

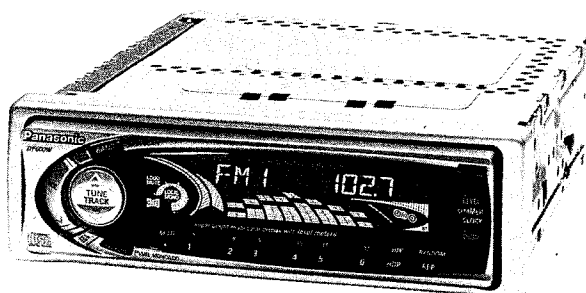
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS



CQ-DF600W CQ-DF200W

High-Power CD Player / Receiver with
Changer Control



<CQ-DF600W>

Specification*

General

Power Supply

DC 12V (11V - 16V),

Test Voltage 14.4V

Negative Ground

Tone Adjustment Range

Bass ; ± 12 dB at 100Hz

Treble ; ± 12 dB at 10kHz

Current Consumption

Less than 2.2A (CD play mode,
0.5Wx4)

Maximum Power Output

<CQ-DF600W> 45Wx4ch, at 400Hz, Vol. MAX

<CQ-DF200W> 40Wx4ch, at 400Hz, Vol. MAX

Power Output

<CQ-DF600W> 22Wx4 (DIN45 324, at 4 Ω)

<CQ-DF200W> 20Wx4 (DIN45 324, at 4 Ω)

Pre-AMP Output Voltage

2.0V (CD play mode ; 1kHz 0dB)

Sub-Woofer Output Voltage

<Only for CQ-DF600W> 2.0V (CD play mode ; 1kHz, 0dB)

Output Impedance

200 Ω

Suitable Speaker Impedance

4-8 Ω

AM Radio

Frequency Range

531 - 1,602kHz

Usable Sensitivity

28dB/ μ V (25 μ V, S/N 20dB)

FM Stereo Radio

Frequency Range

87.5 - 108.0MHz

Usable Sensitivity

6dB/ μ V (S/N 30dB)

Stereo Separation

42dB at 1,000Hz

CD Player

Sampling Frequency

32 times over sampling

Pick-Up Type

Astigma 3-beam

Light Source

Semiconductor Laser

Wavelength

780nm

Frequency Response

20Hz to 20,000Hz (± 1 dB)

Signal to Noise Ratio

96dB

Wow and Flutter

Below measurable limits

Channel Separation

75dB

Dimensions**

178x50x150mm

Weight**

1.5kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

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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.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

CONTENTS

	Page		Page
1 FEATUERS	2	9 TERMINALS DESCRIPTION	11
2 REPLACEING THE FUSE	2	10 PACKAGE AND IC BLOCK DIAGRAM	13
3 MAINTENANCE	2	11 REPLACEMENT PARTS LIST	16
4 NOTES	2	12 EXPLODED VIEW (Unit)	21
5 DIMENSIONS	2	13 CD PLAYER PARTS	22
6 OPERATING INSTRUCTIONS	3	14 EXPLODED VIEW (CD Deck)	24
7 WIRING CONNECTION	9	15 WIRING DIAGRAM	25
8 BLOCK DIAGRAM	10	16 SCHEMATIC DIAGRAM	31

1 FEATUERS

- 32bit-times over sampling MASH 1bit 4-DAC system.
- Digital servo for reliable playback.
- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan

2 REPLACEING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

3 MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

4 NOTES**[RADIO BLOCK]**

Do not align the AM and FM package blocks. When the package block is necessary, it will be supplied already aligned at the factory.

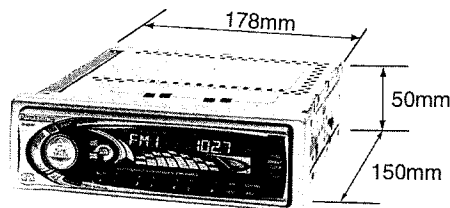
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

[OTHER]

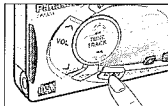
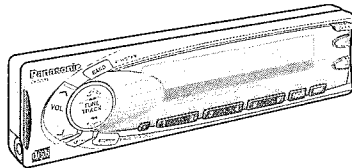
This operating instruction manual is for 2 models CQ-DF600W and DF200W. All illustrations throughout this manual represent model CQ-DF600W unless otherwise specified. The following table describes the differences between 2 models.

	DF600W	DF200W
Pre-Out	Lead type	Fix type
Sub Woofer-Out	Yes	None
Sub Woofer-Out Level	2V	None
Super HDB	FLAT/BOOM/TIGHT	On/Off
LCD Color	3 Colors	Blue

5 DIMENSIONS

6 OPERATING INSTRUCTIONS

Power and Sound Controls



Power

Turn the key in the ignition until the accessory indicator lights. Press [SOURCE](PWR) to switch on the power. Press and hold [SOURCE](PWR) again for more than 1 second to switch off the power.

Note: When the power is switched on for the first time, a demonstration appears on the display. To cancel this display, press [DISP]. When a CD is inserted with all the power connections performed, the unit power will be automatically turned on, CD loading begins and the CD is played.

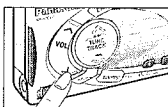


Volume

- Press [^ VOL] or [v VOL] to increase or decrease the volume.

VOL 20 — Volume Level (0 to 40)

- Press [^ VOL] or [v VOL] to change the numeric level in sequence.



Mute

- Press [MUTE] to mute the sound completely. When MUTE is on, "MUTE" indicator will light, and "MUTE" will blink on the display.

-MUTE-

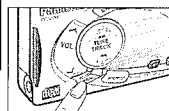
- Press [MUTE] again to cancel.

Note: This unit is equipped with an anti-volume-blast circuit which serves as an automatic volume level adjuster so that you will not be deafened by sudden loud volume level. This system operates as follows. When [SOURCE](PWR) is first pressed to switch the unit on, the volume level is low. After that, the volume level will gradually return to the same level as the one before the power was turned off last time. The anti-volume-blast circuit will not work when the volume level is set lower than position 20 on the display.

4

CQ-DF600/DF200W

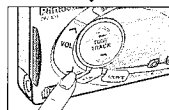
Power and Sound Controls (continued)



Fader

Press [SEL] to change to the fader mode. Press [^ VOL] or [v VOL] to shift the sound volume to the front (F) or rear (R) speakers.

FAD F 3 FAD CNT
or R 1 to 15 Fader Center



Sub-Woof Volume

(Only for CQ-DF600W)

Press [SEL] to change to the sub-woofer volume mode. Press [^ VOL] or [v VOL] to increase or decrease the sub-woofer volume.

Cut-off frequency control

The maximum lower frequency level can be adjusted to match your sub-woofer and the acoustics inside your car. When the sub-woofer is activated, press [^ TUNE] or [v TUNE] to change the cut-off frequency as follows. (default : 120 Hz)

120 ↔ 80 (Hz)

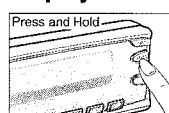
SUB 120 — Cut-off frequency

Sub-woofer volume level : From MUTE (0) to 8

SUB MUTE

Note: If no operation is performed in the audio mode for 5 seconds (or 2 seconds in the VOL mode), the display will return from the audio mode (BAS/TRE/BAL/FAD/SUB) to the regular operation mode.

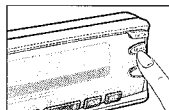
Display Controls



Dimmer

Press and hold [LEVEL](DIMMER) for more than 2 seconds to change the dimmer level from one level to another through the cycle of 3 levels as follows. (default : Dimmer 1)

Dimmer 1 → Dimmer 2 → Dimmer 3
(Bright) (Medium) (Dark)



Level Meter Display Switching

When power is ON, the level of sound sources, such as radio and CD, is displayed.

Press [LEVEL](DIMMER) to change the Level Meter display from one level to another in a total of 6 kinds display mode.

You can select your favorite display.

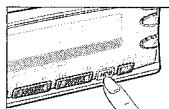
6

CQ-DF600/DF200W

S-HDB (Super High Definition Bass)

Especially for rock music, the bass-sound will be more powerful.

- Press [HDB] to change Super High-Definition Bass Mode.



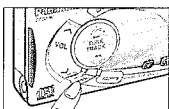
For CQ-DF200W
Regular Mode ↔ S-HDB
(S-HDB OFF)

S-HDB

For CQ-DF600W
FLAT (Regular Mode, S-HDB OFF) → BOOM (S-HDB ON)
TIGHT (S-HDB ON) ↔

BOOM: The bass sounds of the speakers are strongly emphasized.
TIGHT: The bass sounds of the speakers are moderately emphasized. (The sounds of the sub-woofer can be heard clearly.)

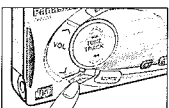
BOOM TIGHT



Audio Mode

Press [SEL] to change the audio mode setting as follows.

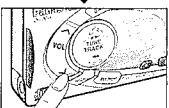
Regular Mode → VOLUME → BASS → TREBLE → BALANCE
SUB-W → FADER
(*Only for CQ-DF600W, SUB-W : SUB WOOFER)



Bass and Treble

Press [SEL] to change to the bass (or treble) mode. Press [^ VOL] or [v VOL] to increase or decrease the bass (or treble) level.

BAS+ 3dB TRE-- 3dB
-12 to +12 -12 to +12



Balance

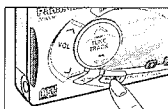
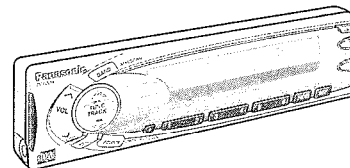
Press [SEL] to change to the balance mode. Press [^ VOL] or [v VOL] to shift the sound volume to the left (L) or right (R) speakers.

BAL L 2 BAL CNT
or R 1 to 15 Balance Center

CQ-DF600/DF200W

5

Radio Basics



Tuner Mode

Press [SOURCE] to change the operation mode setting as follows.

Tuner → CD player → CD changer control
(When a disc is inserted) (When a CD changer is connected)

FM 1 87.50

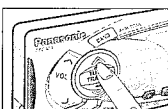


Band

Press [BAND] to change the band setting as follows.

FM1 → FM2 → FM3 → AM

"ST" indicator lights during reception of a FM stereo broadcast.



Manual Tuning

Press [^ TUNE] or [v TUNE] to tune in a higher or lower frequency.

FM 1 88.90



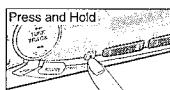
Seek Tuning

Press and hold [^ TUNE] or [v TUNE] for more than 0.5 seconds, then release it. Tuning will automatically stop when the signals of the next broadcast station are received.

CQ-DF600/DF200W

7

Radio Basics (continued)



MONO/LOCAL Selection

- At the MONO setting, the amount of interference heard when weak signals are received from an FM broadcast station is significantly decreased.
- At the LOCAL setting, only strong signals of stations are searched in local setting, while at LOCAL OFF setting, relatively weak signals are also searched.

① FM broadcast

Press and hold [•](MONO/LOC) in the tuner mode for more than 2 seconds to switch between the MONO and LOCAL modes. Each time [•](MONO/LOC) is pressed, the display changes as follows.

MONO OFF/LOCAL OFF → MONO ON/LOCAL OFF

MONO OFF/LOCAL ON ← MONO ON/LOCAL ON

② AM broadcast

Press and hold [•](MONO/LOC) for more than 2 seconds to change the local mode as follows.

LOCAL OFF ↔ LOCAL ON

Station Preset

FM1, FM2, FM3 and AM can save a maximum 6 stations each in their preset station memories.

Manual Station Preset

- Press [BAND] to select a desired band.
- Use manual or seek tuning to find a station which is to be preset in the memory.
- Press and hold one of the preset buttons [1] to [6] for more than 2 seconds until the display blinks.

FM2-1 90.00

Preset number

Note: You can change the memory presetting by repeating the above procedure.

Tuning in a Preset Station

Press the corresponding preset button [1] to [6] to tune in a preset station.

Auto Station Preset

Select the band, press and hold [BAND](APM) for more than 2 seconds (Auto Preset Memory).

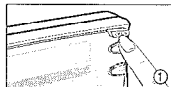
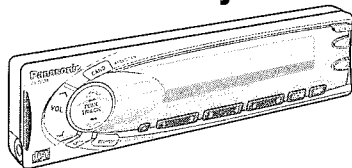
- The 6 strongest available stations will be automatically saved in the memory on preset buttons [1] to [6].
- Once set, the preset stations are sequentially scanned for 5 seconds each.
- Press the corresponding preset button for the broadcast you want to listen to.

Caution: To ensure safety, never attempt to preset stations while you are driving.

8

CQ-DF600/DF200W

Compact Disc Player Basics



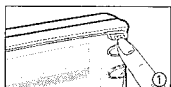
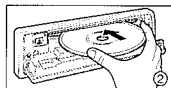
Loading a Disc

- Press [OPEN] to open the front panel.
- Insert a disc with its label side facing up.

Notes:

- The mute is automatically turned on when a disc is inserted and the CD mode is selected.
- The mute is automatically turned off when the front panel is closed.

Caution: Do not use irregularly-shaped CD (heart-shaped, octagon, etc.). Failure to observe this may cause malfunction.



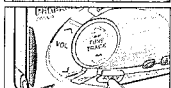
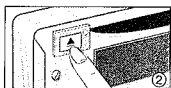
Ejecting a Disc

- Press [OPEN] to open the front panel.
- Press [▲] to eject the disc. After the disc is removed, close the front panel manually. The previous operation mode will resume.

Note:

Always remove the disc from the unit when the CD player is not being used.

Note: You can eject the disc by pressing [▲], even when the power is off.



Starting CD Play

Press [SOURCE] to change to the CD play mode as follows, after a disc has been inserted. Play will start automatically.

Tuner → CD player → CD changer control
(When a disc is inserted) (When a CD changer is connected)



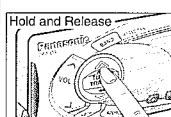
Track Selection

- Press [▶▶ TRACK] to advance to the next track.
- Press [◀◀ TRACK] to start play from the beginning of the track now playing.
- Press [▶▶ TRACK] or [◀◀ TRACK] repeatedly to skip the desired number of tracks.

CQ-DF600/DF200W

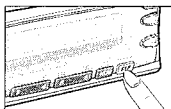
9

Compact Disc Player Basics (continued)



Track Search

- Press and hold [▶▶ TRACK] or [◀◀ TRACK] for more than 0.5 seconds to advance or reverse through a track.
- Release [▶▶ TRACK] or [◀◀ TRACK] to resume regular CD play.

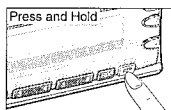


Track Repeat

Press [REP] to repeat the current track.



Press [REP] again to cancel.



Random Selection

Press and hold [REP](RANDOM) for more than 2 seconds. All the available tracks will be played in a random sequence.



Press and hold [REP](RANDOM) for more than 2 seconds again to cancel.

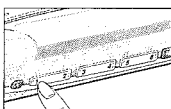


Track Scan

Press [BAND](SCAN). The display blinks, and the first 10 seconds of each track on the CD are played in sequence.



Press [BAND](SCAN) again to cancel.



Direct Selection by Track Number

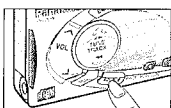
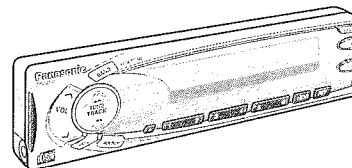
- Press a track number button from [1] to [6]. The corresponding track starts playing.
- Press and hold a track number button from [7] to [12] ([1] to [6]) for more than 1 second. The corresponding track starts playing.

10

CQ-DF600/DF200W

CD Changer Basics

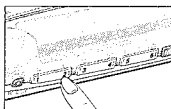
Note: The CD changer functions are designed for an optional CD changer unit.



Starting the CD Changer

Once the CD changer has been connected, press [SOURCE] to change to the CD changer mode as follows. When a disc magazine is inserted, CD play starts automatically.

Tuner → CD player → CD changer control
(When a disc is inserted) (When a CD changer is connected)



Direct Disc Selection

- Press a disc number button from [1] to [6]. The corresponding disc starts playing.
- Press and hold a disc number button from [7] to [12] ([1] to [6]) for more than 1 second. The corresponding disc starts playing.

Note:

The number of discs you can load the CD changer with is specific to each model.



Track Selection

- Press [▶▶ TRACK] to advance to the next track.
- Press [◀◀ TRACK] to start play from the beginning of the track now playing.
- Press [▶▶ TRACK] or [◀◀ TRACK] repeatedly to skip the desired number of tracks.



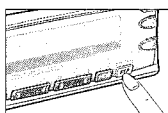
Track Search

- Press and hold [▶▶ TRACK] or [◀◀ TRACK] for more than 0.5 seconds to advance or reverse through a track.
- Release [▶▶ TRACK] or [◀◀ TRACK] to resume regular CD changer play from the released position.

CQ-DF600/DF200W

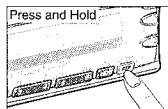
11

CD Changer Basics (continued)



Track Repeat

Press **[REP]** to repeat the current track.
Press **[REP]** again to cancel.

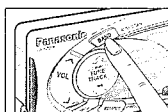


Random Selection

Press and hold **[REP]**(RANDOM) for more than 2 seconds. All the available tracks will be played in a random sequence.

Press and hold **[REP]**(RANDOM) for more than 2 seconds to cancel.

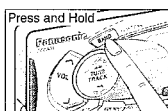
When **[REP]** is pressed in the random mode, random play stops and repeat play resumes.



Track Scan

Press **[BAND]**(SCAN). The display blinks and the first 10 seconds of each track on the discs play in sequence.

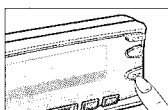
Press **[BAND]**(SCAN) again to cancel.



Disc Scan

Press and hold **[BAND]**(SCAN) for more than 2 seconds. The 1st track of all the discs in the magazine is played for 10 seconds each.

Press and hold **[BAND]**(SCAN) for more than 2 seconds again to cancel.



Changing the Display

Press **[DISP]** to change the display setting as follows.

Disc/Track Number/Track Play Time → CLOCK

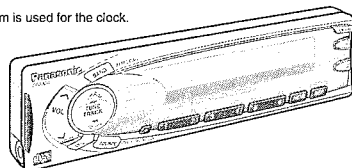
Note: You cannot change the current display while the CD player or CD changer is set to the scan play mode.

12

CQ-DF600/DF200W

Clock Basics

The 12-hour system is used for the clock.



Initial Time

① Press **[DISP]**(CLOCK).

"ADJUST" appears on the display.

② Press and hold **[DISP]**(CLOCK) again for more than 2 seconds. "12" blinks, and the time setting mode is activated.

③ Press **[> TUNE]** or **[< TUNE]** to set the hour.

④ Press **[DISP]**(CLOCK) again to proceed with the minutes setting.

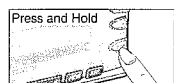
⑤ Press **[> TUNE]** or **[< TUNE]** to set the minute.

Press **[> TUNE]** or **[< TUNE]** for more than 0.5 seconds to change numbers on the display in sequence.

⑥ Once the time has been set, press **[DISP]**(CLOCK).

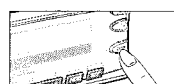
Note:

The **[DISP]**(CLOCK) button will not work while the CD player or CD changer is set to the scan play mode. Cancel the scan play mode before pressing **[DISP]**(CLOCK).



Time Reset

Press and hold **[DISP]**(CLOCK) for more than 2 seconds to activate the time setting mode to reset the time. Then, repeat steps ③ to ⑥ above.



Clock Display

Press **[DISP]**(CLOCK) to change to the clock display as follows.

In Tuner Mode Current frequency → Clock
In CD Mode Playing time → Clock
(CD changer)

When the power is turned off while the time is displayed, the clock mode remains on. When **[DISP]** is pressed, the system is turned off completely.

Note: The power must be switched off before leaving the car if it does not have an accessory (ACC) off position.

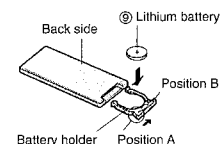
CQ-DF600/DF200W

13

Remote Control Unit Basics

Battery Installation

1. Remove the battery holder. Take hold of the holder at position B and pull it out to remove the battery by pushing position A in the direction shown by the arrow.
2. Install the battery. Set a new battery properly with its (+) side facing up as shown in the figure.
3. Insert the battery holder. Push the battery holder back into its original position.



Battery Notes

Remove and dispose of an old battery immediately.

Battery Information:

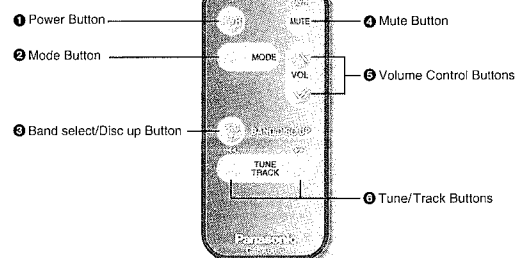
- Battery type: Panasonic lithium battery (CR2025)
- Battery life: 6 months with normal use (at room temperature)

Caution:

Improper use of the battery may cause overheating, an explosion or ignition, resulting in injury or a fire. Battery leakage may damage the unit.

- Do not disassemble or short the battery. Do not throw a battery into a fire.
- Keep batteries out of the reach of children to avoid the risk of accidents.
- Be careful to the local disposal rules when you dispose of batteries.

Main Controls



14

CQ-DF600/DF200W

How to Operate the Controls

Point the remote control unit at the main unit's sensor (REMOTE).

General

Power

① **PWR** (Power Button)

Press **[PWR]** to switch on the power.
Press **[PWR]** again to switch off the power.

Mute

④ **MUTE** (Mute Button)

- Press **[MUTE]** to mute the sound completely.
- Press **[MUTE]** again to cancel.

Mode Selection

② **MODE** (Mode Button)

Press **[MODE]** to change the operation mode setting as follows.
Tuner → CD player → (CD changer control)

Volume

⑤ **< > VOL** (Volume Control Buttons)

Press **[< VOL]** or **[> VOL]** to increase or decrease the volume level.

Radio

Selecting a Band

③ **BAND** (Band Select Button)

Press **[BAND]** to change the band setting as follows.

FM1 → FM2 → FM3 → AM

Seek Tuning

⑥ **< > TUNE** (Seek Tuning Buttons)

Press and hold **[> TUNE]** or **[< TUNE]** for more than 0.5 seconds, then release it.
Tuning will automatically stop when the signals of the next broadcast station are received.

Manual Tuning

⑦ **< > TUNE** (Manual Tuning Buttons)

Press **[> TUNE]** or **[< TUNE]** to tune in a higher or lower frequency.

CQ-DF600/DF200W

15

Remote Control Unit Basics (continued)

Compact Disc Player/CD Changer Control

(When a disc is inserted, play starts.)

Starting CD Play

② MODE (Mode Button)

- Press [MODE] to change to the CD play mode after a disc has been inserted. Play will start automatically.
- When the unit is connected with the CD changer, press [MODE] repeatedly to change the mode setting as follows.

Tuner → CD player → (CD changer control)

Once a disc has been inserted, CD play will start automatically regardless of the existing mode setting.

Disc Selection

(Only for CD changer control)

③ DISC UP (Disc Select Buttons)

- (When the CD changer is connected) Press to sequentially advance to the next disc.

Track Selection

④ TRACK (Track Select Buttons)

- Press [▶▶TRACK] to advance to the next track.
- Press [◀◀TRACK] to play from the beginning of the track now playing.
- Press [▶▶TRACK] or [◀◀TRACK] repeatedly to skip the desired number of tracks.

Track Search

⑤ TRACK (Track Search Buttons)

- Press and hold [▶▶TRACK] or [◀◀TRACK] for more than 0.5 seconds to advance or reverse through a track.
- Release [▶▶TRACK] or [◀◀TRACK] to stop the rapid advance or rapid reverse.

Installation Guide

Preparation:

- Before installation, check the radio operation with antenna and speakers.
- Disconnect the cable from the negative (–) battery terminal (see caution below).

Caution:

For installation to cars with trip or navigational computer, all electronic memory settings previously registered in the computer will be lost when the battery terminal is disconnected. For this type of car, battery could not be disconnected. Therefore, extra care should be taken to prevent short circuiting.

In dash installation

Installation Opening

In dash installation can be done if the car's dashboard has an opening for this unit as shown in the figure. The car's dashboard should have a thickness of 4.5 mm–6 mm in order to make the installation of the unit.



Installation Precautions

This product, if possible, should be installed by a professional installer.

In case of difficulty, please consult your nearest authorized Panasonic Service Center.

- This system is to be used only in a 12-volt, DC battery system (car) with negative ground.
- Follow the electrical connection (→ page 22, 23) carefully. Failure to do so may result in damage to the unit.
- Connect the power lead after other connections are made.
- Be sure to connect the YELLOW lead to positive terminal (+) of the battery to fuse block (BAT) terminal.
- Insulate all exposed wires to prevent short circuiting.
- Secure all loose wires after installing the unit.
- Please carefully read the operating and installation instructions of the respective equipment before connecting it to this unit.

Installation Hardware

No.	Item	Diagram	Qty	No.	Item	Diagram	Qty
①	Mounting Collar		1	⑥	Power Connector		1
②	Hex. Nut (5 mmφ)		1	⑦	Removable Face Plate Case		1
③	Rear Support Strap		1	⑧	Remote Control Unit		1
④	Tapping Screw (5 mmφ × 16 mm)		1	⑨	Lithium Battery (CR2025)		1
⑤	Mounting Bolt (5 mmφ)		1	⑩	Trim Plate		1

Installation Guide (continued)

Precautions

- When bending the mounting tab of the mounting collar with a screwdriver, be careful not to injure your hands and fingers.
- We strongly recommend you to wear gloves for installation work to protect yourself from injuries.

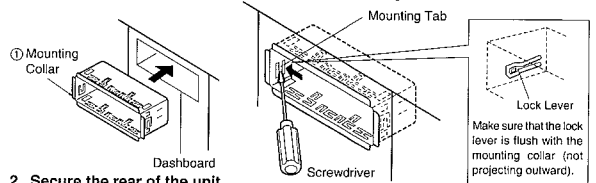
Installation Procedures

Note:

- Disconnect the cable from the negative (–) battery terminal.

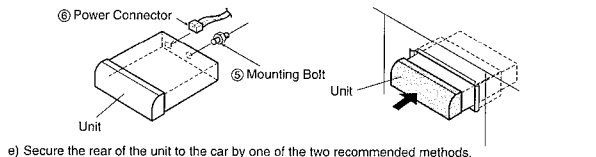
1. Secure Mounting Collar ①.

Insert Mounting Collar ① into the dashboard, and bend the mounting tabs out with a screwdriver.



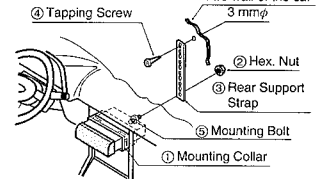
2. Secure the rear of the unit.

- Check the electrical connections by referring to this operating instructions. (→ Page 22, 23)
- Connect Mounting Bolt ⑤, using a suitable wrench.
- Insert Power Connector ⑥ to the unit.
- Insert the unit into the Mounting Collar ① and push it in until a "click" is heard.



■ Using Rear Support Strap ③

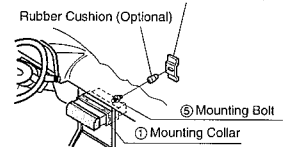
Affix one end of Rear Support Strap ③ to the rear of the unit, and the other end to the fire wall of the car, or some other metallic area.



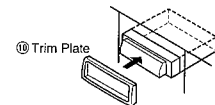
■ Using the Rubber Cushion (Optional)

(If there is an existing Rear Support Bracket on the fire wall of the car.)

Cover the Mounting Bolt ⑤ on the rear of the unit with the Rubber Cushion (Optional), and mount it into the existing Rear Support Bracket.



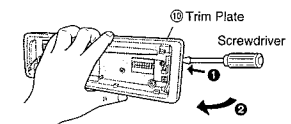
3. Install Trim Plate ⑩.



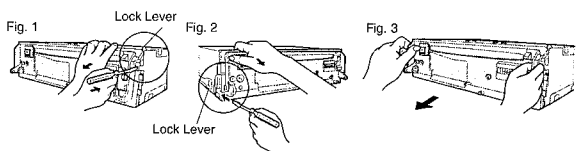
4. After installation, reconnect the negative (–) battery terminal.

To Remove the Unit

- Remove the removable face plate. (→ Page 20)
- Remove Trim Plate ⑩ with a screwdriver as shown in the figure.



- Pull out the unit while pushing the two lock levers using the screwdriver. (→ Fig. 1, 2)
- Remove the unit by pulling it with both hands. (→ Fig. 3)



Installation Guide (continued)

Anti-Theft System

This unit is equipped with a removable face plate. By removing this face plate, the radio becomes totally inoperable. The security indicator will blink.

To Remove the Removable Face Plate

- Switch off the power.
- Press [OPEN]. The removable face plate will be opened. (⇒ Fig. 4)
- Push the face plate to either the right or left, then pull it out toward you. (⇒ Fig. 5)

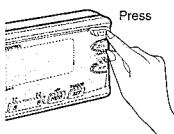


Fig. 4

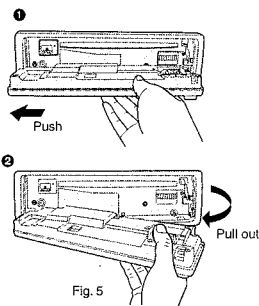


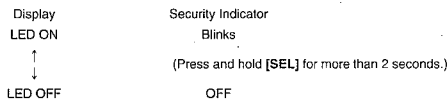
Fig. 5

Security Indicator

The security indicator (⇒ Fig. 7) blinks when the removable face plate is removed from the unit.

To Deactivate the Security Indicator

Press and hold [SEL] for more than 2 seconds when the power is on. "LED OFF" is displayed, and the security indicator turns off. (default: LED ON)



Cautions:

- When you want to remove the unit, the security indicator functions can be cancelled by the following procedure.
- Install the removable face plate.
 - Disconnect the power connector.

20

CQ-DF600/DF200W

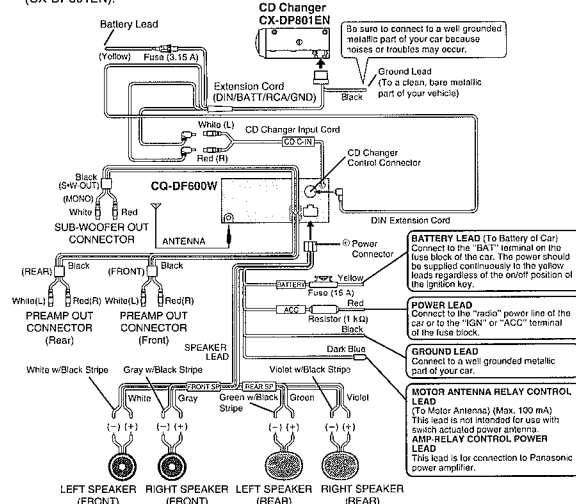
Electrical Connections

Cautions:

- This product is designed to operate of a 12 volt, negative ground battery system.
- To prevent damage to the unit, be sure to follow the connection diagram below.
- Remove approx. 5 mm of protective covering from the ends of the leads before connecting.
- Do not insert the power connector into the unit until the wiring is completed.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis.
- Bundle all cables and keep cable terminals free from touching any metal parts.

Wiring diagram (Only for CQ-DF600W)

- This unit can be connected to an optional CD changer (CX-DP801EN). For details consult your nearest Panasonic Service Center.
- For connection to the CD changer, refer to the operating instructions of the CD changer (CX-DP801EN).



NOTE: RECOMMENDED EXTERNAL AMP COMBINATION (EXAMPLE)

- Pre-Amp out (rear/front) ⇒ CY-M9054 (4 ch system)
- Sub-Woofers out ⇒ CY-M9054 (2 ch system)
- or
- CY-M7052 (1 ch system)

22

CQ-DF600/DF200W

- As shown in Fig. 6, gently push the lower side of the case and open its cover. Keep the removable face plate in the case. Then you can safely take the plate with you.

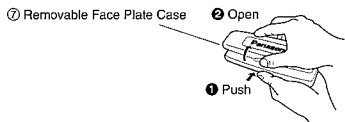


Fig. 6

To install the Removable Face Plate

- Fit either the edge of the right or left hole in the face plate over the main unit's pins, and fit it over on the other side while pushing it.

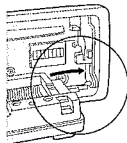


Fig. 7

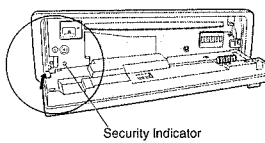


Fig. 8

- After fitting the face plate holes, try moving the face plate up and down a few times to make sure that it has been fitted securely.

- Close the front panel and press the right side of the face plate until a "click" is heard.

Cautions:

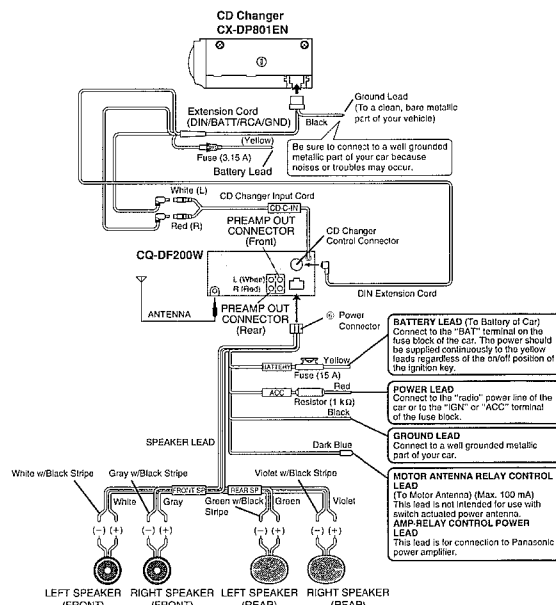
- Before removing the removable face plate, make sure the power is off.
- This removable face plate is not water-proof. Do not expose it to water or excessive moisture.
- Do not remove the removable face plate, while driving your car.
- Do not place the removable face plate on the dashboard or nearby areas where the temperature rises to high levels.
- Do not touch the contacts on the removable face plate or on the main unit, since this may result in poor electrical contacts.
- If dirt or other foreign substances get on the contacts, wipe them off with clean, dry cloth.
- Do not apply a strong downward force onto the face plate and do not put anything on it while it is open, or it might be damaged.

CQ-DF600/DF200W

21

Wiring diagram (Only for CQ-DF200W)

- This unit can be connected to an optional CD changer (CX-DP801EN). For details consult your nearest Panasonic Service Center.
- For connection to the CD changer, refer to the operating instructions of the CD changer (CX-DP801EN).



CQ-DF600/DF200W

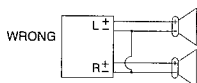
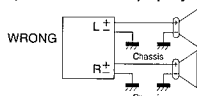
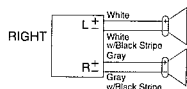
23

Speaker Connections

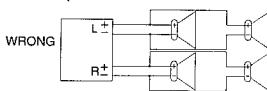
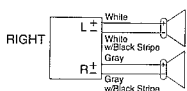
Caution:

1. Use ungrounded speakers only.
2. The speakers to be used with this unit should be able to handle more than 45 W (CQ-DF600W) or 40 W (CQ-DF200W) of audio power. If an optional amplifier is used, the speakers should be able to handle the maximum output power of the amplifier. Use of speakers with small input ratings can cause damage to the speakers.
3. The speaker impedance should be 4–8 ohms. If the impedance is too large or too small, it affects the output and may cause damage to the speakers or this unit.
4. Do not use 3-wire type speaker system having a common earth lead. Never connect the speaker cord to the body of the car. This unit uses the BTCL circuit, so each speaker should be connected separately using parallel vinyl insulated cords.
5. The speaker cords and the power amplifier unit should be kept away (about 30 cm apart) from the antenna and antenna extension cord.
6. Follow the connection diagram below carefully. Failure to do so may cause damage to both unit and speakers.

- Unit will be damaged if speakers (Front, Rear) are not connected properly.



- Do not connect more than one speaker to one set of speaker leads.



Error Display Messages

CD

		Appears on the display when the compact disc is dirty or upside down. Press [OPEN] to open the front panel, then press [▲] to eject the disc.
		Appears on the display when compact disc is scratched. Press [OPEN] to open the front panel, then press [▲] to eject the disc.
		Appears on the display when the compact disc stops operating for some reason. Turn off the car engine (accessory off) and remove the fuse from the yellow lead for 1 minute. Then reinstall the fuse.

CD Changer

		Appears on the display when the compact disc is dirty or upside down. Selects the next available compact disc.
		Appears on the display when compact disc is scratched. Selects the next available compact disc.
		Appears on the display when the unit stops operating for some reason. Press [RESET] on the CD changer (optional).
		Appears on the display when there is no disc in the magazine.

Cautions:

1. This product is not designed for any 8 cm CD.
2. If you insert an 8 cm CD and can not eject it, turn ACC of your car off once and turn it on again, then press EJECT.

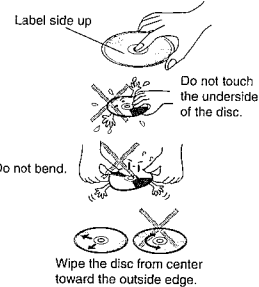
Disc Notes

Handling and Cleaning

ONLY USE DISCS CARRYING LABEL SHOWN ON THE RIGHT



- Dirt, dust, scratches and warping discs will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damaging.
- Do not place discs in the following places:
 1. Direct sunlight.
 2. Dirty, dusty and damp areas.
 3. Near car heaters.
 4. On the seats or dashboard.

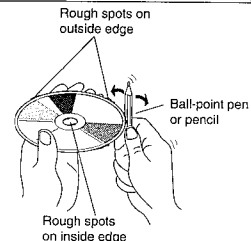


Disc Cleaning

Use a dry soft cloth to wipe the surface, if the disc is quite dirty, use a soft cloth slightly moistened with isopropyl (rubbing) alcohol. Never use solvents such as benzene, thinner or conventional record cleaners as they may mar the surface of the disc.

Preparing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the CD player will not play the disc. Therefore, remove the rough edges in advance by using a ball-point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



Fuse

Be sure to use a fuse of the specified rating (15 A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a fire hazard or damage to the unit. If the replacement fuse fails, consult your nearest authorized Panasonic Service Center.

Maintenance

To clean the exterior of this unit, use a soft cloth to wipe the surface. Do not use benzene, thinner or any other type of solvents.

Specifications

General

Power Supply	: 12 V DC (11 V–16 V), test voltage 14.4 V, negative ground
Maximum Power Output	: 45 W×4 channels at 400 Hz, volume control maximum (CQ-DF600W) : 40 W×4 channels at 400 Hz, volume control maximum (CQ-DF200W)
Power Output	: 22 W×4 (DIN 45 324, at 4Ω) (CQ-DF600W) : 20 W×4 (DIN 45 324, at 4Ω) (CQ-DF200W)
Tone Adjustment Range	: Bass; ±12 dB at 100 Hz, Treble; ±12 dB at 10 kHz
Pre-Amp Output Voltage	: 2.0 V (CD play mode; 1 kHz 0 dB)
Sub-Woofer Output Voltage	: 2.0 V (CD play mode; 1 kHz 0 dB) (Only for CQ-DF600W)
Output Impedance	: 200 Ω
Suitable Speaker Impedance	: 4–8 Ω
Current Consumption	: Less than 2.2 A (CD play mode; 0.5 W×4)
Dimensions (W×H×D)	: 178×50×150 mm
Weight	: 1.5 kg

AM Radio

Frequency Range	: 531–1,602 kHz
Usable Sensitivity	: 28 dB/μV (25 μV, S/N 20 dB)

FM Stereo Radio

Frequency Range	: 87.5–108.0 MHz
Usable Sensitivity	: 6 dB/μV (S/N 30 dB)
Stereo Separation	: 42 dB at 1,000 Hz

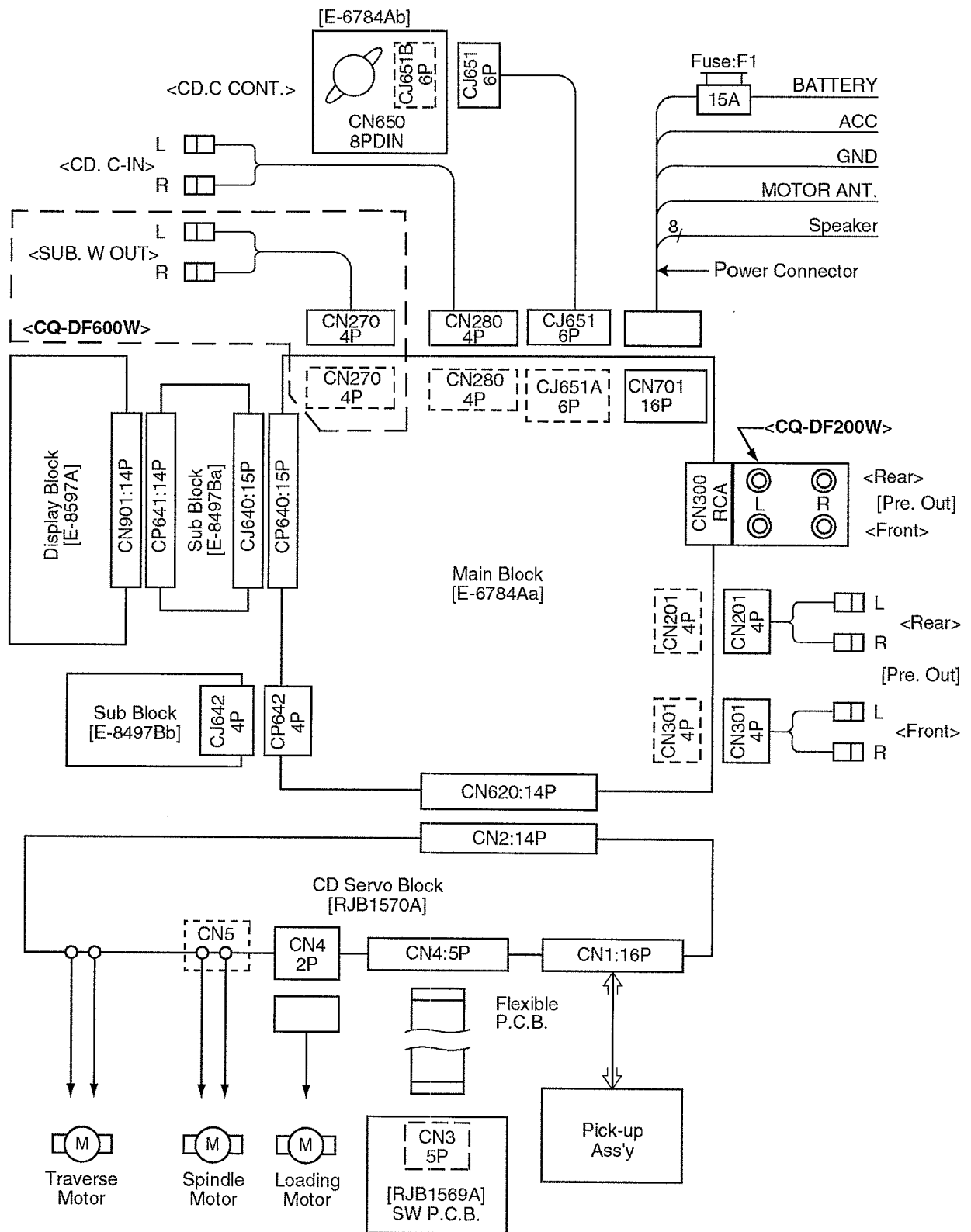
CD Player

Sampling Frequency	: 32 times oversampling
DA Converter	: MASH+1 bit/4 DAC system
Error Correction System	: Panasonic super decoding algorithm
Pick-Up Type	: Astigma 3-beam
Light Source	: Semiconductor laser
Wavelength	: 780 nm
Frequency Response	: 20 Hz–20,000 Hz, ±1 dB
Signal/Noise Ratio	: 96 dB
Total Harmonic Distortion	: 0.01% (1,000 Hz)
Wow and Flutter	: Below measurable limits
Channel Separation	: 75 dB

Note:

Specifications and design are subject to modification, without notice, due to improvements in technology.

7 WIRING CONNECTION



<Note> :

.....This mark shows a Ref. No. of connector

.....This mark shows a mounting position of connector.



9 TERMINALS DESCRIPTION

9.1. Main Block

IC601 : C2ABGF000015

Pin No.	Port	Description	I/O	(V)
1	XIN	Crystal oscillator	-	1.9
2	TEST2	(Connecting to ground)	-	0
3	VREG	Voltage regulator capacitor	-	0
4	VSS	Ground	-	0
5	CHC DATA	CD changer data	I	0
6	N.C.	No connection	-	-
7	CHC CK	CD changer clock	I	0
8	RM DATA	Remocon data	O	4.9
9-12	N.C.	No connection	-	-
13	/LCD CE	LCD chip enable	O	0.6
14,15	N.C.	No connection	-	-
16	LCD DI	LCD data	O	4.6
17	LCD CLK	LCD clock	O	4.7
18	N.C.	No connection	-	-
19	BATT	Battery detection	I	5.0
20	LCD DO	LCD data	I	4.9
21	I2C CLK	Electric volume cont. clock	O	5.2
22	I2C DATA	Electric volume cont. data	I/O	5.2
23	/LED	Security LED control	O	3.7
24	N.C.	No connection	-	-
25	/EJ ILL	Eject illumi. Control	O	5.0
26	/ILL	Illumi. Control	O	5.0
27	N.C.	No connection	-	-
28	/P. LED	Panel LED control	O	0.4
29	FP CLOSE	Front panel close SW	I	5.2
30	PANEL	Panel detection SW	I	5.2
31	/EJ	Eject SW	I	4.7
32-38	N.C.	(Connecting to VDD)	-	5.0
39	VDD	+5V power supply	-	5.0
40	VSS	Ground	-	0
41-48	N.C.	(Connecting to ground)	-	0
49	CD CNT	CD power control	O	4.9
50	INV CNT	Invertor control	O	4.9
51	DIM 2	Dimmer control	O	0
52	DIM 1	Dimmer control	O	0
53	PWR CNT	Power control	O	4.9
54	/MUTE	Mute control	O	5.0
55	CD DATA	CD data	I/O	4.7
56	CD CLK1	CD clock	O	5.0
57-61	N.C.	No connection	-	-
62	SUB80/120	Sub woofer cutoff freq.	O	0
63	SUB CLK	Sub. woofer clock	O	0
64	SUB DATA	Sub. woofer data	O	0
65	/HDB	HDB control	O	4.9
66	N.C.	No connection	-	-
67	/CD RST	CD reset	O	5.0
68	/CD ON	CD power on	O	0
69	CD CLK2	CD clock	O	4.9
70	CD MUTE	CD mute	I	0
71	REM IN	Remocon data	I	5.1
72	CHC STB	CD changer strobe	O	0
73	/TUNER	Tunner power control	O	0.3
74	FM	FM power control	O	0.2
75	/MONO	Mono/Stereo selection	O	8.0
76	SSC	Search stop clear	O	0.2
77	ACC SEN	ACC detection	I	3.9
78	N.C.	(Connecting to ground)	-	0
79	INIT A	Initial value	I	5.0
80	INIT B	Initial value (Note 2)	I	(#1)
81	ADC VSS	ADC ground	-	0

82	LV L	Lch level detection	I	1.4
83	LV R	Rch level detection	I	1.4
84	N.C.	(Connecting to ground)	-	0
85	SD	B/S detection	I	0.6
86	/RESET	(Connecting to VDD)	-	5.0
87	HOLD	(Connecting to VDD)	-	5.0
88	SNS	(Connecting to VDD)	-	5.0
89	LCTR	(Connecting to ground)	-	0
90	IFC	Radio IF control	O	2.6
91	E03	Not used	-	-
92	/ST	FM stereo detection	I	4.5
93	PLL VDD	+5V power supply	-	5.0
94	AM IN	(Connecting to ground)	-	0
95	OSC	Radio oscillator	I	2.4
96	PLL VSS	PLL ground	-	0
97	E02	Not used	-	-
98	E01	PLL phase-comp. error	O	1.4
99	TEST 1	(Connecting to ground)	-	0
100	XOUT	Crystal oscillator	-	2.6

Note 1 :

Voltage measuerments are with respect to ground, with a voltmeter (Internal resistance : 10M ohms).

Note 2 (#1) :

- 2.2V <CQ-DF600W>
- 0V <CQ-DF200W>

9.2. Display Block

IC901 : YEAMLC75884W

Pin No.	Port	Description	I/O	(V)
1-51	S3-53	LCD segment data	O	2.4
52-55	COM1-4	LCD common	O	2.4
56,57	S54, 55	LCD segment data	O	2.4
58-61	KS3-6	Key strobe	O	4.8
62-66	KI1-5	Key data	I	0
67	VDD	+5V power supply	-	5.0
68	VLCD	+5V power supply	-	5.0
69	VLCD1	LCD angle	-	3.2
70	VLCD2	LCD angle	-	1.6
71	VSS	Ground	-	0
72	TEST	(Connecting to ground)	-	0
73	OSC	Oscillator terminal	-	3.4
74	/RESET	(Connecting to VCC)	-	5.0
75	DO	Key data output	O	4.5
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	0
78	DI	LCD data	I	0
79, 80	S1,2	LCD segment data	O	2.4

9.3. CD Servo Block

IC2 : MN662741RPA

Pin No.	Port	Description	I/O	(V)
1	BCLK	Bit clock output	O	2.5
2	LRCK	L/R select output	O	2.5
3	SRDATA	Serial data output	O	2.5
4	VDD	+5V digital power supply	-	5.1
5	DVSS1	Digital ground	-	0
6	TX	Not used	-	-
7	MCLK	MPU command clock	I	4.6
8	MDATA	MPU command data	I	0.2
9	MLD	MPU command load	I	4.8
10	SENSE	Not used	-	-
11	/FLOCK	Not used	-	-
12	/TLOCK	Not used	-	-
13	BLKCK	Sub-code block clock	O	0
14	SQCK	Q code external clock	I	0
15	SUBQ	Q code output	O	5.1
16	DMUTE	Mute input	I	2.9
17	STAT	Status output	O	0
18	/RST	Reset input	I	5.0
19, 20		Not used	-	-
21	TRV	Forced traverse output	-	2.5
22	TVD	Traverse drive output	O	2.5
23	PC	Not used	-	-
24	ECM	Spindle motor drive	O	2.4
25	ECS	Spindle motor drive	O	2.5
26	KICK	Kick pulse output	O	2.4
27	TRD	Tracking drive	O	2.5
28	FOD	Focus drive	O	2.6
29	VREF	D/A reference voltage	I	2.5
30	FBAL	Focus balance adjust	O	2.5
31	TBAL	Tracking balance adjust	O	2.5
32	FE	Focus error signal	I	2.5
33	TE	Tracking error signal	I	2.5
34	RFENV	RF envelope signal	I	2.5
35	VDET	Vibration detection	I	0
36	OFTR	Off track signal	I	0
37	TRCRS	Track cross signal	I	2.7
38	/RFDET	RF detection signal	I	0
39	BDO	Drop out signal	I	0
40	LDON	Laser on/off control	O	5.0
41	TES	Tracking error shunt	O	0
42	PLAY	Not used	-	-
43	WVEL	Not used	-	-
44	ARE	RF signal	I	2.5
45	IREF	Reference current input	I	1.2
46	DRF	Connecting to ground	-	0
47	DSL F	DSL loop filter	I/O	2.5
48	PLL F	PLL loop filter	I/O	2.3
49	VCOF	Connecting to VDD	-	5.1
50	AVDD2	+5V analog power supply	-	5.1
51	AFSS2	Analog ground	-	0
52-55		Not used	-	-
56	SBCK	(Connecting to ground)	-	0
57	VSS	Ground	-	0
58	X1	Crystal oscillator	-	2.5
59	X2	Crystal oscillator	-	2.9
60	VDD	+5V power supply	-	5.1
61-69		Not used	-	-
70	/RST2	Connecting to ground	-	0
71	/TEST	Connecting to VDD	-	5.1
72	AVDD1	+5V analog power supply	-	4.8
73	OUTL	Audio Lch output	O	2.4
74	AVSS1	Analog ground	-	0

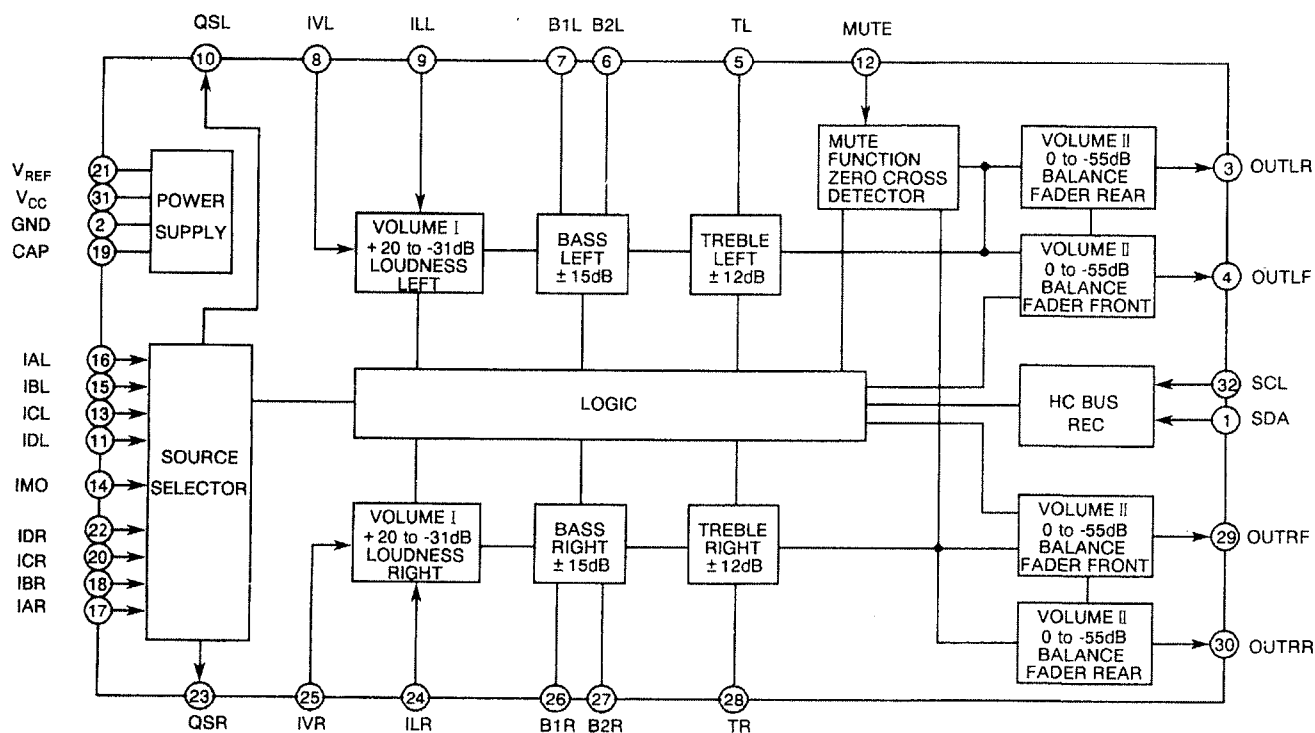
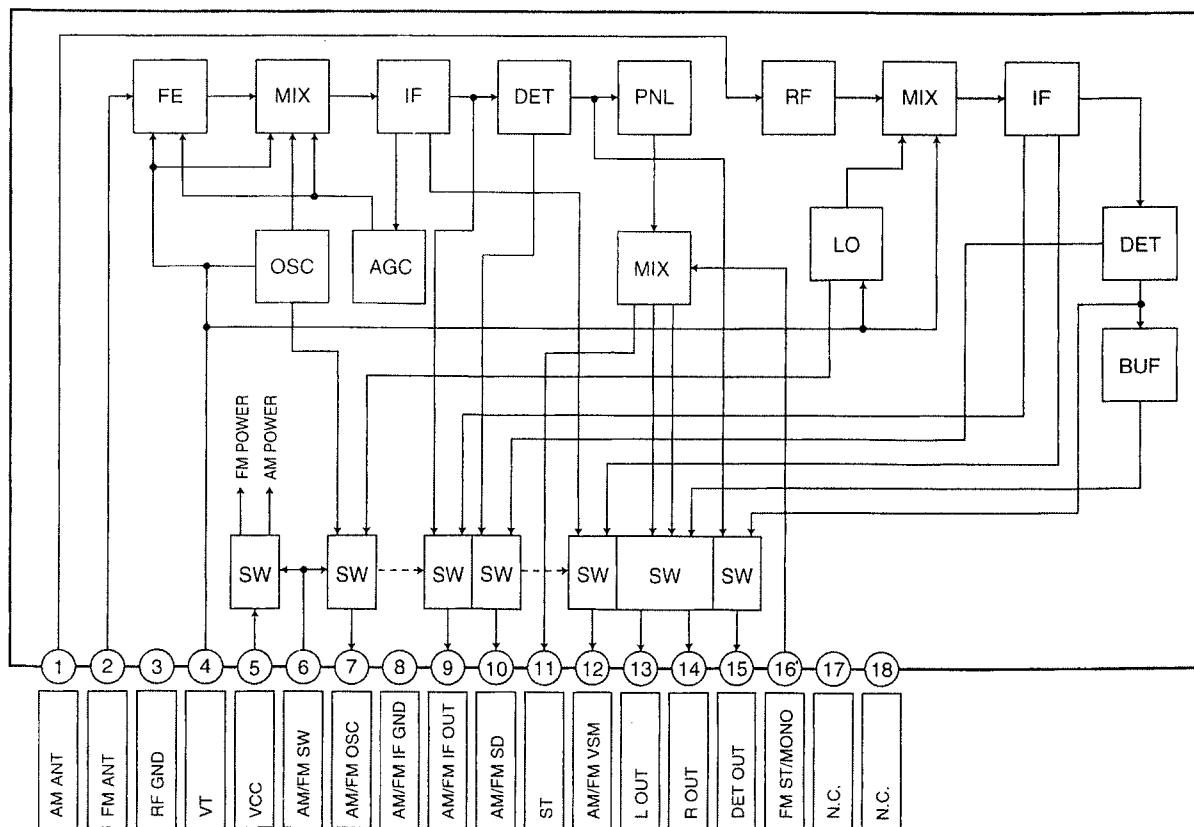
75	OUTR	Audio Rch output	O	2.4
76	RSEL	connecting to VDD	I	5.1
77	CSEL	Connecting to ground	-	0
78	ISRDATA	Serial data input	I	2.5
79	ILRCK	L/R select input	I	2.5
80	IBCLK	Bit clock input	I	2.5

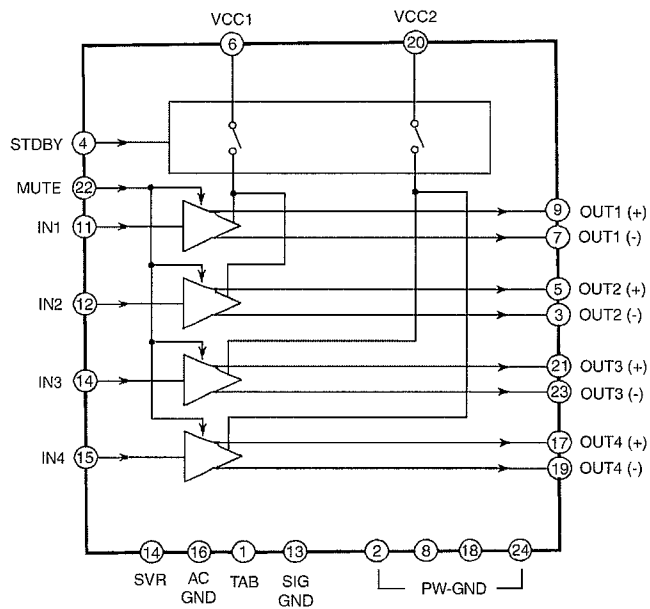
IC4 : MB89193-233E

Pin No.	Port	Description	I/O	(V)
1	LMTR_FWD	Forward Limiter	O	5.2
2	LMTR_REV	Reverse Limiter	O	5.2
3	LO/SP	Motor control	O	0
4	REST	Reset	I	4.8
5	TEST	(Connecting to ground)	-	0
6	/RST	Reset	I	4.9
7	X0	Crystal oscillator	-	2.1
8	X1	Crystal oscillator	-	2.6
9	VSS	Ground	-	0
10	SW4	Switch input	I	0
11	BLKCK	Sub-code block clock	I	0
12	SW1	Switch input	I	4.9
13	SW2	Switch input	I	5.0
14	SW3	Switch input	I	0
15	SUBQ	Q code input	I	2.5
16	STAT	Status input	I	5.0
17	SQCK	Q code external clock	O	5.1
18	SRST	Reset output	O	4.9
19	DMUTE	Mute output	O	0
20	MLD	MPU command load	O	4.8
21	MDATA	MPU command data	O	0.2
22	MCLK	MPU command clock	O	4.6
23	POSC	Oscillator control	O	0
24	ACC	ACC input	I	0.2
25	C1	CD clock	I	4.9
26	DATA	CD data	I/O	0
27	C2	CD clock	I	5.2
28	VCC	+5V power supply	-	5.2

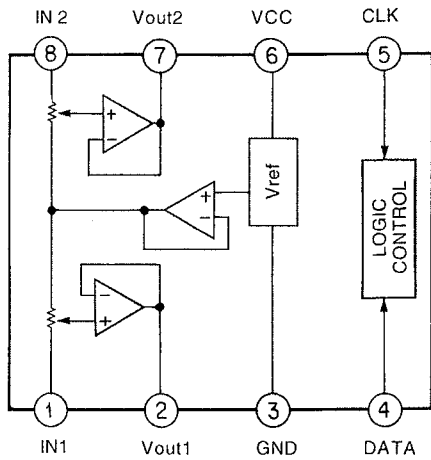
10 PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

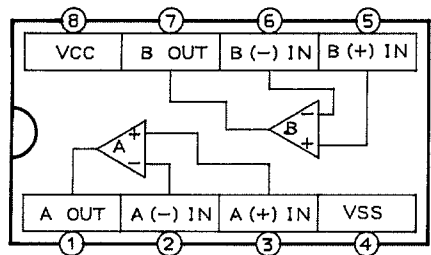
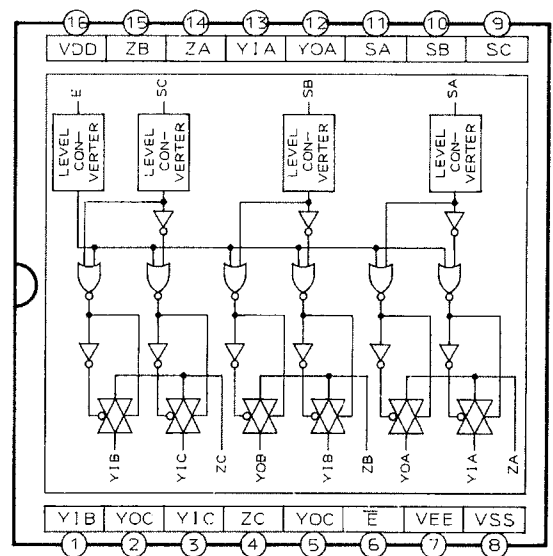




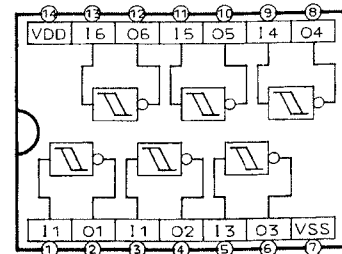
IC241 : C1EA0000021



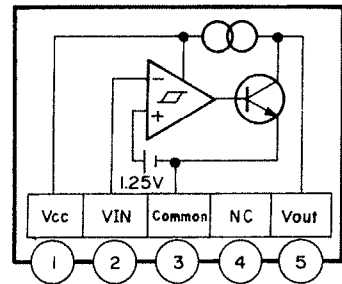
IC262 : YEAMM62429FP

IC203 : YEAMPC4570T1
IC261,280 : YEAMM5218AFE

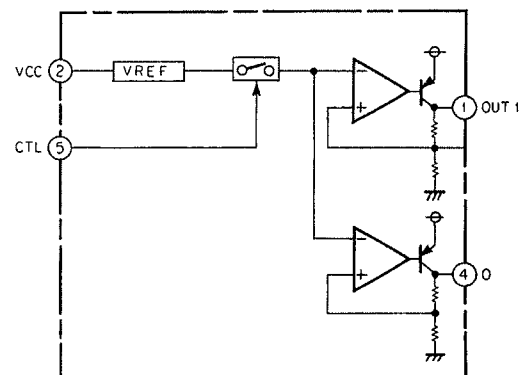
IC204 : YEAMPD4053BG



IC650 : YEAMC14584BE

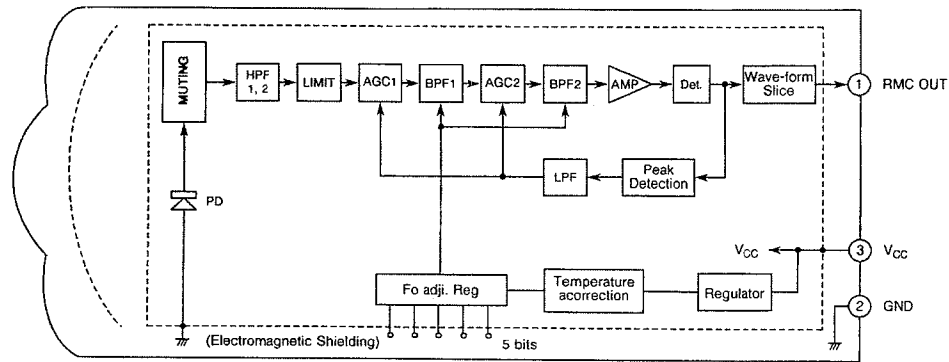


IC701 : YEAMM51945AL



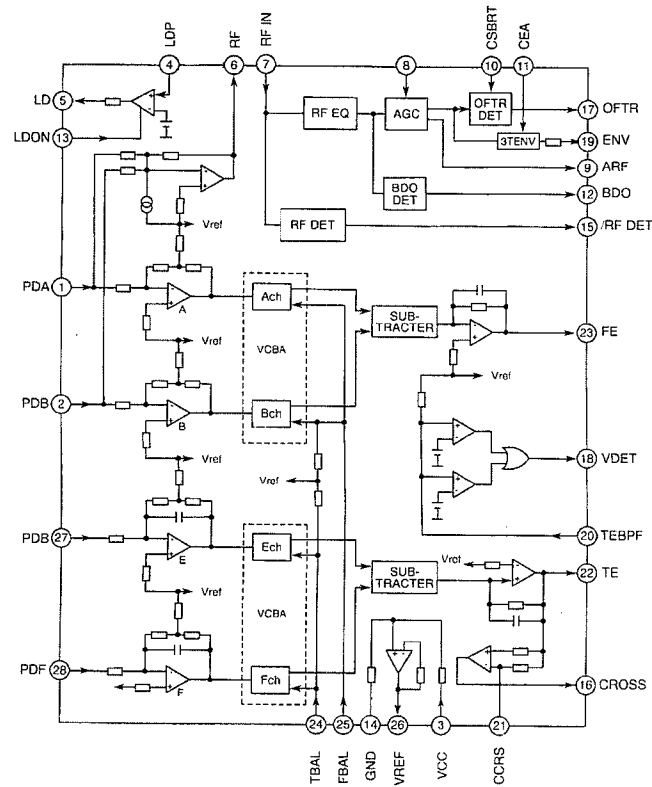
IC702 : YEAMA41W12ST

10.2. Display Block

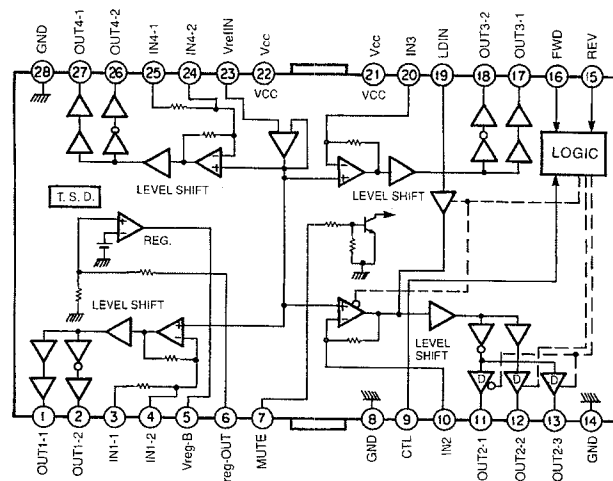


IC905 : YEAMSBX8035F

10.3. CD Servo Block



IC1 : AN8835SBE1



IC3 : BA6795FPE2

11 REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of 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.
5. "A" or "B" marks in remarks column are indicate as follows :

- A : CQ-DF600W
- B : CQ-DF200W

11.1. IC's and Transistors

MAIN BLOCK [E6784A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC201	YEAMEA6320TT	IC	
IC203	YEAMPC4570T1	IC	
IC204	YEAMPD4053BG	IC	
IC241	C1EA00000021	IC	
IC261	YEAMM5218AFE	IC	A
IC262	YEAMM62429FP	IC	A
IC280	YEAMM5218AFE	IC	
IC601	C2ABGF000015	IC	
IC650	YEAMC14584BE	IC	
IC701	YEAMM51945AL	IC	
IC702	YEAMA41W12ST	IC	
IC704	AN78N08	IC	
IC800	AN7805F	IC	
PA51	YEAU03E052C	Electronic Tuner	
Q51	YEANA114YKTX	Transistor	
Q53	YEANA114YKTX	Transistor	
Q54	B1GBCFNN0005	Transistor	
Q230	YEANC143TKT	Transistor	
Q231	YEANC143TKT	Transistor	
Q270	YEANC143TKT	Transistor	A
Q291	YEANA144EKT	Transistor	A
Q292	YEANC323TKT	Transistor	A
Q330	YEANC143TKT	Transistor	
Q331	YEANC143TKT	Transistor	
Q401	YEAN2SK536TB	Transistor	
Q660	YEANA114EKT	Transistor	
Q661	YEANA114EKT	Transistor	
Q664	YEANA114YKTX	Transistor	
Q671	YEANA114EKT	Transistor	
Q672	YEANA114EKT	Transistor	
Q701	YEAND1859T	Transistor	
Q703	YEANB1243QRT	Transistor	
Q704	B1GBCFJN0005	Transistor	
Q705	2SD2139TA	Transistor	
Q707	YEANFP1F3PT1	Transistor	
Q801	B1GBCFNN0005	Transistor	
Q802	B1GBCFNN0005	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q803	YEANB1236AT	Transistor	
Q804	B1GBCFJN0005	Transistor	

DISPLAY BLOCK [E8597A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC901	YEAMLC75884W	IC	
IC905	YEAMSBX8035F	IC	
Q902	YEANSSTA06T	Transistor	
Q903	YEANSSTA06T	Transistor	

11.2. Diodes

MAIN BLOCK [E6784A]

Ref. No.	Part No.	Part Name & Description	Remarks
D201	MA151KTX	Diode	
D261	YEADRD51M2T1	Diode	A
D611	LN25RP	LED	
D640	MA8056LMHTX	Diode	
D680	MA151KTX	Diode	
D681	YEADRD51M2T1	Diode	
D682	MA151KTX	Diode	
D683	YEADRD51M2T1	Diode	
D701	YEADDSA3A2	Diode	
D702	MA151KTX	Diode	
D703	YEADRD56M3T1	Diode	
D704	MA721TX	Diode	
D705	MA704TW	Diode	
D706	YEADRD51M2T1	Diode	
D707	YEADRB100AT	Diode	
D708	YEADRD91M1T2	Diode	
D709	YEADRB100AT	Diode	
D710	MA721TX	Diode	
D712	MA1091LMTA	Diode	
D715	YEADRB100AT	Diode	
D716	YEADRB100AT	Diode	
D801	MA153TX	Diode	
D802	YEADRD27M2T1	Diode	

DISPLAY BLOCK [E8597A]

Ref. No.	Part No.	Part Name & Description	Remarks
D900	LN1271RAL	LED	
D926	MA8056LMHTX	Diode	
D927	MA8056LMHTX	Diode	
D928	MA8056LMHTX	Diode	
D929	MA8056LMHTX	Diode	
D930	MA8047MTX	Diode	

SUB BLOCK [E8497B]

Ref. No.	Part No.	Part Name & Description	Remarks
D642	LNJ306G5TUWQ	LED	
D643	LNJ306G5TUWQ	LED	

11.3. Capacitors

MAIN BLOCK [E6784A]

Ref. No.	Part No.	Part Name & Description	Remarks
C51	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C52	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C53	YECUS1H101JM	Ceramic, 100PF 50WV	
C54	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C57	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C58	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C60	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C61	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C201	YECUS1H101JM	Ceramic, 100PF 50WV	
C202	YECUS1H820JM	Ceramic, 82PF 50WV	
C203	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C204	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C205	ECEA1HKAR33I	Electrolytic, 0.33 μ F 50WV	
C207	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C208	YECUS1E333KX	Ceramic, 0.033 μ F 25WV	
C209	YECUS1H562KX	Ceramic, 0.0056 μ F 50WV	
C210	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C211	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C217	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C218	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C220	YECUS1H123KX	Ceramic, 0.012 μ F 50WV	
C221	ECEA1HKAR33I	Electrolytic, 0.33 μ F 50WV	
C222	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C223	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C230	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C231	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C238	YECUS1H221JM	Ceramic, 220PF 50WV	
C239	YECUS1H221JM	Ceramic, 220PF 50WV	
C241	ECEA1HKAR47I	Electrolytic, 0.47 μ F 50WV	
C242	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C244	ECEA1HKAR47I	Electrolytic, 0.47 μ F 50WV	
C245	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C248	ECA1CDT472Y	Electrolytic, 4700 μ F 16WV	
C260	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	A
C261	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	A
C262	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	A
C263	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	A
C264	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	A
C266	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	A
C270	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	A
C274	YECUS1H221JM	Ceramic, 220PF 50WV	A
C275	YECUS1H221JM	Ceramic, 220PF 50WV	A
C280	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C281	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C282	ECEA1AKA220I	Electrolytic, 22 μ F 10WV	
C283	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C298	YECUV1C224KX	Ceramic, 0.22 μ F 16WV	A
C299	F1J1H102A034	Ceramic, 0.001 μ F 50WV	A
C301	YECUS1H101JM	Ceramic, 100PF 50WV	
C302	YECUS1H820JM	Ceramic, 82PF 50WV	
C303	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C304	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C305	ECEA1HKAR33I	Electrolytic, 0.33 μ F 50WV	
C307	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C308	YECUS1E333KX	Ceramic, 0.033 μ F 25WV	
C309	YECUS1H562KX	Ceramic, 0.0056 μ F 50WV	
C310	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C311	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C317	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C318	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C320	YECUS1H123KX	Ceramic, 0.012 μ F 50WV	
C321	ECEA1HKAR33I	Electrolytic, 0.33 μ F 50WV	
C322	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C323	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C330	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C331	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C338	YECUS1H221JM	Ceramic, 220PF 50WV	
C339	YECUS1H221JM	Ceramic, 220PF 50WV	
C341	ECEA1HKAR47I	Electrolytic, 0.47 μ F 50WV	
C342	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C344	ECEA1HKAR47I	Electrolytic, 0.47 μ F 50WV	
C345	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C346	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C347	ECEA1AKS10I	Electrolytic, 100 μ F 10WV	
C348	ECEA1HKS2R2I	Electrolytic, 2.2 μ F 50WV	
C360	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C361	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C380	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C381	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C402	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C403	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C404	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C510	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C601	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	A
C603	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C604	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C606	YECUS1H220JM	Ceramic, 22PF 50WV	
C607	YECUS1H220JM	Ceramic, 22PF 50WV	
C608	ECEA0JKA331I	Electrolytic, 330 μ F 6.3WV	
C609	EES5SR5H473	Electrolytic, 0.047F 5.5WV	
C613	YECUV2A102KX	Ceramic, 0.001 μ F 100WV	
C619	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C635	YECUS1H680JM	Ceramic, 68PF 50WV	
C636	YECUS1H101JM	Ceramic, 100PF 50WV	
C650	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C651	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C660	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C661	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C662	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C663	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C680	ECSH1CY225CR	Tantalum, 2.2 μ F 16WV	
C681	ECSH1CY225CR	Tantalum, 2.2 μ F 16WV	
C701	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C702	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C703	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C704	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C705	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C706	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C707	ECEA1AKA101I	Electrolytic, 100 μ F 10WV	
C708	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C709	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C710	ECA1CDT102BQ	Electrolytic, 1000 μ F 16WV	
C711	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C712	EEAFCL1A820H	Electrolytic, 82 μ F 10WV	
C714	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C715	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C716	ECSH1VC335PR	Tantalum, 3.3 μ F 35WV	
C717	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C719	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C800	YECUV1H104ZF	Ceramic, 0.1 μ F 50WV	
C801	ECEA1CKA101	Electrolytic, 100 μ F 16WV	
C802	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C803	ECEA1AKA221I	Electrolytic, 220 μ F 10WV	
C804	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	

DISPLAY BLOCK [E8597A]

Ref. No.	Part No.	Part Name & Description	Remarks
C905	YECUM2A683JN	Plastic Film, 0.068 μ F 100WV	
C906	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C907	ECEV1CA220SR	Electrolytic, 22 μ F 16WV	
C910	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C911	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C914	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C915	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C920	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C921	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C923	YECUS1H681JM	Ceramic, 680PF 50WV	

11.4. Resistors

MAIN BLOCK [E6784A]

Ref. No.	Part No.	Part Name & Description	Remarks
J502	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J503	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J504	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J505	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J506	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J507	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J508	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J509	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J601	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J602	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J603	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J604	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J605	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J606	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J607	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J608	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J609	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J610	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J611	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J612	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J613	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J614	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J615	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J616	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J617	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J618	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J619	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J620	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J621	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J622	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J623	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J624	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J625	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J626	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J627	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J628	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J629	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J630	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J631	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J632	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J633	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J634	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J635	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J636	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J637	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J638	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J639	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J640	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J641	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J642	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J643	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J644	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J645	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R50	ERJ6GEYJ5R6	Chip, 5.6Ω 1/10W	
R51	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R52	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R53	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R54	ERJ8GEYJ392V	Chip, 3.9kΩ 1/8W	
R56	ERJ6GEYJ392	Chip, 3.9kΩ 1/10W	
R57	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R59	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R60	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R201	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R202	ERJ8GEYJ183V	Chip, 18kΩ 1/8W	
R204	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R205	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R211	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R212	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R213	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R214	ERJ6GEYJ752	Chip, 7.5kΩ 1/10W	
R215	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R216	ERJ8GEYJ682V	Chip, 6.8kΩ 1/8W	
R217	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R218	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R225	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R226	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R230	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R232	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R235	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R237	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R240	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R242	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R255	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	A
R256	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	A
R257	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R260	ERJ6GEYJ104	Chip, 100kΩ 1/10W	A
R261	ERJ6GEYJ151	Chip, 150Ω 1/10W	A
R262	ERJ8GEYJ103V	Chip, 10kΩ 1/8W	A
R263	ERJ8GEYJ822V	Chip, 8.2kΩ 1/8W	A

Ref. No.	Part No.	Part Name & Description	Remarks
R264	ERJ8GEYJ433V	Chip, 43kΩ 1/8W	A
R267	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R268	ERJ6GEYJ223	Chip, 22kΩ 1/10W	A
R270	ERJ6GEYJ151	Chip, 150Ω 1/10W	A
R271	ERJ6GEYJ103	Chip, 10kΩ 1/10W	A
R276	ERJ6GEYJ470	Chip, 47Ω 1/10W	A
R277	ERJ6GEYJ470	Chip, 47Ω 1/10W	A
R278	ERJ6GEY0R00V	Chip, 0Ω 1/10W	A
R280	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R281	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R282	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R283	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R284	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R298	ERJ6GEYJ224	Chip, 220kΩ 1/10W	A
R299	ERJ6GEYJ912	Chip, 9.1kΩ 1/10W	A
R301	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R302	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R304	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R305	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R311	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R312	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R313	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R314	ERJ6GEYJ752	Chip, 7.5kΩ 1/10W	
R315	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R316	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R317	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R318	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R330	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R332	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R335	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R337	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R340	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R342	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R344	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R360	ERJ6GEYJ104	Chip, 100kΩ 1/10W	A
R380	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R381	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R382	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R383	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R384	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R401	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R402	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R403	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R405	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R406	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R407	ERJ8GEYJ100V	Chip, 10Ω 1/8W	
R501	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R503	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R504	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R604	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R605	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R611	ERJ8GEYJ681V	Chip, 680Ω 1/8W	
R614	ERJ8GEYJ563V	Chip, 56kΩ 1/8W	A
R615	ERJ6GEYJ433	Chip, 43kΩ 1/10W	
R618	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R627	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R628	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R629	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R634	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R636	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R638	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R640	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R641	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
R642	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R643	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R644	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R645	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R646	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R647	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R648	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R649	ERJ6GEYJ102	Chip, 1kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R650	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R651	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R652	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R660	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R661	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R662	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R663	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R671	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R672	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R673	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R674	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R675	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R676	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R680	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R681	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R682	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R683	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R684	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R701	ERDS2FJ470	Carbon, 47Ω 1/4W	
R703	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R704	ERJ8GEYJ684V	Chip, 680kΩ 1/8W	
R705	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R706	ERJ8GEYJ124V	Chip, 120kΩ 1/8W	
R707	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R708	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R709	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R710	ERDS1FJ561	Carbon, 560Ω 1/2W	
R712	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
R713	ERDS1FJ181	Carbon, 180Ω 1/2W	
R714	ERJ8GEYJ152V	Chip, 1.5kΩ 1/8W	
R801	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R802	ERJ8GEYJ152V	Chip, 1.5kΩ 1/8W	
R804	ERJ6GEYJ473	Chip, 47kΩ 1/10W	

DISPLAY BLOCK [E8597A]

Ref. No.	Part No.	Part Name & Description	Remarks
R906	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	A
R906	ERJ6GEYJ102	Chip, 1kΩ 1/10W	B
R907	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R908	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R909	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R910	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R911	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R930	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R931	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R938	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
R941	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R942	ERJ6GEYJ433	Chip, 43kΩ 1/10W	
R961	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R962	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R963	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R964	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R965	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R970	ERJ6GEY0R00V	Chip, 0Ω 1/10W	

11.5. Connectors

MAIN BLOCK [E6784A]

Ref. No.	Part No.	Part Name & Description	Remarks
CJ620	YEAET14B140C	Connector, 14P FFC	
CJ651	YEAEO616YAA	Connector, 6P	
CN201	YEAEO12504	Connector, RCA REAR-OUT	A
CN270	YEAEO12647	Connector, RCA S/W-OUT	A
CN280	YEAEO12503	Connector, 1P RCA	
CN300	YEAEO2166	Connector, RCA 4P	B
CN301	YEAEO12505	Connector, RCA FRONT-OUT	A
CN620	YEAEO12763	Connector, 14P	
CN650	YEAEO12307	Connector, 8P DIN	
CN701	YEAEO12748	Connector, 16P	
CP640	YEAEO115MX	Connector, 15P	
CP642	YEAEO104MX	Connector, 4P	

DISPLAY BLOCK [E8597A]

Ref. No.	Part No.	Part Name & Description	Remarks
CN901	YEAEO12760	Connector, 14P	

SUB BLOCK [E8497B]

Ref. No.	Part No.	Part Name & Description	Remarks
CJ640	YEAEO115MPA	Connector, 15P	
CJ642	YEAEO104MPA	Connector, 4P	
CP641	YEAEO12761	Connector, 14P	

11.6. Electric Parts

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW601	YEAS08042	Switch	
SW610	YEAS09267	Switch	
SW901	YEAS09312	Switch	
SW902	YEAS09312	Switch	
SW903	K0H1BA000285	Switch	A
SW903	YEAS09312	Switch	B
SW904	K0H1BA000285	Switch	A
SW904	YEAS09312	Switch	B
SW905	YEAS09312	Switch	
SW906	YEAS09312	Switch	
SW907	YEAS09312	Switch	
SW908	K0H1BA000285	Switch	A
SW908	YEAS09312	Switch	B
SW909	K0H1BA000285	Switch	A
SW909	YEAS09312	Switch	B
SW910	YEAS09312	Switch	
SW911	YEAS09312	Switch	
SW912	K0H1BA000285	Switch	A
SW912	YEAS09312	Switch	B
SW913	K0H1BA000285	Switch	A
SW913	YEAS09312	Switch	B
SW914	K0H1BA000285	Switch	A
SW914	YEAS09312	Switch	B
SW915	YEAS09312	Switch	
SW916	YEAS09312	Switch	
SW917	K0H1BA000285	Switch	A
SW917	YEAS09312	Switch	B
SW918	K0H1BA000285	Switch	A
SW918	YEAS09312	Switch	B

CRYSTAL

Ref. No.	Part No.	Part Name & Description	Remarks
XL601	YEXL49U0450T	Crystal OSC	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L50	YELT02M330KT	Coil	
L620	YELT02C101KT	Coil	
L640	YELTBLM32A06	Coil	
L641	YELTBLM32A06	Coil	
L702	YETQ026F143	Coil	
L800	ELEH330KA	Coil	
L901	YELT216825TG	Coil	
L902	YELTD75F101T	Coil	

LCD

Ref. No.	Part No.	Part Name & Description	Remarks
LCD901	L5ACDLC00006	LCD Display	A
LCD901	L5ACBLC00002	LCD Display	B

LAMPS

Ref. No.	Part No.	Part Name & Description	Remarks
CFL931	A2CA000000018	Display Tube	A
CFL931	A2CA000000019	Display Tube	B
Z50	J0LE000000002	Neon Tube	

THERMISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
PH720	YERT7AR4R7MT	Thermistor	

11.7. Accessories

PRINTING

Ref. No.	Part No.	Part Name & Description	Remarks
	YEFM283484	Operating Instructions	

INSTALLATION PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ02792	Power Cord	
	CR2025/1F	Battery	
	YEFA131302	Detachable Unit Cover	
	YFEG04019	Rear Support Strap	
	YEFX0214198	Mounting Collar	
	YEFX9992013	Remote Controller	
	YEP9FZ2714	Screws	

Ref. No.	Part No.	Part Name & Description	Remarks
44	YEFX0213650	Bracket, RCA	B (3-C)
45	YEFX0011904	Transparent Plate	(1-A)
46	YEFX025137	Color Screen	(2-A)
47	YEFX0011905	Transparent Plate	(1-A)
50	YEJS06092	Screw, 3mm * 10mm	
51	YEJS03020	Screw, 2mm * 4mm	
52	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
53	YEJT03009	Tapping Screw, 3mm * 8mm	
54	YEJT03156	Tapping Screw, 2.6mm * 4mm	
55	XTB2+5FFX	Tapping Screw, 2mm * 5mm	
56	XTB26+6GFX	Tapping Screw, 2.6mm * 6mm	
57	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	
58	XTB3+8GFX	Screw, 3mm * 8mm	B

11.8. Mechanical Parts

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
F1	YEA02015	Fuse, 15A	△
ANT51	YEEA10090	Antenna Receptacle	
AT1-3	YEAT03420	Terminal	
HP1,2	YEAT03324	Terminal	
1	YEFA031359E	Upper Cover	(4-C)
2	YEFA05594B	Bottom Cover	(1-B)
3	YEP9FX068A	Front Chassis Ass'y	(2-C)
4	YEFA09508	Side Plate	(2-B)
5	YEFA08461AK	Rear Plate	A (4-C)
5	YEFA08462AK	Rear Plate	B (3-C)
6	YEFF01921	Heat Sink	(3-B)
7	YEF025658A	Escutcheon Ass'y, Unit	(2-B)
8	YEF026644	Escutcheon Ass'y, Detachable	A (1-A)
8	YEF026651	Escutcheon Ass'y, Detachable	B (1-A)
9	YEFE135147	Button, EJECT	(2-B)
10	YEFE135442	Button, OPEN	(1-A)
11	YEFE135941	Button, PRESET	A (1-A)
11	YEFE135944	Button, PRESET	B (1-A)
12	YEFE135435	Button, VOL	(1-A)
13	YEFE135436	Button, SEL	(1-A)
14	YEFE135713	Button, BAND/SOURCE	(1-A)
15	YEFE135439	Button, TUNE/TRACK	(1-A)
16	YEFE135940	Button, LEVEL/DISP	(1-A)
20	YEFA131413	Cover, Detachable	(2-B)
21	YEF005570	Trim Plate	(2-B)
22	YEP9FX069	Hook Bracket Ass'y	(2-C)
23	YEFJ05046	Color Rivet	(3-C)
24	YEFK06835	Holder, LCD	(2-A)
25	YEF04187	Lead Cap	(4-B)
26	YEFV011813	Insulator	(1-B)
27	YEFV021596	Optical Shade	(2-A)
28	YEFV011890	Insulator	(3-B)
29	YEFV03457	Magnetic Shield	(1-B)
30	YEFW04156	Shaft Collar	(1-B)
31	YEFW04157	Shaft Collar	(2-A)
32	YEFX0214422	Bracket, CN701	(2-C)
33	YEFV011928	Insulator	(1-B)
34	YEFX0011903	Transparent Plate	(2-A)
35	YEFX0213945B	Bracket, IC241	(1-C)
36	YEFX0214625	Bracket, Inverter	(2-B)
37	YEFX0214481	Bracket, Deck	(3-C)
38	YEFX0214423	Bracket, IC702	(3-C)
39	YEFX0214168	Bracket, IC704	(1-C)
40	YEFX007082	Cord Clamper	A (4-C)
41	YEFX007380	Cord Clamper	(4-B)
42	YEFX0052396	Spring	(1-A)
43	YEFX0052253	Spring	(2-A) (1-B)

13 CD PLAYER PARTS

Note :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of 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.
5. "A" marks in remarks column are indicated supply parts of Audio Division(AD) in Matsushita Electric Industrial Co., Ltd.(MEI)
6. "V" marks in remarks column are indicated supply parts of Video System Division(VSD) in Matsushita Electric Industrial Co., Ltd.(MEI)

IC's and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	A
IC3	BA6795FPE2	IC	A
IC4	MB89193-233E	IC	A
Q1	2SA1037AKTXR	Transistor	V
Q2	DTC114TKT96	Transistor	V

Diodes

Ref. No.	Part No.	Part Name & Description	Remarks
D1	MA141WKTX	Diode	A

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX226LE	Tantalum, 22MFD 6.3WV	V
C3	ECEA0JKA101I	Electrolytic, 100MFD 6.3WV	
C4	ECUV1E104ZFN	Chip, 0.1MFD 25WV	V
C5	ECUV1E104ZFN	Chip, 0.1MFD 25WV	V
C6	ECUV1E104MBN	Chip, 0.1MFD 25WV	V
C7	ECUV1E104MBN	Chip, 0.1MFD 25WV	V
C8	ECUV1H272KBN	Chip, 0.0027MFD 50WV	V
C9	ECUV1E273KBN	Chip, 0.027MFD 25WV	V
C10	ECUV1E104MBN	Chip, 0.1MFD 25WV	V
C11	ECUV1E104MBN	Chip, 0.1MFD 25WV	V
C12	ECUV1H222MBN	Chip, 0.0022MFD 50WV	V
C13	ECUV1H182KBN	Chip, 0.0018MFD 50WV	V
C14	ECUV1E104MBN	Chip, 0.1MFD 25WV	V
C15	ECUV1C473KBN	Chip, 0.047MFD 16WV	V
C16	ECUV1E223KBN	Chip, 0.022MFD 25WV	V
C17	ECUV1E273KBN	Chip, 0.027MFD 25WV	V
C18	ECUV1H471KBN	Chip, 470PF 50WV	V
C19	ECUV1E104MBN	Chip, 0.1MFD 25WV	V
C20	ECUV1E223KBN	Chip, 0.022MFD 25WV	V
C21	ECUV1C224KBM	Chip, 0.22MFD 16WV	V
C22	ECUV1C224KBM	Chip, 0.22MFD 16WV	V
C23	ECUV1H070DCN	Chip, 7PF 50WV	V
C24	ECUV1H220JCN	Chip, 22PF 50WV	V
C25	ECUV1E104ZFN	Chip, 0.1MFD 25WV	V
C26	ECUV1H102KBN	Chip, 0.001MFD 50WV	V
C27	ECUV1H102KBN	Chip, 0.001MFD 50WV	V

Ref. No.	Part No.	Part Name & Description	Remarks
C28	ECUV1E223ZFN	Chip, 0.022MFD 25WV	V
C29	RCE0JPK221IG	Electrolytic, 220MFD 6.3WV	V
C30	ECUV1E154MBM	Chip, 0.15MFD 25WV	V
C33	RCE0JPK221IG	Electrolytic, 220MFD 6.3WV	V
C34	ECUV1H561KBN	Chip, 560PF 50WV	V
C35	ECEA0JKA101I	Electrolytic, 100MFD 6.3WV	
C36	ECEA1AKA221I	Electrolytic, 220MFD 10WV	
C37	ECUV1E104ZFN	Chip, 0.1MFD 25WV	V
C38	ECEA0JKA221I	Electrolytic, 220MFD 6.3WV	
C39	ECUV1E104ZFN	Chip, 0.1MFD 25WV	V
C40	ECUV1H472MBN	Chip, 0.0047MFD 50WV	V
C42	ECUV1E104ZFN	Chip, 0.1MFD 25WV	V
C44	ECUV1H331KBN	Chip, 330PF 50WV	V
C45	ECUV1E224ZFM	Chip, 0.22MFD 25WV	V
C56	ECUV1H221KBN	Chip, 220PF 50WV	A

Resistors [RJB1570A]

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ150	Chip, 15 OHMS 1/10W	
R2	ERJ6GEYJ221	Chip, 220 OHMS 1/10W	
R3	ERJ6GEYJ150	Chip, 15 OHMS 1/10W	
R5	ERJ6GEYJ330	Chip, 33 OHMS 1/10W	
R6	ERJ6GEYJ224	Chip, 220k OHMS 1/10W	
R7	ERJ6GEYJ184	Chip, 180k OHMS 1/10W	
R8	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R9	ERJ6GEYJ103	Chip, 10k OHMS 1/10W	
R10	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R11	ERJ6GEYJ103	Chip, 10k OHMS 1/10W	
R12	ERJ6GEYJ393	Chip, 39k OHMS 1/10W	
R13	ERJ6GEYJ183	Chip, 18k OHMS 1/10W	
R14	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R15	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R16	ERJ6GEYJ154	Chip, 150k OHMS 1/10W	
R17	ERJ6GEYJ683	Chip, 68k OHMS 1/10W	
R18	ERJ6GEYJ471	Chip, 470 OHMS 1/10W	
R20	ERJ6GEYJ101	Chip, 100OHMS 1/10W	
R21	ERJ6GEYJ220	Chip, 22 OHMS 1/10W	
R22	ERJ6GEYJ220	Chip, 22 OHMS 1/10W	
R23	ERJ6GEYJ822	Chip, 8.2k OHMS 1/10W	
R24	ERJ6GEYJ682	Chip, 6.8k OHMS 1/10W	
R25	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R26	ERJ6GEYJ333	Chip, 33k OHMS 1/10W	
R27	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R28	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R29	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R30	ERJ6GEYJ103	Chip, 10k OHMS 1/10W	
R31	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R32	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R33	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R34	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R35	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R36	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R37	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R39	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R40	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R41	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R42	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R43	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R44	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R45	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R46	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R47	ERJ6GEYJ121	Chip, 120 OHMS 1/10W	
R49	ERJ6GEYJ155V	Chip, 1.5M OHMS 1/10W	V
R50	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R51	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R52	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R53	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R54	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R55	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R56	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R57	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R58	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R62	ERJ6GEYJ272	Chip, 2.7k OHMS 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R63	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
RJ1	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ2	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ3	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ4	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ5	ERJ6GEYJ1R8V	Chip, 1.8 OHMS 1/10W	V
RJ6	ERJ6GEY0R00V	Chip, 0 OHM 1/10W	
RJ7	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	

Resistors [RJB1569A]

Ref. No.	Part No.	Part Name & Description	Remarks
SW3	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X1	RVBCST4R00MT	Ceramic Oscillator	V
X2	RSXC16M9S01T	Crystal Oscillator	V

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A1816T	Connector, 16P	V
CN2	RJS1A7114T	Connector, 14P	V
CN3	RJS1A7105T	Connector, 5P	V
CN4	RJP2G17ZA	Connector, 2P	V
CN5	RJS2A1405T	Connector, 5P	V

Switches

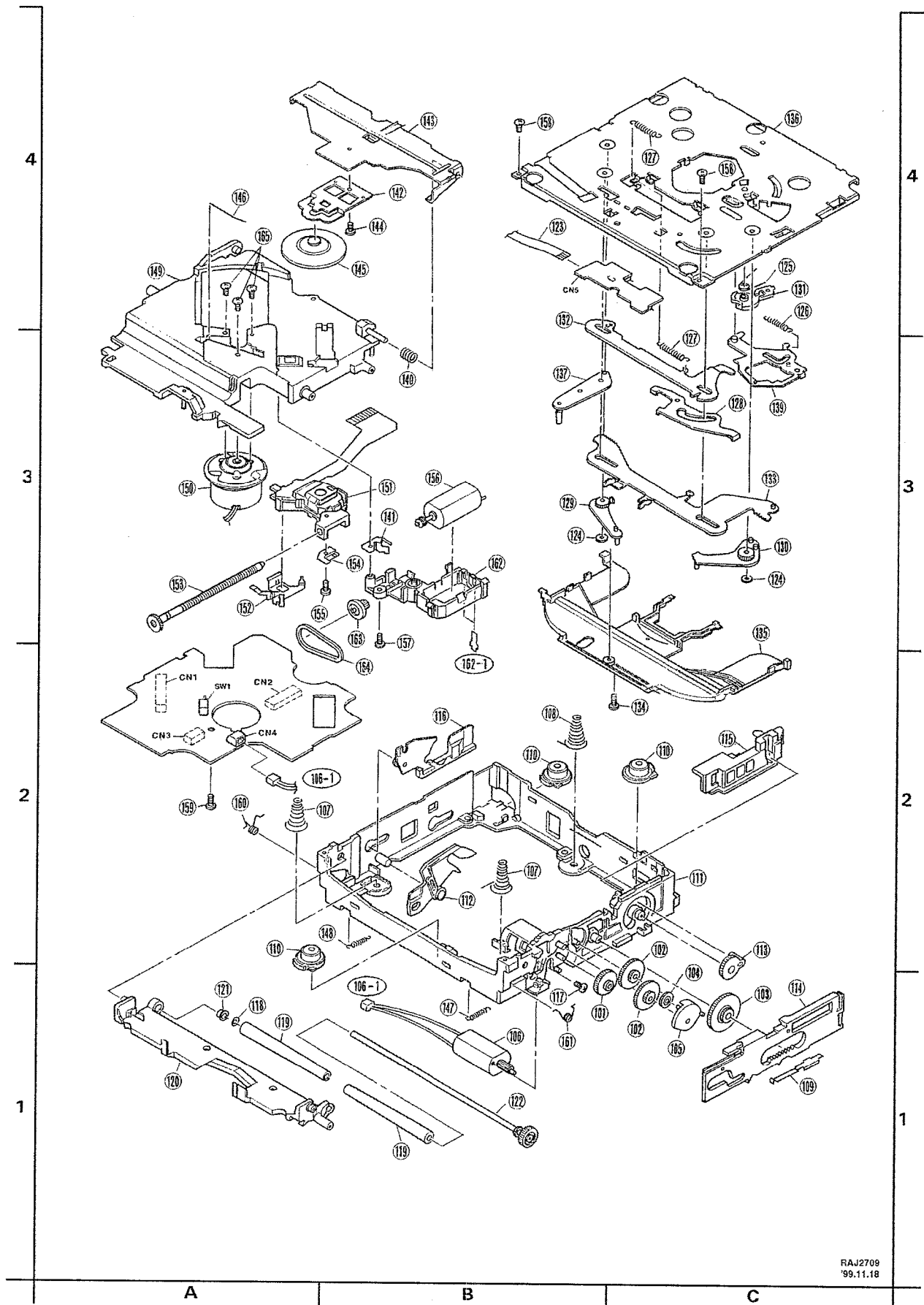
Ref. No.	Part No.	Part Name & Description	Remarks
SW1	ESE11SH2	Switch	V
SW2	RSP1A015-A	Switch	V
SW4	RSP1A015-A	Switch	V
SW5	RSP1A015-A	Switch	V

Miscellaneous

Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0350	Gear	V(1-B)
102	RDG0351	Gear N2	V(1-C)
103	RDG0352-1	Loading Gear	V(1-C)
104	RDG0353	Roller Drive Gear	V(1-C)
105	RDG0354	Roller Drive Arm	V(1-C)
106	REM0060	Loading Motor	V(1-B)
106-1	REE0669	Lead Wire	V(2-A) (1-B)
107	RMB0465	Spring	V(2-A) (2-B)
108	RMB0466	Spring	V(2-A)
109	RMC0292	Main Slider Spring	V(1-C)
110	RMG0408-K	Insulator	V(2-A) (2-B)
111	RMK0309-2	Mechanism Frame	V(2-B)
112	RML0432	Lock Arm	V(2-B)
113	RML0433-1	Drive Arm	V(2-C)
114	RMR0952-W	Main Slider	V(1-C)
115	RMR0953-W	Lift Slider	V(2-C)
116	RMR0954-W	Lock Slider	V(2-B)
117	XYN2+C5	Screw, 2mm * 5mm	V(1-B)
119	RMG0382-H	Rubber Roller	V(1-A)
120	RML0434	Roller Arm	V(1-A)
121	RMR0769-W	Roller Bering	V(1-A)
122	RXJ0017	Roller Shaft	V(1-B)
123	REE0668	Flexible PCB	V(4-B)
124	RHW27004	Washer	V(3-C)
125	RMB0461	Spring	V(4-C)
126	RMB0468	Spring	V(4-C)
127	RMB0489	Spring	V(4-C) (3-C)
128	RML0428	Switch Lever	V(3-C)
129	RML0430	Trigger Lever L	V(3-C)
130	RML0431	Trigger Lever R	V(3-C)
131	RML0435	Lock Lever	V(4-C)
132	RMM0155	Slider A	V(3-C)

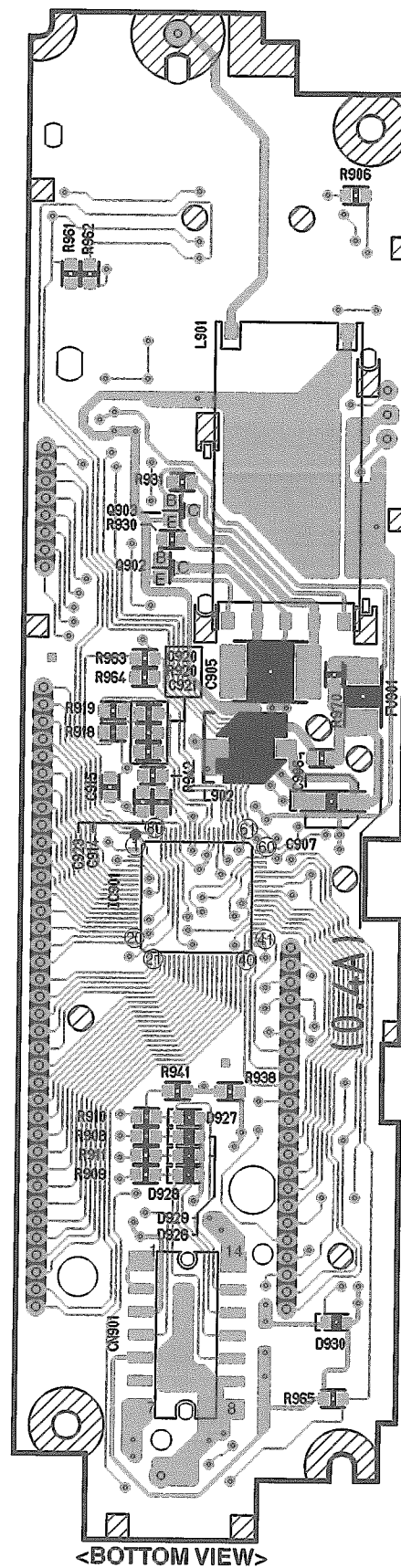
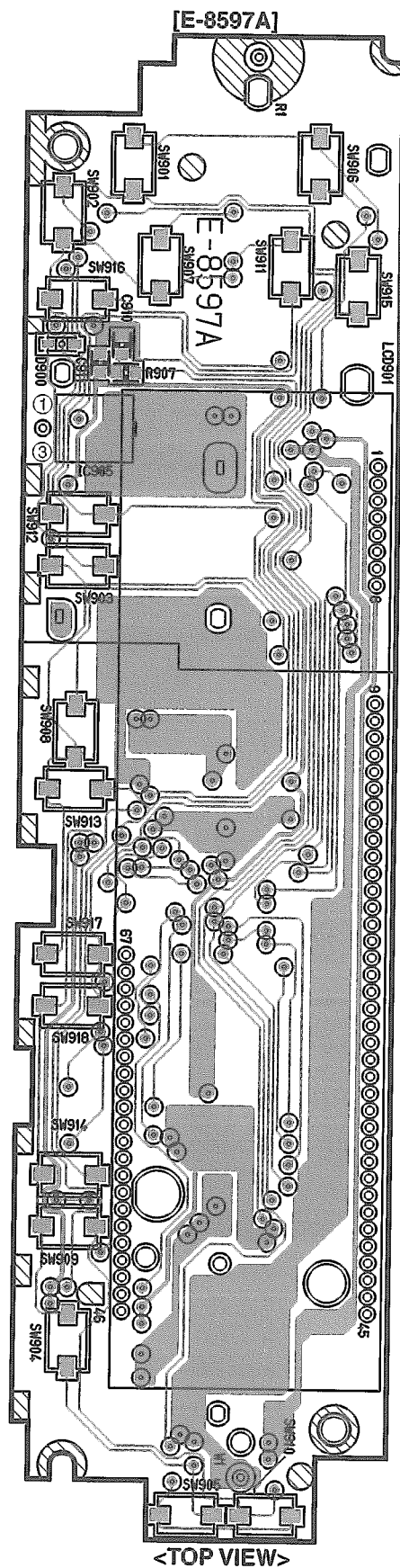
Ref. No.	Part No.	Part Name & Description	Remarks
133	RMM0156	Slider B	V(3-C)
134	RMQ0597	Screw	V(2-C)
135	RMR0951-W	Disc Guide	V(2-C)
136	RXK0201	Upper Chassis	V(4-C)
137	RXL0134	CD Detect Lever L	V(3-B)
139	RXL0136	Control Arm	V(3-B)
140	RMB0462	Spring	V(3-B)
141	RMC0295	Drive Shaft Retainer	V(3-B)
142	RMC0293	Clamper Retainer	V(4-B)
143	RML0429	Clamp Arm	V(4-B)
144	RMQ0467	Screw	V(4-B)
145	RMR0956-W	Clamper	V(4-B)
146	RMB0345-2	Spring	V(4-A)
147	RMB0445	Spring	V(1-B)
148	RMB0467	Spring	V(2-B)
149	RXK0199	Traverse Chassis	V(4-A)
150	RFKPAJ2751K	Spindle Motor	V(3-A)
151	RAF0140A	Optical Pickup	V(3-B)
152	RMC0294	Optical Pickup Retainer	V(3-A)
153	RXJ0018	Drive Shaft	V(3-A)
154	RXQ0474	Board Nut	V(3-B)
155	XQN17+BG45	Screw	V(3-B)
156	REM0061	Traverse Motor	V(3-B)
157	XTW2+6S	Screw, 2mm * 6mm	V(3-B)
158	XQN2+CJ8	Screw, 2mm * 8mm	V(4-C)
159	XTW2+6S	Screw, 2mm * 6mm	V(2-A)
160	RMB0463	Spring	V(2-A)
161	RMB0464	Spring	V(1-B)
162	RXQ0476	Holder	V(3-B)
162-1	RMA0921	Terminal Board	V(3-B)
163	RDP0084	Pulley	V(3-B)
164	RDV0030	Belt	V(2-B)
165	RMQ0461	Screw	V(4-A)

14 EXPLODED VIEW (CD Deck)

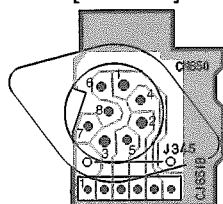
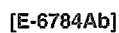


15 WIRING DIAGRAM

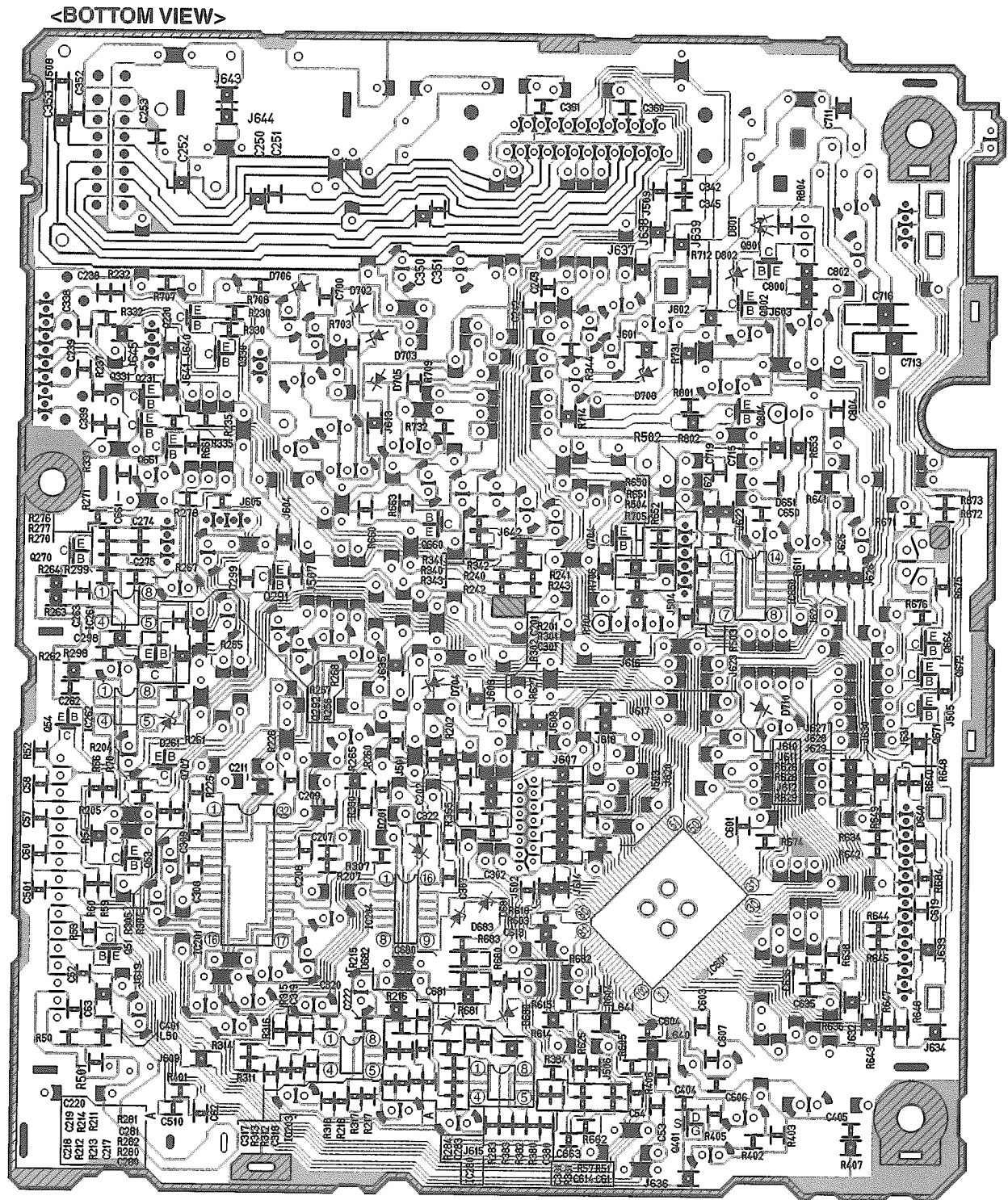
15.1. Display Block



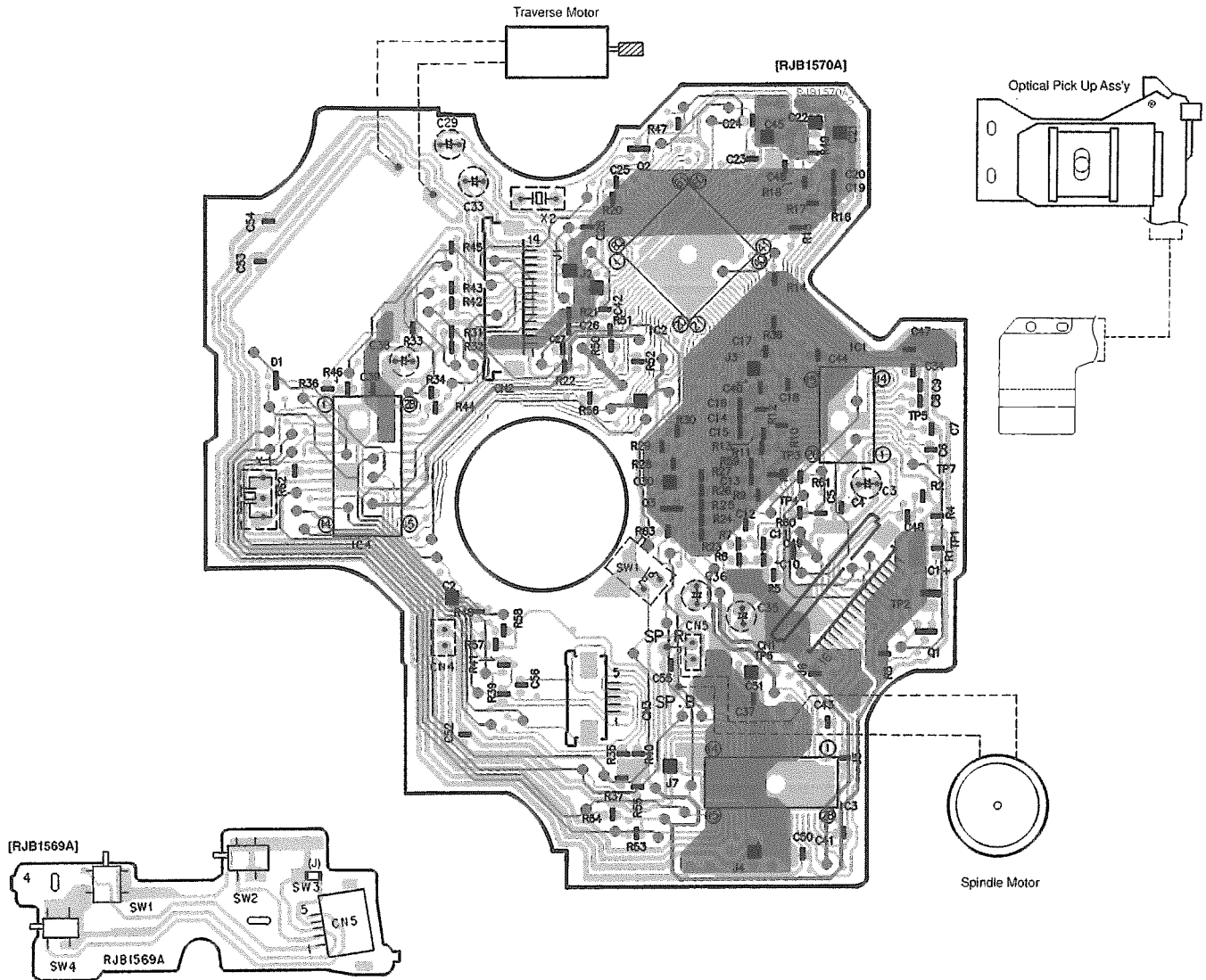
15.2. Main Block (Top View)



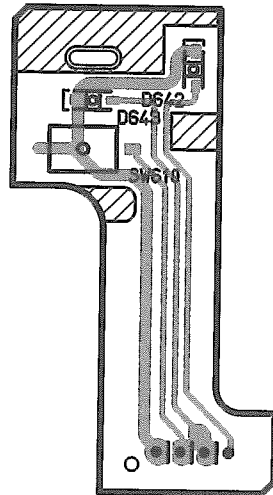
15.3. Main Block (Bottom View)



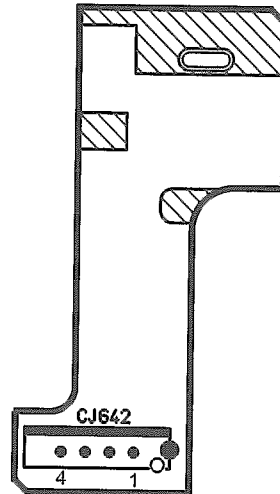
15.4. CD Servo Block



[E-8497Bb]

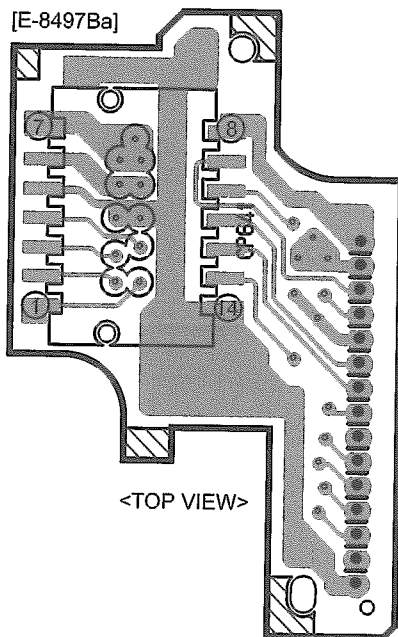


<TOP VIEW>

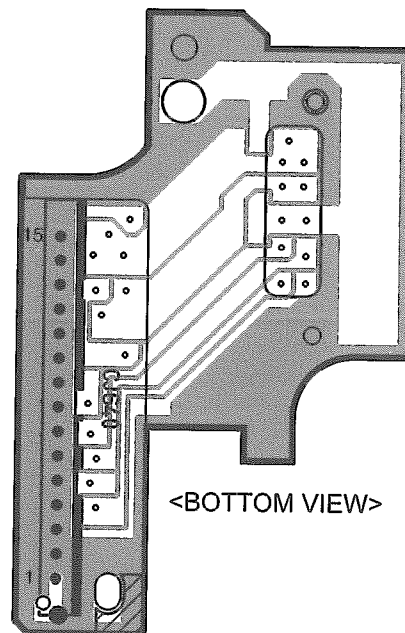


<BOTTOM VIEW>

[E-8497Ba]



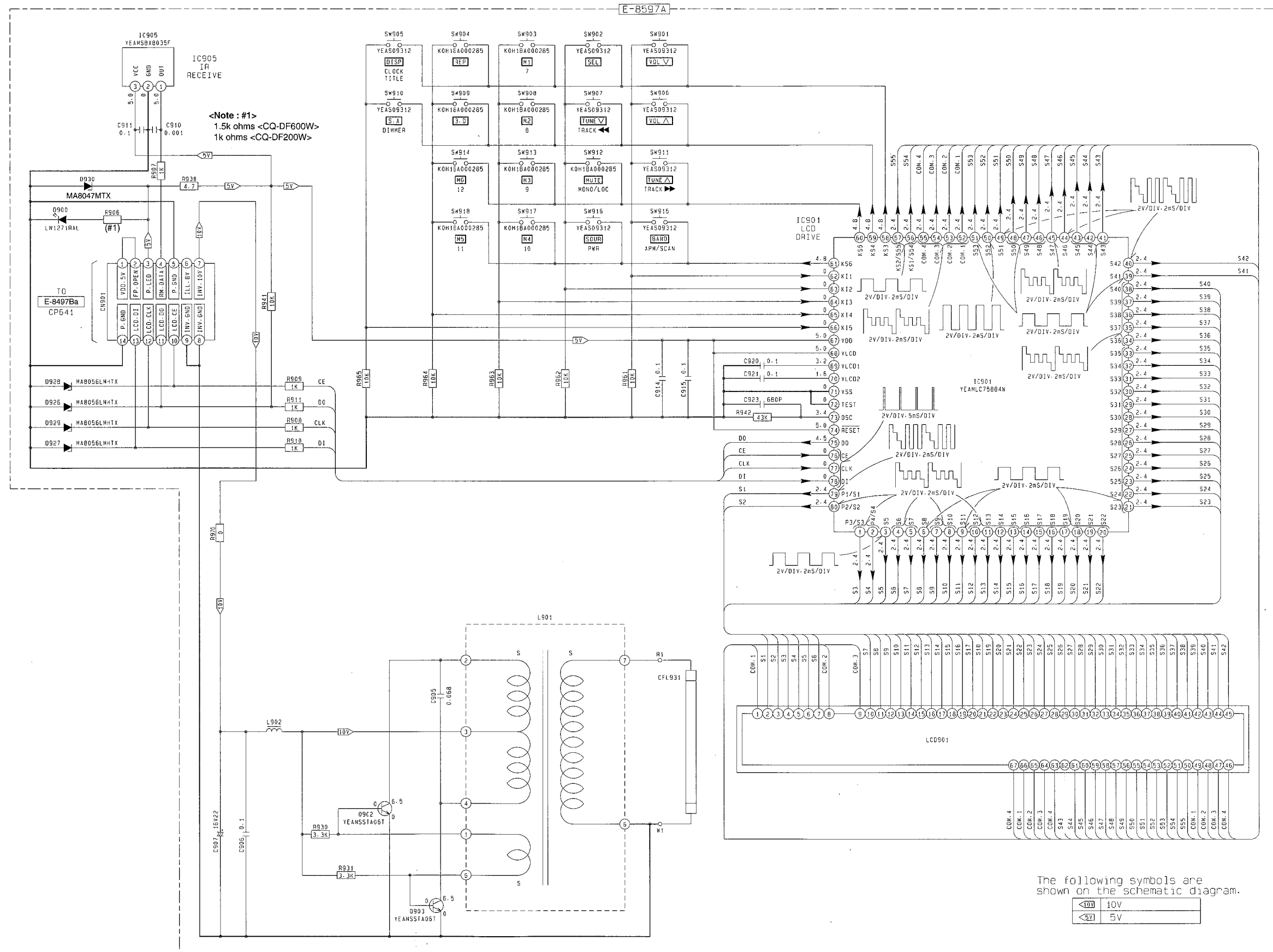
<TOP VIEW>



<BOTTOM VIEW>

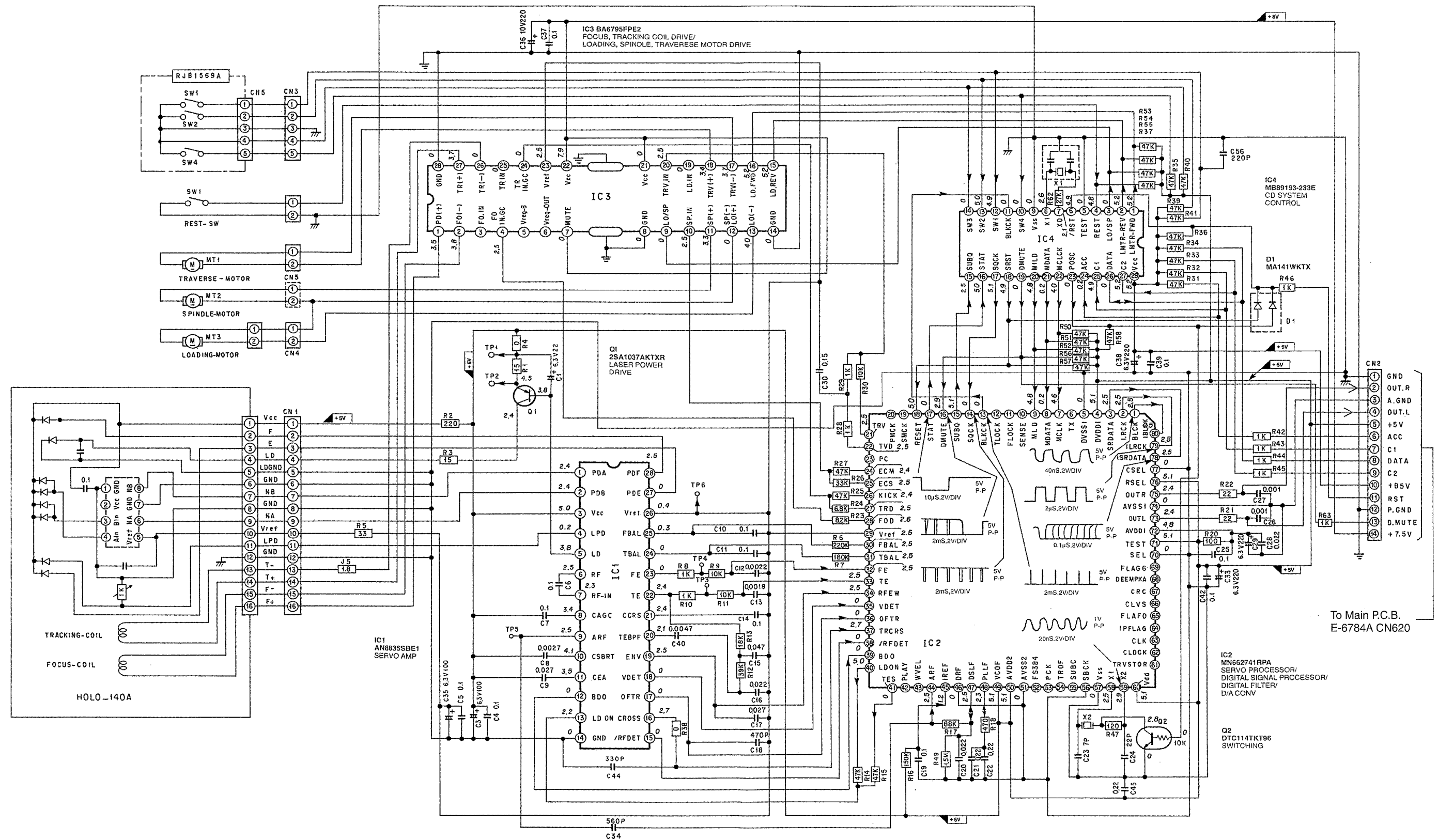
16 SCHEMATIC DIAGRAM

16.1. Display Block





16.3. CD Servo Block



16.4. Sub. Block

