

# Service Manual

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ORDER NO. MD0207195C3

## Service Manual

CD Stereo System



- SA-VK700GC

Colour

(K)... Black Type

TAPE SECTION :

AR2 MECHANISM SERIES



### Specifications

#### AMPLIFIER SECTION

PMPO	4800 W
RMS power output	
THD 10% both channel driven	
Front 1 kHz (High channel)	90 W per channel (6Ω)
Front 80 Hz (Low channel)	85 W per channel (6Ω)
Surround 1 kHz	40 W per channel (8Ω)
Total Bi-Amp power	215 W per channel
Input sensitivity	
AUX	250 mV
MIC	0.7 mV
Input Impedance	
AUX	13.3 kΩ

MIC 680Ω

#### FM TUNER SECTION

Frequency range 87.50 – 108.00 MHz (50 kHz steps)

Sensitivity 2.5μV (IHF)

S/N 26 dB 2.2μV

Antenna terminal(s) 75Ω (unbalanced)

#### AM TUNER SECTION

Frequency range 522 – 1629 kHz (9 kHz steps)

520 – 1630 MHz (10 kHz steps)

Sensitivity

S/N 20 dB (at 999 kHz) 560μV/m

#### CASSETTE DECK SECTION

Track system 4 track, 2 channel

Heads

Record/playback Solid permalloy head

Erasure Double gap ferrite head

Motor DC servo motor

Recording system AC bias 100 kHz

Erasing system AC erase 100 kHz

Tape speed 4.8 cm/s

Frequency response (+3 dB, -6 dB at DECK OUT)

NORMAL (TYPE I) 35 Hz – 14 kHz

HIGH (TYPE II) 35 Hz – 14 kHz

S/N 50 dB (A weighted)

Wow and flutter 0.18% (WRMS)

Fast forward and rewind time Approx. 120 seconds with

C-60 cassette tape

#### CD SECTION

Sampling frequency 44.1 kHz

Decoding 16 bit linear

Beam source/wave length Semiconductor laser/780 nm

Number of channels Stereo

Frequency response 20 Hz – 20 kHz (+1, -2 dB)

Wow and flutter Below measurable limit

Digital filter 8 fs

D/A converter MASH (1 bit DAC)

Video CD

Video data Based on MPEG 1

Audio data Based on MPEG 1 Layer 2

Video output

	NTSC/PAL
Output voltage	1 V <sub>p-p</sub> , 75Ω
Physical format	Based on CD-ROM format
MP3	
MP3 decode	Based on MPEG 1 Layer 3
Bitrate	32 kbps – 320 kbps
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz

**GENERAL**

Power supply	AC 110 V/127 V/220 – 230 V/ 240 V, 50/60 Hz
Power consumption	240 W
Power consumption in standby mode	Approx. 0.9 W
Dimensions (W x H x D)	250 x 335 x 367 mm
Mass	9.8 kg

**SYSTEM**

SC-VK700(GC)	Front speakers: SB-VK800(GC)
	Surround speakers: SB-PS70(GC)
	Music center: SA-VK700(GC)

**Notes:**

1. Specifications are subject to change without notice. Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.
3. The labels "HIGH" and "LOW" on the rear of the speakers refer to High frequency and Low frequency.

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 **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 Use

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Be sure to disconnect the mains cord before adjusting the voltage selector.

Use a minus(-) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used. (If the power supply in your area is 117V or 120V, set to the “127V” position.)

Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries, the correct voltage is already set.)

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## 2 Before Repair and Adjustment

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Disconnect AC power, discharge Power Supply Capacitors C531, C532, C533, C534, C588, C589, C598, C599 & C954 through a 10  $\Omega$ , 5W resistor to ground.

DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

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

Current consumption at AC 110 V, 50 Hz and AC 240 V, 50 Hz in NO SIGNAL mode should be ~900mA and ~900mA respectively.

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## 3 Protection Circuitry

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

- No sound is heard when the power is turned on.
- Sound 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 of the 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.

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# 4 Accessories

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Remote Control Transmitter



FM indoor antenna



AC power supply cord



Power plug adaptor



AM Loop antenna



Video connection



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# 5 Handling Precautions For Traverse Deck

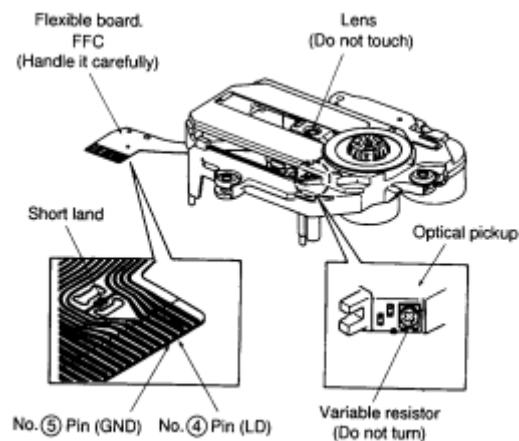
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The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by static electricity of clothes or human body.

So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

- [Handling of traverse deck \(optical pickup\)](#)

1. Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
2. The short land between the No.4(LD) and No.5(GND) pins on the flexible board (FFC) is shorted with a solder build-up to prevent damage to the laser diode. To connect to the PC board, be sure to open by removing the solder build-up, and finish the work quickly.
3. Take care not to apply excessive stress to the flexible board (FFC).
4. Do not turn the variable resistor (laser power adjustment). It has already been adjusted.



- [Grounding for electrostatic breakdown prevention](#)

1. Human body grounding

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



## 2. Work table grounding

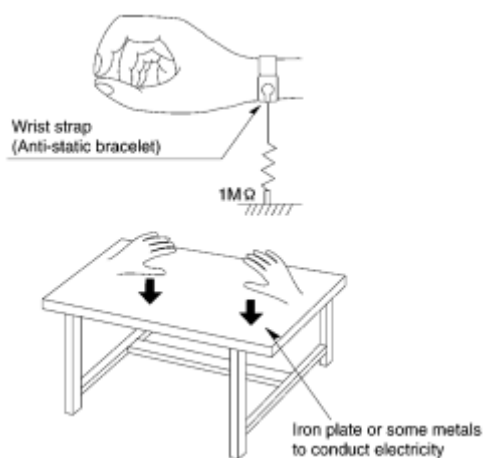
Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is placed, and ground the sheet.

### Caution :

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

### Caution when Replacing the Traverse Deck :

The traverse deck has a short point shorted with solder to protect the laser diode against electrostatic breakdown. Be sure to remove the solder from the short point before making connections.



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## 6 Precaution of Laser Diode

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### Caution :

This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens.

Wavelength : 780 nm

Maximum output radiation power from pick up : 100  $\mu$ W/VDE

Laser radiation from pick 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

Die Strahlung 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 Lasereinheit 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.

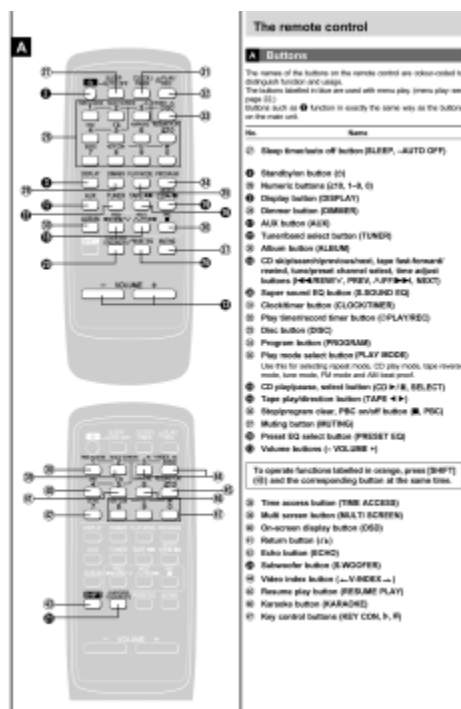
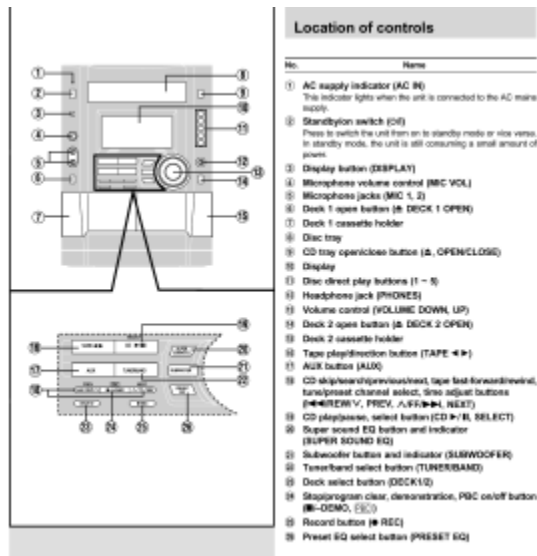
### Use of Caution Labels



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# 7 Operation Procedures

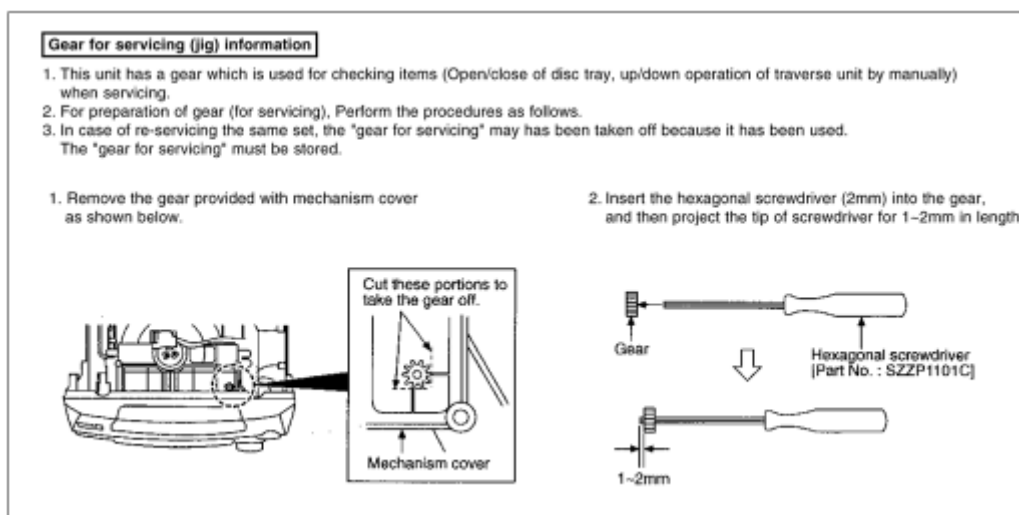
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# 8 Disassembly and Main Component Replacement Procedures

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## “ATTENTION SERVICER”

Some chassis components may have sharp edges.

Be careful when disassembling and servicing.

- This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- For reassembly after operation checks or replacement, reverse the respective procedures.

Special reassembly procedures are described only when required.

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

### Warning:

This product uses a laser diode. Refer to caution statement “Precaution of Laser Diode.

### 8.1 Disassembly Procedure for each major P.C.B.

[8.1.1 Checking of the Main, Panel, Deck and Power P.C.B.](#)

[8.2 Main Component Replacement Procedures](#)

[8.2.1 Replacement of the Traverse Deck](#)

[8.2.2 Replacement of the Power Amplifier IC](#)

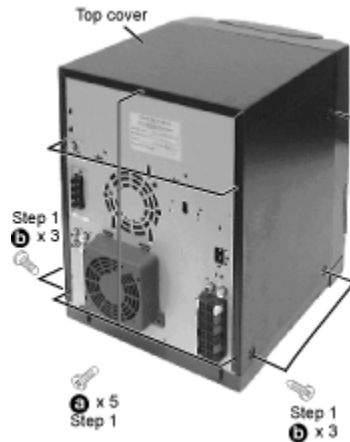
[8.3 Disassembly and assembly of the Traverse Unit](#)

[8.4 Disassembly and assembly of the Disc Tray](#)

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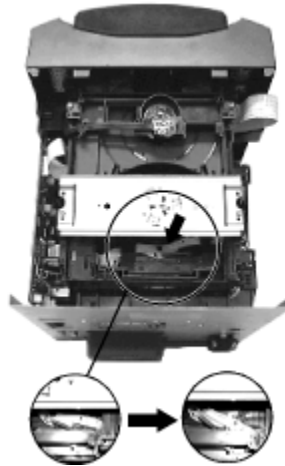
## 8.1.1 Checking of the Main, Panel, Deck and Power P.C.B.

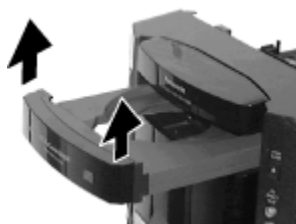
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**Step 1** Remove 11 screw.

**Step 2** Push the lever in the direction of the arrow.



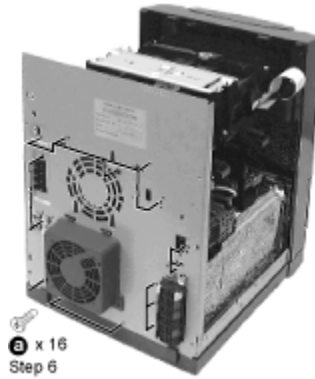


**Step 4** Pull out the CD tray as shown and remove the CD lid. Push back the CD tray after the CD lid has been removed.



**Step 5** Release the 2 catches, disconnect CN309 and CN310 remove the CD changer base together with the CD changer.



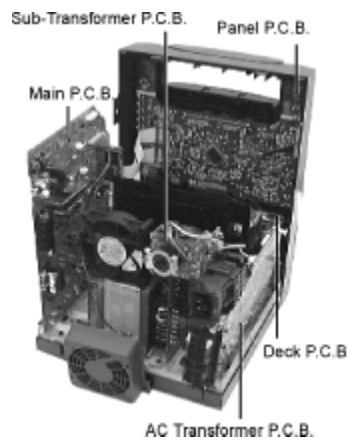


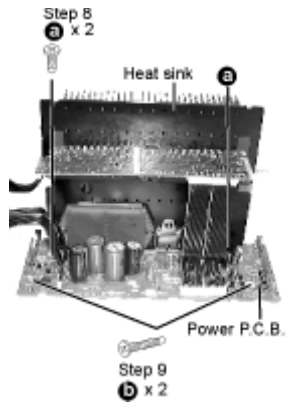
Step 6 Remove 16 screws.



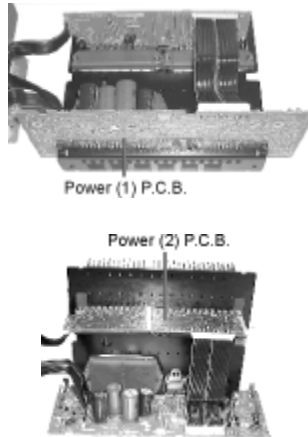
Step 7 Remove 4 screws.

- Checking for Main, Panel , Transformer, Sub-Transformer and Deck P.C.B





- Checking for Power (1) & (2) P.C.B.

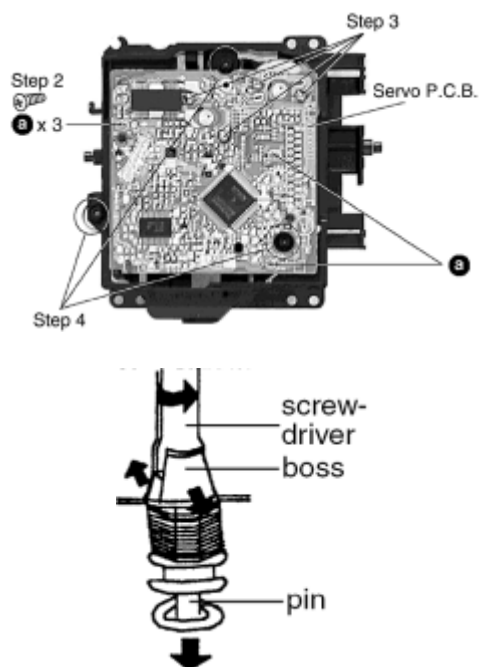


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## 8.2.1 Replacement of the Traverse Deck

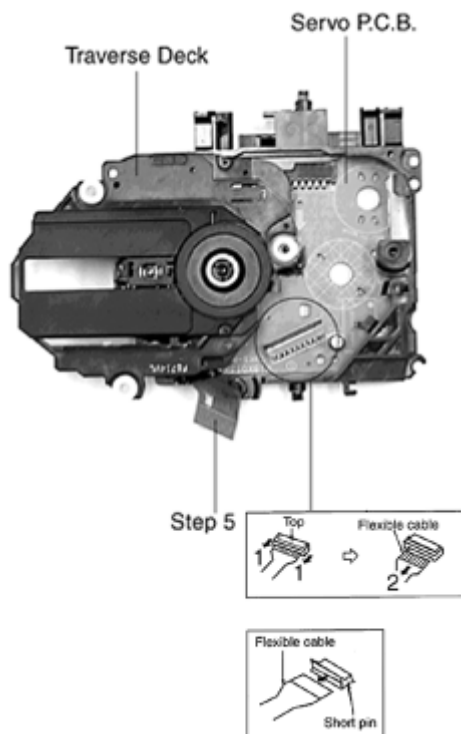
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**Step 1** Follow the procedures in 'Disassembly of the Traverse Unit' ( [Step 1](#) – [Step 4](#) ).



**Step 3** Desolder the 4 legs of the 2 motors and pull out the Servo P.C.B.

**Step 4** Widen the 3 bosses with a flat screwdriver and pull out the 3 pins. Then remove the Traverse Deck.



**Step 5** Remove the flexible cable CN701.

- Removal of the flexible cable. Push the top of the connector in the direction of the arrow 1, and then pull out the flexible cable in the direction of the arrow 2.

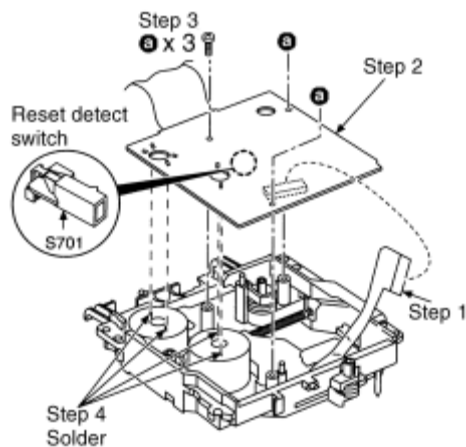
Note:

Insert a short pin into the flexible cable for traverse unit.

- **Installation of the CD servo P.C.B. after replacement**

**Step 1** Connect the FFC board.

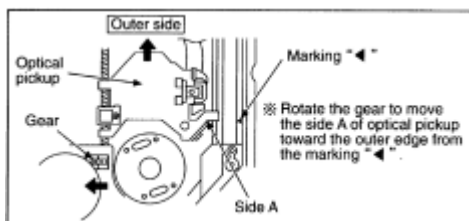
**Step 2** Install the CD servo P.C.B. in the traverse deck assembly.



Note:

Before installing the CD servo P.C.B., move the optical pickup towards the outer edge from the marking (black triangle).

[Otherwise, the reset detect switch (S701) mounted on the CD servo P.C.B. may be damaged.]

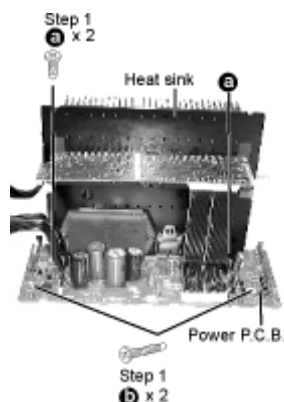


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## 8.2.2 Replacement of the Power Amplifier IC

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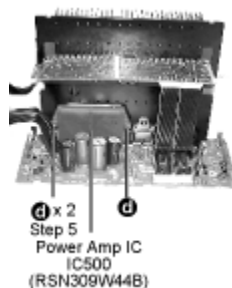
**Step 1** Follow the procedures in ‘Checking Procedure for each major P.C.B.’ ( [Step 1 – Step 4](#) ).



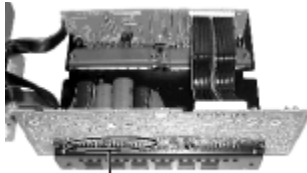
**Step 2** Remove the wires at CN302, CN303 and CN304 and pull out the Main PCB.



**Step 3** Remove the 2 screws fixed to the Power Amplifier IC.



**Step 4** Unsolder the terminals of Power Amp IC and replace the respective component.



Step 4

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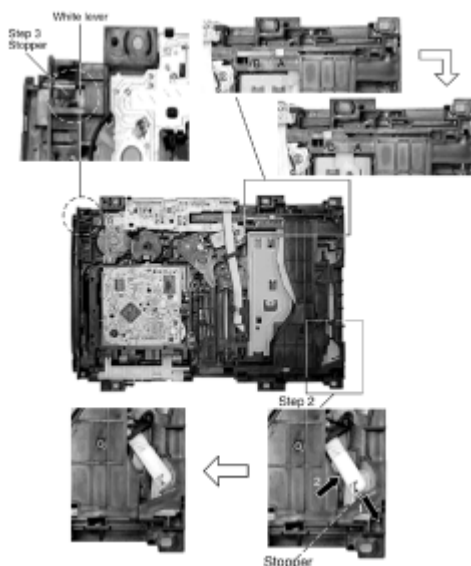
## 8.3 Disassembly and assembly of the Traverse Unit

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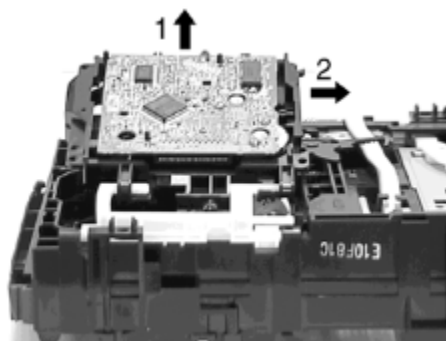
**Step 1** Push the lever from position A to B.

**Step 2** Pull the stopper (black) in the direction of arrow 1 and push the lever in the direction of arrow 2.

**Step 3** Push the stopper (black) down until the white lever eject out.



**Step 4** Lift up the traverse unit and slide out the unit as shown.

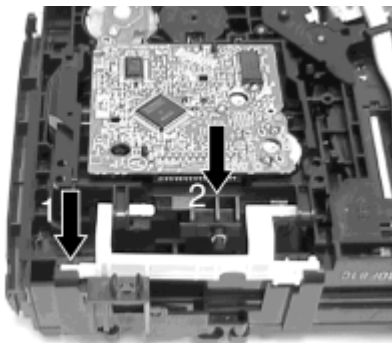


- [Replacement of Traverse Unit](#)

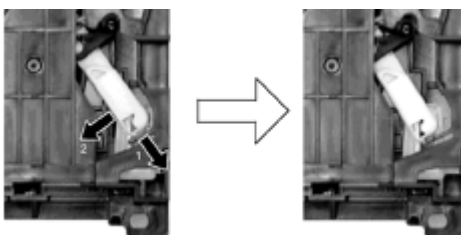


**Step 1** Place the traverse unit as shown.

**Step 2** Press in the lever shaft in the direction of arrow 1 as shown and push the traverse unit into the position in the direction of arrow 2.



**Step 3** Pull the stopper in the direction of arrow 1 and release the lever in the direction of arrow 2 as shown.



**Step 4** Pull out the tray half way and push it back fully.



**Step 5** Push the lever to the initial position indicated '|---|'.

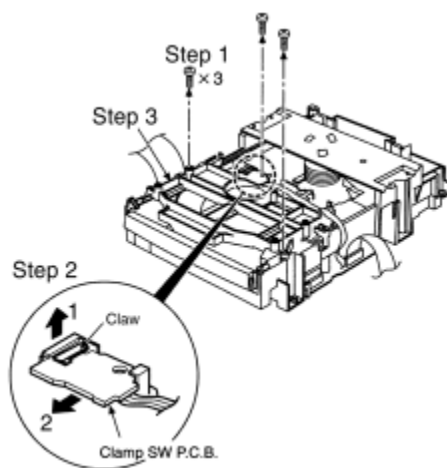


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## 8.4 Disassembly and assembly of the Disc Tray

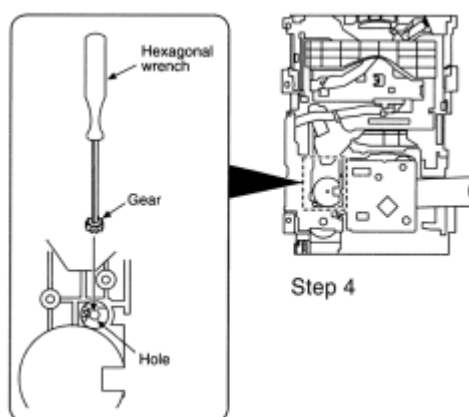
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**Step 1** Remove 3 screws.

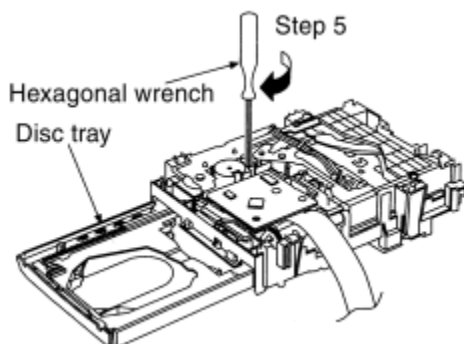


**Step 2** With lifting the claw in the direction of arrow 1, push the CD Detect P.C.B. in the direction of arrow 2.

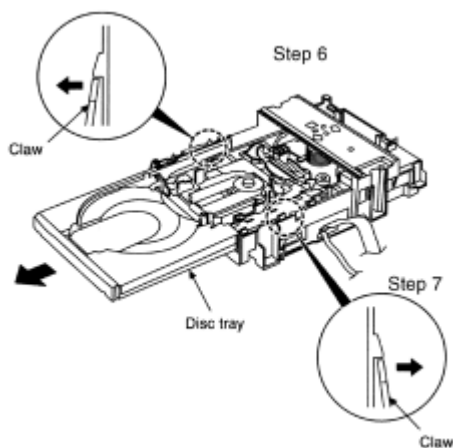
**Step 3** Remove the mechanism cover.



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

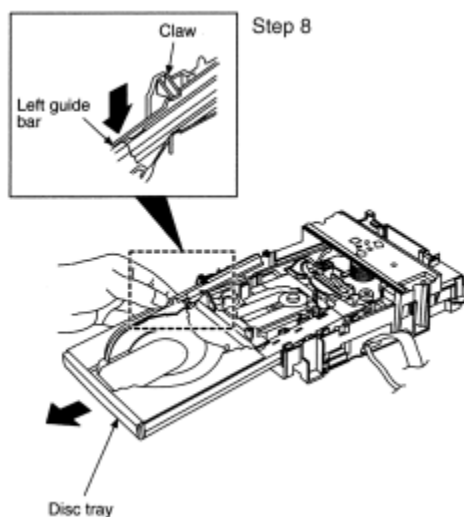


**Step 5** Rotate the hexagonal wrench in the direction of arrow (clockwise), and then open the disc tray fully.



**Step 6** Upset the CD changer unit again.

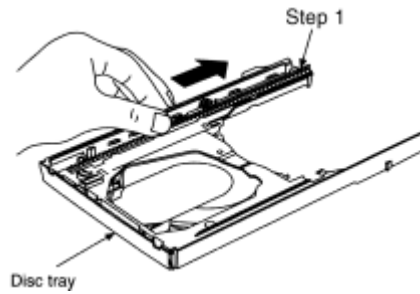
**Step 7** Release both the claws, and then draw the disc tray.



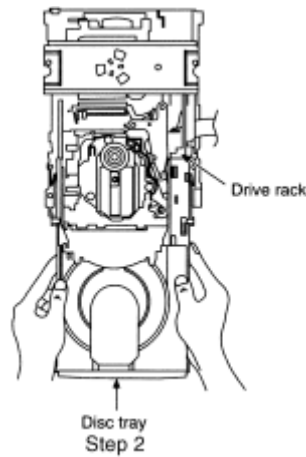
**Step 8** With forcing the left guide bar manually because the left guide bar interferes with claw, draw

the disc tray.

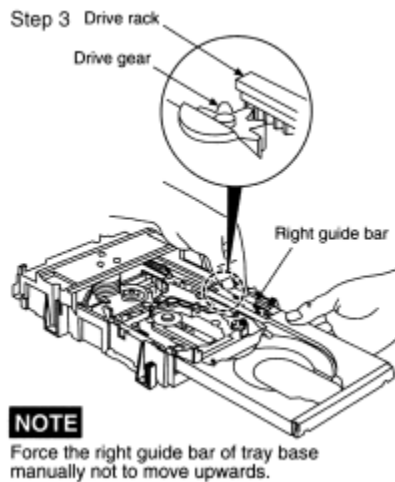
- Installation of the disc tray after replacement



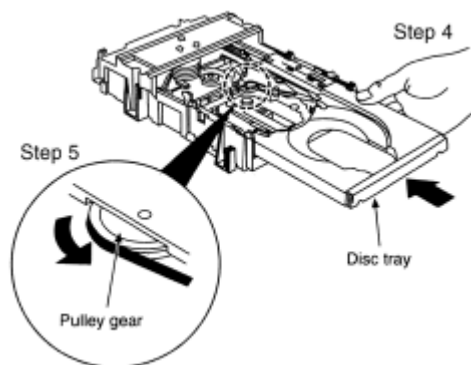
**Step 1** Slide the drive rack fully in the direction of the arrow.



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



**Step 3** Align the drive rack with the drive 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.

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## 9.1 Self–diagnostic display

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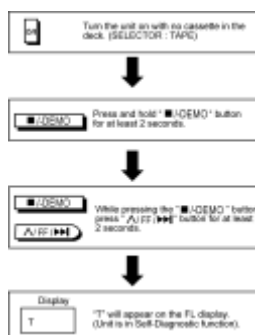
This unit is equipped with a self–diagnostic display function which, if a problem occurs, will display an error code corresponding to the problem.

Use this function when performing maintenance on the unit.

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## 9.2 How to enter the Self-Diagnostic Function

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## 9.3 Cassette Mechanism Test (For error code H01, H02, H03, F01)

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1. Press "TAPE, DECK 1/2" to select Deck 2.
2. Load a cassette tape with the erasure prevention tab, remove from left side only and close the cassette holder.
3. Press "FAST FORWARD" (Tape will be stop after 2 seconds)
4. Load a cassette tape with the erasure prevention tab, remove from right side only and close the cassette holder.
5. Press "REVERSE" (Tape will be stop after 2 seconds)
6. Load a pre-recorded tape with both side record tabs intact and close the cassette holder.
7. Press "PLAY" (After TPS function, tape will stop automatically)
8. Press "REC" (Tape will not move)
9. Press "STOP" to indicate Error code.
  - If several problem exist, error code will change each time when " /-Demo" is pressed.  
(e.g. H01 → H03 → F01 .....etc.)
10. Press "TAPE, DECK 1/2" to select Deck 1.
11. Repeat step 2 to 9 to test Deck 1. (Tape Deck 1 will not check H02 because of no recording function)

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## 9.4 CD Mechanism Test (F15, F26, F16, F17, F27, F28, F29, H15)

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1. Press “CD”.
2. Press “OPEN/CLOSE (1)” and place a CD.
3. Press “OPEN/CLOSE (1)” to close the tray.
4. Press “OPEN/CLOSE (5)” and wait until the tray is open.
5. Press “OPEN/CLOSE (1)” and remove the CD.
6. Press “OPEN/CLOSE (1)” to close the tray.
7. Press “ /TUNE MODE” to indicate Error Code.
  - If several problem exist, error code will change each time when “ /TUNE MODE” is pressed. (e.g. F15 → F26 → F16 ....etc).

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## 9.5 To clear all Error code

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1. Press “STOP/TUNE MODE” button for 5 seconds.
2. FL indicator shows “CLEAR” for 1 second and change to “T”.

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## 9.6 How to get out from Self-Diagnostic function

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1. Press “Power” button OFF.

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## 9.7 Power Amplifier Failure (F61)

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1. When power amplifier fail, F61 will indicate automatically.

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# 10 Description of Error Code

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[10.1 Error detection for Cassette Mechanism block](#)

[10.2 Error detection for CD/Changer block](#)

[10.3 Power Supply related error detection](#)

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# 10.1 Error detection for Cassette Mechanism block

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No.	Error	ErrorDisplay	Problem condition
1	MODE SWdetection error	H01	Faulty operation of cassette mechanism.Faulty contact or short-circuit of mechanism mode switch (S951, S971).
2	REC INH SWdetection error	H02	Recording not possible.Faulty contact or short-circuit of REC INH switch (S974, S975).
3	HALF SWdetection error	H03	Playback cannot perform.Faulty contact or short-circuit of HALF switch (S952, S972).
4	Reel Pulsedetection error	F01	The tape advances slightly and then stops.Faulty reel pulse, faulty hole detect IC (IC951, IC971).

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## 10.2 Error detection for CD/Changer block

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No.	Error	ErrorDisplay	Problem condition
1	REST SW detection error	F15	CD does not function.This error occurs when the Optical Pick Up REST SW (S701) is not detected within the specified time (about 8 seconds)
2	CD tray opens automatically	F16	CLAMP switch (S4) NG (Check & Replace)
3	Does not startup when [PLAY]button is pressed	F17	BOTTOM switch (S5) NG (Check & Replace)
4	Transmission error between CDservo LSI and micon	F26	CD does not function.This error occurs when the POWER is ON for the CD block and an error is detected after the transmission has started.
5	Startup fails even when youinsert CD or the selected disc tray does not open	F27	Tray 1 detect switch or Tray 2 detect switch NG (Check & Replace)
6	Cannot insert CD	F28	Tray 1 detect switch NG (Check & Replace)
7	Cannot eject CD	F29	Check if disc is stuck. Tray 2 detect switch NG (Confirm & Replace)
8	The CD tray closes	H15	CD disc tray detect switch NG (S3) (Check & Replace)

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## 10.3 Power Supply related error detection

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No.	Error	ErrorDisplay	Problem condition
1	POWER AMPoutput abnormal	F61	When POWER is switched on, power become off automatically. During normal operation, if DC DET become L, PCNT shall become L and the error display on the left shall be displayed. (IC501)

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# 11 CD Test Mode Function

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This CD test mode is provided to check CD unit without connecting to changer loading mechanism. This mode shall operate CD PLAY with CD unit being connected only and CD Automatic Alignment result is shown on FL display.

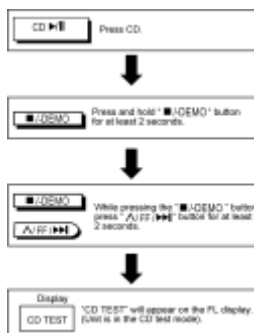
[11.1 How to set CD test mode](#)

[11.2 CD Automatically Adjustment result indication](#)

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# 11.1 How to set CD test mode

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# 11.2 CD Automatically Adjustment result indication

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Under CD test mode, pressing the numeric key '0' on the remote controller will display the auto adjustment result. FLOCK, TLOCK and CLVS status shall be shown as below:



During the above display, executing CD PLAY will display auto adjustment result for CD PLAY mode.

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# 12 Measurements and Adjustments

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## [12.1 Cassette Deck Section](#)

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## [12.3 Alignment Points](#)

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# 12.1 Cassette Deck Section

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- Measurement Condition
  - Reverse-mode selector switch:  

  - Tape edit: NORMAL
  - Make sure head, capstan and press roller are clean.
  - Judgeable room temperature  $20 \pm 5 \text{ }^\circ\text{C}$  ( $68 \pm 9^\circ\text{F}$ )
- Measuring instrument
  - EVM (Electronic Voltmeter)
  - Digital frequency counter
- Test Tape
  - Head azimuth adjustment (8 kHz, -20 dB); QZZCFM
  - Tape speed gain adjustment (3 kHz, -10 dB); QZZCWAT

[12.1.1 Head Azimuth Adjustment \(Deck 1/2\)](#)

[12.1.2 Tape Speed Adjustment \(Deck 1/2\)](#)

[12.1.3 Bias and Erase Voltage Check](#)

[12.1.4 Bias Frequency Adjustment \(Deck 1/2\)](#)

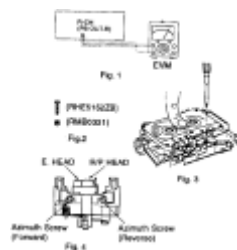
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# 12.1.1 Head Azimuth Adjustment (Deck 1/2)

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## Caution:

- Please replace both azimuth adjustment screw (RHE5152ZB) and springs (RM0331) simultaneously when readjusting the head azimuth. (shown in Fig. 2) Even if you wish to readjust the head azimuth without replacing the screws and springs, a fine adjustment to the azimuth screw and spring.
  - Please remove the screw-locking bond left on the head base when replacing the azimuth screw.
  - If you wish to readjust the head azimuth, be sure to adjust with adhering the cassette tape closely to the mechanism by pushing the center of cassette tape with your finger. (shown in Fig. 3)
1. Playback the azimuth adjustment portion (8 kHz, -20dB) of the test tape (QZZCFM) in the forward play mode. Vary the azimuth adjustment screw until the output of the R-CH (PB OUT-R) are maximized.
  2. Perform the same adjustment in the reverse play mode.
  3. After the adjustment, apply screwlock to the azimuth adjusting screw.



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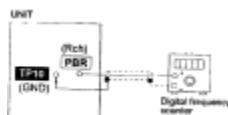
## 12.1.2 Tape Speed Adjustment (Deck 1/2)

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1. Set the tape edit button to “NORMAL” position.
2. Insert the test tape (QZZCWAT) to DECK 2 and playback (FWD side) the middle portion of it.
3. Adjust Motor VR (DECK 2) for the output value shown below.

Adjustment target: 2940 ~ 3060 Hz (NORMAL speed)

4. After alignment, assure that the output frequency of the DECK 2 REV and DECK 1 FWD are within  $\pm 60$  Hz of the value of the output frequency of DECK 2 FWD.



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## 12.1.3 Bias and Erase Voltage Check

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1. Set the unit “AUX” position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and the unit to “REC” mode (use “• REC/STOP” key).
3. Measure and make sure that the output is within the standard value.

Bias voltage for Deck 2  $14 \pm 4\text{mV}$  (Normal)

Erase voltage for Deck 2  $80\text{mV}$  (Normal)



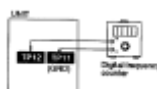
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## 12.1.4 Bias Frequency Adjustment (Deck 1/2)

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1. Set the unit to “AUX” position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and set the unit to “REC” mode (• use “REC/STOP” key).
3. Adjust L1002 so that the output frequency is within the standard value.

Standard Value:  $97 \pm 8$  kHz



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## 12.2 Tuner Section

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[12.2.1 AM-IF Alignment](#)

[12.2.2 AM-RF Alignment](#)

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## 12.2.1 AM–IF Alignment

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SIGNAL GENERATOR OR SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER OSCILLOSCOPE)	ADJUSTMENT (Shown in Fig.3)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	450 kHz 30% Mod. at 400Hz.	Point of non- interference (on/about 600 kHz)	Headphones Jack (32 $\Omega$ ) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	Z102 (AM IFT)	Adjust for maximum output.

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## 12.2.2 AM–RF Alignment

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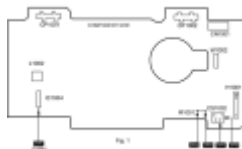
SIGNAL GENERATOR OR SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER OSCILLOSCOPE)	ADJUSTMENT (Shown in Fig.3)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	522 kHz	Tuning capacitor fully closed	Headphones Jack (32Ω) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	Z101, (AM OSC Coil)	Adjust for maximum output.
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	603 kHz	Tuning to signal	Headphones Jack (32Ω) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	Z101, (AM ANT Coil)	Adjust for maximum output.

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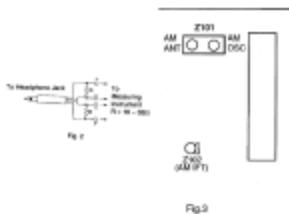
# 12.3 Alignment Points

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Cassette Deck section

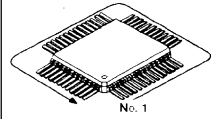


Tuner section



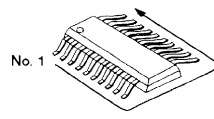
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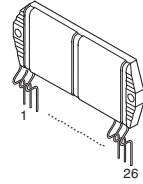


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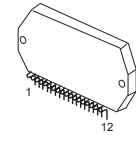
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LC72131MDTRM (20P)



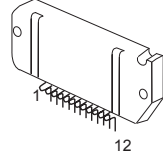
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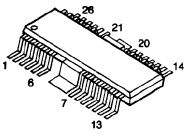
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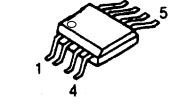
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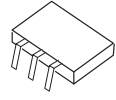
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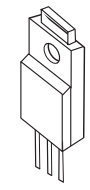
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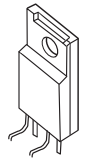
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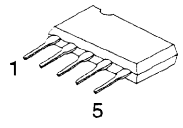
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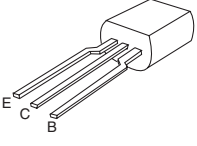
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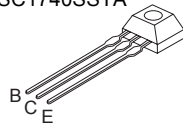
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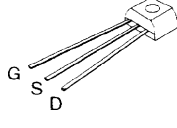
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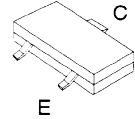


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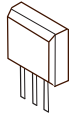


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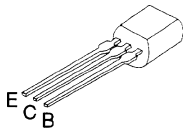


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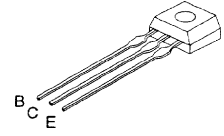


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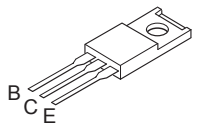


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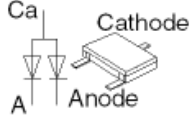
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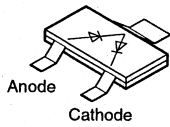
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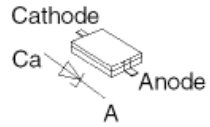


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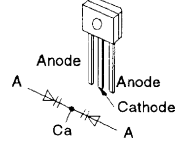


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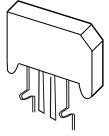
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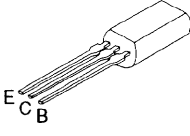
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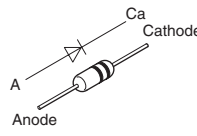
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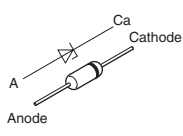
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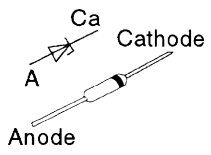
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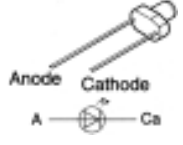
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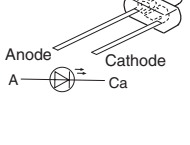
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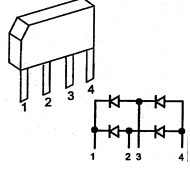
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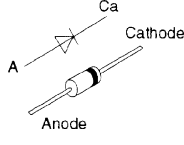
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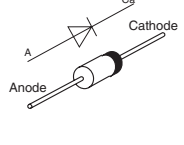
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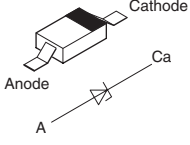
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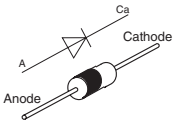
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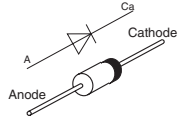
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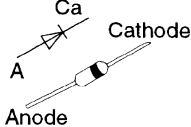
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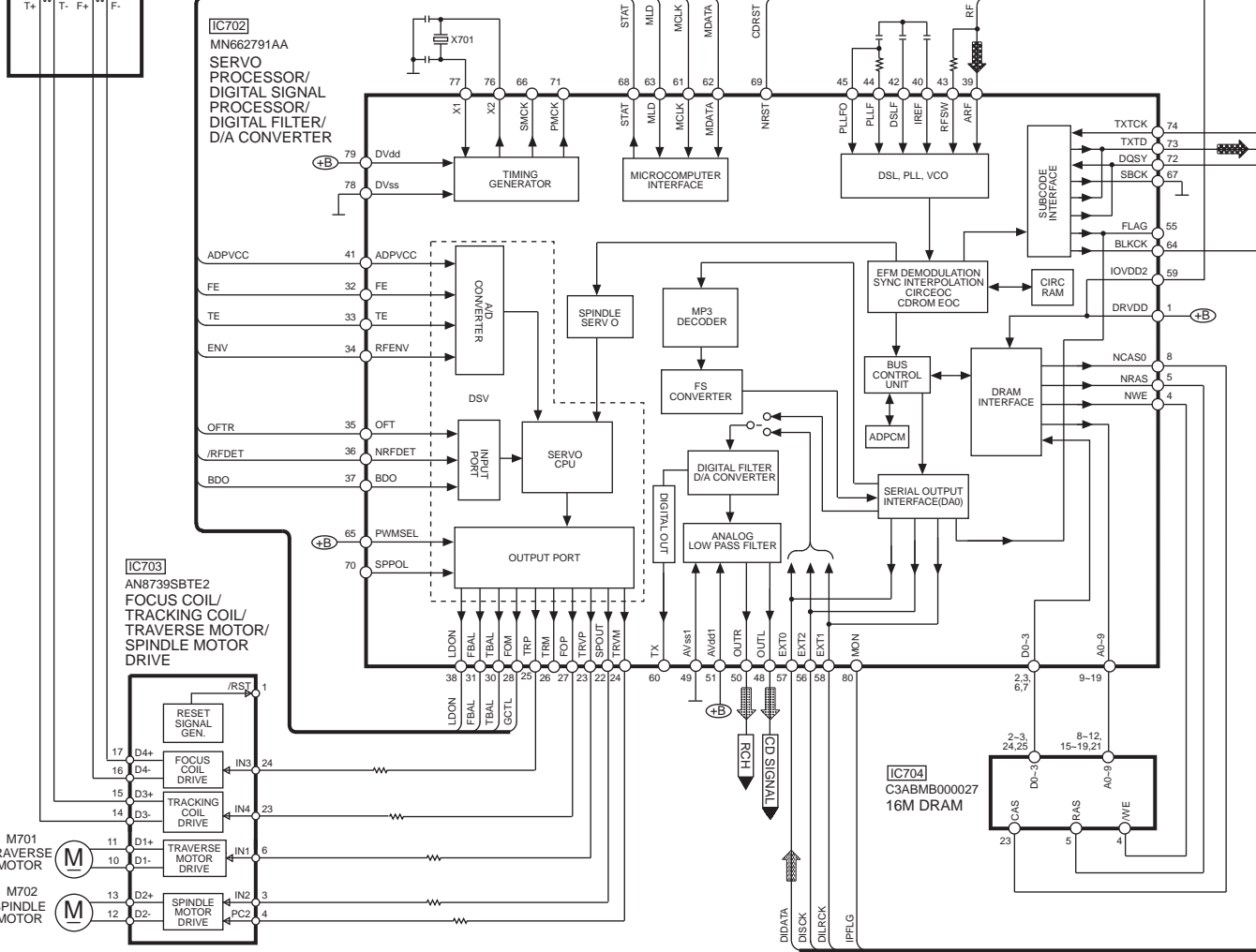
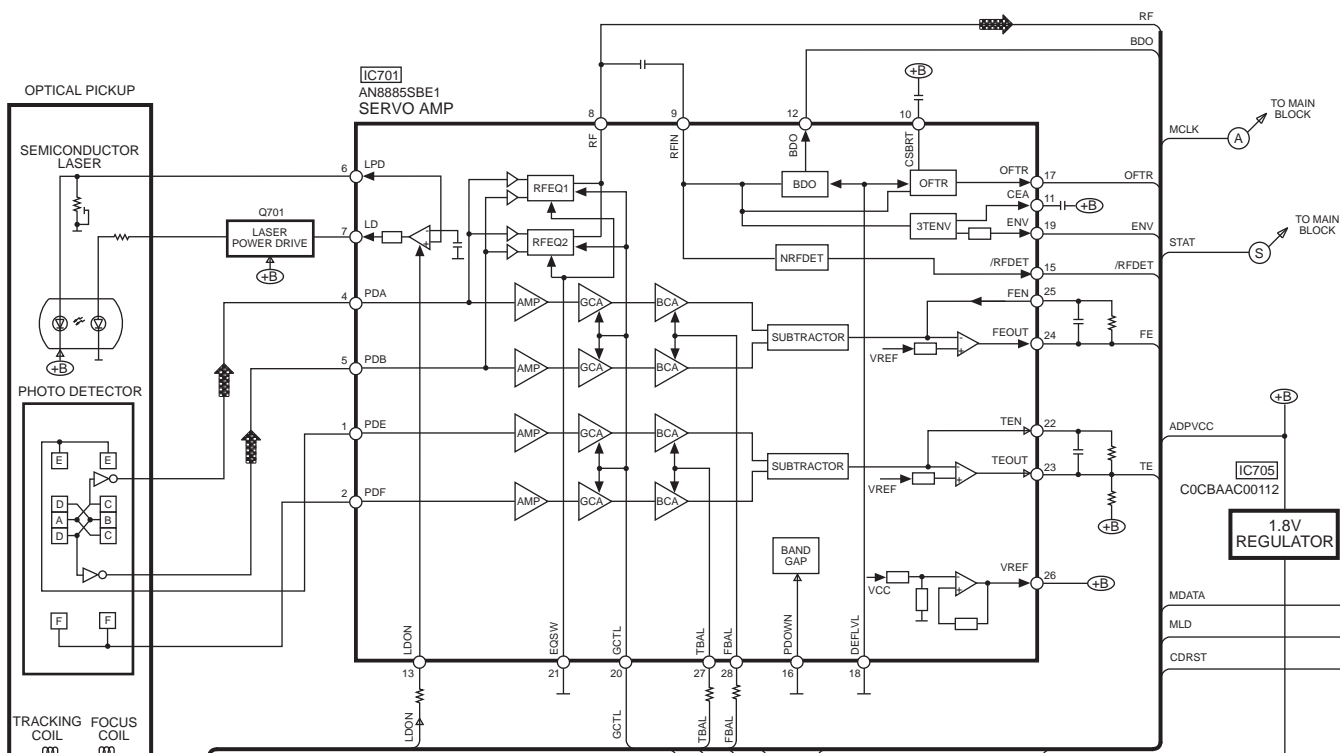


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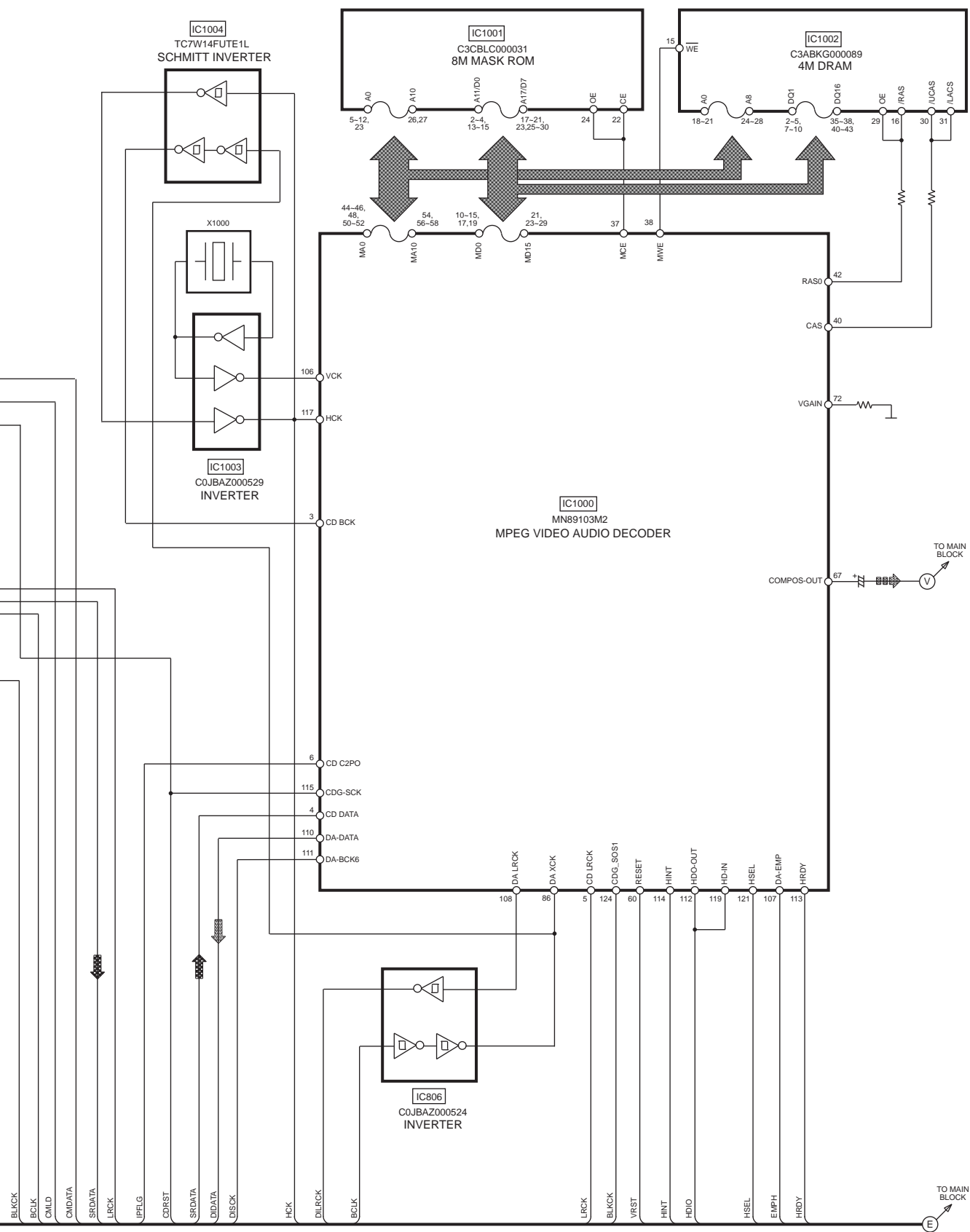


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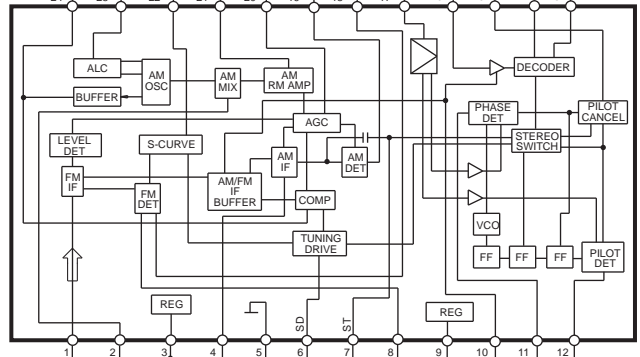
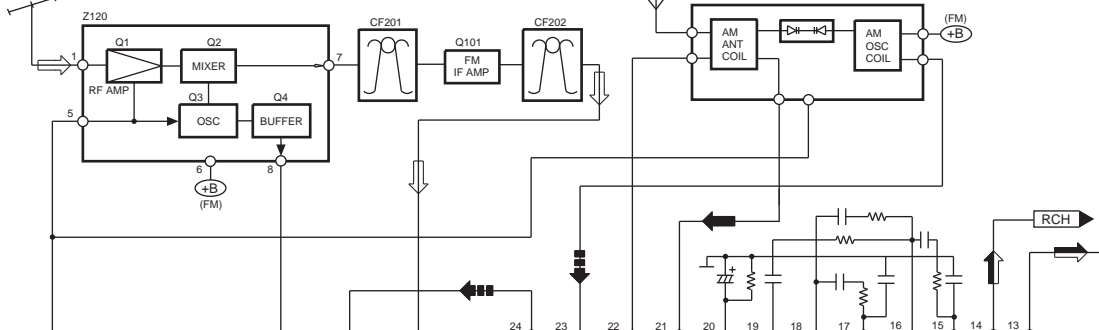




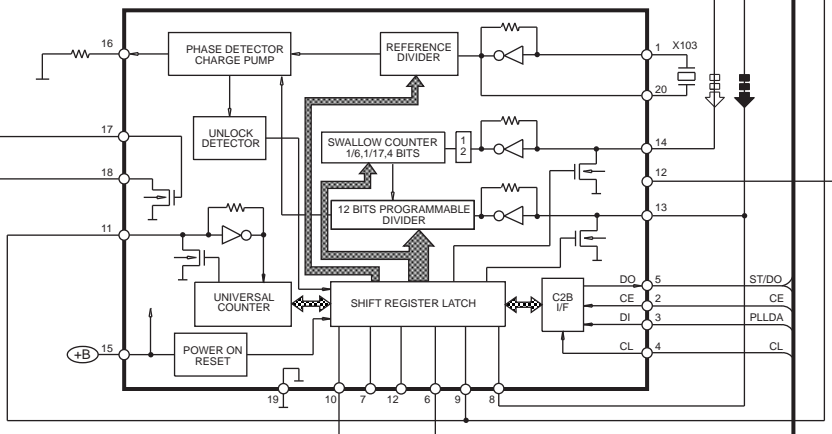
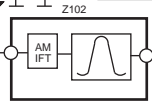
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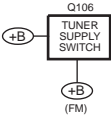
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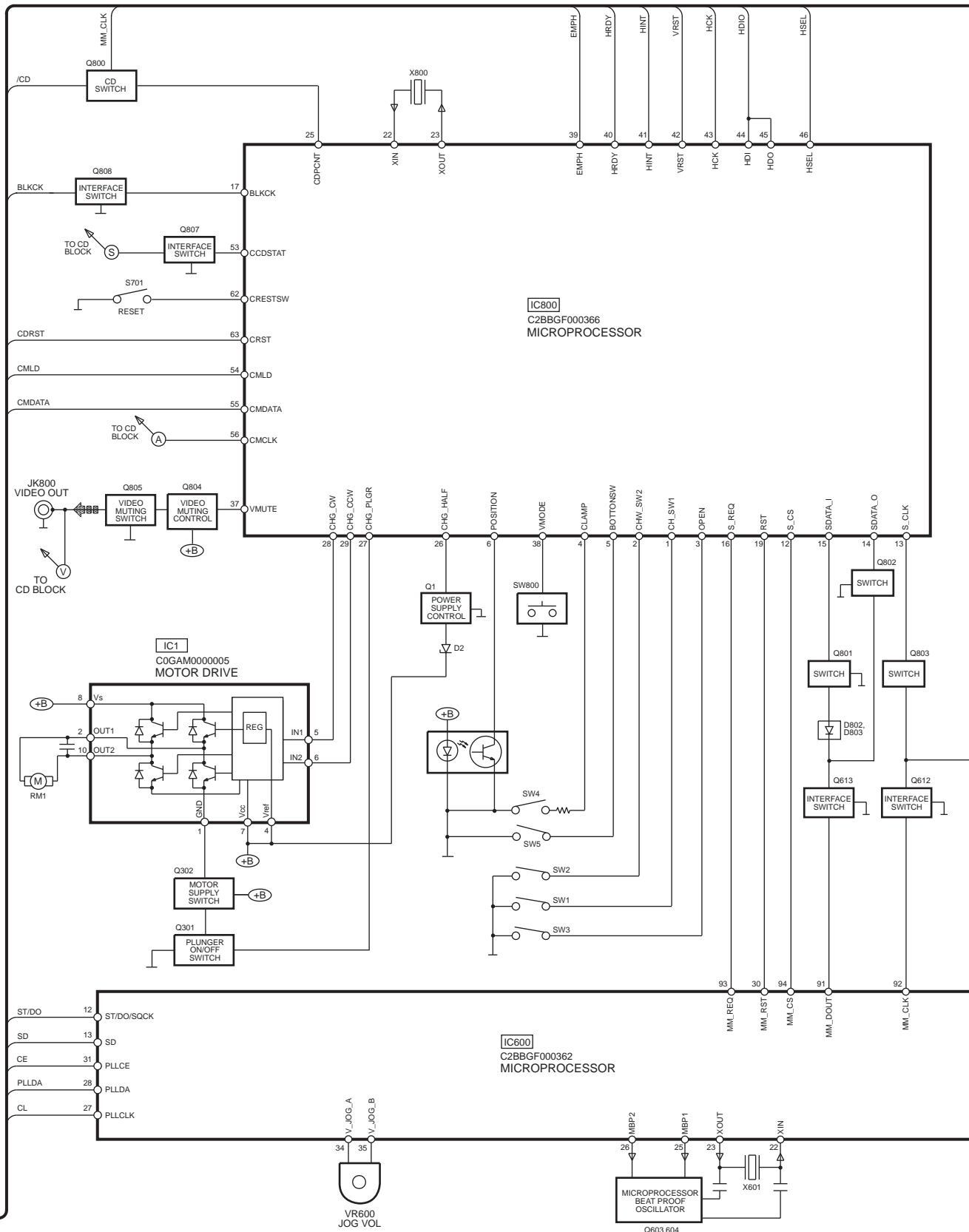


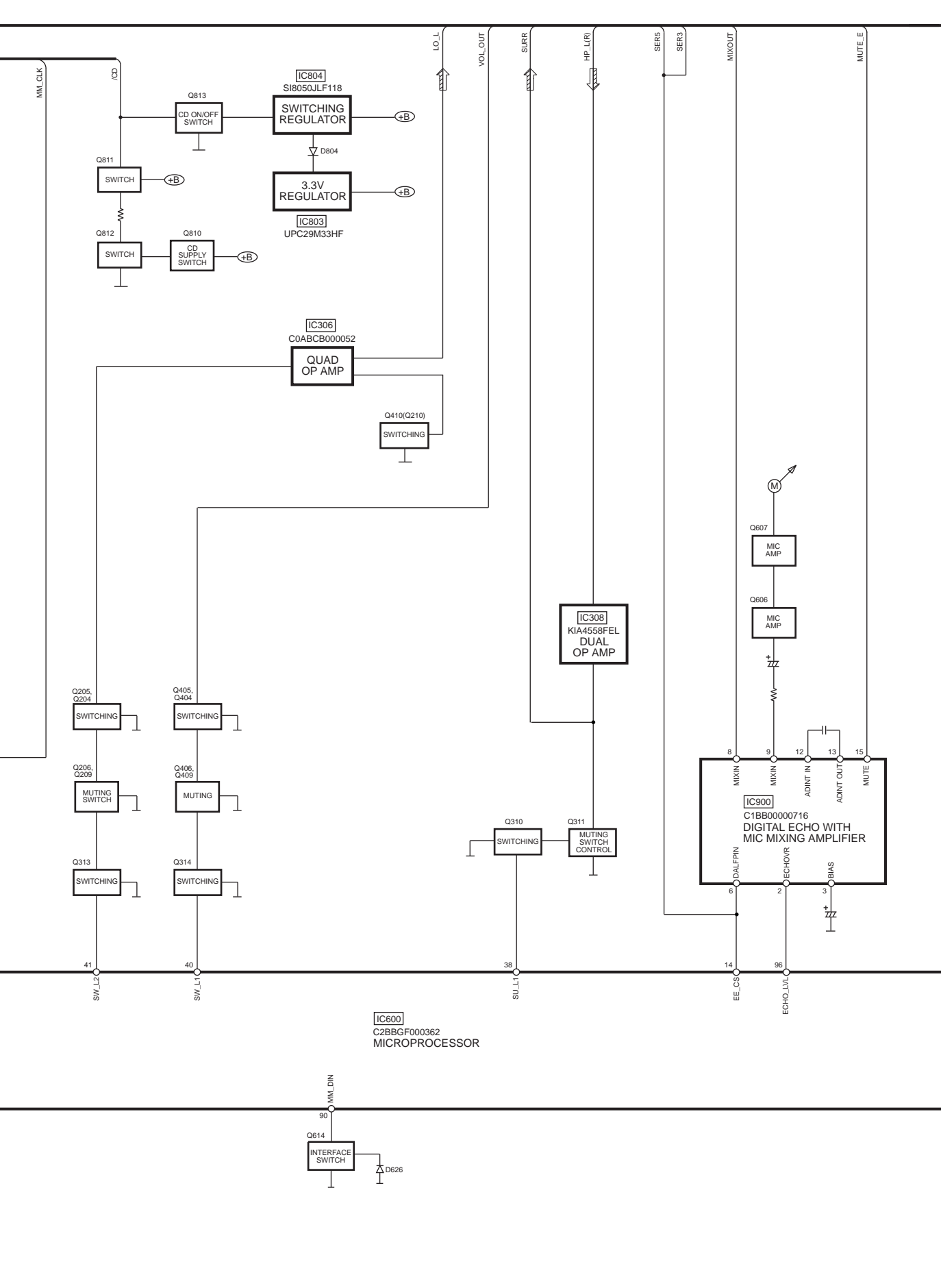
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AM OSC MIX/  
FM MPX



**IC102**  
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PLL FREQUENCY SYTHESIZER







MM\_CLK

Q813  
CD ON/OFF SWITCH

Q811  
SWITCH

Q812  
SWITCH

Q810  
CD SUPPLY SWITCH

Q804  
SWITCHING REGULATOR

D804  
3.3V REGULATOR

IC803  
UPC29M33HF

IC306  
C0ABCB000052  
QUAD OP AMP

Q410(Q210)  
SWITCHING

IC308  
KIA4558FEL  
DUAL OP AMP

Q607  
MIC AMP

Q606  
MIC AMP

IC900  
C1BB00000716  
DIGITAL ECHO WITH  
MIC MIXING AMPLIFIER

IC600  
C2BBGF000362  
MICROPROCESSOR

Q310  
SWITCHING

Q311  
MUTING SWITCH CONTROL

Q205, Q204  
SWITCHING

Q206, Q209  
MUTING SWITCH

Q313  
SWITCHING

Q405, Q404  
SWITCHING

Q406, Q409  
MUTING SWITCH

Q314  
SWITCHING

Q614  
INTERFACE SWITCH

D626

MM\_L2

SW\_L1

SU\_L1

EE\_CS

ECHO\_LV

LO L

VOL\_OUT

SURR

HP\_L(R)

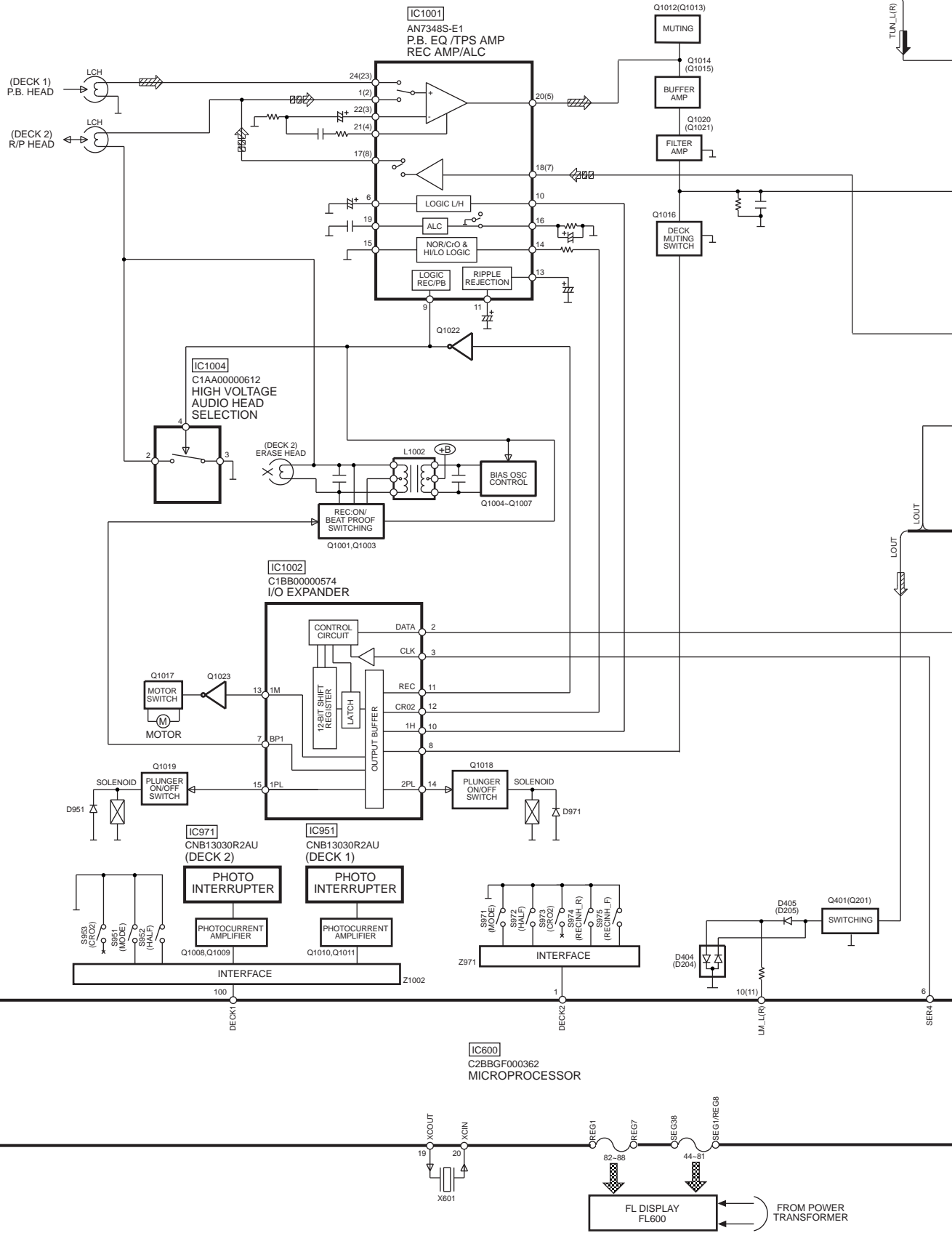
SERS

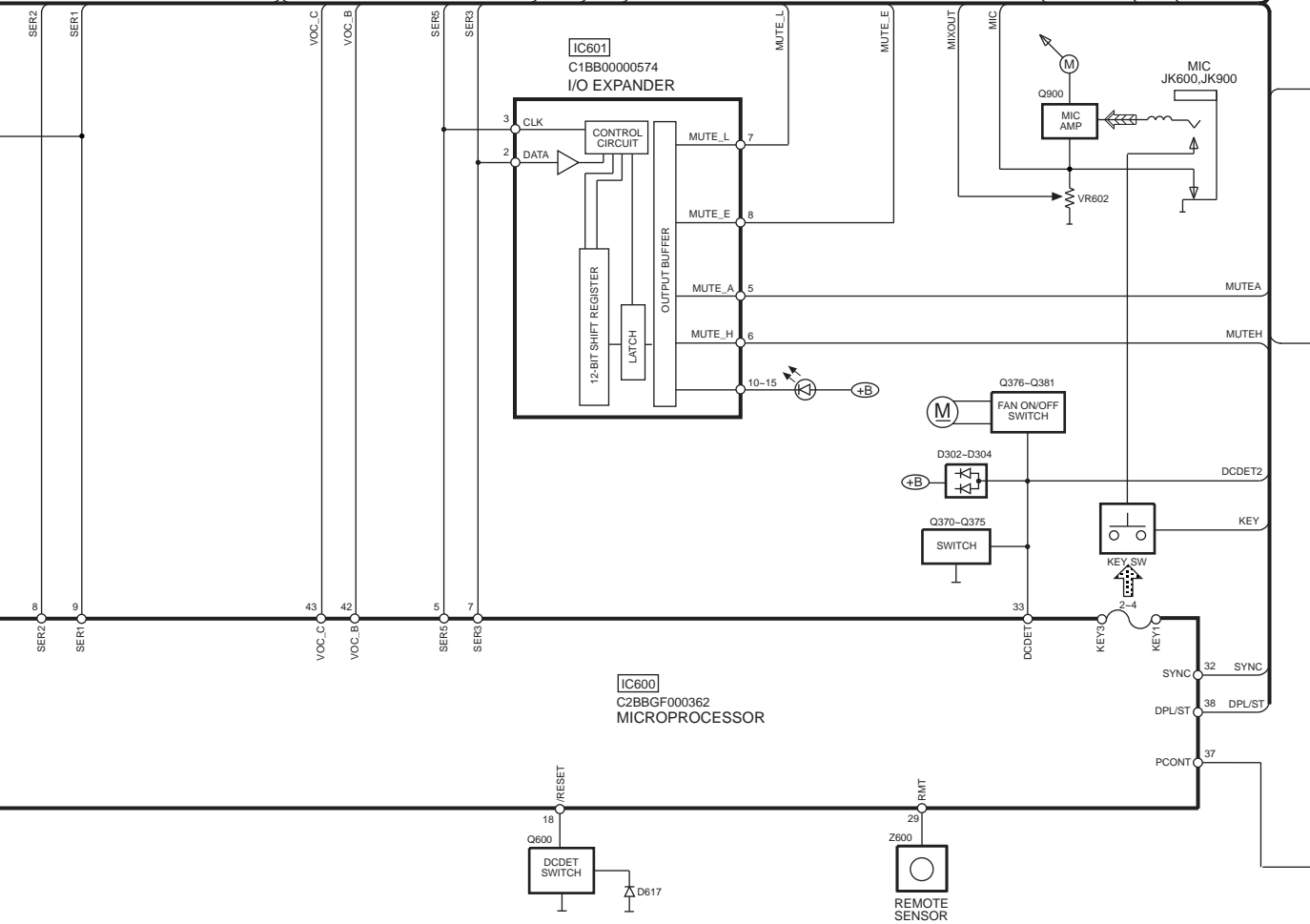
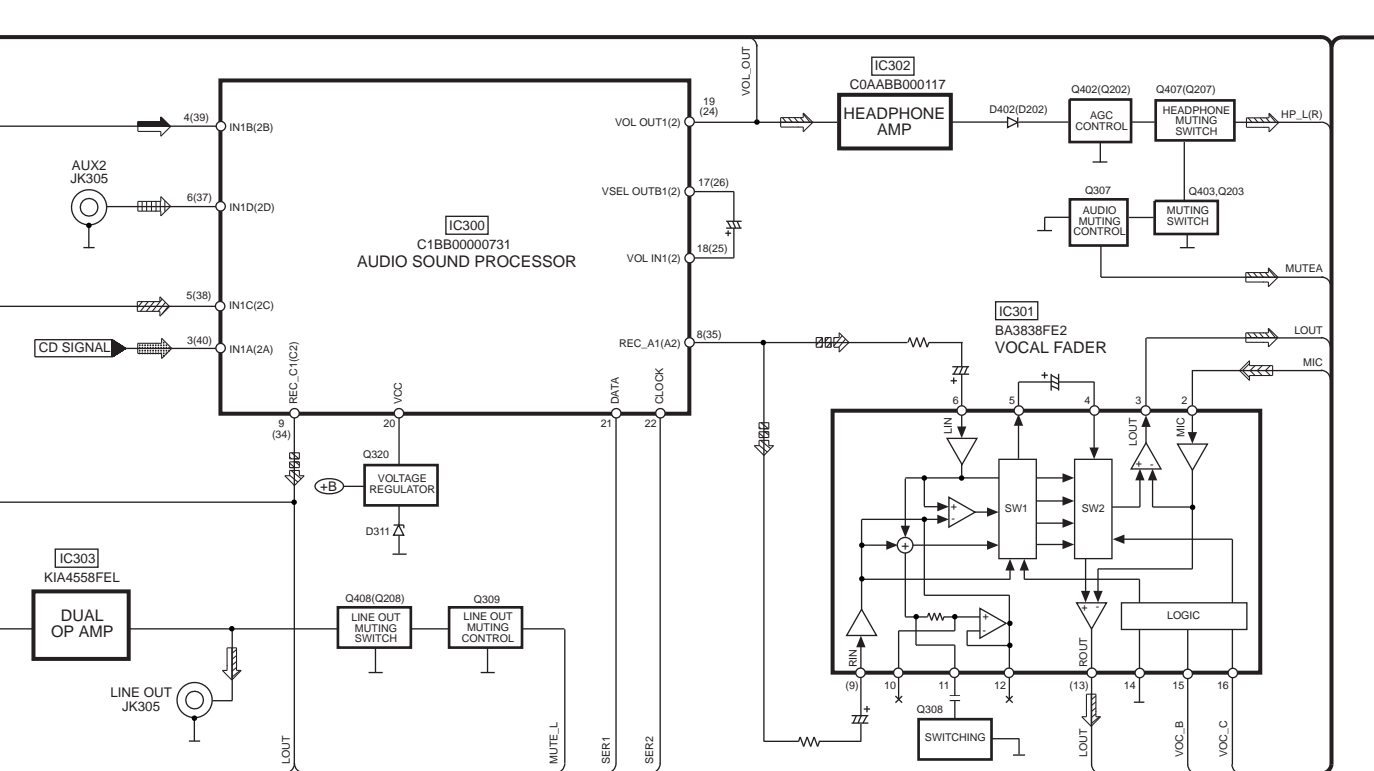
SERS3

MIXOUT

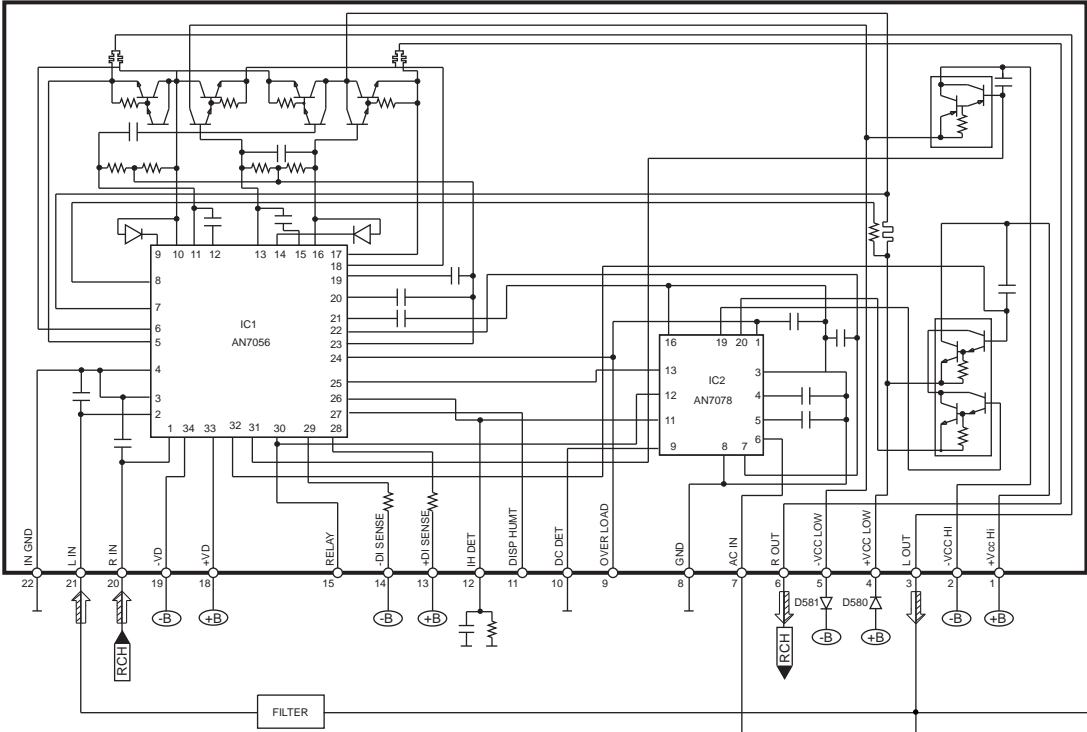
MUTE\_E

MM\_LDN





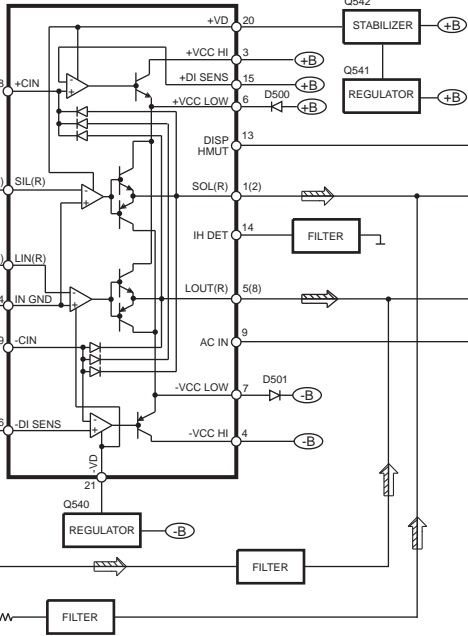
IC502  
RSN312H24-P  
HIC



MUTEH

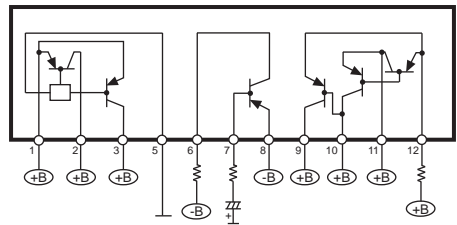


IC500  
RSN309W44B  
HIC



SURR

IC501  
C5BA00000105  
VOLTAGE REGULATOR



LO\_L

LO\_L

LO\_L

ACIN

FL

DCDET2

SYNC

LO\_L

FL

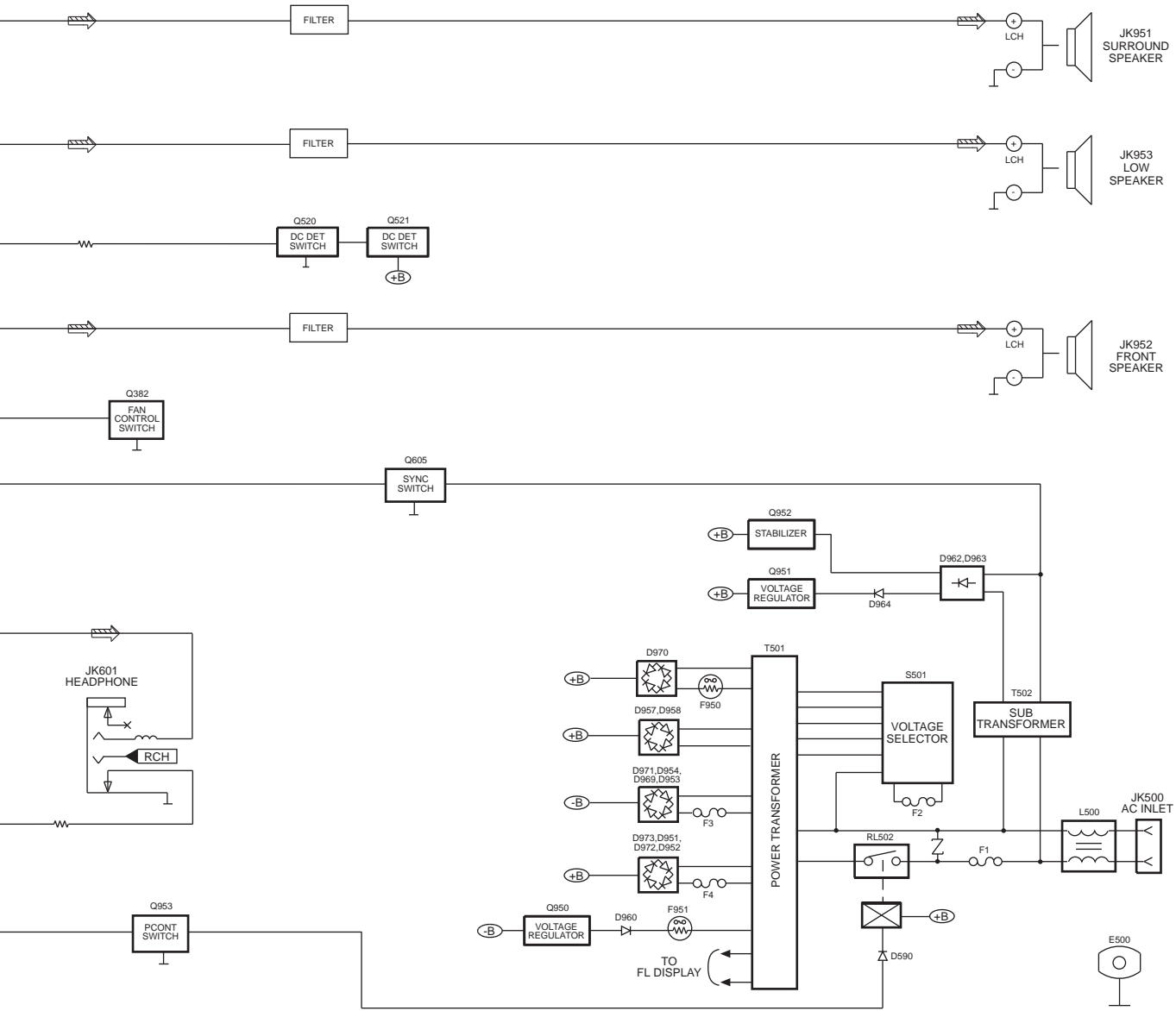
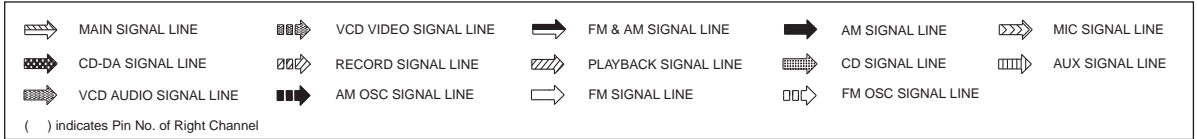
HP\_L(R)

KEY



+B

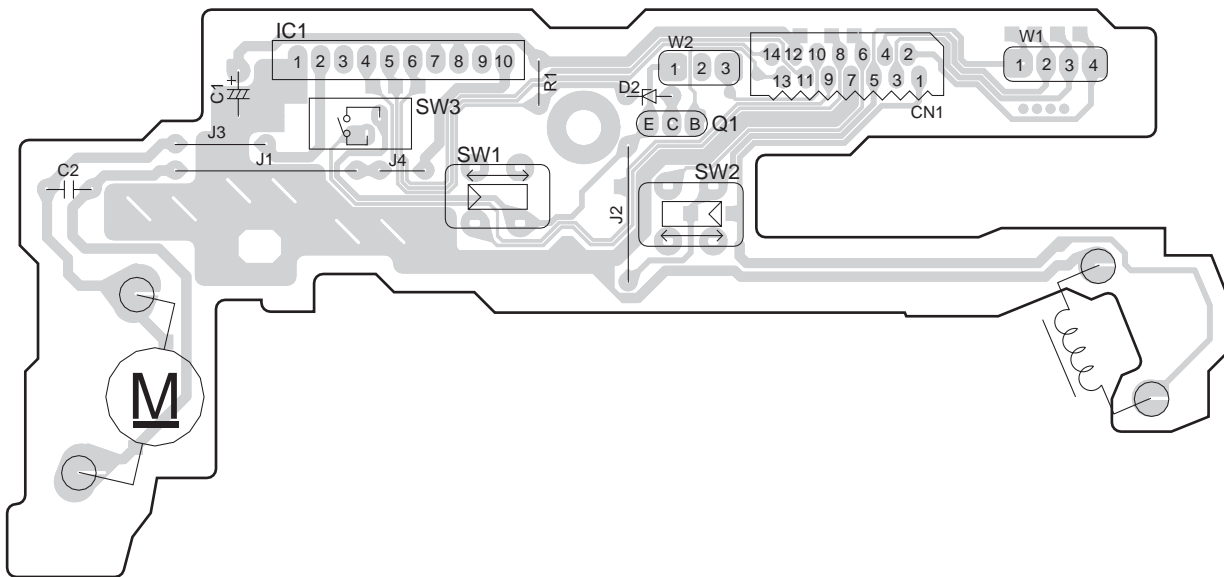
SIGNAL LINES



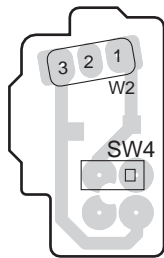


A B C D E F G

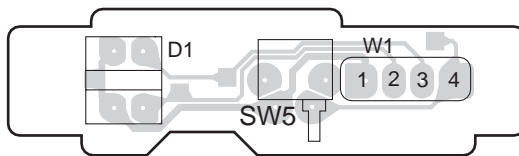
**P** CD LOADING P.C.B (REP2578A-N)



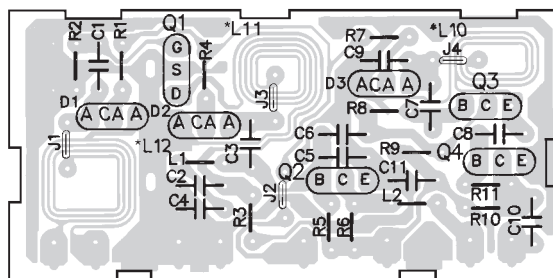
**N** CD DETECT P.C.B (REP2578A-N)



**O** SPINDLE POSITION P.C.B (REP2578A-N)

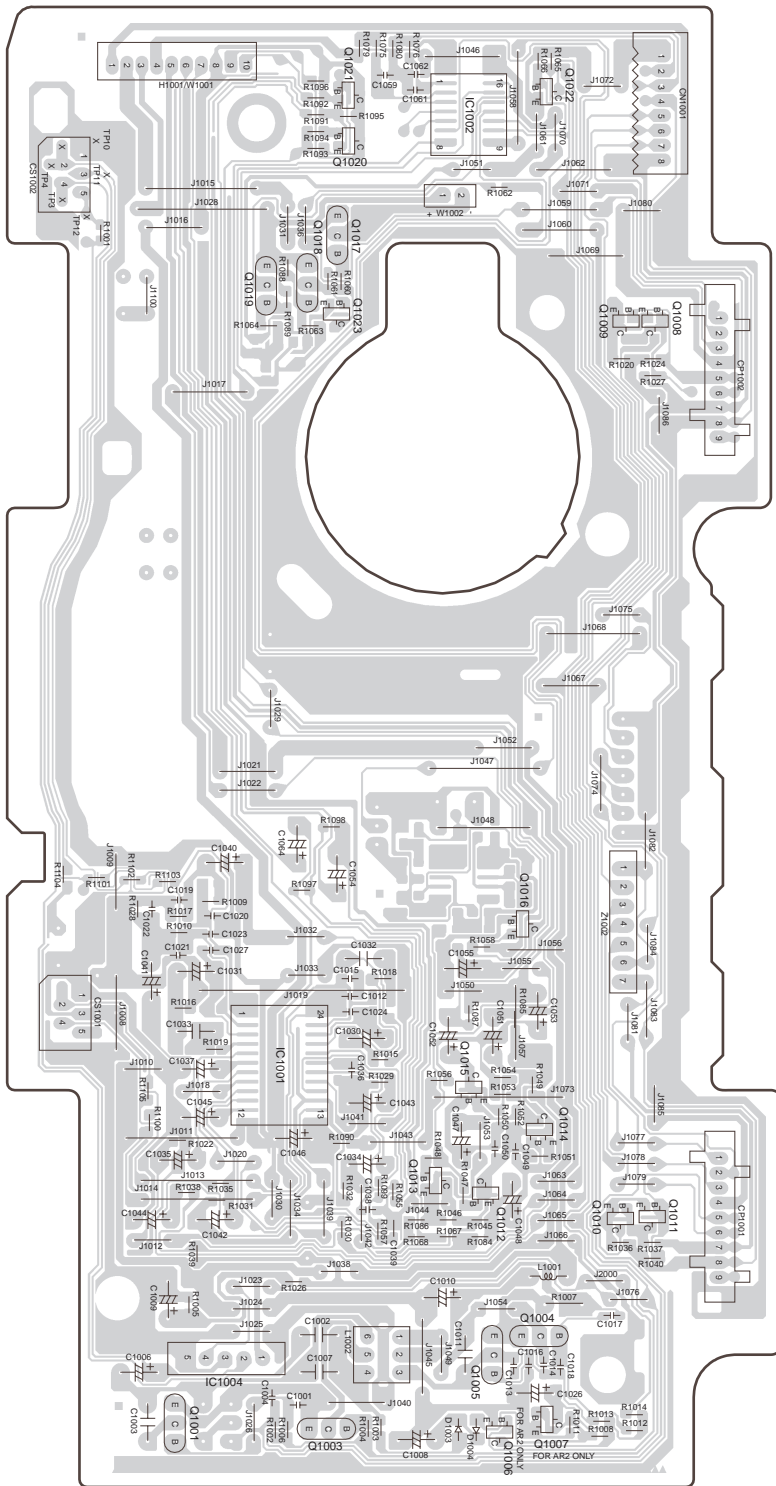


**R** TUNER PACK P.C.B (REP1999B)



A B C D E F G

# F DECK P.C.B. (REPX0282B)

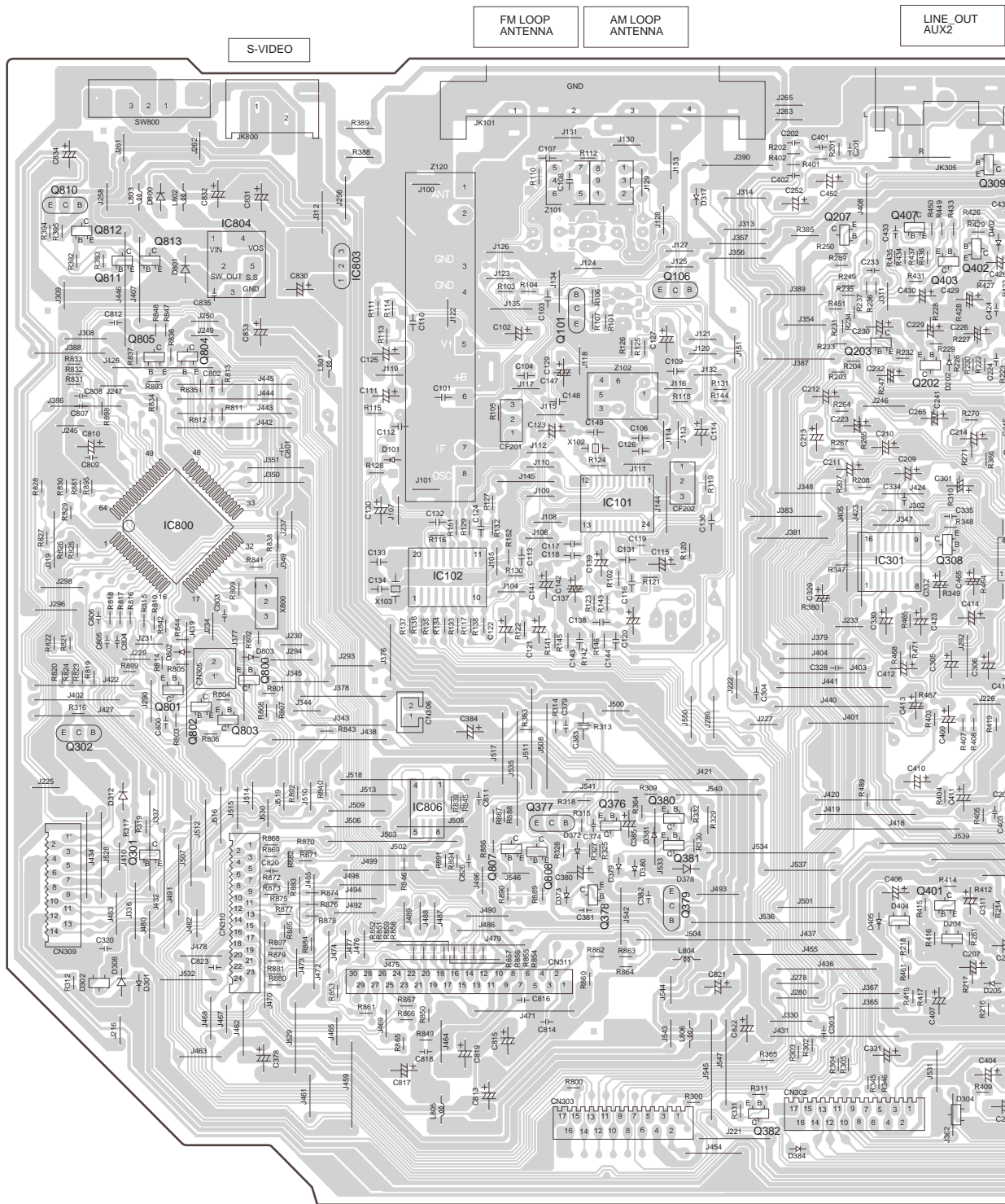


1  
2  
3  
4  
5  
6  
7  
8  
9

A B C D E F G

1  
2  
3  
4  
5  
6  
7  
8  
9

# C MAIN / TUNER P.C.B. (REPX0309B)



FM LOOP ANTENNA

AM LOOP ANTENNA

LINE OUT AUX2

S-VIDEO

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

G

H

I

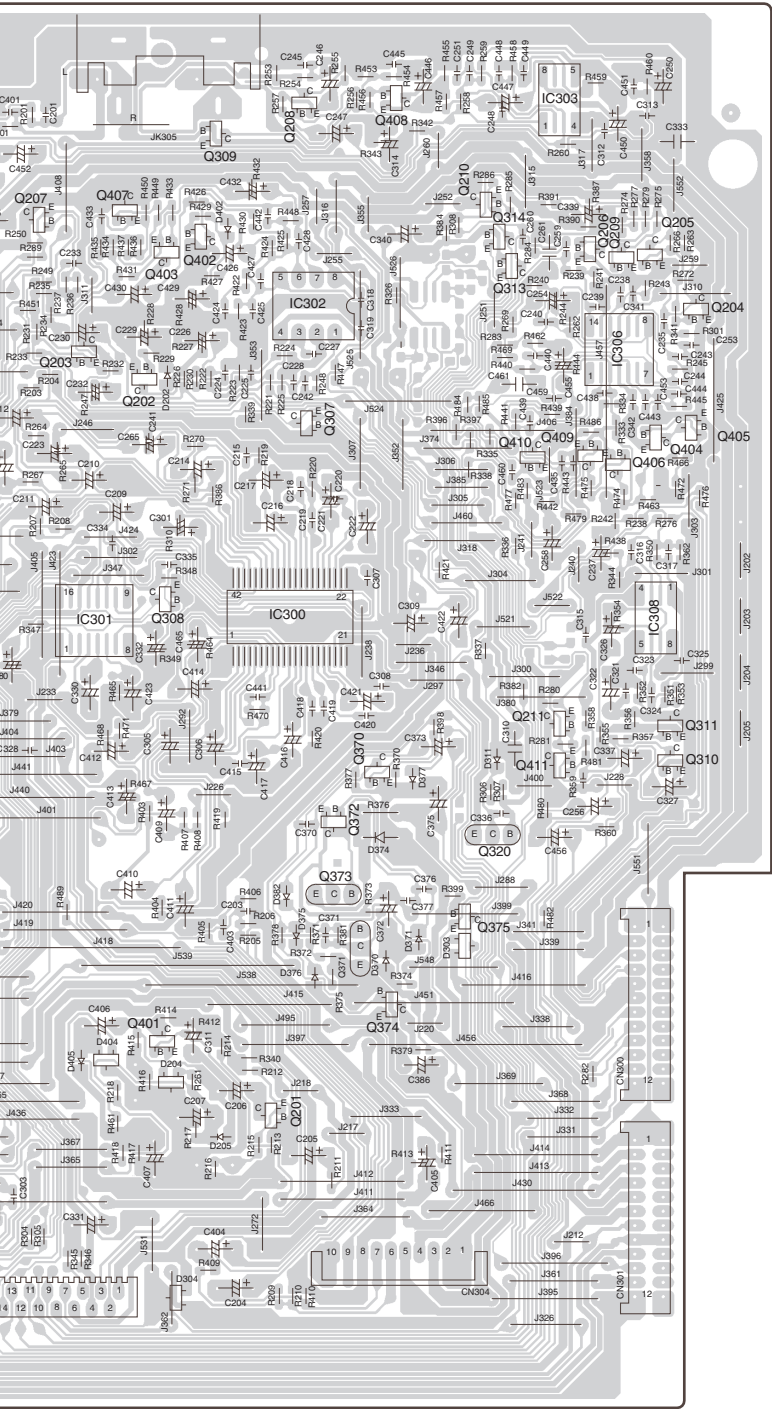
J

K

L

M

LINE OUT  
AUX2



A

B

C

D

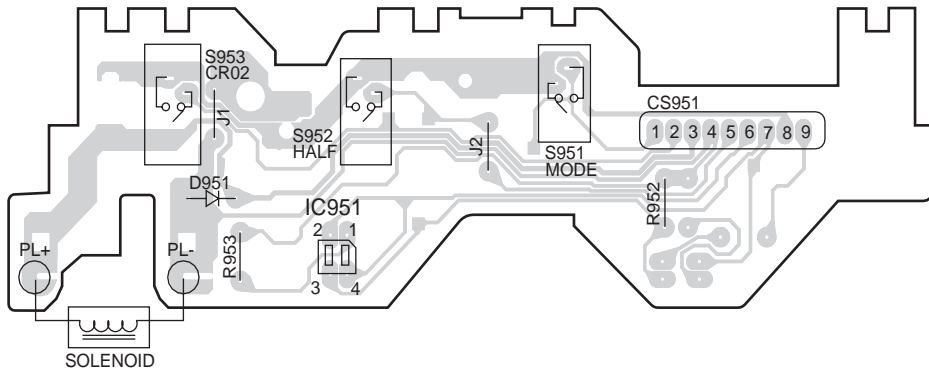
E

F

G

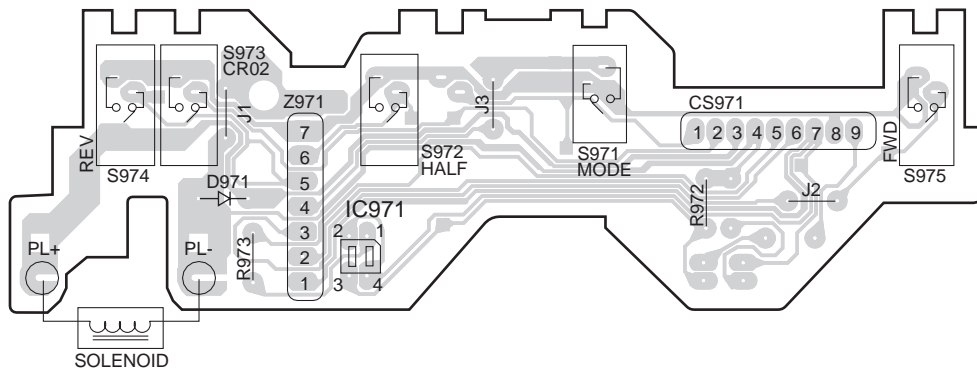
1

## **G** MECHANISM (DECK1) P.C.B (REPX0108)



4

## **H** MECHANISM (DECK2) P.C.B (REPX0108A)



7

8

9

A

B

C

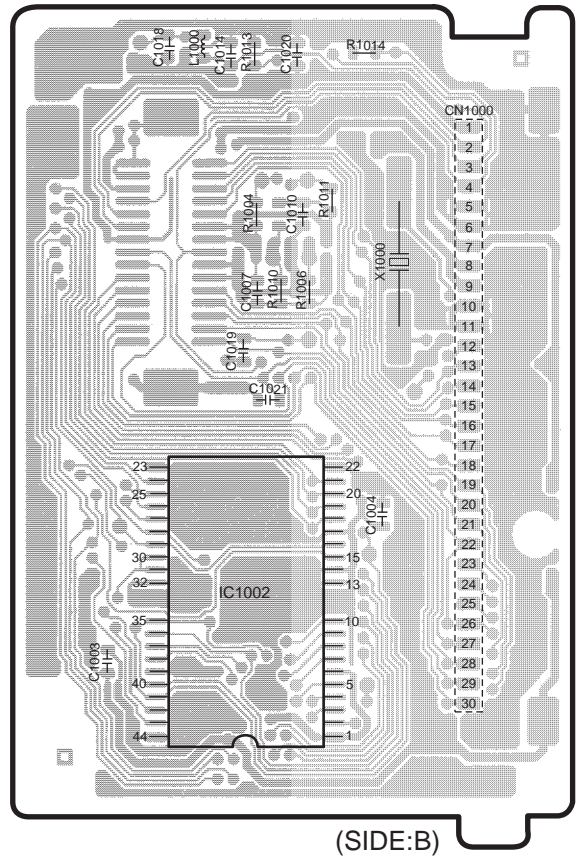
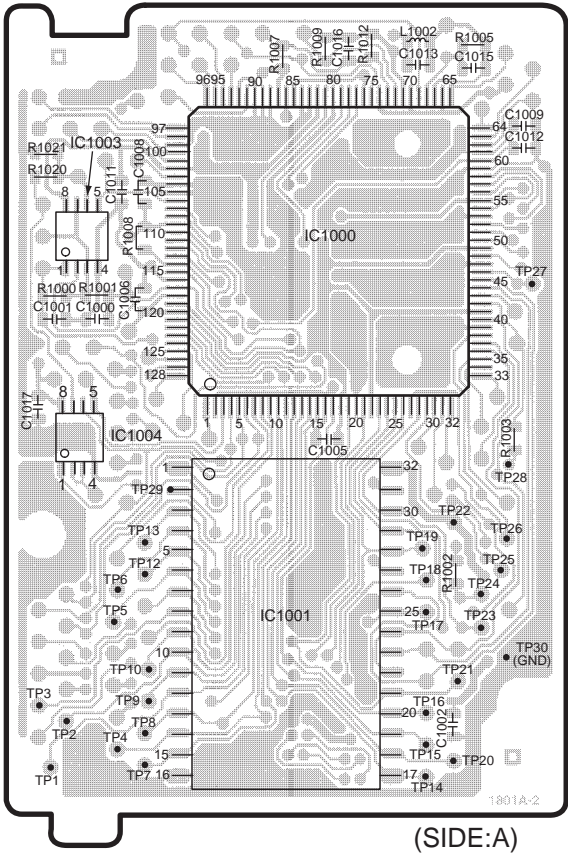
D

E

F

G

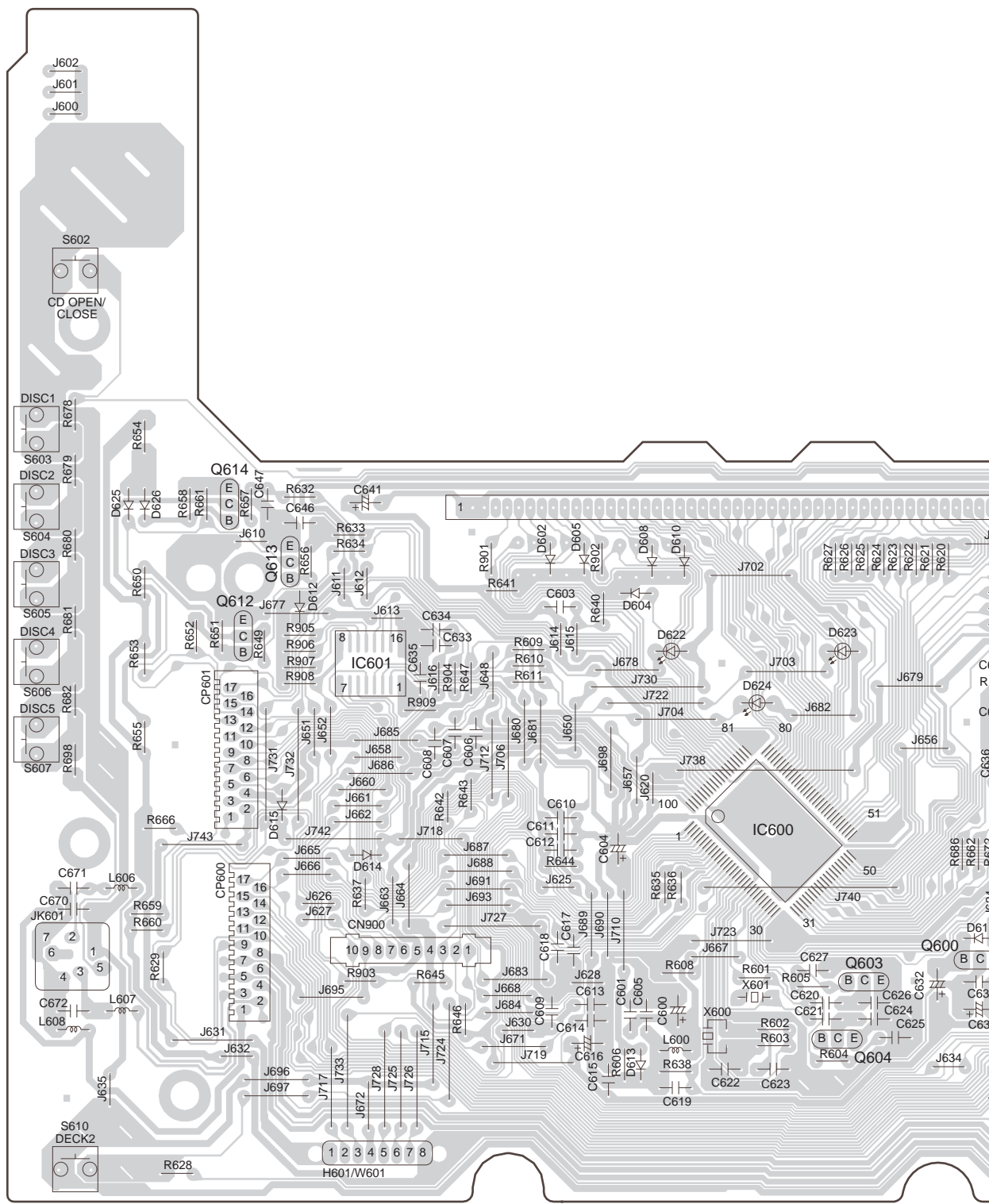
# B VIDEO MODULE P.C.B (RD-DVK029-SY)



A B C D E F G

1  
2  
3  
4  
5  
6  
7  
8  
9

# D PANEL P.C.B. (REPX0308A)



G

H

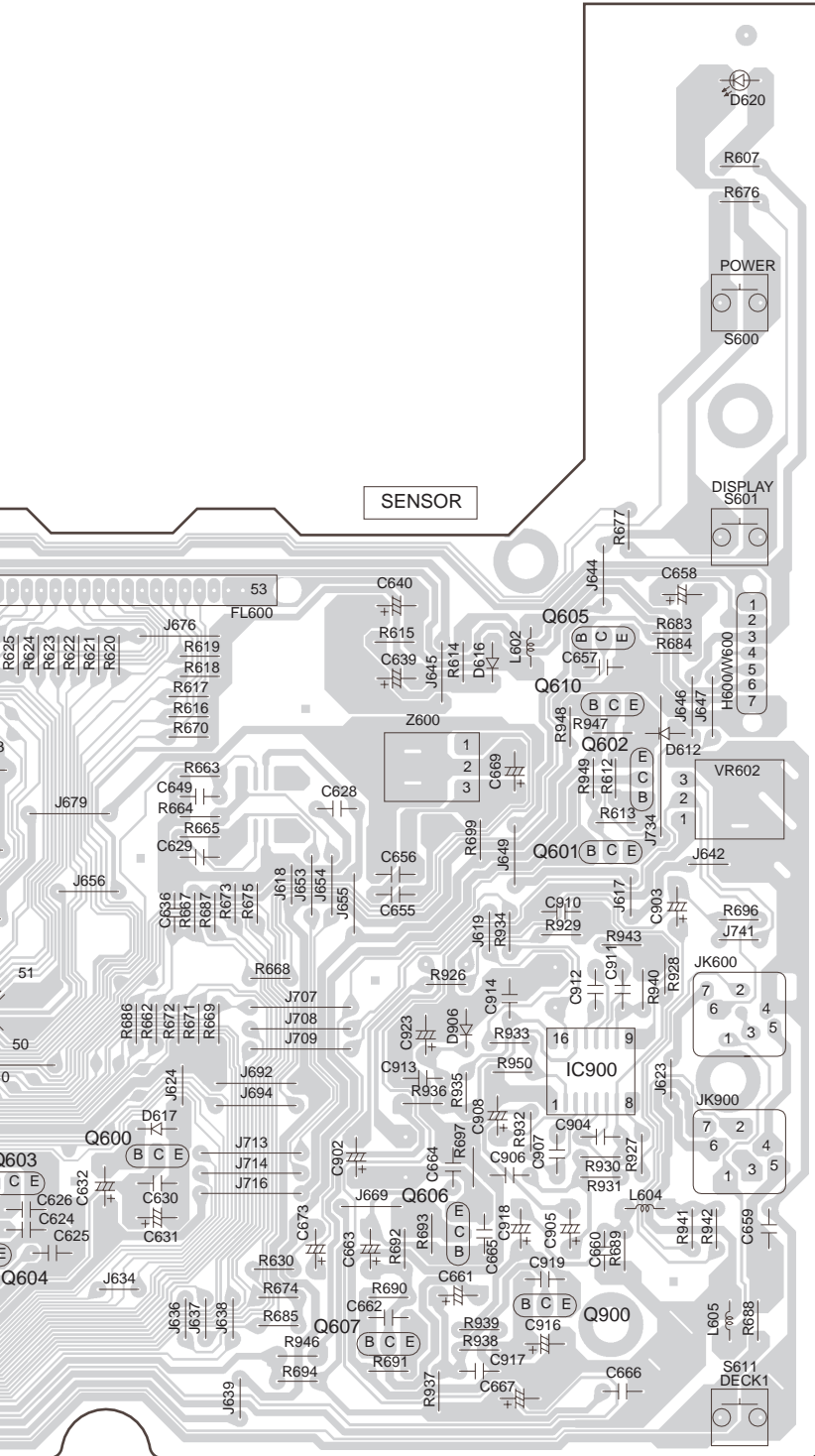
I

J

K

L

M



SENSOR

D620

R607  
R676

POWER  
S600

DISPLAY  
S601

1  
2  
3  
4  
5  
6  
7

VOLUME

MIC

7 2  
6 4  
1 3 5

7 2  
6 4  
1 3 5

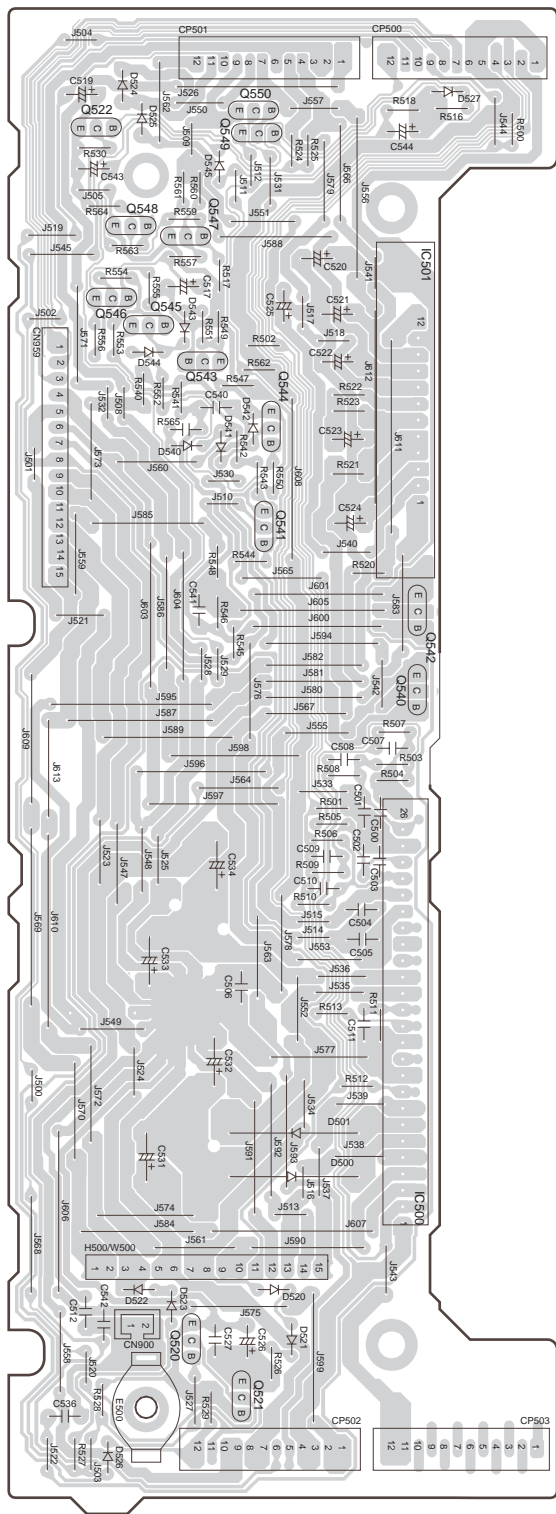
L605  
R688  
S611  
DECK1



A B C D E F G

# I POWER (1) P.C.B. (REPX0310B)

1  
2  
3  
4  
5  
6  
7  
8  
9



A

B

C

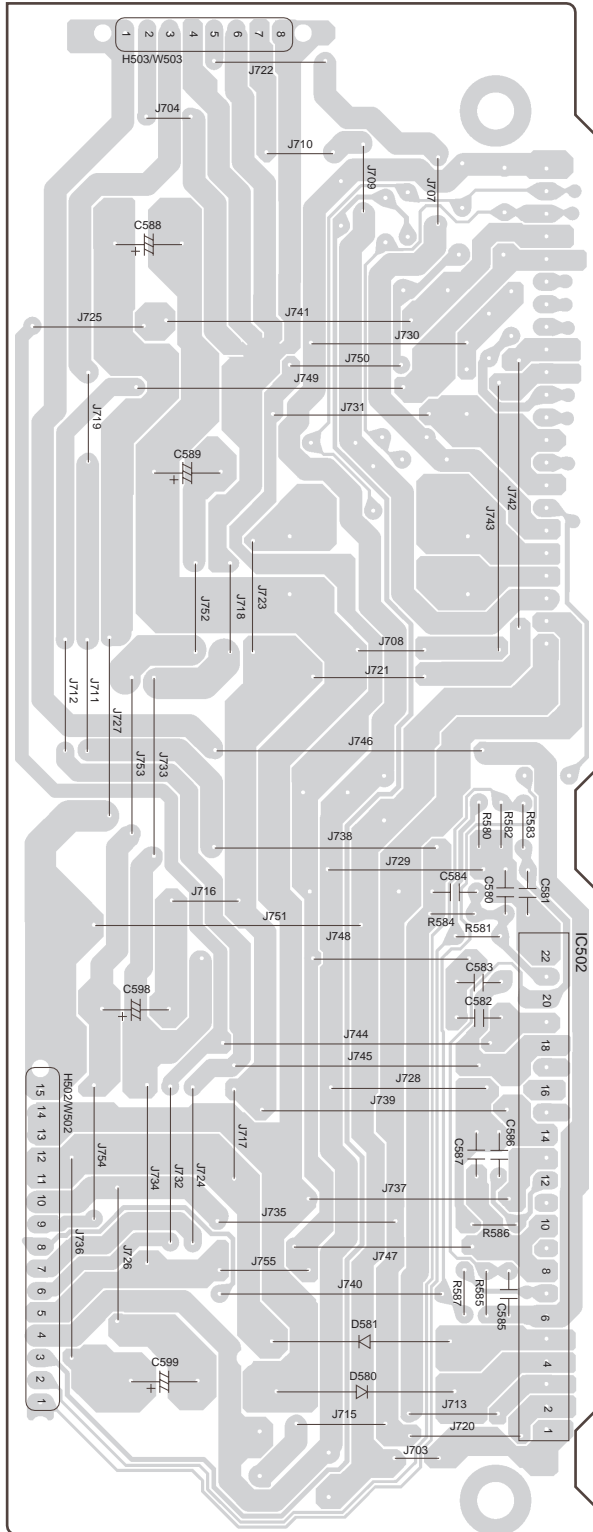
D

E

F

G

# J POWER (2) P.C.B. (REPX0310B)



A

B

C

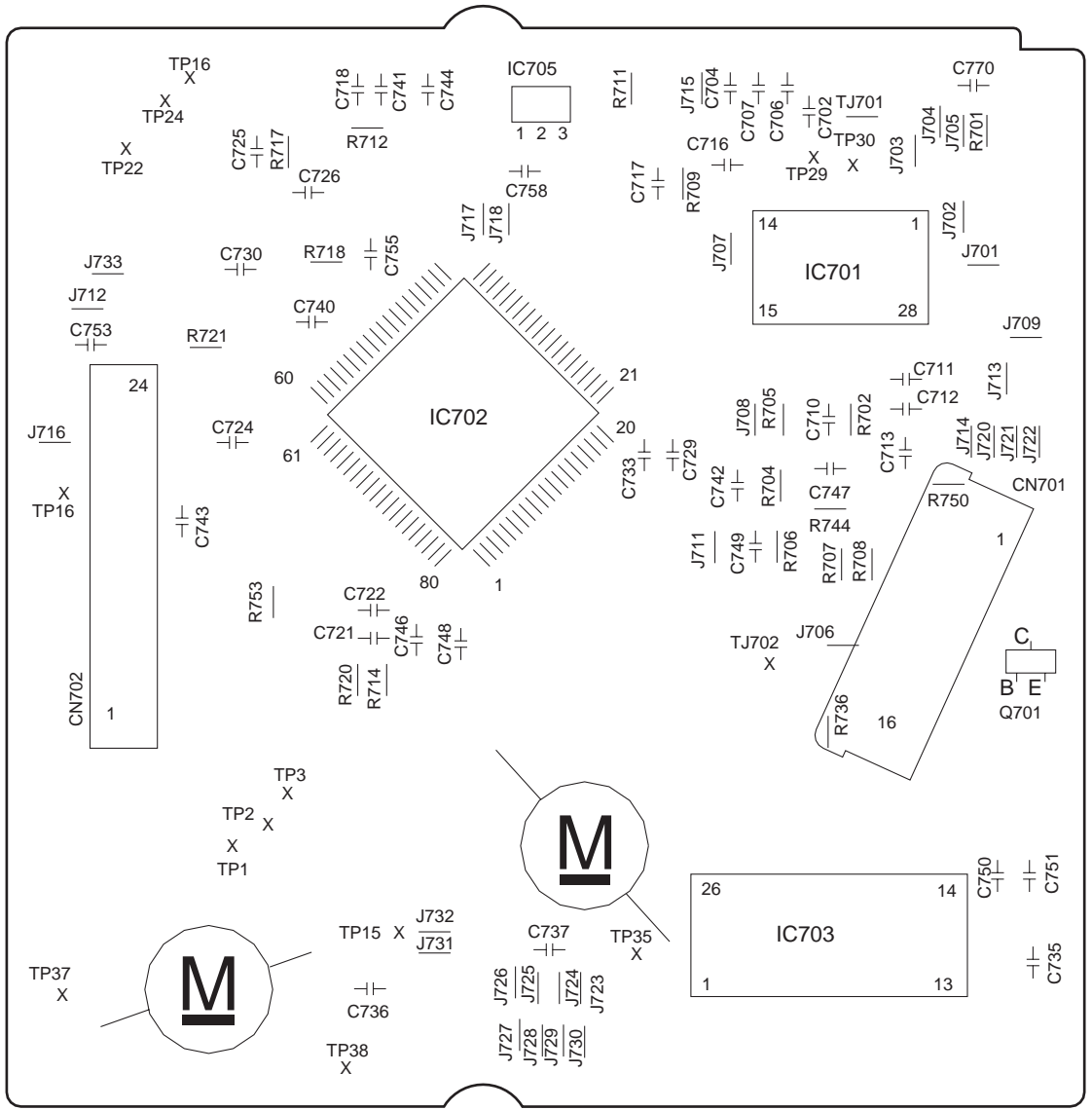
D

E

F

G

# A CD SERVO P.C.B (Side: A) (REPX0295A)



A

B

C

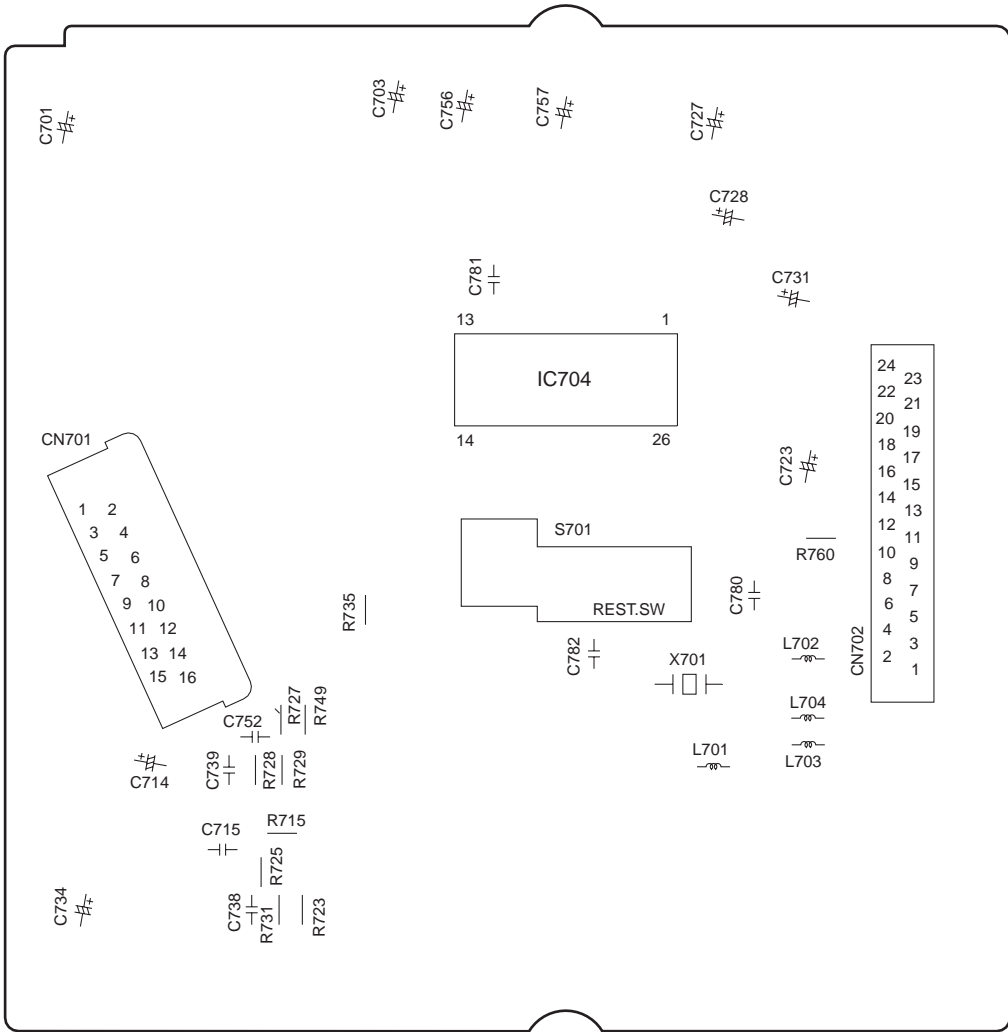
D

E

F

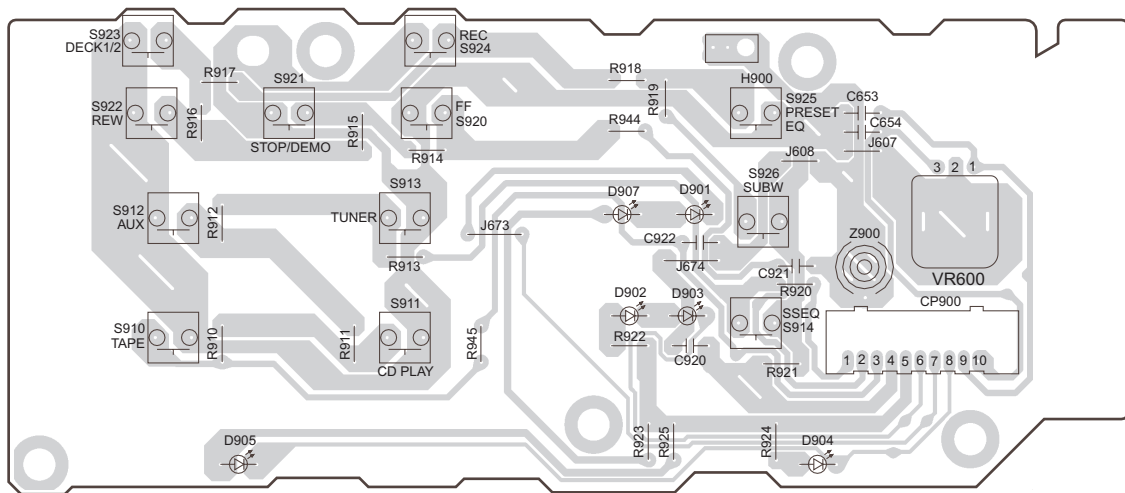
G

# A CD SERVO P.C.B (Side: B) (REPX0295A)

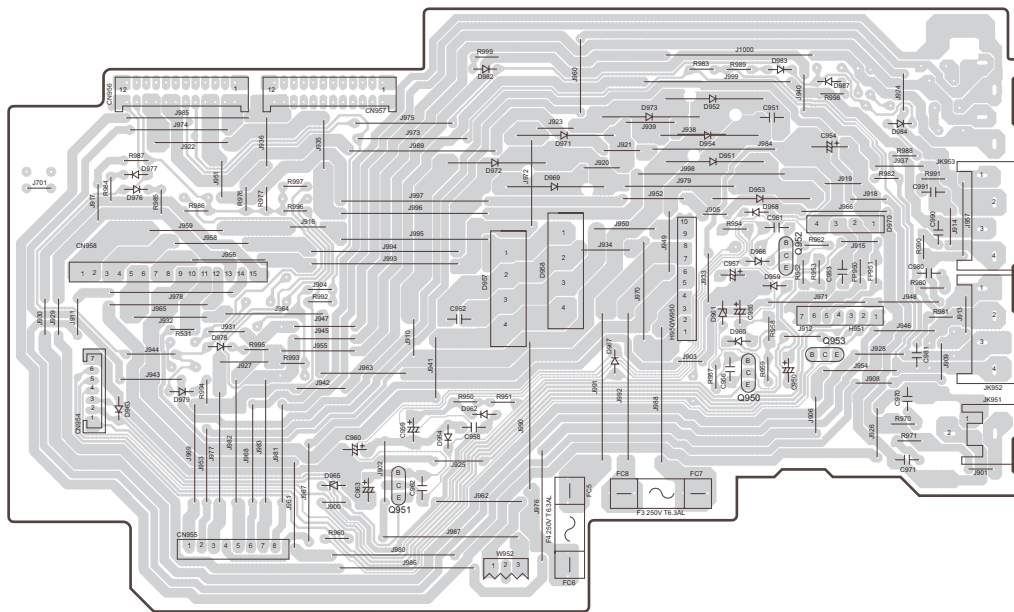


A B C D E F G

**E** TACT SWITCH P.C.B (REPX0308A)



**K** SPEAKER TERMINAL P.C.B. (REPX0310B)



A

B

C

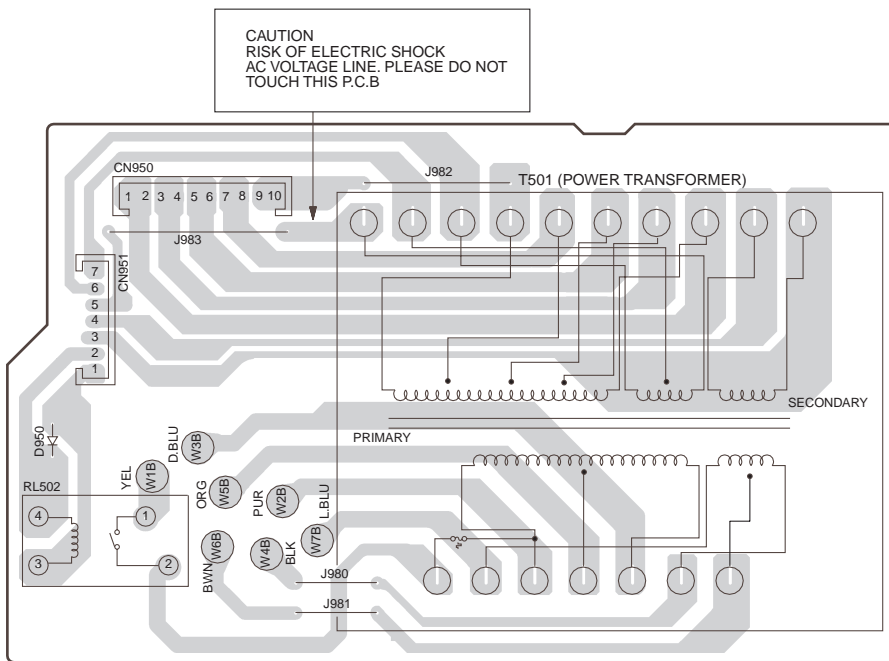
D

E

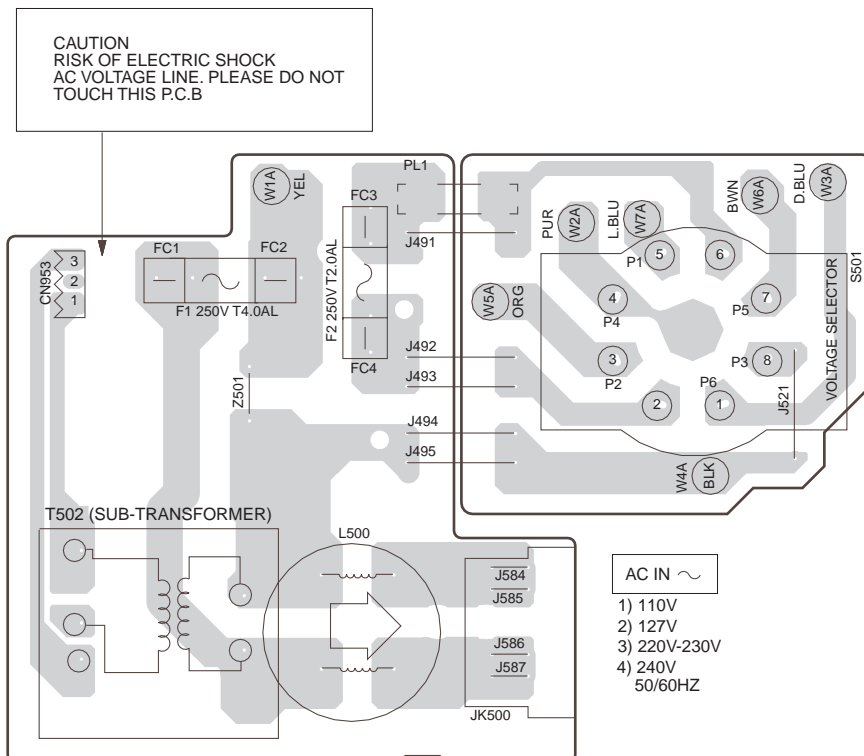
F

G

## L AC TRANSFORMER P.C.B. (REPX0311A)



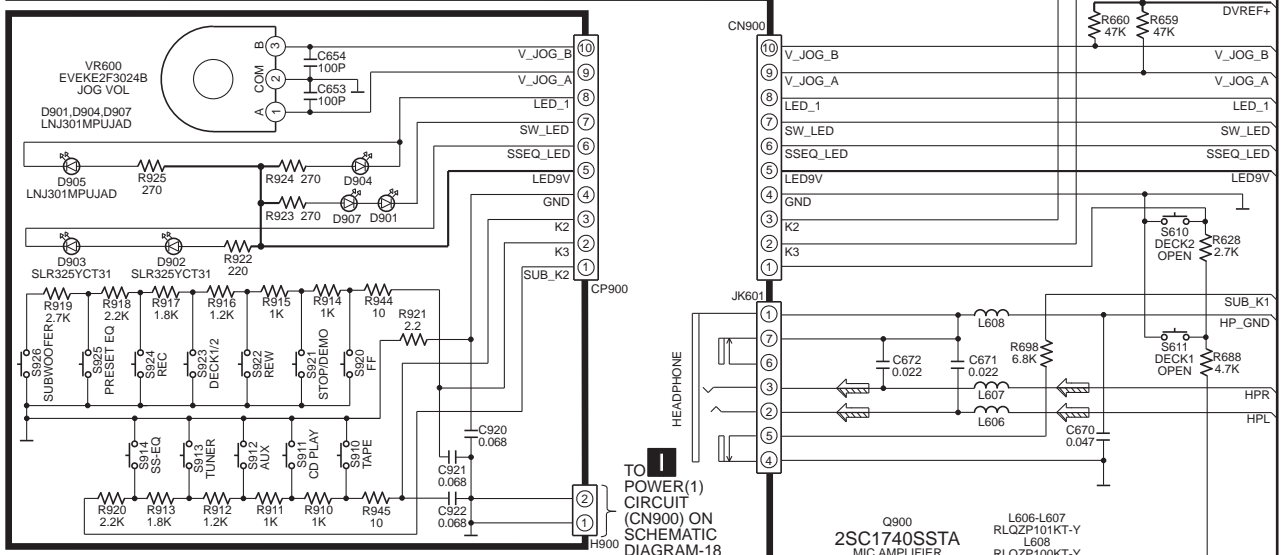
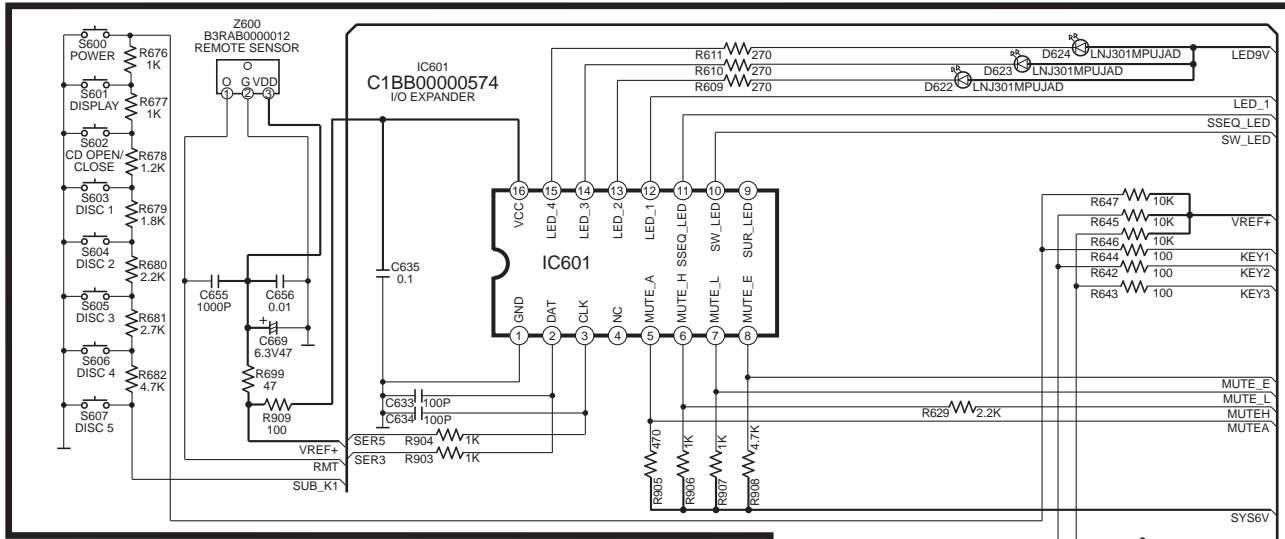
## M SUB-TRANSFORMER P.C.B. (REPX0311A) Q VOLTAGE SELECTOR P.C.B. (REPX0311A)



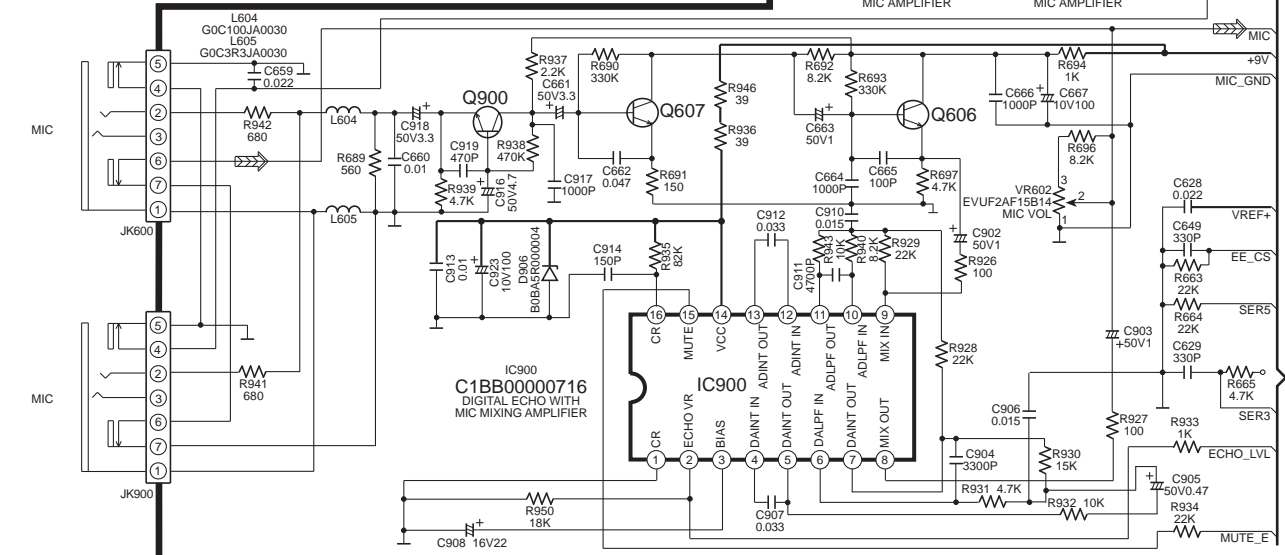
# SCHEMATIC DIAGRAM - 12

— : +B SIGNAL LINE    ⇨ : MAIN SIGNAL LINE    ⇨⇨ : MIC SIGNAL LINE

## D PANEL CIRCUIT



## E TACT SWITCH CIRCUIT

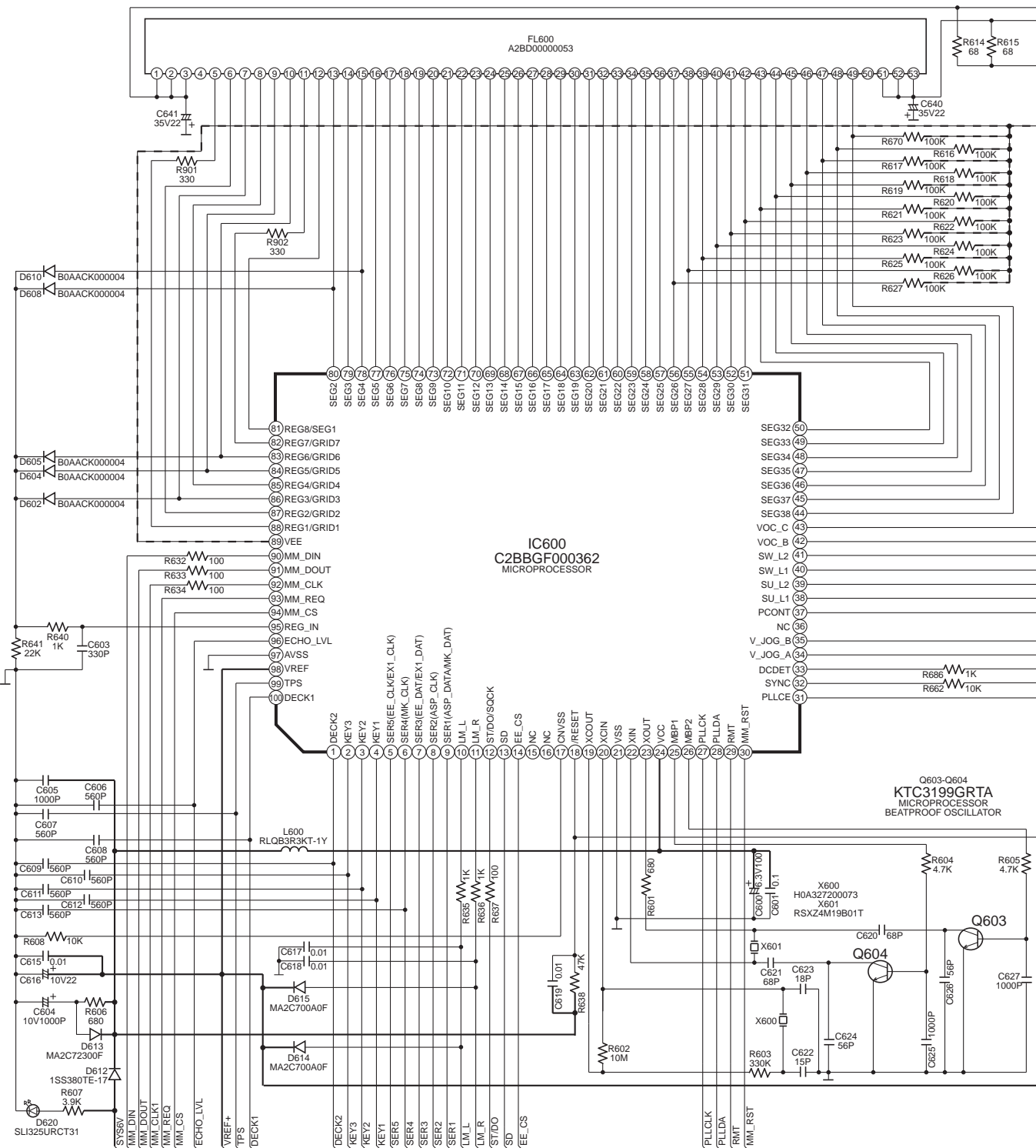


# SCHEMATIC DIAGRAM - 13

## D PANEL CIRCUIT

— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

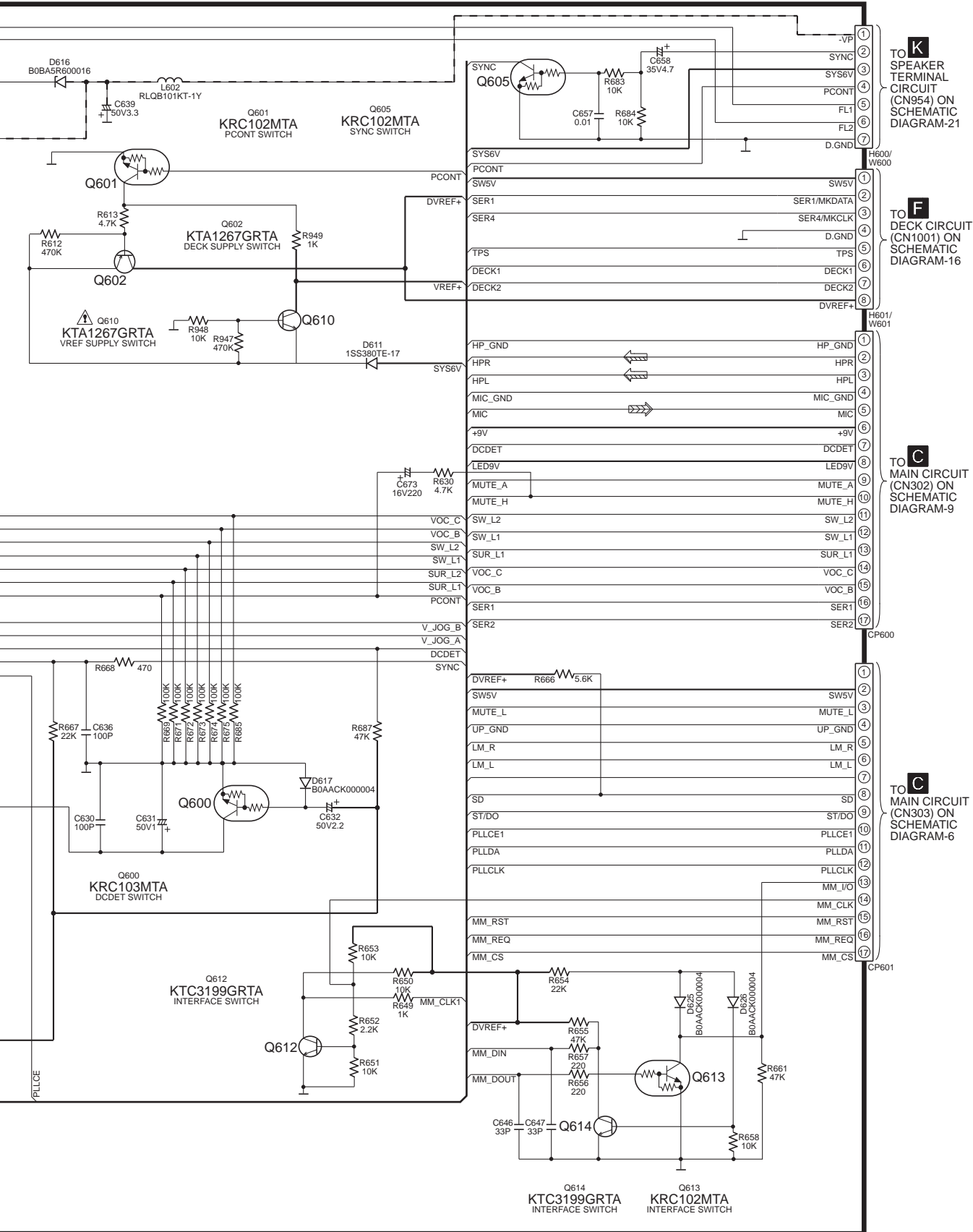




# SCHEMATIC DIAGRAM - 14

**D** PANEL CIRCUIT

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



**K**  
TO SPEAKER  
TERMINAL  
CIRCUIT  
(CN954) ON  
SCHEMATIC  
DIAGRAM-21

**F**  
TO DECK  
CIRCUIT  
(CN1001) ON  
SCHEMATIC  
DIAGRAM-16

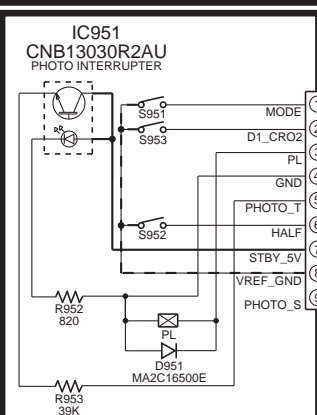
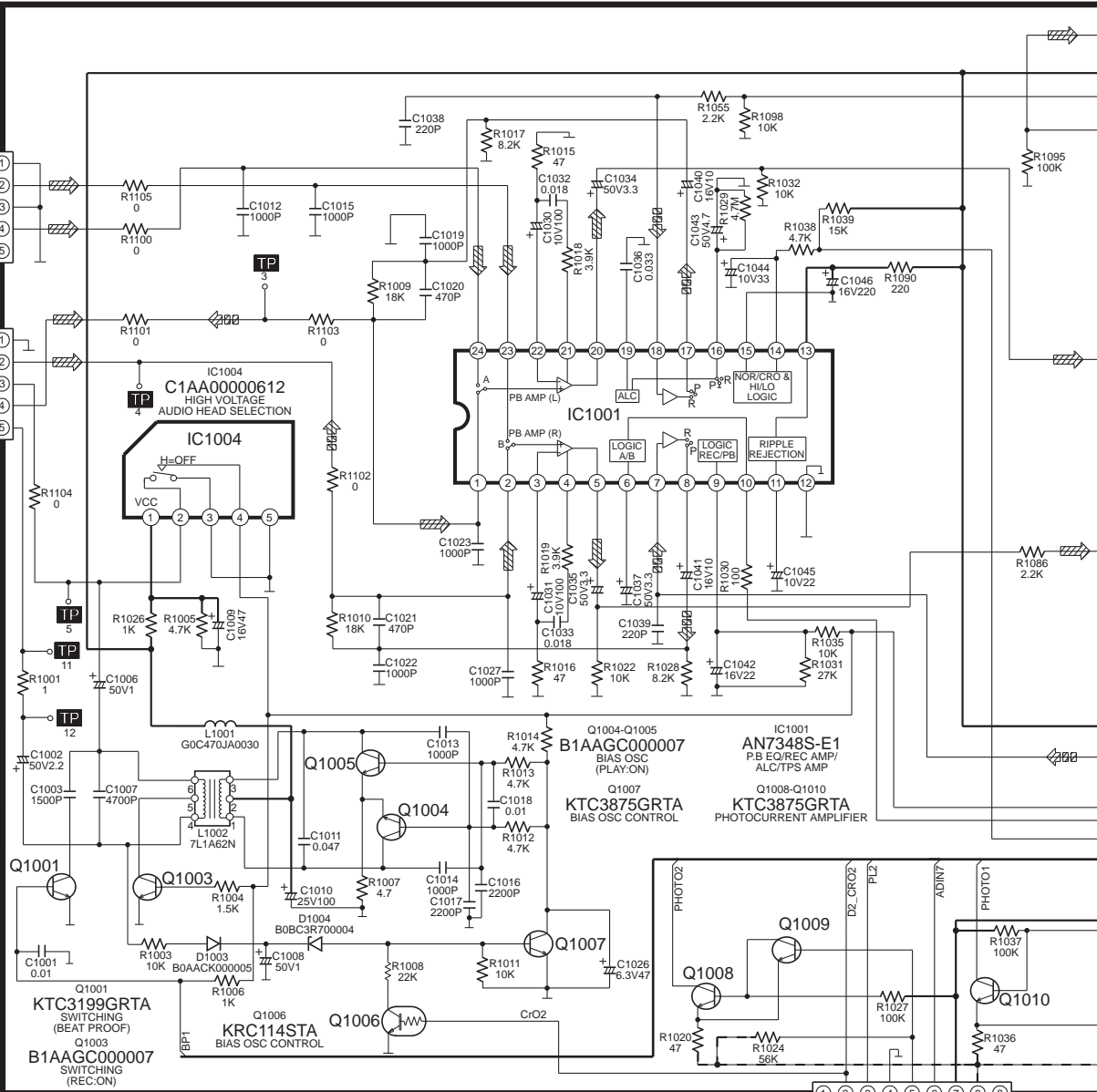
**C**  
TO MAIN  
CIRCUIT  
(CN302) ON  
SCHEMATIC  
DIAGRAM-9

**C**  
TO MAIN  
CIRCUIT  
(CN303) ON  
SCHEMATIC  
DIAGRAM-6

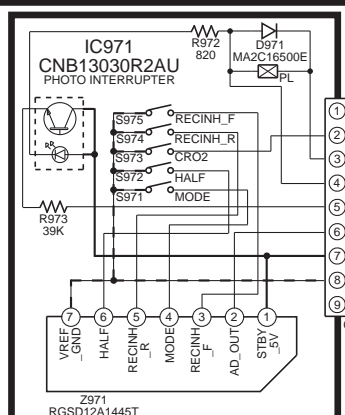
# SCHEMATIC DIAGRAM - 15

— : +B SIGNAL LINE  
 - - - : -B SIGNAL LINE  
 ▨ : PLAYBACK SIGNAL LINE  
 Ⓜ : RECORD SIGNAL LINE

## F DECK CIRCUIT



TO DECK CIRCUIT (CP1001) ON SCHEMATIC DIAGRAM-16



TO MECHANISM CIRCUIT (CS971) ON SCHEMATIC DIAGRAM-15

## G MECHANISM CIRCUIT (DECK 1)

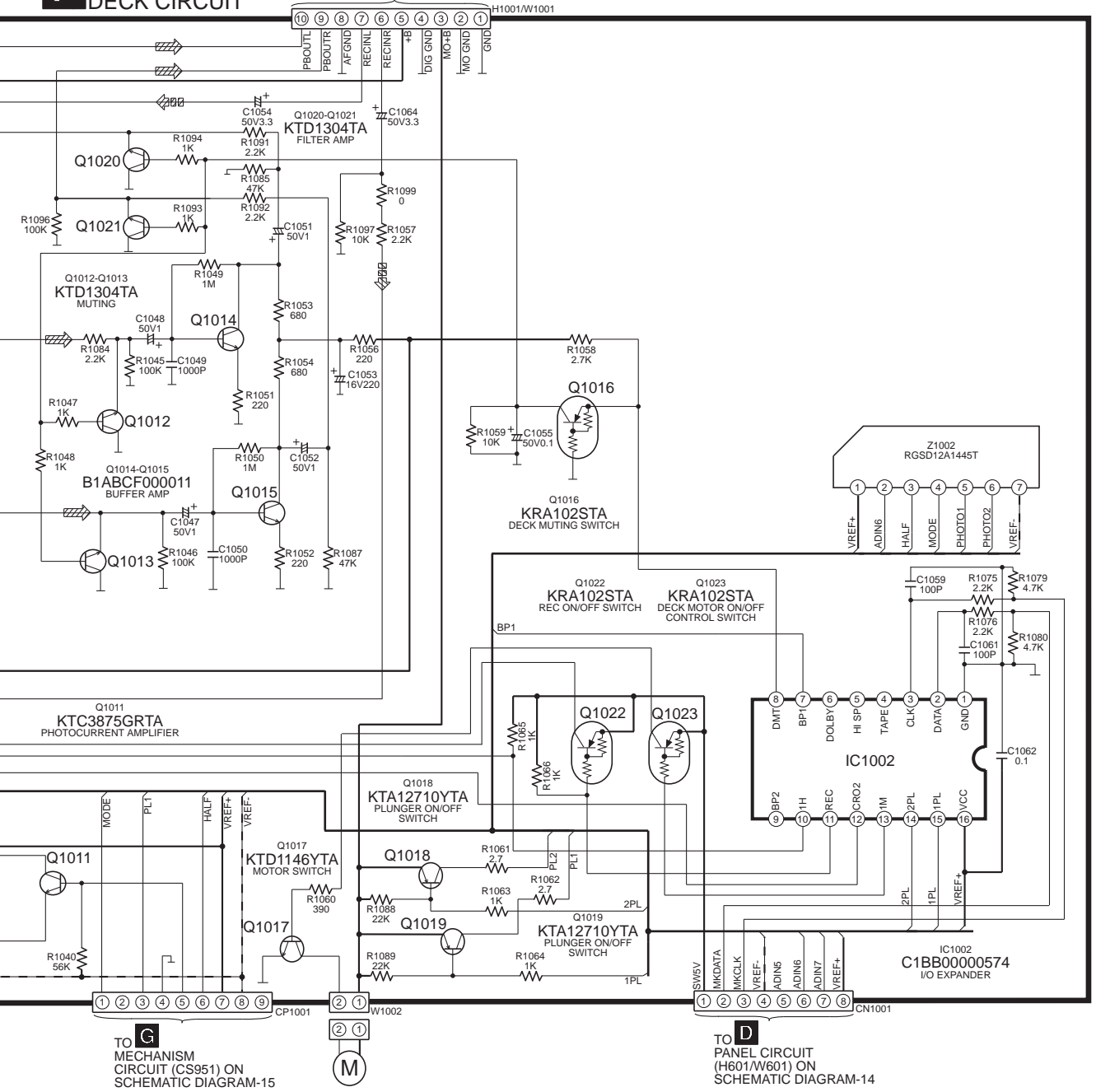
## H MECHANISM CIRCUIT (DECK 2)

# SCHEMATIC DIAGRAM - 16

- : +B SIGNAL LINE
- : -B SIGNAL LINE
- : PLAYBACK SIGNAL LINE
- : RECORD SIGNAL LINE

## F DECK CIRCUIT

TO **C**  
MAIN CIRCUIT (CN304) ON  
SCHEMATIC DIAGRAM-5



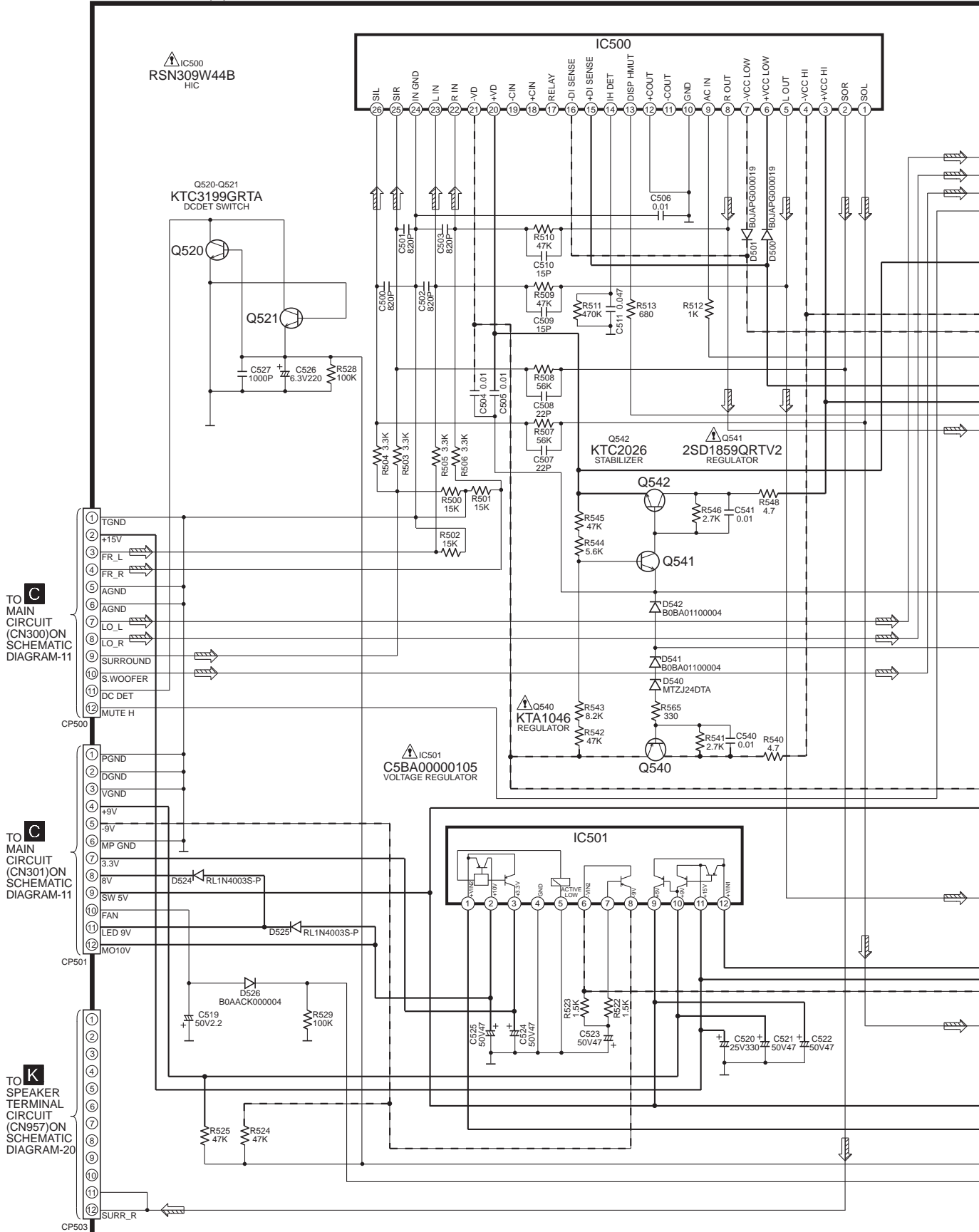
TO **G**  
MECHANISM  
CIRCUIT (CS951) ON  
SCHEMATIC DIAGRAM-15

TO **D**  
PANEL CIRCUIT  
(H601/W601) ON  
SCHEMATIC DIAGRAM-14

# SCHEMATIC DIAGRAM - 17

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

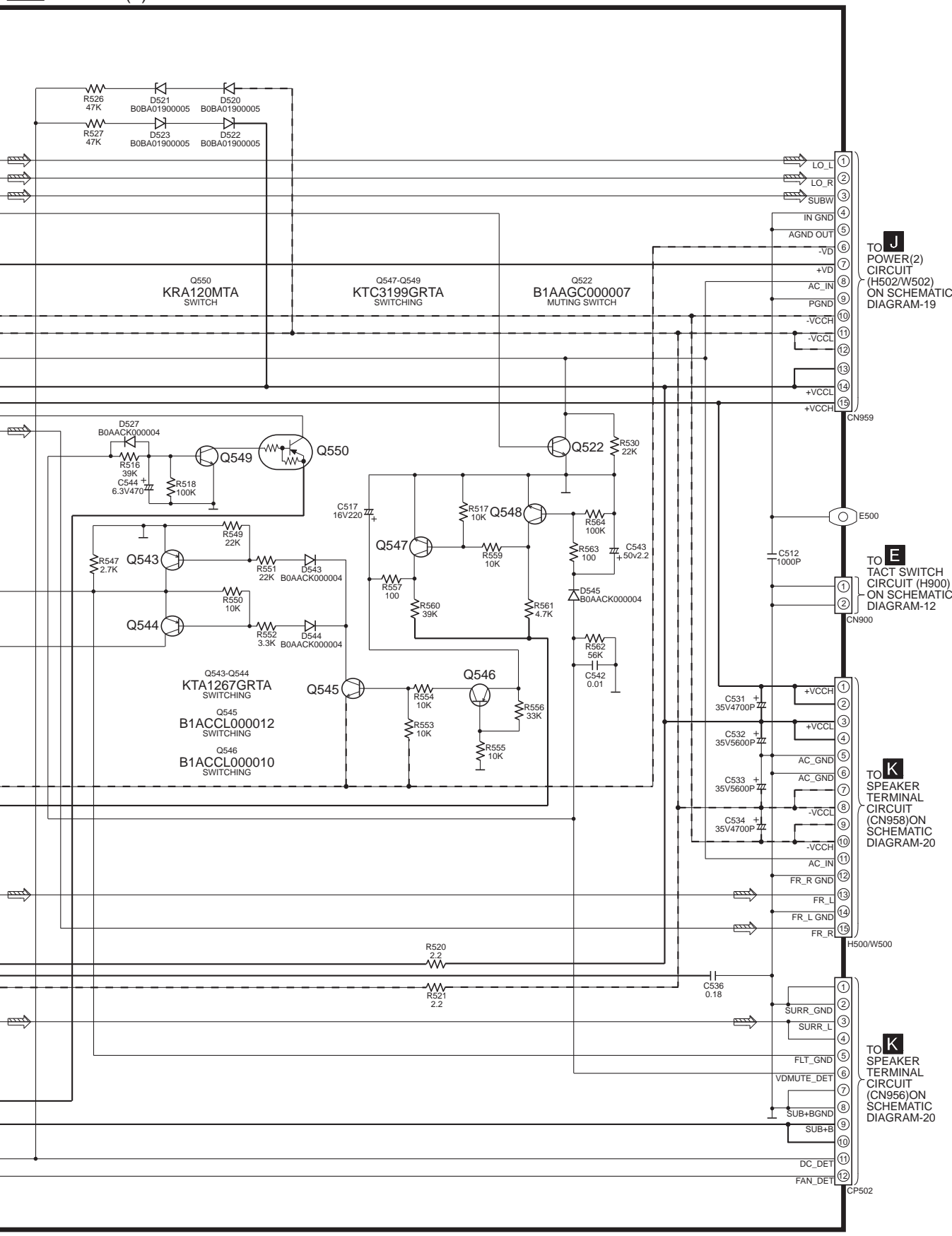
## POWER (1) CIRCUIT



# SCHEMATIC DIAGRAM - 18

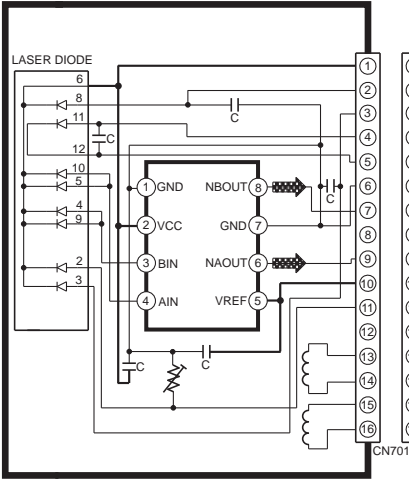
— : +B SIGNAL LINE    - - - : -B SIGNAL LINE    ⇨ : MAIN SIGNAL LINE

## POWER (1) CIRCUIT



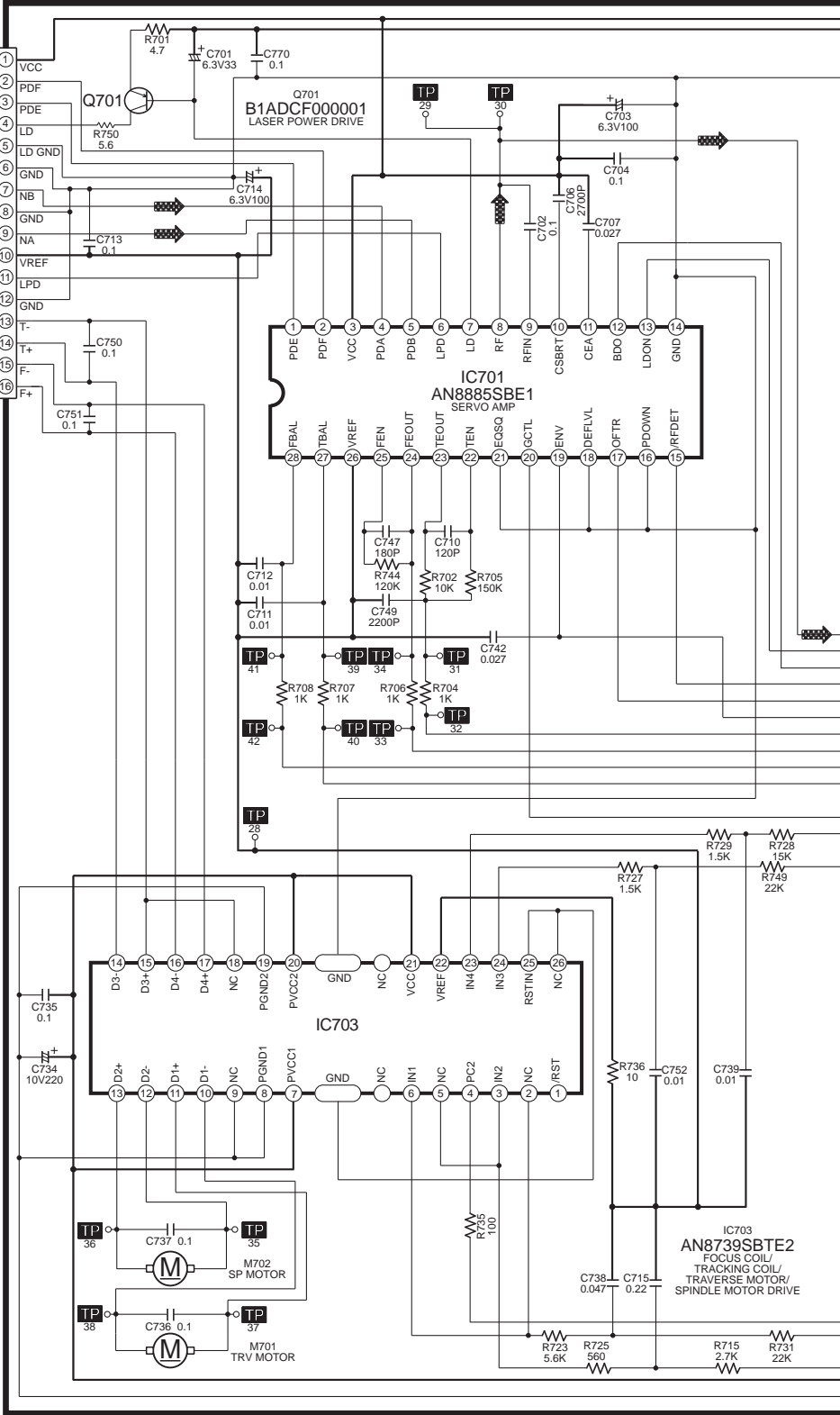
# SCHEMATIC DIAGRAM - 1

## OPTICAL PICKUP CIRCUIT



## A CD SERVO CIRCUIT

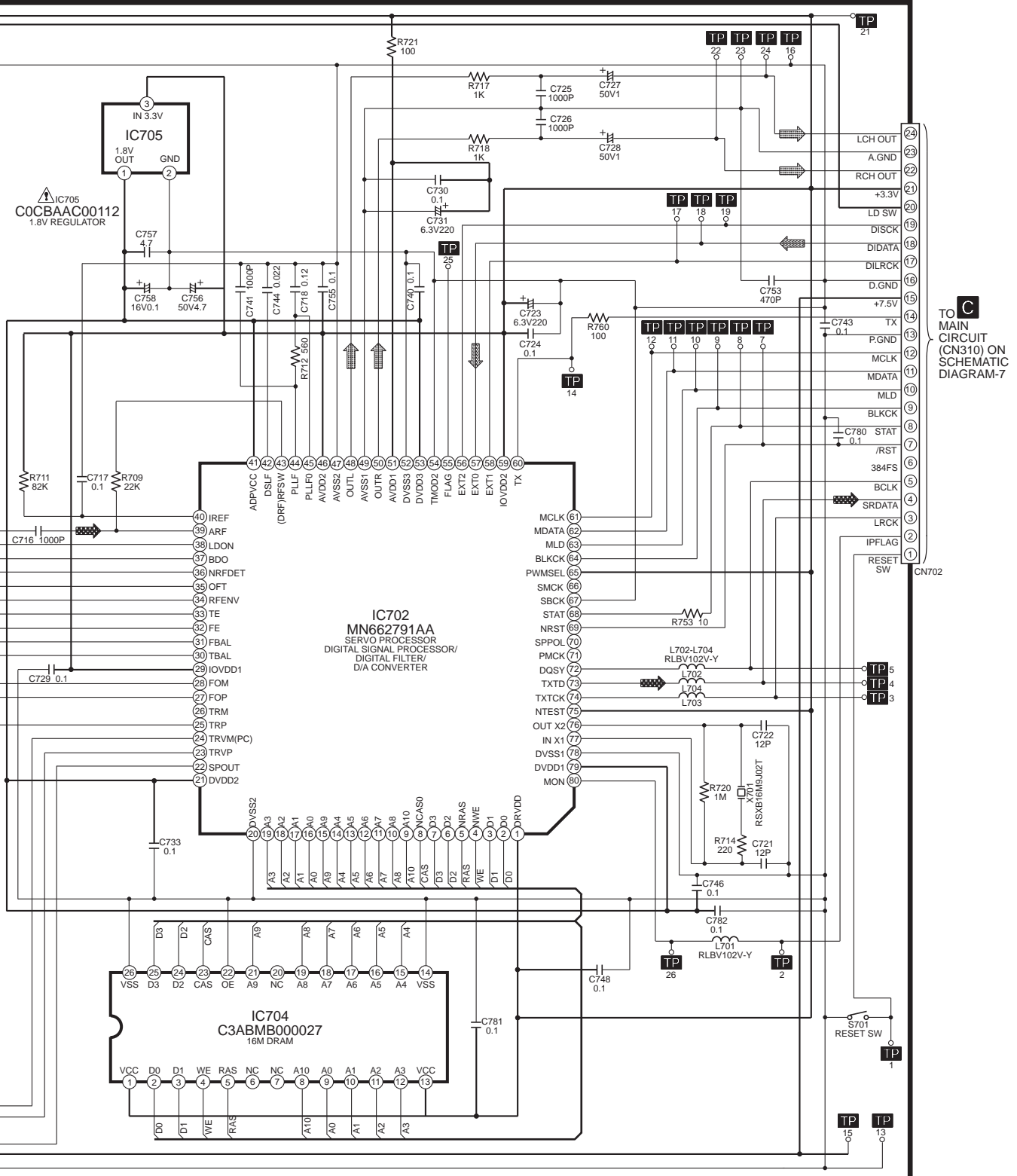
— : +B SIGNAL LINE    : CD-DA SIGNAL LINE



# SCHEMATIC DIAGRAM - 2

— : +B SIGNAL LINE    ◀ : CD-DA SIGNAL LINE    ▶ : CD SIGNAL LINE    ▶ : VCD AUDIO SIGNAL LINE

## A CD SERVO CIRCUIT



C TO MAIN CIRCUIT (CN310) ON SCHEMATIC DIAGRAM-7

# SCHEMATIC DIAGRAM - 19

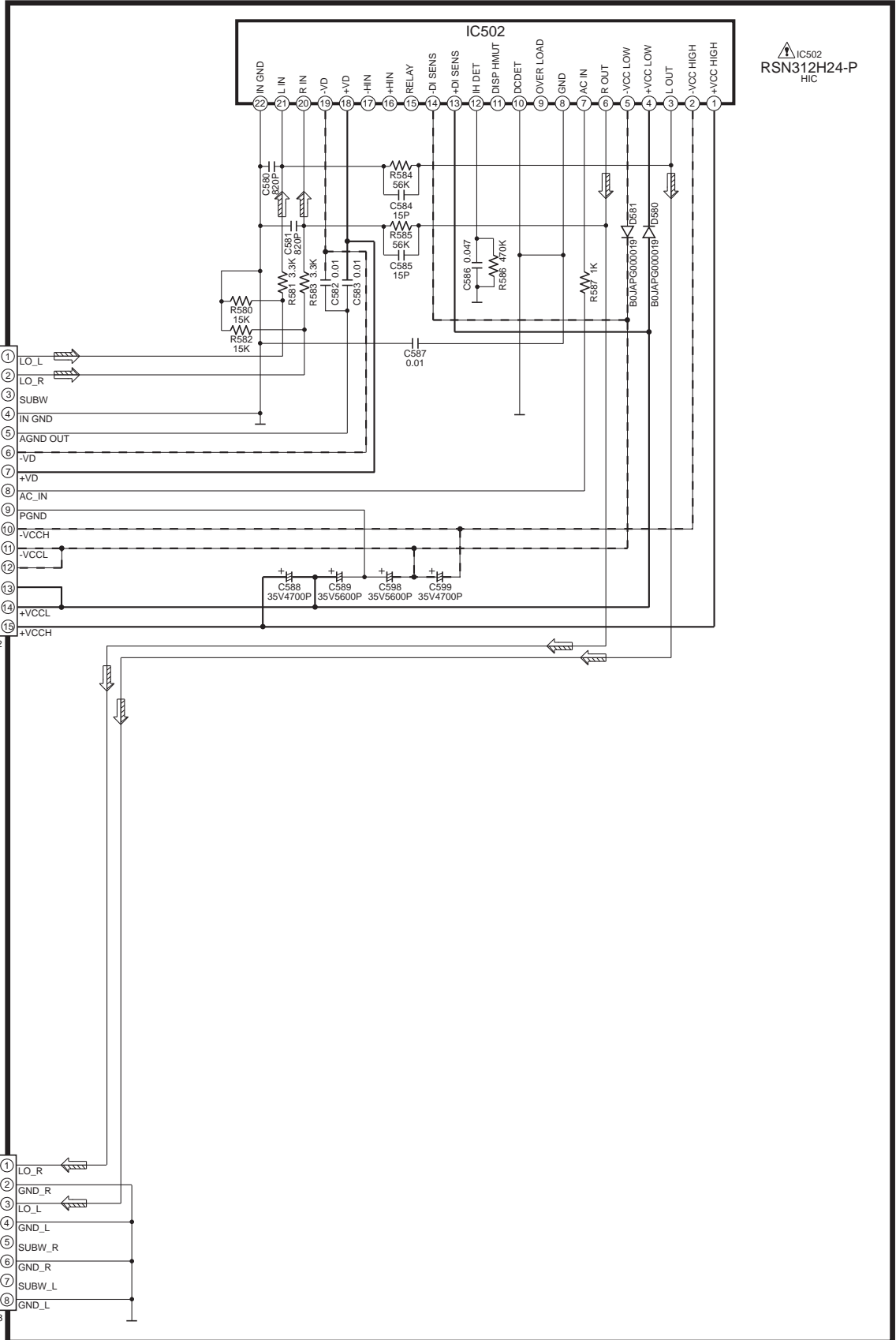
— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

⇒ : MAIN SIGNAL LINE

## J

### POWER CIRCUIT (2)



**I**  
TO POWER(1)  
CIRCUIT  
(CN959) ON  
SCHEMATIC  
DIAGRAM-18

**K**  
TO SPEAKER  
TERMINAL  
CIRCUIT  
(CN955) ON  
SCHEMATIC  
DIAGRAM-21



# SCHEMATIC DIAGRAM - 20

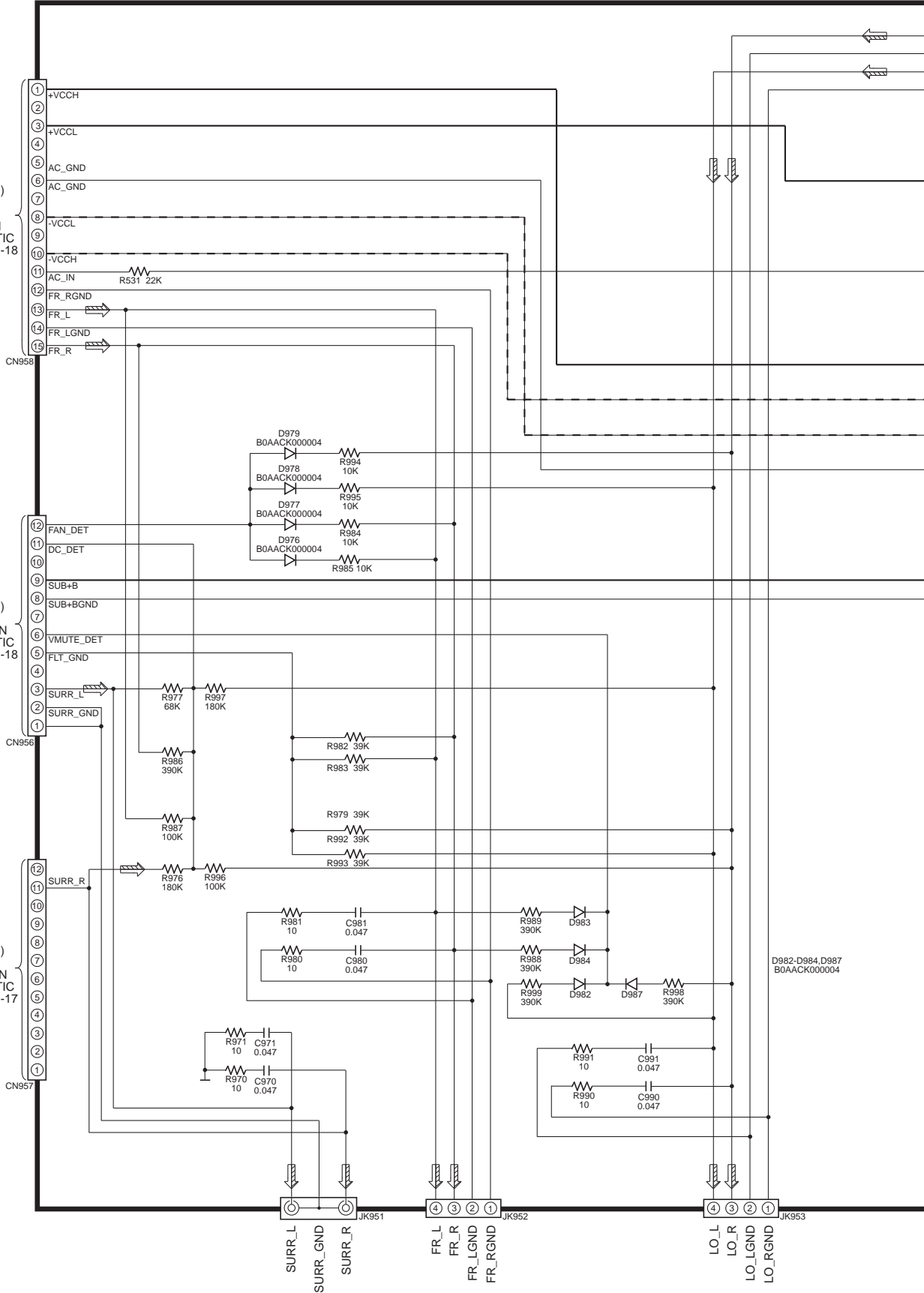
## K SPEAKER TERMINAL CIRCUIT

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

TO POWER(1) CIRCUIT (H500/W500) ON SCHEMATIC DIAGRAM-18

TO POWER(1) CIRCUIT (CP502) ON SCHEMATIC DIAGRAM-18

TO POWER(1) CIRCUIT (CP503) ON SCHEMATIC DIAGRAM-17



D982-D984, D987  
B0AACK000004

# SCHEMATIC DIAGRAM - 21

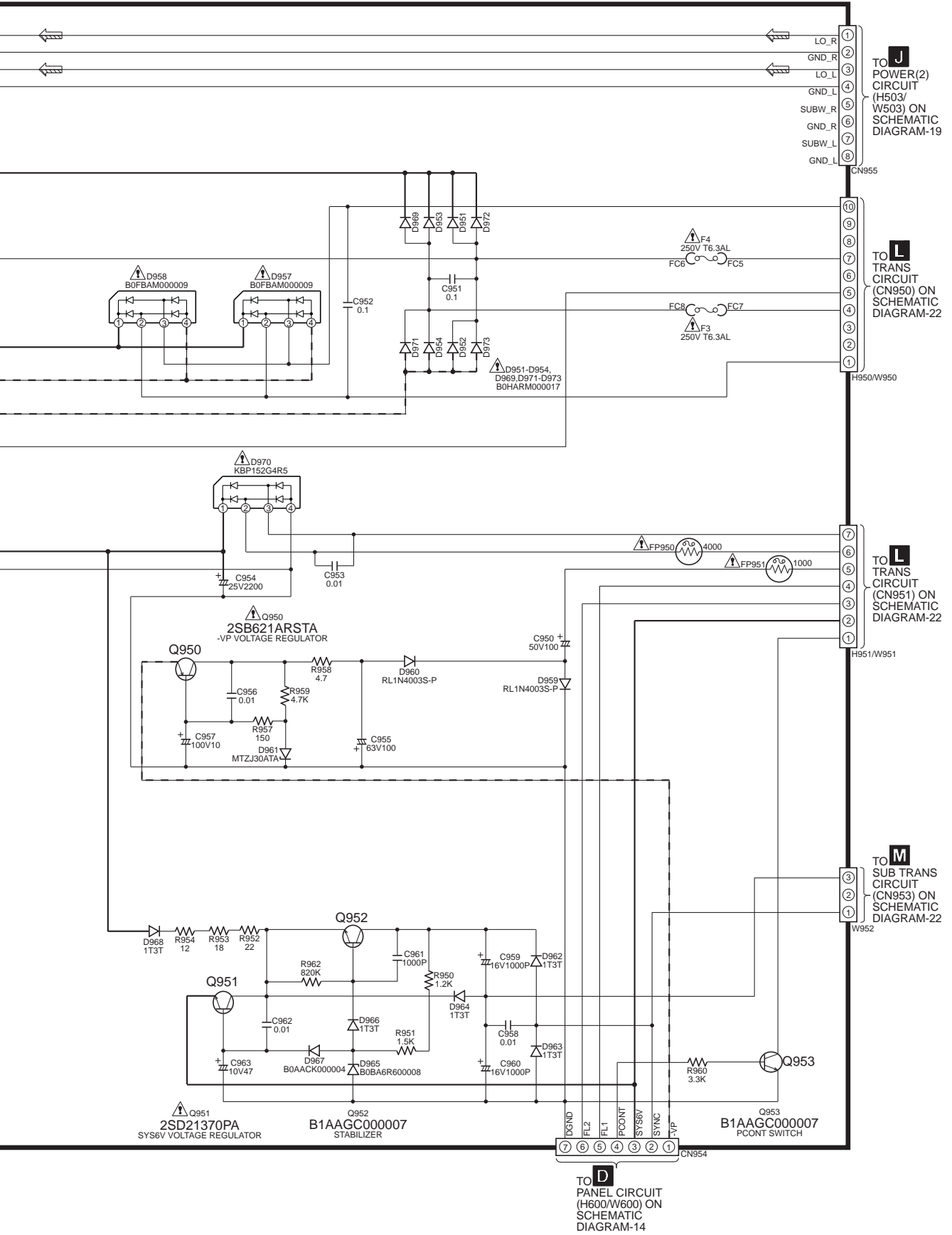
## K

### SPEAKER TERMINAL CIRCUIT

— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

⇒ : MAIN SIGNAL LINE



TO **J**  
POWER(2)  
CIRCUIT  
(H503/  
W503) ON  
SCHEMATIC  
DIAGRAM-19

TO **L**  
TRANS  
CIRCUIT  
(CN950) ON  
SCHEMATIC  
DIAGRAM-22

TO **L**  
TRANS  
CIRCUIT  
(CN951) ON  
SCHEMATIC  
DIAGRAM-22

TO **M**  
SUB TRANS  
CIRCUIT  
(CN953) ON  
SCHEMATIC  
DIAGRAM-22

TO **D**  
PANEL CIRCUIT  
(H600/W600) ON  
SCHEMATIC  
DIAGRAM-14

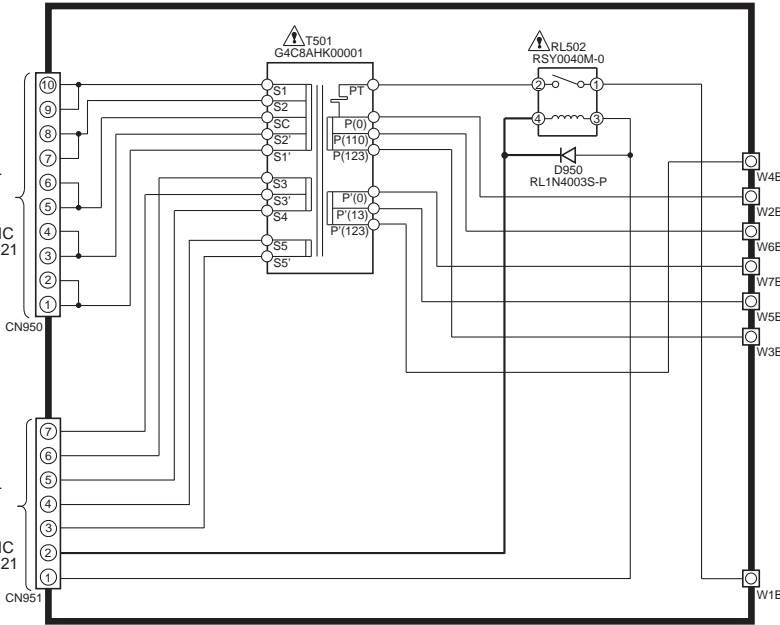
# SCHEMATIC DIAGRAM - 22

— : +B SIGNAL LINE

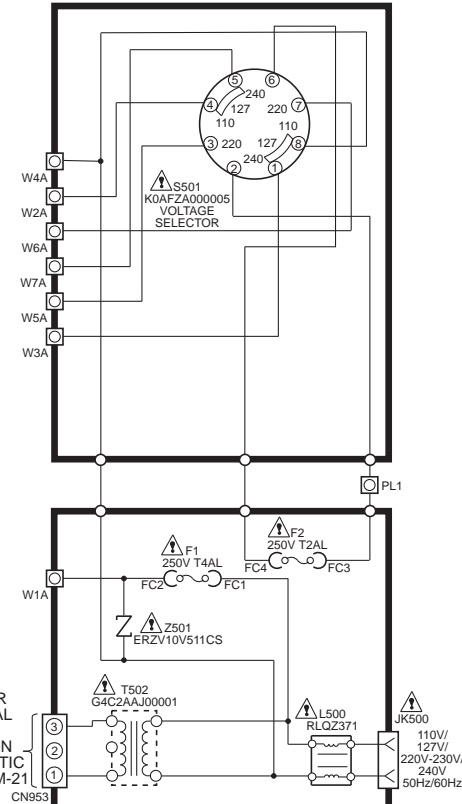
## L AC TRANSFORMER CIRCUIT

**K**  
TO  
SPEAKER  
TERMINAL  
CIRCUIT  
(H950  
/W950) ON  
SCHEMATIC  
DIAGRAM-21

**K**  
TO  
SPEAKER  
TERMINAL  
CIRCUIT  
(H951/  
W951) ON  
SCHEMATIC  
DIAGRAM-21



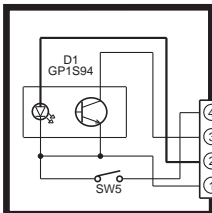
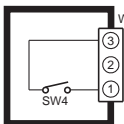
## Q VOLTAGE SELECTOR CIRCUIT



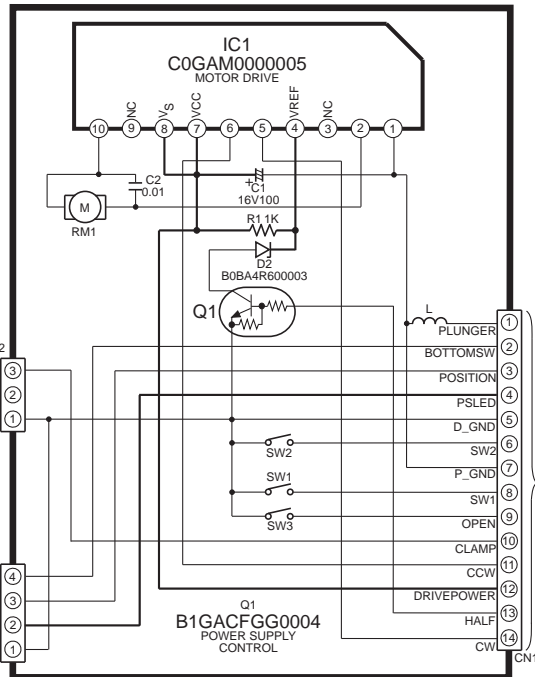
**K**  
TO  
SPEAKER  
TERMINAL  
CIRCUIT  
(W952) ON  
SCHEMATIC  
DIAGRAM-21

## M SUB TRANSFORMER CIRCUIT

## N CD DETECT CIRCUIT



## O SPINDLE POSITION CIRCUIT



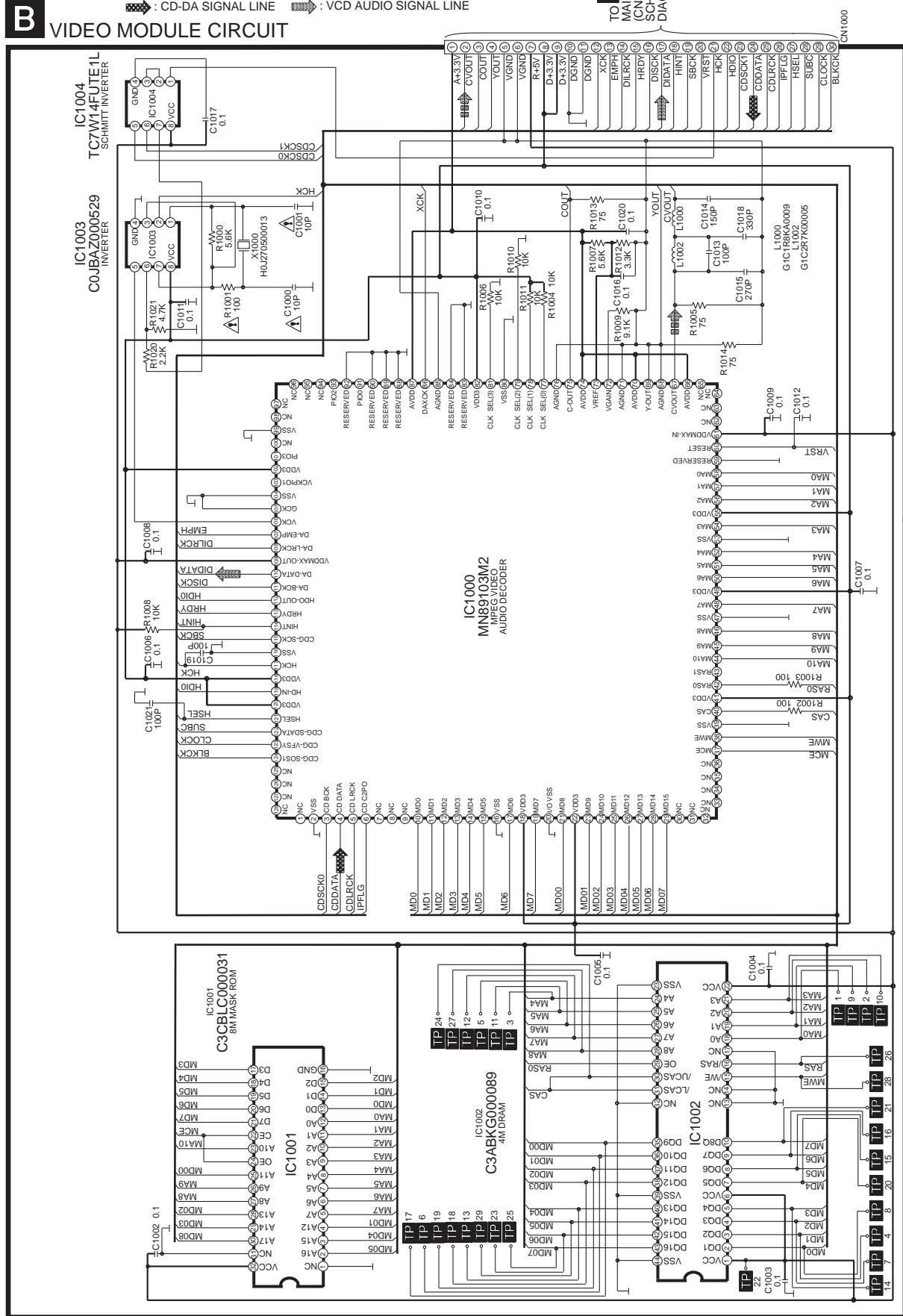
## P CD LOADING CIRCUIT

**C**  
TO  
MAIN CIRCUIT  
(CN309) ON  
SCHEMATIC  
DIAGRAM-6



TO MAIN CIRCUIT  
 (CN311) ON  
 SCHEMATIC  
 DIAGRAM-8

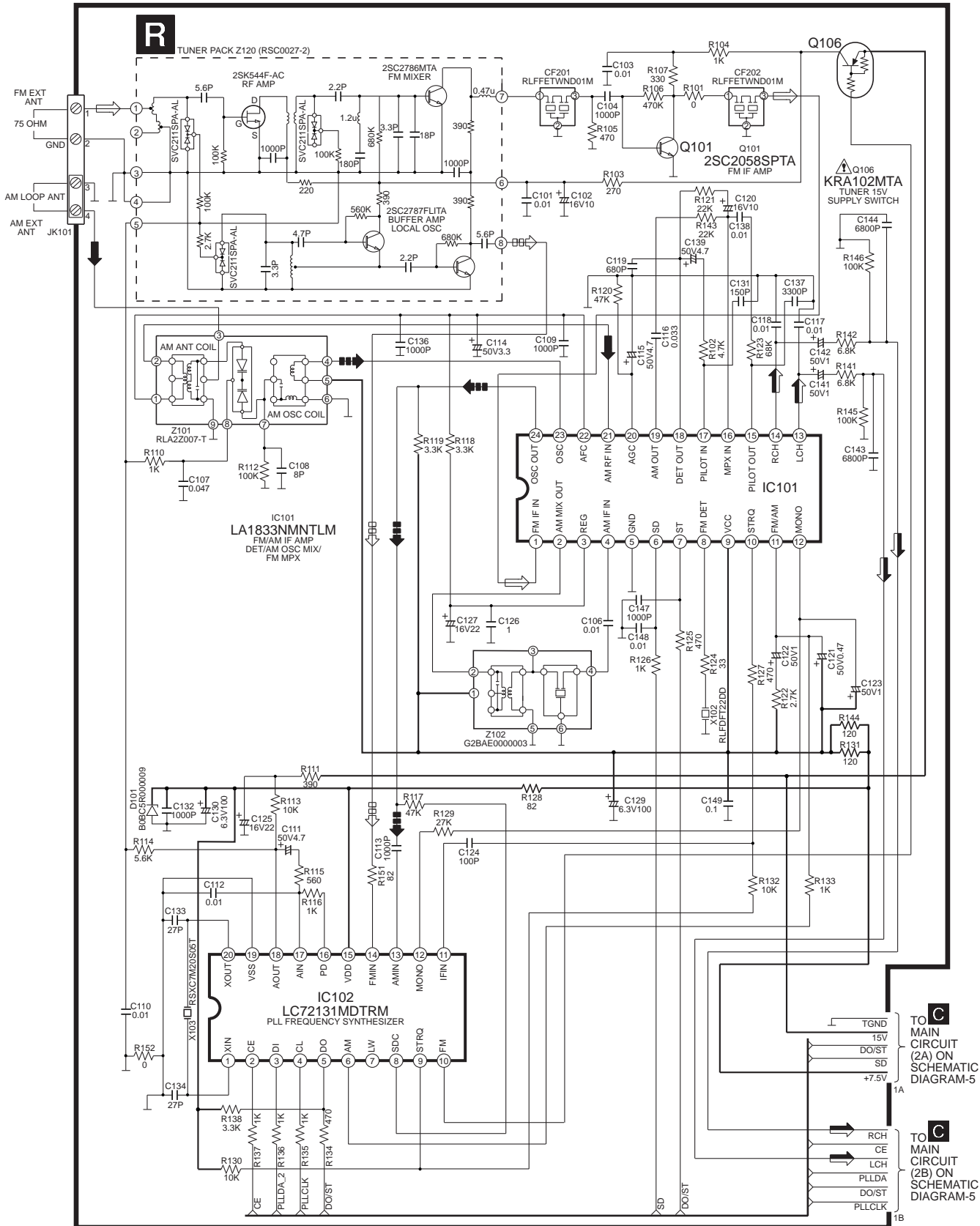
## B VIDEO MODULE CIRCUIT



**SCHEMATIC DIAGRAM - 4**

— : +B SIGNAL LINE      ⇨ : FM SIGNAL LINE      ➡ : AM SIGNAL LINE  
 ⇨ : FM/AM SIGNAL LINE      □□ : FM OSC SIGNAL LINE      ⇨ : AM OSC SIGNAL LINE

**C TUNER/MAIN CIRCUIT**

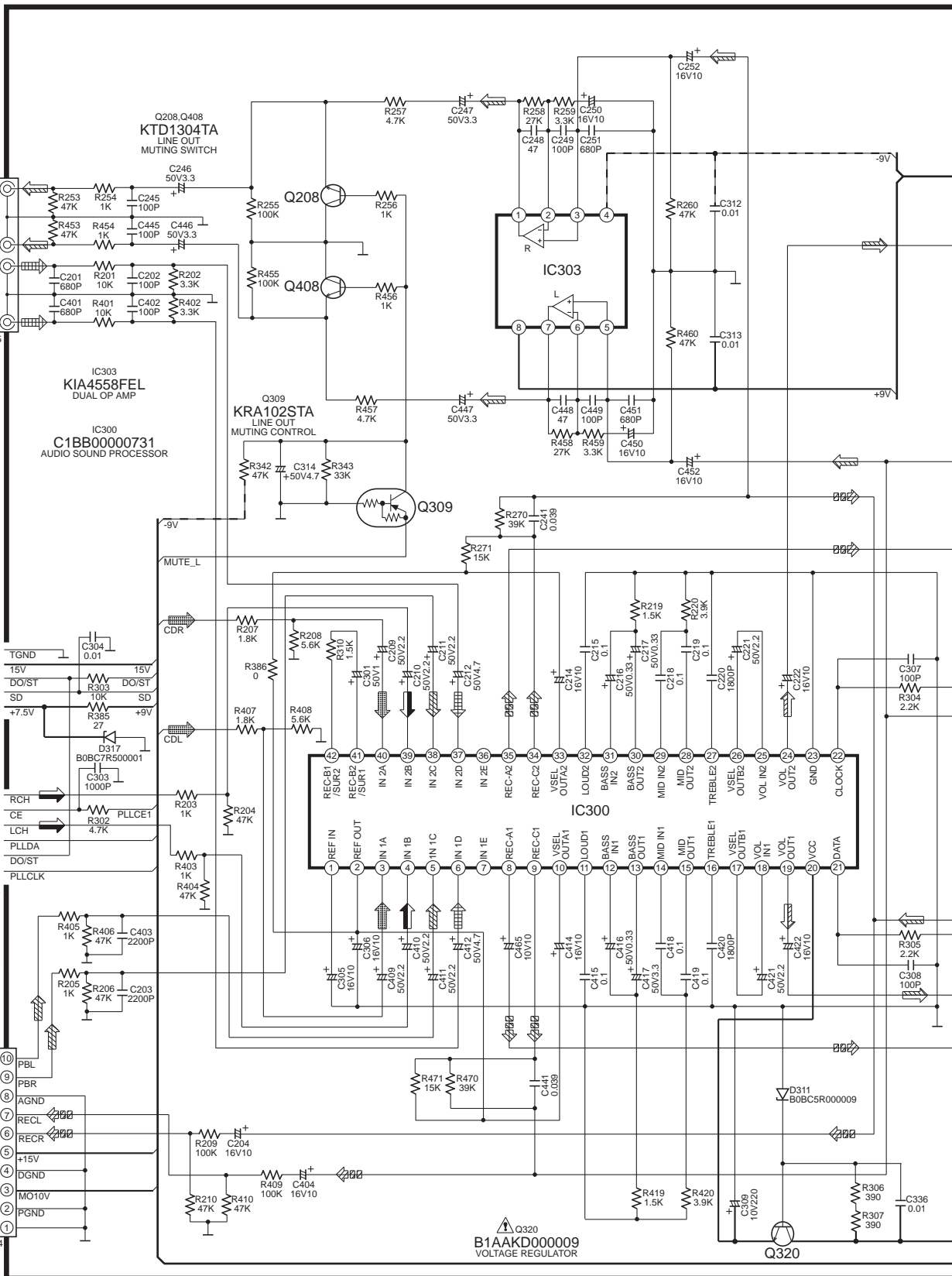


TO MAIN CIRCUIT (2A) ON SCHEMATIC DIAGRAM-5  
 TO MAIN CIRCUIT (2B) ON SCHEMATIC DIAGRAM-5

# SCHEMATIC DIAGRAM - 5

**C** MAIN CIRCUIT

- : +B SIGNAL LINE
- ⊞ : CD SIGNAL LINE
- ⊞ : AUX SIGNAL LINE
- ⊞ : RECORD SIGNAL LINE
- - : -B SIGNAL LINE
- ➔ : FM/AM SIGNAL LINE
- ⊞ : MAIN SIGNAL LINE
- ⊞ : PLAYBACK SIGNAL LINE



TO TUNER CIRCUIT (1A) ON SCHEMATIC DIAGRAM-4

TO TUNER CIRCUIT (1B) ON SCHEMATIC DIAGRAM-4

TO DECK CIRCUIT (H1001/W1001) ON SCHEMATIC DIAGRAM-16

Q320  
B1AAKD000009  
VOLTAGE REGULATOR

Q320

SCHEMATIC DIAGRAM - 6

**C** MAIN CIRCUIT

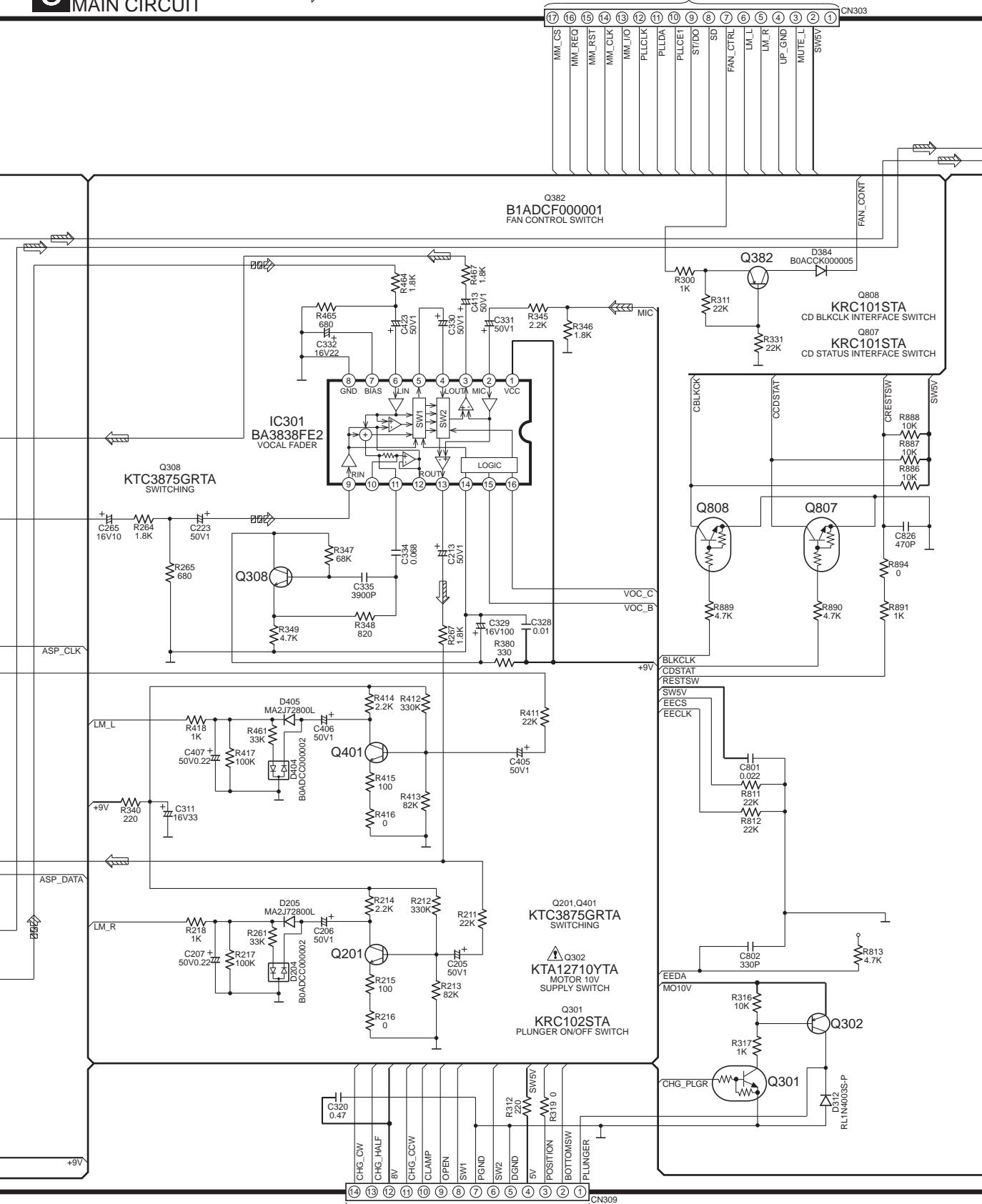
— : +B SIGNAL LINE

 : MAIN SIGNAL LINE

 : RECORD SIGNAL LINE

 : MIC SIGNAL LINE

TO **D** PANEL CIRCUIT (CP601) ON SCHEMATIC DIAGRAM-14

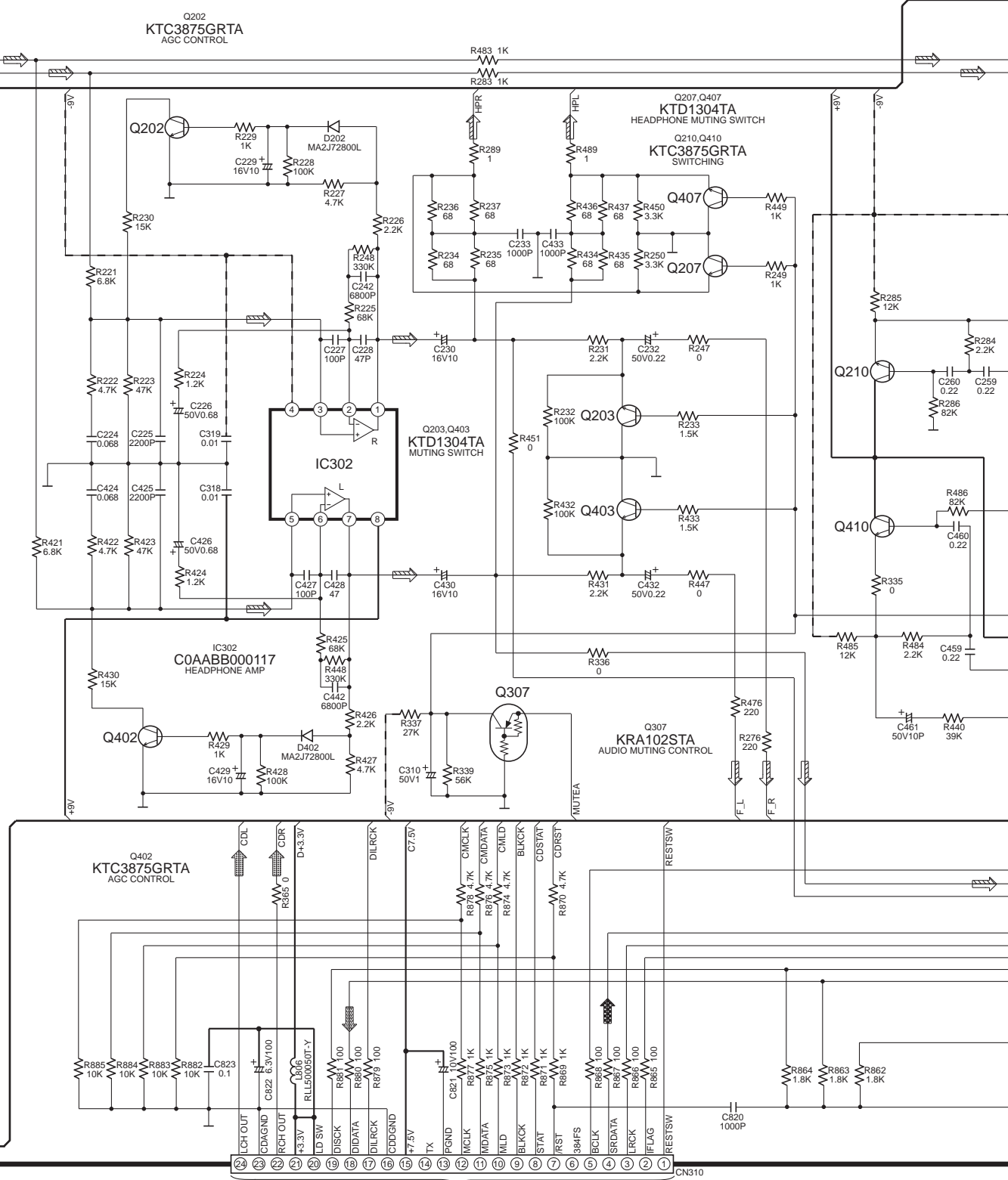


TO **P** CD LOADING CIRCUIT (CN1) ON SCHEMATIC DIAGRAM-22

# SCHEMATIC DIAGRAM - 7

## MAIN CIRCUIT

- : +B SIGNAL LINE
- - - : -B SIGNAL LINE
- : CD SIGNAL LINE
- : CD-DA SIGNAL LINE
- : VCD AUDIO SIGNAL LINE
- : MAIN SIGNAL LINE



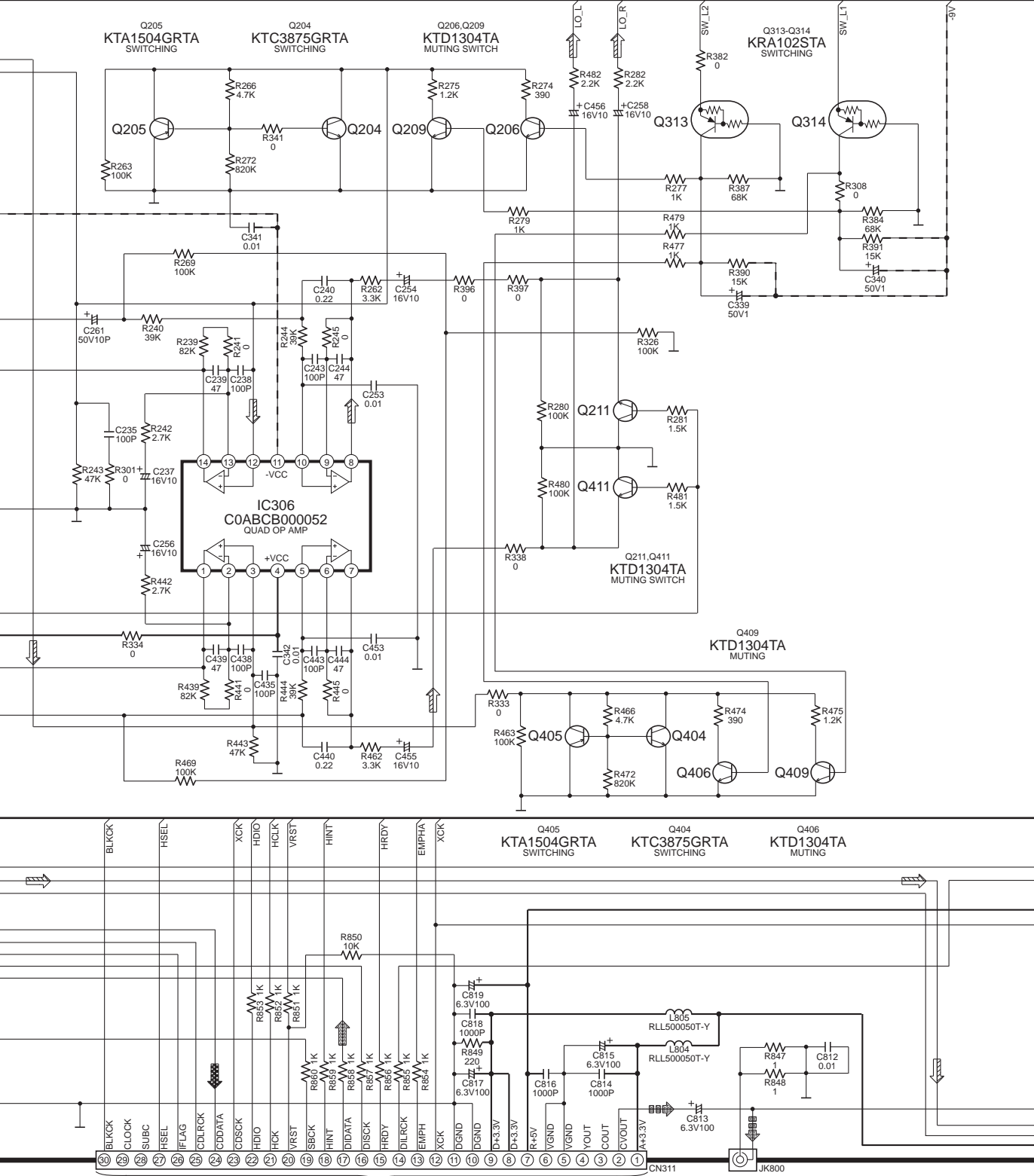
TO **A**  
SERVO CIRCUIT (CN702)  
ON SCHEMATIC DIAGRAM-2



# SCHEMATIC DIAGRAM - 8

## C MAIN CIRCUIT

- : +B SIGNAL LINE
- : -B SIGNAL LINE
- : VCD AUDIO SIGNAL LINE
- : VCD VIDEO SIGNAL LINE
- : CD-DA SIGNAL LINE



TO VIDEO MODULE CIRCUIT (CN1000)  
ON SCHEMATIC DIAGRAM-3

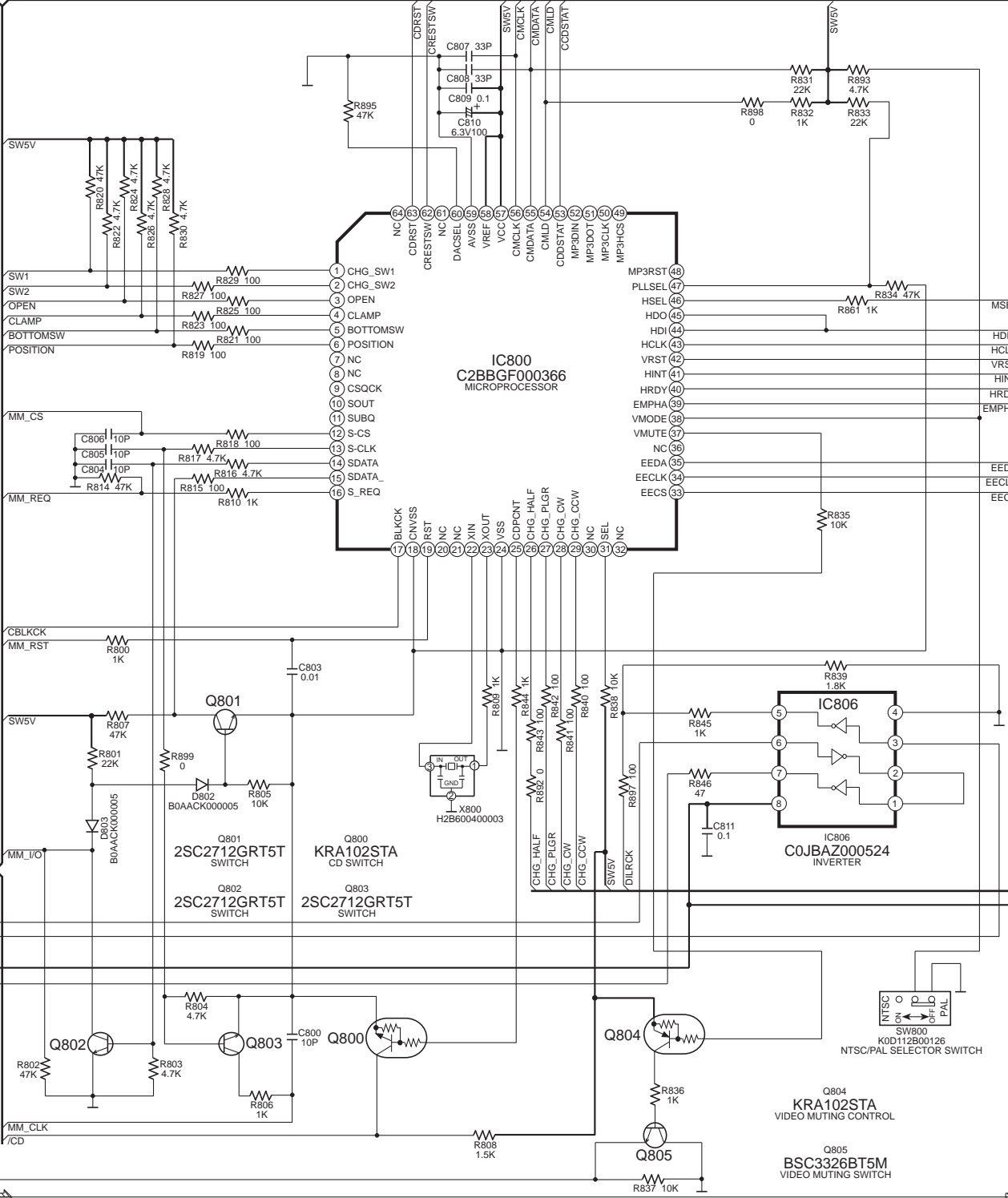
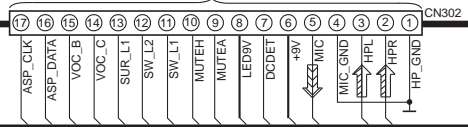
VIDEO OUT

# SCHEMATIC DIAGRAM - 9

## C MAIN CIRCUIT


— : +B SIGNAL LINE    ⇨ : MAIN SIGNAL LINE    ⇨⇨ : MIC SIGNAL LINE

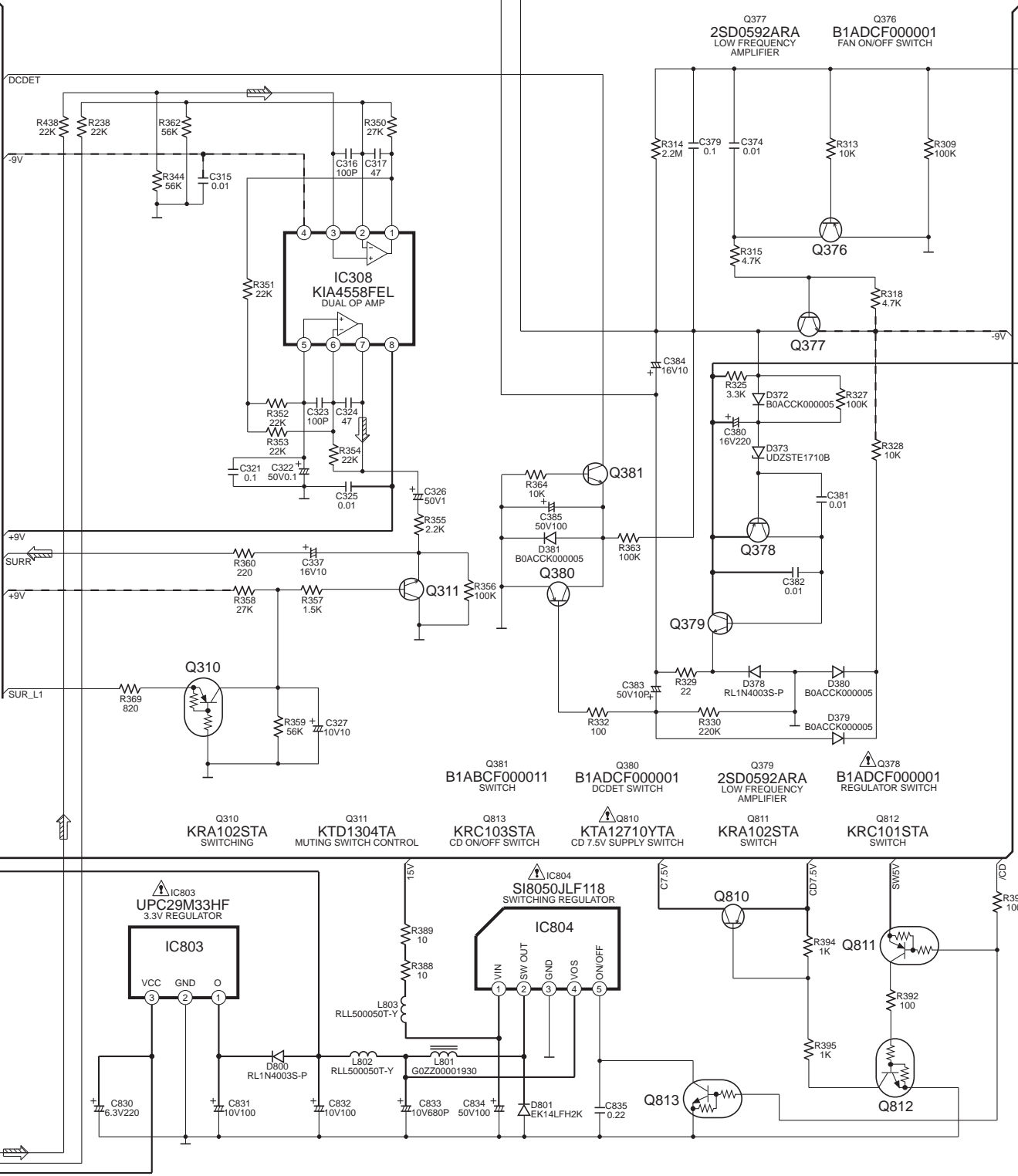
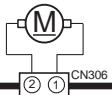
TO **D**  
PANEL CIRCUIT (CP600) ON  
SCHEMATIC DIAGRAM-14



# SCHEMATIC DIAGRAM - 10

**C** MAIN CIRCUIT

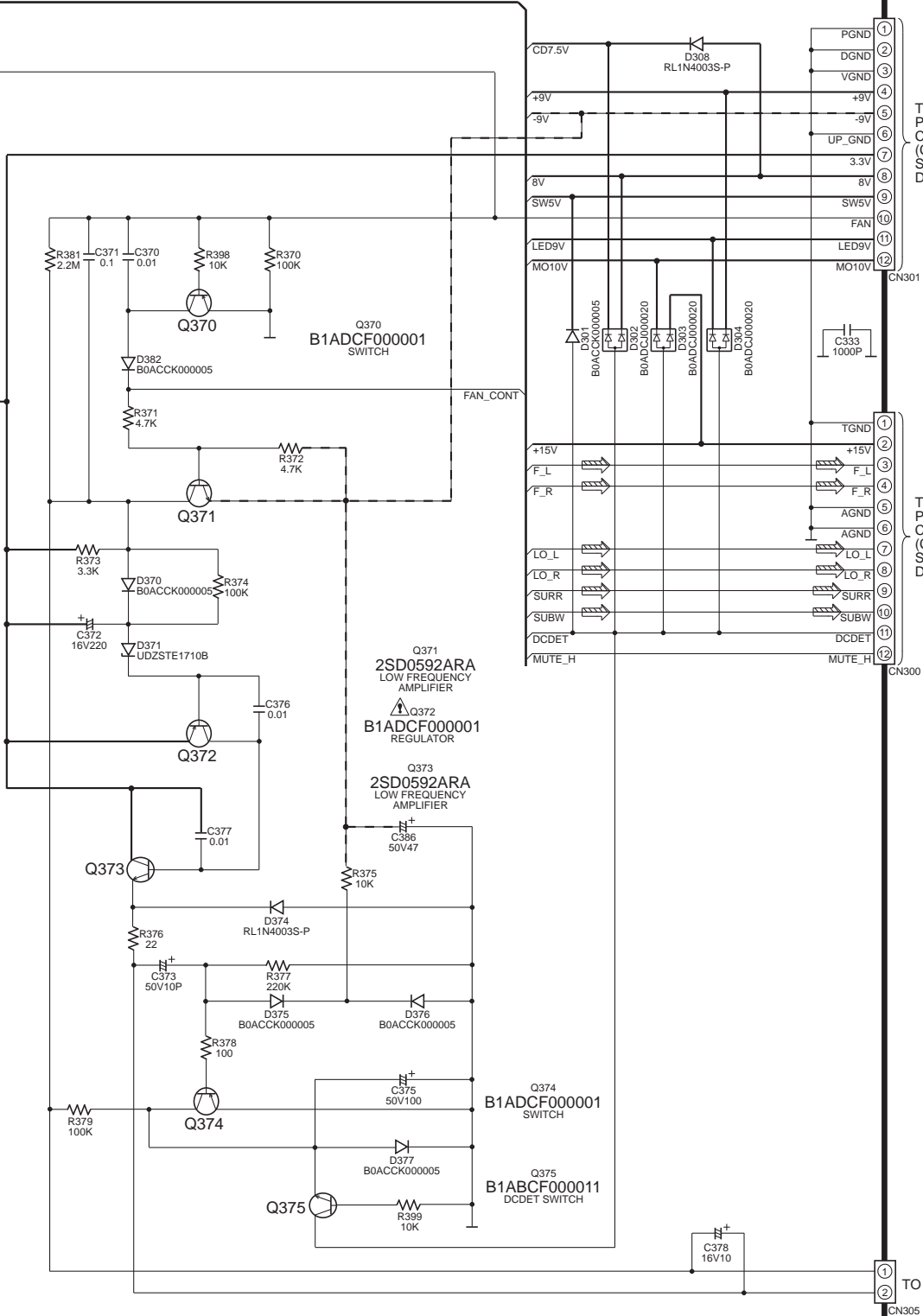
— : +B SIGNAL LINE    - - - : -B SIGNAL LINE  
 : MAIN SIGNAL LINE



# SCHEMATIC DIAGRAM - 11

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

## C MAIN CIRCUIT



TO POWER (1) CIRCUIT (CP501) ON SCHEMATIC DIAGRAM-17

TO POWER (1) CIRCUIT (CP500) ON SCHEMATIC DIAGRAM-17

TO FAN

**B VIDEO MODULE P.C.B**

VIDEO OUT

FM LOOP ANTENNA AM LOOP ANTENNA

LINE OUT /AUX2 SPEAKERS

**R TUNER PACK P.C.B**

**C MAIN/TUNER P.C.B**

**I POWER (1) P.C.B**

**P CD LOADING P.C.B**

**N CD DETECT P.C.B**

**O SPINDLE POSITION P.C.B**

**D PANEL P.C.B**

**E TACT SWITCH P.C.B**

**L AC TRANSFORMER P.C.B**

**K SPEAKER TERMINAL P.C.B**

**Q VOLTAGE SELECTOR P.C.B**

**J POWER (2) P.C.B**

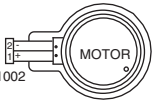
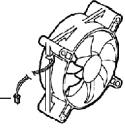
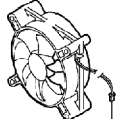
**M SUB-TRANSFORMER P.C.B**

**G MECHANISM (DECK 1) PCB**

**H MECHANISM (DECK 2) PCB**

**F DECK P.C.B**

**A CD SERVO P.C.B (SIDE: A)**



SOLDER SIDE

(SIDE B)

(SIDE B)

ROSNES

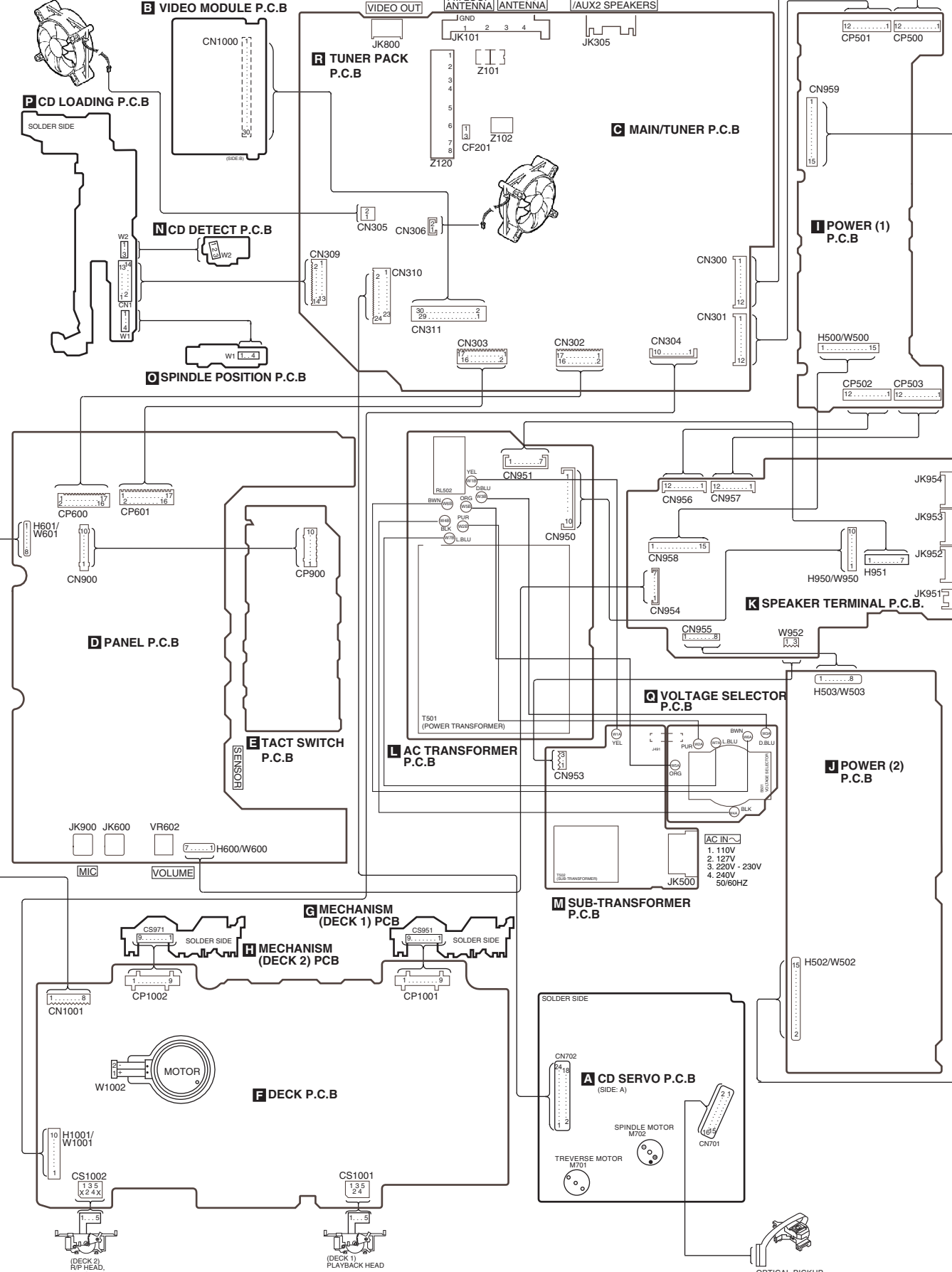
SOLDER SIDE

(SIDE: A)

(DECK 2) R/P HEAD ERASE HEAD

(DECK 1) PLAYBACK HEAD

OPTICAL PICKUP



# 14.1 IC701 (AN8885SBE1) Servo Amplifier

[TOP](#) [PREVIOUS](#) [NEXT](#)

Pin No.	Mark	I/O	Function
1	PDE	I	Tracking signal input 1
2	PDF	I	Tracking signal input 2
3	VCC	I	Power supply
4	PDA	I	Focus signal input terminal 1
5	PDB	I	Focus signal input terminal 2
6	LPD	I	APC amp input
7	LD	O	APC amp output
8	RF	O	RFsumming output
9	RFIN	I	Detector's input
10	CSBRT	I	Capacitor for OFTR connection
11	CEA	I	Capacitor for HPF amp connection
12	BDO	O	BDO output ("H" : drop out)
13	LDON	I	APC control
14	GND	-	Ground
15	/RFDET	O	NRFDET output ("L" : detection)
16	PDOWN	O	Power-down input
17	OFTR	O	OFTR output
18	DEFLVL	O	Ground
19	ENV	O	3T-ENV output
20	GCTL	I	Focus drive input
21	EQSQ	I	Ground
22	TEN	I	TE amp input
23	TEOUT	O	TE amp output
24	FEOUT	O	FE amp output
25	FEN	I	FE amp input
26	VREF	O	Reference voltage output
27	TBAL	I	Tracking balance control
28	FBAL	I	Focus balance control

[TOP](#) [PREVIOUS](#) [NEXT](#)

# 14.2 IC702 (MN6627911AC) Servo processor/ Digital signal processor/ Digital filter/ D/A converter

[TOP](#) [PREVIOUS](#) [NEXT](#)

Pin No.	Mark	I/O	Function
1	DRVDD	I	Power supply for DRAM interface (Pin 2 to 19 and 80)
2	D0	I/O	DRAM data I/O signal 0
3	D1	I/O	DRAM data I/O signal 1
4	NWE	O	DRAM write enable signal
5	NRAS	O	DRAM RAS control signal
6	D2	I/O	DRAM data I/O signal 2
7	D3	I/O	DRAM data I/O signal 3
8	NCAS0	O	DRAM CAS control signal 0
9	A10	O	DRAM CAS control signal 10
10	A8	O	DRAM address signal 8
11	A7	O	DRAM address signal 7
12	A6	O	DRAM address signal 6
13	A5	O	DRAM address signal 5
14	A4	O	DRAM address signal 4
15	A9	O	DRAM address signal 9
16	A0	O	DRAM address signal 0
17	A1	O	DRAM address signal 1
18	A2	O	DRAM address signal 2
19	A3	O	DRAM address signal 3
20	DVSS2	I	Ground for digital circuits
21	DVDD2	I	Power supply for digital circuits
22	SPOUT	O	Spindle motor drive signal output (absolute value output)
23	TRVP	O	Traverse drive output (positive polarity output)
24	TRVM	O	Traverse drive output (negative polarity output)
25	TRP	O	Tracking drive output (positive polarity output)
26	TRM	O	Tracking drive output (negative polarity output)



27	FOP	O	Focus drive output (positive polarity output)
28	FOM	O	Focus drive output (negative polarity output)
29	IOVDD1	I	Power supply for I/O
30	TBAL	O	Tracking balance adjustment output
31	FBAL	O	Focus balance adjustment output
32	FE	I	Focus error signal input (analog input)
33	TE	I	Tracking error signal input (analog input)
34	RFENV	I	RF envelope signal input (analog input)
35	OFT	I	Off-track signal input High : Off track)
36	NRFDET	I	RF detection signal input Low :detection)
37	BDO	I	Dropout signal input High: Dropout
38	LDON	O	Laser ON signal output High: ON
39	ARF	I	RF signal input
40	IREF	I	Reference current input
41	ADPVCC	I	Voltage input for supply voltage monitor (analog input)
42	DSLIF	O	DSL loop filter
43	RFSW	I	DSL loop filter
44	PLLIF	O	PLL loop filter
45	PLLFO	O	PLL loop filter
46	AVDD2	I	Power supply for analog circuits (for DSL, PLL and A/D)
47	AVSS2	I	Ground for analog circuits (for DSL, PLL and A/D)
48	OUTL	O	L-ch audio output
49	AVSS1	I	Ground for analog circuits (for audio output stage)
50	OUTR	O	R-ch audio output
51	AVDD1	I	Power supply for analog circuits (for audio output stage)
52	DVSS3	I	Ground for digital circuits
53	DVDD3	I	Power supply for digital circuit
54	TMOD2	I	Test input pin Low: Normal
55	FLAG	O	Flag signal output
56	EXT2	I/O	Expansion I/O port 2
57	EXT0	I/O	Expansion I/O port 0
58	EXT1	I/O	Expansion I/O port 1
59	IOVDD2	I	Power supply for I/O
60	TX	O	Digital audio interface output signal
61	MCLK	I	Microcontroller command clock signal input (Latches data at the rising adge)
62	MDATA	I	Microcontroller command data signal input
63			

	MLD	I	Microcontroller command load signal input Low: Load
64	BLKCK	O	Subcode block clock signal (f=75 Hz in normal-speed playback mode)
65	PWMSEL	I	PWM output mode selection input Low: Direct High: 3-state
66	SMCK	O	4.2336 MHz/ 8.4672 MHz clock signal output
67	SBCK	I	Clock input for subcode serial output
68	STAT	O	Status signal output
69	NRST	I	Reset input Low: Reset
70	SPPOL	O	Spindle motor drive signal output (polarity output)
71	PMCK	O	88.2-kHz clock signal output
72	DQSY	O	Pack signal output for CD-TEXT data
73	TXTD	O	CD-TEXT data signal output
74	TXTCK	O	External clock signal input for CD-TEXT register
75	NTEST	I	Test input pin High: Normal
76	OUT X2	O	Crystal oscillator circuit output pin (f=16.9355 MHz, 33.8688 MHz)
77	IN X1	I	Crystal oscillator circuit input pin (f=16.9344 MHz, 33.8688 MHz)
78	DVSS1	I	Ground for digital circuits
79	DVDD1	I	Power supply for digital circuits
80	MON	O	Monitor for evaluation

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# 14.3 IC703 (AN8739SBTE2) Focus coil/ Tracking coil/ Traverse motor/ Spindle motor driver

[TOP](#) [PREVIOUS](#) [NEXT](#)

Pin No.	Mark	I/O	Function
1	/RST	-	RESET output terminal
2	NC	-	N.C.
3	IN2	I	Motor Drive (2) input
4	PC2	I	Turntable motor drive signal ("L :ON)
5	NC	-	N.C.
6	IN1	I	Motor driver (1) input
7	NC	I	N.C.
8	PVCC1	I	Power supply (1) for driver
9	PGND1	-	Ground connection (1) for driver
10	NC	-	N.C.
11	D1-	O	Motor driver (1) reverse-action output
12	D1+	O	Motor driver (1) forward-action output
13	D2-	O	Motor driver (2) reverse-action output
14	D2+	O	Motor driver (2) forward-action output
15	D3-	O	Motor driver (3) reverse-action output
16	D3+	O	Motor driver (3) forward-action output
17	D4-	O	Motor driver (4) reverse-action output
18	D4+	O	Motor driver (4) forward-action output
19	NC	-	N.C.
20	PGND2	-	Ground connection (2) for driver

21	PVCC2	I	Power supply (2) for driver
22	NC	-	N.C.
23	VCC	I	Power supply terminal
24	VREF	I	Reference voltage input
25	IN4	I	Motor driver (4) input
26	IN3	I	Motor driver (3) input
27	RSTIN	I	Reset terminal
28	NC	-	N.C.

[TOP](#) [PREVIOUS](#) [NEXT](#)

# 14.4 IC600 (C2BBGF000384) System

## Microprocessor

[TOP](#) [PREVIOUS](#) [NEXT](#)

Pin No.	Mark	I/O	Function
1	DECK2	I	(RECI_F/MODE2/RECI_R/HALF2)
2	KEY3	I	Key 3 input
3	KEY2	I	Key 2 input
4	KEY1	I	Key 1 input
5	SER5	O	EE_CLK/EX1_CLK
6	SER4	O	MK_CLK
7	SER3	O	EE_DAT/EX1_DAT
8	SER2	O	ASP_CLK
9	SER1	O	ASP_DAT/MK_DAT
10	LM_L	I	Level meter left
11	LM_R	I	Level meter right
12	ST/DO/SQCK	I	Tuner IF data/stereo input
13	SD	I	Tuner signal detect input
14	EE_CS	O	EEPROM Chip select
15	N.C.	O	No Connection
16	N.C.	O	No Connection
17	CNVSS	-	Flash mode terminal (connected to ground)
18	/RESET	-	RESET input
19	XCOUT	-	32.768 kHz sub clock
20	XCIN	-	32.768 kHz sub clock
21	VSS	-	Ground (0V)
22	XIN	-	4.19 MHz main clock
23	XOUT	-	4.19 MHz main clock
24	VCC	-	Power supply (+5V)
25	MBP1	O	Microcomputer beat proof output 1
26	MBP2	O	Microcomputer beat proof output 2
27	PLLCK	O	Tuner PLL clock output
28	PLLDATA	O	Tuner PLL data output

29	RMT	I	Remote control input
30	MM_RST	O	Mechacon Reset Control
31	PLLCE	O	Tuner PLL chip enable
32	SYNC	I	AC failure detect input
33	DCDET	I	DC detect input
34	V_JOG_A	I	Volume Jog Detection A
35	V_JOG_B	I	Volume Jog Detection B
36	N.C.	O	No Connection
37	PCONT	O	Main Transformer Control Output
38	SU_L1	O	Surround level 1
39	SU_L2	O	Surround level2
40	SW_L1	O	Sub Woofer level 1
41	SW_L2	O	Sub Woofer level 2
42	VOC_B	O	Karaoke Control B
43	VOC_C	O	Karaoke Control C
44-80	SEG38 - SEG2	O	Segment drive output (Anode drive output)
78-80	SEG4/REG11 - SEG2/REG9	O	Segment drive output (Anode drive output)
81	REG8/SEG1	O	Segment drive output. Regional/Function setting use
82-88	REG7/GRID7- REG1/GRID1	O	Digit Drive Output (Grid Drive Output). For regional setting/ function selection use
89	VEE	-	Power supply (-30V)
90	MM_DIN	I	Serial data from mechacon (input)
91	MM_DOUT	O	Serail data to mechcon (output)
92	MM_CLK	I	Serial clock from mechacon
93	MM_REQ	O	Opecon request to mechacon
94	MM_CS	I	Mechacon chip select to opecon
95	REG_IN	I	Region and function setting input
96	ECHO_LVL	O	Echo level control(D/A Output)
97	AVSS	-	Analog ground (0V)
98	VREF	-	Reference for A-D
99	TPS	I	TPS/Chrome1/Chrome2
100	DECK1	I	(Half1/Mode/Photo1/Photo 2)

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# 16 Schematic Diagram

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

Note:

- [S501](#)

: Voltage Selector switch

- [S600](#)

: Power switch

- [S601](#)

: Display switch

- [S602](#)

: CD Open / Close switch

- [S603](#)

: Disc 1 switch

- [S604](#)

: Disc 2 switch

- [S605](#)

: Disc 3 switch

- [S606](#)

: Disc 4 switch

- S607  
: Disc 5 switch
- S610  
: Deck 2 switch
- S611  
: Deck 1 switch
- S701  
: Reset switch
- S910  
: Tape switch
- S911  
: CD Play switch
- S912  
: AUX switch
- S913  
: Tuner switch
- S914  
: S. S. EQ switch
- S920  
: FF switch



- S921

: Stop / Demo switch

- S922

: REW switch

- S923

: Deck 1/2 switch

- S924

: Rec switch

- S925

: Preset EQ switch

- S926

: Subwoofer switch

- S951

: Mode switch

- S952

: Half switch

- S953

: CR02 switch

- S971

: Mode switch

- [S972](#)

: Half switch

- [S973](#)

: CR02 switch

- [S974](#)

: Recinh\_r switch


- [S975](#)

: Recinh\_f switch

- 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 waveforms depending 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. When replacing 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.

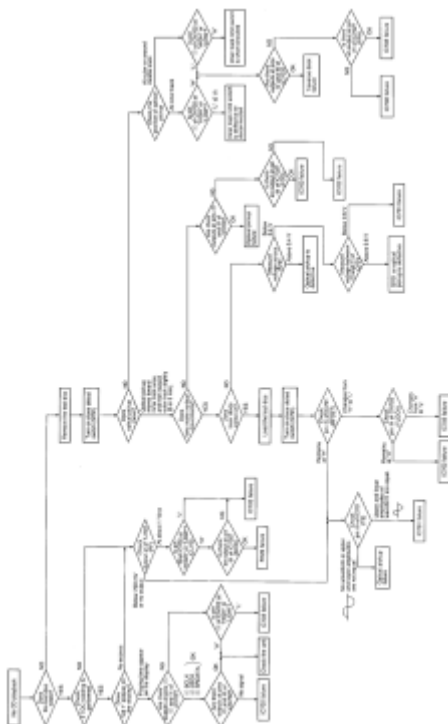
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.



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# 19 Troubleshooting Guide

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# 20 Parts Location and Replacement Parts List

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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 manufacturer's specified parts shown in the parts list.

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

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 Hersteller spezifizierte Einheit ausgetauscht werden.
- Capacitor values are in microfarads ( $\mu\text{F}$ ) unless specified otherwise, P= Pico-farads (pF), F= Farads.
- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).
- The marking (RTL) indicates that the Retention Time is limited for this items. 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 a availability is dependent on the type of assembly, and in accordance with the laws governing 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 supplied by [MESA](#).
- The “(SF)” mark denotes the standard part.
- Reference for O/I book languages are as follows:

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

## [20.1 Deck Mechanism \(RAA3411-S\)](#)

### [20.1.1 Deck Mechanism Parts Location](#)

### [20.1.2 Deck Mechanism Parts List](#)

## [20.2 CD Loading Mechanism \(RD-DAC026-S\)](#)

### [20.2.1 CD Loading Mechanism Parts Location](#)

### [20.2.2 CD Loading Mechanism Parts List](#)

## [20.3 Cabinet](#)

### [20.3.1 Cabinet Parts Location](#)

### [20.3.2 Cabinet Parts List](#)

## [20.4 Electrical Parts List](#)

## [20.5 Packing Materials& Accessories Parts List](#)

## [20.6 Packaging](#)

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# 20.1 Deck Mechanism (RAA3411-S)

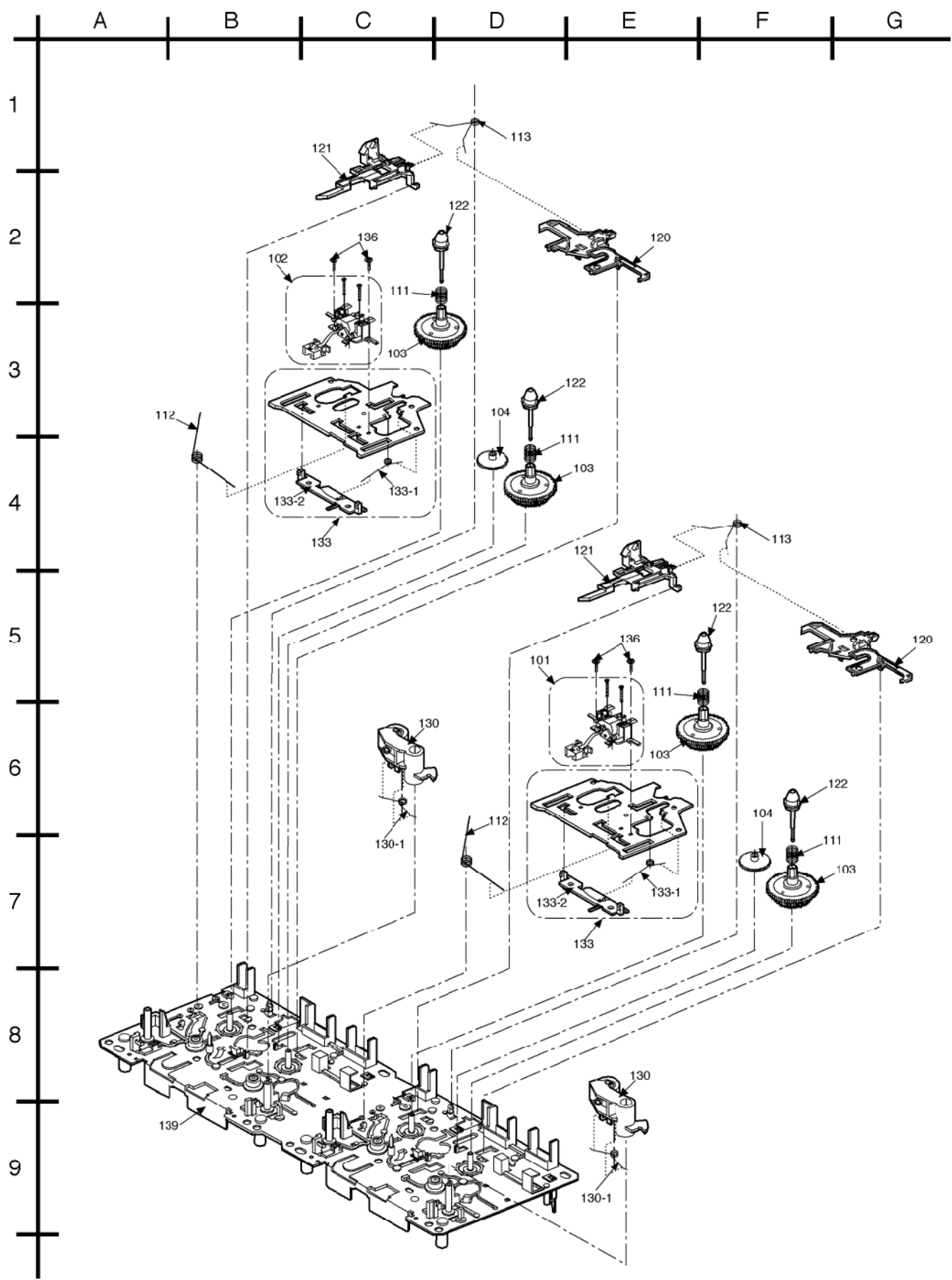
[TOP](#) [PREVIOUS](#) [NEXT](#)

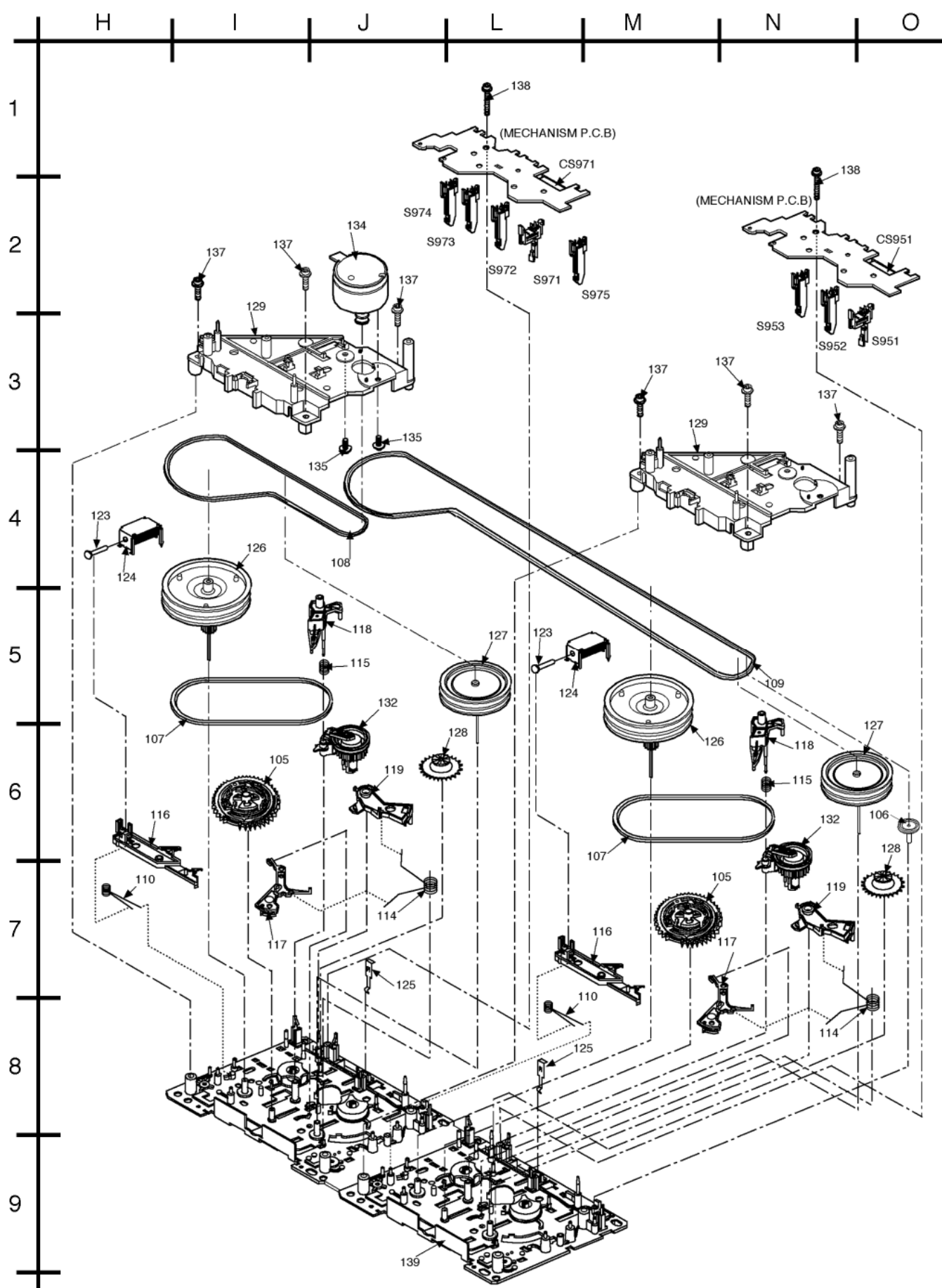
[20.1.1 Deck Mechanism Parts Location](#)

[20.1.2 Deck Mechanism Parts List](#)

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## 20.1.2 Deck Mechanism Parts List

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Ref. No.	Part No.	Part Name & Description	Remarks
		CASSETTE DECK	
<a href="#">101</a>	RED0071	R/P HEAD BLOCK UNIT	[M]
<a href="#">102</a>	RED0072	P/B HEAD BLOCK UNIT	[M]
<a href="#">103</a>	RDG0300	REEL BASE GEAR	[M]
<a href="#">104</a>	RDG0301	WINDING RELAY GEAR	[M]
<a href="#">105</a>	RDK0026	MAIN GEAR	[M]
<a href="#">106</a>	RDR0029-3	RELAY PULLEY	[M]
<a href="#">107</a>	RDV0033-4	WINDING BELT	[M]
<a href="#">108</a>	RDV0034-1	CAPSTAN BELT A	[M]
<a href="#">109</a>	RDV0057	MAIN BELT B	[M]
<a href="#">110</a>	RMB0312	TRIGGER LEVER SPRING	[M]
<a href="#">111</a>	RMB0400	REEL SPRING	[M]
<a href="#">112</a>	RMB0403	HEAB PANEL SPRING	[M]
<a href="#">113</a>	RMB0404	BRAKE ROD SPRING	[M]
<a href="#">114</a>	RMB0406	FR LEVER SPRING	[M]
<a href="#">115</a>	RMB0408	THRUST SPRING	[M]
<a href="#">116</a>	RML0370	TRIGGER LEVER	[M]
<a href="#">117</a>	RML0371	FR LEVER	[M]
<a href="#">118</a>	RML0372	WINDING LEVER	[M]
<a href="#">119</a>	RML0374	EJECT LEVER	[M]
<a href="#">120</a>	RMM0131	BRAKE ROD	[M]
<a href="#">121</a>	RMM0133-1	EJECT ROD	[M]
<a href="#">122</a>	RMQ0519	REEL HUB	[M]
<a href="#">123</a>	RMS0398-1	MOVING CORE	[M]
<a href="#">124</a>	RSJ0003	PLUNGER ASS'Y	[M]
<a href="#">125</a>	RMC0061	PACK SPRING	[M]
<a href="#">126</a>	RXF0049	FLYWHEEL F ASS'Y	[M]
<a href="#">127</a>	RXF0050	FLYWHEEL R ASS'Y	[M]
<a href="#">128</a>	RXG0040	FF RELAY GEAR ASS'Y	[M]
<a href="#">129</a>	RMK0283A-J	SUB-CHASSIS	[M]

<a href="#">130</a>	RXL0124	PINCH ROLLER F ASS'Y	[M]
<a href="#">130-1</a>	RMB0401	PINCH ARM SPRING F	[M]
<a href="#">132</a>	RXL0126	WINDING ARM ASS'Y	[M]
<a href="#">133</a>	RXQ0412	HEAD PANEL ASS'Y	[M]
<a href="#">133-1</a>	RMB0405	FR ROD SPRING	[M]
<a href="#">133-2</a>	RMM0132	FR ROD	[M]
<a href="#">134</a>	REM0088	CAP MOTOR ASS'Y	[M]
<a href="#">135</a>	RHD26022	MOTOR SCREW	[M]
<a href="#">136</a>	XTW2+5L	HEAD BLOCK UNIT SCRE	[M]
<a href="#">137</a>	XTW26+10S	SUB-CHASSIS SCREW	[M]
<a href="#">138</a>	XYC2+JF17	PCB EARTH SCREW	[M]
<a href="#">139</a>	RFKJXED70-K	MAIN CHASSIS	[M]

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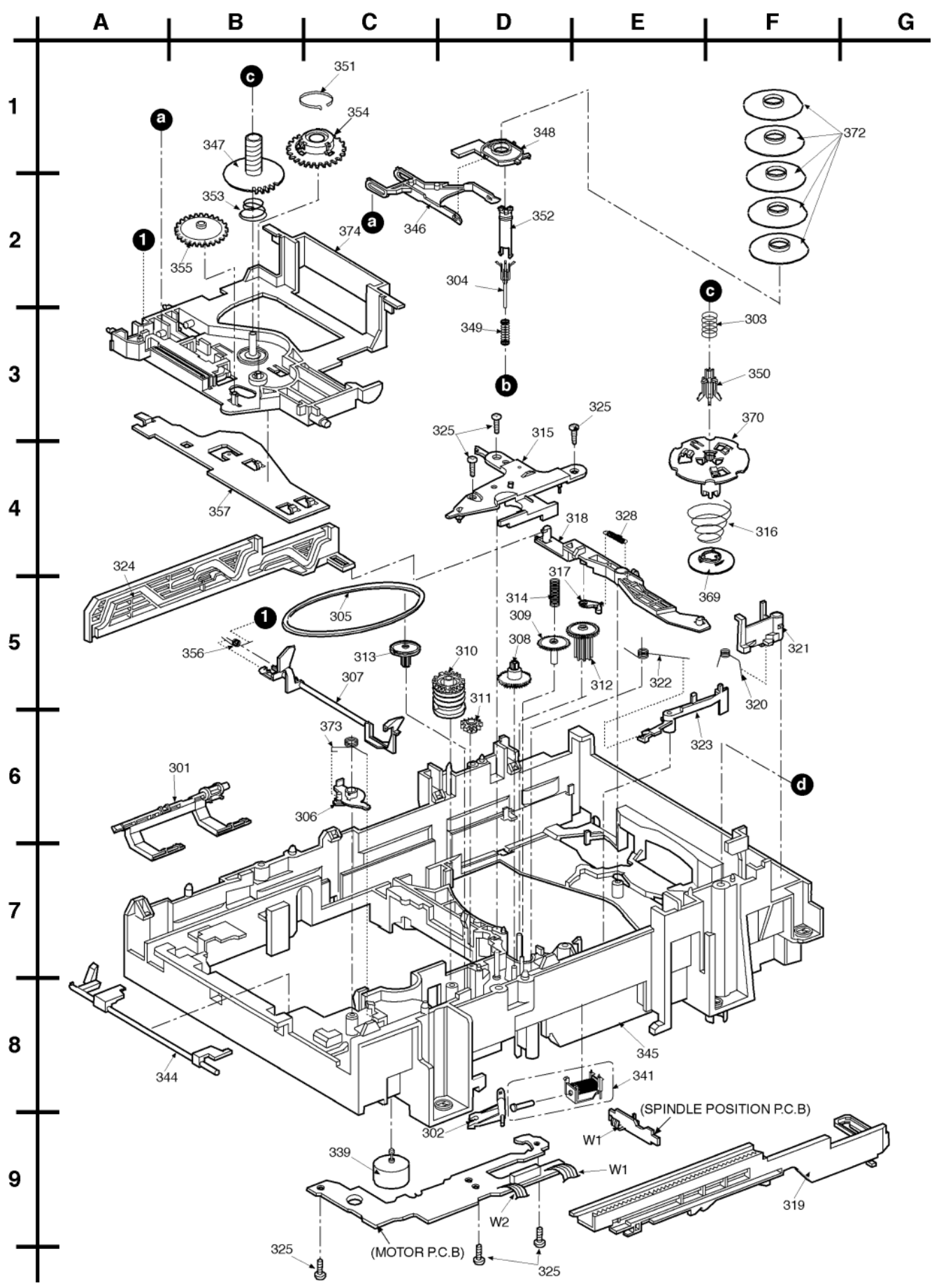
## 20.2 CD Loading Mechanism (RD-DAC026-S)

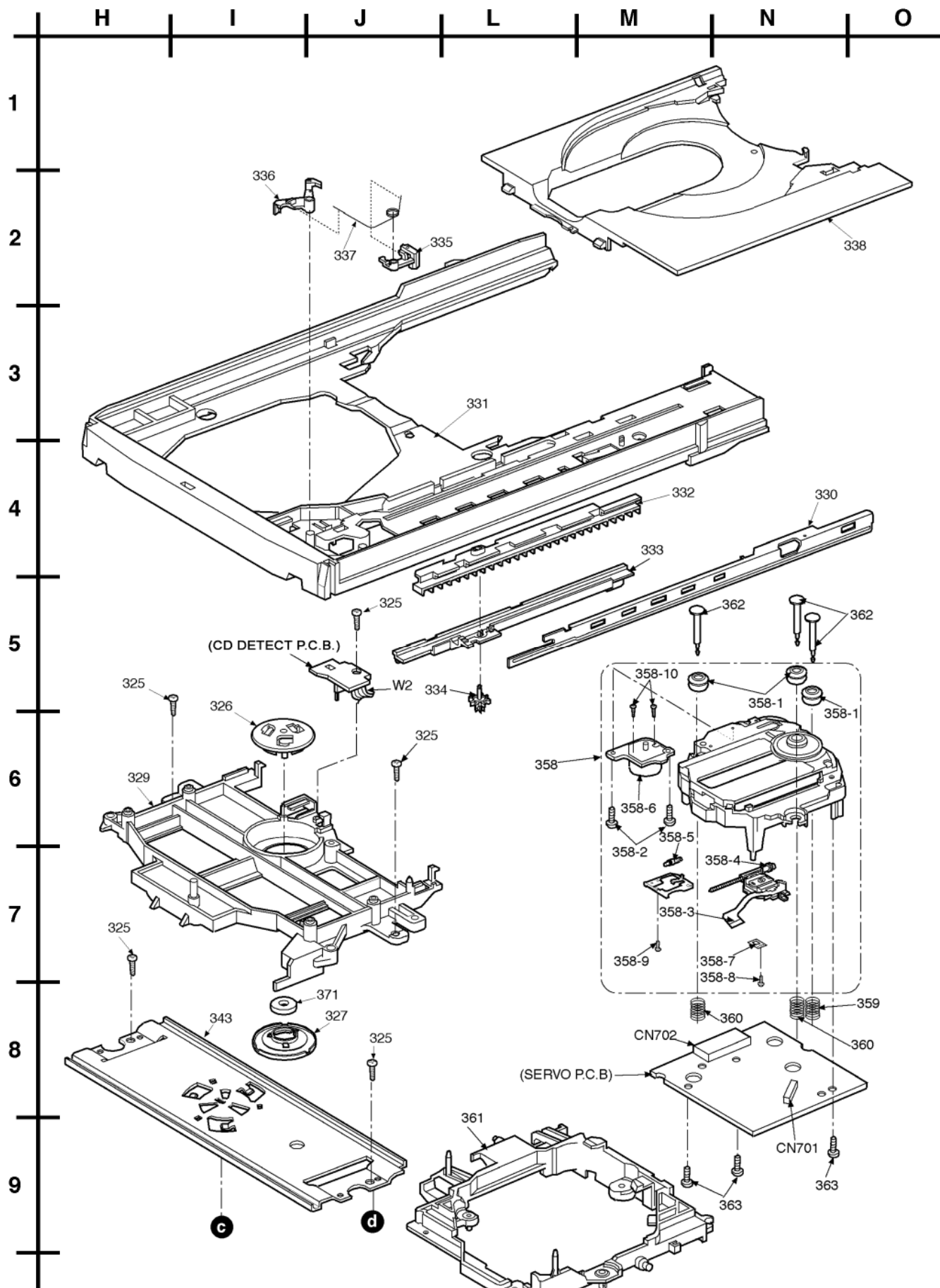
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[20.2.1 CD Loading Mechanism Parts Location](#)

[20.2.2 CD Loading Mechanism Parts List](#)

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## 20.2.2 CD Loading Mechanism Parts List

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Ref. No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK	
<a href="#">301</a>	RML0517	TIMING LEVER	[M]
<a href="#">302</a>	RML0516	PLUNGER LEVER	[M]
<a href="#">303</a>	RMB0551	UPPER SPINDLE SPRING	[M]
<a href="#">304</a>	RMQ0744	LOWER HOOK	[M]
<a href="#">305</a>	RDV0056	BELT	[M]
<a href="#">306</a>	RML0525	FRONT LOCK LEVER	[M]
<a href="#">307</a>	RML0526	DISC LEVER	[M]
<a href="#">308</a>	RDG0424	DRIVE GEAR	[M]
<a href="#">309</a>	RDG0425	CHANGE GEAR	[M]
<a href="#">310</a>	RDG0427	TRAVERSE CAM GEAR	[M]
<a href="#">311</a>	RDG0428	TRAVERSE RELAY GEAR	[M]
<a href="#">312</a>	RDG0426	UP/DOWN GEAR	[M]
<a href="#">313</a>	RDG0429	PULLEY GEAR	[M]
<a href="#">314</a>	RMB0549-1	CHANGE GEAR SPRING	[M]
<a href="#">315</a>	RMQ0748	PITCH PLATE	[M]
<a href="#">316</a>	RMB0553	PUSH SPRING	[M]
<a href="#">317</a>	RML0530	ASSIST LEVER	[M]
<a href="#">318</a>	RML0518	CONNECTION LEVER	[M]
<a href="#">319</a>	RMM0201	SLIDE PLATE 1	[M]
<a href="#">320</a>	RME0258	REAR LOCK SPRING	[M]
<a href="#">321</a>	RML0521	REAR LOCK	[M]
<a href="#">322</a>	RME0257	TRAY LOCK LEVER SPRING	[M]
<a href="#">323</a>	RML0520	TRAY LOCK	[M]
<a href="#">324</a>	RMM0202	SLIDE PLATE 2	[M]
<a href="#">325</a>	XTB3+10J	SCREW	[M]
<a href="#">326</a>	RMR0334	FIXED PLATE	[M]
<a href="#">327</a>	RMR0624-W2	CLAMPER	[M]
<a href="#">328</a>	RMB0561	ASSIST LEVER SPRING	[M]
<a href="#">329</a>	RMR1121-K	MECHA COVER	[M]

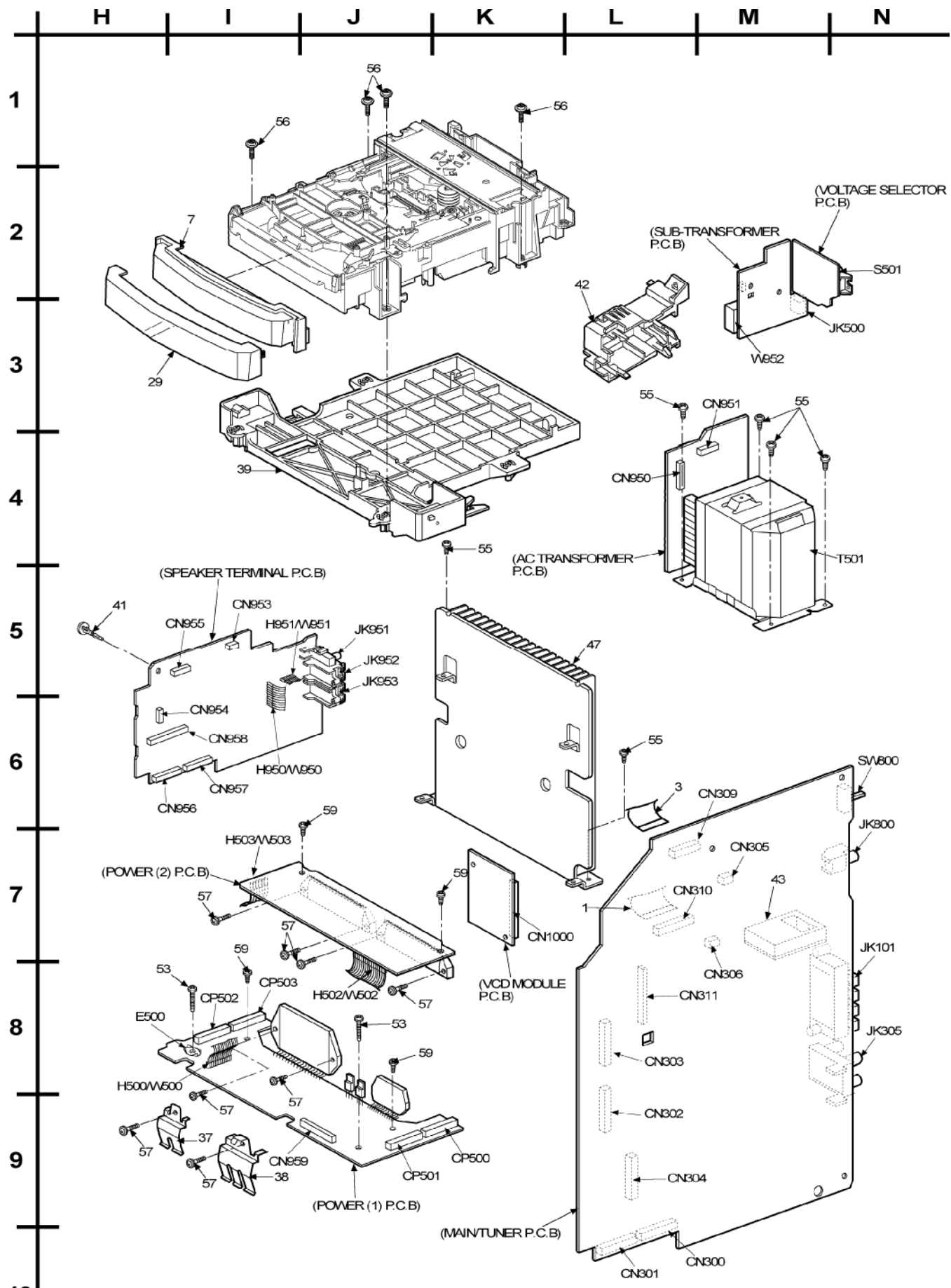


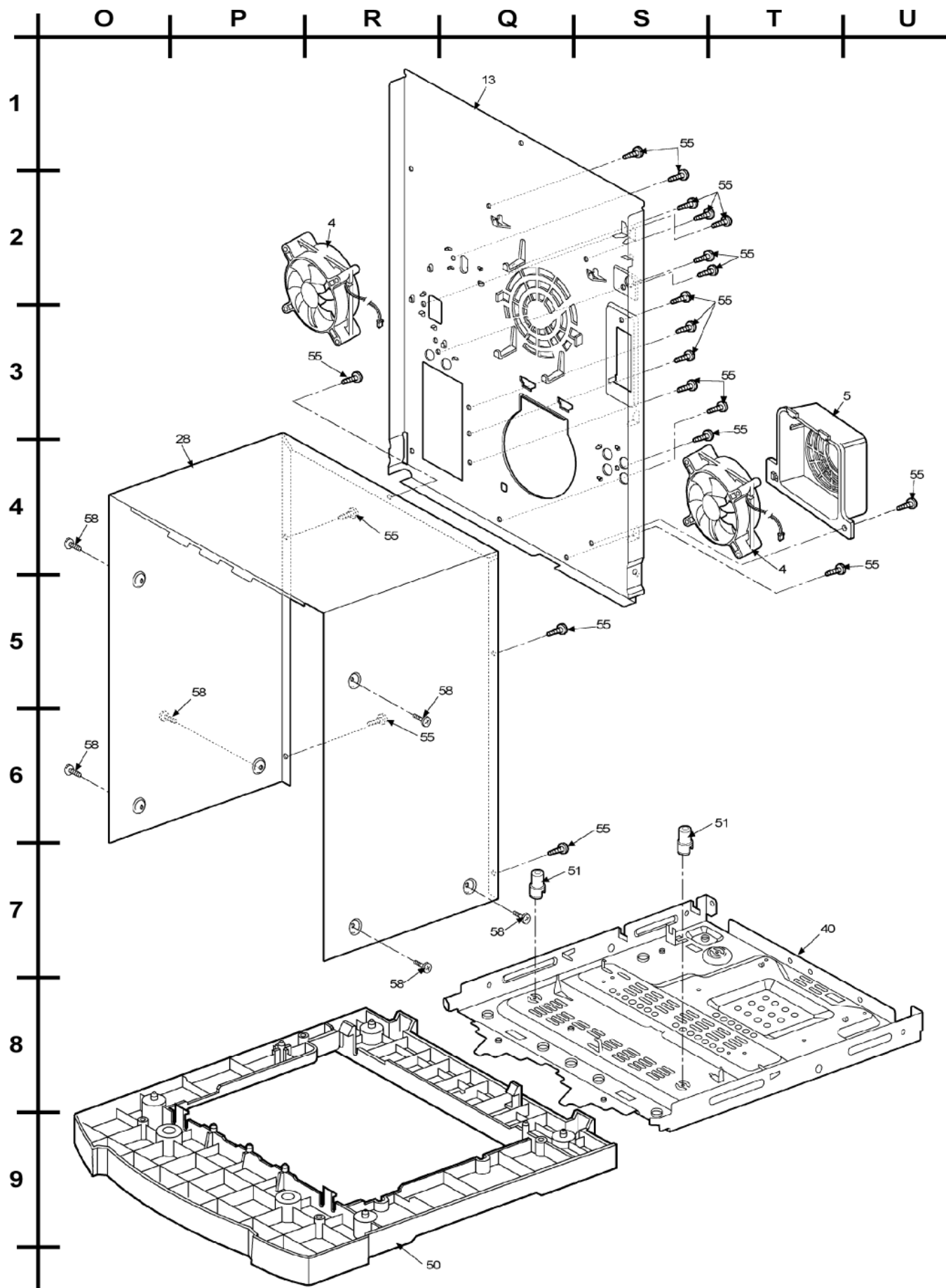
<a href="#"><u>330</u></a>	RMA1110-2	TRAY ANGLE	[M]
<a href="#"><u>331</u></a>	RMR1122-H1	TRAY BASE	[M]
<a href="#"><u>332</u></a>	RMM0204	CARRIER	[M]
<a href="#"><u>333</u></a>	RMM0203	DRIVE RACK	[M]
<a href="#"><u>334</u></a>	RDG0432	SPEED UP GEAR	[M]
<a href="#"><u>335</u></a>	RML0524	SLIDE LOCK	[M]
<a href="#"><u>336</u></a>	RML0523	CARRIER LOCK	[M]
<a href="#"><u>337</u></a>	RME0260-1	SLIDE LOCK SPRING	[M]
<a href="#"><u>338</u></a>	RMR1123-H	TRAY	[M]
<a href="#"><u>339</u></a>	RXQ0595	MOTOR SUB ASS'Y	[M]
<a href="#"><u>341</u></a>	RSJ0003	SOLENOID ASS'Y	[M]
<a href="#"><u>343</u></a>	RMA1106	UPPER PLATE	[M]
<a href="#"><u>344</u></a>	RML0519	8CD LEVER	[M]
<a href="#"><u>345</u></a>	RFKNAAK27GCS	MECHA BASE ASS'Y	[M]
<a href="#"><u>346</u></a>	RML0522	TURNING STOPPER	[M]
<a href="#"><u>347</u></a>	RMQ0745	LOWER SPINDLE	[M]
<a href="#"><u>348</u></a>	RMQ0746	UP/DOWN BASE	[M]
<a href="#"><u>349</u></a>	RMB0550	LOWER SPINDLE SPRING	[M]
<a href="#"><u>350</u></a>	RMQ0747	UPPER HOOK	[M]
<a href="#"><u>351</u></a>	RME0263	CLICK SPRING	[M]
<a href="#"><u>352</u></a>	RMQ0743	SPINDLE SHAFT	[M]
<a href="#"><u>353</u></a>	RMB0552	CUSHION SPRING	[M]
<a href="#"><u>354</u></a>	RDG0430	RELAY GEAR 'A'	[M]
<a href="#"><u>355</u></a>	RDG0431	RELAY GEAR 'B'	[M]
<a href="#"><u>356</u></a>	RME0262	DISK LEVER SP.	[M]
<a href="#"><u>357</u></a>	RMA1105	SUPPORT PLATE	[M]
<a href="#"><u>358</u></a>	RAE0152Z-3	TRAVERSE	[M]
<a href="#"><u>358-1</u></a>	SHGD113-1	FLOATING CUSHION	[M]
<a href="#"><u>358-2</u></a>	SNSD38	TRV MOTOR ASSY SCREW	[M]
<a href="#"><u>358-3</u></a>	RAF0150A-4S	OPU ASS'Y	[M]
<a href="#"><u>358-4</u></a>	RDG0247	DRIVE GEAR	[M]
<a href="#"><u>358-5</u></a>	RDG0248	RELAY GEAR	[M]
<a href="#"><u>358-6</u></a>	RXQ0339	TRAVERSE MOTOR ASSY	[M]
<a href="#"><u>358-7</u></a>	RXQ0304-1	NUT PLATE ASSY	[M]
<a href="#"><u>358-8</u></a>	XQN17+CG5	NUT PLATE ASSY SCREW	[M]
<a href="#"><u>358-9</u></a>	XQS2+A3FZ	SPINDLE MOTOR SCREW	[M]
<a href="#"><u>358-10</u></a>			

	XQS17+A35FZ	TRAVERSE MOTOR SCREW	[M]
<a href="#">359</a>	RME0142	FLOATING SPRING A	[M]
<a href="#">360</a>	RME0109	FLOATING SPRING B	[M]
<a href="#">361</a>	RMR1124A-K	TRAVERSE CHASSIS	[M]
<a href="#">362</a>	RMS0632	TRAVERSE PIN	[M]
<a href="#">363</a>	XTN2+6G	SCREW	[M]
<a href="#">369</a>	RMX0141	PUSH SPACER	[M]
<a href="#">370</a>	RMQ0749	UPPER SPINDLE	[M]
<a href="#">371</a>	RHM0001	MAGNET	[M]
<a href="#">372</a>	RMX0140	DISC SPACER	[M]
<a href="#">373</a>	RME0261	FRONT LOCK SPRING	[M]
<a href="#">374</a>	RMQ0742	SPINDLE BASE	[M]

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## 20.3.2 Cabinet Parts List

[TOP](#) [PREVIOUS](#) [NEXT](#)

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
<a href="#">1</a>	REEX0172	24P FFC WIRE	[M]
<a href="#">2</a>	REEX0180	17P FFC WIRE	[M]
<a href="#">3</a>	REEX0187	14P FFC WIRE	[M]
<a href="#">4</a>	REM0072-3	FAN	[M]
<a href="#">5</a>	L6FALEFH0018	FAN UNIT ASSY	[M]
<a href="#">6</a>	REXX0315	2P FLAT WIRE (PANEL	[M]
<a href="#">7</a>	RGKX0119-K1	CD LID	[M]
<a href="#">8</a>	RGKX0120-S1	VOLUME ORNAMENT	[M]
<a href="#">11</a>	RGLX0052-Q	POWER LIGHT CHIP	[M]
<a href="#">12</a>	RGPX0070B-K2	FRONT PANEL	[M]
<a href="#">13</a>	RGRX0022B-AA	REAR PANEL	[M]
<a href="#">14</a>	RGUX0442-S1	FUNCTION BUTTON	[M]
<a href="#">15</a>	RGUX0443-S	DECK BUTTON	[M]
<a href="#">16</a>	RGUX0446-K	POWER BUTTON	[M]
<a href="#">17</a>	RGUX0447-S	CONTROL BUTTON	[M]
<a href="#">18</a>	RGUX0448-K	DECK EJECT BUTTON L	[M]
<a href="#">19</a>	RGUX0449-K	DECK EJECT BUTTON R	[M]
<a href="#">20</a>	RGUX0450-K	DISC EJECT BUTTON	[M]
<a href="#">21</a>	RGUX0451-1S	DOSC BUTTON	[M]
<a href="#">22</a>	RGWX0056-K	MIC KNOB	[M]
<a href="#">23</a>	RGWX0064-2S	VOLUME KNOB	[M]
<a href="#">24</a>	RKFX0093-K	CASS. HOLDER (L)	[M]
<a href="#">25</a>	RKFX0094-K	CASS. HOLDER (R)	[M]
<a href="#">26</a>	RKFX0098-K	CASS LID (L)	[M]
<a href="#">27</a>	RKFX0099-K	CASS LID (R)	[M]
<a href="#">28</a>	RKMX0066B-K2	TOP CABINET	[M]
<a href="#">29</a>	RKWX0174-H	CD LID ORNAMENT	[M]
<a href="#">30</a>	RKWX0176-H1	FL ORNAMENT	[M]
<a href="#">31</a>	RKWX0177-H	CASS WINDOW (L)	[M]

<a href="#">32</a>	RKWX0178-H	CASS WINDOW (R)	[M]
<a href="#">33</a>	RKWX0183-H	REMOTE SENSOR WINDOW	[M]
<a href="#">34</a>	RKWX0186A-H	TOP ORNAMENT	[M]
<a href="#">35</a>	RMBX0021	CASS OPEN SPRING	[M]
<a href="#">37</a>	RMC0158-S	TR-FIXTURE	[M]
<a href="#">38</a>	RMCX0020	REGMATOR IC CLIP	[M]
<a href="#">39</a>	RMKX0054-1J	CD CHASSIS	[M]
<a href="#">40</a>	RMKX0062	BOTTOM CHASSIS	[M]
<a href="#">41</a>	RMNX0019	PCB SPACER	[M]
<a href="#">42</a>	RMNX0029C-A	SUB TRANS HOLDER	[M]
<a href="#">43</a>	RSC0027-2	TUNER PACK	[M]
<a href="#">44</a>	RXQX0010	DECK SHIELD PLATE U.	[M]
<a href="#">45</a>	RUS757ZAA	CASSETTE HALF SPRING	[M]
<a href="#">46</a>	RXGX0002	DAMPER GEAR	[M]
<a href="#">47</a>	RXXX0035	HEAT SINK UNIT	[M]
<a href="#">48</a>	RYQX0054-1	FL HOLDER UNIT	[M]
<a href="#">49</a>	RYQX0066A-K1	SS EQ BUTTON UNIT	[M]
<a href="#">50</a>	RYQX0068-K	BASE STAND UNIT	[M]
<a href="#">51</a>	SHE187-5J	PCB SUPPORT	[M]
<a href="#">52</a>	XTB3+10JFZ	SCREW	[M]
<a href="#">53</a>	XTB3+20J	SCREW	[M]
<a href="#">54</a>	XTBS26+10J	SCREW	[M]
<a href="#">55</a>	XTBS3+8JFZ1	SCREW	[M]
<a href="#">56</a>	XTW3+12T	SCREW	[M]
<a href="#">57</a>	XTW3+15T	SCREW	[M]
<a href="#">58</a>	RHD30004-K	SIDE SCREW	[M]
<a href="#">59</a>	XTB3+10J	SCREW	[M]

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## 20.4 Electrical Parts List




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Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REPX0295A	CD SERVO P.C.B. (SIDE: A)	[M](RTL)
	REPX0295A	CD SERVO P.C.B. (SIDE: B)	[M](RTL)
	RD-DVK029-SY	VIDEO MODULE P.C.B.	[M](RTL)
	REPX0309B	MAIN / TUNER P.C.B.	[M](RTL)
	REPX0308A	PANEL P.C.B.	[M](RTL)
	REPX0308A	TACT SWITCH P.C.B.	[M](RTL)
	REPX0310B	SPEAKER TERMINAL P.C.B.	[M](RTL)
	REPX0282B	DECK P.C.B.	[M](RTL)
	REPX0108	MECHANISM (DECK 1) P.C.B.	[M](RTL)
	REPX0108A	MECHANISM (DECK 2) P.C.B.	[M](RTL)
	REPX0310B	POWER (1) P.C.B.	[M](RTL)
	REPX0310B	POWER (2) P.C.B.	[M](RTL)
	REPX0311A	AC TRANSFORMER P.C.B.	[M](RTL)
	REPX0311A	SUB-TRANSFORMER P.C.B.	[M](RTL)
	REPX0311A	VOLTAGE SELECTOR 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	[M](RTL)
	REP1999B	TUNER PACK P.C.B.	[M](RTL)
		INTEGRATED CIRCUITS	
IC1	C0GAM0000005	IC DRIVE	[M]
IC101	LA1833NMNTLM	IC IF & MPX	[M]
IC102	LC72131MDTRM	IC PLL	[M]
IC300	C1BB00000731	IC ASP	[M]
IC301	BA3838FE2	IC VOICEMUTE	[M]
IC302	C0AABB000117	IC OP-AMP (HP AMP)	[M]
IC303	KIA4558FEL	IC DUAL OP-AMP	[M]



IC306	C0ABC000052	IC QUAL OP-AMP	[M]
IC308	KIA4558FEL	IC DUAL OP-AMP	[M]
IC500	RSN309W44B	IC HIC	[M] 
IC501	C5BA0000105	IC VOLTAGE REGULATOR	[M] 
IC502	RSN312H24-P	IC HIC	[M] 
IC600	C2BBGF000384	IC MICRO-P	[M]
IC601	C1BB00000574	IC I/O EXPANDER	[M]
IC701	AN8885SBE1	IC IC SERVO AMP	[M]
IC702	MN6627911AC1	SUPER 1 CHIP LSI	[M]
IC703	AN8739SBTE2	IC 4CH DRIVER	[M]
IC704	C3ABMB000027	IC 16M DRAM	[M]
IC705	C0CBAAC00112	IC 1.8V REGULATOR	[M] 
IC800	C2BBGF000383	IC MECHA CON	[M]
IC803	UPC29M33HF	IC 3.3V REGULATOR	[M] 
IC804	SI8050JLF118	IC SWITCHING REGULAR	[M] 
IC806	C0JBAZ000524	IC INVERTER	[M]
IC900	C1BB00000716	IC ECHO	[M]
IC951	CNB13030R2AU	IC PHOTO INTERRUPTER	[M]
IC971	CNB13030R2AU	IC PHOTO INTERRUPTER	[M]
IC1000	MN89103M2	IC MPEG LSI	[M]
IC1001	AN7348S-E1	IC TAPE PB	[M]
IC1001	C3DBNC000077	IC 2M MASK ROM	[M]
IC1002	C1BB00000574	IC I/O EXPANDER	[M]
IC1002	C3ABKG000089	IC 4M DRAM (5V)	[M]
IC1003	C0JBAZ000529	IC INVERTER	[M]
IC1004	C1AA00000612	IC R/P SELECT	[M]
IC1004	TC7W14FUTE1L	IC INVERTER	[M]
		TRANSISTORS	
Q1	2SK544F-AC	TRANSISTOR	[M]
Q1	B1GACFGG0004	TRANSISTOR	[M]
Q2	2SC2786MTA	TRANSISTOR	[M]
Q3	2SC2787FL1TA	TRANSISTOR	[M]
Q4	2SC2787FL1TA	TRANSISTOR	[M]
Q101	2SC2058SPTA	TRANSISTOR	[M]




Q106	KRA102MTA	TRANSISTOR	[M] 
Q201	KTC3875GRTA	TRANSISTOR	[M]
Q202	KTC3875GRTA	TRANSISTOR	[M]
Q203	KTD1304TA	TRANSISTOR	[M]
Q204	KTC3875GRTA	TRANSISTOR	[M]
Q205	KTA1504GRTA	TRANSISTOR	[M]
Q206	KTD1304TA	TRANSISTOR	[M]
Q207	KTD1304TA	TRANSISTOR	[M]
Q208	KTD1304TA	TRANSISTOR	[M]
Q209	KTD1304TA	TRANSISTOR	[M]
Q210	KTC3875GRTA	TRANSISTOR	[M]
Q211	KTD1304TA	TRANSISTOR	[M]
Q301	KRC102STA	TRANSISTOR	[M]
Q302	KTA12710YTA	TRANSISTOR	[M] 
Q307	KRA102STA	TRANSISTOR	[M]
Q308	KTC3875GRTA	TRANSISTOR	[M]
Q309	KRA102STA	TRANSISTOR	[M]
Q310	KRA102STA	TRANSISTOR	[M]
Q311	KTD1304TA	TRANSISTOR	[M]
Q313	KRA102STA	TRANSISTOR	[M]
Q314	KRA102STA	TRANSISTOR	[M]
Q320	B1AAKD000009	TRANSISTOR	[M] 
Q370	B1ADCF000001	TRANSISTOR	[M]
Q371	2SD0592ARA	TRANSISTOR	[M]
Q372	B1ADCF000001	TRANSISTOR	[M] 
Q373	2SD0592ARA	TRANSISTOR	[M]
Q374	B1ADCF000001	TRANSISTOR	[M]
Q375	B1ABCF000011	TRANSISTOR	[M]
Q376	B1ADCF000001	TRANSISTOR	[M]
Q377	2SD0592ARA	TRANSISTOR	[M]
Q378	B1ADCF000001	TRANSISTOR	[M] 
Q379	2SD0592ARA	TRANSISTOR	[M]
Q380	B1ADCF000001	TRANSISTOR	[M]
Q381	B1ABCF000011	TRANSISTOR	[M]
Q382	B1ADCF000001	TRANSISTOR	[M]
Q401	KTC3875GRTA	TRANSISTOR	[M]



Q402	KTC3875GRTA	TRANSISTOR	[M]
Q403	KTD1304TA	TRANSISTOR	[M]
Q404	KTC3875GRTA	TRANSISTOR	[M]
Q405	KTA1504GRTA	TRANSISTOR	[M]
Q406	KTD1304TA	TRANSISTOR	[M]
Q407	KTD1304TA	TRANSISTOR	[M]
Q408	KTD1304TA	TRANSISTOR	[M]
Q409	KTD1304TA	TRANSISTOR	[M]
Q410	KTC3875GRTA	TRANSISTOR	[M]
Q411	KTD1304TA	TRANSISTOR	[M]
Q520	KTC3199GRTA	TRANSISTOR	[M]
Q521	KTC3199GRTA	TRANSISTOR	[M]
Q522	B1AAGC000007	TRANSISTOR	[M]
Q540	KTA1046	TRANSISTOR	[M] 
Q541	2SD1859QRTV2	TRANSISTOR	[M] 
Q542	KTC2026	TRANSISTOR	[M]
Q543	KTA1267GRTA	TRANSISTOR	[M]
Q544	KTA1267GRTA	TRANSISTOR	[M]
Q545	B1ACCL000012	TRANSISTOR	[M]
Q546	B1ACCL000010	TRANSISTOR	[M]
Q547	KTC3199GRTA	TRANSISTOR	[M]
Q548	KTC3199GRTA	TRANSISTOR	[M]
Q549	KTC3199GRTA	TRANSISTOR	[M]
Q550	KRA102MTA	TRANSISTOR	[M]
Q600	KRC103MTA	TRANSISTOR	[M]
Q601	KRC102MTA	TRANSISTOR	[M]
Q602	KTA1267GRTA	TRANSISTOR	[M]
Q603	KTC3199GRTA	TRANSISTOR	[M]
Q604	KTC3199GRTA	TRANSISTOR	[M]
Q605	KRC102MTA	TRANSISTOR	[M]
Q606	KTC3199GRTA	TRANSISTOR	[M]
Q607	2SC1740SSTA	TRANSISTOR	[M]
Q610	KTA1267GRTA	TRANSISTOR	[M] 
Q612	KTC3199GRTA	TRANSISTOR	[M]
Q613	KRC102MTA	TRANSISTOR	[M]
Q614	KTC3199GRTA	TRANSISTOR	[M]

Q701	B1ADCF000001	TRANSISTOR	[M]
Q800	KRC102STA	TRANSISTOR	[M]
Q801	2SC2712GRT5T	TRANSISTOR	[M]
Q802	2SC2712GRT5T	TRANSISTOR	[M]
Q803	2SC2712GRT5T	TRANSISTOR	[M]
Q804	KRA102STA	TRANSISTOR	[M]
Q805	2SC3326BT5M	TRANSISTOR	[M]
Q807	KRC101STA	TRANSISTOR	[M]
Q808	KRC101STA	TRANSISTOR	[M]
Q810	KTA12710YTA	TRANSISTOR	[M]
Q811	KRA102STA	TRANSISTOR	[M]
Q812	KRC102STA	TRANSISTOR	[M]
Q813	KRC103STA	TRANSISTOR	[M]
Q900	2SC1740SSTA	TRANSISTOR	[M]
Q950	2SB621ARSTA	TRANSISTOR	[M]
Q951	2SD21370PA	TRANSISTOR	[M]
Q952	B1AAGC000007	TRANSISTOR	[M]
Q953	B1AAGC000007	TRANSISTOR	[M]
Q1001	KTC3199GRTA	TRANSISTOR	[M]
Q1003	B1AAGC000007	TRANSISTOR	[M]
Q1004	B1AAGC000007	TRANSISTOR	[M]
Q1005	B1AAGC000007	TRANSISTOR	[M]
Q1006	KRC114STA	TRANSISTOR	[M]
Q1007	KTC3875GRTA	TRANSISTOR	[M]
Q1008	KTC3875GRTA	TRANSISTOR	[M]
Q1009	KTC3875GRTA	TRANSISTOR	[M]
Q1010	KTC3875GRTA	TRANSISTOR	[M]
Q1011	KTC3875GRTA	TRANSISTOR	[M]
Q1012	KTD1304TA	TRANSISTOR	[M]
Q1013	KTD1304TA	TRANSISTOR	[M]
Q1014	B1ABCF000011	TRANSISTOR	[M]
Q1015	B1ABCF000011	TRANSISTOR	[M]
Q1016	KRA102STA	TRANSISTOR	[M]
Q1017	KTD1146YTA	TRANSISTOR	[M]
Q1018	KTA12710YTA	TRANSISTOR	[M]
Q1019	KTA12710YTA	TRANSISTOR	[M]

Q1020	KTD1304TA	TRANSISTOR	[M]
Q1021	KTD1304TA	TRANSISTOR	[M]
Q1022	KRA102STA	TRANSISTOR	[M]
Q1023	KRA102STA	TRANSISTOR	[M]
		DIODES	
D1	SVC211SPA-AL	DIODE	[M]
D2	B0BA4R600003	DIODE	[M]
D2	SVC211SPA-AL	DIODE	[M]
D3	SVC211SPA-AL	DIODE	[M]
D101	B0BC5R000009	DIODE	[M]
D202	MA2J72800L	DIODE	[M]
D204	B0ADCC000002	DIODE	[M]
D205	MA2J72800L	DIODE	[M]
D301	B0ACCK000005	DIODE	[M]
D302	B0ADCJ000020	DIODE	[M]
D303	B0ADCJ000020	DIODE	[M]
D304	B0ADCJ000020	DIODE	[M]
D308	RL1N4003S-P	DIODE	[M]
D311	B0BC5R000009	DIODE	[M]
D312	RL1N4003S-P	DIODE	[M]
D317	B0BC7R500001	DIODE	[M]
D370	B0ACCK000005	DIODE	[M]
D371	UDZSTE1710B	DIODE	[M]
D372	B0ACCK000005	DIODE	[M]
D373	UDZSTE1710B	DIODE	[M]
D374	RL1N4003S-P	DIODE	[M]
D375	B0ACCK000005	DIODE	[M]
D376	B0ACCK000005	DIODE	[M]
D377	B0ACCK000005	DIODE	[M]
D378	RL1N4003S-P	DIODE	[M]
D379	B0ACCK000005	DIODE	[M]
D380	B0ACCK000005	DIODE	[M]
D381	B0ACCK000005	DIODE	[M]
D382	B0ACCK000005	DIODE	[M]
D384			

	B0ACCK000005	DIODE	[M]
D402	MA2J72800L	DIODE	[M]
D404	B0ADCC000002	DIODE	[M]
D405	MA2J72800L	DIODE	[M]
D500	B0JAPG000019	DIODE	[M]
D501	B0JAPG000019	DIODE	[M]
D520	B0BA01900005	DIODE	[M]
D521	B0BA01900005	DIODE	[M]
D522	B0BA01900005	DIODE	[M]
D523	B0BA01900005	DIODE	[M]
D524	RL1N4003S-P	DIODE	[M]
D525	RL1N4003S-P	DIODE	[M]
D526	B0AACK000004	DIODE	[M]
D527	B0AACK000004	DIODE	[M]
D540	MTZJ24DTA	DIODE	[M]
D541	B0BA01100004	DIODE	[M]
D542	B0BA01100004	DIODE	[M]
D543	B0AACK000004	DIODE	[M]
D544	B0AACK000004	DIODE	[M]
D545	B0AACK000004	DIODE	[M]
D580	B0JAPG000019	DIODE	[M]
D581	B0JAPG000019	DIODE	[M]
D602	B0AACK000004	DIODE	[M]
D604	B0AACK000004	DIODE	[M]
D605	B0AACK000004	DIODE	[M]
D608	B0AACK000004	DIODE	[M]
D610	B0AACK000004	DIODE	[M]
D611	1SS380TE-17	DIODE	[M]
D612	1SS380TE-17	DIODE	[M]
D613	MA2C72300F	DIODE	[M]
D614	MA2C700A0F	DIODE	[M]
D615	MA2C700A0F	DIODE	[M]
D616	B0BA5R600016	DIODE	[M]
D617	B0AACK000004	DIODE	[M]
D620	SLI325URCT31	DIODE	[M]
D622	LNJ301MPUJAD	DIODE	[M]
D623			





	LNJ301MPUJAD	DIODE	[M]
D624	LNJ301MPUJAD	DIODE	[M]
D625	B0AACK000004	DIODE	[M]
D626	B0AACK000004	DIODE	[M]
D800	RL1N4003S-P	DIODE	[M]
D801	EK14LFH2K	DIODE	[M]
D802	B0ACCK000005	DIODE	[M]
D803	B0ACCK000005	DIODE	[M]
D901	LNJ301MPUJAD	DIODE	[M]
D902	SLR325YCT31	DIODE	[M]
D903	SLR325YCT31	DIODE	[M]
D904	LNJ301MPUJAD	DIODE	[M]
D905	LNJ301MPUJAD	DIODE	[M]
D906	B0BA5R000004	DIODE	[M]
D907	LNJ301MPUJAD	DIODE	[M]
D950	RL1N4003S-P	DIODE	[M]
D951	B0HARM000017	DIODE	[M] 
D951	MA2C16500E	DIODE	[M]
D952	B0HARM000017	DIODE	[M] 
D953	B0HARM000017	DIODE	[M] 
D954	B0HARM000017	DIODE	[M] 
D957	B0FBAM000009	DIODE	[M] 
D958	B0FBAM000009	DIODE	[M] 
D959	RL1N4003S-P	DIODE	[M]
D960	RL1N4003S-P	DIODE	[M]
D961	MTZJ30ATA	DIODE	[M]
D962	1T3T	DIODE	[M]
D963	1T3T	DIODE	[M]
D964	1T3T	DIODE	[M]
D965	B0BA6R600008	DIODE	[M]
D966	1T3T	DIODE	[M]
D967	B0AACK000004	DIODE	[M]
D968	1T3T	DIODE	[M]
D969	B0HARM000017	DIODE	[M] 
D970	KBP152G4R5	DIODE	[M] 
D971	B0HARM000017	DIODE	[M] 






D971	MA2C16500E	DIODE	[M]
D972	B0HARM000017	DIODE	[M] 
D973	B0HARM000017	DIODE	[M] 
D976	B0AACK000004	DIODE	[M]
D977	B0AACK000004	DIODE	[M]
D978	B0AACK000004	DIODE	[M]
D979	B0AACK000004	DIODE	[M]
D982	B0AACK000004	DIODE	[M]
D983	B0AACK000004	DIODE	[M]
D984	B0AACK000004	DIODE	[M]
D987	B0AACK000004	DIODE	[M]
D1003	B0ACCK000005	DIODE	[M]
D1004	B0BC3R700004	DIODE	[M]
		VARIABLE RESISTORS	
VR600	EVEKE2F3024M	VOLUME JOG	[M]
VR602	EVUF2AF15B14	MIC VOLUME	[M]
		SWITCHES	
S501	K0AFZA000005	SW VOLTAGE SELECTOR	[M] 
S600	EVQ21405R	SW POWER	[M]
S601	EVQ21405R	SW DISPLAY	[M]
S602	EVQ21405R	SW CD OPEN/CLOSE	[M]
S603	EVQ21405R	SW DISC 1	[M]
S604	EVQ21405R	SW DISC 2	[M]
S605	EVQ21405R	SW DISC 3	[M]
S606	EVQ21405R	SW DISC 4	[M]
S607	EVQ21405R	SW DISC 5	[M]
S610	EVQ21405R	SW DECK 2	[M]
S611	EVQ21405R	SW DECK 1	[M]
S701	RSH1A053-U	SW RESET	[M]
S910	EVQ21405R	SW TAPE	[M]
S911	EVQ21405R	SW CD PLAY	[M]
S912	EVQ21405R	SW AUX	[M]






S913	EVQ21405R	SW TUNER	[M]
S914	EVQ21405R	SW S.S. EQ	[M]
S920	EVQ21405R	SW FF	[M]
S921	EVQ21405R	SW STOP/DEMO	[M]
S922	EVQ21405R	SW REW	[M]
S923	EVQ21405R	SW DECK 1/2	[M]
S924	EVQ21405R	SW REC	[M]
S925	EVQ21405R	SW PRESET EQ	[M]
S926	EVQ21405R	SW SUB. WOOFER	[M]
S951	RSH1A018-3U	SW MODE	[M]
S952	RSH1A019-2U	SW HALF	[M]
S953	RSH1A019-2U	SW CR02	[M]
S971	RSH1A018-3U	SW MODE	[M]
S972	RSH1A019-2U	SW HALF	[M]
S973	RSH1A019-2U	SW CR02	[M]
S974	RSH1A019-2U	SW RECINH_R	[M]
S975	RSH1A019-2U	SW RECINH_F	[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]
SW800	K0D112B00126	SW	[M]
		CONNECTORS	
CN1	K1MN14A00049	14P FFC CONNECTOR	[M]
CN300	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN301	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN302	RJS1A9417	P1.25 FFC CONNECTOR	[M]
CN303	RJS1A9417	P1.25 FFC CONNECTOR	[M]
CN304	RJS1A5210	10P WIRE HOLDER	[M]
CN305	K1KA02A00008	CONNECTOR	[M]
CN306			

	K1KA02A00010	2P CONNECTOR	[M]
CN309	RJS1A9414-1	14P CONNECTOR	[M]
CN310	K1MN24A00040	24P FFC CONNECTOR	[M]
CN311	RJU107K30M	30P CONNECTOR	[M]
CN701	RJS2A8616	16P FPC CONNECTOR	[M]
CN702	K1MN24B00090	24P FFC CONNECTOR	[M]
CN900	K1KA02A00010	2P CONNECTOR	[M]
CN900	RJT066H10B	10P BTB CONNECTOR	[M]
CN950	RJT119W10V	10P CONNECTOR	[M]
CN951	RJT119W07V	7P WIRE CONNECTOR	[M]
CN953	RJT029W03VT	2.5MM CONNECTOR	[M]
CN954	K1KA07A00058	7P CONNECTOR	[M]
CN955	RJT119W08V	CONNECTOR	[M]
CN956	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN957	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN958	RJT119W15V	15P WIRE HOLDER	[M]
CN959	RJT119W15V	15P WIRE HOLDER	[M]
CN1000	RJT107K30T	30P CONNECTOR	[M]
CN1001	K1MP08B00001	8P WIRE TRAP	[M]
CP500	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP501	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP502	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP503	K1KA12A00184	12P P2 MQ CONNECTOR	[M]
CP600	RJS1A9417	P1.25 FFC CONNECTOR	[M]
CP601	RJS1A9417	P1.25 FFC CONNECTOR	[M]
CP900	RJU066H10M	10 B-B	[M]
CP1001	RJT071K09A	9P B/B CONNECTOR	[M]
CP1002	RJT071K09A	9P B/B CONNECTOR	[M]
CS951	RJU071H09M1	CONNECTOR	[M]
CS971	RJU071H09M1	CONNECTOR	[M]
CS1001	RJS1A6805-J	5P CONNECTOR SOCKET	[M]
CS1002	RJS1A6805-J	5P CONNECTOR SOCKET	[M]
		COILS & TRANSFORMERS	

L1	RLQZP1R2KT-Y	COIL	[M]
L2	RLQZPR47KT-Y	COIL	[M]
L500	RLQZ371	LINE FILTER	[M] 
L600	RLQB3R3KT-1Y	COIL	[M]
L602	RLQB101KT-1Y	COIL	[M]
L604	G0C100JA0030	INDUCTOR	[M]
L605	G0C3R3JA0030	COIL	[M]
L606	RLQZP101KT-Y	AXIAL COIL	[M]
L607	RLQZP101KT-Y	AXIAL COIL	[M]
L608	RLQZP100KT-Y	AXIAL COIL	[M]
L701	RLBV102V-Y	CHIP INDUCTOR	[M]
L702	RLBV102V-Y	CHIP INDUCTOR	[M]
L703	RLBV102V-Y	CHIP INDUCTOR	[M]
L704	RLBV102V-Y	CHIP INDUCTOR	[M]
L801	G0ZZ00001930	COIL	[M]
L802	RLL500050T-Y	RF CHOKE COIL	[M]
L803	RLL500050T-Y	RF CHOKE COIL	[M]
L804	RLL500050T-Y	RF CHOKE COIL	[M]
L805	RLL500050T-Y	RF CHOKE COIL	[M]
L806	RLL500050T-Y	RF CHOKE COIL	[M]
L1000	G1C1R8KA0009	CHIP INDUCTOR	[M]
L1001	G0C470JA0030	RF CHOKE COIL	[M]
L1002	7L1A62N	BIAS OSC COIL	[M]
L1002	G1C2R7K00005	CHIP INDUCTOR	[M]
T501	G4C8AHK00001	MAIN TRANSFORMER	[M] 
T502	G4C2AAJ00001	BACK UP TRANSFORMER	[M] 
		COMPONENT COMBINATION	
Z101	RLA2Z007-T	COIL	[M]
Z102	G2BAE0000003	AM IF BLOCK	[M]
Z501	ERZV10V511CS	ZENER	[M] 
Z600	B3RAB0000012	REMOTE CONTROL SENSO	[M]
Z900	RMBX0022	GROUNDING SPRING	[M]

Z971	RGSD12A1445T	RADA RESISTOR	[M]
Z1002	RGSD12A1445T	RADA RESISTOR	[M]
		CERAMIC FILTERS	
CF201	RLFFETWND01M	FM CF	[M]
CF202	RLFFETWND01M	FM CF	[M]
		RELAY	
RL502	RSY0040M-0	PRIMARY RELAY	[M] 
		OSCILLATORS	
X102	RLFDFT22DD	DISCRIMINATOR	[M]
X103	RSXC7M20S05T	CRYSTAL OSCILLATOR	[M]
X600	H0A327200073	CRYSTAL OSCILLATOR	[M]
X601	RSXZ4M19D01T	CERAMIC OSCILLATOR	[M]
X701	RSXB16M9J02T	CRYSTAL OSCILLATOR	[M]
X800	H2B600400003	CERAMIC OSCILLATOR	[M]
X1000	H0J270500013	27 MHZ CRYSTAL	[M]
		DISPLAY TUBE	
FL600	A2BD00000053	FL DISPLAY	[M]
		FUSES	
F1	K5D402BK0007	4A FUSE	[M] 
F2	K5D202BK0005	250V 2A FUSE	[M] 
F3	K5D632BK0007	6.3A FUSE	[M] 
F4	K5D632BK0007	6.3A FUSE	[M] 
		FUSE HOLDERS	
FC1	EYF52BC	FUSE HOLDER	[M]

FC2	EYF52BC	FUSE HOLDER	[M]
FC3	EYF52BC	FUSE HOLDER	[M]
FC4	EYF52BC	FUSE HOLDER	[M]
FC5	EYF52BC	FUSE HOLDER	[M]
FC6	EYF52BC	FUSE HOLDER	[M]
FC7	EYF52BC	FUSE HOLDER	[M]
FC8	EYF52BC	FUSE HOLDER	[M]
		FUSE PROTECTOR	
FP950	K5G402AA0002	FUSE PROTECTOR	[M] 
FP951	K5G102AA0002	FUSE PROTECTOR	[M] 
		HOLDERS	
H500	K1YF15000004	15P WIRE HOLDER	[M]
H502	K1YF15000004	15P WIRE HOLDER	[M]
H503	RJS1A5508	WIRE HOLDER	[M]
H600	RMR0316	7P CABLE HOLDER	[M]
H601	RMR0317	8P CABLE HOLDER	[M]
H900	RMR0311	HOLDER	[M]
H950	K1YF10000006	10P WIRE HOLDER	[M]
H951	K1YF07000003	7P WIRE HOLDER	[M]
H1001	RMR0319	10P CABLE HOLDER	[M]
		JACKS	
JK101	RJH5414-1	JK ANTENNA	[M]
JK305	K2HA204B0116	JK 4P RCA	[M]
JK500	K2AA2B000004	JK AC INLET	[M] 
JK600	RJJ37TK07-X	JK HP/MIC	[M]
JK601	RJJ37TK07-X	JK HP/MIC	[M]
JK800	RJH2110	JK VIDEO OUT	[M]
JK900	RJJ37TK07-X	JK HP/MIC	[M]
JK951	K2HA204B0119	JK 2 PIN SURROUND	[M]
JK952	K4BC04B00047	JK SPEAKER	[M]

JK953	K4BC04B00046	JK SPEAKER	[M]
		EARTH TEMRINAL	
E500	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W1	REE0971	WIRE (YELLOW)	[M]
W1	REZ1023-1	4P WIRE	[M]
W2	REE0972	WIRE (VIOLET)	[M]
W2	REZ1024	3P WIRE	[M]
W3	REEX0059	WIRE (BLUE)	[M]
W4	REEX0061	WIRE (BLACK)	[M]
W5	REEX0057	WIRE (ORANGE)	[M]
W6	REE0973	WIRE (BROWN)	[M]
W7	REE0974	WIRE (LIGHT BLUE)	[M]
W500	REXX0304	15P FLAT WIRE	[M]
W502	REXX0304	15P FLAT WIRE	[M]
W503	REXX0302	8P FLAT WIRE	[M]
W600	REXX0295	7P FLAT WIRE	[M]
W601	RWJ0208150RX	8P PANEL TO DECK	[M]
W950	REXX0297	10P FLAT WIRE	[M]
W951	REXX0296	7P FLAT WIRE	[M]
W952	REXX0206	2P STANDBY WIRE	[M]
W1001	RWJ6510110XX	10P WIRE	[M]
W1002	RWJ0102050CK	MAIN-MECHA MOTOR WIR	[M]
		JUMPER PLATE	
PL1	RJR0199	JUMPER PLATE	[M]
		RESISTORS	
R1	ERDS2TJ102T	1K 1/4W	[M]
R1	ERDS2TJ104T	100K 1/4W	[M]
R2			

	ERDS2TJ104T	100K 1/4W	[M]
R3	ERDS2TJ221T	220 1/4W	[M]
R4	ERDS2TJ104T	100K 1/4W	[M]
R5	ERDS2TJ564T	560K 1/4W	[M]
R6	ERDS2TJ391T	390 1/4W	[M]
R7	ERDS2TJ272T	2.7K 1/4W	[M]
R8	ERDS2TJ684T	680K 1/4W	[M]
R9	ERDS2TJ391T	390 1/4W	[M]
R10	ERDS2TJ391T	390 1/4W	[M]
R11	ERDS2TJ684T	680K 1/4W	[M]
R101	ERJ3GEY0R00V	0 1/16W	[M]
R102	ERJ3GEYJ472V	4.7K 1/16W	[M]
R103	D0GB271JA002	270 1/16W	[M]
R104	ERJ3GEYJ102V	1K 1/16W	[M]
R105	ERJ3GEYJ471V	470 1/16W	[M]
R106	D0GB474JA002	470K 1/16W	[M]
R107	ERJ3GEYJ331V	330 1/16W	[M]
R110	ERJ3GEYJ102V	1K 1/16W	[M]
R111	ERJ3GEYJ391V	390 1/16W	[M]
R112	ERJ3GEYJ104V	100K 1/16W	[M]
R113	ERJ3GEYJ103V	10K 1/16W	[M]
R114	D0GB562JA002	5.6K 1/16W	[M]
R115	ERJ3GEYJ561V	560 1/16W	[M]
R116	ERJ3GEYJ102V	1K 1/16W	[M]
R117	ERJ3GEYJ473V	47K 1/16W	[M]
R118	D0GB332JA002	3.3K 1/16W	[M]
R119	D0GB332JA002	3.3K 1/16W	[M]
R120	ERJ3GEYJ473V	47K 1/16W	[M]
R121	ERJ3GEYJ223V	22K 1/16W	[M]
R122	D0GB272JA002	2.7K 1/16W	[M]
R123	D0GB683JA002	68K 1/16W	[M]
R124	ERJ3GEYJ330V	33 1/16W	[M]
R125	ERJ3GEYJ471V	470 1/16W	[M]
R126	ERJ3GEYJ102V	1K 1/16W	[M]
R127	ERJ3GEYJ471V	470 1/16W	[M]
R128	D0GB820JA019	82 1/16W	[M]
R129			

	D0GB273JA002	27K 1/16W	[M]
R130	ERJ3GEYJ103V	10K 1/16W	[M]
R131	D0GB121JA002	120 1/16W	[M]
R132	ERJ3GEYJ103V	10K 1/16W	[M]
R133	ERJ3GEYJ102V	1K 1/16W	[M]
R134	ERJ3GEYJ471V	470 1/16W	[M]
R135	ERJ3GEYJ102V	1K 1/16W	[M]
R136	ERJ3GEYJ102V	1K 1/16W	[M]
R137	ERJ3GEYJ102V	1K 1/16W	[M]
R138	D0GB332JA002	3.3K 1/16W	[M]
R141	ERJ3GEYJ682V	6.8K 1/16W	[M]
R142	ERJ3GEYJ682V	6.8K 1/16W	[M]
R143	ERJ3GEYJ223V	22K 1/16W	[M]
R144	D0GB121JA002	120 1/16W	[M]
R145	ERJ3GEYJ104V	100K 1/16W	[M]
R146	ERJ3GEYJ104V	100K 1/16W	[M]
R151	D0GB820JA019	82 1/16W	[M]
R152	ERJ3GEY0R00V	0 1/16W	[M]
R201	ERJ3GEYJ103V	10K 1/16W	[M]
R202	D0GB332JA002	3.3K 1/16W	[M]
R203	ERJ3GEYJ102V	1K 1/16W	[M]
R204	ERJ3GEYJ473V	47K 1/16W	[M]
R205	ERJ3GEYJ102V	1K 1/16W	[M]
R206	ERJ3GEYJ473V	47K 1/16W	[M]
R207	ERJ3GEYJ182V	1.8K 1/16W	[M]
R208	D0GB562JA002	5.6K 1/16W	[M]
R209	ERJ3GEYJ104V	100K 1/16W	[M]
R210	ERJ3GEYJ473V	47K 1/16W	[M]
R211	ERJ3GEYJ223V	22K 1/16W	[M]
R212	D0GB334JA002	330K 1/16W	[M]
R213	ERJ3GEYJ823V	82K 1/16W	[M]
R214	ERJ3GEYJ222V	2.2K 1/16W	[M]
R215	D0GB101JA002	100 1/16W	[M]
R216	ERJ3GEY0R00V	0 1/16W	[M]
R217	ERJ3GEYJ104V	100K 1/16W	[M]
R218	ERJ3GEYJ102V	1K 1/16W	[M]
R219			



	D0GB152JA002	1.5K 1/16W	[M]
R220	D0GB392JA002	3.9K 1/16W	[M]
R221	ERJ3GEYJ682V	6.8K 1/16W	[M]
R222	ERJ3GEYJ472V	4.7K 1/16W	[M]
R223	ERJ3GEYJ473V	47K 1/16W	[M]
R224	D0GB122JA019	1.2K 1/16W	[M]
R225	D0GB683JA002	68K 1/16W	[M]
R226	ERJ3GEYJ222V	2.2K 1/16W	[M]
R227	ERJ3GEYJ472V	4.7K 1/16W	[M]
R228	ERJ3GEYJ104V	100K 1/16W	[M]
R229	ERJ3GEYJ102V	1K 1/16W	[M]
R230	ERJ3GEYJ153V	15K 1/16W	[M]
R231	ERJ3GEYJ222V	2.2K 1/16W	[M]
R232	ERJ3GEYJ104V	100K 1/16W	[M]
R233	D0GB152JA002	1.5K 1/16W	[M]
R234	D0GB680JA019	68 1/16W	[M]
R235	D0GB680JA019	68 1/16W	[M]
R236	D0GB680JA019	68 1/16W	[M]
R237	D0GB680JA019	68 1/16W	[M]
R238	ERJ3GEYJ223V	22K 1/16W	[M]
R239	ERJ3GEYJ823V	82K 1/16W	[M]
R240	D0GB393JA002	39K 1/16W	[M]
R241	ERJ3GEY0R00V	0 1/16W	[M]
R242	D0GB272JA002	2.7K 1/16W	[M]
R243	ERJ3GEYJ473V	47K 1/16W	[M]
R244	D0GB393JA002	39K 1/16W	[M]
R245	ERJ3GEY0R00V	0 1/16W	[M]
R247	ERJ3GEY0R00V	0 1/16W	[M]
R248	D0GB334JA002	330K 1/16W	[M]
R249	ERJ3GEYJ102V	1K 1/16W	[M]
R250	D0GB332JA002	3.3K 1/16W	[M]
R253	ERJ3GEYJ473V	47K 1/16W	[M]
R254	ERJ3GEYJ102V	1K 1/16W	[M]
R255	ERJ3GEYJ104V	100K 1/16W	[M]
R256	ERJ3GEYJ102V	1K 1/16W	[M]
R257	ERJ3GEYJ472V	4.7K 1/16W	[M]
R258			

	D0GB273JA002	27K 1/16W	[M]
R259	D0GB332JA002	3.3K 1/16W	[M]
R260	ERJ3GEYJ473V	47K 1/16W	[M]
R261	D0GB333JA002	33K 1/16W	[M]
R262	D0GB332JA002	3.3K 1/16W	[M]
R263	ERJ3GEYJ104V	100K 1/16W	[M]
R264	ERJ3GEYJ182V	1.8K 1/16W	[M]
R265	ERJ3GEYJ681V	680 1/16W	[M]
R266	ERJ3GEYJ472V	4.7K 1/16W	[M]
R267	ERJ3GEYJ182V	1.8K 1/16W	[M]
R269	ERJ3GEYJ104V	100K 1/16W	[M]
R270	D0GB393JA002	39K 1/16W	[M]
R271	ERJ3GEYJ153V	15K 1/16W	[M]
R272	ERJ3GEYJ824V	820K 1/16W	[M]
R274	ERJ3GEYJ391V	390 1/16W	[M]
R275	D0GB122JA019	1.2K 1/16W	[M]
R276	ERJ3GEYJ221V	220 1/16W	[M]
R277	ERJ3GEYJ102V	1K 1/16W	[M]
R279	ERJ3GEYJ102V	1K 1/16W	[M]
R280	ERJ3GEYJ104V	100K 1/16W	[M]
R281	D0GB152JA002	1.5K 1/16W	[M]
R282	ERJ3GEYJ222V	2.2K 1/16W	[M]
R283	ERJ3GEYJ102V	1K 1/16W	[M]
R284	ERJ3GEYJ222V	2.2K 1/16W	[M]
R285	ERJ3GEYJ123V	12K 1/16W	[M]
R286	ERJ3GEYJ823V	82K 1/16W	[M]
R289	D0GB1R0JA002	1 1/16W	[M]
R300	ERJ3GEYJ102V	1K 1/16W	[M]
R301	ERJ3GEY0R00V	0 1/16W	[M]
R302	ERJ3GEYJ472V	4.7K 1/16W	[M]
R303	ERJ3GEYJ103V	10K 1/16W	[M]
R304	ERJ3GEYJ222V	2.2K 1/16W	[M]
R305	ERJ3GEYJ222V	2.2K 1/16W	[M]
R306	ERJ3GEYJ391V	390 1/16W	[M]
R307	ERJ3GEYJ391V	390 1/16W	[M]
R308	ERJ3GEY0R00V	0 1/16W	[M]
R309			

	ERJ3GEYJ104V	100K 1/16W	[M]
R310	D0GB152JA002	1.5K 1/16W	[M]
R311	ERJ3GEYJ223V	22K 1/16W	[M]
R312	ERJ3GEYJ221V	220 1/16W	[M]
R313	ERJ3GEYJ103V	10K 1/16W	[M]
R314	ERJ3GEYJ225V	2.2M 1/16W	[M]
R315	ERJ3GEYJ472V	4.7K 1/16W	[M]
R316	ERJ3GEYJ103V	10K 1/16W	[M]
R317	ERJ3GEYJ102V	1K 1/16W	[M]
R318	ERJ3GEYJ472V	4.7K 1/16W	[M]
R319	ERJ3GEY0R00V	0 1/16W	[M]
R325	D0GB332JA002	3.3K 1/16W	[M]
R326	ERJ3GEYJ104V	100K 1/16W	[M]
R327	ERJ3GEYJ104V	100K 1/16W	[M]
R328	ERJ3GEYJ103V	10K 1/16W	[M]
R329	ERDS1FVJ220T	22 1/2W	[M]
R330	ERJ3GEYJ224V	220K 1/16W	[M]
R331	ERJ3GEYJ223V	22K 1/16W	[M]
R332	D0GB101JA002	100 1/16W	[M]
R333	ERJ3GEY0R00V	0 1/16W	[M]
R334	ERJ3GEY0R00V	0 1/16W	[M]
R335	ERJ3GEY0R00V	0 1/16W	[M]
R336	ERJ3GEY0R00V	0 1/16W	[M]
R337	D0GB273JA002	27K 1/16W	[M]
R338	ERJ3GEY0R00V	0 1/16W	[M]
R339	D0GB563JA002	56K 1/16W	[M]
R340	ERJ3GEYJ221V	220 1/16W	[M]
R341	ERJ3GEY0R00V	0 1/16W	[M]
R342	ERJ3GEYJ473V	47K 1/16W	[M]
R343	D0GB333JA002	33K 1/16W	[M]
R344	D0GB563JA002	56K 1/16W	[M]
R345	ERJ3GEYJ222V	2.2K 1/16W	[M]
R346	ERJ3GEYJ182V	1.8K 1/16W	[M]
R347	D0GB683JA002	68K 1/16W	[M]
R348	D0GB821JA002	820 1/16W	[M]
R349	ERJ3GEYJ472V	4.7K 1/16W	[M]
R350			

	D0GB273JA002	27K 1/16W	[M]
R351	ERJ3GEYJ223V	22K 1/16W	[M]
R352	ERJ3GEYJ223V	22K 1/16W	[M]
R353	ERJ3GEYJ223V	22K 1/16W	[M]
R354	ERJ3GEYJ223V	22K 1/16W	[M]
R355	ERJ3GEYJ222V	2.2K 1/16W	[M]
R356	ERJ3GEYJ104V	100K 1/16W	[M]
R357	D0GB152JA002	1.5K 1/16W	[M]
R358	D0GB273JA002	27K 1/16W	[M]
R359	D0GB563JA002	56K 1/16W	[M]
R360	ERJ3GEYJ221V	220 1/16W	[M]
R362	D0GB563JA002	56K 1/16W	[M]
R363	ERJ3GEYJ104V	100K 1/16W	[M]
R364	ERJ3GEYJ103V	10K 1/16W	[M]
R365	ERJ3GEY0R00V	0 1/16W	[M]
R369	D0GB821JA002	820 1/16W	[M]
R370	ERJ3GEYJ104V	100K 1/16W	[M]
R371	ERJ3GEYJ472V	4.7K 1/16W	[M]
R372	ERJ3GEYJ472V	4.7K 1/16W	[M]
R373	D0GB332JA002	3.3K 1/16W	[M]
R374	ERJ3GEYJ104V	100K 1/16W	[M]
R375	ERJ3GEYJ103V	10K 1/16W	[M]
R376	ERDS1FVJ220T	22 1/2W	[M]
R377	ERJ3GEYJ224V	220K 1/16W	[M]
R378	D0GB101JA002	100 1/16W	[M]
R379	ERJ3GEYJ104V	100K 1/16W	[M]
R380	ERJ3GEYJ331V	330 1/16W	[M]
R381	ERJ3GEYJ225V	2.2M 1/16W	[M]
R382	ERJ3GEY0R00V	0 1/16W	[M]
R384	D0GB683JA002	68K 1/16W	[M]
R385	ERDS1FVJ270T	27 1/2W	[M]
R386	ERJ3GEY0R00V	0 1/16W	[M]
R387	D0GB683JA002	68K 1/16W	[M]
R388	ERDS1FVJ100T	10 1/2W	[M]
R389	ERDS1FVJ100T	10 1/2W	[M]
R390	ERJ3GEYJ153V	15K 1/16W	[M]
R391			

	ERJ3GEYJ153V	15K 1/16W	[M]
R392	D0GB101JA002	100 1/16W	[M]
R393	D0GB101JA002	100 1/16W	[M]
R394	ERJ3GEYJ102V	1K 1/16W	[M]
R395	ERJ3GEYJ102V	1K 1/16W	[M]
R396	ERJ3GEY0R00V	0 1/16W	[M]
R397	ERJ3GEY0R00V	0 1/16W	[M]
R398	ERJ3GEYJ103V	10K 1/16W	[M]
R399	ERJ3GEYJ103V	10K 1/16W	[M]
R401	ERJ3GEYJ103V	10K 1/16W	[M]
R402	D0GB332JA002	3.3K 1/16W	[M]
R403	ERJ3GEYJ102V	1K 1/16W	[M]
R404	ERJ3GEYJ473V	47K 1/16W	[M]
R405	ERJ3GEYJ102V	1K 1/16W	[M]
R406	ERJ3GEYJ473V	47K 1/16W	[M]
R407	ERJ3GEYJ182V	1.8K 1/16W	[M]
R408	D0GB562JA002	5.6K 1/16W	[M]
R409	ERJ3GEYJ104V	100K 1/16W	[M]
R410	ERJ3GEYJ473V	47K 1/16W	[M]
R411	ERJ3GEYJ223V	22K 1/16W	[M]
R412	D0GB334JA002	330K 1/16W	[M]
R413	ERJ3GEYJ823V	82K 1/16W	[M]
R414	ERJ3GEYJ222V	2.2K 1/16W	[M]
R415	D0GB101JA002	100 1/16W	[M]
R416	ERJ3GEY0R00V	0 1/16W	[M]
R417	ERJ3GEYJ104V	100K 1/16W	[M]
R418	ERJ3GEYJ102V	1K 1/16W	[M]
R419	D0GB152JA002	1.5K 1/16W	[M]
R420	D0GB392JA002	3.9K 1/16W	[M]
R421	ERJ3GEYJ682V	6.8K 1/16W	[M]
R422	ERJ3GEYJ472V	4.7K 1/16W	[M]
R423	ERJ3GEYJ473V	47K 1/16W	[M]
R424	D0GB122JA019	1.2K 1/16W	[M]
R425	D0GB683JA002	68K 1/16W	[M]
R426	ERJ3GEYJ222V	2.2K 1/16W	[M]
R427	ERJ3GEYJ472V	4.7K 1/16W	[M]
R428			

	ERJ3GEYJ104V	100K 1/16W	[M]
R429	ERJ3GEYJ102V	1K 1/16W	[M]
R430	ERJ3GEYJ153V	15K 1/16W	[M]
R431	ERJ3GEYJ222V	2.2K 1/16W	[M]
R432	ERJ3GEYJ104V	100K 1/16W	[M]
R433	D0GB152JA002	1.5K 1/16W	[M]
R434	D0GB680JA019	68 1/16W	[M]
R435	D0GB680JA019	68 1/16W	[M]
R436	D0GB680JA019	68 1/16W	[M]
R437	D0GB680JA019	68 1/16W	[M]
R438	ERJ3GEYJ223V	22K 1/16W	[M]
R439	ERJ3GEYJ823V	82K 1/16W	[M]
R440	D0GB393JA002	39K 1/16W	[M]
R441	ERJ3GEY0R00V	0 1/16W	[M]
R442	D0GB272JA002	2.7K 1/16W	[M]
R443	ERJ3GEYJ473V	47K 1/16W	[M]
R444	D0GB393JA002	39K 1/16W	[M]
R445	ERJ3GEY0R00V	0 1/16W	[M]
R447	ERJ3GEY0R00V	0 1/16W	[M]
R448	D0GB334JA002	330K 1/16W	[M]
R449	ERJ3GEYJ102V	1K 1/16W	[M]
R450	D0GB332JA002	3.3K 1/16W	[M]
R451	ERJ3GEY0R00V	0 1/16W	[M]
R453	ERJ3GEYJ473V	47K 1/16W	[M]
R454	ERJ3GEYJ102V	1K 1/16W	[M]
R455	ERJ3GEYJ104V	100K 1/16W	[M]
R456	ERJ3GEYJ102V	1K 1/16W	[M]
R457	ERJ3GEYJ472V	4.7K 1/16W	[M]
R458	D0GB273JA002	27K 1/16W	[M]
R459	D0GB332JA002	3.3K 1/16W	[M]
R460	ERJ3GEYJ473V	47K 1/16W	[M]
R461	D0GB333JA002	33K 1/16W	[M]
R462	D0GB332JA002	3.3K 1/16W	[M]
R463	ERJ3GEYJ104V	100K 1/16W	[M]
R464	ERJ3GEYJ182V	1.8K 1/16W	[M]
R465	ERJ3GEYJ681V	680 1/16W	[M]
R466			

	ERJ3GEYJ472V	4.7K 1/16W	[M]
R467	ERJ3GEYJ182V	1.8K 1/16W	[M]
R469	ERJ3GEYJ104V	100K 1/16W	[M]
R470	D0GB393JA002	39K 1/16W	[M]
R471	ERJ3GEYJ153V	15K 1/16W	[M]
R472	ERJ3GEYJ824V	820K 1/16W	[M]
R474	ERJ3GEYJ391V	390 1/16W	[M]
R475	D0GB122JA019	1.2K 1/16W	[M]
R476	ERJ3GEYJ221V	220 1/16W	[M]
R477	ERJ3GEYJ102V	1K 1/16W	[M]
R479	ERJ3GEYJ102V	1K 1/16W	[M]
R480	ERJ3GEYJ104V	100K 1/16W	[M]
R481	D0GB152JA002	1.5K 1/16W	[M]
R482	ERJ3GEYJ222V	2.2K 1/16W	[M]
R483	ERJ3GEYJ102V	1K 1/16W	[M]
R484	ERJ3GEYJ222V	2.2K 1/16W	[M]
R485	ERJ3GEYJ123V	12K 1/16W	[M]
R486	ERJ3GEYJ823V	82K 1/16W	[M]
R489	D0GB1R0JA002	1 1/16W	[M]
R500	ERDS2TJ153T	15K 1/4W	[M]
R501	ERDS2TJ153T	15K 1/4W	[M]
R502	ERDS2TJ153T	15K 1/4W	[M]
R503	ERDS2TJ332T	3.3K 1/4W	[M]
R504	ERDS2TJ332T	3.3K 1/4W	[M]
R505	ERDS2TJ332T	3.3K 1/4W	[M]
R506	ERDS2TJ332T	3.3K 1/4W	[M]
R507	ERDS2TJ563T	56K 1/4W	[M]
R508	ERDS2TJ563T	56K 1/4W	[M]
R509	ERDS2TJ473T	47K 1/4W	[M]
R510	ERDS2TJ473T	47K 1/4W	[M]
R511	ERDS2TJ474T	470K 1/4W	[M]
R512	ERDS2TJ102T	1K 1/4W	[M]
R513	ERDS2TJ681T	680 1/4W	[M]
R516	ERDS2TJ393T	39K 1/4W	[M]
R517	ERDS2TJ103T	10K 1/4W	[M]
R518	ERDS2TJ104T	100K 1/4W	[M]
R520			

	ERDS1FVJ2R2T	2.2 1/2W	[M]
R521	ERDS1FVJ2R2T	2.2 1/2W	[M]
R522	ERDS2TJ152T	1.5K 1/4W	[M]
R523	ERDS2TJ152T	1.5K 1/4W	[M]
R524	ERDS2TJ473T	47K 1/4W	[M]
R525	ERDS2TJ473T	47K 1/4W	[M]
R526	ERDS2TJ473T	47K 1/4W	[M]
R527	ERDS2TJ473T	47K 1/4W	[M]
R528	ERDS2TJ104T	100K 1/4W	[M]
R529	ERDS2TJ104T	100K 1/4W	[M]
R530	ERDS2TJ223T	22K 1/4W	[M]
R531	ERDS2TJ223T	22K 1/4W	[M]
R540	ERD2FCVJ4R7T	4.7 1/4W	[M]
R541	ERDS2TJ272T	2.7K 1/4W	[M]
R542	ERDS2TJ473T	47K 1/4W	[M]
R543	ERDS2TJ822T	8.2K 1/4W	[M]
R544	ERDS2TJ562T	5.6K 1/4W	[M]
R545	ERDS2TJ473T	47K 1/4W	[M]
R546	ERDS2TJ272T	2.7K 1/4W	[M]
R547	ERDS2TJ272T	2.7K 1/4W	[M]
R548	ERD2FCVJ4R7T	4.7 1/4W	[M]
R549	ERDS2TJ223T	22K 1/4W	[M]
R550	ERDS2TJ103T	10K 1/4W	[M]
R551	ERDS2TJ223T	22K 1/4W	[M]
R552	ERDS2TJ332T	3.3K 1/4W	[M]
R553	ERDS2TJ103T	10K 1/4W	[M]
R554	ERDS2TJ103T	10K 1/4W	[M]
R555	ERDS2TJ103T	10K 1/4W	[M]
R556	ERDS2TJ333T	33K 1/4W	[M]
R557	ERDS2TJ101T	100 1/4W	[M]
R559	ERDS2TJ103T	10K 1/4W	[M]
R560	ERDS2TJ393T	39K 1/4W	[M]
R561	ERDS2TJ472T	4.7K 1/4W	[M]
R562	ERDS2TJ563T	56K 1/4W	[M]
R563	ERDS2TJ101T	100 1/4W	[M]
R564	ERDS2TJ104T	100K 1/4W	[M]
R565			



	ERDS2TJ331T	330 1/4W	[M]
R580	ERDS2TJ153T	15K 1/4W	[M]
R581	ERDS2TJ332T	3.3K 1/4W	[M]
R582	ERDS2TJ153T	15K 1/4W	[M]
R583	ERDS2TJ332T	3.3K 1/4W	[M]
R584	ERDS2TJ563T	56K 1/4W	[M]
R585	ERDS2TJ563T	56K 1/4W	[M]
R586	ERDS2TJ474T	470K 1/4W	[M]
R587	ERDS2TJ102T	1K 1/4W	[M]
R601	ERDS2TJ681T	680 1/4W	[M]
R602	ERDS2TJ106T	10M 1/4W	[M]
R603	ERDS2TJ334T	330K 1/4W	[M]
R604	ERDS2TJ472T	4.7K 1/4W	[M]
R605	ERDS2TJ472T	4.7K 1/4W	[M]
R606	ERDS2TJ681T	680 1/4W	[M]
R607	ERDS2TJ392T	3.9K 1/4W	[M]
R608	ERDS2TJ103T	10K 1/4W	[M]
R609	ERDS2TJ271T	270 1/4W	[M]
R610	ERDS2TJ271T	270 1/4W	[M]
R611	ERDS2TJ271T	270 1/4W	[M]
R612	ERDS2TJ474T	470K 1/4W	[M]
R613	ERDS2TJ472T	4.7K 1/4W	[M]
R614	ERDS2TJ680T	68 1/4W	[M]
R615	ERDS2TJ680T	68 1/4W	[M]
R616	ERDS2TJ104T	100K 1/4W	[M]
R617	ERDS2TJ104T	100K 1/4W	[M]
R618	ERDS2TJ104T	100K 1/4W	[M]
R619	ERDS2TJ104T	100K 1/4W	[M]
R620	ERDS2TJ104T	100K 1/4W	[M]
R621	ERDS2TJ104T	100K 1/4W	[M]
R622	ERDS2TJ104T	100K 1/4W	[M]
R623	ERDS2TJ104T	100K 1/4W	[M]
R624	ERDS2TJ104T	100K 1/4W	[M]
R625	ERDS2TJ104T	100K 1/4W	[M]
R626	ERDS2TJ104T	100K 1/4W	[M]
R627	ERDS2TJ104T	100K 1/4W	[M]
R628			

	ERDS2TJ272T	2.7K 1/4W	[M]
R629	ERDS2TJ222T	2.2K 1/4W	[M]
R630	ERDS2TJ472T	4.7K 1/4W	[M]
R632	ERDS2TJ101T	100 1/4W	[M]
R633	ERDS2TJ101T	100 1/4W	[M]
R634	ERDS2TJ101T	100 1/4W	[M]
R635	ERDS2TJ102T	1K 1/4W	[M]
R636	ERDS2TJ102T	1K 1/4W	[M]
R637	ERDS2TJ101T	100 1/4W	[M]
R638	ERDS2TJ473T	47K 1/4W	[M]
R640	ERDS2TJ102T	1K 1/4W	[M]
R641	ERDS2TJ223T	22K 1/4W	[M]
R642	ERDS2TJ101T	100 1/4W	[M]
R643	ERDS2TJ101T	100 1/4W	[M]
R644	ERDS2TJ101T	100 1/4W	[M]
R645	ERDS2TJ103T	10K 1/4W	[M]
R646	ERDS2TJ103T	10K 1/4W	[M]
R647	ERDS2TJ103T	10K 1/4W	[M]
R649	ERDS2TJ102T	1K 1/4W	[M]
R650	ERDS2TJ103T	10K 1/4W	[M]
R651	ERDS2TJ103T	10K 1/4W	[M]
R652	ERDS2TJ222T	2.2K 1/4W	[M]
R653	ERDS2TJ103T	10K 1/4W	[M]
R654	ERDS2TJ223T	22K 1/4W	[M]
R655	ERDS2TJ473T	47K 1/4W	[M]
R656	ERDS2TJ221T	220 1/4W	[M]
R657	ERDS2TJ221T	220 1/4W	[M]
R658	ERDS2TJ103T	10K 1/4W	[M]
R659	ERDS2TJ473T	47K 1/4W	[M]
R660	ERDS2TJ473T	47K 1/4W	[M]
R661	ERDS2TJ473T	47K 1/4W	[M]
R662	ERDS2TJ103T	10K 1/4W	[M]
R663	ERDS2TJ223T	22K 1/4W	[M]
R664	ERDS2TJ223T	22K 1/4W	[M]
R665	ERDS2TJ472T	4.7K 1/4W	[M]
R666	ERDS2TJ562T	5.6K 1/4W	[M]
R667			

	ERDS2TJ223T	22K 1/4W	[M]
R668	ERDS2TJ471T	470 1/4W	[M]
R669	ERDS2TJ104T	100K 1/4W	[M]
R670	ERDS2TJ104T	100K 1/4W	[M]
R671	ERDS2TJ104T	100K 1/4W	[M]
R672	ERDS2TJ104T	100K 1/4W	[M]
R673	ERDS2TJ104T	100K 1/4W	[M]
R674	ERDS2TJ104T	100K 1/4W	[M]
R675	ERDS2TJ104T	100K 1/4W	[M]
R676	ERDS2TJ102T	1K 1/4W	[M]
R677	ERDS2TJ102T	1K 1/4W	[M]
R678	ERDS2TJ122T	1.2K 1/4W	[M]
R679	ERDS2TJ182T	1.8K 1/4W	[M]
R680	ERDS2TJ222T	2.2K 1/4W	[M]
R681	ERDS2TJ272T	2.7K 1/4W	[M]
R682	ERDS2TJ472T	4.7K 1/4W	[M]
R683	ERDS2TJ103T	10K 1/4W	[M]
R684	ERDS2TJ103T	10K 1/4W	[M]
R685	ERDS2TJ104T	100K 1/4W	[M]
R686	ERDS2TJ102T	1K 1/4W	[M]
R687	ERDS2TJ473T	47K 1/4W	[M]
R688	ERDS2TJ472T	4.7K 1/4W	[M]
R689	ERDS2TJ561T	560 1/4W	[M]
R690	ERDS2TJ334T	330K 1/4W	[M]
R691	ERDS2TJ151T	150 1/4W	[M]
R692	ERDS2TJ822T	8.2K 1/4W	[M]
R693	ERDS2TJ334T	330K 1/4W	[M]
R694	ERDS2TJ102T	1K 1/4W	[M]
R696	ERDS2TJ822T	8.2K 1/4W	[M]
R697	ERDS2TJ472T	4.7K 1/4W	[M]
R698	ERDS2TJ682T	6.8K 1/4W	[M]
R699	ERDS2TJ470T	47 1/4W	[M]
R701	D0GB4R7JA008	4.7 1/4W	[M]
R702	ERJ3GEYJ103V	10K 1/16W	[M]
R704	ERJ3GEYJ102V	1K 1/16W	[M]
R705	D0GB154JA002	150K 1/16W	[M]
R706			

	ERJ3GEYJ102V	1K 1/16W	[M]
R707	ERJ3GEYJ102V	1K 1/16W	[M]
R708	ERJ3GEYJ102V	1K 1/16W	[M]
R709	ERJ3GEYJ223V	22K 1/16W	[M]
R711	ERJ3GEYJ823V	82K 1/16W	[M]
R712	ERJ3GEYJ561V	560 1/16W	[M]
R714	ERJ3GEYJ221V	220 1/16W	[M]
R715	D0GB272JA002	2.7K 1/16W	[M]
R717	ERJ3GEYJ102V	1K 1/16W	[M]
R718	ERJ3GEYJ102V	1K 1/16W	[M]
R720	D0GB105JA002	1M 1/16W	[M]
R721	D0GB101JA002	100 1/16W	[M]
R723	D0GB562JA002	5.6K 1/16W	[M]
R725	ERJ3GEYJ561V	560 1/16W	[M]
R727	D0GB152JA002	1.5K 1/16W	[M]
R728	ERJ3GEYJ153V	15K 1/16W	[M]
R729	D0GB152JA002	1.5K 1/16W	[M]
R731	ERJ3GEYJ223V	22K 1/16W	[M]
R735	D0GB101JA002	100 1/16W	[M]
R736	D0GB100JA002	10 1/16W	[M]
R744	D0GB124JA002	120K 1/16W	[M]
R749	ERJ3GEYJ223V	22K 1/16W	[M]
R750	ERJ3GEYJ5R6V	5.6 1/16W	[M]
R753	D0GB100JA002	10 1/16W	[M]
R760	D0GB101JA002	100 1/16W	[M]
R800	ERJ3GEYJ102V	1K 1/16W	[M]
R801	ERJ3GEYJ223V	22K 1/16W	[M]
R802	ERJ3GEYJ473V	47K 1/16W	[M]
R803	ERJ3GEYJ472V	4.7K 1/16W	[M]
R804	ERJ3GEYJ472V	4.7K 1/16W	[M]
R805	ERJ3GEYJ103V	10K 1/16W	[M]
R806	ERJ3GEYJ102V	1K 1/16W	[M]
R807	ERJ3GEYJ473V	47K 1/16W	[M]
R808	D0GB152JA002	1.5K 1/16W	[M]
R809	ERJ3GEYJ102V	1K 1/16W	[M]
R810	ERJ3GEYJ102V	1K 1/16W	[M]
R811			


	ERJ3GEYJ223V	22K 1/16W	[M]
R812	ERJ3GEYJ223V	22K 1/16W	[M]
R813	ERJ3GEYJ472V	4.7K 1/16W	[M]
R814	ERJ3GEYJ473V	47K 1/16W	[M]
R815	D0GB101JA002	100 1/16W	[M]
R816	ERJ3GEYJ472V	4.7K 1/16W	[M]
R817	ERJ3GEYJ472V	4.7K 1/16W	[M]
R818	D0GB101JA002	100 1/16W	[M]
R819	D0GB101JA002	100 1/16W	[M]
R820	ERJ3GEYJ473V	47K 1/16W	[M]
R821	D0GB101JA002	100 1/16W	[M]
R822	ERJ3GEYJ472V	4.7K 1/16W	[M]
R823	D0GB101JA002	100 1/16W	[M]
R824	ERJ3GEYJ472V	4.7K 1/16W	[M]
R825	D0GB101JA002	100 1/16W	[M]
R826	ERJ3GEYJ472V	4.7K 1/16W	[M]
R827	D0GB101JA002	100 1/16W	[M]
R828	ERJ3GEYJ472V	4.7K 1/16W	[M]
R829	D0GB101JA002	100 1/16W	[M]
R830	ERJ3GEYJ472V	4.7K 1/16W	[M]
R831	ERJ3GEYJ223V	22K 1/16W	[M]
R832	ERJ3GEYJ102V	1K 1/16W	[M]
R833	ERJ3GEYJ223V	22K 1/16W	[M]
R834	ERJ3GEYJ473V	47K 1/16W	[M]
R835	ERJ3GEYJ103V	10K 1/16W	[M]
R836	ERJ3GEYJ102V	1K 1/16W	[M]
R837	ERJ3GEYJ103V	10K 1/16W	[M]
R838	ERJ3GEYJ103V	10K 1/16W	[M]
R839	ERJ3GEYJ182V	1.8K 1/16W	[M]
R840	D0GB101JA002	100 1/16W	[M]
R841	D0GB101JA002	100 1/16W	[M]
R842	D0GB101JA002	100 1/16W	[M]
R843	D0GB101JA002	100 1/16W	[M]
R844	ERJ3GEYJ102V	1K 1/16W	[M]
R845	ERJ3GEYJ102V	1K 1/16W	[M]
R846	ERJ3GEYJ470V	47 1/16W	[M]
R847			

	D0GB1R0JA002	1 1/16W	[M]
R848	D0GB1R0JA002	1 1/16W	[M]
R849	ERJ6GEYJ151V	THICK FILM CHIP RESISTOR SCF02	[M]
R850	ERJ3GEYJ103V	10K 1/16W	[M]
R851	ERJ3GEYJ102V	1K 1/16W	[M]
R852	ERJ3GEYJ102V	1K 1/16W	[M]
R853	ERJ3GEYJ102V	1K 1/16W	[M]
R854	ERJ3GEYJ102V	1K 1/16W	[M]
R855	ERJ3GEYJ102V	1K 1/16W	[M]
R856	ERJ3GEYJ102V	1K 1/16W	[M]
R857	ERJ3GEYJ102V	1K 1/16W	[M]
R858	ERJ3GEYJ102V	1K 1/16W	[M]
R859	ERJ3GEYJ102V	1K 1/16W	[M]
R860	ERJ3GEYJ102V	1K 1/16W	[M]
R861	ERJ3GEYJ102V	1K 1/16W	[M]
R862	ERJ3GEYJ182V	1.8K 1/16W	[M]
R863	ERJ3GEYJ182V	1.8K 1/16W	[M]
R864	ERJ3GEYJ182V	1.8K 1/16W	[M]
R865	D0GB101JA002	100 1/16W	[M]
R866	D0GB101JA002	100 1/16W	[M]
R867	D0GB101JA002	100 1/16W	[M]
R868	D0GB101JA002	100 1/16W	[M]
R869	ERJ3GEYJ102V	1K 1/16W	[M]
R870	ERJ3GEYJ472V	4.7K 1/16W	[M]
R871	ERJ3GEYJ102V	1K 1/16W	[M]
R872	ERJ3GEYJ102V	1K 1/16W	[M]
R873	ERJ3GEYJ102V	1K 1/16W	[M]
R874	ERJ3GEYJ472V	4.7K 1/16W	[M]
R875	ERJ3GEYJ102V	1K 1/16W	[M]
R876	ERJ3GEYJ472V	4.7K 1/16W	[M]
R877	ERJ3GEYJ102V	1K 1/16W	[M]
R878	ERJ3GEYJ472V	4.7K 1/16W	[M]
R879	D0GB101JA002	100 1/16W	[M]
R880	D0GB101JA002	100 1/16W	[M]
R881	D0GB101JA002	100 1/16W	[M]
R882	ERJ3GEYJ103V	10K 1/16W	[M]
R883			

	ERJ3GEYJ103V	10K 1/16W	[M]
R884	ERJ3GEYJ103V	10K 1/16W	[M]
R885	ERJ3GEYJ103V	10K 1/16W	[M]
R886	ERJ3GEYJ103V	10K 1/16W	[M]
R887	ERJ3GEYJ103V	10K 1/16W	[M]
R888	ERJ3GEYJ103V	10K 1/16W	[M]
R889	ERJ3GEYJ472V	4.7K 1/16W	[M]
R890	ERJ3GEYJ472V	4.7K 1/16W	[M]
R891	ERJ3GEYJ102V	1K 1/16W	[M]
R892	ERJ3GEY0R00V	0 1/16W	[M]
R893	ERJ3GEYJ472V	4.7K 1/16W	[M]
R894	ERJ3GEY0R00V	0 1/16W	[M]
R895	ERJ3GEYJ473V	47K 1/16W	[M]
R897	D0GB101JA002	100 1/16W	[M]
R898	ERJ3GEY0R00V	0 1/16W	[M]
R899	ERJ3GEY0R00V	0 1/16W	[M]
R901	ERDS2TJ331T	330 1/4W	[M]
R902	ERDS2TJ331T	330 1/4W	[M]
R903	ERDS2TJ102T	1K 1/4W	[M]
R904	ERDS2TJ102T	1K 1/4W	[M]
R905	ERDS2TJ471T	470 1/4W	[M]
R906	ERDS2TJ102T	1K 1/4W	[M]
R907	ERDS2TJ102T	1K 1/4W	[M]
R908	ERDS2TJ472T	4.7K 1/4W	[M]
R909	ERDS2TJ101T	100 1/4W	[M]
R910	ERDS2TJ102T	1K 1/4W	[M]
R911	ERDS2TJ102T	1K 1/4W	[M]
R912	ERDS2TJ122T	1.2K 1/4W	[M]
R913	ERDS2TJ182T	1.8K 1/4W	[M]
R914	ERDS2TJ102T	1K 1/4W	[M]
R915	ERDS2TJ102T	1K 1/4W	[M]
R916	ERDS2TJ122T	1.2K 1/4W	[M]
R917	ERDS2TJ182T	1.8K 1/4W	[M]
R918	ERDS2TJ222T	2.2K 1/4W	[M]
R919	ERDS2TJ272T	2.7K 1/4W	[M]
R920	ERDS2TJ222T	2.2K 1/4W	[M]
R921			

	ERDS2TJ2R2T	2.2 1/4W	[M]
R922	ERDS2TJ221T	220 1/4W	[M]
R923	ERDS2TJ271T	270 1/4W	[M]
R924	ERDS2TJ271T	270 1/4W	[M]
R925	ERDS2TJ271T	270 1/4W	[M]
R926	ERDS2TJ101T	100 1/4W	[M]
R927	ERDS2TJ101T	100 1/4W	[M]
R928	ERDS2TJ223T	22K 1/4W	[M]
R929	ERDS2TJ223T	22K 1/4W	[M]
R930	ERDS2TJ153T	15K 1/4W	[M]
R931	ERDS2TJ472T	4.7K 1/4W	[M]
R932	ERDS2TJ103T	10K 1/4W	[M]
R933	ERDS2TJ102T	1K 1/4W	[M]
R934	ERDS2TJ223T	22K 1/4W	[M]
R935	ERDS2TJ823T	82K 1/4W	[M]
R936	ERDS1FVJ390T	39 1/2W	[M]
R937	ERDS2TJ222T	2.2K 1/4W	[M]
R938	ERDS2TJ474T	470K 1/4W	[M]
R939	ERDS2TJ472T	4.7K 1/4W	[M]
R940	ERDS2TJ822T	8.2K 1/4W	[M]
R941	ERDS2TJ681T	680 1/4W	[M]
R942	ERDS2TJ681T	680 1/4W	[M]
R943	ERDS2TJ103T	10K 1/4W	[M]
R944	ERDS2TJ100T	10 1/4W	[M]
R945	ERDS2TJ100T	10 1/4W	[M]
R946	ERDS1FVJ390T	39 1/2W	[M]
R947	ERDS2TJ474T	470K 1/4W	[M]
R948	ERDS2TJ103T	10K 1/4W	[M]
R949	ERDS2TJ102T	1K 1/4W	[M]
R950	ERDS2TJ122T	1.2K 1/4W	[M]
R950	ERDS2TJ183T	18K 1/4W	[M]
R951	ERDS2TJ152T	1.5K 1/4W	[M]
R952	ERDS1FVJ220T	22 1/2W	[M]
R952	ERDS2TJ821T	820 1/4W	[M]
R953	ERDS1FVJ180T	18 1/2W	[M]
R953	ERDS2TJ393T	39K 1/4W	[M]
R954			



	ERDS1FVJ120T	12 1/2W	[M]
R957	ERDS2TJ151T	150 1/4W	[M]
R958	ERD2FCVJ4R7T	4.7 1/4W	[M]
R959	ERDS2TJ472T	4.7K 1/4W	[M]
R960	ERDS2TJ332T	3.3K 1/4W	[M]
R962	ERDS2TJ824T	820K 1/4W	[M]
R970	ERDS1FVJ100T	10 1/2W	[M]
R971	ERDS1FVJ100T	10 1/2W	[M]
R972	ERDS2TJ821T	820 1/4W	[M]
R973	ERDS2TJ393T	39K 1/4W	[M]
R976	ERDS2TJ184T	180K 1/4W	[M]
R977	ERDS2TJ683T	68K 1/4W	[M]
R980	ERDS1FVJ100T	10 1/2W	[M]
R981	ERDS1FVJ100T	10 1/2W	[M]
R982	ERDS2TJ393T	39K 1/4W	[M]
R983	ERDS2TJ393T	39K 1/4W	[M]
R984	ERDS2TJ103T	10K 1/4W	[M]
R985	ERDS2TJ103T	10K 1/4W	[M]
R986	ERDS2TJ394T	390K 1/4W	[M]
R987	ERDS2TJ104T	100K 1/4W	[M]
R988	ERDS2TJ394T	390K 1/4W	[M]
R989	ERDS2TJ394T	390K 1/4W	[M]
R990	ERDS1FVJ100T	10 1/2W	[M]
R991	ERDS1FVJ100T	10 1/2W	[M]
R992	ERDS2TJ393T	39K 1/4W	[M]
R993	ERDS2TJ393T	39K 1/4W	[M]
R994	ERDS2TJ103T	10K 1/4W	[M]
R995	ERDS2TJ103T	10K 1/4W	[M]
R996	ERDS2TJ104T	100K 1/4W	[M]
R997	ERDS2TJ184T	180K 1/4W	[M]
R998	ERDS2TJ394T	390K 1/4W	[M]
R999	ERDS2TJ394T	390K 1/4W	[M]
R1000	D0GB562JA002	5.6K 1/16W	[M]
R1001	D0GB101JA002	100 1/16W	[M] 
R1001	D0GB1R0JA002	1 1/16W	[M]
R1002	D0GB101JA002	100 1/16W	[M]

R1003	D0GB101JA002	100 1/16W	[M]
R1003	ERJ3GEYJ103V	10K 1/16W	[M]
R1004	D0GB152JA002	1.5K 1/16W	[M]
R1004	ERJ3GEYJ103V	10K 1/16W	[M]
R1005	ERJ3GEYD750V	75 1/16W	[M]
R1005	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1006	ERJ3GEYJ102V	1K 1/16W	[M]
R1006	ERJ3GEYJ103V	10K 1/16W	[M]
R1007	ERD25FVJ4R7T	4.7 1/4W	[M]
R1007	ERJ3GEYD562V	5.6K 1/16W	[M]
R1008	ERJ3GEYJ103V	10K 1/16W	[M]
R1008	ERJ3GEYJ223V	22K 1/16W	[M]
R1009	D0GB183JA002	18K 1/16W	[M]
R1009	ERJ3GEYD912V	9.1K 1/16W	[M]
R1010	D0GB183JA002	18K 1/16W	[M]
R1010	ERJ3GEYJ103V	10K 1/16W	[M]
R1011	ERJ3GEYJ103V	10K 1/16W	[M]
R1012	ERJ3GEYD332V	3.3K 1/16W	[M]
R1012	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1013	ERJ3GEYD750V	75 1/16W	[M]
R1013	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1014	ERJ3GEYD750V	75 1/16W	[M]
R1014	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1015	ERJ3GEYJ470V	47 1/16W	[M]
R1016	ERJ3GEYJ470V	47 1/16W	[M]
R1017	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1018	D0GB392JA002	3.9K 1/16W	[M]
R1019	D0GB392JA002	3.9K 1/16W	[M]
R1020	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1020	ERJ3GEYJ470V	47 1/16W	[M]
R1021	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1022	ERJ3GEYJ103V	10K 1/16W	[M]
R1024	D0GB563JA002	56K 1/16W	[M]
R1026	ERJ3GEYJ102V	1K 1/16W	[M]
R1027	ERJ3GEYJ104V	100K 1/16W	[M]
R1028	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1029			

	D0GB475JA008	4.7M 1/16W	[M]
R1030	D0GB101JA002	100 1/16W	[M]
R1031	D0GB273JA002	27K 1/16W	[M]
R1032	ERJ3GEYJ103V	10K 1/16W	[M]
R1035	ERJ3GEYJ103V	10K 1/16W	[M]
R1036	ERJ3GEYJ470V	47 1/16W	[M]
R1037	ERJ3GEYJ104V	100K 1/16W	[M]
R1038	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1039	ERJ3GEYJ153V	15K 1/16W	[M]
R1040	D0GB563JA002	56K 1/16W	[M]
R1045	ERJ3GEYJ104V	100K 1/16W	[M]
R1046	ERJ3GEYJ104V	100K 1/16W	[M]
R1047	ERJ3GEYJ102V	1K 1/16W	[M]
R1048	ERJ3GEYJ102V	1K 1/16W	[M]
R1049	D0GB105JA002	1M 1/16W	[M]
R1050	D0GB105JA002	1M 1/16W	[M]
R1051	ERJ3GEYJ221V	220 1/16W	[M]
R1052	ERJ3GEYJ221V	220 1/16W	[M]
R1053	ERJ3GEYJ681V	680 1/16W	[M]
R1054	ERJ3GEYJ681V	680 1/16W	[M]
R1055	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1056	ERJ3GEYJ221V	220 1/16W	[M]
R1057	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1058	D0GB272JA002	2.7K 1/16W	[M]
R1059	ERJ3GEYJ103V	10K 1/16W	[M]
R1060	ERJ3GEYJ391V	390 1/16W	[M]
R1061	D0GB2R7JA019	2.7 1/16W	[M]
R1062	D0GB2R7JA019	2.7 1/16W	[M]
R1063	ERJ3GEYJ102V	1K 1/16W	[M]
R1064	ERJ3GEYJ102V	1K 1/16W	[M]
R1065	ERJ3GEYJ102V	1K 1/16W	[M]
R1066	ERJ3GEYJ102V	1K 1/16W	[M]
R1075	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1076	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1079	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1080	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1084			

	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1085	ERJ3GEYJ473V	47K 1/16W	[M]
R1086	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1087	ERJ3GEYJ473V	47K 1/16W	[M]
R1088	ERJ3GEYJ223V	22K 1/16W	[M]
R1089	ERJ3GEYJ223V	22K 1/16W	[M]
R1090	ERJ3GEYJ221V	220 1/16W	[M]
R1091	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1092	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1093	ERJ3GEYJ102V	1K 1/16W	[M]
R1094	ERJ3GEYJ102V	1K 1/16W	[M]
R1095	ERJ3GEYJ104V	100K 1/16W	[M]
R1096	ERJ3GEYJ104V	100K 1/16W	[M]
R1097	ERJ3GEYJ103V	10K 1/16W	[M]
R1098	ERJ3GEYJ103V	10K 1/16W	[M]
R1099	ERJ6GEY0R00V	0 1/10W	[M]
R1100	ERJ6GEY0R00V	0 1/10W	[M]
R1101	ERJ6GEY0R00V	0 1/10W	[M]
R1102	ERJ6GEY0R00V	0 1/10W	[M]
R1103	ERJ6GEY0R00V	0 1/10W	[M]
R1104	ERJ6GEY0R00V	0 1/10W	[M]
R1105	ERJ6GEY0R00V	0 1/10W	[M]
		CAPACITORS	
C1	ECBT1H5R6KC5	5.6P 50V	[M]
C1	ECEA1CKA101B	100 16V	[M]
C2	ECBT1E103ZF5	0.01 25V	[M]
C2	RCBS1H102KBY	1000P 50V	[M]
C3	ECBT1H2R2KC5	2.2P 50V	[M]
C4	ECBT1H181KB5	180P 50V	[M]
C5	ECBT1H5R6KC5	5.6P 50V	[M]
C6	ECBT1H3R3KC5	3.3P 50V	[M]
C7	ECBT1H4R7KC5	4.7P 50V	[M]
C8	ECBT1H3R3KC5	3.3P 50V	[M]
C9	ECBT1H2R2KC5	2.2P 50V	[M]
C10			

	ECBT1H180JC5	18P 50V	[M]
C11	RCBS1H102KBY	1000P 50V	[M]
C101	ECJ1VB1E103K	0.01 25V	[M]
C102	ECEA1CKA100B	10 16V	[M]
C103	ECJ1VB1E103K	0.01 25V	[M]
C104	ECJ1VB1H102K	1000P 50V	[M]
C106	ECJ1VB1E103K	0.01 25V	[M]
C107	F1H1E473A075	0.047 25V	[M]
C108	F1H1H8R0A787	8P 50V	[M]
C109	ECJ1VB1H102K	1000P 50V	[M]
C110	ECJ1VB1E103K	0.01 25V	[M]
C111	ECEA1HKA4R7B	4.7 50V	[M]
C112	ECJ1VB1E103K	0.01 25V	[M]
C113	ECJ1VB1H102K	1000P 50V	[M]
C114	ECEA1HKA3R3B	3.3 50V	[M]
C115	ECEA1HKA4R7B	4.7 50V	[M]
C116	ECUV1C333KBV	0.033 16V	[M]
C117	ECJ1VB1E103K	0.01 25V	[M]
C118	ECJ1VB1E103K	0.01 25V	[M]
C119	F0A2A681A010	680P 100V	[M]
C120	ECEA1CKA100B	10 16V	[M]
C121	ECEA1HKAR47B	0.47 50V	[M]
C122	ECEA1HKA010B	1 50V	[M]
C123	ECEA1HKA010B	1 50V	[M]
C124	ECJ1VC1H101K	100P 50V	[M]
C125	ECEA1CKA220B	22 16V	[M]
C126	ECUV1C105ZFN	1 16V	[M]
C127	ECEA1CKA220B	22 16V	[M]
C129	ECEA0JKA101B	100 6.3V	[M]
C130	ECEA0JKA101B	100 6.3V	[M]
C131	ECJ1VC1H151J	150P 50V	[M]
C132	ECJ1VB1H102K	1000P 50V	[M]
C133	ECJ1VC1H270J	27P 50V	[M]
C134	ECJ1VC1H270J	27P 50V	[M]
C136	ECJ1VB1H102K	1000P 50V	[M]
C137	ECJ1VB1H332K	3300P 50V	[M]
C138			

	ECJ1VB1E103K	0.01 25V	[M]
C139	ECEA1HKA4R7B	4.7 50V	[M]
C141	ECEA1HKA010B	1 50V	[M]
C142	ECEA1HKA010B	1 50V	[M]
C143	ECJ1VB1H682K	6800P 50V	[M]
C144	ECJ1VB1H682K	6800P 50V	[M]
C147	ECJ1VB1H102K	1000P 50V	[M]
C148	ECJ1VB1E103K	0.01 25V	[M]
C149	ECUV1C104ZV	0.1 16V	[M]
C201	ECJ1VB1H681K	680P 50V	[M]
C202	ECJ1VC1H101K	100P 50V	[M]
C203	ECJ1VB1H222K	2200P 50V	[M]
C204	ECEA1CKA100B	10 16V	[M]
C205	ECEA1HKA010B	1 50V	[M]
C206	ECEA1HKA010B	1 50V	[M]
C207	ECEA1HKAR22B	0.22 50V	[M]
C209	ECEA1HKA2R2B	2.2 50V	[M]
C210	ECEA1HKA2R2B	2.2 50V	[M]
C211	ECEA1HKA2R2B	2.2 50V	[M]
C212	ECEA1HKA4R7B	4.7 50V	[M]
C213	ECEA1HKA010B	1 50V	[M]
C214	ECEA1CKA100B	10 16V	[M]
C215	ECUV1C104KBV	0.1 16V	[M]
C216	ECEA1HKAR33B	0.33 50V	[M]
C217	ECEA1HKAR33B	0.33 50V	[M]
C218	ECUV1C104KBV	0.1 16V	[M]
C219	ECUV1C104KBV	0.1 16V	[M]
C220	ECJ1VB1H182K	1800P 50V	[M]
C221	ECEA1HKA2R2B	2.2 50V	[M]
C222	ECEA1CKA100B	10 16V	[M]
C223	ECEA1HKA010B	1 50V	[M]
C224	F1H1C683A075	0.068 16V	[M]
C225	ECJ1VB1H222K	2200P 50V	[M]
C226	ECEA1HKAR68B	0.68 50V	[M]
C227	ECJ1VC1H101K	100P 50V	[M]
C228	ECJ1VC1H470J	47P 50V	[M]
C229			

	ECEA1CKA100B	10 16V	[M]
C230	ECEA1CKA100B	10 16V	[M]
C232	ECEA1HKAR22B	0.22 50V	[M]
C233	ECJ1VB1H102K	1000P 50V	[M]
C235	ECJ1VC1H101K	100P 50V	[M]
C237	ECEA1CKA100B	10 16V	[M]
C238	ECJ1VC1H101K	100P 50V	[M]
C239	ECJ1VC1H470J	47P 50V	[M]
C240	F1H1A2240004	0.22 10V	[M]
C241	F1H1C393A089	0.039 16V	[M]
C242	ECJ1VB1H682K	6800P 50V	[M]
C243	ECJ1VC1H101K	100P 50V	[M]
C244	ECJ1VC1H470J	47P 50V	[M]
C245	ECJ1VC1H101K	100P 50V	[M]
C246	ECEA1HKA3R3B	3.3 50V	[M]
C247	ECEA1HKA3R3B	3.3 50V	[M]
C248	ECJ1VC1H470J	47P 50V	[M]
C249	ECJ1VC1H101K	100P 50V	[M]
C250	ECEA1CKA100B	10 16V	[M]
C251	ECJ1VB1H681K	680P 50V	[M]
C252	ECEA1CKA100B	10 16V	[M]
C253	ECJ1VB1H103K	0.01 50V	[M]
C254	ECEA1CKA100B	10 16V	[M]
C256	ECEA1CKA100B	10 16V	[M]
C258	ECEA1CKA100B	10 16V	[M]
C259	F1H1A2240004	0.22 10V	[M]
C260	F1H1A2240004	0.22 10V	[M]
C261	RCE1HKN100BG	10P 50V	[M]
C265	ECEA1CKA100B	10 16V	[M]
C301	ECEA1HKA010B	1 50V	[M]
C303	ECJ1VB1H102K	1000P 50V	[M]
C304	ECJ1VB1E103K	0.01 25V	[M]
C305	ECEA1CKA100B	10 16V	[M]
C306	ECEA1CKA100B	10 16V	[M]
C307	ECJ1VC1H101K	100P 50V	[M]
C308	ECJ1VC1H101K	100P 50V	[M]
C309			

	ECEA1AM221B	220 10V	[M]
C310	ECEA1HKN010B	1 50V	[M]
C311	ECEA1CKA330B	33 16V	[M]
C312	ECJ1VB1E103K	0.01 25V	[M]
C313	ECJ1VB1E103K	0.01 25V	[M]
C314	ECEA1HKN4R7B	4.7 50V	[M]
C315	ECJ1VB1E103K	0.01 25V	[M]
C316	ECJ1VC1H101K	100P 50V	[M]
C317	ECJ1VC1H470J	47 50V	[M]
C318	ECJ1VB1E103K	0.01 25V	[M]
C319	ECJ1VB1E103K	0.01 25V	[M]
C320	ECJ1VF1C474Z	0.47 16V	[M]
C321	ECUV1C104KBV	0.1 16V	[M]
C322	ECEA1HKA0R1B	0.1 50V	[M]
C323	ECJ1VC1H101K	100P 50V	[M]
C324	ECJ1VC1H470J	47P 50V	[M]
C325	ECJ1VB1E103K	0.01 25V	[M]
C326	ECEA1HKA010B	1 50V	[M]
C327	ECEA1AKN100B	10 10V	[M]
C328	ECJ1VB1E103K	0.01 25V	[M]
C329	ECEA1CKA101B	100 16V	[M]
C330	ECEA1HKA010B	1 50V	[M]
C331	ECEA1HKA010B	1 50V	[M]
C332	ECEA1CKA220B	22 16V	[M]
C333	ECKR1H102ZF5	1000P 50V	[M]
C334	F1H1C683A075	0.068 16V	[M]
C335	F1H1H392A022	3900P 50V	[M]
C336	ECJ1VB1E103K	0.01 25V	[M]
C337	ECEA1CKA100B	10 16V	[M]
C339	ECEA1HKA010B	1 50V	[M]
C340	ECEA1HKA010B	1 50V	[M]
C341	ECJ1VB1E103K	0.01 25V	[M]
C342	ECJ1VB1E103K	0.01 25V	[M]
C370	ECJ1VB1E103K	0.01 25V	[M]
C371	ECUV1C104KBV	0.1 16V	[M]
C372	ECEA1CM221B	220 16V	[M]
C373			



	RCE1HKN100BG	10P 50V	[M]
C374	ECJ1VB1E103K	0.01 25V	[M]
C375	ECA1HM101B	100 50V	[M]
C376	ECJ1VB1E103K	0.01 25V	[M]
C377	ECJ1VB1E103K	0.01 25V	[M]
C378	ECEA1CKA100B	10 16V	[M]
C379	ECUV1C104KBV	0.1 16V	[M]
C380	ECEA1CM221B	220 16V	[M]
C381	ECJ1VB1E103K	0.01 25V	[M]
C382	ECJ1VB1E103K	0.01 25V	[M]
C383	RCE1HKN100BG	10P 50V	[M]
C384	ECEA1CKA100B	10 16V	[M]
C385	ECA1HM101B	100 50V	[M]
C386	ECA1HM470B	47 50V	[M]
C401	ECJ1VB1H681K	680P 50V	[M]
C402	ECJ1VC1H101K	100P 50V	[M]
C403	ECJ1VB1H222K	2200P 50V	[M]
C404	ECEA1CKA100B	10 16V	[M]
C405	ECEA1HKA010B	1 50V	[M]
C406	ECEA1HKA010B	1 50V	[M]
C407	ECEA1HKAR22B	0.22 50V	[M]
C409	ECEA1HKA2R2B	2.2 50V	[M]
C410	ECEA1HKA2R2B	2.2 50V	[M]
C411	ECEA1HKA2R2B	2.2 50V	[M]
C412	ECEA1HKA4R7B	4.7 50V	[M]
C413	ECEA1HKA010B	1 50V	[M]
C414	ECEA1CKA100B	10 16V	[M]
C415	ECUV1C104KBV	0.1 16V	[M]
C416	ECEA1HKAR33B	0.33 50V	[M]
C417	ECEA1HKAR33B	0.33 50V	[M]
C418	ECUV1C104KBV	0.1 16V	[M]
C419	ECUV1C104KBV	0.1 16V	[M]
C420	ECJ1VB1H182K	1800P 50V	[M]
C421	ECEA1HKA2R2B	2.2 50V	[M]
C422	ECEA1CKA100B	10 16V	[M]
C423	ECEA1HKA010B	1 50V	[M]
C424			

	F1H1C683A075	0.068 16V	[M]
C425	ECJ1VB1H222K	2200P 50V	[M]
C426	ECEA1HKAR68B	0.68 50V	[M]
C427	ECJ1VC1H101K	100P 50V	[M]
C428	ECJ1VC1H470J	47P 50V	[M]
C429	ECEA1CKA100B	10 16V	[M]
C430	ECEA1CKA100B	10 16V	[M]
C432	ECEA1HKAR22B	0.22 50V	[M]
C433	ECJ1VB1H102K	1000P 50V	[M]
C435	ECJ1VC1H101K	100P 50V	[M]
C438	ECJ1VC1H101K	100P 50V	[M]
C439	ECJ1VC1H470J	47P 50V	[M]
C440	F1H1A2240004	0.22 10V	[M]
C441	F1H1C393A089	0.039 16V	[M]
C442	ECJ1VB1H682K	6800P 50V	[M]
C443	ECJ1VC1H101K	100P 50V	[M]
C444	ECJ1VC1H470J	47P 50V	[M]
C445	ECJ1VC1H101K	100P 50V	[M]
C446	ECEA1HKA3R3B	3.3 50V	[M]
C447	ECEA1HKA3R3B	3.3 50V	[M]
C448	ECJ1VC1H470J	47P 50V	[M]
C449	ECJ1VC1H101K	100P 50V	[M]
C450	ECEA1CKA100B	10 16V	[M]
C451	ECJ1VB1H681K	680P 50V	[M]
C452	ECEA1CKA100B	10 16V	[M]
C453	ECJ1VB1H103K	0.01 50V	[M]
C455	ECEA1CKA100B	10 16V	[M]
C456	ECEA1CKA100B	10 16V	[M]
C459	F1H1A2240004	0.22 10V	[M]
C460	F1H1A2240004	0.22 10V	[M]
C461	RCE1HKN100BG	10P 50V	[M]
C465	ECEA1CKA100B	10 16V	[M]
C500	ECBT1H821KB5	820P 50V	[M]
C501	ECBT1H821KB5	820P 50V	[M]
C502	ECBT1H821KB5	820P 50V	[M]
C503	ECBT1H821KB5	820P 50V	[M]
C504			

	ECKR1H103ZF5	0.01 50V	[M]
C505	ECKR1H103ZF5	0.01 50V	[M]
C506	ECBT1E103ZF5	0.01 25V	[M]
C507	ECBT1H220JC5	22P 50V	[M]
C508	ECBT1H220JC5	22P 50V	[M]
C509	ECBT1H150JC5	15P 50V	[M]
C510	ECBT1H150JC5	15P 50V	[M]
C511	ECBT1H473ZF5	0.047 50V	[M]
C512	ECBT1H102KB5	1000P 50V	[M]
C517	ECA1CM221B	220 16V	[M]
C519	ECEA1HKA2R2B	2.2 50V	[M]
C520	ECA1EM331B	330 25V	[M]
C521	ECA1HM470B	47 50V	[M]
C522	ECA1HM470B	47 50V	[M]
C523	ECA1HM470B	47 50V	[M]
C524	ECA1HM470B	47 50V	[M]
C525	ECA1HM470B	47 50V	[M]
C526	ECEA0JKA221B	220 6.3V	[M]
C527	ECBT1H102KB5	1000P 50V	[M]
C531	RCE1VFW472BJ	4700P 35V	[M]
C532	F2A1V562A157	5600P 35V	[M]
C533	F2A1V562A157	5600P 35V	[M]
C534	RCE1VFW472BJ	4700P 35V	[M]
C536	ECQV1H184JL3	0.18 50V	[M]
C540	ECKR1H103ZF5	0.01 50V	[M]
C541	ECKR1H103ZF5	0.01 50V	[M]
C542	ECBT1H103KB5	0.01 50V	[M]
C543	ECEA1HKA2R2B	2.2 50V	[M]
C544	ECA0JM471B	470 6.3V	[M]
C580	ECBT1H821KB5	820P 50V	[M]
C581	ECBT1H821KB5	820P 50V	[M]
C582	ECKR1H103ZF5	0.01 50V	[M]
C583	ECKR1H103ZF5	0.01 50V	[M]
C584	ECBT1H150JC5	15P 50V	[M]
C585	ECBT1H150JC5	15P 50V	[M]
C586	ECBT1H473ZF5	0.047 50V	[M]
C587			

	ECBT1E103ZF5	0.01 25V	[M]
C588	RCE1VFW472BJ	4700P 35V	[M]
C589	F2A1V562A157	5600P 35V	[M]
C598	F2A1V562A157	5600P 35V	[M]
C599	RCE1VFW472BJ	4700P 35V	[M]
C600	ECEA0JKA101B	100 6.3V	[M]
C601	ECBT1H104ZF5	0.1 50V	[M]
C603	ECBT1H331KB5	330P 50V	[M]
C604	RCE1AM102B	1000P 10V	[M]
C605	ECBT1H102KB5	1000P 50V	[M]
C606	ECBT1H561KB5	560P 50V	[M]
C607	ECBT1H561KB5	560P 50V	[M]
C608	ECBT1H561KB5	560P 50V	[M]
C609	ECBT1H561KB5	560P 50V	[M]
C610	ECBT1H561KB5	560P 50V	[M]
C611	ECBT1H561KB5	560P 50V	[M]
C612	ECBT1H561KB5	560P 50V	[M]
C613	ECBT1H561KB5	560P 50V	[M]
C615	ECBT1E103ZF5	0.01 25V	[M]
C616	ECEA1AKA220B	22 10V	[M]
C617	ECBT1H103KB5	0.01 50V	[M]
C618	ECBT1H103KB5	0.01 50V	[M]
C619	ECBT1E103ZF5	0.01 25V	[M]
C620	ECBT1H680J5	68P 50V	[M]
C621	ECBT1H680J5	68P 50V	[M]
C622	ECBT1H150JC5	15P 50V	[M]
C623	ECBT1H180JC5	18P 50V	[M]
C624	ECBT1H560J5	56P 50V	[M]
C625	ECBT1H102KB5	1000P 50V	[M]
C626	ECBT1H560J5	56P 50V	[M]
C627	ECBT1H102KB5	1000P 50V	[M]
C628	ECBT1E223ZF5	0.022 25V	[M]
C629	ECBT1H331KB5	330P 50V	[M]
C630	ECBT1H101KB5	100P 50V	[M]
C631	ECEA1HKA010B	1 50V	[M]
C632	ECEA1HKA2R2B	2.2 50V	[M]
C633			



	ECBT1H101KB5	100P 50V	[M]
C634	ECBT1H101KB5	100P 50V	[M]
C635	ECBT1H104ZF5	0.1 50V	[M]
C636	ECBT1H101KB5	100P 50V	[M]
C639	ECEA1HKA3R3B	3.3 50V	[M]
C640	ECEA1VKA220B	22 35V	[M]
C641	ECEA1VKA220B	22 35V	[M]
C646	ECBT1H330J5	33P 50V	[M]
C647	ECBT1H330J5	33P 50V	[M]
C649	ECBT1H331KB5	330P 50V	[M]
C653	ECBT1H101KB5	100P 50V	[M]
C654	ECBT1H101KB5	100P 50V	[M]
C655	ECBT1H102KB5	1000P 50V	[M]
C656	ECBT1E103ZF5	0.01 25V	[M]
C657	ECKR1H103ZF5	0.01 50V	[M]
C658	ECEA1VKA4R7B	4.7 35V	[M]
C659	ECBT1E223ZF5	0.022 25V	[M]
C660	ECBT1E103ZF5	0.01 25V	[M]
C661	ECEA1HKAR33B	0.33 50V	[M]
C662	ECBT1H473ZF5	0.047 50V	[M]
C663	ECEA1HKA010B	1 50V	[M]
C664	ECBT1H102KB5	1000P 50V	[M]
C665	ECBT1H101KB5	100P 50V	[M]
C666	ECBT1H102KB5	1000P 50V	[M]
C667	ECEA1AKA101B	100 10V	[M]
C669	ECEA0JKA470B	47 6.3V	[M]
C670	F1D1H473A012	0.047 50V	[M]
C671	ECBT1E223ZF5	0.022 25V	[M]
C672	ECBT1E223ZF5	0.022 25V	[M]
C673	ECA1CM221B	220 16V	[M]
C701	ECEA0JKA330I	33 6.3V	[M]
C702	ECUVNC104KBV	0.1 16V	[M]
C703	ECEA0JKA101I	100 6.3V	[M]
C704	ECUVNC104KBV	0.1 16V	[M]
C706	ECJ1VB1H272K	2700P 50V	[M]
C707	F1H1E273A074	0.027 25V	[M]
C710			

	F1H1H121A755	120P 50V	[M]
C711	ECJ1VB1C103K	0.01 16V	[M]
C712	ECJ1VB1C103K	0.01 16V	[M]
C713	ECUVNC104KBV	0.1 16V	[M]
C714	ECEA0JKA101I	100 6.3V	[M]
C715	ECUV1C224KBV	0.22 16V	[M]
C716	ECJ1VB1H102K	1000P 50V	[M]
C717	ECUVNC104ZFV	0.1 16V	[M]
C718	ECUV1A124KBV	0.12 10V	[M]
C721	ECJ1VC1H120J	12P 50V	[M]
C722	ECJ1VC1H120J	12P 50V	[M]
C723	ECEA0JKA221I	220 6.3V	[M]
C724	ECUVNC104KBV	0.1 16V	[M]
C725	ECJ1VB1H102K	1000P 50V	[M]
C726	ECJ1VB1H102K	1000P 50V	[M]
C727	ECA1HAK010XI	1 50V	[M]
C728	ECA1HAK010XI	1 50V	[M]
C729	ECUVNC104KBV	0.1 16V	[M]
C730	ECUVNC104ZFV	0.1 16V	[M]
C731	ECEA0JKA221I	220 6.3V	[M]
C733	ECUVNC104KBV	0.1 16V	[M]
C734	ECEA1AKA221I	220 10V	[M]
C735	ECUVNC104ZFV	0.1 16V	[M]
C736	ECUVNC104ZFV	0.1 16V	[M]
C737	ECUVNC104ZFV	0.1 16V	[M]
C738	F1H1C473A088	0.047 16V	[M]
C739	ECJ1VB1H103K	0.01 50V	[M]
C740	ECUVNC104KBV	0.1 16V	[M]
C741	ECJ1VB1H102K	1000P 50V	[M]
C742	F1H1E273A074	0.027 25V	[M]
C743	ECUVNC104ZFV	0.1 16V	[M]
C744	F1H1H223A761	0.022 50V	[M]
C746	ECUVNC104KBV	0.1 16V	[M]
C747	F1H1H181A797	180P 50V	[M]
C748	ECUVNC104KBV	0.1 16V	[M]
C749	ECJ1VB1H222K	2200P 50V	[M]
C750			

	ECUVNC104KBV	0.1 16V	[M]
C751	ECUVNC104KBV	0.1 16V	[M]
C752	ECJ1VB1H103K	0.01 50V	[M]
C753	ECJ1VB1H471K	470P 50V	[M]
C755	ECUVNC104KBV	0.1 16V	[M]
C756	ECEA1HKA4R7I	4.7 50V	[M]
C757	ECEA1HKA4R7I	4.7 50V	[M]
C758	ECUVNC104KBV	0.1 16V	[M]
C770	ECUVNC104KBV	0.1 16V	[M]
C780	ECUVNC104KBV	0.1 16V	[M]
C781	ECUVNC104KBV	0.1 16V	[M]
C782	ECUVNC104KBV	0.1 16V	[M]
C800	ECJ1VC1H100J	10P 50V	[M]
C801	F1H1H223A761	0.022 50V	[M]
C802	F1H1H331A022	330P 50V	[M]
C803	ECJ1VB1E103K	0.01 25V	[M]
C804	ECJ1VC1H100J	10P 50V	[M]
C805	ECJ1VC1H100J	10P 50V	[M]
C806	ECJ1VC1H100J	10P 50V	[M]
C807	ECJ1VC1H330J	33P 50V	[M]
C808	ECJ1VC1H330J	33P 50V	[M]
C809	ECUV1C104KBV	0.1 16V	[M]
C810	ECEA0JKA101B	100 6.3V	[M]
C811	ECUV1C104KBV	0.1 16V	[M]
C812	ECJ1VB1E103K	0.01 25V	[M]
C813	ECEA0JKA101B	100 6.3V	[M]
C814	ECJ1VB1H102K	1000P 50V	[M]
C815	ECEA0JKA101B	100 6.3V	[M]
C816	ECJ1VB1H102K	1000P 50V	[M]
C817	ECEA0JKA101B	100 6.3V	[M]
C818	ECJ1VB1H102K	1000P 50V	[M]
C819	ECEA0JKA101B	100 6.3V	[M]
C820	ECJ1VB1H102K	1000P 50V	[M]
C821	ECEA1AKA101B	100 10V	[M]
C822	ECEA0JKA101B	100 6.3V	[M]
C823	ECUV1C104KBV	0.1 16V	[M]
C826			

	ECJ1VB1H471K	470P 50V	[M]
C830	ECEA0JKA221B	220 6.3V	[M]
C831	ECEA1AKA101B	100 10V	[M]
C832	ECEA1AKA101B	100 10V	[M]
C833	EEUFC1A681LB	680P 10V	[M]
C834	ECA1HM101B	100 50V	[M]
C835	F1H1A2240004	0.22 10V	[M]
C902	ECEA1HKA010B	1 50V	[M]
C903	ECEA1HKA010B	1 50V	[M]
C904	ECBT1C332KR5	3300P 16V	[M]
C905	ECEA1HKAR47B	0.47 50V	[M]
C906	ECBT0J153MS5	0.015 6.3V	[M]
C907	ECFR1C333MR	0.033 16V	[M]
C908	ECEA1CKA220B	22 16V	[M]
C910	ECBT0J153MS5	0.015 6.3V	[M]
C911	ECBT1C472KR5	4700P 16V	[M]
C912	ECFR1C333MR	0.033 16V	[M]
C913	ECBT1E103ZF5	0.01 25V	[M]
C914	ECBT1H151KB5	150P 50V	[M]
C916	ECEA1HKA4R7B	4.7 50V	[M]
C917	ECBT1H102KB5	1000P 50V	[M]
C918	ECEA1HKA3R3B	3.3 50V	[M]
C919	ECBT1H471KB5	470P 50V	[M]
C920	ECBT1H683KB5	0.068 50V	[M]
C921	ECBT1H683KB5	0.068 50V	[M]
C922	ECBT1H683KB5	0.068 50V	[M]
C923	ECEA1AKA101B	100 10V	[M]
C950	ECA1HM101B	100 50V	[M]
C951	ECQE1104KF3	0.1 100V	[M]
C952	ECQE1104KF3	0.1 100V	[M]
C953	ECKR2H103ZF5	0.01 500V	[M]
C954	F2A1E222A172	2200P 25V	[M]
C955	ECA1JM101B	100 63V	[M]
C956	ECKR1H103MD5	0.01 50V	[M]
C957	ECA2AM100B	10 100V	[M]
C958	ECKR1H103ZF5	0.01 50V	[M]
C959			



	RCA1CM102BT	1000P 16V	[M]
C960	RCA1CM102BT	1000P 16V	[M]
C961	ECKR1H102ZF5	1000P 50V	[M]
C962	ECKR1H103MD5	0.01 50V	[M]
C963	ECEA1AKA470B	47 10V	[M]
C970	F1D1H473A012	0.047 50V	[M]
C971	F1D1H473A012	0.047 50V	[M]
C980	F1D1H473A012	0.047 50V	[M]
C981	F1D1H473A012	0.047 50V	[M]
C990	F1D1H473A012	0.047 50V	[M]
C991	F1D1H473A012	0.047 50V	[M]
C1000	ECJ1VC1H100D	10P 50V	[M] 
C1001	ECJ1VC1H100D	10P 50V	[M] 
C1001	F1H1H103A753	0.01 50V	[M]
C1002	ECEA1HKN2R2B	2.2 50V	[M]
C1002	ECUVNC104ZFV	0.1 16V	[M]
C1003	ECQP1152JZT	1500P 100V	[M]
C1003	ECUVNC104ZFV	0.1 16V	[M]
C1004	ECUVNC104ZFV	0.1 16V	[M]
C1005	ECUVNC104ZFV	0.1 16V	[M]
C1006	ECEA1HKA010B	1 50V	[M]
C1006	ECUVNC104ZFV	0.1 16V	[M]
C1007	ECUVNC104ZFV	0.1 16V	[M]
C1007	F0A2A472A015	4700P 100V	[M]
C1008	ECEA1HKA010B	1 50V	[M]
C1008	ECUVNC104ZFV	0.1 16V	[M]
C1009	ECEA1CKA470B	47 16V	[M]
C1009	ECUVNC104ZFV	0.1 16V	[M]
C1010	ECA1EM101B	100 25V	[M]
C1010	ECUVNC104ZFV	0.1 16V	[M]
C1011	ECQV1H473JL3	0.047 50V	[M]
C1011	ECUVNC104ZFV	0.1 16V	[M]
C1012	ECJ1VB1H102K	1000P 50V	[M]
C1012	ECUVNC104ZFV	0.1 16V	[M]
C1013	ECJ1VB1H102K	1000P 50V	[M]
C1013	ECJ1VC1H101K	100P 50V	[M]

C1014	ECJ1VB1H102K	1000P 50V	[M]
C1014	ECJ1VC1H151J	150P 50V	[M]
C1015	ECJ1VB1H102K	1000P 50V	[M]
C1015	ECUV1H271KBV	270P 50V	[M]
C1016	ECJ1VB1H222K	2200P 50V	[M]
C1016	ECUVNC104ZFV	0.1 16V	[M]
C1017	ECJ1VB1H222K	2200P 50V	[M]
C1017	ECUVNC104ZFV	0.1 16V	[M]
C1018	ECJ1VB1H103K	0.01 50V	[M]
C1018	F1H1H331A022	330P 50V	[M]
C1019	ECJ1VB1H102K	1000P 50V	[M]
C1019	ECJ1VC1H101K	100P 50V	[M]
C1020	ECJ1VB1H471K	470P 50V	[M]
C1020	ECUVNC104ZFV	0.1 16V	[M]
C1021	ECJ1VB1H471K	470P 50V	[M]
C1021	ECJ1VC1H101K	100P 50V	[M]
C1022	ECJ1VB1H102K	1000P 50V	[M]
C1023	ECJ1VB1H102K	1000P 50V	[M]
C1026	ECEA0JKA470B	47 6.3V	[M]
C1027	ECJ1VB1H102K	1000P 50V	[M]
C1030	ECEA1AKA101B	100 10V	[M]
C1031	ECEA1AKA101B	100 10V	[M]
C1032	F1C1C183A001	0.018 16V	[M]
C1033	F1C1C183A001	0.018 16V	[M]
C1034	ECEA1HKA3R3B	3.3 50V	[M]
C1035	ECEA1HKA3R3B	3.3 50V	[M]
C1036	ECUV1C333KBV	0.033 16V	[M]
C1037	ECEA1HKA3R3B	3.3 50V	[M]
C1038	ECJ1VB1H221K	220P 50V	[M]
C1039	ECJ1VB1H221K	220P 50V	[M]
C1040	ECEA1CKA100B	10 16V	[M]
C1041	ECEA1CKA100B	10 16V	[M]
C1042	ECEA1CKA220B	22 16V	[M]
C1043	ECEA1HKA4R7B	4.7 50V	[M]
C1044	ECEA1AKA330B	33 10V	[M]
C1045	ECEA1AKA220B	22 10V	[M]
C1046			


	ECEA1CKA221B	220 16V	[M]
C1047	ECEA1HKA010B	1 50V	[M]
C1048	ECEA1HKA010B	1 50V	[M]
C1049	ECJ1VB1H102K	1000P 50V	[M]
C1050	ECJ1VB1H102K	1000P 50V	[M]
C1051	ECEA1HKA010B	1 50V	[M]
C1052	ECEA1HKA010B	1 50V	[M]
C1053	ECEA1CKA221B	220 16V	[M]
C1054	ECEA1HKA3R3B	3.3 50V	[M]
C1055	ECEA1HKA0R1B	0.1 50V	[M]
C1059	ECJ1VC1H101K	100P 50V	[M]
C1061	ECJ1VC1H101K	100P 50V	[M]
C1062	ECUV1C104ZV	0.1 16V	[M]
C1064	ECEA1HKA3R3B	3.3 50V	[M]
		CHIP JUMPER	
RJ701	ERJ3GEY0R00V	0 1/16W	[M]
RJ702	ERJ3GEY0R00V	0 1/16W	[M]
RJ703	ERJ3GEY0R00V	0 1/16W	[M]
RJ704	ERJ3GEY0R00V	0 1/16W	[M]
RJ705	ERJ3GEY0R00V	0 1/16W	[M]
RJ706	ERJ3GEY0R00V	0 1/16W	[M]
RJ707	ERJ3GEY0R00V	0 1/16W	[M]
RJ708	ERJ3GEY0R00V	0 1/16W	[M]
RJ709	ERJ3GEY0R00V	0 1/16W	[M]
RJ711	ERJ3GEY0R00V	0 1/16W	[M]
RJ712	ERJ3GEY0R00V	0 1/16W	[M]
RJ713	ERJ3GEY0R00V	0 1/16W	[M]
RJ715	ERJ3GEY0R00V	0 1/16W	[M]
RJ716	ERJ3GEY0R00V	0 1/16W	[M]
RJ717	ERJ3GEY0R00V	0 1/16W	[M]
RJ718	ERJ3GEY0R00V	0 1/16W	[M]
RJ720	ERJ3GEY0R00V	0 1/16W	[M]
RJ721	ERJ3GEY0R00V	0 1/16W	[M]
RJ722	ERJ3GEY0R00V	0 1/16W	[M]
RJ723			

	ERJ3GEY0R00V	0 1/16W	[M]
RJ724	ERJ3GEY0R00V	0 1/16W	[M]
RJ725	ERJ3GEY0R00V	0 1/16W	[M]
RJ726	ERJ3GEY0R00V	0 1/16W	[M]
RJ727	ERJ3GEY0R00V	0 1/16W	[M]
RJ728	ERJ3GEY0R00V	0 1/16W	[M]
RJ729	ERJ3GEY0R00V	0 1/16W	[M]
RJ730	ERJ3GEY0R00V	0 1/16W	[M]
RJ731	ERJ3GEY0R00V	0 1/16W	[M]
RJ732	ERJ3GEY0R00V	0 1/16W	[M]
RJ733	ERJ3GEY0R00V	0 1/16W	[M]

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## 20.5 Packing Materials& Accessories Parts List

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Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
<a href="#">P1</a>	RPGX0955	PACKING CASE	[M]
<a href="#">P2</a>	RPNX0154	POLYFOAM	[M]
<a href="#">P3</a>	RPFX0007	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	N2QAGB000022	REMOTE CONTROL	[M]
A1-1	251200F1F	R/C BATTERY CVOER	[M]
A2	RJA0019-2X	AC CORD	[M] 
A3	RQT6511-1G	O/I BOOK	[M]
A4	RSA0006-J	FM ANTENNA	[M]
A5	N1DADYY00002	AM LOOP ANTENNA	[M]
A6	RJL1P016B15A	VIDEO CABLE	[M]
A7	SJP5213-2	AC CORD ADAPTOR	[M]

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