

JVC

SERVICE MANUAL

CD RECEIVER

XL - G2900 U



COMPACT
disc
DIGITAL AUDIO

DIGIFINE

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1. Precautions

1. Avoid installing in the following places

- Where it would be exposed to direct sunlight or heat directly from the heater or in an extremely hot place.
- Where it would be subject to rain, water splashes or excessively humidity.
- Where it would be subject to dust.

2. Car temperature

To listening to CDs after the car has been parked for a relatively long time in a high or low temperature, wait till the car's temperature stabilizes.

3. Condensation

In the following cases, moisture may condense on the lens, a critical part of the CD player, and the CD player may not operate correctly because the semiconductor laser cannot read the signal.

- When the heater has just been turned on.
- When the humidity is high.

In these cases, unload the CD and wait about 1 or 2 hours with the power switch on.

4. Volume setting

- Compact discs produce very little noise compared with analog records. When the volume control is adjusted by listening to the noise as is done with analog records, the speakers may be damaged by the sudden increase in the output level. Therefore, turn down the volume before operation and adjust it as required during playback.
- Adjust the volume so that you can hear sound outside the car.

WARNING

1. This unit is designed to operate with 12 volts DC, NEGATIVE ground electrical systems only.
2. Replace the fuse with one with the specified rating. If the fuse blows frequently, consult your nearest JVC car audio dealer.
3. If noise is a problem...
This unit incorporates a noise filter in the power circuit. However, with some vehicles, some clicking or other unwanted noise may still be present. If this happens, connect the rear ground terminal of the CD receiver to the car's chassis using thicker and shorter cords such as copper braiding or thick gauge wire. If noise is generated even after the above procedures, consult a JVC car audio dealer.

Antenna noise

If you can hear static noise when listening to both AM and FM, check for loose antenna connections.

2. Specifications

CD PLAYER SECTION

Type: Compact disc player
 Signal Detection System: Non-contact optical pickup (semiconductor laser)
 Number of Channels: 2 channels (stereo)
 Frequency Response: 5 – 20,000 Hz
 Dynamic Range: 90 dB
 S/N Ratio: 94 dB
 Wow & Flutter: Less than measurable limit

AUDIO AMPLIFIER SECTION

Maximum Power Output:
 22 watts per channel (2-channel),
 13 watts per channel (4-channel)
 Continuous Power Output (RMS):
 8 watts per channel into 4 Ω , 40 to 20,000 Hz, at
 no more than 0.8% total harmonic distortion
 (2-channel)
 Load Impedance: 4 Ω (4 ~ 8 Ω Allowable)
 Tone Control Range
 Bass: ± 10 dB at 100 Hz
 Treble: ± 10 dB at 10 kHz
 Frequency Response: 40 – 20,000 Hz
 S/N ratio: 70 dB
 Output Level: 1.5 V/20 k Ω load (Full scale)
 Output Impedance: 1 k Ω

RADIO SECTION

Frequency Range
 FM: 87.5 – 108.0 MHz
 AM: 531 – 1,620 kHz
 [FM Tuner]
 Usable Sensitivity: 15.3 dBf (1.6 μ V/75 Ω)
 50 dB Quieting Sensitivity: 18.5 dBf (2.3 μ V/75 Ω)
 Alternate Channel
 Selectivity (400 kHz): 65 dB
 Frequency Response: 40 – 15,000 Hz
 Stereo Separation: 35 dB
 Capture Ratio: 1.5 dB
 [AM Tuner]
 Sensitivity: 20 μ V
 Selectivity: 35 dB

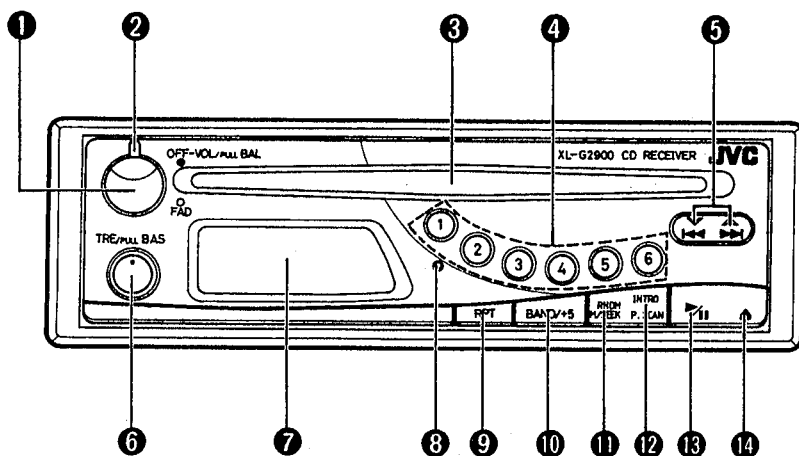
GENERAL

Power Requirement
 Operating Voltage: DC 14.4 V (11 V – 16 V Allowable)
 Grounding System: Negative Ground
 Dimensions (W x H x D)
 Installation Size: 178 x 50 x 155 mm
 (7-1/16" x 2" x 6-1/8")
 Panel Size: 190 X 58 X 10 mm
 (7-1/2" x 2-5/16" x 7/16")
 Gross Weight 1.9 kg (4.2 lbs.)

Design and specifications subject to change without notice.

3. Instructions (Extract)

LOCATION OF CONTROLS

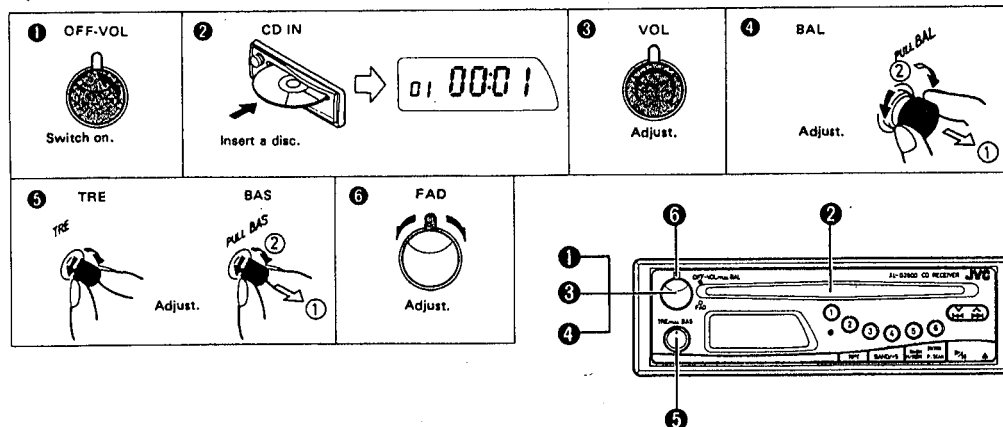


- ① Power on-OFF/volume (VOL)/Pull balance (PULL BAL) control
- ② Fader (FAD) control
- ③ CD loading slot
- ④ Preset station/Track number buttons
- ⑤ Skip (◀, ▶)/Tuning (▼, ▲) button
- ⑥ Treble (TRE)/Pull bass (PULL BAS) control
- ⑦ Display window
- ⑧ Microcomputer reset button
- ⑨ Repeat (RPT) button
- ⑩ BAND/+ 5 button
- ⑪ Random (RNDM) button
- ⑫ Manual (M)/SEEK button
- ⑬ INTRO/P. SCAN button
- ⑭ Play (▶)/Pause (⏸) button
- ⑮ Eject (▲) button
- ⑯ Indicators (for CD section)
 Track/Time (Min, Sec)
 Repeat (↺)
 RNDM
 no DISC
- ⑰ Indicators (for tuner section)
 Frequency
 Preset station
 Band (FM1-FM2-FM3-AM)
 ST (Stereo)
 SEEK

PLAYING COMPACT DISCS

To play all tunes . . . The following example shows using a compact disc which contains 10 tunes and a total playback time of 50 minutes, 45 seconds.

Operate in order shown.

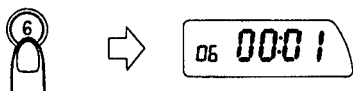


Total playback time.
10 50:45
Total number of track (tune).

Displays elapsed playback time of each tune being played back.
01 00:01
Track (tune) number.

Direct access playback

When the button with the number of any required tune is pressed, the required tune is played back immediately.



- To play back tunes numbered 1 to 6, press the required track (tune) number button.
- To play back tunes numbered between 7 and 99, press +5 the required number of times and the Track No. button.

* + 5 button

Each time this button is pressed, the number increases in increments of 5. First press this button, then press the Track No. button to set the tune number.

Search playback

(to locate the required position on the disc)

- The required position can be located using fast-forward or reverse search during playback.
- Hold down the button and the search playback starts slowly and then gradually increases speed.
- Since a small sound (about one quarter of playback level) can be audible in both modes, release the button when the required position is located while monitoring the sound.

Skip playback

- During playback, when skipping to the beginning of the next tune or the tune being played back or the previous tune, the beginning of the tune is easily located and the playback starts from there.

To listen to the next tune . . .

Press the skip button (▶) once to skip to the beginning of next tune.

To listen to the previous tune . . .

Press the skip button (◀) to skip to the beginning of the tune being played back and press again to skip to the previous tune.

Keep pressing for the fast-reverse search



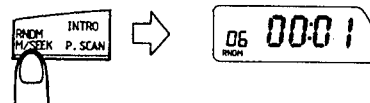
Keep pressing for the fast-forward search

Random playback

The microcomputer in this unit can select the tunes on a disc automatically in random order. Press the RNDM button while playing a CD to start the random playback. Press this button again to cancel random playback.

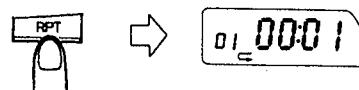
Random playback

The microcomputer in this unit can select the tunes on a disc automatically in random order. Press the RNDM button while playing a CD to start the random playback. Press this button again to cancel random playback.



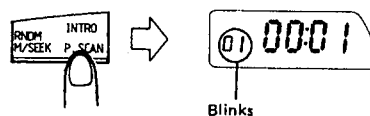
Repeat playback

When the RPT button is pressed, the tune being played is repeated. Press this button again to cancel repeat playback. The  indication goes out and all-tune playback is resumed.



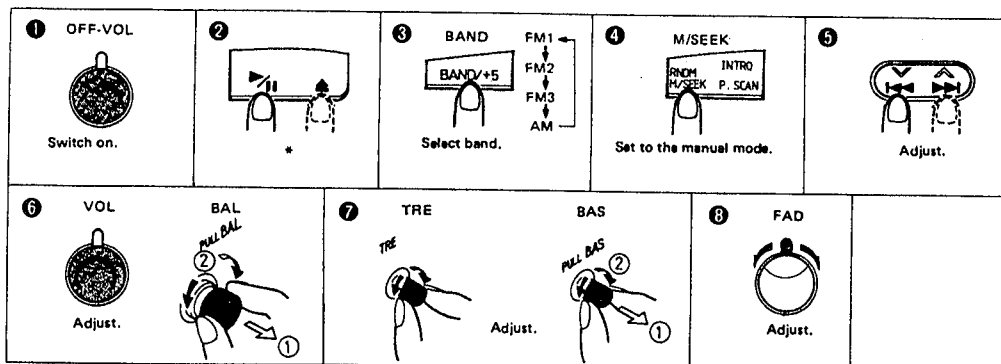
Intro scan

When the INTRO button is pressed, the first 10 seconds of each tune are played back sequentially. During this time, the track No. being played back blinks in the display. When the required tune is heard, press the INTRO button again to start normal playback.

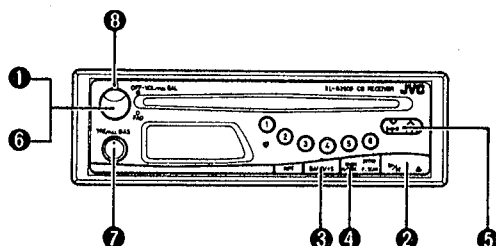


RADIO OPERATION

Operate in order shown.

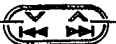


* When a CD is loaded.



MANUAL TUNING

Set to the manual mode using the M/SEEK button. When SEEK is not shown in the display, the unit is in the manual mode. Then, by pressing the Tuning button, you can move up and down the frequency band. The frequency band is scanned as long as either side of this button is pressed. You can step through the frequency in 100 kHz units for FM 9 kHz units for AM.

Press to move to lower frequencies  Press to move to higher frequencies

SEEK TUNING

Set to the seek mode using the M/SEEK button; the SEEK indicator will light. Then, by pressing the ∇ or Δ button, the unit tunes to the adjacent station with a lower or higher frequency.

PRESET BUTTON TUNING

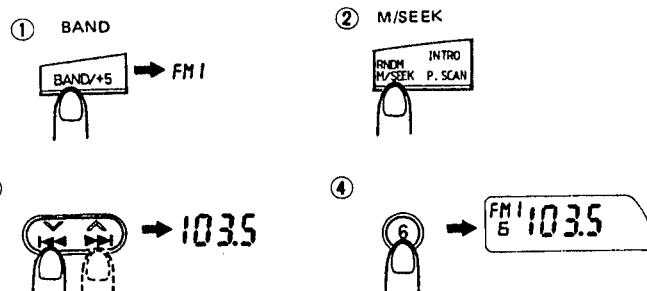
6 stations in each band (FM1, FM2, FM3 and AM) can be preset as follows;

- Example (when presetting Preset Station button "6" to FM station at 103.5 MHz)

- ① Select the FM1 band using the BAND button.
 - ② Set to the manual mode.
 - ③ Tune to the desired station.
 - ④ Press Preset Station button "6" for more than 2 sec. (When "6" flashes in the Preset Station display, the station is preset.)
- Repeat the above procedure for each of the other 5 stations using a different Preset Station button each time.
 - Follow the above procedure for the other bands (FM2, FM3 and AM).

Notes:

- The preset station is erased when a station is newly preset because the new station is stored in memory.
- The preset station is erased when the power supply to the memory circuit is interrupted during battery replacement, etc. When this occurs, preset the station again.



PRESET SCAN BUTTON TUNING

This makes it possible to automatically scan preset FM and AM stations.

- ① Press the P. SCAN button.
- ② Scanning is performed in the order of preset stations in each frequency band (FM1, FM2, FM3, and AM). Each preset station is heard for approx. 5 seconds.
- ③ When the required station is heard and its frequency is flashing, press the P. SCAN button again.

INSTALLATION (IN-DASH MOUNTING)

- Before installation, be sure to remove the screw (shown by (A)) for transportation.
- The following illustration shows a typical installation, however, always adjust to correspond to the car in which the unit is to be installed. If you have any questions and for installation kits, consult a JVC car audio dealer or kit supply company. (Fig. a)

- ① Remove the trim plate from the body of the unit.
- ② Attach the side springs.
- ③ Install the sleeve in the dashboard. Next, mount the mounting bolt onto the rear of the unit's body and slide the rubber cushion onto this bolt.
 - * After the sleeve is installed in the dashboard, select and bend the appropriate tabs to hold the sleeve firmly in place.
- ④ Slide the body of this unit into the sleeve so that they are locked together.
- ⑤ Mount the trim plate.
- ⑥ Fasten both sides of the trim plate using the provided screws (M2 x 9 mm, Black) to protect the unit against theft.

- Follow the numbers for mounting.

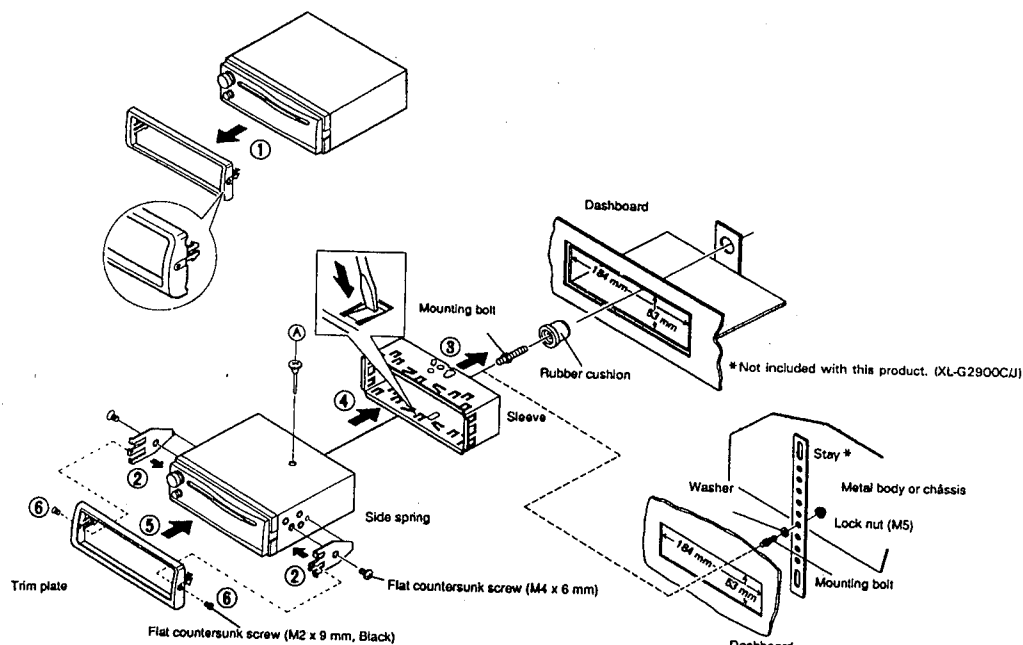
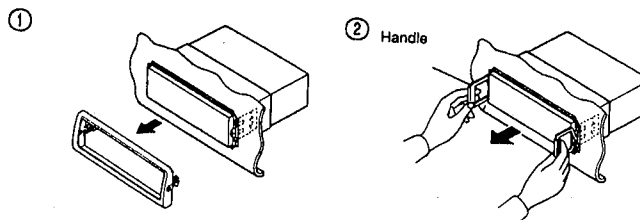


Fig. a

Removing the body of unit

- Before removing the body of this unit, remove the nut, connector, etc. retaining the rear section.

- 1 Remove the trim plate by pulling it forward.
- 2 As illustrated, insert the handles between the side springs and sleeve. Then, slide the unit out while pressing the handles toward each other.



Notes:

1. When installing the CD receiver on the mounting bracket, be sure to use the screws with a length of 6 mm. If screws with a length of more than 6 mm are used, they could damage the unit.
2. Install the main unit horizontally if possible, if not possible; install with inclination of 20° or less upward with respect to the front panel.

Installing with other equipment

When installing together with other equipment, be sure to install this unit under them so the temperature of the CD receiver does not rise.

ELECTRICAL CONNECTIONS

To prevent short circuits from occurring, while making connections, keep the battery's negative terminal disconnected.

We recommend that you make all electrical connections (see Fig. b) before installing the unit. If you're not sure of your ability to correctly install this unit, have it installed by a qualified service technician.

Note:

This unit is designed for 12 volts DC, Negative Ground. If your vehicle does not have 12 volts negative ground electrical system, you need a voltage inverter which can be bought from a JVC car audio dealer.

- Maximum input of speakers should be more than 22 W at rear and 22 W at front with an impedance of 4 to 8 Ω.

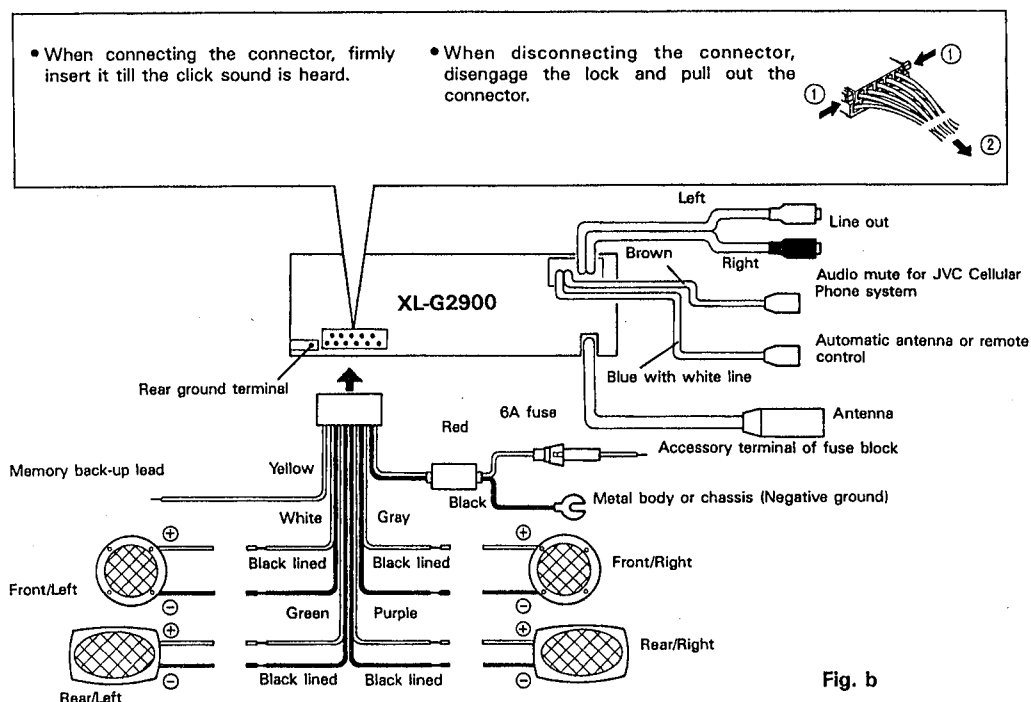
Cautions:

This unit uses BTL (Balanced Transformerless) amplifier circuitry, i.e., floating ground system, so please comply with the following:

1. Be sure you do not connect the black lined speaker leads to a common point.
2. Don't connect speaker leads to the metal body or chassis.
3. When not using the lead, cover the terminal with insulating tape to prevent the lead from shorting.

- Be sure to ground this unit to the car's chassis.

A. 4-speaker connections



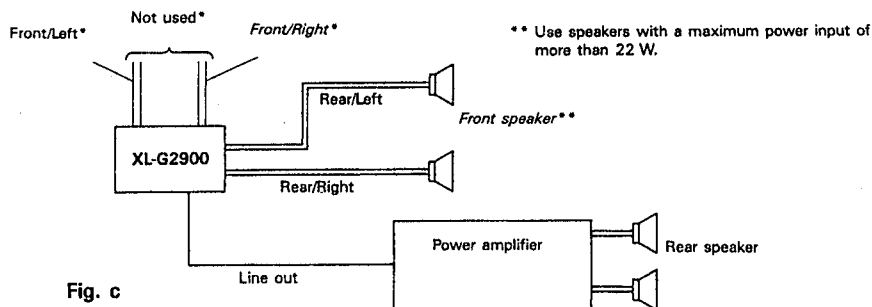
B. Line terminal connections (Line out)

Since this unit has line-out terminals, an amplifier and other equipment can be used to upgrade your car stereo system.

- When connecting an amplifier, connect this unit's line-out terminals with the amplifier's line-in terminals.

- When making the 4-speaker connections using a power amplifier, connect the front speakers to the rear speaker cords. (In such a case, do not use the front speaker cords.**) This makes the Fader control usable.

• 4-speaker connection by adding a power amplifier



C. Automatic antenna connections

To use the automatic antenna, connect the automatic antenna terminal (blue with white line (REMOTE) lead). For details of automatic antenna installations, see the instruction manual of the automatic antenna.

D. Audio mute (for JVC Cellular Phone System) connections

Connect this lead to a JVC cellular phone system. While using a JVC cellular phone system, the sound of the XL-G2900 is muted. For more details, refer to the Instructions of the JVC Cellular Phone System.

E. Memory back-up lead

Connect this lead to a position where live power is supplied even when the ignition key is taken out.

F. Fader control

•When used in a 4-speaker system (Fig. b).

Use this control to balance the volume levels of the front and rear speakers. Turn counterclockwise to decrease the volume levels of the rear speakers and clockwise to decrease those of the front speakers. The overall volume level can be adjusted with the volume knob.

•4-speaker connection system by adding a power amplifier (Fig. c)

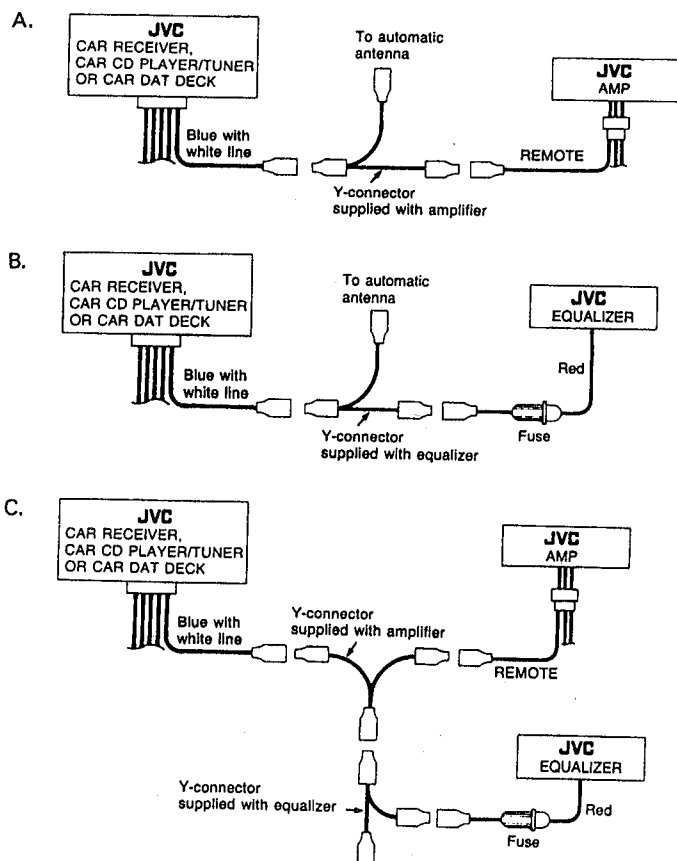
Turn clockwise to decrease the volume level of the rear speakers which are connected to the power amplifier and counterclockwise to decrease that of the front speakers which are connected directly to the receiver.

•When used in a 2-speaker system

Set this control to the center position.

G. Microcomputer reset button

After completing installation and connection, press this button using a ball-point pen, etc. to reset the microcomputer. Normally do not use this button, however, press it when the power supply is interrupted such as for replacement of the car's battery. Also press it when the built-in microcomputer does not operate normally due to noise, etc. and when this unit does not operate correctly when any of its buttons is pressed.



REMOTE (blue with white line) WIRE

The REMOTE (blue with white line) wire is provided to control an automatic antenna, it also is used to supply power to an amplifier and/or equalizer through the car receiver, car CD player/tuner or car DAT deck.

A. Connection between JVC car receiver, car CD player/tuner or car DAT deck and JVC amplifier.

Note: If an automatic antenna is not used, insulate the extra terminal with electrical tape.

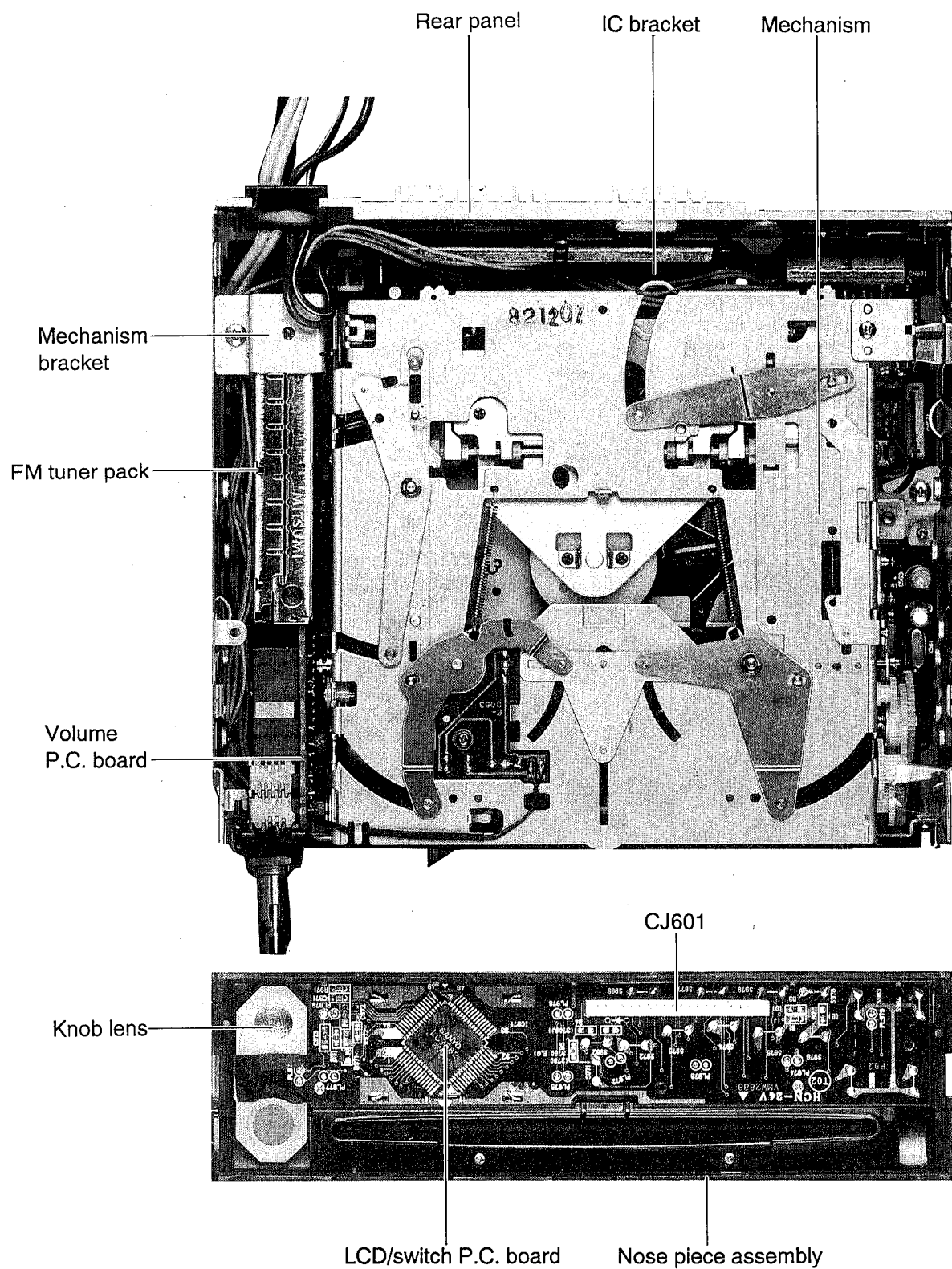
B. Connection between JVC car receiver, car CD player/tuner or car DAT deck and JVC equalizer.

C. Connection between JVC car receiver, car CD player/tuner or car DAT deck JVC equalizer and JVC amplifier.

D. Connecting a JVC amplifier, equalizer-amplifier, or equalizer to another brand car receiver other than JVC.

1. If the receiver is provided with a power antenna or an automatic antenna terminal, connect the REMOTE wire of the JVC product to it.
2. If the receiver is not provided with a power antenna, connect the REMOTE wire of the JVC product to the car's accessory power supply terminal which is controlled by the ignition key.

4. Location of Main Par



5. Removal of Main Parts

■ Top cover and bottom cover(refer to Fig. 1)

1. Remove the screw ① retaining the top cover from the rear panel.
2. As shown in the Figure 1, insert a screwdriver in four spaces (a, b) between the main unit and the top cover to release the locks.
3. All the same to 1, remove the screw ② retaining the bottom cover and insert a screwdriver in four spaces (c, d) between the main unit and the bottom cover to release the locks.

■ Front panel assembly (refer to Fig. 1)

1. Pull out the POWER/VOLUME and FADER knobs.
2. Use a screwdriver to release the joining sections in four locations(e) between the front panel assembly and both sides of the main unit.

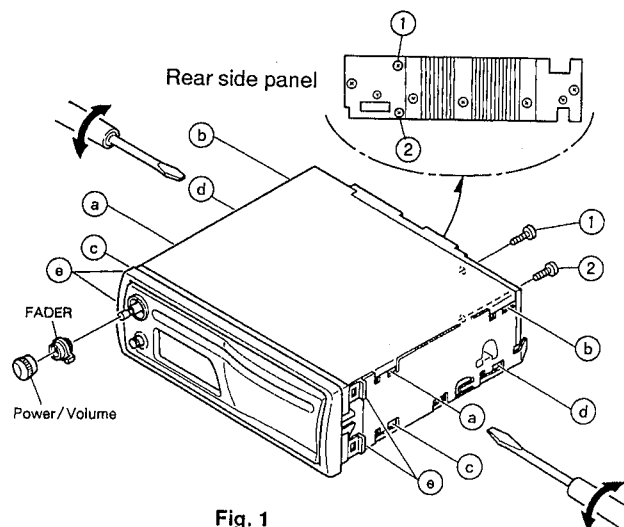


Fig. 1

■ Mechanism assembly (refer to Fig. 2 , 3)

1. Dismount the pickup flexible connector CN501(In this case, pull out the flexible connector by pushing up the connector lock from the hole on the right side surface.).
 2. Pull out the connector CN502 on the front surface side of the mechanism.
 3. Turn over the main unit and remove the four screws ③ retaining the mechanism assembly from the main unit.
- ※ After clamping the mechanism assembly, attach the flexible cord with tweezers.

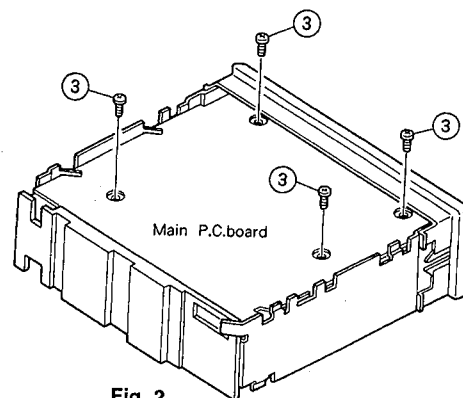


Fig. 2

■ Volume P.C. board(refer to Fig.4)

1. Remove the nut retaining the volume and dismount the volume holder.
2. Pull out the tone volume knob and remove the nut retaining the tone volume and dismount the volume holder.
3. Remove the two screws ④ retaining the front bracket from the main unit.
4. Dissolder the claw of front bracket from the main P.C. board.
5. Pull out the volume P.C. board assembly in upward direction.
6. Pull out the 6 pin connector from the connector CN903 on the main P.C. board.

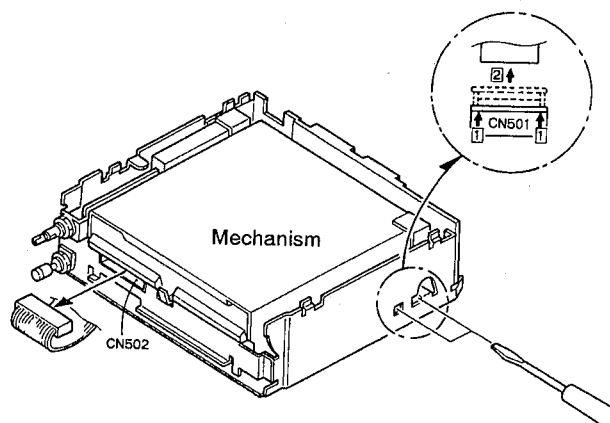


Fig. 3

■ FM Tuner pack assembly(refer to Fig. 4)

1. Remove the screw ⑤ retaining the mechanism bracket from the main unit.
2. Dissolder the FM tuner pack assembly from the back side main P.C. board.

■ 11 pin connector CN901(refer to Fig.5)

1. Remove the screw ⑦ retaining the 11 pin connector CN901 from the rear panel.
2. Dissolder 11 pin connector CN901 from the back side main P.C. board.

■ Power IC IC151 and transistor Q901 (refer to Fig. 5)

1. Remove the three screws ⑧ retaining the IC151, Q901 and IC bracket from the rear panel.
2. Dissolder the IC bracket from the back side main P.C. board.
3. Dissolder the IC151 and Q901 from the back side main P.C. board.

■ Antenna cord assembly (refer to Fig.5)

1. Remove the screw ⑥ retaining the antenna cord assembly from the rear panel.
2. Dissolder the antenna cord assembly from the back side main P.C. board.

■ LINE cord assembly (refer to Fig.5)

1. Pull out the LINE cord assembly to upward direction.
2. Pull out the 4 pin connector from the CN905 on the main P.C. board.
3. Pull out the 2 pin connector from the CN904 on the main P.C. board.

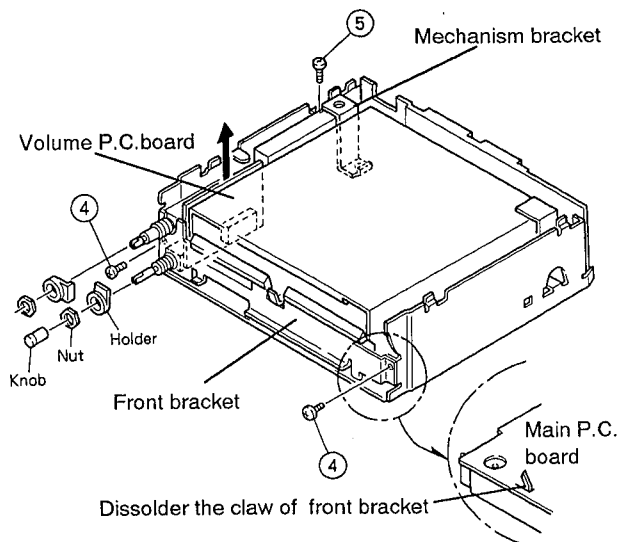


Fig. 4

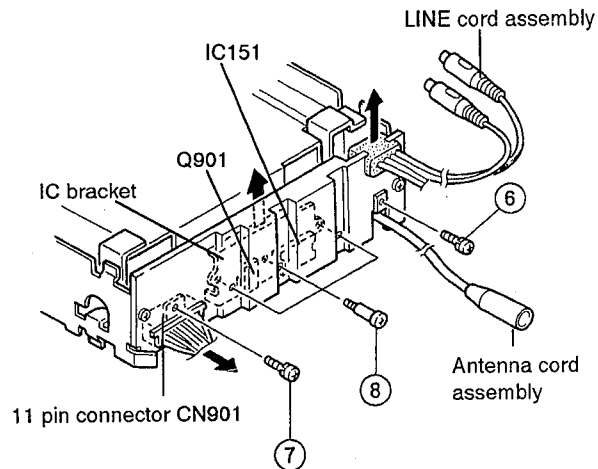


Fig. 5

6. Main Adjustment

■ Equipment and measuring instruments used for adjustment

1. AM standard signal generator
2. FM standard signal generator
3. Stereo modulator
4. Oscilloscope
5. Electric voltmeter
6. Digital tester
7. Test disc: CTS – 1000

■ Measuring conditions

Rating source.....DC14.4V(10.5~16V)
Load impedance..... Speaker out (4 Ω)
Speaker out(4 Ω)
Output level Speaker out (1 W)
Speaker out(1W)

Standard position of volume

Balance Center

Fader Center

Tone Flat

Tuner part

Preset of standard signal generator

Modulation frequency..... 1000Hz

Modulation MONO:22.5kHz deviation

..... STEREO:40.0kHz deviation

..... PILOT:7.5kHz deviation

Emphasis.....75 μ S

Dummy antenna Output impedance: 50 Ω

FM frequency.....INPUT:66dB

AM frequency.....INPUT:74dB

Standard frequency FM:97.9MHz

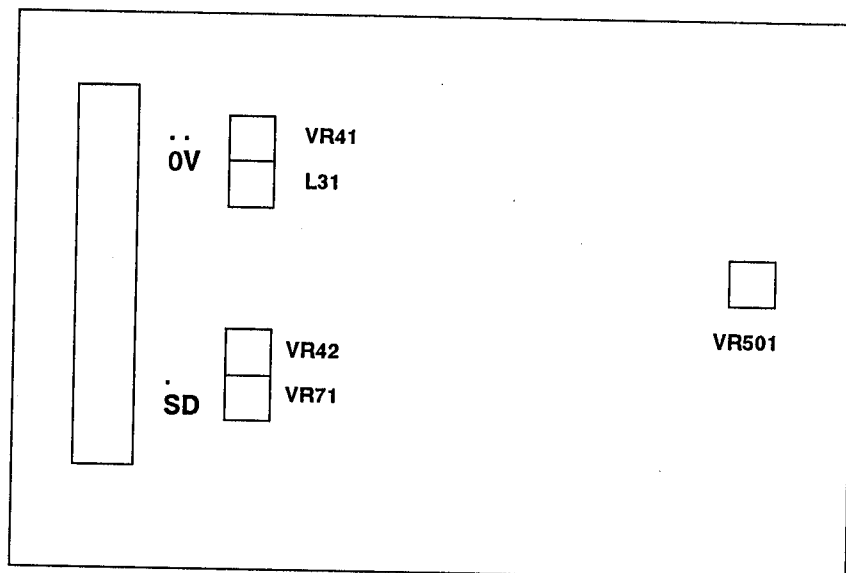
.....AM:1000KHz

Preset memory Initialization

Band	1	2	3	4	5	6
FM1,2,3 MHz	87.5	89.9	97.9	105.9	107.9	87.5
AM kHz	531	603	999	1404	1620	531

2 BAND: FM1 / FM2 / FM3 / AM

■ Location of adjustment
(Main P.C. board)



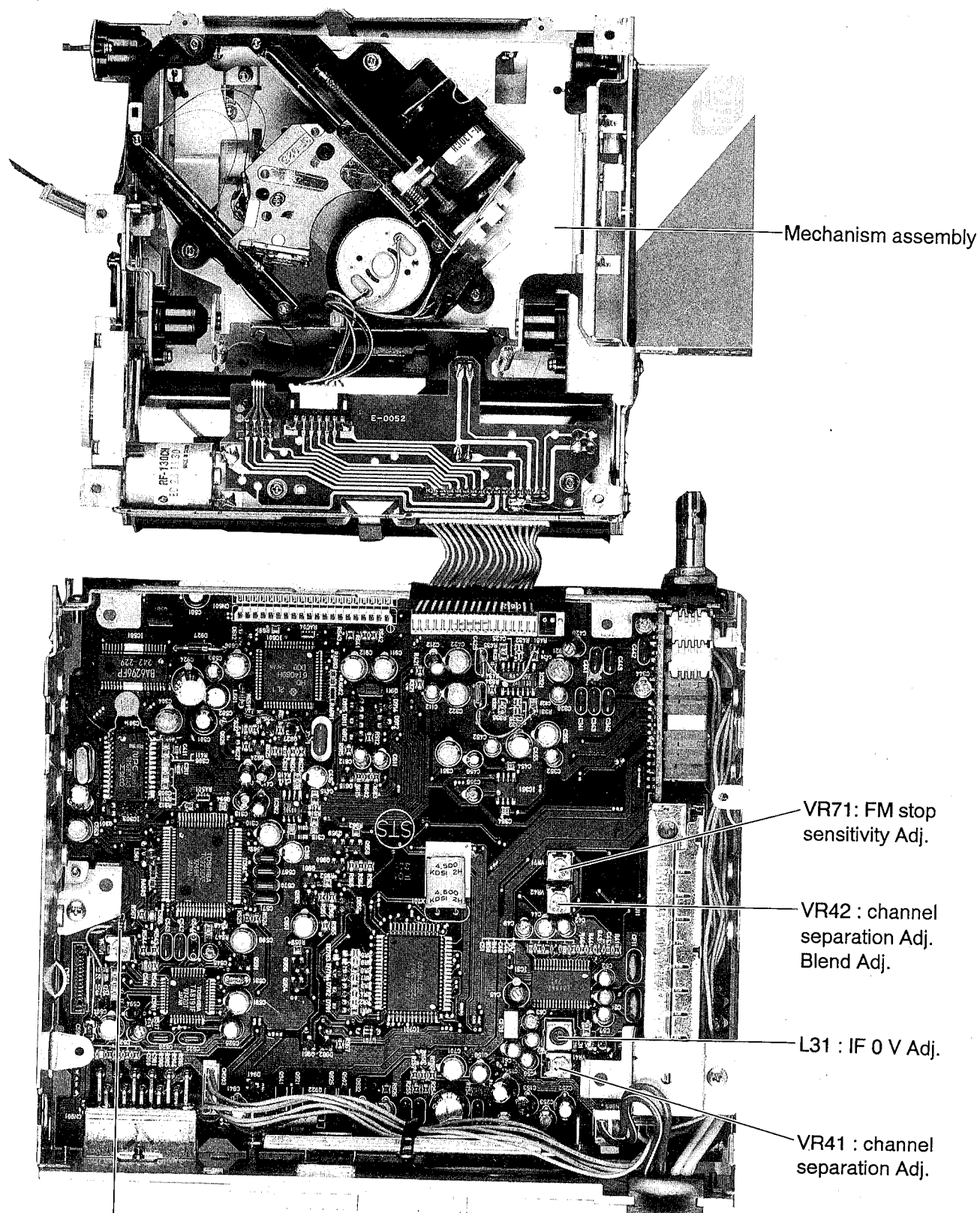
■ Tuner Part

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
IF 0 V adjustment	Input terminal :Antenna socket Frequency :Non modulated 97.9MHz 66 dB μ V signal Output : TP1	Receive non modulated 97.9MHz, 66 dB μ V signal while adjusting L31 so that 0 voltage between terminals of TP1 within 0 ± 10 mV.	Within 0 ± 10 mV	L31
FM STOP sensitivity adjustment	Frequency : 97.9 MHz, 28 dB Measuring point :SD	Receive non modulated 97.9 MHz, 28 dB signal while adjusting VR71 to set it to a point where measuring point voltage at SD changes to 5V from 0V. (Use of an oscilloscope is recommended.)	0 V $\rightarrow$ 5 V point	VR71
Channel separation adjustment	Frequency : 97.9 MHz, 66 dB STEREO modulation Measuring point : Speaker out	1. Turn right the VR42. 2. Receive FM 97.9 MHz (only Rch frequency is modulated), 66 dB μ V signal while adjusting VR41 to maximize level difference between R and L channel outputs.	Maximum level difference between R and L channel outputs.	VR42 VR41
Blend adjustment	Frequency :FM 97.9 MHz, 52 dB Stereo modulation Measuring point :Speaker terminal	Receive FM 97.9 MHz, 52 dB μ V signal while adjusting VR42 so that level difference between R and L channel outputs is 20 dB.	Channel separation :20dB	VR42

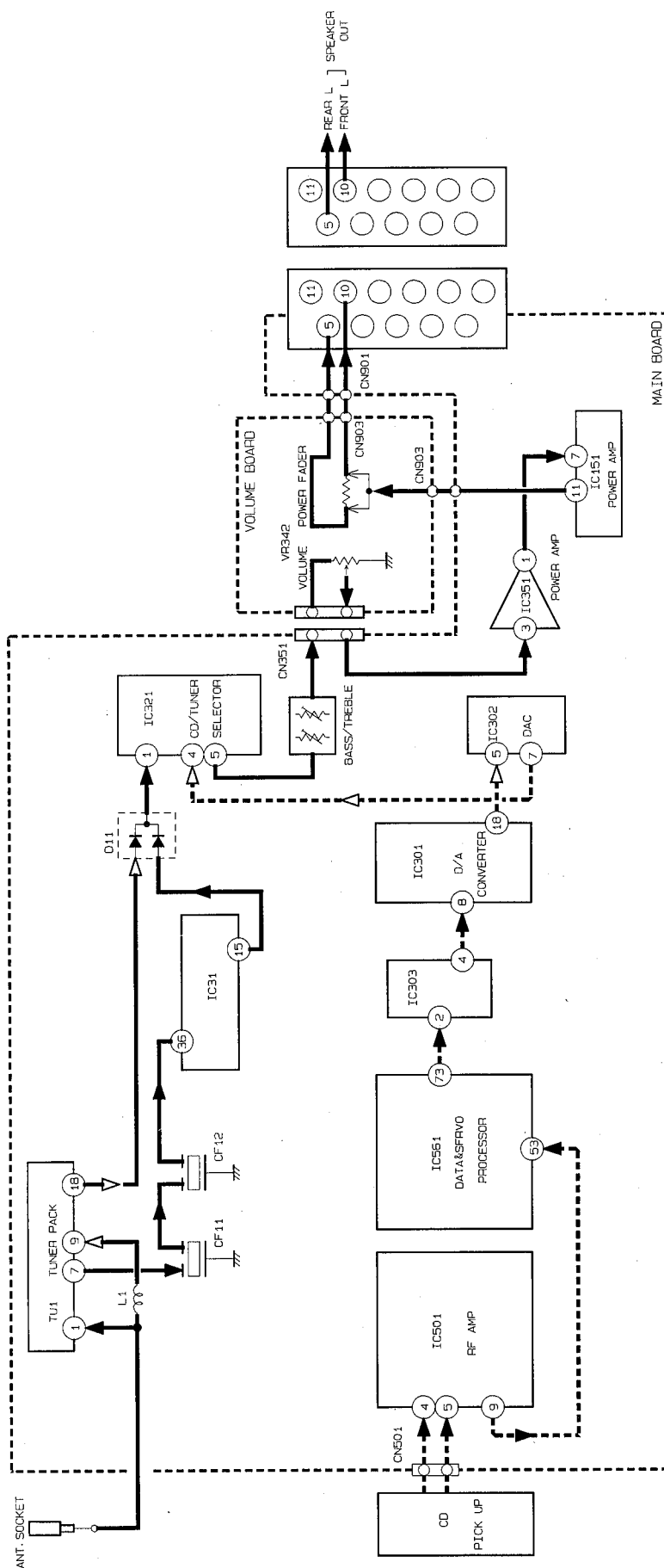
■ CD Part

Tracking offset adjustment	Normal disc :CTS1000 Oscilloscope	1. Connect an oscilloscope between TP3(TE) and TP2(VREF). 2. Playback the normal disc CTS – 1000 3. Shortcircuit between TP5 and grand. 4. Shortcircuit TP2 and TP4. 5. Adjust VR501 so that the DC level of the tracking error signal (Oscilloscope waveform) becomes zero.	DC zero level	VR501
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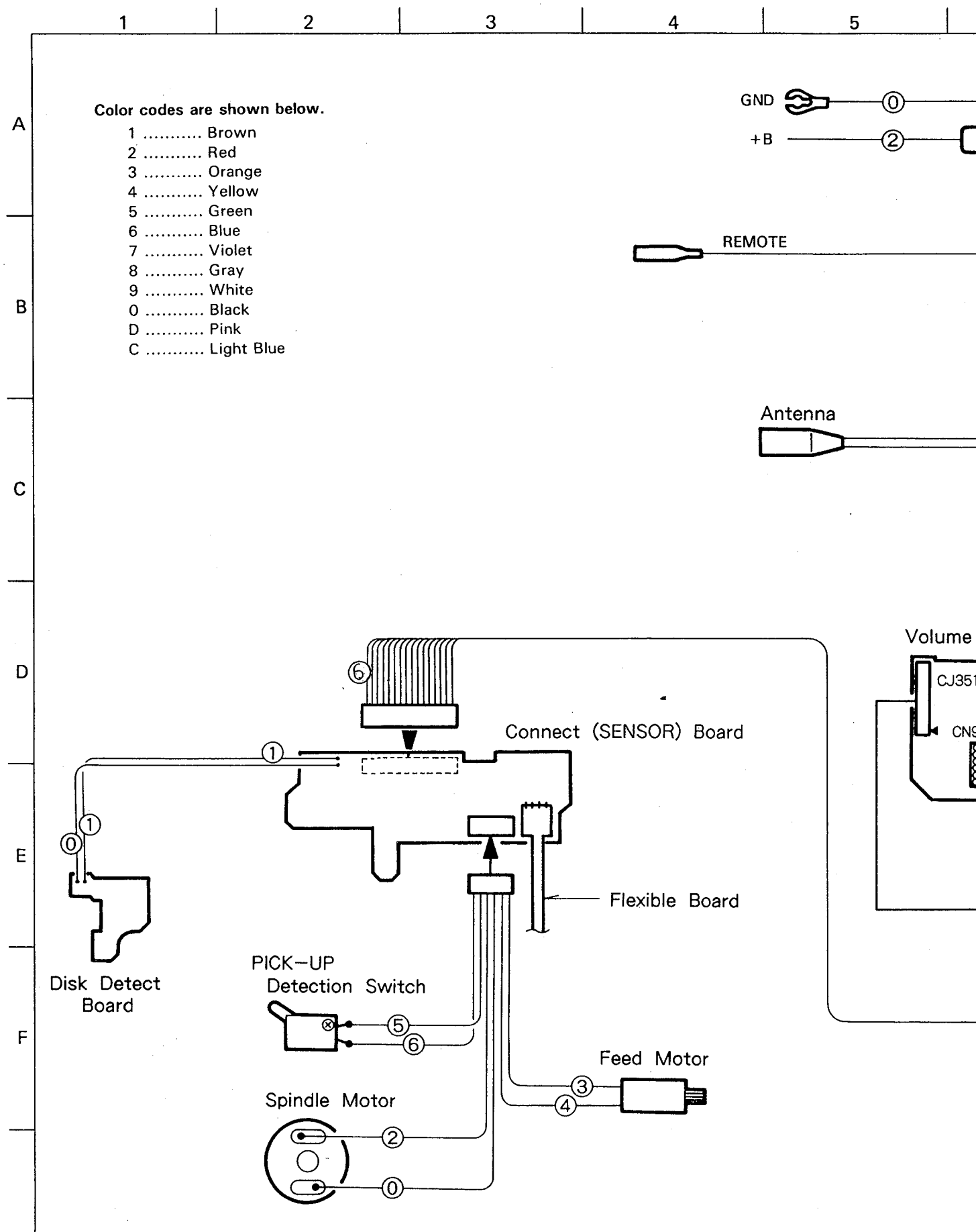
■ Location of Adjustment

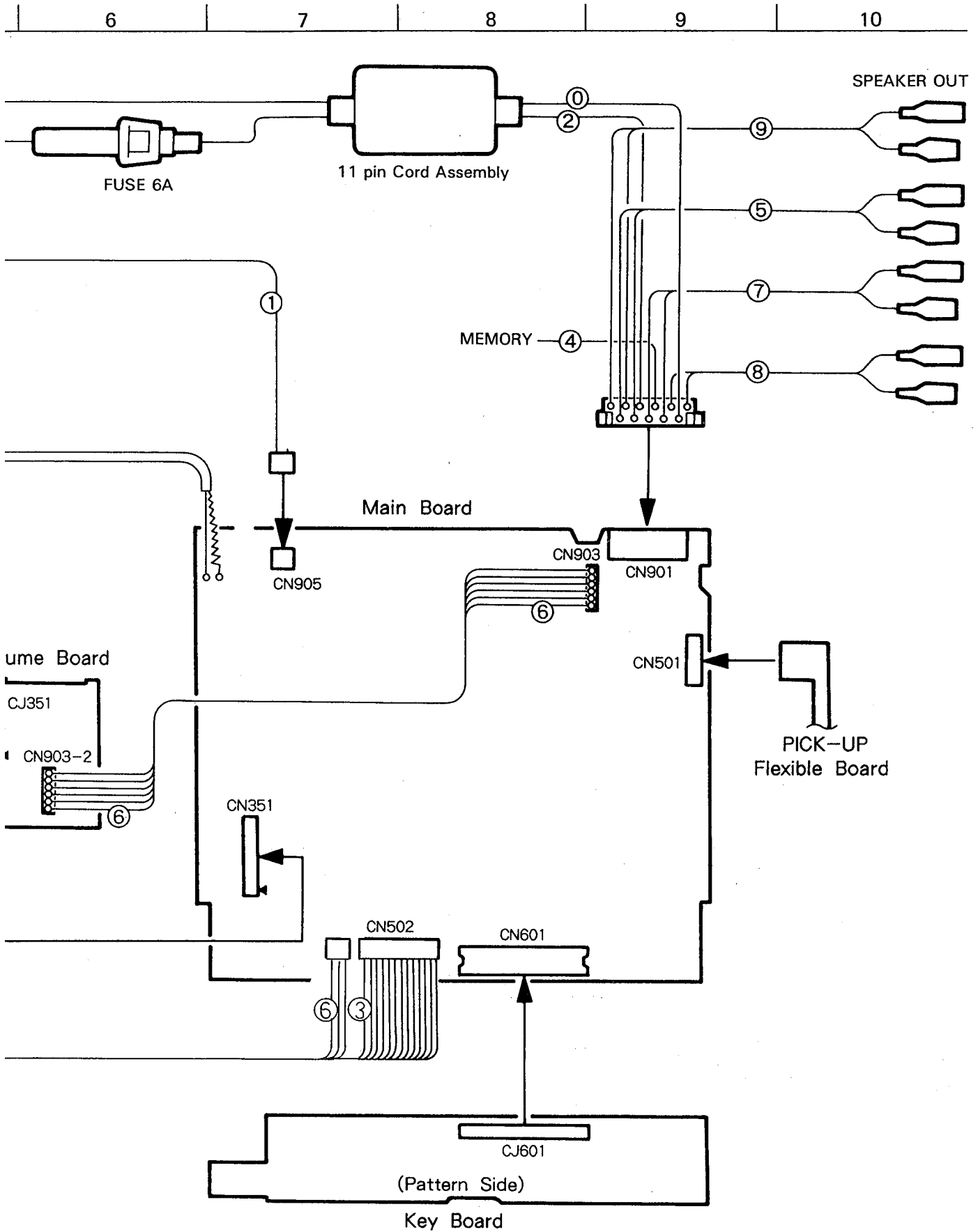


7. Block Diagram

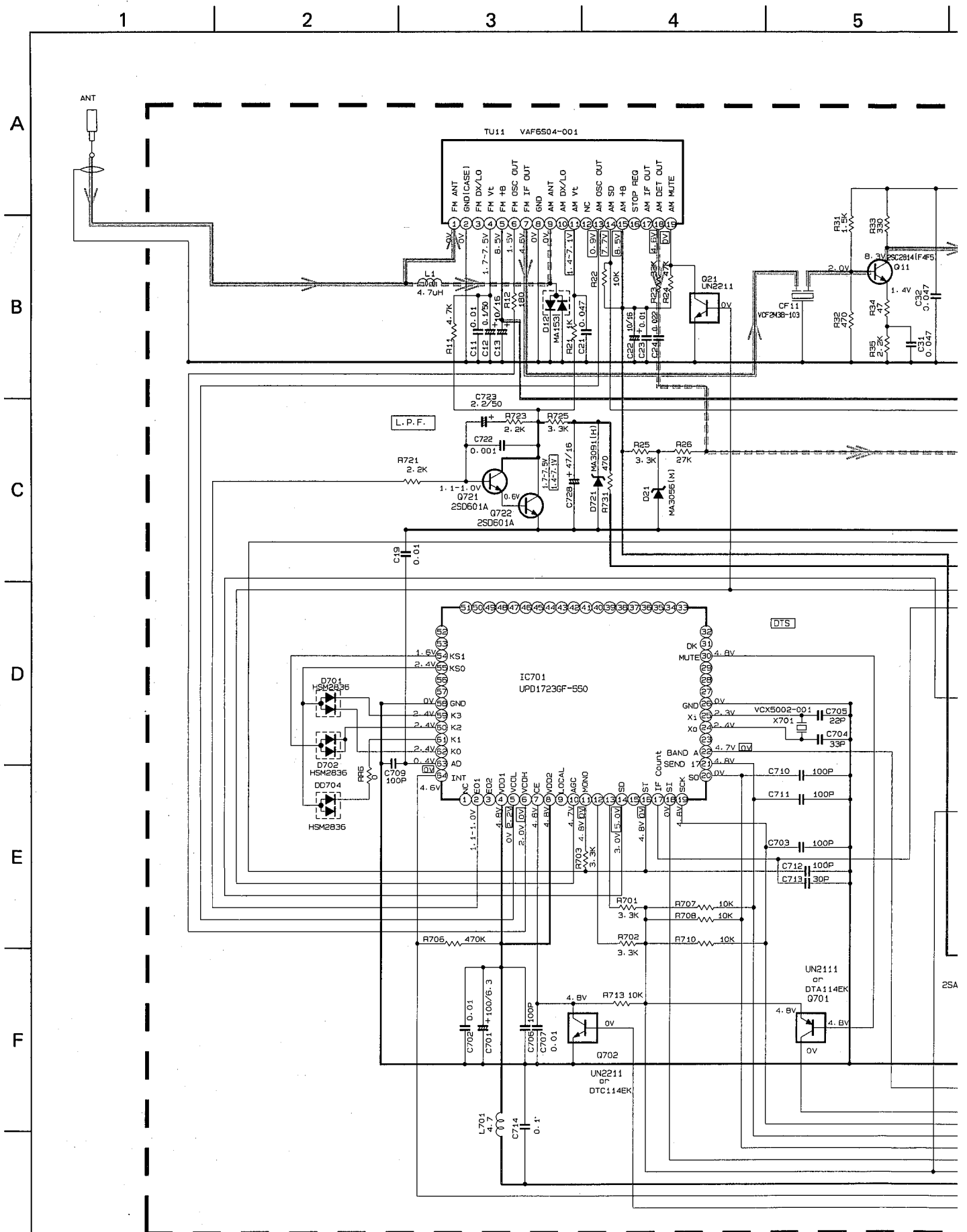


8. Wiring Connections





9. Standard Schematic Diagram ■ Receiver Circuit: Drawing No. VDH3446-016TV



J16TV

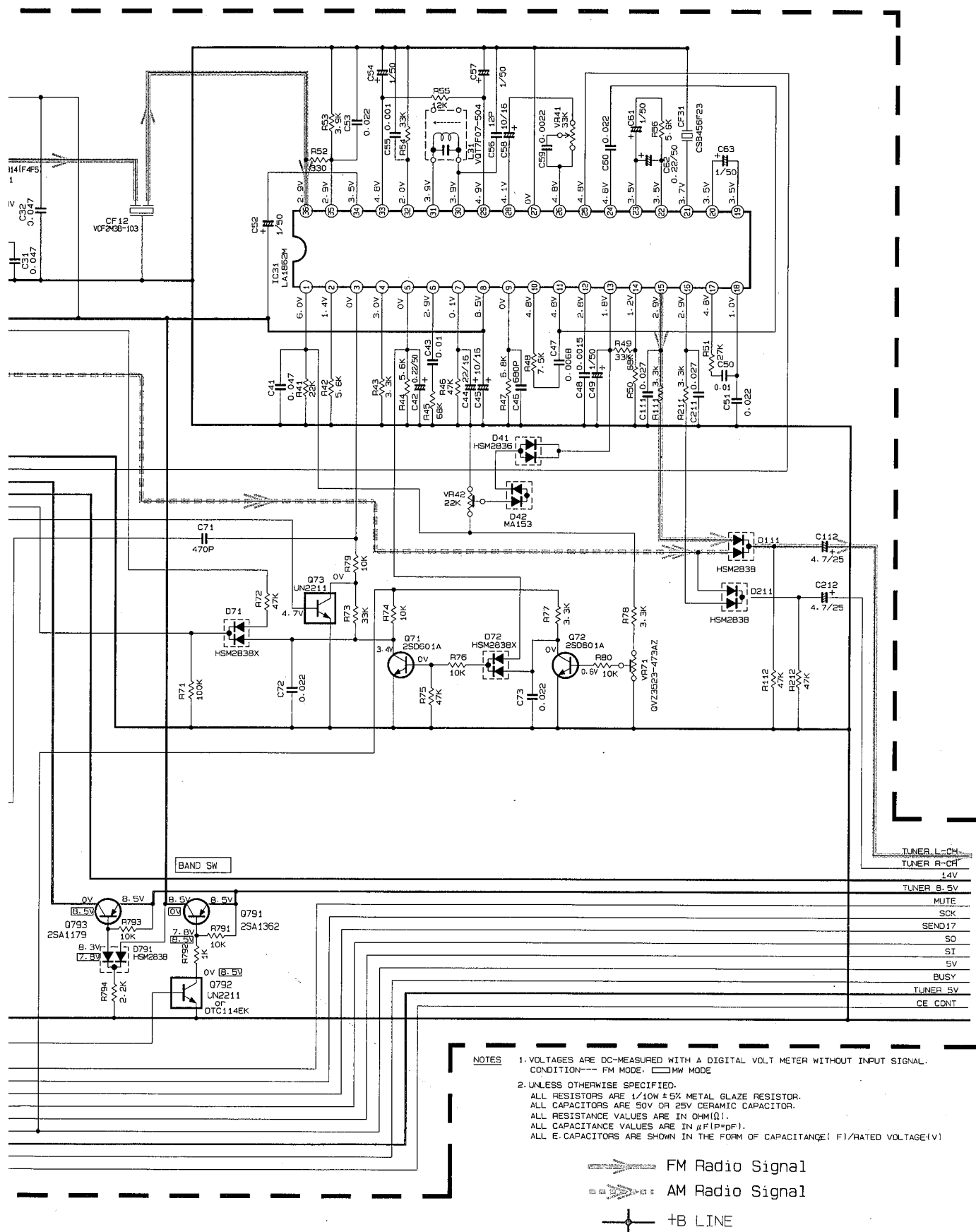
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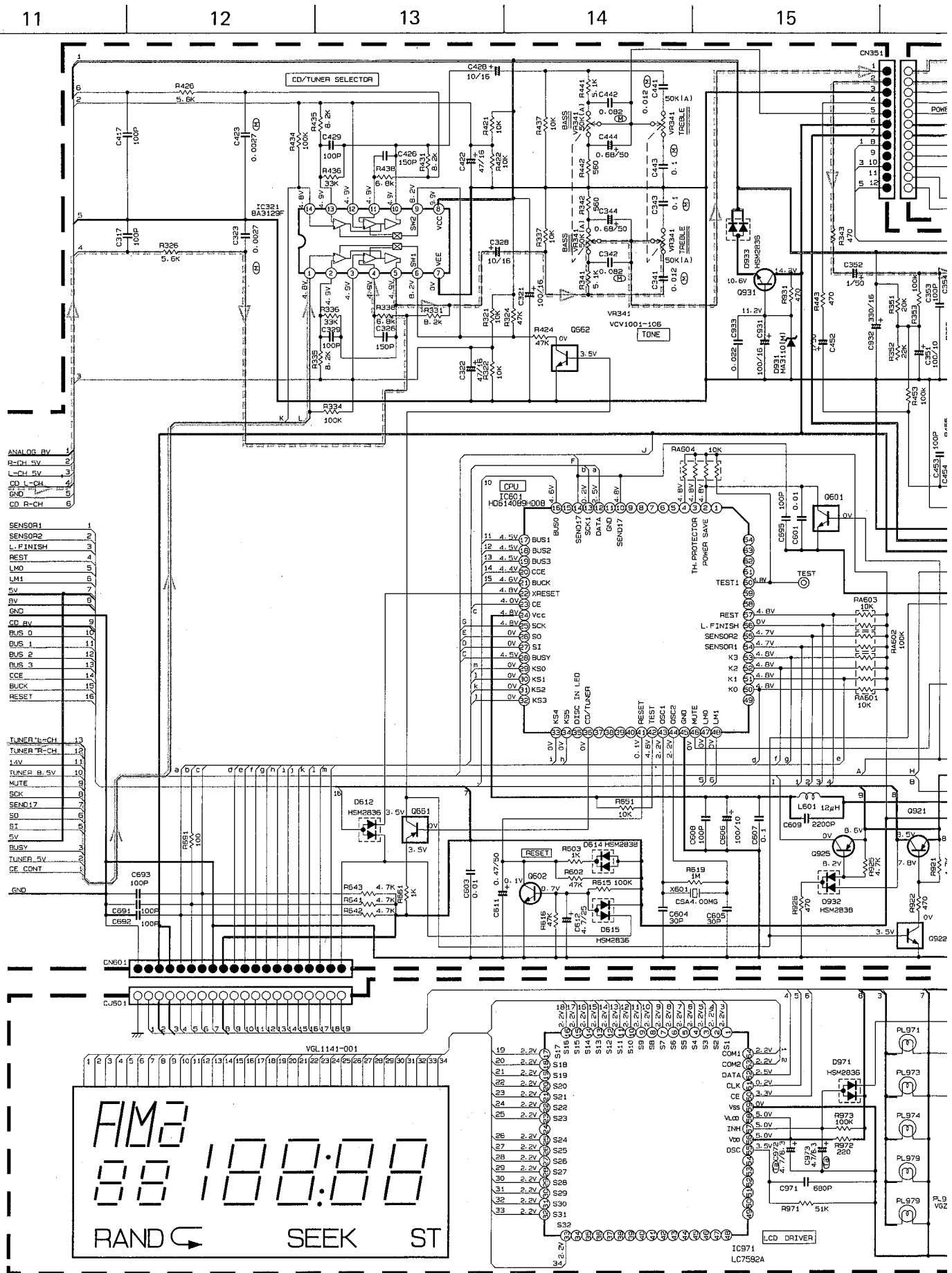
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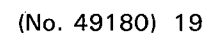
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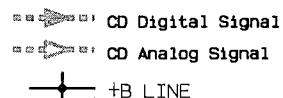
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■ **Power Supply & Power Amplifier Circuit: Drawing No. VDH3446-016AV**







■ FM Tuner Pack TV1 Circuit: Drawing No. VDH3446-001TV2

11

12

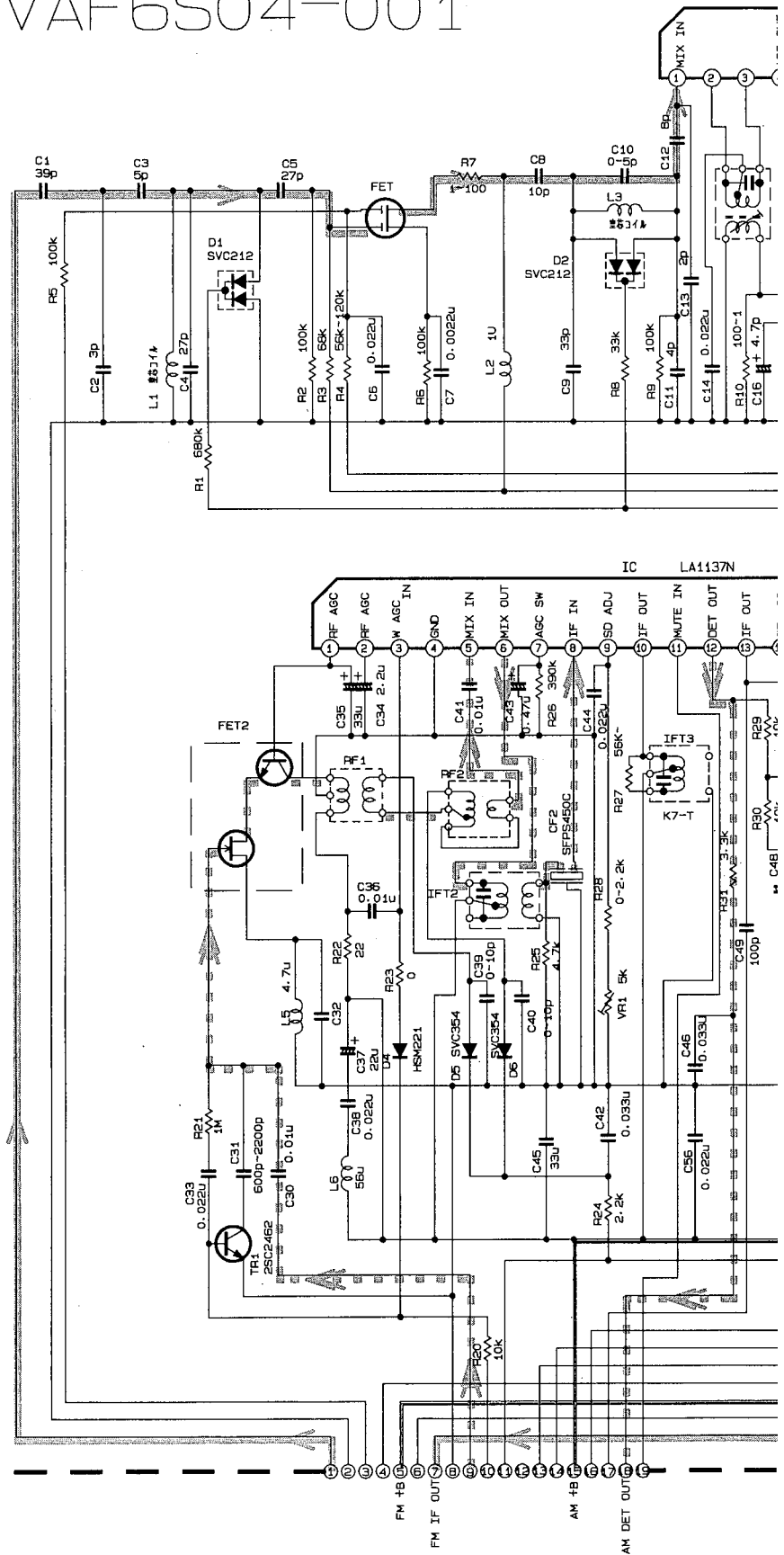
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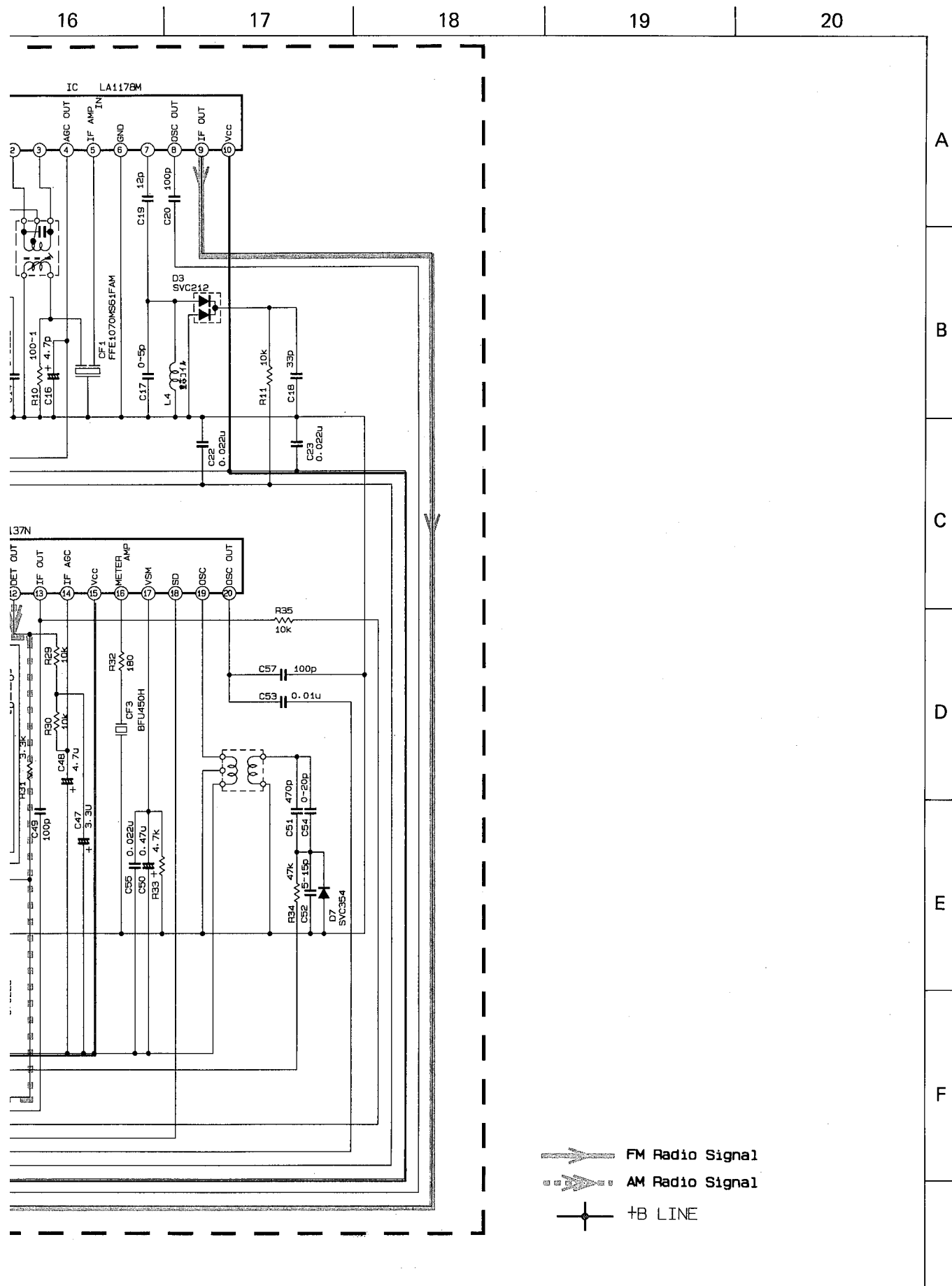
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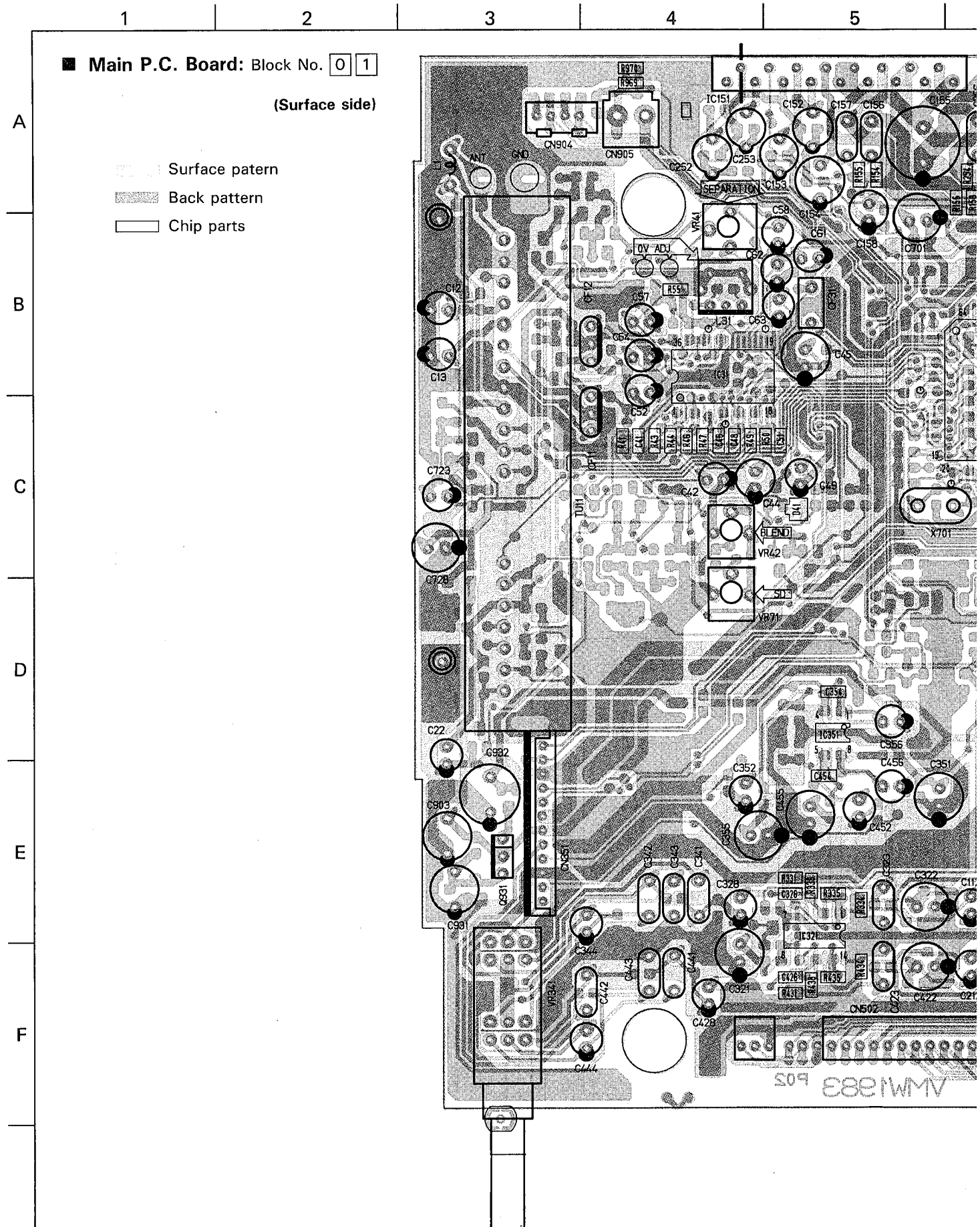
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VAF6S04-001





10. Location of P.C. Board Parts



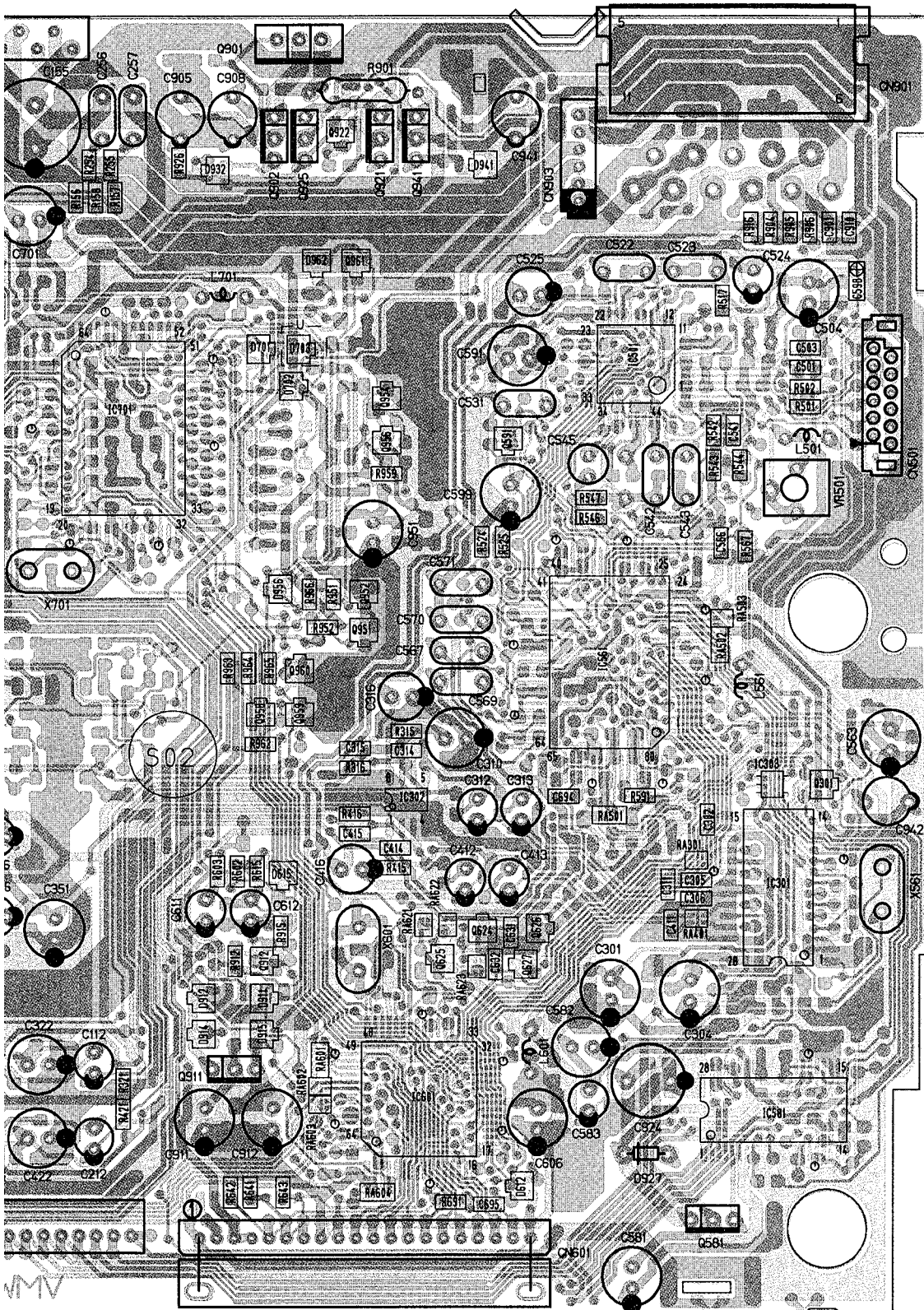
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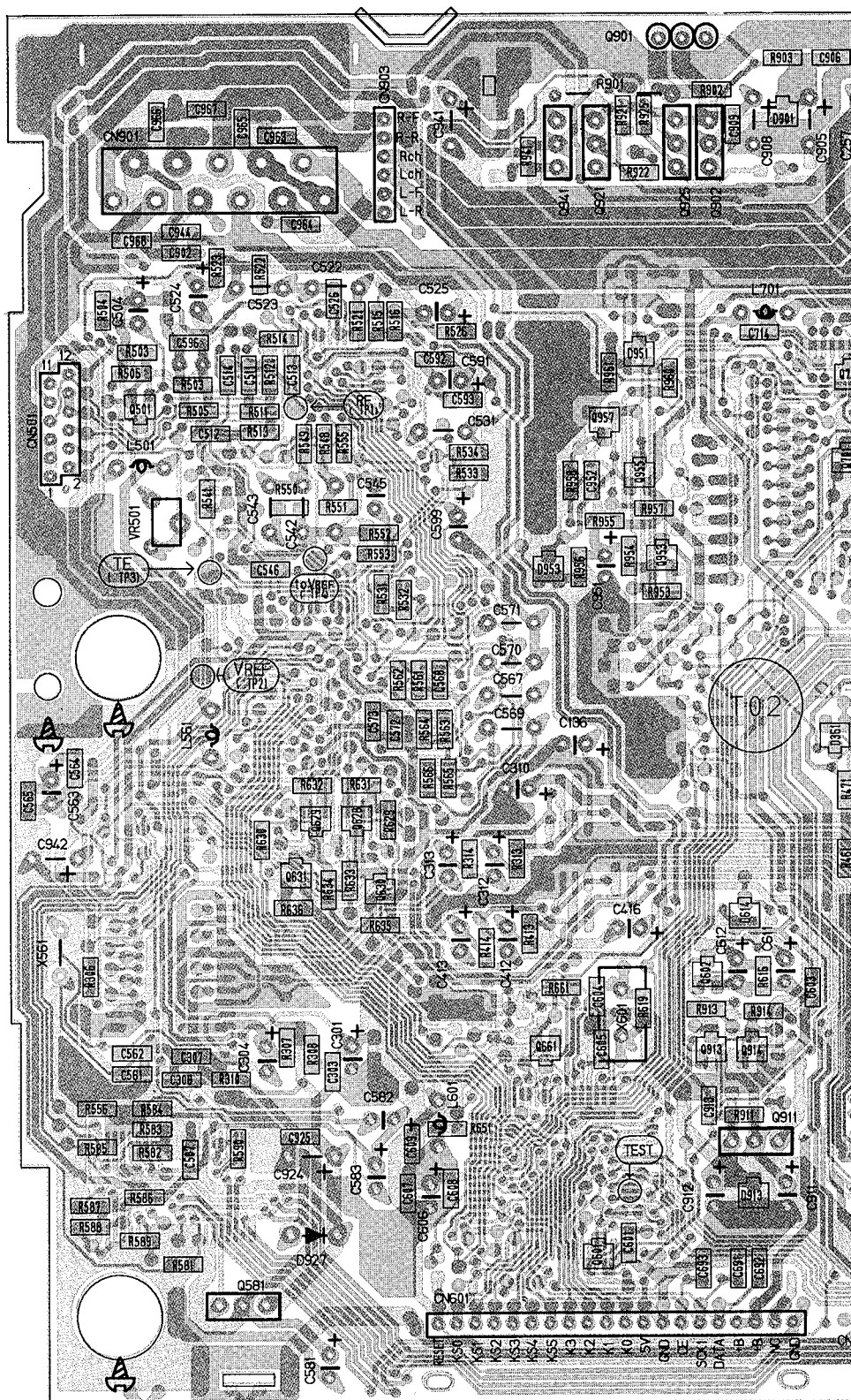
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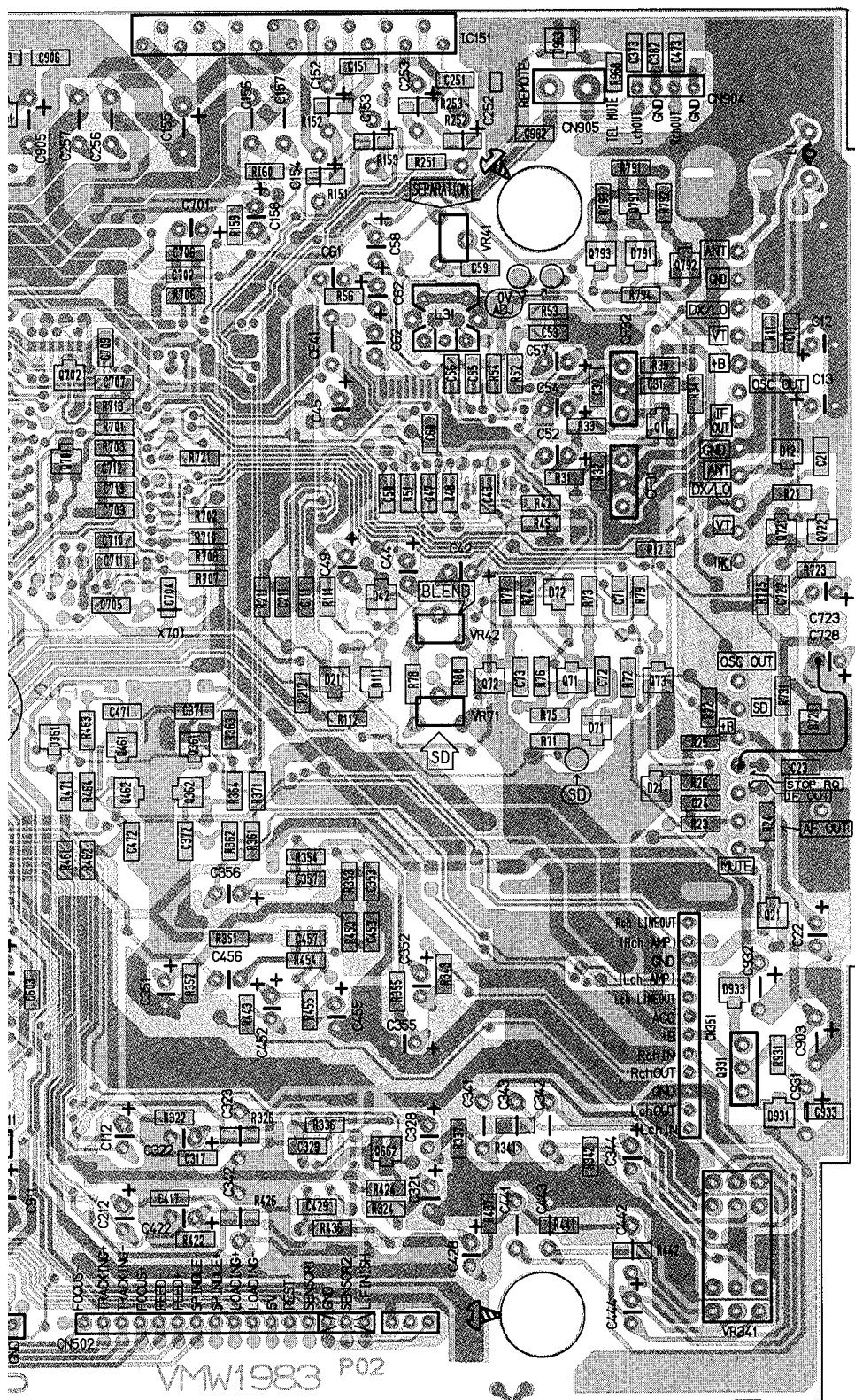
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10



(Back side)





A

B

C

D

E

F

1

2

3

4

5

■ LCD/Switch P.C. Board: Block No. 0 3

A

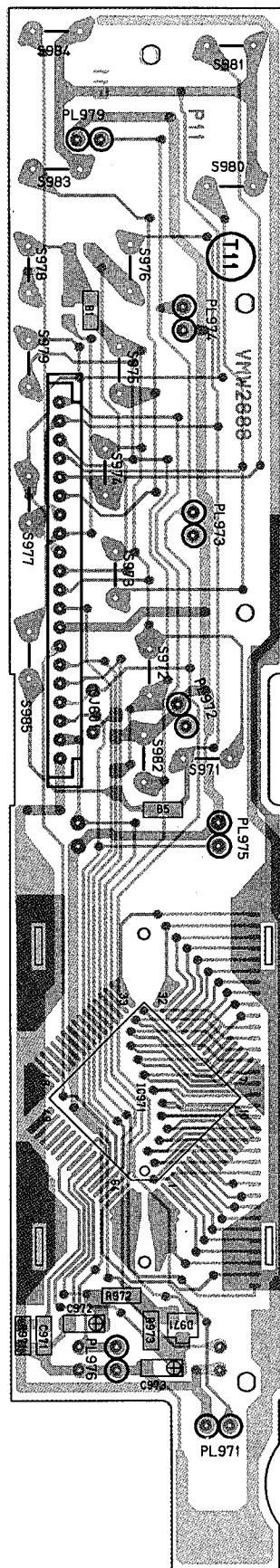
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C

D

E

F



6

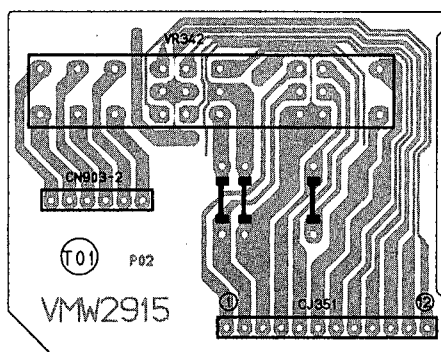
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■ Volume P.C. Board: Block No. 0 2



11. Electrical Parts List

■ Main P.C. Board: Block No. **01**

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 11	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 12	QEK41HM-104	E-CAPACITOR	.10MF 20% 50V	
C 13	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 21	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 22	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 23	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 24	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
C 31	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 32	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 41	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 42	QEK41HM-224	E-CAPACITOR	.22MF 20% 50V	
C 43	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 44	QEK41CM-226	E-CAPACITOR	.22MF 20% 16V	
C 45	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 46	NCB21HK-681AY	C CAPACITOR	.680PF 5% 50V	
C 47	NCB21HK-682AY	C CAPACITOR	.680PF 10% 50V	
C 48	NCB21HK-152AY	C CAPACITOR	.150PF 10% 50V	
C 49	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 50	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 51	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
C 52	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 53	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
C 54	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 55	NCB21HK-102AY	C CAPACITOR	.100PF 10% 50V	
C 56	NCB21HK-120AY	C CAPACITOR	.12PF 5% 50V	
C 57	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 58	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 59	NCB21HK-222AY	C CAPACITOR	.220PF 10% 50V	
C 60	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
C 61	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 62	QEK41HM-224	E-CAPACITOR	.22MF 20% 50V	
C 63	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 71	NCT21CH-471AY	C CAPACITOR	.470PF +50%-10%	
C 72	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
C 73	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
C 111	NCB21HK-273AY	C CAPACITOR	.027MF 10% 25V	
C 112	QEK41EM-475	E-CAPACITOR	.47MF 20% 25V	
C 151	NCB21HK-102AY	C CAPACITOR	.100PF 10% 50V	
C 152	QETC1HM-335ZN	E-CAPACITOR	3.3MF 20% 50V	
C 153	QETC1EM-336ZN	E-CAPACITOR	3.3MF 20% 25V	
C 154	QETC1AM-227ZN	E-CAPACITOR	.220MF 20% 10V	
C 155	QETC1CM-477ZN	E-CAPACITOR	.470MF 20% 16V	
C 156	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 157	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 158	QEK41CM-226	E-CAPACITOR	.22MF 20% 16V	
C 211	NCB21HK-273AY	C CAPACITOR	.027MF 10% 25V	
C 212	QEK41EM-475	E-CAPACITOR	.47MF 20% 25V	
C 251	NCB21HK-102AY	C CAPACITOR	.100PF 10% 50V	
C 252	QETC1HM-335ZN	E-CAPACITOR	3.3MF 20% 50V	
C 253	QETC1EM-336ZN	E-CAPACITOR	3.3MF 20% 25V	
C 256	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 257	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 301	QEK41HM-107ZN	E-CAPACITOR	.100PF 20% 10V	
C 302	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 303	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 304	QEK41AM-107ZN	E-CAPACITOR	.100MF 20% 10V	
C 305	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 306	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 307	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 308	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 310	QEK41AM-107ZN	E-CAPACITOR	.100MF 20% 10V	
C 311	NCB21HJ-221AY	C CAPACITOR	.220PF 5% 50V	
C 312	QEK41EM-475	E-CAPACITOR	.47MF 20% 25V	
C 313	QEK41EM-475	E-CAPACITOR	.47MF 20% 25V	
C 314	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 315	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 316	QEK41CM-476ZN	E-CAPACITOR	.47MF 20% 6.3V	
C 317	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 321	QEK41CM-107ZN	E-CAPACITOR	.100MF 20% 16V	
C 322	QEK41CM-476	E-CAPACITOR	.47MF 20% 16V	
C 323	QFV41HJ-272ZN	M-CAPACITOR	.2700PF 5% 50V	
C 326	NCB21HJ-680AY	C CAPACITOR	.68PF 5% 50V	
C 328	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 329	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 341	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
C 342	QFV41HJ-823	FILM CAPACITOR	.082MF 5% 50V	
C 343	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 344	QEK41HM-684ZN	E-CAPACITOR	.68MF 20% 50V	
C 351	QEK41AM-107ZN	E-CAPACITOR	.100MF 20% 10V	
C 352	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 353	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 354	NCB21HJ-151AY	C CAPACITOR	.150PF 5% 50V	
C 355	QEK41AM-107ZN	E-CAPACITOR	.100MF 20% 10V	
C 356	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 357	NCT21CH-471AY	C CAPACITOR	.470PF +50%-10%	
C 371	NCT21CH-471AY	C CAPACITOR	.470PF +50%-10%	
C 372	NCT21CH-471AY	C CAPACITOR	.470PF +50%-10%	
C 373	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 382	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 411	NCB21HJ-221AY	C CAPACITOR	.220PF 5% 50V	
C 412	QEK41EM-475	E-CAPACITOR	.47MF 20% 25V	
C 413	QEK41EM-475	E-CAPACITOR	.47MF 20% 25V	
C 414	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 415	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 416	QEK41CM-476ZN	E-CAPACITOR	.47MF 20% 6.3V	
C 417	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 422	QEK41CM-476	E-CAPACITOR	.47MF 20% 16V	
C 423	QFV41HJ-272ZN	M-CAPACITOR	.2700PF 5% 50V	
C 426	NCB21HJ-680AY	C CAPACITOR	.68PF 5% 50V	
C 428	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	
C 429	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 441	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
C 442	QFV41HJ-823	FILM CAPACITOR	.082MF 5% 50V	
C 443	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 444	QEK41HM-684ZN	E-CAPACITOR	.68MF 20% 50V	
C 452	QEK41HM-105ZN	E-CAPACITOR	.10MF 20% 50V	
C 453	NCB21HJ-101AY	C CAPACITOR	.100PF 5% 50V	
C 454	NCB21HJ-151AY	C CAPACITOR	.150PF 5% 50V	
C 455	QEK41AM-107ZN	E-CAPACITOR	.100MF 20% 10V	
C 456	QEK41CM-106	E-CAPACITOR	.10MF 20% 16V	

BLOCK NO. 01

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 457	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 471	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 472	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 473	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 501	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 503	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 504	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 505	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 506	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 507	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 511	NCT21HC-300AY	C CAPACITOR	3.0PF 50V	
	C 512	NCT21CH-680	C CAPACITOR	68PF +50:-10% 1	
	C 513	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 514	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 522	QFV81HJ-223	FILM CAPACITOR	.022MF 5% 50V	
	C 523	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
	C 524	QEK41EM-225	E CAPACITOR	2.2MF 20% 50V	
	C 525	QEK41EM-336ZN	E CAPACITOR	33MF 20% 10V	
	C 526	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 531	QFJ31HJ-822ZN	M CAPACITOR	8200PF 5% 50V	
	C 541	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 542	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
	C 543	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 545	QEPJ1HM-1052M	NP-E CAPACITOR	1.0MF 20% 50V	
	C 546	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 561	NCS21HJ-300AY	C CAPACITOR	30PF 5% 50V	
	C 562	NCS21HJ-300AY	C CAPACITOR	30PF 5% 50V	
	C 563	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 564	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 565	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 566	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 567	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 568	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 569	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 570	QFLA1HJ-332ZM	M CAPACITOR	3300PF 5% 50V	
	C 571	QFLA1HJ-332ZM	M CAPACITOR	3300PF 5% 50V	
	C 572	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 573	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 581	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 582	QEK41EM-476	E CAPACITOR	47MF 20% 6.3V	
	C 583	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 591	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 592	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 593	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 594	QEK41EM-335B	TS-E CAPACITOR	3.3MF 20% 35V	
	C 596	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 598	NEF20JM-475RY	TS-E CAPACITOR	4.7MF 20% 6.3V	
	C 599	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 601	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 603	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 604	NCS21HJ-300AY	C CAPACITOR	30PF 5% 50V	
	C 605	NCS21HJ-300AY	C CAPACITOR	30PF 5% 50V	
	C 606	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 607	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 608	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 609	NCB21HK-222AY	C CAPACITOR	2200PF 10% 50V	
	C 611	QEK41EM-474	E CAPACITOR	.47MF 20% 50V	
	C 612	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 631	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 632	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 691	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 692	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 693	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 694	NRS402J-ORONY	MG RESISTOR	5% 1/10W	
	C 695	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 701	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 702	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 703	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 704	NCT21CH-330AY	C CAPACITOR	33PF +50:-10% 1	
	C 705	NCT21CH-220AY	C CAPACITOR	22PF +50:-10% 1	
	C 706	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 707	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 709	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 710	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 711	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 712	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 713	NCS21HJ-300AY	C CAPACITOR	30PF 5% 50V	
	C 714	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 722	QEK41EM-102AY	C CAPACITOR	1000PF 10% 50V	
	C 723	QEK41EM-225	E CAPACITOR	2.2MF 20% 50V	
	C 728	QEK41EM-476	E CAPACITOR	47MF 20% 16V	
	C 901	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 902	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 903	QETC1CM-107ZN	E CAPACITOR	100MF 20% 16V	
	C 905	QETC1CM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 906	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 908	QETC1CM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 909	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 910	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 911	QEK41EM-107ZN	E CAPACITOR	100MF 20% 16V	
	C 912	QEK41EM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 913	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 924	QETC1CM-477ZN	E CAPACITOR	470MF 20% 10V	
	C 925	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 931	QETC1CM-107ZN	E CAPACITOR	100MF 20% 16V	
	C 932	QETC1CM-337ZN	E CAPACITOR	330MF 20% 16V	
	C 933	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
	C 941	QETC1CM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 942	QETC1CM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 944	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 951	QEK41EM-476	E CAPACITOR	47MF 20% 16V	
	C 952	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 962	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 963	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 964	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 965	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 966	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 967	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 968	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	CF 41	CSB456F23	CERA LOCK		

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CN351	VMC0135-012	CONNECTOR		
	CN501	VMC0224-012N	FPC CONNECTOR		
	CN601	VMC0232-S20	CONNECTOR		
	CN901	VG20007-030	FEED THROUGH		
	CN904	VMC0063-004	CONNECTOR		
	CN905	VMC0284-002	CONNECTOR		
	D 12	MA153	DIODE		
	D 21	MA3062(M)	ZENER DIODE		
	D 41	HSM2836C	DIODE		
	D 42	MA153	DIODE		
	D 71	HSM2838C	DIODE		
	D 72	HSM2838C	DIODE		
	D 111	HSM2838C	DIODE		
	D 211	HSM2838C	DIODE		
	D 361	HSM2836C	DIODE		
	D 612	HSM2836C	DIODE		
	D 614	HSM2838C	DIODE		
	D 615	HSM2836C	DIODE		
	D 701	HSM2836C	DIODE		
	D 702	HSM2836C	DIODE		
	D 703	HSM2836C	DIODE		
	D 721	MA3091(M)	ZENER DIODE		
	D 791	HSM2838C	DIODE		
	D 901	MA3091(M)	ZENER DIODE		
	D 911	HSM2836C	DIODE		
	D 912	HSM2836C	DIODE		
	D 913	MA3062(M)	ZENER DIODE		
	D 914	HSM2836C	DIODE		
	D 915	HSM2836C	DIODE		
	D 927	DSK10C-E	DIODE		
	D 931	MA3110(M)	ZENER DIODE		
	D 932	HSM2838C	DIODE		
	D 933	MC2836	DIODE		
	D 941	MA3051(M)	ZENER DIODE		
	D 951	MA3082(L)	ZENER DIODE		
	D 953	HSM2838C	DIODE		
	D 956	HSM2838C	DIODE		
	D 962	HSM2838C	DIODE		
	D 963	MA3075(H)	ZENER DIODE		
	IC 31	LA1862M	IC		
	IC151	TAB205AH	IC		
	IC301	SM5871AS	IC		
	IC302	AN6556S	IC CMOS		
	IC303	SC7504F-W	IC		
	IC321	BA3129FR	IC		
	IC351	AN6558S	IC		
	IC501	TAB191F	IC		
	IC561	TC9236AF	IC		
	IC581	BA6296FP	IC		
	IC601	HD614089HD08	IC		
	IC701	UP017236F-550	IC		
	L 1	VQP0015-4R7Z	INDUCTOR		
	L 2	VQP0019-332	INDUCTOR		
	L 31	VQ17F07-504	IFT		
	L 501	VQP0015-4R7Z	INDUCTOR		

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	L 561	VQP0015-4R7Z	INDUCTOR		
	L 601	VQP0015-120	INDUCTOR		
	L 701	VQP0015-4R7Z	INDUCTOR		
	Q 11	2SC2814 (F4F5)HL	TRANSISTOR		
	Q 21	UN2211	TRANSISTOR		
	Q 71	2SD601A(R)	TRANSISTOR		
	Q 72	2SD601A(R)	TRANSISTOR		
	Q 73	UN2211	TRANSISTOR		
	Q 301	UN2211	TRANSISTOR		
	Q 361	2SD1935(7.8)	TRANSISTOR		
	Q 362	2SD1935(7.8)	TRANSISTOR		
	Q 461	2SD1935(7.8)	TRANSISTOR		
	Q 462	2SD1935(7.8)	TRANSISTOR		
	Q 501	2SA1179(M6M7)HL	TRANSISTOR		
	Q 581	2SB1322(RS)	TRANSISTOR		
	Q 591	2SA1179(M6M7)HL	TRANSISTOR		
	Q 601	UN2211	TRANSISTOR		
	Q 602	2SD601A(R)	TRANSISTOR		
	Q 624	UN2211	TRANSISTOR		
	Q 625	UN2211	TRANSISTOR		
	Q 626	2SD601A(R)	TRANSISTOR		
	Q 627	2SD601A(R)	TRANSISTOR		
	Q 628	2SA1362GR	TRANSISTOR		
	Q 629	2SA1362GR	TRANSISTOR		
	Q 630	2SD1935(7.8)	TRANSISTOR		
	Q 631	2SD1935(7.8)	TRANSISTOR		
	Q 661	UN2211	TRANSISTOR		
	Q 662	UN2211	TRANSISTOR		
	Q 701	UN2111	TRANSISTOR		
	Q 702	UN2211	TRANSISTOR		
	Q 721	2SD601A(R)	TRANSISTOR		
	Q 722	2SD601A(R)	TRANSISTOR		
	Q 791	2SA1362GR	TRANSISTOR		
	Q 792	UN2211	TRANSISTOR		
	Q 793	2SA1179(M6M7)HL	TRANSISTOR		
	Q 901	2SB941A(P,Q)	TRANSISTOR		
	Q 902	2SD1994(R,S)	TRANSISTOR		
	Q 911	2SD1994(R,S)	TRANSISTOR		
	Q 912	2SA1362GR	TRANSISTOR		
	Q 913	UN2211	TRANSISTOR		
	Q 914	UN2211	TRANSISTOR		
	Q 921	2SB1322(RS)	TRANSISTOR		
	Q 922	UN2211	TRANSISTOR		
	Q 925	2SB1322(RS)	TRANSISTOR		
	Q 931	2SD1994(R,S)	TRANSISTOR		
	Q 941	2SD1994(R,S)	TRANSISTOR		
	Q 951	UN2211	TRANSISTOR		
	Q 952	2SD601A(R)	TRANSISTOR		
	Q 953	2SD601A(R)	TRANSISTOR		
	Q 954	2SD601A(R)	TRANSISTOR		
	Q 955	UN2211	TRANSISTOR		
	Q 956	2SD601A(R)	TRANSISTOR		
	Q 957	UN2211	TRANSISTOR		
	Q 958	UN2211	TRANSISTOR		
	Q 959	UN2211	TRANSISTOR		

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 251	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		
R 252	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 253	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W		
R 254	NRSA02J-1R0NY	MG RESISTOR	1.0 5% 1/10W		
R 255	NRSA02J-1R0NY	MG RESISTOR	1.0 5% 1/10W		
R 306	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 307	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W		
R 308	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W		
R 310	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W		
R 313	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		
R 314	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		
R 315	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		
R 316	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		
R 321	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 322	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 324	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 326	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W		
R 331	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W		
R 334	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 335	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W		
R 336	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 337	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 338	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		
R 341	NRSA02J-512NY	MG RESISTOR	5.1K 5% 1/10W		
R 342	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W		
R 343	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W		
R 351	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 352	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 353	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 354	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 355	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W		
R 361	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 362	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 363	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 364	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 371	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W		
R 413	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		
R 414	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		
R 415	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		
R 416	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		
R 421	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 422	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 424	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 426	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W		
R 431	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W		
R 434	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 435	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W		
R 436	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 437	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 438	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		
R 441	NRSA02J-512NY	MG RESISTOR	5.1K 5% 1/10W		
R 442	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W		
R 443	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W		
R 453	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 454	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q 960	UN2211	TRANSISTOR			
Q 961	UN2111	TRANSISTOR			
R 11	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 12	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W		
R 21	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 22	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 23	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 24	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 25	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 26	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W		
R 31	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W		
R 32	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W		
R 33	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W		
R 34	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W		
R 35	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		
R 41	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		
R 42	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W		
R 43	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		
R 44	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W		
R 45	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W		
R 46	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 47	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		
R 48	NRSA02J-752NY	MG RESISTOR	7.5K 5% 1/10W		
R 49	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 50	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W		
R 51	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 52	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W		
R 53	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W		
R 54	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 55	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W		
R 56	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W		
R 71	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 72	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 73	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 74	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 75	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 76	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 77	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 78	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 79	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 80	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 111	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 112	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 151	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		
R 152	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 153	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W		
R 154	NRSA02J-1R0NY	MG RESISTOR	1.0 5% 1/10W		
R 155	NRSA02J-1R0NY	MG RESISTOR	1.0 5% 1/10W		
R 156	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 157	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 158	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 159	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W		
R 160	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 211	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		
R 212	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		

BLOCK NO. 01

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 455	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 461	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 462	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 463	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 464	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 471	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 501	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
	R 502	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 503	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W	
	R 504	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 505	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W	
	R 511	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 512	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 513	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 514	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 515	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 516	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 517	NRSA02J-202NY	CARDON RESISTOR	2.0K 5% 1/10W	
	R 521	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 522	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 523	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 524	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 525	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 526	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 531	NRSA02J-473NY	MG RESISTOR	4.7K 5% 1/10W	
	R 532	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 533	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 534	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 541	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 542	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 543	NRSA02J-473NY	MG RESISTOR	4.7K 5% 1/10W	
	R 544	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 546	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 547	NRSA02J-473NY	MG RESISTOR	4.7K 5% 1/10W	
	R 548	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 549	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 550	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 551	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 552	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 553	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 555	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 556	NRSA02J-564NY	MG RESISTOR	560K 5% 1/10W	
	R 561	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 562	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 563	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 564	NRSA02J-473NY	MG RESISTOR	4.7K 5% 1/10W	
	R 565	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 566	NRSA02J-533NY	MG RESISTOR	53K 5% 1/10W	
	R 567	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 581	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 582	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 583	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 584	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 585	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 586	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 587	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 588	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 589	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 590	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 591	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 602	NRSA02J-473NY	MG RESISTOR	4.7K 5% 1/10W	
	R 603	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 615	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 616	NRSA02J-473NY	MG RESISTOR	4.7K 5% 1/10W	
	R 619	NRSA02J-105NY	MG RESISTOR	1.0M 5% 1/10W	
	R 629	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 630	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 631	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 632	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 633	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 634	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 635	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 636	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 641	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 642	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 643	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 651	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 661	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 691	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 701	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 702	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 703	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 706	NRSA02J-474NY	MG RESISTOR	470K 5% 1/10W	
	R 707	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 708	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 710	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 713	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 721	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 723	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 725	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 731	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 791	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 792	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 793	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 794	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 901	GRX019J-R47A	M.F. RESISTOR	5% 1/1W	
	R 902	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 903	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 904	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 905	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 906	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 911	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 912	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 913	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 914	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 915	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 916	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 921	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 922	NRSA02J-471NY	MG RESISTOR	4.7K 5% 1/10W	
	R 925	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	

BLOCK NO. 02

LCD/ Switch P.C. board

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 971	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
C 972	NEF20JM-475RY	TS-E-CAPACITOR	4.7MF 20% 6.3V	
C 973	NEF20JM-475RY	TS-E-CAPACITOR	4.7MF 20% 6.3V	
CJ601	VMC0232-P20	CONNECTOR		
D 971	HSM2836C	DIODE		
IC971	LC7582A	IC		
PL971	VGZ0001-037	LAMP		
PL972	VGZ0001-037	LAMP		
PL973	VGZ0001-037	LAMP		
PL974	VGZ0001-037	LAMP		
PL975	VGZ0001-037	LAMP		
PL976	VGZ0001-037	LAMP		
PL979	VGZ0001-037	LAMP		
R 971	NRS02J-513NY	MG RESISTOR	51K 5% 1/10W	
R 972	NRS02J-221NY	MG RESISTOR	220 5% 1/10W	
R 973	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
S 971	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 972	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 973	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 974	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 975	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 976	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 977	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 978	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 979	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 980	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 981	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 982	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 983	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 984	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	
S 985	QSP1A11-V06AZ	TACT SWITCH	260G,H=4.3,K.TO	

BLOCK NO. 03

Volume P. C. board

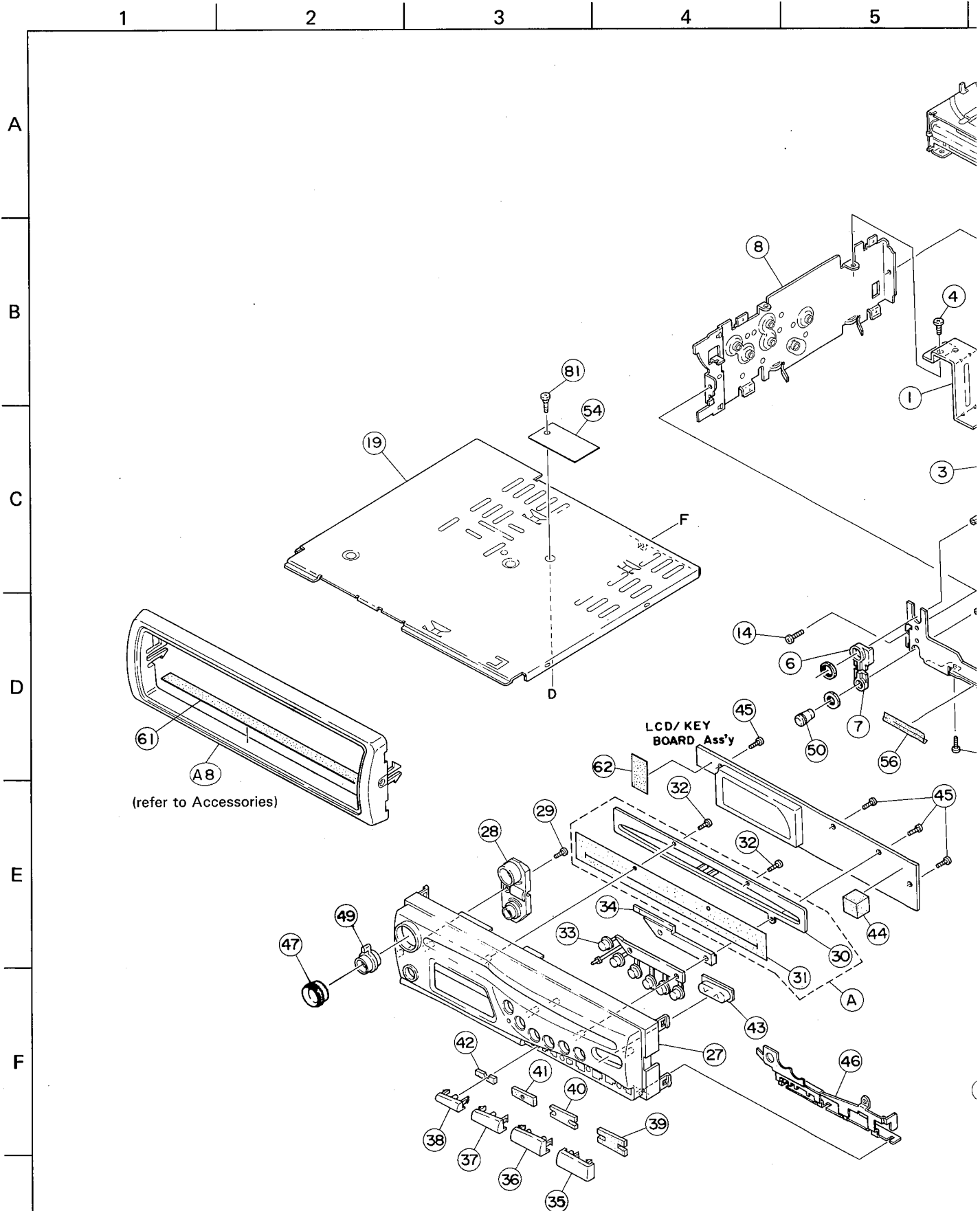
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CJ351	VMC0136-012	CONNECTOR		
VR342	VCV1001-140	V.RESISTOR	VOL,BAL,FADER	

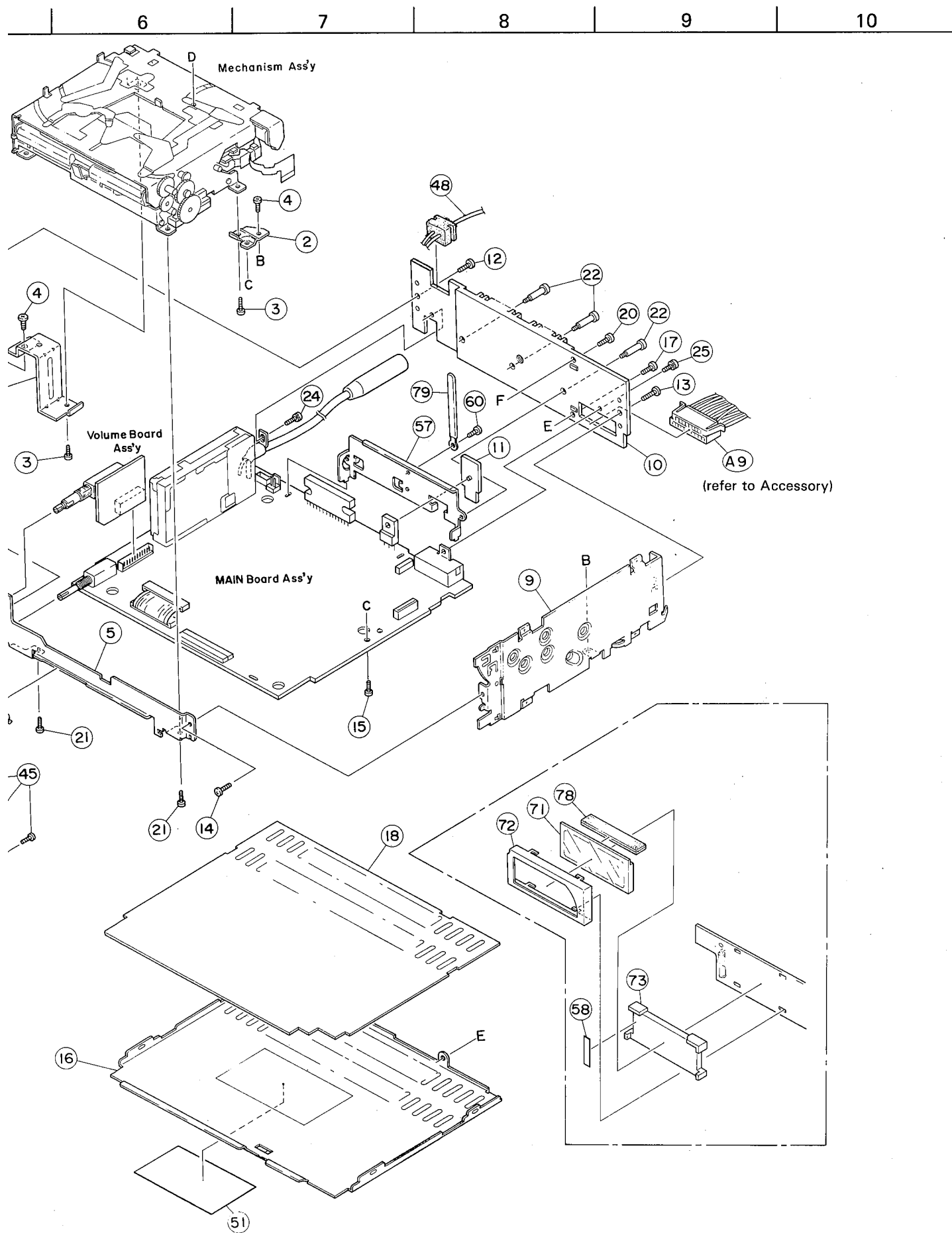
BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 926	NRS02J-471NY	MG RESISTOR	470 5% 1/10W	
R 931	NRS02J-471NY	MG RESISTOR	470 5% 1/10W	
R 941	NRS02J-471NY	MG RESISTOR	470 5% 1/10W	
R 951	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 952	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 953	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 954	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 955	NRS02J-683NY	MG RESISTOR	68K 5% 1/10W	
R 956	NRS02J-100NY	MG RESISTOR	10 5% 1/10W	
R 957	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 958	NRS02J-471NY	MG RESISTOR	470 5% 1/10W	
R 959	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 960	NRS02J-471NY	MG RESISTOR	470 5% 1/10W	
R 961	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 962	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 963	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 964	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 965	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 966	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 968	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
RA301	EXB4VJ-103Y	NET RESISTOR		
RA401	EXB4VJ-103Y	NET RESISTOR		
RA501	EXB8VJ-103Y	NET RESISTOR		
RA502	EXB8VJ-472Y	NET RESISTOR		
RA503	EXB4VJ-472Y	NET RESISTOR		
RA601	EXB8VJ-103Y	NET RESISTOR		
RA602	EXB4VJ-333Y	NET RESISTOR		
RA603	EXB4VJ-103Y	NET RESISTOR		
RA604	EXB8VJ-103Y	NET RESISTOR		
RA621	EXB4VJ-472Y	NET RESISTOR		
RA622	EXB4VJ-103Y	NET RESISTOR		
RA623	EXB4VJ-103Y	NET RESISTOR		
VR 41	QVPA601-333	V.RESISTOR	BLEND ADJ.	
VR 42	QVZ3523-223	V.RESISTOR	BLEND ADJ.	
VR 71	QVPA601-503A	V.RESISTOR	FM STOP ADJ.	
VR341	VCV1001-150	V.RESISTOR	BASS&TREBLE	
VR501	QVZ3523-104	V.RESISTOR	TR OFFSET ADJ.	
X 561	VCX5016-934V	CRYSTAL		
X 701	V472124-A0	CRYSTAL		

12. Analytic Drawing and Parts List

■ Enclosure Assembly Part



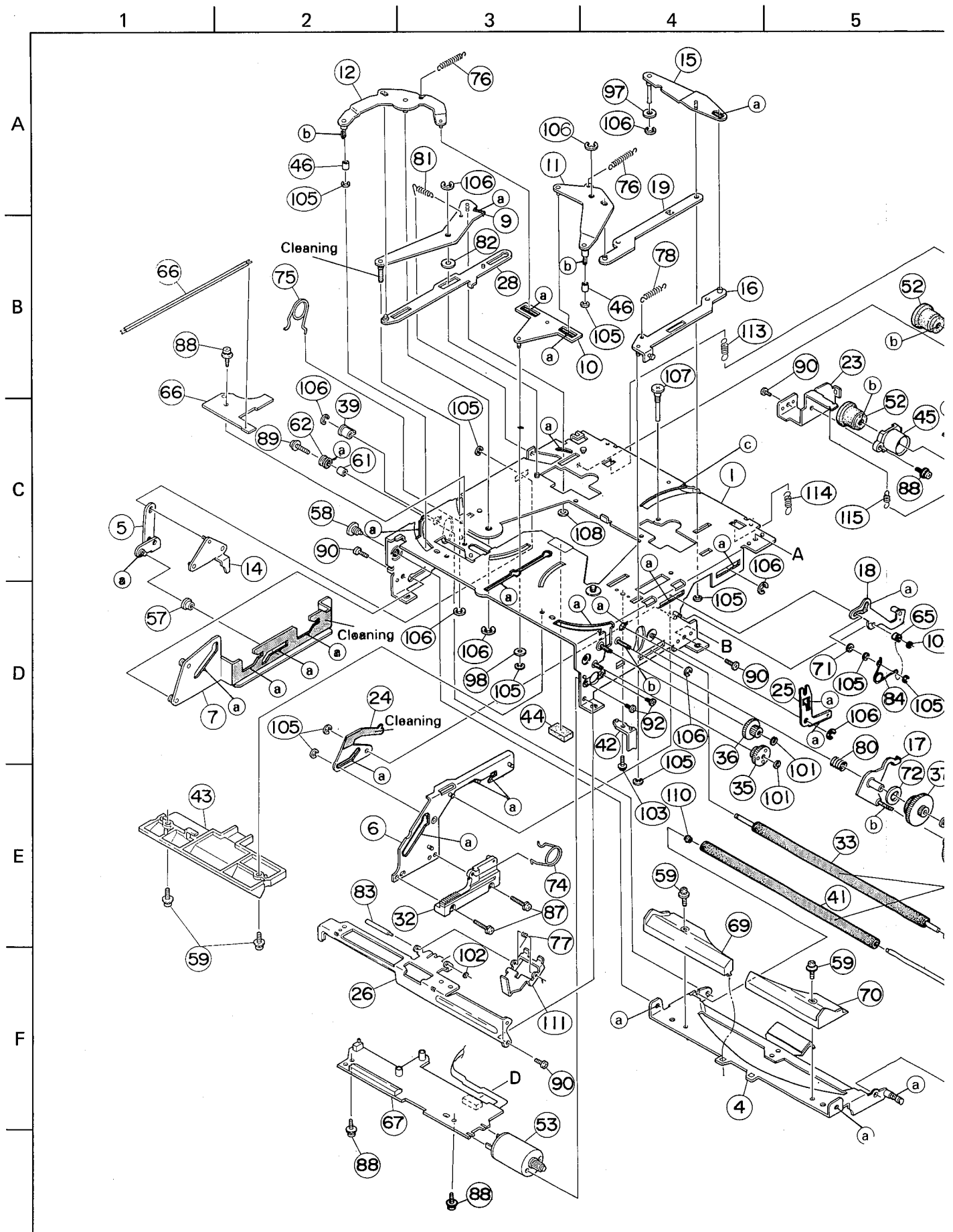


■ Enclosure assembly parts List

BLOCK NO. M1MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	ZCXLG2900K-GUID	DISK GUIDE	REF.30,31	1		
	1	VKL7201-002	MECHA BRACKET		1		
	2	VKL7202-002	MECHA BRACKET		1		
	3	SPSP2606Z	SCREW	REF.2:MECHA BKT	2		
	4	SDST2606Z	SCREW	REF.1:MECHA BKT	1		
		SDST2606Z	SCREW	REF.2:MECHA BKT	1		
	5	VKM3599-002	FRONT BRACKET		1		
	6	VKS3590-002	VOLUME HOLDER	M.PWB+CHASSIS	1		
	7	VKS3590-003	VOLUME HOLDER		1		
	8	VKL2582-205	SIDE BKT(L)	CHASSIS+M.PWB	1		
	9	VKL2583-205	SIDE BRACKET(R)	TUNER PACK	1		
	10	VJC3248-002	REAR PANEL		1		
	11	VMH4041-001	HEAT SINK	POWER TRANSISTE	1		
	12	SDST2606Z	SCREW	SIDE(L)+REAR	1		
	13	SDST2606Z	SCREW	SIDE(R)+REAR	1		
	14	SDST2606Z	SCREW	SIDE BK+FRONT B	2		
	15	VKZ4345-005	SPECIAL SCREW	MAIN PWB+SIDE(R	1		
	16	VKM3500-203	BOTTOM COVER		1		
	17	SDSP2606Z	SCREW	BOTTOM+REAR	1		
	18	VMA3152-008	INSULATOR	BOTTOM	1		
	19	VKM3216-007	TOP COVER		1		
	20	SDSP2606Z	SCREW	TOP+REAR	1		
	21	SPSP2606Z	SCREW	MECHA+F.BKT	2		
	22	VKZ4553-002	SPECIAL SCREW	IC BKT+REAR	3		
	24	LPSP2606Z	SCREW	ANT BKT	1		
	25	LPSP2606Z	SCREW	11 PIN CON.	1		
	26	VMP0029-008	ANT.SOCKET		1		
	27	VJG1102-005	NOSE PIECE		1		
	28	VJK3588-001	KNOB LENS		1		
	29	SPSN1755N	MINI SCREW	KNOB LENS	1		
	30	VKS3591-002	DISC GUIDE		1		
	31	VYTA509-003	BLIND		1		
	32	SPSN1755N	MINI SCREW	NOSE+LID	2		
	33	VXP3512-001	PRESET BUTTON	PRESET1-6	1		
	34	VJK3587-002	LIGHT LENS		1		
	35	VXP3518-001	PUSH BUTTON	PLAY/PAUSE/EJEC	1		
	36	VXP3519-001	PUSH BUTTON	RNDM/INTRO	1		
	37	VXP3520-001	PUSH BUTTON	BAND/+5	1		
	38	VXP3521-002	PUSH BUTTON	RPT	1		
	39	VYTH512-001	BUTTON CUSHION	PLAY/PAUSE/EJEC	1		
	40	VYTH513-001	BUTTON CUSHION	RNDM/INTRO	1		
	41	VYTH514-001	BUTTON CUSHION	BAND/+5	1		
	42	VYTH515-001	BUTTON CUSHION	RPT/ILL	1		
	43	VXP5126-001	PUSH BUTTON	UP/DOWN	1		
	44	VYTH509-001	BUTTON CUSHION	UP/DOWN	1		
	45	SPSN1755N	MINI SCREW	NOSE+LCD PWB	4		
	46	VMA3203-002	SHIELD		1		
	47	VXL4356-00D	VOL.KNOB ASS'Y		1		
	48	VMP3271-001	REMOTE CORD ASS		1		
	49	VXL4358-001	FADER KNOB		1		
	50	VXL4333-003	KNOB	BASS/TREBLE	1		
	51	VYN3446-001SA	NAME PLATE		1		
	54	VND4966-001	CAUTION CARD	TRANS.CAUTION	1		
	56	VYSA1R6-042	SPACER	FRONT BKT	1		
	57	VKL7203-002	IC BRACKET		1		

Mechanism Assembly Part





■ Mechanism Assembly Part

BLOCK NO. M2MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
1	P-X238-W	CHASSIS ASS'Y		1		
2	P-X275-W	PICK BASE ASS'Y		1		
3	P-X240-W	CHUCK ARM ASS'Y		1		
4	P-X276-W	UP LEVER ASS'Y		1		
5	P-X242-W	CHANGE LEVER		1		
6	P-X243-W	DOWN LEVER (R)		1		
7	P-X244-W	DOWN LEVER (L)		1		
8	A-0062-W	CHUCK ASS'Y		1		
9	P-X245-W	SENSOR LEVER		1		
10	P-X246-W	D.CHANG PLATE		1		
11	P-X247-W	D.CHANG ARM (R)		1		
12	P-X248-W	D.CHANG ARM (L)		1		
13	M-X060-W	DISC STOPPER		1		
14	P-X249-W	PICK LOCK LEVER		1		
15	P-X250-W	SET START ARM		1		
16	P-X251-W	UNLOCK LEVER		1		
17	P-X252-W	SET GEAR ARM		1		
18	P-X260-W	UPPER LEVER	CHACK ARM	1		
19	P-0488-W	OPERATION LEVER	SET ARM	1		
20	P-0489-W	SPRING PLATE(R)	STOPER	1		
21	P-0490-W	SPRING PLATE(L)	STOPER	1		
22	P-0547-W	DUMPER BRACKET	FRONT RIGHT	1		
23	P-0548-W	DUMPER BRACKET	FRONT LEFT	1		
24	P-0511-W	PIC.LOCK.LEVER	RIGHT	1		
25	P-0494-W	LOCK LEVER		1		
26	P-0549-W	STIFFENER ANGLE		1		
27	P-0496-W	DUMPER BRACKET	REAR LEFT	1		
28	P-X254-W	LOCK PLATE ASSY	SENSOR	1		
29	P-0550-W	SWITCH PLATE		1		
30	P-X277-W	TIP PLATE ASS'Y	FEED	1		
31	P-0552-W	SPRING PLATE	FEED GEAR	1		
32	A-0063-W	DOWN RACK ASS'Y		1		
33	A-0064-W	LOAD.ROLLER (A)		1		
34	A-0065-W	F.GEAR ASS'Y(A)	FEED	1		
35	M-0232-W	LOADING GEAR(A)		1		
36	M-0296-W	LOADING GEAR(B)		1		
37	M-0234-W	LOADING GEAR(C)		1		
38	M-0235-W	SET GEAR		1		
39	M-0236-W	METAL		2		
40	M-0237-W	LOAD ROLL GEAR		1		
41	M-0238-W	LOAD.ROLLER(B)		1		
42	M-0302-W	R.GUIDE		1		
43	M-0304-W	DISC GUIDE TOP		1		
44	M-0241-W	CHUCK PUSHER		1		
45	M-0242-W	DUMPER CASE		4		
46	M-0243-W	COLLAR	DISC CHANG	2		
47	M-0245-W	CHUCK POLYS		1		
48	M-0305-W	PIC-UP BASE		1		
49	M-0249-W	FEED GEAR(B)		1		
50	M-0250-W	FEED TIP		1		
51	M-0312-W	CHUCK RUBBER(B)		1		
52	M-X065-W	DUMPER ASS'Y		4		
53	K-0256-W	LOAD.MOTOR ASSY		1		
54	K-0360-W	FEED MOTOR ASSY		1		

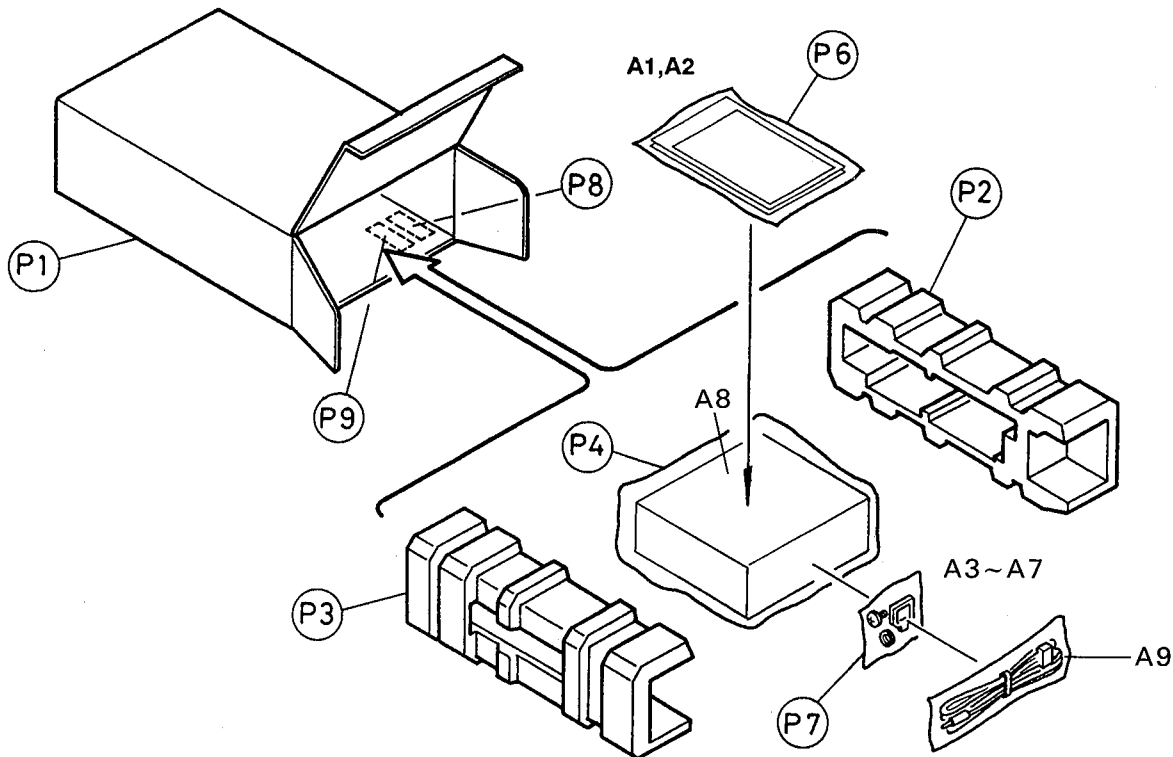
BLOCK NO. M2MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
55	E-X075-W	LEAF SWITCH		1		
56	E-X180-W	PICK-UP ASS'Y		1		
57	F-0590-W	SHAFT COLLAR	CHANGE LEVER	1		
58	F-0592-W	UP.LEVER SCREW		1		
59	B-0015-W	SCREW		4		
60	F-0616-W	ROLLER SHAFT(B)		1		
61	F-0568-W	UP SHAFT COLLAR		1		
62	F-0597-W	UP SHAFT(L)		1		
63	F-0667-W	MAIN PIC SHAFT		1		
64	F-0668-W	SUB PIC SHAFT		1		
65	F-0606-W	SPRING COLLAR		1		
66	K-0366-W	SENSOR BOARD		1		
67	K-0365-W	MAIN PCB ASS'Y		1		
68	M-0254-W	GUIDE RUBBER		1		
69	M-0301-W	GUIDE UNDER(L)		1		
70	M-0303-W	GUIDE UNDER(R)		1		
71	B-0020-W	WASHER	(2X5X0.3)	1		
72	M-0253-W	SET GEAR FELT		1		
73	S-0280-W	SUB SPRING	CHACK ARM	1		
74	S-0264-W	TORSION SPRING	RACK	1		
75	S-0265-W	UP SPRING (L)		1		
76	S-0266-W	ARM SPRING	DISC CHANG	2		
77	S-0300-W	LEVER SPRING	STOP	1		
78	S-0268-W	SPRING	UNLOCK LEVER	1		
79	S-0269-W	SPRING	CHUCK ARM	1		
80	S-0270-W	SPRING	SET GEAR ARM	1		
81	S-0271-W	SPRING	SENSOR LEVER	1		
82	M-0315-W	P.WASHER	2.6X5X0.13	1		
83	F-0665-W	SHAFT	STOP LEVER	1		
84	S-0276-W	REVERSE SPRING	LEVER	1		
85	S-0301-W	SPRING	FEED TIP	1		
86	QHX5080-001	WIRE CLAMP		1		
87	B-0035-W	SCREW	DOWN RACK	3		
88	B-0022-W	SCREW	(2X5)	10		
89	B-0023-W	SCREW	UP SHAFT	1		
90	SDSP2003Z	SCREW		5		
91	SPSH2030N	MINI SCREW	FEED TIP PLATE	2		
92	SPSK2022M	MINI SCREW		5		
93	SPSH1720M	MINI SCREW	CHACK	2		
94	B-0029-W	SCREW	PICK BASE	2		
95	B-0025-W	SCREW	PICK BASE	2		
96	B-0016-W	SCREW	LEAF SWITCH	1		
97	B-0030-W	WASHER	SET START	1		
98	B-0031-W	WASHER	DISC SELECT PLA	1		
99	SDSP2004Z	SCREW	FEED MOTOR	2		
101	M-0318-W	SLIT WASHER	(1.6X3.2X0.25)	3		
102	M-0319-W	SLIT WASHER	(1.2X3X0.25)	3		
103	B-0018-W	SCREW		1		
104	W-X021-W	CONNECTOR ASS'Y		1		
105	REE1500	E.RING		13		
106	REE2000	E.RING		9		
107	F-0594-W	STOPPER SCREW		1		
108	M-0320-W	SLIT WASHER	SENSOR LEVER	1		
109	M-0321-W	WASHER	FEED GEAR	1		

BLOCK NO. M2MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	110	M-0261-W	ROLLER SFT BUSH		2		
	111	P-0546-W	STOP LEVER		1		
	112	P-0554-W	WIRE CLAMPER		1		
	113	S-0304-W	DUMPER SPRING	RL	1		
	114	S-0303-W	DUMPER SPRING		1		
	115	S-0302-W	DUMPER SPRING	FRONT LEFT	2		
	116	S-0305-W	DUMPER SPRING	FRONT RIGHT	2		
	117	B-0036-W	WASHER		1		
	118	M-0322-W	CHUCK RUBBER(B)		1		

13. Illustration of Packing and Parts List



■ Packing Parts List

BLOCK NO. M3MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
P	1	VPC3446-001	CARTON		1		
P	2	VPH1587-002	CUSHION(L)		1		
P	3	VPH1588-001	CUSHION(R)		1		
P	4	VPE3005-066	POLY BAG	FOR SET	1		
P	6	QPGA017-02505	POLY BAG	INSTRUCTIONS	1		
P	7	QPGA008-01205	POLY BAG	SCREW PARTS KIT	1		
P	8	VND3046-001	SERIAL TICKET	CARTON	1		

14. Accessories

BLOCK NO. M4M1111

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN3446-632	INSTRUCTIONS		1		
	A 2	VNC2400-090	CAUTION SHEET		1		
	A 3	VKZ4725-001	PLUG NUT		1		
	A 4	VKH4871-002	MOUNT BOLT		1		
	A 5	VKZ4671-001	SPECIAL SCREW		2		
	A 6	VKY3129-001	SIDE SPRING		2		
	A 7	VKL7233-001	HOOK		2		
	A 8	VJD2392-002	TRIM PLATE		1		
	A 9	VMC0014-138	11P CORD ASS'Y		1		
	KIT	XLG2900U-SCREW	SCREW PARTS KIT	REF.P7,A3-A7	1		

JVC

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