [SS-21]

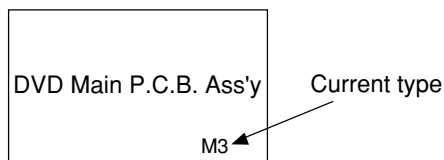
Schematic Ref. No.	Part No.	Description	Q'ty
A02	—	Door & Mechanism Ass'y [SS-21]	1
01	0J08459A	DVD Heat Sink	1
02	BK10322A	DVD Main P.C.B. Ass'y (C3M1) [New]	1
	BG10107A	DVD Main P.C.B. Ass'y (M3C1) [Current]	1
		(See Note below.)	
03	HA08001B	Mechanism Ass'y (M3C1) [Current]	1
	HA08661A	Mechanism Ass'y (C3M1) [New]	1
04	0C10341D	Lid Drive Rack R	1
05	0J08381A	Damper Collar	8
06	0J08380B	Mecha Damper	8
07	0J08363A	Shaft Holder	4
08	0B85493A	1P WIRE GND D202	1
09	0J08367B	Tension Spring R	1
10	0J08365A	Door Flexible Shaft	1
11	0J08366B	Tension Spring L	1
12	0C10340C	Lid Drive Rack L	1
13	0H08411A	Illumination Lens	1
14	BA10170A	SW P.C.B. Ass'y	1
15	BA10172A	REM P.C.B. Ass'y	1
16	BA10171A	LED P.C.B. Ass'y	1
17	HA08375A	Door Sub Ass'y Center (Except UK, EP)	1
17	HA08376A	Door Sub Ass'y Center RDS (UK, EP)	1
18	0B85436A	24P Flexible Wire	1
19	0B85427A	6P Wire Ass'y Power	1
20	0B85433B	8P Flexible Wire	1
L01	0E00964A	M3x5 + Binding	
L02	0E03280A	ST3x8 + Binding	
L03	0E04176A	M3x8 + Binding 2A (PW)	
L04	0E03731A	PT3x8 + Binding	
L05	0E03203A	ST2.6x5 + Binding	
L06	0E00134A	E-Ring 4mm	
L07	0E03814A	PT2x8 Binding (Black)	
L08	0E04200B	Washer 7.6x12x0.5	
L09	0E03700B	Coating Clip	

Note for Ref. No. 02 (DVD Main P.C.B. Ass'y):

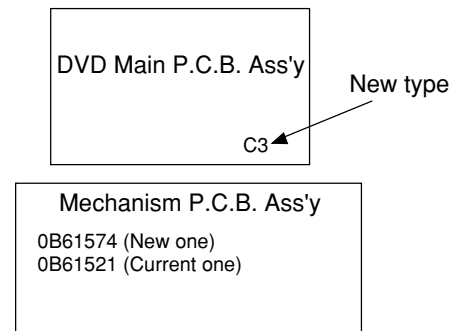
The current DVD Main P.C.B. Ass'y (M3C1) is not supplied. Therefore, you need to replace it with the new DVD Main P.C.B. Ass'y (C3M1).

When the current DVD Main P.C.B. Ass'y (M3C1) is need to replace with the new DVD Main P.C.B. Ass'y (C3M1), you need to also replace the Mechanism P.C.B. Ass'y with new one.

- How to distinguish the type:
See the mark on the P.C.B. If it is "M3", the Main P.C.B. is the current one.



- Things to prepare:
BG10251A DVD Main P.C.B. Ass'y (C3M1) [New]
(For SS-10/11)
BG10322A DVD Main P.C.B. Ass'y (C3M1) [New]
(For SS-21)
BA10323A Mechanism P.C.B. Ass'y (C3M1) [New]
(Ref. No. 28 on page 1-24.)



4.5. Mechanism Ass'y (B01)

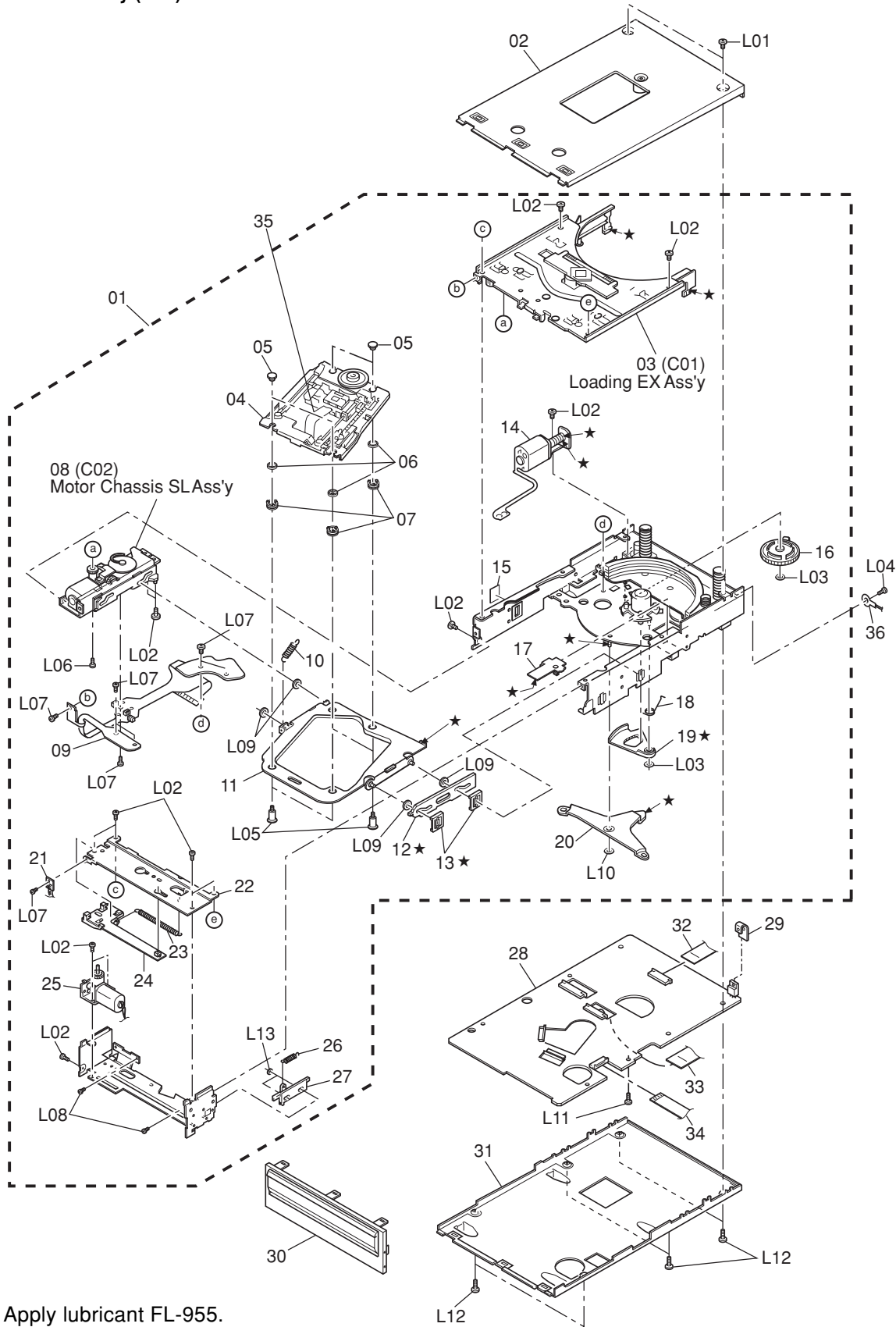


Fig. 4.5

4.5. Mechanism Ass'y (A01)

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
B01	HA08001A	Mechanism Ass'y (M3C1) [Current]	1	B01	HA08661A	Mechanism Ass'y (C3M1) [New]	1
01	CG09399A	Mechanism Deck Ass'y	1	01	CG09478A	Mechanism Deck Ass'y	1
02	CA09393A	Top Cover EX Ass'y	1	02	CA09393A	Top Cover EX Ass'y	1
03	CA09402A	Loading EX Ass'y	1	03	CA09402A	Loading EX Ass'y	1
04	CG09401A	DVD Traverse Ass'y	1	04	CA09479A	DVD Traverse Ass'y	1
05	0C10325B	SUS Collar T	4	05	0C10325B	SUS Collar T	4
06	0C10326A	SUS Collar B	4	06	0C10326A	SUS Collar B	4
07	0C10279A	Damper S SL	4	07	0C10279A	Damper S SL	4
08	CA09415A	Motor Chassis EX Ass'y	1	08	CA09415A	Motor Chassis EX Ass'y	1
09	BA09736A	Mecha Flexible P.C.B. Ass'y	1	09	BA09736A	Mecha Flexible P.C.B. Ass'y	1
10	0C10286A	Anti Rattle Spring SL	1	10	0C10286A	Anti Rattle Spring SL	1
11	CA09392B	SUS Base ADT S Ass'y	1	11	CA09392B	SUS Base ADT S Ass'y	1
12	0C10185B	Mechanism UD Sub Cam SL	1	12	0C10185B	Mechanism UD Sub Cam SL	1
13	0C10186A	UD S Cam Guide SL	2	13	0C10186A	UD S Cam Guide SL	2
14	CA09351A	Stocker Motor SL Ass'y	1	14	CA09351A	Stocker Motor SL Ass'y	1
15	0J08004A	Dust Seal Emergency SL	1	15	0J08004A	Dust Seal Emergency SL	1
16	0C10175A	Stocker Position Gear SL	1	16	0C10175A	Stocker Position Gear SL	1
17	0C10211B	Plate Spring SL	1	17	0C10211B	Plate Spring SL	1
18	0C10184A	Disc Lock Spring SL	1	18	0C10184A	Disc Lock Spring SL	1
19	0C10183A	Disc Lock Arm SL	1	19	0C10183A	Disc Lock Arm SL	1
20	0C10187A	UD Link Arm SL	1	20	0C10187A	UD Link Arm SL	1
21	BA10175A	Photo P.C.B. Ass'y	1	21	BA10175A	Photo P.C.B. Ass'y	1
22	0C10306C	EX Loading Chassis	1	22	0C10306C	EX Loading Chassis	1
23	0C10351A	EX Loading Return Spring	1	23	0C10351A	EX Loading Return Spring	1
24	CA09407A	Mov G Plate Ass'y	1	24	CA09407A	Mov G Plate Ass'y	1
25	CA09408A	EX Motor Ass'y	1	25	CA09408A	EX Motor Ass'y	1
26	0C10250A	Shutter Spring SL	1	26	0C10250A	Shutter Spring SL	1
27	0C10305B	Sub Cam Extension	1	27	0C10305B	Sub Cam Extension	1
28	BA10168A	Mechanism P.C.B. Ass'y (M3C1) (See Note.)	1	28	BA10323A	Mechanism P.C.B. Ass'y (C3M1) (See Note.)	1
29	0J08023A	Heat Sink Reg	1	29	0J08023A	Heat Sink Reg	1
30	HA07968B	F Panel EX Ass'y	1	30	HA07968B	F Panel EX Ass'y	1
31	CA09394A	Bottom Cover EX Ass'y	1	31	CA09394A	Bottom Cover EX Ass'y	1
32	0B85435A	14P Flexible Wire	1	32	0B85435A	14P Flexible Wire	1
33	0B85438A	40P Flexible Wire	1	33	0B85438A	40P Flexible Wire	1
34	0B85434A	13P Flexible Wire	1	34	0B85434A	13P Flexible Wire	1
35	0B85437A	30P Flexible Wire	1	35	0B85437A	30P Flexible Wire	1
36	0B85493A	1P Wire GND D202	1	36	0B85493A	1P Wire GND D202	1
L01	0E00120A	M2.6x3 + Pan		L01	0E00120A	M2.6x3 + Pan	
L02	0E03964A	ST2.6x3 + Pan (#0 Type 3)		L02	0E03964A	ST2.6x3 + Pan (#0 Type 3)	
L03	0E03955A	Cut Washer 2.2x4.2x0.2		L03	0E03955A	Cut Washer 2.2x4.2x0.2	
L04	0E04036A	M2.6x8 + Pan		L04	0E04036A	M2.6x8 + Pan	
L05	0C10287A	Damper Screw SL		L05	0C10287A	Damper Screw SL	
L06	0E03845A	M1.7x2.5 + Pan (#0 Type 3) (Black)		L06	0E03845A	M1.7x2.5 + Pan (#0 Type 3) (Black)	
L07	0E03945A	M2x2 + Pan (#0 Type 3) (Black)		L07	0E03945A	M2x2 + Pan (#0 Type 3) (Black)	
L08	0E03953A	M2x2 + Pan (#0 Type 1)		L08	0E03953A	M2x2 + Pan (#0 Type 1)	
L09	0E03971A	Pet Washer		L09	0E03971A	Pet Washer	
L10	0E03956A	Cut Washer 3.2x5.2x0.2		L10	0E03956A	Cut Washer 3.2x5.2x0.2	
L11	0E03947A	M2.6x3.5 + Pan (#0 Type 3)		L11	0E03947A	M2.6x3.5 + Pan (#0 Type 3)	
L12	0E04032A	M2.6x5 + Pan (#0 Type 3)		L12	0E04032A	M2.6x5 + Pan (#0 Type 3)	
L13	0E03954A	Cut Washer 1.6x3.2x0.2		L13	0E03954A	Cut Washer 1.6x3.2x0.2	

Note for Ref. No. 28:

When the Mechanism P.C.B. Ass'y is replaced with new one, pay attention to the compatibility with the DVD Main P.C.B. Ass'y.

- When the current DVD Main P.C.B. Ass'y (M3C1) is used, use the Mechanism P.C.B. Ass'y (M3C1).
- When the new DVD Main P.C.B. Ass'y (C3M1) is used, use the new Mechanism P.C.B. Ass'y (C3M1).

To identify the current and new DVD Main P.C.B. Ass'y, see "Note for Ref. No. 02" on page 1-22.

Lubricant:

NOTE: For places to be lubricant, see the next page.

We suggest that you use grease FL-955/G-4270 or equivalent type.

The company dealing FL-955/G-4270 is as follows:

- FL-955

Kanto Chemicals Co. Ltd., 2-7 Kanda Sakuma-cho, Chiyoda-Ku, Tokyo, Japan

4.6. Loading EX Ass'y (C01)

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
C01	CA09402A	Loading EX Ass'y	1	20	0C10191A	Idler Pulley SL	1
01	0C10201A	Loading Plate R SL	1	21	0C10195B	Lapping Arm SL	2
02	0C10215A	LP Slider SL	2	22	0C10194A	Disc Catch Gear SL	1
03	0C10295A	Loading Roller	4	23	CA09336A	Disc Fin Arm SL S Ass'y	1
04	0C10296A	Screw Collar	4	24	0C10196C	Lapping Arm Spring	1
05	0C10294A	Loading Screw	4	25	CA09337A	Loading Plate L SL A Ass'y	1
06	CA09403A	Clamper ADT Ass'y	1	26	0C10251A	Loading Center Gear SL	1
07	0C10203A	Disc Guide Upper SL	1	27	0C10250A	Shutter Spring SL	1
08	0C10252A	Loading Return Spring SL	1	28	0C10204A	Shutter Lever SL	1
09	CA09356A	Loading Link B SL S Ass'y	1	29	CA09361C	Loading Chassis SLS Ass'y	1
10	0C10248A	Loading Idler Gear L SL	1	30	0C10255A	Shutter Arm Cushion SL	2
11	0C10247A	Loading Gear Collar SL	1	31	0C10249A	Shutter Arm SL	1
12	CA09355A	Loading Link A SL S Ass'y	1	32	0C10254A	Shutter Arm Shaft SL	1
13	0C10213A	Timing Gear SL	1	33	0C10206A	Clamp Holder R SL	1
14	0C10190A	Timing Belt SL	1	34	0C10205A	Clamp Holder L SL	1
15	CA09335A	Disc Fin Arm LO SL S Ass'y	1	35	0C10253A	Clamper Return Spring SL	1
16	0C10199A	Disc Guide L SL	1	36	CA09395A	Disc G R EX S Ass'y	1
17	0C10214A	Catch Arm Spring SL	1	L01	0E03961A	BT2x4 + Pan (#0 Type 1) (Black)	
18	0C10193A	Pulley Spring SL	1	L02	0E03943A	BT1.7x5 + Pan (#0 Type 3) (Black)	
19	0C10192A	Pulley Fork SL	1	L03	0E03955A	Cut Washer 2.2x4.2x0.2	
				L04	0E03969A	M1.4x3 + Pan (#0 Type 3)	
				L05	0E03963A	BT1.7x3 + Pan (#0 Type 1) (Black)	

● For Fig. 4.6

Apply **FL-955** (grease) to the following places (marked with ★) when parts are replaced.

<u>Ref. No.</u>	<u>Location</u>	<u>Remarks</u>
01	Loading Plate R SL	Groove
02	LP Slider SL	Whole surface (2 places)
03	Loading Roller	Whole surface (4 places)
04	Screw Collar	Whole surface (4 places)
09	Loading Link B SL S Ass'y	Gear surface
10	Loading Idler Gear L SL	Gear surface
12	Loading Link A SL S Ass'y	Gear surface
13	Timing Gear SL	Gear surface
16	Disc Guide L SL	Stud
20	Idler Pulley SL	Whole surface
25	Loading Plate L SL A Ass'y	Grooves (2 places)
26	Loading Center Gear SL	Whole surface
29	Loading Chassis SL Ass'y	Holes (4 places)
33	Clamp Holder L SL	Whole surface
34	Clamp Holder R SL	Whole surface

● For Fig. 4.5 on page 1-24

Apply **FL-955** (grease) to the following places (marked with ★) when parts are replaced.

<u>Ref. No.</u>	<u>Location</u>	<u>Remarks</u>
03	Loading EX Ass'y	
	Edges which are inserted into the chassis plate	
11	SUS Base ADT S Ass'y	
	• Contact part with the Plate Spring SL (Ref. No. 17)	
12	Mecha UD Sub Cam SL	Whole surface
13	UD S Cam Guide SL (2 pcs.)	Whole surface
14	Stocker Motor SL Ass'y	
	• Motor Shaft Worm Gear	
	• Motor Shaft End	
17	Plate Spring SL	
	Contact part (bottom end) with the SUS Base X Sub Ass'y (Ref. No. 11)	
19	Disc Lock Arm SL	Whole surface
20	UD Link Arm SL	
	• Around the Top End	
—	Shaft for UD Link Arm SL (Ref. No. 20)	

4.6. Loading EX Ass'y (C01)

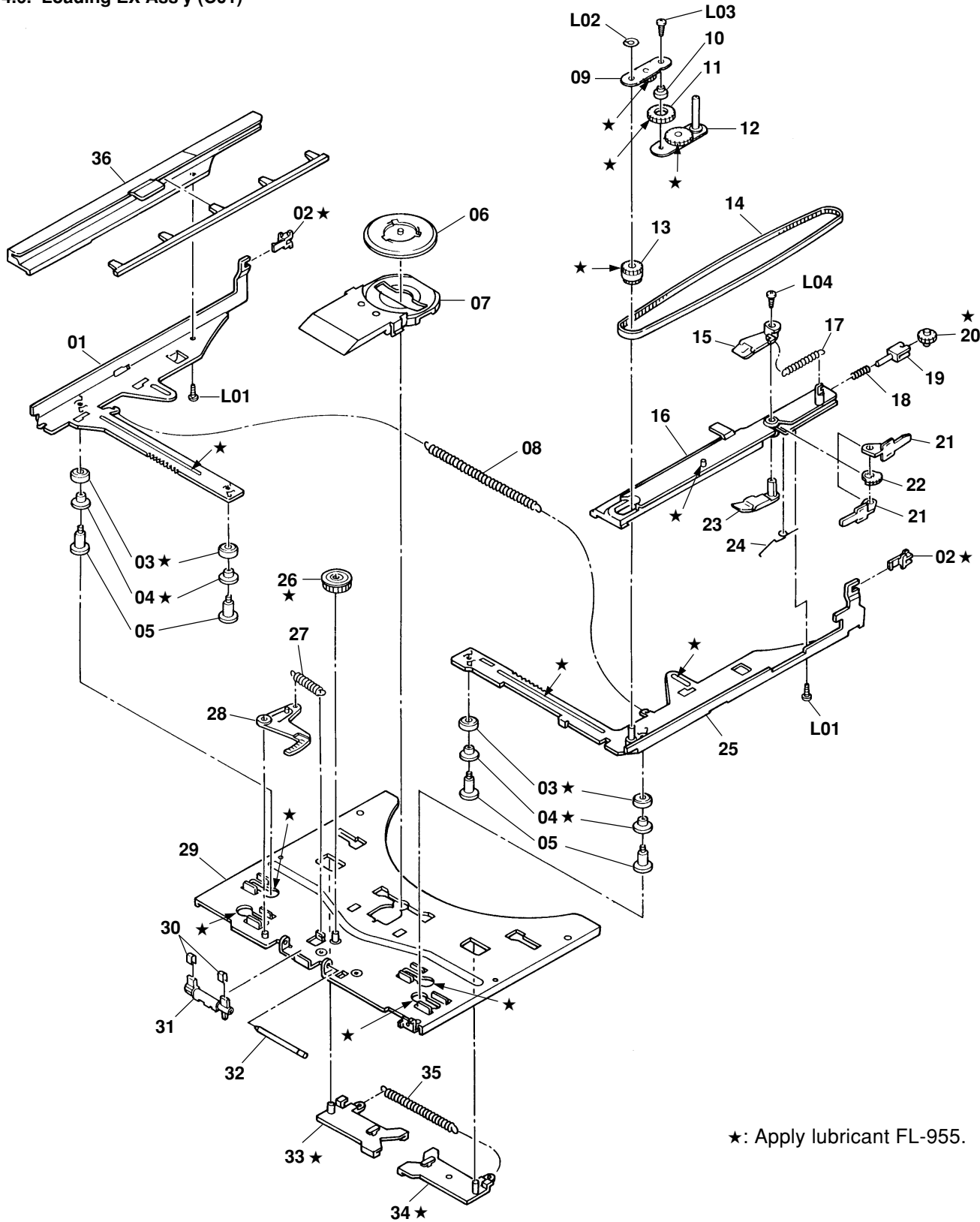


Fig. 4.6

4.7. Motor Chassis SL Ass'y (C02)

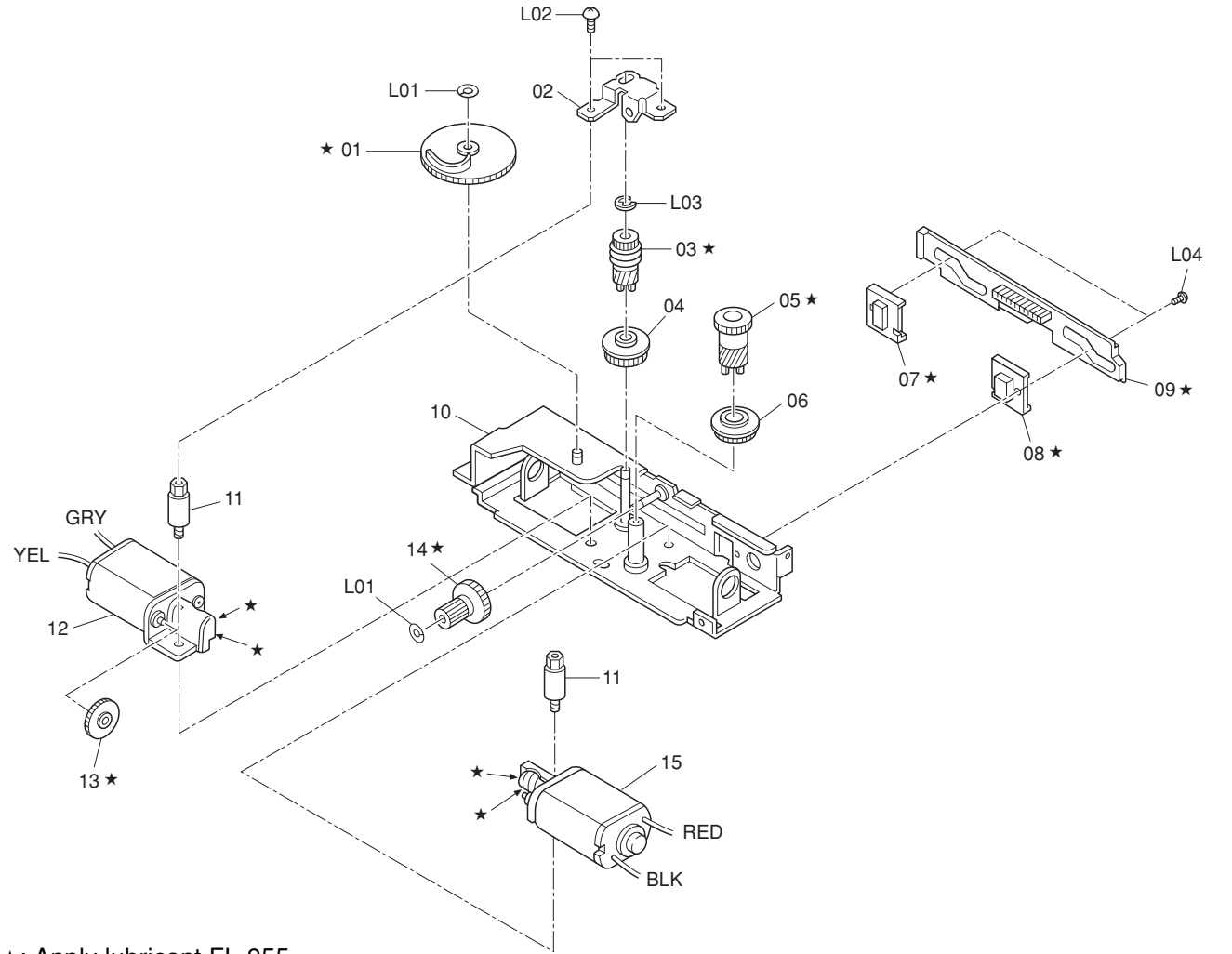


Fig. 4.7

4.7. Motor Chassis SL Ass'y (C02)

Schematic			
Ref. No.	Part No.	Description	Q'ty
C02	CA09415A	Motor Chassis EX Ass'y	1
01	0C10238A	Loading Plate Cam SL	1
02	0C10240A	UD Worm Plate SL	1
03	0C10233A	UD Worm Gear SL	1
04	0C10235A	Mecha Sensor Ring SL	1
05	0C10236A	Loading Worm Gear SL	1
06	0C10237A	Loading Sensor Ring SL	1
07	0C10208A	UD Cam Guide SL	1
08	0C10242A	UD Cam Guide W SL	1
09	0C10232A	UD Cam SL	1
10	CA09338A	Motor Chassis SL S Ass'y	1
11	0C10241A	Bracket Screw SL	2
12	CA09417A	UD Motor EX Ass'y	1
13	0C10239A	Emergency Gear SL	1
14	0C10234A	Mecha UD Gear SL	1
15	CA09416A	Loading Motor EX Ass'y	1
L01	0E03955A	Cut Washer 2.2x4.2x0.2	
L02	0E03947A	M2.6x3.5 + Pan (#0 Type 3)	
L03	0E00222A	E-Ring 2.0mm	
L04	0E03967A	M1.4x2 + Pan (#0 Type 1) (Black)	

Apply **FL-955** (grease) to the following places (marked with ★) when parts are replaced.

Ref. No.	Location	Remarks
01	Loading Plate Cam SL	Whole surface
03	UD Worm Gear SL	Whole surface
05	Loading Worm Gear SL	Whole surface
07	UD Cam Guide SL	Whole surface
08	UD Cam Guide W SL	Whole surface
09	UD Cam SL	Whole surface
12	UD Motor EX Ass'y	• Motor Shaft Worm Gear • Motor Shaft End
13	Emergency Gear SL	Whole surface
14	Mecha UD Gear SL	Whole surface
15	Loading Motor EX Ass'y	• Motor Shaft Worm Gear • Motor Shaft End

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
 RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,
 RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,
 CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,
 CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10μ 16V

3. Parts marked with * show chip parts.

5.1. Main P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
			L325	0B50354A	Coil 750* (UK, OTR, AUS, EP, CH, HK, KR, ML, TW)	R157	0B25515A	RK 100 1/10W J*
	BA10163A	Main P.C.B Ass'y (JPN)		0B25612A	RK 0 1/10W J* (USA, CAN, DA, JPN)	R158	0B25587A	RK 100K 1/10W J*
	BA10164A	Main P.C.B Ass'y (USA, CAN, DA)	X101	0B90905A	X'tal 8.38MHz	R159	0B25539A	RK 1K 1/10W J*
	BA10165A	Main P.C.B Ass'y (UK, AUS, EP)	T301	0B51351A	Pulse Transformer (TC-1027-04)	R160	0B25612A	RK 0 1/10W J*
	BA10166A	Main P.C.B Ass'y (OTR, CH, HK, ML)	R000	0B25612A	RK 0 1/10W J*	R161	0B25563A	RK 10K 1/10W J*
	BA10167A	Main P.C.B Ass'y (KR, TW) [SS-10/11/21]	R101,102	0B25539A	RK 1K 1/10W J*	R162,163	0B25507A	RK 47 1/10W J*
			R103,104	0B25539A	RK 1K 1/10W J*	R164	0B25491A	RK 10 1/10W J*
			R105,106	0B25539A	RK 1K 1/10W J*	R165	0B25499A	RK 22 1/10W J*
			R107,108	0B25539A	RK 1K 1/10W J*	R166,167	0B25539A	RK 1K 1/10W J*
			R109	0B25539A	RK 1K 1/10W J*	R168,169	0B25539A	RK 1K 1/10W J*
U101	0B12863A	IC UPD78F4225GC-8*	R110,111	0B25555A	RK 4.7K 1/10W J*	R170	0B25515A	RK 100 1/10W J*
U102	0B10554A	IC PQ05RF1	R112,113	0B25539A	RK 1K 1/10W J*	R171	0B25587A	RK 100K 1/10W J*
U103	0B10806A	IC TC4538BF*	R114,115	0B25539A	RK 1K 1/10W J*	R301	0B25553A	RK 3.9K 1/10W J*
U104	0B10805A	IC TC4001BF*	R116,117	0B25539A	RK 1K 1/10W J*	R302	0B25539A	RK 1K 1/10W J*
U105	0B10723A	IC SN74LV32NS*	R118,119	0B25539A	RK 1K 1/10W J*	R303	0B25543A	RK 1.5K 1/10W J*
U106	0B10719A	IC TA8409F*	R120,121	0B25539A	RK 1K 1/10W J*	R304	0B25538A	RK 910 1/10W J*
U301	0B12864A	IC PQ30RV2	R122	0B25539A	RK 1K 1/10W J*	R307L,R	0B25579A	RK 47K 1/10W J*
U302	0B10571A	IC PQ05RF2	R123	0B25563A	RK 10K 1/10W J*	R308L,R	0B25515A	RK 100 1/10W J*
U303	0B12864A	IC PQ30RV2	R124,125	0B25547A	RK 2.2K 1/10W J*	R309	0B25523A	RK 220 1/10W J*
U304	0B10645A	IC NJM2100M*	R126,127	0B25563A	RK 10K 1/10W J*	R310	0B25563A	RK 10K 1/10W J*
U305	0B10832A	IC TC74HCU04AF*	R128	0B25563A	RK 10K 1/10W J*	R311	0B25579A	RK 47K 1/10W J*
U307,308	0B12862A	IC BA7660FS*	R129	0B25612A	RK 0 1/10W J* (UK, OTR, AUS, EP, CH, HK, ML)	R313	0B25512A	RK 75 1/10W J*
Q101,102	0B14167A	TR 2SC2412K*		0B29999A	Dummy R (JPN, USA, CAN, DA, KR, TW)	R314,315	0B25579A	RK 47K 1/10W J*
Q103	0B14167A	TR 2SC2412K*				R316,317	0B25514A	RK 91 1/10W J*
Q104	0B10930A	TR 2SD1758F*				R318,319	0B25531A	RK 470 1/10W J*
Q105,106	0B14011A	TR DTC114EK*				R320,321	0B25579A	RK 47K 1/10W J*
Q107	0B14011A	TR DTC114EK*				R322	0B25579A	RK 47K 1/10W J*
Q108	0B14002A	TR DTA114EK*	R130	0B25563A	RK 10K 1/10W J* (OTR, CH, HK, KR, ML, TW)	R323,324	0B25514A	RK 91 1/10W J*
Q109	0B14011A	TR DTC114EK*				R325	0B25514A	RK 91 1/10W J*
Q301L,R	0B14193A	TR DTC323TK*				R326,327	0B25531A	RK 470 1/10W J*
Q302	0B12901A	TR 2SB1132R*		0B25612A	RK 0 1/10W J* (USA, CAN, DA)	R328	0B25531A	RK 470 1/10W J*
Q303	0B14011A	TR DTC114EK*		0B29999A	Dummy R (UK, JPN, AUS, EP)	R329,330	0B25587A	RK 100K 1/10W J*
ZD101,102	0B12150A	ZD RD5.6V JS B2				R331	0B25587A	RK 100K 1/10W J*
ZD103,104	0B12150A	ZD RD5.6V JS B2				R332L,R	0B25562A	RK 9.1K 1/10W J*
ZD105,106	0B12150A	ZD RD5.6V JS B2	R131	0B25612A	RK 0 1/10W J* (JPN)	R333L,R	0B25547A	RK 2.2K 1/10W J*
ZD107,108	0B12150A	ZD RD5.6V JS B2				R334L,R	0B25562A	RK 9.1K 1/10W J*
ZD109,110	0B12150A	ZD RD5.6V JS B2		0B29999A	Dummy R (Except JPN)	R335	0B25539A	RK 1K 1/10W J*
ZD111	0B12150A	ZD RD5.6V JS B2	R132,133	0B25539A	RK 1K 1/10W J*	R336	0B25521A	RK 180 1/10W J*
ZD112	0B12154A	ZD RD6.2V JS B3	R134	0B25555A	RK 4.7K 1/10W J*	R337	0B25543A	RK 1.5K 1/10W J*
ZD113	0B12150A	ZD RD5.6V JS B2	R135	0B25611A	RK 1M 1/10W J*	R338	0B21642A	RF 3.6 5W
D101,102	0B12249A	SID 1SS133	R136	0B25563A	RK 10K 1/10W J*	R340L,R	0B25563A	RK 10K 1/10W J*
D103	0B12586A	SID 1N4002	R137	0B25587A	RK 100K 1/10W J*	R341L,R	0B25563A	RK 10K 1/10W J*
D106,107	0B12249A	SID 1SS133	R138	0B25547A	RK 2.2K 1/10W J*	R342L,R	0B25538A	RK 910 1/10W J*
D108,109	0B12249A	SID 1SS133	R139,140	0B25587A	RK 100K 1/10W J*	R343,344	0B25598A	RK 300K 1/10W J*
D110,111	0B12249A	SID 1SS133	R141	0B25605A	RK 560K 1/10W J*	R345,346	0B25598A	RK 300K 1/10W J*
D112	0B12249A	SID 1SS133	R142	0B25609A	RK 820K 1/10W J*	R347	0B25598A	RK 300K 1/10W J*
D113	0B12745A	SID MA719	R143	0B25563A	RK 10K 1/10W J*	R501,502	0B25579A	RK 47K 1/10W J*
L101,102	0B51369A	Inductor 10mH	R144	0B25605A	RK 560K 1/10W J*	C101	0B40081A	CE 470 16V
L316,317	0B50354A	Coil 750* (UK, OTR, AUS, EP, CH, HK, KR, ML, TW)	R145	0B25571A	RK 22K 1/10W J*	C102,103	0B43092A	CC 0.1 25V Z*
	0B25612A	RK 0 1/10W J* (USA, CAN, DA, JPN)	R146	0B25579A	RK 47K 1/10W J*	C104	0B40074A	CE 10 16V
			R147	0B25563A	RK 10K 1/10W J*	C105	0B43092A	CC 0.1 25V Z*
			R148	0B25605A	RK 560K 1/10W J*	C106	0B40074A	CE 10 16V
			R149	0B25571A	RK 22K 1/10W J*	C107	0B42342A	CE 0.1F 5.5V
L323,324	0B50354A	Coil 750* (UK, OTR, AUS, EP, CH, HK, KR, ML, TW)	R150	0B25605A	RK 560K 1/10W J*	C108,109	0B43092A	CC 0.1 25V Z*
			R151	0B25563A	RK 10K 1/10W J*	C111,112	0B43200A	CC 220P 50V J*
			R152,153	0B25579A	RK 47K 1/10W J*	C113	0B43092A	CC 0.1 25V Z*
	0B25612A	RK 0 1/10W J* (USA, CAN, DA, JPN)	R154,155	0B25515A	RK 100 1/10W J*	C114	0B40113A	CE 2.2 50V
			R156	0B25539A	RK 1K 1/10W J*	C115,116	0B41300A	CML 0.15 50V J
						C117,118	0B41823A	CML 0.01 50V J
						C119	0B42235A	CML 2200P 50V J
						C120	0B43092A	CC 0.1 25V Z*
						C121	0B43221A	CC 0.047 25V K*

Schematic Ref. No.	Part No.	Description
C122	0B40081A	CE 470 16V
C123	0B43092A	CC 0.1 25V Z*
C124	0B40888A	CE 100 25V
C125	0B40079A	CE 220 16V
C126,127	0B43092A	CC 0.1 25V Z*
C128,129	0B43092A	CC 0.1 25V Z*
C130,131	0B43210A	CC 1000P 50V J*
C132	0B40081A	CE 470 16V
C301,302	0B41298A	CML 0.1 50V J
C303	0B40880R	CE 2200 16V
C304	0B41298A	CML 0.1 50V J
C305	0B40078A	CE 100 16V
C306	0B41298A	CML 0.1 50V J
C307	0B40082A	CE 1000 16V
C308,309	0B41298A	CML 0.1 50V J
C310	0B40081A	CE 470 16V
C311L,R	0B40715A	CE 10 16V (LN)
C312L,R	0B42231A	CML 1000P 50V J
C313L,R	0B40715A	CE 10 16V (LN)
C314	0B40078A	CE 100 16V
C315	0B43092A	CC 0.1 25V Z*
C316	0B40658A	CE 33 16V (LN)
C317	0B41249A	CCP 0.01 100V J
C318,319	0B40074A	CE 10 16V
C320	0B40078A	CE 100 16V
C321	0B40854A	CE 1000 6.3V
C323,324	0B43062A	CC 100P 50V J*
C325	0B40077A	CE 47 16V
C326	0B43092A	CC 0.1 25V Z*
C327,328	0B40074A	CE 10 16V
C329	0B40074A	CE 10 16V
C330	0B40854A	CE 1000 6.3V
C332,333	0B40078A	CE 100 16V
C334,335	0B43062A	CC 100P 50V J*
C336	0B43062A	CC 100P 50V J*
C337	0B40077A	CE 47 16V
C338	0B43092A	CC 0.1 25V Z*
C339L,R	0B42672A	CML 220P 50V J
C341	0B43092A	CC 0.1 25V Z*
C342	0B40078A	CE 100 16V
C343	0B41298A	CML 0.1 50V J
C345,346	0B43092A	CC 0.1 25V Z*
C347,348	0B43092A	CC 0.1 25V Z*
C349L,R	0B40074A	CE 10 16V
CN101	0B85466A	13P DIN Socket
CN102	0B85452A	13P Mini Socket
CN107	0B85430A	3P Wire Ass'y OPT
CP101	0B85422A	14P F Connector*
CP102	0B81468A	4P S-Post
CP103	0B84607A	8P F Connector*
CP104	0B85423A	24P F Connector*
CP105	0B84473A	11P S-Post (WHT)
CP106	0B81464A	7P T-Post
CP108	0B81466A	2P S-Post
CP301	0B81638A	6P T-Post
JB100,101	0B85492A	1P Wire VGND
PJ301	0B85356A	1P Pin Jack Gold
PJ302	0B85358A	1P S Jack Gold
PJ303	0B85357A	3P Pin Jack Gold
	0B80673A	Earth Terminal (1)
	0E00766A	M3x8 + Binding (3)
	0E00896A	M3x6 + Binding (2)
	0J08415A	Heat Sink Center (1)
	0J08433C	DIN FIX Plate (1)

5.2. Mechanism P.C.B. Ass'y**5.2.1. Mechanism P.C.B. Ass'y (M3C1) [Current]**

Schematic Ref. No.	Part No.	Description
	BA10168A	Mechanism P.C.B. Ass'y (M3C1) [Current] [SS-10/11/21]
ICP01	0B12918A	IC ICP 0.5A*
U001	0B12868A	IC BA6859AFP*
U002	0B12867A	IC BA5938FM*
U003	0B11001A	IC NJM4558M
U004	0B06404A	IC NJM2904M
U105,106	0B10719A	IC TA8409F*
U107,108	0B10719A	IC TA8409F*
U401	0B10566A	IC PQ09RF1
U501	0B12869A	IC HD6433396*
U502	0B11928A	IC TC4049BF
Q001	0B14013A	TR DTC144EK*
Q031,032	0B12901A	TR 2SB1132R*
Q033	0B14227A	TR 2SA1576 S*
Q034	0B14009A	TR DTA144TKA*
Q035	0B14013A	TR DTC144EK*
Q036	0B10882A	TR DTC114TKA*
Q037	0B14188A	TR 2SC4081 R*
Q038,039	0B14002A	TR DTA114EK*
Q040,041	0B14188A	TR 2SC4081 R*
Q401	0B10792A	TR 2SB1182QR*
Q402	0B14167A	TR 2SC2412K*
Q403	0B10901A	TR 2SD2153TL*
Q404	0B10930A	TR 2SD1758F*
Q411,412	0B14167A	TR 2SC2412K*
Q413	0B14167A	TR 2SC2412K*
Q501	0B14167A	TR 2SC2412K*
Q502	0B14013A	TR DTC144EK*
Q511,512	0B14018A	TR DTC143TK*
Q513,514	0B14018A	TR DTC143TK*
Q515	0B14018A	TR DTC143TK*
ZD033	0B12168A	ZD RD10V JS B2
ZD401	0B12150A	ZD RD5.6V JS B2
ZD402	0B12160A	ZD RD7.5V JS B3
ZD403	0B12153A	ZD RD6.2V JS B2
ZD404	0B12150A	ZD RD5.6V JS B2
ZD502,503	0B12154A	ZD RD6.2V JS B3
D011	0B12249A	SID 1SS133
D031,032	0B12249A	SID 1SS133
D404	0B10540A	SID MA152WA*
D406	0B10540A	SID MA152WA*
D516	0B10539A	SID MA152WK*
D518	0B12249A	SID 1SS133
L001,002	0B50346A	Coil 80*
L003	0B50346A	Coil 80*
L503	0B50287A	Coil 120uH*
X501	0B90740A	Resonator 6.00MHz
J404,405	0B25612A	RK 0 1/10W J*
R001,002	0B09605A	RK 1 1/6W J
R003	0B09605A	RK 1 1/6W J
R004	0B25563A	RK 10K 1/10W J*
R005	0B25612A	RK 0 1/10W J*
R006	0B25563A	RK 10K 1/10W J*
R007,008	0B25517A	RK 120 1/10W J*
R011	0B25612A	RK 0 1/10W J*
R012	0B25563A	RK 10K 1/10W J*
R013,014	0B25579A	RK 47K 1/10W J*
R015,016	0B25612A	RK 0 1/10W J*
R017,018	0B25579A	RK 47K 1/10W J*
R019,020	0B25565A	RK 12K 1/10W J*
R021	0B25612A	RK 0 1/10W J*
R023	0B25573A	RK 27K 1/10W J*
R024	0B25555A	RK 4.7K 1/10W J*
R025	0B25553A	RK 3.9K 1/10W J*
R031	0B25612A	RK 0 1/10W J*
R032,033	0B25603A	RK 470K 1/10W J*
R034	0B25612A	RK 0 1/10W J*
R035,036	0B21416A	RM 91K 1/10W F*
R037	0B21393A	RM 10K 1/10W F*

Schematic Ref. No.	Part No.	Description
R038	0B21381A	RM 3.3K 1/10W F*
R039	0B25563A	RK 10K 1/10W J*
R040	0B25501A	RK 27 1/10W J*
R042	0B20675A	RK 2.2 1/10W K*
R043	0B25535A	RK 680 1/10W J*
R044	0B09621A	RK 4.7 1/6W J
R046	0B25531A	RK 470 1/10W J*
R047	0B25551A	RK 3.3K 1/10W J*
R050,051	0B25575A	RK 33K 1/10W J*
R052	0B25563A	RK 10K 1/10W J*
R053	0B25551A	RK 3.3K 1/10W J*
R054	0B25571A	RK 22K 1/10W J*
R055,056	0B25563A	RK 10K 1/10W J*
R061,062	0B09605A	RK 1 1/6W J
R063	0B09605A	RK 1 1/6W J
R066	0B25612A	RK 0 1/10W J*
R071,072	0B25612A	RK 0 1/10W J*
R073,074	0B25612A	RK 0 1/10W J*
R075,076	0B25612A	RK 0 1/10W J*
R401	0B25527A	RK 330 1/10W J*
R404	0B25587A	RK 100K 1/10W J*
R405	0B25563A	RK 10K 1/10W J*
R406	0B25595A	RK 220K 1/10W J*
R407	0B25579A	RK 47K 1/10W J*
R408,409	0B25587A	RK 100K 1/10W J*
R411	0B20068A	RK 220 1/2W J
R412	0B25563A	RK 10K 1/10W J*
R413	0B25533A	RK 560 1/10W J*
R414,415	0B25587A	RK 100K 1/10W J*
R416	0B25587A	RK 100K 1/10W J*
R417	0B20068A	RK 220 1/2W J
R418	0B25539A	RK 1K 1/10W J*
R419	0B25595A	RK 220K 1/10W J*
R420	0B25611A	RK 1M 1/10W J*
R422	0B25567A	RK 15K 1/10W J*
R506,507	0B25563A	RK 10K 1/10W J*
R508,509	0B25563A	RK 10K 1/10W J*
R510,511	0B25563A	RK 10K 1/10W J*
R512,513	0B25563A	RK 10K 1/10W J*
R516	0B25565A	RK 12K 1/10W J*
R517	0B25547A	RK 2.2K 1/10W J*
R518	0B25587A	RK 100K 1/10W J*
R519	0B25563A	RK 10K 1/10W J*
R524	0B25508A	RK 51 1/10W J*
R527	0B25555A	RK 4.7K 1/10W J*
R528	0B25611A	RK 1M 1/10W J*
R529,530	0B25555A	RK 4.7K 1/10W J*
R531	0B25611A	RK 1M 1/10W J*
R532	0B25555A	RK 4.7K 1/10W J*
R536,537	0B25579A	RK 47K 1/10W J*
R538,539	0B25579A	RK 47K 1/10W J*
R540,541	0B25579A	RK 47K 1/10W J*
R542,543	0B25579A	RK 47K 1/10W J*
R548	0B25579A	RK 47K 1/10W J*
R549	0B25563A	RK 10K 1/10W J*
R564,565	0B25531A	RK 470 1/10W J*
R570	0B25524A	RK 240 1/10W J*
R571	0B25509A	RK 56 1/10W J*
R572	0B25517A	RK 120 1/10W J*
R573	0B25513A	RK 82 1/10W J*
C001,002	0B42570A	CC 0.47 16V Z*
C003	0B42570A	CC 0.47 16V Z*
C004	0B43092A	CC 0.1 25V Z*
C005	0B42318A	CE 47 16V
C006	0B43092A	CC 0.1 25V Z*
C007	0B42321A	CE 100 10V
C008	0B42307A	CE 22 16V
C009	0B43092A	CC 0.1 25V Z*
C011	0B42321A	CE 100 10V
C012	0B42570A	CC 0.47 16V Z*
C013	0B42318A	CE 47 16V
C014	0B42307A	CE 22 16V
C015	0B43092A	CC 0.1 25V Z*
C031,032	0B43092A	CC 0.1 25V Z*
C033	0B43210A	CC 1000P 50V J*

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C034	0B43092A	CC 0.1 25V Z*	Q402	0B14167A	TR 2SC2412K*	R408,409	0B25587A	RK 100K 1/10W J*
C035	0B43210A	CC 1000P 50V J*	Q403	0B10901A	TR 2SD2153TL*	R411	0B20068A	RK 220 1/2W J
C036	0B43092A	CC 0.1 25V Z*	Q404	0B10930A	TR 2SD1758F*	R412	0B25563A	RK 10K 1/10W J*
C037	0B42307A	CE 22 16V	Q411,412	0B14167A	TR 2SC2412K*	R413	0B25533A	RK 560 1/10W J*
C038	0B42313A	CE 33 16V	Q413	0B14167A	TR 2SC2412K*	R414,415	0B25587A	RK 100K 1/10W J*
C039	0B43092A	CC 0.1 25V Z*	Q501	0B14167A	TR 2SC2412K*	R416	0B25587A	RK 100K 1/10W J*
C040	0B42318A	CE 47 16V	Q502	0B14013A	TR DTC144EK*	R417	0B20068A	RK 220 1/2W J
C041,042	0B43092A	CC 0.1 25V Z*	Q511,512	0B14018A	TR DTC143TK*	R418	0B25539A	RK 1K 1/10W J*
C043	0B43092A	CC 0.1 25V Z*	Q513,514	0B14018A	TR DTC143TK*	R419	0B25595A	RK 220K 1/10W J*
C044	0B42318A	CE 47 16V	Q515	0B14018A	TR DTC143TK*	R420	0B25611A	RK 1M 1/10W J*
C050,051	0B43092A	CC 0.1 25V Z*	ZD033	0B12168A	ZD RD10V JS B2	R422	0B25567A	RK 15K 1/10W J*
C052,053	0B43092A	CC 0.1 25V Z*	ZD401	0B12150A	ZD RD5.6V JS B2	R506,507	0B25563A	RK 10K 1/10W J*
C054,055	0B43092A	CC 0.1 25V Z*	ZD402	0B12160A	ZD RD7.5V JS B3	R508,509	0B25563A	RK 10K 1/10W J*
C056	0B43092A	CC 0.1 25V Z*	ZD403	0B12153A	ZD RD6.2V JS B2	R510,511	0B25563A	RK 10K 1/10W J*
C058,059	0B43092A	CC 0.1 25V Z*	ZD404	0B12150A	ZD RD5.6V JS B2	R512,513	0B25563A	RK 10K 1/10W J*
C060,061	0B43092A	CC 0.1 25V Z*	ZD502,503	0B12154A	ZD RD6.2V JS B3	R516	0B25565A	RK 12K 1/10W J*
C062	0B43092A	CC 0.1 25V Z*	D011	0B12249A	SID 1SS133	R517	0B25547A	RK 2.2K 1/10W J*
C140	0B43092A	CC 0.1 25V Z*	D031,032	0B12249A	SID 1SS133	R518	0B25587A	RK 100K 1/10W J*
C141	0B42318A	CE 47 16V	D404	0B10540A	SID MA152WA*	R519	0B25563A	RK 10K 1/10W J*
C162	0B43092A	CC 0.1 25V Z*	D406	0B10540A	SID MA152WA*	R524	0B25508A	RK 51 1/10W J*
C403	0B42321A	CE 100 10V	D516	0B10539A	SID MA152WK*	R527	0B25555A	RK 4.7K 1/10W J*
C404	0B43092A	CC 0.1 25V Z*	D518	0B12249A	SID 1SS133	R528	0B25611A	RK 1M 1/10W J*
C405	0B42324A	CE 220 10V	L001,002	0B50346A	Coil 80*	R529,530	0B25555A	RK 4.7K 1/10W J*
C406	0B43221A	CC 0.047 25V K*	L003	0B50346A	Coil 80*	R531	0B25611A	RK 1M 1/10W J*
C407	0B42314A	CE 33 25V	L503	0B50287A	Coil 120uH*	R532	0B25555A	RK 4.7K 1/10W J*
C409	0B42860A	CE 100 25V	X501	0B90740A	Resonator 6.00MHz	R536,537	0B25579A	RK 47K 1/10W J*
C411	0B42247A	CE 0.1F 5.5V	R001,002	0B09605A	RK 1 1/6W J	R538,539	0B25579A	RK 47K 1/10W J*
C413,414	0B43092A	CC 0.1 25V Z*	R003	0B09605A	RK 1 1/6W J	R540,541	0B25579A	RK 47K 1/10W J*
C417	0B42313A	CE 33 16V	R004	0B25563A	RK 10K 1/10W J*	R542,543	0B25579A	RK 47K 1/10W J*
C419	0B43221A	CC 0.047 25V K*	R005	0B25612A	RK 0 1/10W J*	R548	0B25579A	RK 47K 1/10W J*
C422	0B43210A	CC 1000P 50V J*	R006	0B25563A	RK 10K 1/10W J*	R549	0B25563A	RK 10K 1/10W J*
C504	0B43092A	CC 0.1 25V Z*	R007,008	0B25517A	RK 120 1/10W J*	R564,565	0B25531A	RK 470 1/10W J*
C505,506	0B43206A	CC 560P 50V J*	R011	0B25612A	RK 0 1/10W J*	R570	0B25524A	RK 240 1/10W J*
C507	0B42500A	CC 2.2 16V*	R012	0B25563A	RK 10K 1/10W J*	R571	0B25509A	RK 56 1/10W J*
C509	0B43090A	CC 47P 50V J*	R013,014	0B25579A	RK 47K 1/10W J*	R572	0B25517A	RK 120 1/10W J*
C516	0B43092A	CC 0.1 25V Z*	R015,016	0B25612A	RK 0 1/10W J*	R573	0B25513A	RK 82 1/10W J*
C521	0B43092A	CC 0.1 25V Z*	R017,018	0B25579A	RK 47K 1/10W J*	C001,002	0B42570A	CC 0.47 16V Z*
CN100	0B85425A	40P F Connector*	R019,020	0B25565A	RK 12K 1/10W J*	C003	0B42570A	CC 0.47 16V Z*
CN200	0B85424A	30P F Connector*	R021	0B25612A	RK 0 1/10W J*	C004	0B43092A	CC 0.1 25V Z*
CN300	0B85420A	11P F Connector*	R031	0B25612A	RK 0 1/10W J*	C005	0B42318A	CE 47 16V
CN500	0B81466A	2P S-Post	R032,033	0B25603A	RK 470K 1/10W J*	C006	0B43092A	CC 0.1 25V Z*
CN501	0B80941A	14P F Connector*	R034	0B25612A	RK 0 1/10W J*	C007	0B42321A	CE 100 10V
CN600	0B85426A	2P S Post	R035,036	0B21416A	RM 91K 1/10W F*	C008	0B42307A	CE 22 16V
CP103	0B84785A	22P F Connector*	R037	0B21393A	RM 10K 1/10W F*	C009	0B43092A	CC 0.1 25V Z*
CP104	0B81466A	2P S-Post	R038	0B21381A	RM 3.3K 1/10W F*	C011	0B42321A	CE 100 10V
CP502	0B85421A	13P F Connector*	R039	0B25563A	RK 10K 1/10W J*	C012	0B42833A	CC 0.47 16V K*
			R040	0B25491A	RK 10 1/10W J*	C013	0B42318A	CE 47 16V
			R042	0B20675A	RK 2.2 1/10W K*	C014	0B42307A	CE 22 16V
			R043	0B25535A	RK 680 1/10W J*	C015	0B43092A	CC 0.1 25V Z*
			R044	0B25491A	RK 10 1/10W J*	C031,032	0B43092A	CC 0.1 25V Z*
			R046	0B25531A	RK 470 1/10W J*	C033	0B43210A	CC 1000P 50V J*
			R047	0B25551A	RK 3.3K 1/10W J*	C034	0B43092A	CC 0.1 25V Z*
			R048,049	0B25575A	RK 33K 1/10W J*	C035	0B43210A	CC 1000P 50V J*
			R050,051	0B25575A	RK 33K 1/10W J*	C036	0B43092A	CC 0.1 25V Z*
			R052	0B25563A	RK 10K 1/10W J*	C037,038	0B42318A	CE 47 16V
			R053	0B25551A	RK 3.3K 1/10W J*	C039	0B43092A	CC 0.1 25V Z*
			R055,056	0B21650A	RK 1.8M 1/10W J*	C040	0B42318A	CE 47 16V
			R057,058	0B25539A	RK 1K 1/10W J*	C041,042	0B43092A	CC 0.1 25V Z*
			R059	0B25491A	RK 10 1/10W J*	C043	0B43092A	CC 0.1 25V Z*
			R060	0B25499A	RK 22 1/10W J*	C044	0B42318A	CE 47 16V
			R066	0B25612A	RK 0 1/10W J*	C050,051	0B43092A	CC 0.1 25V Z*
			R067	0B25555A	RK 4.7K 1/10W J*	C052,053	0B43092A	CC 0.1 25V Z*
			R071,072	0B25612A	RK 0 1/10W J*	C054,055	0B43092A	CC 0.1 25V Z*
			R073,074	0B25612A	RK 0 1/10W J*	C056	0B43092A	CC 0.1 25V Z*
			R075,076	0B25612A	RK 0 1/10W J*	C058,059	0B43092A	CC 0.1 25V Z*
			R081	0B25612A	RK 0 1/10W J*	C060,061	0B43092A	CC 0.1 25V Z*
			R090	0B21379A	RM 2.7K 1/10W D*	C062	0B43092A	CC 0.1 25V Z*
			R091	0B21377A	RM 2.2K 1/10W D*	C081	0B42570A	CC 0.47 16V Z*
			R092	0B25524A	RK 240 1/10W J*	C091	0B43062A	CC 100P 50V J*
			R093	0B25539A	RK 1K 1/10W J*	C092	0B42318A	CE 47 16V
			R401	0B25527A	RK 330 1/10W J*	C140	0B43092A	CC 0.1 25V Z*
			R404	0B25587A	RK 100K 1/10W J*	C141	0B42318A	CE 47 16V
			R405	0B25563A	RK 10K 1/10W J*	C162	0B43092A	CC 0.1 25V Z*
			R406	0B25595A	RK 220K 1/10W J*	C403	0B42321A	CE 100 10V
			R407	0B25579A	RK 47K 1/10W J*	C404	0B43092A	CC 0.1 25V Z*

5.2.2. Mechanism P.C.B. Ass'y (C3M1) [New]

Schematic Ref. No.	Part No.	Description
	BA10323A	Mechanism P.C.B. Ass'y (C3M1) [New]
		[SS-10/11/21]
ICP01	0B12918A	IC ICP 0.5A*
U001	0B12868A	IC BA6859AFP*
U002	0B12867A	IC BA5938FM*
U003	0B11001A	IC NJM4558M
U004	0B06404A	IC NJM2904M
U105,106	0B10719A	IC TA8409F*
U107,108	0B10719A	IC TA8409F*
U401	0B10566A	IC PQ09RF1
U501	0B12869A	IC HD6433396*
U502	0B11928A	IC TC4049BF
Q001	0B14013A	TR DTC144EK*
Q031,032	0B12901A	TR 2SB1132R*
Q033,034	0B14227A	TR 2SA1576 S*
Q035	0B14188A	TR 2SC4081 R*
Q036	0B10882A	TR DTC114TKA*
Q037	0B14188A	TR 2SC4081 R*
Q038	0B14002A	TR DTA114EK*
Q090	0B14167A	TR 2SC2412K*
Q401	0B10792A	TR 2SB1182QR*

Schematic Ref. No.	Part No.	Description
C405	0B42324A	CE 220 10V
C406	0B43221A	CC 0.047 25V K*
C407	0B42314A	CE 33 25V
C409	0B42860A	CE 100 25V
C411	0B42247A	CE 0.1F 5.5V
C413,414	0B43092A	CC 0.1 25V Z*
C417	0B42313A	CE 33 16V
C419	0B43221A	CC 0.047 25V K*
C422	0B43210A	CC 1000P 50V J*
C504	0B43092A	CC 0.1 25V Z*
C505,506	0B43206A	CC 560P 50V J*
C507	0B42500A	CC 2.2 16V*
C509	0B43090A	CC 47P 50V J*
C516	0B43092A	CC 0.1 25V Z*
C521	0B43092A	CC 0.1 25V Z*
CN100	0B85425A	40P F Connector*
CN200	0B85424A	30P F Connector*
CN300	0B85420A	11P F Connector*
CN500	0B81466A	2P S-Post
CN501	0B80941A	14P F Connector*
CN600	0B85426A	2P S Post
CP103	0B84785A	22P F Connector*
CP104	0B81466A	2P S-Post
CP502	0B85421A	13P F Connector*
J404,405	0B25612A	RK 0 1/10W J*

5.3. LCD P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10169A	LCD P.C.B Ass'y [SS-10/11/21]
U701	0B12866A	IC LC75874E*
D701,702	0B12865A	LED White
D703,704	0B12865A	LED White
D705,706	0B12865A	LED White
D707	0B10825A	LED Amber GL3HS43
LCD701	0B90906A	LCD 110x110
R701	0B25529A	RK 390 1/10W J*
R702	0B25531A	RK 470 1/10W J*
R703	0B25537A	RK 820 1/10W J*
R704	0B25541A	RK 1.2K 1/10W J*
R705	0B25549A	RK 2.7K 1/10W J*
R706	0B25561A	RK 8.2K 1/10W J*
R707	0B25529A	RK 390 1/10W J*
R708	0B25531A	RK 470 1/10W J*
R709	0B25537A	RK 820 1/10W J*
R710	0B25541A	RK 1.2K 1/10W J*
R711	0B25549A	RK 2.7K 1/10W J*
R712	0B25561A	RK 8.2K 1/10W J*
R713,714	0B09659A	RK 180 1/6W J
R715	0B09659A	RK 180 1/6W J
R719	0B25523A	RK 220 1/10W J*
R720	0B25578A	RK 43K 1/10W J*
R721,722	0B25555A	RK 4.7K 1/10W J*
R723	0B25555A	RK 4.7K 1/10W J*
R724,725	0B25579A	RK 47K 1/10W J*
R726,727	0B25579A	RK 47K 1/10W J*
C701	0B42318A	CE 47 16V 47 16V
C702	0B43092A	CC 0.1 25V Z*
C703	0B43207A	CC 680P 50V J*
C704,705	0B43092A	CC 0.1 25V Z*
CN701	0B85428A	11P Wire Ass'y LCD
SW701,702	0B70282A	Tact Switch
SW703,704	0B70282A	Tact Switch
SW705,706	0B70282A	Tact Switch
SW707,708	0B70282A	Tact Switch
SW709,710	0B70282A	Tact Switch
SW711,712	0B70282A	Tact Switch
	0H08381C	LCD Reflector (1)
	0H08382B	LCD Lens (1)
	0H08383B	LCD Holder (1)
	0J08439B	Reflector Label A (1)

Schematic Ref. No.	Part No.	Description
	0J08440A	Reflector Label B (1)
	0J08453A	LED Reflector (1)

5.4. SW P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10170A	SW P.C.B Ass'y [SS-10/11/21]
D906	0B12900A	LED Blue
D911,912	0B10825A	LED Amber GL3HS43
D913,914	0B10825A	LED Amber GL3HS43
D915	0B10825A	LED Amber GL3HS43
R901,902	0B25525A	RK 270 1/10W J*
R903,904	0B25525A	RK 270 1/10W J*
R905	0B25525A	RK 270 1/10W J*
R906	0B25507A	RK 47 1/10W J*
R907,908	0B09666A	RK 360 1/6W J*
C901	0B42318A	CE 47 16V
CP901	0B85418A	8P F Connector
CP902	0B85419A	13P F Connector
CP904	0B81466A	2P S-Post
S901,902	0B70251A	Tact Switch
S903,904	0B70251A	Tact Switch
S905	0B70251A	Tact Switch
S906	0B70282A	Tact Switch
	0J07771C	LED Holder (5)
	0J08443A	LED Spacer (1)

5.5. LED P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10171A	LED P.C.B Ass'y [SS-10/11/21]
D907	0B12865A	LED White
CN904	0B85429A	2P Wire Ass'y LED

5.6. REM P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10172A	REM P.C.B. Ass'y [SS-10/11/21]
U903	0B12804A	IR Sensor
CN903	0B85439A	3P Wire REM

5.7. Photo P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10175A	Photo P.C.B. Ass'y [SS-10/11/21]
	0B10737A	IC Photointerrupter (1)
	0B85440B	Wire EX Photo1 B (1)
	0B85441B	Wire EX Photo2 B (1)
	0B85442B	Wire EX Photo3 B (1)

5.8. OPT P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10173A	OPT P.C.B. Ass'y [SS-10/11/21]
U306	0B12811A	Toslink TOTX178A
C340	0B43092A	CC 0.1 25V Z*
CP107	0B81467A	3P S-Post

5.9. Sen P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10174A	Sen P.C.B. Ass'y [SS-10/11/21]
PC501,502	0B10737A	IC Photointerrupter
R503,504	0B25523A	RK 220 1/10W J*
CN501	0B85431A	4P Wire Ass'y OP/CL
	0J08373A	Sensor Adaptor 4 (1)

5.10. Mecha Flexible P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09736A	Mecha Flexible P.C.B. Ass'y [SS-10/11/21]
R701,702	0B21219A	RK 220 1/10W J*
R703,704	0B21219A	RK 220 1/10W J*
R705,706	0B21219A	RK 220 1/10W J*
R707,708	0B21219A	RK 220 1/10W J*
R709	0B21219A	RK 220 1/10W J*
PC701,702	0B10737A	IC Photointerrupter
PC703,704	0B10737A	IC Photointerrupter
PC705,706	0B10737A	IC Photointerrupter
PC707,708	0B10737A	IC Photointerrupter
PC709	0B10737A	IC Photointerrupter

Note: Mounting diagram of the Mecha Flexible P.C.B. Ass'y is omitted.

6. IC BLOCK DIAGRAMS

U101 μ PD78F4225GC-8 (System Controller)

Pin No.	Signal Name	I/O	Function	Active	Standby
1	INT/EXT	I	Video signal presence/absence detect signal.	—	—
2	MASTER	I	Remote controller's Main/Remote detect signal.	—	—
3	P17/AN17	—	Grounded.		
4	AVSS	—	GND		
5	INH	O	LCD display OFF signal.	L	L
6	CE	O	LCD driver IC enable signal.	H	L
7	AVREF1	—	+5V		
8	DI	I	Serial data input.	—	—
9	DO	O	Serial data output.	L/H	L
10	CLK	O	Serial clock output.	L/H	L
11	DVDI	I	Serial data input for DVD.	—	—
12	DVDO	O	Serial data output for DVD.	L/H	L
13	DVCLK	O	Serial clock output for DVD.	L/H	L
14	READY/BSY	I	READY/BUSY input for DVD.	—	L
15	ACCCONT	O	MB mechanism operation/standby control output.	H	L
16	SI	I	Serial data input for MB mechanism. (Serial data input for flash ROM writing.)	—	—
17	SO	O	Serial data output for CD mechanism. (Serial data output for flash ROM writing.)	L/H	L
18	SCK	I	Serial clock input for MB mechanism. (Serial clock input for flash ROM writing.)	—	L
19	CLKOUT	O	Serial clock output for MB mechanism.	L/H	L
20	DATOUT	O	Serial data output for MB mechanism.	L/H	L
21	A	O	Strobe address A for A/V Tuner/Processor unit.	L/H	L
22	B	O	Strobe address B for A/V Tuner/Processor unit.	L/H	L
23	C	O	Strobe address C for A/V Tuner/Processor unit.	L/H	L
24	LT1	O	Strobe permit output 1 for A/V Tuner/Processor unit.	L	L
25	LT2	O	Strobe permit output 2 for A/V Tuner/Processor unit.	L	L
26	B.L-ON	—	Not used.		
27	DZFL	I	DVD audio zero signal.	—	—
28	DZFR	I	DVD audio zero signal.	—	—
29	P52/A10	—	Not used.		
30	P53/A11	—	Not used.		
31	P54/A12	—	Not used.		
32	K.OP/CL	I	Door Open/Close signal.	—	—
33	VSS1	—	GND		
34	OPEN	I	Door open sensor signal.	—	—
35	CLOSE	I	Door close sensor signal.	—	—
36	MOT1	—	Not used.		
37	MOT2	—	Not used.		
38	P62/A18	—	Not used.		
39	P63/A19	—	Not used.		
40	AL5V	I	A/V Tuner/Processor unit connection detect signal.	—	—
41	P65/WR	O	DVD backlighting ON signal.	H	L
42	L.LIGHT	O	LCD backlighting ON signal.	H	L
43	L.STBY	O	Standby LED ON signal.	H	L

Pin No.	Signal Name	I/O	Function	Active	Standby
44	P30/TO0	O	Transmission data select signal.	L/H	L
45	DSPSEL	O	Motor quasi-control output for DVD MPU.	H	L
46	P32/TO2	O	Motor quasi-control output for DVD MPU.	H	L
47	P33/TI1	—	Not used.		
48	P34/TI2	—	Not used.	H	L
49	REM	I	Remote controller signal.	—	—
50	MUTE	O	DVD audio mute signal.	H	L
51	P.ON	O	Power ON signal.	—	—
52	OPEN	O	Open SW output to DVD.	L	L
53	CLOSE	O	Close SW output to DVD.	L	L
54	DVRST	O	DVD reset signal.	H	L
55	CTL5V	O	5V control output for DVD.	H	L
56	V.MUTE	O	DVD video mute signal.	H	L
57	LM1	I	DVD tray motor control terminal signal.	—	—
58	LM2	I	DVD tray motor control terminal signal.	—	—
59	L.BLUE	O	Blue LED ON signal.	H	L
60	RESET	—	Reset signal.		
61	P00/INTP0	—	Not used.		
62	P-OFF	I	Power OFF detect signal.	—	—
63	P02/INT2	—	Not used.		
64	P03/INT3	—	Not used.		
65	P04/INT4	—	Not used.		
66	P05/INT5	—	Not used.		
67	Vss0	—	GND		
68	Vdd1	—	+5V		
69	X2	—	Crystal connecting terminal.		
70	X1	—	Crystal connecting terminal.		
71	VPP	—	—		
72	XT2	—	—		
73	XT1	—	—		
74	VDD0	—	+5V		
75	AVDD	—	+5V		
76	KIN1	I	Key input 1 signal.	—	—
77	KIN2	I	Key input 2 signal.	—	—
78	NT/PAL	I	NTSC/PAL detect signal.	—	—
79	AREA	I	Destination setting signal.	—	—
80	MODEL	I	Model setting signal.	—	—

U501 HD6433396F12 (Mechanism Controller)

Pin No.	Signal Name	I/O	Function	Active
1	RES	I	Reset signal.	—
2	XTAL	—	CPU clock (6MHz).	—
3	EXTAL	—	CPU clock (6MHz).	—
4	MD1	I	CPU mode select input.	—
5	MD0	I	CPU mode select input.	—
6	NMI	I	Grounded.	—
7	STBY	I	Grounded.	—
8	VCC	—	+5V	—
9	CLK-IN	I	S-BUS clock input (SCI).	—
10	DAT-IN	I	S-BUS data input (SCI).	—
11	SYS-ON	O	System on signal.	H
12	VSS	—	GND	—
13	NC	—	—	—
14	NC	—	—	—
15	NC	—	—	—
16	NC	—	—	—
17	NC	—	—	—
18	BSENS	I	Battery voltage sensing input.	—
19	ACC-CNT	I	ACC control signal.	—
20	SQCK	O	Not used.	—
21	KEY1	I	key 1 input signal.	—
22	KEY2	I	key 2 input signal.	—
23	SCOR	I	Grounded.	—
24	LD-PLS	I	Loading pulse.	—
25	UD-PLS	I	Up/Down pulse.	—
26	KEY3	I	key 3 input signal.	—
27	KEY4	I	key 4 input signal.	—
28	KEY5	I	key 5 input signal.	—
29	AVCC	—	+5V	—
30	SENSE	I	Grounded.	—
31	SQSO	I	Grounded.	—
32	FOK	I	Grounded.	—
33	GFS	I	Grounded.	—
34	UD-HOME	I	Up/down reference position signal.	—
35	DOOR	I	Door open signal.	—
36	SHUTTER	I	Shutter signal.	—
37	LD-INOUT	I	Loading in signal.	—
38	AVSS	—	GND	—
39	DLOCK	I	Disc lock signal.	—
40	DCNT	I	Disc count signal.	—
41	DCNT-HOME	I	Disc count home position	—
42	UD-UP	O	Up/down-motor down drive output.	H
43	UD-DOWN	O	Up/down-motor up drive output.	H
44	DSPSEL	I	DSP select signal.	—
45	FRONT	O	Loading-motor rear drive output.	H
46	REAR	O	Loading-motor front drive output.	H

Pin No.	Signal Name	I/O	Function	Active
47	VCC	—	+5V	—
48	NC	—	—	—
49	NC	—	—	—
50	NC	—	—	—
51	NC	—	—	—
52	NC	—	—	—
53	NC	—	—	—
54	NC	—	—	—
55	NC	—	—	—
56	VSS	—	GND	—
57	NC	—	—	—
58	NC	—	—	—
59	NC	—	—	—
60	DATA	O	Not used.	—
61	TR-ON	O	Not used.	—
62	LDON	O	Not used.	—
63	CDRST	O	Not used.	—
64	ENCLK	O	Not used.	H
65	LED1	O	Disc 1 LED drive output.	H
66	LED2	O	Disc 2 LED drive output.	H
67	LED3	O	Disc 3 LED drive output.	H
68	LED4	O	Disc 4 LED drive output.	H
69	LED5	O	Disc 5 LED drive output.	H
70	NC	—	—	—
71	NC	—	—	—
72	NC	—	—	—
73	VSS	—	GND	—
74	ST-DOWN	O	Stocker-motor down drive output.	H
75	ST-UP	O	Stocker-motor up drive output.	H
76	CLK	O	Not used.	—
77	MUTE	O	Not used.	—
78	DAT-OUT	O	S-BUS data out signal.	—
79	XLAT	O	Not used.	—
80	CLK-OUT	O	S-BUS clock out signal.	—

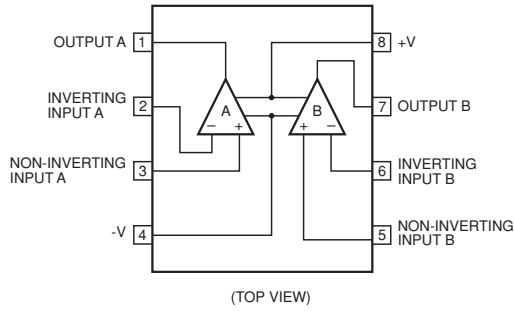


Fig. 6.1 Operational Amp. NJM2100M, 4558M, 2904M

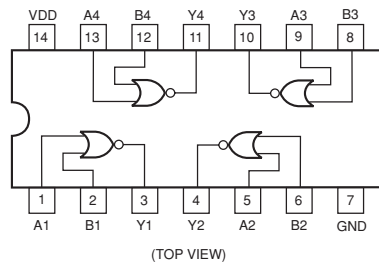


Fig. 6.2 NOR Gate TC4001BF (U104)

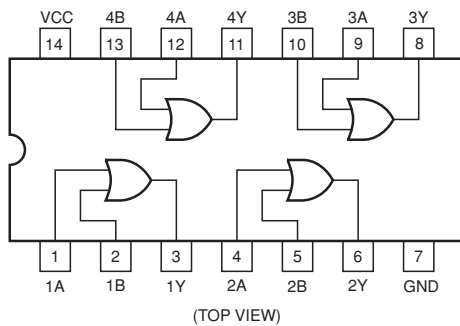


Fig. 6.3 OR Gate SN74LV32NS (U105)

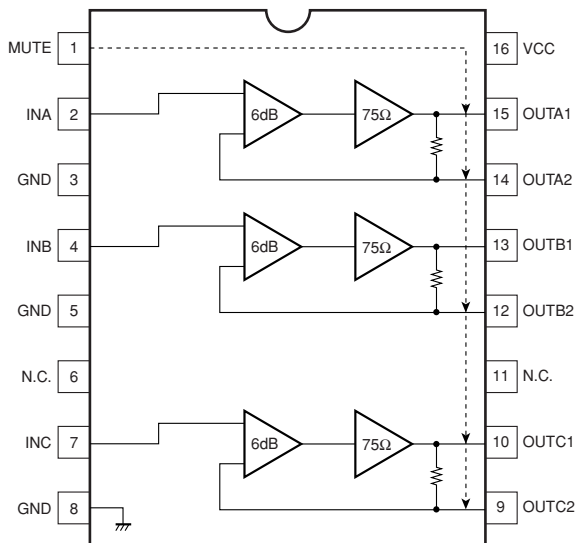


Fig. 6.4 75Ω Driver BA7660FS (U307, 308)

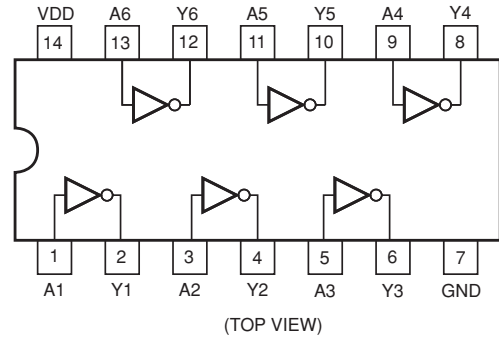


Fig. 6.5 Inverter TC74HCU04AF/TC4049BF (U305/U502)

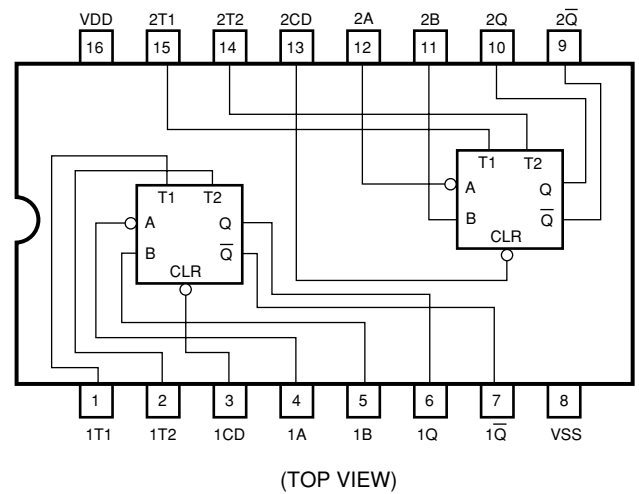


Fig. 6.6 One shot Multi-vibrator TC4538BF (U103)

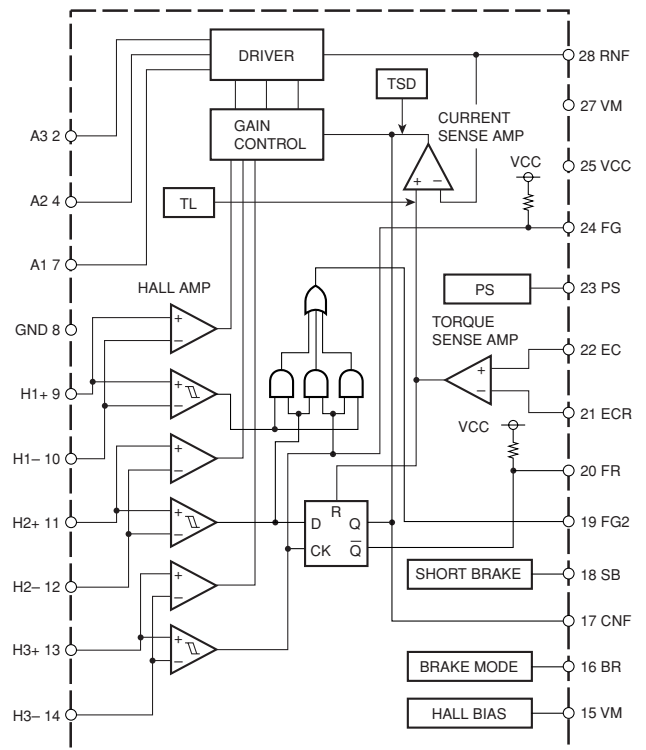


Fig. 6.7 3-Phase Motor Driver BA6859AFP (U001)

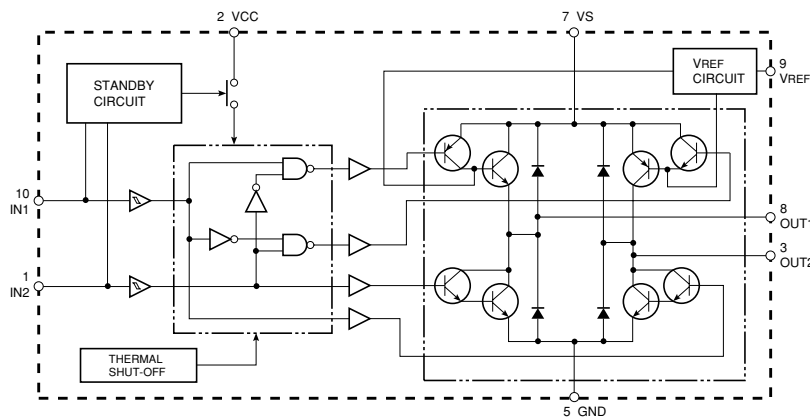


Fig. 6.8 Motor Driver TA8409F (U105-108)

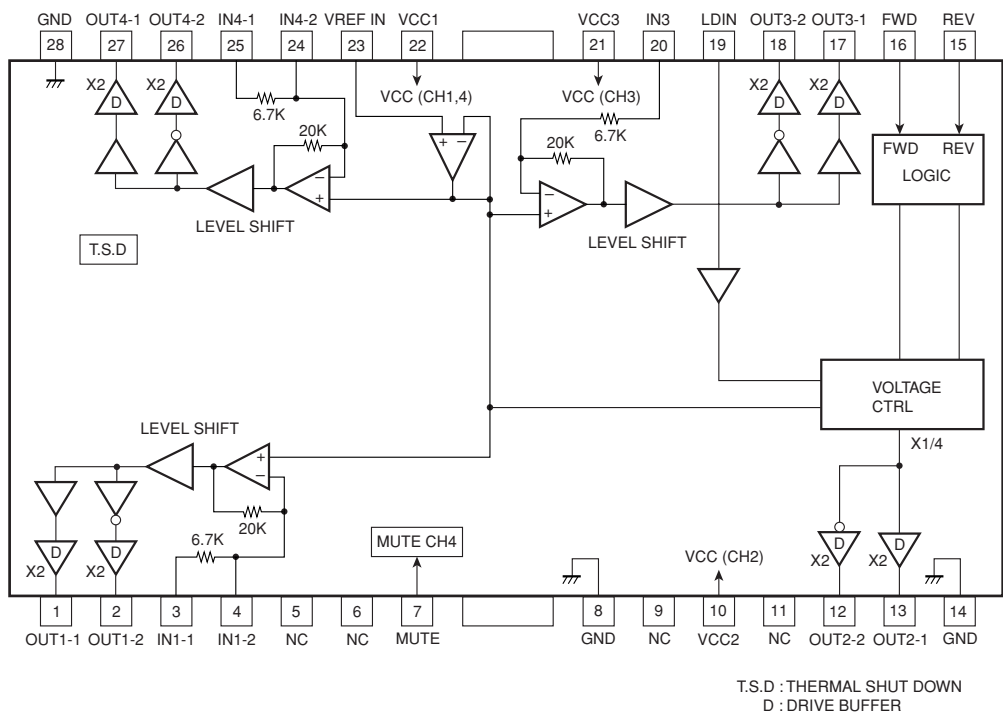


Fig. 6.9 Power Driver BA5938FM (U002)

7. BLOCK DIAGRAMS

7.1. Main P.C.B. Ass'y Section

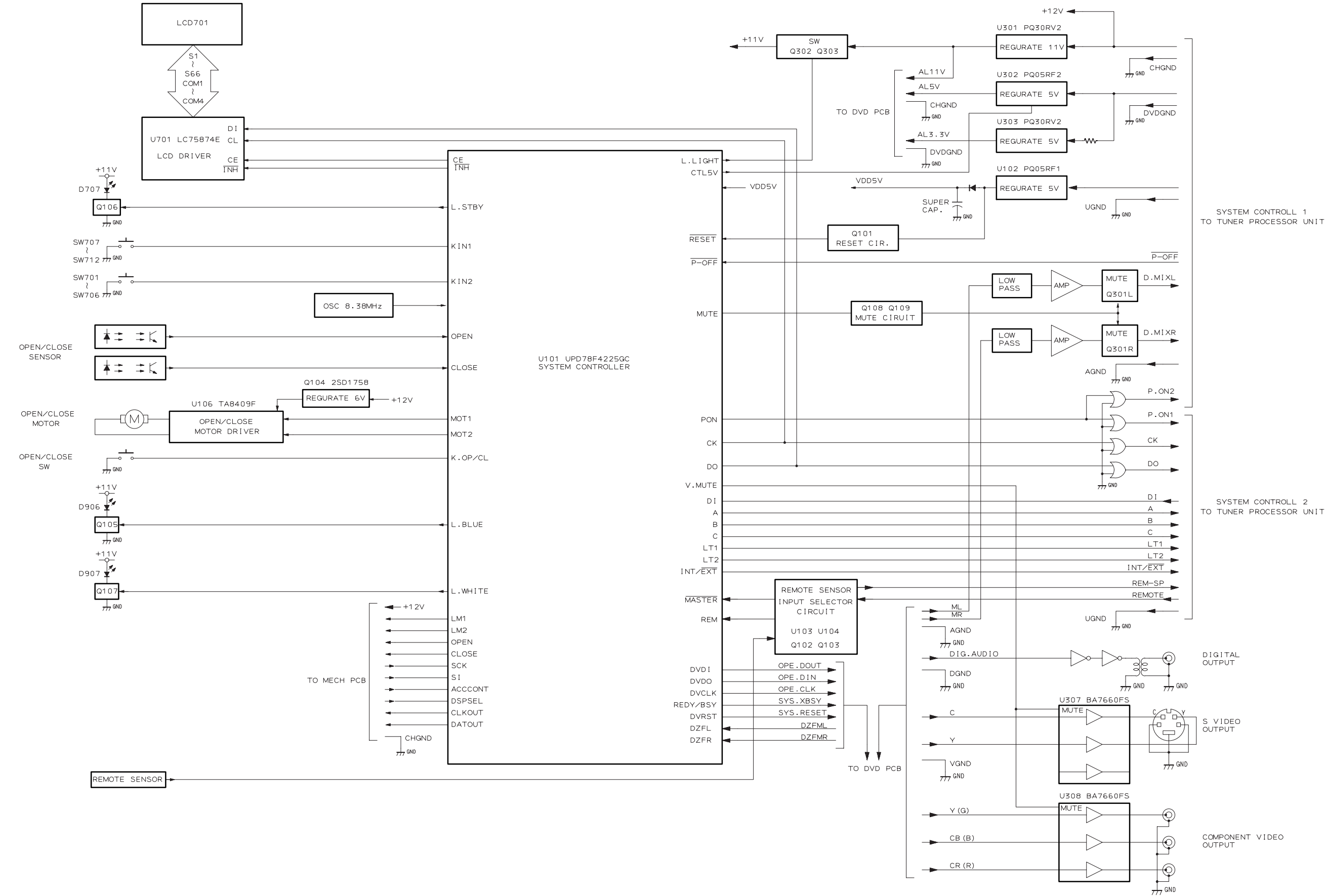


Fig. 7.1

7.2. Mechanism P.C.B. Ass'y Section

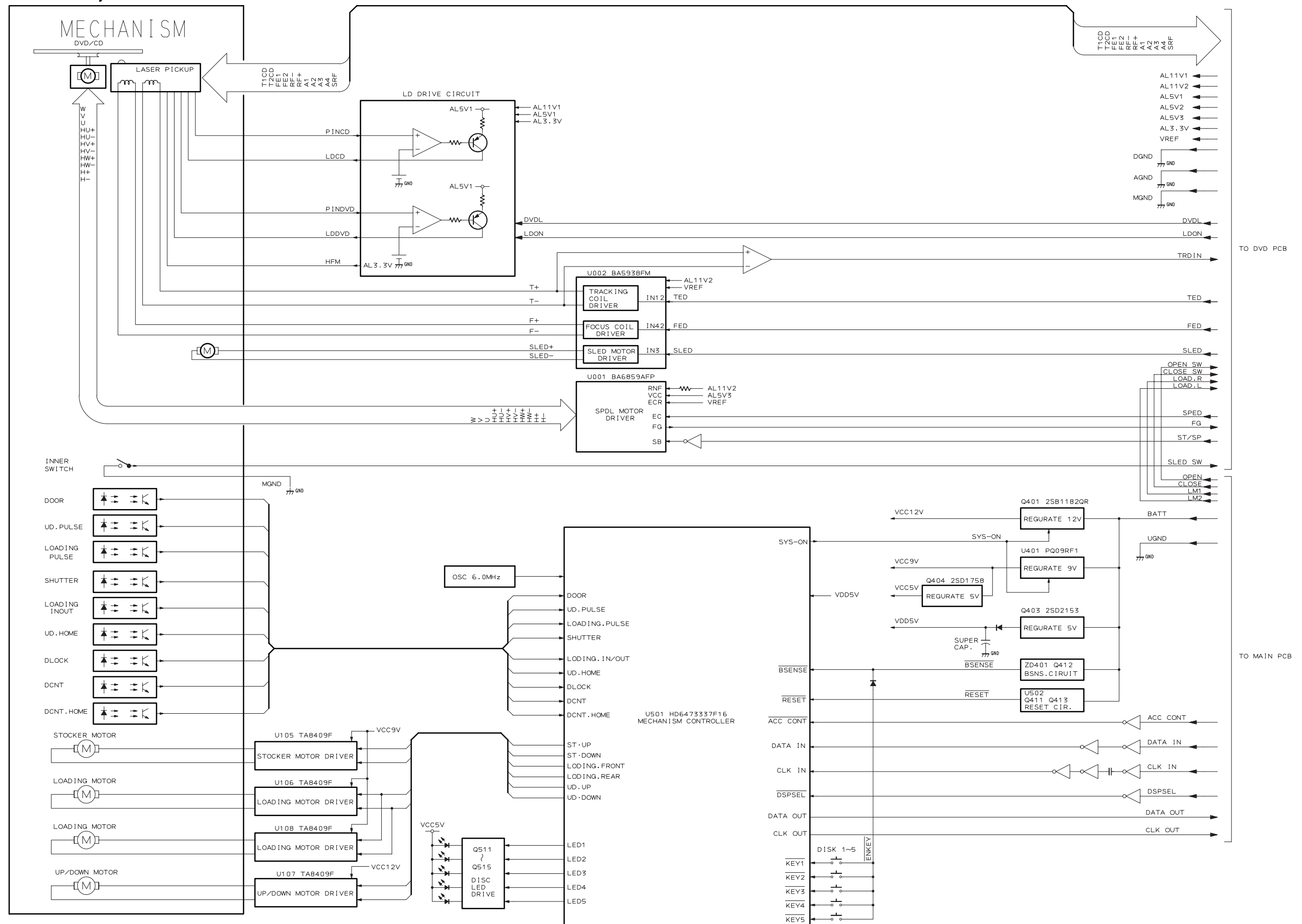
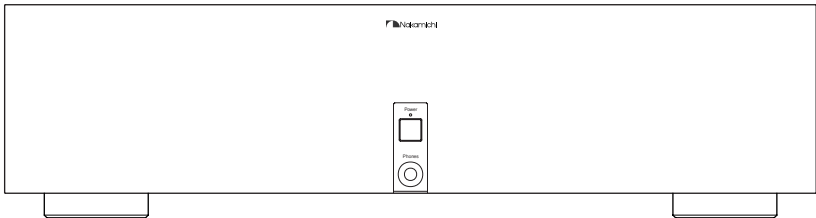


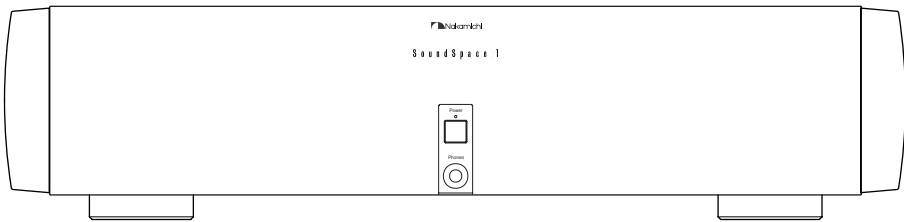
Fig. 7.2

**A/V
Tuner/Processor**

A/V Tuner/Processor Unit Section [SS-10/11/21]



[SS-10/11]



[SS-21]

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1. MECHANISM ASS'Y AND PARTS LIST

1.1. Synthesis (A/V Tuner/Processor Unit)

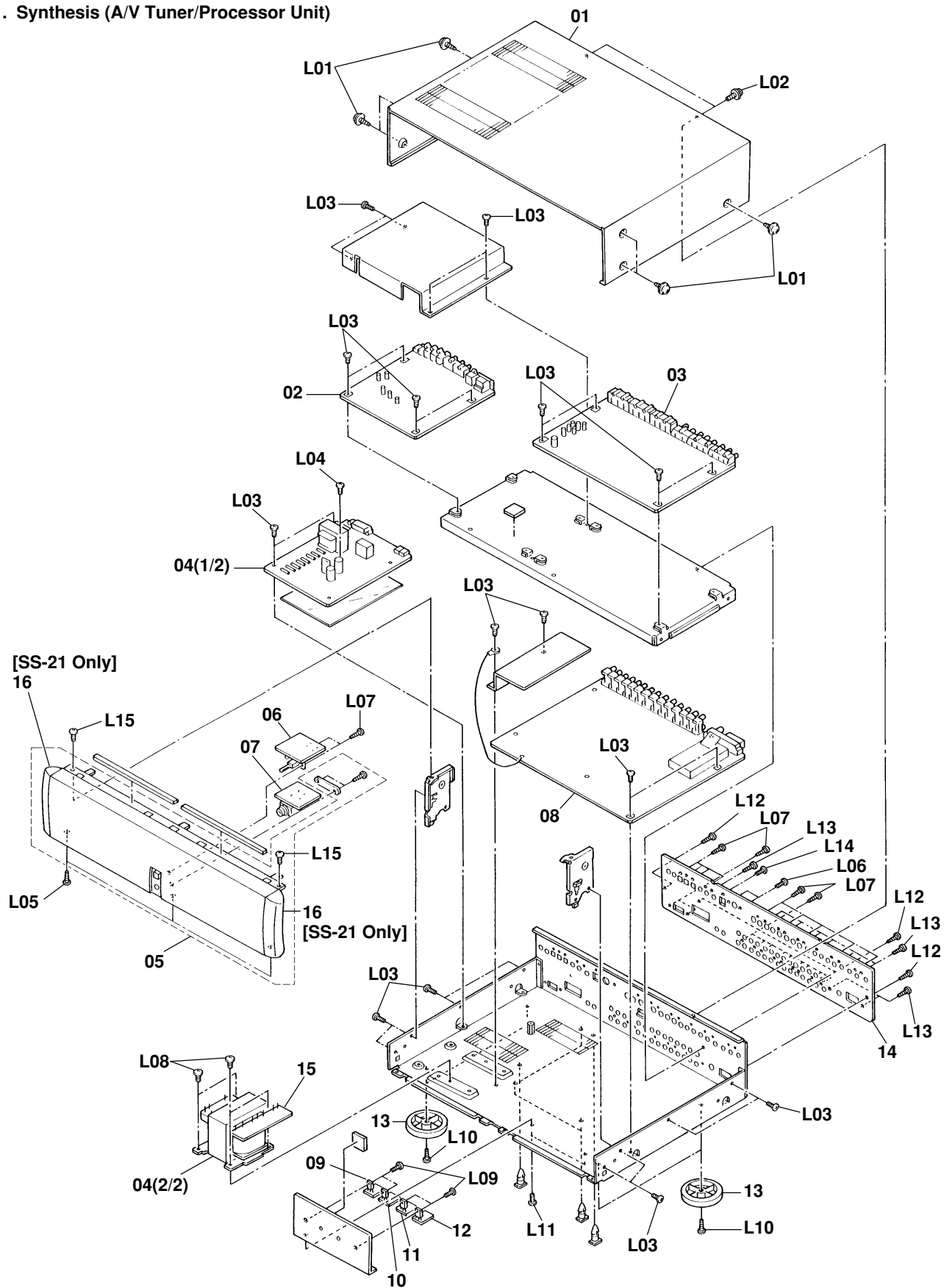
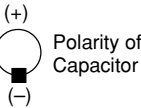


Fig. 1.1



2. MOUNTING DIAGRAMS AND PARTS LIST

- 2.1. Digital P.C.B. Ass'y
Refer to the mounting diagram on pages 1-28 and 29.
- 2.2. P. Supply P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.3. PSW-LED P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.4. Headphone P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.5. HS1 P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.6. HS2 P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.7. HS3 P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.8. HS4 P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.9. Trans-S P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.
- 2.10. AC LF P.C.B. Ass'y
Refer to the mounting diagram on pages 1-34 and 35.

1.1. Synthesis (A/V Tuner/Processor Unit)
1.1.1. Synthesis (A/V Tuner/Processor Unit) [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
Synthesis (A/V Tuner/Processor Unit) [SS-10/11]			
01	0H08392A	Top Cover HB	1
02	BA10135A	Digital P.C.B. Ass'y	1
03	BA10137A	Video P.C.B. Ass'y NTSC (JPN, TW, USA, CAN, KR)	1
	BA10147A	Video P.C.B. Ass'y PAL (OTR, DA, UK, CH, HK, EP, AUS, ML)	1
04	BA10136A	P. Supply P.C.B. Ass'y (USA, CAN)	1
	BA10144A	P. Supply P.C.B. Ass'y (JPN)	1
	BA10145A	P. Supply P.C.B. Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10146A	P. Supply P.C.B. Ass'y (OTR, DA, TW)	1
05	HA08120A	F Panel Ass'y HB [SS-10]	1
	HA08288A	F Panel Ass'y HB [SS-10]	1
06	BA10138A	PSW-LED P.C.B. Ass'y (Except JPN)	1
	BA10220A	PSW-LED P.C.B. Ass'y (JPN)	1
07	BA10139A	Headphone P.C.B. Ass'y	1
08	BA10134A	Analog P.C.B. Ass'y (OTR, DA, TW, USA, CAN, CH, HK, KR, ML)	1
	BA10142A	Analog P.C.B. Ass'y (JPN)	1
	BA10143A	Analog P.C.B. Ass'y (UK, EP, AUS)	1
09	BA10229A	HS4 P.C.B. Ass'y	1
10	BA10228A	HS3 P.C.B. Ass'y	1
11	BA10194A	HS1 P.C.B. Ass'y	1
12	BA10195A	HS2 P.C.B. Ass'y	1
13	0H08470A	55 Foot A	4
14	0H08391E	Rear Sheet HB (USA, CAN) [SS-10]	1
	0H08393F	Rear Sheet HB (UK, CH, HK, KR, EP, AUS, ML) [SS-10]	1
	0H08414E	Rear Sheet HB (OTR, DA, TW) [SS-10]	1
	0H08501B	Rear Sheet HB (JPN) [SS-10]	1
	0H08562A	Rear Sheet HB (USA, CAN) [SS-10]	1
	0H08559A	Rear Sheet HB (UK, CH, HK, KR, EP, AUS, ML) [SS-10]	1
	0H08561A	Rear Sheet HB (OTR, DA, TW) [SS-10]	1
	0H08560A	Rear Sheet HB (JPN) [SS-10]	1
15	BA10177A	Trans-S P.C.B. Ass'y	1
—	BA10271A	AC LF P.C.B. Ass'y (UK, AUS, EP, CH, HK, KR, ML)	1
L01	0E04146A	BT4x8 + Pan	
L02	0E04147A	BT3x8 + Binding	
L03	0E00877A	ST3x5 + Binding	
L04	0E00992A	M3x4 + Binding	
L05	0E03028A	BT3x8 + Binding (Nickel)	
L06	0E04187B	M3x6 + Flat (Black)	
L07	0E03749A	PT3x8 + Binding (Black)	
L08	0E03438A	ST4x6 + Binding	
L09	0E00766A	M3x8 + Binding	
L10	0E00857A	BT3x6 + Binding	
L11	0E00896A	M3x6 + Binding	
L12	0E03283A	ST3x6 + Binding (Black)	
L13	0E00921A	BT3x8 + Binding (Black)	
L14	0E04188B	M2.6x6 + Flat (Black)	
L15	0E00868A	BT3x8 + Binding	
—	0E03656A	PT2.6x8 + Binding (Black) (for Voltage Selector) (OTR, DA)	

1.1.2. Synthesis (A/V Tuner/Processor Unit) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
Synthesis (A/V Tuner/Processor Unit) [SS-21]			
01	0H08392A	Top Cover HB	1
02	BA10135A	Digital P.C.B. Ass'y	1
03	BA10137A	Video P.C.B. Ass'y NTSC (USA, CAN, JPN, KR, TW)	1
	BA10147A	Video P.C.B. Ass'y PAL (UK, OTR, AUS, EP, CH, DA, HK, ML)	1
04	BA10136A	P. Supply P.C.B. Ass'y (USA, CAN)	1
	BA10144A	P. Supply P.C.B. Ass'y (JPN)	1
	BA10145A	P. Supply P.C.B. Ass'y (UK, AUS, EP, CH, HK, KR, ML)	1
	BA10146A	P. Supply P.C.B. Ass'y (OTR, DA, TW)	1
05	HA08244A	F Panel Ass'y HB	1
06	BA10138A	PSW-LED P.C.B. Ass'y (Except JPN)	1
	BA10220A	PSW-LED P.C.B. Ass'y (JPN)	1
07	BA10139A	Headphone P.C.B. Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
	BA10270A	Headphone P.C.B. Ass'y (UK, AUS, EP, CH, HK, KR, ML)	1
08	BA10134A	Analog P.C.B. Ass'y (USA, CAN, OTR, CH, DA, HK, KR, ML, TW)	1
	BA10142A	Analog P.C.B. Ass'y (JPN)	1
	BA10143A	Analog P.C.B. Ass'y (UK, SA, EP)	1
09	BA10229A	HS4 P.C.B. Ass'y	1
10	BA10228A	HS3 P.C.B. Ass'y	1
11	BA10194A	HS1 P.C.B. Ass'y	1
12	BA10195A	HS2 P.C.B. Ass'y	1
13	0H08470A	55 Foot A	4
14	0H08530A	Rear Sheet HB (USA, CAN)	1
	0H08531A	Rear Sheet HB (JPN)	1
	0H08532A	Rear Sheet HB (OTR, DA, TW)	1
	0H08533A	Rear Sheet HB (UK, SA, EP, CH, HK, ML)	1
	0H08815A	Rear Sheet HB (KR)	1
15	BA10177A	Trans-S P.C.B. Ass'y	1
16	0H08539B	Dress Wood HB (Included in 05)	2
—	BA10271A	AC LF P.C.B. Ass'y (UK, AUS, EP, CH, HK, KR, ML)	1
—	0J08449A	W.F.20x80	4
—	0J08492A	Wood Spacer HB	2
L01	0E04146A	BT4x8 + Pan	
L02	0E04147A	BT3x8 + Binding	
L03	0E00877A	ST3x5 + Binding	
L04	0E00992A	M3x4 + Binding	
L05	0E03028A	BT3x8 + Binding (Nickel)	
L06	0E04187B	M3x6 + Flat (Black)	
L07	0E03749A	PT3x8 + Binding (Black)	
L08	0E03438A	ST4x6 + Binding	
L09	0E00766A	M3x8 + Binding	
L10	0E00857A	BT3x6 + Binding	
L11	0E00896A	M3x6 + Binding	
L12	0E03283A	ST3x6 + Binding (Black)	
L13	0E00921A	BT3x8 + Binding (Black)	
L14	0E04188B	M2.6x6 + Flat (Black)	
L15	0E00868A	BT3x8 + Binding	
—	0E03656A	PT2.6x8 + Binding (Black) (OTR, DA) (for Voltage Selector) (OTR, DA)	

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode

RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,

RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,

CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,

CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10µ 16V

3. Parts marked with * show chip parts.

2.1. Digital P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA10135A	Digital P.C.B Ass'y [SS-10/11/21]	R832	0B09925A	RK 2.2 1/4W J	R921	0B25531A	RK 470 1/10W J*
			R833	0B25563A	RK 10K 1/10W J*	R922,923	0B25491A	RK 10 1/10W J*
			R834,835	0B25555A	RK 4.7K 1/10W J*	R924	0B25563A	RK 10K 1/10W J*
			R836,837	0B25563A	RK 10K 1/10W J*	R925	0B25539A	RK 1K 1/10W J*
			R838,839	0B25519A	RK 150 1/10W J*	R926	0B25544A	RK 1.6K 1/10W J*
			R840,841	0B25587A	RK 100K 1/10W J*	R927,928	0B25603A	RK 470K 1/10W J*
			R842	0B25609A	RK 820K 1/10W J*	R929,930	0B25603A	RK 470K 1/10W J*
			R844,845	0B25563A	RK 10K 1/10W J*	R931,932	0B25603A	RK 470K 1/10W J*
			R846,847	0B25515A	RK 100 1/10W J*	R933	0B25603A	RK 470K 1/10W J*
			R848	0B25563A	RK 10K 1/10W J*	R934,935	0B25539A	RK 1K 1/10W J*
			R849	0B25611A	RK 1M 1/10W J*	R936,937	0B25515A	RK 100 1/10W J*
			R850,851	0B25515A	RK 100 1/10W J*	R938	0B25515A	RK 100 1/10W J*
			R852,853	0B25515A	RK 100 1/10W J*	R939,940	0B25539A	RK 1K 1/10W J*
			R854,855	0B25515A	RK 100 1/10W J*	R941,942	0B25539A	RK 1K 1/10W J*
			R856,857	0B25515A	RK 100 1/10W J*	R943	0B25539A	RK 1K 1/10W J*
			R858,859	0B25563A	RK 10K 1/10W J*	R944	0B20675A	RK 2.2 1/10W K*
			R860,861	0B25563A	RK 10K 1/10W J*	R945	0B25612A	RK 0 1/10W J*
			R862	0B25563A	RK 10K 1/10W J*	R946	0B25515A	RK 100 1/10W J*
			R863	0B25515A	RK 100 1/10W J*	R947,948	0B25539A	RK 1K 1/10W J*
			R864,865	0B25563A	RK 10K 1/10W J*	R949,950	0B25539A	RK 1K 1/10W J*
			R866	0B25563A	RK 10K 1/10W J*	R951,952	0B25539A	RK 1K 1/10W J*
			R867	0B25562A	RK 9.1K 1/10W J*	R953,954	0B25539A	RK 1K 1/10W J*
			R868	0B25547A	RK 2.2K 1/10W J*	R955,956	0B25539A	RK 1K 1/10W J*
			R869,870	0B25562A	RK 9.1K 1/10W J*	R957,958	0B25539A	RK 1K 1/10W J*
			R871	0B25547A	RK 2.2K 1/10W J*	R959,960	0B25539A	RK 1K 1/10W J*
			R872,873	0B25562A	RK 9.1K 1/10W J*	R961,962	0B25563A	RK 10K 1/10W J*
			R874	0B25562A	RK 9.1K 1/10W J*	R963,964	0B25539A	RK 1K 1/10W J*
			R875	0B25547A	RK 2.2K 1/10W J*	R965,966	0B25539A	RK 1K 1/10W J*
			R876	0B25562A	RK 9.1K 1/10W J*	R967	0B25563A	RK 10K 1/10W J*
			R877	0B25547A	RK 2.2K 1/10W J*	R968,969	0B25539A	RK 1K 1/10W J*
			R878	0B25562A	RK 9.1K 1/10W J*	R970	0B09717A	RK 47K 1/6W J
			R879,880	0B25563A	RK 10K 1/10W J*	R971,972	0B25539A	RK 1K 1/10W J*
			R881,882	0B25563A	RK 10K 1/10W J*	R973,974	0B25539A	RK 1K 1/10W J*
			R883	0B25563A	RK 10K 1/10W J*	R975,976	0B25539A	RK 1K 1/10W J*
			R884	0B25515A	RK 100 1/10W J*	R979,980	0B25539A	RK 1K 1/10W J*
			R885,886	0B25563A	RK 10K 1/10W J*	R981	0B25539A	RK 1K 1/10W J*
			R887	0B25563A	RK 10K 1/10W J*	R984,985	0B25539A	RK 1K 1/10W J*
			R888,889	0B25562A	RK 9.1K 1/10W J*	R986	0B25539A	RK 1K 1/10W J*
			R890	0B25547A	RK 2.2K 1/10W J*	R987,988	0B25515A	RK 100 1/10W J*
			R891	0B25562A	RK 9.1K 1/10W J*	R989,990	0B25515A	RK 100 1/10W J*
			R892	0B25547A	RK 2.2K 1/10W J*	R991	0B09701A	RK 10K 1/6W J
			R893,894	0B25562A	RK 9.1K 1/10W J*	R992,993	0B25523A	RK 220 1/10W J*
			R895	0B25562A	RK 9.1K 1/10W J*	R994	0B25523A	RK 220 1/10W J*
			R896	0B25547A	RK 2.2K 1/10W J*	C801	0B41298A	CML 0.1 50V J
			R897	0B25562A	RK 9.1K 1/10W J*	C803	0B41298A	CML 0.1 50V J
			R898	0B25547A	RK 2.2K 1/10W J*	C805	0B41298A	CML 0.1 50V J
			R899	0B25562A	RK 9.1K 1/10W J*	C807,808	0B43092A	CC 0.1 25V Z*
			R900,901	0B25563A	RK 10K 1/10W J*	C809,810	0B43092A	CC 0.1 25V Z*
			R902,903	0B25563A	RK 10K 1/10W J*	C811	0B40063A	CE 100 10V
			R904	0B25563A	RK 10K 1/10W J*	C812,813	0B43092A	CC 0.1 25V Z*
			R905	0B25515A	RK 100 1/10W J*	C814,815	0B43092A	CC 0.1 25V Z*
			R906,907	0B25563A	RK 10K 1/10W J*	C816,817	0B43092A	CC 0.1 25V Z*
			R908	0B25563A	RK 10K 1/10W J*	C818,819	0B41298A	CML 0.1 50V J
			R909,910	0B25562A	RK 9.1K 1/10W J*	C820,821	0B05681A	CML 0.01 50V J
			R911	0B25547A	RK 2.2K 1/10W J*	C822,823	0B40077A	CE 47 16V
			R912	0B25562A	RK 9.1K 1/10W J*	C824	0B40077A	CE 47 16V
			R913	0B25547A	RK 2.2K 1/10W J*	C825,826	0B43092A	CC 0.1 25V Z*
			R914,915	0B25562A	RK 9.1K 1/10W J*	C827,828	0B43061A	CC 22P 50V J*
			R916	0B25562A	RK 9.1K 1/10W J*	C829	0B05880A	CC 470P 50V K
			R917	0B25547A	RK 2.2K 1/10W J*	C830,831	0B43092A	CC 0.1 25V Z*
			R918	0B25562A	RK 9.1K 1/10W J*	C832,833	0B43092A	CC 0.1 25V Z*
			R919	0B25547A	RK 2.2K 1/10W J*	C834	0B43092A	CC 0.1 25V Z*
			R920	0B25562A	RK 9.1K 1/10W J*	C835,836	0B40077A	CE 47 16V

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C837,838	0B43092A	CC 0.1 25V Z*	C929	0B43211A	CC 1000P 50V J*	T2	0B50344A	Power Transformer (JPN, USA, CAN)
C839,840	0B43092A	CC 0.1 25V Z*	C930,931	0B41298A	CML 0.1 50V J		0B50345A	Power Transformer (Except JPN, USA, CAN)
C841	0B40074A	CE 10 16V	C932	0B43211A	CC 1000P 50V J*			
C842	0B41298A	CML 0.1 50V J	C933,934	0B43092A	CC 0.1 25V Z*	R403	0B24083A	RF 180 1W
C843	0B40715A	CE 10 16V (LN)	C935,936	0B43092A	CC 0.1 25V Z*	R404	0B24442R	RF 22 1W
C844	0B41298A	CML 0.1 50V J	C937,938	0B43092A	CC 0.1 25V Z*	R405,406	0B09709A	RK 22K 1/6W J
C845,846	0B40715A	CE 10 16V (LN)	C939	0B43211A	CC 1000P 50V J*	R407	0B09677A	RK 1K 1/6W J
C847	0B41410A	CPP 1000P 50V J	C993	0B43092A	CC 0.1 25V Z*	R408	0B09701A	RK 10K 1/6W J
C848	0B41394A	CPP 220P 50V J	C1000	0B47117A	CC 0.1 50V Z	R409	0B20057A	RK 4.7M 1/2W J (JPN)
C849	0B41410A	CPP 1000P 50V J	C1002	0B47117A	CC 0.1 50V Z		0B21652R	RK 4.7M 1/2W (USA, CAN)
C850	0B41394A	CPP 220P50VJ	C1003	0B41298A	CML 0.1 50V J	R410	0B09703A	RK 12K 1/6W J
C851	0B41298A	CML 0.1 50V J	C1004	0B47117A	CC 0.1 50V Z	R411,412	0B09629A	RK 10 1/6W J
C852	0B41410A	CPP 1000P 50V J	CP3	0B81463A	6P T-Post	R413	0B09629A	RK 10 1/6W J
C853	0B41394A	CPP 220P 50V J	CP4	0B81465A	8P T-Post	R416	0B09717A	RK 47K 1/6W J
C854	0B41410A	CPP 1000P 50V J	CP8	0B81460A	3P T-Post	R418	0B09677A	RK 1K 1/6W J
C855	0B41394A	CPP 220P 50V J	CP9	0B81460A	3P T-Post	R419	0B09656A	RK 130 1/6W J
C856	0B43092A	CC 0.1 25V Z*	CP10	0B84086A	11P T-Post	R420	0B09655A	RK 120 1/6W J
C857	0B40074A	CE 10 16V	CP11	0B84085A	10P T-Post	R421	0B09685A	RK 2.2K 1/6W J
C858	0B41298A	CML 0.1 50V J	CP12	0B81464A	7P T-Post	R422	0B80082A	Jumper Wire 5mm (JPN, OTR, USA, CAN, DA, TW)
C859	0B40715A	CE 10 16V (LN)	CP13	0B81462A	5P T-Post			
C860	0B41298A	CML 0.1 50V J	CP14	0B81463A	6P T-Post	R423	0B09613A	RK 2.2 1/6W J
C861,862	0B40715A	CE 10 16V (LN)	CP33	0B81459A	2P T-Post	C401	0B40094A	CE 470 25V
C863	0B41410A	CPP 1000P 50V J	CP801,802	0B10807A	Tos Link TORX178A	C403	0B40078A	CE 100 16V
C864	0B41394A	CPP 220P 50V J	CP803	0B12811A	Toslink TOTX178A	C404,405	0B47134A	CC 0.022 50V Z
C865	0B41410A	CPP 1000P 50V J	CP804	0B10824A	IC Photocoupler PC918X	C406	0B47134A	CC 0.022 50V Z
C866	0B41394A	CPP 220P 50V J				C407,408	0B40078A	CE 100 16V
C867	0B41298A	CML 0.1 50V J	J100	0B25612A	RK 0 1/10W J*	C409,410	0B47134A	CC 0.022 50V Z
C868	0B41410A	CPP 1000P 50V J	J101	0B25523A	RK 220 1/10W J*	C411	0B40078A	CE 100 16V
C869	0B41394A	CPP 220P 50V J	J104,105	0B25612A	RK 0 1/10W J*	C412	0B40112A	CE 1 50V
C870	0B41410A	CPP 1000P 50V J	J106	0B25612A	RK 0 1/10W J*	C413	0B40113A	CE 2.2 50V
C871	0B41394A	CPP 220P 50V J	JK801	0B85452A	13P Mini Socket	C414,415	0B09591A	CPP 0.01 100V J
C872	0B43092A	CC 0.1 25V Z*	JK802	0B80668A	DIN 13P Socket	C416	0B40097R	CE 3300 25V
C873	0B40074A	CE 10 16V	PJ801	0B85544A	Pin Jack 3P AU O	C417	0B41298A	CML 0.1 50V J
C874	0B41298A	CML 0.1 50V J	PJ804,805	0B80774A	Mini Jack H	C418	0B40077A	CE 47 16V
C875	0B40715A	CE 10 16V (LN)				C419	0B41298A	CML 0.1 50V J
C876	0B41298A	CML 0.1 50V J				C420,421	0B09591A	CPP 0.01 100V J
C877,878	0B40715A	CE 10 16V (LN)				C422	0B40085R	CE 4700 16V
C879	0B41410A	CPP 1000P 50V J				C423	0B41298A	CML 0.1 50V J
C880	0B41394A	CPP 220P 50V J				C424	0B40081A	CE 470 16V
C881	0B41410A	CPP 1000P 50V J				C425	0B41298A	CML 0.1 50V J
C882	0B41394A	CPP 220P 50V J				C426,427	0B09591A	CPP 0.01 100V J
C883	0B41298A	CML 0.1 50V J				C428	0B41298A	CML 0.1 50V J
C884	0B41410A	CPP 1000P 50V J				C429	0B42616A	CE 1000 25V
C885	0B41394A	CPP 220P 50V J				C430	0B41298A	CML 0.1 50V J
C886	0B41410A	CPP 1000P 50V J				C431	0B40078A	CE 100 16V
C887	0B41394A	CPP 220P 50V J				C432	0B41298A	CML 0.1 50V J
C888,889	0B43092A	CC 0.1 25V Z*				C433	0B40078A	CE 100 16V
C890,891	0B43092A	CC 0.1 25V Z*				C434	0B41298A	CML 0.1 50V J
C892,893	0B43092A	CC 0.1 25V Z*				C435	0B40078A	CE 100 16V
C894,895	0B43092A	CC 0.1 25V Z*				C436	0B41298A	CML 0.1 50V J
C896,897	0B43092A	CC 0.1 25V Z*				C437,438	0B09591A	CPP 0.01 100V J
C898	0B43092A	CC 0.1 25V Z*				C439	0B40082A	CE 1000 16V
C899,900	0B40654A	CE 100 25V (LN)				C440	0B47117A	CC 0.1 50V Z
C901,902	0B40077A	CE 47 16V				C441	0B40082A	CE 1000 16V
C903	0B40063A	CE 100 10V				C442	0B47117A	CC 0.1 50V Z
C904,905	0B43092A	CC 0.1 25V Z*				C443	0B42616A	CE 1000 25V
C906	0B40063A	CE 100 10V				C444,445	0B09591A	CPP 0.01 100V J
C907,908	0B40074A	CE 10 16V				C446	0B41825A	CC 4700P 400V (Except JPN)
C909	0B43092A	CC 0.1 25V Z*					0B41826A	CC 4700P 250V (JPN)
C910	0B40074A	CE 10 16V					0B40112A	CE 1 50V
C911	0B43092A	CC 0.1 25V Z*					0B41298A	CML 0.1 50V J
C912	0B40074A	CE 10 16V					0B47117A	CC 0.1 50V Z (UK, AUS, EP, CH, HK, KR, ML)
C913,914	0B43078A	CC 2200P 50V K*						
C915	0B43092A	CC 0.1 25V Z*						
C916	0B40074A	CE 10 16V						
C917	0B43092A	CC 0.1 25V Z*						
C918	0B40074A	CE 10 16V						
C919	0B43092A	CC 0.1 25V Z*						
C920	0B40063A	CE 100 10V						
C921,922	0B43092A	CC 0.1 25V Z*						
C923	0B43092A	CC 0.1 25V Z*						
C924	0B41298A	CML 0.1 50V J						
C925,926	0B43211A	CC 1000P 50V J*						
C927,928	0B43211A	CC 1000P 50V J*						

2.2. P. Supply P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10136A	P. Supply P.C.B Ass'y (USA, CAN)
	BA10144A	P. Supply P.C.B Ass'y (JPN)
	BA10145A	P. Supply P.C.B Ass'y (UK, AUS, EP, CH, HK, KR, ML)
	BA10146A	P. Supply P.C.B Ass'y (OTR, DA, TW) [SS-10/11/21]
ICP401	0B11248A	IC Protector ICP-N5 0.25A
U401	0B11240A	IC NJM78L05A
U402	0B12907A	IC PQ12RF1
U406	0B17033A	IC NJM78M12FA
ZD401	0B12314A	ZD MTZ12V B
Q401	2B10073A	TR 2SD1761E/D
Q402,403	0B06100A	TR 2SC945
Q404	0B06100A	TR 2SC945
Q405,406	0B10068A	TR DTC114ES
Q407	0B10058A	TR DTA114ES
Q408	0B06100A	TR 2SC945
D401,402	0B12586A	SID 1N4002
D403,404	0B12586A	SID 1N4002
D405	0B12249A	SID 1SS133
D406,407	0B12586A	SID 1N4002
D410,411	0B12874A	SID 2W02G
D412	0B10543A	SID GBU8D
T1	0B50342A	Sub Transformer (JPN, USA, CAN)
	0B50343A	Sub Transformer (Except JPN, USA, CAN)
CN1	0B85527A	1P Connector Ass'y CN-1
CN2	0B85402A	12P Connector Ass'y CN-2
CN3	0B85403A	6P Connector Ass'y CN-3
CN4	0B85404A	8P Connector Ass'y CN-4

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	2.4. Headphone P.C.B. Ass'y		
CN5	0B85405A	3PConnector Ass'y CN-5	F407	0B90846A	Fuse 1A 250V F (JPN, OTR, USA, CAN, DA, TW)	Schematic Ref. No.	Part No.	Description
CN6	0B85406A	8PConnector Ass'y CN-6					BA10139A	Headphone P.C.B. Ass'y (JPN, OTR, USA, CAN, DA, TW)
CN14	0B85414A	6PConnector Ass'y CN-14		0B90865A	Fuse 1A 250V T (UK, AUS, EP, CH, HK, KR, ML)		BA10270A	Headphone P.C.B. Ass'y (UK, AUS, EP, CH, HK, KR, ML)
CN17	0B85528A	1P Connector Ass'y CN-17						[SS-10/11/21]
CN20	0B85456A	1P Connector Ass'y CN-20	F408	0B90846A	Fuse 1A 250V F (JPN, OTR, USA, CAN, DA, TW)	C2,3	0B05550A	CML 1000P 50V J (UK, AUS, EP, CH, HK, KR, ML)
CN21	0B85529A	1P Connector Ass'y CN-21 (Except KR)		0B90865A	Fuse 1A 250V T (UK, AUS, EP, CH, HK, KR, ML)	C4	0B41298A	CML 0.1 50V J (UK, AUS, EP, CH, HK, KR, ML)
CN22	0B85530A	1P Connector Ass'y CN-22 (JPN, OTR, USA, CAN, DA, TW)	F409	0B90846A	Fuse 1A 250V F (JPN, OTR, USA, CAN, DA, TW)	CN15	0B85415A	5P Connector Ass'y CN-15
CN23	0B85531A	1P Connector Ass'y CN-23		0B90865A	Fuse 1A 250V T (UK, AUS, EP, CH, HK, KR, ML)	CN16	0B85416A	2P Connector Ass'y CN-16
CN24	0B85532A	1P Connector Ass'y CN-24/28 (UK, AUS, EP, CH, HK, ML)				HJ101	0B85360A	Headphone Jack
CN25	0B85533A	1P Connector Ass'y CN-25 (UK, AUS, EP, CH, HK, ML)	F410	0B90846A	Fuse 1A 250V F (JPN, OTR, USA, CAN, DA, TW)		0B85542A	1P Connector Ass'y CN-46/47 (UK, AUS, EP, CH, HK, KR, ML) (1)
CN26	0B85462A	1P Connector Ass'y CN-26 (OTR, DA, TW)		0B90865A	Fuse 1A 250V T (UK, AUS, EP, CH, HK, KR, ML)	2.5. HS1 P.C.B. Ass'y		
CN27	0B85463A	1P Connector Ass'y CN-27 (OTR, DA, TW)	FC401,402	0B90757A	Fuse Clip (UK, AUS, EP, CH, HK, ML)	Schematic Ref. No.	Part No.	Description
CN28	0B85460A	1P Connector Ass'y CN-24/28 (OTR, DA, TW)	FC403,404	0B90757A	Fuse Clip		BA10194A	HS1 P.C.B. Ass'y [SS-10/11/21]
CN30	0B85475A	1P Connector Ass'y CN-30 (OTR, DA, TW)	FC405,406	0B90757A	Fuse Clip			
CN31	0B85476A	1P Connector Ass'y CN-31 (OTR, DA, TW)	FC407,408	0B90757A	Fuse Clip			
CN32	0B85477A	1P Connector Ass'y CN-32 (OTR, DA, TW)	FC409,410	0B90757A	Fuse Clip			
CN38	0B85497A	1P Connector Ass'y CN-38/42/43	FC411,412	0B90757A	Fuse Clip			
CN45	0B85521A	1-2P Connector A/37	FC413,414	0B90757A	Fuse Clip			
CP2	0B81644A	12P T Post	FC415,416	0B90757A	Fuse Clip			
CP7	0B81461A	4P T-Post	FC417,418	0B90757A	Fuse Clip	U403	0B10554A	IC PQ05RF1
CP16	0B81459A	2P T-Post	FC419,420	0B90757A	Fuse Clip	CN18	0B85455A	3P Connector Ass'y CN-18/19
F401	0B90872A	Fuse T 5AL250V (Except KR)	G401	0B80673A	Earth Terminal (USA, CAN)		0B85465A	3P20 Wire Holder (1)
F402	0B90853A	FU.F 5A 125V (JPN, OTR, USA, CAN, DA, TW)	G402	0B80673A	Earth Terminal	2.6. HS2 P.C.B. Ass'y		
	0B90870A	Fuse T 3.15AL250V (UK, AUS, EP, CH, HK, KR, ML)	INLET1	0B85361A	AC Inlet UL (USA, CAN)	Schematic Ref. No.	Part No.	Description
F403	0B90849A	Fuse F 2A 250V (JPN, OTR, USA, CAN, DA, TW)	OUTLET1	0B85359A	2P AC Outlet (JPN, OTR, USA, CAN, DA, TW)		BA10195A	HS2 P.C.B. Ass'y [SS-10/11/21]
	0B90868A	Fuse T 2AL250V (UK, AUS, EP, CH, HK, KR, ML)	PJ401,402	0B80774A	Mini Jack H	U404	0B11751A	IC NJM7815FA
F404	0B90849A	Fuse F 2A 250V (JPN, OTR, USA, CAN, DA, TW)	RY401	0B90907A	Relay OSZ-SH-112	CN-19	0B85455A	3P Connector Ass'y CN-18/19
	0B90868A	Fuse T 2AL250V (UK, AUS, EP, CH, HK, KR, ML)		0B70285A	Voltage Switch (OTR, DA, TW) (1)		0B85465A	3P20 Wire Holder (1)
F405	0B90851A	Fuse F 3A 250V (JPN, OTR, USA, CAN, DA, TW)		0B85400A	Terminal Pin K (4)	2.7. HS3 P.C.B. Ass'y		
	0B90870A	Fuse T 3.15AL250V (UK, AUS, EP, CH, HK, KR, ML)		0B85465A	3P20 Wire Holder (2)	Schematic Ref. No.	Part No.	Description
F406	0B90851A	Fuse F 3A 250V (JPN, OTR, USA, CAN, DA, TW)		0B90924A	Capacitor Cover (1)		BA10228A	HS3 P.C.B. Ass'y [SS-10/11/21]
	0B90870A	Fuse T 3.15AL250V (UK, AUS, EP, CH, HK, KR, ML)	2.3. PSW-LED P.C.B. Ass'y			U917	0B10554A	IC PQ05RF1
			Schematic Ref. No.	Part No.	Description	CN34	0B85495A	3P Connector Ass'y CN-34
				BA10138A	PSW-LED P.C.B. Ass'y (Except JPN)	2.8. HS4 P.C.B. Ass'y		
				BA10220A	PSW-LED P.C.B. Ass'y (JPN) [SS-10/11/21]	Schematic Ref. No.	Part No.	Description
							BA10229A	HS4 P.C.B. Ass'y [SS-10/11/21]
			ED401	0B12806A	LED Green	U405	0B11752A	IC NJM7915FA
			ED402	0B10825A	LED Amber GL3HS43	CN35	0B85455A	3P Connector Ass'y CN-18/19
			C1	0B41825A	CC 4700P 400V (Except JPN)		0B85465A	3P20 Wire Holder (1)
				0B41826A	CC 4700P 250V (JPN)			
			CN7	0B85407A	4PConnector Ass'y CN-7			
			S1	0B70284A	Power Switch MB-10			
				0B90924A	Capacitor Cover (1) (Except JPN)			

2.9. Trans-S P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA10177A	Trans-S P.C.B. Ass'y [SS-10/11/21]	X901	0B90908A	X'tal 14.31818MHz (JPN, USA, CAN, KR, TW)	C907,908	0B41974A	CC 100P 50V J
				0B90909A	X'tal 17.734475MHz (UK, OTR, AUS, EP, CH, DA, HK, ML)	C909,910	0B41974A	CC 100P 50V J
CN2	0B85402A	12P Connector Ass'y CN-2	R901,902	0B09650A	RK 75 1/6W J	C911	0B41974A	CC 100P 50V J
			R903,904	0B09650A	RK 75 1/6W J	C912	0B40053A	CE 1000 6.3V
			R905,906	0B09650A	RK 75 1/6W J	C913	0B41974A	CC 100P 50V J
			R907,908	0B09650A	RK 75 1/6W J	C914,915	0B40074A	CE 10 16V
			R909,910	0B09650A	RK 75 1/6W J	C916	0B47117A	CC 0.1 50V Z
			R911,912	0B09701A	RK 10K 1/6W J	C917	0B40053A	CE 1000 6.3V
			R913,914	0B09701A	RK 10K 1/6W J	C919,920	0B47117A	CC 0.1 50V Z
			R915,916	0B09701A	RK 10K 1/6W J	C921,922	0B47117A	CC 0.1 50V Z
			R917,918	0B09649A	RK 68 1/6W J	C923,924	0B47117A	CC 0.1 50V Z
			R919,920	0B09649A	RK 68 1/6W J	C925,926	0B47117A	CC 0.1 50V Z
			R921,922	0B09649A	RK 68 1/6W J	C927,928	0B47117A	CC 0.1 50V Z
			R923,924	0B09701A	RK 10K 1/6W J	C929,930	0B47117A	CC 0.1 50V Z
			R925,926	0B09649A	RK 68 1/6W J	C931,932	0B40074A	CE 10 16V
			R927,928	0B09650A	RK 75 1/6W J	C933	0B40074A	CE 10 16V
			R929,930	0B09650A	RK 75 1/6W J	C934	0B40053A	CE 1000 6.3V
			R931,932	0B09701A	RK 10K 1/6W J	C936	0B40053A	CE 1000 6.3V
			R933,934	0B09649A	RK 68 1/6W J	C938	0B40053A	CE 1000 6.3V
			R935,936	0B09701A	RK 10K 1/6W J	C940	0B47117A	CC 0.1 50V Z
			R937,938	0B09649A	RK 68 1/6W J	C941,942	0B40074A	CE 10 16V
			R941,942	0B09650A	RK 75 1/6W J	C943	0B40074A	CE 10 16V
			R943,944	0B09717A	RK 47K 1/6W J	C944	0B40053A	CE 1000 6.3V
			R945,946	0B09717A	RK 47K 1/6W J	C946	0B40053A	CE 1000 6.3V
			R947,948	0B09717A	RK 47K 1/6W J	C948	0B40053A	CE 1000 6.3V
			R949,950	0B09717A	RK 47K 1/6W J	C950	0B47117A	CC 0.1 50V Z
			R951	0B09717A	RK 47K 1/6W J	C951,952	0B40074A	CE 10 16V
			R952	0B09693A	RK 4.7K 1/6W J	C953	0B40074A	CE 10 16V
			R953	0B09701A	RK 10K 1/6W J	C954	0B40053A	CE 1000 6.3V
			R954	0B09705A	RK 15K 1/6W J	C956	0B40053A	CE 1000 6.3V
			R955	0B09733A	RK 220K 1/6W J	C958	0B40053A	CE 1000 6.3V
			R956	0B09725A	RK 100K 1/6W J	C960,961	0B47117A	CC 0.1 50V Z
			R957	0B09741A	RK 470K 1/6W J	C962,963	0B40074A	CE 10 16V
			R958	0B09693A	RK 4.7K 1/6W J	C964	0B40053A	CE 1000 6.3V
			R959	0B09725A	RK 100K 1/6W J	C966	0B40078A	CE 100 16V
			R960	0B09701A	RK 10K 1/6W J	C968	0B47117A	CC 0.1 50V Z
			R961	0B09637A	RK 22 1/6W J	C969	0B40077A	CE 47 16V
			R962,963	0B09665A	RK 330 1/6W J	C970	0B47117A	CC 0.1 50V Z
			R964	0B09736A	RK 300K 1/6W J	C971	0B47300A	CC 0.01 50V M
			R965,966	0B09717A	RK 47K 1/6W J	C972	0B47213A	CC 220P 50V J
			R967	0B09665A	RK 330 1/6W J	C973	0B47210A	CC 120P 50V J
			R968	0B09653A	RK 100 1/6W J	C974	0B47117A	CC 0.1 50V Z
			R969	0B09669A	RK 470 1/6W J	C975	0B47006A	CC 820P 50V K
			R970,971	0B09613A	RK 2.2 1/6W J	C976	0B40077A	CE 47 16V
			R972	0B09705A	RK 15K 1/6W J	C977	0B47117A	CC 0.1 50V Z
			R973	0B09679A	RK 1.2K 1/6W J	C978,979	0B41708A	CC 22P 50V J
			R974	0B09699A	RK 8.2K 1/6W J	C980	0B40077A	CE 47 16V
			R975,976	0B09705A	RK 15K 1/6W J	C981	0B47117A	CC 0.1 50V Z
			R977	0B09721A	RK 68K 1/6W J	C982,983	0B41976A	CC 33P 50V J
			R978	0B09665A	RK 330 1/6W J	C984	0B40115A	CE 4.7 50V
			R979	0B09668A	RK 430 1/6W J	C985	0B40078A	CE 100 16V
			R980	0B09669A	RK 470 1/6W J	C986,987	0B40077A	CE 47 16V
			R981	0B09629A	RK 10 1/6W J	C988	0B47013A	CC 3300 50V K
			R982	0B09669A	RK 470 1/6W J	C989	0B40115A	CE 4.7 50V
			R983	0B09705A	RK 15K 1/6W J	C990	0B41975A	CC 10P 50V C
			R984	0B09725A	RK 100K 1/6W J	C991,992	0B47117A	CC 0.1 50V Z
			R985	0B09685A	RK 2.2K 1/6W J	C994	0B40069A	CE 2200 10V
			R986	0B09707A	RK 18K 1/6W J	C995,996	0B47117A	CC 0.1 50V Z
			R987,988	0B09713A	RK 33K 1/6W J	C997	0B40063A	CE 100 10V
			R989,990	0B09733A	RK 220K 1/6W J	C998,999	0B47117A	CC 0.1 50V Z
			R991	0B09701A	RK 10K 1/6W J	C1000	0B40074A	CE 10 16V
			R992	0B09713A	RK 33K 1/6W J	C1001	0B40053A	CE 1000 6.3V
			R993,994	0B09741A	RK 470K 1/6W J	C1002	0B47117A	CC 0.1 50V Z
			R995,996	0B09741A	RK 470K 1/6W J	C1010,1011	0B47117A	CC 0.1 50V Z
			R1001,1002	0B09736A	RK 300K 1/6W J	C1012,1013	0B47117A	CC 0.1 50V Z
			R1003,1004	0B09736A	RK 300K 1/6W J	C1014	0B41974A	CC 100P 50V J
			R1005,1006	0B09736A	RK 300K 1/6W J	CN13	0B85413A	5PConnector Ass'y CN-13
			R1007,1008	0B09650A	RK 75 1/6W J	CP5	0B81460A	3P T-Post
			R1009	0B09677A	RK 1K 1/6W J	CP34	0B81635A	3P T-Post
			C901,902	0B41974A	CC 100P 50V J	PJ901,902	0B85364A	3P Pin Jack AU Y
			C903,904	0B41974A	CC 100P 50V J	PJ903	0B85363A	2P Pin Jack AU Y
			C905,906	0B41974A	CC 100P 50V J	PJ904,905	0B85365A	3P S Jack W/SW
						PJ906	0B85365A	3P S Jack W/SW

2.12. Analog P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA10134A	Analog P.C.B Ass'y (OTR, USA, CAN, CH, DA, HK, KR, ML, TW)	R112	0B09717A	RK 47K 1/6W J	R197	0B09670A	RK 510 1/6W J
	BA10142A	Analog P.C.B Ass'y (JPN)	R113	0B09725A	RK 100K 1/6W J	R198	0B09685A	RK 2.2K 1/6W J
	BA10143A	Analog P.C.B Ass'y (UK, AUS, EP) [SS-10/11/21]	R114	0B09653A	RK 100 1/6W J	R199	0B09711A	RK 27K 1/6W J
U102,103	0B06124A	IC NJM4558D	R115	0B09717A	RK 47K 1/6W J	R201	0B09723A	RK 82K 1/6W J
U104,105	0B06124A	IC NJM4558D	R116	0B09725A	RK 100K 1/6W J	R202	0B09721A	RK 68K 1/6W J
U107,108	0B10812A	IC LC78211	R117	0B09653A	RK 100 1/6W J	R203	0B09693A	RK 4.7K 1/6W J
U109	0B10814A	IC LC78213	R118	0B09717A	RK 47K 1/6W J	R204	0B09727A	RK 120K 1/6W J
U110,111	0B11713A	IC UPC4570C	R119	0B09725A	RK 100K 1/6W J	R205	0B09741A	RK 470K 1/6W J
U112,113	0B11713A	IC UPC4570C	R120	0B09653A	RK 100 1/6W J	R206	0B09670A	RK 510 1/6W J
U114,115	0B11713A	IC UPC4570C	R121	0B09717A	RK 47K 1/6W J	R207	0B09685A	RK 2.2K 1/6W J
U116,117	0B11713A	IC UPC4570C	R122	0B09725A	RK 100K 1/6W J	R208	0B09711A	RK 27K 1/6W J
U118,119	0B12879A	IC TC9459N	R123	0B09653A	RK 100 1/6W J	R210	0B09723A	RK 82K 1/6W J
U120	0B12879A	IC TC9459N	R124	0B09717A	RK 47K 1/6W J	R211	0B09721A	RK 68K 1/6W J
U121,122	0B12878A	IC TC9184AP	R125	0B09725A	RK 100K 1/6W J	R212	0B09693A	RK 4.7K 1/6W J
U123,124	0B11713A	IC UPC4570C	R126	0B09653A	RK 100 1/6W J	R213	0B09727A	RK 120K 1/6W J
U125,126	0B11713A	IC UPC4570C	R127	0B09717A	RK 47K 1/6W J	R214	0B09741A	RK 470K 1/6W J
U127,128	0B10879A	IC NJM2114D	R128	0B09725A	RK 100K 1/6W J	R215	0B09653A	RK 100 1/6W J
U129	0B10879A	IC NJM2114D	R129	0B09653A	RK 100 1/6W J	R216	0B09717A	RK 47K 1/6W J
U130	0B10743A	IC NJM4556D	R130	0B09717A	RK 47K 1/6W J	R217	0B09677A	RK 1K 1/6W J
U132	0B06124A	IC NJM4558D	R131	0B09725A	RK 100K 1/6W J	R218	0B09692A	RK 4.3K 1/6W J
U133	0B12841A	IC LC72722PM* (UK, AUS, EP)	R132	0B09653A	RK 100 1/6W J	R219	0B09653A	RK 100 1/6W J
U134	0B06169A	IC TC4066BP	R133	0B09717A	RK 47K 1/6W J	R220	0B09717A	RK 47K 1/6W J
U135	0B11713A	IC UPC4570C	R134	0B09725A	RK 100K 1/6W J	R221	0B09677A	RK 1K 1/6W J
Q101	0B06299A	TR 2SC2878	R135	0B09653A	RK 100 1/6W J	R222	0B09692A	RK 4.3K 1/6W J
Q102	0B10058A	TR DTA114ES	R136	0B09717A	RK 47K 1/6W J	R223	0B09670A	RK 510 1/6W J
Q103	0B10068A	TR DTC114ES	R137	0B09725A	RK 100K 1/6W J	R224	0B09685A	RK 2.2K 1/6W J
Q104	0B06299A	TR 2SC2878	R138	0B09677A	RK 1K 1/6W J	R225	0B09711A	RK 27K 1/6W J
Q105	0B10058A	TR DTA114ES	R139	0B09725A	RK 100K 1/6W J	R227	0B09723A	RK 82K 1/6W J
Q106	0B10068A	TR DTC114ES	R140	0B09677A	RK 1K 1/6W J	R228	0B09721A	RK 68K 1/6W J
Q107,108	0B06299A	TR 2SC2878	R141	0B09725A	RK 100K 1/6W J	R229	0B09693A	RK 4.7K 1/6W J
Q109	0B10058A	TR DTA114ES	R142	0B09677A	RK 1K 1/6W J	R230	0B09727A	RK 120K 1/6W J
Q110	0B10068A	TR DTC114ES	R143	0B09725A	RK 100K 1/6W J	R231	0B09741A	RK 470K 1/6W J
Q111,112	0B06299A	TR 2SC2878	R144,145	0B09677A	RK 1K 1/6W J	R232	0B09670A	RK 510 1/6W J
Q115	0B06299A	TR 2SC2878	R146	0B09725A	RK 100K 1/6W J	R233	0B09685A	RK 2.2K 1/6W J
Q118,119	0B06299A	TR 2SC2878	R147	0B09677A	RK 1K 1/6W J	R234	0B09711A	RK 27K 1/6W J
Q120	0B06299A	TR 2SC2878	R148,149	0B09701A	RK 10K 1/6W J	R236	0B09723A	RK 82K 1/6W J
Q123,124	0B06299A	TR 2SC2878	R150	0B09701A	RK 10K 1/6W J	R237	0B09721A	RK 68K 1/6W J
Q125	0B06100A	TR 2SC945	R151	0B09693A	RK 4.7K 1/6W J	R238	0B09693A	RK 4.7K 1/6W J
Q126,127	0B10104A	TR DTC114TS	R152	0B09709A	RK 22K 1/6W J	R239	0B09727A	RK 120K 1/6W J
Q128	0B10068A	TR DTC114ES	R154	0B80082A	Jumper Wire 5mm	R240	0B09741A	RK 470K 1/6W J
Q129	0B06100A	TR 2SC945	R155	0B09693A	RK 4.7K 1/6W J	R241	0B09653A	RK 100 1/6W J
Q130	0B10058A	TR DTA114ES	R156	0B09709A	RK 22K 1/6W J	R242	0B09717A	RK 47K 1/6W J
Q131	0B10068A	TR DTC114ES	R158	0B80082A	Jumper Wire 5mm	R243	0B09677A	RK 1K 1/6W J
D101,102	0B12249A	SID 1SS133	R159	0B09653A	RK 100 1/6W J	R244	0B09681A	RK 1.5K 1/6W J
D103,104	0B12249A	SID 1SS133	R160	0B09717A	RK 47K 1/6W J	R245	0B09677A	RK 1K 1/6W J
D105,106	0B12249A	SID 1SS133	R161	0B09653A	RK 100 1/6W J	R246	0B09717A	RK 47K 1/6W J
D107,108	0B12249A	SID 1SS133	R162	0B09717A	RK 47K 1/6W J	R247	0B09677A	RK 1K 1/6W J
D109,110	0B12249A	SID 1SS133	R163	0B09689A	RK 3.3K 1/6W J	R248	0B09701A	RK 10K 1/6W J
D111,112	0B12249A	SID 1SS133	R164	0B09685A	RK 2.2K 1/6W J	R249	0B09717A	RK 47K 1/6W J
D113,114	0B12249A	SID 1SS133	R165	0B09689A	RK 3.3K 1/6W J	R250	0B09684A	RK 2K 1/6W J
D115	0B12249A	SID 1SS133	R166	0B09685A	RK 2.2K 1/6W J	R251	0B09701A	RK 10K 1/6W J
L101	0B51183A	Inductor 100uH	R167	0B09689A	RK 3.3K 1/6W J	R252	0B09715A	RK 39K 1/6W J
L102,103	0B51178A	Coil 39uH	R168	0B09685A	RK 2.2K 1/6W J	R253	0B09708A	RK 20K 1/6W J
X101	0B90919A	X'Tal 4.332MHz (UK, AUS, EP)	R169	0B09689A	RK 3.3K 1/6W J	R254	0B09684A	RK 2K 1/6W J
R101	0B09725A	RK 100K 1/6W J	R170	0B09685A	RK 2.2K 1/6W J	R255	0B09701A	RK 10K 1/6W J
R102	0B09653A	RK 100 1/6W J	R171	0B09689A	RK 3.3K 1/6W J	R256	0B09715A	RK 39K 1/6W J
R103	0B09717A	RK 47K 1/6W J	R172	0B09685A	RK 2.2K 1/6W J	R257	0B09708A	RK 20K 1/6W J
R104	0B09725A	RK 100K 1/6W J	R173	0B09689A	RK 3.3K 1/6W J	R258	0B09715A	RK 39K 1/6W J
R105	0B09653A	RK 100 1/6W J	R174	0B09685A	RK 2.2K 1/6W J	R259	0B09708A	RK 20K 1/6W J
R106	0B09717A	RK 47K 1/6W J	R175	0B09701A	RK 10K 1/6W J	R260	0B09715A	RK 39K 1/6W J
R107	0B09725A	RK 100K 1/6W J	R176	0B09692A	RK 4.3K 1/6W J	R261	0B09708A	RK 20K 1/6W J
R108	0B09653A	RK 100 1/6W J	R177,178	0B09701A	RK 10K 1/6W J	R262	0B09701A	RK 10K 1/6W J
R109	0B09717A	RK 47K 1/6W J	R179	0B09688A	RK 3.0K 1/6W J	R263	0B09715A	RK 39K 1/6W J
R110	0B09725A	RK 100K 1/6W J	R180,181	0B09701A	RK 10K 1/6W J	R264	0B09708A	RK 20K 1/6W J
R111	0B09653A	RK 100 1/6W J	R182,183	0B09701A	RK 10K 1/6W J	R265	0B09701A	RK 10K 1/6W J
			R184	0B09701A	RK 10K 1/6W J	R266,267	0B09715A	RK 39K 1/6W J
			R185,186	0B09677A	RK 1K 1/6W J	R269	0B09717A	RK 47K 1/6W J
			R187	0B09685A	RK 2.2K 1/6W J	R270	0B09676A	RK 910 1/6W J
			R188,189	0B09677A	RK 1K 1/6W J	R271	0B09653A	RK 100 1/6W J
			R190	0B09685A	RK 2.2K 1/6W J	R272	0B09701A	RK 10K 1/6W J
			R191,192	0B09677A	RK 1K 1/6W J	R273	0B09747A	RK 820K 1/6W J
			R193	0B09685A	RK 2.2K 1/6W J	R274	0B09717A	RK 47K 1/6W J
			R194	0B09688A	RK 3.0K 1/6W J	R275	0B09676A	RK 910 1/6W J
			R195	0B09693A	RK 4.7K 1/6W J	R276	0B09653A	RK 100 1/6W J
			R196	0B09701A	RK 10K 1/6W J	R277	0B09701A	RK 10K 1/6W J

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R278	0B09717A	RK 47K 1/6W J	R375	0B09725A	RK 100K 1/6W J	C160	0B80082A	Jumper Wire 5mm
R279	0B09676A	RK 910 1/6W J	R376	0B09695A	RK 5.6K 1/6W J	C161	0B40077A	CE 47 16V
R280	0B09653A	RK 100 1/6W J	R378	0B09684A	RK 2K 1/6W J	C162,163	0B41298A	CML 0.1 50V J
R281	0B09701A	RK 10K 1/6W J	R379,380	0B09653A	RK 100 1/6W J	C164	0B40077A	CE 47 16V
R283	0B09747A	RK 820K 1/6W J	R381,382	0B09653A	RK 100 1/6W J	C165	0B40768A	CE 4.7 25V (LN)
R284	0B09717A	RK 47K 1/6W J	R383,384	0B09653A	RK 100 1/6W J	C166	0B80082A	Jumper Wire 5mm
R285	0B09676A	RK 910 1/6W J	R385,386	0B09653A	RK 100 1/6W J	C168	0B80082A	Jumper Wire 5mm
R286	0B09653A	RK 100 1/6W J	R387,388	0B09653A	RK 100 1/6W J	C169	0B40768A	CE 4.7 25V (LN)
R287	0B09701A	RK 10K 1/6W J	R389,390	0B09653A	RK 100 1/6W J	C170	0B41302A	CML 0.22 50V J
R288	0B09717A	RK 47K 1/6W J	R391,392	0B09653A	RK 100 1/6W J	C171	0B05550A	CML 1000P 50VJ
R289	0B09676A	RK 910 1/6W J	R393,394	0B09653A	RK 100 1/6W J	C172	0B80082A	Jumper Wire 5mm
R290	0B09653A	RK 100 1/6W J	R395,396	0B09653A	RK 100 1/6W J	C173	0B40077A	CE 47 16V
R291	0B09701A	RK 10K 1/6W J	R397,398	0B09653A	RK 100 1/6W J	C174,175	0B41298A	CML 0.1 50V J
R294	0B09717A	RK 47K 1/6W J	R399,400	0B09653A	RK 100 1/6W J	C176	0B40077A	CE 47 16V
R295	0B09676A	RK 910 1/6W J	R401,402	0B09653A	RK 100 1/6W J	C177	0B40768A	CE 4.7 25V (LN)
R296,297	0B09653A	RK 100 1/6W J	R403	0B09685A	RK 2.2K 1/6W J	C178	0B41302A	CML 0.22 50V J
R298	0B09701A	RK 10K 1/6W J	R404,405	0B09741A	RK 470K 1/6W J	C179	0B05550A	CML 1000P 50VJ
R301	0B09676A	RK 910 1/6W J	R406,407	0B09741A	RK 470K 1/6W J	C180	0B80082A	Jumper Wire 5mm
R302	0B09653A	RK 100 1/6W J	R408	0B09741A	RK 470K 1/6W J	C181	0B40077A	CE 47 16V
R303	0B09701A	RK 10K 1/6W J	R413,414	0B09741A	RK 470K 1/6W J	C182	0B41298A	CML 0.1 50V J
R304	0B09677A	RK 1K 1/6W J	R415,416	0B09741A	RK 470K 1/6W J	C183	0B40077A	CE 47 16V
R305	0B09717A	RK 47K 1/6W J	R417	0B09741A	RK 470K 1/6W J	C184	0B41298A	CML 0.1 50V J
R306,307	0B09695A	RK 5.6K 1/6W J	R418,419	0B09702A	RK 11K 1/6W J	C185	0B05557A	CML 0.015 50VJ
R308	0B09653A	RK 100 1/6W J	R420,421	0B09705A	RK 15K 1/6W J	C186	0B05653A	CML 1500P 50VJ
R309	0B09717A	RK 47K 1/6W J	R422	0B09747A	RK 820K 1/6W J	C187	0B05530A	CML 6800P 50VJ
R310	0B09701A	RK 10K 1/6W J	R423	0B09677A	RK 1K 1/6W J	C188	0B05796A	CML 0.047P 50VJ
R311	0B80082A	Jumper Wire 5mm	R424	0B09671A	RK 560 1/6W J	C189	0B40708A	CE 1 50V (LN)
R312	0B09677A	RK 1K 1/6W J	R425	0B09677A	RK 1K 1/6W J	C190	0B42668A	CML 100P 50V J
R313	0B09717A	RK 47K 1/6W J	R426	0B09671A	RK 560 1/6W J	C191	0B41874A	CC 27P 50V J
R314	0B09695A	RK 5.6K 1/6W J	R427	0B09702A	RK 11K 1/6W J	C192	0B05557A	CML 0.015 50VJ
R315	0B09653A	RK 100 1/6W J	R428	0B09705A	RK 15K 1/6W J	C193	0B05653A	CML 1500P 50VJ
R316	0B09717A	RK 47K 1/6W J	R429	0B09702A	RK 11K 1/6W J	C194	0B80082A	Jumper Wire 5mm
R317	0B09701A	RK 10K 1/6W J	R430	0B09705A	RK 15K 1/6W J	C195	0B05530A	CML 6800P 50VJ
R318	0B80082A	Jumper Wire 5mm	C101,102	0B47027A	CML 470P 50V J	C196	0B05796A	CML 0.047P 50VJ
R319	0B09677A	RK 1K 1/6W J	C103	0B47027A	CML 470P 50V J	C197	0B40708A	CE 1 50V (LN)
R321	0B09741A	RK 470K 1/6W J	C104	0B41298A	CML 0.1 50V J	C198	0B42668A	CML 100P 50V J
R322	0B09691A	RK 3.9K 1/6W J	C105	0B40077A	CE 47 16V	C199	0B41874A	CC 27P 50V J
R323	0B09682A	RK 1.6K 1/6W J	C106	0B41298A	CML 0.1 50V J	C200	0B80082A	Jumper Wire 5mm
R324	0B09676A	RK 910 1/6W J	C107,108	0B47027A	CML 470P 50V J	C201	0B41298A	CML 0.1 50V J
R325	0B09717A	RK 47K 1/6W J	C109,110	0B47027A	CML 470P 50V J	C202,203	0B42668A	CML 100P 50V J
R326	0B09701A	RK 10K 1/6W J	C111,112	0B47027A	CML 470P 50V J	C204	0B41298A	CML 0.1 50V J
R327	0B09653A	RK 100 1/6W J	C113,114	0B41298A	CML 0.1 50V J	C205	0B40077A	CE 47 16V
R328	0B09677A	RK 1K 1/6W J	C115	0B47027A	CML 470P 50V J	C206	0B41298A	CML 0.1 50V J
R330	0B09741A	RK 470K 1/6W J	C116	0B41298A	CML 0.1 50V J	C207	0B05557A	CML 0.015 50VJ
R331	0B09691A	RK 3.9K 1/6W J	C117,118	0B47027A	CML 470P 50V J	C208	0B05653A	CML 1500P 50VJ
R332	0B09682A	RK 1.6K 1/6W J	C119	0B41298A	CML 0.1 50V J	C209	0B05530A	CML 6800P 50VJ
R333	0B09676A	RK 910 1/6W J	C120	0B40077A	CE 47 16V	C210	0B05796A	CML 0.047P 50VJ
R334	0B09717A	RK 47K 1/6W J	C121,122	0B47027A	CML 470P 50V J	C211	0B40708A	CE 1 50V (LN)
R335	0B09701A	RK 10K 1/6W J	C123,124	0B47027A	CML 470P 50V J	C212	0B42668A	CML 100P 50V J
R336	0B09653A	RK 100 1/6W J	C125,126	0B47027A	CML 470P 50V J	C213	0B41874A	CC 27P 50V J
R337,338	0B09701A	RK 10K 1/6W J	C127	0B41298A	CML 0.1 50V J	C214	0B41298A	CML 0.1 50V J
R339,340	0B09701A	RK 10K 1/6W J	C128,129	0B40115A	CE 4.7 50V	C215,216	0B80082A	Jumper Wire 5mm
R341,342	0B09701A	RK 10K 1/6W J	C130	0B40115A	CE 4.7 50V	C217	0B40077A	CE 47 16V
R343,344	0B09701A	RK 10K 1/6W J	C131,132	0B41298A	CML 0.1 50V J	C218	0B41298A	CML 0.1 50V J
R345,346	0B09701A	RK 10K 1/6W J	C133	0B80082A	Jumper Wire 5mm	C219	0B40708A	CE 1 50V (LN)
R347,348	0B09701A	RK 10K 1/6W J	C134	0B41298A	CML 0.1 50V J	C220	0B05557A	CML 0.015 50VJ
R349,350	0B09701A	RK 10K 1/6W J	C135,136	0B80082A	Jumper Wire 5mm	C221	0B05653A	CML 1500P 50VJ
R351,352	0B09701A	RK 10K 1/6W J	C137	0B41298A	CML 0.1 50V J	C222	0B80082A	Jumper Wire 5mm
R353,354	0B09717A	RK 47K 1/6W J	C138,139	0B80082A	Jumper Wire 5mm	C223	0B05530A	CML 6800P 50VJ
R355	0B80082A	Jumper Wire 5mm (JPN)	C140	0B80082A	Jumper Wire 5mm	C224	0B05796A	CML 0.047P 50VJ
R356	0B80082A	Jumper Wire 5mm (Except JPN)	C141,142	0B41298A	CML 0.1 50V J	C225	0B40708A	CE 1 50V (LN)
			C143,144	0B41298A	CML 0.1 50V J	C226	0B42668A	CML 100P 50V J
R357,358	0B09685A	RK 2.2K 1/6W J	C145	0B40768A	CE 4.7 25V (LN)	C227	0B41874A	CC 27P 50V J
R359,360	0B09689A	RK 3.3K 1/6W J	C146	0B41302A	CML 0.22 50V J	C228	0B80082A	Jumper Wire 5mm
R361,362	0B09653A	RK 100 1/6W J	C147	0B05550A	CML 1000P 50VJ	C229	0B41298A	CML 0.1 50V J
R363,364	0B09677A	RK 1K 1/6W J (UK, AUS, EP)	C148	0B80082A	Jumper Wire 5mm	C230	0B40077A	CE 10 16V
R365,366	0B09677A	RK 1K 1/6W J (UK, AUS, EP)	C149	0B40077A	CE 47 16V	C231	0B05652A	CML 4700P 50VJ
			C150,151	0B41298A	CML 0.1 50V J	C233	0B40715A	CE 10 16V (LN)
R367	0B09677A	RK 1K 1/6W J (UK, AUS, EP)	C152	0B40077A	CE 47 50V	C234	0B80082A	Jumper Wire 5mm
			C153	0B40768A	CE 4.7 25V (LN)	C235,236	0B05796A	CML 0.047P 50VJ
			C154	0B41302A	CML 0.22 50V J	C237	0B41298A	CML 0.1 50V J
R368	0B09701A	RK 10K 1/6W J	C155	0B05550A	CML 1000P 50VJ	C238	0B80082A	Jumper Wire 5mm
R369	0B09677A	RK 1K 1/6W J	C156	0B80082A	Jumper Wire 5mm	C239,240	0B05796A	CML 0.047P 50VJ
R371,372	0B09701A	RK 10K 1/6W J	C157	0B40768A	CE 4.7 25V (LN)	C241,242	0B05796A	CML 0.047P 50VJ
R373,374	0B09725A	RK 100K 1/6W J	C158	0B80082A	Jumper Wire 5mm	C243	0B41298A	CML 0.1 50V J

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C244,245	0B05796A	CML 0.047P 50VJ	CN41	0B85509A	2P Connector Ass'y CN-41
C246,247	0B05796A	CML 0.047P 50VJ	CN42,43	0B85497A	1P Connector Ass'y CN-38/42/43
C248	0B41298A	CML 0.1 50V J			
C249	0B05582A	CML 0.022 50VJ	CN44	0B85520A	1-2P Connector A/40 (JPN, OTR, USA, CAN, CH, DA, HK, KR, ML, TW)
C250	0B05796A	CML 0.047P 50VJ			
C251,252	0B40715A	CE 10 16V (LN)	CP6	0B81465A	8P T-Post
C253,254	0B40715A	CE 10 16V (LN)	CP15	0B81462A	5P T-Post
C255,256	0B40715A	CE 10 16V (LN)	G101,102	0B80673A	Earth Terminal
C257	0B40074A	CE 10 16V	PJ101	0B85450A	6P Pin Jack AU W R (JPN, OTR, USA, CAN, CH, DA, HK, KR, ML, TW)
C258	0B42668A	CML 100P 50V J			
C259	0B40074A	CE 10 16V		0B85545A	Pin Jack 6P AU W R (UK, AUS, EP)
C260	0B41298A	CML 0.1 50V J			
C261	0B40074A	CE 10 16V	PJ102	0B85450A	6P Pin Jack AU W R (JPN, OTR, USA, CAN, CH, DA, HK, KR, ML, TW)
C262	0B42668A	CML 100P 50V J			
C263	0B40074A	CE 10 16V		0B85545A	Pin Jack 6P AU W R (UK, AUS, EP)
C264	0B41298A	CML 0.1 50V J			
C265,266	0B40769A	CE 220 16V (LN)		0B85545A	Pin Jack 6P AU W R (UK, AUS, EP)
C267	0B40081A	CE 470 16V	PJ103	0B85450A	6P Pin Jack AU W R (JPN, OTR, USA, CAN, CH, DA, HK, KR, ML, TW)
C268	0B40112A	CE 1 50V			
C269	0B42668A	CML 100P 50V J		0B85545A	Pin Jack 6P AU W R (UK, AUS, EP)
C270	0B40074A	CE 10 16V			
C271	0B40112A	CE 1 50V	PJ104	0B85450A	6P Pin Jack AU W R (JPN, OTR, USA, CAN, CH, DA, HK, KR, ML, TW)
C272	0B42668A	CML 100P 50V J		0B85545A	Pin Jack 6P AU W R (UK, AUS, EP)
C273	0B40074A	CE 10 16V			
C274	0B40115A	CE 4.7 50V		0B85545A	Pin Jack 6P AU W R (UK, AUS, EP)
C275	0B41298A	CML 0.1 50V J			
C276	0B40115A	CE 4.7 50V	PJ105	0B85449A	4P Pin Jack AU W R (JPN, OTR, USA, CAN, CH, DA, HK, KR, ML, TW)
C277,278	0B05652A	CML 4700P 50VJ		0B85546A	Pin Jack 4P AU W R (UK, AUS, EP)
C279,280	0B05550A	CML 1000P 50VJ			
C281	0B47117A	CC 0.1 50V Z	TU101	BG09939A	Tuner Pack (JPN)
C282	0B40074A	CE 10 16V		BG09946A	Tuner Pack (Except JPN)
C283	0B40074A	CE 10 16V (UK, AUS, EP)			
C284	0B47117A	CC 0.1 50V Z (UK, AUS, EP)			
C286,287	0B41708A	CC 22P 50V J (UK, AUS, EP)			
C288	0B47117A	CC 0.1 50V Z (UK, AUS, EP)			
C289	0B47117A	CC 0.1 50V Z			
C290	0B40078A	CE 100 16V			
C291,292	0B47117A	CC 0.1 50V Z			
C293,294	0B47117A	CC 0.1 50V Z			
C295,296	0B47117A	CC 0.1 50V Z			
C297	0B47117A	CC 0.1 50V Z			
C298	0B41298A	CML 0.1 50V J			
C299	0B40078A	CE 100 16V			
C300	0B41302A	CML 0.22 50V J			
C301,302	0B40078A	CE 100 16V			
C303,304	0B41298A	CML 0.1 50V J			
C305,306	0B42668A	CML 100P 50V J			
C307,308	0B41944A	CC 1000P 50V K			
C309	0B41944A	CC 1000P 50V K			
C310,311	0B47027A	CML 470P 50V J (UK, AUS, EP)			
C312,313	0B47027A	CML 470P 50V J (UK, AUS, EP)			
C314,315	0B47027A	CML 470P 50V J (UK, AUS, EP)			
C316,317	0B47027A	CML 470P 50V J (UK, AUS, EP)			
ANT101	0B84964A	Antenna Terminal			
CN8	0B85408A	3P Connector Ass'y CN-8			
CN9	0B85409A	3P Connector Ass'y CN-9			
CN10	0B85410A	11P Connector Ass'y CN-10			
CN11	0B85411A	10P Connector Ass'y CN-11			
CN12	0B85412A	7P Connector Ass'y CN-12			
CN33	0B85494A	2P Connector Ass'y CN-33			
CN39	0B85498A	1P Connector Ass'y CN-39			

3. IC BLOCK DIAGRAMS

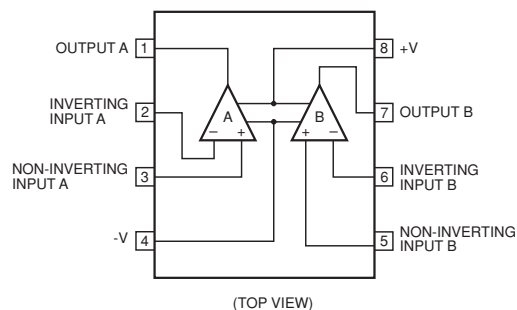


Fig. 3.1 Operational Amp. NJM2100M, 2114, 4556, 4558D, 4570C

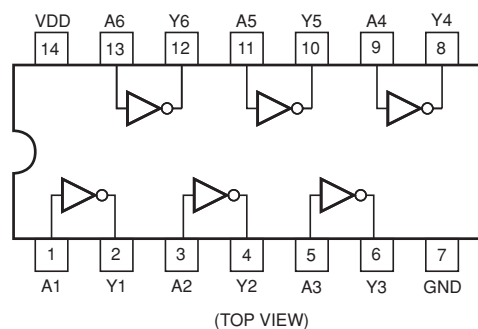


Fig. 3.2 Inverter TC74HCU04AF (U801, 823, 824, 830)/ TC4069UBP (U913, 916)

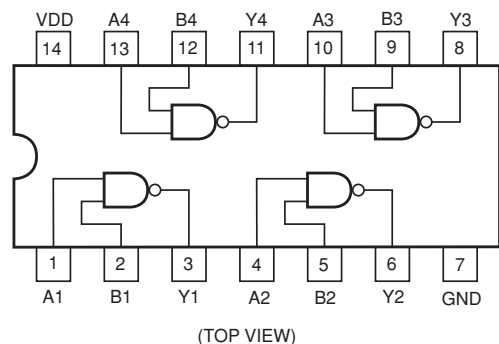


Fig. 3.3 NAND Gate TC74HC08AF (U827-829)

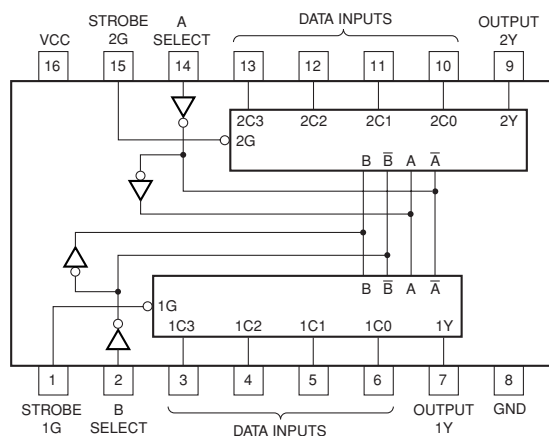


Fig. 3.4 Selector TC74VHC153AF (U810)

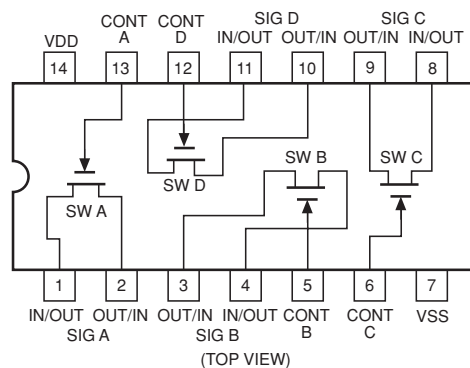


Fig. 3.5 Analog Switch TC4066BP (U134)

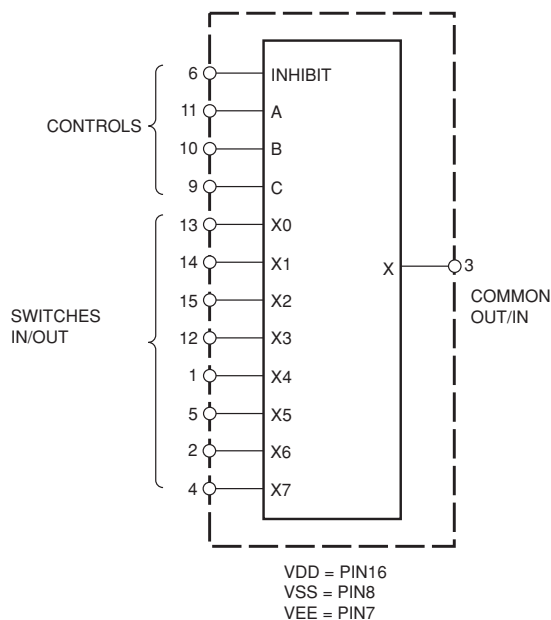


Fig. 3.6 Selector TC4051BP (U902-907)

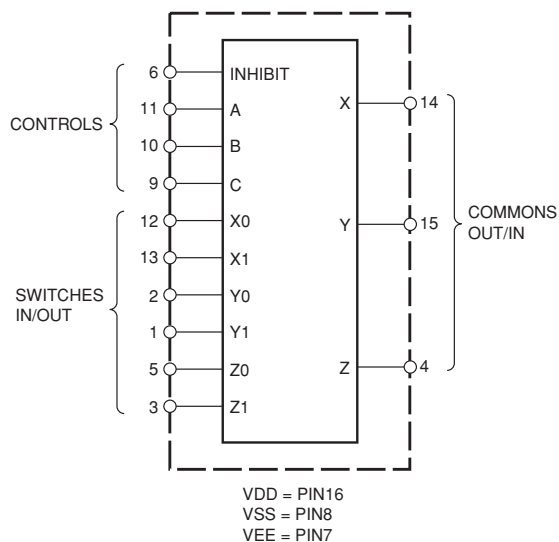


Fig. 3.7 Selector TC4053BP (U911)

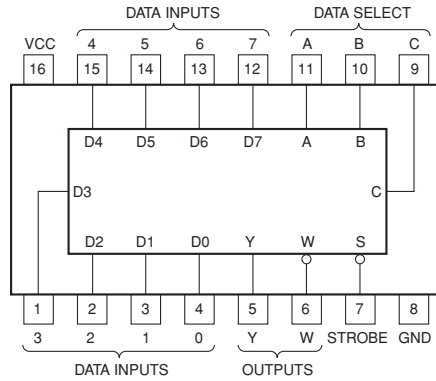


Fig. 3.8 Selector TC74HC151AF (U802)

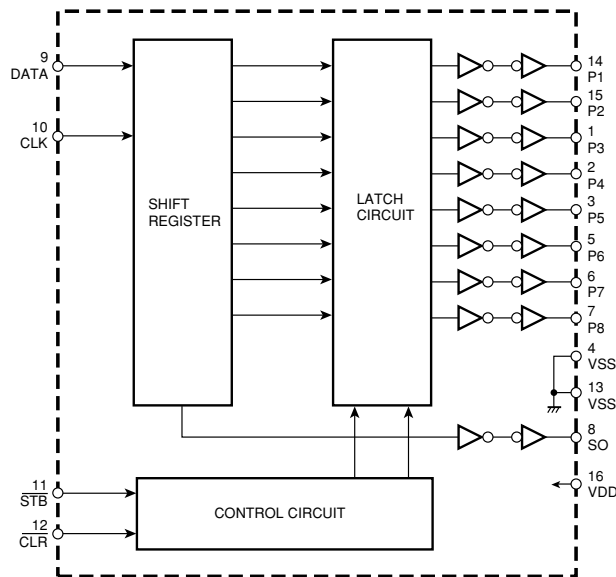


Fig. 3.9 8-bit Serial-to-parallel Converter NJU3712M

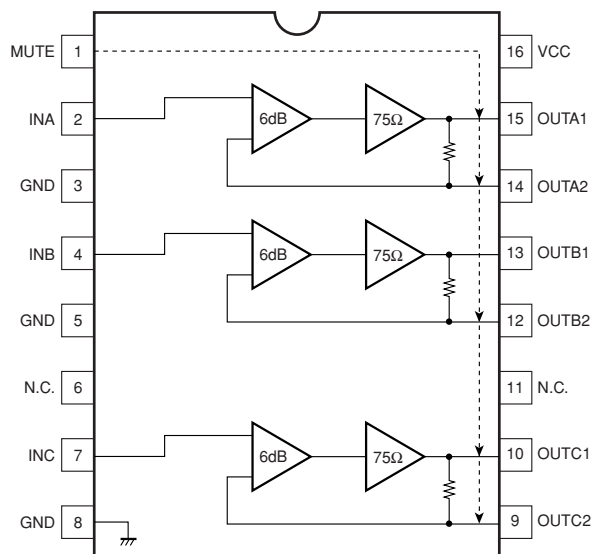


Fig. 3.10 75Ω Driver BA7660FS (U908-910, 912)

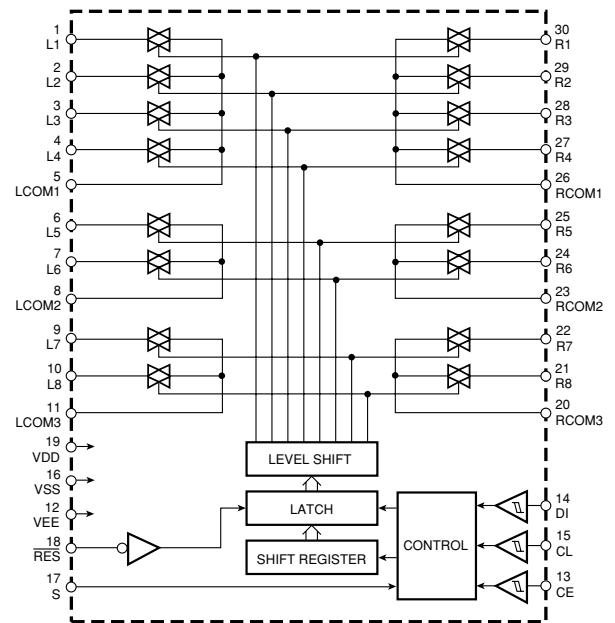


Fig. 3.11 Function Switch LC78211 (U107, 108)

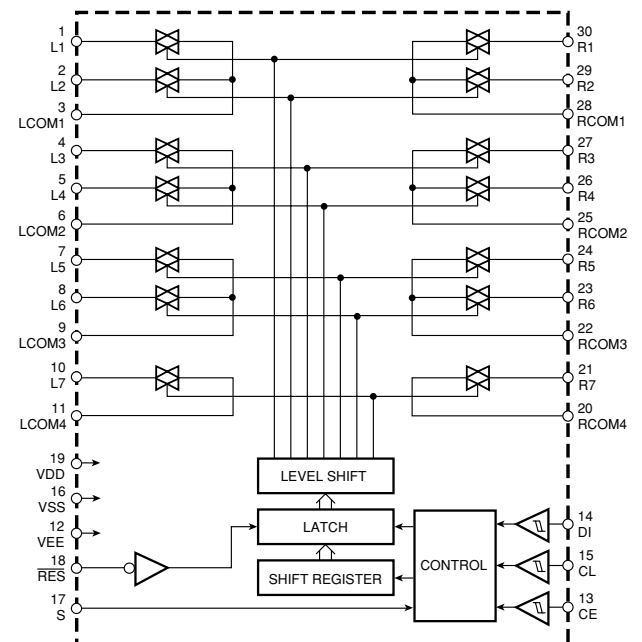


Fig. 3.12 Function Switch LC78213 (U109)

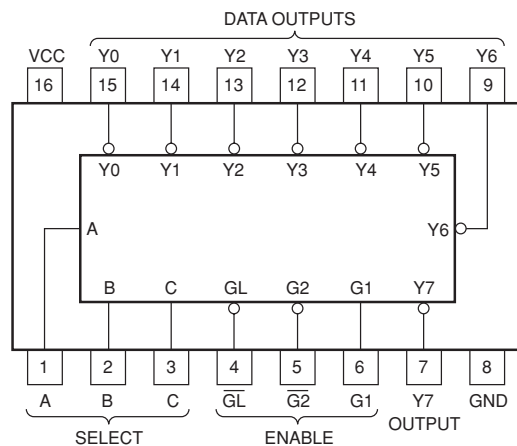


Fig. 3.13 Decoder HD74HC137FP (U814, 815)

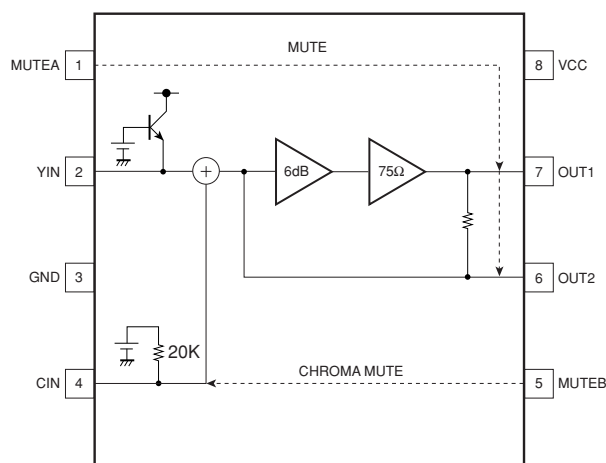


Fig. 3.14 75Ω Driver (Y/C Mixing Type) BA7664FV (U901)

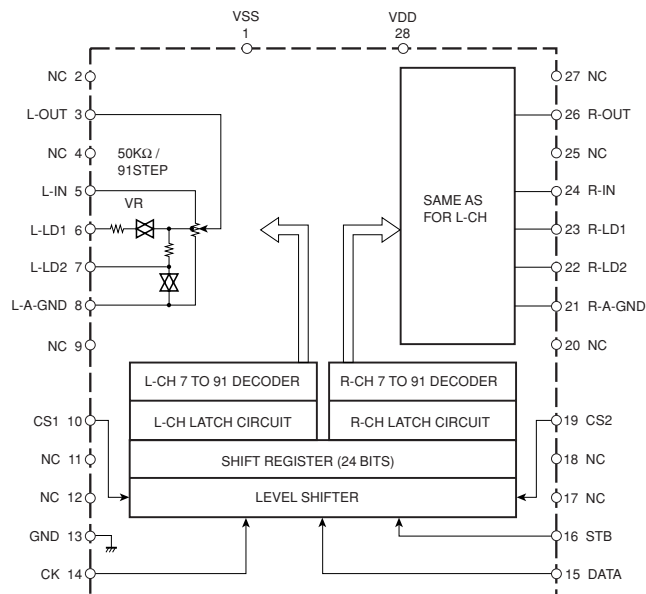
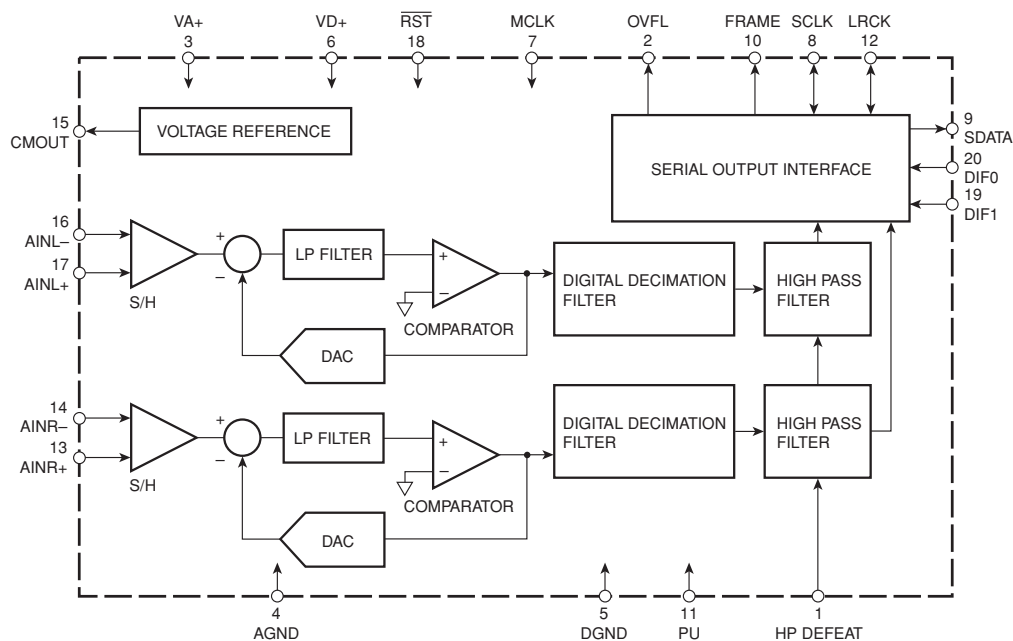


Fig. 3.15 Electronic Volume TC9459N (U118, 119, 120)

Fig. 3.16 Δ - Σ Audio A/D Converter CS5360-KS (U804)

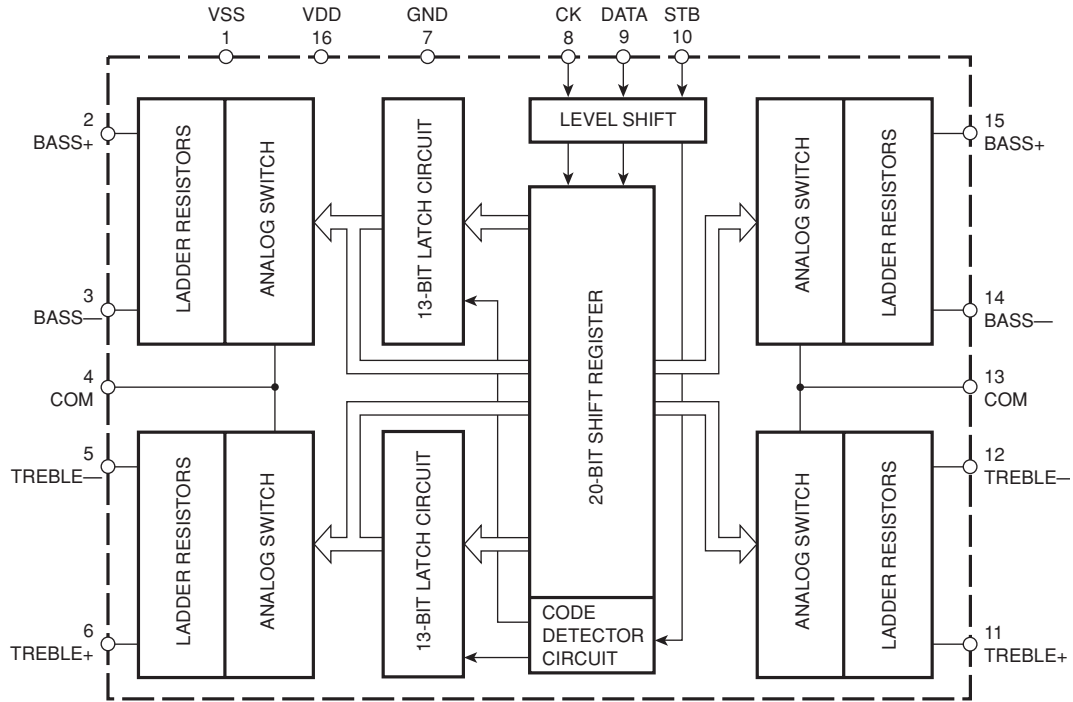


Fig. 3.17 Electronic Tone Controller TC9184AP (U121, 122)

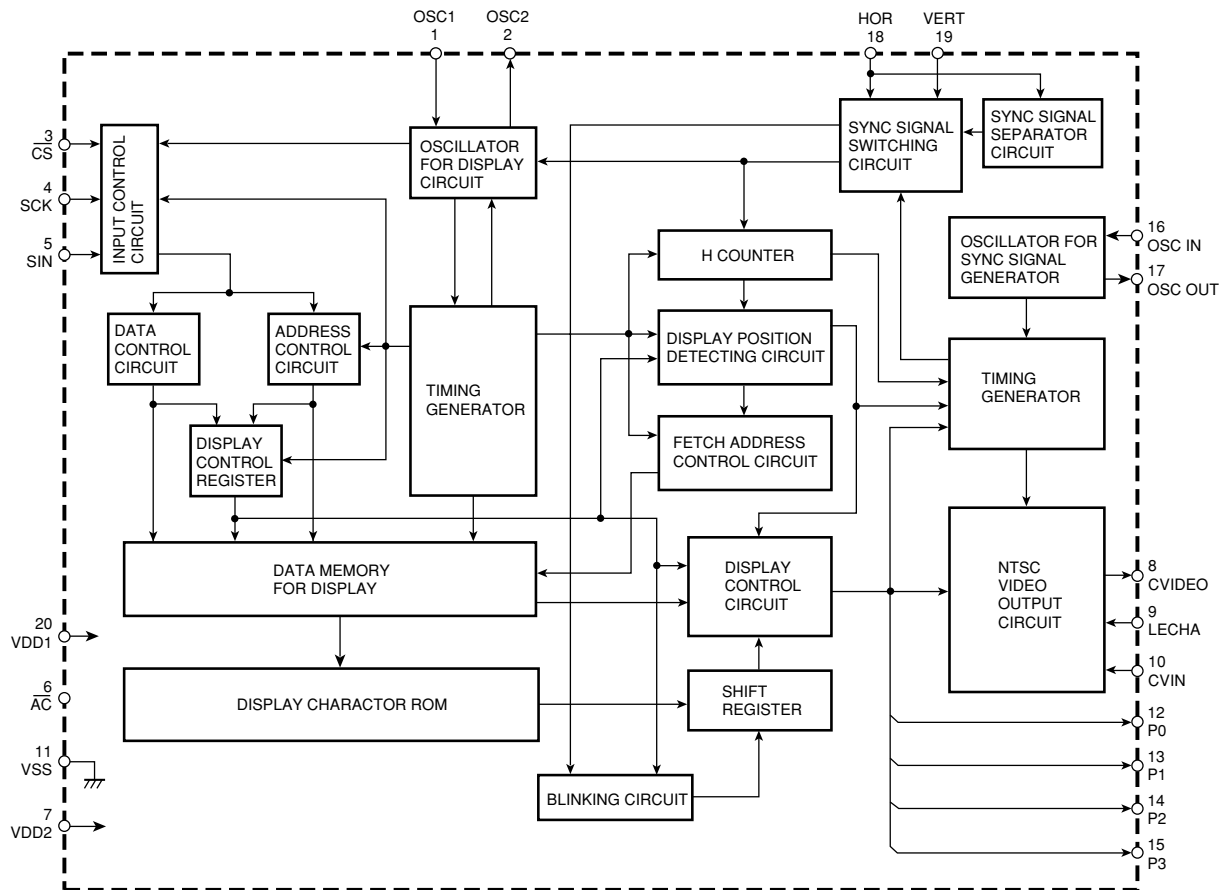


Fig. 3.18 Character/Pattern Display Controller M35013-001(U915)

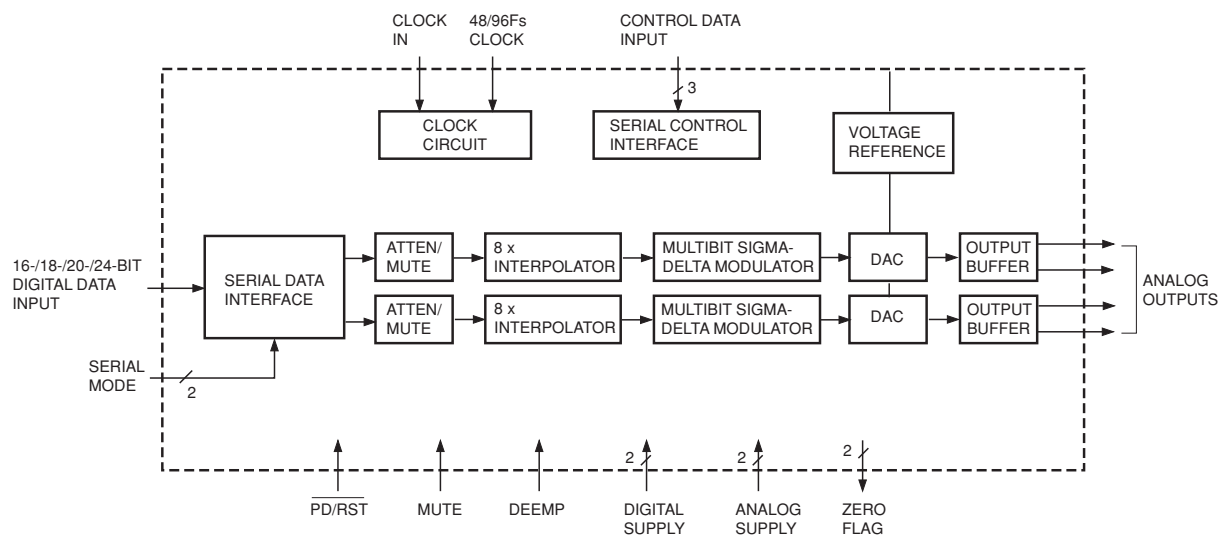


Fig. 3.19 A/D Converter AD1855 (U807-809)

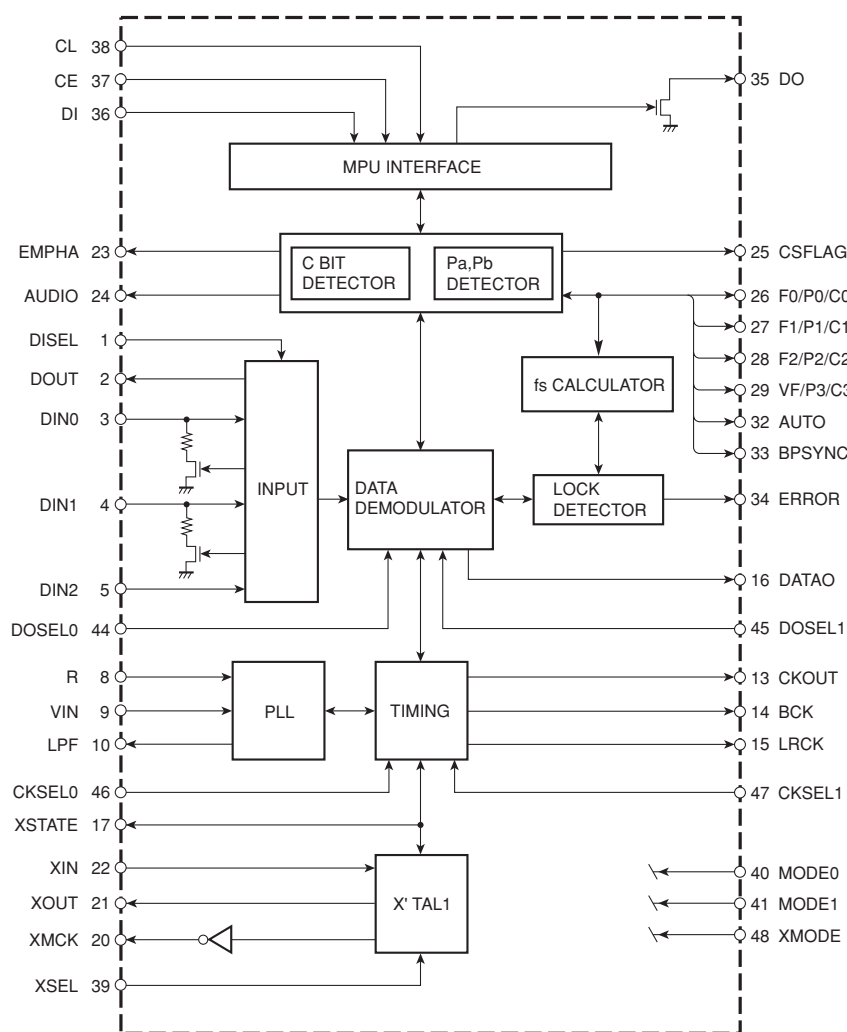


Fig. 3.20 Digital audio interface receiver LC89055W (U803)

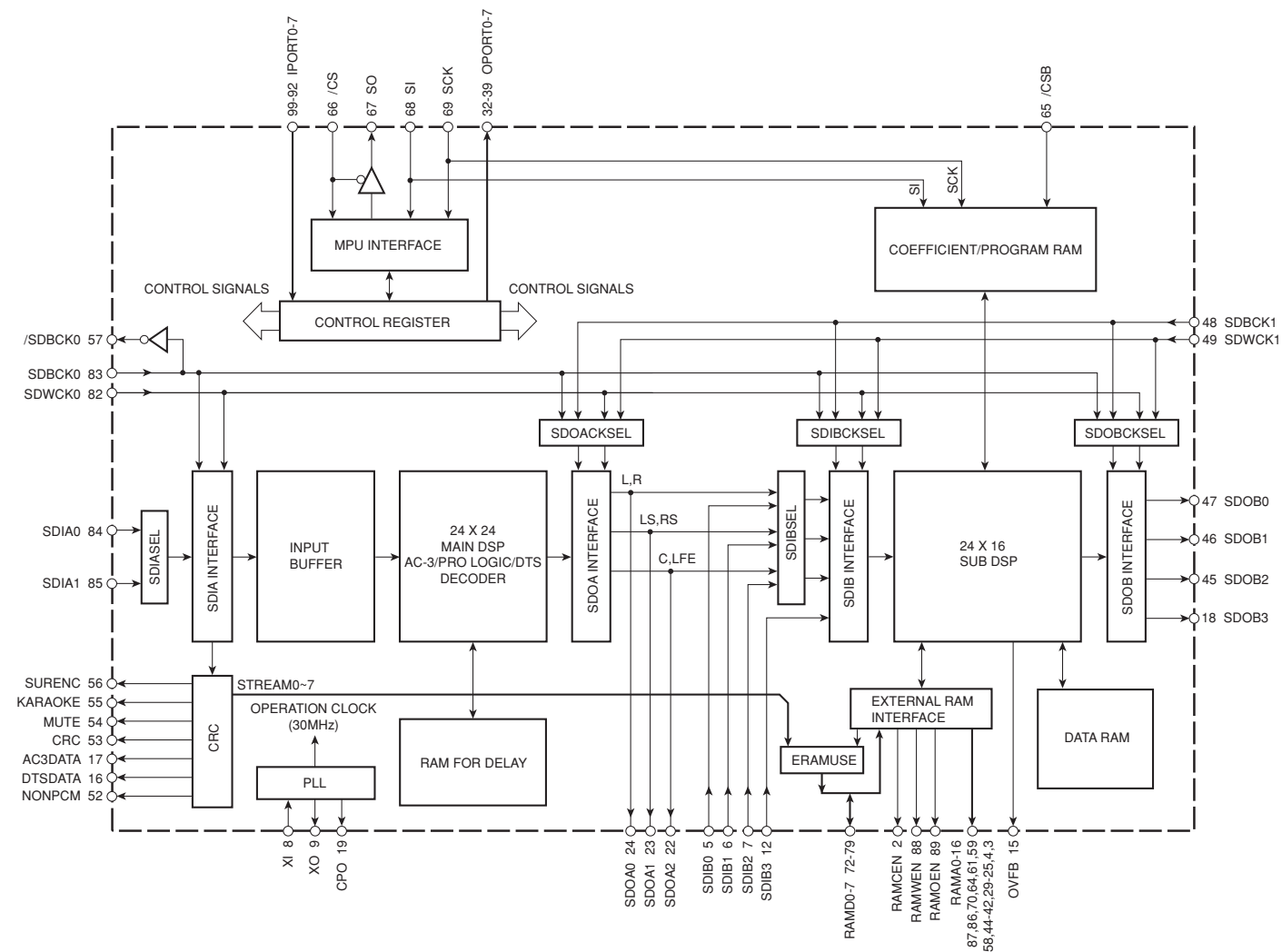


Fig. 3.21 Dolby Digital (AC3)/Prologic/DTS Decoder & Programmable DSP YSS912 (U805)

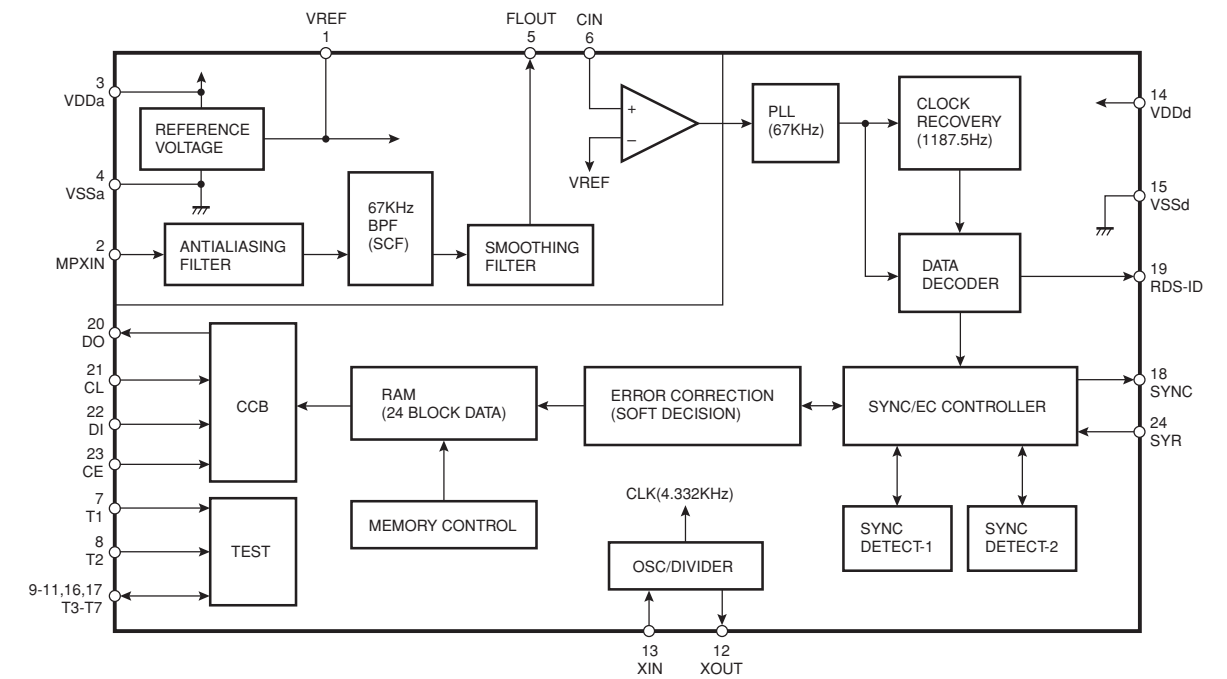
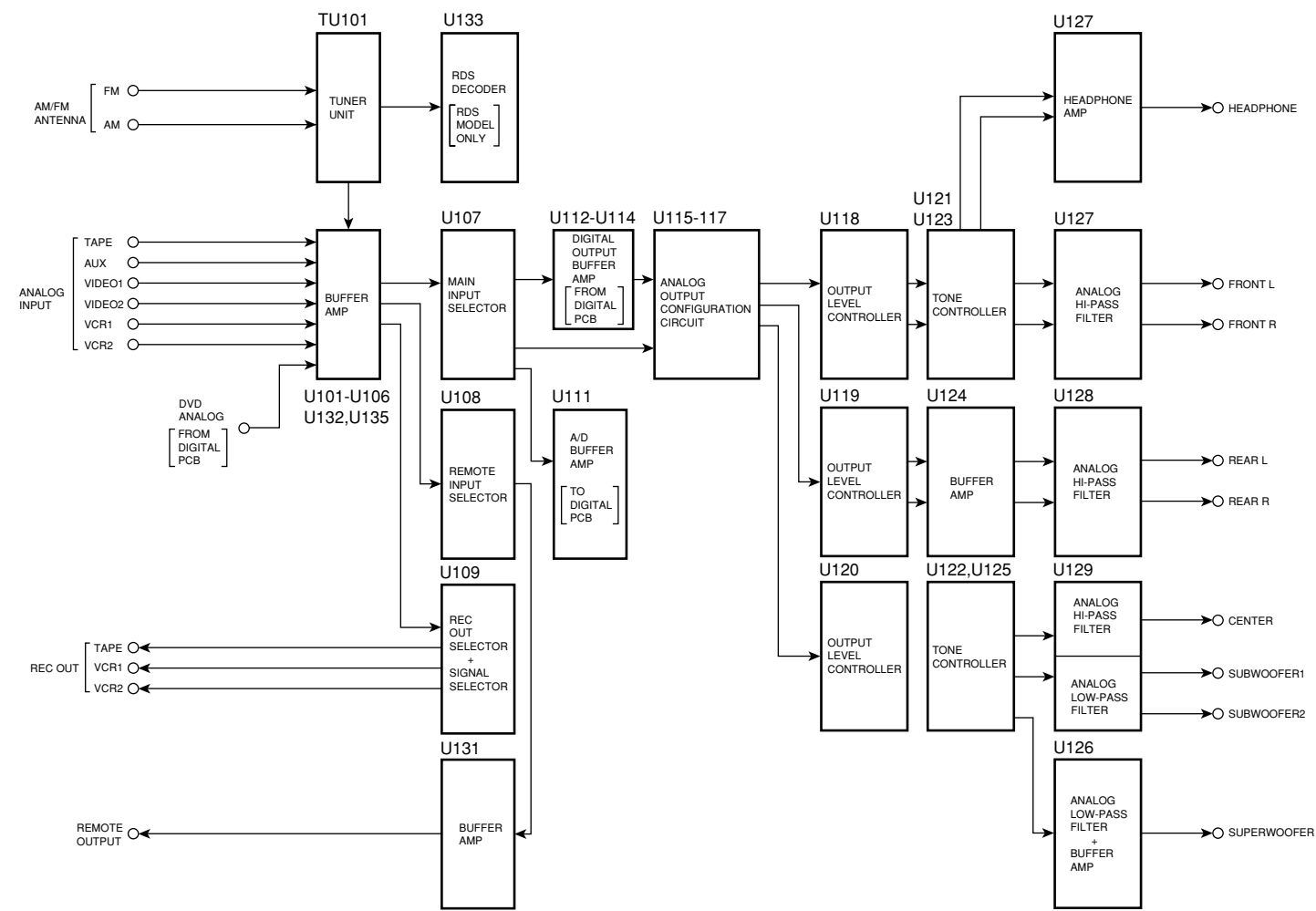


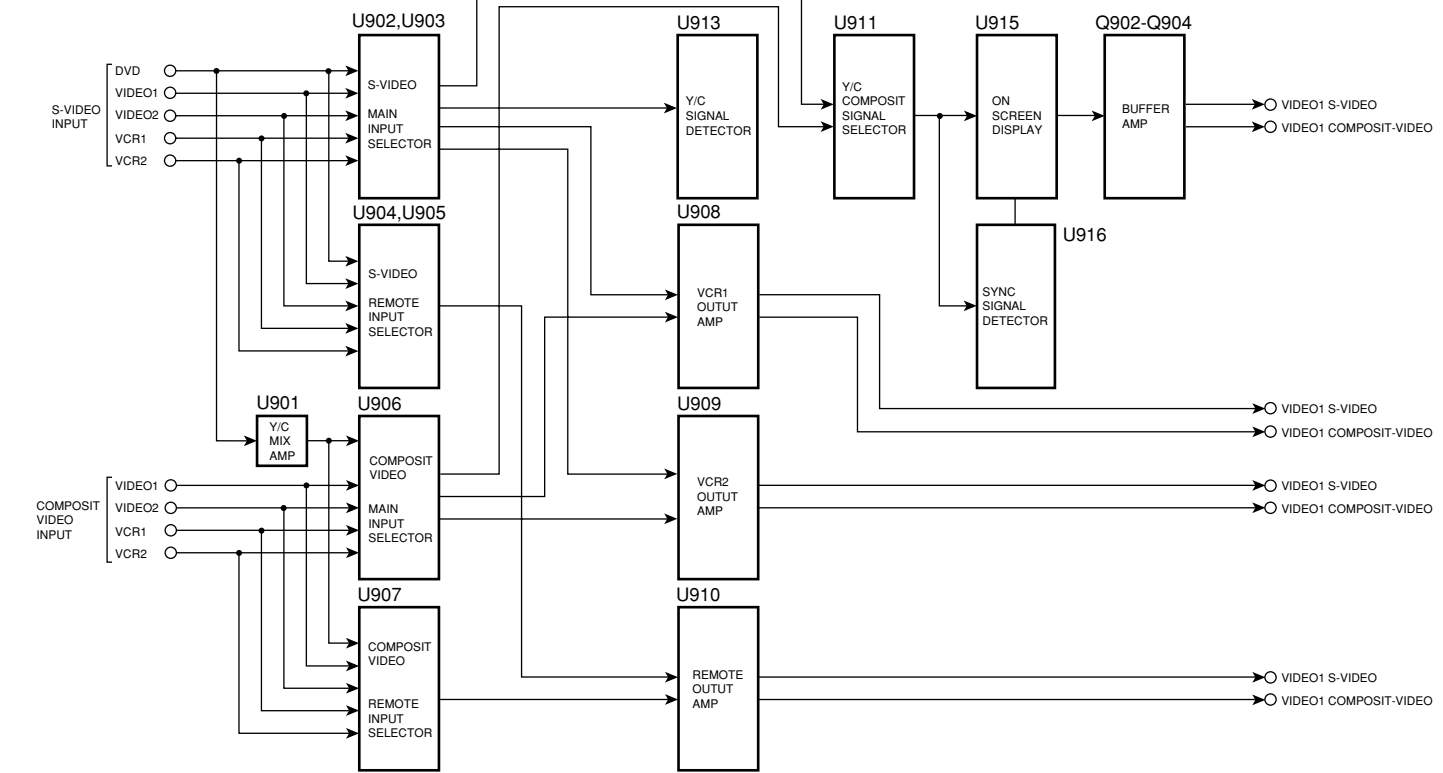
Fig. 3.22 RDS Controller LC72722PM (U133)

4. BLOCK DIAGRAMS

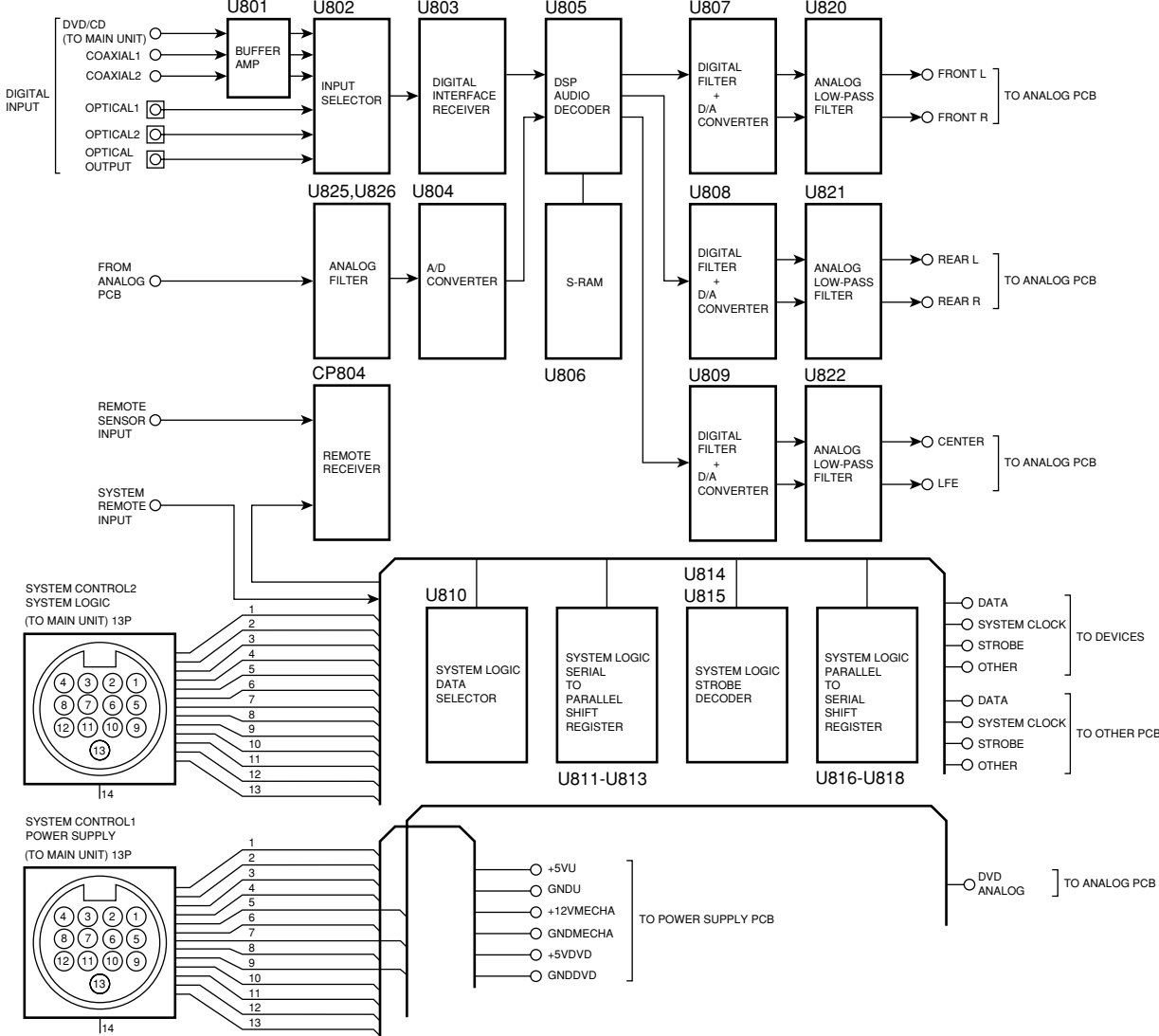
ANALOG PART (ANALOG P.C.B.)



VIDEO PART (VIDEO P.C.B.)



DIGITAL PART (DIGITAL P.C.B.)



POWER SUPPLY PART (POWER SUPPLY P.C.B.)

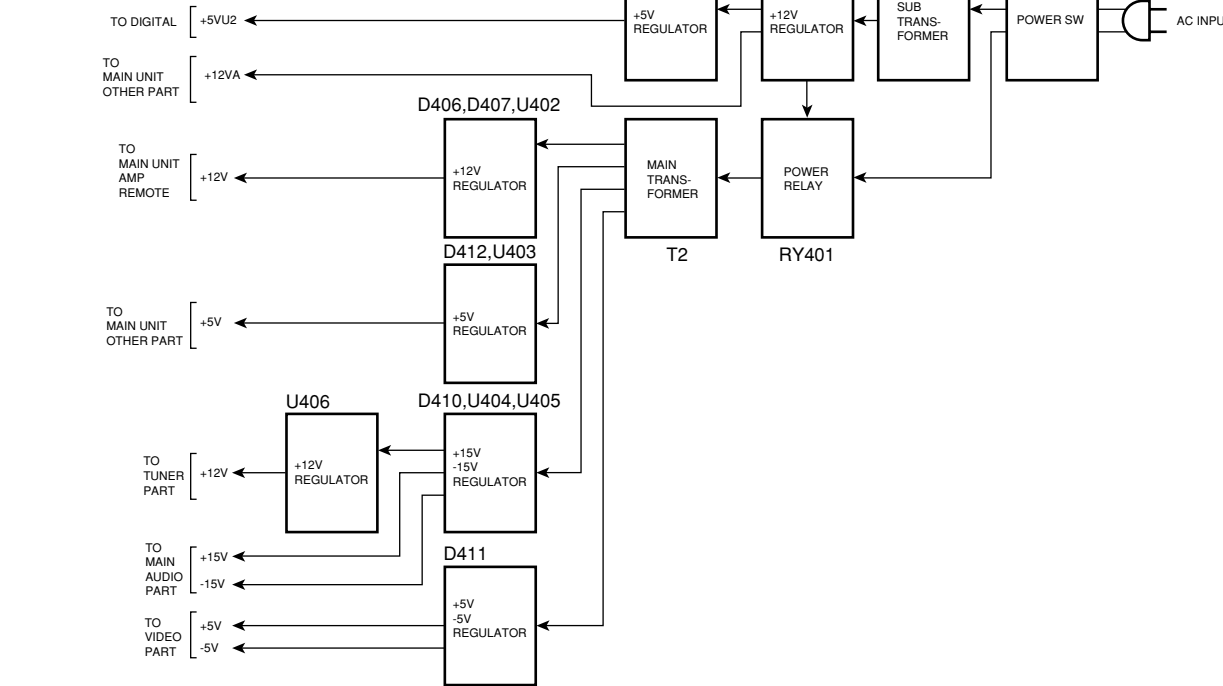
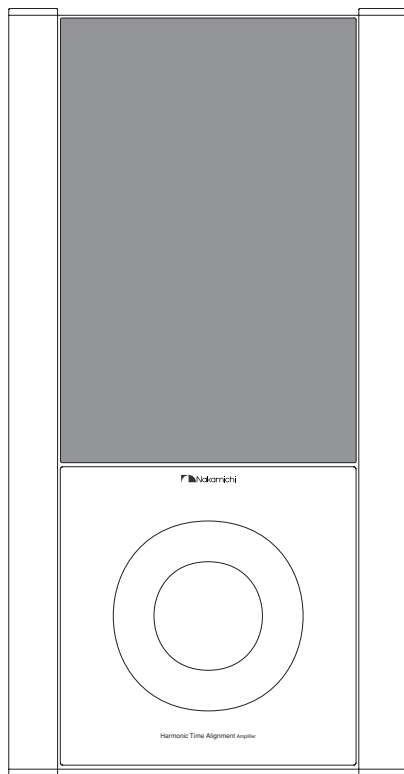


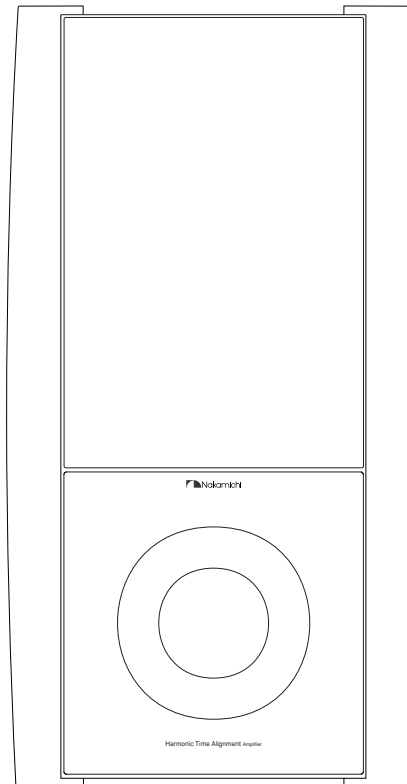
Fig. 4

Subwoofer

Subwoofer Section [SS-10/11/21]



[SS-10/11]



[SS-21]

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1. ELECTRICAL ADJUSTMENTS

1.1. Parts Location for Electrical Adjustment (Subwoofer L/R Unit)

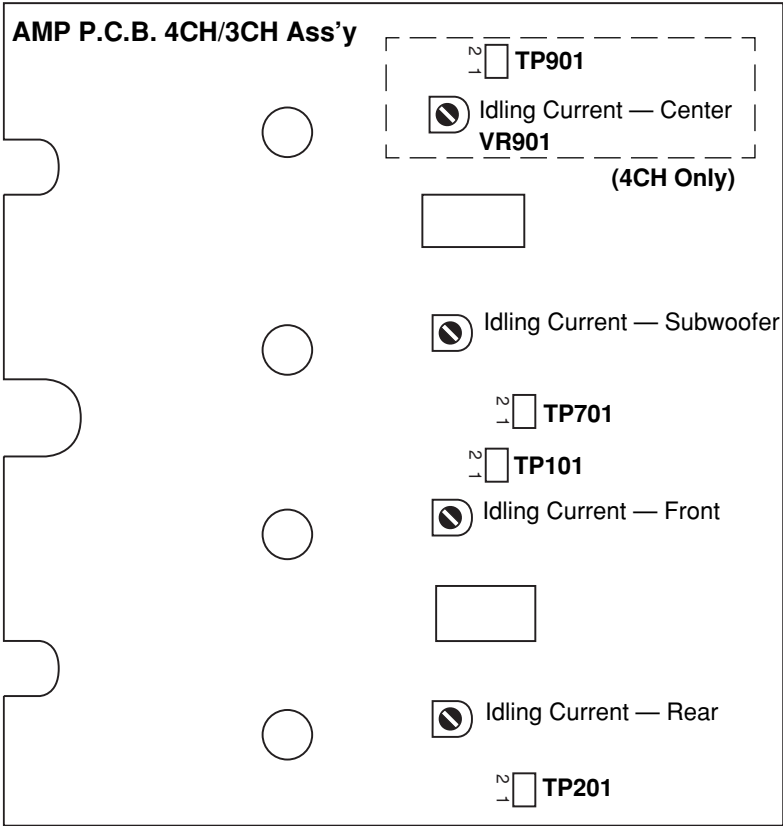


Fig. 1.1

1.2. Adjustment Procedure (Subwoofer L/R Unit)

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	ADJUST-	REMARKS MENT
1	Preparation				1. Insert shorting plugs into input jacks (Front L/R, Center, Rear L/R) on the Subwoofer L/R unit. 2. Remove the PA Chassis. 3. Turn ON the power of the Subwoofer L/R unit and allow 15 minutes before starting adjustment.
2	Idling Current Adjustment		DC Milli-voltmeter between pins of Test Point	VR101 (Front)	1. Connect the DC milli-voltmeter between pins of TP101. 2. Adjust VR101 to obtain $4.4 \pm 1 \text{ mV}$ on the DC milli-voltmeter.
				VR201 (Rear)	1. Connect the DC milli-voltmeter between pins of TP201. 2. Adjust VR201 to obtain $4.4 \pm 1 \text{ mV}$ on the DC milli-voltmeter.
				VR901 (Center)	(AMP P.C.B. 4CH Ass'y Only) 1. Connect the DC milli-voltmeter between pins of TP901. 2. Adjust VR901 to obtain $4.4 \pm 1 \text{ mV}$ on the DC milli-voltmeter.
				VR701 (Subwoofer)	1. Connect the DC milli-voltmeter between pins of TP701. 2. Adjust VR701 to obtain $4.4 \pm 1 \text{ mV}$ on the DC milli-voltmeter.

2. MECHANISM ASS'Y AND PARTS LIST

2.1. Subwoofer Synthesis
2.1.1. Subwoofer Synthesis [SS-10/11]

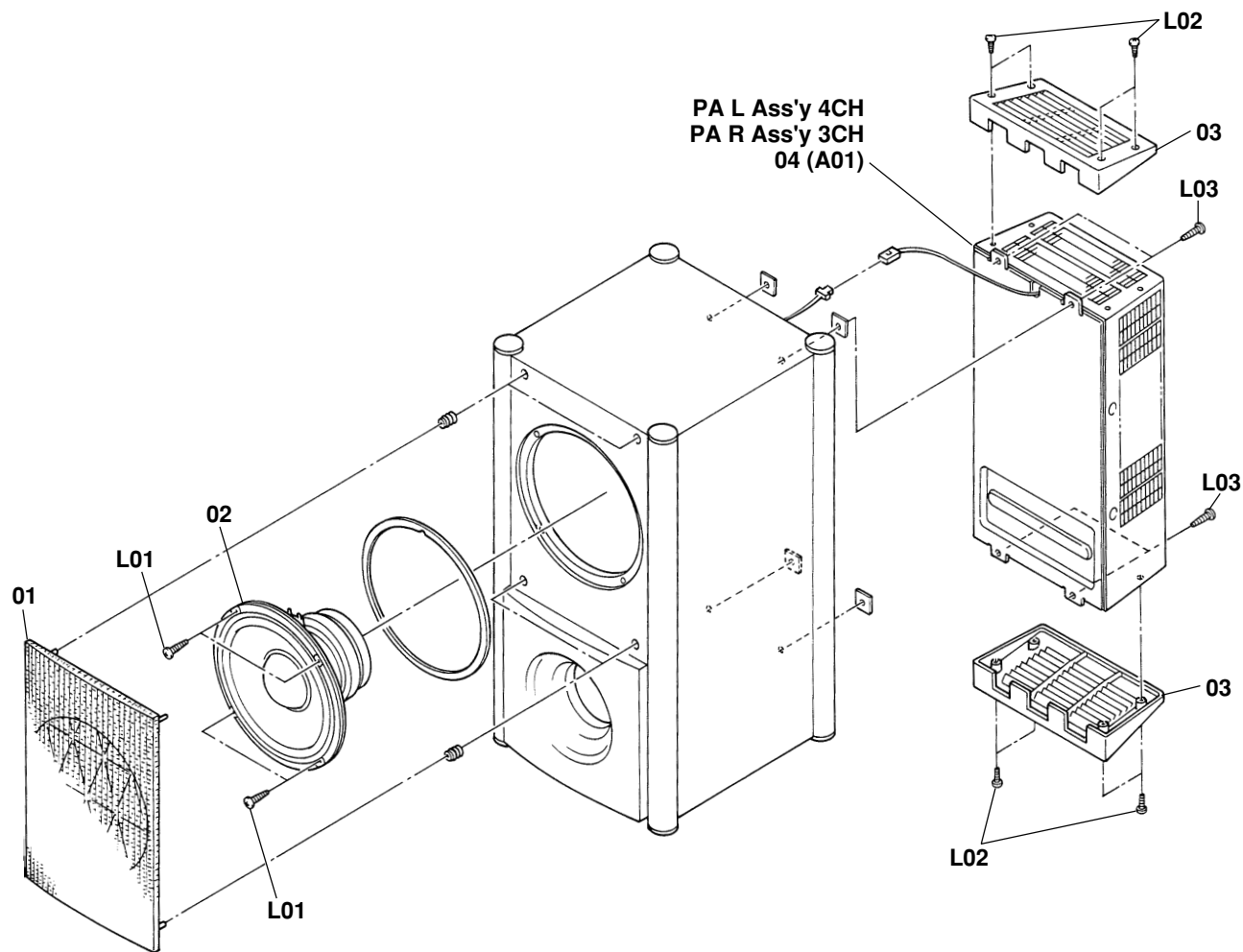


Fig. 2.1.1 SS-10/11

2.1.1. Subwoofer Synthesis (For Front L/R and Rear L/R) [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
—	—	Subwoofer Synthesis (For Front L/R and Rear L/R) [SS-10/11]	
01	CB00628A	Grille GRY Ass'y Woofer	1
02	CB00627A	Sub Woofer Speaker S800L05	1
03	0H08368E	Power Amp. Cover	2
04	—	PA L Ass'y 4CH	1
	—	PA R Ass'y 3CH	1
—	CB00634A	Cord Ass'y Woofer	1
L01	2E00103A	PT Screw 4x16	
L02	0E03281A	ST3x8 + Binding (Black)	
L03	0E04141A	4x6 + Pan Tapping	

2.1.2. Subwoofer Synthesis [SS-21]

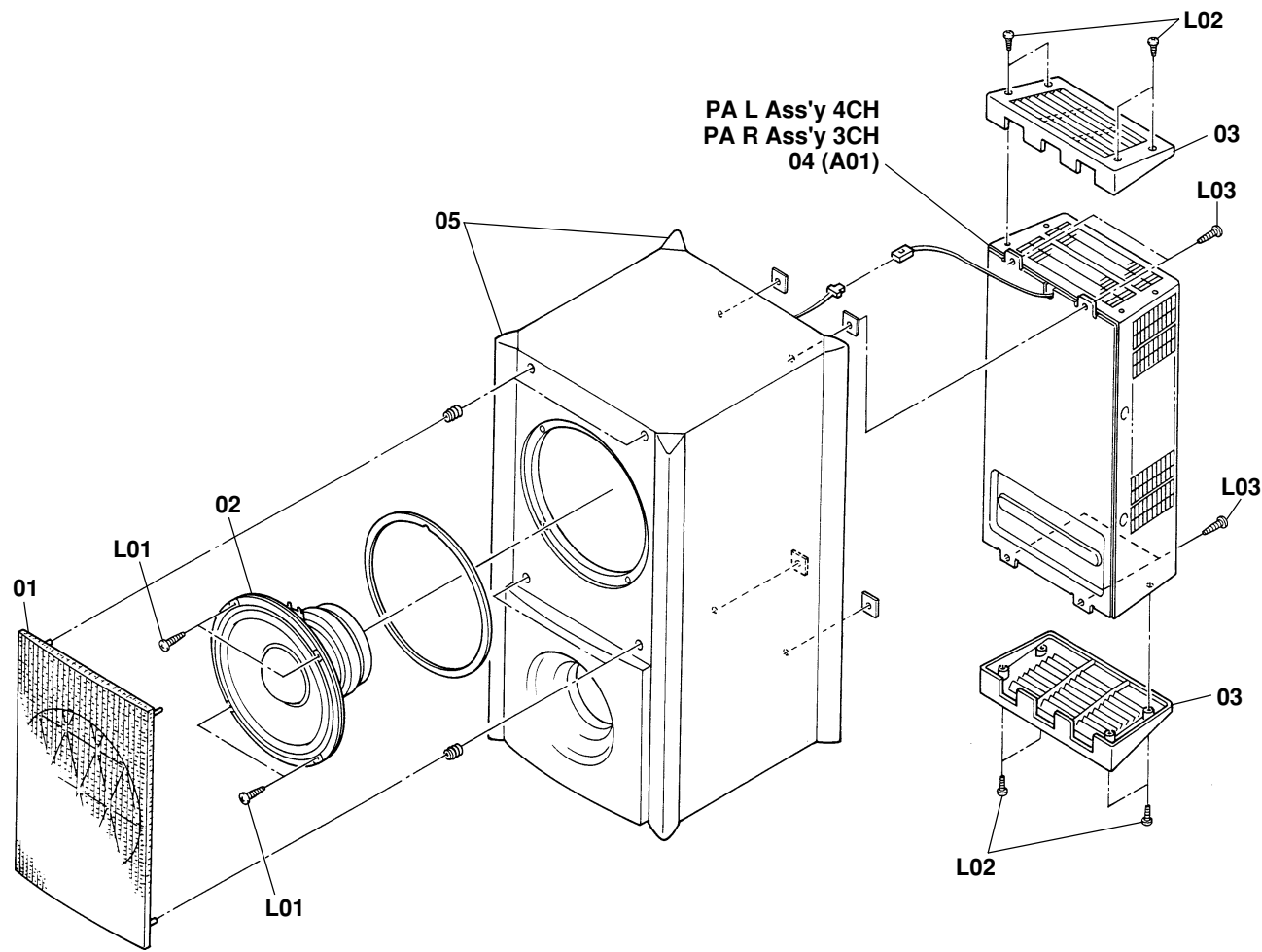


Fig. 2.1.2 SS-21

2.1.2. Subwoofer Synthesis (For Front L/R and Rear L/R) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
—	—	Subwoofer Synthesis (For Front L/R and Rear L/R) [SS-21]	
01	CB00628A	Grill GRY Ass'y Woofer	1
02	CB00627A	Sub Woofer Speaker S800L05	1
03	0H08368E	Power Amp. Cover	2
04	—	PA R Ass'y 3CH	1
	—	PA L Ass'y 4CH	1
05	0H08506D	Wood Pole Woofer	4
—	CB00634A	Cord Ass'y Woofer	1
L01	2E00103A	PT Screw 4x16	
L02	0E03281A	ST3x8 + Binding (Black)	
L03	0E04141A	4x6 + Pan Tapping	

2.2. PA L Ass'y 4CH/PA R Ass'y 3CH (A01)
2.2.1. PA L Ass'y 4CH/PA R Ass'y 3CH (A01) [SS-10/11]

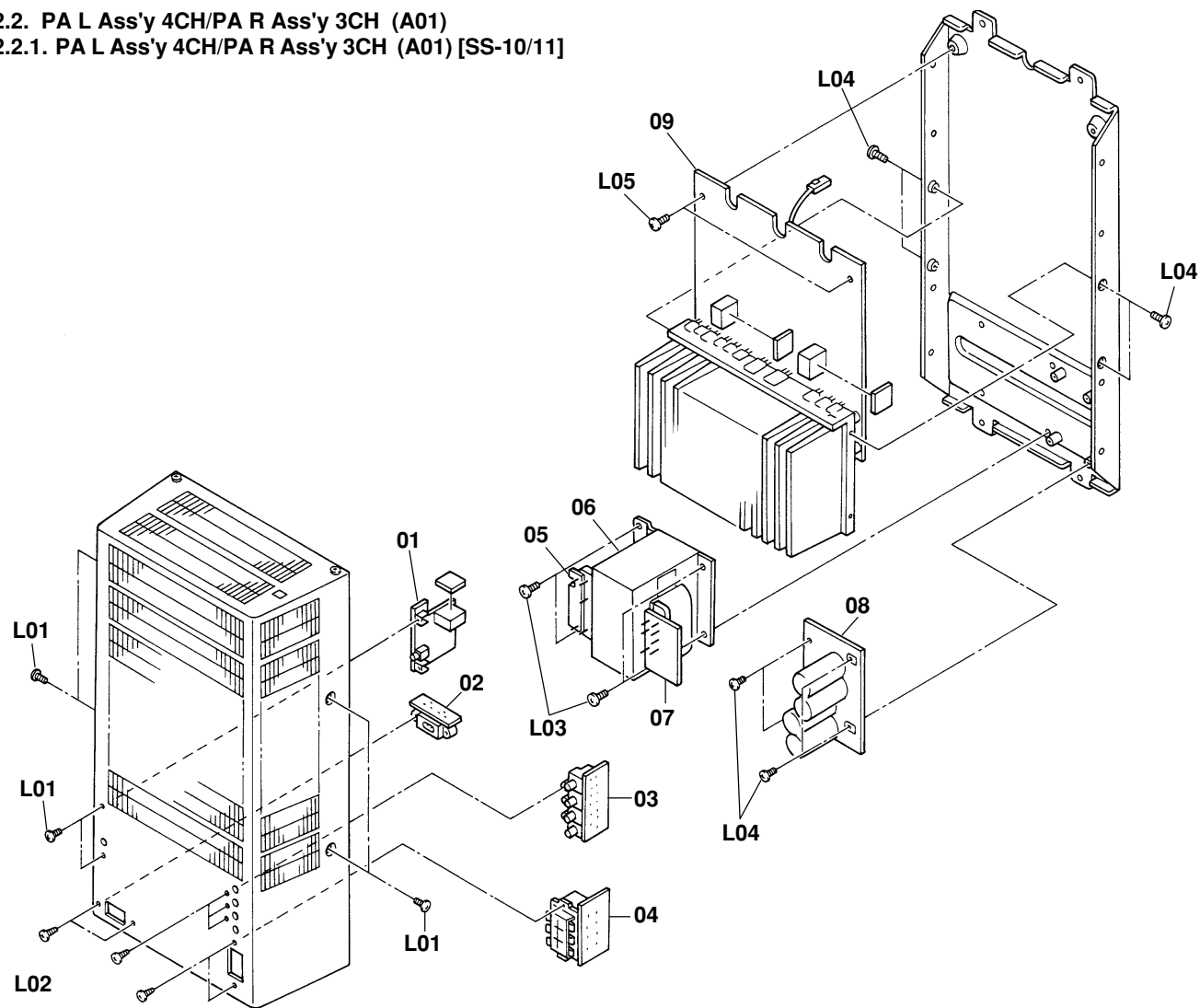


Fig. 2.2.1 SS-10/11

2.2.1.1. PA L Ass'y 4CH (A01) [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
A01	—	PA L Ass'y 4CH [SS-10/11]	1
01	BA10206A	REM P.C.B. Ass'y (Except JPN)	1
	BA10125A	REM P.C.B. Ass'y (JPN)	1
02	BA10193A	Inlet P.C.B. Ass'y (Except USA, CAN)	1
	BA10204A	Inlet P.C.B. Ass'y (USA, CAN)	1
03	BA10127A	Input L P.C.B. Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10218A	Input L P.C.B. Ass'y (JPN, OTR, DA, TW, USA, CAN)	1
04	BA10124A	SP 6P P.C.B. Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10217A	SP 6P P.C.B. Ass'y (JPN, OTR, DA, TW, USA, CAN)	1
05	BA10128A	T.PRI P.C.B. Ass'y (Except JPN, USA, CAN)	1
	BA10205A	T.PRI P.C.B. Ass'y (JPN, USA, CAN)	1
06	0B50338A	Power Transformer (JPN)	1
	0B50339A	Power Transformer (OTR, DA)	1
	0B50340A	Power Transformer (UK, CH, HK, KR, EP, AUS, ML)	1
	0B50341A	Power Transformer (TW, USA, CAN)	1
07	BA10129A	T.SEC P.C.B. Ass'y	1
08	BA10122A	PS P.C.B. Ass'y	1
09	BA10121A	AMP P.C.B. 4CH Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10214A	AMP P.C.B. 4CH Ass'y (JPN, OTR, DA, TW, USA, CAN)	1
—	BA10130A	V.SEL P.C.B. Ass'y (OTR, DA, TW)	1
—	0B10199A	TR 2SC3421 [Q105, Q205, Q705, Q905]	1
—	0B12915A	TR 2SD2495 [Q107, Q207, Q907]	1
—	0B12914A	TR 2SB1626 [Q108, Q208, Q908]	1
—	0B12859A	TR 2SD2386 [Q707]	1
—	0B12861A	TR 2SB1557 [Q708]	1
—	0B85478A	1P Wire 1	1
—	0B85479A	1P Wire 2	1
—	0B85480A	1P Wire 3	1
—	0B85481A	1P Wire 4	1
—	0B85515A	1P Wire 5 (OTR, DA, TW)	1
—	0B85516A	1P Wire 6 (OTR, DA, TW)	1
—	0E00071A	Fiber Washer 3mm 0.5 T	1
L01	0E03281A	ST3x8 + Binding (Black)	1
L02	0E03749A	PT3x8 + Binding (Black)	1
L03	0E03438A	ST4x6 + Binding	1
L04	0E00964A	M3x5 + Binding	1
L05	0E00877A	ST3x5 + Binding	1

2.2.1.2. PA R Ass'y 3CH (A01) [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
A01	—	PA R Ass'y 3CH [SS-10/11]	1
01	BA10125A	REM P.C.B. Ass'y (JPN)	1
	BA10206A	REM P.C.B. Ass'y (Except JPN)	1
02	BA10193A	Inlet P.C.B. Ass'y (Except USA, CAN)	1
	BA10204A	Inlet P.C.B. Ass'y (USA, CAN)	1
03	BA10126A	Input R P.C.B. Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10219A	Input R P.C.B. Ass'y (JPN, OTR, DA, TW, USA, CAN)	1
04	BA10123A	SP 4P P.C.B. Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10216A	SP 4P P.C.B. Ass'y (JPN, OTR, DA, TW, USA, CAN)	1
05	BA10128A	T.PRI P.C.B. Ass'y (Except JPN, USA, CAN)	1
	BA10205A	T. PRI P.C.B. Ass'y (JPN, USA, CAN)	1
06	0B50338A	Power Transformer (JPN)	1
	0B50339A	Power Transformer (OTR, DA)	1
	0B50340A	Power Transformer (UK, CH, HK, KR, EP, AUS, ML)	1
	0B50341A	Power Transformer (TW, USA, CAN)	1
07	BA10129A	T.SEC P.C.B. Ass'y	1
08	BA10122A	PS P.C.B. Ass'y	1
09	BA10120A	AMP P.C.B. 3CH Ass'y (UK, CH, HK, KR, EP, AUS, ML)	1
	BA10215A	AMP P.C.B. 3CH Ass'y (JPN, OTR, DA, TW, USA, CAN)	1
—	BA10130A	V.SEL P.C.B. Ass'y (OTR, DA, TW)	1
—	0B10199A	TR 2SC3421 [Q105, Q205, Q705]	1
—	0B12915A	TR TR 2SD2495 [Q107, Q207]	1
—	0B12914A	TR TR 2SB1626 [Q108, Q208]	1
—	0B12859A	TR 2SD2386 [Q707]	1
—	0B12861A	TR 2SB1557 [Q708]	1
—	0B85478A	1P Wire 1	1
—	0B85479A	1P Wire 2	1
—	0B85480A	1P Wire 3	1
—	0B85481A	1P Wire 4	1
—	0B85515A	1P Wire 5 (OTR, DA, TW)	1
—	0B85516A	1P Wire 6 (OTR, DA, TW)	1
—	0E00071A	Fiber Washer 3mm 0.5 T	1
L01	0E03281A	ST3x8 + Binding (Black)	1
L02	0E03749A	PT3x8 + Binding (Black)	1
L03	0E03438A	ST4x6 + Binding	1
L04	0E00964A	M3x5 + Binding	1
L05	0E00877A	ST3x5 + Binding	1

2.2.2. PA L Ass'y 4CH/PA R Ass'y 3CH (A01) [SS-21]

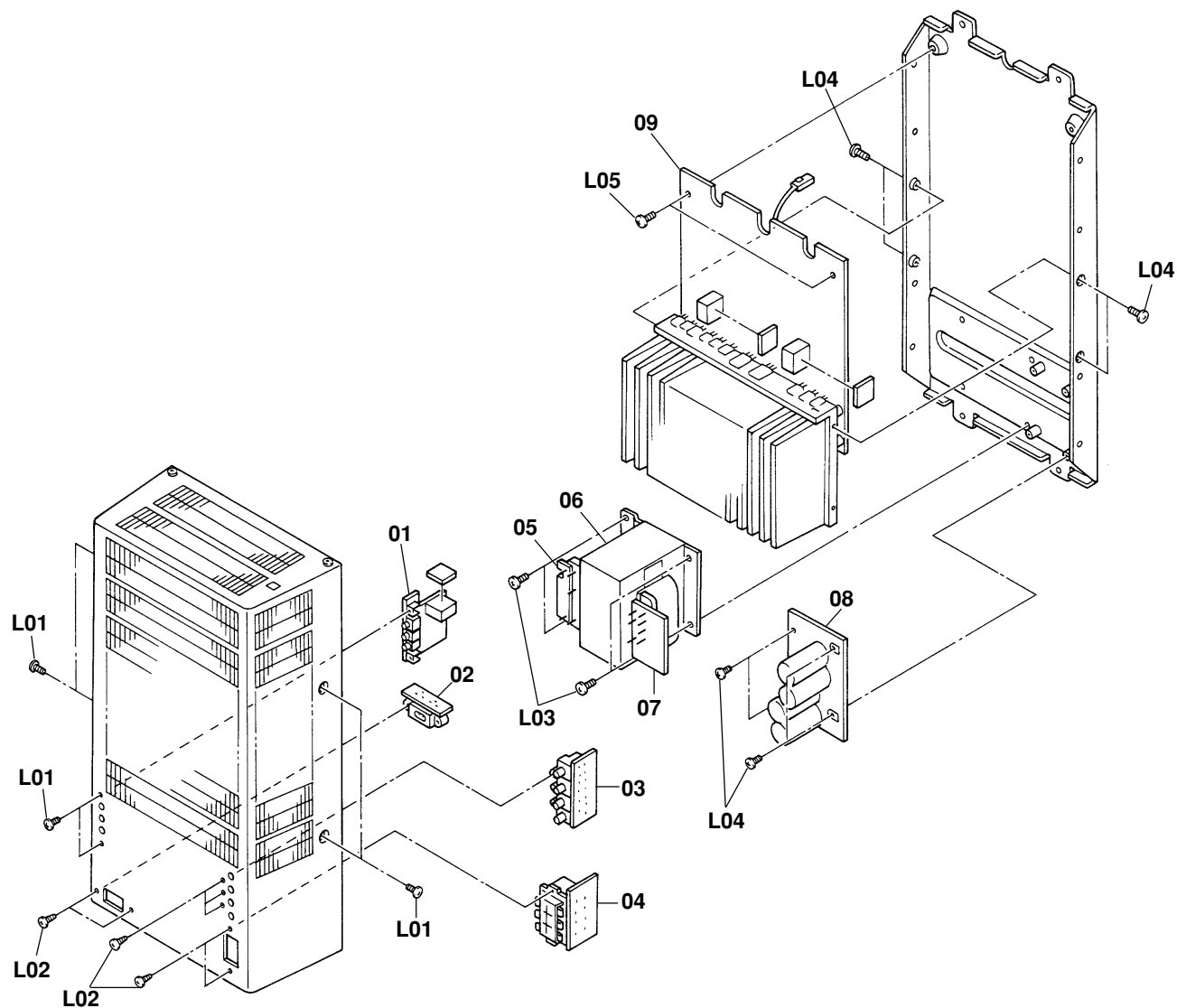


Fig. 2.2.2 SS-21

2.2.2.1. PA L Ass'y 4CH (A01) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
A01	—	PA L Ass'y 4CH [SS-21]	1
01	BA10241A	REM P.C.B. Ass'y (Except JPN)	1
	BA10242A	REM P.C.B. Ass'y (JPN)	1
02	BA10193A	Inlet P.C.B. Ass'y (Except USA, CAN)	1
	BA10204A	Inlet P.C.B. Ass'y (USA, CAN)	1
03	BA10127A	Input L P.C.B. Ass'y (UK, AUS, EP, CH HK, KR, ML)	1
	BA10218A	Input L P.C.B. Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
04	BA10124A	SP 6P P.C.B. Ass'y (UK, AUS, EP, CH HK, KR, ML)	1
	BA10217A	SP 6P P.C.B. Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
05	BA10128A	T.PRI P.C.B. Ass'y (Except JPN, USA, CAN)	1
	BA10205A	T. PRI P.C.B. Ass'y (JPN, USA, CAN)	1
06	0B50349A	Power Transformer (JPN)	1
	0B50350A	Power Transformer (OTR, DA, TW)	1
	0B50351A	Power Transformer (UK, AUS, EP, CH, HK, KR, ML)	1
	0B50352A	Power Transformer (USA, CAN)	1
07	BA10245A	T.SEC P.C.B. Ass'y (Except JPN, USA, CAN)	1
	BA10246A	T.SEC P.C.B. Ass'y (JPN, USA, CAN)	1
08	BA10240A	PS P.C.B. Ass'y	1
09	BA10121A	AMP P.C.B. 4CH Ass'y (UK, AUS, EP, CH HK, KR, ML)	1
	BA10214A	AMP P.C.B. 4CH Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
—	BA10130A	V.SEL P.C.B. Ass'y (OTR, DA, TW)	1
—	0B10199A	2SC3421 [Q105, Q205, Q705, Q905]	1
—	0B12859A	2SD2386 [Q707]	1
—	0B12861A	2SB1557 [Q708]	1
—	0B12914A	2SB1626 [Q108, Q208, Q908]	1
—	0B12915A	2SD2495 [Q107, Q207, Q907]	1
—	0B85478A	1P Wire 1	1
—	0B85479A	1P Wire 2	1
—	0B85480A	1P Wire 3	1
—	0B85481A	1P Wire 4	1
—	0B85515A	1P Wire 5 (OTR, DA, TW)	1
—	0B85516A	1P Wire 6 (OTR, DA, TW)	1
—	0B85536A	Glass Tube D8X70	2
—	0B85537A	Glass Tube D8X150	1
L01	0E03281A	ST3x8 + Binding (Black)	
L02	0E03749A	PT3x8 + Binding (Black)	
L03	0E03438A	ST4x6 + Binding	
L04	0E00964A	M3x5 + Binding	
L05	0E00877A	ST3x5 + Binding	

2.2.2.2. PA R Ass'y 3CH (A01) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
A01	—	PA R Ass'y 3CH [SS-21]	1
01	BA10241A	REM P.C.B. Ass'y (Except JPN)	1
	BA10242A	REM P.C.B. Ass'y (JPN)	1
02	BA10193A	Inlet P.C.B. Ass'y (Except USA, CAN)	1
	BA10204A	Inlet P.C.B. Ass'y (USA, CAN)	1
03	BA10126A	Input R P.C.B. Ass'y (UK, AUS, EP, CH HK, KR, ML)	1
	BA10219A	Input R P.C.B. Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
04	BA10123A	SP 4P P.C.B. Ass'y (UK, AUS, EP, CH HK, KR, ML)	1
	BA10216A	SP 4P Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
05	BA10128A	T.PRI P.C.B. Ass'y (Except JPN, USA, CAN)	1
	BA10205A	T. PRI P.C.B. Ass'y (JPN, USA, CAN)	1
06	0B50349A	Power Transformer (JPN)	1
	0B50350A	Power Transformer (OTR, DA, TW)	1
	0B50351A	Power Transformer (UK, AUS, EP, CH, HK, KR, ML)	1
	0B50352A	Power Transformer (USA, CAN)	1
07	BA10245A	T.SEC P.C.B. Ass'y (Except JPN, USA, CAN)	1
	BA10246A	T.SEC P.C.B. Ass'y (JPN, USA, CAN)	1
08	BA10240A	PS P.C.B. Ass'y	1
09	BA10120A	AMP P.C.B. 3CH Ass'y (UK, AUS, EP, CH HK, KR, ML)	1
	BA10215A	AMP P.C.B 3CH Ass'y (JPN, OTR, USA, CAN, DA, TW)	1
—	0B10199A	2SC3421 [Q105, Q205, Q705]	1
—	0B12859A	2SD2386	1
—	0B12861A	2SB1557	1
—	0B12914A	TR 2SB1626 [Q108, Q208]	1
—	0B12915A	TR 2SD2495 [Q107, Q207]	1
—	0B85536A	Glass Tube D8x70	2
—	0B85537A	Glass Tube D8x150	1
—	0B85478A	1P Wire 1	1
—	0B85479A	1P Wire 2	1
—	0B85480A	1P Wire 3	1
—	0B85481A	1P Wire 4	1
—	0B85515A	1P Wire 5 (OTR, DA, TW)	1
—	0B85516A	1P Wire 6 (OTR, DA, TW)	1
L01	0E03281A	ST3x8 + Binding (Black)	
L02	0E03749A	PT3x8 + Binding (Black)	
L03	0E03438A	ST4x6 + Binding	
L04	0E00964A	M3x5 + Binding	
L05	0E00877A	ST3x5 + Binding	

3. PARTS LIST FOR MOUNTING DIAGRAMS

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
 RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,
 RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,
 CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,
 CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10µ 16V

3. Parts marked with * show chip parts.

3.1. AMP P.C.B. 4CH Ass'y

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA10121A	AMP P.C.B. 4CH Ass'y (UK, AUS, EP, CH, HK, KR, ML)	R106,107	0B09651A	RK 82 1/6W J	R711	0B09717A	RK 47K 1/6W J
	BA10214A	AMP P.C.B. 4CH Ass'y (JPN, OTR, USA, CAN, DA, TW) [SS-10/11/21]	R108	0B09664A	RK 300 1/6W J	R712	0B09684A	RK 2K 1/6W J
			R109	0B25649A	RM 390 1/4W F	R713	0B25653A	RM 560 1/4W F
			R110	0B25669A	RM 4.7K 1/4W F	R714	0B09659A	RK 180 1/6W J
			R111	0B09717A	RK 47K 1/6W J	R715	0B09655A	RK 120 1/6W J
			R112	0B09684A	RK 2K 1/6W J	R716,717	0B09709A	RK 22K 1/6W J
			R113	0B25653A	RM 560 1/4W F	R718,719	0B09177R	RF 47 1/4W
			R114	0B09659A	RK 180 1/6W J	R720,721	0B09995A	RF 0.22 2W
			R115	0B09655A	RK 120 1/6W J	R722	0B09701A	RK 10K 1/6W J
			R116,117	0B09709A	RK 22K 1/6W J	R723	0B09703A	RK 12K 1/6W J
			R118,119	0B09177R	RF 47 1/4W	R724	0B09735A	RK 270K 1/6W J
			R120,121	0B24028A	RF 0.22 1W	R725	0B09707A	RK 18K 1/6W J
			R122	0B09701A	RK 10K 1/6W J	R726	0B09725A	RK 100K 1/6W J
			R123	0B09709A	RK 22K 1/6W J	R727	0B09701A	RK 10K 1/6W J
			R124	0B09737A	RK 330K 1/6W J	R728	0B24388A	RF 5.6 1W
			R125	0B09707A	RK 18K 1/6W J	R729	0B24122A	RF 10 2W
			R126	0B09725A	RK 100K 1/6W J	R730	0B09731A	RK 180K 1/6W J
			R127	0B09701A	RK 10K 1/6W J	R751	0B22666A	RM 10 1/4W F
			R128	0B24388A	RF 5.6 1W	R902	0B09709A	RK 22K 1/6W J
			R129	0B24122A	RF 10 2W	R903	0B25661A	RM 2.2K 1/4W F
			R130	0B09731A	RK 180K 1/6W J	R904,905	0B25212A	RM 1.5K 1/4W F
			R151	0B22666A	RM 10 1/4W F	R906,907	0B09651A	RK 82 1/6W J
			R202	0B09709A	RK 22K 1/6W J	R908	0B09664A	RK 300 1/6W J
			R203	0B25661A	RM 2.2K 1/4W F	R909	0B25649A	RM 390 1/4W F
			R204,205	0B25212A	RM 1.5K 1/4W F	R910	0B25669A	RM 4.7K 1/4W F
			R206,207	0B09651A	RK 82 1/6W J	R911	0B09717A	RK 47K 1/6W J
			R208	0B09664A	RK 300 1/6W J	R912	0B09684A	RK 2K 1/6W J
			R209	0B25649A	RM 390 1/4W F	R913	0B25653A	RM 560 1/4W F
			R210	0B25669A	RM 4.7K 1/4W F	R914	0B09659A	RK 180 1/6W J
			R211	0B09717A	RK 47K 1/6W J	R915	0B09655A	RK 120 1/6W J
			R212	0B09684A	RK 2K 1/6W J	R916,917	0B09709A	RK 22K 1/6W J
			R213	0B25653A	RM 560 1/4W F	R918,919	0B09177R	RF 47 1/4W
			R214	0B09659A	RK 180 1/6W J	R920,921	0B24028A	RF 0.22 1W
			R215	0B09655A	RK 120 1/6W J	R922	0B09701A	RK 10K 1/6W J
			R216,217	0B09709A	RK 22K 1/6W J	R923	0B09709A	RK 22K 1/6W J
			R218,219	0B09177R	RF 47 1/4W	R924	0B09737A	RK 330K 1/6W J
			R220,221	0B24028A	RF 0.22 1W	R925	0B09707A	RK 18K 1/6W J
			R222	0B09701A	RK 10K 1/6W J	R926	0B09725A	RK 100K 1/6W J
			R223	0B09709A	RK 22K 1/6W J	R927	0B09701A	RK 10K 1/6W J
			R224	0B09737A	RK 330K 1/6W J	R928	0B24388A	RF 5.6 1W
			R225	0B09707A	RK 18K 1/6W J	R929	0B24122A	RF 10 2W
			R226	0B09725A	RK 100K 1/6W J	R930	0B09731A	RK 180K 1/6W J
			R227	0B09701A	RK 10K 1/6W J	R951	0B22666A	RM 10 1/4W F
			R228	0B24388A	RF 5.6 1W	C102	0B40708A	CE 1 50V (LN)
			R229	0B24122A	RF 10 2W	C103	0B41219A	CPP 560P 100V J
			R230	0B09731A	RK 180K 1/6W J	C104	0B42618A	CPP 100P 100V J
			R251	0B22666A	RM 10 1/4W F	C105	0B42223A	CML 220P 50V K (UK, AUS, EP, CH, HK, KR, ML)
			R401	0B09705A	RK 15K 1/6W J			
			R501	0B09709A	RK 22K 1/6W J	C106	0B40686A	CE 470 16V (LN)
			R502	0B09691A	RK 3.9K 1/6W J	C107	0B09404A	CPP 1000P 100V J
			R503	0B09717A	RK 47K 1/6W J	C108,109	0B41870A	CC 12P 50V J
			R504	0B09725A	RK 100K 1/6W J	C110	0B40902A	CE 100 35V
			R505	0B09719A	RK 56K 1/6W J	C111,112	0B41298A	CML 0.1 50V J
			R506	0B09701A	RK 10K 1/6W J	C113	0B42225A	CM 330P 50V K
			R507	0B24497R	RF 100 2W	C114	0B40902A	CE 100 35V
			R601	0B09629A	RK 10 1/6W J	C115,116	0B41298A	CML 0.1 50V J
			R702	0B09709A	RK 22K 1/6W J	C117	0B09405A	CPP 0.022 100V J
			R703	0B25661A	RM 2.2K 1/4W F	C118	0B42619A	CPP 0.1 100V J
			R704,705	0B25212A	RM 1.5K 1/4W F	C202	0B40708A	CE 1 50V (LN)
			R706,707	0B09651A	RK 82 1/6W J	C203	0B41219A	CPP 560P 100V J
			R708	0B09664A	RK 300 1/6W J	C204	0B42618A	CPP 100P 100V J
			R709	0B25649A	RM 390 1/4W F	C205	0B42223A	CML 220P 50V K
			R710	0B25669A	RM 4.7K 1/4W F			
IP401	0B11638A	IC Protector ICP-N20 0.8A						
U501	0B11246A	IC UPC1237H						
Q101,102	0B06142A	TR 2SC2240						
Q103	0B06142A	TR 2SC2240						
Q104	0B10221A	TR 2SA1145 Y						
Q106	0B10222A	TR 2SC2705 Y						
Q109	0B06142A	TR 2SC2240						
Q110	0B10050A	TR 2SA970BL						
Q201,202	0B06142A	TR 2SC2240						
Q203	0B06142A	TR 2SC2240						
Q204	0B10221A	TR 2SA1145 Y						
Q206	0B10222A	TR 2SC2705 Y						
Q209	0B06142A	TR 2SC2240						
Q210	0B10050A	TR 2SA970BL						
Q501	0B06013A	TR 2SA733						
Q701,702	0B06142A	TR 2SC2240						
Q703	0B06142A	TR 2SC2240						
Q704	0B10221A	TR 2SA1145 Y						
Q706	0B10222A	TR 2SC2705 Y						
Q709	0B06142A	TR 2SC2240						
Q710	0B10050A	TR 2SA970BL						
Q901,902	0B06142A	TR 2SC2240						
Q903	0B06142A	TR 2SC2240						
Q904	0B10221A	TR 2SA1145 Y						
Q906	0B10222A	TR 2SC2705 Y						
Q909	0B06142A	TR 2SC2240						
Q910	0B10050A	TR 2SA970BL						
ZD501	0B12150A	ZD RD5.6V JS B2						
D101,102	0B12249A	SID 1SS133						
D103	0B12249A	SID 1SS133						
D201,202	0B12249A	SID 1SS133						
D203	0B12249A	SID 1SS133						
D407	0B12249A	SID 1SS133						
D501,502	0B12249A	SID 1SS133						
D503,504	0B12249A	SID 1SS133						
D505	0B12249A	SID 1SS133						
D601	0B12249A	SID 1SS133						
D701,702	0B12249A	SID 1SS133						
D703	0B12249A	SID 1SS133						
D901,902	0B12249A	SID 1SS133						
D903	0B12249A	SID 1SS133						
L101	0B50336A	Coil 0.8uH						
L201	0B50336A	Coil 0.8uH						
L701	0B50336A	Coil 0.8uH						
L901	0B50336A	Coil 0.8uH						
VR101	0B32188A	Semi VR 200 Top						
VR201	0B32188A	Semi VR 200 Top						
VR701	0B32188A	Semi VR 200 Top						
VR901	0B32188A	Semi VR 200 Top						
R102	0B09709A	RK 22K 1/6W J						
R103	0B25661A	RM 2.2K 1/4W F						
R104,105	0B25212A	RM 1.5K 1/4W F						

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
		(UK, AUS, EP, CH, HK, KR, ML)		0B85391A	6P Connector Ass'y A (1)	R118,119	0B09177R	RF 47 1/4W
C206	0B40686A	CE 470 16V (LN)		0B85392A	6P Connector Ass'y B (2)	R120,121	0B24028A	RF 0.22 1W
C207	0B09404A	CPP 1000P 100V J		0B85393A	7P Connector Ass'y A (1)	R122	0B09701A	RK 10K 1/6W J
C208,209	0B41870A	CC 12P 50V J		0B85394A	1P Wire Ass'y A (1)	R123	0B09709A	RK 22K 1/6W J
C210	0B40902A	CE 100 35V		0B85395A	1P Wire Ass'y B (1)	R124	0B09737A	RK 330K 1/6W J
C211,212	0B41298A	CML 0.1 50V J		0B85396A	1P Wire Ass'y C (1)	R125	0B09707A	RK 18K 1/6W J
C213	0B42225A	CM 330P 50V K		0B85397A	1P Wire Ass'y D (1)	R126	0B09725A	RK 100K 1/6W J
C214	0B40902A	CE 100 35V		0B85399B	6P Connector Ass'y C (1)	R127	0B09701A	RK 10K 1/6W J
C215,216	0B41298A	CML 0.1 50V J				R128	0B24388A	RF 5.6 1W
C217	0B09405A	CPP 0.022 100V J	3.2. AMP P.C.B. 3CH Ass'y			R129	0B24122A	RF 10 2W
C218	0B42619A	CPP 0.1 100V J				R130	0B09731A	RK 180K 1/6W J
C401	0B41826A	CC 4700P 250V	Schematic Ref. No.	Part No.	Description	R151	0B22666A	RM 10 1/4W F
C501	0B40915A	CE 1 50V		BA10120A	AMP P.C.B. 3CH Ass'y (UK, AUS, EP, CH, HK, KR, ML)	R202	0B09709A	RK 22K 1/6W J
C502	0B41298A	CML 0.1 50V J		BA10215A	AMP P.C.B. 3CH Ass'y (JPN, OTR, USA, CAN, DA, TW)	R203	0B25661A	RM 2.2K 1/4W F
C503	0B40902A	CE 100 35V				R204,205	0B25212A	RM 1.5K 1/4W F
C504	0B40918A	CE 4.7 50V				R206,207	0B09651A	RK 82 1/6W J
C505	0B40119A	CE 47 50V				R208	0B09664A	RK 300 1/6W J
C506	0B40902A	CE 100 35V				R209	0B25649A	RM 390 1/4W F
C702	0B42196A	CE 10 16V (LN)				R210	0B25669A	RM 4.7K 1/4W F
C703	0B41219A	CPP 560P 100V J				R211	0B09717A	RK 47K 1/6W J
C704	0B42618A	CPP 100P 100V J				R212	0B09684A	RK 2K 1/6W J
C705	0B42223A	CML 220P 50V K	IP401	0B11638A	IC Protector ICP-N20 0.8A	R213	0B25653A	RM 560 1/4W F
		(UK, AUS, EP, CH, HK, KR, ML)				R214	0B09659A	RK 180 1/6W J
C706	0B40686A	CE 470 16V (LN)	U501	0B11246A	IC UPC1237H	R215	0B09655A	RK 120 1/6W J
C707	0B09404A	CPP 1000P 100V J	Q101,102	0B06142A	TR 2SC2240	R216,217	0B09709A	RK 22K 1/6W J
C708,709	0B41870A	CC 12P 50V J	Q103	0B06142A	TR 2SC2240	R218,219	0B09177R	RF 47 1/4W
C710	0B40902A	CE 100 35V	Q104	0B10221A	TR 2SA1145 Y	R220,221	0B24028A	RF 0.22 1W
C711,712	0B41298A	CML 0.1 50V J	Q106	0B10222A	TR 2SC2705 Y	R222	0B09701A	RK 10K 1/6W J
C713	0B42225A	CM 330P 50V K	Q109	0B06142A	TR 2SC2240	R223	0B09709A	RK 22K 1/6W J
C714	0B40902A	CE 100 35V	Q201,202	0B06142A	TR 2SC2240	R224	0B09737A	RK 330K 1/6W J
C715,716	0B41298A	CML 0.1 50V J	Q203	0B06142A	TR 2SC2240	R225	0B09707A	RK 18K 1/6W J
C717	0B09405A	CPP 0.022 100V J	Q204	0B10221A	TR 2SA1145 Y	R226	0B09725A	RK 100K 1/6W J
C718	0B42619A	CPP 0.1 100V J	Q206	0B10222A	TR 2SC2705 Y	R227	0B09701A	RK 10K 1/6W J
C719,720	0B41278A	CML 2200P 50V J	Q209	0B06142A	TR 2SC2240	R228	0B24388A	RF 5.6 1W
		(UK, AUS, EP, CH, HK, KR, ML)	Q210	0B10050A	TR 2SA970BL	R229	0B24122A	RF 10 2W
C902	0B40708A	CE 1 50V (LN)	Q501	0B06013A	TR 2SA733	R230	0B09731A	RK 180K 1/6W J
C903	0B41219A	CPP 560P 100V J	Q701,702	0B06142A	TR 2SC2240	R251	0B22666A	RM 10 1/4W F
C904	0B42618A	CPP 100P 100V J	Q703	0B06142A	TR 2SC2240	R401	0B09705A	RK 15K 1/6W J
C905	0B42223A	CML 220P 50V K	Q704	0B10221A	TR 2SA1145 Y	R501	0B09709A	RK 22K 1/6W J
		(UK, AUS, EP, CH, HK, KR, ML)	Q706	0B10222A	TR 2SC2705 Y	R502	0B09691A	RK 3.9K 1/6W J
C906	0B40686A	CE 470 16V (LN)	Q709	0B06142A	TR 2SC2240	R503	0B09717A	RK 47K 1/6W J
C907	0B09404A	CPP 1000P 100V J	Q710	0B10050A	TR 2SA970BL	R504	0B09725A	RK 100K 1/6W J
C908,909	0B41870A	CC 12P 50V J	ZD501	0B12150A	ZD RD5.6V JS B2	R505	0B09719A	RK 56K 1/6W J
C910	0B40902A	CE 100 35V	D101,102	0B12249A	SID 1SS133	R506	0B09701A	RK 10K 1/6W J
C911,912	0B41298A	CML 0.1 50V J	D103	0B12249A	SID 1SS133	R507	0B24497R	RF 100 2W
C913	0B42225A	CM 330P 50V K	D201,202	0B12249A	SID 1SS133	R601	0B09629A	RK 10 1/6W J
C914	0B40902A	CE 100 35V	D203	0B12249A	SID 1SS133	R702	0B09709A	RK 22K 1/6W J
C915,916	0B41298A	CML 0.1 50V J	D407	0B12249A	SID 1SS133	R703	0B25661A	RM 2.2K 1/4W F
C917	0B09405A	CPP 0.022 100V J	D501,502	0B12249A	SID 1SS133	R704,705	0B25212A	RM 1.5K 1/4W F
C918	0B42619A	CPP 0.1 100V J	D503,504	0B12249A	SID 1SS133	R706,707	0B09651A	RK 82 1/6W J
CN101	0B85482A	2P Connector Ass'y Yellow C	D505	0B12249A	SID 1SS133	R708	0B09664A	RK 300 1/6W J
			D601	0B12249A	SID 1SS133	R709	0B25649A	RM 390 1/4W F
CN201	0B85483A	2P Connector Ass'y RED D	D701,702	0B12249A	SID 1SS133	R710	0B25669A	RM 4.7K 1/4W F
			D703	0B12249A	SID 1SS133	R711	0B09717A	RK 47K 1/6W J
CN701	0B85387A	2P Connector Ass'y A	L101	0B50336A	Coil 0.8uH	R712	0B09684A	RK 2K 1/6W J
CN901	0B85484A	2P Connector Ass'y White E	L201	0B50336A	Coil 0.8uH	R713	0B25653A	RM 560 1/4W F
			L701	0B50336A	Coil 0.8uH	R714	0B09659A	RK 180 1/6W J
CP101	0B81634A	2P T-Post	VR101	0B32188A	Semi VR 200 Top	R715	0B09655A	RK 120 1/6W J
CP201	0B81634A	2P T-Post	VR201	0B32188A	Semi VR 200 Top	R716,717	0B09709A	RK 22K 1/6W J
CP701	0B81634A	2P T-Post	VR701	0B32188A	Semi VR 200 Top	R718,719	0B09177R	RF 47 1/4W
CP901	0B81634A	2P T-Post	R102	0B09709A	RK 22K 1/6W J	R720,721	0B09995A	RF 0.22 2W
F401	0B90830A	Fuse RP 4A 125V	R103	0B25661A	RM 2.2K 1/4W F	R722	0B09701A	RK 10K 1/6W J
RL501,502	0B90904A	Relay OSA-SS-224DM	R104,105	0B25212A	RM 1.5K 1/4W F	R723	0B09703A	RK 12K 1/6W J
RL601	0B90903A	Relay SDT-S112LMR	R106,107	0B09651A	RK 82 1/6W J	R724	0B09735A	RK 270K 1/6W J
TF101	0B90322A	Thermal Fuse 126	R108	0B09664A	RK 300 1/6W J	R725	0B09707A	RK 18K 1/6W J
TF201	0B90322A	Thermal Fuse 126	R109	0B25649A	RM 390 1/4W F	R726	0B09725A	RK 100K 1/6W J
TF501	0B90322A	Thermal Fuse 126	R110	0B25669A	RM 4.7K 1/4W F	R727	0B09701A	RK 10K 1/6W J
TF701	0B90322A	Thermal Fuse 126	R111	0B09717A	RK 47K 1/6W J	R728	0B24388A	RF 5.6 1W
TF901	0B90322A	Thermal Fuse 126	R112	0B09684A	RK 2K 1/6W J	R729	0B24122A	RF 10 2W
TH501	2B10071A	Thermistor 50KDD130	R113	0B25653A	RM 560 1/4W F	R730	0B09731A	RK 180K 1/6W J
	0B85388A	2P Connector Ass'y B (1)	R114	0B09659A	RK 180 1/6W J	R751	0B22666A	RM 10 1/4W F
			R115	0B09655A	RK 120 1/6W J	C102	0B40708A	CE 1 50V (LN)
			R116,117	0B09709A	RK 22K 1/6W J	C103	0B41219A	CPP 560P 100V J
						C104	0B42618A	CPP 100P 100V J

3.7. Input L P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10127A	Input L P.C.B. Ass'y (UK, AUS, EP, CH, HK, KR, ML)
	BA10218A	Input L P.C.B. Ass'y (JPN, OTR, USA, CAN, DA, TW) [SS-10/11/21]
R101	0B09677A	RK 1K 1/6W J
R201	0B09677A	RK 1K 1/6W J
R701	0B09677A	RK 1K 1/6W J
R901	0B09677A	RK 1K 1/6W J
C101	0B41288A	CML 0.015 50V J (UK, AUS, EP, CH, HK, KR, ML)
C201	0B41288A	CML 0.015 50V J (UK, AUS, EP, CH, HK, KR, ML)
C701	0B41288A	CML 0.015 50V J (UK, AUS, EP, CH, HK, KR, ML)
C901	0B41288A	CML 0.015 50V J (UK, AUS, EP, CH, HK, KR, ML)
PJ301	0B85351A	4P Pin Jack

3.8. T.PRI P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10128A	T.PRI P.C.B. Ass'y (Except JPN, USA, CAN)
	BA10205A	T. PRI P.C.B. Ass'y (JPN, USA, CAN) [SS-10/11/21]
CP401	0B84275A	Wrapping Terminal 2P
F401	0B90830A	Fuse RP 4A 125V (JPN, USA, CAN)
	0B90868A	Fuse T 2AL250V (Except JPN, USA, CAN)
	0B90757A	Fuse Clip (2)

3.9. Inlet P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10193A	Inlet P.C.B. Ass'y (Except USA, CAN)
	BA10204A	Inlet P.C.B. Ass'y (USA, CAN) [SS-10/11/21]
	0B85361A	AC Inlet UL (USA, CAN) (1)
	0B85362A	AC Inlet EP (Except USA, CAN) (1)

3.10. REM P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10241A	REM P.C.B. Ass'y (Except JPN)
	BA10242A	REM P.C.B. Ass'y (JPN) [SS-10/11/21]
IP601,602	0B12926A	MultiFuse R60R160
D601	0B12249A	SID 1SS133
R601	0B09629A	RK 10 1/6W J
C401	0B41825A	CC 4700P 400V (Except JPN)
	0B41826A	CC 4700P 250V (JPN)
CN401	0B84275A	Wrapping Terminal 2P
CN407	0B85389A	4P Connector Ass'y A
G601,602	0B80791A	Terminal
PC401	0B84275A	Wrapping Terminal 2P
PJ601,602	0B80774A	Mini Jack H
PJ603	0B80774A	Mini Jack H

3.11. V.SEL P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10130A	V.SEL P.C.B. Ass'y (OTR, DA, TW) [SS-10/11/21]
	0B70285A	Voltage Switch (1)

3.12. T. SEC P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10245A	T.SEC P.C.B. Ass'y (Except JPN, USA, CAN)
	BA10246A	T.SEC P.C.B. Ass'y (JPN, USA, CAN) [SS-21]
	0B85390A	4P Connector Ass'y B
CP404	0B90828A	Fuse RP 3A 125V (JPN, USA, CAN)
F402	0B90867A	Fuse T 1.6A L250V (Except JPN, USA, CAN)
	0B90757A	Fuse Clip (2)

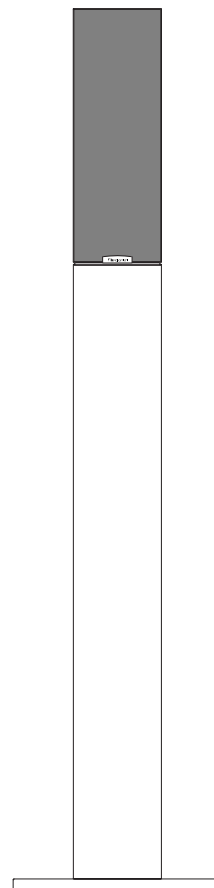
**Satellite
Speaker
[SS-10/11]**

Satellite Speaker Section [SS-10/11]

- Satellite Speaker (Front/Rear)
- Center Speaker



[SS-10]



[SS-11]

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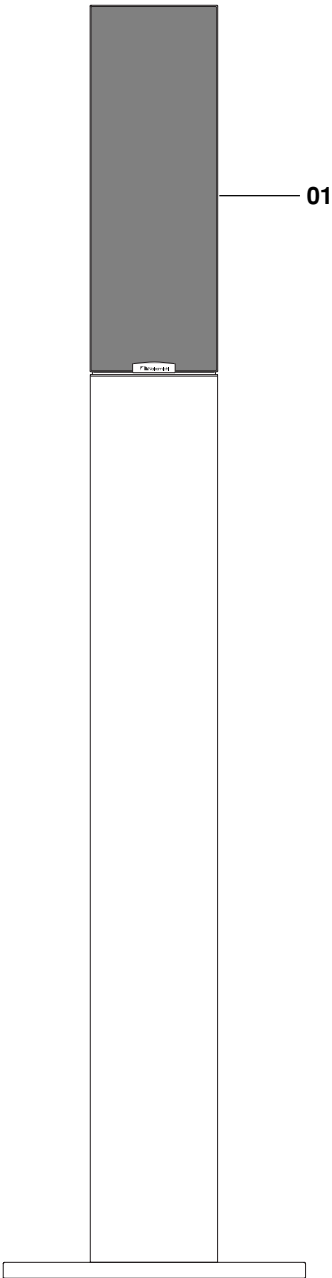
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SPECIFICATIONS (See the end of this manual.)

1. MECHANISM ASS'Y AND PARTS LIST

1.1. Floor Stand (Front/Rear) [SS-11 Only]



1.1. Floor Stand (Front/Rear) [SS-11 Only]

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Floor Stand N210 (For Front L/R and Rear L/R Speakers) [SS-11]	1
01	—	Satellite Ass'y (Front/Rear)	1
—	0H08442D	Stand Base D202SAT	1
—	0H08443A	Stand Pole D202SAT	1
—	0H08444B	Stand Top D202SAT	1
—	0J08410A	Stand Spacer D202L	5
—	0E00852A	BT4x12 + Binding (Black)	4
—	0E04204A	BT4x20 + Binding (Black)	4

Fig. 1.1

1.2. Satellite Ass'y (Front/Rear) [SS-10/11]

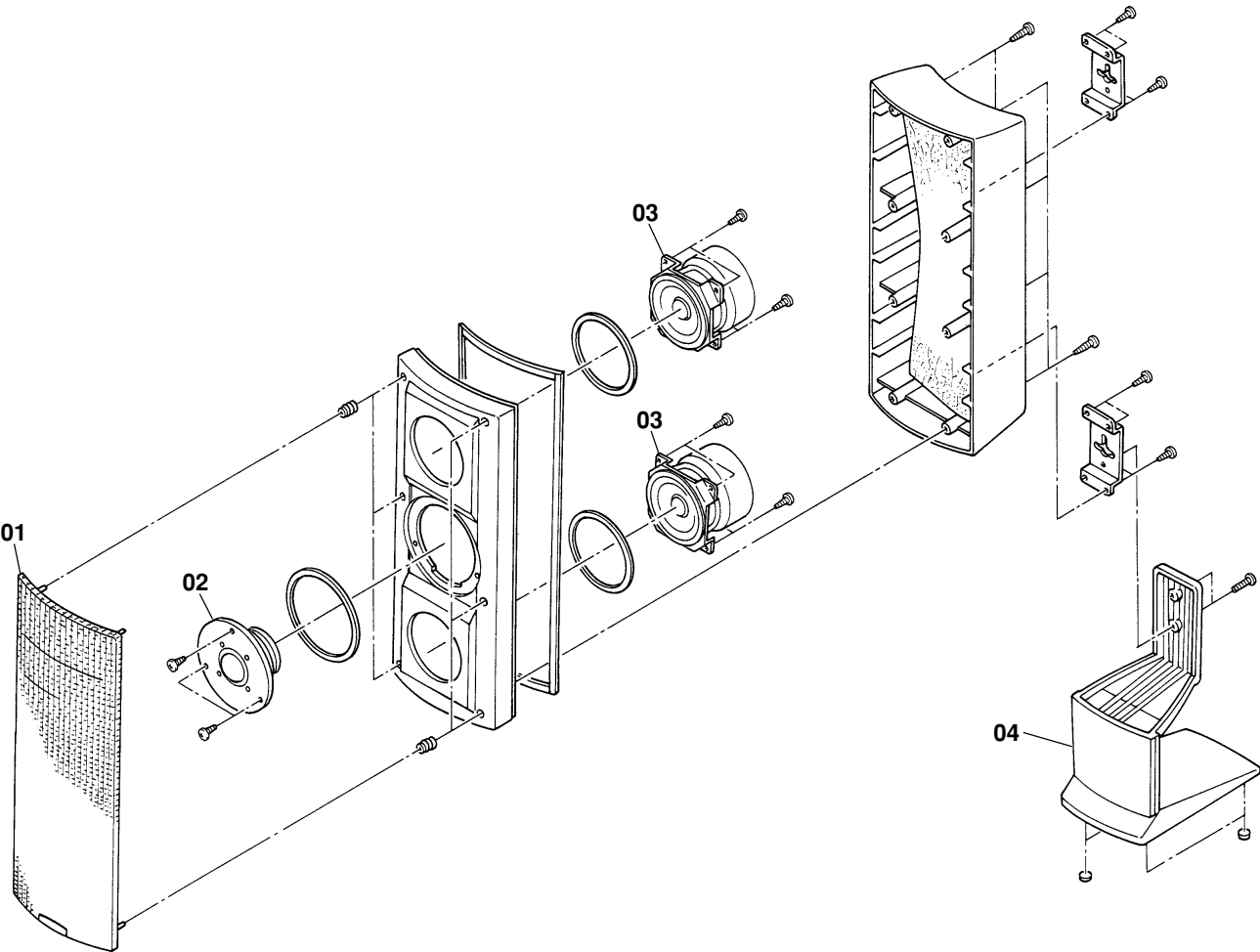


Fig. 1.2

1.2. Satellite Ass'y (Front/Rear) [SS-10/11]

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Satellite Ass'y (Front/Rear) [SS-10/11]	1
01	CB00631A	Grille GRY Ass'y Satellite	1
02	CB00638A	Satellite Tweeter	1
03	CB00637A	Satellite Woofer Speaker S350F02	2
04	CB00648A	Stand Ass'y Satellite (For Front L/R Speaker)	1

1.3. Center SP Ass'y [SS-10/11]

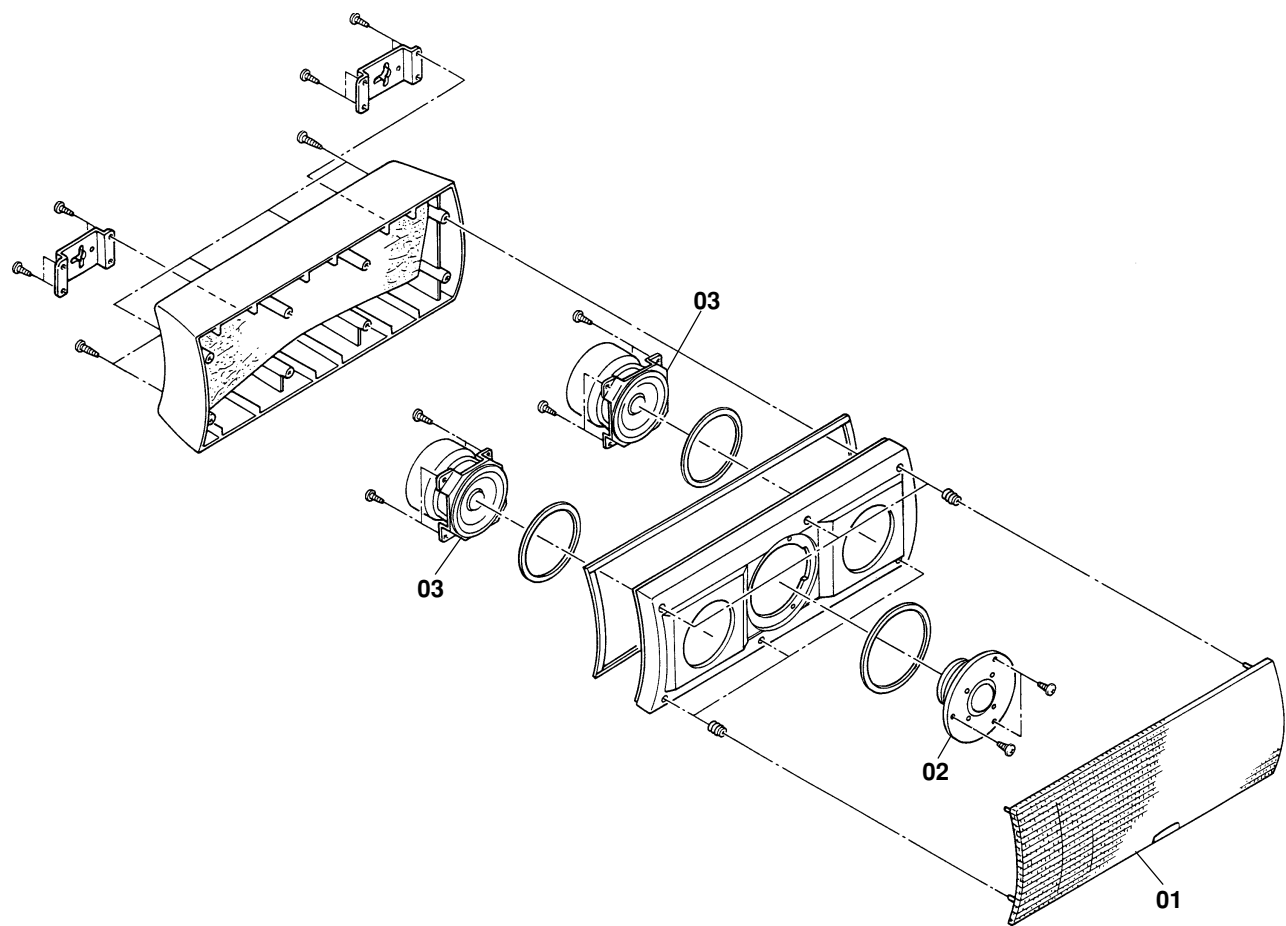


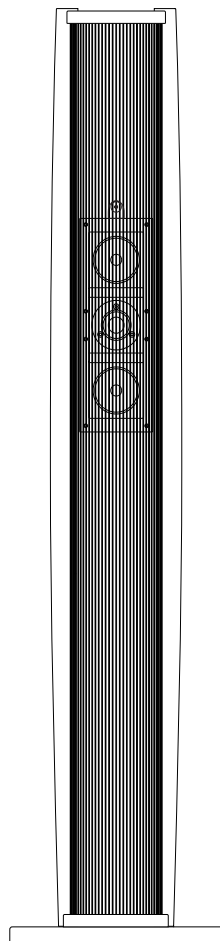
Fig. 1.3

1.3. Center SP Ass'y [SS-10/11]				
Schematic				
Ref. No.	Part No.	Description	Q'ty	
	—	Center SP Ass'y [SS-10/11]	1	
01	CB00636A	Grille GRY Ass'y Center	1	
02	CB00638A	Satellite Tweeter	1	
03	CB00637A	Satellite Woofer Speaker S350F02	2	

Satellite Speaker [SS-21]

Satellite Speaker Section [SS-21]

- Satellite Speaker (Front/Rear)
- Center Speaker



Satellite Speaker (Front/Rear)



Center Speaker

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1. REMOVAL PROCEDURES

NOTES:

1. Do not use an electric screwdriver to disassemble or assemble the parts.
2. When reassembling, reverse the removal procedure. Follow the note for reassembling, if it is written.

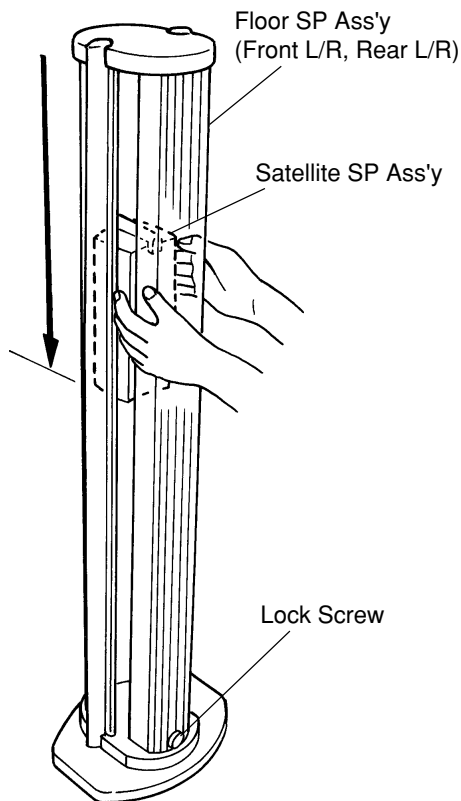


Fig. 1.1

1.1. Main Frame Block

Refer to Figs. 1.1 to 1.4.

- (1) Remove the Lock Screw at the bottom of the Floor SP Ass'y. See Fig. 1.1.
- (2) Move down the Satellite SP Ass'y by hand until it is located at around the center position. See Fig. 1.1
- (3) Remove F01 (Cover Top) by pulling it upward. See Fig. 1.2.
- (4) Remove the 3 screws F02 (BT4x12 + Binding (Black)) and loosen the 4 screws. See Fig. 1.2.

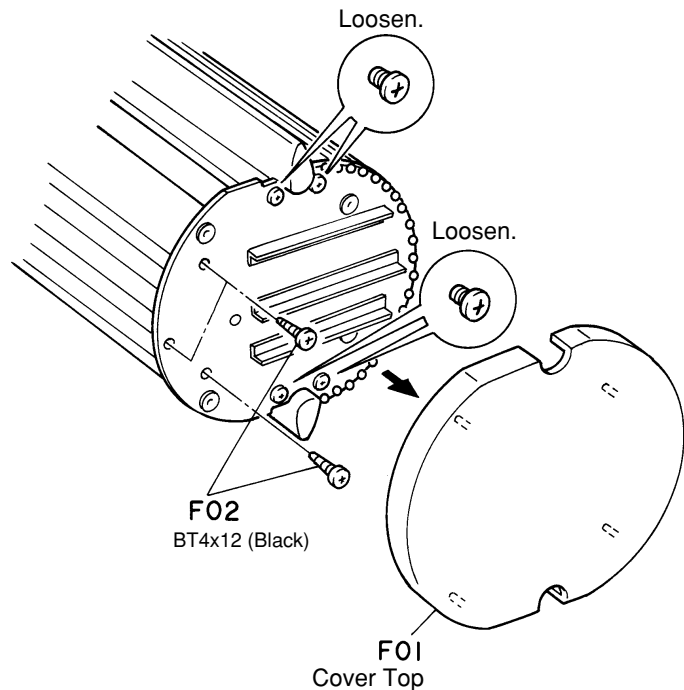


Fig. 1.2 Top View

- (5) Remove the 5 screws F03 (BT4x8 + Binding (Black)) and detach F04 (Chassis AMP). See Fig. 1.3.
- (6) Remove the 2 screws F05 (PT3x12 + Binding (Black)) and take off F06 from F04 (Chassis AMP). See Fig. 1.3.
- (7) Remove the 4 screws F07 (BT4x8 + Binding (Black)), cut the 2 Insu-locks (shown by the arrows), disconnect all connectors, and detach F08 (SP Cont. P.C.B. Ass'y). See Fig. 1.3.
- (8) Remove the 1 screw F09 (M3x6 + Binding) and detach F10 (TR P.C.B. Ass'y).
- (9) Remove the 4 screws F11 (BT4x45 + Binding) and carefully remove F12 (Main Frame Block). See Fig. 1.4.

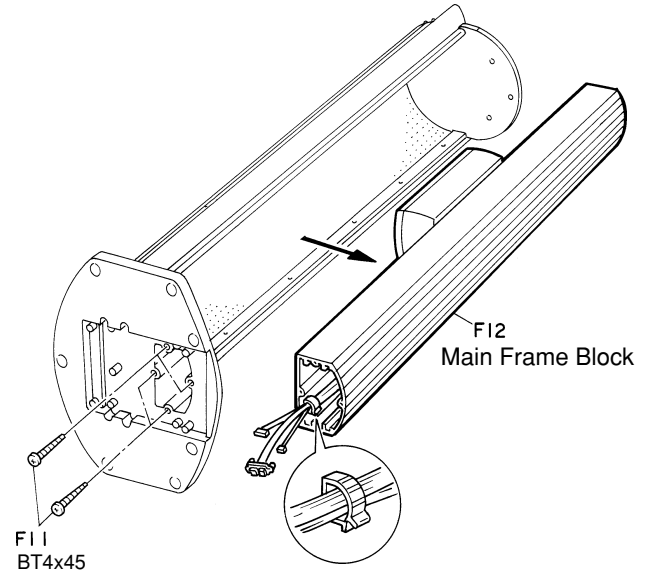


Fig. 1.4 Bottom View

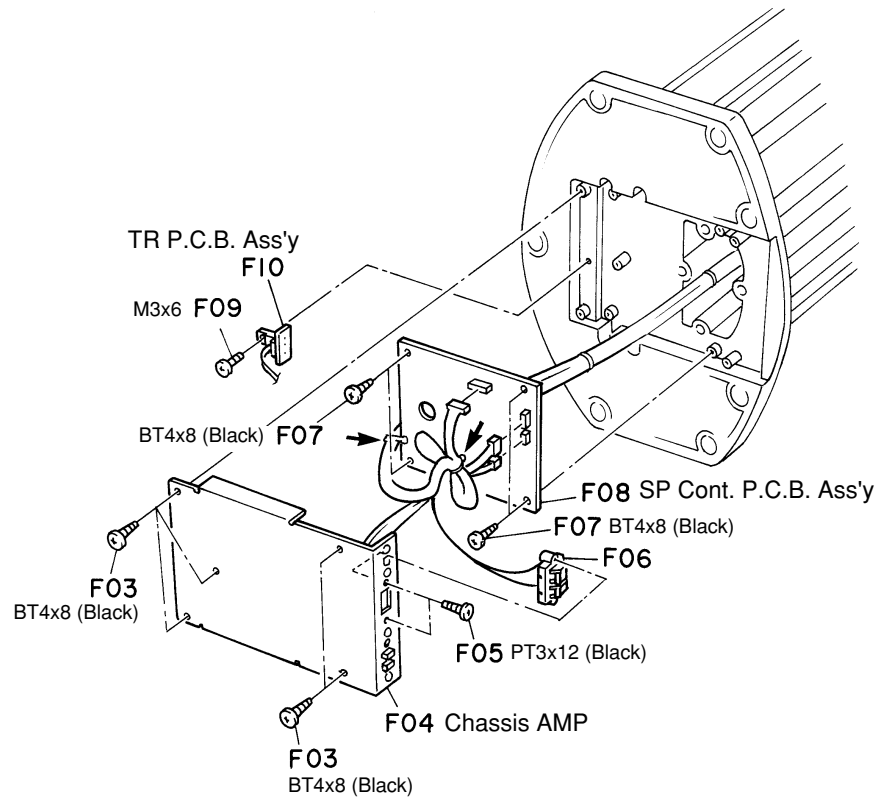


Fig. 1.3 Bottom View

1.2. Satellite SP Block

Refer to Fig. 1.5.

NOTE: Do not pull out or re-insert the Satellite SP Block by yourself. Do it with 2 persons or more.

- (1) Remove the Main Frame Block. See item. 1.1.
- (2) Remove 8 screws F13/F14 (M3x5 FH HS) and gently pull out F15 (Satellite SP Block).

● Note when reassembling:

When reassembling the Satellite SP Block, insert parts "A", "B", and "C" of the Satellite SP Block into the Main Frame as shown in the figure.

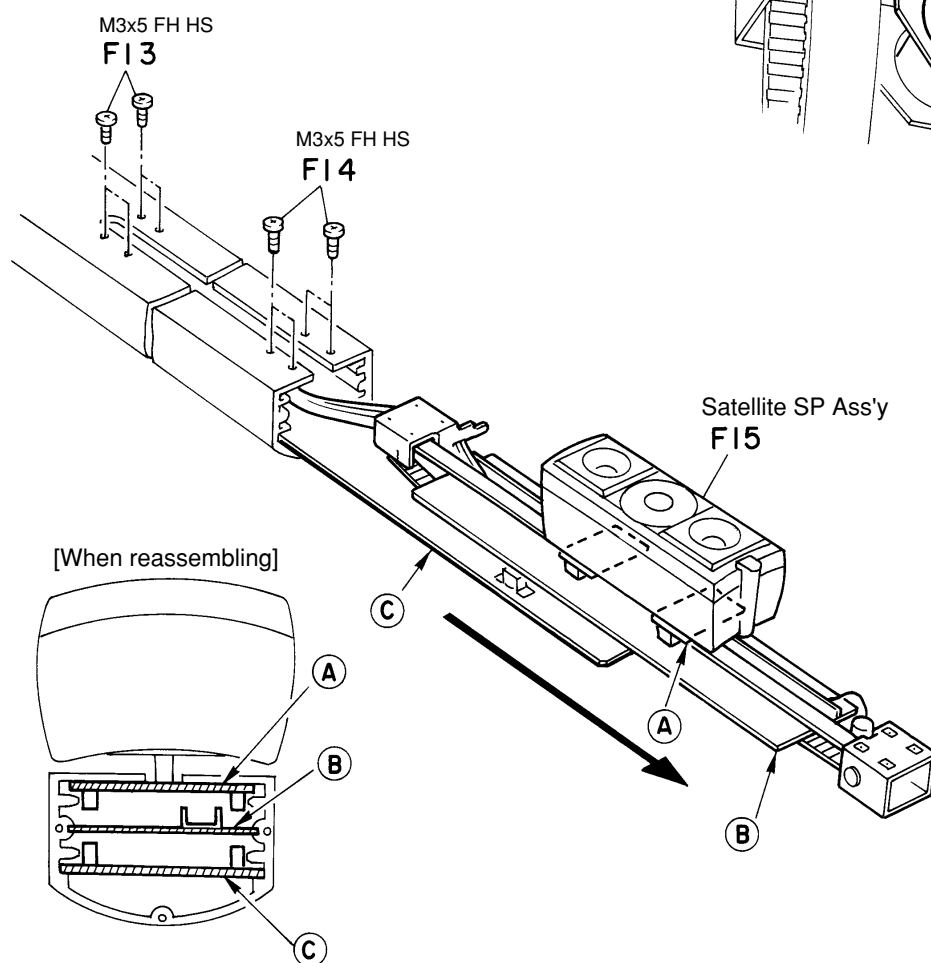


Fig. 1.5

1.3. Plate D Top-Sub

- (1) When removing the Plate D Top-Sub, push the motor belt inward as shown in Fig. 1.6 to avoid damage to the motor belt.

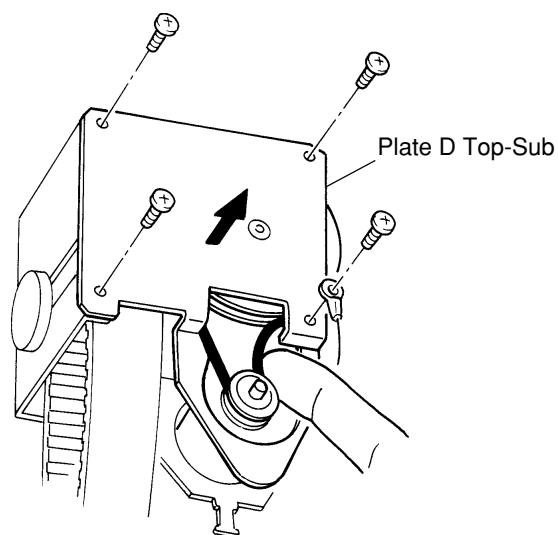


Fig. 1.6

1.4. Belt Removal and Belt Positioning

Note that you need to mark the belt position before you remove the T Belt Drive. If the belt positioning is incorrect, the Satellite SP Ass'y cannot move its movable range.

When removing the T Belt Drive:

- Paint marks on the belt teeth (A, A', B, and B'). See Fig. 1.7.

NOTE: The number of teeth between A and B is 157.

When reassembling the T Belt Drive:

See Fig. 1.7

- Attach the 2 Belt-ST to the T Belt Drive correctly, while watching the marks on the belt, which were marked by you.
- Be sure that the Wire T SP is fastened to the place shown in the figure.

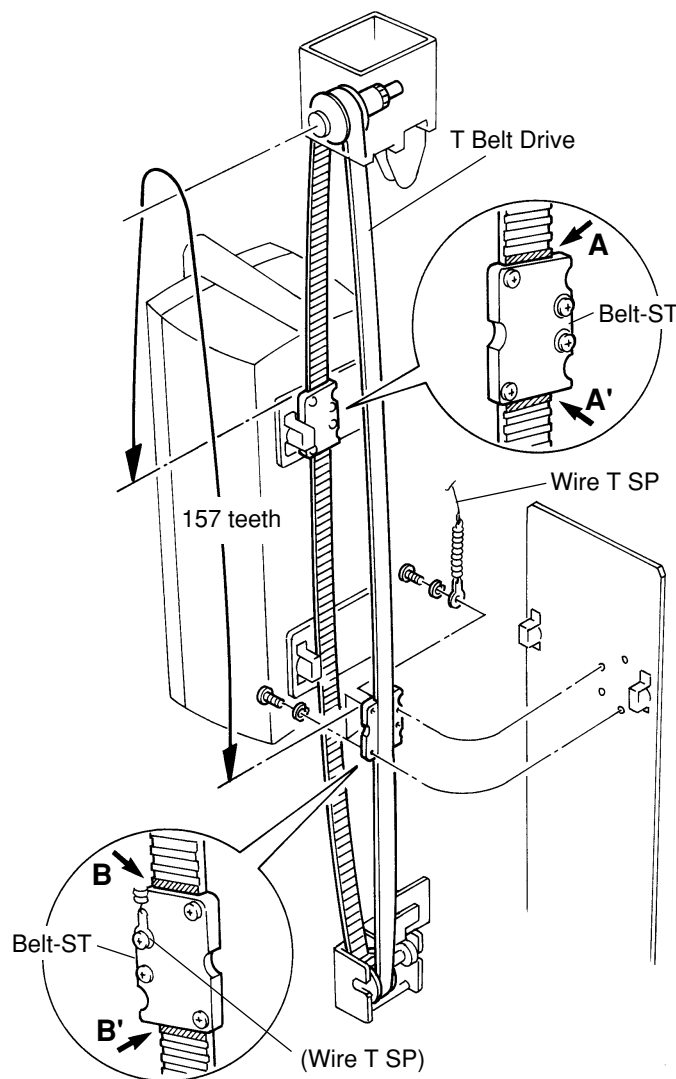


Fig. 1.7 Belt Positioning

1.5. Wire Assembling

Assemble the Wire T SP paying attention to the followings:

- The wire must be fixed to the indicated hole in the Belt-ST.
- The wire must be hooked on SP Pulley SS.
- The wire must be placed in the groove of the W Side R.

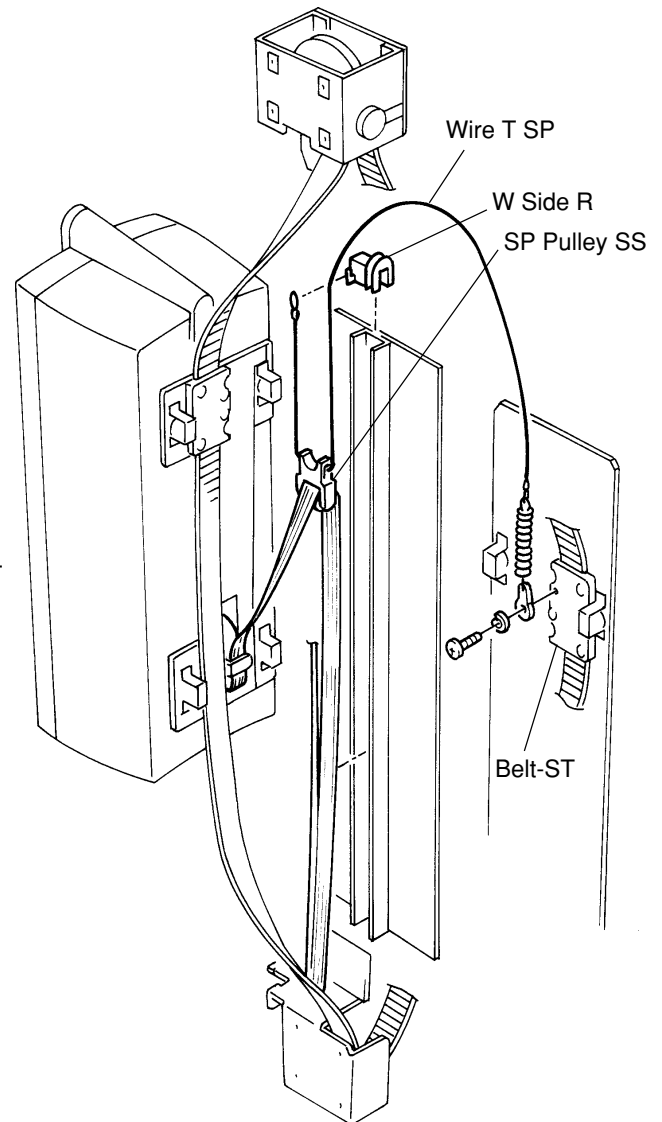


Fig. 1.8 Wire Assembling

2. MECHANISM ASS'Y AND PARTS LIST

2.1. Floor SP Ass'y (Front/Rear) [SS-21]

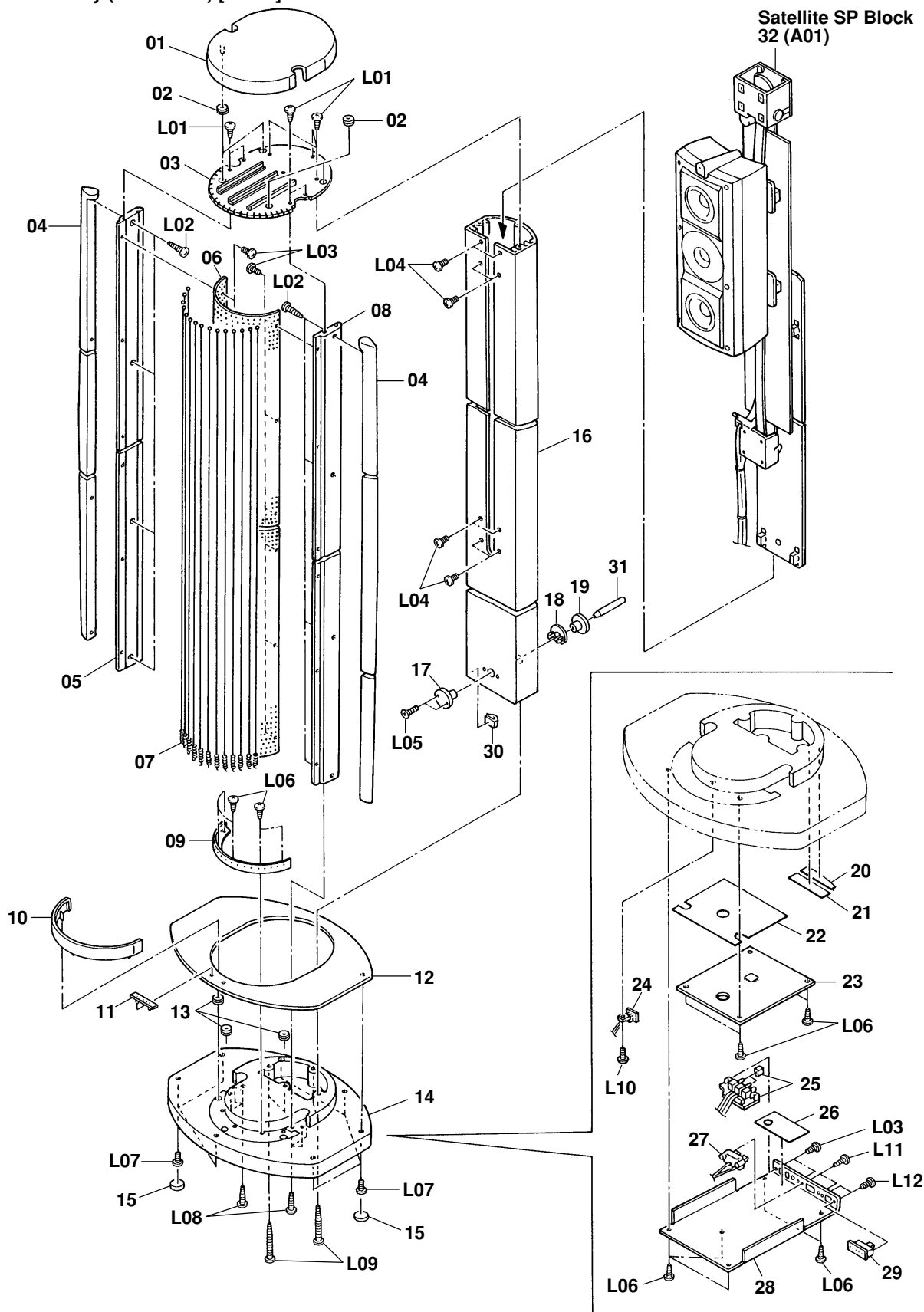


Fig. 2.1

2.1. Floor SP Ass'y (Front/Rear) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
	HG08174B	Floor SP Ass'y [SS-21]	1
01	0H08509A	Cover Top	1
02	0J08472A	Catcher	4
03	0J08461A	Chassis Top	1
04	0H08504C	Wood Pole SP	2
05	0J08469B	Metal Pole L	1
06	0H08507E	Grille Inner	1
07	0H08508A	Grille Wire	39
08	0J08460B	Metal Pole R	1
09	0J08462A	Chassis Bottom	1
10	0H08549A	Cover Bottom	1
11	0H08606A	Name Badge	1
12	0H08577A	Base Top SP	1
13	2J00210A	Grill Holder SA	3
14	0H08502E	Base	1
15	0J08410A	Stand Spacer L	7
16	0C10353C	Main Frame	1
17	0C10394B	Lock Flange	1
18	0C10398A	Lock Flange Guide	1
19	0C10395A	Lock Flange Rear	1
20	0J08491A	Insulator C	1
21	0J08490A	Insulator B	1
22	0J08489A	Insulator A	1
23	BA10222A	SP Cont. P.C.B. Ass'y	1
24	BA10250A	TR P.C.B. Ass'y	1
25	BA10231A	Push S P.C.B. Ass'y	1
26	0J08493A	Insulator D	1
27	0B85523A	Terminal SP	1
28	0H08503A	Chassis AMP	1
29	BA10230A	Slide S P.C.B. Ass'y	1
30	0E04218A	SP Cable Clamp	1
31	0C10396A	Lock Screw	1
32	—	Satellite SP Block	1
L01	0E00852A	BT4x12 + Binding (Black)	
L02	0E04203A	4x30 + Binding (Black)	
L03	0E03270A	M3x5 + Binding (Black)	
L04	0E04216A	M3x5 FH HS	
L05	0E04215A	M3x6 + Countersunk	
L06	0E00915A	BT4x8 + Binding (Black)	
L07	0E00953A	M4x10 + Binding (Black)	
L08	0E00878A	BT4x20 + Binding	
L09	0E04202A	BT4x45 + Binding	
L10	0E00896A	M3x6 + Binding	
L11	0E04223A	PT3x12 + Binding (Black)	
L12	0E00945A	M2.6x4 + Binding (Black)	

2.2. Floor SP Ass'y - Satellite SP Block (Front/Rear) (A01) [SS-21]

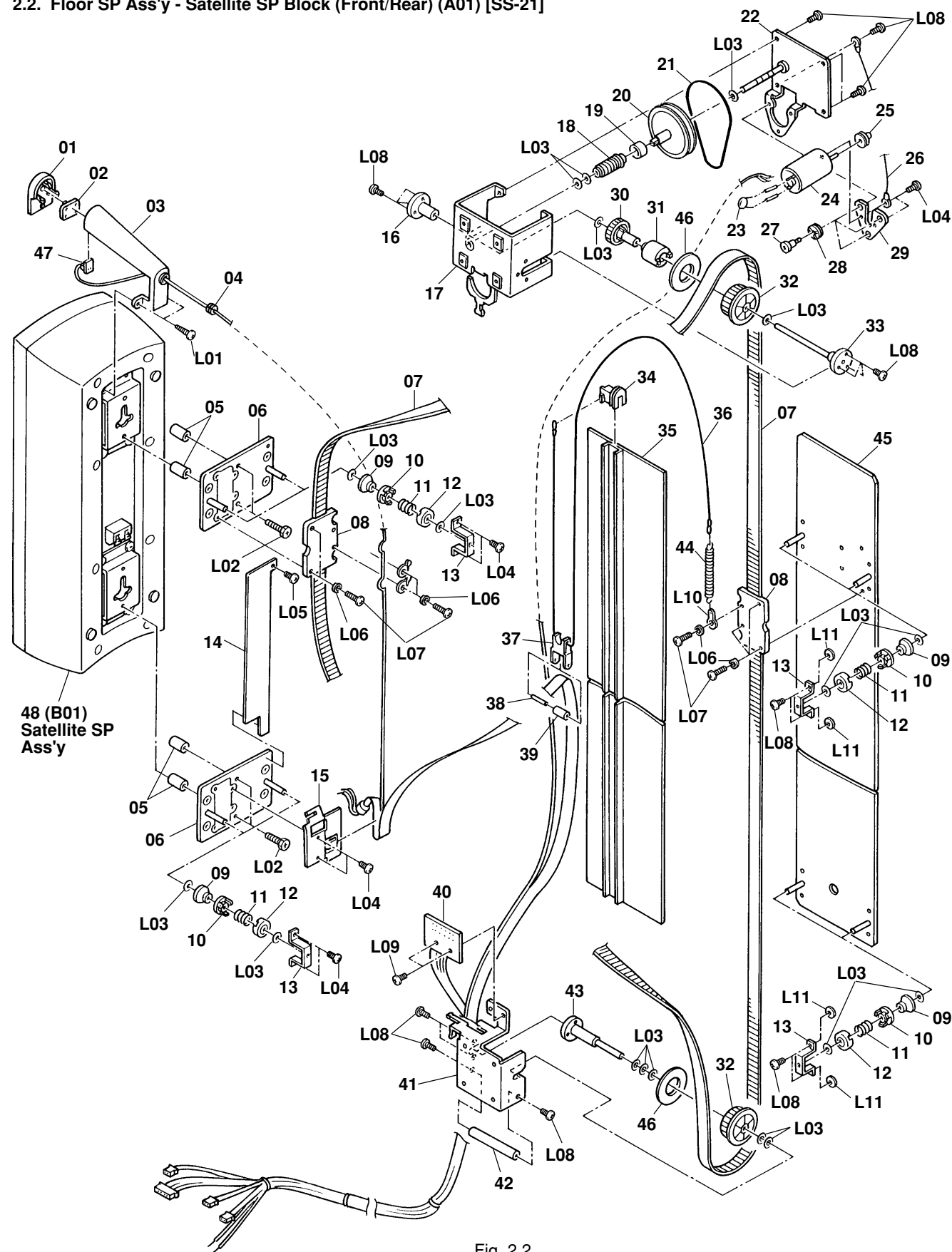


Fig. 2.2

2.2. Floor SP Ass'y - Satellite SP Block (Front/Rear) (A01) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
A01	—	Satellite SP Block [SS-21]	1
01	0H08572A	LED Cover F	1
02	0H08574A	LED Lens	1
03	0H08573A	LED Cover R	1
04	0J08531B	Cord Bushing LED	1
05	0C10382B	Collar SP Joint	4
06	CG09483A	Guide Plate SUB	2
07	0C10373A	T Belt Drive	1
08	0C10354A	Belt-ST	2
09	0C10358A	Roller F	8
10	0C10359A	Roller R	8
11	0C10391A	Spring Guide Plate	8
12	0C10362A	Flange SSP	8
13	0C10363A	Plate Roller	8
14	0C10407B	W Sheet	1
15	CG09473A	Cable Guide SUB	1
16	0C10384A	Flange DR	1
17	CA09443A	Plate Drive SUB	1
18	0C10361A	Worm 05	1
19	0C10409A	PW Guide	1
20	0C10357A	Pulley Drive	1
21	0C10372A	M Belt Drive	1
22	CA09444A	Plate D Top -SUB	1
23	0B42087A	CML 0.01 50V J	1
24	0B90929A	Motor Drive	1
25	0C10356B	Motor Pulley	1
26	0B85522A	GND Wire Ass'y	1
27	0C10287A	Damper Screw SL	3
28	0C10279A	Damper S SL	3
29	0C10379A	Plate Motor	1
30	0C10355A	Gear Hasu 05	1
31	0C10374A	Clutch Drive	1
32	0C10360A	S5M Pulley	2
33	CA09442A	Flange D SUB	1
34	0C10406B	W Slide R	1
35	0C10408B	Guide SP C	1
36	0C10431A	Wire T SP	1
37	0C10405A	SP Pulley SS	1
38	0C10404A	Shaft SP Pulley	1
39	0C10401A	SP Pulley	1
40	BA10223A	Sensor P.C.B. Ass'y	1
41	0C10366C	Plate TE Pulley	1
42	0C10383A	Shaft TP L	1
43	CA09441A	Flange DR SUB	1
44	0C10400A	Spring SP Guide	1
45	CG09484A	P Plate SUB	1
46	0C10381A	Flange Pulley	2
47	BA10244A	SP LED P.C.B. Ass'y	1
48	—	Satellite SP Ass'y	1
L01	0E04177A	PT4x12 + Binding (Black)	
L02	0E04214A	M5x20 Hex. Head	
L03	0E04210A	Washer 4.1x8x0.125	
L04	0E04047A	M3x3 + Bind	
L05	0E04221A	ST2x3 +Binding	
L06	0E00581A	Spring Washer 3mm	
L07	0E00766A	M3x8 + Binding	
L08	0E00896A	M3x6 + Binding	
L09	0E03669A	M2x4 + Binding	
L10	0E04198A	SP Plug	
L11	0E04212A	Washer 4x10x0.8	

2.3. Floor SP Ass'y - Satellite SP Ass'y (Front/Rear) (B01) [SS-21]

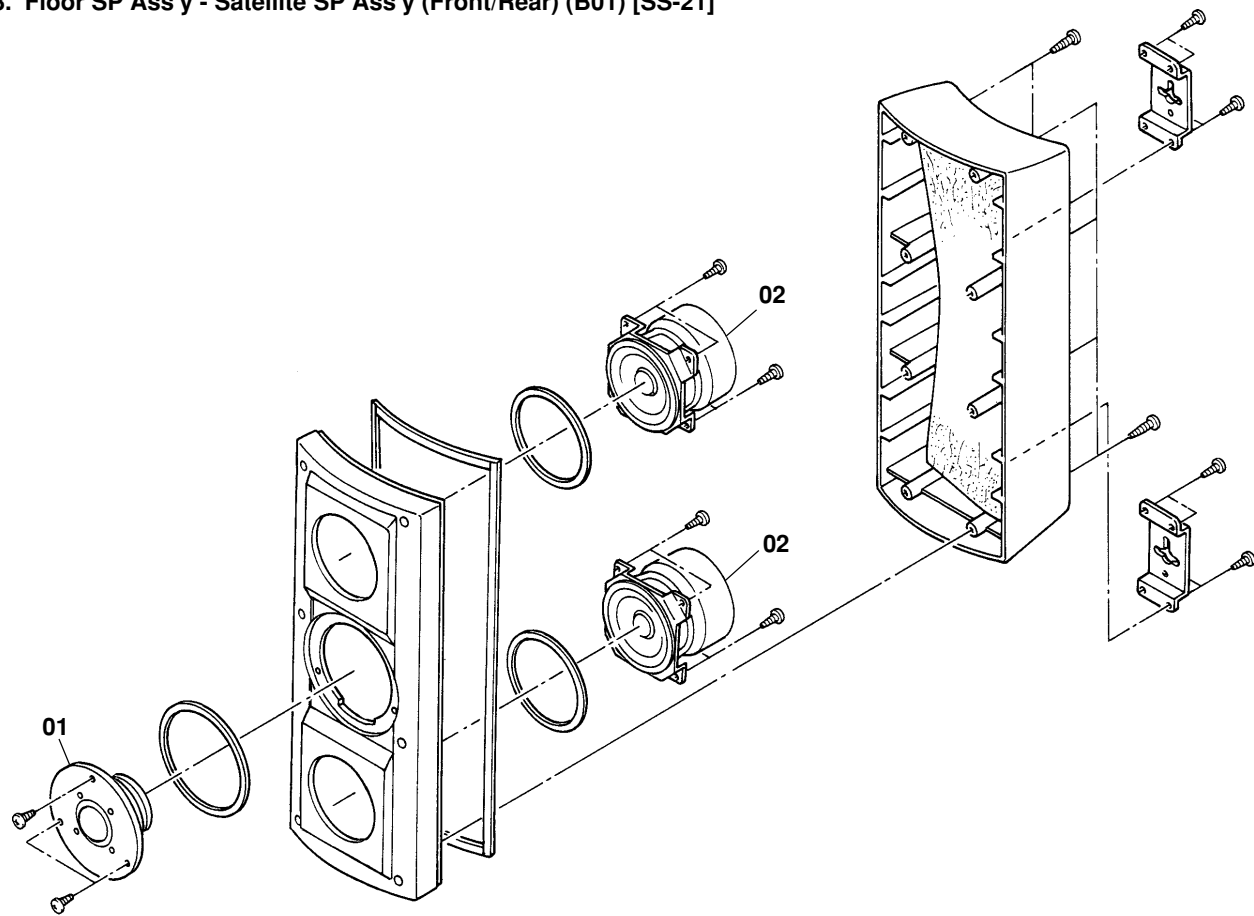


Fig. 2.3

2.3. Floor SP Ass'y - Satellite SP Ass'y (Front/Rear) (B01) [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
B01	—	Satellite SP Ass'y [SS-21]	1
01	CB00638A	Satellite Tweeter	1
02	CB00637A	Satellite Woofer Speaker S350F02	2

2.4. Center SP Ass'y [SS-21]

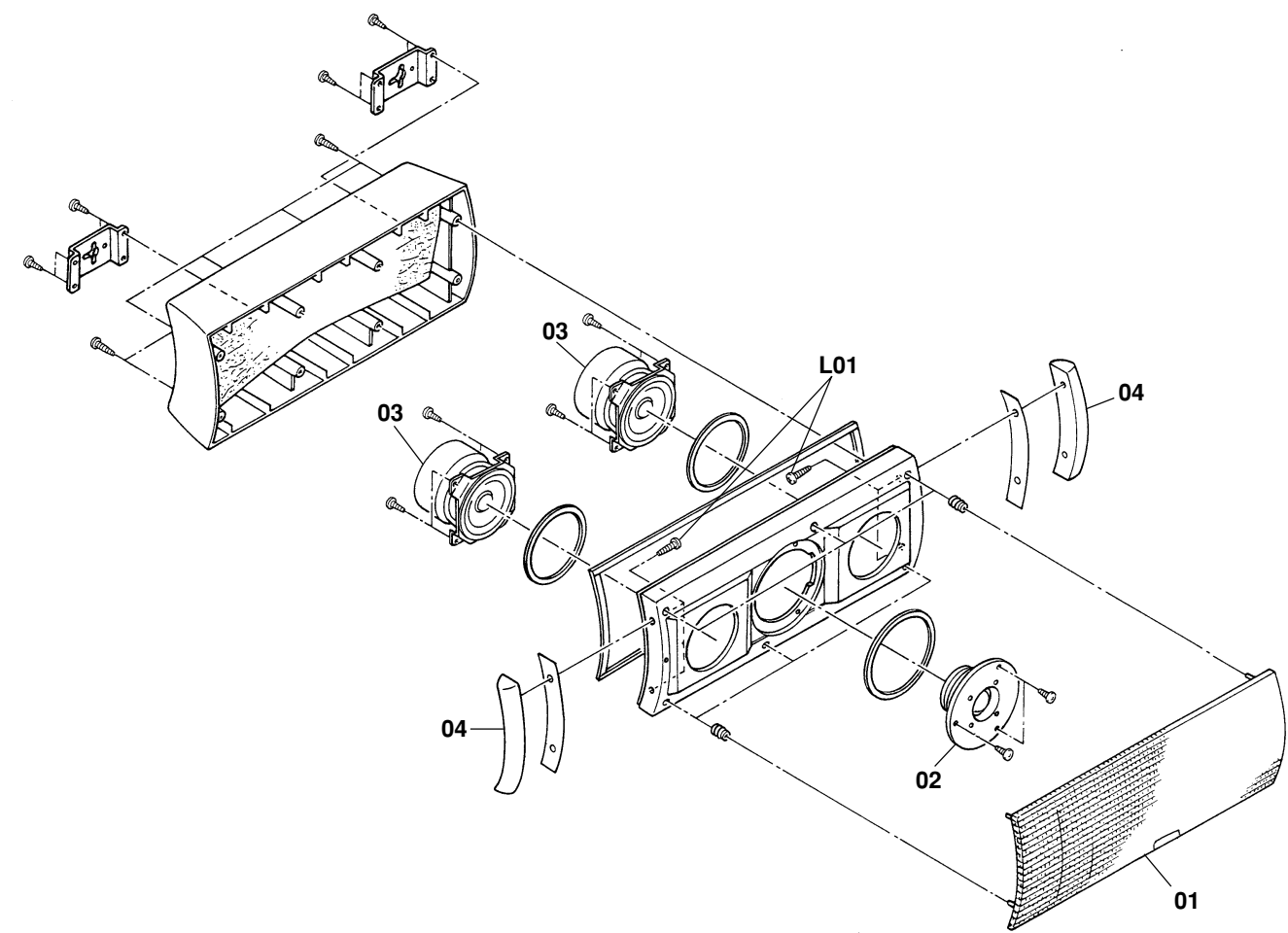


Fig. 2.4

2.4. Center SP Ass'y [SS-21]

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Center SP Ass'y [SS-21]	1
01	CB00636A	Grill GRY Ass'y Center	1
02	CB00638A	Satellite Tweeter	1
03	CB00637A	Satellite Woofer Speaker S350F02	2
04	0H08505D	Wood Pole Center	2
L01	0E04141A	4x6 + Pan Tapping	

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
 RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,
 RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,
 CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,
 CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10µ 16V

3. Parts marked with * show chip parts.

3.1. SP Cont. P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA10222A	SP Cont. P.C.B. Ass'y [SS-21]
IP902	0B11248A	IC Protector ICP-N5 0.25A
IP903	0B11640A	IC Protector ICP-N38 1.5A
IP904	0B11248A	IC Protector ICP-N5 0.25A
U901	0B12936A	IC UPD78P018FGC*
U902,903	0B11611A	IC TC4584BP
U904	0B11753A	IC NJM7805FA
U906	0B12917A	IC TA7267BP
Q902,903	0B10025A	TR 2SC945L
Q904,905	0B10025A	TR 2SC945L
ZD901	0B12165A	ZD RD9.1V JS B2
ZD902	0B12162A	ZD RD8.2V JS B2
ZD903	0B12153A	ZD RD6.2V JS B2
ZD904	0B12150A	ZD RD5.6V JS B2
D901,902	0B12249A	SID 1SS133
D903,904	0B12249A	SID 1SS133
D905,906	0B12249A	SID 1SS133
D907,908	0B12249A	SID 1SS133
D909,910	0B12586A	SiD 1N4002
D911,912	0B12586A	SiD 1N4002
X901	0B92034A	Resonator 4.19MHz
R901,902	0B09713A	RK 33K 1/6W J
R903,904	0B09713A	RK 33K 1/6W J
R905,906	0B09713A	RK 33K 1/6W J
R907	0B09713A	RK 33K 1/6W J
R908,909	0B09717A	RK 47K 1/6W J
R910	0B09717A	RK 47K 1/6W J
R911	0B09657A	RK 150 1/6W J
R912,913	0B09677A	RK 1K 1/6W J
R914	0B09677A	RK 1K 1/6W J
R916	0B09707A	RK 18K 1/6W J
R917	0B09679A	RK 1.2K 1/6W J
R918	0B25679A	RM 22K 1/4W F
R919	0B09689A	RK 3.3K 1/6W J
R920	0B09713A	RK 33K 1/6W J
R921	0B09677A	RK 1K 1/6W J
R922	0B09717A	RK 47K 1/6W J
R923	0B09681A	RK 1.5K 1/6W J
R924	0B09721A	RK 68K 1/6W J
R925	0B09701A	RK 10K 1/6W J
R926	0B09727A	RK 120K 1/6W J
R927	0B09717A	RK 47K 1/6W J
R928	0B09701A	RK 10K 1/6W J
R929	0B09725A	RK 100K 1/6W J
R930	0B09665A	RK 330 1/6W J
R931	0B09677A	RK 1K 1/6W J
R932	0B09717A	RK 47K 1/6W J
R933,934	0B09725A	RK 100K 1/6W J
R935	0B09725A	RK 100K 1/6W J
R936	0B09705A	RK 15K 1/6W J
R937	0B09641A	RK 33 1/6W J
R940,941	0B09677A	RK 1K 1/6W J
R942,943	0B09677A	RK 1K 1/6W J
R944,945	0B09677A	RK 1K 1/6W J
R946,947	0B09677A	RK 1K 1/6W J
R950	0B09717A	RK 47K 1/6W J

Schematic Ref. No.

Part No.

Description

R952	0B09725A	RK 100K 1/6W J
C301,302	0B40893A	CE 2200 25V
C303	0B40879A	CE 1000 16V
C901	0B42099A	CML 0.1 50V J
C904	0B40875A	CE 100 16V
C905	0B42231A	CML 1000P 50V J
C906	0B40915A	CE 1 50V
C907	0B42095A	CML 0.047 50V J
C908	0B40875A	CE 100 16V
C909	0B42247A	CE 0.1F 5.5V
C910,911	0B40875A	CE 100 16V
C912,913	0B42099A	CML 0.1 50V J
C914	0B42099A	CML 0.1 50V J
CN501	0B81463A	6P T-Post
CN502	0B81459A	2P T-Post
CN901	0B81464A	7P T-Post
CN902	0B84278A	2P T-Post BLK
CN903	0B84276A	2P T-Post RED
CP902	0B85489B	2P Connector Ass'y B
CP904	0B85524A	3P Wire Ass'y

3.2. Sensor P.C.B. Ass'y

Schematic Ref. No.

Part No.

Description

	BA10223A	Sensor P.C.B. Ass'y [SS-21]
R001,002	0B25525A	RK 270 1/10W J*
R003,004	0B25525A	RK 270 1/10W J*
R005,006	0B25525A	RK 270 1/10W J*
R007	0B25525A	RK 270 1/10W J*
CP901	0B85487B	2P Connector Ass'y A
CP903	0B85488B	7P Connector Ass'y A
PC001,002	0B10671A	Photo Reflector
PC003,004	0B10671A	Photo Reflector
PC005,006	0B10671A	Photo Reflector
PC007	0B10671A	Photo Reflector

3.3. Slide S P.C.B. Ass'y

Schematic Ref. No.

Part No.

Description

	BA10230A	Slide S P.C.B. Ass'y [SS-21]
CP503	0B85500A	2P Connector Ass'y C
SW903	0B70272A	Slide SW

3.4. Push S P.C.B. Ass'y

Schematic Ref. No.

Part No.

Description

	BA10231A	Push S P.C.B. Ass'y [SS-21]
CP501	0B85502A	6P Connector Ass'y
G901,902	0B80791A	Terminal
PJ901	0B80774A	Mini Jack H
SW901,902	0B70287A	Push SW SPPJ2
	0B70288A	Push SW Knob (2)

3.5. SP LED P.C.B. Ass'y

Schematic Ref. No.

Part No.

Description

	BA10244A	SP LED P.C.B. Ass'y [SS-21]
LED901	0B12900A	LED Blue
R951	0B25519A	RK 150 1/10W J*
C950	0B43210A	CC 1000P 50V J*
CP502	0B85501C	8P Connector Ass'y D

3.6. TR P.C.B. Ass'y

Schematic Ref. No.

Part No.

Description

	BA10250A	TR P.C.B. Ass'y [SS-21]
Q901	0B12938A	TR 2SB1481

4. IC BLOCK DIAGRAMS

U901 μ PD78P018FGC (Satellite Speaker Controller)

Pin No.	Signal Name	I/O	Function	Active	Standby
1	TP	—	—		
2-8	NC	—	—		
9	VSS	—	GND		
10	S1	I	Sensor signal 1 for detecting the speaker position.		
11	S2	I	Sensor signal 2 for detecting the speaker position.		
12	S3	I	Sensor signal 3 for detecting the speaker position.		
13	S4	I	Sensor signal 4 for detecting the speaker position.		
14	S5	I	Sensor signal 5 for detecting the speaker position.		
15	S6	I	Sensor signal 6 for detecting the speaker position.		
16	S7	I	Sensor signal 7 for detecting the speaker position.		
17	NC	—	—		
18	MOT1	O	Output to motor driver IC	H	L
19	MOT2	O	Output to motor driver IC	H	L
20	LED	O	LED ON control signal during speaker moving.	L	L
21	MUP	I	Manual Up key input.		
22	MDOWN	I	Manual Down key input.		
23	ADDRESS	I	Address bit to set whether the speaker is used for Front or Rear.		
24	VSS	—	GND		
25	NC	—	—		
26	NC	—	—		
27	MV1	O	Motor application voltage control signal.	L	L
28	MV2	O	Motor application voltage control signal.	L	L
29	MV3	O	Motor application voltage control signal.	L	L
30	MV4	O	Motor application voltage control signal.	L	L
31	MV5	O	Motor application voltage control signal.	L	L
32	MV6	O	Motor application voltage control signal.	L	L
33	NC	—	—		
34	NC	—	—		
35	RESET	I	Reset signal.	L	
36	REM	I	Remote controller signal.	H/L	—
37	BSENSE	I	BATT voltage detect input.	L	—
38	NC	—	—		
39	NC	—	—		
40	VDD	—	+5V		
41	X2	—	X'tal is connected (4.19 MHz).		
42	X1	—	X'tal is connected (4.19 MHz).		
43	IC	—	Grouned.		
44	NC	—	—		
45	XT1	—	Supplied with +5V.		
46	AVSS	—	Analog GND		
47-54	NC	—	—		
55	AVDD	—	+5V		
56	AVREF	—	Grouned.		
57-64	NC	—	—		

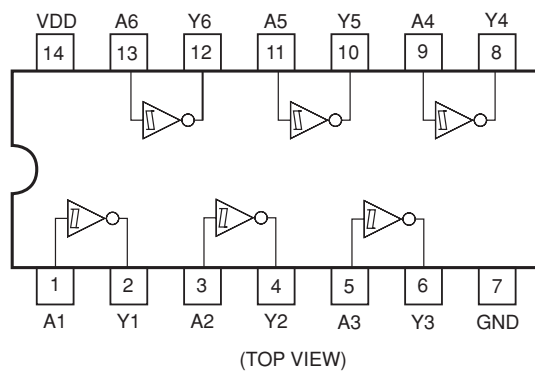


Fig. 4.1 Schmitt Inverter TC4584BP (U902, 903)

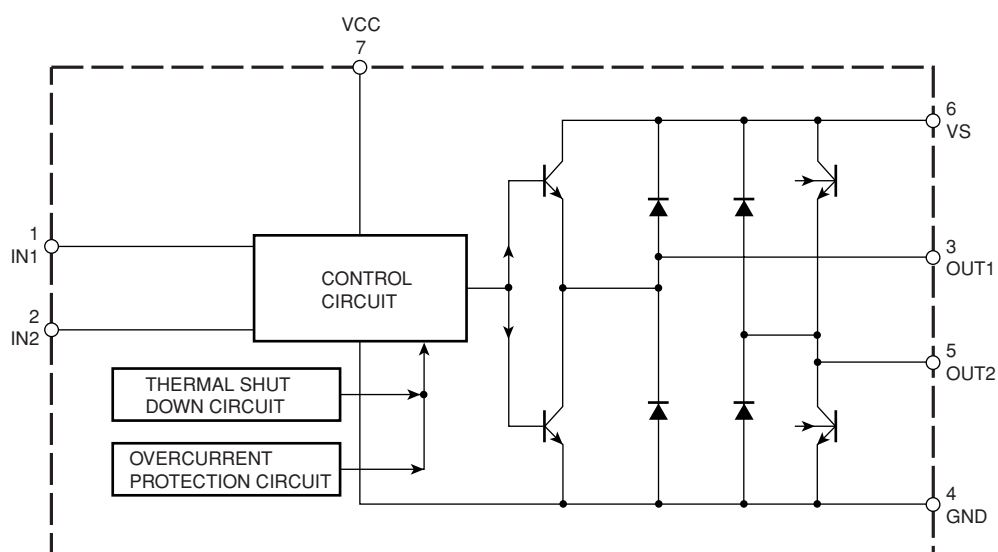


Fig. 4.2 Motor Driver TA7267BP (U906)

SPECIFICATIONS

■ Main Unit

CD Section

Outputs (SONY TYPE-3, Vol 49), 1 kHz, 0 dB

Pre Output Level 2.0 V $\pm$ 2 dB (Tr. No. 1)

Total Harmonic Distortion + Noise (SONY TYPE-3 Vol 49)

1 kHz 0 dB Less than 0.006% (Tr. No. 1)

Frequency Response (SONY TYPE-3, Vol 49)

Front 200 Hz to 20 kHz -1 dB $\pm$ 2 dB

Subwoofer 20 Hz 1 dB $\pm$ 2 dB

Channel Separation (SONY TYPE-3, Vol 49)

1 kHz 0 dB More than 75 dB (Tr. No. 30, 34)

Signal-to-Noise Ratio (SONY TYPE-3, Vol 49) More than 95 dB (Tr. No. 23)

De-emphasis (SONY TYPE-3, Vol 49)

1 kHz -0.4 dB $\pm$ 2 dB (Tr. No. 39)

5 kHz -4.5 dB $\pm$ 2 dB (Tr. No. 40)

16 kHz -9 dB $\pm$ 2 dB (Tr. No. 41)

Dynamic Range

1 kHz -60 dB More than 95 dB (Tr. No. 20)

Interruption (A-BEX TCD-725A) Not be interrupted at 0.7 mm (Tr. No. 3)

Black Dot (A-BEX TCD-725A) Not be interrupted at 0.6 mm (Tr. No. 8)

Finger Print (A-BEX TCD-725A) Not be disturbed by simulated finger print
except for Noise at 65 μ m (Tr. No. 13)

Eccentricity (A-BEX TCD-712R) Except for Noise at 140 μ m (Tr. No. 1,15)

DVD Player Section

Outputs (VT-501 T51 C1 1 kHz/C9 30 Hz, Vol 49)

Front, Center, Rear 2.0V $\pm$ 2 dB

Subwoofer LFE ATT ON 1.2V $\pm$ 2 dB

LFE ATT OFF 3.8V $\pm$ 2 dB

Total Harmonic Distortion + Noise (VT-501 T9 C7, Vol 49)

1 kHz 0 dB Less than 0.03%

Frequency Response (VT-501 T50 C1/20 kHz C6/1 kHz, Vol 49)

Front, Center, Rear 20 kHz 0 dB $\pm$ 2 dB

Interruption (PTD5-INT) Not be interrupted at 0.5 mm (T1, C8)

Black Dot (A-BEX TDV-525) Not be interrupted at 0.4 mm (C7)

Finger Print (A-BEX TDV-525) Not be disturbed by simulated finger print at 65 μ m (C13)

Vertical Deviation (A-BEX TDV-532) Not be interrupted at 0.6 mm (C16)

Eccentricity (A-BEX TDV-512) Not be interrupted at 100 μ m (C1)

■ Tuner Section

FM Tuner Section

•Standard Test Condition (S.T.C.)

RF input levels are given re 75 Ω Antenna Terminal, 1 kHz, 65 dBf.

Modulation Mono: 100%, Stereo: Pilot 10%, Audio Signal: 90%

RF Frequency

Except Japan 98.1 MHz

Japan 83.0 MHz

Tuning Range	
U.S.A./Canada	87.5 - 107.9 MHz in 200 kHz steps
Japan	76.0 - 90.0 MHz in 100 kHz steps
Other Area	87.5 - 108.0 MHz in 50 kHz steps

•Mono

Usable Sensitivity (THD 3%)	
Japan	Less than 20 dB μ V
Except Japan	Less than 30 dB μ V
Quieting Sensitivity (S/N = 50 dB)	
Japan	Less than 25 dB μ V
Except Japan	Less than 35 dB μ V
Output Level	460 mV $\pm$ 3 dB
Signal-to-Noise Ratio	More than 65 dB
Distortion	Less than 1.5%
Frequency Response (at 1 kHz 0 dB without IHF Filter)	
30 Hz	-3 dB $\pm$ 3 dB
15 kHz	-15 dB $\pm$ 3 dB
Seek Stop Level	Within 20 dB μ V to 46 dB μ V
Limiting Sensitivity (Output -3 dB)	Less than 20 dB μ V

•Stereo

Stereo Separation (1 kHz)	
Japan	More than 30 dB
Except Japan	More than 18 dB
Signal-to-Noise Ratio	More than 60 dB
Distortion	Less than 1.5%

AM Tuner Section**•Standard Test Condition (S.T.C.)**

RF input levels are given by Loop Antenna, 90 dB/m.

Modulation 30% mod, 400 Hz

RF Frequency

U.S.A. Band 1000 kHz

Europe Band 999 kHz

Tuning Range

U.S.A./Canada 530 kHz - 1,710 kHz in 10 kHz steps

EP 522 kHz - 1,611 kHz in 9 kHz steps

Other Area 531 kHz - 1,602 kHz in 9 kHz steps

Japan 522 kHz - 1,629 kHz in 9 kHz steps

Usable Sensitivity (S/N = 20 dB)	Less than 64 dB μ
Output Level	140 mV $\pm$ 3 dB
Signal-to-Noise Ratio (at 0 dB=Above Output Level) .	More than 40 dB
Distortion	Less than 2.0%
Frequency Response (at 400 Hz 0 dB without Filter)	
50 Hz	-16 dB $\pm$ 3 dB
3 kHz	-10 dB $\pm$ 5 dB
Seek Stop Level	Within 45 dB μ to 63 dB μ

■ Preamplifier Section

•Standard Test condition (S.T.C.)

Signal	1 kHz
Input AUX	200 mV
Output Pre out	1000 mV

Sensitivity (Output 1000 mV)

Front L/R	1 kHz	200 mV $\pm$ 2 dB
Subwoofer L/R	20 Hz	180 mV $\pm$ 2 dB
Subwoofer	20 Hz	125 mV $\pm$ 2 dB

Signal-to-Noise Ratio (Input Shorted) More than 82 dB (A-WTD)

Frequency Response (Center: Pro Logic, Ref. 200 Hz)

Front, Center	200 Hz to 20 kHz	0 dB $\pm$ 2 dB
	60 Hz	-12 dB $\pm$ 2 dB
Subwoofer L/R	20 Hz	1 dB $\pm$ 2 dB (L/R Input)
	240 Hz	-11 dB $\pm$ 2 dB
Subwoofer	20 Hz	+3.5 dB $\pm$ 2 dB
	1.6 kHz	-2.5 dB $\pm$ 2 dB

Distortion Less than 0.03%

Separation

1 kHz	More than 65 dB
-------------	-----------------

Tone Control (VR. Max.)

Bass	Subwoofer 20 Hz	+10 dB $\pm$ 2 dB
		-10 dB $\pm$ 2 dB
Treble	Front, Center (at Pro Logic) 20 kHz	+10 dB $\pm$ 2 dB
		-10 dB $\pm$ 2 dB

Loudness (VR: 30)

Subwoofer	20 Hz	+10 dB $\pm$ 3 dB
Front, Center (at Pro Logic)	20 kHz	+6 dB $\pm$ 3 dB

Output (Input 200 mV)

Remote	1 kHz	280 mV $\pm$ 2 dB
Rec Out	1 kHz	200 mV $\pm$ 2 dB

Maximum Output Level

1% THD	More than 7 V
--------------	---------------

■ Power Amplifier Section

•Standard Test Condition (S.T.C.)

Signal	1 kHz
Output	1 W

Output Power (1 ch driven, 1 kHz)

Front, Center, Rear	4 Ω Load	More than 30 W at 0.1% Dist.
Woofer	4 Ω Load	More than 50 W at 0.1% Dist.

Frequency Response

20 Hz to 20 kHz	0 dB $\pm$ 2 dB
-----------------------	-----------------

Distortion (at Rated Power)

20 Hz to 20 kHz	Less than 0.3%
-----------------------	----------------

Signal-to-Noise Ratio (Input short)	
At Rated Power	More than 95 dB (A-WTD)
Input Sensitivity (at Rated Power)	
Front, Center, Rear	850 mV $\pm$ 2 dB
Subwoofer	1100 mV $\pm$ 2 dB

■ Speaker Section

Subwoofer

Enclosure	Bass-reflex type
Driver Unit	20 cm cone/magnetically shielded
Impedance	4 Ω
Rated Power Handling	50 W
Maximum Power Handling	80 W

Front/Center/Rear Speakers

Enclosure	2-way sealed type
Driver Units	
Mid-range/woofer	8 cm cone/magnetically shielded
Tweeter	2.5 cm soft dome/magnetically shielded
Impedance	4 Ω
Rated Power Handling	30 W
Maximum Power Handling	50 W

■ Remote Control Units

Principle	Infrared pulse system
Power Supply	
Main Remote Control	For signal transmission: 3 V DC (1.5 V $\times$ 2) For backlighting: 6 V DC (1.5 V $\times$ 4)
Sub Remote Control	3 V DC (1.5 V $\times$ 2)
Dimensions*	
Main Remote Control	210 (W) $\times$ 55 (H) $\times$ 130 (D) mm
Sub Remote Control	49 (W) $\times$ 26 (H) $\times$ 110 (D) mm
Mass	
Main Remote Control	Approx. 700 g (including batteries)
Sub Remote Control	Approx. 60 g (including batteries)

■ General

Power Source	120 V AC, 60 Hz (U.S.A./Canada) 230 V AC, 50/60 Hz (Europe) 100 V AC, 50/60 Hz (Japan) AC 110 - 120 V or AC 220 - 240 V, 50/60 Hz (Other)
Power Consumption	
A/V Tuner/Processor Unit	Max. 75 W
Subwoofer Unit (L)	Max. 340 W
Subwoofer Unit (R)	Max. 275 W
AC Outlets	Switched $\times$ 2, max. 200 W (total)

Dimensions*

[SS-10/11]

Main Unit	205 (W) × 430 (H) × 120 (D) mm
A/V Tuner/Processor Unit	430 (W) × 100 (H) × 325 (D) mm
Subwoofer Unit	294 (W) × 565 (H) × 392 (D) mm
Satellite Speaker	120 (W) × 347 (H) × 117 (D) mm
Center Speaker	347 (W) × 120 (H) × 117 (D) mm

[SS-21]

Main Unit	350 (W) × 1,511 (H) × 282 (D) mm
A/V Tuner/Processor Unit	430 (W) × 100 (H) × 325 (D) mm
Subwoofer Unit	311 (W) × 565 (H) × 392 (D) mm
Satellite Speaker	350 (W) × 1,511 (H) × 282 (D) mm
Center Speaker	393 (W) × 120 (H) × 117 (D) mm

Mass

[SS-10/11]

Main Unit	Approx. 5.1 kg
A/V Tuner/Processor Unit	Approx. 6.9 kg
Subwoofer Unit	Approx. 18.4 kg
Satellite Speaker	Approx. 2.8 kg

[SS-21]

Main Unit	Approx. 22.8 kg
A/V Tuner/Processor Unit	Approx. 7.0 kg
Subwoofer Unit	Approx. 17.8 kg
Satellite Speaker	Approx. 32.8 kg
Center Speaker	Approx. 2.9 kg

Supplied Accessories

[SS-10/11]

IEC R6 (size AA) battery for main remote control (6)
 IEC R3 (size AAA) battery for sub remote control (2)
 AM loop antenna (1)
 Dipole antenna (1)
 Antenna adapter (1)
 DIN cable (large) (1)
 DIN cable (small) (1)
 S-Video cable (1)
 Coaxial digital cable (1)
 RCA pin plug cable (4 plugs) (1)
 RCA pin plug cable (3 plugs) (1)
 Subwoofer control cable (2)
 Speaker cable 5 m (3)
 Speaker cable 15 m (2)
 Main unit desktop stand (1)
 Front speaker desktop stand (2)
 Main unit installation fitting (2)
 Bracket A (1)
 Bracket B (1)
 M5×20 self-tapping screw (2)
 Speaker fastening screw (10)
 M5×16 self-tapping screw (6)
 M5×8 screw (6)

[SS-21]

M3×12 screw (4)
 Screw with washer (2)
 Main unit template (1)
 Speaker template (1)
 Wall fastening template (1)

 IEC R6 (size AA) battery for main remote control (6)
 IEC R3 (size AAA) battery for sub remote control (2)
 AM loop antenna (1)
 Dipole antenna (1)
 Antenna adapter (1)
 DIN cable (large) (1)
 DIN cable (small) (1)
 S-Video cable (1)
 Coaxial digital cable (1)
 RCA pin plug cable (4 plugs) (1)
 RCA pin plug cable (3 plugs) (1)
 Subwoofer control cable (2)
 Cable stopper (1)
 Power Cord (3)
 Speaker cable 5 m (3)
 Speaker cable 15 m (2)
 Speaker control cable 5 m (2)
 Speaker control cable 15 m (2)
 Bracket A (1)
 Bracket B (1)
 Speaker fastening screw (2)
 M5×16 self-tapping screw (6)
 M5×8 screw (2)
 Screw with washer (2)
 Center speaker template (1)
 Wall fastening template (1)
 Rubber foot (4)
 Cushion pad (8)

* Dimensions do not include protruding parts. Height is the panel height.

- Specifications and design are subject to change for further improvement without notice.
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- DTS and DTS Digital Surround are trademarks of Digital Theater Systems, Inc.

Nakamichi Corporation	1-153 Suzukicho, Kodaira, Tokyo 187-8501, Japan Phone: 81 (42) 342-1111
Nakamichi America	18375 S Broadwick Street Rancho Dominguez, CA 90220 Phone: 1 (310) 631-2122 Fax: 1 (310) 631-2760
Nakamichi Asia	8/F The Grande Bldg., 398 Kwun Tong Rd., Kowloon, Hong Kong Phone: 852-2357-6690 Fax: 852 -2357-6697
Nakamichi Europe	8th Floor, Hayes Gate House, 27 Uxbridge Road Hayes, Middlesex, UB4 OJN, England Phone: 44-181-581-9191 Fax: 44-181-581-9153
Web Site	http://www.nakamichi.com

5.3-5.9 LCD P.C.B. Ass'y, etc

REM P.C.B. Ass'y

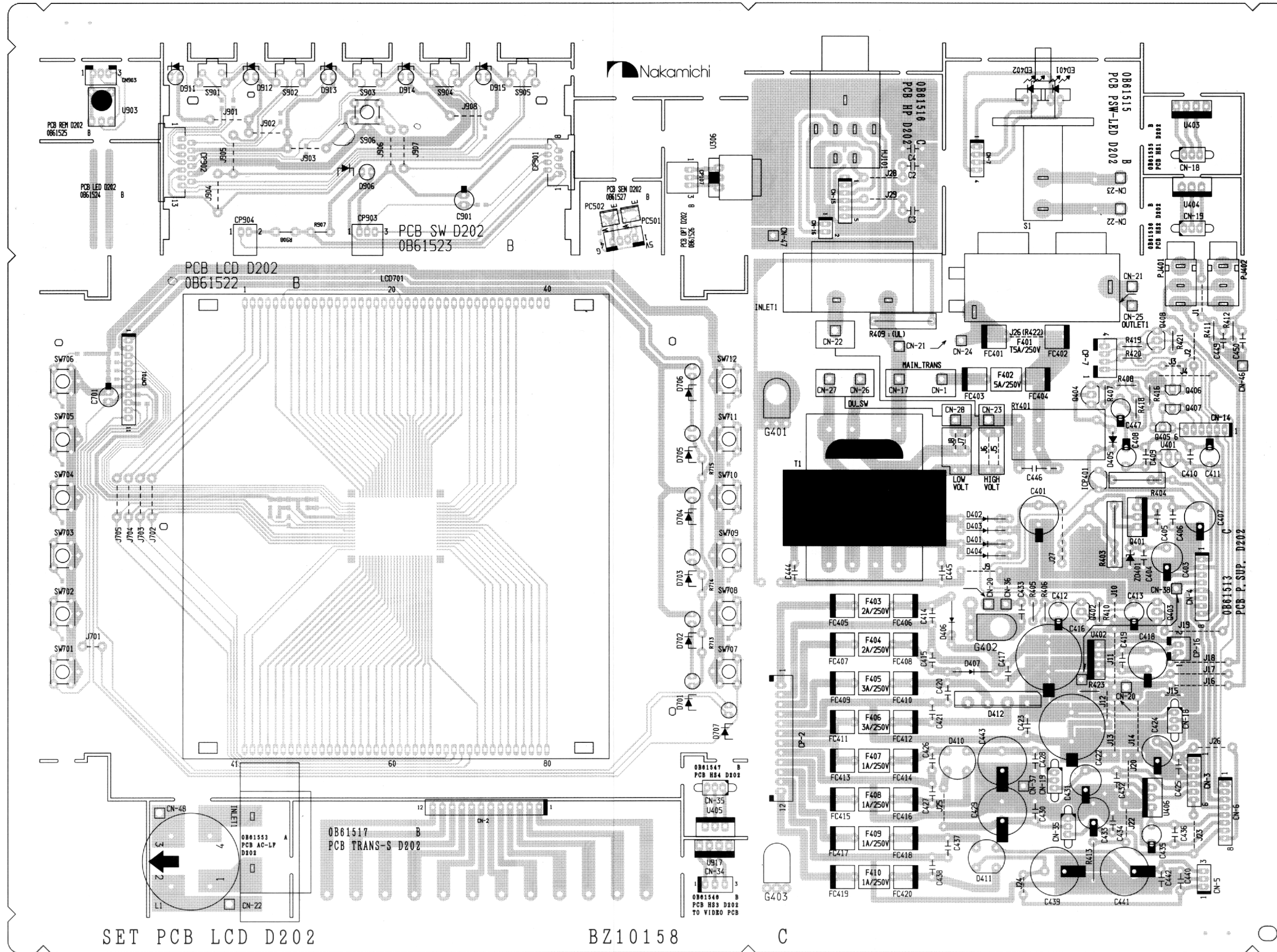
SW P.C.B. Ass'y

OPT P.C.B. Ass'y
Sen P.C.B. Ass'y

Headphone P.C.B. Ass'y
(A/V Tuner Processor Unit Section)PSW-LED P.C.B. Ass'y
(AV Tuner Processor Unit Section)

LED P.C.B. Ass'y

LCD P.C.B. Ass'y

HS2 P.C.B. Ass'y/HS1 P.C.B. Ass'y
(AV Tuner Processor Unit Section)

P. Supply P.C.B. Ass'y (A/V Tuner Processor Unit Section)

AC LF P.C.B. Ass'y
(A/V Tuner Processor Unit Section)

Trans-S P.C.B. Ass'y
(A/V Tuner Processor Unit Section)

HS3 P.C.B. Ass'y/HS4 P.C.B. Ass'y (A/V Tuner Processor Unit Section)

Fig. 5.3.1 Component Side

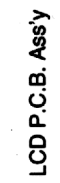


Fig. 5.3.2 Dip Side

2.11. Video P.C.B. Ass'y

Video P.C.B. Ass'y

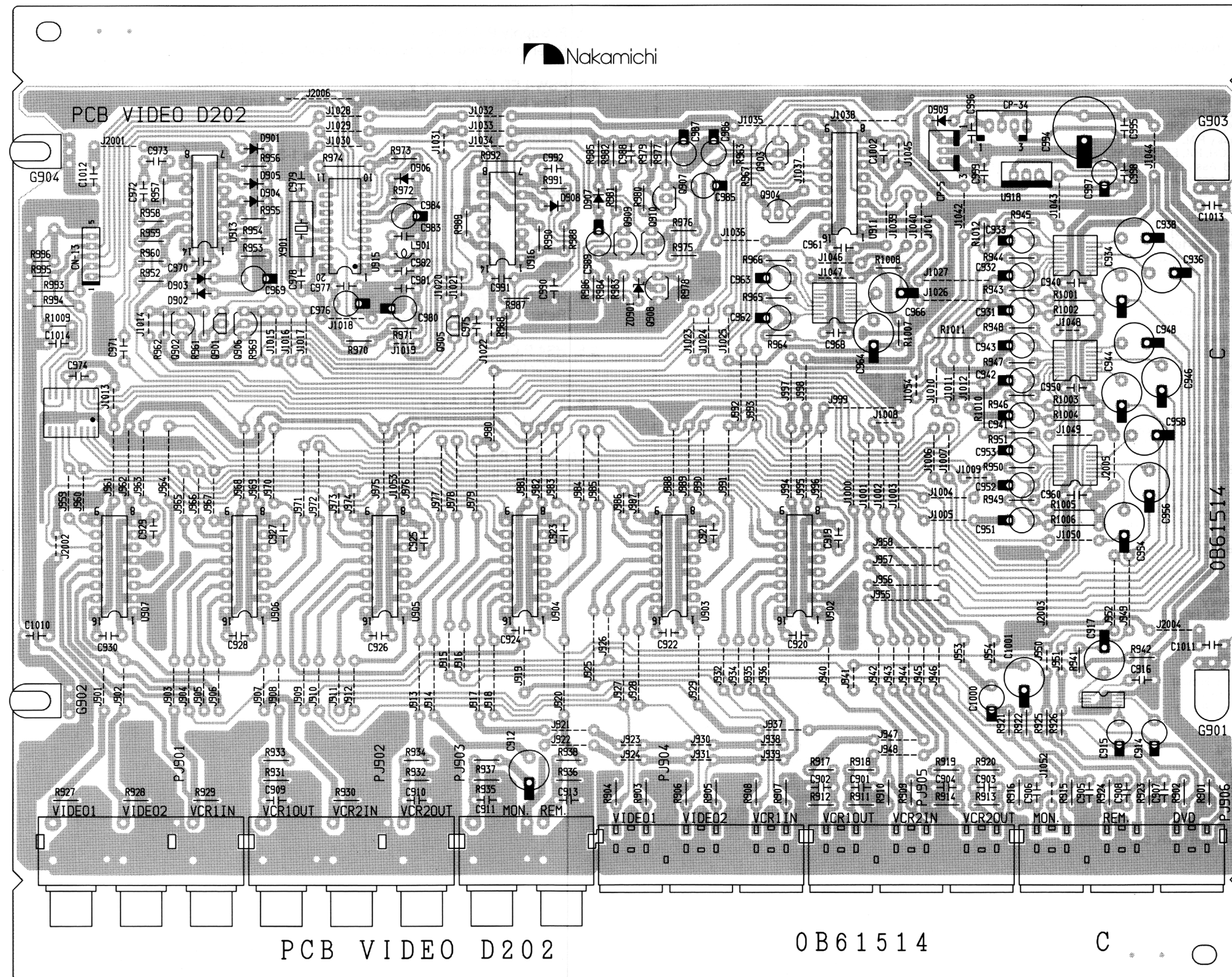


Fig. 2.1.1 Component Side

Video P.C.B. Ass'y

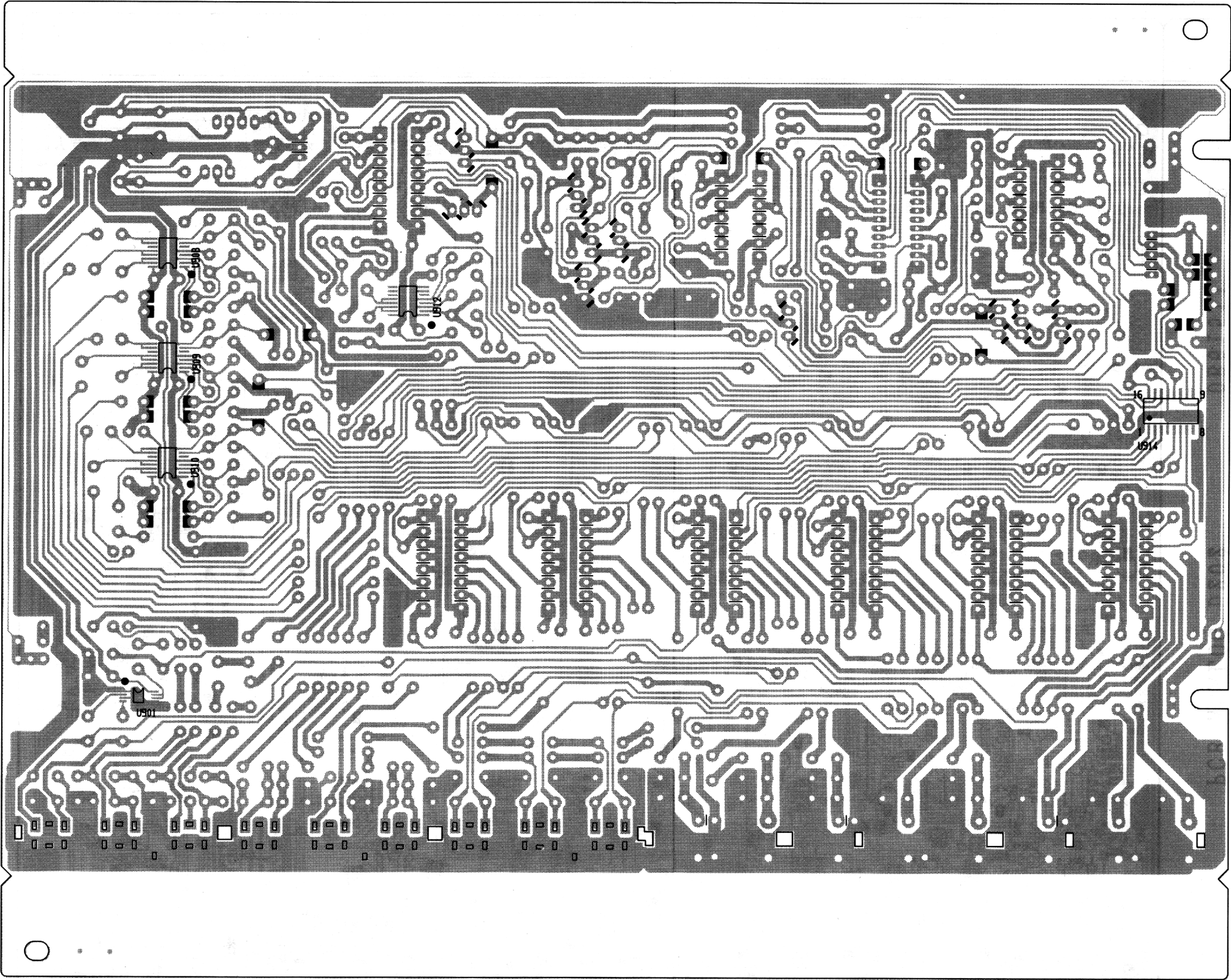


Fig. 2.1.2 Dip Side

2.12. Analog P.C.B. Ass'y

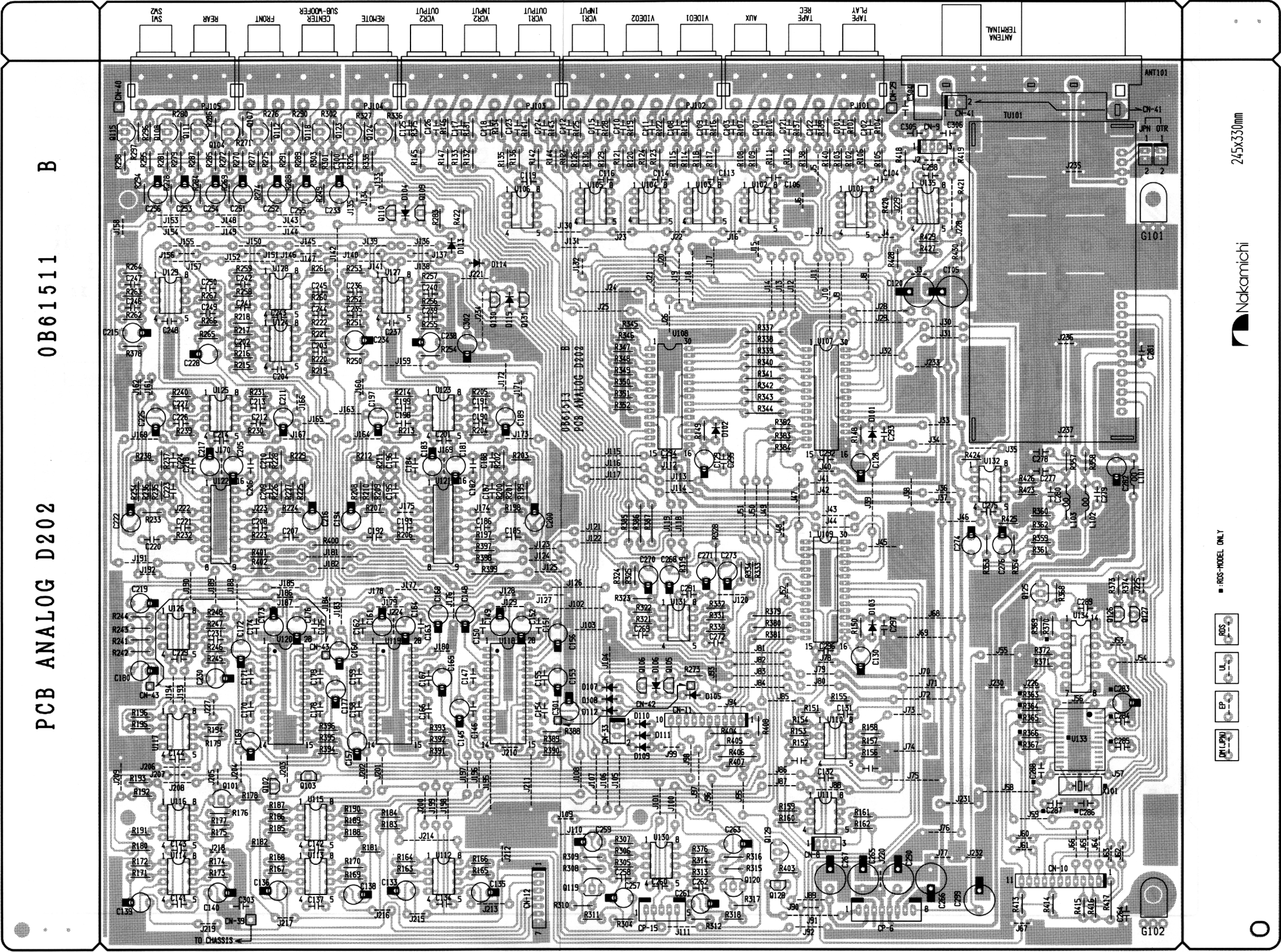


Fig. 2.2.1 Component Side

Analog P.C.B. Ass'y

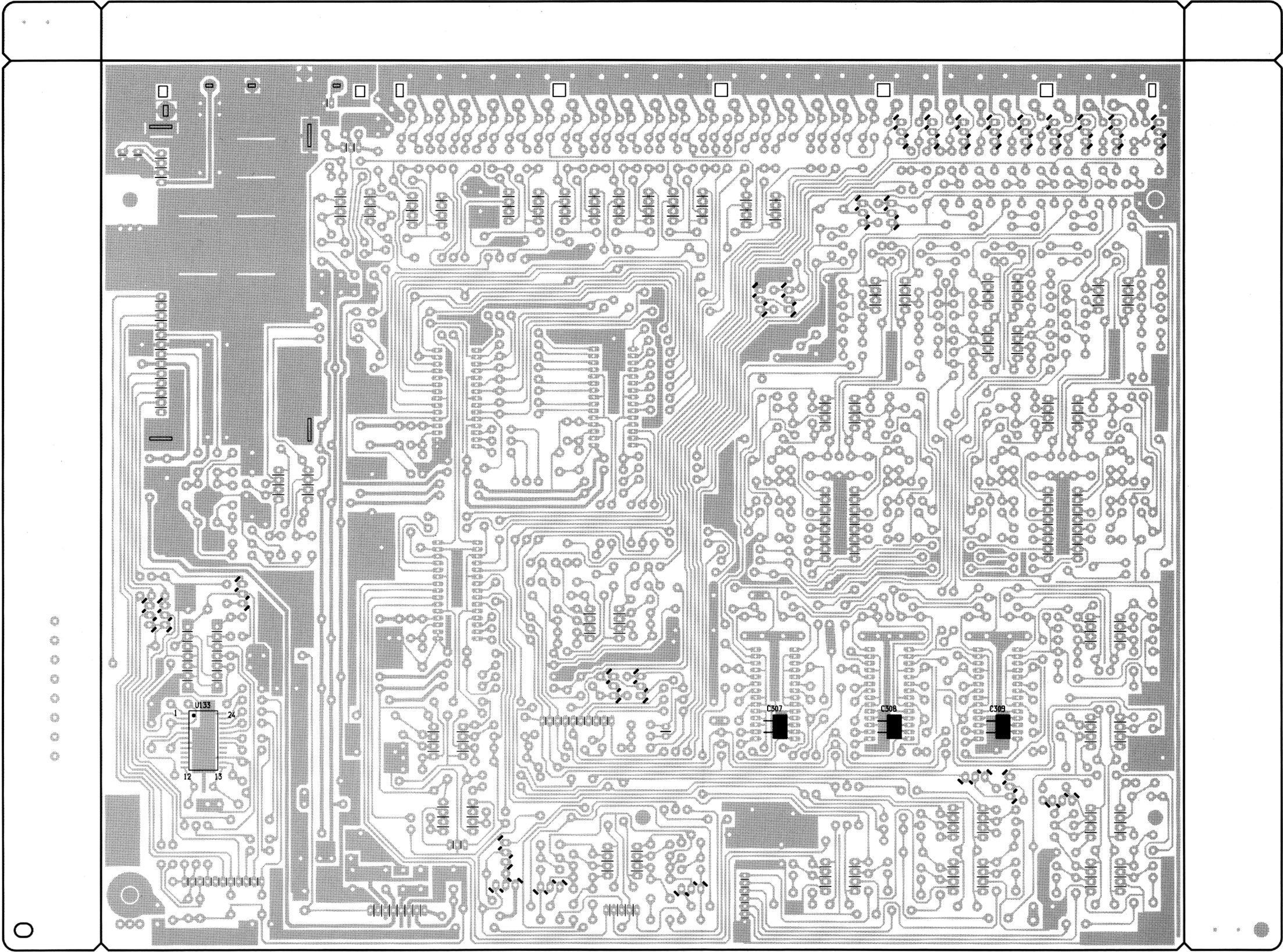
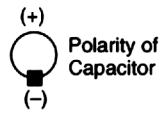
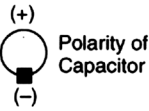


Fig. 2.2.2 Dip Side



3. MOUNTING DIAGRAMS AND PARTS LIST



SP Cont. P.C.B. Ass'y

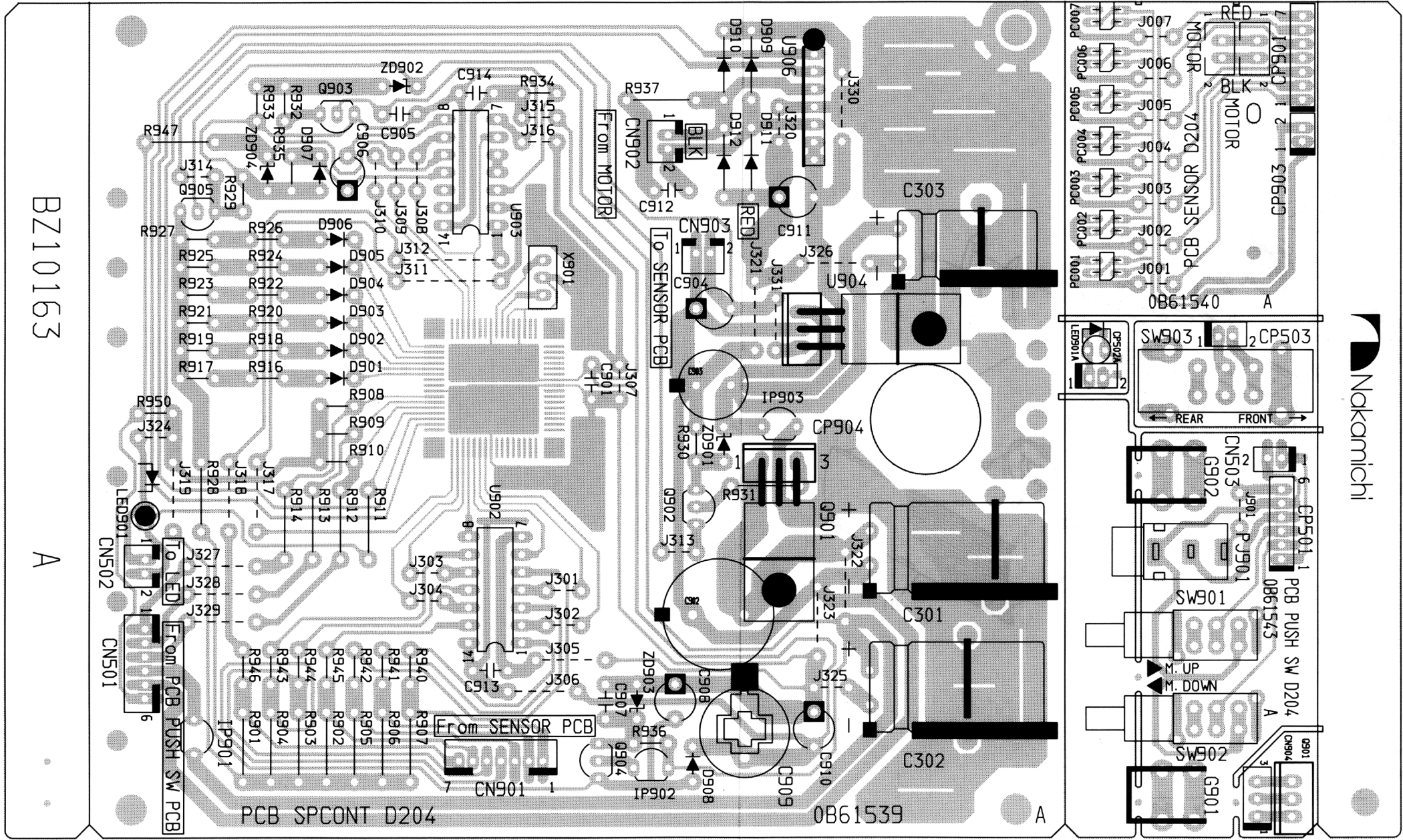


Fig. 3.1 Component Side

SP Cont. P.C.B. Ass'y

Sensor P.C.B. Ass'y

SP LED P.C.B. Ass'y

Slide S P.C.B. Ass'y

Push S P.C.B. Ass'y

TR P.C.B. Ass'y

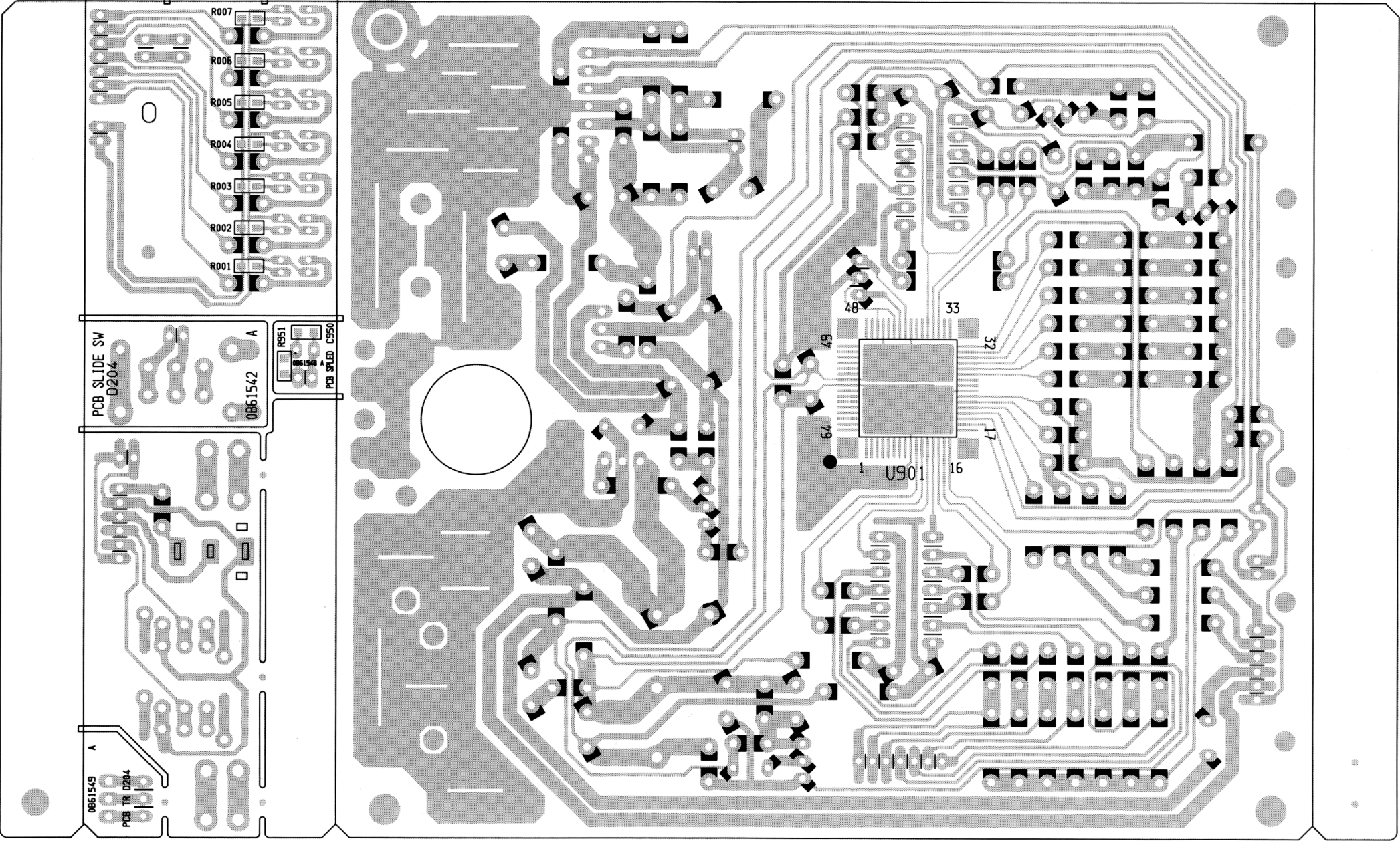
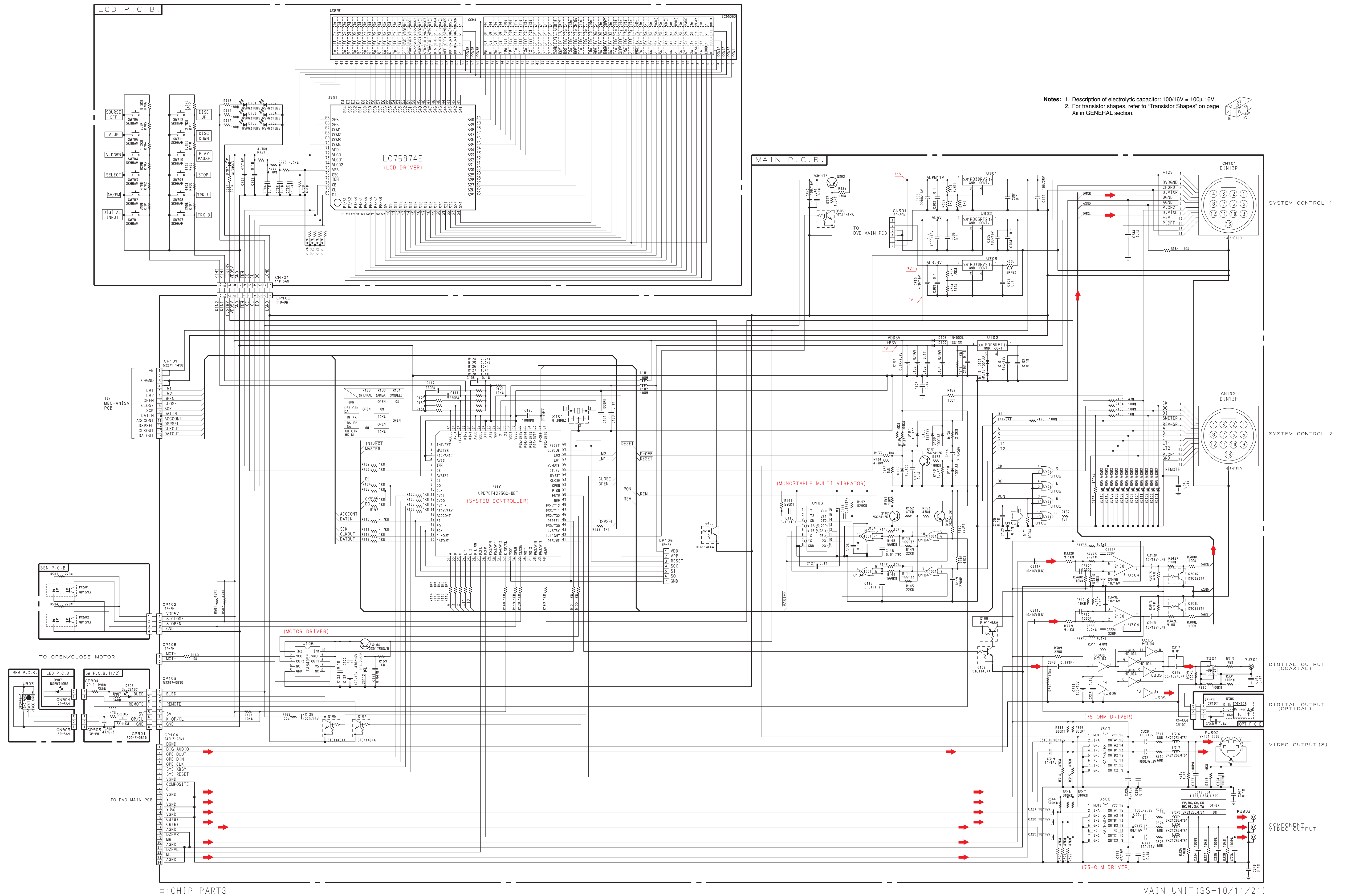


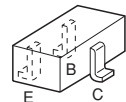
Fig. 3.2 Dip Side

S-10/11/21



Main Unit (2/3)
Mechanism Control Section
(C3M1: New)

- Notes:
- 1. Description of electrolytic capacitor:
100/16V = 100μ 16V
 - 2. For transistor shapes, refer to "Transistor Shapes" on page Xii in GENERAL section.



DVD MECHANISM

DVD TRAVERSE MECHA

DCNT.HOME

DCNT

DLOCK

STOCKER MOTOR

UP/DOWN MOTOR

LOADING MOTOR

LOADING.PULSE

UD.PULSE

UD.HOME

LOADING.INOUT

SHUTTER

DOOR

UD.HOME

UD.HOME

UD.HOME

UD.HOME

UD.HOME

MECHANISM P.C.B. (C3M1)

(3-PHASE MOTOR DRIVER)

(MOTOR DRIVER)

(MOTOR DRIVER)

(MOTOR DRIVER)

(MOTOR DRIVER)

(MOTOR DRIVER)

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(MOTOR DRIVER)

(POWER DRIVER)

(MECHANISM CONTROLLER)

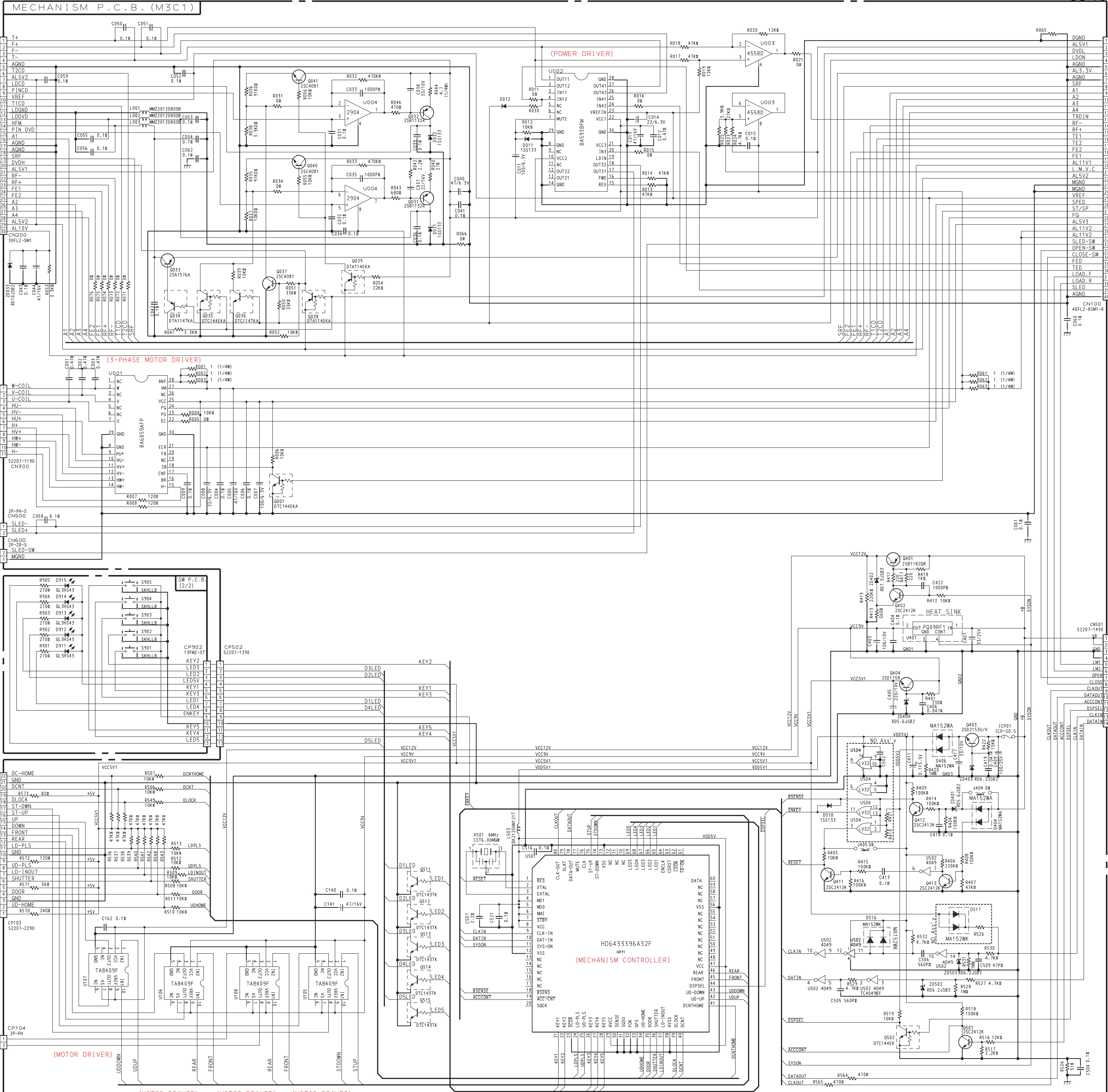
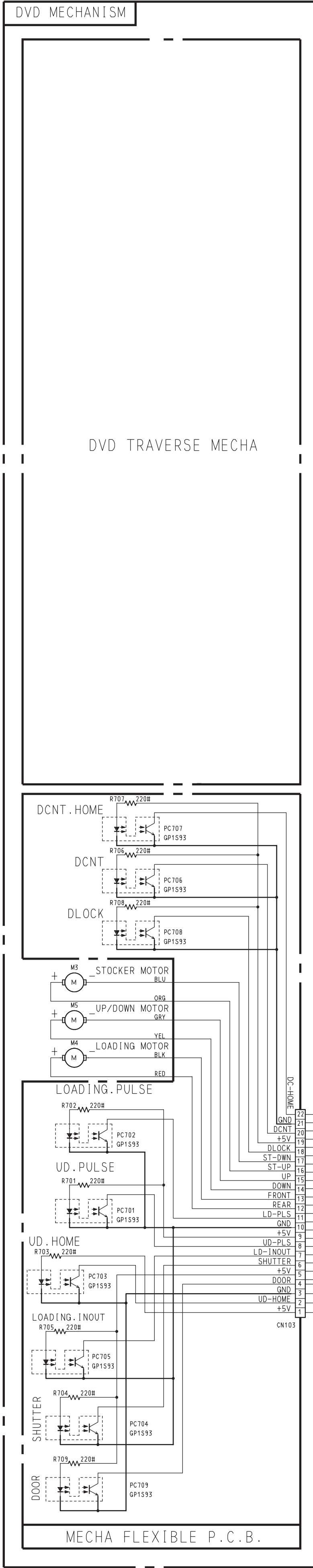
: CHIP PARTS

(2/9)

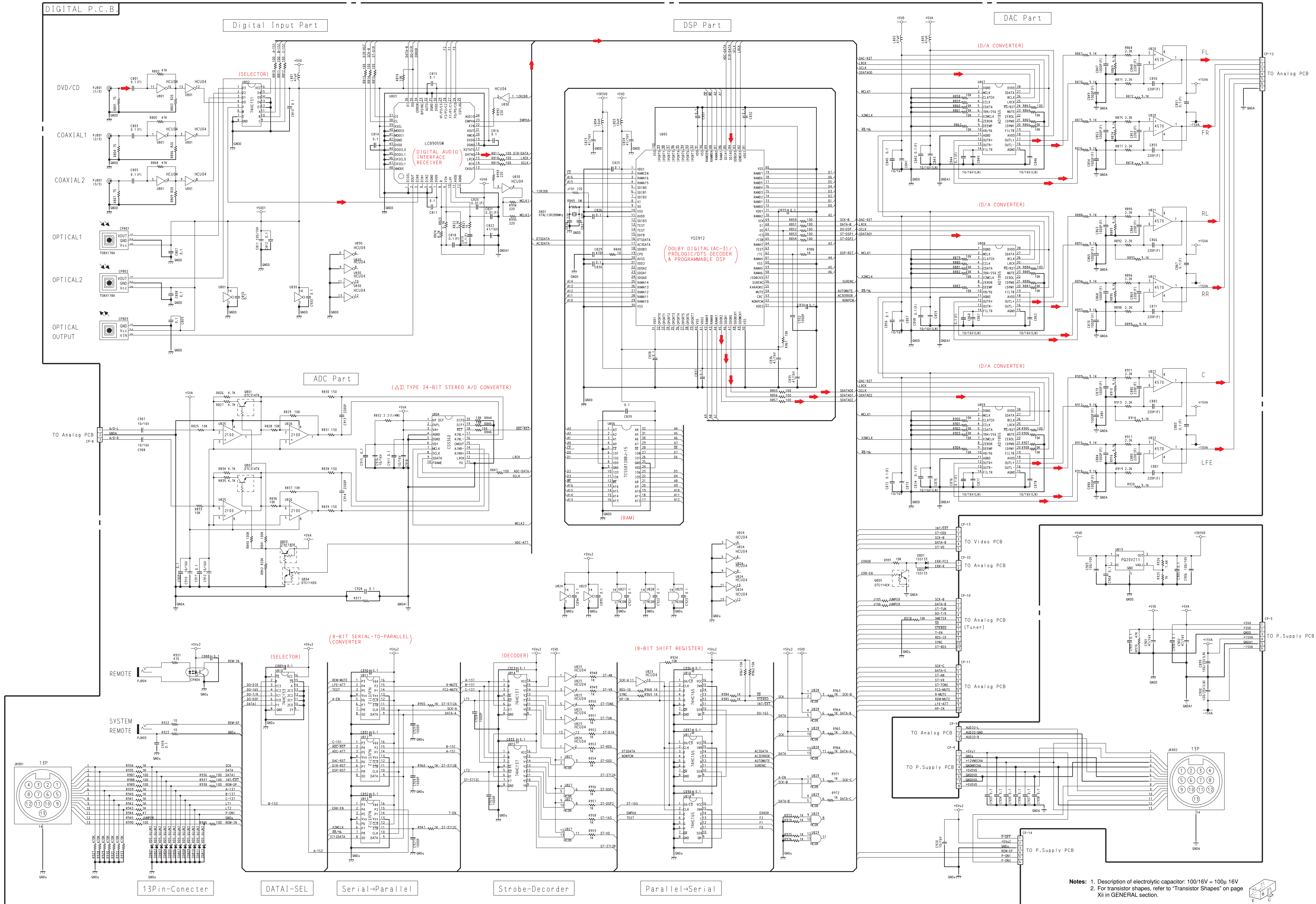
MAIN UNIT (SS-10/11/21)

SS-10/11/21

Main Unit (3/3)
Mechanism Control Section
(M3C1: Current)

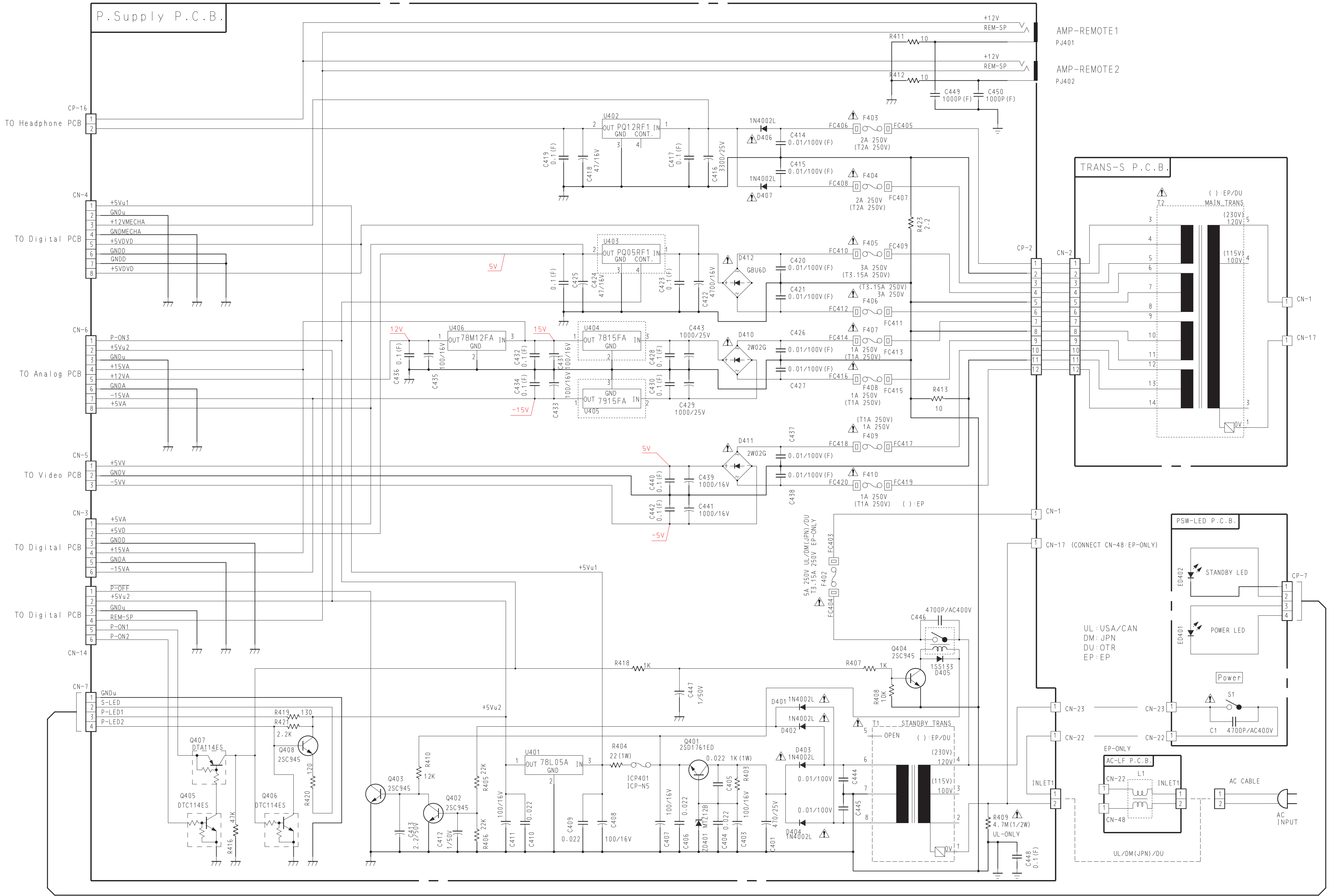






Notes: 1. Description of electrolytic capacitor: 100/16V = 100μ 16V
2. For transistor shapes, refer to "Transistor Shapes" on page XII in GENERAL section.





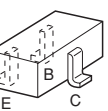
* WARNING :

Parts marked with this symbol  have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

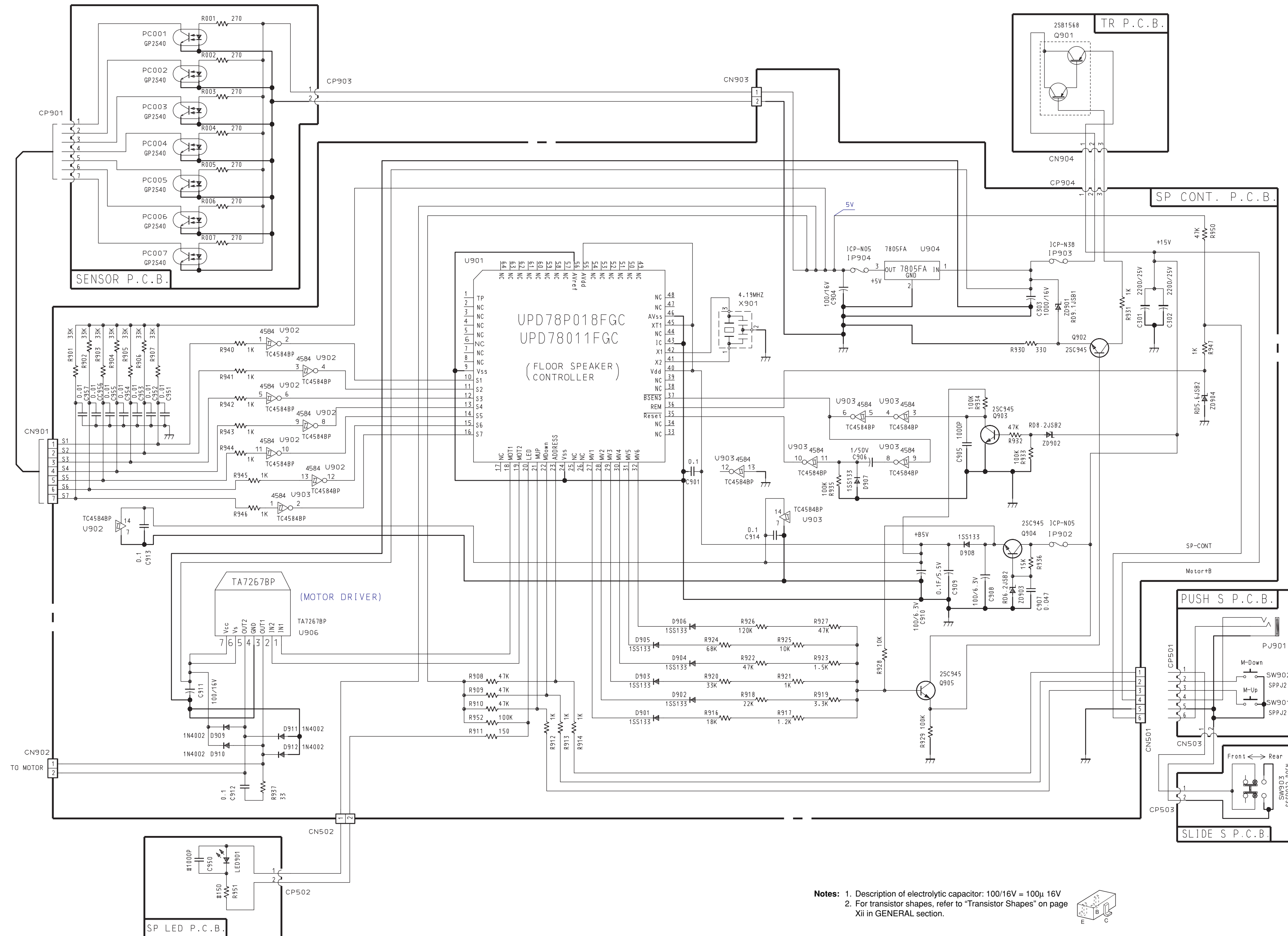


Notes:

1. Description of electrolytic capacitor: 100/16V = 100 μ 16V
2. For transistor shapes, refer to "Transistor Shapes" on page XII in GENERAL section.



Floor Speaker Control Section [SS-21 Only]



FLOOR SPEAKER (SS-21)