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Service Manual

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ORDER NO. MD0205134C2

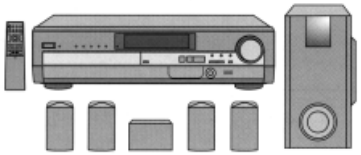
Service Manual

DVD Home Theatre Sound System

- SA-HT75E
  SA-HT75EB
  SA-HT75EG
  SA-HT75EE

Colour

(S)... Silver Type



Specifications

AMPLIFIER SECTION	
RMS TTL Power Output	380 W
1 kHz, 10% total harmonic distortion	
Front	40 W per channel (6Ω)
Center	42 W (6Ω)
Surround	47 W per channel (6Ω)
100 Hz, 10% total harmonic distortion	
Subwoofer	164 W (6Ω)
DIN TTL Power Output	270 W
1 kHz, 1.0% total harmonic distortion	
Front	27 W per channel (6Ω)
Center	30 W (6Ω)
Surround	33 W per channel (6Ω)
100 Hz, 1.0% total harmonic distortion	
Subwoofer	120 W (6Ω)
Input sensitivity/input impedance	
AUX	250 mV, 10 kΩ

DISC SECTION	
Compatible disc types	DVD-VIDEO
	DVD-R (DVD-VIDEO formatted)
	CD (CD-DA), VIDEO-CD
	CD-R/RW (CD-DA, VIDEO CD, or MP3 format)
Audio	
Number of channels	5.1 (FL, FR, SL, SR, C, SW)
Video	
Signal system	PAL, PAL60/ NTSC
Output terminal	RCA (composite video)
	S terminal (Y, C)
Pick up	
Beam Source	Semiconductor Laser
Wavelength	
DVD	658 nm
VCD/CD	790 nm
FM TUNER SECTION	
Frequency range	87.50-108.00 MHz (50 MHz steps)
Antenna Terminals	75Ω unbalanced
AM TUNER SECTION	
Frequency range	522 - 1629 kHz (9 kHz steps)
GENERAL	
Power supply	AC 230 - 240 V, 50 Hz
Power consumption	168 W
Power consumption in standby mode	
	0.60 W
Dimensions (W x H x D)	430 x 114 x 368 mm
Mass	8.4 kg
SYSTEM	
SC-HT75 (E)	Main unit: SA-HT75 (E)
	Speaker unit: SB-HT75 (P)
	Subwoofer: SB-W95 (P)
SC-HT75 (EB)	Main unit: SA-HT75 (EB)
	Speaker unit: SB-HT75 (P)
	Subwoofer: SB-W95 (P)
SC-HT75 (EG)	Main unit: SA-HT75 (EG)
	Speaker unit: SB-HT75 (P)
	Subwoofer: SB-W95 (EG)
SC-HT75 (EE)	Main unit: SA-HT75 (EE)
	Speaker unit: SB-HT75 (P)
	Subwoofer: SB-W95 (P)

Notes:

1. Specifications are subject to change without notice. Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

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1 Before Repair and Adjustment

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Disconnect AC power, discharge Power Supply Capacitors C527 - C530, C561, C702 and C716 through a 10 Ω, 5 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid over current.

Current consumption at AC 230V, 50Hz in NO SIGNAL mode should be ~ 850 mA.

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2 Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are “shorted”, or if speaker systems with an impedance less than the indicated rated impedance ofthe amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

3 Accessories

AC Main Lead (For EB only)

AC Main Lead (For E , EG and EE only)

AM Loop Antenna

FM Indoor Antenna

Video Connection Cable

Remote Control Transmitter

Speaker feet

Speaker stickers

Antenna plug adaptor (For EB only)

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4 Caution for AC Main Lead

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(For "EB" area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⓐ or the BSI mark Ⓚ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

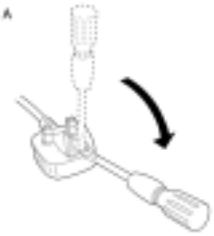
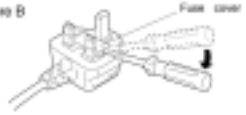


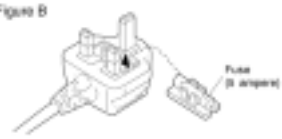
Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

Figure B



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5 Operation Procedures

6 Handling Precaution for Traverse Deck (Optical Pickup)

The laser diode in the traverse unit (optical pickup) may break down due to static electricity of clothes or human body.

Use due caution to electrostatic breakdown when servicing and handling the laser diode.

6.1 Grounding for electrostatic breakdown prevention

6.1.1 Workable grounding

6.1.2 Human body grounding

6.1.3 Handling of optical pickup

6.2 Handling Precautions for Traverse Unit (Optical Pickup)

6.1 Grounding for electrostatic breakdown prevention

Some devices such as the DVD player use the optical pickup (laser diode) and the optical pickup will be damaged by static electricity in the working environment. Proceed servicing works under the working environment where grounding works is completed.

6.1.1 Workable grounding

6.1.2 Human body grounding

6.1.3 Handling of optical pickup

6.1.1 Workable grounding

1. Put a conductive materials (sheet) or iron sheet on the area where the optical pickup is placed, and ground the sheet.

6.1.2 Human body grounding

1. Use the anti-static wrist strap to discharge the static electricity from your body.

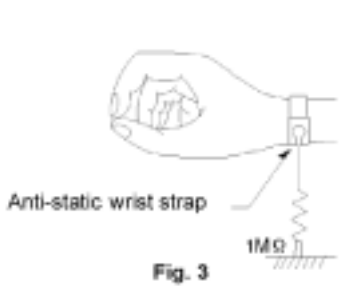


Fig. 3

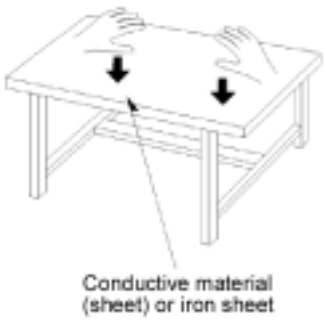


Fig. 4

6.1.3 Handling of optical pickup

1. To keep the good quality of the optical pickup maintenance parts during transportation and before installatio,. the both ends of the laser diode are short-circuited. After replacing the parts with new ones, remove the short circuit accordingto the correct procedure. (See this Technical Guide.)

2. Do not use a tester to check the laser diode for the optical pickup. Failure to do so will damage the laser diode due to the power supply in the tester.

6.2 Handling Precautions for Traverse Unit (Optical Pickup)

1. Do not give a considerable shock to the traverse unit (optical pickup) as it has an extremely high-precise structure.

2. When replacing the optical pickup, install the flexible cable and cut its short land with a nipper. See the optical pickup replacement procedure in this Technical Guide. Before replacing the traverse unit, remove the short pin for preventingstaticelectricity and install a new unit. Connect the connector as short times as possible.

3. The flexible cable may be cut off if an excessive force is applied to it. Use caution when handling the cable.

4. The half-fixed resistor for laser power adjustment cannot be adjusted. Do not turn the resistor.

7 Precaution of Laser Diode

Caution :

This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens.
Wavelength : 790 nm
Maximum output radiation power from pick up : 100 μW/VDE
Laser radiation frompick up unit is safety level, but be sure the followings:

1. Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.

2. Do not adjust the variable resistor on the pick up unit. It was already adjusted.

3. Do not look at the focus lens using optical instruments.

4. Recommend not to look at pick up lens for a long time.

ACHTUNG :

Dieses Produkt enthält eine Laserdiode. Im eingeschalteten Zustand wird unsichtbare Laserstrahlung von der Lasereinheit abgestrahlt.
Wellenlänge : 780nm
Maximale Strahlungsleistung der Lasereinheit :100W/VDE
DieStrahlung an der Lasereinheit ist ungefährlich, wenn folgende Punkte beachtet werden:

1. Die Lasereinheit nicht zerlegen, da die Strahlung an der freigelegten Laserdiode gefährlich ist.

2. Den werkseitig justierten Einstellregler der Lasereinhit nicht verstellen.

3. Nicht mit optischen Instrumenten in die Fokussierlinse blicken.

4. Nicht über längere Zeit in die Fokussierlinse blicken.

ADVARSEL: I dette a apparat anvendes laser.

CAUTION!

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Use of Caution Labels

TOP PREVIOUS NEXT

8 Disassembly and Main Component Replacement Procedures

TOP PREVIOUS NEXT

“ATTENTION SERVICER”

Some chassis components may have sharp edges.

Be careful when disassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.

2. For reassembly after operation checks or replacement, reverse the respective procedures.

   Special reassembly procedures are described only when required.

3. Select items from the following index when checks or replacement are required.

8.1 Checking for DVD B / E Module (1 / 2) and Power Switch P.C.B..

8.2 Checks for Panel P.C.B., DSP P.C.B., ASP P.C.B., DVD B / E Module (2) P.C.B.

8.2.1 When opening electrically

8.2.2 When opening manually

8.3 Checks for DVD Regulator P.C.B.

8.4 Checks for Input P.C.B.

8.5 Check for Power P.C.B.

8.6 Replacement of the Power IC

8.7 Replacement of DVD Traverse Unit

8.8 Disassembly and assembly of the Disc Tray

8.9 Disassembly and assembly of Mechanised Dirve part

8.9.1 Disassmbly of Mechanised Drive Part

8.9.2 Disassembly and assembly of Spindle Base Unit

8.9.3 Installation of Rotation Stopper (Semi)

8.9.4 Assembly of Mechanised Drive Part

8.10 Disassembling the Middle Chassis

8.11 Terminal P.C.B.

8.12 Traverse Gear

8.13 Optical Pickup Unit

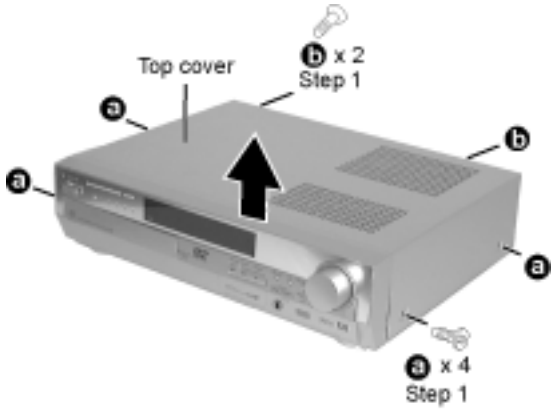
8.13.1 Precautions in optical pickup replacement

8.14 Disassembling the Spindle Motor Unit

TOP PREVIOUS NEXT

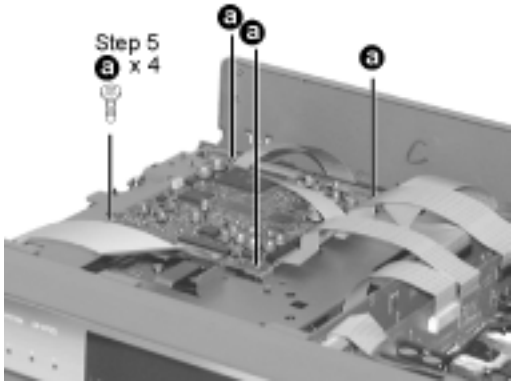
8.1 Checking for DVD B/E Module (1/2) and Power Switch P.C.B..

TOP PREVIOUS NEXT



Step 3 Slightly spread open both sides of the cabinet before lifting it upwards to remove.

- Carry out the check for DVD B/E Module (1/2) board, AC input board as per condition indicated in diagram below.



Step 6 Remove FFC from connector. (FP2001)

Step 7 Overturn DVD B/E Module (2/2) P.C.B..

Step 8 Connect back extension FFC to connector. (FP2001)

- Carry out check for DVD Module (2/2) board as per condition in diagram below.

[Caution] Lay thick paper below the board.

TOP PREVIOUS NEXT

8.2 Checks for Panel P.C.B., DSP P.C.B., ASP P.C.B., DVD B/E Module (2) P.C.B.

- Carry out (Step 1) - (Step 3) in section 8.1

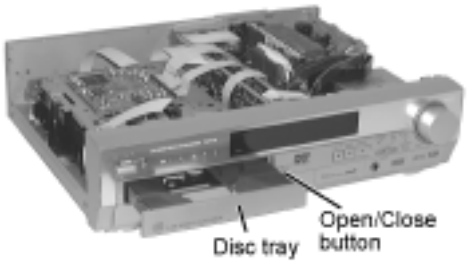
Step 1 Open the disc tray. There are 2 methods of opening the disc tray, i.e., electrical and manual.

8.2.1 When opening electrically

8.2.2 When opening manually

8.2.1 When opening electrically

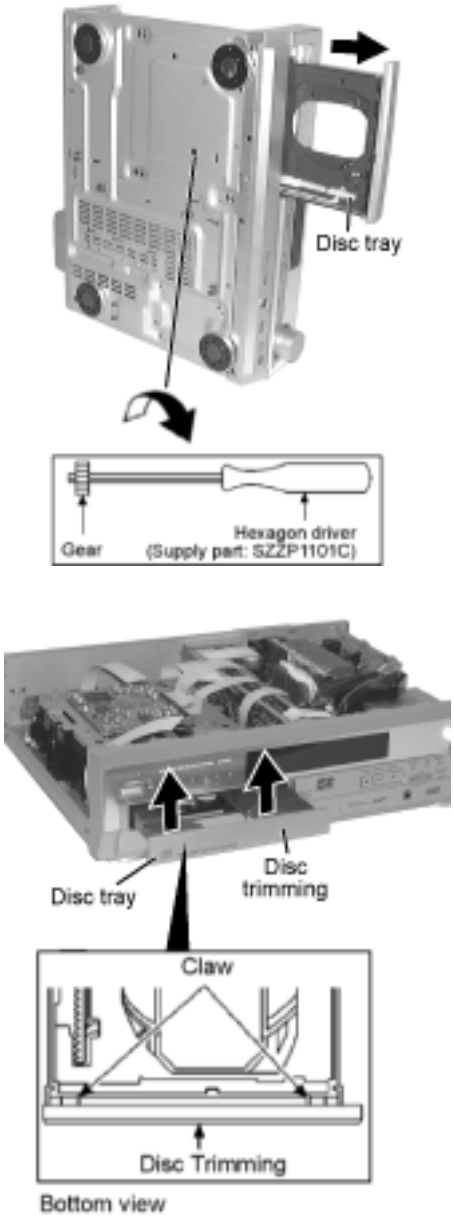
Step 1 Connect the AC cord and turn on the power supply.



Step 2 Press OPEN/CLOSE button to open the disc tray.

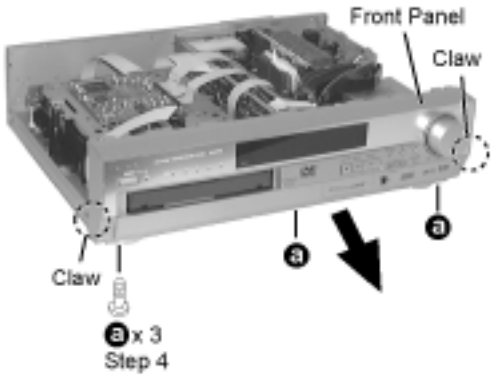
8.2.2 When opening manually

Step 1 Insert the hexagon driver (gear bit) into the hole at the bottom face of the main body and turn it in the direction of the arow to open the disc tray.

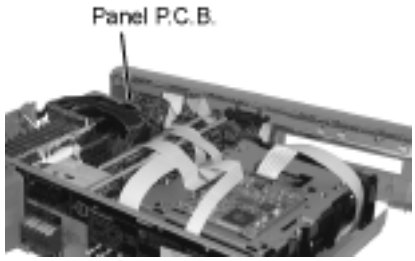


Step 2 Release claw at 2 locations and remove tray trimming.

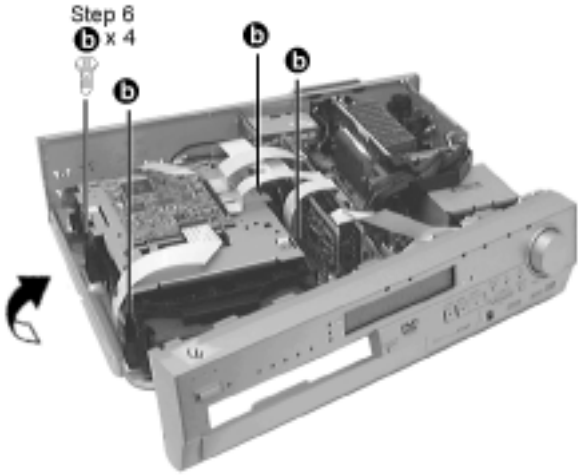
Step 3 After removing the tray trimming, push the disc tray back inside the main unit.



Step 5 Release claw at 2 locations and pull out the front panel.

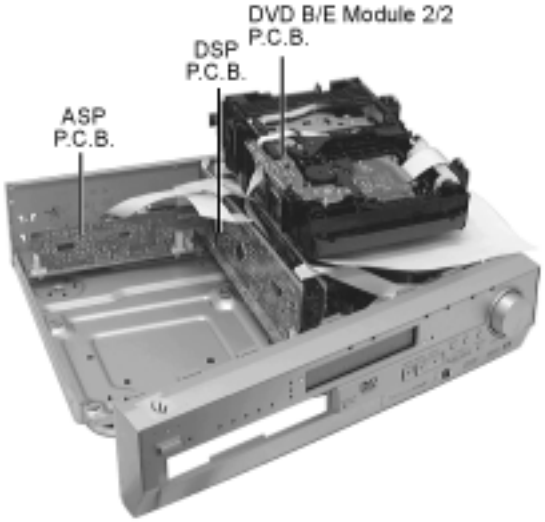


- Carry out checks with Panel P.C.B. in the condition as indicated in diagram above.



Step 6 Over turn the DVD F/E module loading unit in the direction of arrow.

- Carry out checks with DSP P.C.B. and ASP P.C.B. in the condition as indicated in diagram below.

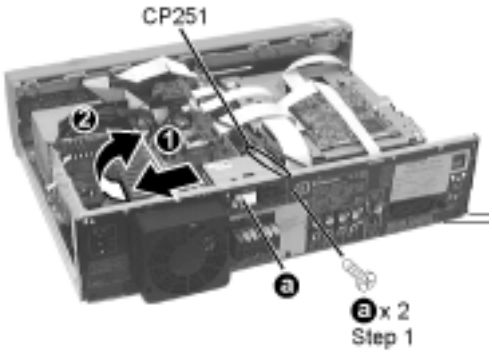


[Caution] Lay thick paper below the board.

TOP PREVIOUS NEXT

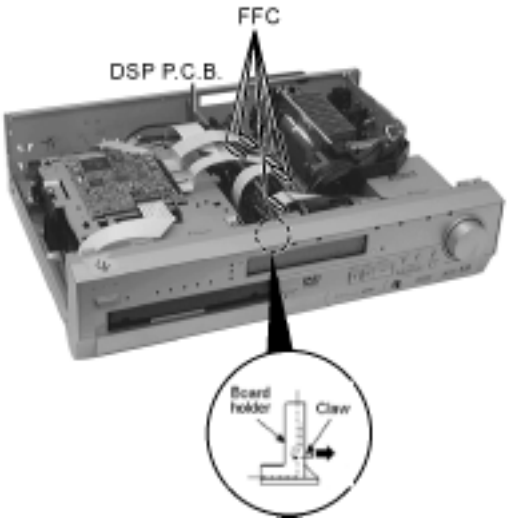
8.3 Checks for DVD Regulator P.C.B.

- Carry out (Step 1) - (Step 3) in section 8.1



Step 2 Pull the tuner unit in direction of arrow(1). Disengage it from connector and remove in direction of arrow (2).

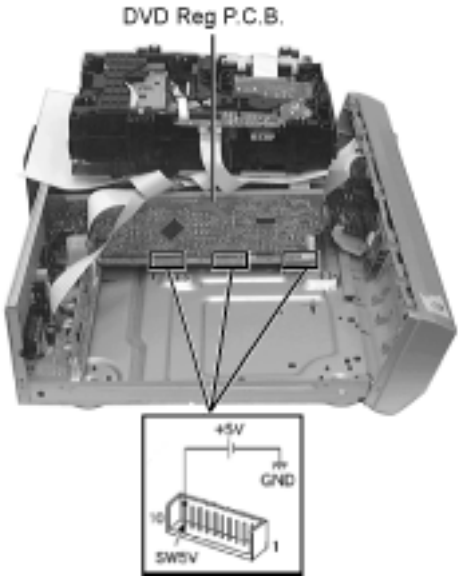
Step 3 Pull out FFC at CN805, CN806, CN1, CP6251 and CN1304.



Step 4 Detach DSP P.C.B. while removing tab on board holder.

Step 5 Connect back FFC at CN1, CP6251 and CN1304.

- Carry out checks with DVD Regulator P.C.B. in the condition as indicated in diagram below.



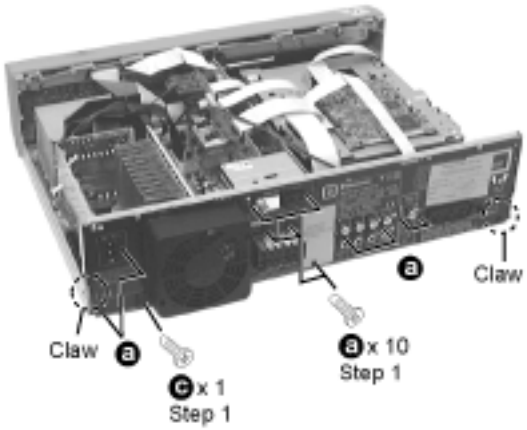
Step 6 Supply +5V from external power source to pin 10 terminal of connector (CP801) on main board.

TOP PREVIOUS NEXT

8.4 Checks for Input P.C.B.

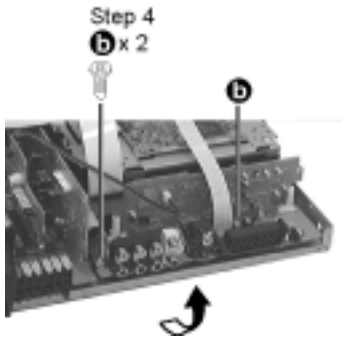
TOP PREVIOUS NEXT

- Carry out (Step 1) - (Step 3) in section 8.1



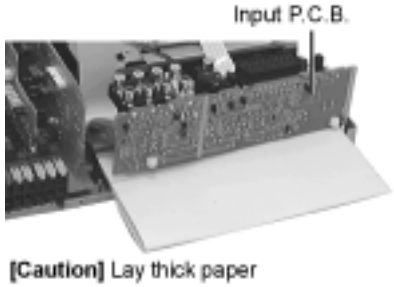
Step 2 Unplug connector (CP704).

Step 3 Remove claw at 2 locations and detach the rear panel.



Step 5 Let the Input P.C.B. stand up.

- Carry out chaecks with Input P.C.B. in the condition as indicated in the diagram below.

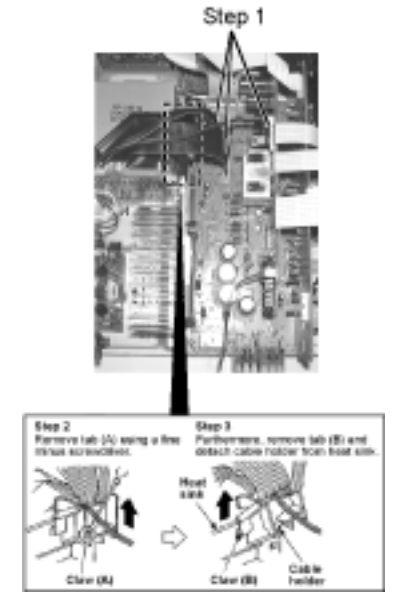


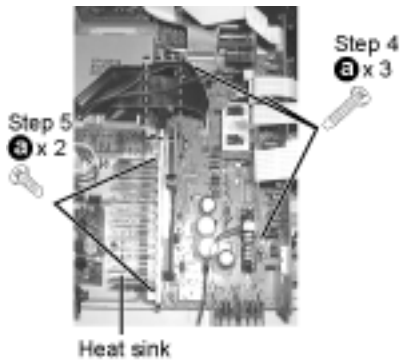
TOP PREVIOUS NEXT

8.5 Check for Power P.C.B.

- Carry out (Step 1) - (Step 3) in section 8.1
- Carry out (Step 1) - (Step 3) in section 8.4

Step 1 Remove connector at CP705, CN503 and CN501.



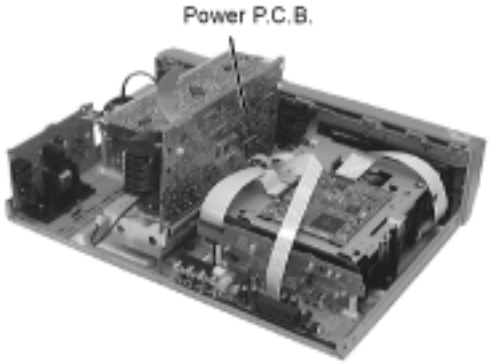


Step 6 Connect back connector at CN501 and CN503.

Step 7 Remove wire from connector CN102.

Step 8 Detach FFC at CN1, CP6251, CN1304 and CN806.

- Carry out checks with Power P.C.B. in the condition as indicated in the diagram below.



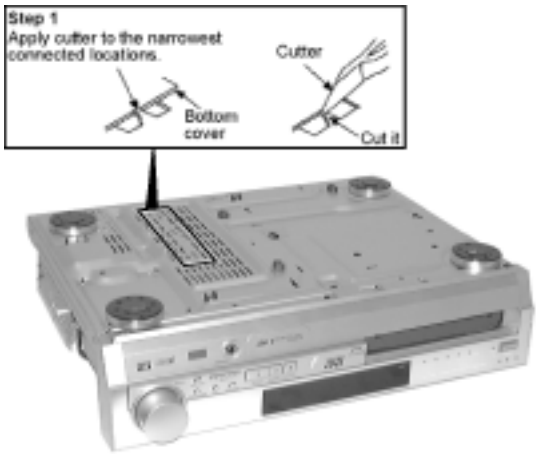
Step 9 Let the Main P.C.B. stand up.

TOP PREVIOUS NEXT

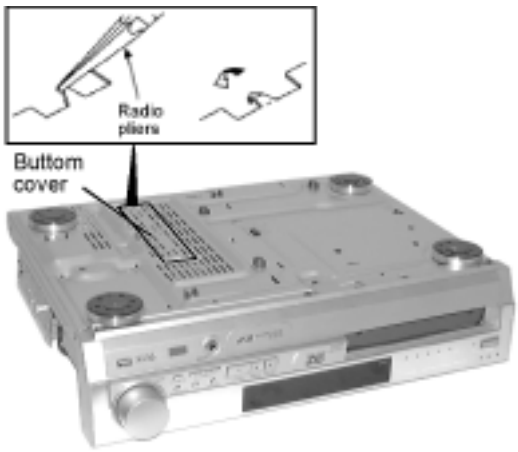
8.6 Replacement of the Power IC

- Carry out (Step 1) - (Step 3) in section 8.1

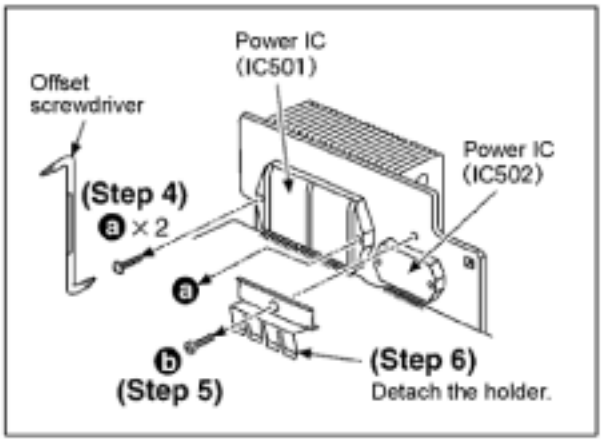
Step 1 Cut out the connections located on the bottom cover. (6 points)



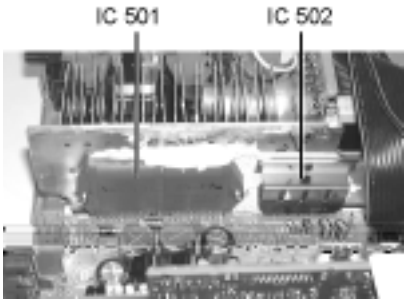
[Caution] The bottom cover is reused after replacement . Take care, not to lose it.



Step 2 Bent the cut portion on the bottom cover.



Step 3 Remove solder on Power IC.



[Caution]

1. Apply compound grease (RFKX0002 or equivalent heat dissipating compound) on the rear face of the power IC when attaching Power IC.

2. Tighten adequately the 3 screws after replacement of Power IC.

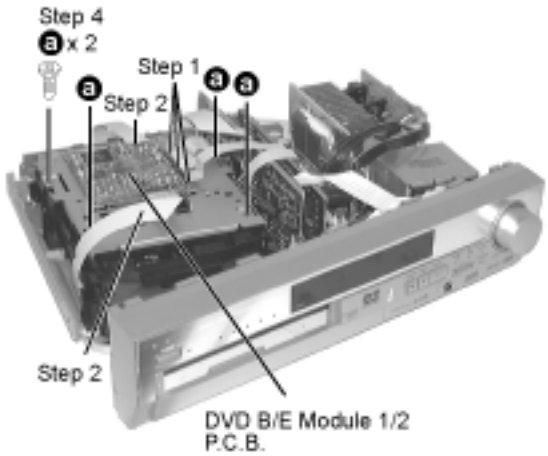
3. Use the offset screwdriver for tightening and loosening of screws.

TOP PREVIOUS NEXT

8.7 Replacement of DVD Traverse Unit

TOP PREVIOUS NEXT

- Carry out (Step 1) - (Step 3) in section 8.1
- Carry out (Step 1) - (Step 6) in section 8.2

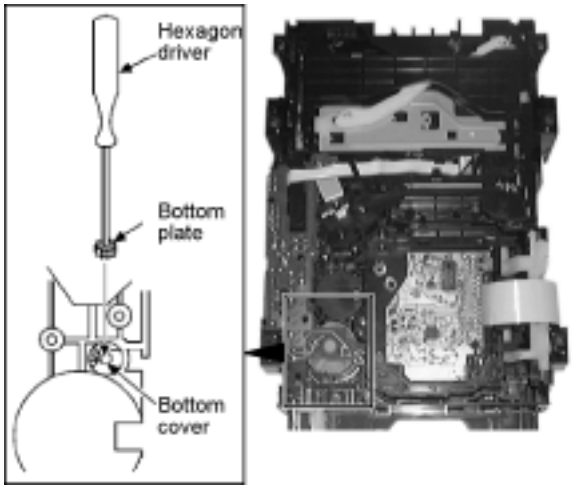


Step 1 Pull out the FFC at 3 locations.

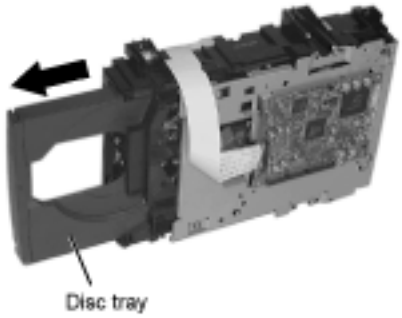
Step 2 Detach the connector.

Step 3 Detach the DVD loading unit.

Step 4 Remove the top plate.



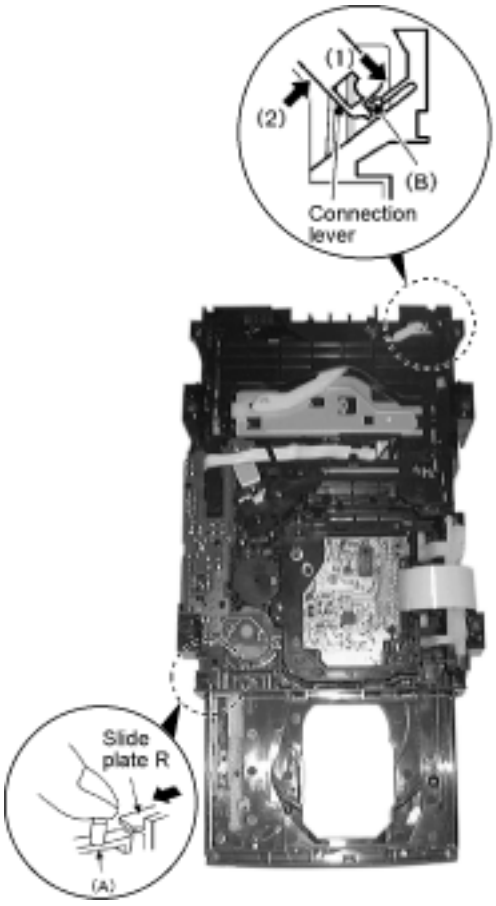
Step 5 Insert the hexagon driver (gear) into the hole.



Step 6 Turn the hexagon driver clockwise to fully open the disc tray.

Step 7 When tab (B) is pressed in direction of arrow(1), the connection lever moves in the direction of arrow (2).

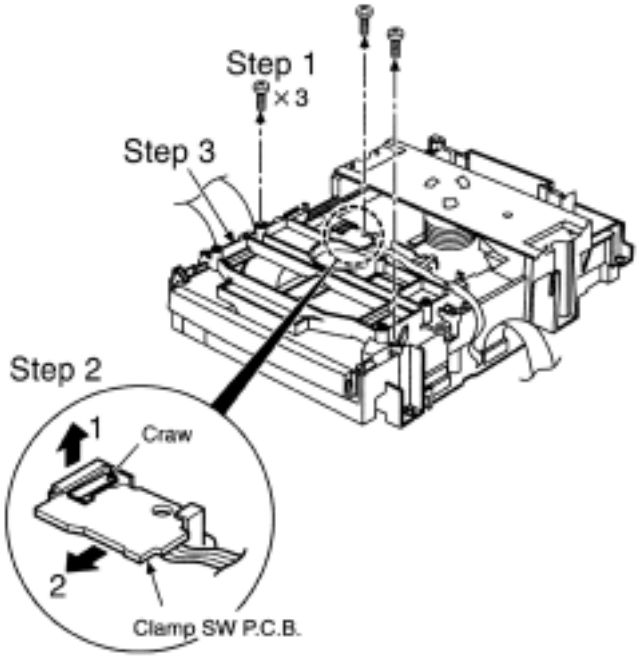
Step 8 Turn the hexagon driver clockwise with tab (A) in depressed condition.



Step 10 Let the Main P.C.B. stand up.

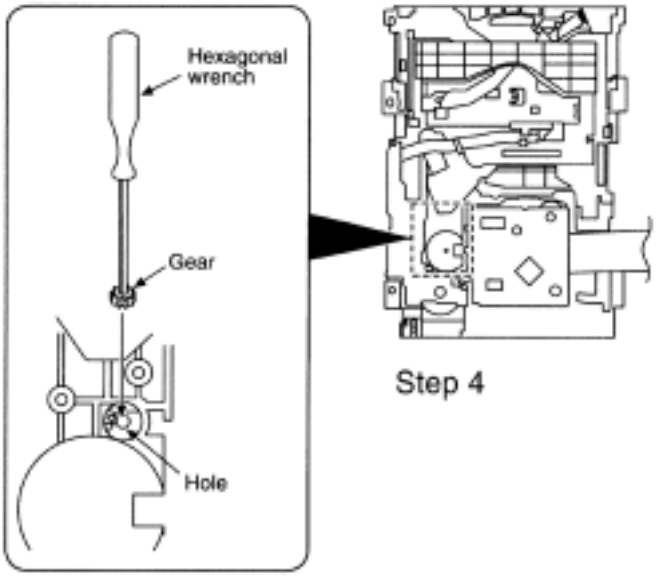
TOP PREVIOUS NEXT

8.8 Disassembly and assembly of the Disc Tray

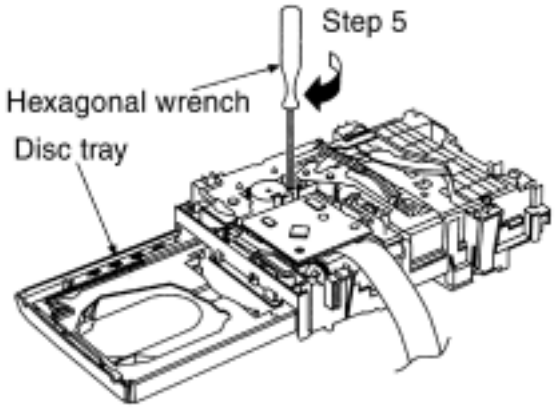


Step 2 With lifting the claw in the direction of arrow 1, draw the clamp SW P.C.B. in the direction of arrow 2.

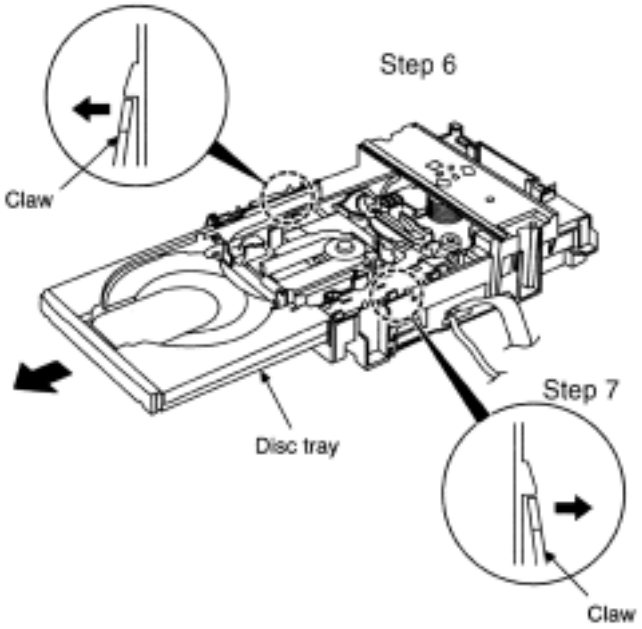
Step 3 Remove the mechanism cover.



Step 4 Insert the gear with hexagonal wrench into the hole.

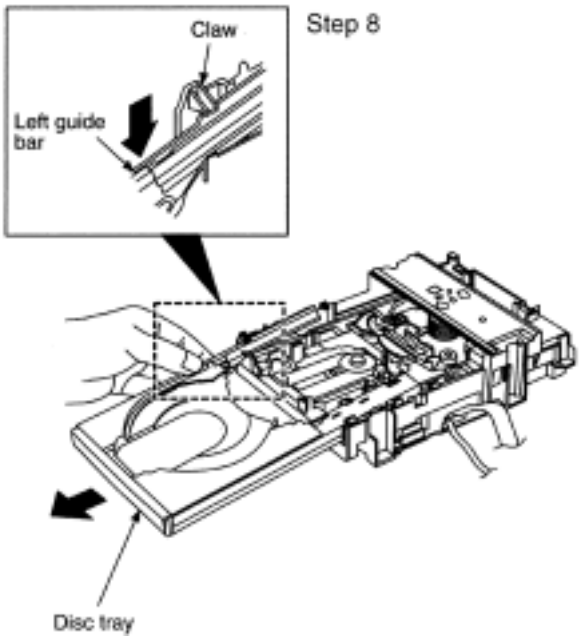


Step 5 Rotate the hexagonal wrench in the direction of arrow (clockwise), and then open the disc tray fully.



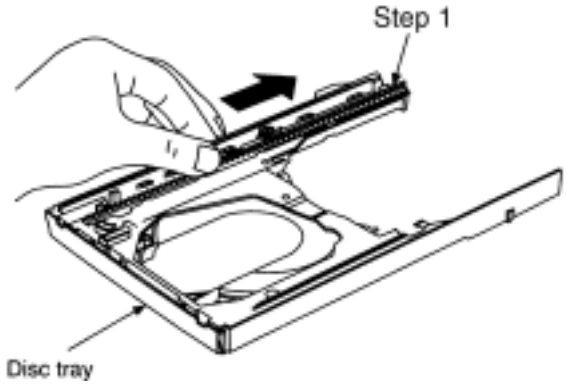
Step 6 Upset the CD changer unit again.

Step 7 Release both the claws, and then draw the disc tray.

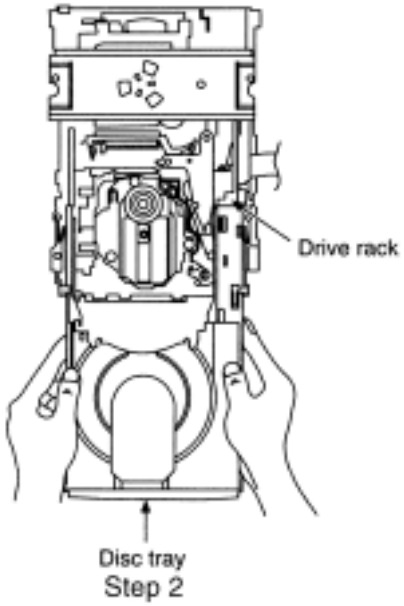


Step 8 With forcing the left guide bar manually because the left guide bar interfers with claw, draw the disc tray.

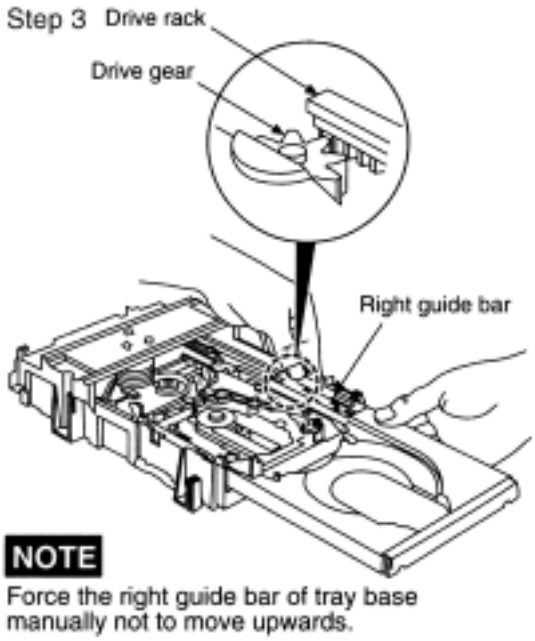
- Installation of the disc tray after replacement



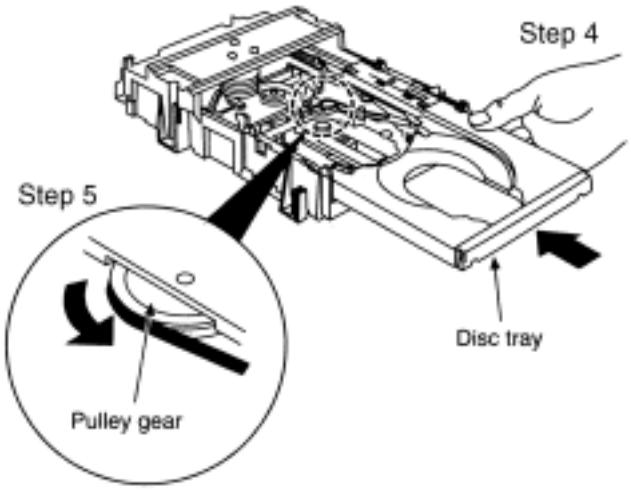
Step 1 Slide the drive rack fully in the direction of arrow.



Step 2 Holding the drive rack not to move, install the disc tray.



Step 3 Align the drive rack with the driver gear.



Step 4 Holding the disc tray manually, rotate the pulley gear in the direction of arrow.

Step 5 Rotate the gear 5 or 6 times manually, and then push the disc tray.

TOP PREVIOUS NEXT

8.9 Disassembly and assembly of Mechanised Dirve part

TOP PREVIOUS NEXT

8.9.1 Disassmbly of Mechanised Drive Part

8.9.2 Disassembly and assembly of Spindle Base Unit

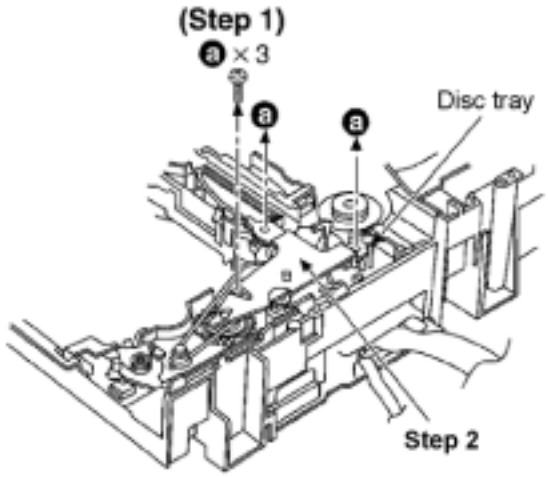
8.9.3 Installation of Rotation Stopper (Semi)

8.9.4 Assembly of Mechanised Drive Part

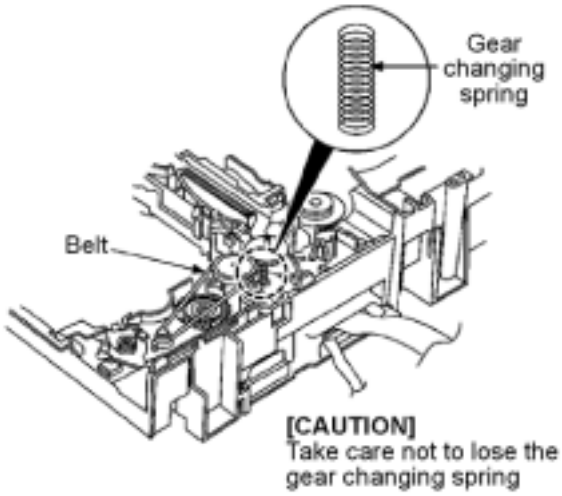
TOP PREVIOUS NEXT

8.9.1 Disassmbly of Mechanised Drive Part

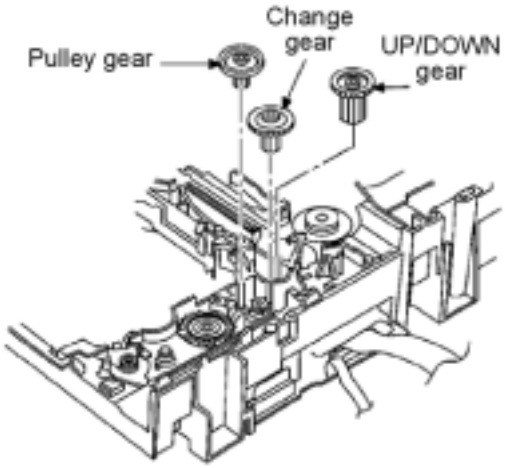
- Carry out (Step 1) - (Step 3) in section 8.1
- Carry out (Step 1) - (Step 6) in section 8.2
- Carry out (Step 1) - (Step 10) in section 8.7
- Carry out (Step 1) - (Step 8) in section 8.8



Step 2 Remove tab at 1 location and detach the pitch plate.

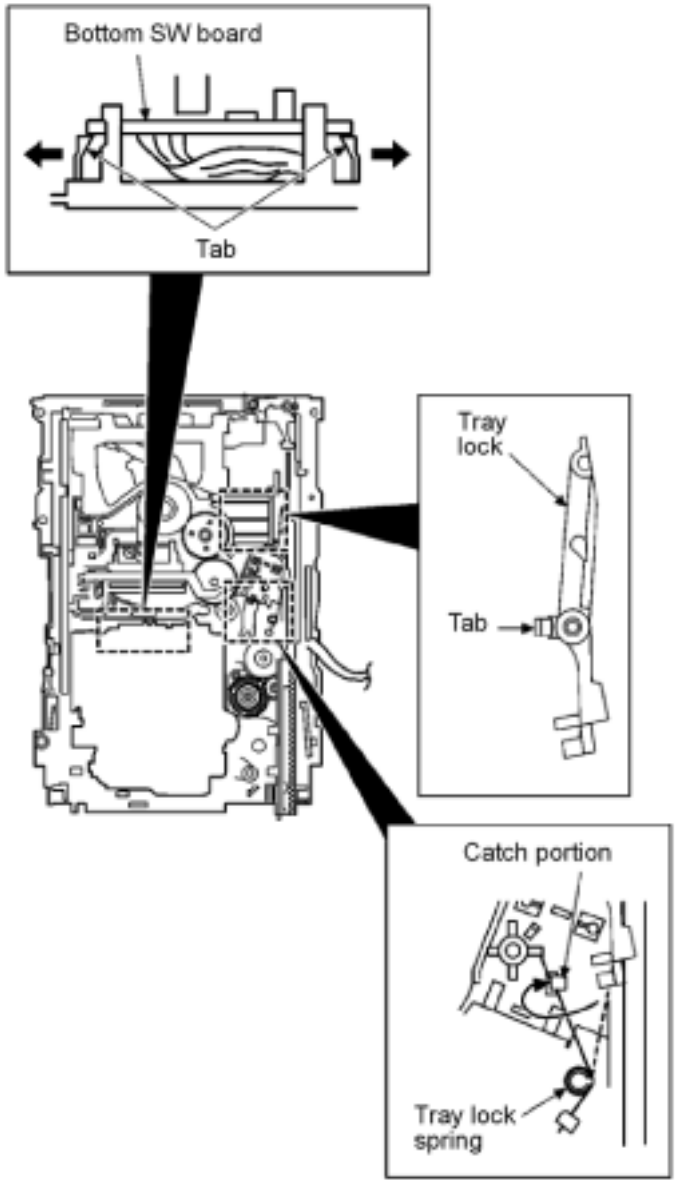


Step 3 Remove belt and gear changing spring.



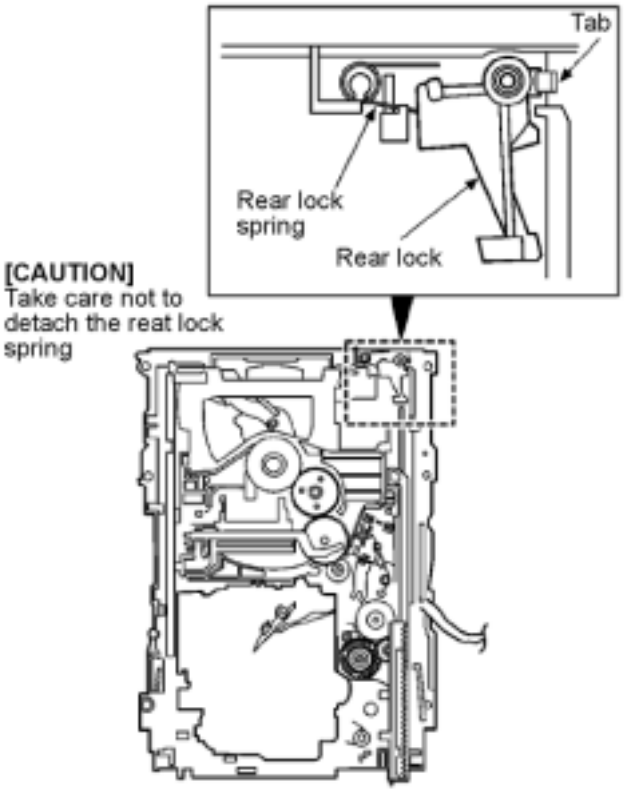
Step 4 Remove pulley gear, change gear, UP/DOWN gear.

Step 5 Remove tab at 2 locations and detach the bottom SW board.

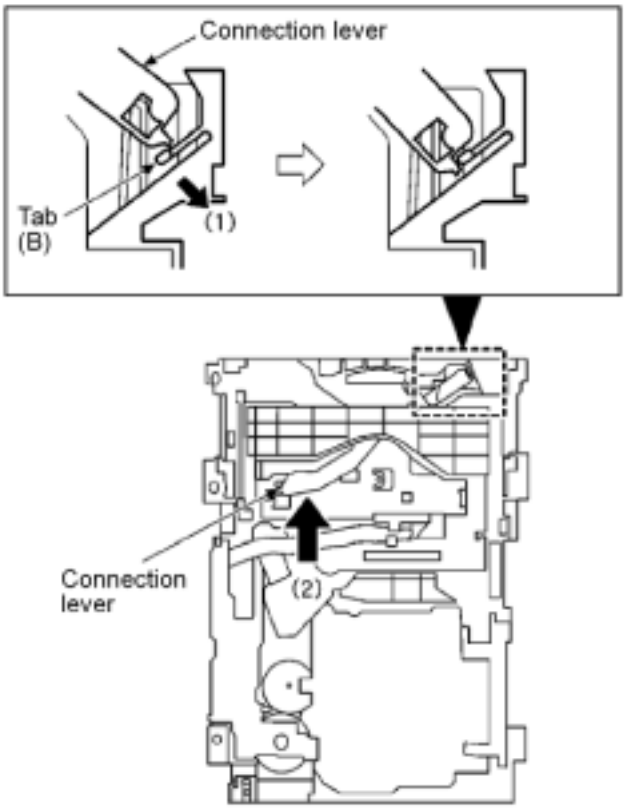


Step 6 Temporarily attach the tray lock spring to the catch portion.

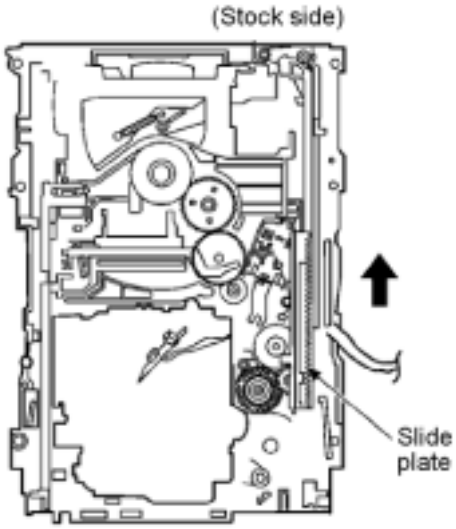
Step 7 Remove tab 1 location and detach tray lock.



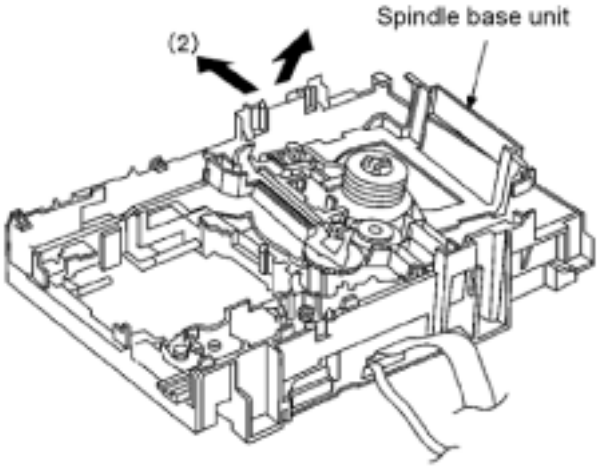
Step 8 Remove tab 1 location and then remove the rear lock.



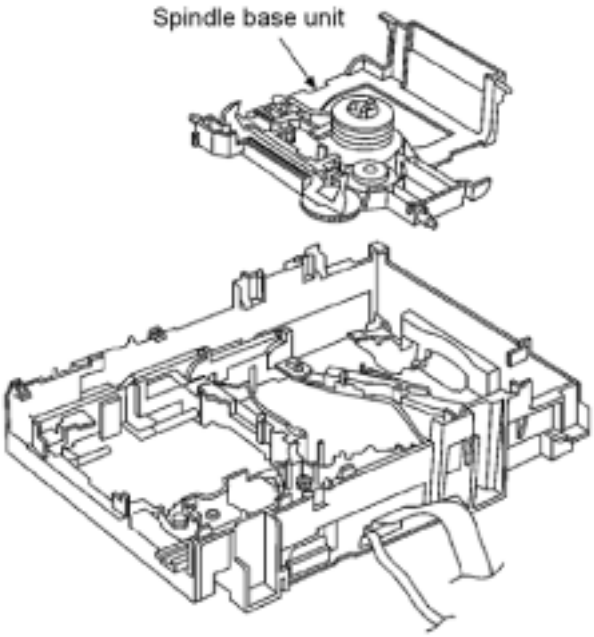
Step 9 While pressing tab (B) in direction of arrow (1), press down the connection lever in direction of arrow (2).

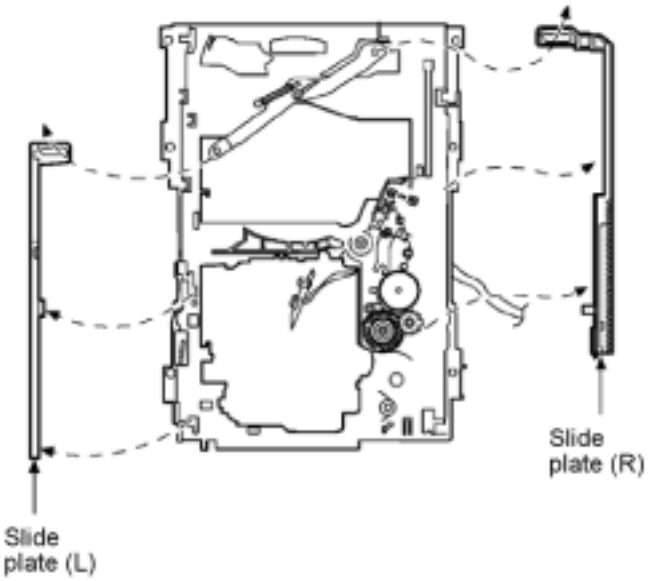


Step 10 Move slide plate (R) until the edge of stock side.

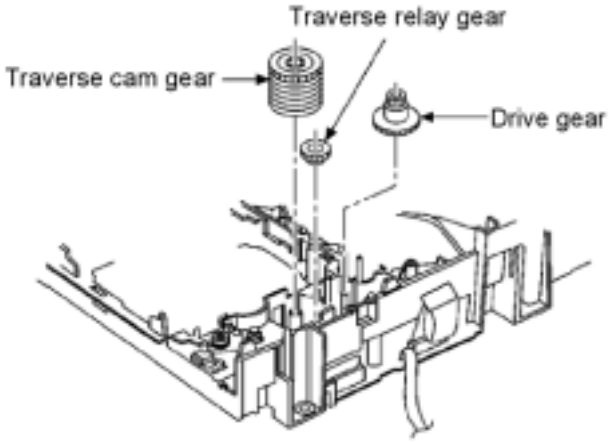


Step 11 Lift up the left side of spindle base unit first in direction of arrow (1) and remove in direction of arrow (2).





Step 12 Remove slide plate (R) and slide plate (L).

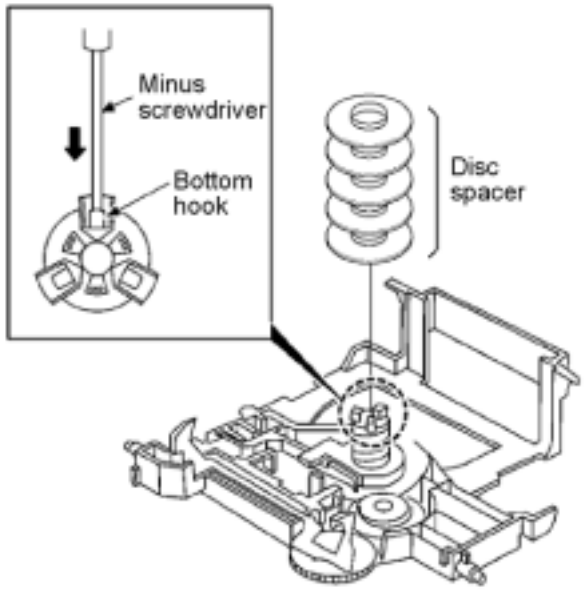


Step 13 Remove traverse relay gear, traverse cam gear and drive gear.

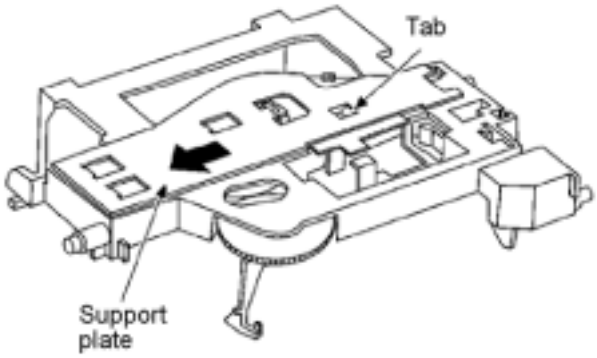
TOP PREVIOUS NEXT

8.9.2 Disassembly and assembly of Spindle Base Unit

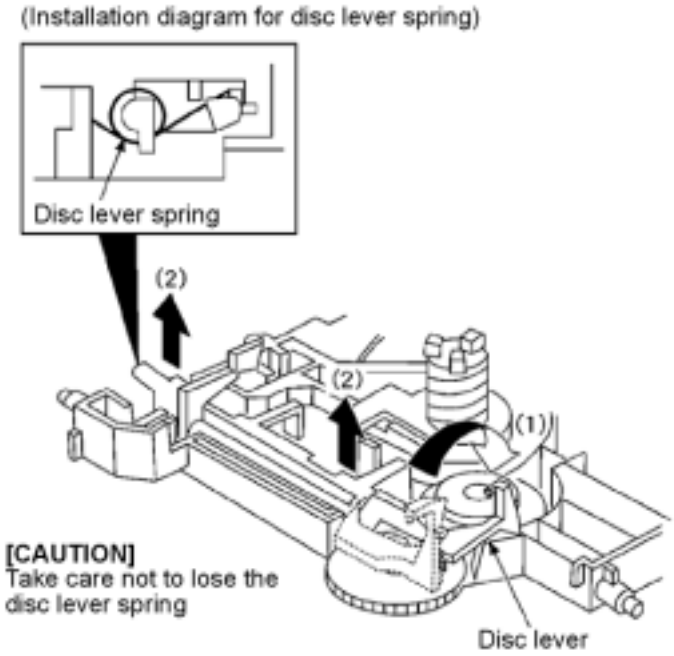
Step 1 Pull out 5 numbers of disc spacers after pressing down the bottom hook with a fine-tip minus screwdriver.



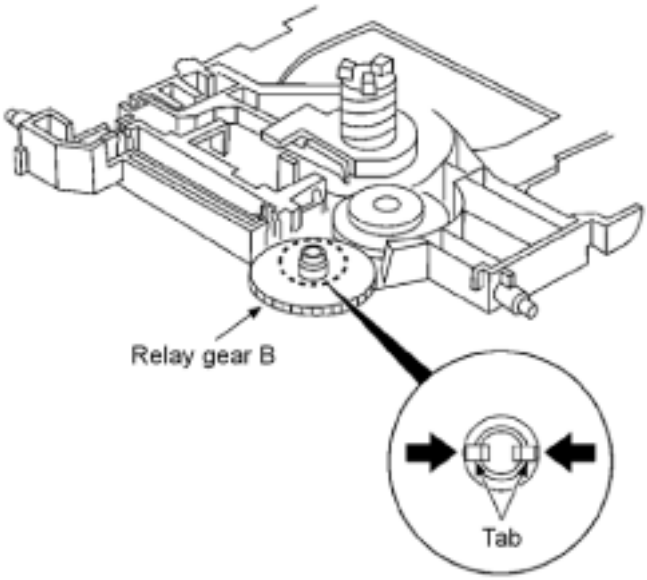
Step 2 While pressing the tab, slide the support plate in direction of arrow and remove the support plate.



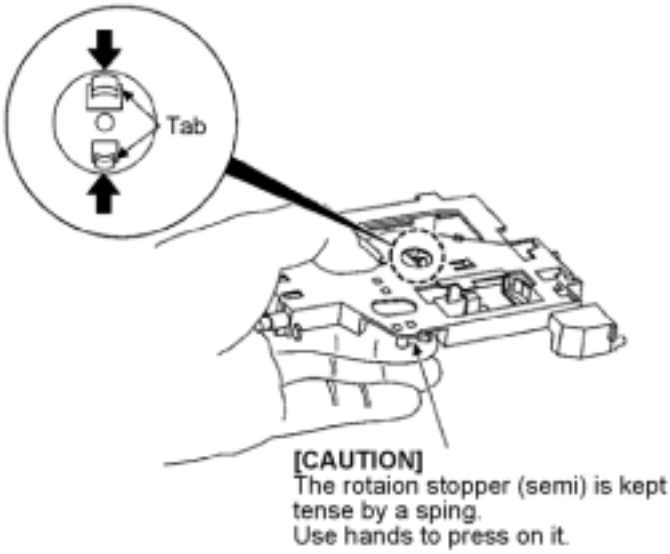
Step 3 Pull out the disc lever with the disc lever turned in the direction of arrow (1).

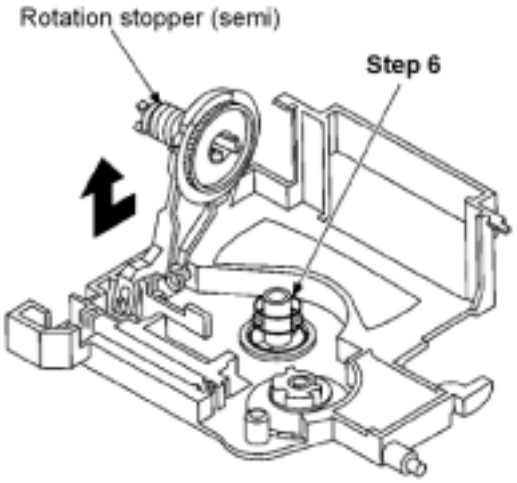


Step 4 Remove tab at 2 locations and pull out relay gear (B).



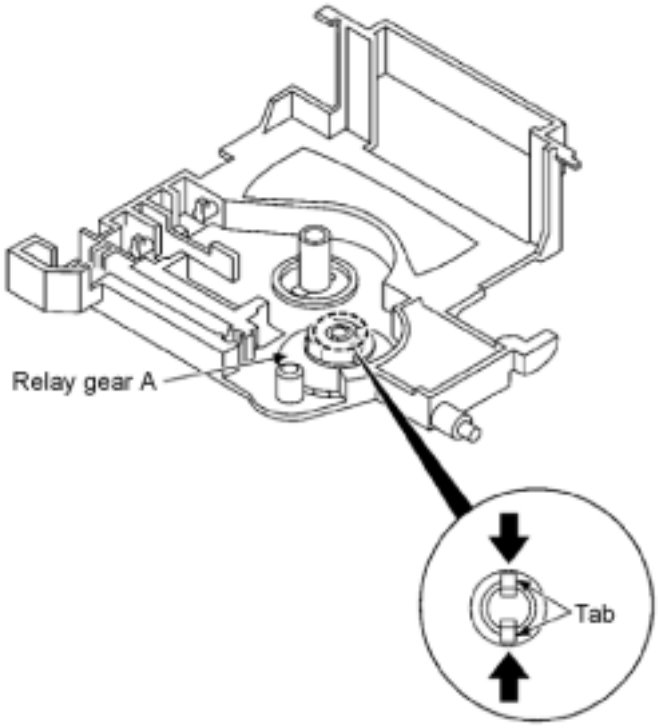
Step 5 Remove tab at 2 locations.



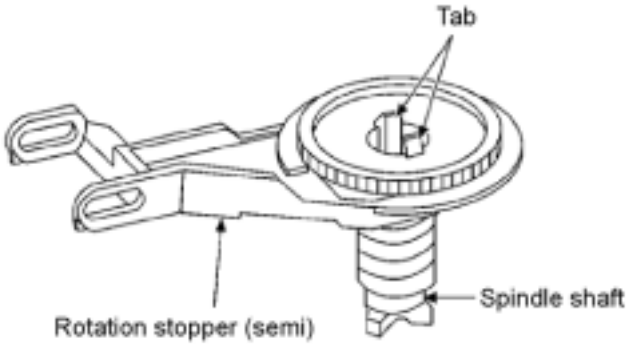


Step 6 Remove cushion spring.

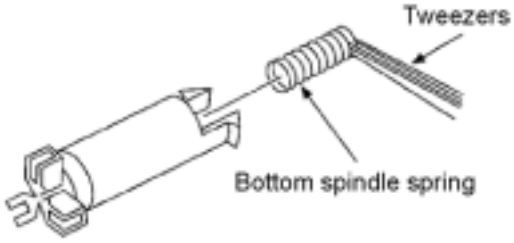
Step 7 Remove rotation stopper (semi) in direction of arrow.



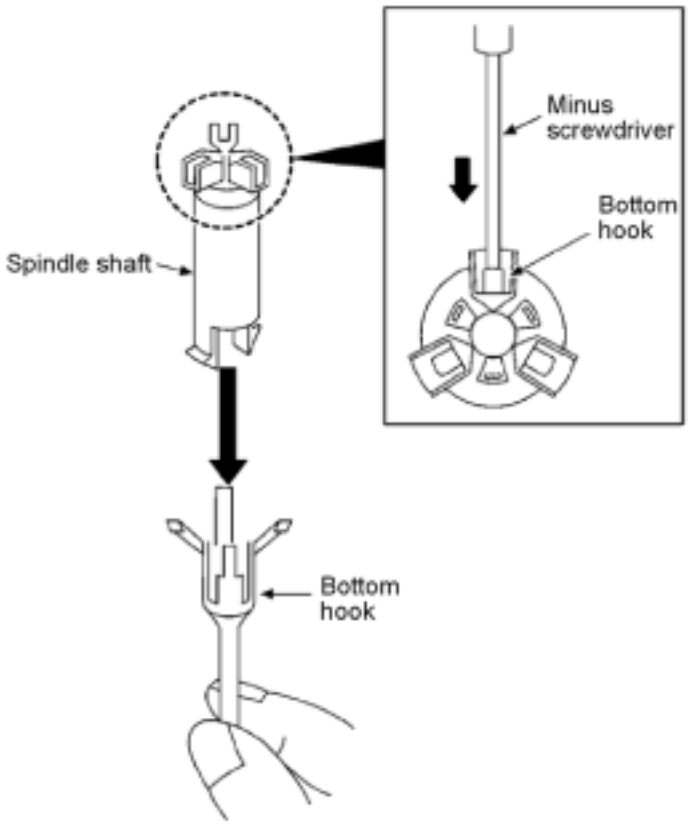
Step 8 Remove tab at 2 locations and pull out relay gear (A).



Step 9 Remove tab at 2 locations and detach the spindle shaft.

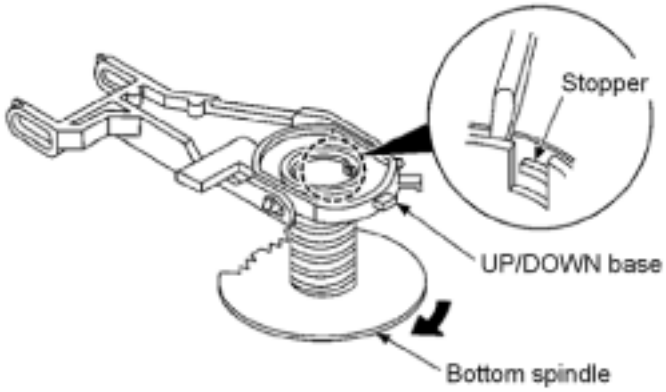


Step 10 Remove bottom spindle spring with a pair of tweezer.



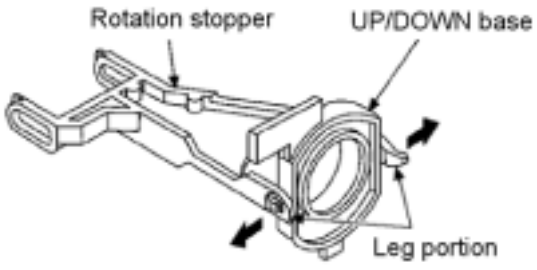
Step 11 Press down the bottom hook with a fine-tip minus screwdriver.

Step 12 Hold the axis part of the bottom hook and pull it out.



Step 13 Turn the bottom spindle in the direction of arrow until it hits against the stopper.

Step 14 Insert a fine-tip minus screwdriver between the bottom spindle and UP/DOWN base and slightly raise the bottom spindle for it to go over the stopper. Then turn the bottom spindle and remove it.

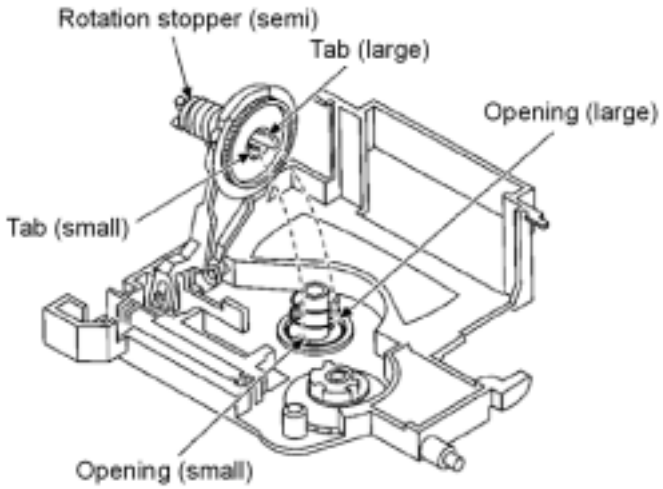


Step 15 Rotate the UP/DOWN base 90°. The spread the leg portion of the rotation stopper and remove the UP/DOWN base.

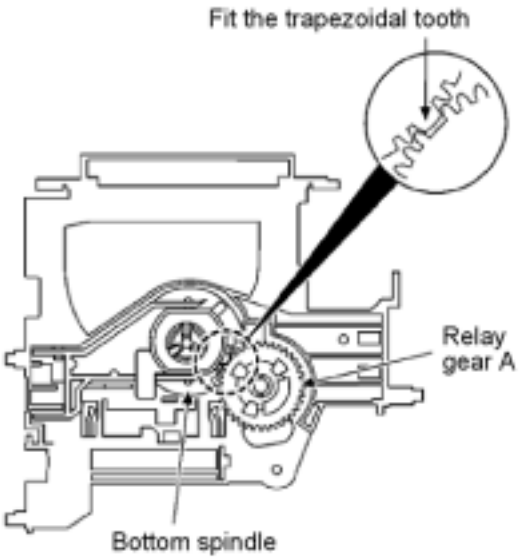
TOP PREVIOUS NEXT

8.9.3 Installation of Rotation Stopper (Semi)

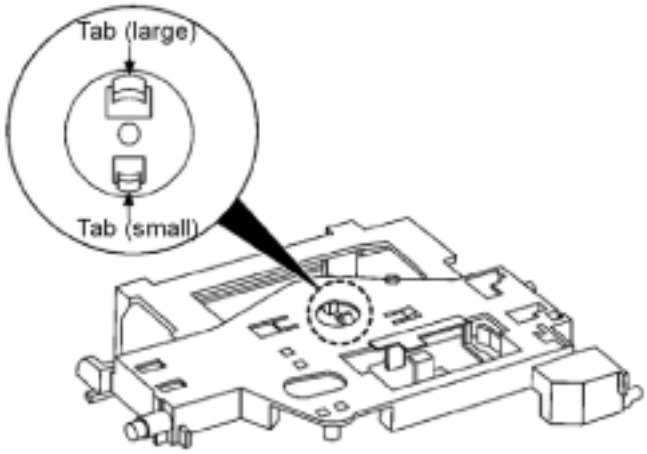
Step 1 Fit the tab on rotation stopper (semi) into the opening on spindle base. (Be careful as the size of tab differs).



Step 2 Lower down the rotation stopper (semi) and fit the trapezoidal tooth between bottom spindle and relay gear A.



Step 3 Insert the rotation stopper (semi) and ensure that the tabs are engaged.

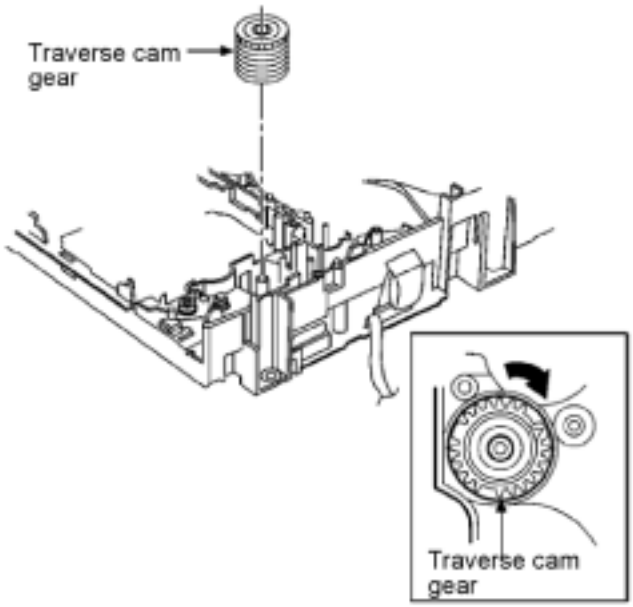


TOP PREVIOUS NEXT

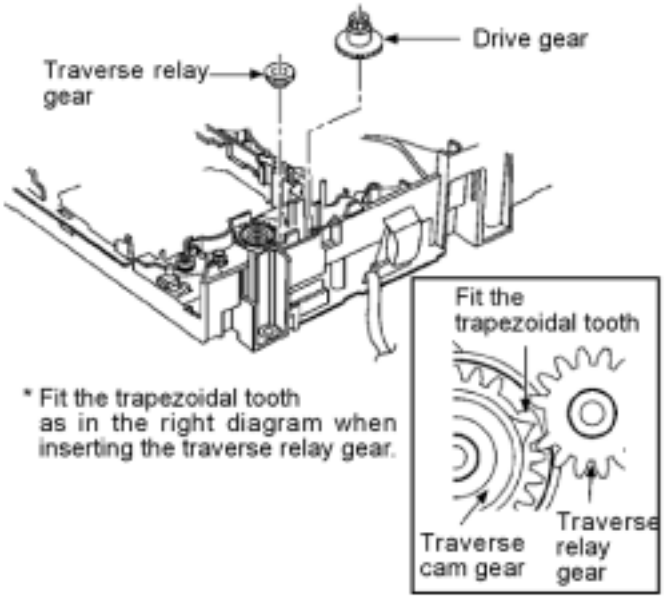
8.9.4 Assembly of Mechanised Drive Part

Step 1 Install the traverse cam gear.

Step 2 Rotate the traverse cam gear fully in the clockwise direction.

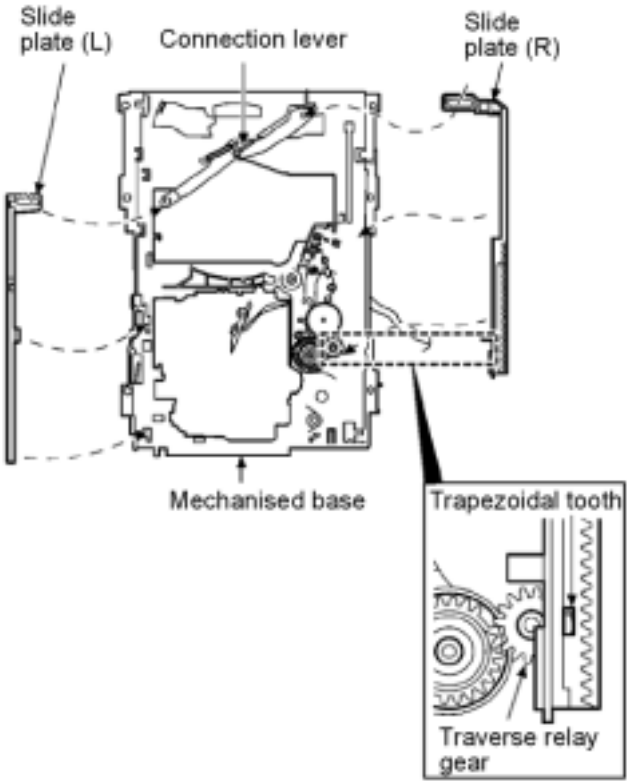


Step 3 Install the drive gear and traverse relay gear.

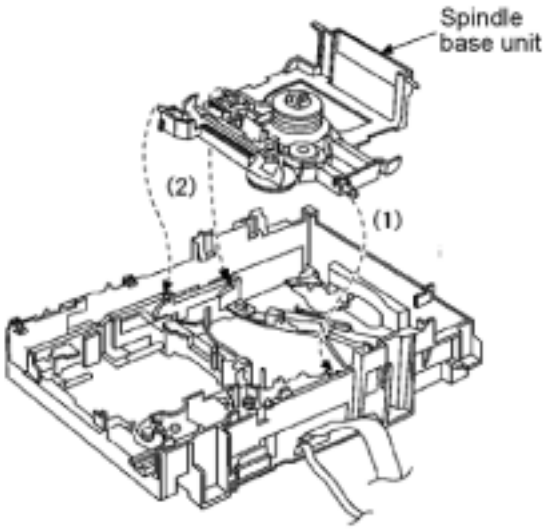


Step 4 Unstall the slide plate (L) on the mechanised base and fit it to the connection lever.

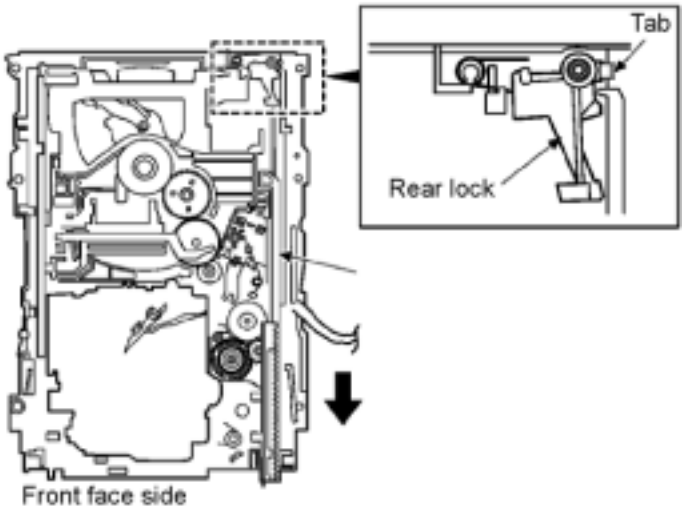
Step 5 Install the slide plate (R) on the mechanised base. Fit it to the connection lever first before fitting the location with the trapezoidal tooth of the traverse relay gear.



Step 6 Install the spindle base unit.(Install it first from the slide plate (R) side.

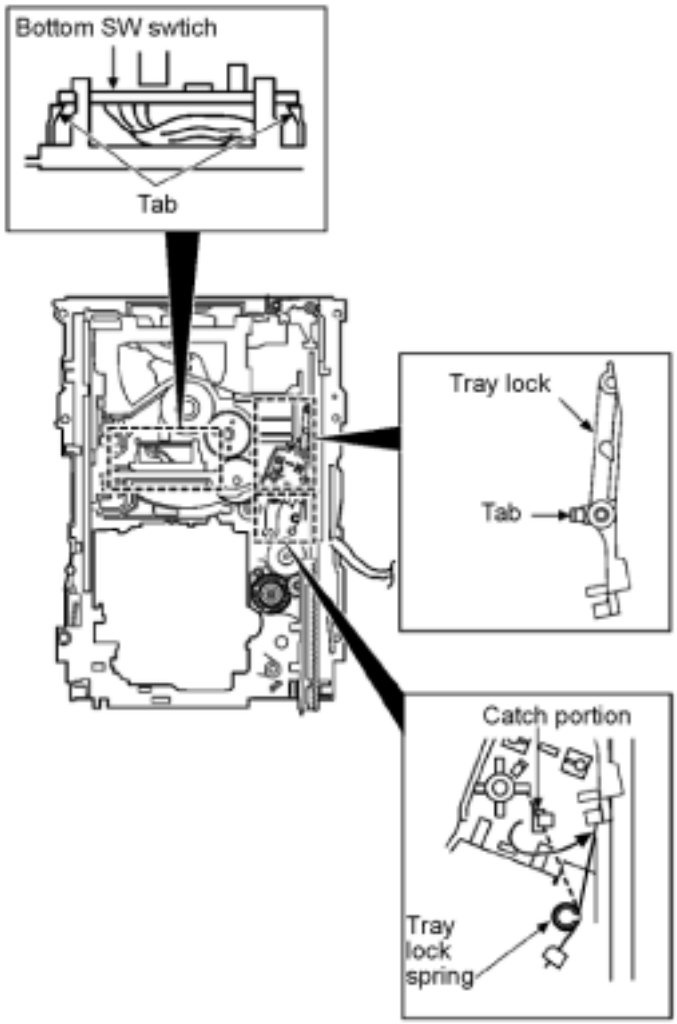


Step 7 Move the slide plate (R) fully to the front face side.



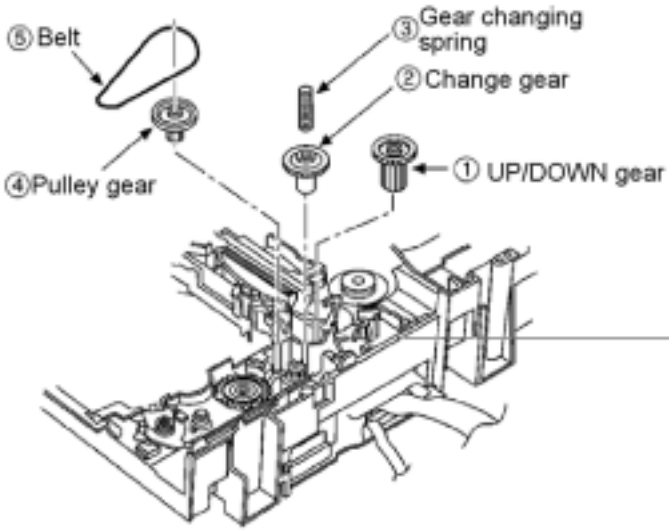
Step 8 Install the rear lock. (Ensure that tabs are engaged)

Step 9 Install the bottom SW board. (Ensure that the tabs are engaged).

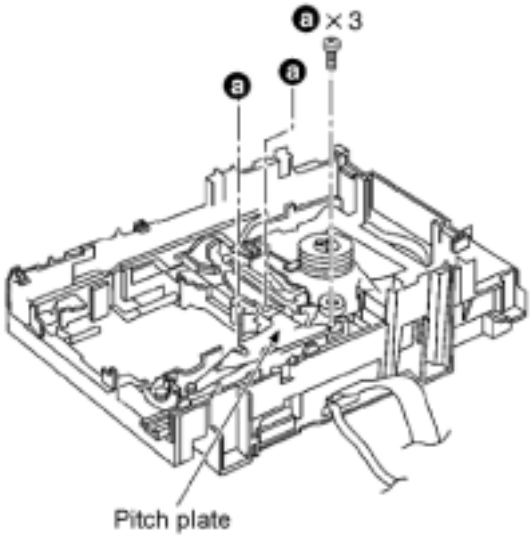


Step 11 Detach tray lock spring from catch portion and hook it to the tray lock.

Step 12 Install the UP/DOWN gear, change gear, gear changing spring, pulley gear and belt in the sequence of (1) ~ (5).



Step 13 Install the pitch plate and fix the screw (a).



Step 13 Install the disc tray, DVD traverse unit, mechanism cover, etc.

[Confirm operation after completion)

Rotate with the hexagon driver (gear) and confirm the operation of the following item.

1. Opening the disc tray.
2. Movement of trat towards stock side.
3. Up-Down movement of spindle base unit.
4. Up-Down movement of traverse unit.

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8.10 Disassembling the Middle Chassis

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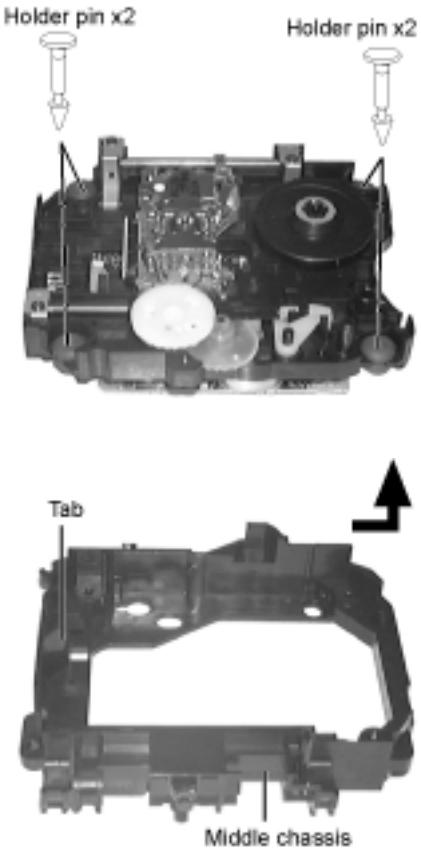
Step 1 Remove the holder pins.

Step 2 Remove the tab.

Step 3 It lifts while pulling it in the direction of the arrow.



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8.11 Terminal P.C.B.

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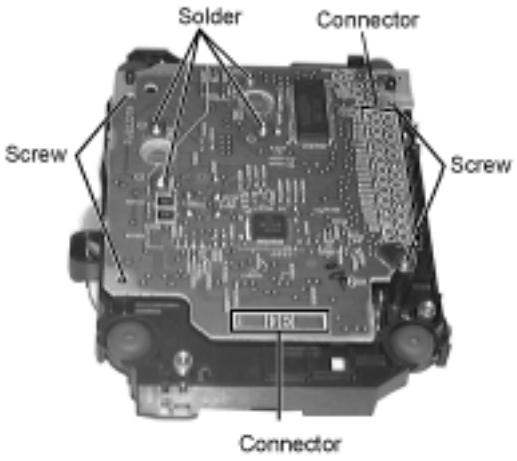
Step 1 Unscrew the screw.

Step 2 Remove the solders.

Step 3 Remove the connector.

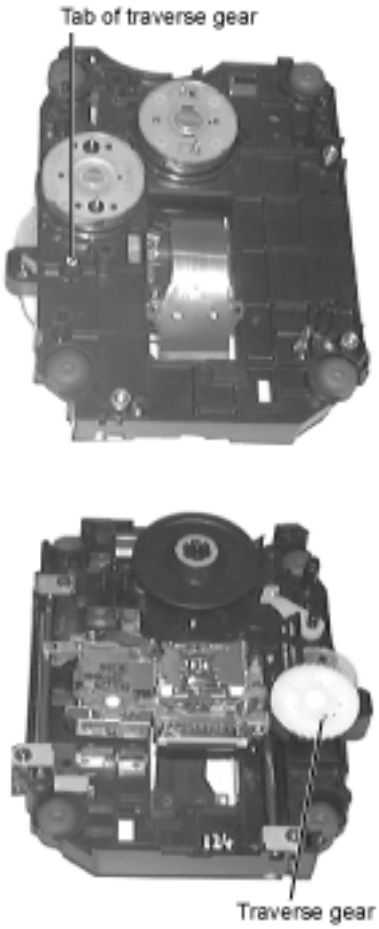


TOP PREVIOUS NEXT

8.12 Traverse Gear

Step 1 Disengage the tabs from the traverse gear.

Step 2 Remove the traverse gear.



8.13 Optical Pickup Unit

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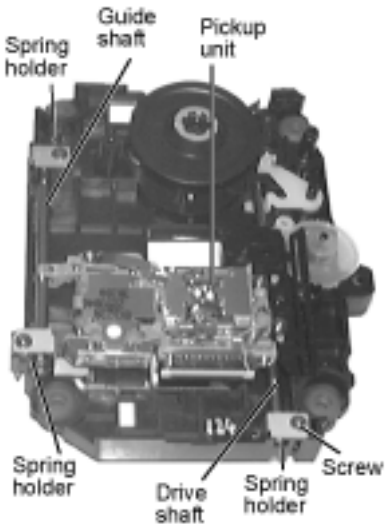
Step 1 Unscrew the screws.

Step 2 Remove the spring holders and the springs.

Step 3 Pull out the drive shaft and guide shaft.



8.13.1 Precautions in optical pickup replacement

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8.13.1 Precautions in optical pickup replacement

The optical pickup can be damaged by static electricity from your body. Be sure to take static electricity countermeasures when working around the optical pickup. (Refer to the related page in this Manual about the countermeasures.)

1. Do not touch laser diode, actuator and their peripheries.
2. Do not use tester to check laser diode. (Laser diode can be damaged easily.)
3. The use of soldering iron with anti-static feature is recommended when providing short-circuit to laser diode or when removing it.
4. Solder the land on flexible cable of optical pickup unit.

Caution

- When using the soldering iron without anti-static feature, short circuit the flexible cable terminal with a clip before short-circuiting the land.
- After intended repair is finished, remove the solder for short-circuit of laser diode in a correct way following the procedure described in this Manual.

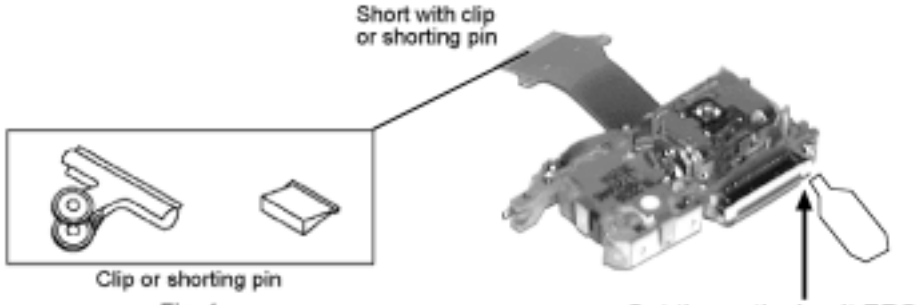
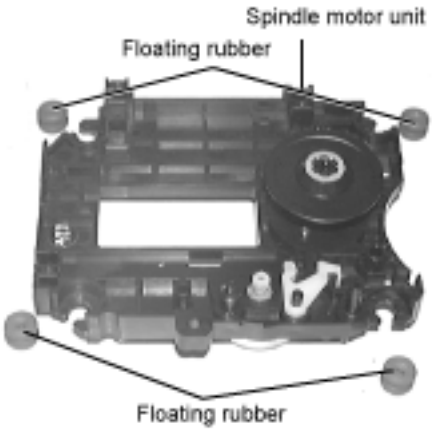


Fig. 1

Fig. 2

8.14 Disassembling the Spindle Motor Unit

Step 1 Remove the floating rubbers.



9 Optical Pickup Self-Diagnosis and Replacement Procedure

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9.1 Self-diagnosis

9.2 Cautions to Be Used Before Replacing the Optical Pickup Unit and Spindle Motor Assembly

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9.1 Self-diagnosis

The optical pickup self-diagnosis function and tilt adjustment check function have been included in this unit. When repairing, use the following procedure for effective Self-diagnosis and tilt adjustment. Be sure to use the self-diagnosis functionbefore replacing the optical pickup when “NO DISC” is displayed. As a guideline, you should replace the optical pickup when the value of the laser drive current is more than 55.

Note:

Press the power button to turn on the power, and check the value within three minutes before the unit warms up. (Otherwise, the result will be incorrect.)

9.2 Cautions to Be Used Before Replacing the Optical Pickup Unit and Spindle Motor Assembly

Before replacing the optical pickup unit and spindle motor assembly, check the total using hours for each of them. The checking method is as follow:

	Operating state & Key operation	Display
Using hours of CD laser	Press “STOP” and “^” on the remote control in this order while the unit is stopped.	xxxx_yyyy yyyy:Total hours are displayed by 4-digit figures (unit: 10 hours).
Using hours of DVD laser	Press “STOP” and “^” on the remote control in this order while the unit is stopped.	xxxx_yyyy xxxx:Total hours are displayed by 4-digit figures (unit: 10 hours).
Using hours of SP motor	Press “STOP” and “>” on the remote control in this order while the unit is stopped.	T2_xxxx xxxx:Total hours are displayed by 4-digit figures (unit: 10 hours).
Resetting using hours of CD and DVD lasers (Simultaneous resetting)	Press “STOP” “v” on the remote control in this order while the unit is stopped.	0000_0000
Resetting using hours of the motor	Press “STOP” and “<” on the remote control in this order while the unit is stopped.	T2_0000

Cautions to be taken when replacing the optical pickup

The optical pickup may break down due to the static electricity of human body. Take proper protection measures against static electricity before repairing the parts around the optical pickup. (See the page describing the PREVENTING OF STATIC ELECTRICITYDISCHARGE.)

1. Do not touch the areas around the laser diode and actuator.

2. Do not judge the laser diode with a tester. (The tester will be damaged easily.)

3. It is recommended to use a destaticized soldering iron for short-circuiting or removing the laser diode. (Recommended soldering iron) HAKKO ESD Product

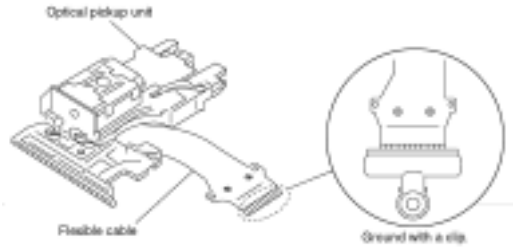
4. Solder the land of the flexible cable in the optical pickup.

   Note:

   - When using a soldering iron which is not destaticized, short-circuit the terminal face of the

flexible case with a clip. After that, short-circuit the land.

- After the repairing work is completed, remove the solder according to the correct procedure shown in this Technical Guide.



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10 Self-Diagnostic Function

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10.1 Outline

10.1.1 Outline of Functions

10.2 Self-Diagnostic Mode Settings and Display

10.3 Additional Functions

10.3.1 Tray Lock Function

10.3.2 Special Commands for the DVD Module

10.3.3 Jitter Offset Correction

10.4 Pseudo ROM Correction

10.4.1 Outline

10.4.2 EERPOM Flag Indicator Interpretation

10.4.3 CHECK SUM Display

10.4.4 Insertion Points for ROM Correction Processing

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10.1 Outline

- Self-Diagnosis of error conditions on user equipment according to conditions set by the head office.
- Occurance of an error condition and results of operations that occured after entering self-diagnostic mode are displayed via the front (FL) display panel.

10.1.1 Outline of Functions

10.1.1 Outline of Functions

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Selector	Complex Operation	Front Panel Display (Mode-in)	Next Operation	Test Content
DVD/CD	Main unit [STOP] Main unit [>>]	Y_ _ _ _ _ _ _ _ _ _ _ _ _	[OPEN/CLOSE]	Changer mechanism operation; Self-Diagnostic code acquisition
			[STOP] Single press	Display self-diagnostic code
			[STOP] Long press	Clear recorded content of error conditions
			Remote Control [5]	Changer mechanism continuous operation test
DVD/CD	Main unit [STOP] Remote Control [0]		None	Display DVD module self-diagnostic (Display error code)
	Main unit [STOP] Other Remote Control button			Remote control [5] [6] [7] [9] [>=10] → [0]. [>=10] →[ENTER] [PAUSE] [DISPLAY] etc. Special commands for DVD module
Tuner	Main unit [STOP] Main unit [>>]	Button check display	All buttons	Button check, blink all front display panel lights
DVD/CD	Main unit [STOP] Main unit [>>]	T_ _ _ _ _ _ _ _ _ _ _ _ _	[PAUSE]	Display analog device (AD) input value [FF FF FF] Front display panel (from left) [AN14] [AN15] [AN11]

Cautions:

Self-diagnostics displayed via the [STOP] key display all recorded self-diagnostic codes.

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10.2 Self-Diagnostic Mode Settings and Display

1. Power-source related

   * Example display

   * Self-Diagnostic Codes

No.	Error Display	Error Item	Detection Method
1	F61	Power Amp output error or power supply circuit error	When DCDET is L during normal operation do not POWER OFF normally, immediately set PCNT to L and display F61 error. Do not start demonstrations while error F61 is being displayed. Record content of error occuranceand display content in error detection mode.

2. CD/DVD Changer Mechanism (CR20)

Step	Operating Procedure	Micro-controller operation, processing, etc.
1	Switch the SELECTOR to CD/DVD, close tray without disk	
2	Press the [FF] button while holding down the [STOP] button for two seconds or more. Self-diagnostic mode is entered when the [STOP] button is released.	Self-diagnostic mode will not be entered if there is a disk in the tray.
3	[T] is displayed by the front display (FL) panel when entering self-diagnostic mode.	
4	Press the [OPEN/CLOSE] button.	Operations below will be continued. While operations are in progress buttons relating to the micro-controller will be ignored. A. Change disc 1 and open the tray. B. Close the tray 1 second after opening. C. Initialize the mechanism. D. Insert disc 5 in the play position and quit.
5	Confirm recorded error content by pressing the [STOP] button while stopped in the self-diagnostic mode and displaying the results of the error check.	Each time the [STOP] button is pressed error item codes are displayed in sequence on the front display panel Example of a DVD module content display: [_DVD_H05_ _]Example of a normal self diagnostic code display:[T_ _ _H02_ _]

6	Clear recorded error content by pressing the [STOP] button for 5 seconds or more while stopped in the self-diagnostic mode.	Recorded error content is cleared and the following is shown on the front display panel:[CLEAR] is displayed for one second followed by a return to [T_ _ _ _ _ _ _]
7	Cancel self-diagnostic mode by pressing the [POWER] button.	Power is turned off. At the next power on normal operation will resume.

* If an error occurs while checking the RAM during a micro-controller reset all recorded error detection content will be cleared while initializing the RAM.* By skipping step 4 of the above procedure and moving directly to step 6 it is possible to just display the self-diagnostic codes.* Example display

* Self-Diagnostic Codes

No.	Error Display	Error Item	Detection Method
1	H15	OPEN SW error	If there is a failsafe for a SW error that occurs during normal operation it will be recorded and displayed in self-diagnostic mode.
2	H16	CLOSE SW error	SW errors will be detected even in error detection mode.
3	H16	UP SW error	
4	H17	DOWN SW error	
5	H27	POSITION SW error	
7	F28	DISC mount error	
8	F29	DISC unmount error	

* While stopped in conditions 3 or higher above it is possible to start a CR20 continuous test. Described in detail seperately.

3. Analog Device (AD) input value display

* Pressing the [PAUSE] button on the main unit after having entered self-diagnostic mode through SELECTOR [DVD/CD] will show the analog device conversion input value on the front display panel.

* Each time the button is pressed the value will be read again and the display refreshed.

* Front display Panel:

Note:

Empty entries will displays as “00”.

AD Input	Usage
AN 14	Key 1 input : Key input 1
AN 15	Key 2 input : Key input 2
AN 11	MIC_VR input: MIC VR input

- Exit the Analog Device input value display mode by cutting off the AC power source and next time could start the device.

4. DVD/CD module

Step	Operating Procedure	Micro-controller operation, processing, etc.
1	Set the SELECTOR to CD/DVD	
2	While pressing the [STOP] button on the main unit press [0] button on the remote control	See the “DVD/CD/ Changer Control” section of “Error Display” for a detailed explanation.

* Since error detection for the DVD/CD module occurs in the system component and is sent through the mechanism component codes are received and displayed at the operating console.
* Since self-diagnostic codes for the DVD/CD module duplicate prior audio codes the self-diagnostic codes are displayed prefixed by “DVD”.

* Self-Diagnostic Codes

No.	Error Display	Error Explanation	Cause (IC number, etc.)
1	F010	Specified value is larger than the specified parental value.	Disk → IC7001
2	F020	No TT_SRPT (RLBN is 0)	Disk → IC7001
3	F021	TT_SRP number is 0	Disk → IC7001
4	F022	Specified value is larger than the TT_SRP number	Disk → IC7001
5	F023	No matching SRP for VTSN or VTS_TTN	Disk → IC7001
6	F024	Specified value is larger than TT_SRP.PTT_Ns	Disk → IC7001
7	F030	TTU_SRP number is 0	Disk → IC7001
8	F031	Specified value is larger than TTU_SRP number	Disk → IC7001
9	F040	SRP1 number is 0	Disk → IC7001
10	F041	PGCI_SRP number is 0	Disk → IC7001
11	F042	Specified value is larger than the PGCI_SRP number	Disk → IC7001
12	F043	No matching PGCI_SRP for this Menu ID	Disk → IC7001

13	F050	TMAP_SRP number is 0	Disk → IC7001
14	F051	Specified value is larger than the TMAP_SRP number	Disk → IC7001
15	F052	Specified TMAP_SA is 0	Disk → IC7001
16	F053	MAP_EN number is 0	Disk → IC7001
17	F060	C_POSIT exists, but there is no PGMAP in the PGC	Disk → IC7001
18	F061	C_POSIT exists, but the PG number in the PGC is 0	Disk → IC7001
19	F062	Specified value is larger than the PG number in the PGC	Disk → IC7001
20	F063	C_POSIT exists, but there is no C_PBIT in the PGC	Disk → IC7001
21	F064	C_POSIT exists, but the PG number in the PGC is 0	Disk → IC7001
22	F065	Specified Cell number is 0	Disk → IC7001
23	F066	Specified value is larger than the Cell number in the PGC	Disk → IC7001
24	F067	Must be a block array	Disk → IC7001
25	F070	Is not NV_PCK data	Disk → IC7001
26	FOB0	No Cell number for current search	Disk → IC7001
27	F0E0	No user guide PGC control file for DFD, cannot resolve	
28	F0E1	DFD main micro-controller type not compatible, cannot download	
29	F0E2	DFD download start; PGC playback error	
30	F0E3	Waiting for DFD download completion; PGC playback error	
31	F0E4	AVDEC during DFD download	
32	F0E5	Firmware file read error during DFD download	
33	F0E6	Interpolation check error in read-in DFD firmware	
34	F0F0	No firmware file for DFD; download unnecessary	
35	F0F1	No firmware matching the DFD download parameters; download unnecessary	
36	F103	Illegal Highlight Position	Disk → IC7001
37	F4FF	No ACK when requesting forced initialization of panel component	Panel Component → IC6001
38	F500	DSC Error	IC2001
39	F501	DSC Not Ready Error	IC2001
40	F502	DSC Time Out Error	IC2001
41	F503	DSC Communication Failure	IC2001
42	F504	Error adjusting DSC data slice offset	IC2001
43	F505	DSC Attention Error	IC2001
44	F506	Can’t determine media type (invalid media type)	IC2001
45	F600	Can’t access administrative data due to demodulation error	IC7001
46	F601	Undefined sector ID requested	IC7001

47	F602	Can’t’ access LEAD_IN data due to demodulation error	IC7001
48	F603	Can’t access KEY_DET due to demodulation error	IC7001
49	F610	Can’t control ODC	IC7001
50	F611	No CRCOK within the set time period (CD related)	IC7001
51	F612	No CRCOK within the set time period (DVD related)	IC7001
52	F620	Laser safeguard: high temperature condition	
53	F621	Laser safeguard: circuit failure condition	
54	F700	MBX Overflow	System component bug → IC6201
55	F701	Message Command Not Complete Error	System component bug → IC6201
56	F702	Message Command Changed	System component bug → IC6201
57	F880	Task number not relevant	System component bug → IC6201
58	F890	Attempted to send message while sending to an AV task (mailbox overflow, etc.)	System component bug → IC6201
59	F891	Couldn’t send message to AV task (mailbox overflow, etc.)	System component bug → IC6201
60	F8A0	Message command is not relevant	System component bug → IC6201
61	F893	Flash ROM is interpolated	IC6302
62	F894	EEPROM is not normal	IC6303
63	F895	Error in language destination (over D6)	
64	F896	Setting are for a non-existant model (over D6)	
65	F897	Initialization after writing not completing (over D6)	

No.	Error Display	Error Explanation	Cause (IC number,etc.)
1	U11	Focus servo error	
2	H01	Tray loading error	
3	H02	Spindle server error	
		DSC disk motor error	
		6626 CLVS FAILURE	
4	H03	Traverse motor error	
5	H04	Tracking server error	
6	H05	SEEK timeout error	

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10.3 Additional Functions

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10.3.1 Tray Lock Function

10.3.2 Special Commands for the DVD Module

10.3.3 Jitter Offset Correction

TOP PREVIOUS NEXT

10.3.1 Tray Lock Function

- There are two tray lock functions
- Power on through the SELECTOR /DVD/CD. While holding down the [CD STOP] button on the main unit press the [POWER] button on the main unit or the remote control. Lock Mode A will be entered, [_ _ _ _LOCKED_ _] will be displayedfor 3 seconds, and the current disc will begin playing.
- Lock Mode A will disable the button below while turning the power on or off.

  [OPEN/CLOSE]
- When locked in Lock Mode A pressing the [POWER] button on the main unit or the remote control while holding down the [CD STOP] button on the main unit will display [_ _UNLOCKED_ _] and unlock the unit.
- Power on through the SELECTOR DVD/CD. While holding down the [CD PLAY] button on the main unit press the [POWER] button on the main unit or the remote control. Lock Mode B will be entered, [_ _ _LOCKED_ _] will be displayed for 3 seconds,and the current disc will begin playing.
- In Lock Mode B the button below, mainly selector and disc operation related items, will be disabled.

  Main Unit: [OPEN/CLOSE] [PAUSE] [STOP] [I<</V] [SELECTOR] [DISK SKIP]

  Remote Control: [AUX] [DVD/CD] [TV] [VCR] [TUNER/BAND] [0] ~ [9] [>=10] [DISK]

  [I<<] [I>>] [PAUSE] [STOP] [<<] [>>] [REPEAT] [POSITION]

  [A-B REPEAT] [MARKER] [DISPLAY] [MIX2ch] [TEST] [TIMER] [FL DISPLAY] [CH SELECT]

  [KARAOKE ON/OFF] [KARAOKE DISPLAY] [VOICE] [MUTE]

  [ECHO] [b] [#] [CENTER FOCUS] {SEAT POSITION] [RETURN] [DISK SKIP]

  [CINEMA] [GROUP] [PAGE]

While playing it is not necessary to re-disable buttons disabled under Lock Mode B.

Also, button related to sound quality are not disabled. The buttons below are not disabled.

Main Unit: [POWER]

Remote Control: [POWER] [DISK MANAGER] [PALY MODE] [CANCEL] [SFC] [SUBWOOFER LEVEL]

[VOL-] [VOL+] [SUPER SURROUND] [DOLBY PROLOGIC] [SUB TITLE] [AUDIO] [ANGLE]

[TOP MENU] [MENU] [ENTER] [<] [>] [^] [V] [MUTING] [PLAY]

- When locked in Lock Mode B pressing the [POWER] button on the main unit or the remote control while holding down the [CD PLAY] button on the main unit will unlock the unit after displaying [_ _UNLOCKED_ _] for 3 seconds.
- Tray lock is canceled when AC power is cut.
- Tray lock A and B functions are exclusive operations. The first one enabled will have priority.
- In Lock Mode A any selector button is allowed to start auto power on.

  In Lock Mode B all selector buttons are disable from starting auto power on.
- When a disabled button is pressed while in lock mode [_ _ _LOCKED_ _] will be displayed for 3 seconds on the front display panel.
- Lock mode will be cancelled when a loading error occurs with the CR20.

  (If the [OPEN/CLOSE] button were disabled when the tray is opened by a TAKE OUT DISC error recovery would be impossible)

10.3.2 Special Commands for the DVD Module

- When the SELECTOR is set to DVD/CD the commands for the operations below will be sent to the mechanism component micro-controller.
- The mechanism component micro-controller relays these commands without alteration to the DVD module.
- THe DVD module sends data resulting from commands to the mechanism component, where they are then relayed to the operating console.
- Data received from the DVD module by the operating console is displayed by the right 10 digits.
- Command Table

Special Operation	Command	Operation/Display	Release/Remarks
Jitter Display (servo test mode)	B5	Main Unit [STOP] + Remote Control [5] xxx: jitter measurement (DEC) [xxx_yyy_zz] yyy:read error counter (DEC) zz: focus drive measurement (HEX) Test string from DVD MODULE: [J_xxx_yyy_zz]	Send STOP command from operating console
Region Display (location display)	B6	Main Unit [STOP] + Remote Control [6] w: region number [_ _w_xy_zzz] x: N noPAL P PAL y: N NTSC 6 PAL60 zzz: panel component jumper data Text string from DVD MODULE:[_ _w_xy_zzz]	5 seconds after activation the text string from the DVD MODULE dissappears and display is automatically turned off.

Version Display	B7	Main Unit [STOP] = Remote Control [7] s: panel component mode type [srrrxxyzzz] rrr: panel component release number [_ _ _xxyzzz] x: generation of system component (45) y:system component model type zzz: system component release number Text string from DVD MODULE: [srrr_ _xxyzzz] srrr will be blank with mini-components	5 seconds after activation the text string from the DVD MODULE dissappears and display is automatically turned off.
Error Code Display	BA + request record number	Main Unit [STOP] + Remote Control [0] [__DVD_Fxxx] xxx: error number [__DVD_Uxxx] [__DVD_Hxxx]	5 seconds after activation the text string from the DVD MODULE dissappears and display is automatically turned off.
Laser Current Initial measurement (saved laser power value)	C2	Main Unit [STOP] + Remote Control [PAUSE] [DO_034_028] 034: DVD current measurement (mA) (DEC) 028: CD current measurement (mA) (DEC) Text string from DVD MODULE: [LDO_034_028]	
DVD Laser Current Measurement	C3	Main Unit [STOP] + Remote Control [DISPLAY] 034: saved in EEPROM [DD_034_032] initial current mearement (mA) (DEC) 032: present current measurement (mA) (DEC) Text stringfrom DVD MODULE: [LDD_034_032]	Laser lighting remains on until POWER OFF of the tray opens.
ADSC Internal RAM Display A	C4	Main Unit [STOP] + Remote Control [1] [A_0FA_6901] 0FA: address (HEX) 6901: RAM value of display address (HEX)	STOP command is sent from the operating console to the DVD MODULE
ADSC Internal RAM Display B	C5	Main Unit [STOP] + Remote Control [2] [A_0FA_6901] 0FA: address (HEX) 6901: RAM value of display address (HEX)	STOP command is sent from the operating console to the DVD MODULE

kink measurement (invalid pick detection)	C6	Main Unit [STOP] + Remote Control [9] [FK_109_101] 109: maximum value of calculated value (DEC) 101 : ratio of maximum value to minimum value [FK_ER_9101] ER: display error occurance 9101:ADSC command error code	STOP command is sent from the operating console to the DVD MODULE
User Initialization (For users)	BC+ Model Table + 0 x 00	Main Unit [STOP] + Remote Control [>=10] [INITIALIZED] display on the operating console for 2 seconds. When display clears the user initialization commands is output thesystem component. Returns user settings to factory values.	When the [INITIALIZED] on the front panel dissappears the operation is complete. to GUI is INITIALIZE.
All Reset (for design service)	BC+ Model Table + 0 x 3C	While [INITIALIZED] is being displayed from the user initialization operation press [STOP] on the main unit and [ENTER] on the remote control. [_DVD_RESET] is displayed on the operatingconsole and the all reset command is output instead of the user initialization command. Returns user settings to factory values. Panel component jumpers are referenced, and the appropriate model number's initialization values arewritten to the EEPROM and global region. Laser times and spindle times are not initialized.	If NO DISC or ---READ can be confirmed after DVD RESET is displayed on the front display panel the operation is completed. No GUI. All items temporarily dissappear.
All set (for industrial production)	F1	Receipt of remote control code [B0 00 F1]. Also, Main Unit [STOP] + Remote Control [1DDF] [_ALL_SET] (display text string from system component). Returns user settings to factoryvalues. Panel component jumpers are referenced, and the appropriate model number's initialization values are written to the EEPROM and the global region. Laser times and spinlde times are also initialized.	If NO DISC or ---READ can be confirmed after ALL SET is displayed on the front display panel the operation is completed. ALL SET is displayed on the front displaye panel the operation iscompleted. GUI is ALL SET.
Device Name Display	B1+ 0 x 13	Main Unit [STOP] + Remote Control [4] [FEP_??????] [SRV_??????] [ODC_??????] [Av_??????] [SYS_??????]	Display cycles every 3 seconds. Display automatically turns off after the last device name is displayed.

Laser Time Use	B1+ 0 x 14	Main Unit [STOP] + Remote Control [^] 1234 : DVD laser use time [_1234_5678] 5678: CD laser use time 10 hour units displayed in 4 digits Text string from DVD MODULE: [T1_1234_5678]	5 seconds after activation the text string from the DVD MODULE dissappear and display is automatically turned off.
Reset Laser Time Use	B2 + 0 x 14	While use time is being displayed press Main Unit [STOP] + Remote Control [V] [_0000_0000] DVD and CD are both reset at the same time.	5 seconds after activation the text string from the DVD MODULE dissappear and display is automatically turned off.
Spindle Use Time	B1 + 0 x 15	Main Unit [STOP] + Remote Control [>] [___T2_1234] 1234: 10 hour units displayed in 4 digits Text string from DVD MODULE: [T2_1234_____]	5 seconds after activation the text string from the DVD MODULE dissappear and display is automatically turned off.
Reset Spindle Use Time	B2 + 0 x 15	While use time is being displayed press Main Unit [STOP] + Remote Control [<] [___T2_0000]	5 seconds after activation the text string from the DVD MODULE dissappear and display is automatically turned off.
CD Laser Current Measurement	B1 + 0 x 92	Main Unit [STOP] + Remote Control [3] 028: initial current value [DC_028_026] stored in EEPROM (mA) 026: Present current value (mA) Text string from DVD MODULE: [LDG_028_026]	Laser lighting continues until POWER OFF or the tray opens.
Region and Firmware Version Display	BF + 0 x 92	Main Unit [STOP] + Remote Control [8] r: region number [__r__xyzzz] x: generation of system component y: system component model type zzz: system component model type Textstring from DVD MODULE: [____r__xyzzz]	5 seconds after activation the text string from the DVD MODULE dissappear and display is automatically turned off.
Transmission Error Display	BF + 0 x 11	Main Unit [STOP] + Remote Control [MENU] [_ERR_02/30]	5 seconds after activation the text string from the DVD MODULE dissappear and display is automatically turned off.

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10.3.3 Jitter Offset Correction

- The jitter offset correction function below is necessary for D5, but is not necessary for D8.
- While displaying K objects,certain remote control operations correct the offset of the DVD MODULE jitter value.
- When the DVD module firmware rewriting connector is inserted K objects will be displayed [KC 00 0000].
- Key codes of input from the remote control's ten key while displaying K objects are relayed to the system component by the operating console.
- Inputting [2] [0] from the remote control returns a 14 hex value from the system component. The value is converted from hex → dec and displayed as [KC 20 0000].
- Continuously pressing the [PLAY] button returns the offset result as a text string from the system component, which is displayed as [KC 20 0002].
- The DVD Module has functions that support buttons other than [2] [0] [PLAY], so when K objects are being displayed key codes are as below.

  [0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [>=10] [PLAY]

10.4 Pseudo ROM Correction

10.4.1 Outline

10.4.2 EERPOM Flag Indicator Interpretation

10.4.3 CHECK SUM Display

10.4.4 Insertion Points for ROM Correction Processing

10.4.1 Outline

- Since the Mitsubishi M3819 series micro-controller is capable of making programs operate in RAM the pseudo ROM corrections below are possible.
- Program the process calling the modifying sub-routine in advance.
- Program the process to read-out the program from the EEPROM into RAM in advance.
- Processes previous to the read-out cannot be modified.
- In pseudo ROM corrections defective processses cannot be completely bypassed.

10.4.2 EERPOM Flag Indicator Interpretation

- Regardless of the EEPROM flag indicator CS/CLK/DATA is output and the DATA read-in process occurs.

  Accordingly, even if there is no EEPROM hardware processing at the terminal is necessary.

- If the data read-out below is valid then an EEPROM will be determined to be present, and the modifying program will be read-out.

  - When the MASK ROM file name (8 character ASCII code, 8 bytes) and the EEPROM file name match.

  - When the modifying points flag indicator data (8 points, 1 byte) written at two places on the EEPROM match.

10.4.3 CHECK SUM Display

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- In order to confirm that the EEPROM is loaded, the operations below display the CHECK SUMs for the Operating Console, mechanism component, and DSP micro-controller EEPROMs.

- Receiving [1DDF or 1CDF] when in Process Check Mode with Process Check Mode-in [1DDF or 1 CDF] will display the operating console's version and EEPROM CHECK SUM.

- If [1DDF or 1CDF] are received while the operating console's version and EEPROM CHECK SUM are being displayed the mechanism component's version and EEPROM CHECK SUM are displayed.

- If [1DDF or 1CDF] are received while the mechanism component's version and EEPROM CHECK SUM are being displayed the DSP micro-controller's version and EEPROM CHECK SUM are displayed.

- If a valid remote control code is received while the CHECK SUM is being displayed the CHECK SUM display will be erased to confirm with that operation and display.

- When the result of referencing the EEPROM is a differing file name [NO] will be displayed, just as when no EEPROM is present.

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10.4.4 Insertion Points for ROM Correction Processing

- Processing read-outs from EEPROM
    - RCaccE2PrSUB: Insert after port or control register setting (AC check).

      It is also necessary for the EEPROM's power supply to be in power-off (AC positive).
- Processing Modifying Program Calls
    - RCtimerinsSUB: Insert at the end of the timer interrupt.
    - RCschedulerSUB: Insert in the OS scheduler.
    - RCinitialSUB: Insert after initialization, immediately before jumping to the main process.
    - RCstandbySUB: Insert immediately before the power failure process STP command.
    - RCimagetskSUB: Insert immediately before branching to individual image processing.
    - RCdisptskSUB: Insert immediately before processing the data settings for the display RAM.
    - Rcreserve0SUB: Insert in the transmission process to the CD mechanism component.
    - Rcreserve1SUB: Insert in the transmission process to the DSP control micro-controller.
- Data inside the EPROM (Required RAM capacity)
    - EEPROM flag indicator determination data: 10 bytes
    - Modifying Program's starting address: 16 bytes
    - Modifying Program: remaining bytes

11 Adjustment Procedures

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11.1 Service Tools and Equipment

11.2 Important points in adjustment

11.2.1 Important points in optical adjustment

11.2.2 Important points in electrical adjustment

11.3 Storing and Handling Test Discs

11.4 Optical Adjustment

11.4.1 Optical pickup tilt adjustment

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11.1 Service Tools and Equipment

Application	Name	Number
Tilt adjustment	DVD test disc	DVDT-S15 or DVDT-S01
	Hex wrench	Availabel on sale route.
Inspection	Extension cable (module P.C.B. to mother P.C.B.)	JGS0116
	Extension cable (module P.C.B. to mother P.C.B.)	JGS0098
Others	Screw lock	RZZ0L01
	Frease (1)	RFKXGAK152
	Grease (2)	RFKXGP641
	Oil (1)	RFKXGA1280
	DISPLAY	Checking the laser drive current
Confirmation	CD test disc	PVCD-K06 or any other commerically available disc
	VCD test disc	PVCD-K06 or any other commerically available disc
	Recovery disc	RFKZD5TR006

11.2 Important points in adjustment

11.2.1 Important points in optical adjustment

11.2.2 Important points in electrical adjustment

11.2.1 Important points in optical adjustment

- Before starting optical adjustment, be sure to take anti-static measures.
- Optical pickup tilt adjustment is needed after replacement of the following components.

1. Optical pickup unit
2. Spindle motor unit
3. Optical pickup peripheral parts (such as rail)

Notes

Adjustment is generally unnecessary after replacing other parts of the traverse unit. However, make adjustment if there is a noticeable degradation in picture quality. Optical adjustments cannot be made inside the optical pickup. Adjustment is generallyunnecessary after replacing the traverse unit.

11.2.2 Important points in electrical adjustment

- Follow the adjustment procedures described in this Manual.

11.3 Storing and Handling Test Discs

- Surface precision is vital for DVD test discs. Be sure to store and handle them carefully.

1. Do not place discs directly onto the workbench, etc., after use.

2. Handle discs carefully in order to maintain their flatness. Place them into their case after use and store them vertically. Store discs in a cool place where they are not exposed to direct sunlight or air from air conditioners.

3. Accurate adjustment will not be possible if the disc is warped when placed on a surface made of glass, etc. If this happens, use a new test disc to make optical adjustments.

4. If adjustment is done using a warped disc, the adjustment will be incorrect and some discs will not be payable.

11.4 Optical Adjustment

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11.4.1 Optical pickup tilt adjustment

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11.4.1 Optical pickup tilt adjustment

Measurement point	Adjustment point	Mode	Disc
	Tangential adjustment screw Tilt adjustment screw	T01 (inner periphery) play T43 (outer periphery) play	DVDR-S15 or DVDT-S01
Measuring equipment		Adjustment value	
None (Main unit display for servicing is used.)		Adjust to the minimum jitter value.	

11.4.1.1 Adjustment Procedure

1. While pressing STOP button on the main unit, press “5” on the remote control unit.
2. Confirm that “J_xxx_yyy_zz” is shown on the front display.

   For your information

   “yyy” and “zz” shown to the right have nothing to do with the jitter value. “yyy” is the error counter, while “zz” is the focus drive value.

   Note:

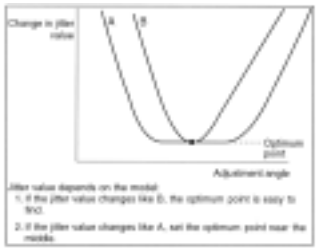
   Jitter value appears on the front display.
3. Play test disc T01 (inner periphery).
4. Adjust tangential adjustment screw so that the jitter value is minimized.
5. Play test disc T43 (Outer periphery).
6. Adjust tilt adjustment screw 1 so that the jitter value is minimized.
7. Play test disc T43 (outer periphery).
8. Adjust tilt adjustment screw 2 so staht the jitter value is minimized.
9. Repeat adjusting tilt adjustment screws 1 and 2 alternately until the jitter value is minimized.

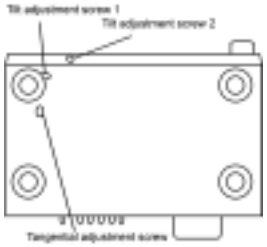
11.4.1.2 Important points

1. Make tangential adjustment first, and then make tilt adjustment.

2. Repeat adjusting two or three times to find the optimum point.

3. Finish the procedure with tilt adjustment.





11.4.1.3 Check after adjustment

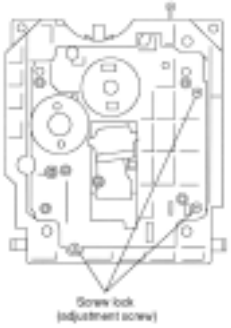
Play test disc or any other disc to make sure there is no picture degradation in the inner, middle and outer peripheries, and no audio skipping. After adjustment is finished, lock each adjustment screw in position using screw lock.

11.4.1.4 Procedure for screw lock

1. After adjustment, remove top cover, tray, clamper base and traverse unit in this sequence.

2. Lay the traverse unit upside down, and fix adjustment screw with screw lock.

3. After fixing, reassemble traverse unit, clamper base, tray and top cover.



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12 Electrical Adjustment

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12.1 Video Output (Brightness Signal) adjustment

12.2 Video Output (Colour Signal) adjustment

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12.1 Video Output (Brightness Signal) adjustment

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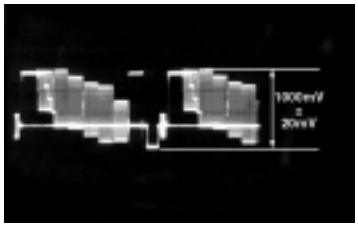
Carry out this adjustment after board replacement.

Measurement Point	Adjustment Mode	Test Disc
Video output jac	Colour bar 75%Playback (Title 46) : DVDT-S15Playback (Title 12): DVDT-S15	DVDT- S15orDVDT-S01
Required equirmentScrewdriver, oscilloscope	Adjustment	
	1000mVp-p±20mV	

Purpose: To ensure compatibility of video signal output.1. Connect the oscilloscope to the video output jacks and set 75Ω.



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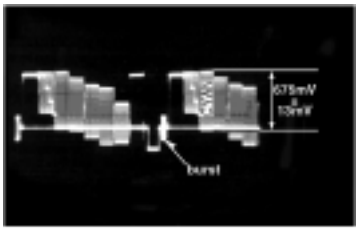
12.2 Video Output (Colour Signal) adjustment

TOP PREVIOUS NEXT

Carry out this adjustment after board replacement.

Measurement Point	Adjustment Mode	Test Disc
Video output jac	Colour bar 75%Playback (Title 46) : DVDT-S15Playback (Title 12): DVDT-S15	DVDT- S15orDVDT-S01
Required equirmentScrewdriver, oscilloscope200mV/div, 10 µ sec/div	Adjustment	
	675mVp-p±13mV	

Purpose: To ensure compatibility of video signal output.1. Connect the oscilloscope to the video output jacks and set 75Ω.



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13 Illustration of IC’s, Transistors and Diodes

14 Terminal Function of IC’s

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14.1 IC601 (C2BBGF000311) System Control

14.2 IC451 (C2BBFD000307) Mecha Control

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14.1 IC601 (C2BBGF000311) System Control

Pin No.	Mark	I/O	Function
1	D5_LED	I/O	Disc 5 LED Control. Active H.
2	D4_LED	I/O	Disc 4 LED Control. Active H.
3	D3_LED	I/O	Disc 3 LED Control. Active H.
4	D2_LED	I/O	Disc 2 LED Control. Active H.
5	D1_LED	I/O	Disc 1 LED Control. Active H.
6	Region	I/O	DVD region setting
7	KEY2	I/O	Key 2 input
8	KEY1	I/O	Key 1 input
9	JOG1B	I/O	JOG 1 INPUT B. Main Volume.
10	JOG1A	I/O	JOG 1 INPUT A. Main Volume.
11	MIC_VOL	I/O	MIC VR AD input
12	DSPRST	I/O	DSP reset output.
13	DSPACK	I/O	DSP ACK input.
14	SENSE	I/O	DSP sense input.
15	PHONE	I/O	SW input for PHONE SW detection. L: without PHONE/ H:with PHONE
16	MIC SW	I/O	SW input for MIC detection. L: without MIC/ H: with MIC
17	VSS	-	GROUND (VPP power input during FLASH)
18	RESET	I	Reset input. Active L.
19	N.C.	L	OPEN or GND with Resistor
20	N.C.	L	OPEN or GND with Resistor
21	VSS	-	GROUND (0V)
22	XIN	I	4.00MHz Main Clock.
23	XOUT	O	4.00MHz Main Clock.
24	VCC	-	Power Supply. (+5V)
25	EDA	I/O	EEPROM data output
26	ECK	I/O	EEPROM clock output
27	PCNT	I/O	PCNT output. Power control output.
28	DCDET	I/O	DCDET input. DC power detection input.
29	RDS CLK	I/O	RDS clock input
30	RDS DATA	I/O	RDS data input

31	RMT	I/O	REMOCON input. Remote control input
32	SYNC	I/O	AC failure DET input. Synchronized input for detection of power failure
33	SER4	I/O	Serial 4 output
34	SER3	I/O	Serial 3 output
35	SER2	I/O	Serial 2 output
36	SER1	I/O	Serial1 output
37	SER 5	I/O	Serial 5 output (ECHO CS)
38	ECS	I/O	EEPROM CS output
39	N.C.	-	OPEN or GND or GND with Resistor
40	N.C.	-	OPEN or GND or GND with Resistor
41	N.C.	-	OPEN or GND or GND with Resistor
42	N.C.	-	OPEN or GND or GND with Resistor
43	SD IN	I/O	Tuner signal DET input
44	DO/ST	I/O	Tuner DO/ST input
45	WAKE LED	I/O	WAKE UP display LED control. Active H
46	N.C.	I/O	OPEN or GND or GND with Resistor
47-54	GRID8-GRID1	I/O	Grid drive output (Digit drive output)
55-80	SEG34-SEG9	I/O	Segment drive output (Anode drive output)
81-88	SEG8(REG8)-SEG1(REG1)	O	Segment drive output (Anode drive output) Control output for regional area, function selection
89	VEE	-	Power (-30V)
90	MECHSI	I/O	Mecha control data input (Communication with DVD mechanical controls
91	MECHSO	I/O	Mecha control data output (Communication with DVD mechanical controls
92	MECHCK	I/O	Mecha control clock intput (Communication with DVD mechanical controls
93	MECHRQ	I/O	Mecha con request output (Communication with DVD mechanical controls
94	MECHCS	I/O	Mecha control CS input (Communication with DVD mechanical controls
95	MECRST	I/O	Mechon reset output (Communication with DVD mechanical controls
96	REG_IN	I/O	Region input (Input setting for regional area, Function)
97	AVSS	-	Power Jack (0V) AD Converter GROUND
98	VREF	-	Reference For A-D (+5V)
99	N.C.	I/O	OPEN or GND with Resistor
100	CRT	I/O	CR timer control. Power failure time detection.

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14.2 IC451 (C2BBFD000307) Mecha Control

Pin No.	Mark	I/O	Function
1	VCC	I	Power connection terminal
2	VREF	I	Standard voltage input terminal
3	AVSS	-	Standard voltage input terminal (connected to GND)
4	MUTE	O	Mute control output terminal
5	PWCONT	O	DVD module power control output terminal
6	SYNC	I	Power disruption detection signal input terminal
7	C/SWOUT	-	Not used, Open
8	B_REQ	I	Serial transmission request signal input terminal
9	B_CS	O	Serial transmission chip select signal output terminal
10	B_CLK	O	Serial transmission clock signal output terminal
11	DATA O	O	Serial transmission data signal output terminal
12	DATA I	I	Serial transmission data signal output termianl
13	CLS	O	Tray close signal output terminal
14	OPN	O	Tray open signal output terminal
15	CNVSS	-	Power input terminal (connected toGND through resistor)
16	TEST	I	Test mode signal input terminal
17	ECS	-	Serial signal output terminal to EEPROM (not used, open)
18	REST	I	Reset signal input terminal
19	XIN	I	Crystal oscillator circuit input terminal (=8MHz)
20	XOUT	O	Crystal oscillator circuit output terminal (=8MHz)
21	VSS	-	Power input terminal (connected to GND)
22	LED_STB	-	Serial signal output terminal to LED driver (not used, open)
23	LED/E_CLK	-	Serial signal output terminal to EEPROM driver (not used, open)
24	LED/E_DTA	I/O	Serial signal input/output terminal to LED driver (connected to GND through resistor)
25	LED_CLR	_	Latch clear signal output terminal to LED driver (not used, open)
26	PLG	O	Plunger control signal output terminal
27	SW5	I	Bottom switch detection signal input terminal
28	PSTN	I	Position sensor detection signal input terminal
29	SW2	I	Tray position 2 detection switch input terminal
30	SW1	I	Tray position 1 detection switch input terminal

31	SW3	I	Tray open detection switch input terminal
32	CCW	O	Motor drive control signal output terminal (normal rotation)
33	CW	O	Motor drive control signal output terminal (reverse rotation)
34	HALF	O	Motor drive control signal output terminal (speed)
35	DVD_CLK	I	Serial transmission clock signal input terminal to DVD module
36	DVD_CMD	I	Serial transmission command signal input terminal to DVD module
37	DVD_STAT	I	Serial transmission status signal input terminal to DVD module
38	SEL 5/1	I	Connected to GND through resistor
39	SW4	I	Clamp switch detection signal input terminal
40	KEY2	-	Operation key 2 signal input terminal (connected to GND)
41	KEY1	-	SOperation key 1 signal input terminal (connected to GND)
42	CSEL	I	Chip select signal input terminal (connected to GND through resistor)

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15 Block Diagram

16 Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

- S101

  : Switch

- S621

  : Power switch

- S630

  : Open/ Close switch

- S631

  : Stop switch

- S632

  : Pause switch

- S633

  : Play switch

- S634

  : RWD switch

- S635

  : FWD switch

- S636

: Selector switch

- S637

  : Subwoofer Level switch

- S638

  : SFC switch

- S639

  : Disc Skip switch

- SW1

  : Push switch

- SW2

  : Push switch

- SW3

  : Leaf switch

- SW4

  : CD switch

- SW5

  : Lock switch

- SW 2601

  : Leaf switch

- VR601

  : VR Volume Jog

- The voltage value and waveforms are the reference voltage of this unit measured by DC

electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveformsdepending upon the internal impedance of the tester or the measuring unit.

(( )) : CD < > : FM

- Importance safety notice :

  Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. Whenreplacing any of components, be sure to use only manufacturer´s specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

17 Printed Circuit Board

Note: Circuit board diagrams may be modified at any time with the development of new technology.

18 Wiring Connection Diagram

19 Parts Location and Replacement Parts List

Notes:

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of these components, be sure to use only manufacturers's specified parts shown in the parts list.

- The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.)

  Parts without these indications can be used for all areas.

- Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode".

  ACHTUNG:

  - Die Lasereinheit nicht zerlegen.
  - Die Lasereinheit darf nur gegen eine vom Hertsteller spezifizierte Einheit ausgetauscht werden.

- Capacitor values are in microfarad (μ F) unless specified otherwise, P=Pico-farads(pF); Farads.

- Resistance values are in ohms, unless specified otherwise, 1K=1,000(ohms).

- The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availabilityis dependant on the type of assembly, and in accordance with the laws govening part and product retention. After the end of this period, the assembly will no longer be available.

- [M] indicates in the Remarks columns indicates parts that are supplied by MESA .
- The “(SF)” mark denotes the standard part.
- Reference for O/I book languages are as follows :

Ar : Arabic	Cf : Canadian French	Cz : Czech	Da : Danish
Du : Dutch	En : English	Fr : French	Ge : German
It : Italian	Ko : Korean	Po : Polish	Ru : Russian
Sp : Spanish	Sw : Swedish	Co : Traditional Chinese	Cn : Simplified Chinese

19.1 CD Loading Mechanism (RD-DAC036-S)

19.1.1 CD Loading Mechanism Parts Location

19.1.2 CD Loading Mechanism Parts List

19.2 Cabinet

19.2.1 Cabinet Parts Location

19.2.2 Cabinet Parts List

19.3 Component Parts List

19.4 Packing Materials & Accessories Parts List

19.5 Packaging

19.1 CD Loading Mechanism (RD-DAC036-S)

19.1.1 CD Loading Mechanism Parts Location

19.1.2 CD Loading Mechanism Parts List

19.1.1 CD Loading Mechanism Parts Location

19.1.2 CD Loading Mechanism Parts List

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Ref. No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK	
301	RML0517	TIMING LEVER	[M]
302	RML0516	PLUNGER LEVER	[M]
303	RMB0551	UPPER SPINDLE SPRING	[M]
304	RMQ0744	LOWER HOOK	[M]
305	RDV0056	BELT	[M]
306	RML0525	FRONT LOCK	[M]
307	RML0526	DISC LEVER	[M]
308	RDG0424	DRIVE GEAR	[M]
309	RDG0425	CHANGE GEAR	[M]
310	RDG0427	TRV CAM GEAR	[M]
311	RDG0428	TRV RELAY GEAR	[M]
312	RDG0426	UP/DOWN GEAR	[M]
313	RDG0429	PULLEY GEAR	[M]
314	RMB0549-1	CHANGR GEAR SPRING	[M]
315	RMQ0748	PITCH PLATE	[M]
316	RMB0553	PUSH SPRING	[M]
317	RML0530	ASSIST LEVER	[M]
318	RML0518	CONNECTION LEVER	[M]
319	RMM0201	SLIDE PLATE 1	[M]
320	RME0258	REAR LOCK SPRING	[M]
321	RML0521	REAR LOCK LEVER	[M]
322	RME0257	TRAY LOCK LEVER SPRI	[M]
323	RML0520	TRAY LOCK	[M]
324	RMM0202	SLIDE PLATE 2	[M]
325	XTB3+10J	SCREW	[M]
326	RMR1367-K	FIXED PLATE	[M]

327	RMR0624-W	CLAMPER	[M]
328	RMB0561	ASSIST LEVER SPRING	[M]
329	RMR1121-K	MECHA COVER	[M]
330	RMA1110-2	TRAY ANGLE	[M]
331	RMR1122-H1	TRAYBASE	[M]
332	RMM0204	CARRIER	[M]
333	RMM0203	DRIVE RACK	[M]
334	RDG0432	SPEED UP GEAR	[M]
335	RML0524	SLIDE LOCK	[M]
336	RML0523	CARRIER LOCK	[M]
337	RME0260-1	SLIDE LOCK SPRING	[M]
338	RMR1123-H	TRAY	[M]
339	RXQ0595	MOTOR ASSY	[M]
341	RSJ0003	SOLENOLD ASSY	[M]
344	RML0519	8CD LEVER	[M]
345	RFKNAAK27GCS	MECHA BASE ASS'Y	[M]
346	RML0522	TURNING STOPPER	[M]
347	RMQ0745	LOWER SPINDLE	[M]
348	RMQ0746	UP/DOWN BASE	[M]
349	RMB0550	LOWER SPINDLE SP	[M]
350	RMQ0747	UPPER HOOK	[M]
351	RME0263	CLICK SPRING	[M]
352	RMQ0743	SPINDLE SHAFT	[M]
353	RMB0552	CUSHION SPRING	[M]
354	RDG0430	RELAY GEAR A	[M]
355	RDG0431	RELAY GEAR B	[M]
356	RME0262	DISK LEVER SP.	[M]
357	RMA1105	SUPPORT PLATE	[M]
369	RMX0141	PUSH SPACER	[M]
370	RMQ0749	UPPER SPINDLE	[M]
371	RHM0001	MAGNET	[M]
372	RMX0140	DISC SPACER	[M]
373	RME0261	FRONT LOCK SPRING	[M]
374	RMQ0742	SPINDLE BASE	[M]

375	RMA1435	PB ANGLE	[M]
376	RMC0387	SUPPORT SPRING	[M]
377	RMA1003	BACK YOKE	[M]
378	XTV2+6G	PCB SCREW	[M]
379	XTW3+10T	SCREW	[M]
400	RXQ1028	SPINDLE MOTOR ASS'Y	[SPC]
401	RMG0558-K	P.C.B. RUBBER	[M]
402	RHD20060	P.C.B. SCREW	[M]
403	RDG0499	TRV GEAR A	[M]
404	RDG0500	TRV GEAR B	[M]
405	RDG0501	TRV GEAR C	[M]
406	RHD17044	DRIVE RACK SCREW	[M]
409	RMC0415	ADJUST SPRING HOLDER	[M]
410	RMC0416	ADJUST SPRING HOLDER	[M]
412	RME0319	TRV GEAR SPRING	[M]
413	RME0320	ADJUSTMENT SPRING	[M]
414	RMM0234-1	TRV DRIVE RACK	[M]
415	RMR1366-K	UNIT CHASSIS	[M]
416	RMG0545-A	FLOATING RUBBER	[M]
417	RMS0711	GUIDE SHAFT	[M]
418	RMS0712-1	FIXED PIN	[M]
419	RMX0192	INNER STOPPER	[M]
421	VHD1224	ADJ SPRING HOLDER SC	[M]
424	RMS0710	DRIVE SHAFT	[M]
425	RD-DDP006-S	OPU DVD	[M]
426	RHD14095	FPC SCREW	[M]
427	RJB2308A-1	INTERFACE FPC	[M]
428	RMG0561-T	CUSHION RUBBER	[M]
429	RHD14096	SHAFT APRING SCREW	[M]
430	RMC0418	SHAFT SPRING	[M]

19.2 Cabinet

TOP PREVIOUS NEXT

19.2.1 Cabinet Parts Location

19.2.2 Cabinet Parts List

TOP PREVIOUS NEXT

19.2.1 Cabinet Parts Location

19.2.2 Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	REE1019	22P P1.25 FFC	[M]
2	REE1020	11P P1.25 FFC	[M]
3	REE1025	26P FFC LONG	[M]
4	REE1078-J	50P FFC	[M]
5	REE1088	14P FFC	[M]
6	REE1089	14P FFC	[M]
7	REE1090	14P FFC	[M]
8	REE1091	15P FFC	[M]
9	REE1092	17P FFC	[M]
10	REE1093	26P FFC	[M]
11	REM0072-3	FAN	[M]
12	RAN0005EM-2	TUNER PACK	[M]
13	RGB0036-2N	BRAND BADGE	[M]
14	RGK1426-S	CD LID	[M]
15	RGK1428-Q	SENSOR PANEL	[M]
16	RGK1483B-S	PANEL ORNAMENT	[M]
17	RGL0563-Q	PANEL LIGHT (A)	[M]
18	RGL0564-Q	PANEL LIGHT (B)	[M]
19	RGP0881D-S	FRONT PANEL	[M]
20	RGQ0277-K	FAN COVER	[M]
21	RGR0304K-A	REAR PANEL	[M]EG E
21	RGR0304K-B	REAR PANEL	[M]EB
21	RGR0304K-C	REAR PANEL	[M]EE
22	RGU2022-S	POWER BUTTON	[M]
23	RGU2023-S	OPEN/CLOSE BUTTON	[M]
24	RGU2024-S	OPERATION BUTTON	[M]

25	RGW0390-S	VOLUME KNOB	[M]
26	RHD30075	SCREW	[M]
27	RHD30078	SCREW	[M]
28	RKA0079-A	FOOT	[M]
29	RKM0425-S	TOP CAB	[M]
30	RMG0402-K	RUBBER WASHER	[M]
31	RMN0203	PCB HOLDER	[M]
32	RMA1502	SUPPORT ANGLE	[M]
33	RMK0461B-1	BOTTOM CHASSIS	[M]
34	RMN0603-2	FL HOLDER	[M]
35	RMN0604	MIC JACK HOLDER	[M]
36	RMN0606	WIRE SUPPORT	[M]
37	RMN0638-1	SUB TRANS SUPPORT	[M]
38	RMN0669	SUPPORT PIECE	[M]
39	RMN0702	PCB SPACER	[M]
40	RMY0241	SUB HEAT SINK	[M]
41	RXX0225	HEATSINK UNIT	[M]
42	SHE187-6J	PCB SUPPORT	[M]
43	SNE2129-4	SCREW	[M]
44	XTB3+10J	SCREW	[M]
45	XTB3+10JFZ	SCREW	[M]
46	XTB3+20J	SCREW	[M]
47	XTB3+6J	SCREW	[M]
48	XTB3+8JFZ	SCREW	[M]
49	XTBS26+10J	SCREW	[M]
50	XTBS3+8JFZ1	SCREW	[M]
51	XTW3+10T	SCREW	[M]
52	XTW3+15T	SCREW	[M]
53	RMC0412	REGULATOR CLUMPER	[M]

TOP PREVIOUS NEXT

19.3 Component Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTEDED CIRCUIT BOARD	
	REP3382A-N	DVD MODULE (1)(SIDE A) P.C.B.	[M](RTL)
	REP3382A-N	DVD MODULE (1)(SIDE B) P.C.B.	[M](RTL)
	REP3380C	DVD MODULE (2)(SIDE A) P.C.B.	[M](RTL)
	REP3380C	DVD MODULE (2)(SIDE B) P.C.B.	[M](RTL)
	REP3375B	INPUT P.C.B.	[M](RTL)
	REP3375B	DSP P.C.B.	[M](RTL)
	REP3375B	ASP P.C.B.	[M](RTL)
	REP3375B	DVD REG P.C.B.	[M](RTL)
	REP2578A-N	CD LOADING P.C.B.	[M](RTL)
	REP2578A-N	CD DETECT P.C.B.	[M](RTL)
	REP2578A-N	SPINDLE POSITION P.C.B.	[M](RTL)
	REP3284D	PANEL P.C.B.	[M](RTL) (E/EB/EG)
	REP3284D	POWER SWITCH P.C.B.	[M](RTL) (E/EB/EG)
	REP3284D	HEADPHONE P.C.B.	[M](RTL) (E/EB/EG)
	REP3284E	PANEL P.C.B.	[M](RTL) (EE)
	REP3284E	POWER SWITCH P.C.B.	[M](RTL) (EE)
	REP3284E	HEADPHONE P.C.B.	[M](RTL) (EE)
	REP3282C	MAIN P.C.B.	[M](RTL)
	REP3282C	SUB-TRANSFORMER P.C.B.	[M](RTL)
	REP3282C	AC TRANSFORMER P.C.B.	[M](RTL)
		INTEGRATED CIRCUITS	
IC1	C0GAM0000005	IC DRIVE	[M]
IC103	M5228FPE1	IC QUAD OP AMP	[M]
IC104	KIA4558FEL	IC DUAL OP AMP	[M]
IC106	M62444FPE1	IC DPL SURROUND DECODER	[M]
IC108	C0JBAR000292	IC TRIPLE 2CH ANALOG MULTIPLEXOR	[M]
IC252	M5228FPE1	IC QUAD OP AMP	[M]

IC253	KIA4558FEL	IC DUAL OP AMP	[M]
IC401	C0AABB000085	IC DUAL OP AMP	[M]
IC402	M5228FPE1	IC QUAD OP AMP	[M]
IC451	C2BBFD000307	IC MECHA CON	[M]
IC501	RSN311W64B-P	IC HIC	[M]⚠
IC502	STK470-050A	IC HIC	[M]⚠
IC601	C2BBGF000368	IC SYSTEM CONTROL	[M]
IC603	C1BB00000527	IC RDS DEMODULATION	[M]
IC702	C0DBAJG00002	IC VOLTAGE REGULATOR	[M]⚠
IC703	LM2940T5M	IC VOLTAGE REGULATOR	[M]⚠
IC801	C2HBZC000013	IC DSP	[M]
IC802	NJU7313AMT2	IC ANALOG SW	[M]
IC803	M5228FPE1	IC QUAD OP AMP	[M]
IC805	C2BBFD000344	IC DSP MECHA CONTROL	[M]
IC2001	MN103S26EGA	IC SODC	[M]
IC2501	C0GBG0000033	IC MOTOR DRIVER	[M]
IC3001	MN677531KA	IC AV-DECODER	[M]
IC3061	C3ABPG000068	IC 6M SDRAM	[M]
IC3071	C0CBCBD00002	IC REGULATOR	[M]⚠
IC3301	C1AB00001393	IC VIDEO DRIVER	[M]
IC4211	C0FBBK000022	IC 8CH AUDIO DAC	[M]
IC5201	AN8703FH-V	IC FEP	[M]
IC5261	C0ABHB000004	IC FEP OP AMP	[M]
IC5262	C0ABBA000121	IC FEP OP AMP	[M]
IC5264	C0JBAR000155	IC 2CH MULTIPLEXOR	[M]
IC6201	MN102H60GFB	IC MICROPROCESSOR	[M]
IC6211	C0EBE0000070	IC RESET	[M]
IC6222	C0JBAA000001	IC CMOS LOGIC	[M]
IC6223	C0JBAA000001	IC CMOS LOGIC	[M]
IC6251	C0CBCBE00001	IC 3.3V REGULATOR	[M]⚠
IC6261	C0DBFFG00004	IC REGULATOR	[M]⚠
IC6301	RFKFMA502160	IC 16M FLASH ROM	[SPC]
IC6501	C1DB00000582	IC MICRO CONTROLLER	[M]
IC6521	C0JBAB000356	IC CLK	[M]
		TRANSISTORS	

Q1	B1GACFGG0004	TRANSISTOR	[M]
Q130	B1AAGC000007	TRANSISTOR	[M]
Q131	B1AAGC000007	TRANSISTOR	[M]
Q132	KRA111MTA	TRANSISTOR	[M]
Q133	B1AAGC000007	TRANSISTOR	[M]
Q135	B1AAJC000007	TRANSISTOR	[M]
Q136	B1AAJC000007	TRANSISTOR	[M]
Q137	KRA111MTA	TRANSISTOR	[M]
Q142	B1AAGC000007	TRANSISTOR	[M]
Q143	B1AAGC000007	TRANSISTOR	[M]
Q251	B1GFGCAA0001	TRANSISTOR	[M]
Q252	B1GFGCAA0001	TRANSISTOR	[M]
Q253	B1GFGCAA0001	TRANSISTOR	[M]
Q254	B1GBCFJN0004	TRANSISTOR	[M]
Q255	B1GDCFJJ0002	TRANSISTOR	[M]
Q256	B1GBCFJN0004	TRANSISTOR	[M]
Q401	B1AAGC000007	TRANSISTOR	[M]
Q402	B1AAGC000007	TRANSISTOR	[M]
Q403	B1AAGC000007	TRANSISTOR	[M]
Q404	KRA111MTA	TRANSISTOR	[M]
Q405	KRA111MTA	TRANSISTOR	[M] ⚠
Q406	KRA111MTA	TRANSISTOR	[M]
Q407	KTC3199GRTA	TRANSISTOR	[M]
Q408	B1AAGC000007	TRANSISTOR	[M]
Q409	KRA111MTA	TRANSISTOR	[M]
Q410	KTC3199GRTA	TRANSISTOR	[M] ⚠
Q451	2SB0621ARA	TRANSISTOR	[M]
Q452	B1GBCFJN0004	TRANSISTOR	[M]
Q501	KTC3199GRTA	TRANSISTOR	[M]
Q502	KTC3199GRTA	TRANSISTOR	[M]
Q503	KTC3199GRTA	TRANSISTOR	[M]
Q504	KRA102MTA	TRANSISTOR	[M]
Q505	KTC3199GRTA	TRANSISTOR	[M]
Q531	KTC3199GRTA	TRANSISTOR	[M] ⚠
Q541	2SB621ARSTA	TRANSISTOR	[M] ⚠

Q551	2SA733-T	TRANSISTOR	[M]
Q552	KRC111MTA	TRANSISTOR	[M]
Q553	KTC3199GRTA	TRANSISTOR	[M]
Q554	2SB621ARSTA	TRANSISTOR	[M]
Q555	KTC3199GRTA	TRANSISTOR	[M]
Q556	KTC3199GRTA	TRANSISTOR	[M]
Q592	2SC3940ARA	TRANSISTOR	[M]
Q594	KRC102MTA	TRANSISTOR	[M]
Q601	B1GACFLL0005	TRANSISTOR	[M]
Q605	B1GBCFJN0004	TRANSISTOR	[M]
Q606	B1GBCFJJ0002	TRANSISTOR	[M]
Q607	B1GDCFJJ0002	TRANSISTOR	[M] ⚠
Q608	B1GBCFJN0004	TRANSISTOR	[M]
Q609	B1GBCFJN0004	TRANSISTOR	[M]
Q610	B1GBCFJN0004	TRANSISTOR	[M]
Q611	B1GBCFJN0004	TRANSISTOR	[M]
Q612	B1GBCFJN0004	TRANSISTOR	[M]
Q701	B1GDCFJJ0002	TRANSISTOR	[M]
Q702	B1GBCFJN0004	TRANSISTOR	[M] ⚠
Q703	KTA1046	TRANSISTOR	[M] ⚠
Q704	B1ABCF000011	TRANSISTOR	[M] ⚠
Q705	B1ADCF000001	TRANSISTOR	[M]
Q708	KTA1046	TRANSISTOR	[M] ⚠
Q709	B1ABGC000001	TRANSISTOR	[M] ⚠
Q710	2SB621ARSTA	TRANSISTOR	[M] ⚠
Q711	B1ABCF000011	TRANSISTOR	[M] ⚠
Q712	2SB621ARSTA	TRANSISTOR	[M] ⚠
Q713	B1ABCF000011	TRANSISTOR	[M] ⚠
Q805	B1GDCFJJ0002	TRANSISTOR	[M]
Q806	2SB14170QA	TRANSISTOR	[M] ⚠
Q807	B1ABCF000011	TRANSISTOR	[M] ⚠
Q808	2SB621ARSTA	TRANSISTOR	[M] ⚠
Q809	B1ABCF000011	TRANSISTOR	[M] ⚠
Q810	B1GFGCAA0001	TRANSISTOR	[M]
Q811	KTC3199GRTA	TRANSISTOR	[M]

Q812	KRA102MTA	TRANSISTOR	[M]
Q2001	2SD1819A0L	TRANSISTOR	[M]
Q5211	B1BDBF000004	TRANSISTOR	[M]
Q5215	B1BDBF000004	TRANSISTOR	[M]
Q5261	2SC39300XL	TRANSISTOR	[M]
Q5262	2SC39300XL	TRANSISTOR	[M]
Q5263	2SA15320XL	TRANSISTOR	[M]
Q5264	2SC39300XL	TRANSISTOR	[M]
Q5271	UNR521100L	TRANSISTOR	[M]
QR3301	UNR521200L	CHIP TRANSISTOR	[M]
QR5221	UNR212100L	CHIP TRANSISTOR	[M]
QR5241	UNR511M00L	CHIP TRANSISTOR	[M]
QR6215	UNR521200L	CHIP TRANSISTOR	[M]
		DIODES	
D2	B0BA4R600003	DIODE	[M]
D102	B0BC5R000009	DIODE	[M]
D103	B0BC5R000009	DIODE	[M]
D251	1SS355TE17	DIODE	[M]
D252	1SS355TE17	DIODE	[M]
D401	B0BA5R000004	DIODE	[M]
D451	1SS355TE17	DIODE	[M]
D455	RL1N4003N02	DIODE	[M]
D456	1SS355TE17	DIODE	[M]
D500	B0AACK000004	DIODE	[M]
D501	RK306LFU1	DIODE	[M]
D502	RK306LFU1	DIODE	[M]
D503	B0AACK000004	DIODE	[M]
D504	B0AACK000004	DIODE	[M]
D506	B0AACK000004	DIODE	[M]
D507	B0AACK000004	DIODE	[M]
D521	1N5402BM21	DIODE	[M] ⚠
D522	1N5402BM21	DIODE	[M] ⚠
D523	1N5402BM21	DIODE	[M] ⚠
D524	1N5402BM21	DIODE	[M] ⚠

D525	1N5402BM21	DIODE	[M]⚠
D526	1N5402BM21	DIODE	[M]⚠
D527	B0EAKM000085	DIODE	[M]
D528	B0EAKM000085	DIODE	[M]
D531	B0EAKM000085	DIODE	[M]⚠
D532	B0EAKM000085	DIODE	[M]⚠
D533	B0EAKM000085	DIODE	[M]⚠
D534	B0EAKM000085	DIODE	[M]⚠
D535	B0EAKM000085	DIODE	[M]
D536	B0EAKM000085	DIODE	[M]
D539	B0BA8R700009	DIODE	[M]
D541	B0EAKM000085	DIODE	[M]⚠
D542	B0EAKM000085	DIODE	[M]⚠
D543	B0EAKM000085	DIODE	[M]⚠
D544	B0EAKM000085	DIODE	[M]⚠
D545	B0EAKM000085	DIODE	[M]⚠
D546	B0EAKM000085	DIODE	[M]⚠
D547	B0BA02600018	DIODE	[M]
D551	B0AACK000004	DIODE	[M]
D552	B0AACK000004	DIODE	[M]
D553	B0AACK000004	DIODE	[M]
D556	MA2C700A0F	DIODE	[M]
D557	MA2C700A0F	DIODE	[M]
D592	B0EAKM000085	DIODE	[M]
D595	B0BA6R800007	DIODE	[M]
D601	1SS355TE17	DIODE	[M]
D602	1SS380TE-17	DIODE	[M]
D603	1SS380TE-17	DIODE	[M]
D604	1SS380TE-17	DIODE	[M]
D607	MA729TX	DIODE	[M]
D608	B0BC5R600003	DIODE	[M]
D609	1SS355TE17	DIODE	[M]
D610	1SS355TE17	DIODE	[M]
D612	SELS5823C	DIODE	[M]
D613	B3AKA0000006	DIODE	[M]
D614	SLR325MCT31W	DIODE	[M]

D615	SLR325MCT31W	DIODE	[M]
D616	SLR325MCT31W	DIODE	[M]
D617	SLR325MCT31W	DIODE	[M]
D618	SLR325MCT31W	DIODE	[M]
D620	B0BC5R000009	DIODE	[M]
D664	B0ACCK000005	DIODE	[M]
D667	1SS355TE17	DIODE	[M]
D668	1SS355TE17	DIODE	[M]
D670	1SS355TE17	DIODE	[M]
D701	RL1N4003N02	DIODE	[M] ⚠
D702	RL1N4003N02	DIODE	[M] ⚠
D703	RL1N4003N02	DIODE	[M] ⚠
D704	RL1N4003N02	DIODE	[M] ⚠
D705	B0ADCC000002	DIODE	[M]
D706	B0BC5R000009	DIODE	[M]
D707	B0BC9R000008	DIODE	[M]
D708	1SS355TE17	DIODE	[M]
D709	SFPB-72V	DIODE	[M]
D710	B0BC7R500001	DIODE	[M]
D711	B0ADCC000002	DIODE	[M]
D712	B0ADCC000002	DIODE	[M]
D713	B0ADCC000002	DIODE	[M]
D714	1SS355TE17	DIODE	[M]
D715	1SS355TE17	DIODE	[M]
D716	1SS355TE17	DIODE	[M]
D801	RL1N4003N02	DIODE	[M]
D802	RL1N4003N02	DIODE	[M]
D803	B0ADCC000002	DIODE	[M]
D804	B0ADCC000002	DIODE	[M]
D805	B0BC5R000009	DIODE	[M]
D806	B0BC8R100004	DIODE	[M]
D807	B0ACCK000005	DIODE	[M]
D808	MA8130MTX	DIODE	[M]
D2001	MA2J72800L	DIODE	[M]
D3071	MA2J11100L	DIODE	[M]
D5261	MA3X71600L	DIODE	[M]

D6215	MA2J72800L	DIODE	[M]
LB3001	J0JHC0000045	CHIP CAPACITOR	[M]
LB3002	J0JHC0000045	CHIP CAPACITOR	[M]
LB3202	D0GB101JA002	CHIP RESISTOR	[M]
LB3203	D0GB101JA002	CHIP RESISTOR	[M]
LB3204	D0GB101JA002	CHIP RESISTOR	[M]
LB3303	VLP0155-T	CHIP BEAD	[M]
LB3304	VLP0155-T	CHIP BEAD	[M]
LB3305	VLP0155-T	CHIP BEAD	[M]
LB4200	J0JCC0000062	CHIP INDUCTOR	[M]
LB4201	J0JCC0000062	CHIP INDUCTOR	[M]
LB4202	J0JCC0000062	CHIP INDUCTOR	[M]
LB4203	J0JCC0000062	CHIP INDUCTOR	[M]
LB4204	J0JCC0000062	CHIP INDUCTOR	[M]
LB4205	J0JCC0000062	CHIP INDUCTOR	[M]
LB4206	J0JCC0000062	CHIP INDUCTOR	[M]
LB4207	J0JCC0000062	CHIP INDUCTOR	[M]
LB4208	J0JCC0000062	CHIP INDUCTOR	[M]
LB4209	J0JCC0000062	CHIP INDUCTOR	[M]
LB4210	J0JCC0000062	CHIP INDUCTOR	[M]
LB4211	J0JCC0000062	CHIP INDUCTOR	[M]
LB4212	J0JCC0000062	CHIP INDUCTOR	[M]
LB4213	J0JCC0000062	CHIP INDUCTOR	[M]
LB4214	J0JCC0000062	CHIP INDUCTOR	[M]
LB4215	J0JCC0000062	CHIP INDUCTOR	[M]
LB4216	J0JCC0000062	CHIP INDUCTOR	[M]
LB4217	J0JCC0000062	CHIP INDUCTOR	[M]
LB5001	J0JCC0000062	CHIP INDUCTOR	[M]
LB5002	J0JCC0000062	CHIP INDUCTOR	[M]
LB5201	J0JCC0000062	CHIP INDUCTOR	[M]
LB5202	J0JCC0000062	CHIP INDUCTOR	[M]
LB5203	J0JHC0000045	CHIP CAPACITOR	[M]
LB5204	J0JHC0000045	CHIP CAPACITOR	[M]
LB5205	J0JHC0000045	CHIP CAPACITOR	[M]
LB5206	J0JHC0000045	CHIP CAPACITOR	[M]
LB5207	J0JHC0000045	CHIP CAPACITOR	[M]

LB5208	J0JCC0000062	CHIP INDUCTOR	[M]
LB5209	J0JCC0000062	CHIP INDUCTOR	[M]
LB5210	J0JCC0000062	CHIP INDUCTOR	[M]
LB5211	VLP0155-T	CHIP BEAD	[M]
LB5212	J0JCC0000062	CHIP INDUCTOR	[M]
LB5213	J0JCC0000062	CHIP INDUCTOR	[M]
LB5214	J0JCC0000062	CHIP INDUCTOR	[M]
LB5215	J0JHC0000045	CHIP CAPACITOR	[M]
LB5216	VLP0155-T	CHIP BEAD	[M]
LB5217	VLP0155-T	CHIP BEAD	[M]
LB5218	VLP0155-T	CHIP BEAD	[M]
LB5219	VLP0155-T	CHIP BEAD	[M]
LB5220	J0JCC0000062	CHIP INDUCTOR	[M]
LB5221	J0JCC0000062	CHIP INDUCTOR	[M]
LB5222	VLP0155-T	CHIP BEAD	[M]
LB5223	VLP0155-T	CHIP BEAD	[M]
LB5224	J0JCC0000062	CHIP INDUCTOR	[M]
LB5225	J0JCC0000062	CHIP INDUCTOR	[M]
LB5226	J0JDC0000002	CHIP INDUCTOR	[M]
LB5227	J0JDC0000002	CHIP INDUCTOR	[M]
LB5228	J0JDC0000002	CHIP INDUCTOR	[M]
LB5229	J0JDC0000002	CHIP INDUCTOR	[M]
LB5230	VLP0155-T	CHIP BEAD	[M]
LB5231	VLP0155-T	CHIP BEAD	[M]
LB6201	J0JCC0000062	CHIP INDUCTOR	[M]
LB6202	VLP0155-T	CHIP BEAD	[M]
LB6221	J0JCC0000062	CHIP INDUCTOR	[M]
LB6501	J0JCC0000062	CHIP INDUCTOR	[M]
LB6502	J0JCC0000062	CHIP INDUCTOR	[M]
LB6512	VLP0155-T	CHIP BEAD	[M]
LB6513	VLP0155-T	CHIP BEAD	[M]
LB6514	VLP0155-T	CHIP BEAD	[M]
LB6515	VLP0157-T	CHIP INDUCTOR	[M]
LB6521	J0JCC0000062	CHIP INDUCTOR	[M]
LB6522	VLP0155-T	CHIP BEAD	[M]
		VARIABLE RESISTORS	

VR601	EVEKE2F3024M	VOLUME JOG	[M]
		SWITCHES	
S101	K0D122B00082	SWITCH	[M]
S621	EVQ11G05R	SW POWER	[M]
S630	EVQ11G05R	SW OPEN/CLOSE	[M]
S631	EVQ11G05R	SW STOP	[M]
S632	EVQ11G05R	SW PAUSE	[M]
S633	EVQ11G05R	SW PLAY	[M]
S634	EVQ11G05R	SW RWD	[M]
S635	EVQ11G05R	SW FWD	[M]
S636	EVQ11G05R	SW SELECTOR	[M]
S637	EVQ11G05R	SW S.WOOFER LEVEL	[M]
S638	EVQ11G05R	SW SFC	[M]
S639	EVQ11G05R	SW DISC SKIP	[M]
		SWITCHES	
SW1	RSH1A032-U	SW PUSH	[M]
SW2	RSH1A032-U	SW PUSH	[M]
SW3	RSH1A005-1U	SW	[M]
SW4	RSH1A91ZA-A	SW CD	[M]
SW5	K0L1BB000005	SW LOCK	[M]
SW2601	RSH1A048-A	SW LEAF	[M]
		CONNECTORS	
CN1	K1MN14A00049	14P FFC CONNECTOR	[M]
CN1	K1MN14B00058	14P FFC CONNECTOR	[M]
CN101	K1MN15A00049	15P P1 FFC CONNECTOR	[M]
CN102	RJS1A5212	12P CONNECTOR	[M]
CN103	RJU057G07	7P CONNECTOR	[M]
CN104	K1KB10B00041	10P P2 MQ CONNECTOR	[M]
CN105	RJU057G07	7P CONNECTOR	[M]
CN106	RJS2A7726	FFC CONNECTOR	[M]
CN501	K1KA05A00084	CONNECTOR	[M]

CN503	K1KA12A00066	CONNECTOR	[M]
CN601	RJS1A6222-1	22 FFC CONNECTOR	[M]
CN602	RJS1A6214-1	14P FFC CONNECTOR	[M]
CN603A	RJS1A6211-1	11P FFC BOTTOM INSERT	[M]
CN603B	RJS1A9411	11P FFC TOP INSERT	[M]
CN604	K1MN14A00049	14P FFC CONNECTOR	[M]
CN701	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN703	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN704	RJU057W004	4P SOCKET	[M]
CN801	K1KB10B00041	10P P2 MQ CONNECTOR	[M]
CN802	K1KB10B00041	10P P2 MQ CONNECTOR	[M]
CN804	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN805	K1MN14B00058	14P CONNECTOR	[M]
CN806	RJS2A7726	FFC CONNECTOR	[M]
CN901	K1MN22A00010	22 FFC CONNECTOR	[M]
CN902	K1MN14A00049	14P FFC CONNECTOR	[M]
CN904	RJT029W02V-1	SP CONNECTOR	[M]
CN1304	RJS2A7726	FFC CONNECTOR	[M]
CP103	RJT057G07	7P CONNECTOR	[M]
CP104	K1KA10A00257	10P P2 MQ CONNECTOR	[M]
CP105	RJT057G07	7P CONNECTOR	[M]
CP106	RJT029W02V-1	SP CONNECTOR	[M]
CP251	K1KA11A00093	11P CONNECTOR	[M]
CP701	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP703	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP704	K1KA02A00008	CONNECTOR	[M]
CP704	RJT057W004-1	4P CONNECTOR (4P)	[M]
CP705	RJT029W03VT	2.5MM CONNECTOR	[M]
CP801	K1KA10A00257	10P P2 MQ CONNECTOR	[M]
CP802	K1KA10A00257	10P P2 MQ CONNECTOR	[M]
CP804	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP6251	RJS2A7717	FFC CONNECTOR	[M]
PS6201	K1MN10A00030	CONNECTOR	[M]
		COILS & TRANSFORMERS	

L102	VLP0145-T	CHIP INDUCTOR	[M]
L103	VLP0145-T	CHIP INDUCTOR	[M]
L104	VLP0145-T	CHIP INDUCTOR	[M]
L105	VLP0145-T	CHIP INDUCTOR	[M]
L106	VLP0145-T	CHIP INDUCTOR	[M]
L451	RLQB101KT-1Y	COIL	[M]
L452	G0C100JA0030	INDUCTOR	[M]
L500	RLQZ371	LINE FILTER	[M] ⚠
L501	RLQYR73MW-B	AIR COIL	[M]
L502	RLQYR73MW-B	AIR COIL	[M]
L503	G0AR76Y00001	CHOKE COIL	[M]
L504	G0AR76Y00001	CHOKE COIL	[M]
L601	RLBN102V-Y	CHIP INDUCTOR	[M]
L602	RLBN102V-Y	CHIP INDUCTOR	[M]
L603	RLBN102V-Y	CHIP INDUCTOR	[M]
L604	RLBN102V-Y	CHIP INDUCTOR	[M]
L701	RLL500050T-Y	RF CHOKE COIL	[M]
L702	G0ZZ00001930	COIL	[M]
L703	RLL500050T-Y	RF CHOKE COIL	[M]
L704	RLL500050T-Y	RF CHOKE COIL	[M]
L705	RLL500050T-Y	RF CHOKE COIL	[M]
L801	RLBN102V-Y	CHIP INDUCTOR	[M]
L802	G0C100JA0030	INDUCTOR	[M]
L803	G0C100JA0030	INDUCTOR	[M]
L804	RLBN102V-Y	CHIP INDUCTOR	[M]
L805	RLBN102V-Y	CHIP INDUCTOR	[M]
L806	G0C100JA0030	INDUCTOR	[M]
L905	RLBV252AV-Y	LINE COIL	[M]
L906	RLBV252AV-Y	LINE COIL	[M]
L907	RLBV252AV-Y	LINE COIL	[M]
L908	RLBV252AV-Y	LINE COIL	[M]
L909	RLBV252AV-Y	LINE COIL	[M]
L910	RLBV252AV-Y	LINE COIL	[M]
L2001	G1C100KA0019	CHIP INDUCTOR	[M]
L2002	G1C100KA0019	CHIP INDUCTOR	[M]
L2021	G1C100KA0019	CHIP INDUCTOR	[M]

L2501	ERJ14Y0R00H	CHIP RESISTOR	[M]
L3071	G1C100KA0008	CHIP INDUCTOR	[M]
L3301	G1C220K00011	CHIP INDUCTOR	[M]
L4211	G1C220K00011	CHIP INDUCTOR	[M]
L5201	ELJEA100KF	CHIP INDUCTOR	[M]
L5202	ELJEA100KF	CHIP INDUCTOR	[M]
L6501	G1C220JA0010	CHIP INDUCTOR	[M]
L6502	ELJFC220KF	CHIP INDUCTOR	[M]
T501	RTP2N3B012	TRANSFORMER	[M] ⚠
T502	RTP1H3E002	BACK UP TRANSFORMER	[M] ⚠
		COMPONENT COMBINATION	
Z501	ERZV10V511CS	ZENER	[M] ⚠
Z601	RCDGP1UM272R	REMOTE SENSOR	[M]
		RELAY	
RLY501	RSY0040M-0	PRIMARY RELAY	[M] ⚠
		OSCILLATORS	
X451	RSXY8M00D01T	CERAMIC RESONATOR	[M]
X602	H2B400400013	OSCILLATOR	[M]
X603	RSXC4M33S02T	CRYSTAL OSCILLATOR	[M]
X801	RSXZ36M8M01T	CRYSTAL OSCILLATOR	[M]
X802	RSXY8M00D01T	CERAMIC RESONATOR	[M]
X6501	H0J368500003	OSCILLATOR	[M]
		DISPLAY TUBE	
FL601	A2BB00000102	FL DISPLAY	[M]
FL4201	F1J1A1050021	CHIP FILTER	[M]
FL6251	F1J1A1050021	CHIP FILTER	[M]
FL6253	F1J1A1050021	CHIP FILTER	[M]
FL6254	F1J1A1050021	CHIP FILTER	[M]

FL6255	F1J1E1040022	CHIP FILTER	[M]
		FUSES	
F1	XBA2C20TB0	FUSE 100	[M]⚠
		FUSE HOLDERS	
FC501	EYF52BC	FUSE HOLDER	[M]
FC502	EYF52BC	FUSE HOLDER	[M]
FP549	RSFMB05KT-L	FUSE PROTECTOR	[M]⚠
FP591	K5G402AA0002	FUSE PROTECTOR	[M]⚠
FP702	K5G402AA0002	FUSE PROTECTOR	[M]⚠
FP3202	K1MN17B00041	CONNECTOR	[M]
FP3203	K1MN15B00037	CONNECTOR	[M]
FP4202	K1MN26B00037	CONNECTOR	[M]
FP5001	K1MN30B00098	CONNECTOR	[M]
FP5002	K1MN50B00010	CONNECTOR	[M]
FP5003	K1MN04B00036	CONNECTOR	[M]
FP5201	K1MN50B00010	CONNECTOR	[M]
		HOLDERS	
H501	RJS1A5505	5P WIRE HOLDER	[M]
H503	RJS1A5512	12P WIRE HOLDER	[M]
H505	RMR0321	12P CABLE HOLDER	[M]
		JACKS	
JK101	K1U208B00002	JK VIDEO	[M]
JK102	K1FB121B0004	JACK	[M]
JK103	RJH2213N	JK 2P RCA PIN	[M]
JK104	RJH2603N-5	JK 6 PIN RCA	[M]
JK500	K2AA2B000004	JK AC INLET	[M]⚠
JK501	RJH5603-4	JK SPEAKER TERMINAL	[M]
JK502	RJH5603-5	JK 6P SP TERMINAL	[M]

JK603	K2HB102J0038	JK	[M]
		EARTH TERMINAL	
E501	SNE1004-2	EARTH TERMINAL	[M]
E502	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W1	REE1042	1P PRI WIRES (GRAY)	[M]
W1	REZ1023-1	4P WIRE	[M]
W2	REE1043	1P PRI WIRES (WHITE)	[M]
W2	REZ1024	3P WIRE	[M]
W106	REX1127	2P WIRE	[M]
W501	REX1037-J	5P WIRE	[M]
W503	REX1035	12P WIRE	[M]
W505	RWJ1112080RX	12P WIRE	[M]
W705	REX1036	2P WIRE	[M]
W904	REX1087	2P WIRE	[M]
W3001	ERJ3GEY0R00V	0 1/16W	[M]
		RESISTORS	
R1	ERDS2TJ102T	1K 1/4W	[M]
R3	ERJ3GEY0R00V	0 1/16W	[M]
R129	ERJ3GEYJ472V	4.7K 1/16W	[M]
R130	ERJ3GEYJ104V	100K 1/16W	[M]
R131	ERJ3GEYJ104V	100K 1/16W	[M]
R132	ERJ3GEYJ102V	1K 1/16W	[M]
R133	D0GB154JA002	150K 1/16W	[M]
R134	ERJ3GEYJ104V	100K 1/16W	[M]
R135	ERJ3GEYJ102V	1K 1/16W	[M]
R136	D0GB101JA002	100 1/16W	[M]
R137	D0GB562JA002	5.6K 1/16W	[M]
R138	D0GB273JA002	27K 1/16W	[M]
R139	D0GB562JA002	5.6K 1/16W	[M]
R140	D0GB273JA002	27K 1/16W	[M]

R141	D0GB101JA002	100 1/16W	[M]
R142	ERJ3GEYJ104V	100K 1/16W	[M]
R143	ERJ3GEYJ104V	100K 1/16W	[M]
R144	ERJ3GEYJ823V	82K 1/16W	[M]
R145	ERJ3GEYJ472V	4.7K 1/16W	[M]
R146	D0GB272JA002	2.7K 1/16W	[M]
R147	ERJ3GEYJ104V	100K 1/16W	[M]
R148	ERJ3GEYJ102V	1K 1/16W	[M]
R149	ERJ3GEYJ102V	1K 1/16W	[M]
R150	ERJ6GEYJ102V	1K 1/10W	[M]
R151	ERJ3GEYJ123V	12K 1/16W	[M]
R152	ERJ3GEYJ123V	12K 1/16W	[M]
R153	ERJ3GEYJ473V	47K 1/16W	[M]
R154	ERJ3GEYJ102V	1K 1/16W	[M]
R155	ERJ3GEYJ222V	2.2K 1/16W	[M]
R156	ERJ3GEYJ222V	2.2K 1/16W	[M]
R157	ERJ3GEYJ102V	1K 1/16W	[M]
R158	ERJ3GEYJ104V	100K 1/16W	[M]
R159	ERJ3GEYJ473V	47K 1/16W	[M]
R160	ERJ3GEYJ102V	1K 1/16W	[M]
R161	ERJ3GEYJ222V	2.2K 1/16W	[M]
R162	ERJ3GEYJ102V	1K 1/16W	[M]
R163	ERJ3GEYJ681V	680 1/16W	[M]
R164	ERJ3GEYJ103V	10K 1/16W	[M]
R165	D0GB272JA002	2.7K 1/16W	[M]
R166	D0GB183JA002	18K 1/16W	[M]
R167	ERJ3GEYJ103V	10K 1/16W	[M]
R168	ERJ3GEYJ123V	12K 1/16W	[M]
R169	D0GB392JA002	3.9K 1/16W	[M]
R170	ERJ3GEYJ104V	100K 1/16W	[M]
R171	ERJ3GEYJ104V	100K 1/16W	[M]
R172	ERJ3GEYJ104V	100K 1/16W	[M]
R173	D0GB100JA002	10 1/16W	[M]
R174	D0GB100JA002	10 1/16W	[M]
R175	D0GB100JA002	10 1/16W	[M]
R176	D0GB100JA002	10 1/16W	[M]
R181	ERJ3GEYJ473V	47K 1/16W	[M]

R182	ERJ3GEYJ473V	47K 1/16W	[M]
R183	D0GB563JA002	56K 1/16W	[M]
R184	D0GB563JA002	56K 1/16W	[M]
R185	ERJ3GEYD750V	75 1/16W	[M]
R186	D0GB332JA002	3.3K 1/16W	[M]
R187	D0GB332JA002	3.3K 1/16W	[M]
R196	ERJ3GEYJ123V	12K 1/16W	[M]
R197	D0GB392JA002	3.9K 1/16W	[M]
R198	ERJ3GEYJ123V	12K 1/16W	[M]
R199	D0GB392JA002	3.9K 1/16W	[M]
R200	ERJ3GEYJ102V	1K 1/16W	[M]
R201	D0GB392JA002	3.9K 1/16W	[M]
R203	D0GB183JA002	18K 1/16W	[M]
R204	ERJ3GEYJ102V	1K 1/16W	[M]
R205	D0GB392JA002	3.9K 1/16W	[M]
R207	D0GB183JA002	18K 1/16W	[M]
R209	D0GB1R8JA008	1 1/16W	[M]
R210	ERJ3GEYJ123V	12K 1/16W	[M]
R211	ERJ3GEYJ102V	1K 1/16W	[M]
R212	ERJ3GEYJ123V	12K 1/16W	[M]
R213	D0GB332JA002	3.3K 1/16W	[M]
R214	ERJ3GEYJ391V	390 1/16W	[M]
R215	ERJ3GEYJ222V	2.2K 1/16W	[M]
R216	ERJ3GEYJ222V	2.2K 1/16W	[M]
R217	ERJ3GEYJ472V	4.7K 1/16W	[M]
R218	ERJ3GEYJ473V	47K 1/16W	[M]
R219	ERJ3GEYJ473V	47K 1/16W	[M]
R220	ERJ3GEYJ473V	47K 1/16W	[M]
R221	ERJ3GEYJ222V	2.2K 1/16W	[M]
R229	ERJ3GEYJ123V	12K 1/16W	[M]
R230	D0GB392JA002	3.9K 1/16W	[M]
R231	ERJ3GEYJ123V	12K 1/16W	[M]
R232	D0GB392JA002	3.9K 1/16W	[M]
R233	ERJ3GEYJ123V	12K 1/16W	[M]
R234	D0GB392JA002	3.9K 1/16W	[M]
R235	D0GB122JA019	1.2K 1/16W	[M]
R236	ERJ3GEYJ104V	100K 1/16W	[M]

R237	D0GB122JA019	1.2K 1/16W	[M]
R238	ERJ3GEYJ104V	100K 1/16W	[M]
R239	D0GB101JA002	100 1/16W	[M]
R240	D0GB101JA002	100 1/16W	[M]
R241	D0GB152JA002	1.5K 1/16W	[M]
R242	ERJ3GEYJ153V	15K 1/16W	[M]
R243	D0GB152JA002	1.5K 1/16W	[M]
R244	ERJ3GEYJ102V	1K 1/16W	[M]
R245	ERJ3GEYJ102V	1K 1/16W	[M]
R246	ERJ3GEYJ102V	1K 1/16W	[M]
R247	ERJ3GEYJ223V	22K 1/16W	[M]
R251	ERJ3GEYJ104V	100K 1/16W	[M]
R252	ERJ3GEYJ471V	470 1/16W	[M]
R253	ERJ3GEYJ471V	470 1/16W	[M]
R254	ERJ3GEYJ104V	100K 1/16W	[M]
R255	ERJ3GEYJ104V	100K 1/16W	[M]
R256	ERJ3GEYJ102V	1K 1/16W	[M]
R257	ERJ3GEYJ123V	12K 1/16W	[M]
R258	ERJ3GEYJ182V	1.8K 1/16W	[M]
R259	ERJ3GEYJ682V	6.8K 1/16W	[M]
R260	D0GB332JA002	3.3K 1/16W	[M]
R261	ERJ3GEYJ682V	6.8K 1/16W	[M]
R262	D0GB332JA002	3.3K 1/16W	[M]
R263	ERJ3GEYJ822V	8.2K 1/16W	[M]
R264	D0GB272JA002	2.7K 1/16W	[M]
R265	ERJ3GEYJ103V	10K 1/16W	[M]
R266	ERJ3GEYJ103V	10K 1/16W	[M]
R267	ERJ3GEYJ104V	100K 1/16W	[M]
R268	ERJ3GEYJ104V	100K 1/16W	[M]
R269	ERJ3GEYJ223V	22K 1/16W	[M]
R270	ERJ3GEYJ223V	22K 1/16W	[M]
R271	D0GB183JA002	18K 1/16W	[M]
R272	D0GB183JA002	18K 1/16W	[M]
R273	ERJ3GEYJ102V	1K 1/16W	[M]
R274	ERJ3GEYJ102V	1K 1/16W	[M]
R275	D0GB154JA002	150K 1/16W	[M]
R276	D0GB154JA002	150K 1/16W	[M]

R277	ERJ3GEYJ103V	10K 1/16W	[M]
R278	ERJ3GEYJ103V	10K 1/16W	[M]
R279	ERJ3GEYJ104V	100K 1/16W	[M]
R280	ERJ3GEYJ104V	100K 1/16W	[M]
R281	ERJ3GEYJ223V	22K 1/16W	[M]
R282	ERJ3GEYJ223V	22K 1/16W	[M]
R283	D0GB183JA002	18K 1/16W	[M]
R284	D0GB183JA002	18K 1/16W	[M]
R285	ERJ3GEYJ102V	1K 1/16W	[M]
R286	ERJ3GEYJ102V	1K 1/16W	[M]
R287	ERJ3GEYJ103V	10K 1/16W	[M]
R288	ERJ3GEYJ103V	10K 1/16W	[M]
R289	ERJ3GEYJ104V	100K 1/16W	[M]
R290	ERJ3GEYJ104V	100K 1/16W	[M]
R291	ERJ3GEYJ223V	22K 1/16W	[M]
R292	ERJ3GEYJ223V	22K 1/16W	[M]
R293	D0GB183JA002	18K 1/16W	[M]
R294	D0GB273JA002	27K 1/16W	[M]
R295	ERJ3GEYJ102V	1K 1/16W	[M]
R296	ERJ3GEYJ102V	1K 1/16W	[M]
R297	ERJ3GEYJ102V	1K 1/16W	[M]
R298	ERJ3GEYJ102V	1K 1/16W	[M]
R299	ERJ3GEYJ102V	1K 1/16W	[M]
R300	ERJ3GEYJ102V	1K 1/16W	[M]
R301	ERJ3GEYJ102V	1K 1/16W	[M]
R302	ERJ3GEYJ102V	1K 1/16W	[M]
R303	ERJ3GEYJ473V	47K 1/16W	[M]
R304	ERJ3GEYJ473V	47K 1/16W	[M]
R305	ERJ3GEYJ473V	47K 1/16W	[M]
R306	ERJ3GEYJ473V	47K 1/16W	[M]
R307	ERJ3GEYJ473V	47K 1/16W	[M]
R308	ERJ3GEYJ473V	47K 1/16W	[M]
R319	ERJ3GEYJ102V	1K 1/16W	[M]
R321	ERJ3GEYJ223V	22K 1/16W	[M]
R401	ERDS2TJ222T	2.2K 1/4W	[M]
R402	ERDS2TJ823T	82K 1/4W	[M]
R403	ERDS2TJ102T	1K 1/4W	[M]

R404	ERDS2TJ103T	10K 1/4W	[M]
R405	ERDS2TJ104T	100K 1/4W	[M]
R406	ERDS2TJ104T	100K 1/4W	[M]
R407	ERDS2TJ102T	1K 1/4W	[M]
R408	ERDS2TJ102T	1K 1/4W	[M]
R409	ERDS2TJ153T	15K 1/4W	[M]
R410	ERDS2TJ153T	15K 1/4W	[M]
R411	ERDS2TJ332T	3.3K 1/4W	[M]
R412	ERDS2TJ332T	3.3K 1/4W	[M]
R413	ERDS2TJ683T	68K 1/4W	[M]
R414	ERDS2TJ683T	68K 1/4W	[M]
R415	ERDS2TJ390T	39 1/4W	[M]
R416	ERDS2TJ390T	39 1/4W	[M]
R417	ERDS2TJ390T	39 1/4W	[M]
R418	ERDS2TJ390T	39 1/4W	[M]
R419	ERDS2TJ154T	150K 1/4W	[M]
R420	ERDS2TJ101T	100 1/4W	[M]
R421	ERDS2TJ101T	100 1/4W	[M]
R423	ERDS2TJ124T	120K 1/4W	[M]
R424	ERDS2TJ102T	1K 1/4W	[M]
R425	ERDS2TJ272T	2.7K 1/4W	[M]
R426	ERDS2TJ102T	1K 1/4W	[M]
R427	ERDS2TJ123T	12K 1/4W	[M]
R428	ERDS2TJ332T	3.3K 1/4W	[M]
R429	ERDS2TJ102T	1K 1/4W	[M]
R430	ERDS2TJ333T	33K 1/4W	[M]
R431	ERDS2TJ183T	18K 1/4W	[M]
R432	ERDS2TJ683T	68K 1/4W	[M]
R433	ERDS2TJ683T	68K 1/4W	[M]
R434	ERDS2TJ153T	15K 1/4W	[M]
R435	ERDS2TJ274T	270K 1/4W	[M]
R436	ERDS2TJ823T	82K 1/4W	[M]
R437	ERDS2TJ823T	82K 1/4W	[M]
R438	ERDS2TJ822T	8.2K 1/4W	[M]
R439	ERDS2TJ153T	15K 1/4W	[M]
R440	ERDS2TJ153T	15K 1/4W	[M]
R441	ERDS2TJ393T	39K 1/4W	[M]

R442	ERDS2TJ393T	39K 1/4W	[M]
R443	ERDS2TJ102T	1K 1/4W	[M]
R444	ERDS2TJ103T	10K 1/4W	[M]
R445	ERDS2TJ472T	4.7K 1/4W	[M]
R446	ERDS2TJ102T	1K 1/4W	[M]
R447	ERDS2TJ104T	100K 1/4W	[M]
R448	ERDS2TJ154T	150K 1/4W	[M]
R449	ERDS2TJ100T	10 1/4W	[M]
R450	ERDS2TJ100T	10 1/4W	[M]
R452	ERJ3GEYJ103V	10K 1/16W	[M]
R453	D0GB821JA002	820 1/16W	[M]
R454	ERJ3GEYJ103V	10K 1/16W	[M]
R455	ERJ3GEYJ221V	220 1/16W	[M]
R456	ERJ3GEYJ221V	220 1/16W	[M]
R457	ERJ3GEYJ221V	220 1/16W	[M]
R458	ERJ3GEYJ221V	220 1/16W	[M]
R459	ERJ3GEYJ221V	220 1/16W	[M]
R460	ERJ3GEYJ681V	680 1/16W	[M]
R461	ERJ3GEYJ102V	1K 1/16W	[M]
R462	ERJ3GEYJ221V	220 1/16W	[M]
R463	ERJ3GEYJ103V	10K 1/16W	[M]
R464	ERJ3GEYJ104V	100K 1/16W	[M]
R465	ERJ3GEYJ472V	4.7K 1/16W	[M]
R466	ERJ3GEYJ473V	47K 1/16W	[M]
R467	ERJ3GEYJ472V	4.7K 1/16W	[M]
R468	ERJ3GEYJ472V	4.7K 1/16W	[M]
R469	ERJ3GEYJ472V	4.7K 1/16W	[M]
R470	ERJ3GEYJ472V	4.7K 1/16W	[M]
R471	ERJ3GEYJ221V	220 1/16W	[M]
R472	ERJ3GEYJ221V	220 1/16W	[M]
R473	ERJ3GEYJ221V	220 1/16W	[M]
R474	ERJ3GEYJ221V	220 1/16W	[M]
R475	ERJ3GEYJ103V	10K 1/16W	[M]
R476	ERJ3GEYJ221V	220 1/16W	[M]
R478	ERJ3GEYJ472V	4.7K 1/16W	[M]
R479	ERJ3GEYJ104V	100K 1/16W	[M]
R480	ERJ3GEYJ103V	10K 1/16W	[M]

R481	ERJ3GEYJ103V	10K 1/16W	[M]
R482	ERJ3GEYJ103V	10K 1/16W	[M]
R483	ERJ3GEYJ103V	10K 1/16W	[M]
R484	ERJ3GEYJ102V	1K 1/16W	[M]
R485	ERJ3GEYJ472V	4.7K 1/16W	[M]
R486	ERJ3GEYJ472V	4.7K 1/16W	[M]
R491	ERJ3GEYJ221V	220 1/16W	[M]
R492	ERJ3GEYJ221V	220 1/16W	[M]
R501	ERDS2TJ682T	6.8K 1/4W	[M]
R502	ERDS2TJ682T	6.8K 1/4W	[M]
R503	ERDS2TJ153T	15K 1/4W	[M]
R504	ERDS2TJ153T	15K 1/4W	[M]
R505	ERDS2TJ153T	15K 1/4W	[M]
R506	ERDS2TJ153T	15K 1/4W	[M]
R507	ERDS2TJ682T	6.8K 1/4W	[M]
R508	ERDS2TJ682T	6.8K 1/4W	[M]
R509	ERDS2TJ392T	3.9K 1/4W	[M]
R510	ERDS2TJ472T	4.7K 1/4W	[M]
R511	ERDS2TJ153T	15K 1/4W	[M]
R512	ERDS2TJ153T	15K 1/4W	[M]
R513	ERDS2TJ563T	56K 1/4W	[M]
R514	ERDS2TJ563T	56K 1/4W	[M]
R515	ERDS2TJ563T	56K 1/4W	[M]
R516	ERDS2TJ563T	56K 1/4W	[M]
R517	ERDS2TJ563T	56K 1/4W	[M]
R518	ERDS2TJ563T	56K 1/4W	[M]
R519	ERDS2TJ474T	470K 1/4W	[M]
R520	ERDS2TJ223T	22K 1/4W	[M]
R521	ERDS2TJ223T	22K 1/4W	[M]
R522	ERDS2TJ103T	10K 1/4W	[M]
R523	ERDS2TJ124T	120K 1/4W	[M]
R524	ERDS2TJ104T	100K 1/4W	[M]
R525	ERDS2TJ563T	56K 1/4W	[M]
R526	ERDS2TJ473T	47K 1/4W	[M]
R527	ERDS2TJ184T	180K 1/4W	[M]
R528	ERDS2TJ154T	150K 1/4W	[M]
R529	ERDS2TJ223T	22K 1/4W	[M]

R530	ERDS1FVJ100T	10 1/2W	[M]
R531	ERDS1FVJ100T	10 1/2W	[M]
R532	ERDS2TJ183T	18K 1/4W	[M]
R533	ERDS2TJ153T	15K 1/4W	[M]
R534	ERDS2TJ100T	10 1/4W	[M]
R535	ERDS2TJ100T	10 1/4W	[M]
R538	ERDS2TJ223T	22K 1/4W	[M]
R539	ERDS1FVJ100T	10 1/2W	[M]
R540	ERDS1FVJ100T	10 1/2W	[M]
R541	ERDS1FVJ100T	10 1/2W	[M]
R542	ERDS1FVJ100T	10 1/2W	[M]
R543	ERDS2TJ2R2T	2.2 1/4W	[M]
R544	ERDS2TJ2R2T	2.2 1/4W	[M]
R545	ERDS2TJ184T	180K 1/4W	[M]
R546	ERDS2TJ224T	220K 1/4W	[M]
R547	ERDS2TJ222T	2.2K 1/4W	[M]
R548	ERDS2TJ104T	100K 1/4W	[M]
R550	ERDS1FVJ2R2T	2.2 1/2W	[M]
R554	ERDS2TJ153T	15K 1/4W	[M]
R555	ERDS2TJ392T	3.9K 1/4W	[M]
R556	ERDS2TJ152T	1.5K 1/4W	[M]
R557	ERDS2TJ332T	3.3K 1/4W	[M]
R558	ERDS2TJ152T	1.5K 1/4W	[M]
R559	ERDS1FVJ2R2T	2.2 1/2W	[M]
R560	ERDS2TJ472T	4.7K 1/4W	[M]
R561	ERDS2TJ151T	150 1/4W	[M]
R562	ERDS2TJ220T	22 1/4W	[M]
R563	ERDS2TJ220T	22 1/4W	[M]
R564	ERDS2TJ332T	3.3K 1/4W	[M]
R565	ERDS2TJ472T	4.7K 1/4W	[M]
R567	ERDS2TJ683T	68K 1/4W	[M]
R568	ERDS2TJ224T	220K 1/4W	[M]
R569	ERDS2TJ472T	4.7K 1/4W	[M]
R570	ERDS2TJ103T	10K 1/4W	[M]
R571	ERDS2TJ393T	39K 1/4W	[M]
R572	ERDS2TJ223T	22K 1/4W	[M]
R575	ERDS2TJ563T	56K 1/4W	[M]

R576	ERDS2TJ824T	820K 1/4W	[M]
R577	ERDS2TJ103T	10K 1/4W	[M]
R578	ERDS2TJ824T	820K 1/4W	[M]
R579	ERDS2TJ562T	5.6K 1/4W	[M]
R580	ERDS2TJ472T	4.7K 1/4W	[M]
R581	ERDS2TJ103T	10K 1/4W	[M]
R582	ERDS1FVJ180T	18 1/2W	[M]
R583	ERDS2TJ224T	220K 1/4W	[M]
R584	ERDS2TJ101T	100 1/4W	[M]
R585	ERDS2TJ563T	56K 1/4W	[M]
R586	ERDS2TJ103T	10K 1/4W	[M]
R589	ERDS2TJ103T	10K 1/4W	[M]
R590	ERDS2TJ223T	22K 1/4W	[M]
R591	ERDS2TJ100T	10 1/4W	[M]
R592	ERDS2TJ100T	10 1/4W	[M]
R593	ERDS2TJ103T	10K 1/4W	[M]
R594	ERDS2TJ103T	10K 1/4W	[M]
R596	ERDS2TJ151T	150 1/4W	[M]
R597	ERDS2TJ102T	1K 1/4W	[M]
R599	ERDS2TJ103T	10K 1/4W	[M]
R601	ERJ3GEYJ104V	100K 1/16W	[M]
R602	D0GB101JA002	100 1/16W	[M]
R603	D0GB101JA002	100 1/16W	[M]
R604	ERJ3GEYJ104V	100K 1/16W	[M]
R605	ERJ3GEYJ103V	10K 1/16W	[M]
R606	ERJ3GEYJ103V	10K 1/16W	[M]
R607	ERJ3GEYJ224V	220K 1/16W	[M]
R608	ERJ3GEYJ102V	1K 1/16W	[M]
R609	D0GB101JA002	100 1/16W	[M]
R610	D0GB101JA002	100 1/16W	[M]
R611	D0GB101JA002	100 1/16W	[M]
R612	D0GB101JA002	100 1/16W	[M]
R613	D0GB101JA002	100 1/16W	[M]
R614	D0GB101JA002	100 1/16W	[M]
R615	D0GB101JA002	100 1/16W	[M]
R616	D0GB101JA002	100 1/16W	[M]
R617	D0GB101JA002	100 1/16W	[M]

R618	D0GB101JA002	100 1/16W	[M]
R619	ERJ3GEYJ103V	10K 1/16W	[M]
R620	ERJ3GEYJ103V	10K 1/16W	[M]
R621	ERJ3GEYJ153V	15K 1/16W	[M]EE
R621	ERJ3GEYJ182V	1.8K 1/16W	[M]EB EG E
R622	D0GB101JA002	100 1/16W	[M]
R623	ERJ3GEYJ222V	2.2K 1/16W	[M]
R624	ERJ3GEYJ223V	22K 1/16W	[M]
R625	ERJ3GEYJ223V	22K 1/16W	[M]
R627	ERJ3GEYJ104V	100K 1/16W	[M]
R628	ERJ3GEYJ472V	4.7K 1/16W	[M]
R629	ERJ3GEYJ221V	220 1/16W	[M]
R630	D0GB101JA002	100 1/16W	[M]
R631	D0GB101JA002	100 1/16W	[M]
R632	ERJ3GEYJ223V	22K 1/16W	[M]
R633	ERJ3GEYJ102V	1K 1/16W	[M]
R636	ERJ3GEYJ331V	330 1/16W	[M]
R637	ERJ3GEYJ473V	47K 1/16W	[M]
R638	ERJ3GEYJ223V	22K 1/16W	[M]
R639	ERJ3GEYJ473V	47K 1/16W	[M]
R640	D0GB101JA002	100 1/16W	[M]
R641	D0GB101JA002	100 1/16W	[M]
R642	D0GB101JA002	100 1/16W	[M]
R643	D0GB101JA002	100 1/16W	[M]
R644	D0GB101JA002	100 1/16W	[M]
R645	D0GB101JA002	100 1/16W	[M]
R646	D0GB101JA002	100 1/16W	[M]
R647	D0GB101JA002	100 1/16W	[M]
R649	ERJ3GEYJ102V	1K 1/16W	[M]
R650	ERJ3GEYJ223V	22K 1/16W	[M]
R651	ERJ3GEYJ681V	680 1/16W	[M]
R652	ERJ3GEYJ473V	47K 1/16W	[M]
R653	ERJ3GEYJ473V	47K 1/16W	[M]
R654	ERJ3GEYJ104V	100K 1/16W	[M]
R657	D0GB680JA019	68 1/16W	[M]
R658	D0GB680JA019	68 1/16W	[M]
R661	D0GB101JA002	100 1/16W	[M]

R663	D0GB821JA002	820 1/16W	[M]
R664	D0GB821JA002	820 1/16W	[M]
R665	ERJ3GEYJ681V	680 1/16W	[M]
R666	ERJ3GEYJ681V	680 1/16W	[M]
R667	ERJ3GEYJ681V	680 1/16W	[M]
R668	ERJ3GEYJ681V	680 1/16W	[M]
R669	ERJ3GEYJ681V	680 1/16W	[M]
R671	ERJ3GEYJ104V	100K 1/16W	[M]
R672	ERJ3GEYJ104V	100K 1/16W	[M]
R673	ERJ3GEYJ104V	100K 1/16W	[M]
R674	ERJ3GEYJ104V	100K 1/16W	[M]
R675	ERJ3GEYJ104V	100K 1/16W	[M]
R676	ERJ3GEYJ104V	100K 1/16W	[M]
R677	ERJ3GEYJ104V	100K 1/16W	[M]
R678	ERJ3GEYJ104V	100K 1/16W	[M]
R682	D0GB121JA002	120 1/16W	[M]
R683	ERJ3GEYJ102V	1K 1/16W	[M]
R684	ERJ3GEYJ102V	1K 1/16W	[M]
R685	ERJ3GEYJ102V	1K 1/16W	[M]
R686	D0GB122JA019	1.2K 1/16W	[M]
R687	ERJ3GEYJ182V	1.8K 1/16W	[M]
R688	ERJ3GEYJ222V	2.2K 1/16W	[M]
R689	D0GB272JA002	2.7K 1/16W	[M]
R690	ERJ3GEYJ472V	4.7K 1/16W	[M]
R691	ERJ3GEYJ682V	6.8K 1/16W	[M]
R692	ERJ3GEYJ103V	10K 1/16W	[M]
R693	ERJ3GEYJ102V	1K 1/16W	[M]
R694	ERJ3GEYJ104V	100K 1/16W	[M]
R695	ERJ3GEYJ102V	1K 1/16W	[M]
R696	ERJ3GEYJ104V	100K 1/16W	[M]
R697	ERJ3GEYJ102V	1K 1/16W	[M]
R703	ERJ3GEYJ472V	4.7K 1/16W	[M]
R704	ERJ3GEYJ331V	330 1/16W	[M]
R705	ERJ3GEYJ104V	100K 1/16W	[M]
R707	D0GB821JA002	820 1/16W	[M]
R708	ERJ3GEYJ223V	22K 1/16W	[M]
R709	ERJ3GEYJ561V	560 1/16W	[M]

R710	ERJ3GEYJ561V	560 1/16W	[M]
R711	D0GB1R0JA002	1 1/16W	[M]
R712	D0GB1R0JA002	1 1/16W	[M]
R713	D0GB1R0JA002	1 1/16W	[M]
R714	D0GB1R0JA002	1 1/16W	[M]
R715	D0GB1R0JA002	1 1/16W	[M]
R716	D0GB1R0JA002	1 1/16W	[M]
R717	ERJ3GEYJ223V	22K 1/16W	[M]
R718	ERJ3GEYJ102V	1K 1/16W	[M]
R719	ERJ3GEYJ822V	8.2K 1/16W	[M]
R720	ERJ3GEYJ222V	2.2K 1/16W	[M]
R722	ERJ3GEYJ561V	560 1/16W	[M]
R723	ERJ3GEYJ182V	1.8K 1/16W	[M]
R724	D0GB183JA002	18K 1/16W	[M]
R725	ERJ3GEYJ222V	2.2K 1/16W	[M]
R726	D0GB101JA002	100 1/16W	[M]
R727	D0GB334JA002	330K 1/16W	[M]
R728	ERJ3GEYJ472V	4.7K 1/16W	[M]
R729	ERJ3GEYJ681V	680 1/16W	[M]
R730	D0GB154JA002	150K 1/16W	[M]
R731	ERJ3GEYJ472V	4.7K 1/16W	[M]
R732	ERJ3GEYJ681V	680 1/16W	[M]
R835	D0GB183JA002	18K 1/16W	[M]
R838	ERJ3GEYJ103V	10K 1/16W	[M]
R839	ERJ3GEYJ103V	10K 1/16W	[M]
R840	ERJ3GEYJ102V	1K 1/16W	[M]
R841	ERJ3GEYJ104V	100K 1/16W	[M]
R843	ERJ3GEYJ223V	22K 1/16W	[M]
R844	ERJ3GEYJ104V	100K 1/16W	[M]
R847	ERJ3GEYJ472V	4.7K 1/16W	[M]
R848	ERJ3GEYJ221V	220 1/16W	[M]
R849	D0GB105JA002	1M 1/16W	[M]
R850	D0GB271JA002	270 1/16W	[M]
R851	D0GB271JA002	270 1/16W	[M]
R852	ERJ3GEYJ561V	560 1/16W	[M]
R853	ERJ3GEYJ561V	560 1/16W	[M]
R856	D0GB333JA002	33K 1/16W	[M]

R857	ERJ3GEYJ223V	22K 1/16W	[M]
R858	D0GB333JA002	33K 1/16W	[M]
R859	ERJ3GEYJ102V	1K 1/16W	[M]
R860	D0GB183JA002	18K 1/16W	[M]
R861	ERJ3GEYJ222V	2.2K 1/16W	[M]
R862	ERJ3GEYJ222V	2.2K 1/16W	[M]
R863	ERJ3GEYJ472V	4.7K 1/16W	[M]
R864	D0GB563JA002	56K 1/16W	[M]
R865	ERJ3GEYJ103V	10K 1/16W	[M]
R866	ERJ3GEYJ221V	220 1/16W	[M]
R867	ERJ3GEYJ221V	220 1/16W	[M]
R868	ERJ3GEYJ103V	10K 1/16W	[M]
R869	ERJ3GEYJ221V	220 1/16W	[M]
R870	ERJ3GEYJ681V	680 1/16W	[M]
R871	ERJ3GEYJ331V	330 1/16W	[M]
R872	ERJ3GEYJ104V	100K 1/16W	[M]
R873	ERJ3GEYJ472V	4.7K 1/16W	[M]
R874	ERJ3GEYJ472V	4.7K 1/16W	[M]
R875	ERJ3GEYJ104V	100K 1/16W	[M]
R876	ERJ3GEYJ102V	1K 1/16W	[M]
R877	ERJ3GEYJ102V	1K 1/16W	[M]
R878	ERJ3GEYJ102V	1K 1/16W	[M]
R879	ERJ3GEYJ102V	1K 1/16W	[M]
R880	ERJ3GEYJ102V	1K 1/16W	[M]
R881	ERJ3GEYJ102V	1K 1/16W	[M]
R882	ERJ3GEYJ102V	1K 1/16W	[M]
R883	ERJ3GEYJ470V	47 1/16W	[M]
R885	ERJ3GEYJ472V	4.7K 1/16W	[M]
R887	ERJ3GEYJ331V	330 1/16W	[M]
R888	D0GB1R0JA002	1 1/16W	[M]
R889	D0GB1R0JA002	1 1/16W	[M]
R890	ERJ3GEYJ472V	4.7K 1/16W	[M]
R891	D0GB124JA002	120K 1/16W	[M]
R892	D0GB122JA019	1.2K 1/16W	[M]
R893	ERJ3GEYJ472V	4.7K 1/16W	[M]
R894	ERJ3GEYJ472V	4.7K 1/16W	[M]
R895	ERJ3GEYJ823V	82K 1/16W	[M]

R896	D0GB122JA019	1.2K 1/16W	[M]
R897	ERJ3GEYJ331V	330 1/16W	[M]
R898	ERJ3GEYJ102V	1K 1/16W	[M]
R899	ERJ3GEYJ102V	1K 1/16W	[M]
R900	ERJ3GEYJ102V	1K 1/16W	[M]
R901	ERJ3GEYJ102V	1K 1/16W	[M]
R902	ERJ3GEYJ104V	100K 1/16W	[M]
R903	ERJ3GEYJ472V	4.7K 1/16W	[M]
R904	ERJ3GEYJ331V	330 1/16W	[M]
R905	ERJ3GEYJ331V	330 1/16W	[M]
R906	ERJ3GEYJ331V	330 1/16W	[M]
R907	D0GB563JA002	56K 1/16W	[M]
R908	ERJ3GEYJ822V	8.2K 1/16W	[M]
R909	ERJ3GEYJ822V	8.2K 1/16W	[M]
R910	ERJ3GEYJ822V	8.2K 1/16W	[M]
R911	ERJ3GEYJ822V	8.2K 1/16W	[M]
R912	ERJ3GEYJ102V	1K 1/16W	[M]
R913	ERJ3GEYJ102V	1K 1/16W	[M]
R914	ERJ3GEYJ473V	47K 1/16W	[M]
R915	ERJ3GEYJ473V	47K 1/16W	[M]
R916	ERJ3GEYJ104V	100K 1/16W	[M]
R917	ERJ3GEYJ104V	100K 1/16W	[M]
R918	ERJ3GEYJ331V	330 1/16W	[M]
R919	ERJ3GEYJ331V	330 1/16W	[M]
R920	ERJ3GEYJ472V	4.7K 1/16W	[M]
R921	ERJ3GEYJ472V	4.7K 1/16W	[M]
R922	ERJ3GEYJ102V	1K 1/16W	[M]
R923	D0GB122JA019	1.2K 1/16W	[M]
R924	D0GB122JA019	1.2K 1/16W	[M]
R925	ERJ3GEYJ123V	12K 1/16W	[M]
R926	ERJ3GEYJ123V	12K 1/16W	[M]
R927	ERJ3GEYJ123V	12K 1/16W	[M]
R928	D0GB392JA002	3.9K 1/16W	[M]
R929	ERJ3GEYJ682V	6.8K 1/16W	[M]
R930	ERJ3GEYJ682V	6.8K 1/16W	[M]
R931	ERJ3GEYJ123V	12K 1/16W	[M]
R932	D0GB392JA002	3.9K 1/16W	[M]

R933	ERJ3GEYJ682V	6.8K 1/16W	[M]
R934	ERJ3GEYJ682V	6.8K 1/16W	[M]
R936	ERJ3GEYJ103V	10K 1/16W	[M]
R937	ERJ3GEYJ102V	1K 1/16W	[M]
R938	ERJ3GEYJ102V	1K 1/16W	[M]
R939	ERJ3GEYJ473V	47K 1/16W	[M]
R940	ERJ3GEYJ473V	47K 1/16W	[M]
R941	ERJ3GEYJ102V	1K 1/16W	[M]
R942	ERJ3GEYJ102V	1K 1/16W	[M]
R943	ERJ3GEYJ681V	680 1/16W	[M]
R944	ERJ3GEYJ223V	22K 1/16W	[M]
R945	ERJ3GEYJ223V	22K 1/16W	[M]
R946	ERJ3GEYJ103V	10K 1/16W	[M]
R947	ERJ3GEYJ681V	680 1/16W	[M]
R955	ERJ3GEYJ223V	22K 1/16W	[M]
R956	ERJ3GEYJ223V	22K 1/16W	[M]
R2020	D0GB183JA002	18K 1/16W	[M]
R2021	ERJ3GEYJ473V	47K 1/16W	[M]
R2022	D0GB752JA008	7.5K 1/16W	[M]
R2023	D0GB752JA008	7.5K 1/16W	[M]
R2025	ERJ3GEYJ223V	22K 1/16W	[M]
R2026	ERJ3GEYJ223V	22K 1/16W	[M]
R2027	D0GB563JA002	56K 1/16W	[M]
R2028	D0GB563JA002	56K 1/16W	[M]
R2029	ERJ3GEYJ102V	1K 1/16W	[M]
R2030	ERJ3GEYJ102V	1K 1/16W	[M]
R2031	ERJ3GEYJ561V	560 1/16W	[M]
R2032	ERJ3GEYJ103V	10K 1/16W	[M]
R2033	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2034	ERJ3GEYJ473V	47K 1/16W	[M]
R2035	D0GB272JA002	2.7K 1/16W	[M]
R2036	ERJ3GEY0R00V	0 1/16W	[M]
R2037	D0GB683JA002	68K 1/16W	[M]
R2038	ERJ3GEYJ153V	15K 1/16W	[M]
R2039	D0GB105JA002	1M 1/16W	[M]
R2040	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2041	ERJ3GEYJ822V	8.2K 1/16W	[M]

R2042	ERJ3GEYJ153V	15K 1/16W	[M]
R2043	ERJ3GEYJ153V	15K 1/16W	[M]
R2044	ERJ3GEYJ153V	15K 1/16W	[M]
R2045	ERJ3GEYJ153V	15K 1/16W	[M]
R2046	ERJ3GEYJ153V	15K 1/16W	[M]
R2047	ERJ3GEYJ153V	15K 1/16W	[M]
R2048	D0GB475JA008	4.7M 1/16W	[M]
R2049	ERJ3GEYJ102V	1K 1/16W	[M]
R2053	ERJ3GEYJ473V	47K 1/16W	[M]
R2054	ERJ3GEYJ473V	47K 1/16W	[M]
R2504	D0GB101JA002	100 1/16W	[M]
R2505	D0GB101JA002	100 1/16W	[M]
R3001	D0GB220JA002	22 1/16W	[M]
R3002	ERJ3GEYJ473V	47K 1/16W	[M]
R3006	ERJ3GEY0R00V	0 1/16W	[M]
R3007	ERJ3GEY0R00V	0 1/16W	[M]
R3031	D0GB101JA002	100 1/16W	[M]
R3061	D0GB101JA002	100 1/16W	[M]
R3080	ERJ3RBD752V	7.5K 3W	[M]
R3082	ERJ3RBD202V	2K 3W	[M]
R3083	ERJ3RBD132V	1.3K 3W	[M]
R3084	ERJ3RBD752V	7.5K 3W	[M]
R3085	ERJ3RBD183V	18K 3W	[M]
R3086	ERJ3RBD432V	4.3K 3W	[M]
R3087	ERJ3RBD752V	7.5K 3W	[M]
R3088	ERJ3RBD752V	7.5K 3W	[M]
R3089	ERJ3RBD332V	3.3K 3W	[M]
R3090	ERJ3RBD222V	2.2K 3W	[M]
R3101	ERJ3RED750V	75 3W	[M]
R3106	ERJ3RED750V	75 3W	[M]
R3111	ERJ3RED750V	75 3W	[M]
R3116	ERJ3RED750V	75 3W	[M]
R3301	ERJ3GEYJ682V	6.8K 1/16W	[M]
R3302	D0GB332JA002	3.3K 1/16W	[M]
R3304	D0HB750ZA003	75 3W	[M]
R3305	D0HB750ZA003	75 3W	[M]
R3306	D0HB750ZA003	75 3W	[M]

R3307	D0GB562JA002	5.6K 3W	[M]
R4201	ERJ3GEY0R00V	0 1/16W	[M]
R4204	ERJ3GEYJ102V	1K 1/16W	[M]
R4211	D0GB101JA002	100 1/16W	[M]
R5001	D0GB560JA002	56 1/16W	[M]
R5002	D0GB560JA002	56 1/16W	[M]
R5211	ERJ3GEYJ2R2V	2.2 1/16W	[M]
R5212	ERJ12YJ270H	27 1/2W	[M]
R5213	ERJ3GEYJ473V	47K 1/16W	[M]
R5214	ERJ3GEYJ223V	22K 1/16W	[M]
R5215	ERJ3GEYJ2R2V	2.2 1/16W	[M]
R5216	ERJ12YJ270H	27 1/2W	[M]
R5217	ERJ3GEYJ473V	47K 1/16W	[M]
R5221	ERJ3GEY0R00V	0 1/16W	[M]
R5222	ERJ3GEYJ472V	4.7K 1/16W	[M]
R5231	ERJ3GEYJ822V	8.2K 1/16W	[M]
R5232	ERJ3GEYJ822V	8.2K 1/16W	[M]
R5233	ERJ3GEYJ102V	1K 1/16W	[M]
R5241	ERJ3GEYJ221V	220 1/16W	[M]
R5242	ERJ3GEYJ823V	82K 1/16W	[M]
R5256	ERJ3GEYF223V	22K 1/16W	[M]
R5257	ERJ3GEYJ182V	1.8K 1/16W	[M]
R5258	ERJ3GEYJ222V	2.2K 1/16W	[M]
R5261	ERJ3GEYJ561V	560 1/16W	[M]
R5262	ERJ3GEYJ561V	560 1/16W	[M]
R5263	ERJ3GEYJ473V	47K 1/16W	[M]
R5264	ERJ3GEYJ103V	10K 1/16W	[M]
R5265	ERJ3GEYJ104V	100K 1/16W	[M]
R5266	D0GB563JA002	56K 1/16W	[M]
R5267	D0GB334JA002	330K 1/16W	[M]
R5268	ERJ3GEYJ102V	1K 1/16W	[M]
R5269	ERJ3GEYJ104V	100K 1/16W	[M]
R5270	D0GB273JA002	27K 1/16W	[M]
R5271	ERJ3GEY0R00V	0 1/16W	[M]
R5272	ERJ3GEY0R00V	0 1/16W	[M]
R5281	D0GB105JA002	1M 1/16W	[M]
R5282	D0GB105JA002	1M 1/16W	[M]

R5286	D0GB680JA019	68 1/16W	[M]
R5287	D0GB680JA019	68 1/16W	[M]
R5288	D0GB562JA002	5.6K 1/16W	[M]
R5289	ERJ3GEYJ472V	4.7K 1/16W	[M]
R5290	D0GB562JA002	5.6K 1/16W	[M]
R5291	ERJ3GEYJ472V	4.7K 1/16W	[M]
R5292	D0GB562JA002	5.6K 1/16W	[M]
R5293	ERJ3GEYJ472V	4.7K 1/16W	[M]
R5294	D0GB562JA002	5.6K 1/16W	[M]
R5295	ERJ3GEYJ472V	4.7K 1/16W	[M]
R5297	D0GB101JA002	100 1/16W	[M]
R5304	ERJ3GEY0R00V	0 1/16W	[M]
R5305	ERJ3GEY0R00V	0 1/16W	[M]
R6201	ERJ3GEYJ473V	47K 1/16W	[M]
R6202	ERJ3GEYJ103V	10K 1/16W	[M]
R6203	ERJ3GEYJ103V	10K 1/16W	[M]
R6204	ERJ3GEYJ103V	10K 1/16W	[M]
R6205	ERJ3GEYJ103V	10K 1/16W	[M]
R6206	ERJ3GEYJ102V	1K 1/16W	[M]
R6207	ERJ3GEYJ473V	47K 1/16W	[M]
R6211	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6215	ERJ3GEYJ103V	10K 1/16W	[M]
R6216	ERJ3GEYJ102V	1K 1/16W	[M]
R6512	ERJ3RBD331V	330 3W	[M]
R6513	ERJ3GEYJ103V	10K 1/16W	[M]
R6514	ERJ3GEYJ470V	47 1/16W	[M]
R6515	D0GB100JA002	10 1/16W	[M]
K3002	ERJ3GEY0R00V	0 1/16W	[M]
K3003	ERJ3GEY0R00V	0 1/16W	[M]
K3101	ERJ3GEY0R00V	0 1/16W	[M]
K3106	ERJ3GEY0R00V	0 1/16W	[M]
RA2021	EXBV4V102JV	1K 1/16W	[M]
RA2022	EXBV4V472JV	4.7K 1/16W	[M]
RA2501	EXBV8V473JV	47K 1/16W	[M]
RA3001	EXBV4V102JV	1K 1/16W	[M]

RA3002	EXBV8V820JV	82 1/16W	[M]
RA3003	EXBV8V820JV	82 1/16W	[M]
RA3004	EXBV8V820JV	82 1/16W	[M]
RA3005	EXBV8V820JV	82 1/16W	[M]
RA3006	EXBV8V820JV	82 1/16W	[M]
RA3007	EXBV8V820JV	82 1/16W	[M]
RA3008	EXBV8V820JV	82 1/16W	[M]
RA3009	EXBV8V331JV	330 1/16W	[M]
RA3010	EXBV8V331JV	330 1/16W	[M]
RA3031	EXBV4VR000V	0 1/16W	[M]
RA3032	EXBV4VR000V	0 1/16W	[M]
RA3033	EXBV4VR000V	0 1/16W	[M]
RA5001	EXBV4V560JV	56 1/16W	[M]
RA5002	EXBV8V560JV	56 1/16W	[M]
RA5003	EXBV8V560JV	56 1/16W	[M]
RA5201	EXBV8V101JV	100 1/16W	[M]
RA6201	EXBV4V103JV	10K 1/16W	[M]
RA6202	EXBV4V103JV	10K 1/16W	[M]
RA6203	EXBV4V472JV	4.7K 1/16W	[M]
RA6204	EXBV4V103JV	10K 1/16W	[M]
RA6205	EXBV8V103JV	10K 1/16W	[M]
RA6206	EXBV4V473JV	47K 1/16W	[M]
RA6207	EXBV4V472JV	4.7K 1/16W	[M]
		CAPACITORS	
C1	ECEA1CKA101B	100 16V	[M]
C2	ECBT1E103ZF5	0.01 25V	[M]
C111	ECEA0JM102B	1000 6.3V	[M]
C112	ECEA0JM102B	1000 6.3V	[M]
C125	ECJ1VC1H101K	100P 50V	[M]
C126	ECJ1VC1H101K	100P 50V	[M]
C128	ECJ1VC1H101K	100P 50V	[M]
C129	ECJ1VC1H101K	100P 50V	[M]
C131	ECJ1VC1H101K	100P 50V	[M]
C132	ECJ1VC1H101K	100P 50V	[M]
C133	ECJ1VB1H103K	0.01 50V	[M]

C134	ECJ1VC1H101K	100P 50V	[M]
C135	ECJ1VC1H101K	100P 50V	[M]
C136	ECJ1VB1H103K	0.01 50V	[M]
C137	ECEA1HKA2R2B	2.2 50V	[M]
C138	ECJ1VB1H471K	470P 50V	[M]
C139	ECJ1VB1H471K	470P 50V	[M]
C140	ECEA1HKA010B	1 50V	[M]
C141	ECEA1HKA010B	1 50V	[M]
C142	ECEA1HKA3R3B	3.3 50V	[M]
C143	ECEA1HKA010B	1 50V	[M]
C144	ECJ1VC1H470J	47P 50V	[M]
C145	ECJ1VC1H101K	100P 50V	[M]
C146	ECJ1VB1H103K	0.01 50V	[M]
C147	ECJ1VC1H101K	100P 50V	[M]
C148	ECJ1VC1H470J	47P 50V	[M]
C149	ECEA1HKA010B	1 50V	[M]
C150	ECJ1VC1H470J	47P 50V	[M]
C151	ECJ1VB1H681K	680P 50V	[M]
C152	ECJ1VB1H103K	0.01 50V	[M]
C153	ECJ1VB1H681K	680P 50V	[M]
C154	ECJ1VC1H470J	47P 50V	[M]
C155	ECEA1CKA100B	10 16V	[M]
C156	ECEA1CKA100B	10 16V	[M]
C158	ECEA1CKA100B	10 16V	[M]
C159	ECEA1CKA100B	10 16V	[M]
C160	ECJ1VB1H103K	0.01 50V	[M]
C161	ECJ1VC1H101K	100P 50V	[M]
C162	ECJ1VC1H470J	47P 50V	[M]
C163	ECEA1CKA100B	10 16V	[M]
C164	ECJ1VC1H101K	100P 50V	[M]
C165	ECJ1VC1H470J	47P 50V	[M]
C166	ECJ1VB1H103K	0.01 50V	[M]
C181	ECEA1HKA010B	1 50V	[M]
C182	ECEA1HKA010B	1 50V	[M]
C215	ECEA1HKA010B	1 50V	[M]
C216	ECEA1CKA100B	10 16V	[M]
C217	ECEA1HKAR15B	0.15 50V	[M]

C218	ECEA1CKA100B	10 16V	[M]
C219	ECEA1HKA3R3B	3.3 50V	[M]
C220	ECEA1HKA010B	1 50V	[M]
C221	ECEA1CKA100B	10 16V	[M]
C222	ECEA1HKAR15B	0.15 50V	[M]
C223	ECEA1CKA100B	10 16V	[M]
C224	ECEA1HKA3R3B	3.3 50V	[M]
C225	ECEA1HKA010B	1 50V	[M]
C226	ECEA1CKA100B	10 16V	[M]
C227	ECEA1CKA100B	10 16V	[M]
C228	ECEA1HKA010B	1 50V	[M]
C229	ECEA1HKA010B	1 50V	[M]
C230	ECEA1CKA100B	10 16V	[M]
C231	ECEA1CKA100B	10 16V	[M]
C232	ECEA1HKA2R2B	2.2 50V	[M]
C233	ECUVNE104KBV	0.1 25V	[M]
C235	ECJ1VC1H101K	100P 50V	[M]
C237	ECJ1VC1H101K	100P 50V	[M]
C238	ECJ1VB1H221K	220P 50V	[M]
C239	ECJ1VB1H221K	220P 50V	[M]
C240	ECJ1VC1H470J	47P 50V	[M]
C241	ECJ1VC1H470J	47P 50V	[M]
C242	ECUVNE104KBV	0.1 25V	[M]
C243	ECJ1VB1H103K	0.01 50V	[M]
C251	ECEA1CKA100B	10 16V	[M]
C252	ECUVNE104KBV	0.1 25V	[M]
C253	ECUVNE104KBV	0.1 25V	[M]
C265	ECEA1CKA100B	10 16V	[M]
C266	ECEA1CKA100B	10 16V	[M]
C267	ECJ1VB1H471K	470P 50V	[M]
C268	ECJ1VB1H471K	470P 50V	[M]
C269	ECJ1VC1H470J	470P 50V	[M]
C270	ECJ1VC1H470J	470P 50V	[M]
C271	ECJ1VB1H103K	0.01 50V	[M]
C272	ECJ1VB1H103K	0.01 50V	[M]
C273	ECEA1CKA220B	22 16V	[M]
C274	ECEA1CKA220B	22 16V	[M]

C275	ECEA1CKA100B	10 16V	[M]
C276	ECEA1CKA100B	10 16V	[M]
C277	ECJ1VB1H471K	470P 50V	[M]
C278	ECJ1VB1H471K	470P 50V	[M]
C279	ECJ1VC1H470J	47P 50V	[M]
C280	ECJ1VC1H470J	47P 50V	[M]
C281	ECEA1CKA220B	22 16V	[M]
C282	ECEA1CKA220B	22 16V	[M]
C283	ECEA1CKA100B	10 16V	[M]
C284	ECEA1CKA100B	10 16V	[M]
C285	ECJ1VC1H470J	47P 50V	[M]
C286	ECJ1VC1H470J	47P 50V	[M]
C287	ECJ1VB1H471K	470P 50V	[M]
C288	ECJ1VB1H471K	470P 50V	[M]
C289	ECUVNE104KBV	0.1 25V	[M]
C290	ECUVNE104KBV	0.1 25V	[M]
C291	ECEA1CKA220B	22 16V	[M]
C292	ECEA1CKA220B	22 16V	[M]
C293	ECEA1CKA220B	22 16V	[M]
C294	ECEA1CKA220B	22 16V	[M]
C295	ECJ1VB1H222K	2200P 50V	[M]
C296	ECJ1VB1H222K	2200P 50V	[M]
C297	ECEA1CKA220B	22 16V	[M]
C298	ECEA1CKA220B	22 16V	[M]
C299	ECJ1VB1H222K	2200P 50V	[M]
C300	ECJ1VB1H222K	2200P 50V	[M]
C301	ECEA1CKA220B	22 16V	[M]
C302	ECEA1CKA220B	22 16V	[M]
C303	ECJ1VB1H222K	2200P 50V	[M]
C304	ECJ1VB1H222K	2200P 50V	[M]
C309	ECEA1HKA3R3B	3.3 50V	[M]
C401	ECEA1CKA100B	10 16V	[M]
C402	ECEA1HKA3R3B	3.3 50V	[M]
C403	ECEA1HKA4R7B	4.7 50V	[M]
C404	ECEA1HKA4R7B	4.7 50V	[M]
C405	ECEA1HKA3R3B	3.3 50V	[M]
C406	ECEA1CKA100B	10 16V	[M]

C407	ECBT1H103KB5	0.01 50V	[M]
C408	ECBT1H103KB5	0.01 50V	[M]
C409	ECBT1H101KB5	100P 50V	[M]
C410	ECBT1H101KB5	100P 50V	[M]
C411	ECBT1H121KB5	120P 50V	[M]EE
C411	ECBT1H470J5	47P 50V	[M]EB EG
C412	ECBT1H121KB5	120P 50V	[M]EE
C412	ECBT1H470J5	47P 50V	[M]EB EG
C413	ECBT1H102KB5	1000P 50V	[M]
C414	ECBT1H102KB5	1000P 50V	[M]
C415	ECBT1H103KB5	0.01 50V	[M]
C416	ECEA1CKA100B	10 16V	[M]
C417	ECEA1HKA3R3B	3.3 50V	[M]
C418	ECFR1C104KR	0.1 16V	[M]
C419	F1C1C393A013	0.039 16V	[M]
C420	ECBT1C562KR5	5600P 16V	[M]
C421	F1D1H473A012	0.047 50V	[M]
C422	ECQV1H154JZ3	0.15 50V	[M]
C423	ECEA1HKA010B	1 50V	[M]
C424	F1D1H473A012	0.047 50V	[M]
C425	ECFR1C104KR	0.1 16V	[M]
C426	ECFR1C104KR	0.1 16V	[M]
C427	F1D1H473A012	0.047 50V	[M]
C428	ECEA1CKA100B	10 16V	[M]
C429	ECEA1HKA010B	1 50V	[M]
C430	ECEA1CKA100B	10 16V	[M]
C431	ECBT1H103KB5	0.01 50V	[M]
C432	ECEA1CKA100B	10 16V	[M]
C433	ECEA1AKA101B	100 10V	[M]
C434	ECEA1HKA4R7B	4.7 50V	[M]
C452	F1H1H223A761	0.022 50V	[M]
C453	ECJ1VB1H103K	0.01 50V	[M]
C454	ECEA0JKA470B	47 6.3V	[M]
C455	ECJ1VB1H103K	0.01 50V	[M]
C456	ECJ1VB1H103K	0.01 50V	[M]
C500	ECKWRS102MBC	1000P 400V	[M]⚠
C501	ECBT1H471KB5	470P 50V	[M]

C502	ECBT1H471KB5	470P 50V	[M]
C503	ECBT1H471KB5	470P 50V	[M]
C504	ECBT1H471KB5	470P 50V	[M]
C505	ECBT1H471KB5	470P 50V	[M]
C506	ECBT1H471KB5	470P 50V	[M]
C507	ECBT1H180JC5	18P 50V	[M]
C508	ECBT1H180JC5	18P 50V	[M]
C509	ECBT1H220JC5	22P 50V	[M]
C510	ECBT1H220JC5	22P 50V	[M]
C511	ECBT1H220JC5	22P 50V	[M]
C512	ECBT1H220JC5	22P 50V	[M]
C513	F1D1H473A012	0.047 50V	[M]
C514	ECEA0JKA221B	220 6.3V	[M]
C515	ECKR2H103ZF5	0.01 500V	[M]
C516	ECKR2H103ZF5	0.01 500V	[M]
C517	ECBT1C103NS5	0.01 16V	[M]
C518	F1D1H1040002	0.1 50V	[M]
C519	ECEA1HKA2R2B	2.2 50V	[M]
C520	ECA0JM471B	470 6.3V	[M]
C521	F1D1H473A012	0.047 50V	[M]
C522	F1D1H473A012	0.047 50V	[M]
C523	F1D1H473A012	0.047 50V	[M]
C524	F1D1H473A012	0.047 50V	[M]
C525	F1D1H473A012	0.047 50V	[M]
C526	F1D1H473A012	0.047 50V	[M]
C527	ECEA1VM332B	3300 35V	[M]
C528	F2A1V562A157	5600P 35V	[M]
C529	F2A1V562A157	5600P 35V	[M]
C530	ECEA1VM332B	3300 35V	[M]
C531	ECQE1104KF3	0.1 100V	[M]
C532	ECQE1104KF3	0.1 100V	[M]
C534	ECBT1H102KB5	1000P 50V	[M]
C535	ECA1HM470B	47 50V	[M]
C536	ECBT1H103KB5	0.01 50V	[M]
C537	ECA1EM101B	100 25V	[M]
C538	ECBT1H103KB5	0.01 50V	[M]
C539	ECEA1CKA470B	47 16V	[M]

C541	ECEA1HKA4R7B	4.7 50V	[M]
C542	ECA1EM331B	330 25V	[M]
C543	ECA1EM331B	330 25V	[M]
C544	ECA1HM101B	100 50V	[M]
C545	ECA1HM101B	100 50V	[M]
C546	ECA1JM101B	100 63V	[M]
C547	ECA1JM101B	100 63V	[M]
C548	ECBT1H102KB5	1000P 50V	[M]
C549	ECA1HM100B	10 50V	[M]
C551	ECEA1HKA4R7B	4.7 50V	[M]
C552	F1D1H1040002	0.1 50V	[M]
C553	ECEA0JKA221B	220 6.3V	[M]
C554	ECEA1CKA330B	33 16V	[M]
C555	ECEA0JKA221B	220 6.3V	[M]
C559	ECKR1H473ZF5	0.047 50V	[M]
C560	ECQE1104KF3	0.1 100V	[M]
C561	ECA1EM222B	2200 25V	[M]
C582	F1D1H473A012	0.047 50V	[M]
C583	F1D1H473A012	0.047 50V	[M]
C584	ECBT1H102KB5	1000P 50V	[M]
C585	F1D1H473A012	0.047 50V	[M]
C589	ECBT1H471KB5	470P 50V	[M]
C590	F1D1H473A012	0.047 50V	[M]
C591	ECBT1H471KB5	470P 50V	[M]
C592	ECBT1H102KB5	1000P 50V	[M]
C593	RCA1CM102BT	1000P 16V	[M]
C596	ECBT1H103KB5	0.01 50V	[M]
C597	ECEA1AKA470B	47 10V	[M]
C599	ECBT1H102KB5	1000P 50V	[M]
C602	ECJ1VB1H561K	560P 50V	[M]
C603	ECJ1VB1H561K	560P 50V	[M]
C604	ECEA1CKA100B	10 16V	[M]
C605	ECJ1VB1H102K	1000P 50V	[M]
C609	ECJ1VB1H103K	0.01 50V	[M]
C610	ECJ1VB1H103K	0.01 50V	[M]
C611	ECJ1VB1H103K	0.01 50V	[M]
C612	ECEA1HKA2R2B	2.2 50V	[M]

C619	ECJ1VB1H102K	1000P 50V	[M]
C620	ECJ1VB1H103K	0.01 50V	[M]
C621	ECEA1HKA3R3B	3.3 50V	[M]
C622	ECEA1VKA220B	22 35V	[M]
C623	ECEA1VKA220B	22 35V	[M]
C624	ECEA0JKS101B	100 6.3V	[M]
C625	ECUVNE104KBV	0.1 25V	[M]
C626	ECEA0JM471B	470 6.3V	[M]
C627	ECJ1VB1H102K	1000P 50V	[M]
C628	ECJ1VB1H331K	330P 50V	[M]
C629	ECJ1VB1H103K	0.01 50V	[M]
C630	ECEA1AKA220B	22 10V	[M]
C631	ECEA0JM471B	470 6.3V	[M]
C632	ECJ1VC1H470J	47P 50V	[M]
C633	ECJ1VC1H470J	47P 50V	[M]
C634	ECJ1VB1H331K	330P 50V	[M]
C635	ECJ1VB1H103K	0.01 50V	[M]
C636	ECJ1VB1H561K	560P 50V	[M]
C637	ECJ1VB1H102K	1000P 50V	[M]
C638	ECEA0JKA470B	47 6.3V	[M]
C639	ECEA0JKA470B	47 6.3V	[M]
C640	ECEA1CKS100B	10 16V	[M]
C641	ECJ1VB1H102K	1000P 50V	[M]
C672	ECJ1VC1H101K	100P 50V	[M]
C701	ECQE1104KF3	0.1 100V	[M]
C702	ECA1EM472B	4700 25V	[M]
C703	ECEA1CKA100B	10 16V	[M]
C704	ECJ1VB1H103K	0.01 50V	[M]
C705	ECJ1VB1H103K	0.01 50V	[M]
C706	EEUFC0J821B	820P 6.3V	[M]
C707	ECEA1AKA101B	100 10V	[M]
C708	ECEA0JKA221B	220 6.3V	[M]
C709	ECA1EM101B	100 25V	[M]
C710	ECEA1AKA101B	100 10V	[M]
C711	ECEA1CKA100B	10 16V	[M]
C712	ECEA1CKA100B	10 16V	[M]
C713	ECJ1VB1H102K	1000P 50V	[M]

C714	ECJ1VB1H102K	1000P 50V	[M]
C715	ECJ1VB1H102K	1000P 50V	[M]
C716	F2A1E222A172	2200P 25V	[M]
C717	ECJ1VB1H103K	0.01 50V	[M]
C719	ECUVNE104KBV	0.1 25V	[M]
C739	ECUVNA105KBV	10 10V	[M]
C764	ECJ1VB1H103K	0.01 50V	[M]
C838	F1H1H5R0A759	5P 50V	[M]
C839	ECUV1H120JCV	12P 50V	[M]
C840	ECJ1VB1H103K	0.01 50V	[M]
C841	ECJ1VB1H222K	2200P 50V	[M]
C842	ECJ1VB1H222K	2200P 50V	[M]
C843	ECEA1HKA4R7B	4.7 50V	[M]
C844	ECEA1HKA4R7B	4.7 50V	[M]
C845	ECJ1VB1H103K	0.01 50V	[M]
C846	ECEA1HKA010B	1 50V	[M]
C847	ECJ1VB1H103K	0.01 50V	[M]
C848	ECJ1VB1H222K	2200P 50V	[M]
C849	ECJ1VB1H681K	680P 50V	[M]
C850	ECJ1VB1H681K	680P 50V	[M]
C851	ECJ1VB1H102K	1000P 50V	[M]
C852	ECJ1VB1H102K	1000P 50V	[M]
C853	ECJ1VC1H470J	47P 50V	[M]
C854	ECJ1VC1H470J	47P 50V	[M]
C855	ECJ1VB1H103K	0.01 50V	[M]
C857	ECJ1VC1H470J	47P 50V	[M]
C858	ECJ1VB1H222K	2200P 50V	[M]
C859	ECEA1HKA010B	1 50V	[M]
C860	ECJ1VB1H331K	330P 50V	[M]
C861	ECJ1VB1H103K	0.01 50V	[M]
C862	ECJ1VB1H103K	0.01 50V	[M]
C863	ECEA1CKA100B	10 16V	[M]
C864	ECJ1VB1H103K	0.01 50V	[M]
C865	ECJ1VB1H103K	0.01 50V	[M]
C866	ECEA1CKA100B	10 16V	[M]
C867	ECUV1H151KCV	150P 50V	[M]
C868	ECUV1H151KCV	150P 50V	[M]

C869	ECJ1VC1H470J	47P 50V	[M]
C870	ECJ1VC1H470J	47P 50V	[M]
C871	ECJ1VB1H103K	0.01 50V	[M]
C872	ECJ1VB1H471K	470P 50V	[M]
C873	ECJ1VB1H471K	470P 50V	[M]
C874	F1H1H223A761	0.022 50V	[M]
C875	ECJ1VB1H103K	0.01 50V	[M]
C876	ECEA0JKA470B	47 6.3V	[M]
C877	ECJ1VB1H103K	0.01 50V	[M]
C878	ECJ1VB1H103K	0.01 50V	[M]
C879	ECJ1VB1H103K	0.01 50V	[M]
C880	ECJ1VB1H103K	0.01 50V	[M]
C881	ECUV1C105ZFN	1 16V	[M]
C882	ECUVNE104KBV	0.1 25V	[M]
C883	ECEA1HKA010B	1 50V	[M]
C884	ECUV1C105ZFN	1 16V	[M]
C885	F1H1H223A761	0.022 50V	[M]
C886	EEAFC0J101B	100P 6.3V	[M]
C887	ECEA1HKA010B	1 50V	[M]
C888	ECJ1VB1H103K	0.01 50V	[M]
C889	ECUVNE104KBV	0.1 25V	[M]
C890	ECJ1VB1H222K	2200P 50V	[M]
C891	ECJ1VB1H222K	2200P 50V	[M]
C892	ECEA1HKA010B	1 50V	[M]
C893	ECEA0JKA470B	47 6.3V	[M]
C894	EEAFC0J101B	100P 6.3V	[M]
C895	ECEA1HKAR47B	0.47 50V	[M]
C896	ECEA1HKAR47B	0.47 50V	[M]
C897	ECEA1HKAR47B	0.47 50V	[M]
C898	ECEA1HKA010B	1 50V	[M]
C899	ECEA1HKA4R7B	4.7 50V	[M]
C900	ECEA1HKA4R7B	4.7 50V	[M]
C901	ECEA1CKA101B	100 16V	[M]
C902	ECEA1HKA4R7B	4.7 50V	[M]
C903	ECEA1HKA4R7B	4.7 50V	[M]
C904	ECEA1HKA4R7B	4.7 50V	[M]
C905	ECEA1HKA4R7B	4.7 50V	[M]

C906	ECEA1HKAR47B	0.47 50V	[M]
C907	ECEA1HKAR47B	0.47 50V	[M]
C908	ECEA1HKAR47B	0.47 50V	[M]
C909	ECEA1CKA100B	10 16V	[M]
C910	ECEA1CKA220B	22 16V	[M]
C911	ECEA1CKA220B	22 16V	[M]
C912	ECEA1CKA220B	22 16V	[M]
C913	ECEA1CKA220B	22 16V	[M]
C914	ECEA1CKA100B	10 16V	[M]
C915	ECJ1VB1H222K	2200P 50V	[M]
C916	ECJ1VB1H222K	2200P 50V	[M]
C919	ECUV1E473KBV	0.047 25V	[M]
C921	ECJ1VB1H102K	1000P 50V	[M]
C2001	ECEV0GA101SR	100 4V	[M]
C2002	ECEV0GA101SR	100 4V	[M]
C2003	ECUVNC104ZFV	0.1 16V	[M]
C2004	ECUVNC104ZFV	0.1 16V	[M]
C2005	ECUVNC104ZFV	0.1 16V	[M]
C2006	ECUVNC104ZFV	0.1 16V	[M]
C2007	ECUVNC104ZFV	0.1 16V	[M]
C2008	ECUVNC104ZFV	0.1 16V	[M]
C2009	ECUVNC104ZFV	0.1 16V	[M]
C2010	ECUVNC104ZFV	0.1 16V	[M]
C2011	ECUVNC104ZFV	0.1 16V	[M]
C2012	ECUVNC104ZFV	0.1 16V	[M]
C2013	ECUVNC104ZFV	0.1 16V	[M]
C2014	ECUVNC104ZFV	0.1 16V	[M]
C2015	ECUVNC104ZFV	0.1 16V	[M]
C2016	ECUVNC104ZFV	0.1 16V	[M]
C2017	ECUVNC104ZFV	0.1 16V	[M]
C2018	ECUVNC104ZFV	0.1 16V	[M]
C2021	ECEV0GA101SR	100 4V	[M]
C2022	ECUVNC104ZFV	0.1 16V	[M]
C2023	ECUVNC104ZFV	0.1 16V	[M]
C2024	ECUVNC104ZFV	0.1 16V	[M]
C2025	ECUVNC104ZFV	0.1 16V	[M]
C2026	ECUVNC104KBV	0.1 16V	[M]

C2027	ECUVNC104ZFV	0.1 16V	[M]
C2031	ECUVNC104KBV	0.1 16V	[M]
C2032	ECUVNC104KBV	0.1 16V	[M]
C2034	F1H1C393A089	0.039 16V	[M]
C2035	F1H1H822A022	8200P 50V	[M]
C2036	ECUVNC104KBV	0.1 16V	[M]
C2038	ECUVNC104KBV	0.1 16V	[M]
C2039	ECJ1VB1C103K	0.01 16V	[M]
C2040	ECJ1VC1H102J	1000P 50V	[M]
C2041	F1H1H331A765	330P 50V	[M]
C2042	F1H1H331A765	330P 50V	[M]
C2043	ECUV1H101JCV	100P 50V	[M]
C2044	F1H1H391A765	390P 50V	[M]
C2045	F1H1H391A765	390P 50V	[M]
C2046	ECJ1VC1H102J	1000P 50V	[M]
C2047	ECJ1VB1C103K	0.01 16V	[M]
C2048	ECUV1C153KBV	0.015 16V	[M]
C2050	ECUV1C333KBV	0.033 16V	[M]
C2051	ECUV1H680JCV	68P 50V	[M]
C2052	ECUVNC104ZFV	0.1 16V	[M]
C2053	ECUVNC104ZFV	0.1 16V	[M]
C2054	F1H1H681A796	680P 50V	[M]
C2055	ECJ1VB1H682K	6800P 50V	[M]
C2056	ECUVNC104KBV	0.1 16V	[M]
C2057	ECUVNC104KBV	0.1 16V	[M]
C2058	ECJ1VC1H102J	1000P 50V	[M]
C2059	ECUV1H821JCV	820P 50V	[M]
C2060	ECJ1VC1H102J	1000P 50V	[M]
C2061	F1H1H331A765	330P 50V	[M]
C2062	F1H1H331A765	330P 50V	[M]
C2063	ECJ1VC1H102J	1000P 50V	[M]
C2064	ECJ1VC1H102J	1000P 50V	[M]
C2065	ECJ1VC1H102J	1000P 50V	[M]
C2066	ECJ1VB1H472K	4700P 50V	[M]
C2067	ECJ1VB1H472K	4700P 50V	[M]
C2068	ECJ1VB1H472K	4700P 50V	[M]
C2501	EEVHB0J101P	100P 6.3V	[M]

C2502	ECEV0JA331P	330 6.3V	[M]
C2503	ECEV1CA101WP	100 16V	[M]
C2504	ECUVNC104ZFV	0.1 16V	[M]
C2505	ECUVNC104ZFV	0.1 16V	[M]
C2506	ECUVNC104ZFV	0.1 16V	[M]
C2507	ECUVNC104ZFV	0.1 16V	[M]
C2508	ECUVNC104ZFV	0.1 16V	[M]
C2511	ECUVNC104ZFV	0.1 16V	[M]
C2512	ECUVNC104ZFV	0.1 16V	[M]
C2601	ECUV1C104ZFV	0.1 16V	[M]
C2602	ECUV1C104ZFV	0.1 16V	[M]
C3001	ECEV0JA331P	330 6.3V	[M]
C3002	ECEV0JA331P	330 6.3V	[M]
C3003	ECUVNC104ZFV	0.1 16V	[M]
C3004	ECUVNC104ZFV	0.1 16V	[M]
C3005	ECUVNC104ZFV	0.1 16V	[M]
C3006	ECUVNC104ZFV	0.1 16V	[M]
C3007	ECUVNC104ZFV	0.1 16V	[M]
C3008	F1H1A105A038	1 10V	[M]
C3009	F1H1A105A038	1 10V	[M]
C3010	ECUVNC104ZFV	0.1 16V	[M]
C3011	ECUVNC104ZFV	0.1 16V	[M]
C3012	ECUVNC104ZFV	0.1 16V	[M]
C3013	ECUVNC104ZFV	0.1 16V	[M]
C3014	ECUVNC104ZFV	0.1 16V	[M]
C3015	ECUVNC104ZFV	0.1 16V	[M]
C3016	ECUVNC104ZFV	0.1 16V	[M]
C3017	ECUVNC104ZFV	0.1 16V	[M]
C3018	ECUVNC104ZFV	0.1 16V	[M]
C3019	ECUVNC104ZFV	0.1 16V	[M]
C3020	ECUVNC104ZFV	0.1 16V	[M]
C3021	ECUVNC104ZFV	0.1 16V	[M]
C3022	ECUVNC104ZFV	0.1 16V	[M]
C3023	ECUVNC104ZFV	0.1 16V	[M]
C3024	ECUVNC104ZFV	0.1 16V	[M]
C3025	ECUVNC104ZFV	0.1 16V	[M]
C3026	ECUVNC104ZFV	0.1 16V	[M]

C3027	ECUVNC104ZFV	0.1 16V	[M]
C3028	ECUVNC104ZFV	0.1 16V	[M]
C3029	ECUVNC104ZFV	0.1 16V	[M]
C3030	ECUVNC104ZFV	0.1 16V	[M]
C3031	ECUVNC104ZFV	0.1 16V	[M]
C3032	ECUVNC104ZFV	0.1 16V	[M]
C3033	ECUVNC104ZFV	0.1 16V	[M]
C3034	ECUVNC104ZFV	0.1 16V	[M]
C3035	ECUVNC104ZFV	0.1 16V	[M]
C3036	ECUVNC104ZFV	0.1 16V	[M]
C3041	ECUVNC104ZFV	0.1 16V	[M]
C3042	ECUVNC104ZFV	0.1 16V	[M]
C3043	ECUVNC104ZFV	0.1 16V	[M]
C3044	ECUVNC104ZFV	0.1 16V	[M]
C3045	ECUVNC104ZFV	0.1 16V	[M]
C3051	ECUVNC104ZFV	0.1 16V	[M]
C3052	ECUVNC104ZFV	0.1 16V	[M]
C3054	ECJ1VC1H220J	22P 50V	[M]
C3061	ECUVNC104ZFV	0.1 16V	[M]
C3062	ECUVNC104ZFV	0.1 16V	[M]
C3063	ECUVNC104ZFV	0.1 16V	[M]
C3064	ECUVNC104ZFV	0.1 16V	[M]
C3065	ECUVNC104ZFV	0.1 16V	[M]
C3066	ECUVNC104ZFV	0.1 16V	[M]
C3067	ECUVNC104ZFV	0.1 16V	[M]
C3071	ECUVNC104ZFV	0.1 16V	[M]
C3072	ECUVNC104ZFV	0.1 16V	[M]
C3073	RCST1AY106RE	10 10V	[M]
C3080	ECEV0JA331P	330 6.3V	[M]
C3081	ECUVNC104ZFV	0.1 16V	[M]
C3082	ECUVNC104ZFV	0.1 16V	[M]
C3083	F1H0J1050005	10 6.3V	[M]
C3084	F1H0J1050005	10 6.3V	[M]
C3085	F1H0J1050005	10 6.3V	[M]
C3086	F1H0J1050005	10 6.3V	[M]
C3087	ECUVNC104ZFV	0.1 16V	[M]
C3088	ECUVNC104ZFV	0.1 16V	[M]

C3089	ECUVNC104ZFV	0.1 16V	[M]
C3100	EEVHB0J101P	100P 6.3V	[M]
C3210	ECUVNC104ZFV	0.1 16V	[M]
C3211	ECUVNC104ZFV	0.1 16V	[M]
C3212	ECUVNC104ZFV	0.1 16V	[M]
C3213	ECUVNC104ZFV	0.1 16V	[M]
C3214	ECUVNC104ZFV	0.1 16V	[M]
C3301	EEVHB0J101P	100P 6.3V	[M]
C3302	ECUVNC104ZFV	0.1 16V	[M]
C3303	EEVHB1C100R	10P 16V	[M]
C3305	ECJ1VB1C103K	0.01 16V	[M]
C3307	ECJ1VB1C103K	0.01 16V	[M]
C3308	ECJ1VC1H150J	15P 50V	[M]
C4208	ECUVNC104ZFV	0.1 16V	[M]
C4211	RCST1AY106RE	10 10V	[M]
C4215	ECUVNC104ZFV	0.1 16V	[M]
C4216	F2G0J101A015	100P 6.3V	[M]
C4217	ECUVNC104ZFV	0.1 16V	[M]
C4219	RCST1AY106RE	10 10V	[M]
C4220	RCST1AY106RE	10 10V	[M]
C4221	ECUVNC104ZFV	0.1 16V	[M]
C4222	ECUVNC104ZFV	0.1 16V	[M]
C4223	ECUVNC104ZFV	0.1 16V	[M]
C4224	ECUVNC104ZFV	0.1 16V	[M]
C4225	ECUVNC104ZFV	0.1 16V	[M]
C4226	ECUVNC104ZFV	0.1 16V	[M]
C4227	ECUVNC104ZFV	0.1 16V	[M]
C4228	F2G0J331A015	330P 6.3V	[M]
C4229	F2G0J331A015	330P 6.3V	[M]
C5001	ECUV1C104ZFV	0.1 16V	[M]
C5002	ECUV1C104ZFV	0.1 16V	[M]
C5201	EEVHB1C100R	10P 16V	[M]
C5202	EEVHB1C100R	10P 16V	[M]
C5203	ECUVNC104ZFV	0.1 16V	[M]
C5204	ECUVNC104ZFV	0.1 16V	[M]
C5205	ECUVNC104ZFV	0.1 16V	[M]
C5206	ECUVNC104ZFV	0.1 16V	[M]

C5211	EEVHB0J470R	47P 6.3V	[M]
C5215	EEVHB0J470R	47P 6.3V	[M]
C5221	ECUVNC104ZFV	0.1 16V	[M]
C5222	RCST1AY106RE	10 10V	[M]
C5232	ECUVNC104ZFV	0.1 16V	[M]
C5233	ECUVNC104ZFV	0.1 16V	[M]
C5234	ECUVNC104ZFV	0.1 16V	[M]
C5235	ECUVNC104KBV	0.1 16V	[M]
C5236	ECUVNC104KBV	0.1 16V	[M]
C5241	ECUVNC104ZFV	0.1 16V	[M]
C5242	ECUVNC104ZFV	0.1 16V	[M]
C5243	ECUVNC104ZFV	0.1 16V	[M]
C5244	ECUVNC104ZFV	0.1 16V	[M]
C5245	ECUVNC104ZFV	0.1 16V	[M]
C5246	ECUVNC104ZFV	0.1 16V	[M]
C5247	ECUVNC104ZFV	0.1 16V	[M]
C5248	ECUVNC104ZFV	0.1 16V	[M]
C5251	ECUV1H101JCV	100P 50V	[M]
C5252	ECUVNC104KBV	0.1 16V	[M]
C5261	ECUVNC104ZFV	0.1 16V	[M]
C5262	ECUV1H821JCV	820P 50V	[M]
C5263	ECUV1H221JCV	220P 50V	[M]
C5264	ECUV1H821JCV	820P 50V	[M]
C5271	ECUVNC104ZFV	0.1 16V	[M]
C5272	ECUVNC104ZFV	0.1 16V	[M]
C5273	ECJ1VB1H182K	1800P 50V	[M]
C5274	ECUVNC104KBV	0.1 16V	[M]
C5282	ECUVNC104ZFV	0.1 16V	[M]
C5283	F1H1H561A765	560P 50V	[M]
C5284	F1H1H561A765	560P 50V	[M]
C5285	ECUV1C273KBV	0.027 16V	[M]
C5288	ECUVNC104ZFV	0.1 16V	[M]
C5289	ECUVNC104KBV	0.1 16V	[M]
C5290	ECUVNC104KBV	0.1 16V	[M]
C5291	ECUVNC104KBV	0.1 16V	[M]
C5292	ECUVNC104KBV	0.1 16V	[M]
C5295	ECUVNC104ZFV	0.1 16V	[M]

C5298	F1H1C473A088	0.047 16V	[M]
C6201	ECEV0GA330SR	33 4V	[M]
C6202	ECUVNC104ZFV	0.1 16V	[M]
C6203	ECUVNC104ZFV	0.1 16V	[M]
C6204	ECUVNC104ZFV	0.1 16V	[M]
C6205	ECUVNC104ZFV	0.1 16V	[M]
C6206	ECUVNC104ZFV	0.1 16V	[M]
C6211	ECUVNC104ZFV	0.1 16V	[M]
C6212	ECUV1H101JCV	100P 50V	[M]
C6215	ECUVNC104KBV	0.1 16V	[M]
C6221	ECUVNC104ZFV	0.1 16V	[M]
C6222	ECUVNC104ZFV	0.1 16V	[M]
C6223	ECUVNC104ZFV	0.1 16V	[M]
C6251	F1H1A105A038	10 10V	[M]
C6252	ECJ1VC1H471J	470P 50V	[M]
C6253	RCST1AY106RE	10 10V	[M]
C6257	EEVHB0J101P	100P 6.3V	[M]
C6261	ECUVNC104ZFV	0.1 16V	[M]
C6262	RCST1AY106RE	10 10V	[M]
C6304	ECUVNC104ZFV	0.1 16V	[M]
C6305	ECUVNC104ZFV	0.1 16V	[M]
C6501	ECEV0GA330SR	33 4V	[M]
C6502	ECEV0GA330SR	33 4V	[M]
C6503	ECUVNC104ZFV	0.1 16V	[M]
C6504	ECUVNC104ZFV	0.1 16V	[M]
C6505	ECUVNC104ZFV	0.1 16V	[M]
C6511	ECJ1VC1H150J	15P 50V	[M]
C6512	ECJ1VC1H150J	15P 50V	[M]
C6521	ECUVNC104ZFV	0.1 16V	[M]

TOP PREVIOUS NEXT

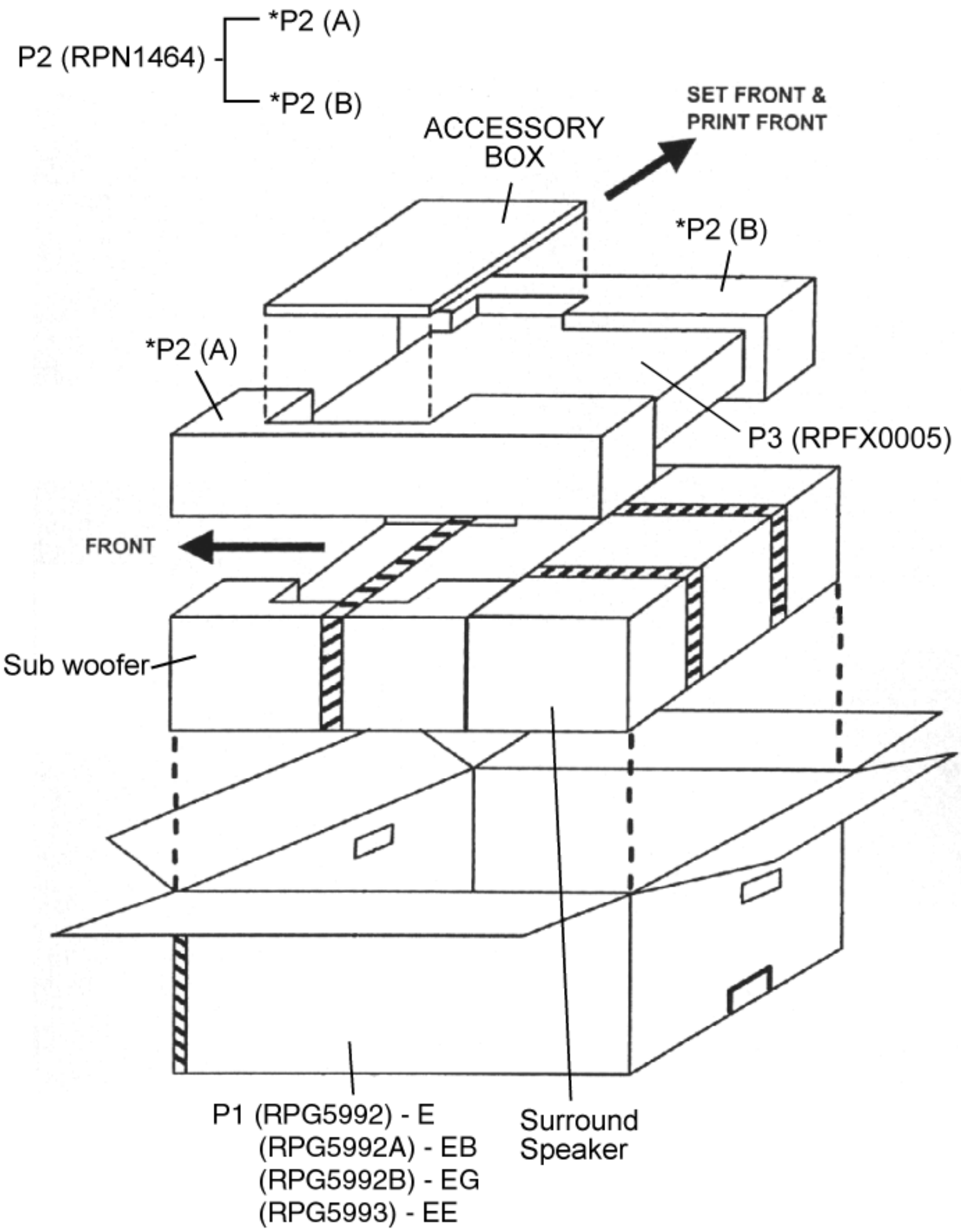
19.4 Packing Materials& Accessories Parts List

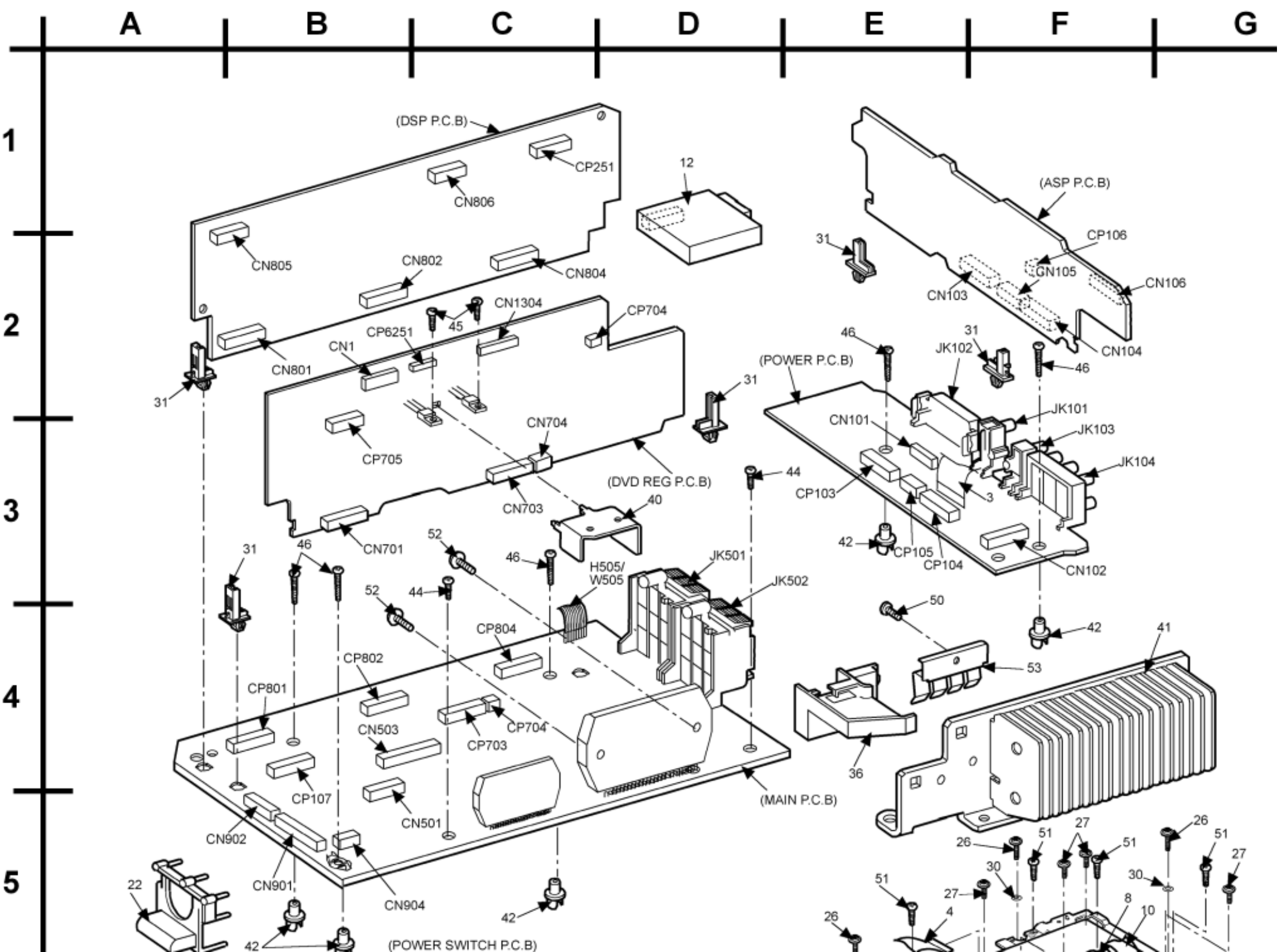
TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG5992	PACKING CASE	[M]E
P1	RPG5992A	PACKING CASE	[M]EB
P1	RPG5992B	PACKING CASE	[M]EG
P1	RPG5993	PACKING CASE	[M]EE
P2	RPN1464	POLYFOAM	[M]
P3	RPFX0005	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	EUR7502XE0	REMOTE CONTROL	[M]
A1-1	UR75EC0103D	R/C BATTERY COVER	[M]
A2	RJA0019-2X	AC CORD	[M]E EE EG ⚠
A2	RJA0053-3X	AC CORD	[M]EB ⚠
A3	RQT6288-D	O/I BOOK	[M]EG
A3	RQT6289-H	O/I BOOK	[M]EG
A3	RQT6290-R	O/I BOOK	[M]E
A3	RQT6291-B	O/I BOOK	[M]E EB EE
A3	RQT6292-R	O/I BOOK	[M]EE
A4	RSA0007	FM ANTENNA	[M]
A5	RSA0012	AM LOOP ANTENNA	[M]
A6	RJL1P016B15A	VIDEO CABLE	[M]
A7	RFA0631A-K	LEG RUBBER (SPEAKER	[M]
A8	K1YZ02000013	D/N ADAPTOR	[M]EB

TOP PREVIOUS NEXT

19.5 Packaging


P2 (RPN1464)
*P2 (A)
*P2 (B)
SET FRONT &
PRINT FRONT
ACCESSORY
BOX
*P2 (B)
*P2 (A)
P3 (RPFX0005)
FRONT
Sub woofer
P1 (RPG5992) - E
(RPG5992A) - EB
(RPG5992B) - EG
(RPG5993) - EE
Surround
Speaker


A
B
C
D
E
F
G
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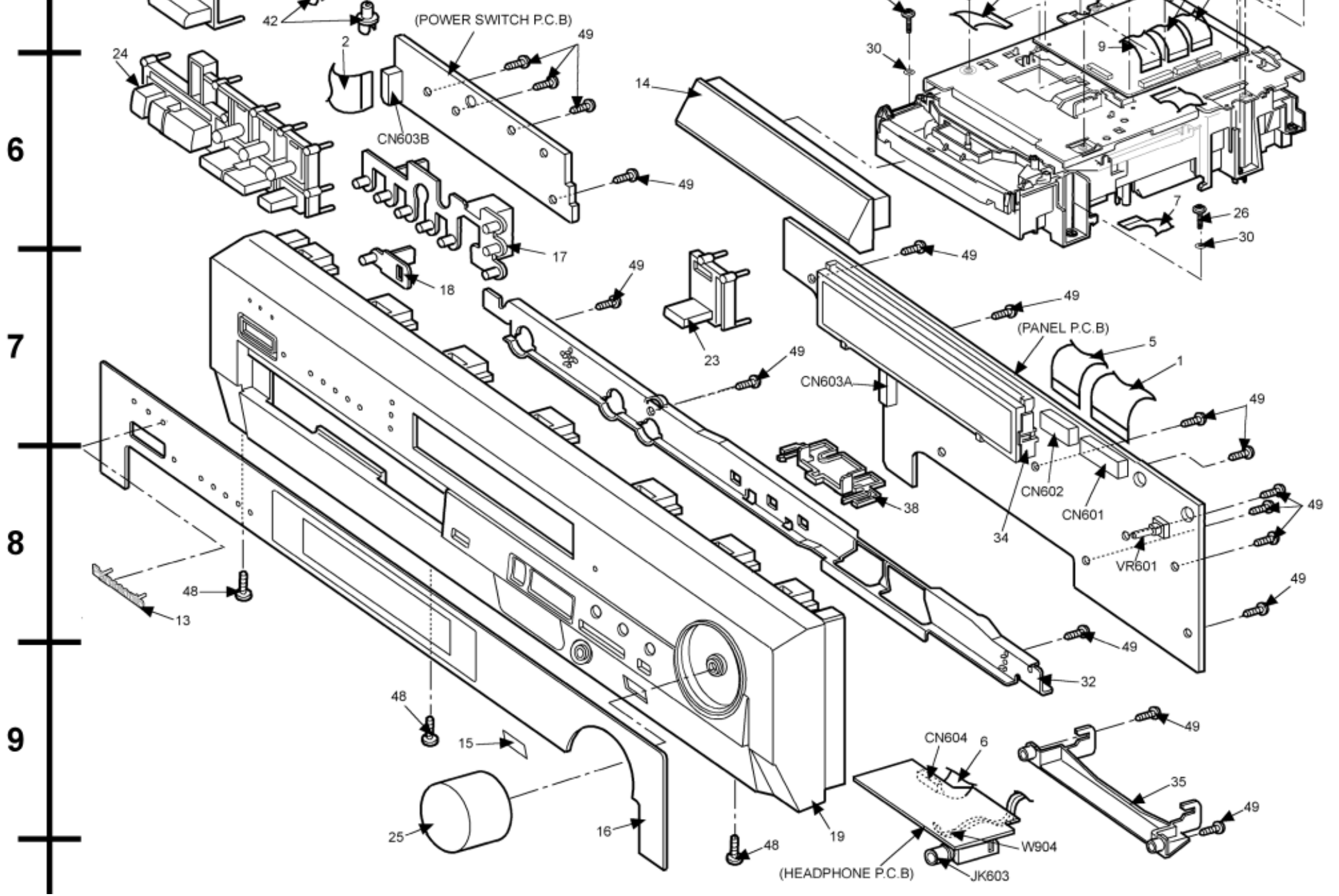
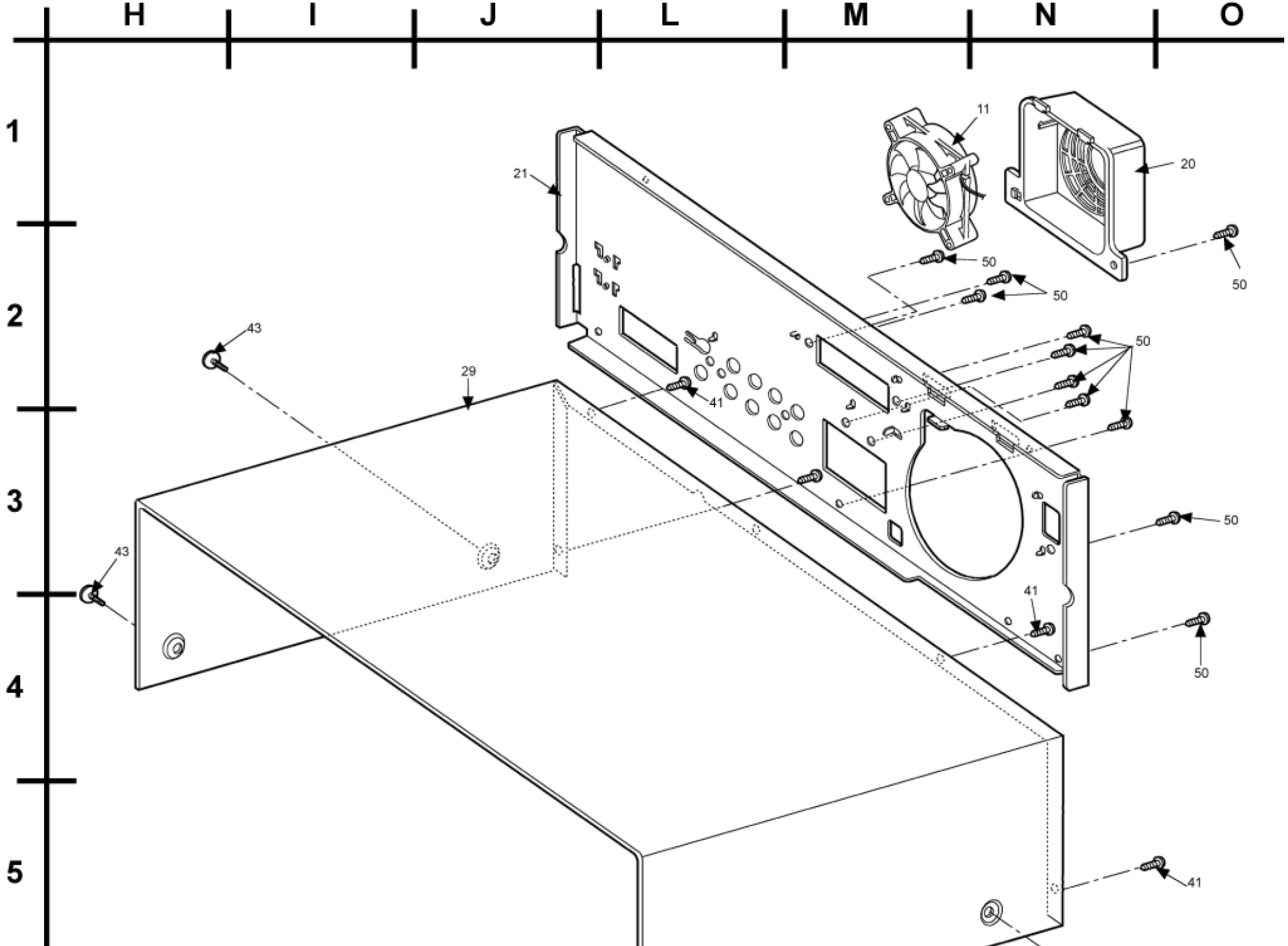
(DSP P.C.B)
CP251
CN806
CN805
CN802
CN804
12
(ASP P.C.B)
CP106
GN105
CN106
CN103
CN104
31
CN1304
45
CP704
CP6251
CN1
CN801
CP705
CN704
CN703
(DVD REG P.C.B)
40
44
(POWER P.C.B)
JK102
JK101
JK103
JK104
CN101
CP103
CP105
CP104
CN102
42
46
52
H505/
W505
JK501
JK502
50
53
41
36
CP804
CP802
CP801
CN503
CP703
CP704
CP107
CN501
(MAIN P.C.B)
CN902
CN901
CN904
22
(POWER SWITCH P.C.B)
51
27
26
30
8
10
4


6
7
8
9
(POWER SWITCH P.C.B)
CN603B
(PANEL P.C.B)
CN603A
CN602
CN601
VR601
(HEADPHONE P.C.B)
CN604
W904
JK603


H
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29
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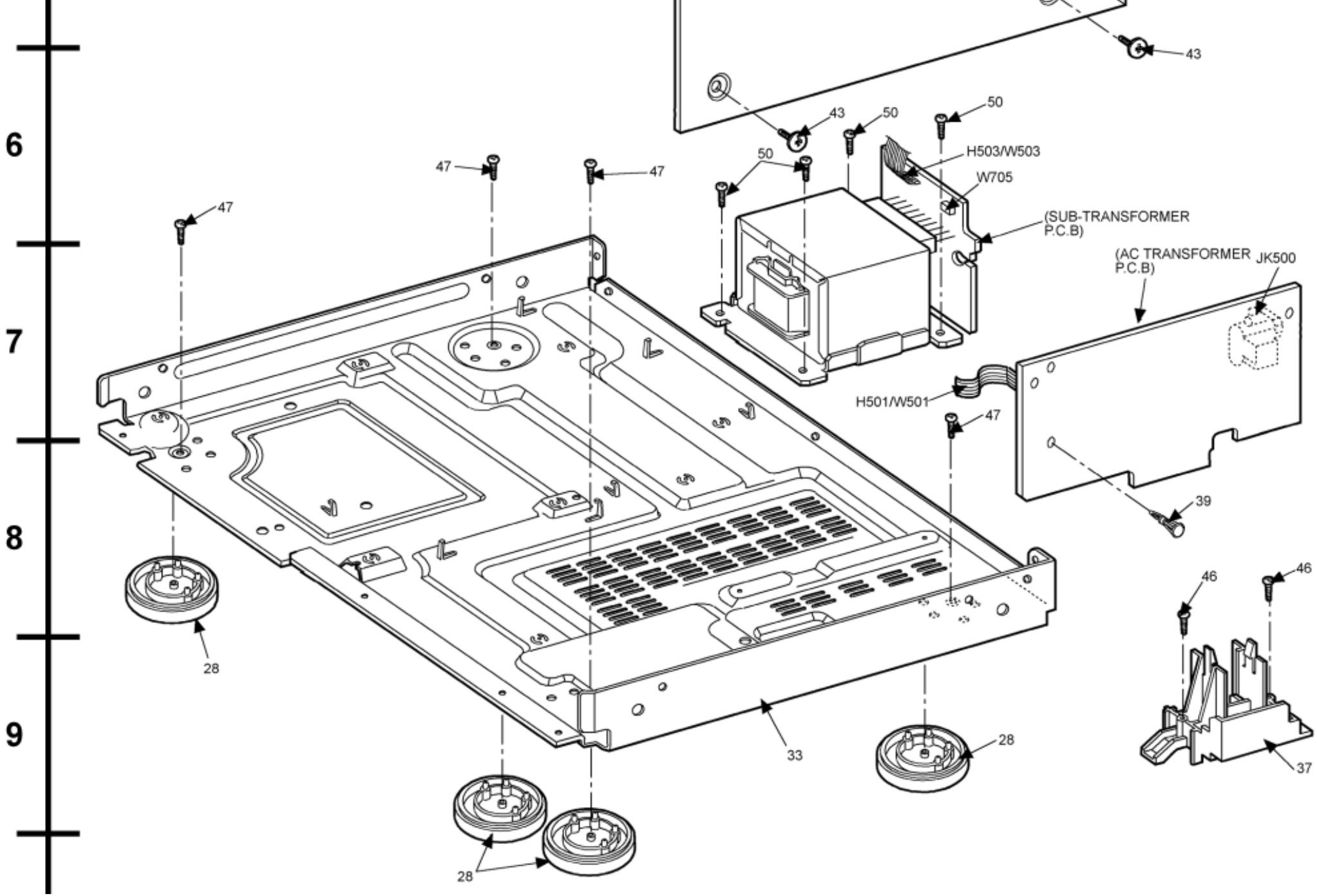
41


6
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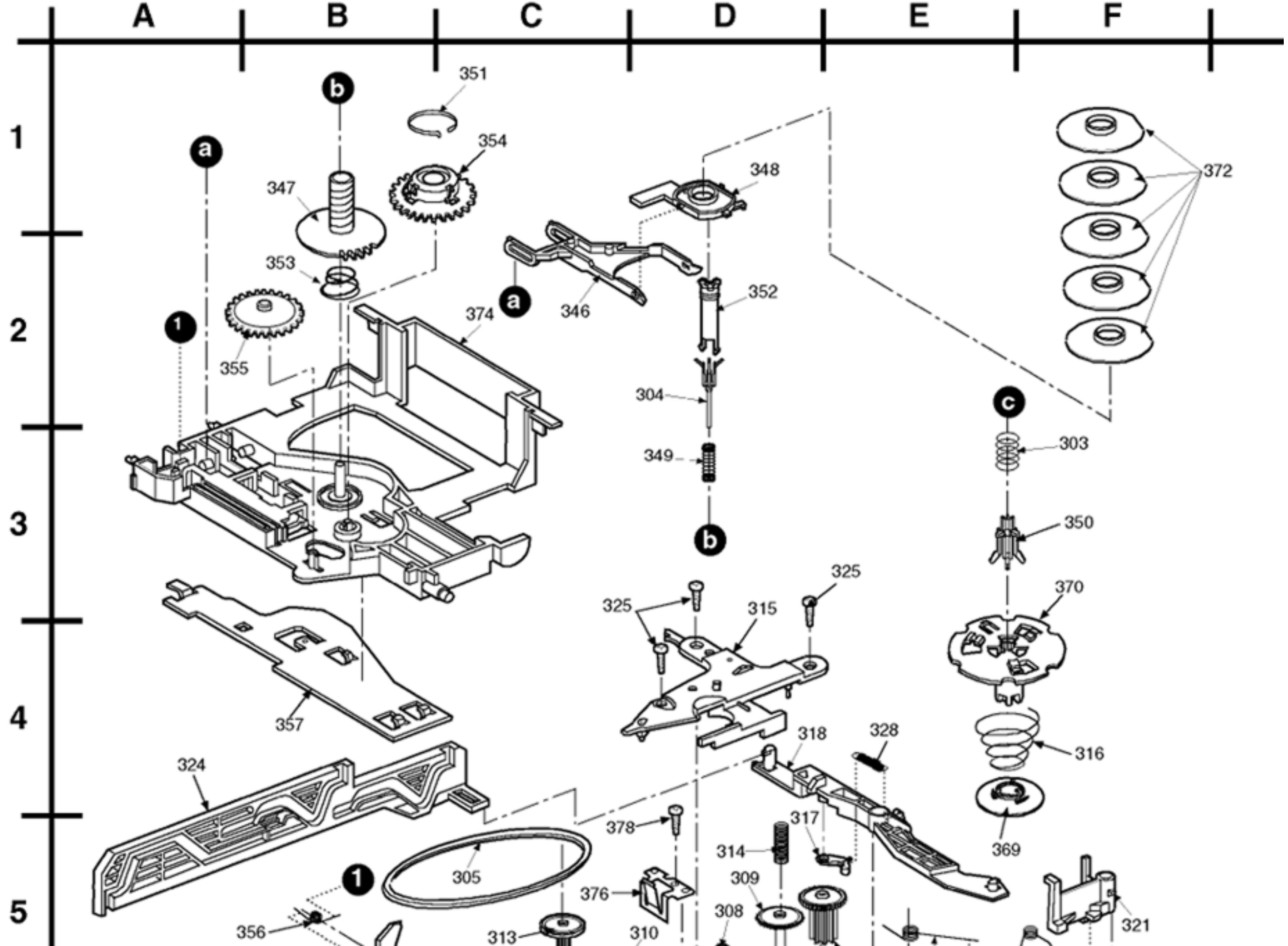
43
43
50
50
50
47
47
47
H503/W503
W705
(SUB-TRANSFORMER P.C.B)
(AC TRANSFORMER P.C.B)
JK500
H501/W501
47
39
46
46
28
28
28
33
37


A
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351
354
347
353
355
374
348
346
352
304
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372
303
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357
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328
317
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308
310
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376
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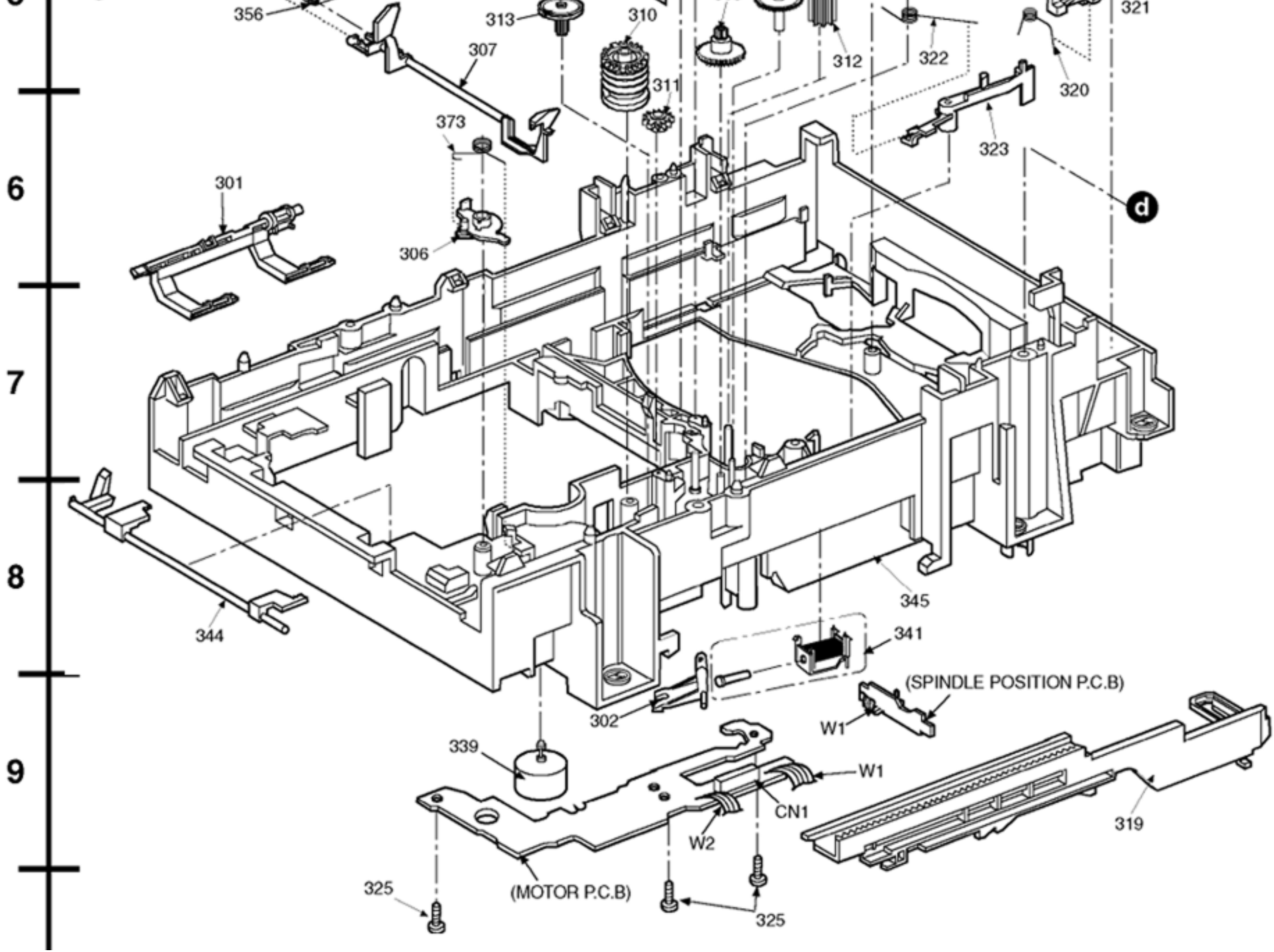
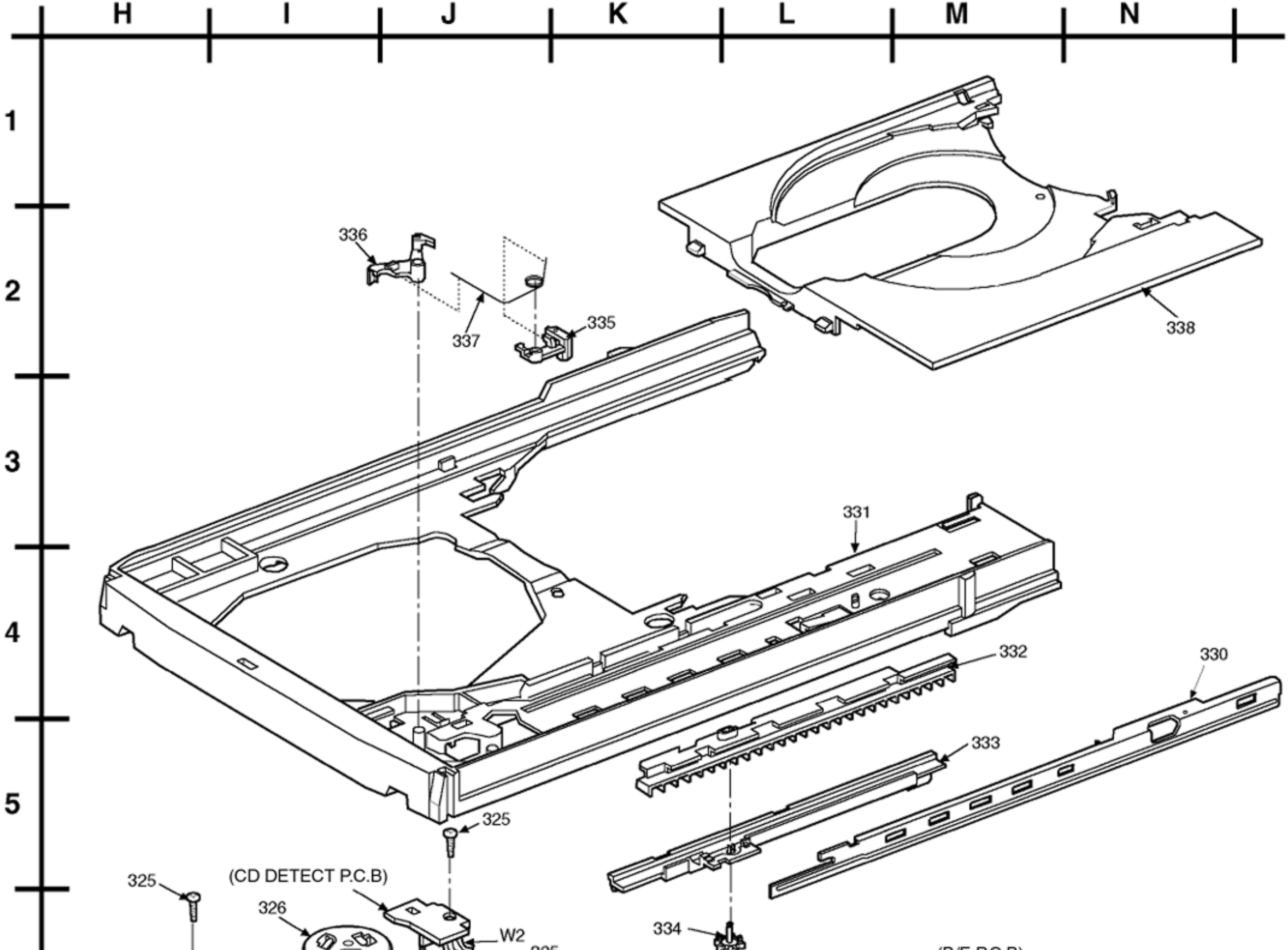
305
356
321


6
7
8
9
d
356
313
310
307
311
312
322
321
320
323
373
301
306
345
344
341
(SPINDLE POSITION P.C.B)
W1
302
339
W1
CN1
W2
319
325
(MOTOR P.C.B)
325


H
I
J
K
L
M
N
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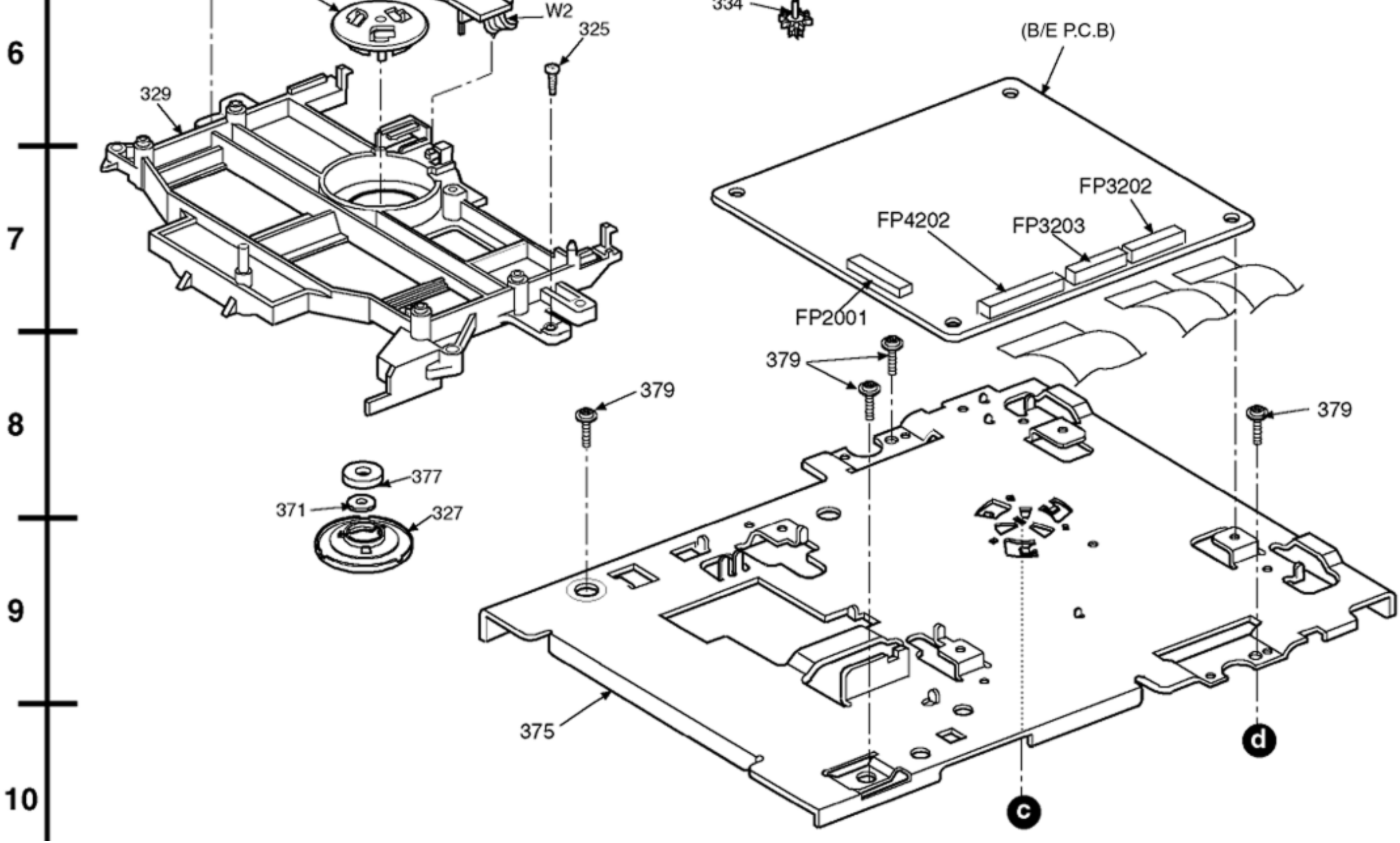
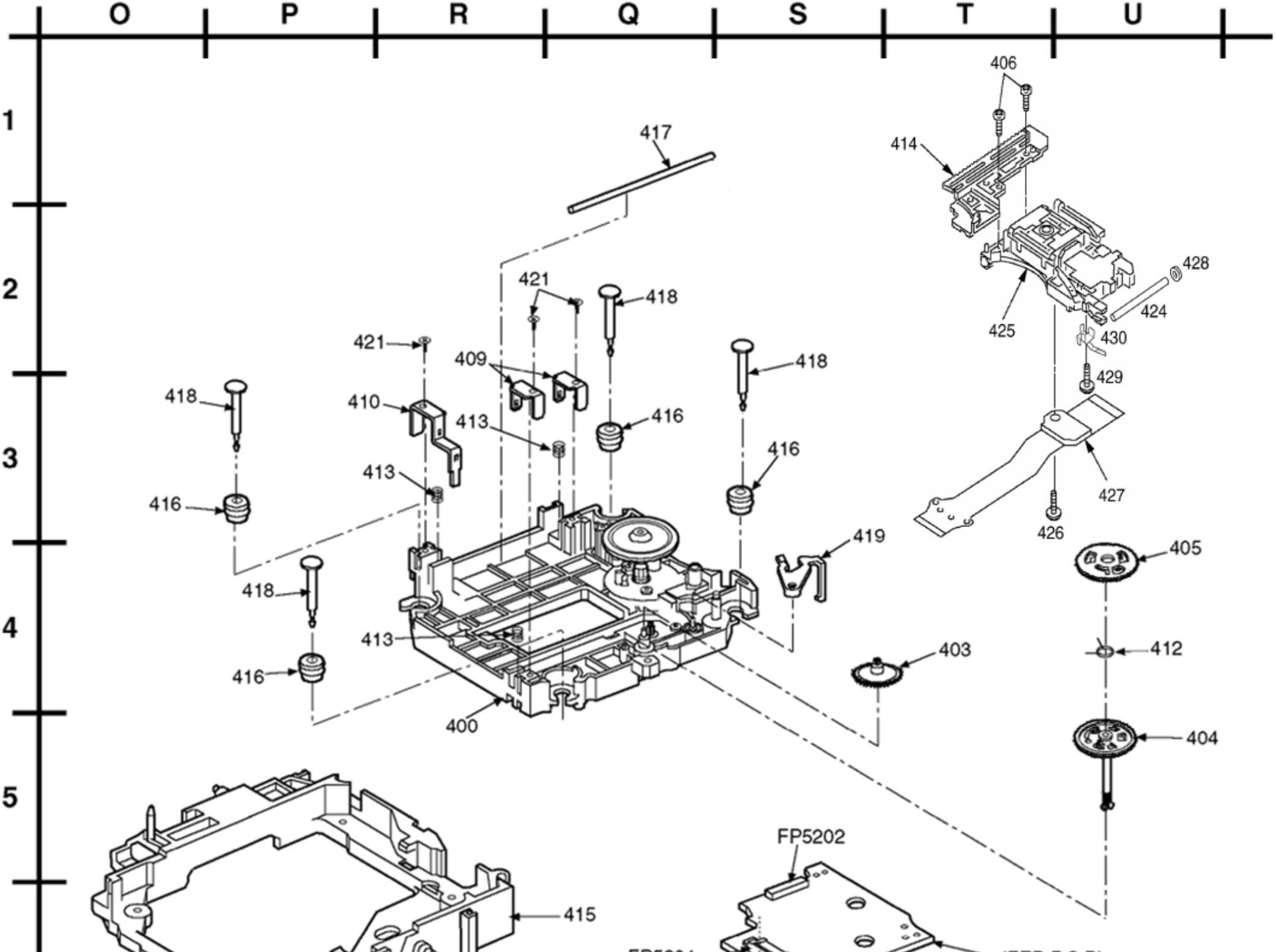
4
5
336
337
335
338
331
332
330
333
325
(CD DETECT P.C.B)
326
W2
334


6
7
8
9
10
W2
325
329
334
(B/E P.C.B)
FP3202
FP4202
FP3203
FP2001
379
379
379
377
371
327
375
c
d


O
P
R
Q
S
T
U
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406
414
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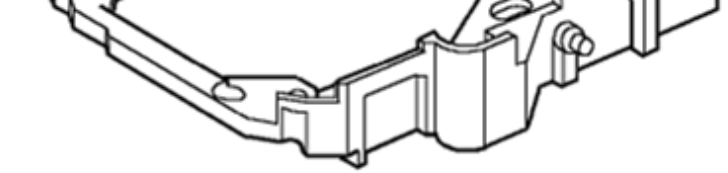
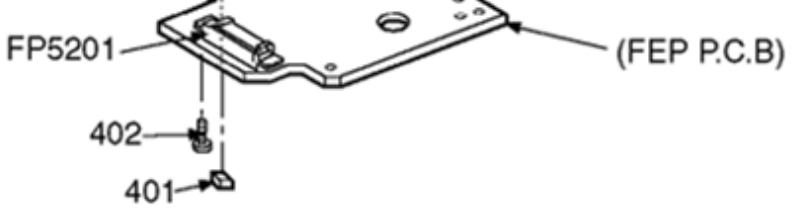
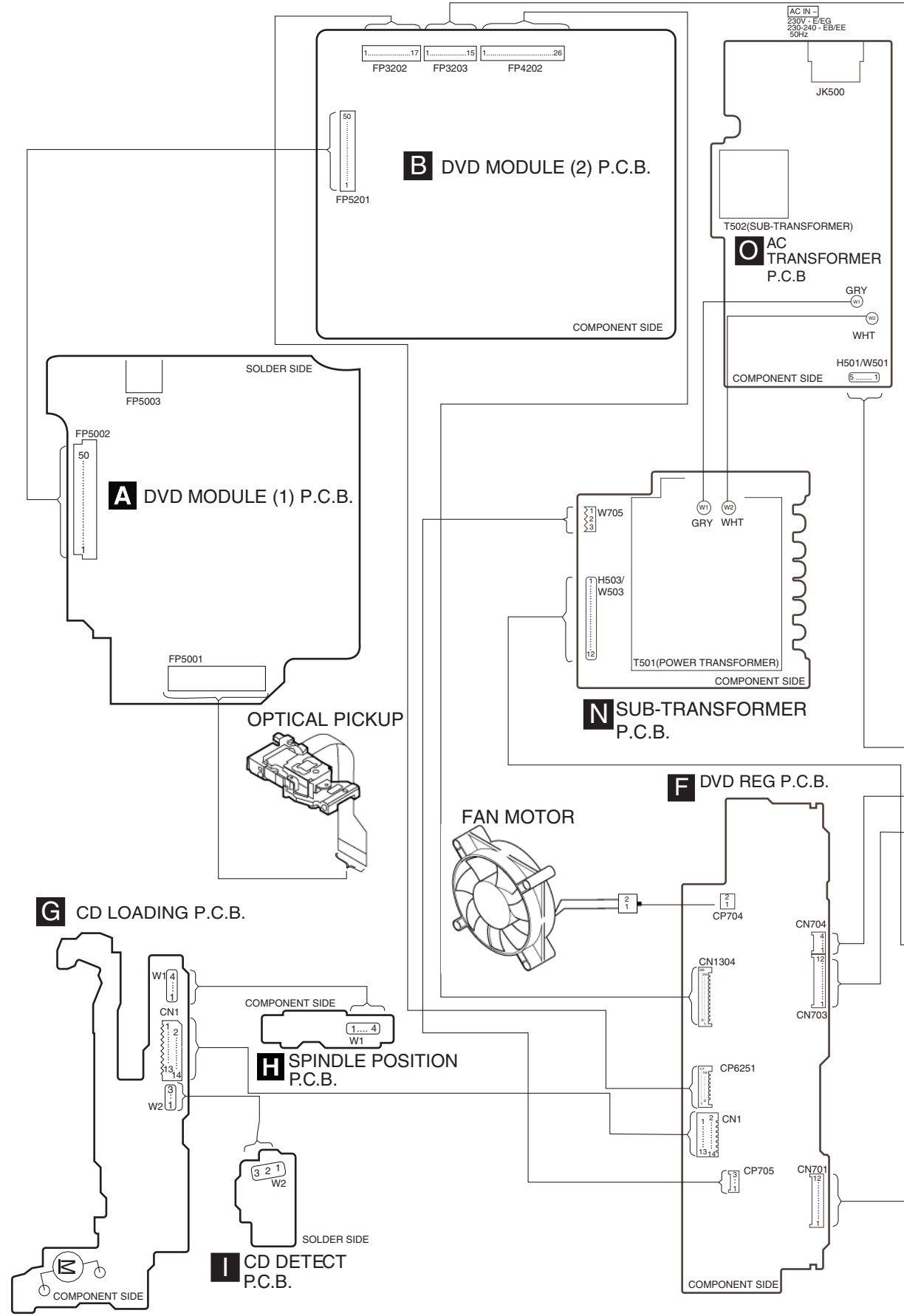
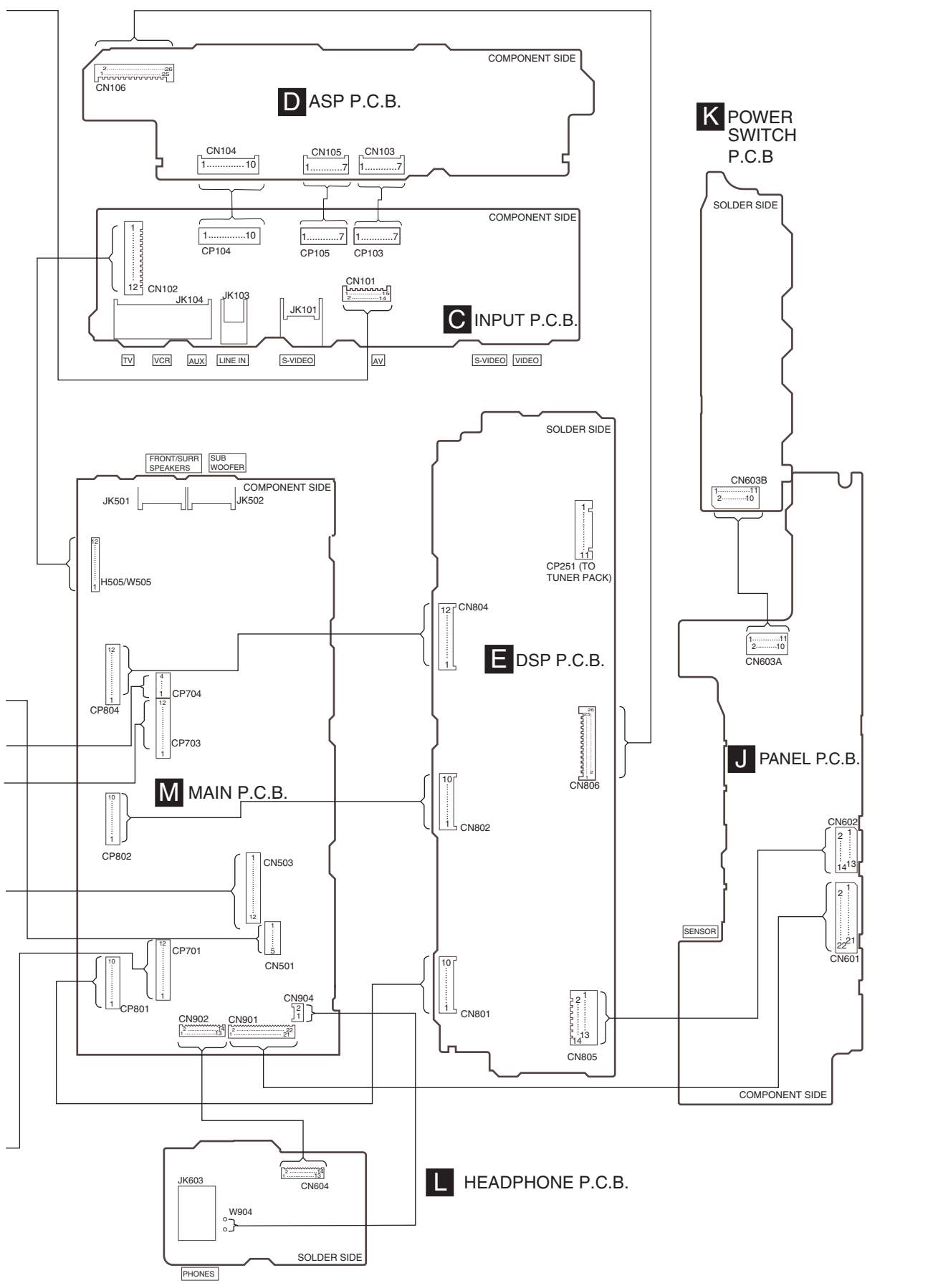
404
400
415
FP5202

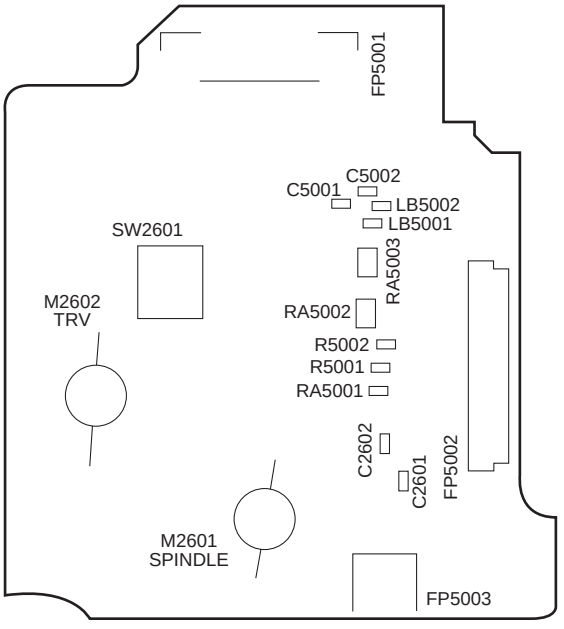



FP5201
(FEP P.C.B)
402
401


AC IN ~
230V - E/EG
230-240 - EB/EE
50Hz
JK500
FP3202
FP3203
FP4202
FP5201
B DVD MODULE (2) P.C.B.
COMPONENT SIDE
T502(SUB-TRANSFORMER)
O AC TRANSFORMER P.C.B
GRY
WHT
H501/W501
COMPONENT SIDE
SOLDER SIDE
FP5003
FP5002
A DVD MODULE (1) P.C.B.
FP5001
W705
H503/W503
GRY
WHT
T501(POWER TRANSFORMER)
COMPONENT SIDE
N SUB-TRANSFORMER P.C.B.
OPTICAL PICKUP
F DVD REG P.C.B.
FAN MOTOR
CP704
CN704
CN1304
CN703
G CD LOADING P.C.B.
W1
CN1
COMPONENT SIDE
W1
H SPINDLE POSITION P.C.B.
CP6251
CN1
W2
CP705
CN701
W2
SOLDER SIDE
I CD DETECT P.C.B.
COMPONENT SIDE
COMPONENT SIDE

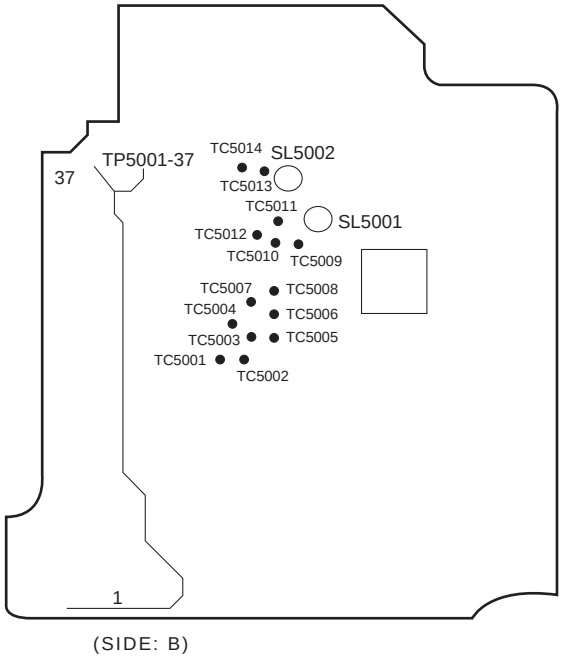

COMPONENT SIDE
CN106
D ASP P.C.B.
CN104
CN105
CN103
CP104
CP105
CP103
CN102
JK104
JK103
JK101
CN101
C INPUT P.C.B.
TV
VCR
AUX
LINE IN
S-VIDEO
AV
S-VIDEO
VIDEO
K POWER SWITCH P.C.B
SOLDER SIDE
CN603B
CN603A
FRONT/SURR SPEAKERS
SUB WOOFER
COMPONENT SIDE
JK501
JK502
H505/W505
SOLDER SIDE
CP251 (TO TUNER PACK)
CN804
E DSP P.C.B.
CP804
CP704
CP703
CN806
J PANEL P.C.B.
M MAIN P.C.B.
CP802
CN802
CN602
CN503
CN501
SENSOR
CP701
CP801
CN904
CN902
CN901
CN801
CN805
CN601
COMPONENT SIDE
JK603
CN604
W904
L HEADPHONE P.C.B.
SOLDER SIDE
PHONES

A DVD Module (1) P.C.B. (REP3382A-N)



(SIDE: A)

A DVD Module (1) P.C.B. (REP3382A-N)

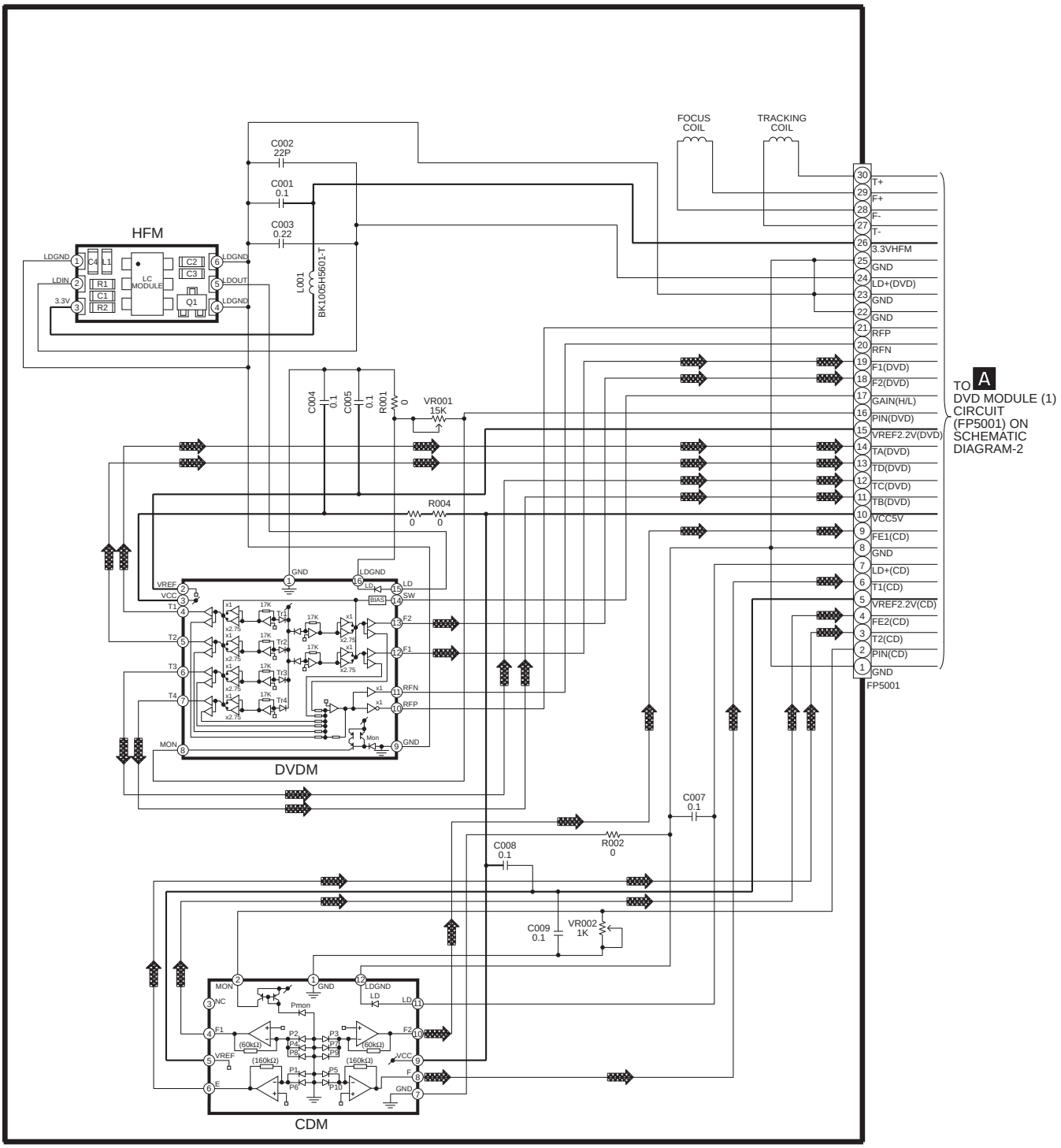


(SIDE: B)

SCHEMATIC DIAGRAM - 1

—— : +B SIGNAL LINE ▰▰▰ : CD-DA SIGNAL LINE

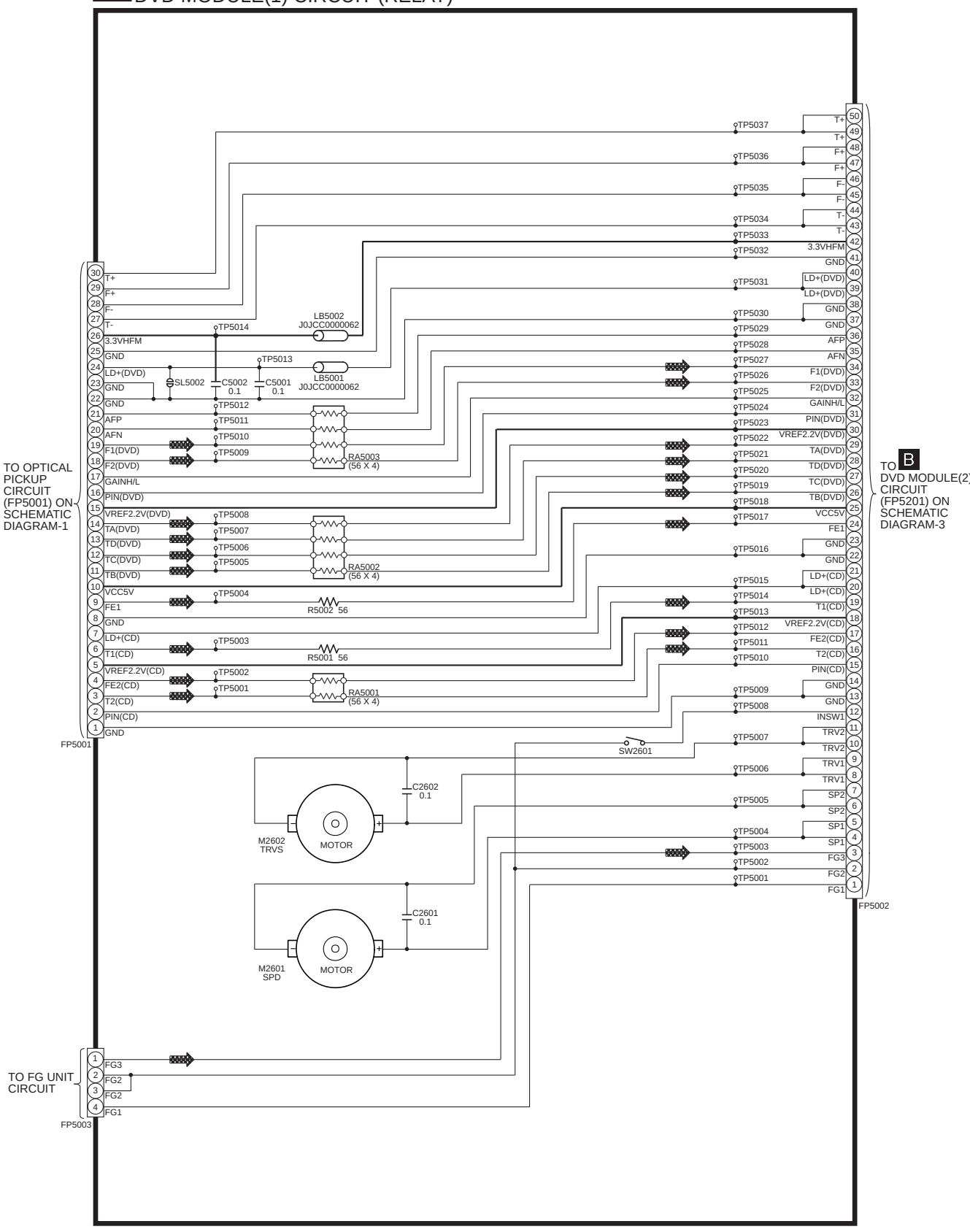
OPTICAL PICKUP UNIT



SCHEMATIC DIAGRAM - 2

—— : +B SIGNAL LINE ⇒ : CD-DA SIGNAL LINE

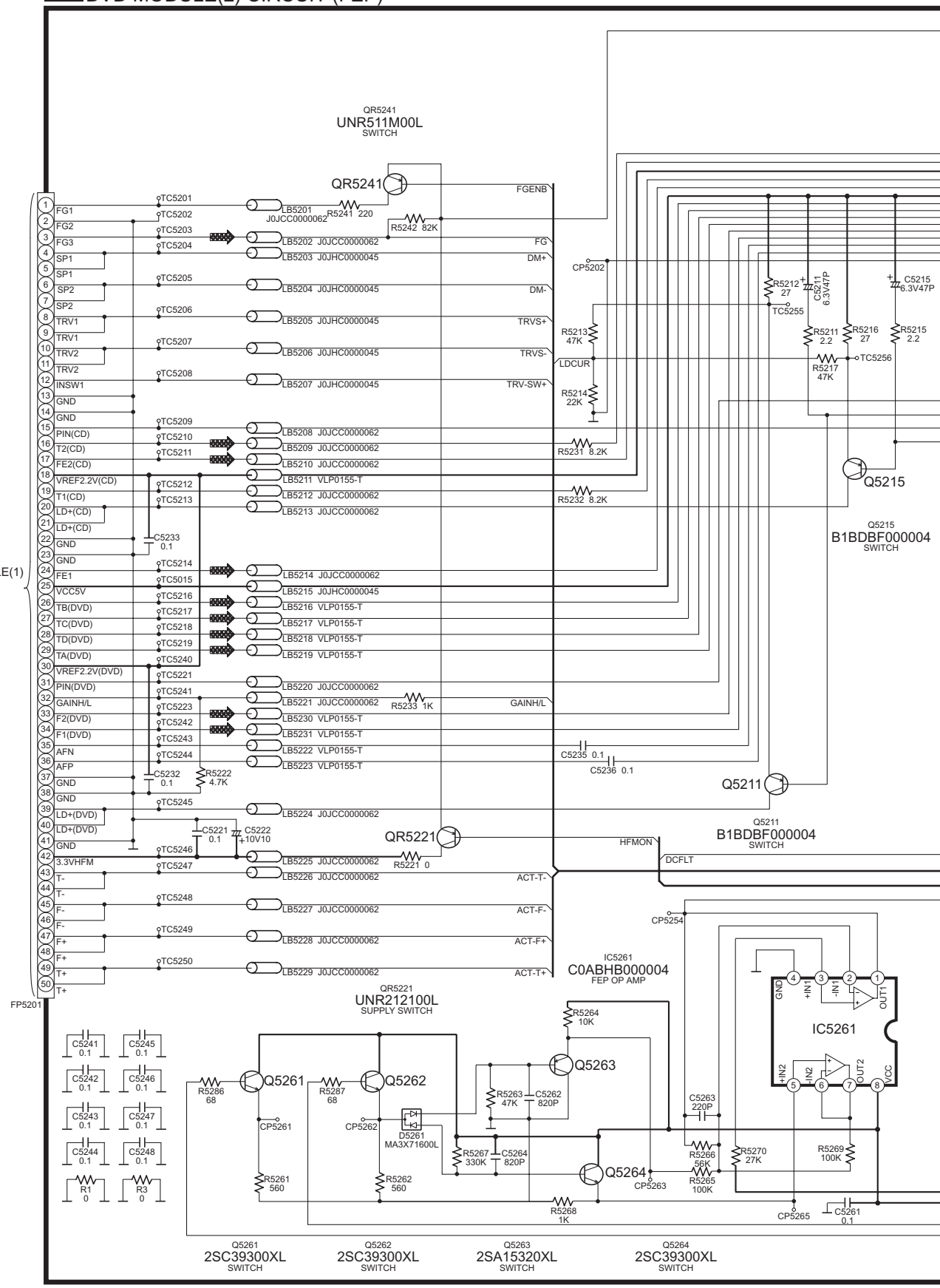
A DVD MODULE(1) CIRCUIT (RELAY)



SCHEMATIC DIAGRAM - 3

—— : +B SIGNAL LINE ⇒ : CD-DA SIGNAL LINE

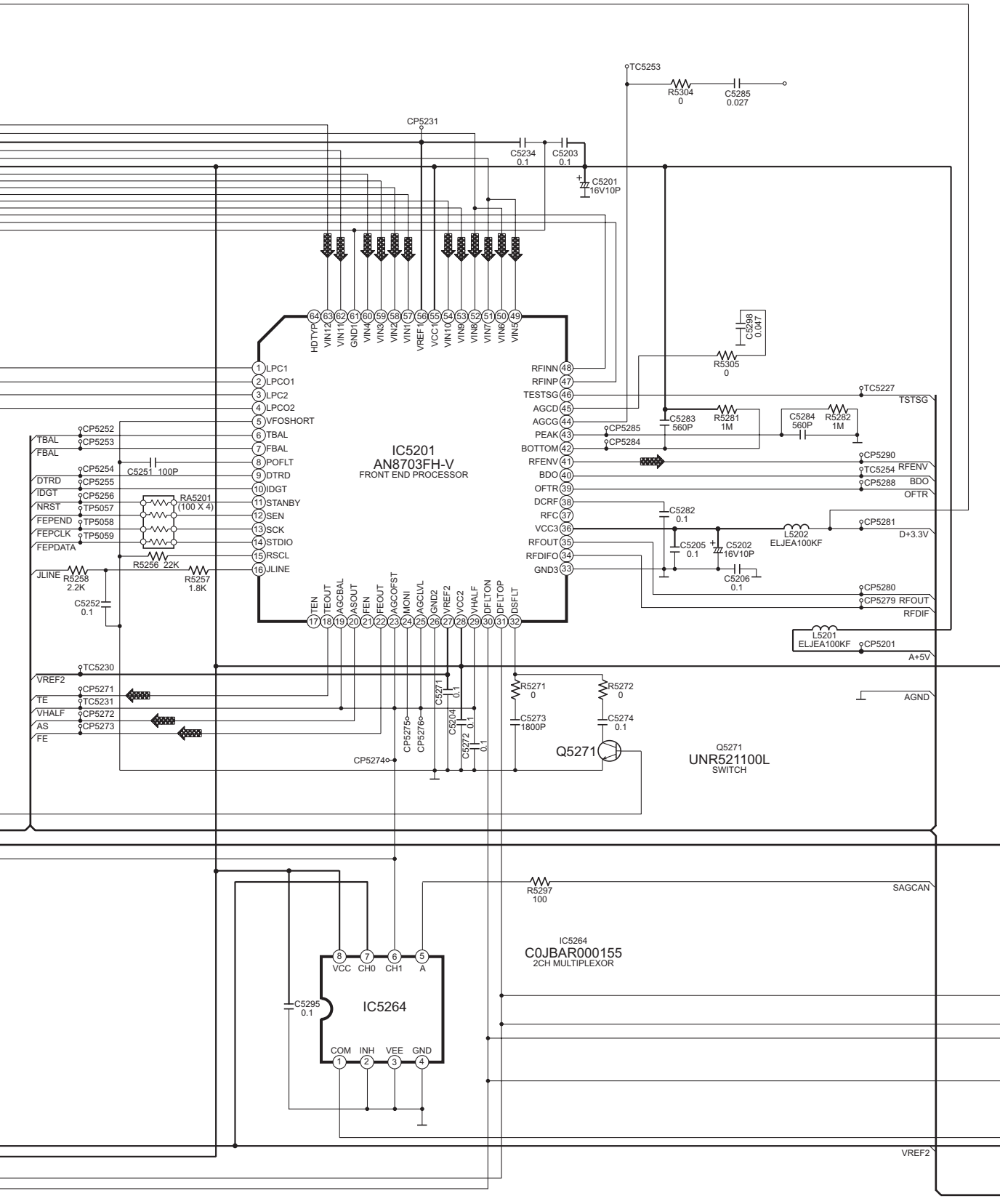
B DVD MODULE(2) CIRCUIT (FEP)



SCHEMATIC DIAGRAM - 4

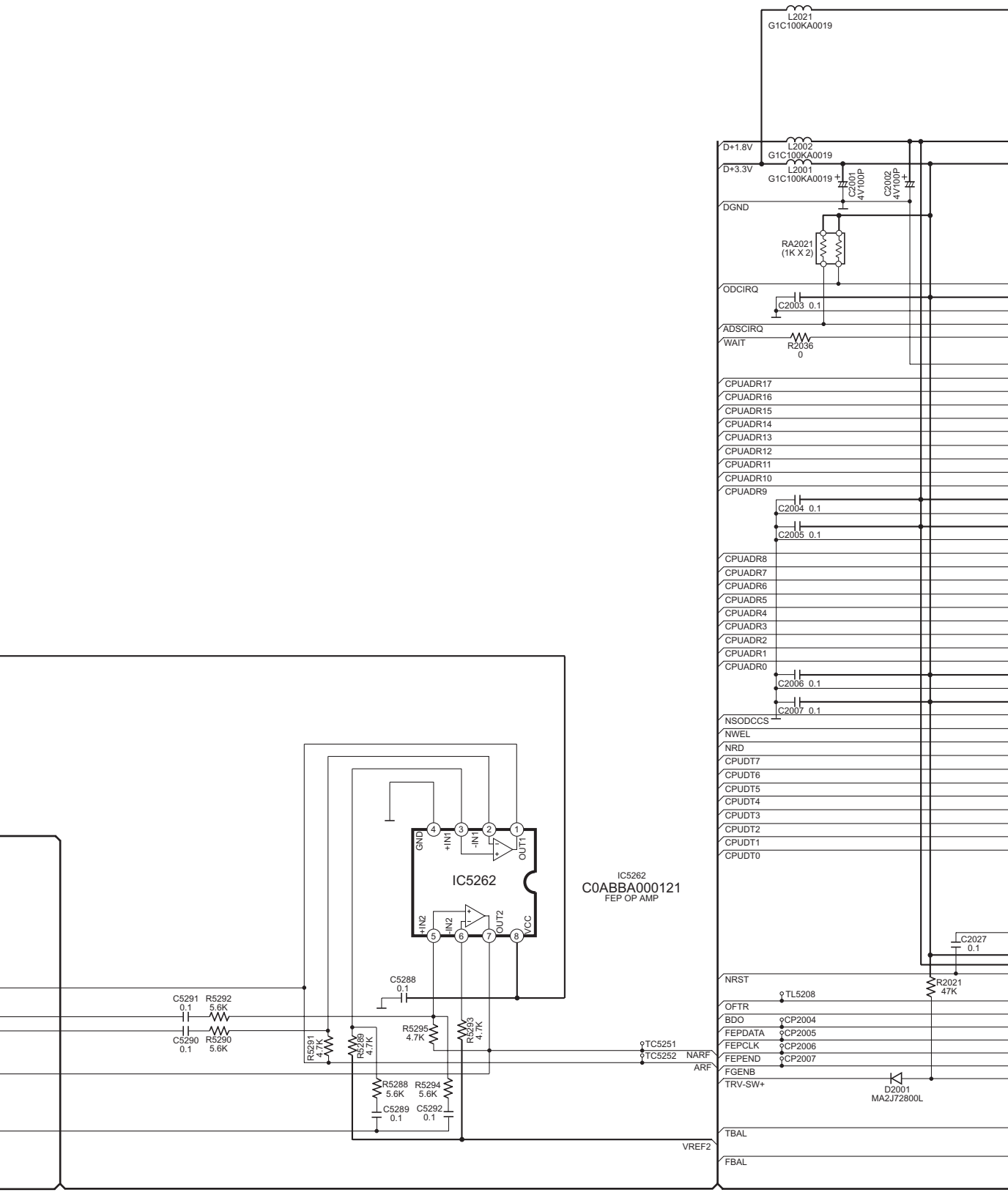
B DVD MODULE(2) CIRCUIT (FEP)

—— : +B SIGNAL LINE ⇒ : CD-DA SIGNAL LINE



: +B SIGNAL LINE

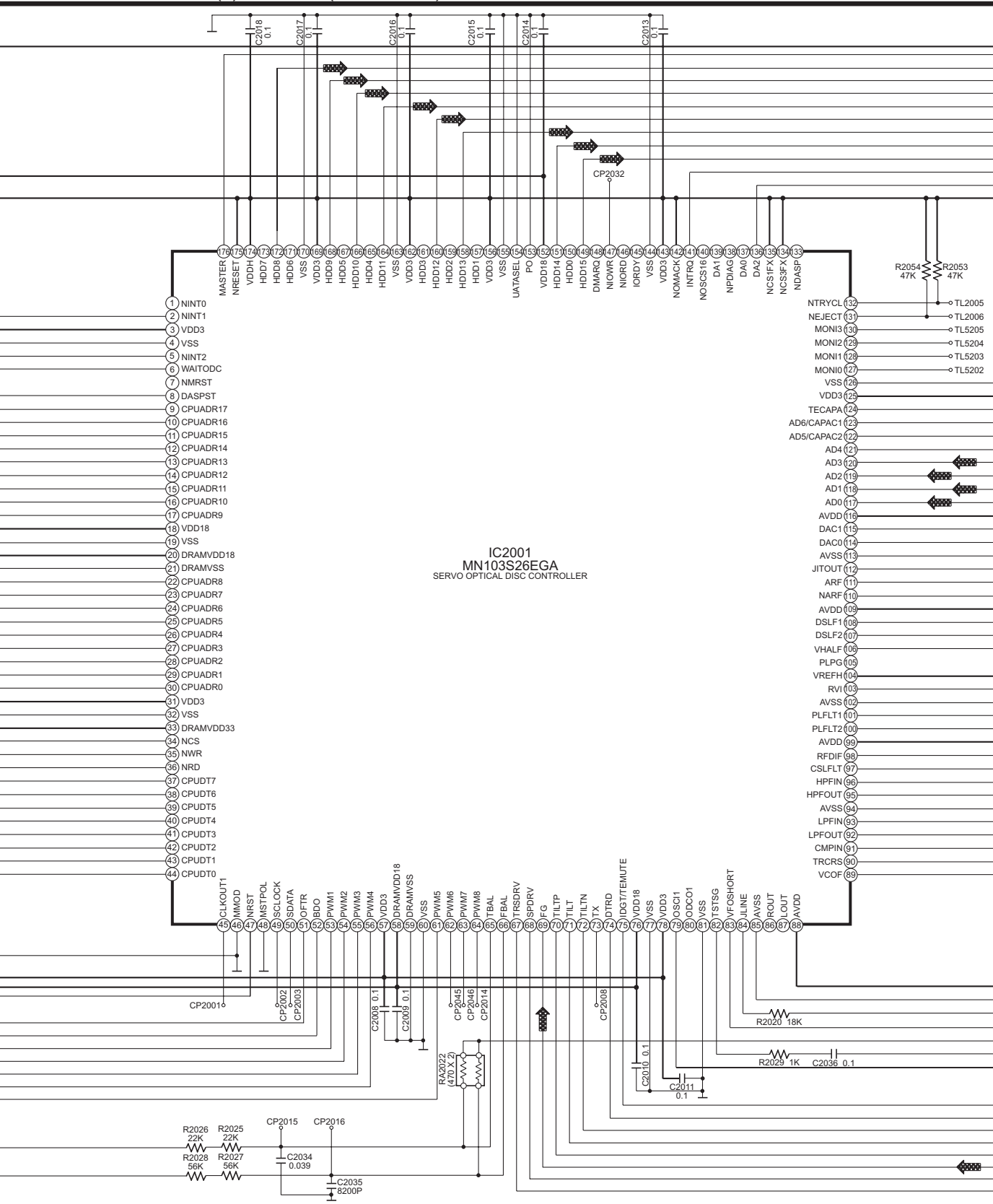
B DVD MODULE(2) CIRCUIT (FEP)



SCHEMATIC DIAGRAM - 6

—— : +B SIGNAL LINE ⇒ : CD-DA SIGNAL LINE

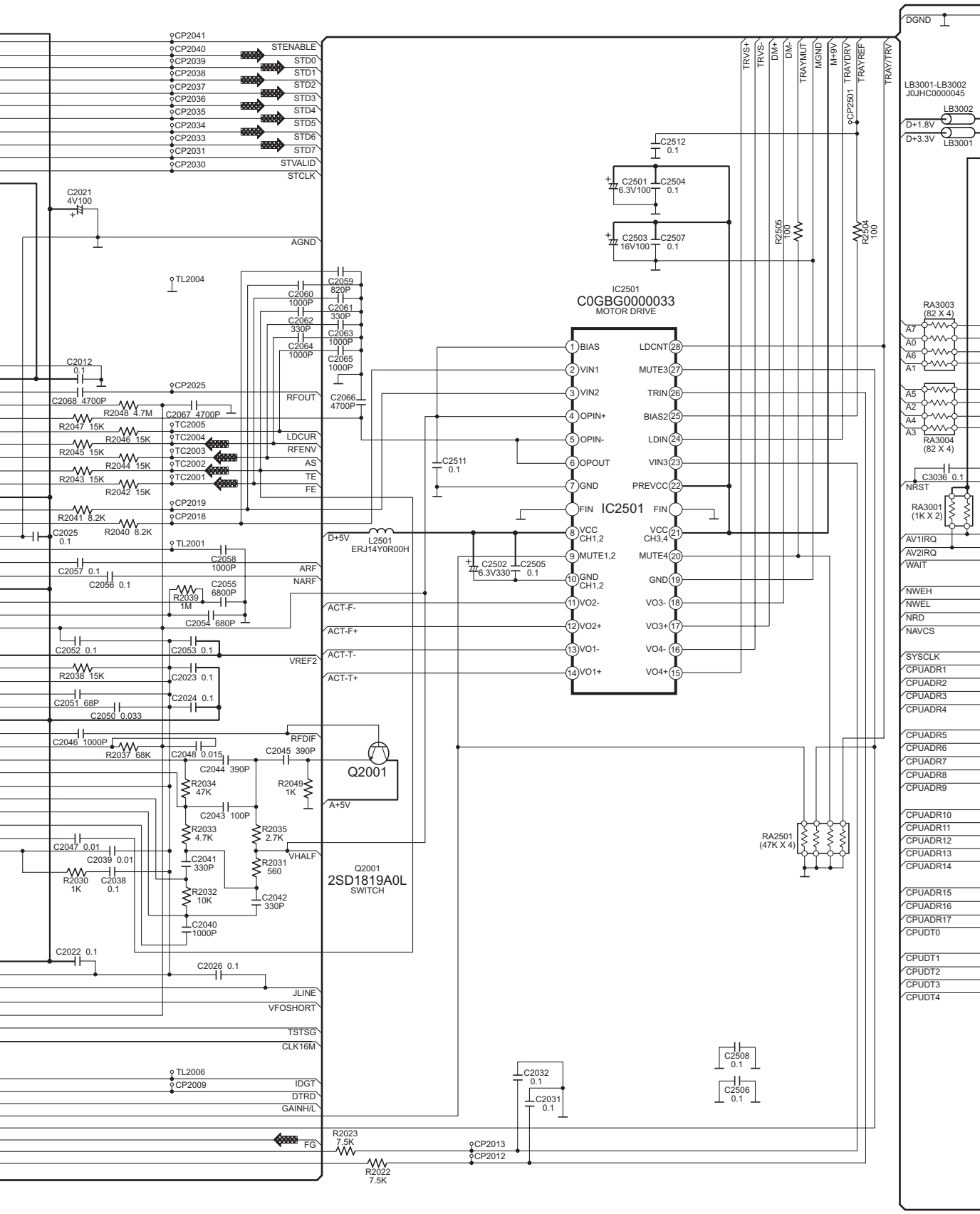
B DVD MODULE(2) CIRCUIT (SODC/DRV)



SCHEMATIC DIAGRAM - 7

: +B SIGNAL LINE : CD-DA SIGNAL LINE

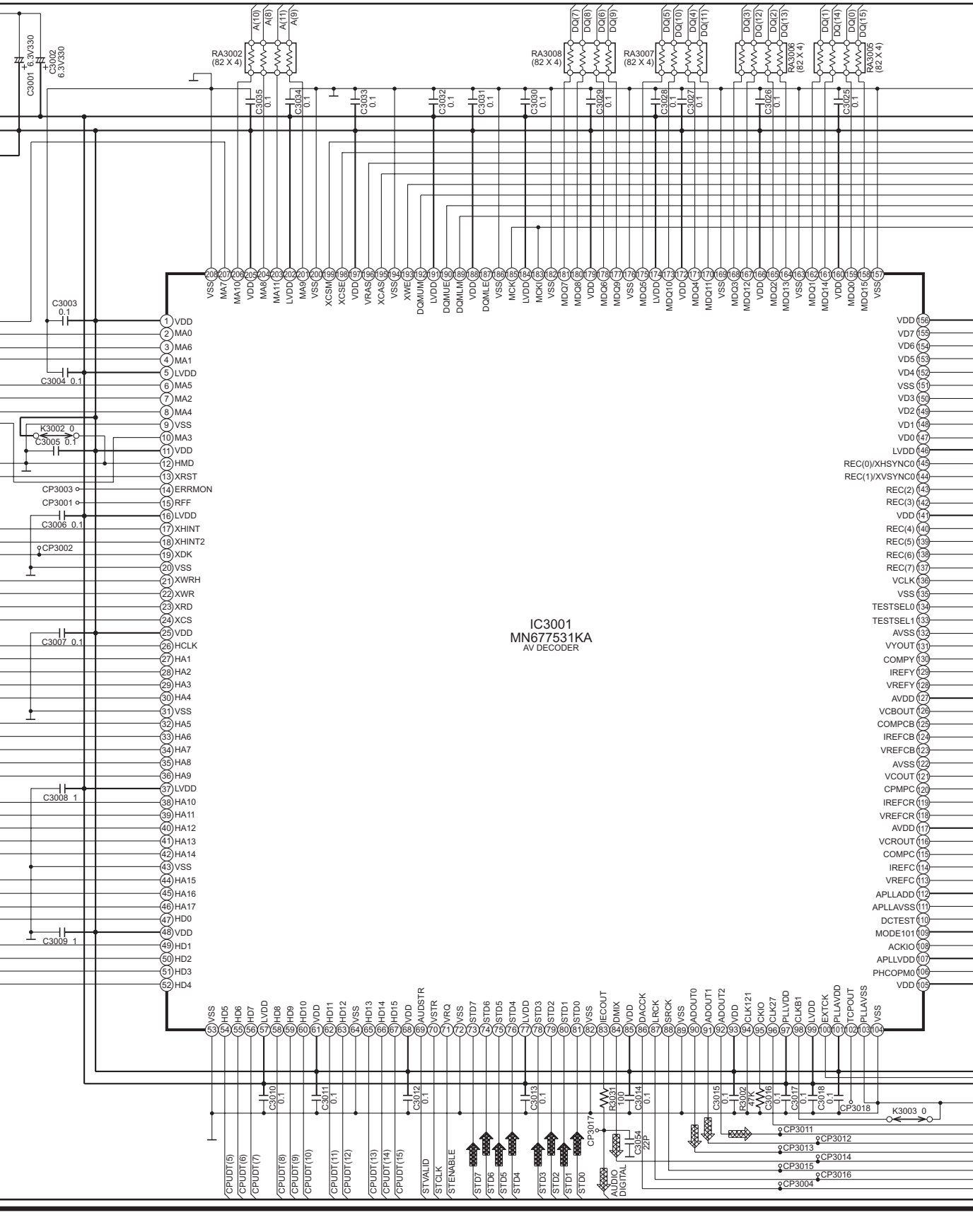
B DVD MODULE(2) CIRCUIT (SODC/DRV)



SCHEMATIC DIAGRAM - 8

—— : +B SIGNAL LINE : CD-DA SIGNAL LINE : DVD AUDIO SIGNAL LINE

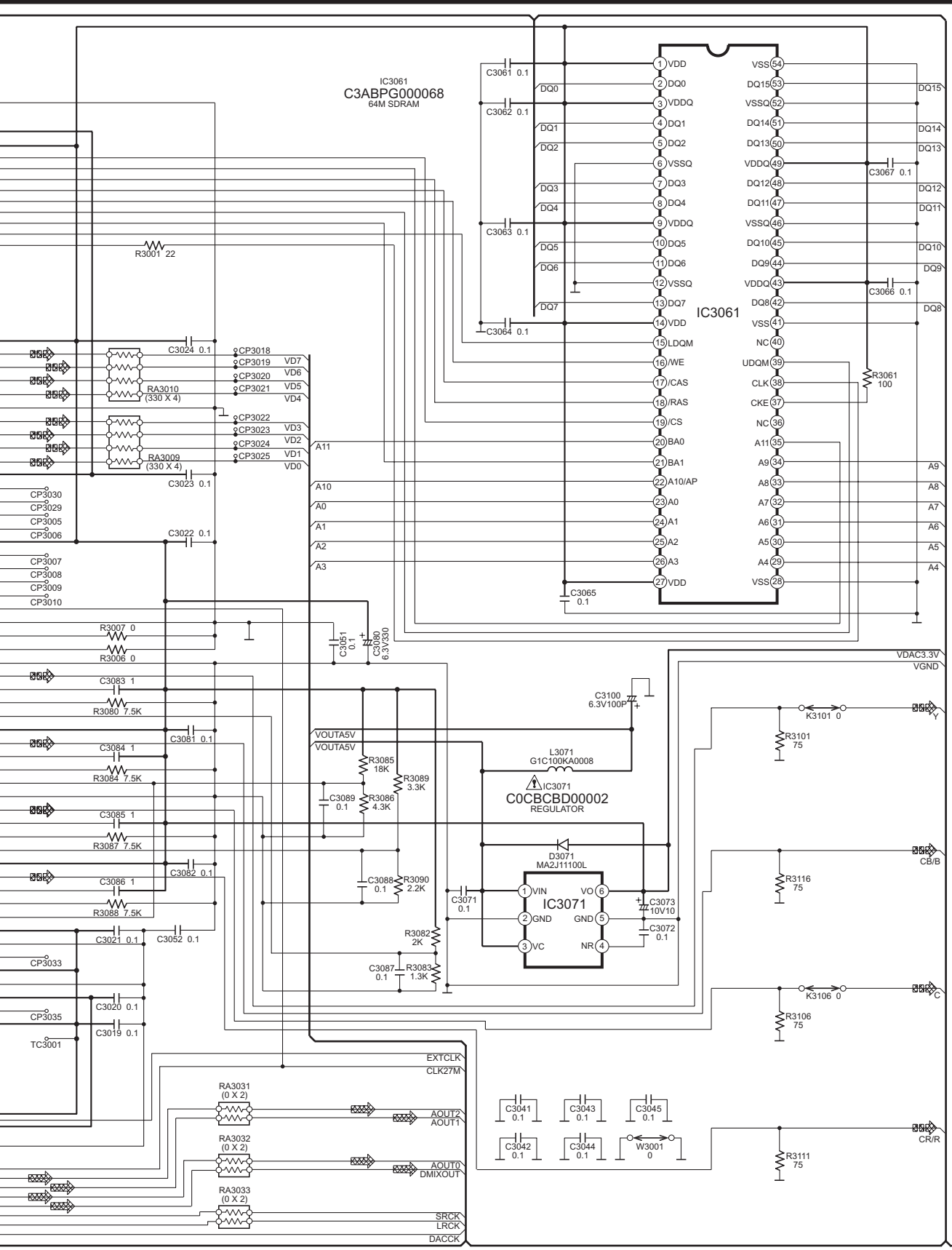
B DVD MODULE(2) CIRCUIT (AVDEC)



SCHEMATIC DIAGRAM - 9

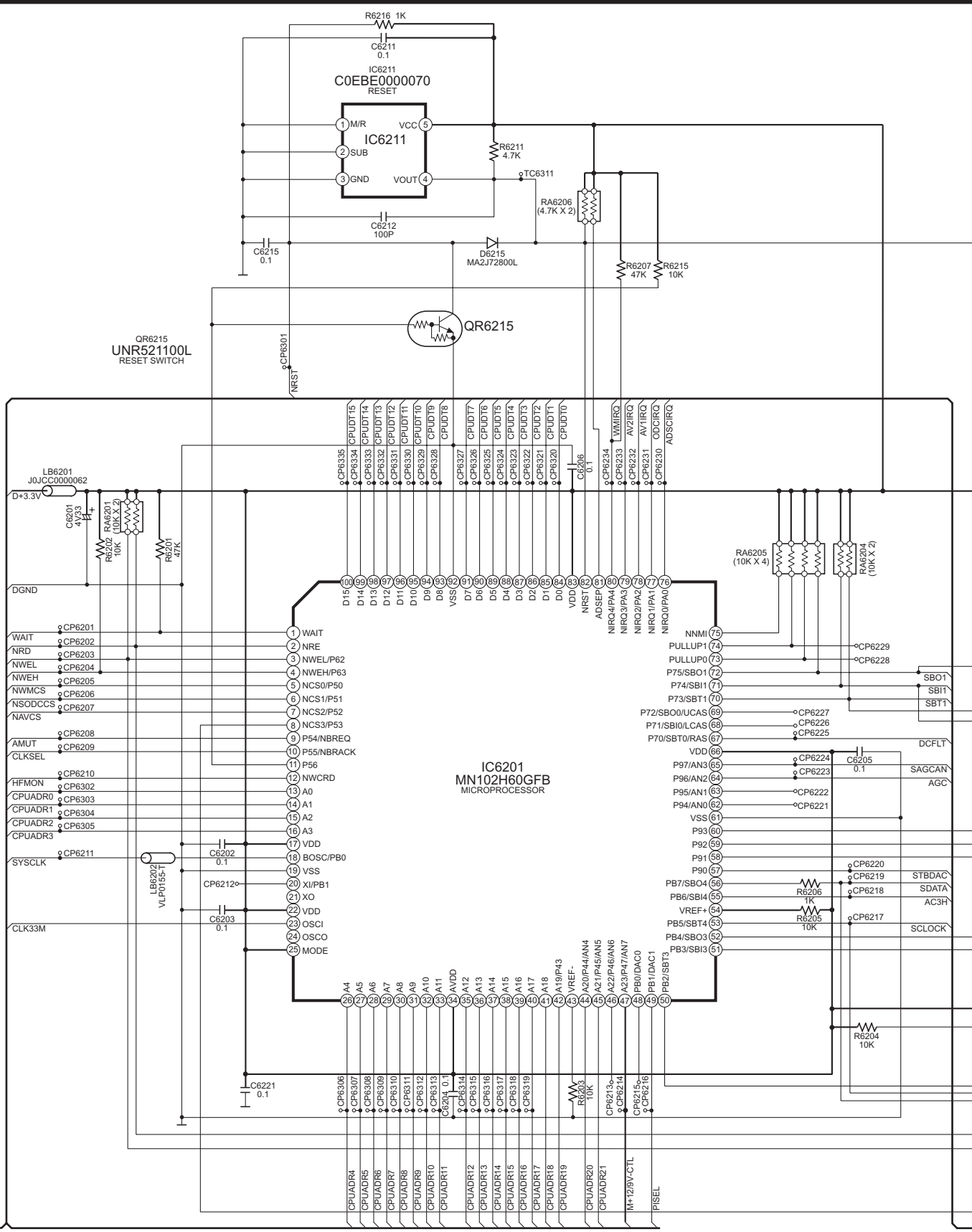
: +B SIGNAL LINE : DVD VIDEO SIGNAL LINE : DVD AUDIO SIGNAL LINE

B DVD MODULE(2) CIRCUIT (AVDEC)



: +B SIGNAL LINE

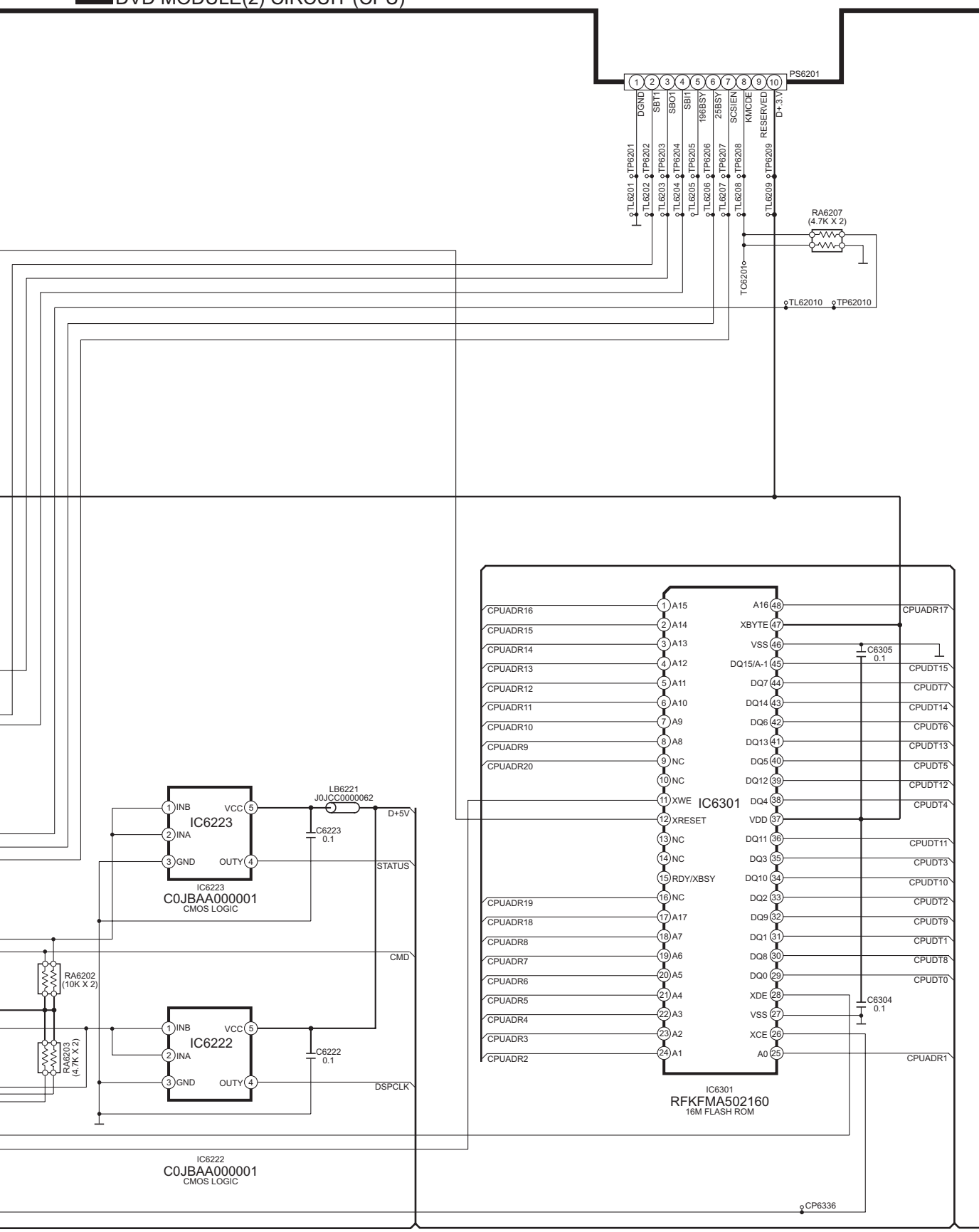
B DVD MODULE(2) CIRCUIT (CPU)



SCHEMATIC DIAGRAM - 11

B : +B SIGNAL LINE

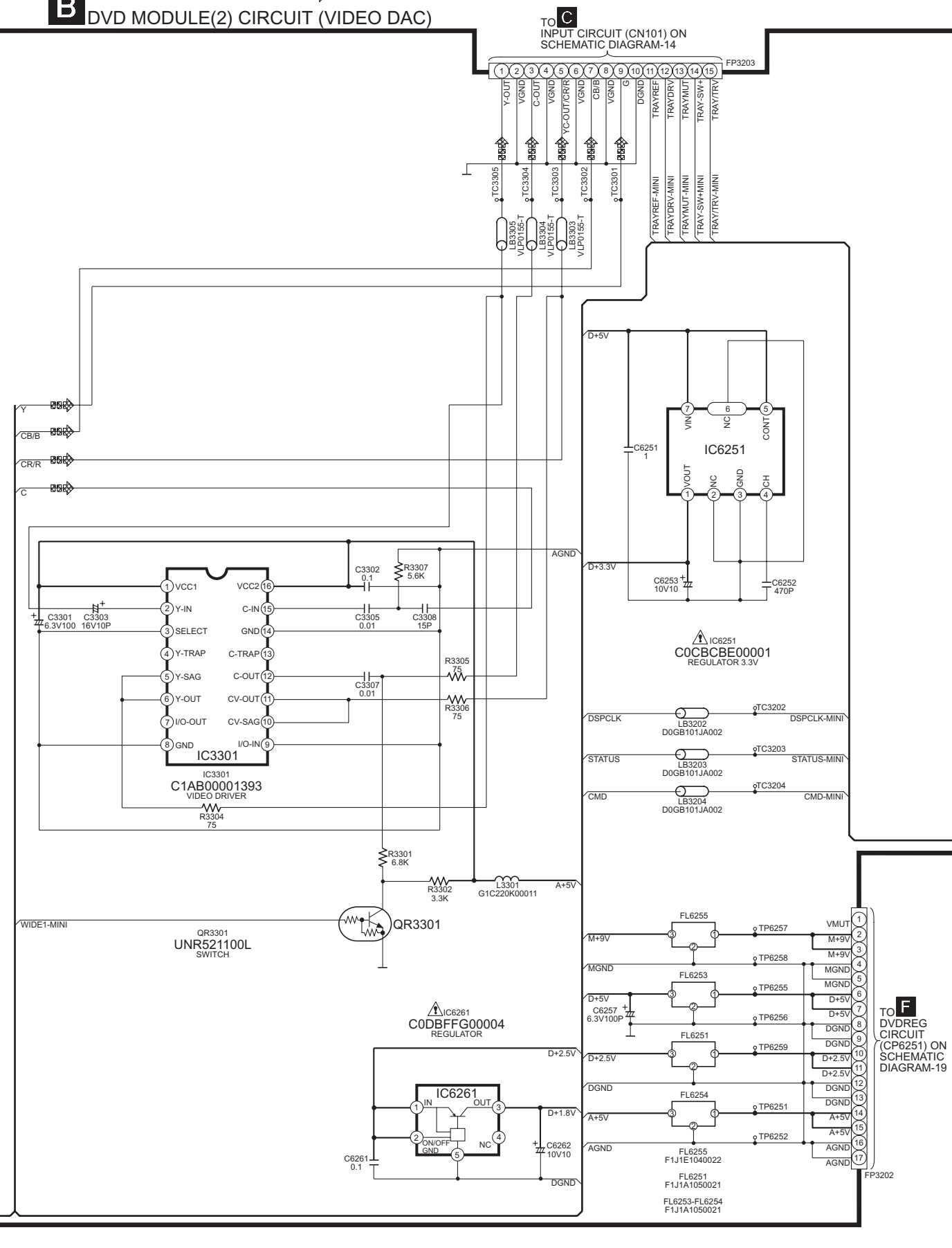
DVD MODULE(2) CIRCUIT (CPU)



SCHEMATIC DIAGRAM - 12

: +B SIGNAL LINE : DVD VIDEO SIGNAL LINE

B DVD MODULE(2) CIRCUIT (VIDEO DAC)

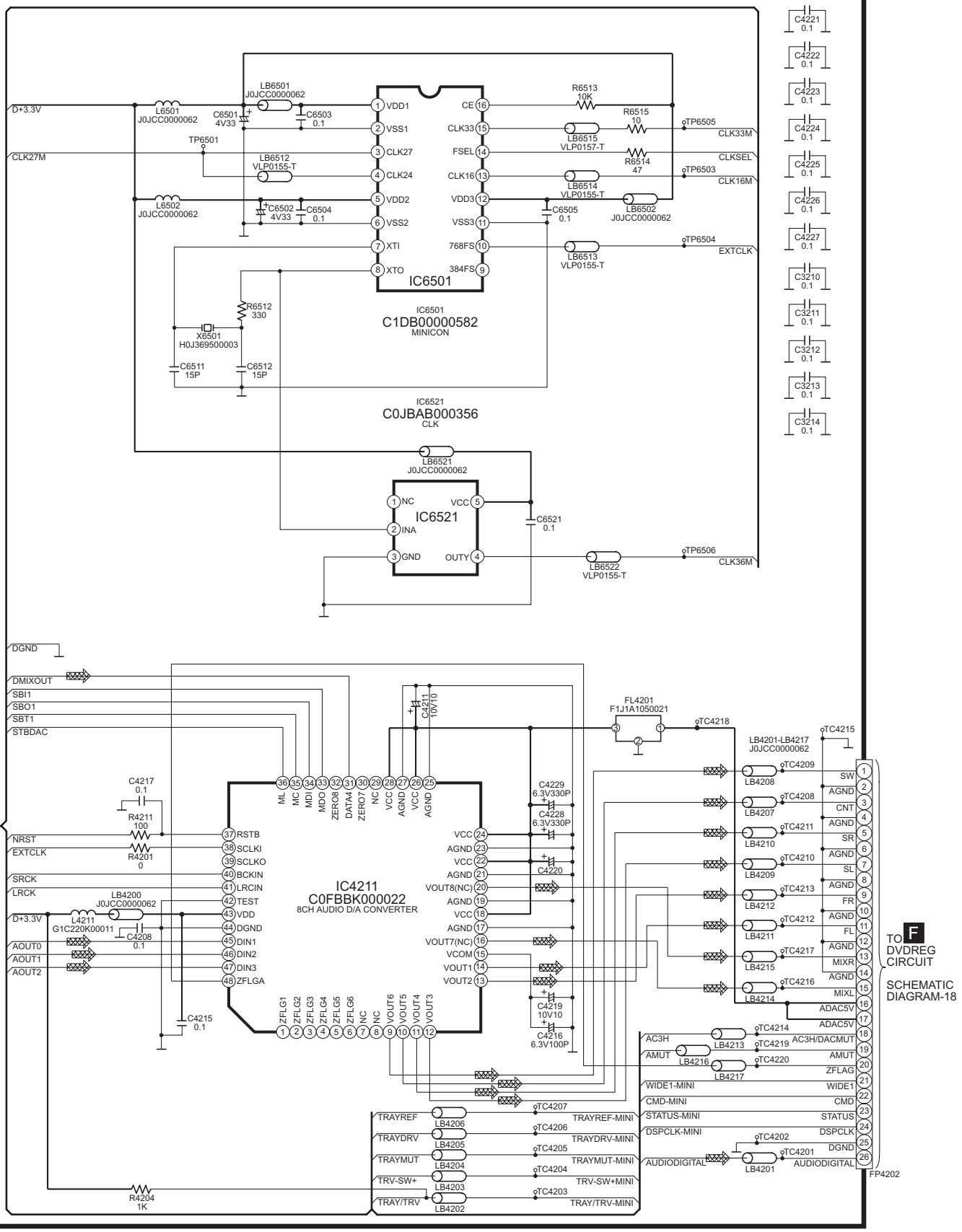


SCHEMATIC DIAGRAM - 13

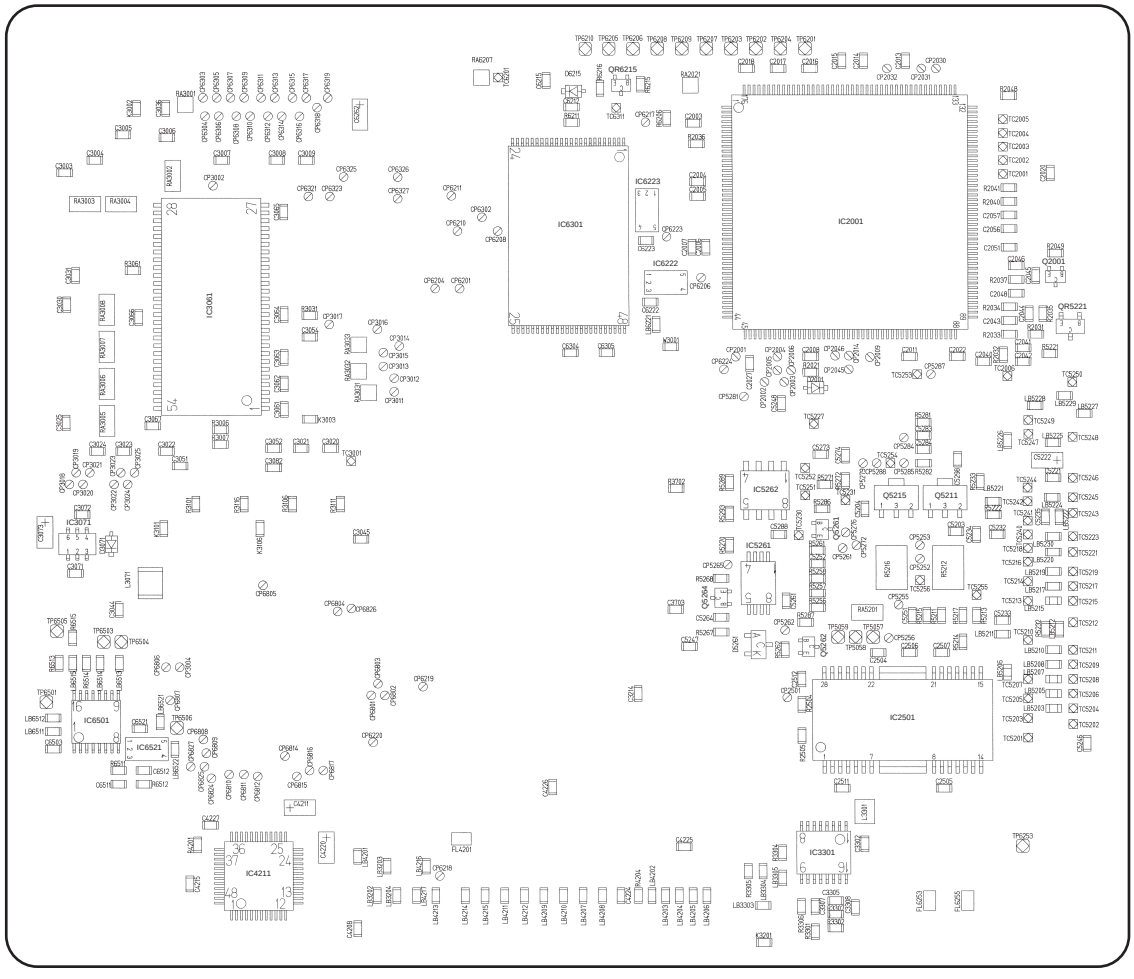
B

—— : +B SIGNAL LINE : DVD AUDIO SIGNAL LINE

DVD MODULE(2) CIRCUIT (AUDIO DAC)



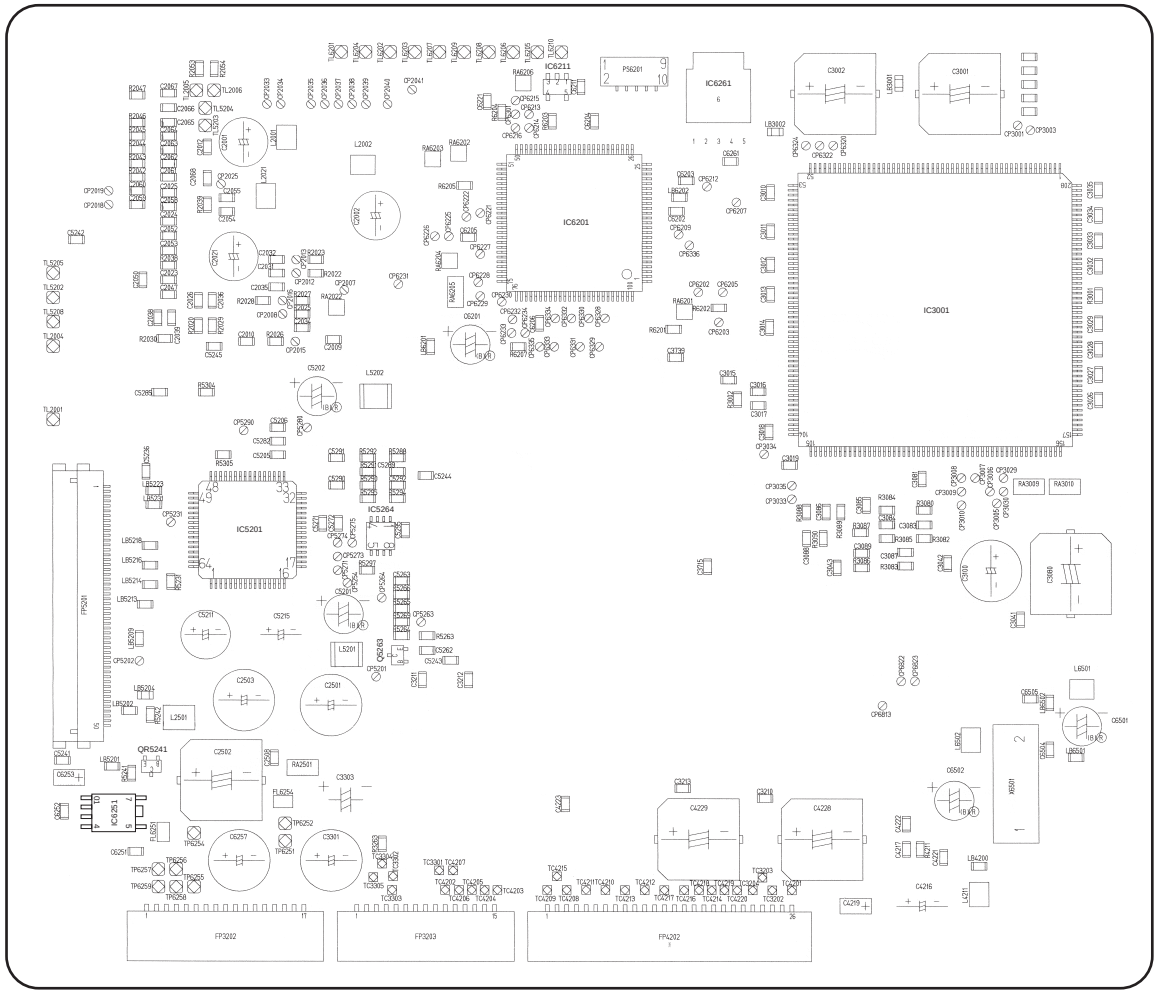
B DVD MODULE (2) (Side: A) P.C.B. (REP3380C)

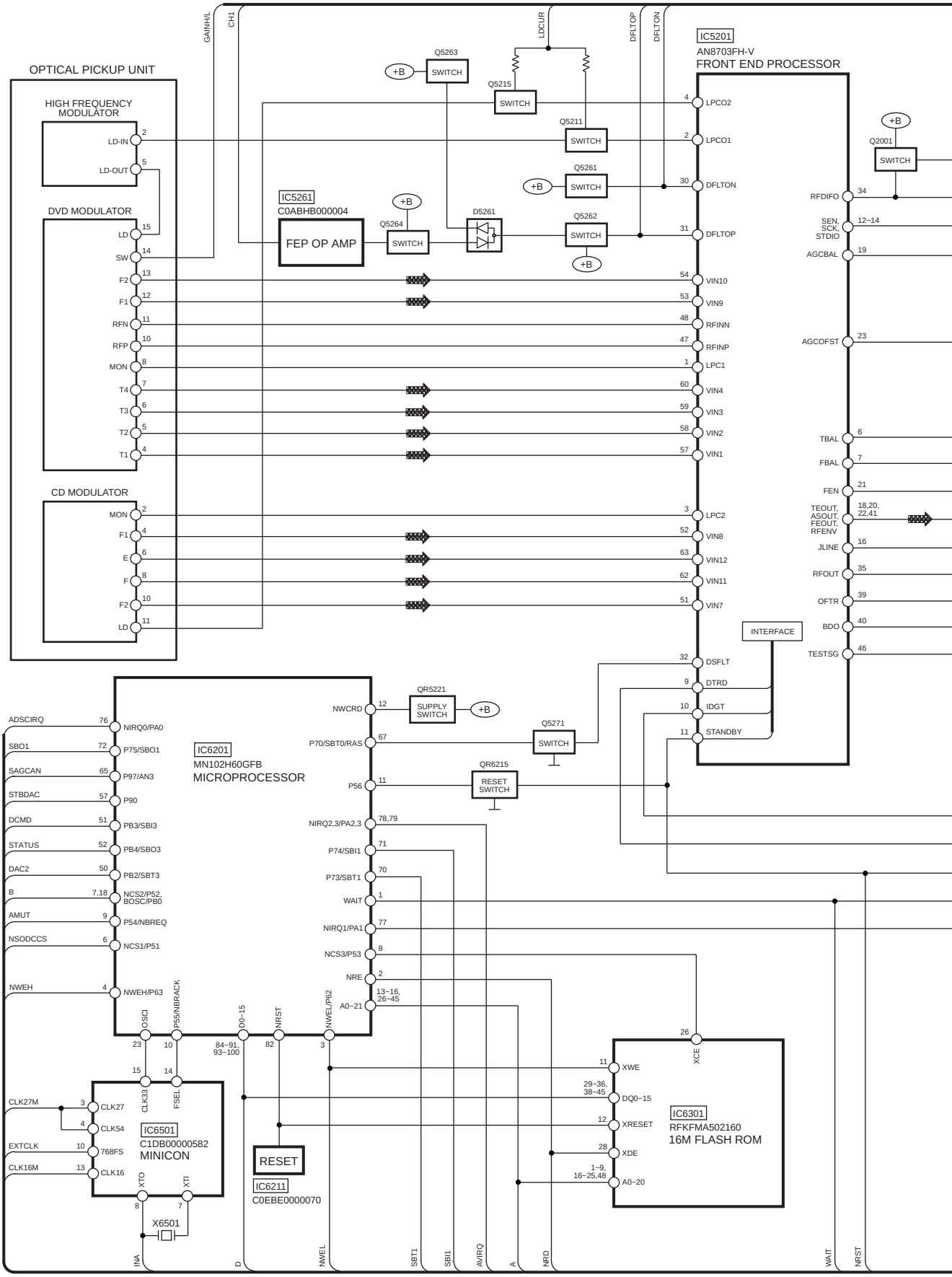


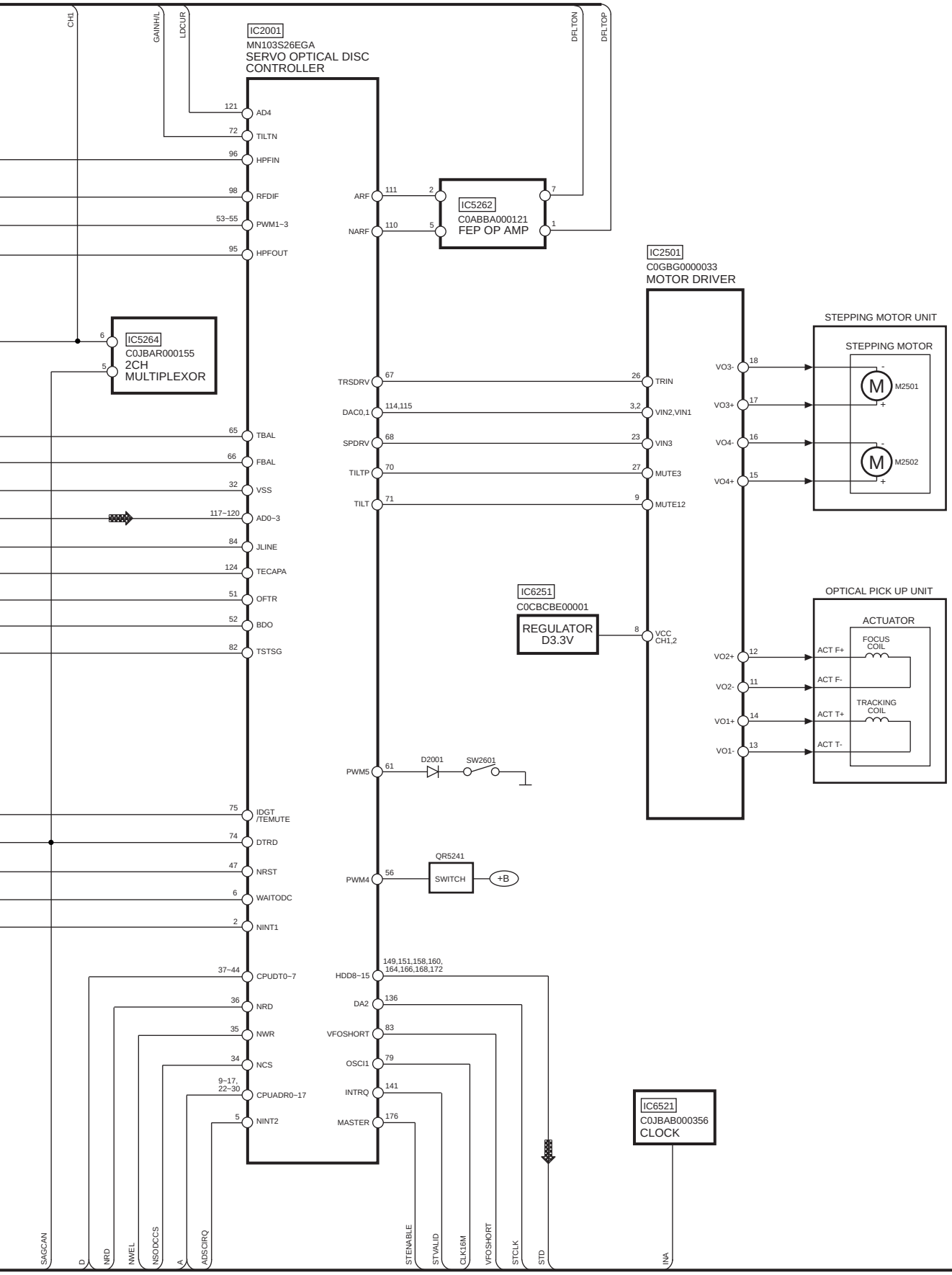
A B C D E F G

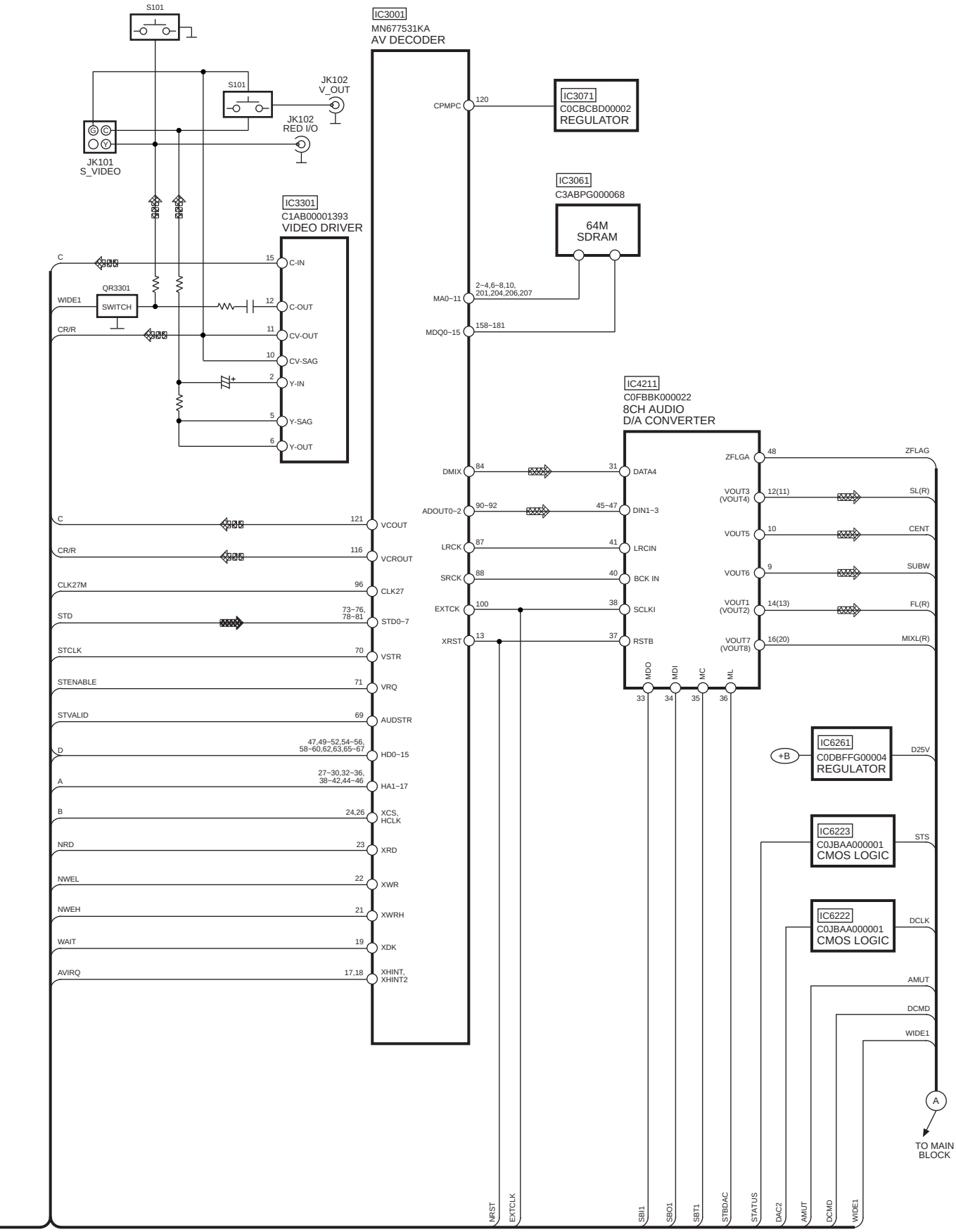
1 2 3 4 5 6 7 8 9

B DVD MODULE (2) (Side: B) P.C.B. (REP3380C)

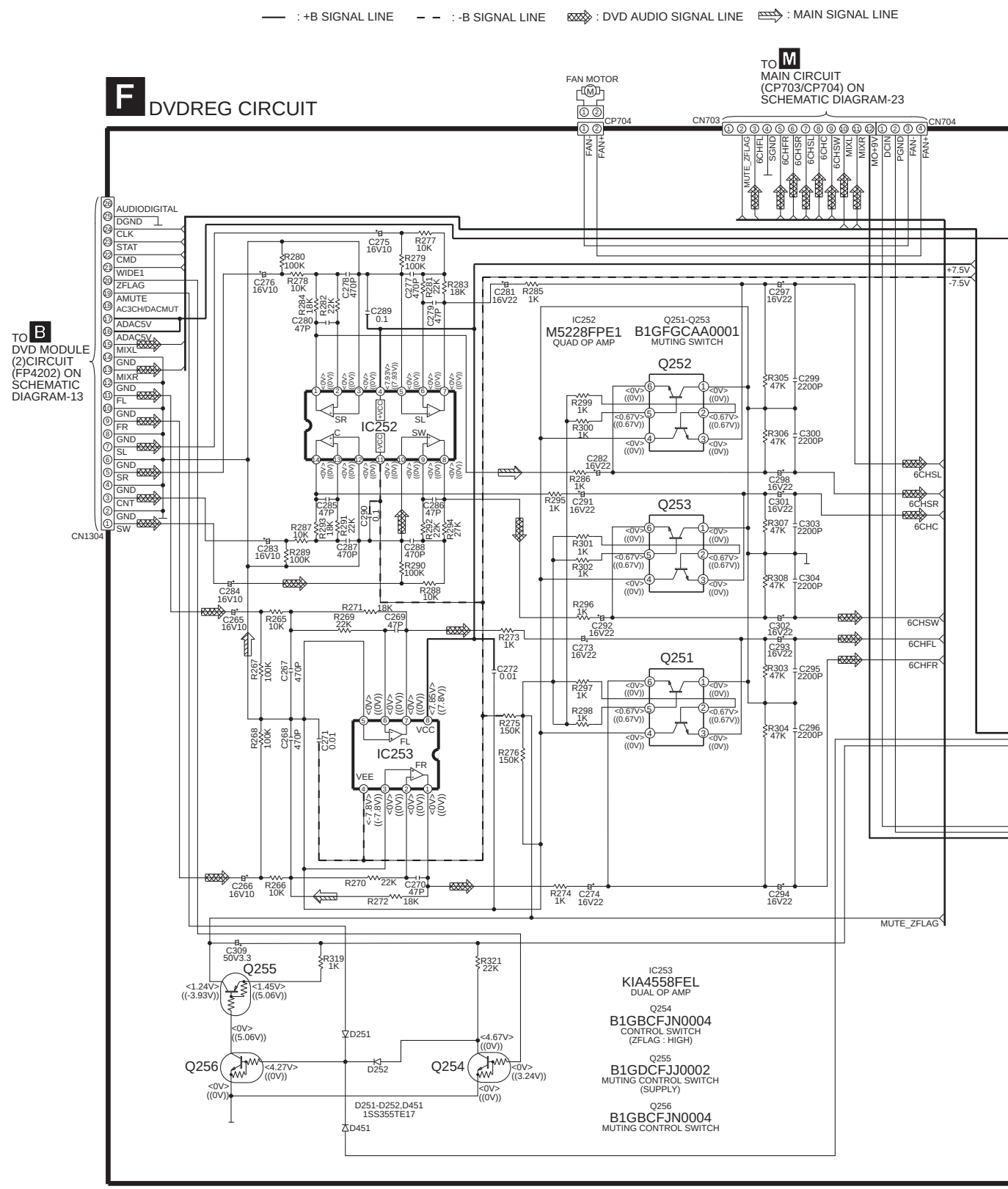



OPTICAL PICKUP UNIT
HIGH FREQUENCY MODULATOR
LD-IN
LD-OUT
DVD MODULATOR
LD
SW
F2
F1
RFN
RFP
MON
T4
T3
T2
T1
CD MODULATOR
MON
F1
E
F
F2
LD
GAINH/L
CH1
LDCUR
DFLTOP
DFLTON
IC5201
AN8703FH-V
FRONT END PROCESSOR
Q5263
SWITCH
+B
Q5215
Q5211
Q5261
Q5262
Q5264
IC5261
C0ABHB000004
FEP OP AMP
D5261
LPCO2
LPCO1
DFLTON
DFLTOP
VIN10
VIN9
RFINN
RFINP
LPC1
VIN4
VIN3
VIN2
VIN1
LPC2
VIN8
VIN12
VIN11
VIN7
DSFLT
DTRD
IDGT
STANDBY
INTERFACE
Q2001
RFDIFO
SEN, SCK, STDIO
AGCBAL
AGCOFST
TBAL
FBAL
FEN
TEOUT, ASOUT, FEOUT, RFENV
JLINE
RFOUT
OFTR
BDO
TESTSG
IC6201
MN102H60GFB
MICROPROCESSOR
ADSCIRQ
SBO1
SAGCAN
STBDAC
DCMD
STATUS
DAC2
B
AMUT
NSODCCS
NWEH
NIRQ0/PA0
P75/SBO1
P97/AN3
P90
PB3/SBI3
PB4/SBO3
PB2/SBT3
NCS2/P52, BOSC/PB0
P54/NBREQ
NCS1/P51
NWEH/P63
NWCRD
P70/SBT0/RAS
P56
NIRQ2,3/PA2,3
P74/SBI1
P73/SBT1
WAIT
NIRQ1/PA1
NCS3/P53
NRE
A0–21
NWEL/P62
NRST
D0–15
P55/NBRACK
OSCI
QR5221
SUPPLY SWITCH
Q5271
QR6215
RESET SWITCH
IC6501
C1DB00000582
MINICON
CLK27M
EXTCLK
CLK16M
CLK27
CLK54
768FS
CLK16
CLK33
FSEL
XTO
XTI
X6501
RESET
IC6211
C0EBE0000070
IC6301
RFKFMA502160
16M FLASH ROM
XCE
XWE
DQ0–15
XRESET
XDE
A0–20
INA
D
NWEL
SBT1
SBI1
AVIRQ
A
NRD
WAIT
NRST


CH1
GAINH/L
LDCUR
DRLTON
DRLTOP
IC2001
MN103S26EGA
SERVO OPTICAL DISC
CONTROLLER
121 AD4
72 TILTN
96 HPFIN
98 RFDIF
53~55 PWM1~3
95 HPFOUT
ARF 111
NARF 110
IC5262
C0ABBA000121
FEP OP AMP
2
5
7
1
IC2501
C0GBG0000033
MOTOR DRIVER
IC5264
C0JBAR000155
2CH
MULTIPLEXOR
6
5
TRSDRV 67
DAC0,1 114,115
SPDRV 68
TILTP 70
TILT 71
26 TRIN
3,2 VIN2,VIN1
23 VIN3
27 MUTE3
9 MUTE12
STEPPING MOTOR UNIT
STEPPING MOTOR
VO3- 18
VO3+ 17
VO4- 16
VO4+ 15
M2501
M2502
65 TBAL
66 FBAL
32 VSS
117~120 AD0~3
84 JLINE
124 TECAPA
51 OFTR
52 BDO
82 TSTSG
IC6251
C0CBCBE00001
REGULATOR
D3.3V
8 VCC
CH1,2
OPTICAL PICK UP UNIT
ACTUATOR
FOCUS
COIL
TRACKING
COIL
VO2+ 12
VO2- 11
VO1+ 14
VO1- 13
ACT F+
ACT F-
ACT T+
ACT T-
PWM5 61
D2001
SW2601
75 IDGT
/TEMUTE
74 DTRD
47 NRST
6 WAITODC
2 NINT1
QR5241
SWITCH
+B
PWM4 56
37~44 CPUDT0~7
36 NRD
35 NWR
34 NCS
9~17,
22~30 CPUADR0~17
5 NINT2
149,151,158,160,
164,166,168,172 HDD8~15
DA2 136
VFOSHORT 83
OSCI1 79
INTRQ 141
MASTER 176
IC6521
C0JBAB000356
CLOCK
SAGCAN
D
NRD
NWEL
NSODCCS
A
ADSCIRQ
STENABLE
STVALID
CLK16M
VFOSHORT
STCLK
STD
INA


S101
S101
JK102
V_OUT
JK102
RED I/O
JK101
S_VIDEO
IC3001
MN677531KA
AV DECODER
IC3071
C0CBCBD00002
REGULATOR
CPMPC
120
IC3061
C3ABPG000068
64M
SDRAM
MA0~11
2~4,6~8,10,
201,204,206,207
MDQ0~15
158~181
IC3301
C1AB00001393
VIDEO DRIVER
C
15
C-IN
QR3301
SWITCH
WIDE1
12
C-OUT
CR/R
11
CV-OUT
10
CV-SAG
2
Y-IN
5
Y-SAG
6
Y-OUT
IC4211
C0FBBK000022
8CH AUDIO
D/A CONVERTER
DMIX
84
31
DATA4
ADOUT0~2
90~92
45~47
DIN1~3
LRCK
87
41
LRCIN
SRCK
88
40
BCK IN
EXTCK
100
38
SCLKI
XRST
13
37
RSTB
MDO
MDI
MC
ML
33
34
35
36
ZFLGA
48
ZFLAG
VOUT3
(VOUT4)
12(11)
SL(R)
VOUT5
10
CENT
VOUT6
9
SUBW
VOUT1
(VOUT2)
14(13)
FL(R)
VOUT7
(VOUT8)
16(20)
MIXL(R)
C
121
VCOUT
CR/R
116
VCROUT
CLK27M
96
CLK27
STD
73~76,
78~81
STD0~7
STCLK
70
VSTR
STENABLE
71
VRQ
STVALID
69
AUDSTR
D
47,49~52,54~56,
58~60,62,63,65~67
HD0~15
A
27~30,32~36,
38~42,44~46
HA1~17
B
24,26
XCS,
HCLK
NRD
23
XRD
NWEL
22
XWR
NWEH
21
XWRH
WAIT
19
XDK
AVIRQ
17,18
XHINT,
XHINT2
+B
IC6261
C0DBFFG00004
REGULATOR
D25V
IC6223
C0JBAA000001
CMOS LOGIC
STS
IC6222
C0JBAA000001
CMOS LOGIC
DCLK
AMUT
DCMD
WIDE1
A
TO MAIN
BLOCK
NRST
EXTCLK
SBI1
SBO1
SBT1
STBDAC
STATUS
DAC2
AMUT
DCMD
WIDE1

SCHEMATIC DIAGRAM - 18



SCHEMATIC DIAGRAM - 19

—— : +B SIGNAL LINE

F DVDREG CIRCUIT

TO B
DVD MODULE(2) CIRCUIT (FP3202)
ON SCHEMATIC DIAGRAM-12

CP6251

M+9V-CTL, M+9V, M+9V, M_GND, M_GND, D+5V, D+5V, DGND, DGND, D+2.5V, D+2.5V, DGND, DGND, A+5V, A+5V, AGND, AGND

C716 25V2200P
C717 0.01

I CD DETECT CIRCUIT

SW4, W2

D1 GP1S94, W1, SW5

G CD LOADING CIRCUIT

IC1
C0GAM0000005
MOTOR DRIVE

NC, V_S, VCC, VREF, NC

C2 0.01
C1 16V100
M
RM1
R1 1K
D2
B0BA4R600003
Q1
B1GACFGG0004
POWER SUPPLY CONTROL

L
PLUNGER, BOTTOMSW, POSITION, PSLED, D_GND, SW2, P_GND, SW1, OPEN, CLAMP, CCW, DRIVEPOWER, HALF, CW
CN1

SW2, SW1, SW3

TO F
DVDREG CIRCUIT (CN1) ON SCHEMATIC DIAGRAM-20

H SPINDLE POSITION CIRCUIT

Q708 KTA1046 REGULATOR	Q711 B1ABCF000011 REGULATOR
Q709 B1ABGC000001 REGULATOR	Q712 2SB621ARSTA REGULATOR
Q710 2SB621ARSTA REGULATOR	Q713 B1ABCF000011 REGULATOR
Q703 KTA1046 REGULATOR	Q704 B1ABCF000011 REGULATOR

R710 560, R709 560
Q701 B1GDCFJJ0002 SWITCH (15V)
Q702 B1GBCFJN0004 POWER SUPPLY CONTROL SWITCH (15V)
Q703, Q704
Q705 B1ADCF000001 CURRENT LIMITTING SWITCH (SHORT-CIRCUIT PROTECTION)
D701-D704 RL1N4003N02
D705 B0ADCC000002
D706 B0BC5R000009
D707 B0BC9R000008
L704 RLL50005OT-Y
L705 RLL50005OT-Y

AU+5V, M+9V, D+5V, D+2.5V, A+5V, M+9V

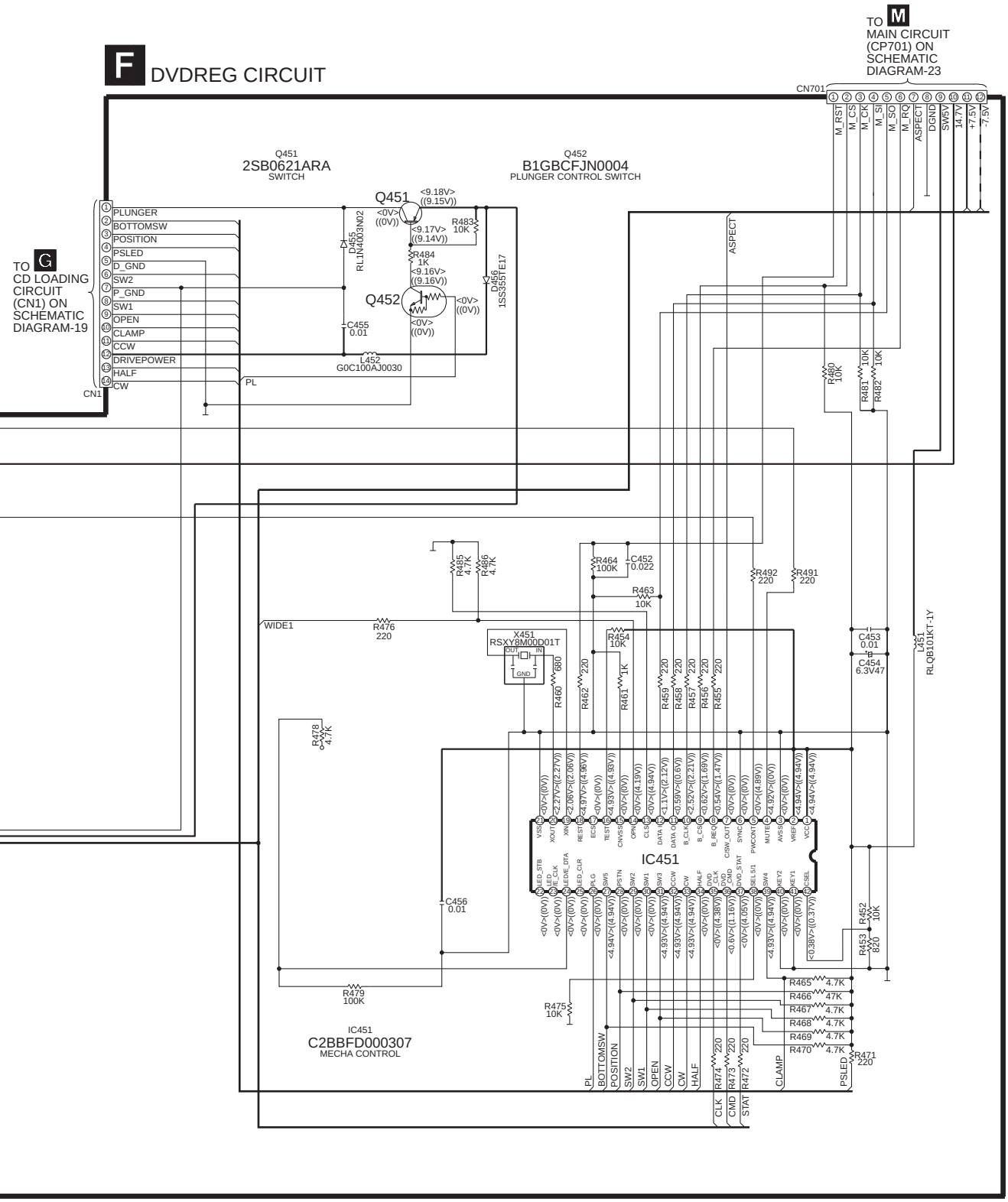
Q712, Q710, Q708, Q713, Q711, Q709
D711-D713 B0ADCC000002

L702 G0ZZ00001930
L701 RLL50005OT-Y
L703 RLL50005OT-Y
D709 SFPB-72V
D710 B0BC7R500001
IC702 C0DBAJG00002 VOLTAGE REGULATOR
IC703 LM2940T5M VOLTAGE REGULATOR
C708 6.3V220
C707 10V100
C709 25V100

CP705

TO N
SUB-TRANSFORMER CIRCUIT (W705) ON SCHEMATIC DIAGRAM-25

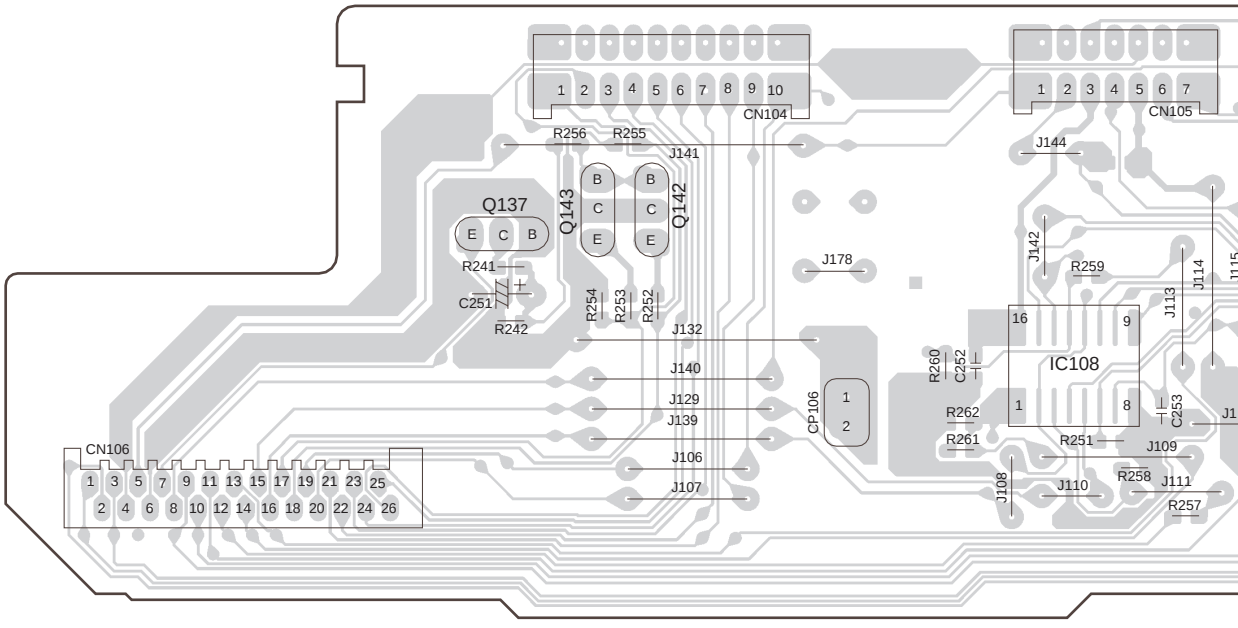
—— : +B SIGNAL LINE – – : -B SIGNAL LINE



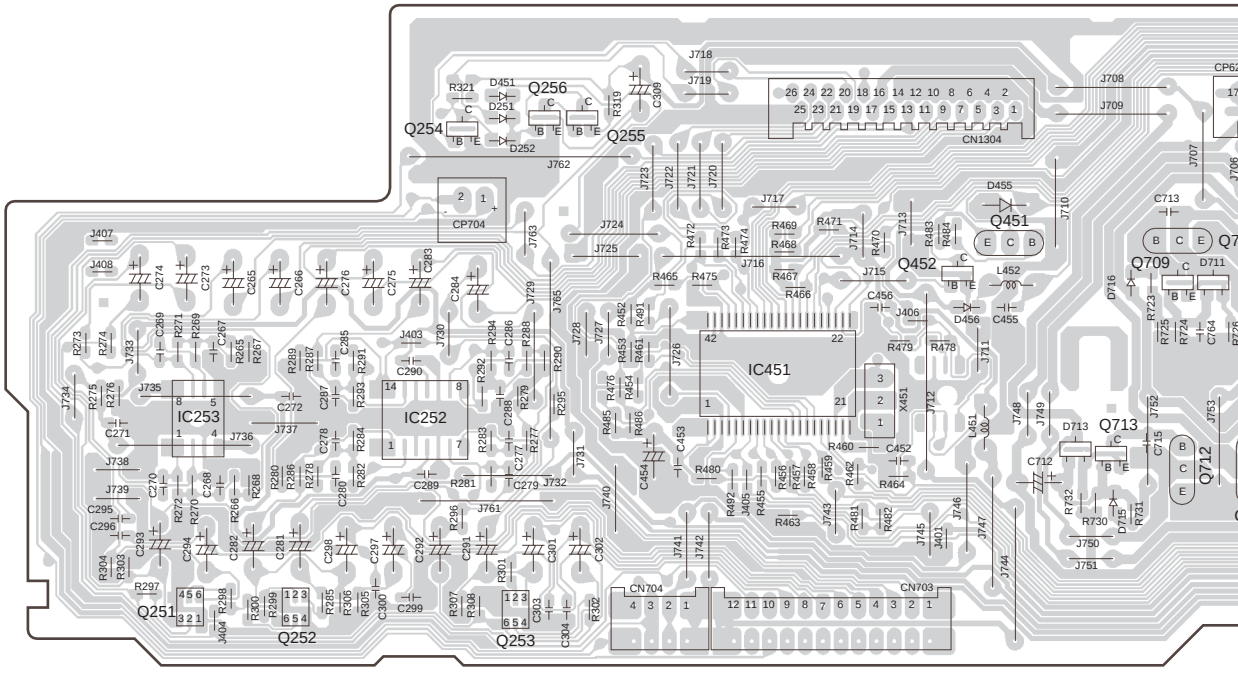
A B C D E F G

1 2 3 4 5 6 7 8 9

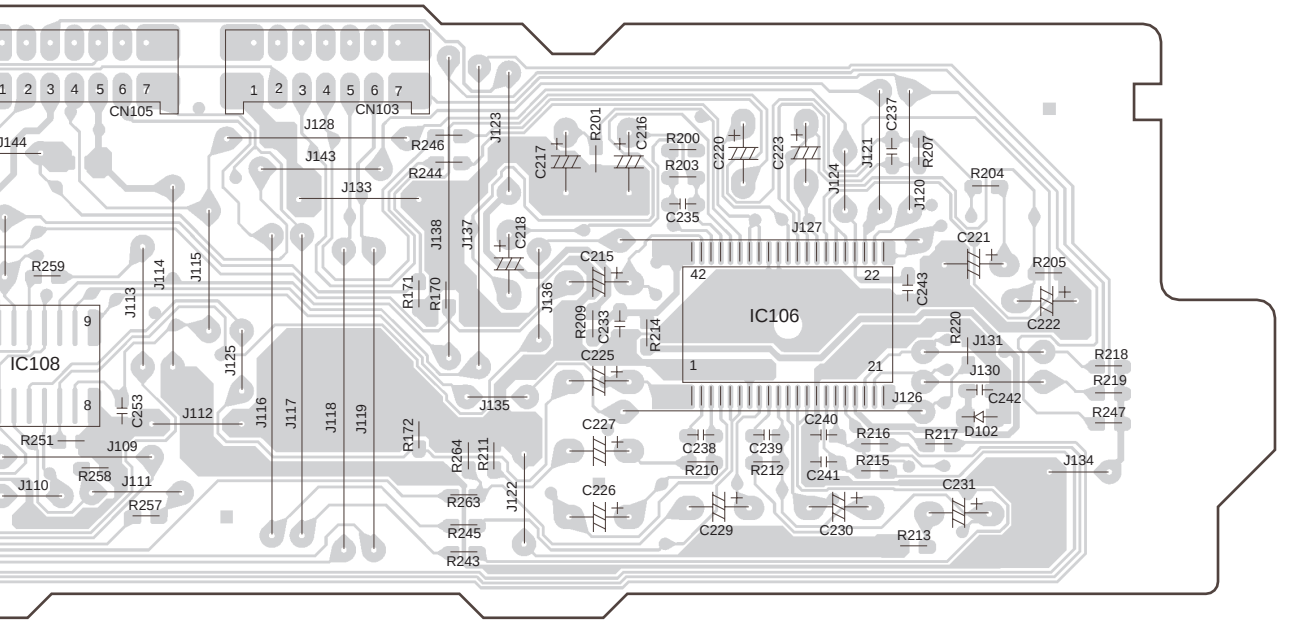
D ASP P.C.B. (REP3375B)

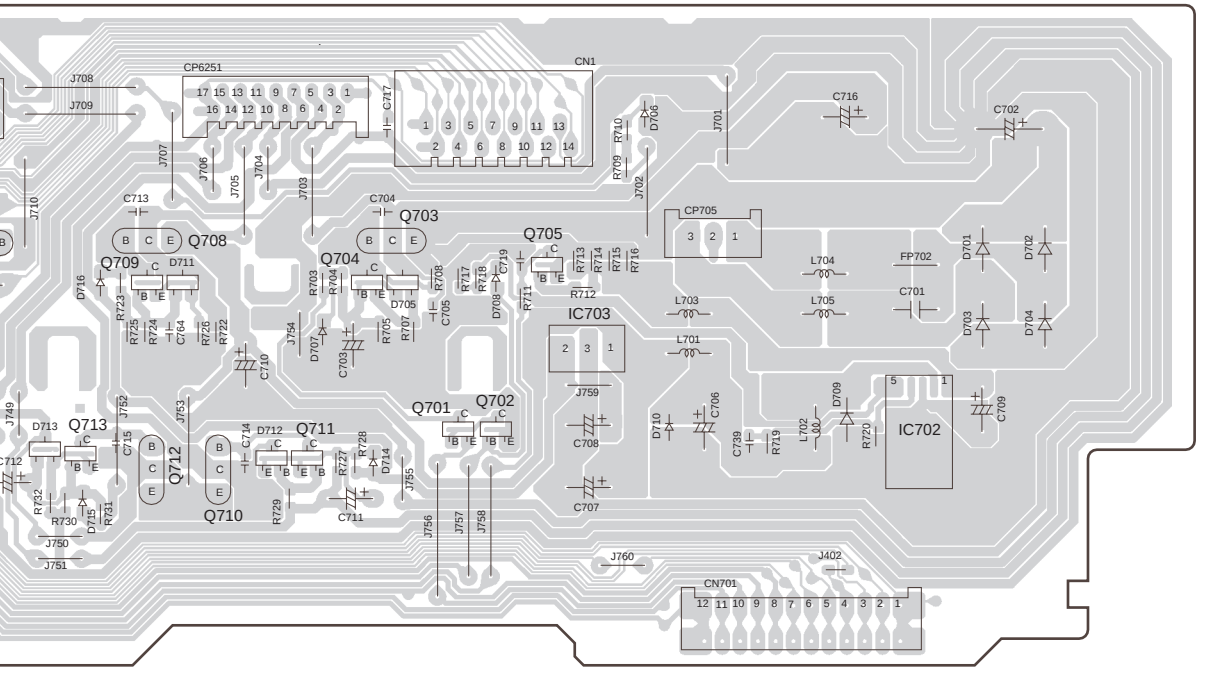


F DVD REG P.C.B. (REP3375B)



G H I J K L M

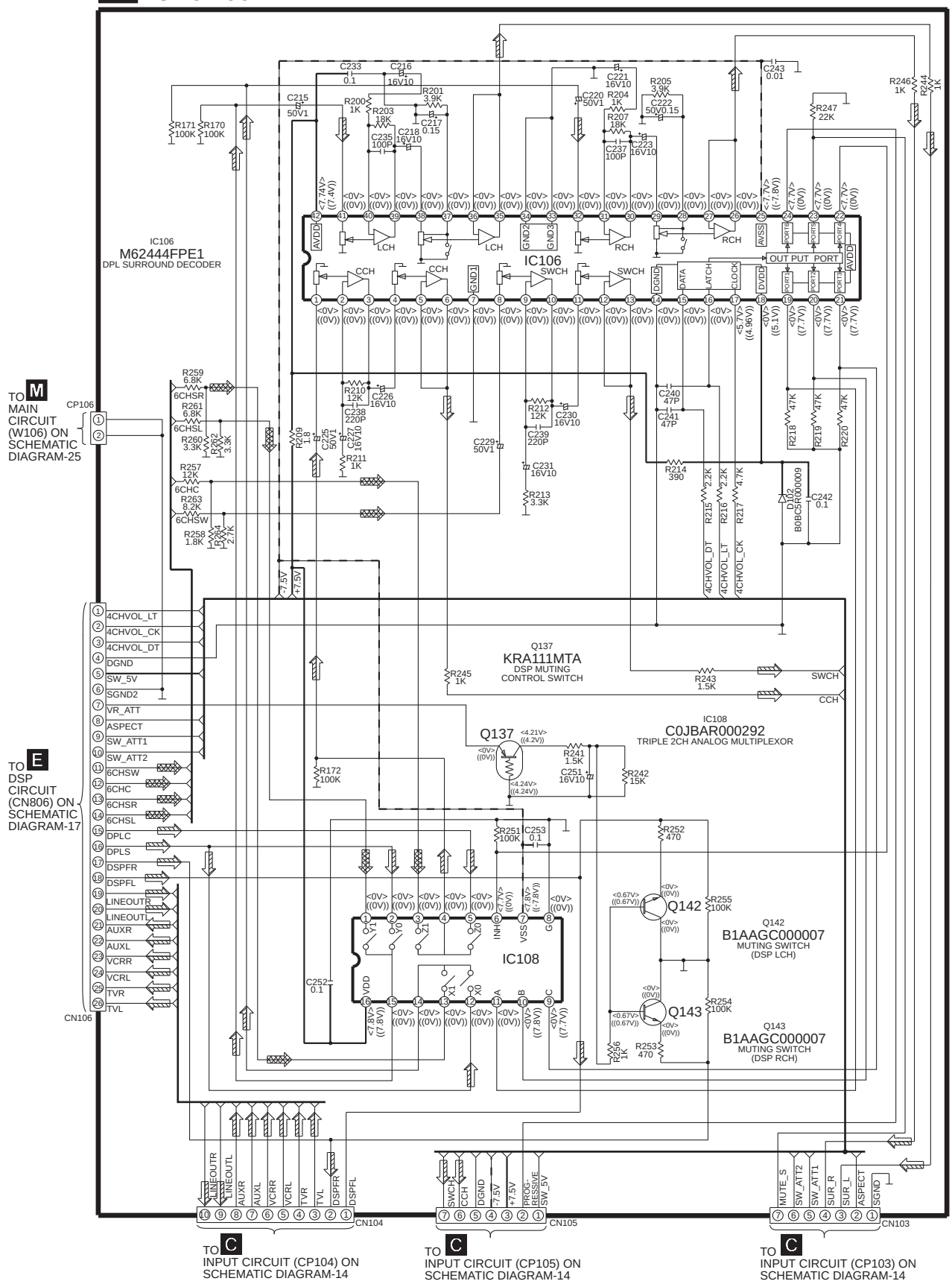

CN105
CN103
IC108
IC106
J128
J143
J133
J144
J123
J138
J137
J136
J135
J122
J127
J126
J125
J116
J117
J118
J119
J112
J109
J110
J111
J113
J114
J115
J131
J130
J134
R246
R244
R171
R170
R172
R264
R211
R263
R245
R243
R259
R253
R251
R258
R257
R201
R200
R203
R209
R214
R210
R212
R213
R205
R204
R207
R220
R218
R219
R247
R216
R217
R215
C217
C216
C218
C215
C220
C223
C235
C233
C225
C227
C238
C239
C241
C226
C229
C230
C231
C221
C222
C243
C240
C242
D102
J121
J124
J120
C237

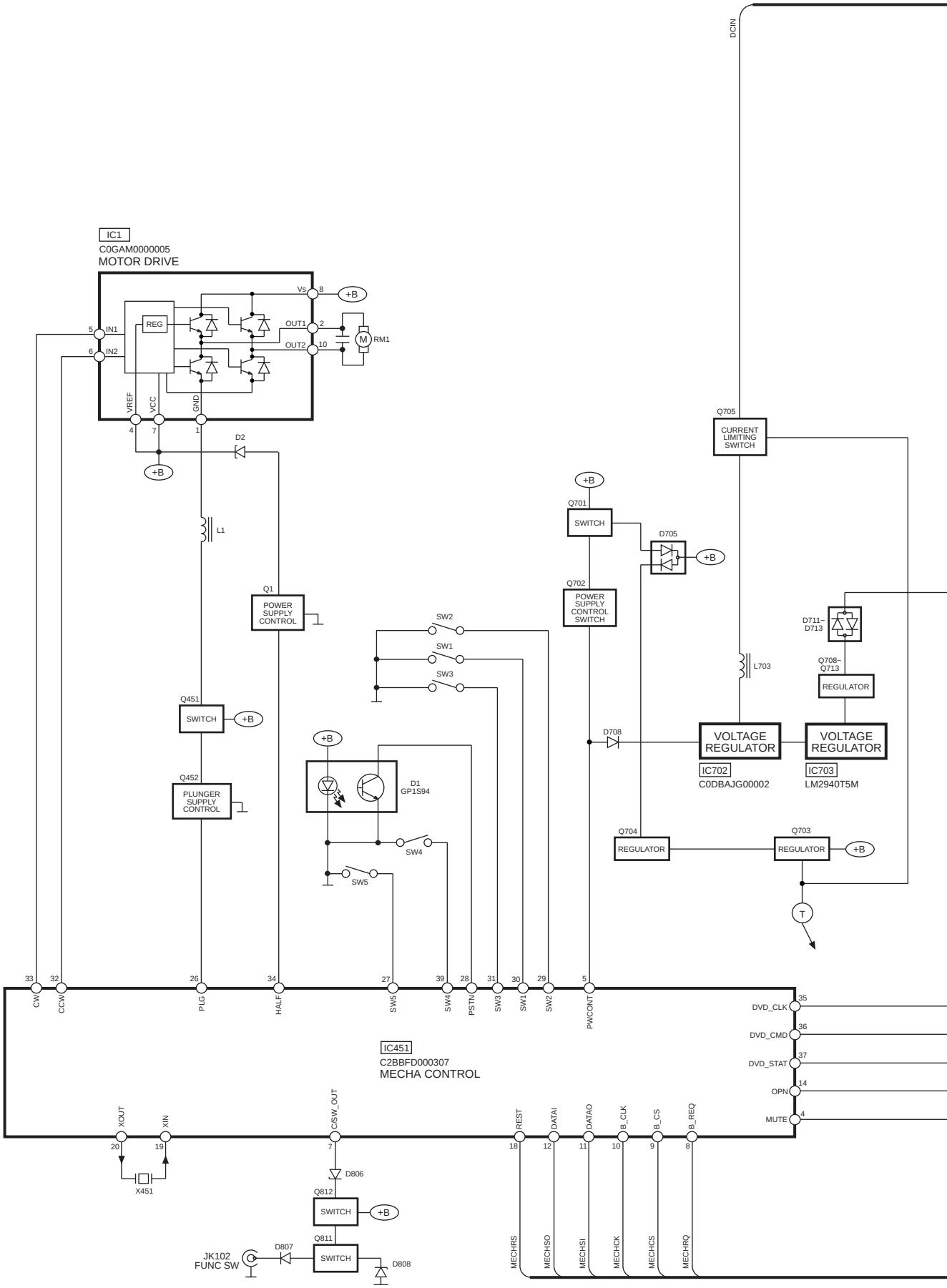

CP6251
CN1
CN701
IC703
IC702
J708
J709
J710
J707
J706
J705
J704
J703
J701
J702
J754
J759
J760
J749
J752
J753
J750
J751
J755
J756
J757
J758
J402
Q708
Q709
Q704
Q703
Q705
Q713
Q712
Q710
Q711
Q701
Q702
C713
C704
C747
C716
C702
C710
C708
C707
C706
C739
C709
D711
D716
D705
D708
D707
D703
D713
D712
D714
D715
D710
D709
D706
D701
D702
D704
R710
R709
R712
R723
R725
R724
R704
R703
R708
R717
R718
R719
R715
R716
R713
R714
R726
R722
R727
R728
R729
R730
R731
R732
R720
L704
L705
L703
L701
L702
FP702
C701
CP705

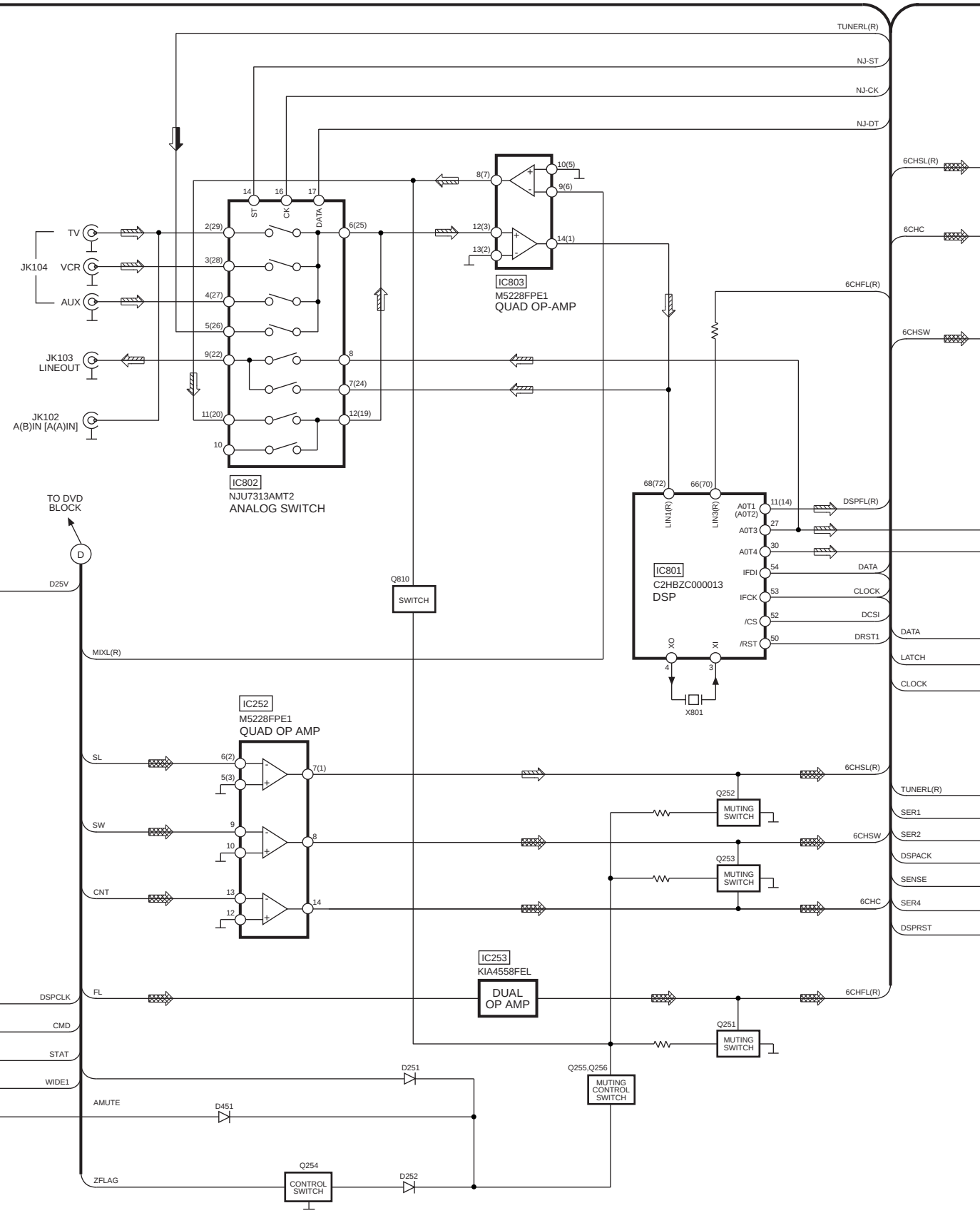
SCHEMATIC DIAGRAM - 15

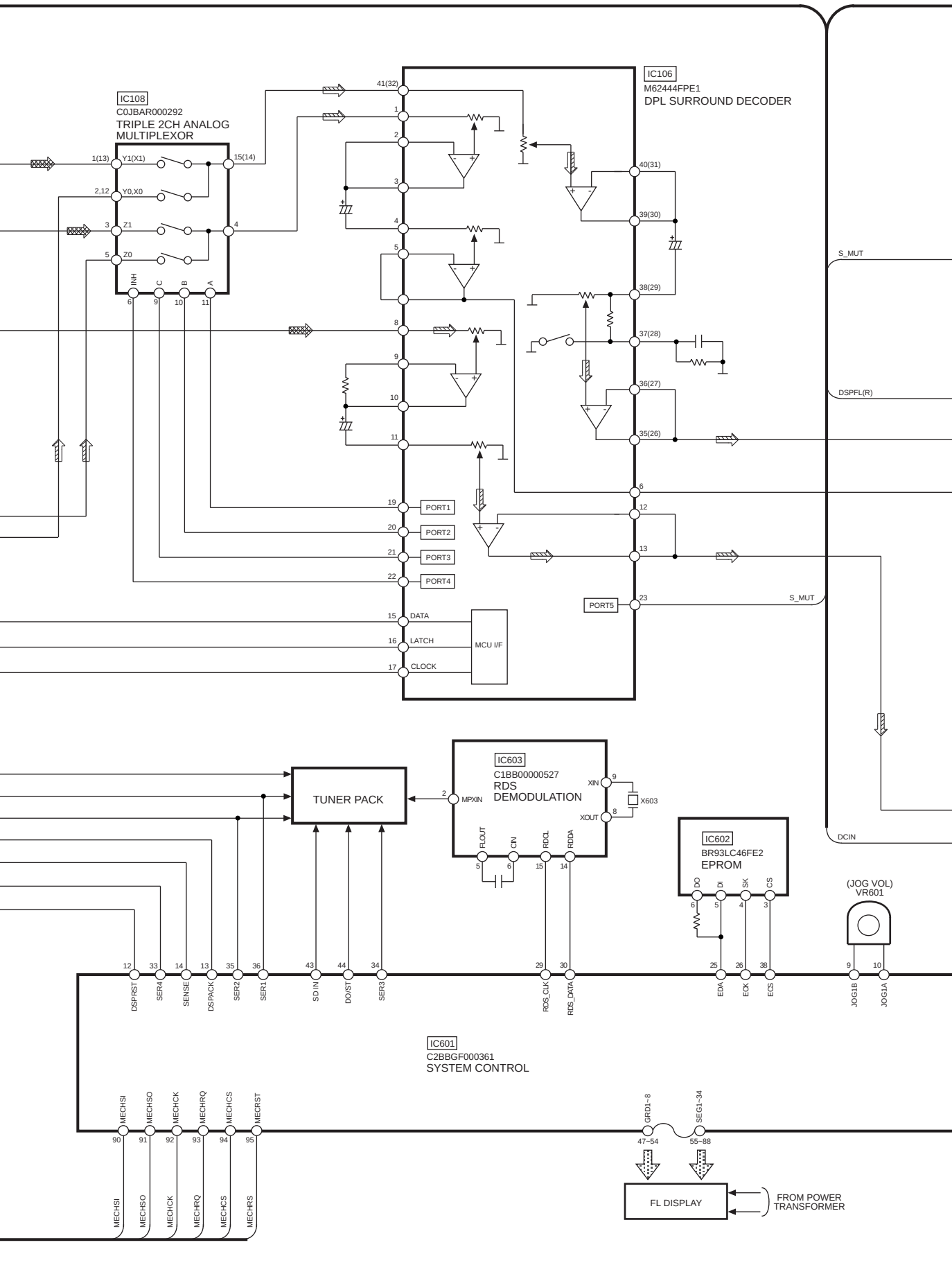
D ASP CIRCUIT

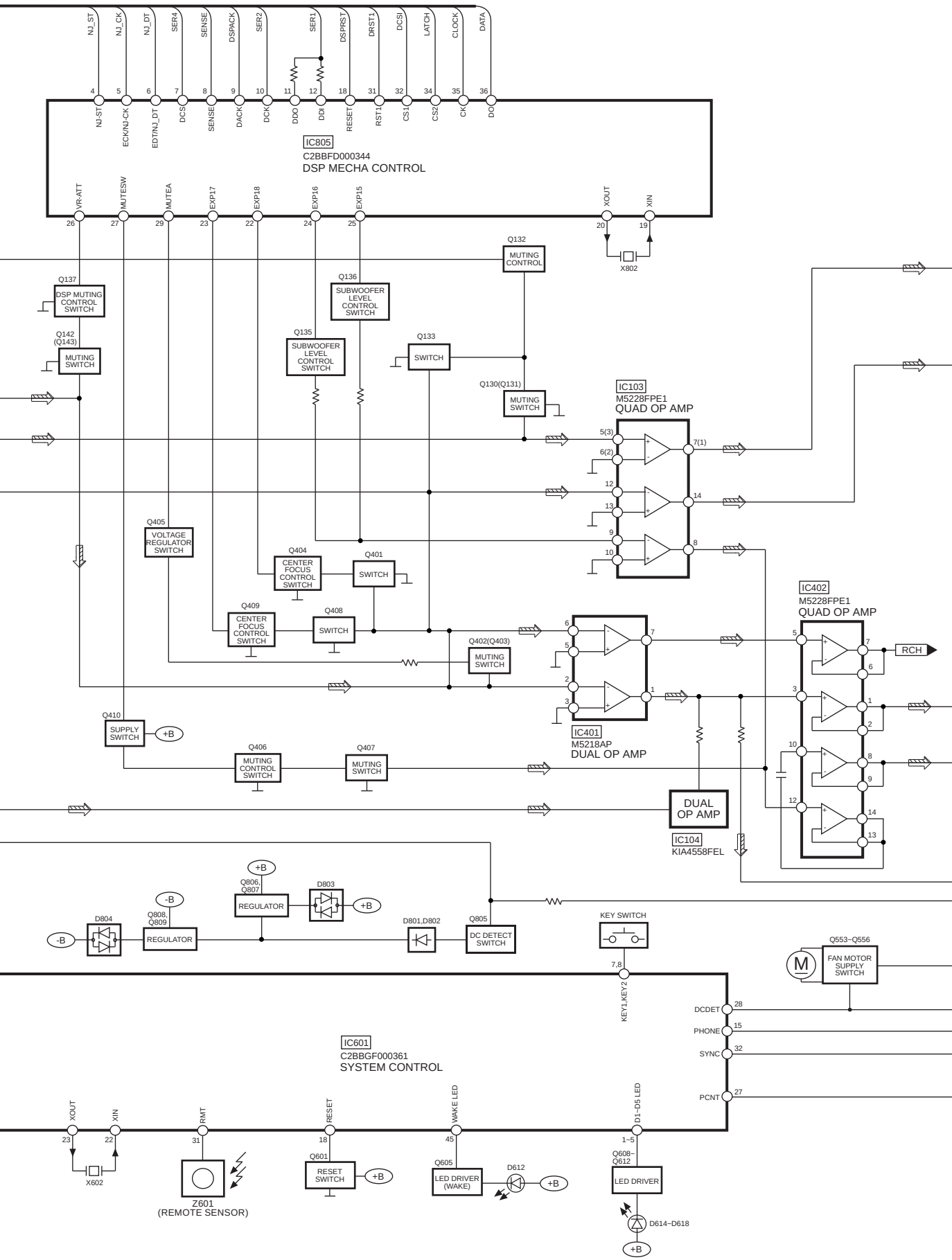
—— : +B SIGNAL LINE – – : -B SIGNAL LINE : DVD AUDIO SIGNAL LINE : MAIN SIGNAL LINE

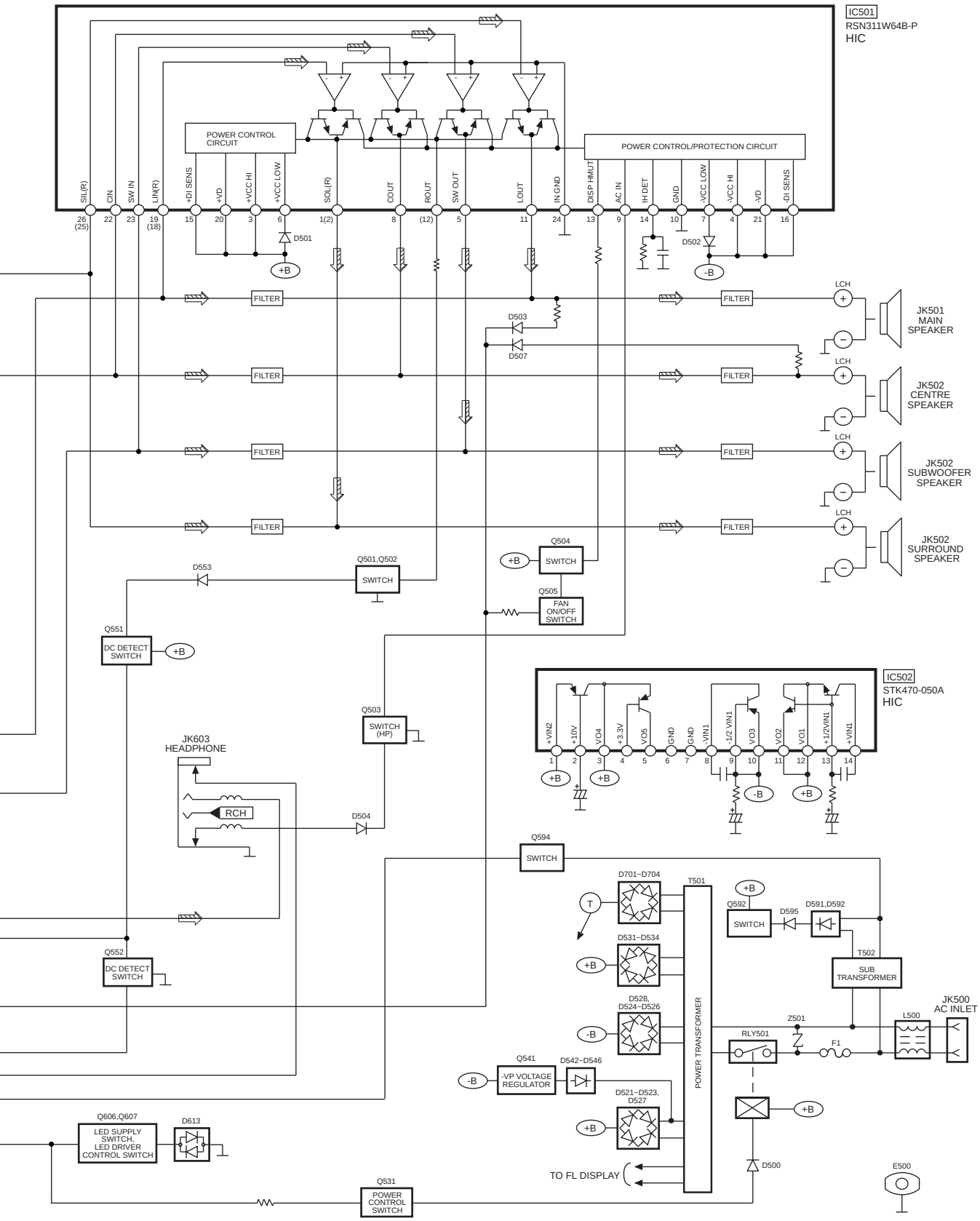



DCIN
IC1
C0GAM0000005
MOTOR DRIVE
Vs
8
+B
5
IN1
6
IN2
REG
OUT1
2
OUT2
10
M
RM1
VREF
VCC
GND
4
7
1
D2
+B
L1
Q1
POWER SUPPLY CONTROL
Q705
CURRENT LIMITING SWITCH
+B
Q701
SWITCH
D705
+B
Q702
POWER SUPPLY CONTROL SWITCH
SW2
SW1
SW3
D711– D713
Q708– Q713
REGULATOR
L703
Q451
SWITCH
+B
Q452
PLUNGER SUPPLY CONTROL
+B
D1
GP1S94
SW4
SW5
D708
VOLTAGE REGULATOR
IC702
C0DBAJG00002
VOLTAGE REGULATOR
IC703
LM2940T5M
Q704
REGULATOR
Q703
REGULATOR
+B
T
33
CW
32
CCW
26
PLG
34
HALF
27
SW5
39
SW4
28
PSTN
31
SW3
30
SW1
29
SW2
5
PWCONT
IC451
C2BBFD000307
MECHA CONTROL
DVD_CLK
35
DVD_CMD
36
DVD_STAT
37
OPN
14
MUTE
4
XOUT
20
XIN
19
X451
CSW_OUT
7
D806
Q812
SWITCH
+B
Q811
SWITCH
D807
D808
JK102
FUNC SW
REST
18
DATAI
12
DATAO
11
B_CLK
10
B_CS
9
B_REQ
8
MECHRS
MECHSO
MECHSI
MECHCK
MECHCS
MECHRQ


TUNERL(R)
NJ-ST
NJ-CK
NJ-DT
6CHSL(R)
6CHC
6CHFL(R)
6CHSW
TV
VCR
AUX
JK104
JK103
LINEOUT
JK102
A(B)IN [A(A)IN]
IC802
NJU7313AMT2
ANALOG SWITCH
IC803
M5228FPE1
QUAD OP-AMP
IC801
C2HBZC000013
DSP
LIN1(R)
LIN3(R)
A0T1 (A0T2)
A0T3
A0T4
IFDI
IFCK
/CS
/RST
XO
XI
X801
DSPFL(R)
DATA
CLOCK
DCSI
DRST1
LATCH
TO DVD BLOCK
D
D25V
Q810
SWITCH
MIXL(R)
IC252
M5228FPE1
QUAD OP AMP
SL
SW
CNT
Q252
Q253
MUTING SWITCH
SER1
SER2
DSPACK
SENSE
SER4
DSPRST
IC253
KIA4558FEL
DUAL OP AMP
DSPCLK
FL
CMD
STAT
WIDE1
AMUTE
D251
D451
Q255,Q256
MUTING CONTROL SWITCH
Q251
ZFLAG
Q254
CONTROL SWITCH
D252


IC108
C0JBAR000292
TRIPLE 2CH ANALOG MULTIPLEXOR
IC106
M62444FPE1
DPL SURROUND DECODER
PORT1
PORT2
PORT3
PORT4
PORT5
DATA
LATCH
CLOCK
MCU I/F
S_MUT
DSPFL(R)
DCIN
TUNER PACK
IC603
C1BB00000527
RDS DEMODULATION
MPXIN
XIN
XOUT
X603
FLOUT
CIN
RDCL
RDDA
IC602
BR93LC46FE2
EPROM
DO
DI
SK
CS
(JOG VOL)
VR601
DSPRST
SER4
SENSE
DSPACK
SER2
SER1
SD IN
DO/ST
SER3
RDS_CLK
RDS_DATA
EDA
ECK
ECS
JOG1B
JOG1A
IC601
C2BBGF000361
SYSTEM CONTROL
MECHSI
MECHSO
MECHCK
MECHRQ
MECHCS
MECRST
GRD1–8
SEG1–34
47–54
55–88
FL DISPLAY
FROM POWER TRANSFORMER


NJ_ST
NJ_CK
NJ_DT
SER4
SENSE
DSPACK
SER2
SER1
DSPRST
DRST1
DCSI
LATCH
CLOCK
DATA
4
5
6
7
8
9
10
11
12
18
31
32
34
35
36
NJ-ST
ECK/NJ-CK
EDT/NJ_DT
DCS
SENSE
DACK
DCK
DDO
DDI
RESET
RST1
CS1
CS2
CK
DO
IC805
C2BBFD000344
DSP MECHA CONTROL
VR-ATT
MUTESW
MUTEA
EXP17
EXP18
EXP16
EXP15
XOUT
XIN
26
27
29
23
22
24
25
20
19
X802
Q132
MUTING CONTROL
Q137
DSP MUTING CONTROL SWITCH
Q142 (Q143)
MUTING SWITCH
Q136
SUBWOOFER LEVEL CONTROL SWITCH
Q135
SUBWOOFER LEVEL CONTROL SWITCH
Q133
SWITCH
Q130(Q131)
MUTING SWITCH
IC103
M5228FPE1
QUAD OP AMP
5(3)
6(2)
7(1)
12
13
14
9
10
8
Q405
VOLTAGE REGULATOR SWITCH
Q404
CENTER FOCUS CONTROL SWITCH
Q401
SWITCH
Q409
CENTER FOCUS CONTROL SWITCH
Q408
SWITCH
Q402(Q403)
MUTING SWITCH
IC402
M5228FPE1
QUAD OP AMP
RCH
Q410
SUPPLY SWITCH
+B
Q406
MUTING CONTROL SWITCH
Q407
MUTING SWITCH
IC401
M5218AP
DUAL OP AMP
DUAL OP AMP
IC104
KIA4558FEL
+B
Q806, Q807
REGULATOR
D803
-B
Q808, Q809
REGULATOR
D804
D801,D802
Q805
DC DETECT SWITCH
KEY SWITCH
7,8
KEY1,KEY2
Q553~Q556
FAN MOTOR SUPPLY SWITCH
DCDET
PHONE
SYNC
PCNT
28
15
32
27
IC601
C2BBGF000361
SYSTEM CONTROL
XOUT
XIN
RMT
RESET
WAKE LED
D1~D5 LED
23
22
31
18
45
1~5
X602
Z601
(REMOTE SENSOR)
Q601
RESET SWITCH
Q605
LED DRIVER (WAKE)
D612
Q608~Q612
LED DRIVER
D614~D618



SIGNAL LINES

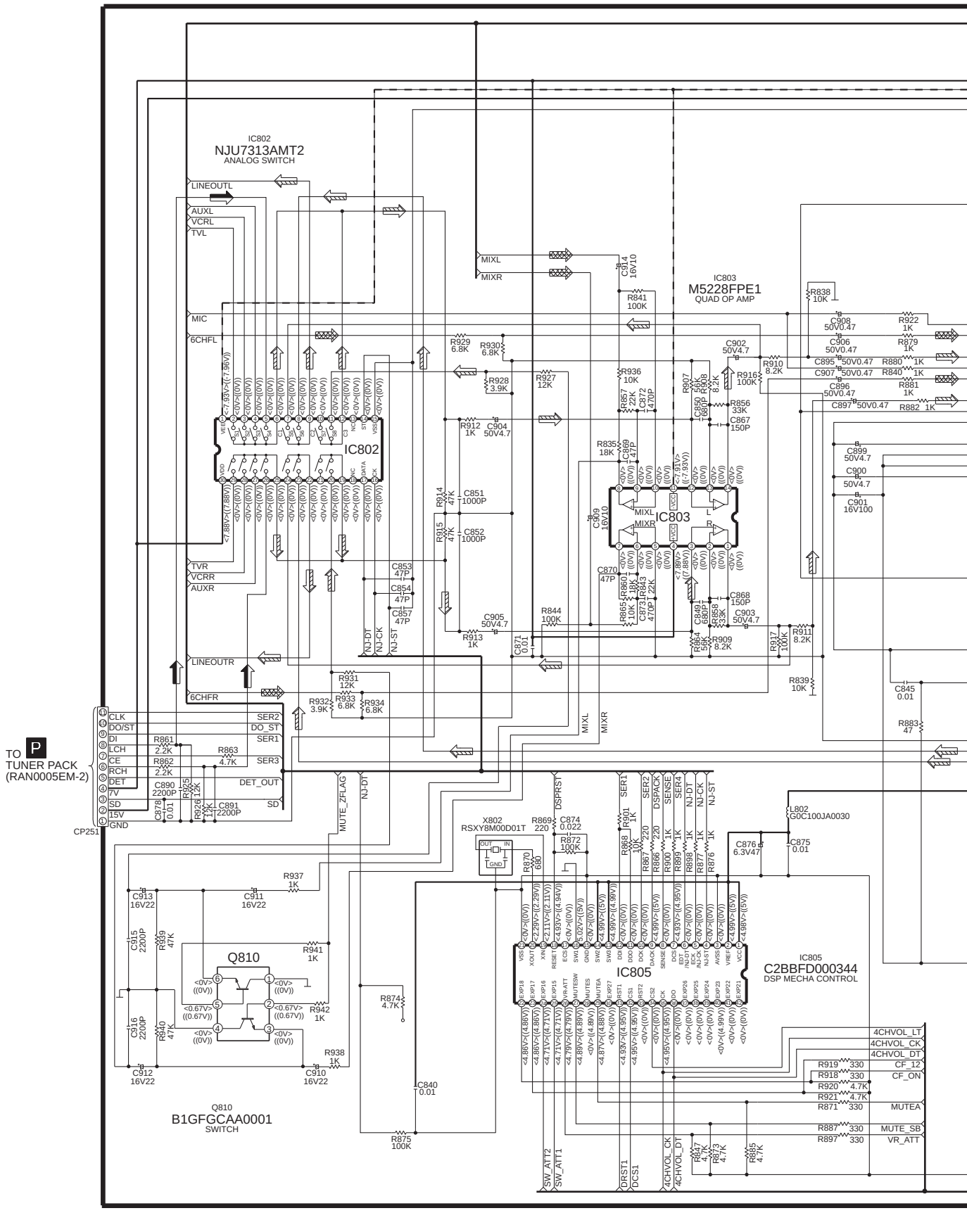
: MAIN SIGNAL LINE
: DVD AUDIO SIGNAL LINE
: CD-DA (AUDIO/VIDEO) SIGNAL LINE
: DVD AUDIO/VIDEO SIGNAL LINE
: DVD VIDEO SIGNAL LINE
: FM & AM SIGNALS LINE

( ) Indicates the Pin No. of Right channel.

SCHEMATIC DIAGRAM - 16

E DSP CIRCUIT

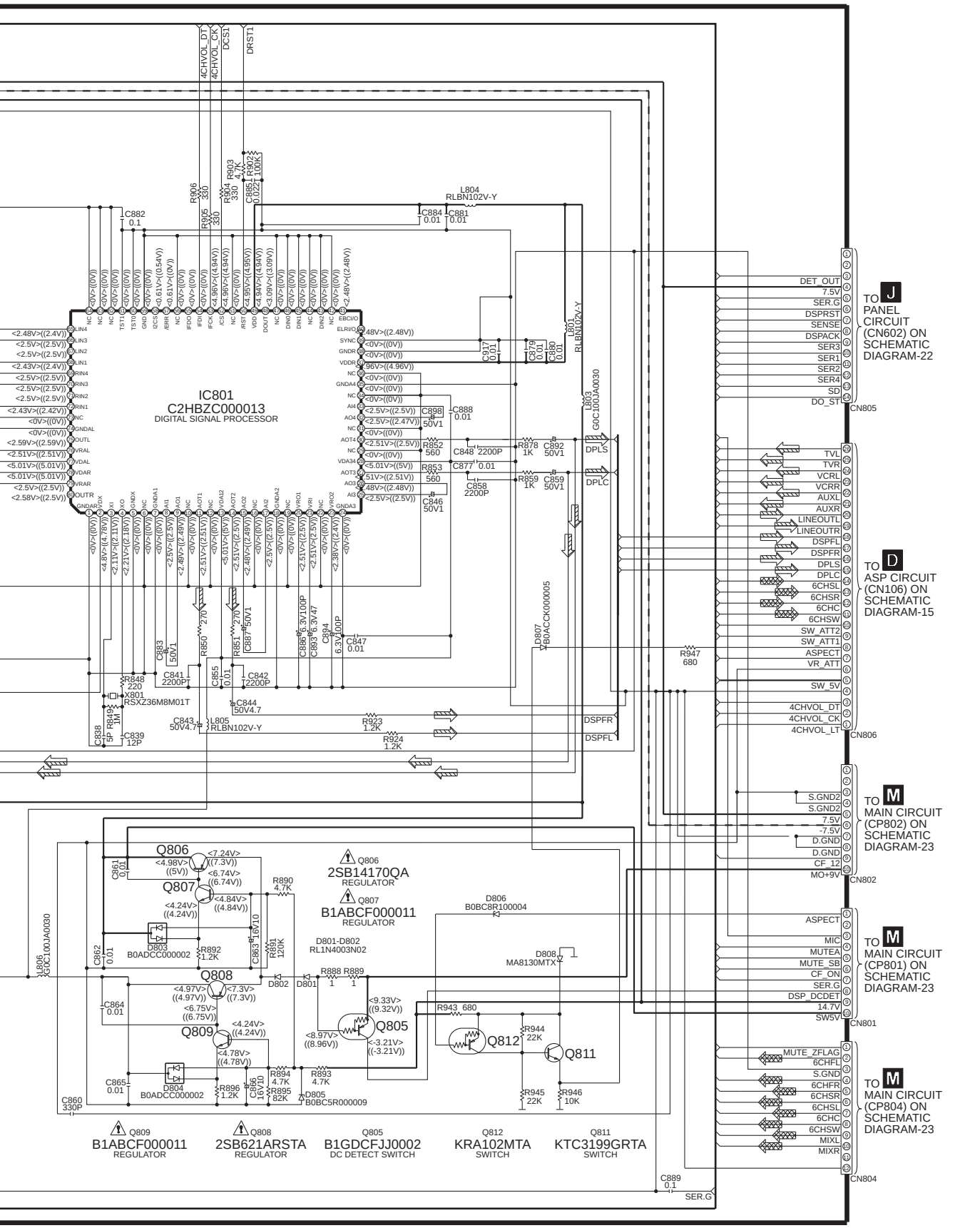
—— : +B SIGNAL LINE
– – : -B SIGNAL LINE
⇨ : FM/AM SIGNAL LINE
⇨ : MAIN SIGNAL LINE
⇨ : DVD AUDIO SIGNAL LINE



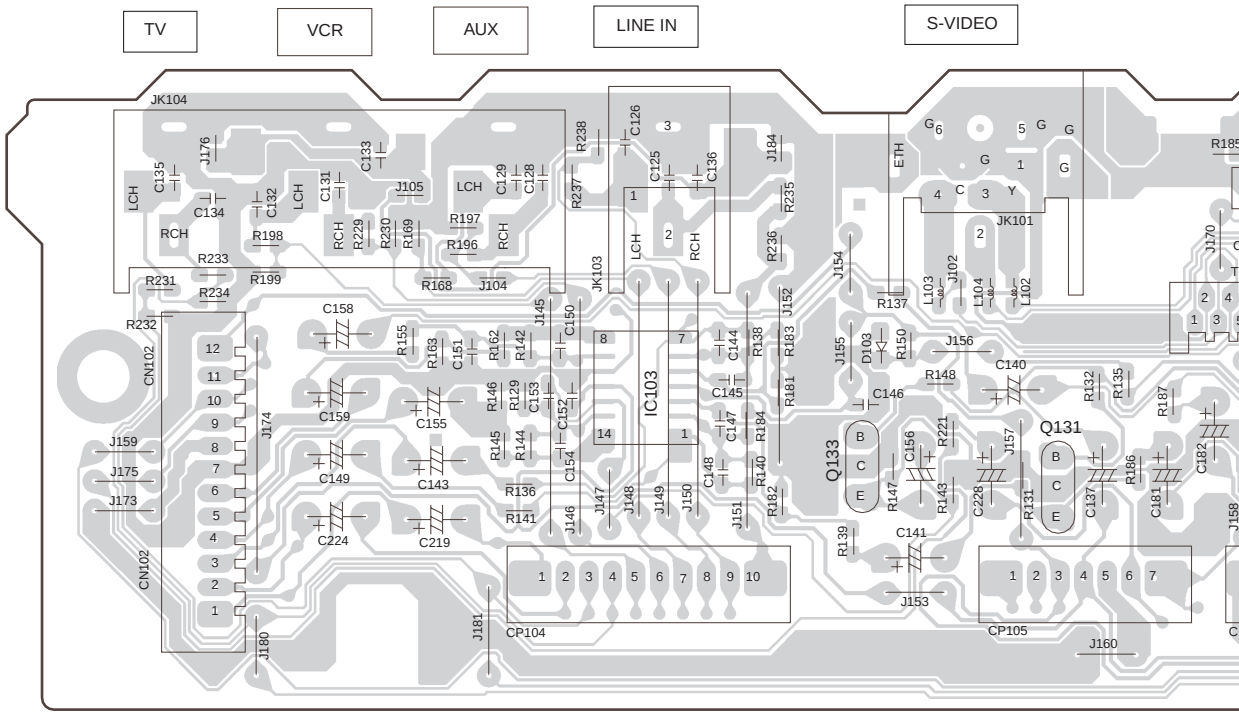
SCHEMATIC DIAGRAM - 17

E DSP CIRCUIT

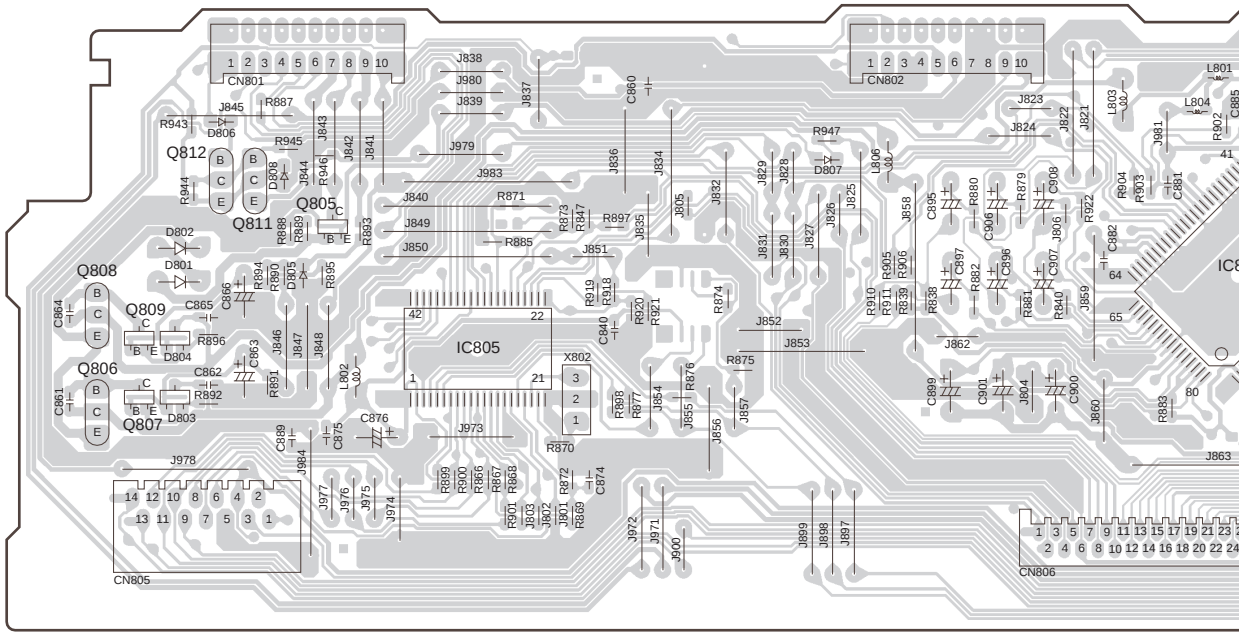
—— : +B SIGNAL LINE – – : -B SIGNAL LINE : DVD AUDIO SIGNAL LINE : MAIN SIGNAL LINE

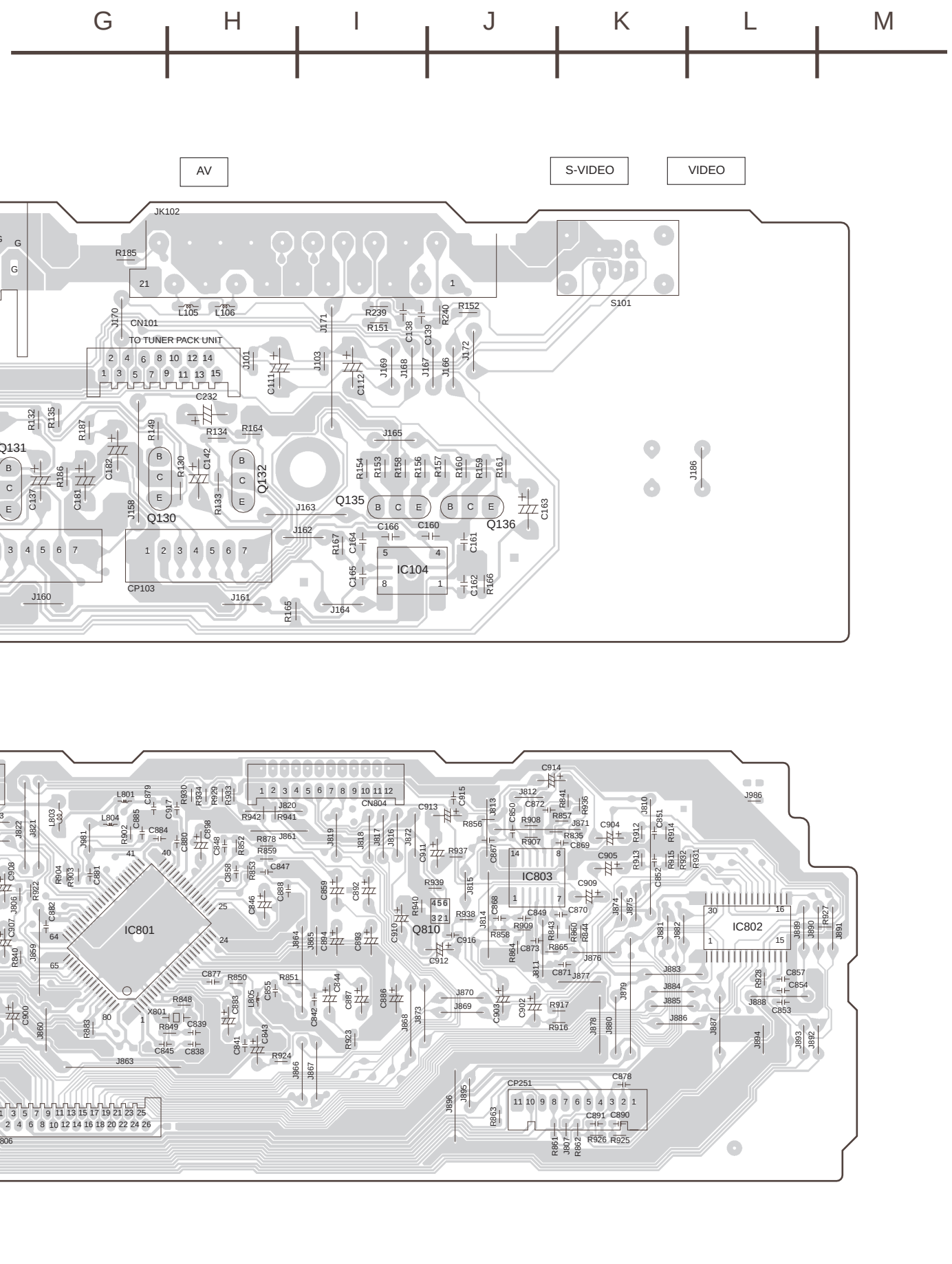


C INPUT P.C.B. (REP3375B)



E DSP P.C.B. (REP3375B)

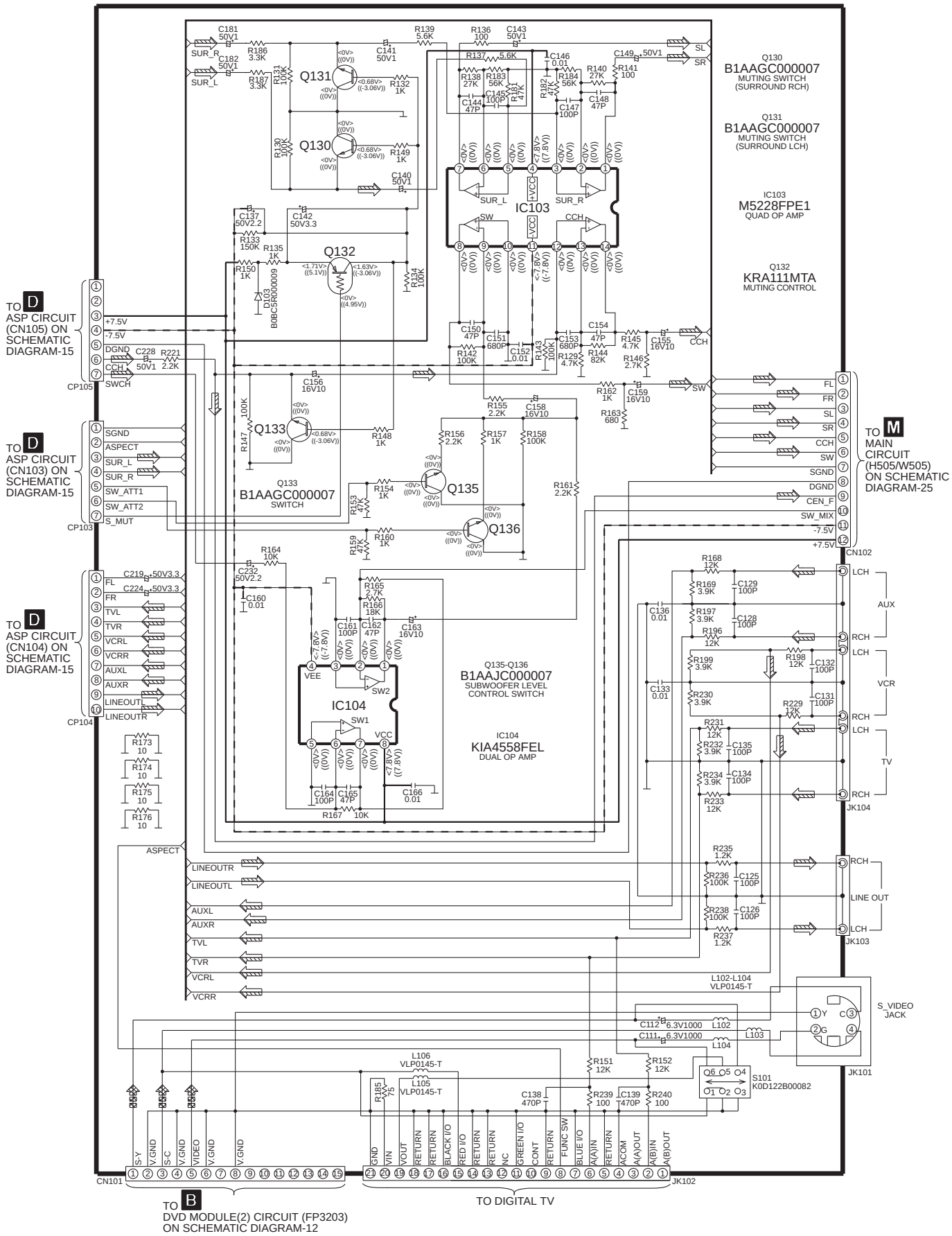



G
H
I
J
K
L
M
AV
S-VIDEO
VIDEO
JK102
S101
CN101
TO TUNER PACK UNIT
CP103
Q130
Q131
Q132
Q135
Q136
IC104
IC801
IC803
IC802
Q810
CP251
X801
CN804

SCHEMATIC DIAGRAM - 14

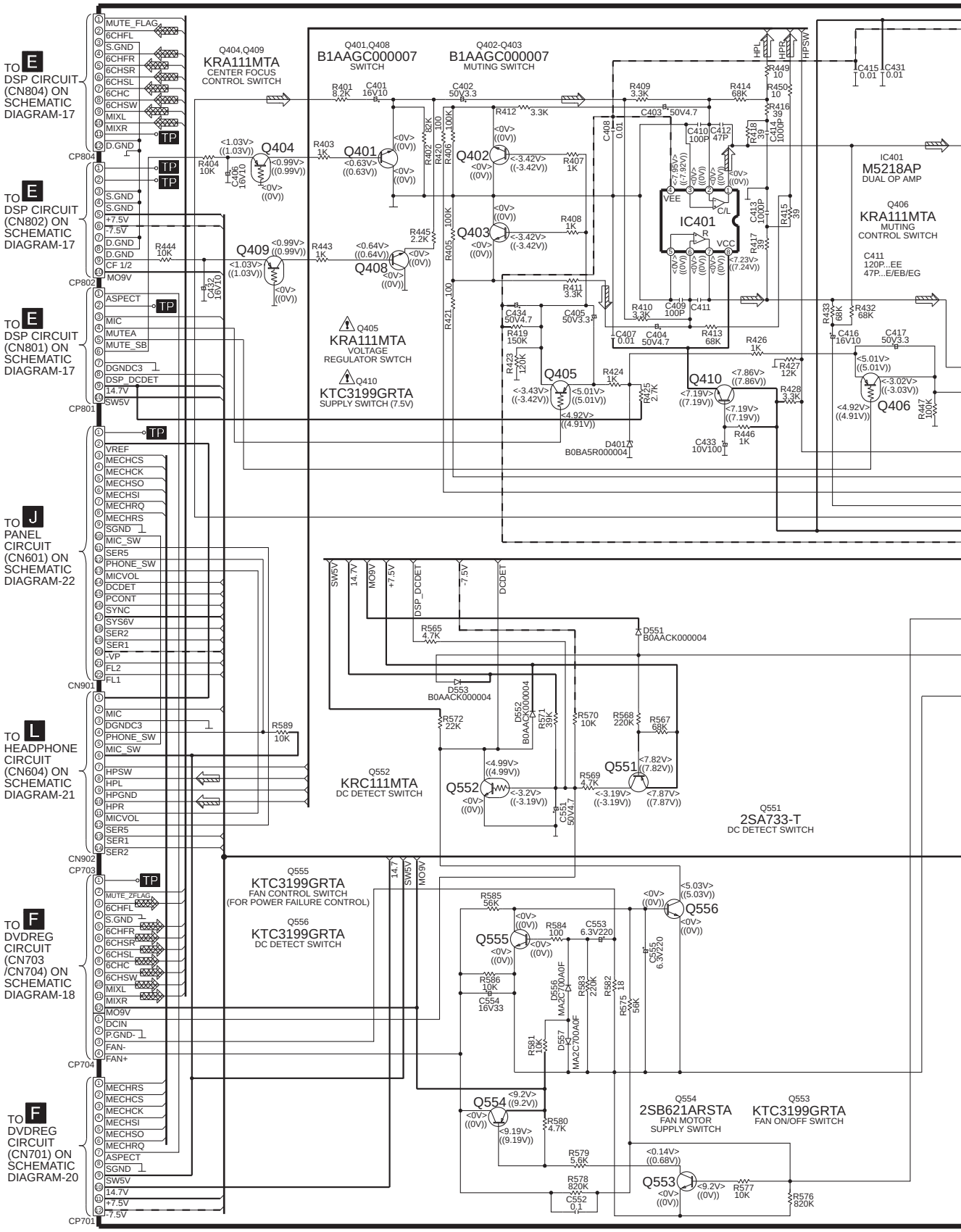
: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : DVD(VIDEO) SIGNAL LINE

C INPUT CIRCUIT



—— : +B SIGNAL LINE – – : -B SIGNAL LINE : DVD AUDIO SIGNAL LINE : MAIN SIGNAL LINE

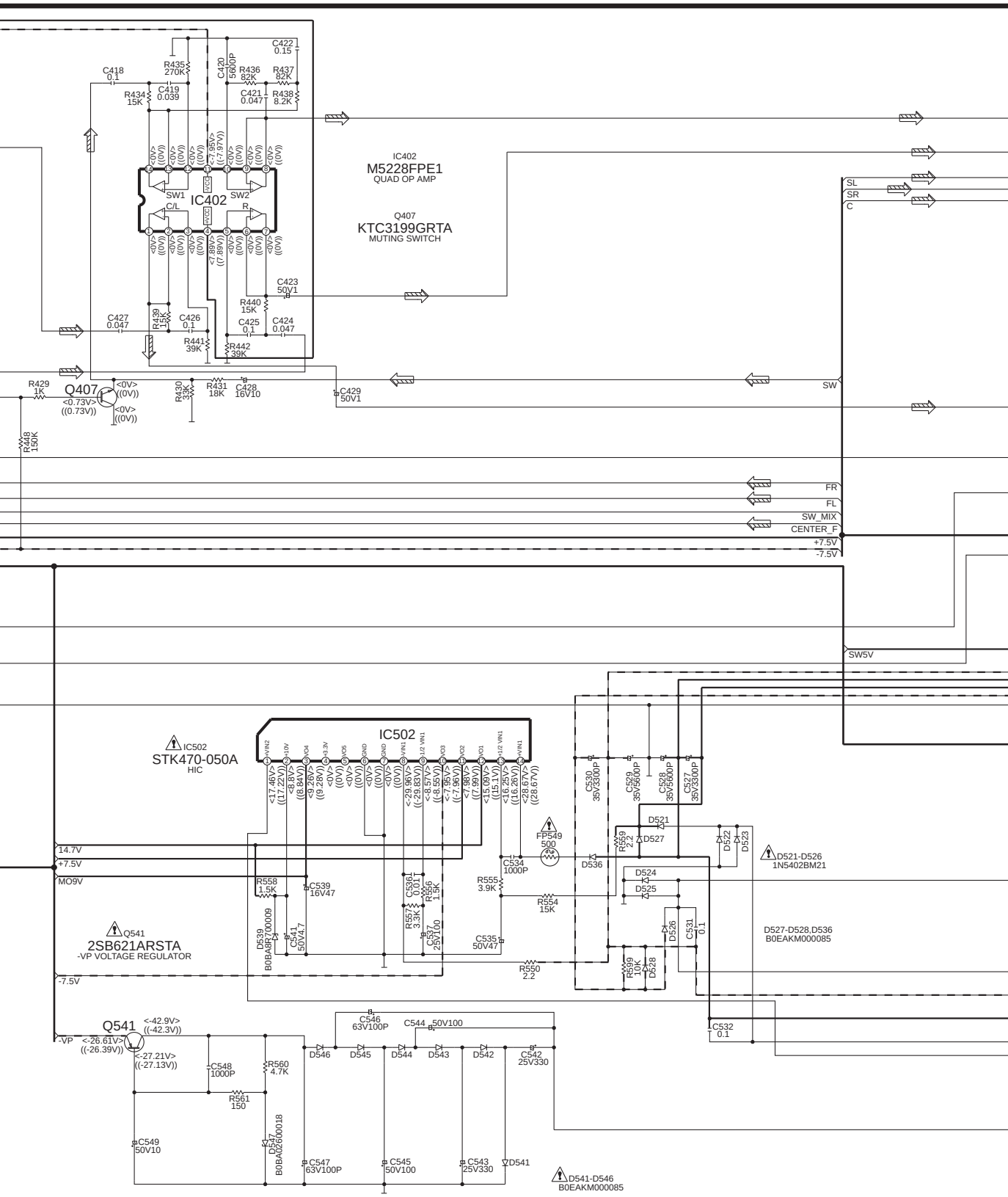
M MAIN CIRCUIT



SCHEMATIC DIAGRAM - 24

—— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

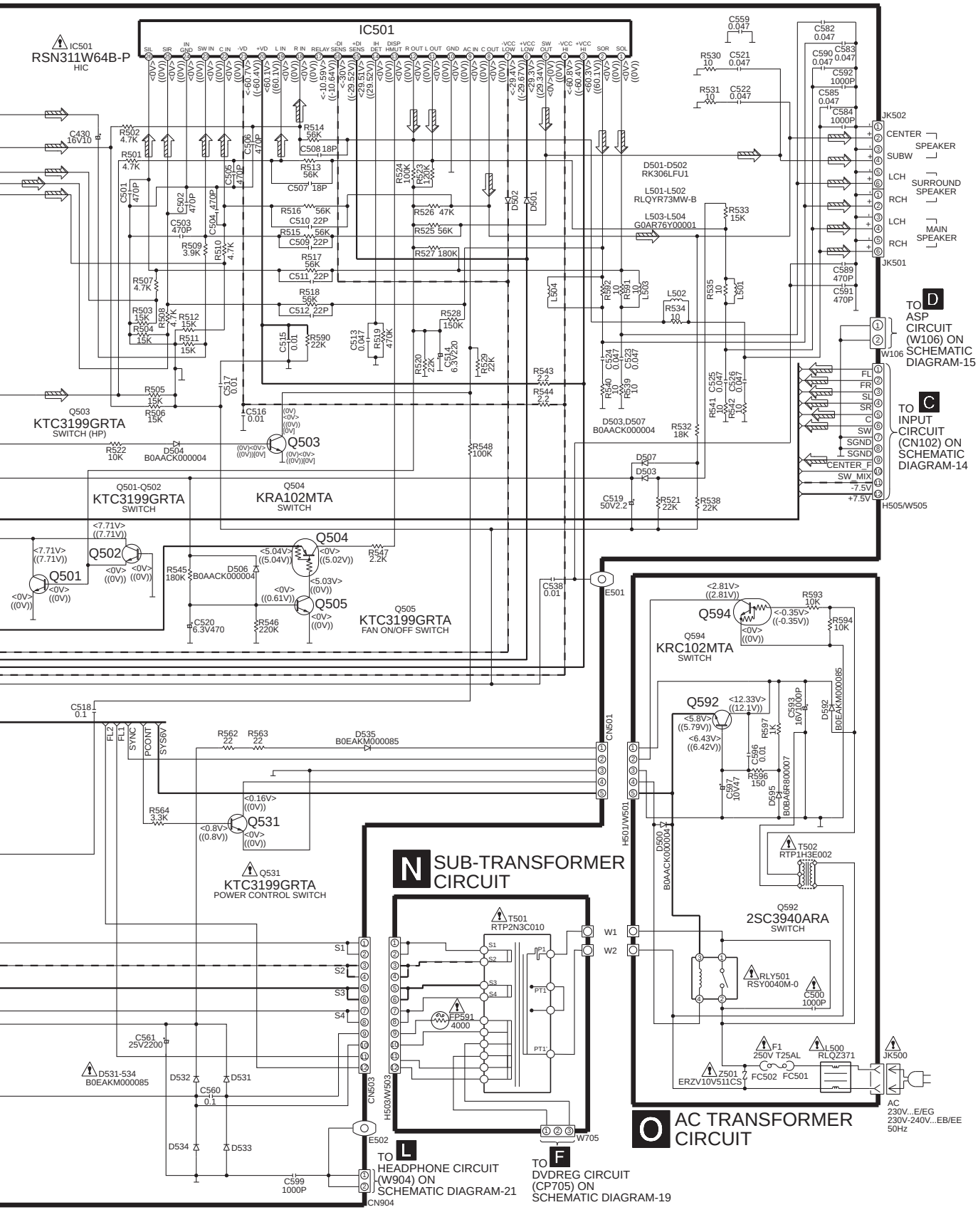
M MAIN CIRCUIT



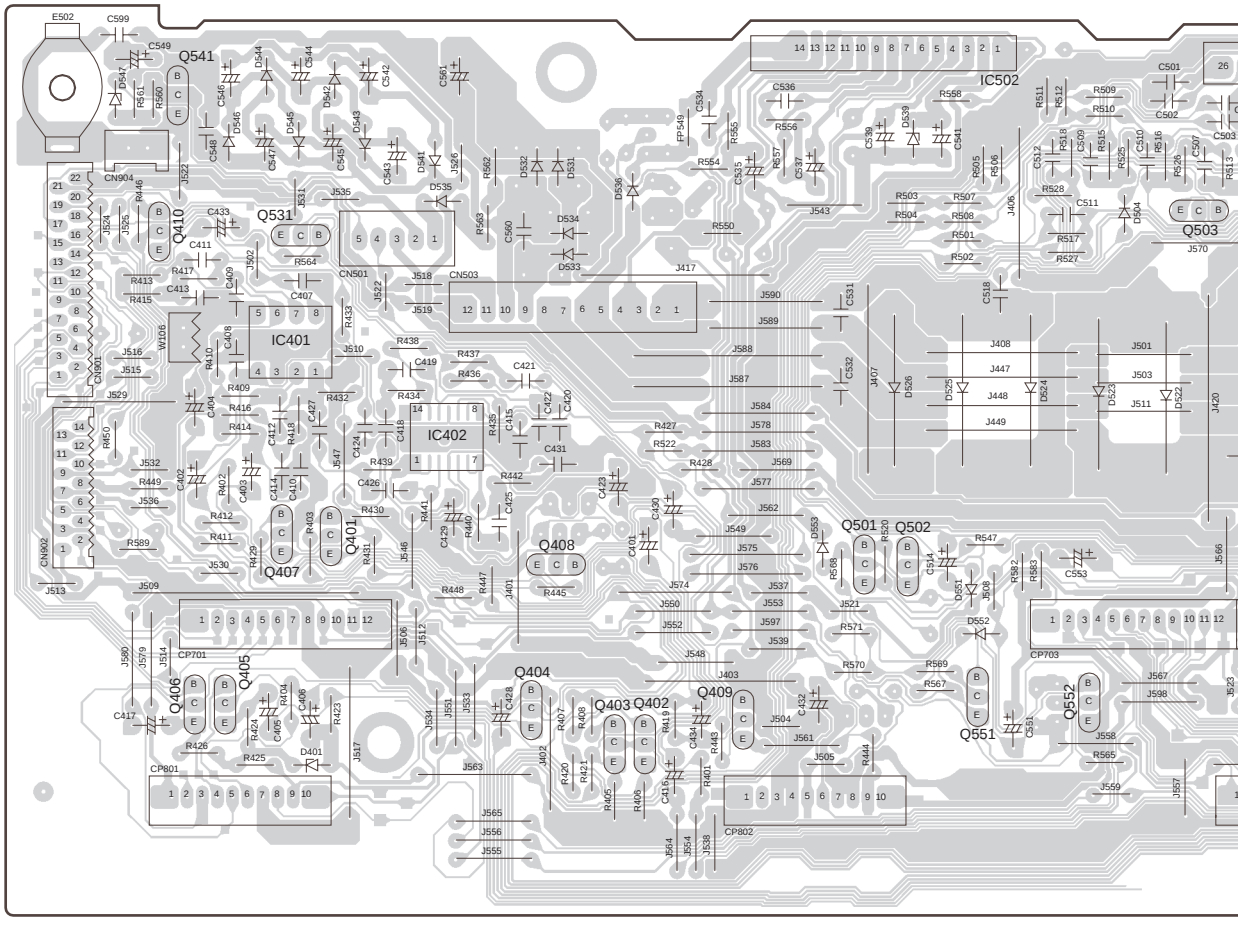
SCHEMATIC DIAGRAM - 25

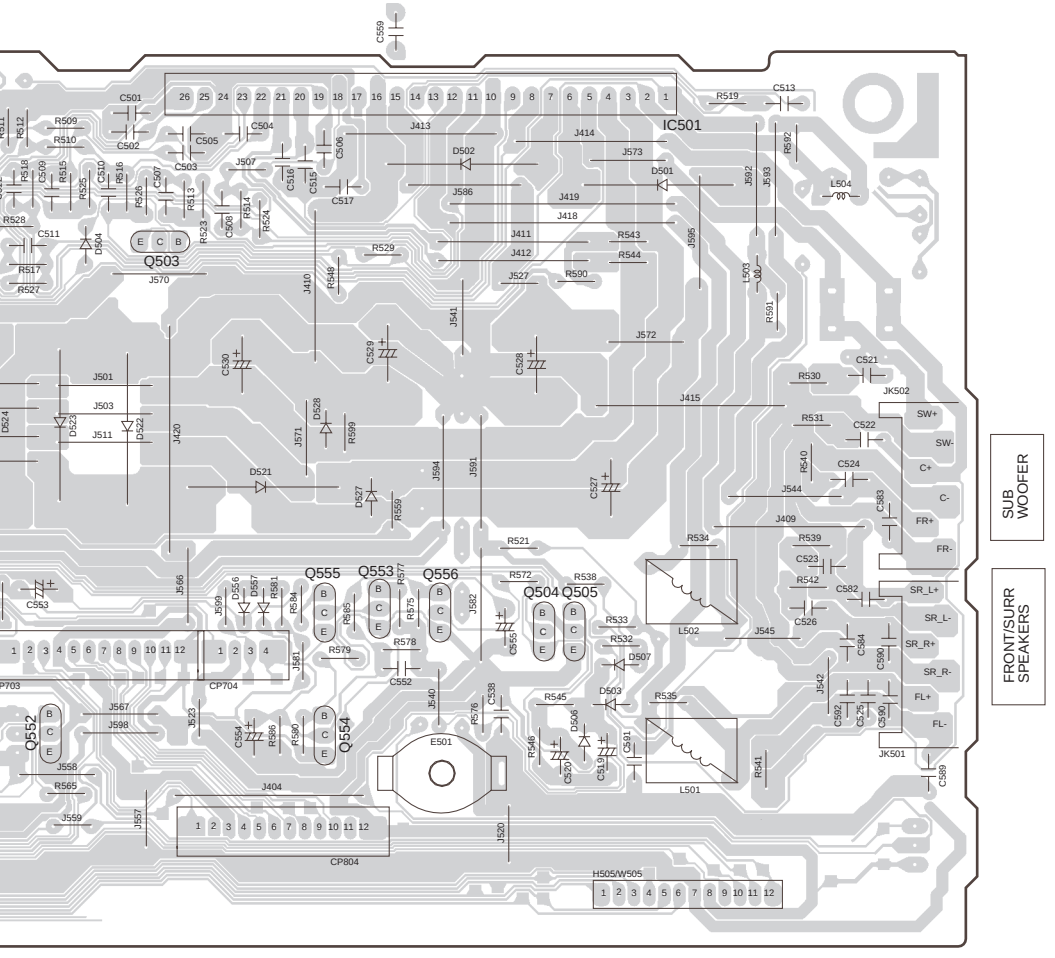
—— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

M MAIN CIRCUIT



M MAIN P.C.B. (REP3282C)

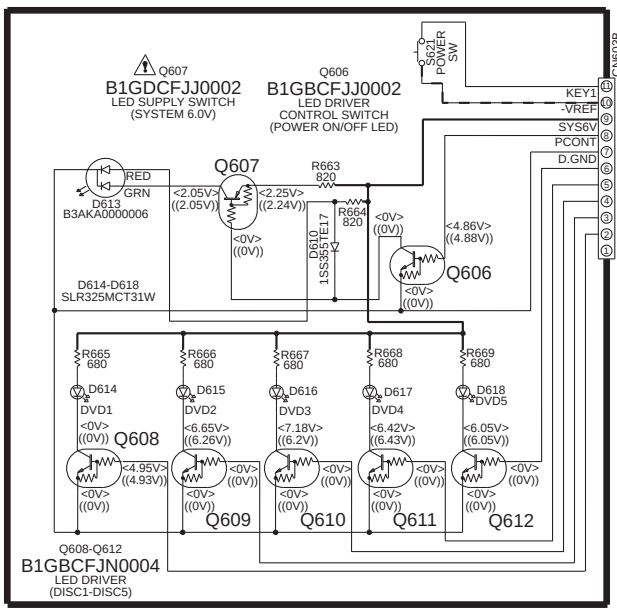



G
H
I
J
K
L
M
IC501
Q503
Q504 Q505
Q552
Q553
Q554
Q555
Q556
SUB WOOFER
FRONT/SURR SPEAKERS
SW+
SW-
C+
C-
FR+
FR-
SR_L+
SR_L-
SR_R+
SR_R-
FL+
FL-

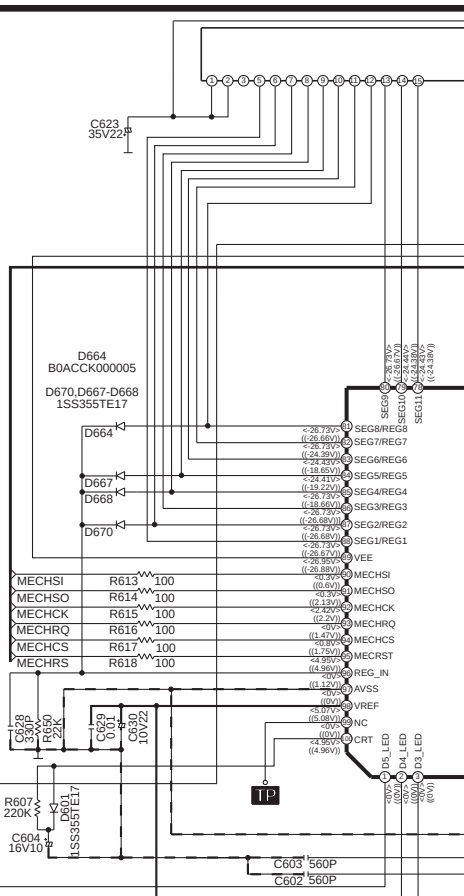
SCHEMATIC DIAGRAM - 21

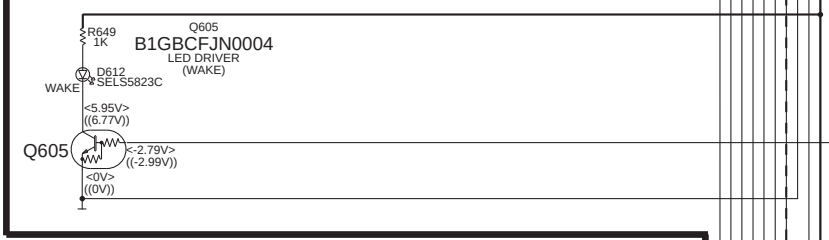
—— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

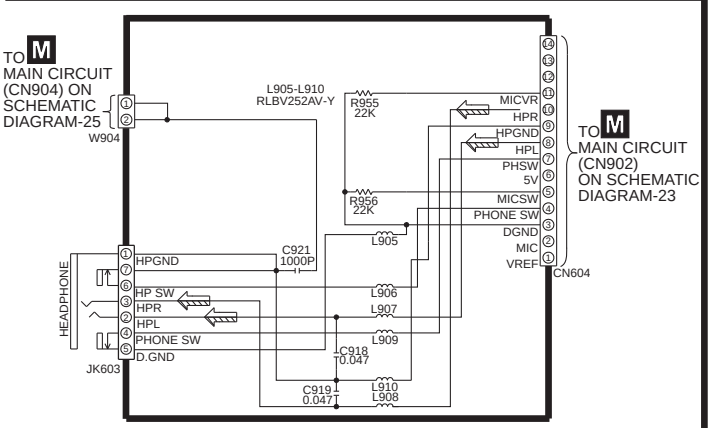
K POWER SWITCH CIRCUIT



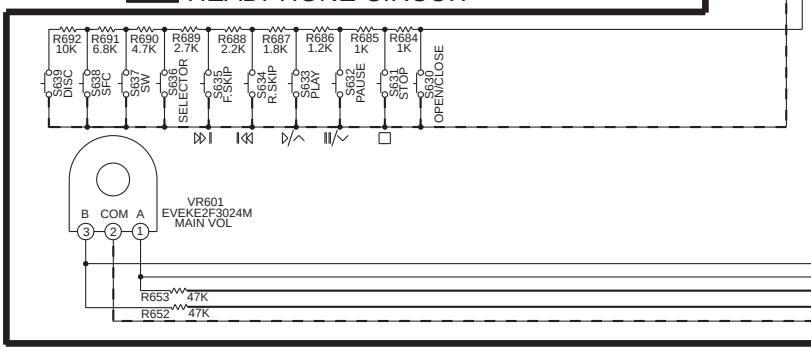
J PANEL CIRCUIT

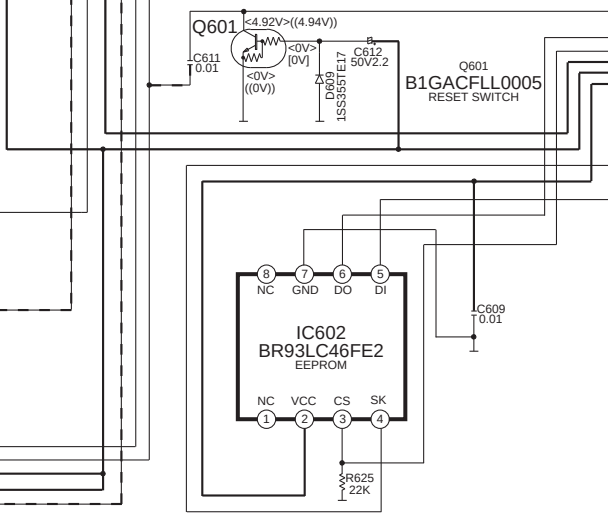






L HEADPHONE CIRCUIT

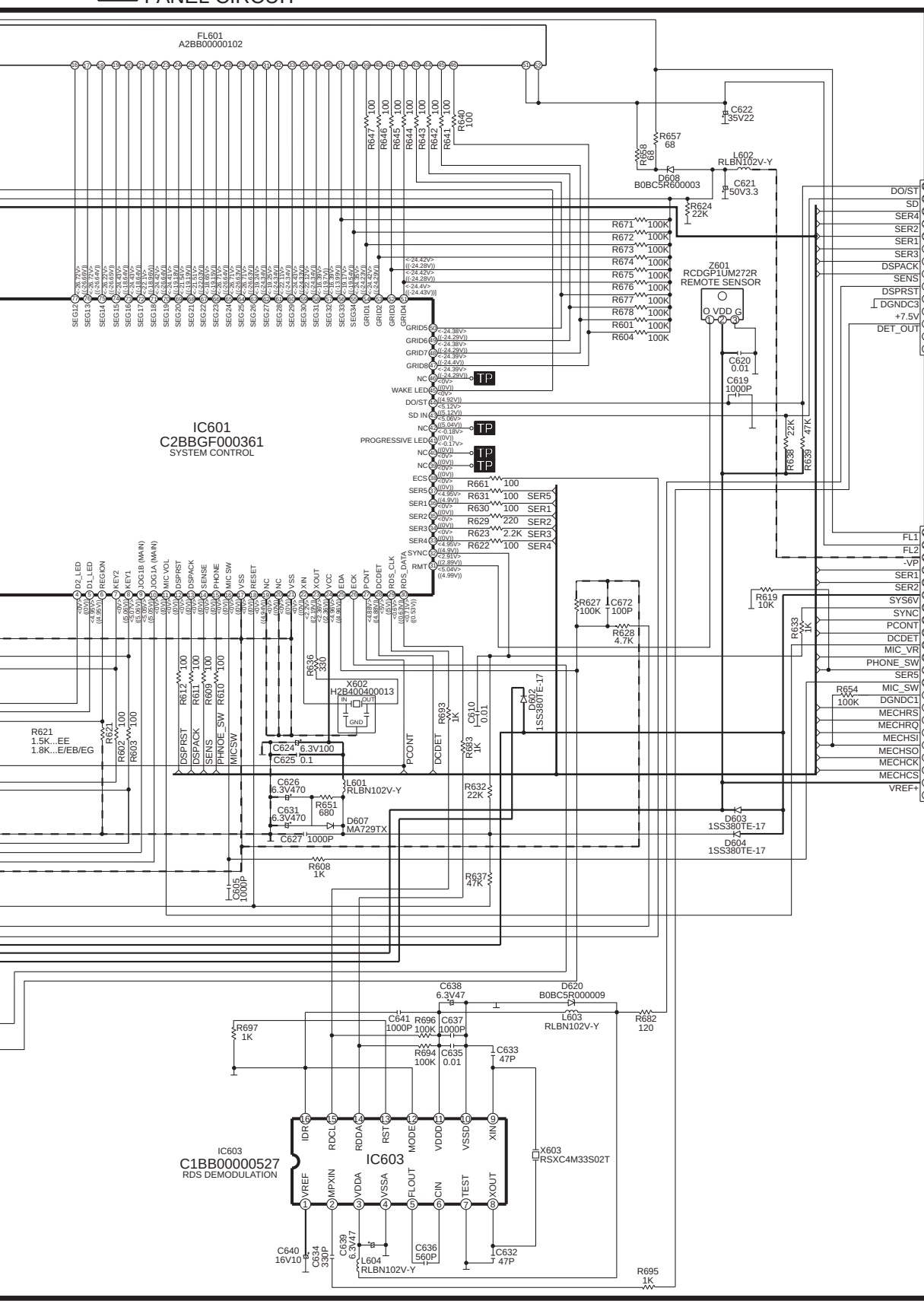




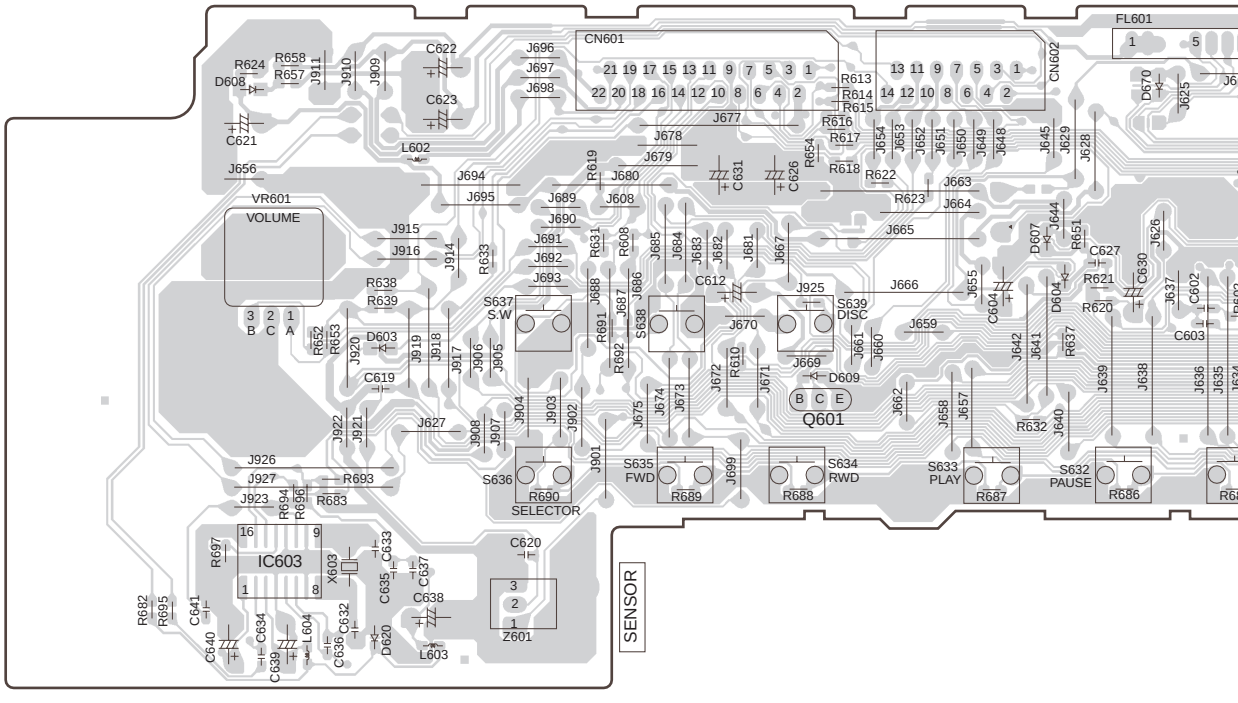
SCHEMATIC DIAGRAM - 22

—— : +B SIGNAL LINE – – : -B SIGNAL LINE

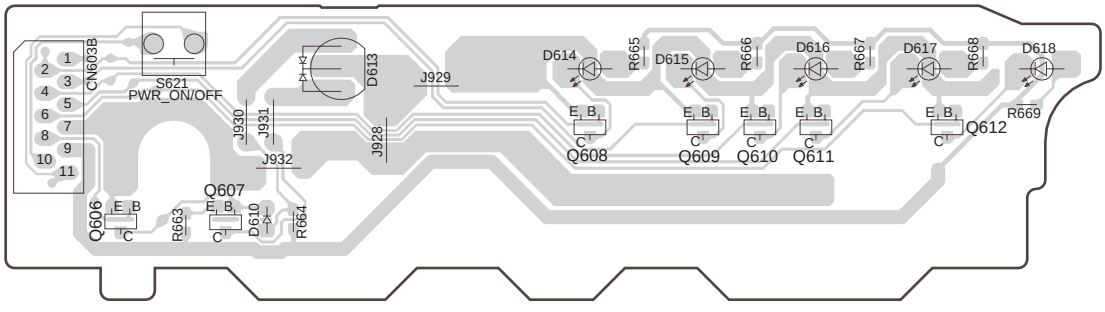
J PANEL CIRCUIT

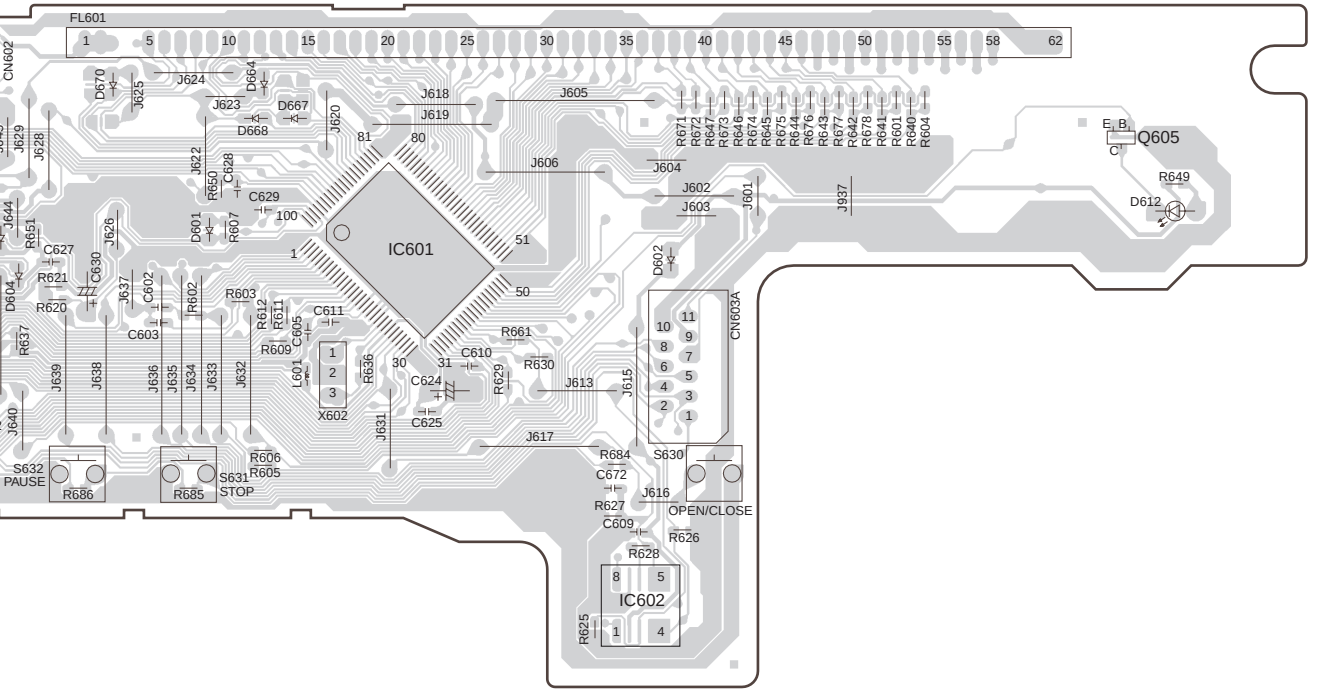


J PANEL P.C.B. (REP3284E...EE)

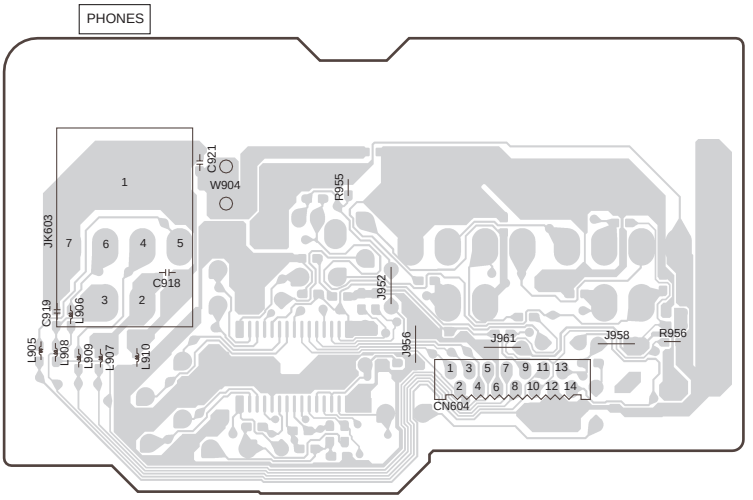


K POWER SWITCH P.C.B. (REP3284E...EE)

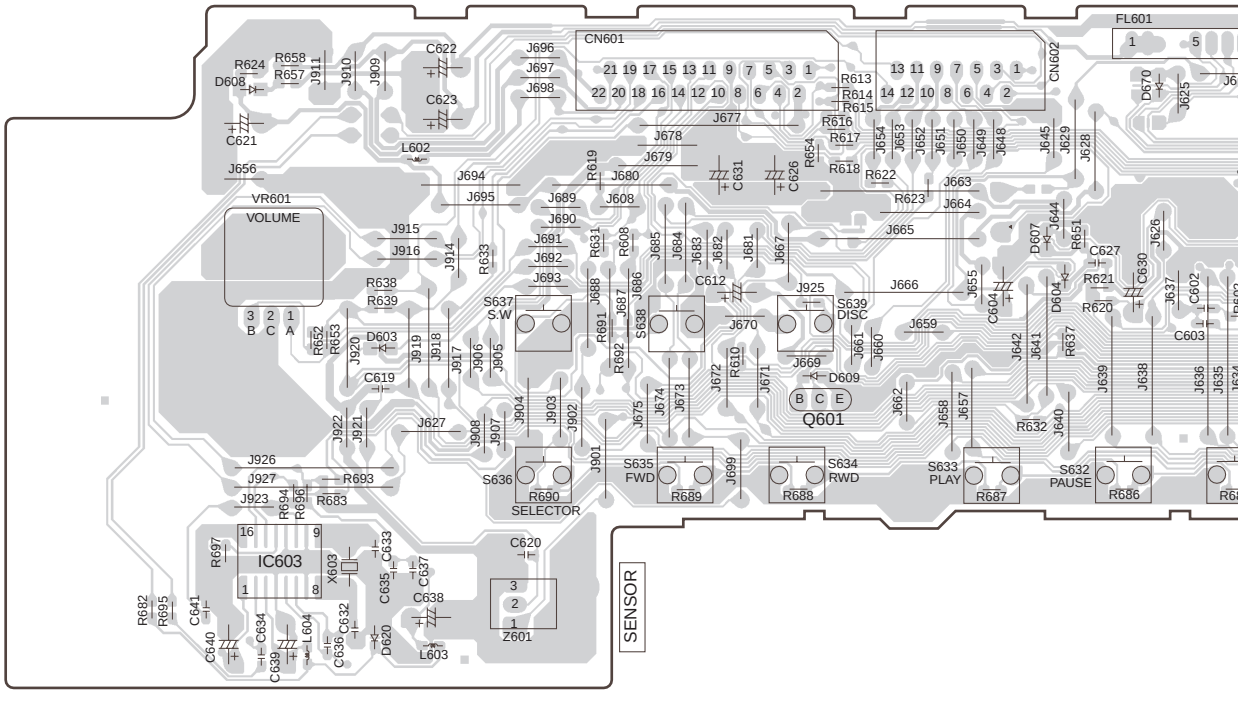




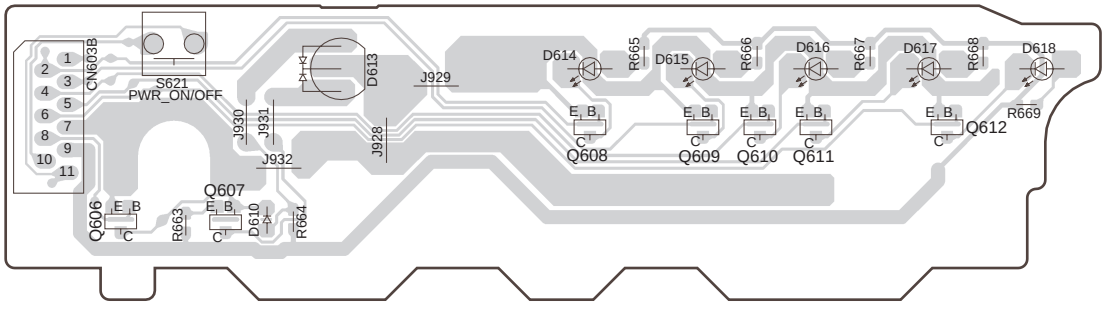
L HEADPHONE P.C.B. (REP3284E)

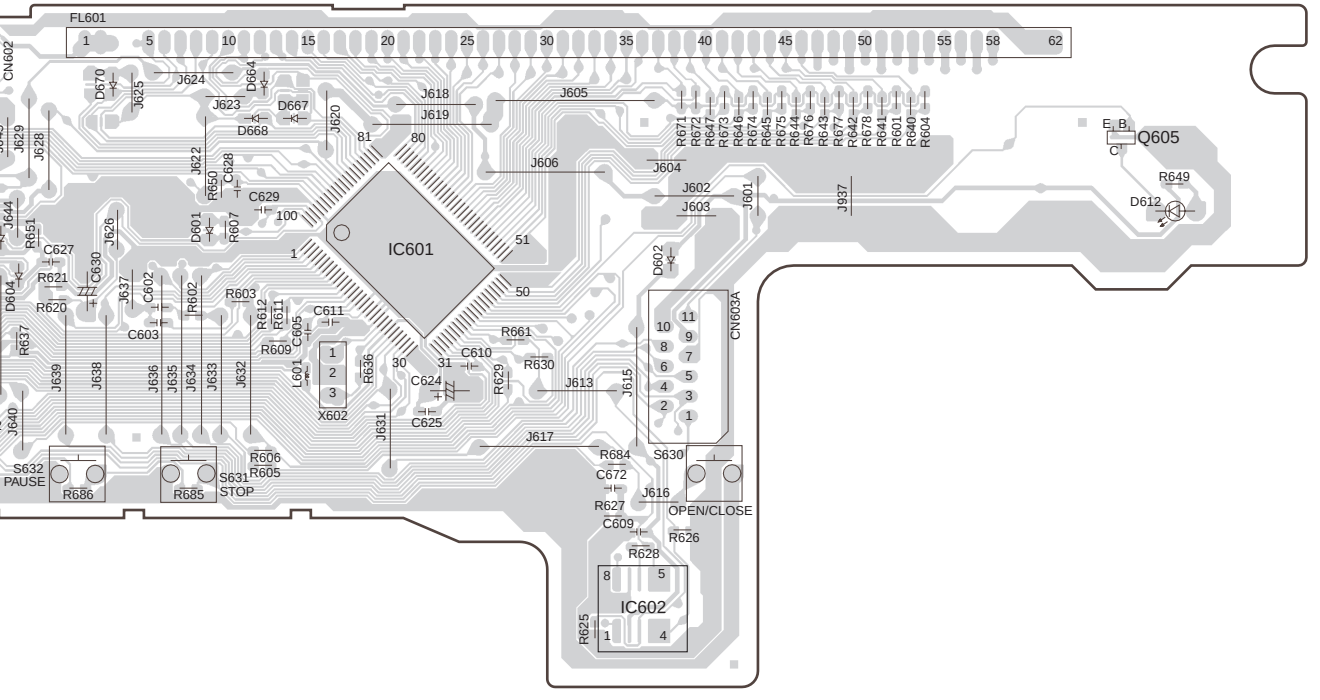


J PANEL P.C.B. (REP3284D...E/EB/EG)

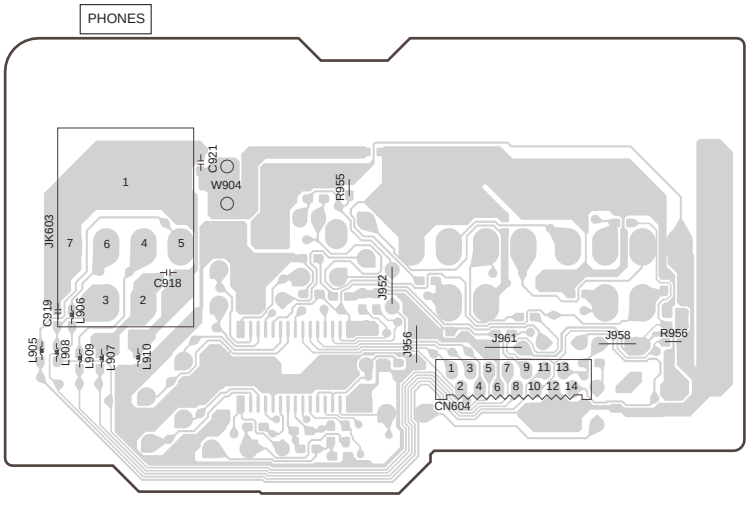


K POWER SWITCH P.C.B. (REP3284D...E/EB/EG)

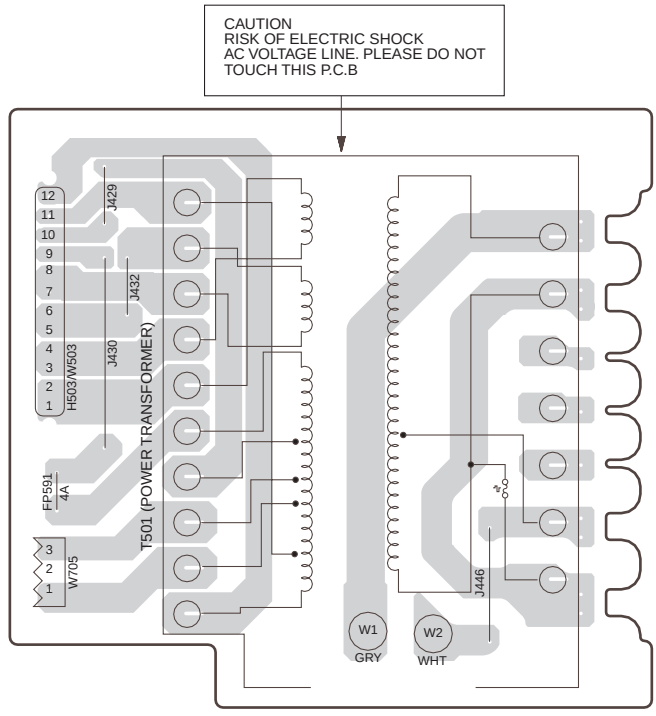




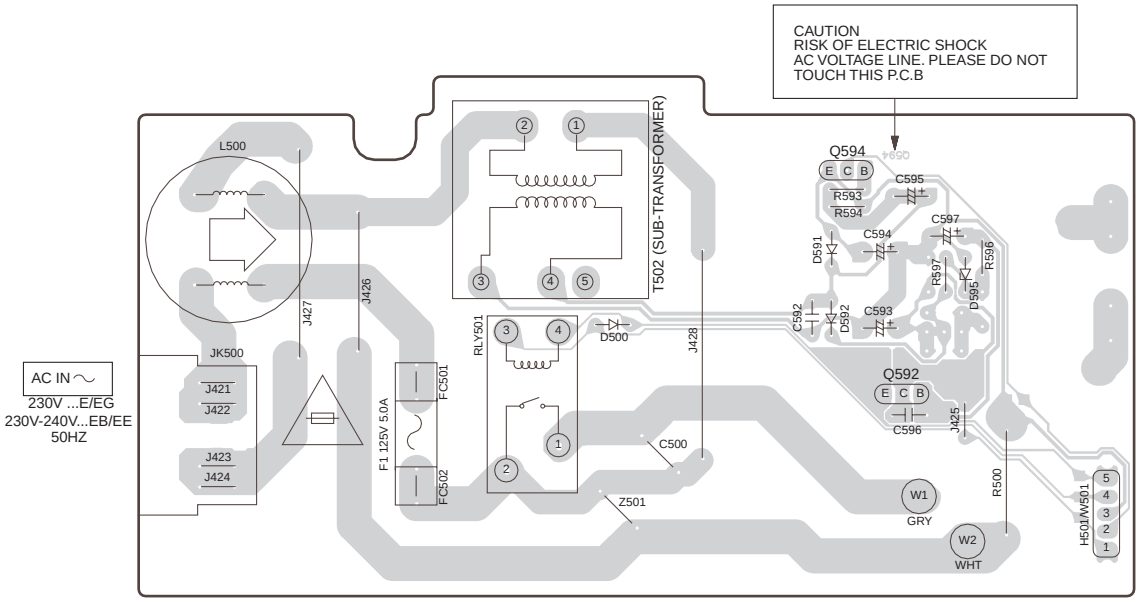
L HEADPHONE P.C.B. (REP3284D)



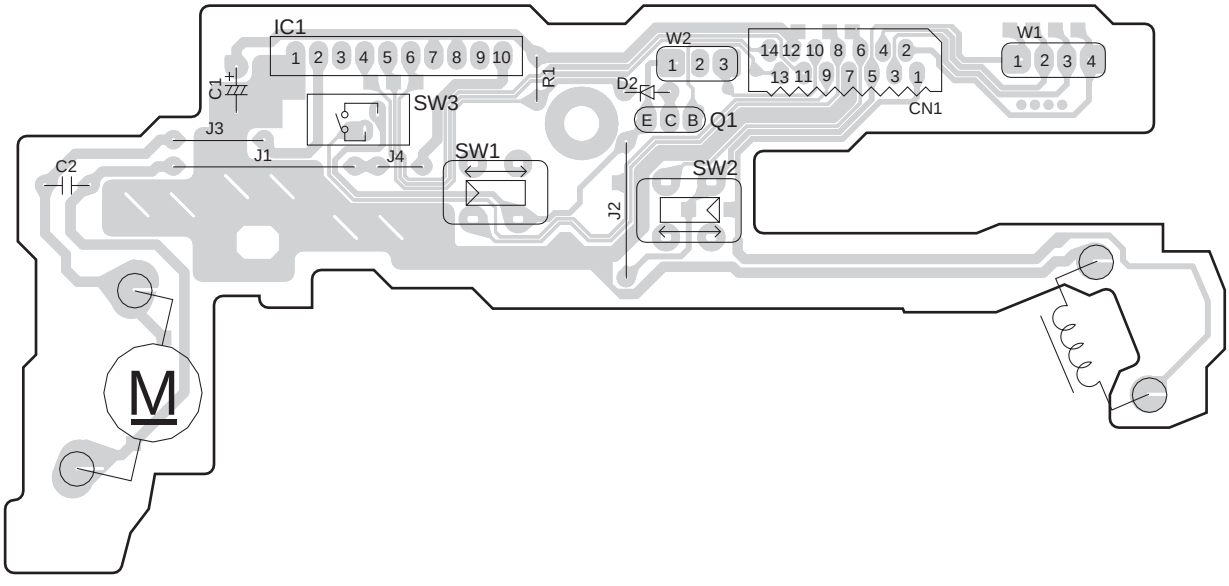
N SUB-TRANSFORMER P.C.B. (REP3282C)



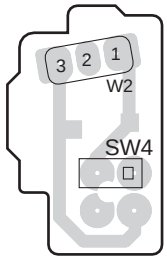
O AC TRANSFORMER P.C.B. (REP3282C)



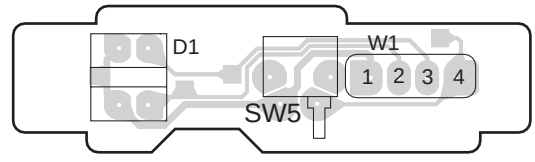
G CD LOADING P.C.B (REP2578A-N)

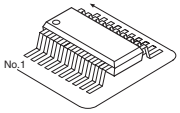


I CD DETECT P.C.B (REP2578A-N)



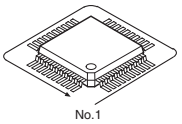
H SPINDLE POSITION P.C.B (REP2578A-N)





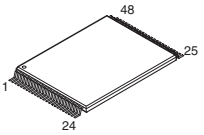
C0JBAR000292 (16P)
C1AB00001393 (16P)
C1DB00000582 (16P)
KIA4558FEL (8P)
M5228FPE1 (14P)
M62444FPE1 (42P)
NJU7313AMT2 (30P)

C2BBGF000311 (100P)
C2BBFD000307 (42P)
C2BBFD000344 (42P)
C3ABPG000068 (54P)



AN8703FH-V (64P)
C0FBBK000022 (48P)
C2HBZC000013 (80P)
MN677531KA (208P)
MN103S26EGA (176P)
MN102H60GFB (100P)

RFKFMA502160



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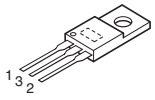
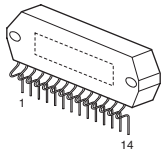
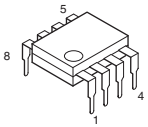


STK470-050A



M5218AP
BR93LC46FE2



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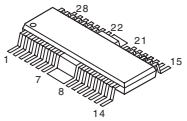

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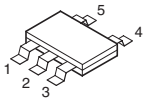
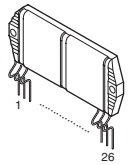
C0EBE0000070
C0JBAB000356



RSN311W64B-P



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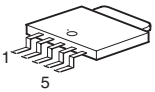

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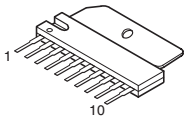

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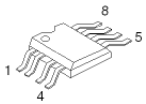

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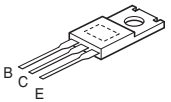

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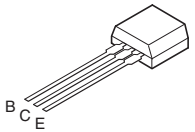

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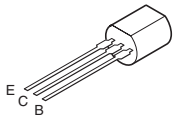

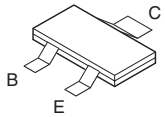

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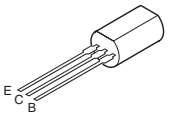

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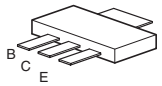

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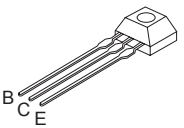

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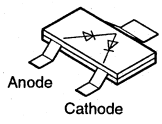

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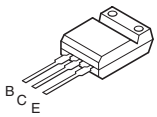

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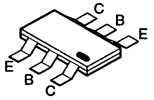

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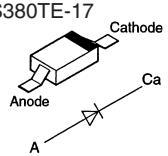

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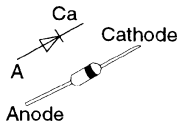

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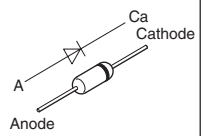

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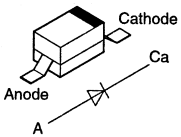

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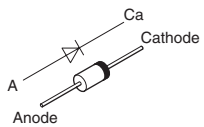

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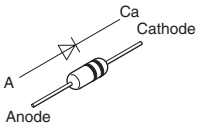

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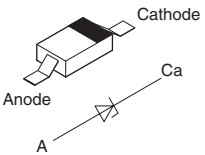

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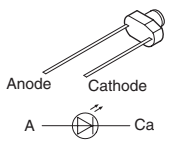

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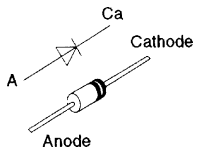

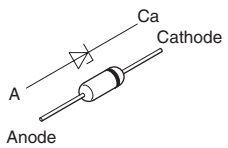

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