KD-SX1000R J/E

JVC

SERVICE MANUAL

CD RECEIVER

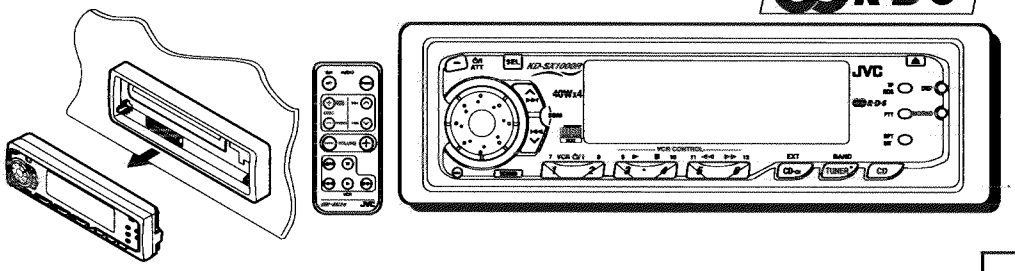
KD-SX1000R J/E

COMPACT disc DIGITAL AUDIO TEXT

DIGIFINE

Detachable

R·D·S



CD Mechanism TN-CCD1001
SYSTEM CPU UPD178018AGC513
POWER AMP TDA8568Q
CD PICKUP OPTIMA720

Area Suffix

E ---- Continental Europe
J ---------- U.S.A

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No.49479
August 1998

Safety Precaution

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

Important for Laser Products (for E version)

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The compact disc player uses invisible laserradiation and is equipped with safety switches whichprevent emission of radiation when the drawer is open and the safety interlocks have failed or are de feated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

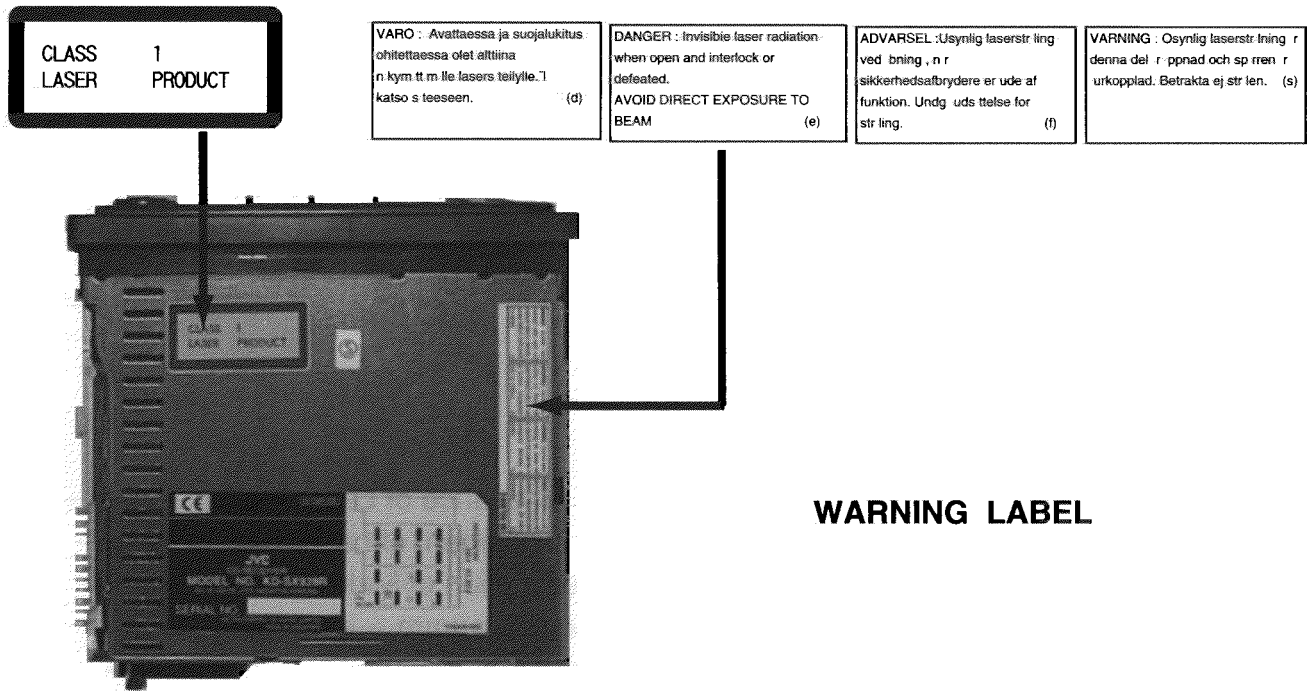
⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

VARNING : Osynlig laserstr lning r denna del r ppnad och sp rren r urkopplad. Betrakta ej str len.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina n kym tt m lle lasers teilylle.¯l katso s teeseen.

ADVARSEL : Usynlig laserstr ling ved bning , n r sikkerhedsafbrydere er ude af funktion. Undg uds ttelse for str ling.

ADVARSEL : Usynlig laserstr ling ved pning,n r sikkerhetsbryteren er avslott. unng utsettelse for str ling.



WARNING LABEL

Important for Laser Products (for J version)

1.CLASS 1 LASER PRODUCT

2.**DANGER :** Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

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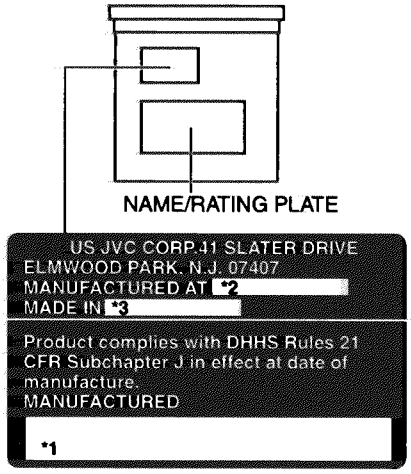
5.**CAUTION :** If safety switches malfunction, the laser is able to function.

6.**CAUTION :** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Identification and Certification labels

Bottom of the main unit



Notes:
*1 The date of manufacture.
*2 The ID code of manufacturing plant.
*3 Marking of country origin.

JVC

CD RECEIVER KD-SX1000R

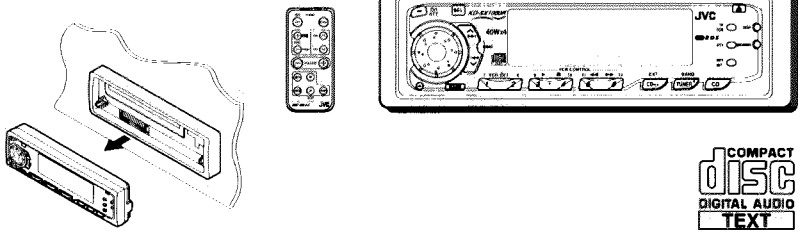
RECEPTOR CON CD KD-SX1000R

RECEPTEUR CD KD-SX1000R

ENGLISH
ESPAÑOL
FRANÇAIS

Detachable

R·D·S



COMPACT disc DIGITAL AUDIO TEXT

For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.
Pour l'installation et les raccordements, se référer au manuel séparé.

For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

INSTRUCTIONS

MANUAL DE INSTRUCCIONES
MANUEL D'INSTRUCTIONS

VNN3874-631S
[J]

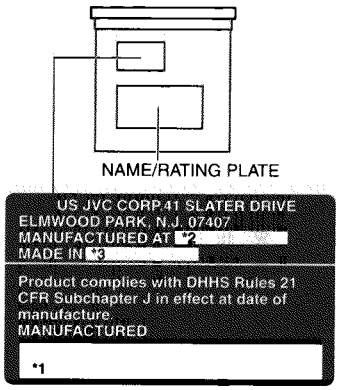
INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Identification and Certification labels

Bottom of the main unit



Notes:

**1 The date of manufacture.*
**2 The ID code of manufacturing plant.*
**3 Marking of country origin.*

IMPORTANT FOR LASER PRODUCTS (For U.S.A. only)

Precautions:

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. **CAUTION:** This CD player uses invisible laser radiation, however, is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION on Volume Setting

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a CD and adjust it as required during playback.

BEFORE USE

**** For safety....***

- *Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.*
- *Stop the car before performing any complicated operations.*

**** Temperature inside the car....***

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

ENGLISH

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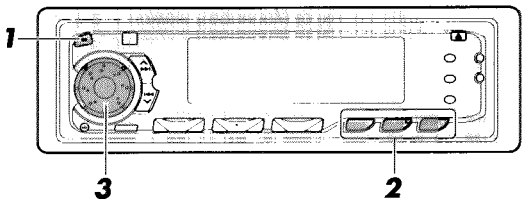
BASIC OPERATIONS



Note:
When you use this unit for the first time, set the built-in clock correctly, see page 26.

1

Turn on the power.

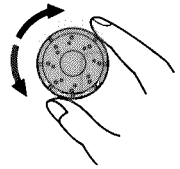
Note on One-Touch Operation:
When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2

Select the source.

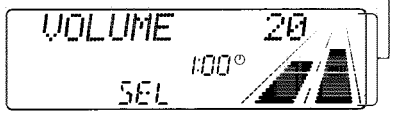
To operate the tuner, see pages 5 – 17.
To operate the CD player, see pages 18 – 22.
To operate the CD changer, see pages 40 – 42.
To operate the external component connected to the LINE IN plugs, see page 43.

3



Adjust the volume.
Volume level appears.

Volume level indicator (see page 29).



4

Adjust the sound as you want (see pages 23 – 25).

To drop the volume in a moment

Press ⏻/I/ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.
To resume the previous volume level, press the button briefly again.

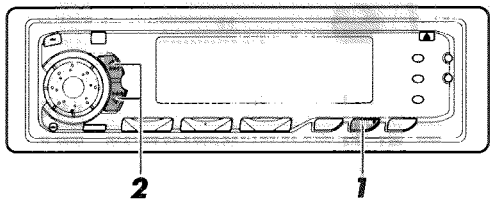
To turn off the power

Press ⏻/I/ATT for more than 1 second.

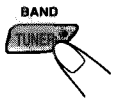
RADIO BASIC OPERATIONS

Listening to the radio

When using this unit in an area other than North or South America:
You need to change the AM/FM channel intervals. See "Changing the AM/FM channel intervals" on page 33.



1

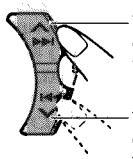


Select the band (FM1, FM2, FM3 or AM).
You can select any one of FM1, FM2, and FM3 to listen to an FM station.

→ F1 → F2 → F3 → AM →
(FM1) (FM2) (FM3)

Selected band appears.

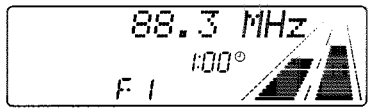
2



To search stations of higher frequencies.

To search stations of lower frequencies.

Start searching a station.
When a station is received, searching stops.



To stop searching before a station is received, press the same button you have pressed for searching.

To tune in a particular frequency without searching

1 Press TUNER/BAND repeatedly to select the band (FM or AM).
2 Press and hold ▶▶I ∧ or I◀◀ ∨ until "M" starts flashing on the display.
Now you can manually change the frequency while "M" is flashing.
3 Press ▶▶I ∧ or I◀◀ ∨ repeatedly until the frequency you want is reached.
• If you hold down the button, the frequency keeps changing (in 200 kHz intervals for FM and 10 kHz intervals for AM) until you release the button.

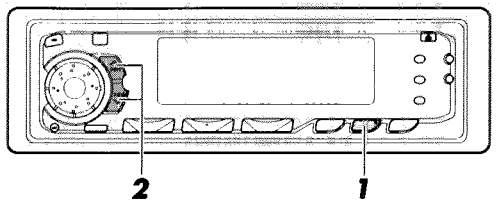
ENGLISH

Storing stations in memory

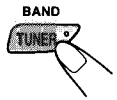
You can use one of the following two methods to store broadcasting stations in memory.
• Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
• Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1,FM2 and FM3).



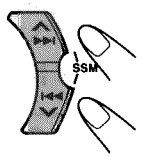
1



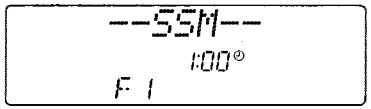
Select the FM band number (FM1,FM2 or FM3) you want to store FM stations into.

→ F1 → F2 → F3 → AM →
(FM1) (FM2) (FM3)

2



Press and hold both buttons for more than 3 seconds.



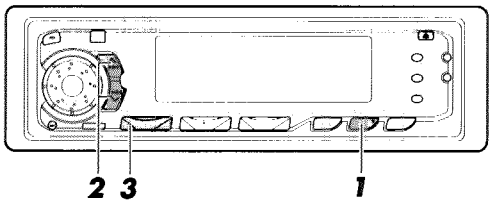
"SSM" appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).
When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

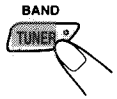
Manual preset

You can preset up to 6 stations in each band (FM1,FM2,FM3 and AM) manually.

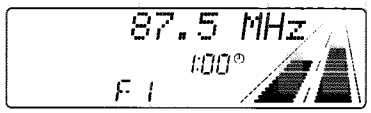
EXAMPLE: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band



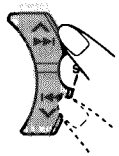
1



Select the FM1 band.

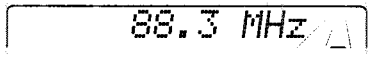


2

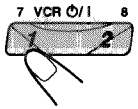


Tune into a station of 88.3 MHz.

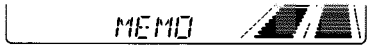
See page 5 to tune into a station.



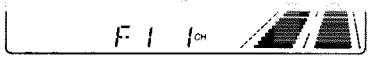
3



Press and hold the number button (in this example, 1) for more than 2 second.



Preset number and "MEMO" flashes alternately for a while.



4

Repeat the above procedure to store other stations into other preset numbers.

Notes:

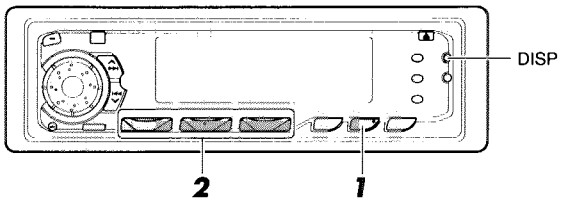
- *A previously preset station is erased when a new station is stored in the same preset number.*
- *Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.*

ENGLISH

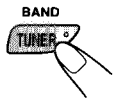
Tuning into a preset station

You can easily tune into a preset station.

Remember that you must store stations first. If you have not stored them yet, see pages 6 and 7.



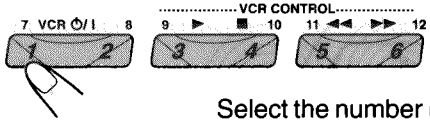
1



Select the band (FM1,FM2,FM3 or AM) you want.

→ **F1** → **F2** → **F3** → **AM**
(FM1) (FM2) (FM3)

2



Select the number (1 – 6) for the preset station you want.

To change the display information while receiving an FM RDS station

Press DISP. Each time you press the button, the display changes as follows:

→ **Station Frequency** → **PS (Station name)** → **PTY (Program type)**

Selecting FM reception sound

When an FM stereo broadcast is hard to receive:

Press MO/RND (Mono/Random) while listening to an FM stereo broadcast. The sound you hear becomes monaural but reception will be improved.

Lights up when receiving an FM broadcast in stereo.

To restore the stereo effect, press the same button again.

RDS OPERATIONS

ENGLISH

What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular program signals. For example, the station send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

By receiving the RDS signals, this unit can do the following:
- Tracing the same programme automatically (Network-tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Program Type) search
- TA (Traffic Announcement) search
- And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

When driving in an area where FM reception is not good, the tuner built in this unit automatically tune in another RDS station, within the same network broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See illustration.)
Two types of the RDS signals are used to make Network-Tracking Reception work correctly — PI (Programme Identification) and AF (alternative Frequency) data.
Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.

To use Network-Tracking Reception, press and hold TP/RDS (Traffic Programme/Radio Data System) for more than 1 second. Each time you press and hold the button, Network-Tracking Reception modes change as follows:

→ **Mode 1** → **Mode 2**

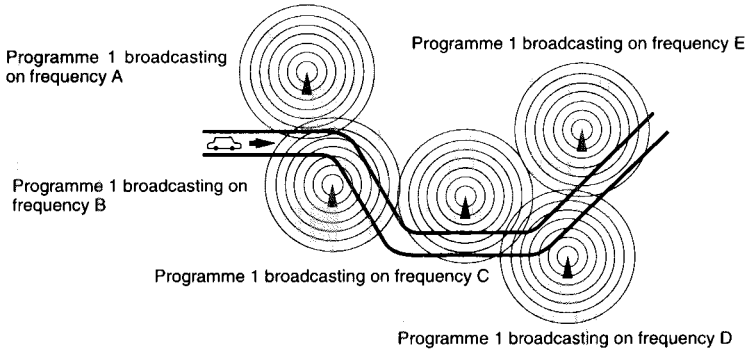
Mode 1 (AF:on)

Network-Tracking is activated.
Switches to another station, within the same network, broadcasting the same programme when the receiving signals from the current station become weak.

Mode 2 (AF:off)

Network-Tracking is deactivated.

The same programme can be received on different frequencies.



Using Standby Reception

Standby Reception allows the unit to switch temporarily to a programme of your favorite programme (PTY: Programme Type) and Traffic Announcement (TA) from the current source (another FM station, CD, and other connected components).

Note:
Standby Reception will not work if you are listening to an AM station.

TA Standby Reception

- When TP/RDS is pressed briefly in the FM mode, the TP indicator is lit during reception of a TP station and the TA standby mode is engaged.

Note:
When the station being received is not a TP station, the TP indicator flashes. Press ▶▶|∧ or |◀◀∨ to engage the TA standby mode. "SEARCH" appears on the display, and TP station search starts. When a TP station is tuned in, the TP indicator is lit.

- If you are listening to a CD and wish to hear a TA broadcast, press TP/RDS to enter the TA standby mode. (The TP indicator lights up.)

If a TA programme starts broadcasting while the TA standby mode is active, "TRAFFIC" appears and the FM mode is engaged. The volume increases to the preset "TA VOLUME" level and the TA programme can be heard (see page 15).

Note:
To deactivate the TA standby mode, press TP/RDS again.

PTY Standby Reception

- When PTY is briefly pressed in the FM mode, the PTY indicator is lit during reception of a PTY station and the PTY standby mode is engaged. The selected PTY name stored on page 12 flashes for 5 seconds.

Note:
When the station being received is not a PTY station, the PTY indicator flashes. Press ▶▶|∧ or |◀◀∨ to engage the PTY standby mode. "SEARCH" appears on the display, and PTY station search starts. When a PTY station is tuned in, the PTY indicator is lit.

- If you are listening to a CD and wish to hear a selected PTY broadcast, press PTY to enter the PTY standby mode. (The PTY indicator lights up.)

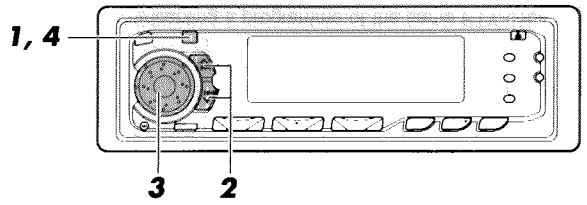
If the PTY starts broadcasting while the PTY standby mode is active, the selected PTY name appears and the FM mode is engaged. The selected PTY can then be heard.

Note:
To deactivate the PTY standby mode, press PTY again.

ENGLISH

Selecting Your Favorite Programme for PTY Standby Reception

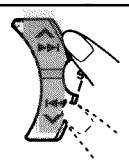
You can select your favorite programme for PTY Standby Reception to store in memory.
When shipped from the factory, "NEWS" is stored as the programme type for PTY Standby Reception.



1

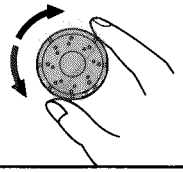
Press and hold the button for more than 2 seconds to call up the Preferred Setting Mode (PSM: see page 27).

2



Select "PTY STANDBY" if not shown on the display.

3



Select one of twenty-four PTY codes. (See the table on page 17.)
Selected code name appears on the display and is stored into memory.

4

Finish setting.

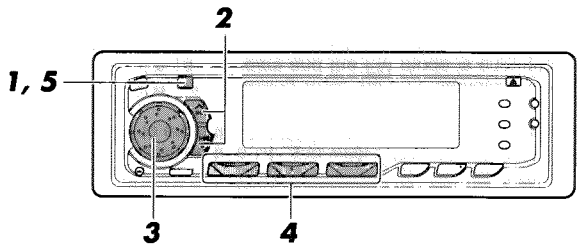
Searching Your Favorite Programme

You can search one of your 6 favorite programme types stored in memory.
When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

1	2	3	4	5	6
INFORM	TALK	ROCK	JAZZ	CLASSICL	PUBLIC

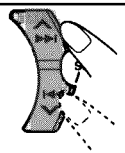
ENGLISH

To store your favorite programme types

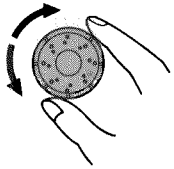


1 

Press and hold the button for more than 2 seconds to call up the Preferred Setting Mode (PSM: see page 27).

2 

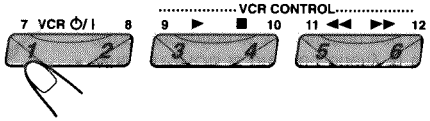
Select "PTY SEARCH" if not shown on the display.

3 

Select one of twenty-four PTY codes. (See the table on page 17.)

Selected code name appears on the display.

- If the code already stored in memory is selected, it will flash on the display.

4 

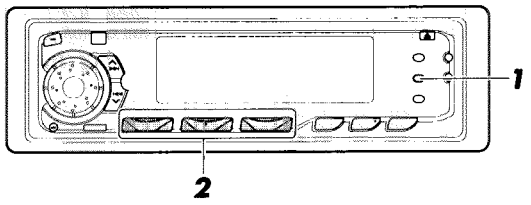
Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want.

PTY preset number appears, and selected code name and "MEMORY" alternates on the display.

5 

Finish setting.

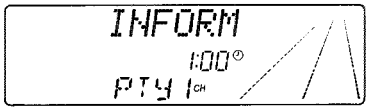
To search your favorite programme type

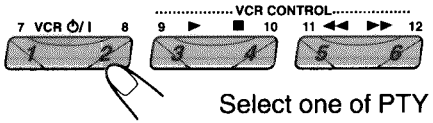


1 

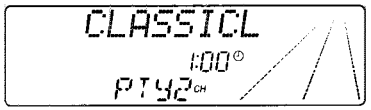
Press and hold the button for more than 1 second while listening to an FM station.

The last selected PTY code and preset number appear.



2 

Select one of PTY codes stored in the preset number buttons (1 to 6).



Ex. When "CLASSICL" is stored in preset number button 2.

PTY search for your favorite programme starts after 5 seconds.

- If there is a station broadcasting a programme of the same PTY code you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.

Other convenient RDS functions and adjustments

ENGLISH

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in.
However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit starts searching another station broadcasting the same programme as the original preset station is broadcasting, then if any station broadcasting the same programme is found, the station will be tuned in.

Changing the display mode while listening to an FM station

You can change the initial indication on the display to either station name (PS) or to station frequency, while listening to an FM RDS station.

• See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "DISPLAY MODE" with ▶▶|∧ or |◀◀∨.
3. Set to the desired indication (either station name or station frequency) with the control dial.

Note:

By pressing DISP, you can also change the display while listening to an FM RDS station.
Each time you press the button, the display changes to show the following:

→ **Station Frequency** → **PS (Station name)** → **PTY (Program type)** →

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

• See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "TA VOLUME" with ▶▶|∧ or |◀◀∨.
3. Set to the desired volume with the control dial.

Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjust automatically using the CT (Clock Time) data in the RDS signal.
If you do not want to use automatic clock adjustment, follow the procedure below.

• See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "AUTO ADJUST" with ▶▶|∧ or |◀◀∨.
3. Select "ADJUST OFF" by turning the control dial counterclockwise.
   Now automatic clock adjustment is canceled.

To reactivate clock adjustment, repeat the same procedure and select "ADJUST ON" in step 3 by turning the control dial clockwise.

Note:

It takes about 2 minutes to adjust the time using the CT data. So, you must tune to the station for more than 2 minutes continuously; otherwise, the clock time will not be adjusted.

PTY codes

No.	Indications on the display	No.	Indications on the display
1	NEWS	13	NOSTALGA
2	INFORM	14	JAZZ
3	SPORTS	15	CLASSICL
4	TALK	16	R&B
5	ROCK	17	SOFT R&B
6	CLS ROCK	18	LANGUAGE
7	ADLT HIT	19	REL MUSC
8	SOFT RCK	20	REL TALK
9	TOP 40	21	PERSNLTY
10	COUNTRY	22	PUBLIC
11	OLDIES	23	COLLEGE
12	SOFT	24	WEATHER

Descriptions of the PTY Codes

NEWS: News reports, either local or network in origin.

INFORM: Programming that is intended to impart advice.

SPORTS: Sports reporting, commentary, and/or live event coverage, either local or network in origin.

TALK: Call-in and/or interview talk shows either local or national in origin.

ROCK: Album cuts.

CLS ROCK: Rock oriented oldies, often mixed with hit oldies, from a decade or more ago.

ADLT HIT: An up-tempo contemporary hits format with no hard rock and no rap.

SOFT RCK: Album cuts with a generally soft tempo.

TOP 40: Current hits, often encompassing a variety of rock styles.

COUNTRY: Country music, including contemporary and traditional styles.

OLDIES: Popular music, usually rock, with 80% or greater non-current music.

SOFT: A cross between adult hits and classical, primarily non-current soft-rock originals.

NOSTALGA: Big-band music.

JAZZ: Mostly instrumental, includes both traditional jazz and more modern "smooth jazz."

CLASSICL: Mostly instruments, usually orchestrations of adult hits.

R & B: A wide range of musical styles, often called "urban contemporary."

SOFT R & B: Rhythm and blues with a generally soft tempo.

LANGUAGE: Any programming format in a language other than English.

REL MUSC: Music programming with religious lyrics.

REL TALK: Call-in shows, interview programs, etc. with a religious theme.

PERSNLTY: A radio show where the on-air personality is the main attraction.

PUBLIC: Programming that is supported by listeners and/or corporate sponsors instead of advertising.

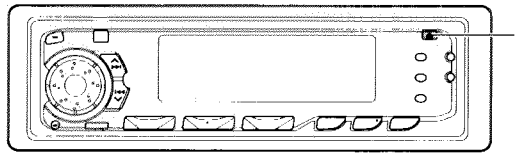
COLLEGE: Programming produced by a college or university radio station.

WEATHER: Weather forecasts or bulletins that are non-emergency in nature.

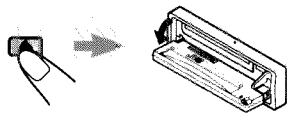
ENGLISH

CD OPERATIONS

Playing a CD

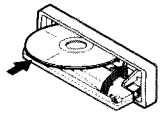


1

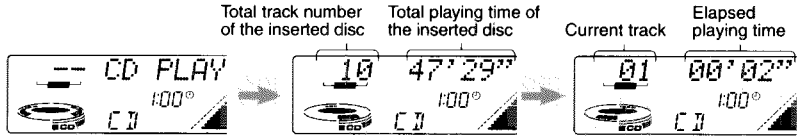


Open the control panel.

2



1. Insert a disc into the loading slot.
   The unit turns on, draws a CD and starts playback automatically.
2. Close the control panel by hand.



Notes:

- *When a CD is inserted up side down, "PLEASE EJECT" appears on the display. When you open the control panel by pressing ⏏, the CD automatically ejects.*
- *When you play the CD Text, the disc title and performer appear on the display. Then the current track and elapsed playing time appears on the display. If a CD Text includes much text information, some may not appear on the display.*

Note on One-Touch Operation:
When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.

To stop play and eject the CD

Press ⏏.
CD play stops, the control panel opens, then the CD automatically ejects from the loading slot. If you change the source to AM/FM, CD changer or external component, the CD play also stops (without ejecting the CD this time).

Notes:

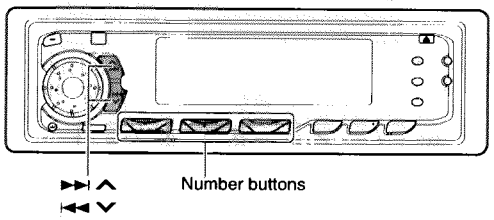
- *If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)*
- *You can eject the CD even when the unit is turned off.*

To show the assigned name while the elapsed playing time appears

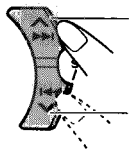
Press DISP. Each time you press the button, elapsed playing time and assigned name (see page 34) appears alternately on the display.

- See also "Playing the CD Text" (page 22) and "Selecting the scroll mode" (page 33).

Locating a track or a particular portion on a CD



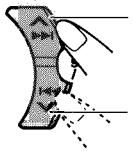
To fast forward or reverse the track



Press and hold ▶▶I ^, while playing a CD, to fast forward the track.

Press and hold I◀◀ v, while playing a CD, to reverse the track.

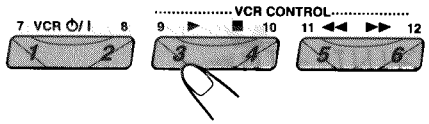
To go to the next track or the previous track



Press ▶▶I ^ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next track is located and played back.

Press I◀◀ v briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous track is located and played back.

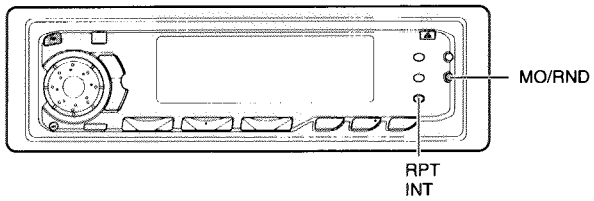
To go to a particular track directly



Press the number button corresponding to the track number to start its playback.

- To select a track number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

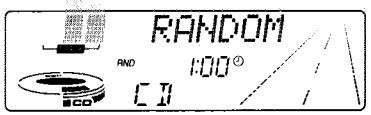
Selecting CD playback modes



To play back tracks at random (Random Play)

You can play back all tracks on the CD at random.

Each time you press MO/RND (Mono/Random) while playing a CD, CD random play mode turns on and off alternately.
When the random mode is turned on, the RND indicator lights up on the display and a track randomly selected starts playing.

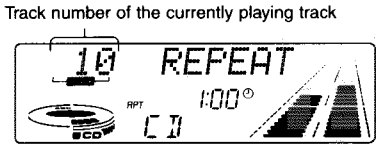


To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.

Each time you press and hold RPT/INT (Repeat/Intro) for more than 1 second while playing a CD, CD repeat play mode turns on and off alternately.
When the repeat mode is turned on, the RPT indicator lights up on the display.

Track number of the currently playing track



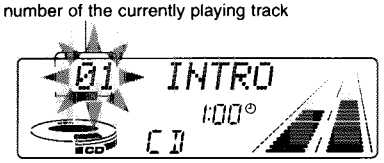
ENGLISH

To play back only intros (Intro Scan)

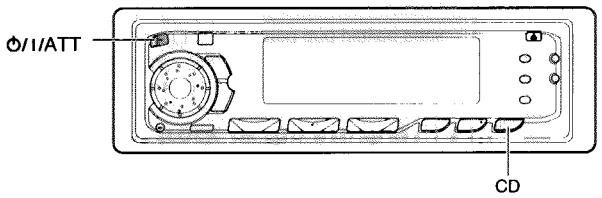
RPT INT

Each time you press RPT/INT (Repeat/Intro) briefly while playing a CD, CD intro scan mode turns on and off alternately.
When the intro scan mode is turned on, "INTRO" appears on the display for 5 seconds and the track number flashes. The first 15 seconds of each track are played sequentially.

Track number of the currently playing track

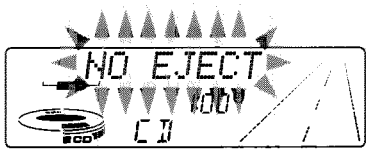


Prohibiting CD ejection



You can prohibit CD ejection and can lock a CD in the loading slot.

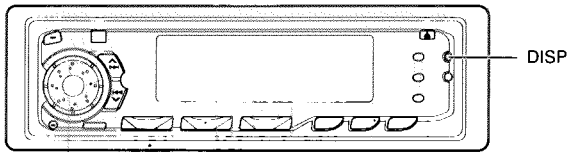
While pressing CD, press and hold ⏻/I/ATT for more than 2 seconds. "NO EJECT" flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.



To cancel the prohibition and unlock the CD, press ⏻/I/ATT again for more than 2 seconds, while pressing CD. "EJECT OK" appears on the display, and the CD is unlocked.

Playing the CD Text

In a CD Text, some information about the disc (its disc title, performer and track title) is recorded. You can show these disc information on the display.



DISP

Select text display mode while playing a CD Text.

Each time you press the button, the display changes as follows:

Disc Title / Performer → Track Title
Current track and Elapsed playing time

Notes:

- *The display shows up to 12 characters at one time and scrolls if there are more than 12 characters. See also "Selecting the scroll mode" on page 33.*
  If a CD Text includes much text information, track title may not appear on the display. (In this case, "MEMORY FULL" will appear.)
- *When you press DISP while playing a CD you have assigned name to, you can also show it on the display. If you have not assigned anything, "NO NAME" appears on the display.*

SOUND ADJUSTMENTS

Selecting preset sound modes

ENGLISH

You can select a preset sound adjustment suitable to the music genre:

Each time you press SOUND, the sound control mode (SCM) changes as follows.

→ OFF → BEAT → SOFT → POP →

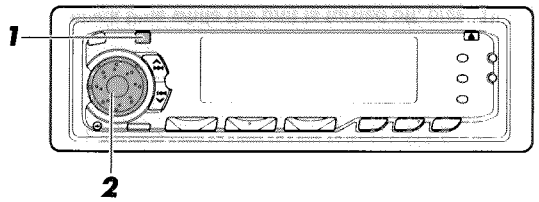
Indication	For:	Preset values		
		Bass	Treble	Loudness
OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+02	00	On
SOFT	Quiet background music	+01	–03	Off
POP	Light music	+04	+01	Off

Notes:

- *You can adjust the preset sound control mode to your preference, and store it in memory. If you want to adjust and store your original sound control mode, see "Storing your own sound adjustments" on page 25.*
- *To adjust only the bass and treble reinforcement levels to your preference, see "Adjusting the sound" on page 24.*

Adjusting the sound

You can adjust the sound characteristics to your preference.



1

Select the item you want to adjust.

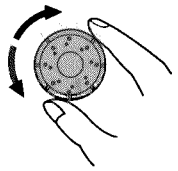
→ BASS → TREBLE → FADER →
VOLUME ← LOUDNESS ← BALANCE ←

Indication	To do:	Range
BASS	Adjust the bass	–06 (min.) — +06 (max.)
TREBLE	Adjust the treble	–06 (min.) — +06 (max.)
FADER*	Adjust the front and rear speaker balance	R06 (rear only) — F06 (front only)
BALANCE	Adjust the left and right speaker balance	L06 (left only) — R06 (right only)
LOUDNESS	Boost low and high frequencies to produce a well-balanced sound at low volume level.	ON — OFF
VOLUME	Adjust the volume	00 (min.) — 50 (max.)

Note:

* *If you are using a two-speaker system, set the fader level to "00" (center).*

2



Adjust the level.

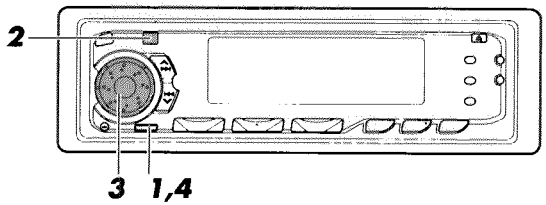
Note:

Normally the control dial is used to set the volume. So you do not have to select "VOLUME" to adjust the volume level.

ENGLISH

Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 23) to your preference and store your own adjustments in memory.



1 Call up the sound mode you want to adjust.
See page 23 for details.

2 Select "BASS", "TREBLE" or "LOUDNESS."

Within 5 seconds

3 Adjust the selected item.
See page 24 for details.

4 Press and hold the button until the setting selected in step 2 appears and starts flashing on the display.
Your setting is stored in memory.

5 Repeat the same procedure to store other settings.

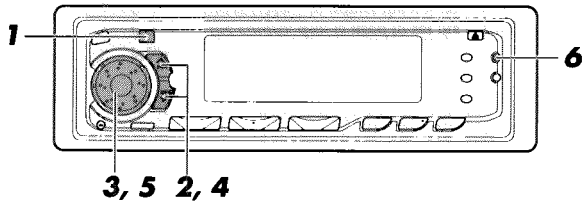
To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 23.

OTHER MAIN FUNCTIONS

Setting the clock

You can also set the clock system either to 24 hours or 12 hours. (See page 29.)



1 Press and hold the button for more than 2 seconds so that "PSM" appears on the lower part of the display.

2 [1]

3 [2] Set the hour.

[1] Select "CLOCK HOUR" if not shown on the display.
[2] Adjust the hour.

4 [1]

5 [2] Set the minute.

[1] Select "CLOCK MINUTE."
[2] Adjust the minute.

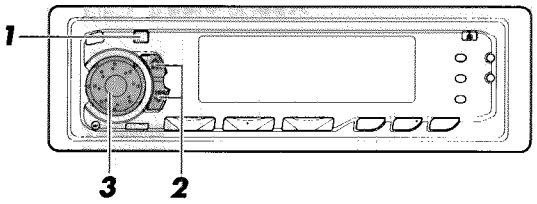
6 DISP Start the clock.

To check the current clock time while the unit is turned off, press DISP.
The power turns on, the clock time is shown for 5 seconds, then the power turns off.

Changing the general settings (PSM)

You can change the items listed on the next page by using the PSM (Preferred Setting Mode) control.

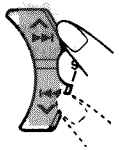
Basic Procedure



1

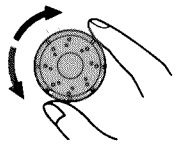
Press and hold the button for more than 2 seconds so that "PSM" appears on the lower part of the display.

2



Select the PSM item you want to adjust. (See page 28.)

3



Select or adjust the PSM item selected above.

1	2 Select.	3 Set.		Factory-preset settings	See page
CLOCK HOUR	Hour adjustment	Back	Advance	1:00	26
CLOCK MINUTE	Minute adjustment	Back	Advance		
CLOCK24H/12H	24/12-hour time display	12HOUR	24HOUR	12HOUR	29
AUTO ADJUST	Automatic setting of the clock	OFF	ON	OFF	16
DISPLAY MODE	Display mode	FREQUENCY	PS NAME	PS NAME	15
PTY STANDBY	PTY standby	24 programme types (See page 17.)		NEWS	12
PTY SEARCH	PTY search			(See page 12.)	12
TA VOLUME	Traffic announcement volume	VOL (00-50)		VOL (20)	15
LEVEL METER	Level display	NORMAL ↔ PEAK ↔ OFF		NORMAL	29
DIMMER MODE	Dimmer	AUTO ↔ OFF ↔ ON		AUTO	29
CRUISE MODE	Audio cruise	1 ↔ 2 ↔ OFF		OFF	30
+ OR – RPM SET	Idling speed *	—		800 rpm	31
BOOST	Boost *	01 –15		05	31
BEEP SWITCH	Key-touch tone	OFF	ON	ON	32
P.AMP SWITCH	Power amplifier switch	OFF	ON	ON	32
CONTRAST	Display contrast	1 –10		5	33
SCROLL MODE	Name display	ONCE ↔ AUTO ↔ OFF		ONCE	33
AREA CHANGE	AM/FM channel intervals	EU	US	US	33

** When you select "1" or "2" for Audio Cruise Mode, you can adjust these items.*

- Press SEL (Select) when the setting is complete.

ENGLISH

Selecting 24-hour or 12-hour clock

You can change the clock built in this unit either to 24 hour system or 12 hour system.

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select the "CLOCK24H/12H" mode with ▶▶|∧ or |◀◀∨.
3. Select "CLOCK 24HOUR" or "CLOCK 12HOUR" with the control dial.
   The clock built alternates between 24 hour system and 12 hour system.

24HOUR ⟷ 12HOUR

Selecting the level display

You can select the level display according to your preference. When shipped from the factory, the level indicator on the display shows the audio level.

- NORMAL: Audio level indicator
- PEAK: Peak level indicator
- OFF: Volume level indicator

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "LEVEL METER" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.
   The level display setting changes as follows:

NORMAL ⟷ PEAK ⟷ OFF

Selecting the dimmer mode

When you turn on the car head lights, the display automatically dims (Auto Dimmer).
When shipped from the factory, Auto Dimmer mode is activated.

- AUTO: Activates Auto Dimmer
- ON: Always dims the display
- OFF: Cancels Auto Dimmer

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "DIMMER MODE" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.
   The dimmer mode changes as follows:

AUTO ⟷ ON ⟷ OFF

Note on Auto Dimmer:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.
In this case, set the dimmer mode to "ON" or "OFF".

Controlling the volume automatically (Audio Cruise Mode)

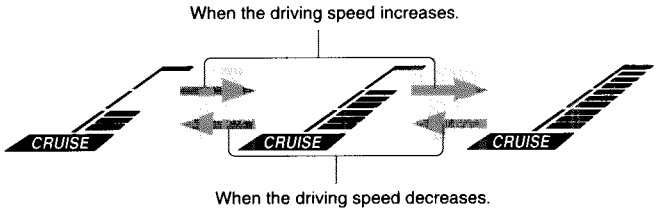
You can select the proper cruise mode for your car.
This unit change the volume level automatically (at 3 possible levels) based on the driving speed of your car by detecting the alternator's generating frequency (Audio Cruise).
If you want to use this mode, follow the procedures below. When shipped from the factory, this mode is set to "OFF."

- 1: Select this if your car is relatively quiet.
- 2: Select this if your car is relatively loud.
  The volume increase rate is twice as much as that of the CRUISE 1 setting.
- OFF: Cancels Audio Cruise.

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "CRUISE MODE" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.
   The cruise mode changes as follows:

1 ⟷ 2 ⟷ OFF

When this function is turned on (the CRUISE indicator lights up on the display), the proper volume level is automatically selected among the 3 possible levels according to the driving speed, and the selected level is shown on the display.



To adjust the volume increase rate

If you find Audio Cruise increases (or decreases) the volume either too much or too little as the driving speed changes. You can adjust the increase rate by changing the boost level. To change it, follow the procedure below.

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "CRUISE MODE" with ▶▶|∧ or |◀◀∨.
3. Select either "CRUISE 1" or "CRUISE 2" with the control dial.
4. Select "BOOST" with ▶▶|∧ or |◀◀∨.
   The current boost level appears on the display.
5. Select the desired boost level (among 1 to 15) as you want while the current boost level is shown on the display with the control dial.
   - To increase the volume increase rate, rotate it clockwise.
   - To decrease the volume increase rate, rotate it counterclockwise.

If Audio Cruise does not function correctly

You may need to store the idling speed into memory to make Audio Cruise function correctly.

NOTICE that a number of factors, such as electric power steering, wipers, power windows, air conditioner, etc. do generate noises and, as a result, may cause Audio Cruise not to function correctly. If this is the main cause of malfunction, connect the memory backup lead (yellow lead) directly to the car battery to prevent these noises from affecting Audio Cruise.

1. Start the engine and let it warm up.
2. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
3. Select "CRUISE MODE" with ▶▶|∧ or |◀◀∨.
4. Select either "CRUISE 1" or "CRUISE 2" with the control dial.
5. Select "+ OR – RPM SET" with ▶▶|∧ or |◀◀∨.
6. Select the desired idling speed as you want with the control dial.

When the setting is complete, the unit automatically checks to see if Audio Cruise functions correctly with this new idling setting. If it does not function correctly, Audio Cruise is canceled automatically and the idling setting becomes invalid.

- *If this happens, see the NOTICE above.*

Turning on or off the key-touch tone

You can deactivate the key-touch tone if you do not want to make it beep when you press a button. When shipped from the factory, the key-touch tone is activated.

- ON: Activates the key-touch tone.
- OFF: Deactivates the key-touch tone.

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "BEEP SWITCH" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.
   The key-touch tone alternates between on and off.

ON ⟷ OFF

Turning on or off the power amplifier switch

You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat builtup inside this unit. When shipped from the factory, the power amplifier switch is turned on so that built-in amplifier works.

- ON: Select this mode when not using external power amplifier(s).
- OFF: Select this mode when using external power amplifier(s).

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "P.AMP SWITCH" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.
   The power amplifier switch alternates between on and off.

ON ⟷ OFF

ENGLISH

Adjusting the contrast level

You can adjust the display contrast level (among 1 to 10). When shipped from the factory, the display contrast level is at level 5.

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "CONTRAST" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.

Selecting the scroll mode

You can select the scroll mode for the name display and disc information if it consists of more than 12 characters. When shipped from the factory, Auto Scroll mode is set to "ONCE."

- AUTO: Repeats the scroll (5-second intervals in between)
- ONCE: Scrolls only once
- OFF: Cancels Auto Scroll

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "SCROLL MODE" with ▶▶|∧ or |◀◀∨.
3. Select the desired mode with the control dial.
   The scroll mode changes as follows:

→ AUTO ↔ ONCE ↔ OFF ←

Note:

Even if the scroll mode is set to "OFF," you can scroll the display by pressing DISP for more than 1 second while changing display mode.

Changing the AM/FM channel intervals

When this unit is shipped from the factory, the channel intervals are set to 10 kHz for AM and 200 kHz for FM (AREA US settings).
You will have to change the channel intervals when using this unit in an area other than North America and South America.

- **AREA EU**: Select this when using this unit in an area other than North and South America. (9 kHz for AM and 50 kHz (for manual tuning) / 100 kHz (for searching) for FM)
- **AREA US**: Select this when using this unit in North or South America. (10 kHz for AM and 200 kHz for FM)

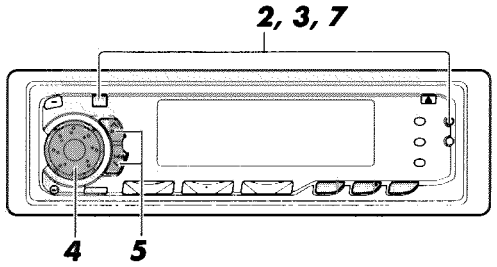
1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "AREA CHANGE" with ▶▶|∧ or |◀◀∨.
3. Select the correct channel intervals with the control dial.
   The channel intervals alternate between EU settings and US settings.

EU ↔ US

Assigning names to the sources

You can assign a name to a CD and the external component connected to the LINE IN plugs. After assigned a name, it will appear on the display when you select it.

Sources	Maximum number of the characters
CDs	up to 32 characters (up to 40 discs)
External component	up to 12 characters



1

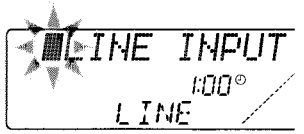
Select a source you want to assign a name to.

2

Press and hold SEL (select) for more than 2 seconds while pressing DISP.

When you select the CD as the source:

When you select the external component connected to the LINE IN plugs as the source:



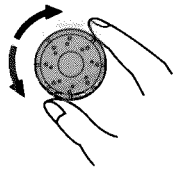
3

Select the character set you want while "■" is flashing.

Each time you press the button, the character set changes as follows:

Capital letters → Small letters → Numbers and symbols → (back to Capital letters)

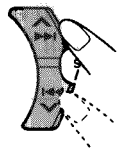
4



Select a character.

About the available characters, see page 36.

5



Move the cursor to the next (or previous) character position.

6

Repeat steps 3 to 5 until you finish inputting the name.

7

Press the button while the last selected character is flashing.

The input name is stored in memory.

To erase the input characters

Insert spaces using the same procedure described above.

Notes:

- *When you assign a name to the 41st disc, "NAME FULL" appears on the display. (In this case, delete unwanted names before assignment.)*
- *When the CD changer CH-X1200 connected, you can assign names to CDs in CH-X1200. These names can also be shown on the display if you insert the CDs in this unit.*
  You can also change the disc title of a CD Text by assigning a name to the disc. However, if you do so, its performer will not be shown after changing the disc title.

Available characters

Capital letters

A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	space			

Small letters

a	b	c	d	e	f	g	h	i	j
k	l	m	n	o	p	q	r	s	t
u	v	w	x	y	z	space			

Numbers and symbols

0	1	2	3	4	5	6	7	8	9
!	"	#	$	%	&	'	(	)	*
+	,	−	.	/	:	;	<	=	>
?	@	_	`	space					

ENGLISH

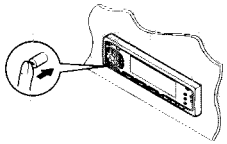
Detaching the control panel

You can detach the control panel when leaving the car.
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

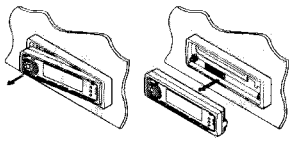
How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

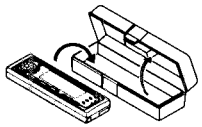
1 Unlock the control panel.



2 Pull the control panel out of the unit.

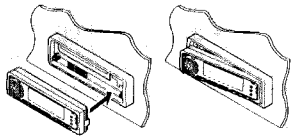


3 Put the detached control panel into the provided case.

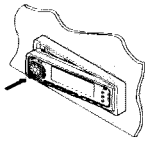


How to attach the control panel

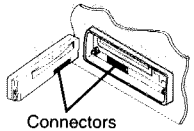
1 Insert the right side of the control panel into the groove on the panel holder.



2 Press the left side of the control panel to fix it to the panel holder.

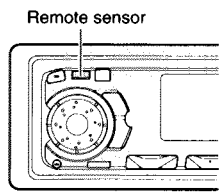


Note on cleaning the connectors:
If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



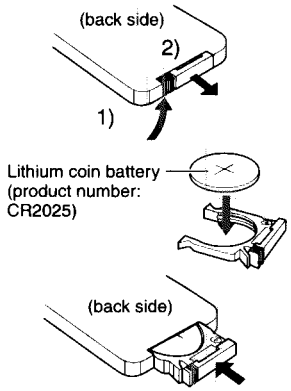
REMOTE OPERATIONS

Before using the remote controller:
- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).



Installing the batteries

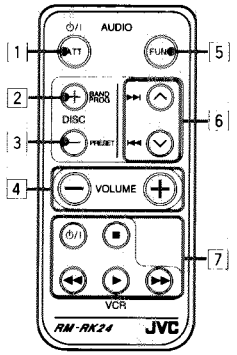
When it becomes necessary to bring the remote controller close to the remote sensor for it to work, the battery is running low, at this point, the battery should be replaced. (Battery life is about 1 year with normal use.)



1. **Remove the battery case.**
   1) Push in the direction indicated by the arrow with your right hand thumbnail.
   2) Remove the battery case.
2. **Replace the battery.**
   Put the battery in the case with the + side facing upwards.
3. **Return the battery case.**
   Insert again the battery case pushing until you hear a clicking sound.

WARNING:
- *Store the batteries in a place which children cannot reach.*
  If a child somehow ingests the battery, immediately consult a doctor.
- *Do not recharge, short, disassemble or heat the batteries or put them in a flame.*
  Doing any of these things may cause the batteries to give off heat, crack or start a fire.
- *Do not mix the batteries with other metals.*
  Doing this may cause the batteries to give off heat, crack or start a fire.
- *When throwing away or saving the batteries, wrap in tape and insulate.*
  If this is not done, it may cause the batteries to give off heat, crack or start a fire.
- *Do not poke the batteries with a metal pin set of similar device.*
  Doing this may cause the batteries to give off heat, crack or start a fire.

Using the remote controller



1 Functions the same as the ⏻/I/ATT button on the main unit.

2 • Functions as the BAND button while listening to the radio. Each time you press the button, the band changes.
• Functions as the DISC + button while listening to the CD changer.
Each time you press the button, the disc number increases, and the selected disc starts playing.
• Does not function as the PROG button.

3 • Functions as the PRESET button while listening to the radio.
Each time you press the button, the preset station number increases, and the selected station is tuned in.
• Functions as the DISC – button while listening to the CD changer.
Each time you press the button, the disc number decreases, and the selected disc starts playing.

4 Functions the same as the control dial on the main unit.
• Does not function for the preferred setting mode adjustment.

5 Select the source.
Each time you press FUNC (function), the source changes.

6 • Searches stations while listening to the radio.
• Fast forwards or reverses the track if pressed and held while listening to a CD.
• Skips to the beginning of the next tracks or goes back to the beginning of the current (or previous tracks) if pressed briefly while listening to a CD.

7 • ⏻/I: Turns on or off a VCR if pressed.
• ■: Stops playing a tape if pressed.
• ◄◄: Rewinds a tape if pressed and held while watching a VCR.
• ►: Starts playing a tape if pressed.
• ►►: Fast forwards a tape if pressed and held while watching a VCR.

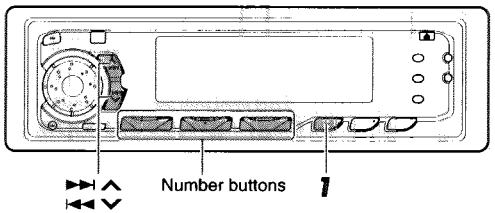
ENGLISH

CD CHANGER OPERATIONS

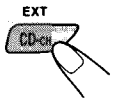
We recommend that you use one of the CH-X series (ex: CH-X1200) with your unit.
If you have another CD automatic changer, consult your JVC car audio dealer for connections.
• *For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.*

Before operating your CD automatic changer:
• Refer also to the Instructions supplied with your CD changer.
• If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
• If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

Playing CDs

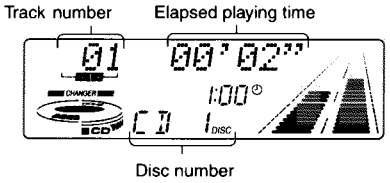


1



Select the CD automatic changer.
Each time you press the button, you can select the CD automatic changer and the external component alternately.

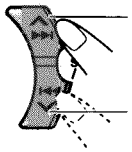
Playback starts from the first track of the first disc.
All tracks of all discs are played back.



Note on One-Touch Operation:
When you press CD-CH/EXT, the power automatically comes on. You do not have to press ⏻/I/ATT *to turn on the power.*

ENGLISH

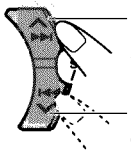
To fast forward or reverse the track



Press and hold ▶▶I ^, while playing a CD, to fast forward the track.

Press and hold I◀◀ v, while playing a CD, to reverse the track.

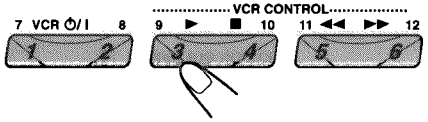
To go to the next track or the previous track



Press ▶▶I ^ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next track is located and played back.

Press I◀◀ v briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous track is located and played back.

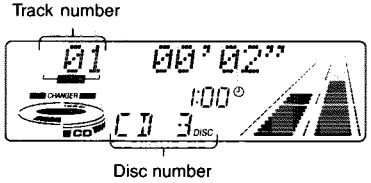
To go to a particular disc directly



Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).

- To select a disc number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

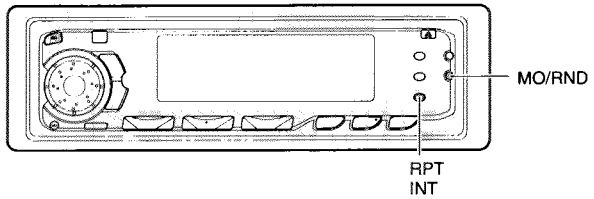
Ex. When disc number 3 is selected



To show the CD Text information

See "Playing the CD Text" on page 22.

Selecting CD playback modes



To play back tracks at random (Random Play)

Each time you press MO/RND (Mono/Random) while playing a CD, CD random play mode changes as follows:

RANDOM1 → RANDOM2 → Canceled → RANDOM1

Mode	RND Indicator	Plays at random
RANDOM1	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RANDOM2	Flashes	All tracks of all discs inserted in the magazine.

To play back tracks repeatedly (Repeat Play)

Each time you press and hold RPT/INT (Repeat/Intro) for more than 1 second while playing a CD, CD repeat play mode changes as follows:

REPEAT1 → REPEAT2 → Canceled → REPEAT1

Mode	RPT Indicator	Plays repeatedly
REPEAT1	Lights	The current track (or specified track).
REPEAT2	Flashes	All tracks of the current disc (or specified disc).

To play back only intros (Intro Scan)

Each time you press RPT/INT (Repeat/Intro) briefly while playing a CD, CD intro scan mode changes as follows:

INTRO 1 → INTRO 2 → Canceled → INTRO 1

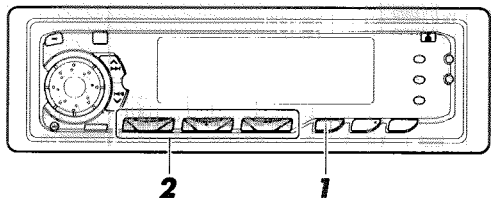
Mode	Indication	Plays the beginnings (15 seconds)
INTRO 1	Track number flashes	Of all tracks on all inserted discs.
INTRO 2	Track and Disc numbers flash	Of the first track on each inserted disc.

EXTERNAL COMPONENT OPERATIONS

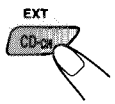
ENGLISH

After connecting a VCR (KZ-V10) to the LINE IN plugs, you can perform the following operations. You can also connect the TV to this unit.

Playing VCRs

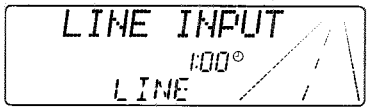


1

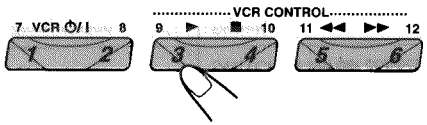


Select the external component.

Each time you press the button, you can select the CD automatic changer and the external component alternately.



2



Operate VCRs.

VCR ⏻/I : Turns on and off.
►: Starts playing.
■: Stops operations.
◄◄: Rewinds a tape.
►►: Fast winds a tape.

Note:

When selecting an external component as the source, the display always shows "VCR ..." by pressing these buttouns regardress of whether you connect VCR or not.

Note on One-Touch Operation:

When you press CD-CH/EXT, the power automatically comes on. You do not have to press ⏻/I/ATT *to turn on the power.*

MAINTENANCE

Handling CDs

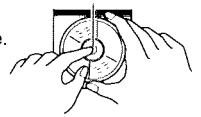
This unit has been designed only to reproduce the CDs bearing the COMPACT disc DIGITAL AUDIO and COMPACT disc DIGITAL AUDIO TEXT marks. Other discs cannot be played back.

How to handle CDs

When removing a CD from its case, press down the center holder of the case and lift the CD out, holding it by the edges.

- Always hold the CD by the edges. Do not touch its recording surface.

Center holder



When storing a CD into its case, gently insert the CD around the center holder (with the printed surface facing up).

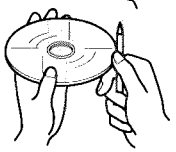
- Make sure to store CDs into the cases after use.

To keep CDs clean

A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

To play new CDs

New CDs may have some rough spots around the inner and outer edges. If such a CD is used, this unit may reject the CD.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.



Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the CD and leave the unit turned on for a few hours until the moisture evaporates.

CAUTIONS:

- *Do not insert 8cm (3 3/16") CDs (single CDs) into the loading slot. (Such CDs cannot be ejected.)*
- *Do not insert any CD of unusual shape – like a heart or flower; otherwise, it will cause a malfunction.*
- *Do not expose CDs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.*
- *Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean CDs.*

About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying.
We recommend that you stop CD play while driving on such rough roads.

TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service centre.

Symptoms	Causes	Remedies
• CD cannot be played back.	CD is inserted upside down.	Insert the CD correctly.
• CD sound is sometimes interrupted.	You are driving on rough roads.	Stop CD play while driving on rough roads.
	CD is scratched.	Change the CD.
	Connections are incorrect.	Check the cords and connections.
• Sound cannot be heard from the speakers.	The volume control is turned to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.
	"P. AMP (Power Amplifier) SWITCH" is not set correctly.	Set "P. AMP SWITCH" correctly. See page 32.
• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• "NO DISC" appears on the display.	No CD is in the loading slot (or in the magazine).	Insert CD.
	CD is inserted incorrectly.	Insert it correctly.
• "RESET 8" appears on the display.	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
• "RESET 1-RESET 7" appears on the display.	———	Press the reset button of the CD changer. (Except CH-X1200)
• CD can be neither played back nor ejected.	The CD player may function incorrectly.	Press CD and SEL at the same time for more than 2 seconds. ("PLEASE EJECT" appears on the display.) When you open the control panel by pressing ⏏, be careful not to drop CD when it is ejected.
• The unit does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Press ⏻/I/ATT and SEL at the same time for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.)

ENGLISH

SPECIFICATIONS

AUDIO AMPLIFIER SECTION

Maximum Power Output:
Front: 40 watts per channel
Rear: 40 watts per channel
Continuous Power Output (RMS):
Front: 16 watts per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8 % total harmonic distortion.
Rear: 16 watts per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8 % total harmonic distortion.
Load Impedance: 4 Ω (4 to 8 Ω allowance)
Tone Control Range:
Bass: ±10 dB at 100 Hz
Treble: ±10 dB at 10 kHz
Frequency Response: 40 to 20,000 Hz
Signal-to-Noise Ratio: 70 dB
Line-In Level/Impedance: 1.5 V/20 kΩ
Line-Out Level/Impedance: 4.0 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ

TUNER SECTION

Frequency Range:
FM: 87.5 to 107.9 MHz
(with channel interval set to 200 kHz)
87.5 to 108.0 MHz
(with channel interval set to 50 kHz)
AM: 530 to 1,710 kHz
(with channel interval set to 10 kHz)
531 to 1,602 kHz
(with channel interval set to 9 kHz)

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity:
16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz):
65 dB
Frequency Response: 40 to 15,000 Hz
Stereo Separation: 30 dB
Capture Ratio: 1.5 dB

[AM Tuner]
Sensitivity: 20 μV
Selectivity: 35 dB

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 to 20,000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit

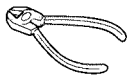
GENERAL

Power Requirement:
Operating Voltage: DC 14.4 volts (11 to 16 volts allowance)
Grounding System: Negative ground
Dimensions (W x H x D)
Installation Size:
182 x 52 x 150 mm
(7-3/16" x 2-1/16" x 5-15/16")
Panel Size: 188 x 58 x 14 mm
(7-7/16" x 2-5/16" x 5/8")
Mass: 1.4 kg (3.1 lbs) (excluding accessories)

Design and specifications subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.

JVC KD-SX1000R



Installation/Connection Manual
Manual de instalación/conexión
Manuel d'installation/raccordement

VNN3874-T631S
[J]

Printed in Singapore
0698MNMMDWJES
EN, SP, FR

ENGLISH

- This unit is designed to operate on 12 volts DC, NEGATIVE ground electrical systems.

INSTALLATION (IN-DASH MOUNTING)

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

1 **Before mounting:** Press [▲] (Control Panel Release button) to detach the control panel.
2 Remove the trim plate.
3 Remove the sleeve after disengaging the sleeve locks.
① Stand the unit.
Note: When you stand the unit, be careful not to damage the fuse on the rear.
② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.
③ Remove the sleeve.
Note: Be sure to keep the handles for future use after installing the unit.
4 Install the sleeve into the dashboard.
* After the sleeve is correctly installed into the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.
5 Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
6 Do the required electrical connections explained on the back of this instructions.
7 Slide the unit into the sleeve until it is locked.
8 Attach the trim plate.
9 Attach the control panel.

ESPAÑOL

- Esta unidad está diseñada para funcionar con 12 voltios de CC, con sistemas eléctricos de masa NEGATIVA.

INSTALACION (MONTAJE EN EL TABLERO DE INSTRUMENTOS)

- La siguiente ilustración muestra una instalación típica. Sin embargo usted deberá efectuar los ajustes correspondientes a su automóvil. Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.

1 **Antes de instalar:** Presione [▲] (botón de liberación del panel de control) para desmontar el panel de control.
2 Retire la placa de guarnición.
3 Retire la manga después de desenganchar los retenes de la manga.
① Ponga la unidad vertical.
Nota: Al poner la unidad vertical, tenga cuidado de no dañar el fusible provisto en la parte posterior.
② Inserte las dos asas entre la unidad y la manga tal como en la ilustración y desenganche los retenes de la manga.
③ Retire la manga.
Nota: Después de instalar la unidad, asegúrese de guardar las asas para uso futuro.
4 Instale la cubierta en el tablero de instrumentos.
* Después de que la manga esté correctamente instalada en el tablero de instrumentos, doble las lengüetas correspondientes para sostener la manga firmemente en su lugar, tal como se muestra.
5 Fixe el perno de montaje ou la parte trasera del cuerpo de la unidad y coloque el cojín de goma sobre el extremo del perno.
6 Realice las conexiones eléctricas requeridas en base a las explicaciones que figuran en la parte de atrás de estas instrucciones.
7 Deslice la unidad dentro de la manga hasta que quede trabada.
8 Coloque la placa de guarnición.
9 Coloque el panel de control.

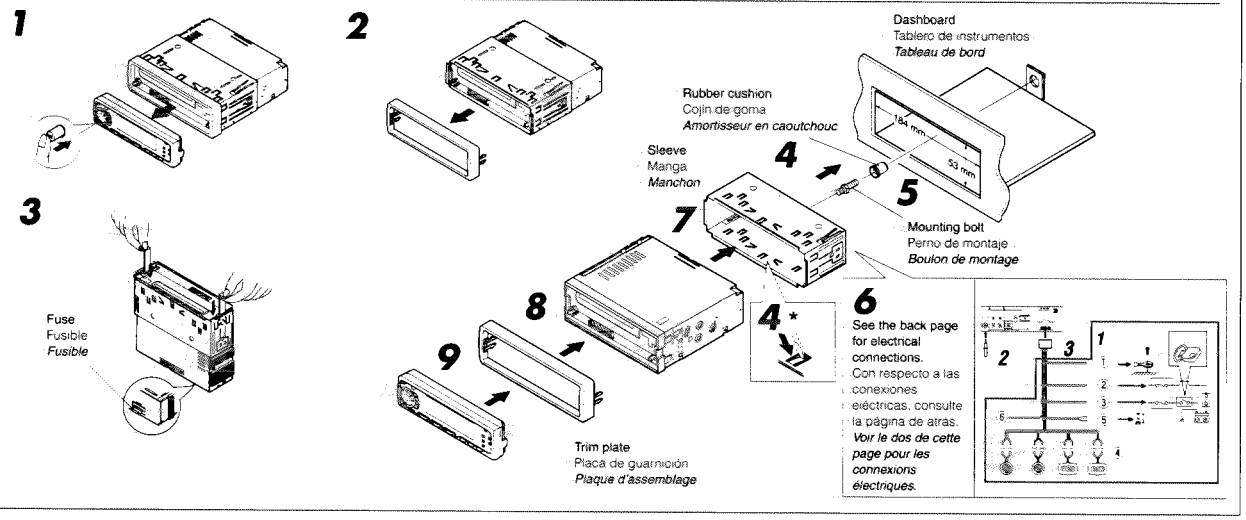
FRANÇAIS

- *Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 volts à masse NEGATIVE.*

INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

- *L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.*

1 **Avant le montage:** *Appuyer sur [▲] (touche de libération du panneau de commande) pour détacher le panneau de commande.*
2 *Retirer la plaque d'assemblage.*
3 *Libérer les verrous du manchon et retirer le manchon.*
① *Poser l'appareil à la verticale.*
Remarque: *Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur le fond.*
② *Insérer les 2 poignées entre l'appareil et le manchon comme indiqué pour désengagé les verrous de manchon.*
③ *Retirer le manchon.*
Remarque: *S'assurer de garder les poignées pour une utilisation ultérieur, après l'installation de l'appareil.*
4 *Installer le manchon dans le tableau de bord.*
* *Après installation correcte du manchon dans le tableau de bord, plier les bonnes pattes pour maintenir fermement le manchon en place, comme montré.*
5 *Monter le boulon de montage sur l'arrière du corps de l'appareil puis passer l'amortisseur en caoutchouc sur l'extrémité du boulon.*
6 *Réalisez les connexions électriques expliquées au dos de cette page.*
7 *Faire glisser l'appareil dans le manchon jusqu'à ce qu'il soit verrouillé.*
8 *Fixer la plaque d'assemblage.*
9 *Remonter le panneau de commande.*



TROUBLESHOOTING

- **The fuse blows.**
  * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
  * Is the yellow lead connected?
- **No sound from the speakers.**
  * Is the speaker output lead short-circuited?
- **Sound is distorted.**
  * Is the speaker output lead grounded?
  * Are the "–" terminals of L and R speakers grounded in common?
- **Unit becomes hot.**
  * Is the speaker output lead grounded?
  * Are the "–" terminals of L and R speakers grounded in common?

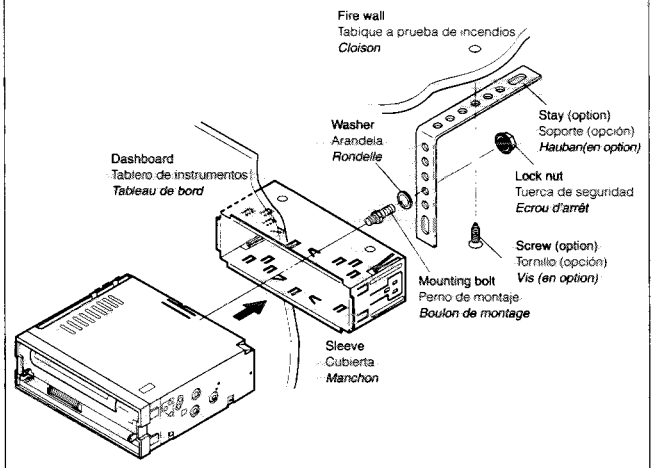
LOCALIZACION DE AVERIAS

- **El fusible se quema.**
  * ¿Están los conductores rojo y negro correctamente conectados?
- **No es posible conectar la alimentación.**
  * ¿Está el cable amarillo conectado?
- **No sale sonido de los altavoces.**
  * ¿Está el cable de salida del altavoz cortocircuitado?
- **El sonido presenta distorsión.**
  * ¿Está el cable de salida del altavoz conectado a masa?
  * ¿Están los terminales "–" de los altavoces L y R conectados a una masa común?
- **La unidad se calienta.**
  * ¿Está el cable de salida del altavoz conectado a masa?
  * ¿Están los terminales "–" de los altavoces L y R conectados a una masa común?

EN CAS DE DIFFICULTÉS

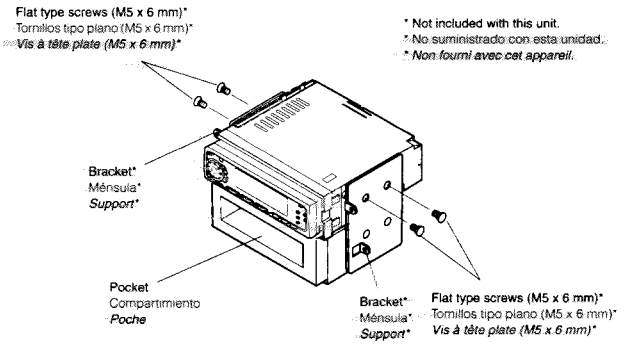
- **Le fusible saute.**
  * *Les fils rouge et noir sont-ils racordés correctement?*
- **L'appareil ne peut pas être mise sous tension.**
  * *Le fil jaune est-elle raccordée?*
- **Pas de son des haut-parleurs.**
  * *Le fil de sortie de haut-parleur est-il court-circuité?*
- **Le son est déformé.**
  * *Le fil de sortie de haut-parleur est-il à la masse?*
  * *Les bornes "–" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?*
- **L'appareil devient chaud.**
  * *Le fil de sortie de haut-parleur est-il à la masse?*
  * *Les bornes "–" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?*

• When using the optional stay
• Cuando emplee un soporte opcional
• Lors de l'utilisation du hauban en option



• When installing the unit without using the sleeve
• Instalación de la unidad sin utilizar la cubierta
• Lors de l'installation de l'appareil sans utiliser de manchon

In a Toyota for example, first remove the car radio and install the unit in its place.
En un Toyota por ejemplo, primero extraiga la radio del automóvil y luego instale la unidad en su lugar.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.



Note: When installing the unit on the mounting bracket, make sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.

Nota: Cuando instala la unidad en la ménsula de montaje, asegúrese de utilizar los tornillos de 6 mm de longitud. Si se utilizan tornillos más largos, éstos pueden dañar la unidad.

Remarque: *Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 6 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.*

Removing the unit

• Before removing the unit, release the rear section.

1 Remove the control panel.

2 Remove the trim plate.

3 Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. **(Be sure to keep the handles after installing it.)**

Extracción de la unidad

• Antes de extraer la unidad, libere la sección trasera.

1 Extraiga el panel de control.

2 Retire la placa de guarnición.

3 Inserte las 2 manijas entre las ranuras, como se muestra. Luego, separe gentilmente las manijas y extraiga la unidad. **(Asegúrese de conservar las manijas después de instalarlo.)**

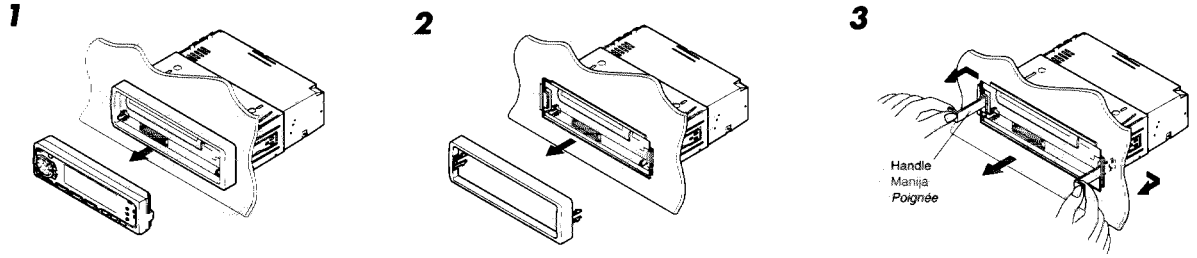
Retrait de l'appareil

• *Avant de retirer l'appareil, libérer la section arrière.*

1 *Retirer le panneau de commande.*

2 *Retirer la plaque d'assemblage.*

3 *Introduire les deux poignées dans les fentes, comme montré. Puis, tout en tirant doucement les poignées écartées, faire glisser l'appareil pour le sortir.* **(S'assurer de conserver les poignées après l'installation de l'appareil.)**



Parts list for installation and connection

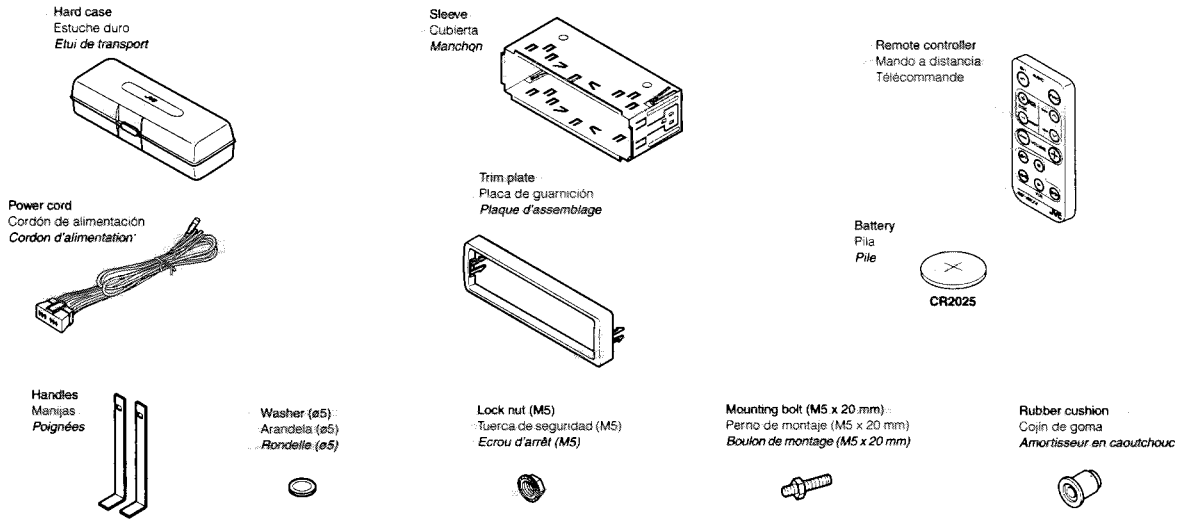
The following parts are provided with this unit.
After checking them, please set them correctly.

Lista de piezas para instalación y conexión

Con esta unidad se suministran las siguientes piezas.
Después de inspeccionarlas, colóquelas correctamente.

Liste des pièces pour l'installation et raccordement

Les pièces suivantes sont fournies avec cet appareil.
Après vérification, veuillez les placer correctement.



ENGLISH

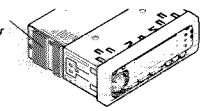
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:
This unit is designed to operate on **12 volts DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- If noise is a problem...
  This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (See connection diagram below.) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
- Maximum input of the speakers should be more than 40 watts at the rear and 40 watts at the front, with an impedance of **4 to 8 ohms**.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.

Heat sink
Sumidero térmico
Dissipateur de chaleur



ESPAÑOL

CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad. Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

Nota:
Esta unidad está diseñada para funcionar con **12 voltios de CC, con sistemas eléctricos de masa NEGATIVA**. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Si el ruido fuese un problema...
  Esta unidad tiene un filtro de ruido en el circuito de alimentación. Sin embargo, en algunos vehículos pueden producirse chasquidos u otros ruidos indeseados. En tal caso conecte el **terminal de tierra posterior** (Ver diagrama de conexión abajo.) del receptor al chasis del automóvil, utilizando cordones más gruesos y cortos tales como alambre de cobre trenzado o de grueso calibre. Si el ruido persiste, consulte a su concesionario de JVC de equipos de audio para automóvil.
- La entrada máxima de los altavoces traseros debe ser mayor de 40 vatios y la de los delanteros de 40 vatios, con una impedancia de **4 a 8 ohmnios**.
- **Asegúrese de conectar esta unidad a tierra en el chasis del automóvil.**
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

FRANÇAIS

RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

Remarque:
Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 volts à masse NEGATIVE**. *Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.*

- *Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.*
- *Si le bruit est un problème...*
  Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la **borne de masse arrière** *de l'appareil au châssis de la voiture (voir le schéma de raccordement ci-dessous) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.*
- *La puissance admissible des haut-parleurs doit être supérieure à 40 watts à l'arrière et à 40 watts l'avant, avec une impédance de* **4 à 8 ohms**.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- *Le radiateur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.*

A Typical Connections / Conexiones típicas / Raccordements typiques

Before connecting: Check the wiring in the vehicle carefully not to fail in connecting this unit. Incorrect connection may cause serious damage to this unit.

1 Connect the colored leads of the power cord to the car battery, speakers and automatic antenna (if any) in the following sequence.
- ① Black: ground
- ② Yellow: to car battery (constant 12V)
- ③ Red: to an accessory terminal
- ④ Others: to speakers
- ⑤ Blue with white stripe: to automatic antenna (250mA max.)
- ⑥ Orange with white stripe: to illimination or small lamp trminal
- ⑦ White with blue stripe: to TV

2 Connect the antenna cord.

3 Finally connect the wiring harness to the unit.

Antes de la conexión: Verifique atentamente el conexionado del vehículo para no cometer errores al conectar esta unidad. Una conexión incorrecta podría producir daños graves en la unidad.

1 Conecte los conductores de color del cable de alimentación a la batería del automóvil, altavoces y antena automática (si la hubiere) en la secuencia siguiente.
- ① Negro: a tierra.
- ② Amarillo: a la batería del automóvil (12V constantes)
- ③ Rojo: a un terminal de accesorio
- ④ Otros: a los altavoces
- ⑤ Azul con rayas blancas: a la antena automática (250mA máximo)
- ⑥ Naranja con rayas blancas: a iluminación o terminal de lámpara pequeña
- ⑦ Blanco con rayas azules: al televisor

2 Conecte el cable de antena.

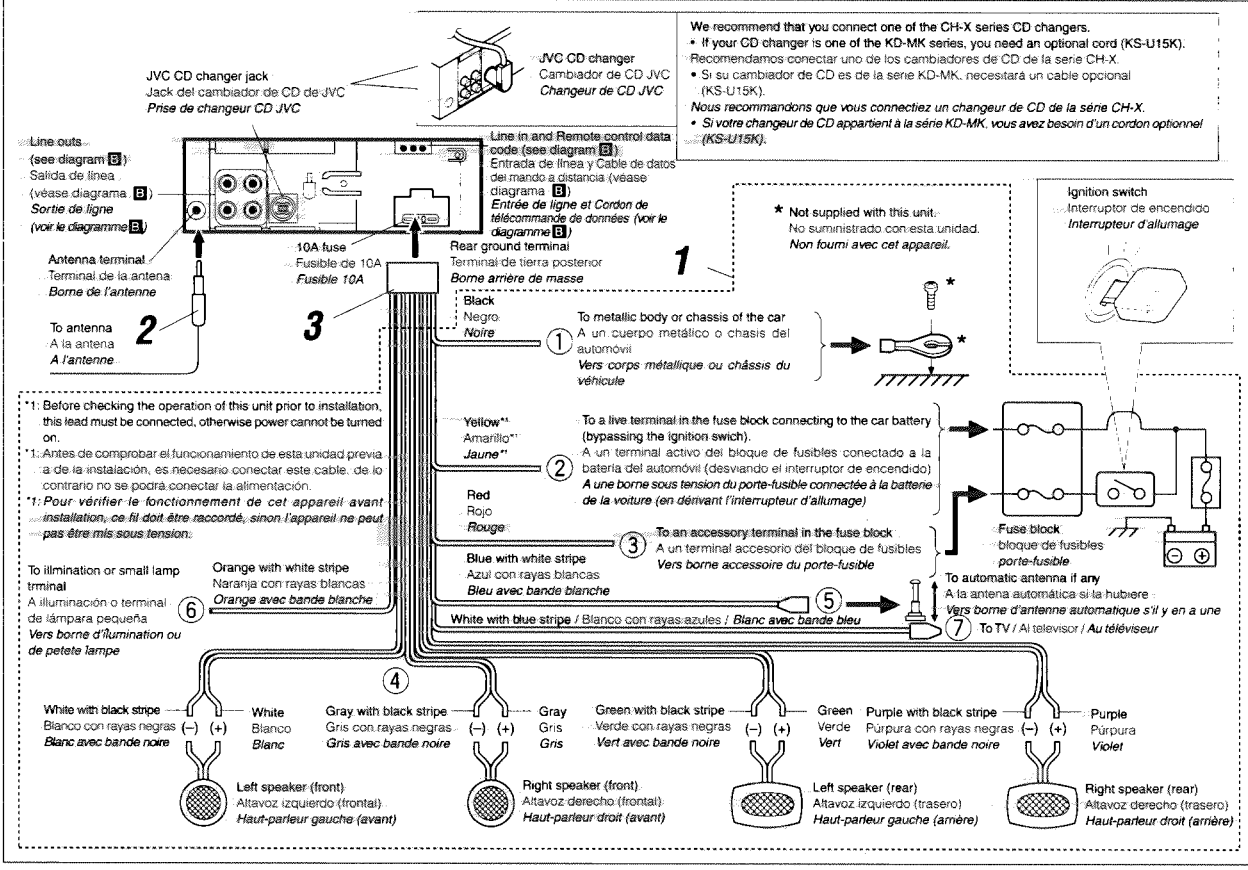
3 Por último, conecte a la unidad el cableado preformado.

Avant de commencer la connexion: *vérifiez attentivement le câblage du véhicule pour ne pas connecter incorrectement cet appareil. Une connexion incorrecte peut endommager sérieusement l'appareil.*

1 *Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une), dans l'ordre suivant.*
- ① *Noir: à la masse*
- ② *Jaune: à la batterie de la voiture (12V constant)*
- ③ *Rouge: à la prise accessoire*
- ④ *Autres: aux enceintes*
- ⑤ *Bleu à bandes blanches: à l'antenne automatique (250mA maximum)*
- ⑥ *Orange à bandes blanches: vers borne d'ilumination ou de petete lampe*
- ⑦ *Blanc avec bande bleu: au téléviseur*

2 *Connectez le cordon d'antenne.*

3 *Finalement, connectez le faisceau de fils à l'appareil.*



PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12V), and red lead (to an accessory terminal) correctly.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
  - **If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below,** DO NOT connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
  - **If the speaker wiring in your car is as illustrated in Fig. 3,** you can connect the unit using the original speaker wiring in your car.
  - If you are not sure of the speaker wiring of your car, consult your car dealer.

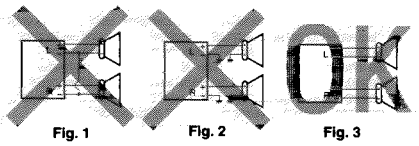


Fig. 1 Fig. 2 Fig. 3

PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:

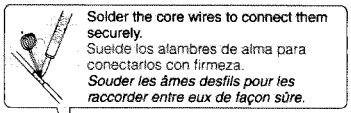
- NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.
- Conecte correctamente el conductor negro (a tierra), el conductor amarillo (a la batería del automóvil, 12V constantes), y el conductor rojo (a un terminal de accesorio).
- ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.
  - **Si el conexionado de altavoz de su automóvil es como se indica en las Figs. 1 y 2 de abajo,** NO conecte la unidad utilizando ese conexionado de altavoz original. Si lo hace, se producirán daños graves en la unidad. Vuelva a efectuar el conexionado de altavoz de manera que pueda conectar la unidad a los altavoces de la manera indicada en la Fig.3.
  - **Si el conexionado de altavoz de su automóvil es como se indica en la Fig.3,** podrá conectar la unidad utilizando el conexionado de altavoz original de su automóvil.
  - Si tiene dudas sobre el conexionado de altavoz de su automóvil, consulte con su concesionario.

PRECAUTIONS sur l'alimentation et la connexion des enceintes:

- *NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.*
- *Connectez correctement le fil noir (a la masse), le fil jaune (a la batterie de la voiture, 12V constant) et le fil rouge (à la prise accessoire).*
- *AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.*
  - **Si le câblage des enceintes de votre voiture est réalisé comme montré sur la Fig. 1 ou Fig. 2 ci-dessous,** *NE CONNECTEZ PAS l'appareil en utilisant ce câblage original d'enceintes. Si vous le faites, l'appareil sera sérieusement endommagé. Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.*
  - **Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3,** *vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.*
  - *Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consulter le concessionnaire de votre voiture.*

Connecting the leads / Conexión de los conductores / Raccordement des fils

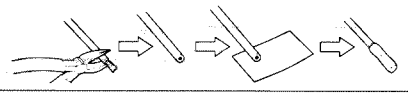
Twist the core wires when connecting.
Retuerza los alambres de alma para conectarlos.
Torsader les âmes des fils en les raccordant.



Solder the core wires to connect them securely.
Suelde los alambres de alma para conectarlos con firmeza.
Souder les âmes desfils pour les raccorder entre eux de façon sûre.

CAUTION / PRECAUCION / PRECAUTION:

- **To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.**
- **Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.**
- **Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS utilisés avec de la bande isolante**



B Connections Adding Other Equipment / Conexiones para añadir otros equipos / Raccordement pour ajouter d'autres appareils

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

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that power can be supplied through this unit.
- For amplifier only:
  - Connect this unit's line-out terminals to the amplifier's line-in terminals.
    You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat builtup inside the unit. See page 32 of the Instructions (separate volume).
  - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of the these unused leads with insulating tape, as illustrated above.)**
- For VCR or TV only:
  - Connect this unit's line-in plugs to the VCR's or TV's line-out terminals.

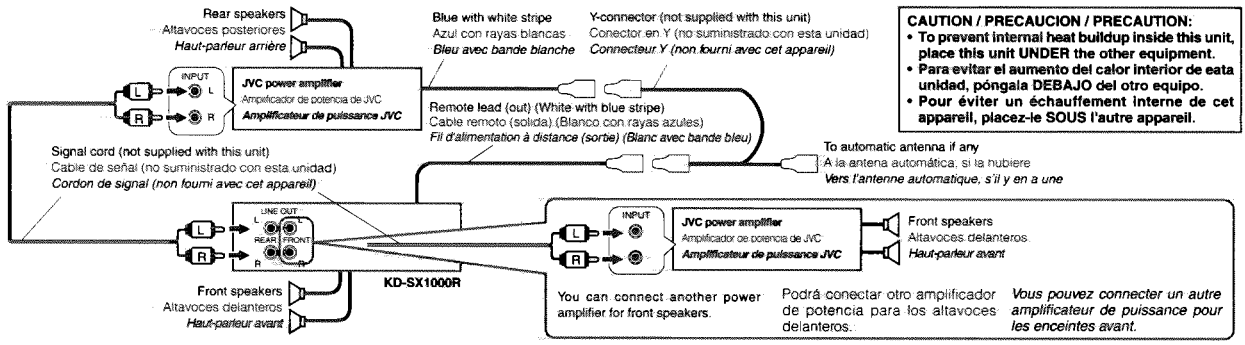
Como esta unidad cuenta con terminales de salida de línea y de entrada de línea, se podrá utilizar un amplificador y otros equipos para mejorar el sistema estéreo de su automóvil.

- Conecte el cable remoto (azul con rayas blancas) al cable remoto del otro equipo para que pueda suministrarse energía a través de esta unidad.
- Sólo para el amplificador:
  - Conecte los terminales de salida de línea de esta unidad con los terminales de entrada de línea del amplificador. Podrá desconectar el amplificador incorporado y enviar las señales de audio solamente al(los) amplificador(es) externo(s) para obtener sonidos nítidos y evitar que se caliente el interior de la unidad. Consulte la página 32 de las instrucciones (volumen separado).
  - **Desconecte los altavoces de esta unidad y conéctelos al amplificador. Los cables de los altavoces de esta unidad quedan sin usar. (Cubra los terminales de estos cables sin usar con cinta aislante, tal comose indica en la figura de arriba).**
- Para VCR o TV solamente:
  - Conecte las clavijas de entrada de línea de la unidad a los terminales de salida de línea de la VCR o del TV.

Comme cet appareil a des bornes de sortie de ligne et d'entrée de ligne, un amplificateur et d'autres appareils peuvent être utilisés pour améliorer votre chaîne stéréo automobile.

- *Connecter le fil d'alimentation à distance (bleu avec des bandes blanches) au fil d'alimentation à distance de l'autre appareil de façon qu'il puisse être alimenté par cet appareil.*
- *Pour l'amplificateur seulement:*
  - *Raccorder les bornes de sortie ligne de cet appareil aux bornes d'entrée ligne de l'amplificateur. Vous pouvez désactiver l'amplificateur intégré et envoyer les signaux audio uniquement à un ou plusieurs amplificateurs extérieurs afin d'obtenir un son clair et pour éviter un échauffement interne de l'appareil. Référez-vous à la page 32 du mode d'emploi (volume séparé).*
  - **Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés. (Recouvrir les extrémités de ces fils inutilisés avec de la bande isolante comme montré ci-dessus.)**
- *Pour le magnétoscope et le téléviseur seulement:*
  - *Connectez les fiches d'entrée de ligne de cet appareil aux prises de sortie de ligne du magnétoscope ou du téléviseur.*

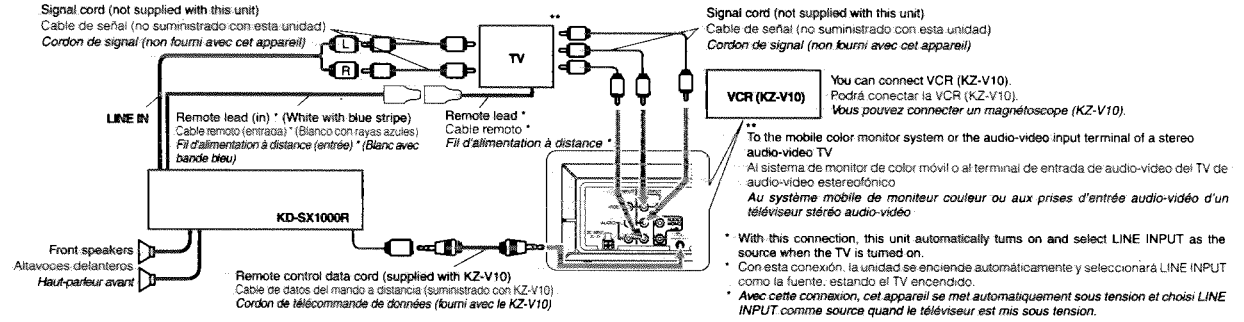
Amplifier / Amplificador / Amplificateur



CAUTION / PRECAUCION / PRECAUTION:

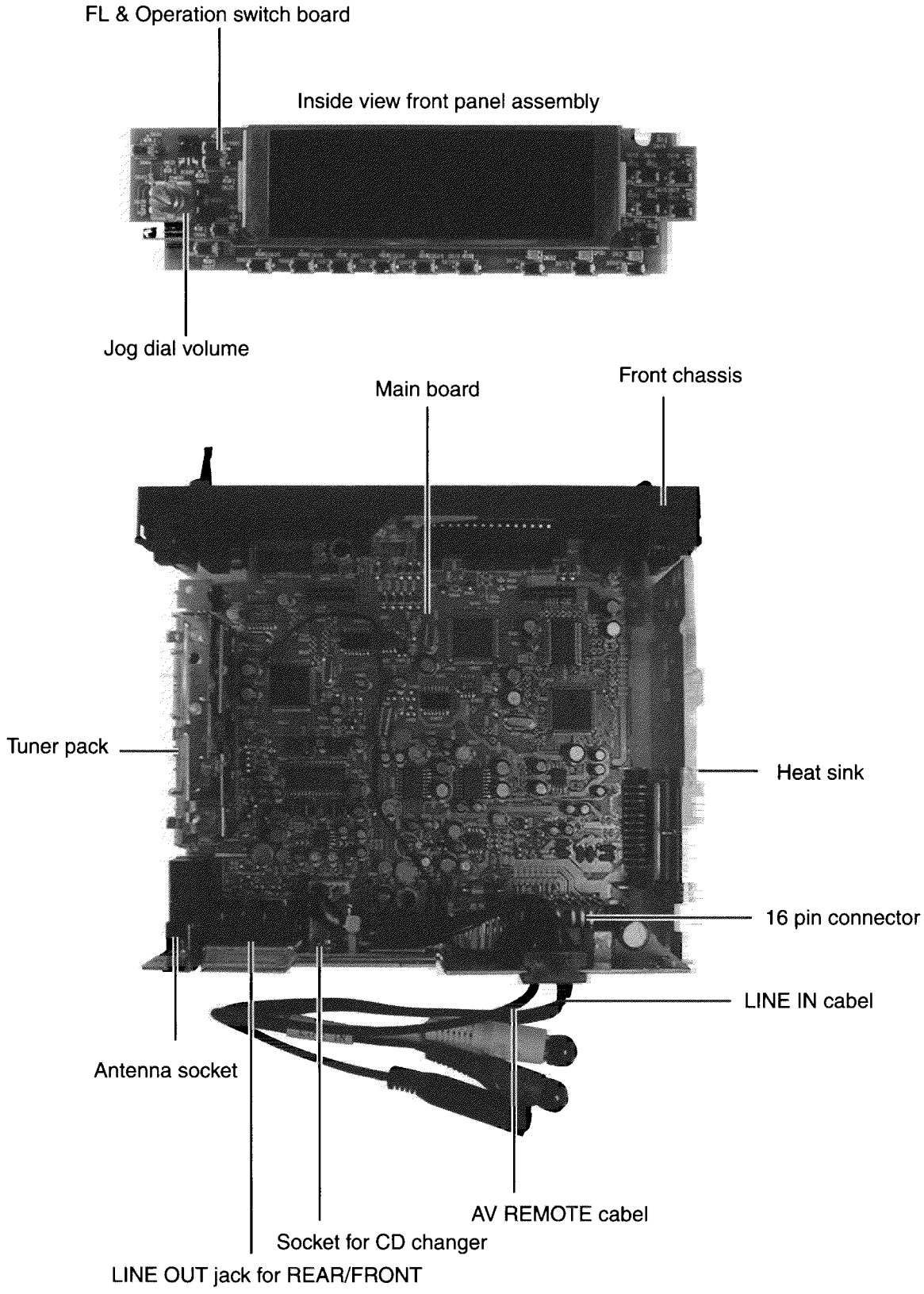
- **To prevent internal heat buildup inside this unit, place this unit UNDER the other equipment.**
- **Para evitar el aumento del calor interior de eata unidad, póngala DEBAJO del otro equipo.**
- **Pour éviter un échauffement interne de cet appareil, placez-le SOUS l'autre appareil.**

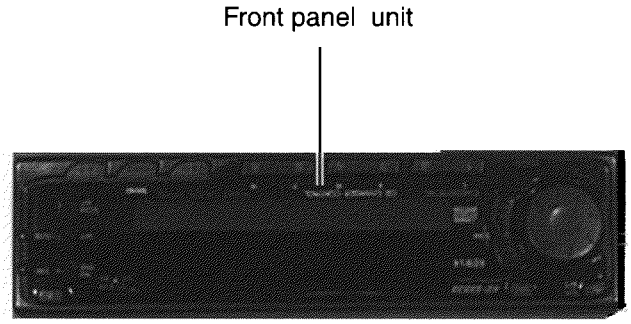
VCR or TV / VCR o TV / Magnetoscope ou Téléviseur

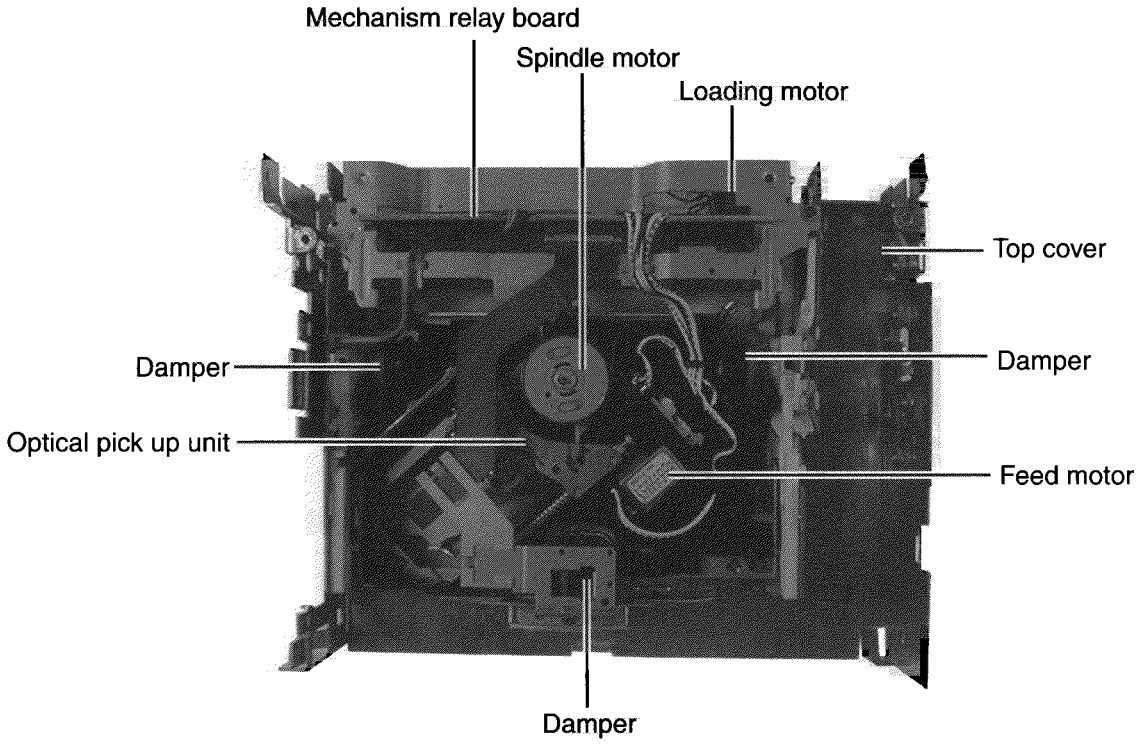


* With this connection, this unit automatically turns on and select LINE INPUT as the source when the TV is turned on.
* Con esta conexión, la unidad se enciende automáticamente y seleccionará LINE INPUT como la fuente, estando el TV encendido.
* *Avec cette connexion, cet appareil se met automatiquement sous tension et choisi LINE INPUT comme source quand le téléviseur est mis sous tension.*

Location of Main Parts




Front panel unit


Mechanism relay board
Spindle motor
Loading motor
Top cover
Damper
Damper
Optical pick up unit
Feed motor
Damper

Removal of Main Parts

■ **Removing the bottom cover** (See Fig.4)
Turn the unit upside down then insert and turn the screw driver remove the bottom cover.

■ **Detaching the front Panel Unit** (See Fig.1, 2)
1. Push the ⏏ button from the front panel unit .
2. Disengage the two engagements ⓐ and take out the front panel unit from the main unit. (See Fig.1)

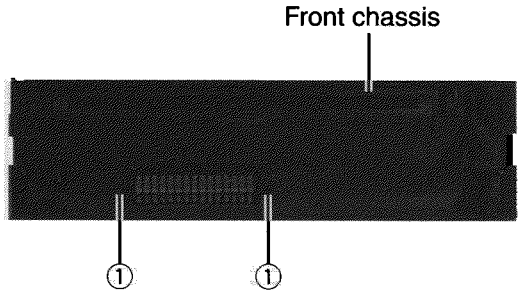


Fig.2

■ **Removing the front chassis** (See Fig.2, 3, 4)
1. Remove the two screws ① retaining the front chassis.
2. Remove two ribs ⓑ in the right side of unit and pull the front chassis fowerd to remove it.
3. Remove two ribs ⓒ in the left side of unit and pull the front chassis forward to remove it.

■ **Removing the heat sink** (See Fig.4)
1.Turn the left side unit.
2.Remove the three screws ② retaining the heat sink.

■ **Removing the bottom cover** (See Fig.4, 5, 6)
1. Turn the unit upside down.
2. Disengage the four engagements ⓓ ,ⓔ ,ⓕ , ⓖ retaining the bottom cover.

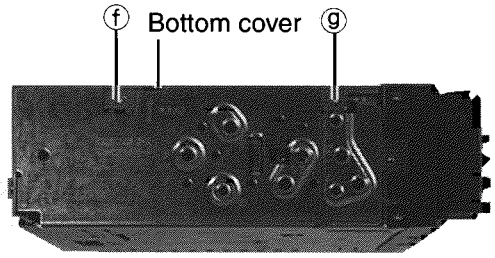


Fig.5

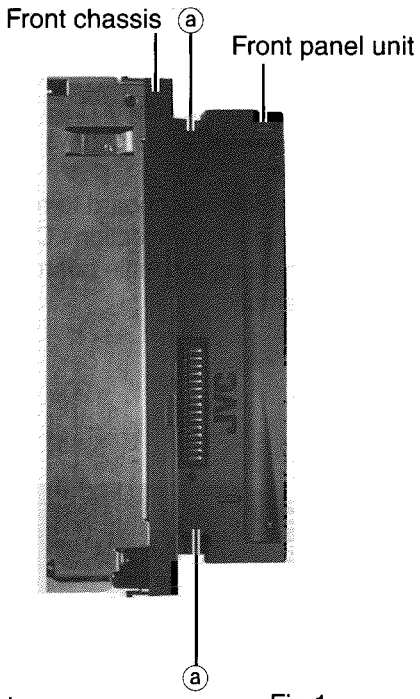


Fig.1

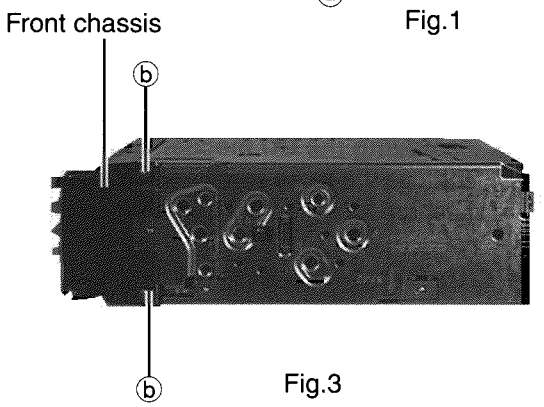


Fig.3

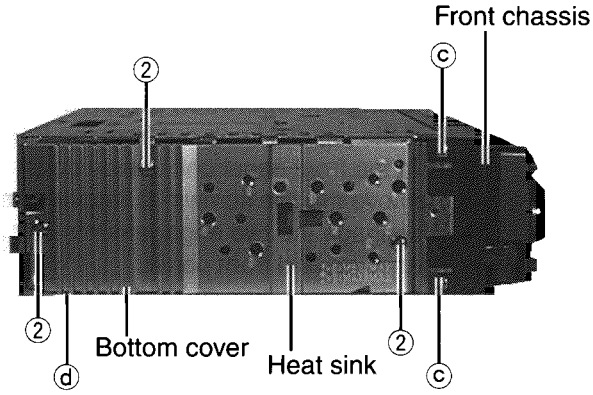


Fig.4

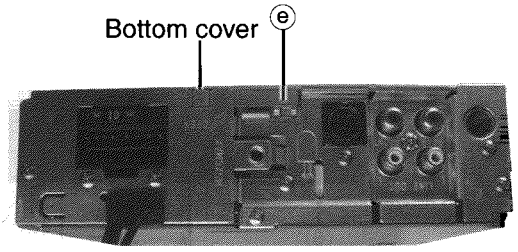


Fig.6

■ **Removing the main board assembly** (See Fig.7, 8)

1. Remove the two screws ③ retaining the main board.
2. Turn the back side unit.
3. Remove the three screws ④ retaining the rear bracket.
4. Lift up the main board to remove it, at this time remove the connections CN501 and CN502 connecting the main board and CD mechanism assembly.

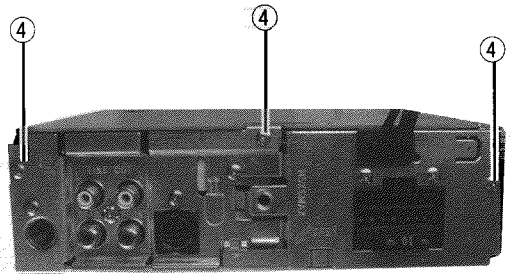


Fig.8

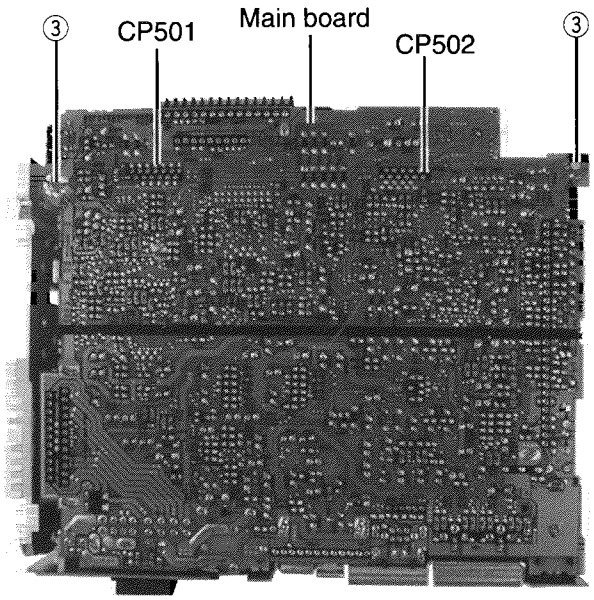


Fig.7

■ **Removing the CD mechanism assembly** (See Fig.9)

Remove the three screws ⑤ retaining the CD mechanism assembly from the top cover.

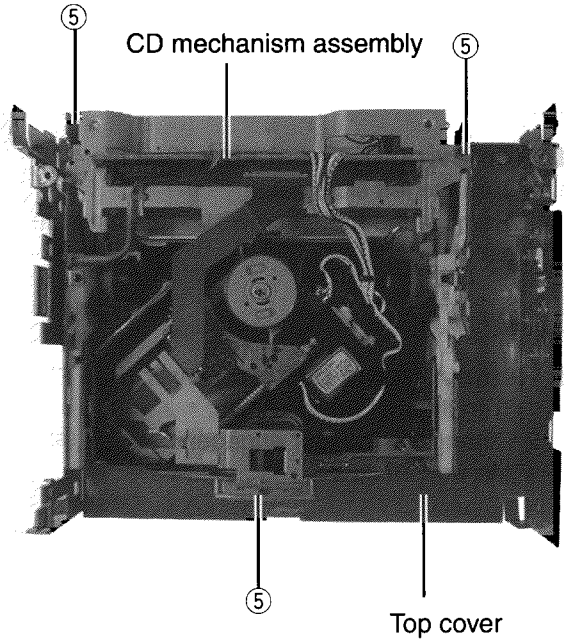


Fig.9

■ **Removing the operation switch board** (See Fig.10, 11)

1. Pull the jog dial knob out from the front panel.
2. Turn the front panel unit upside down then.
3. Remove the five screws ⑥ retaining the rear cover.
4. Disengage the two engagements ⓗ between rear cover and front panel.
5. Take the operation switch board off on the front Panel.

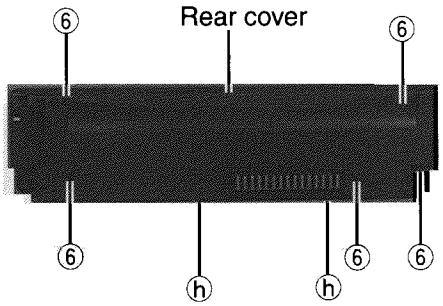


Fig.10

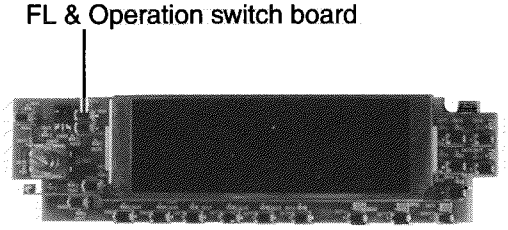


Fig.11

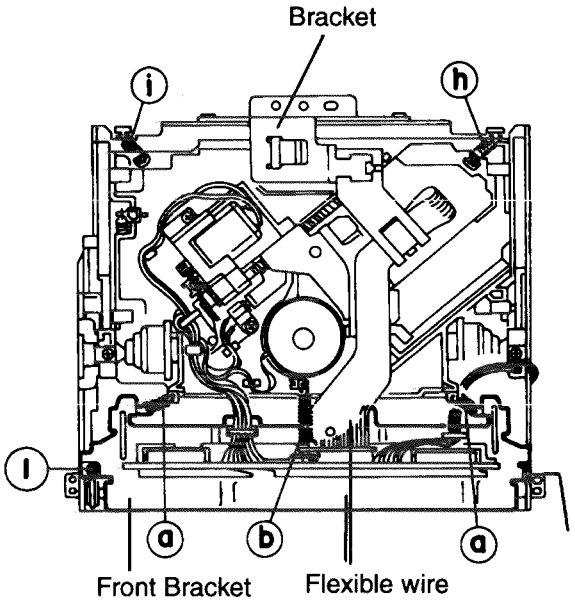


Fig.10

[CD Mechanism Section]

■ Removing the CD mechanism control P.C.board

1. Remove the CD mechanism assembly (See "Removlng the CD mechanism assembly").
2. Remove the three springs ⓐ and ⓑ from behind the CD mechanism assembly(See Fing.10).
3. Disc connect the flexible wire connected to the connector on the CD mechanism control P.C.board (See Fig.10).
4. Remove the one screw ② retaining the CD mechanism control P.C.board(See Fig. 11).
5. After disengaging the engagement between the notch section and frame,remove the CD mechanism Control P.C .board successively from ① through to ③ in the arrow direction as shown in Fig. 11.

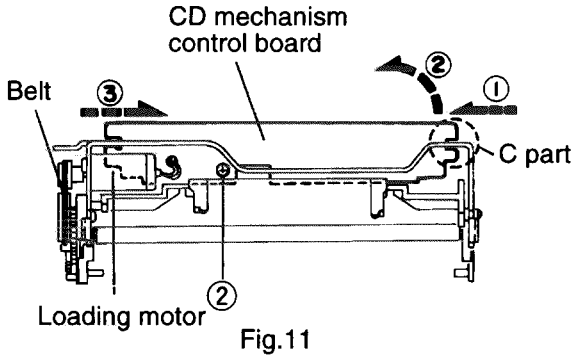


Fig.11

CAUTION:Whenever the flexible wire is disconnected, be sure to remove the soldering in advance as shown in Fig.12. Otherwise , the CD mechanism assembly can possibly be damaged.

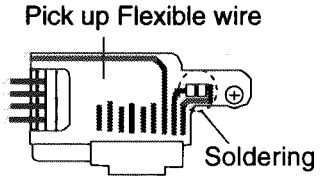


Fig.12

6. Remove the two screws ① retaining the front bracket for fixing the CD mechanism control P. C. board(See Fig.10).

CAUTION:Remove the front bracket from the frame while expanding both sides of the frame as shown in Fig.14

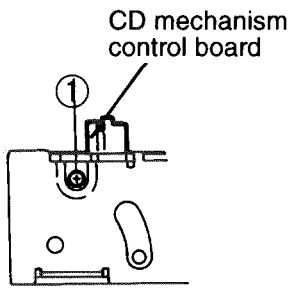


Fig.13

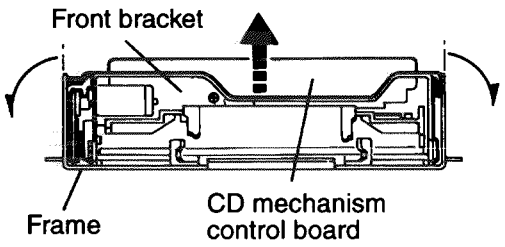


Fig.14

■ Removing the loading motor

1.Remove the belt from the loading motor (See FIg.14 and Fig.15)
2.Remove the one screw ③ retaining the loading motor(See Fig.15)

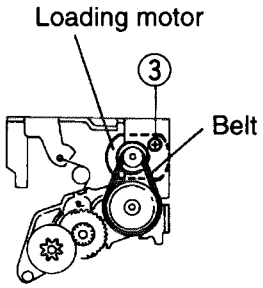


Fig.15

■ Removing the CD mechanism assembly

1.Remove the two screws ④ retaining the bracket for fixing the damper(See Fig.16)
2.Whne shining the fix places on the right and left Sides respectively to the arrow direction, lower the entire CD mechanism. When the shafts(ⓓ ,ⓔ ,ⓕ and ⓖ) on both the right and left sides have been set free as shown in Fig.17 and Fig.18,then the assembly can be removed easily.Remove the two screws ⑤ retaining the rear damper bracket to make it easier to remove the damper from the rear damper bracket(See Fig.10, Fig.17 and Fig.18).
3.Remove the two springs ⓗ and ⓘ as shown in Fig.10 and Fig 16.
4.While removing the right and left sides of the rear damper brackets and dampers While expanding both sides of the CD mechanism,disassmble the entire CD mechanism.

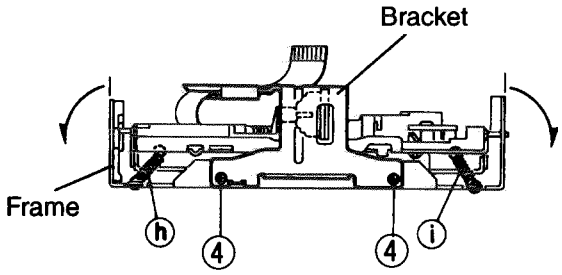


Fig.16

Fix plate

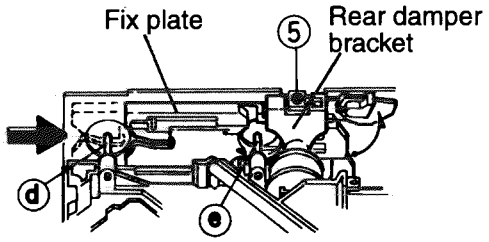


Fig.17

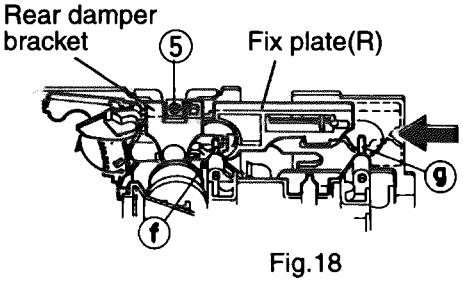


Fig.18

5.While tuning the pickup gear in the arrow direction as shown in Fig.20, shift the entire pickup unit.
6.Remove the three screws ⑥ retaining the feed motor assembly and take out this motor assembly (See Fig.19).
7.While pressing and expanding the spring section holding the FD screw in the arrow direction,remove the FD screw and dismount the pickup unit(See Fig.21).
8.By removing the two screw ⑦ retaining the pickup unit,dismount the nut push spring plate and pickup mount nut (See Fig.22).
9.Remove the FD screw from the pickup unit (See Fig.22).

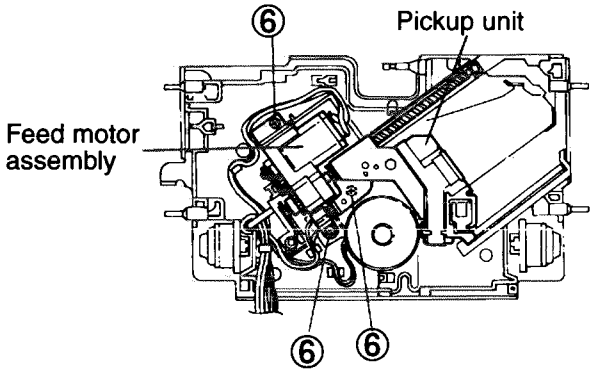


Fig.19

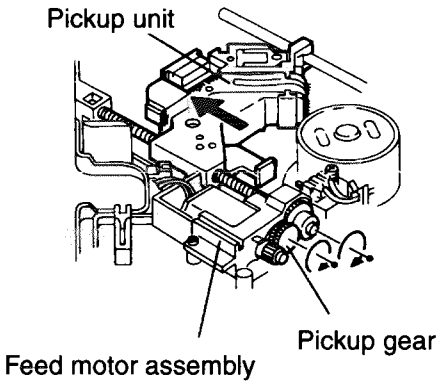


Fig.20

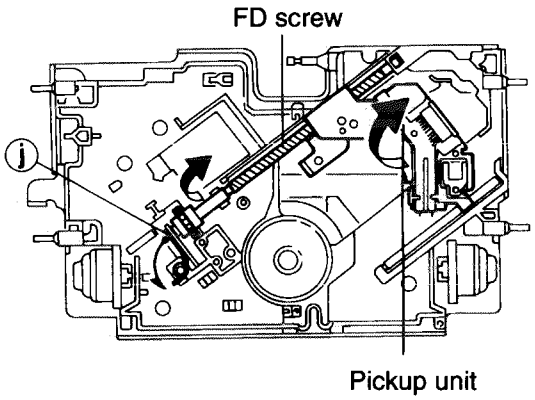


Fig.21

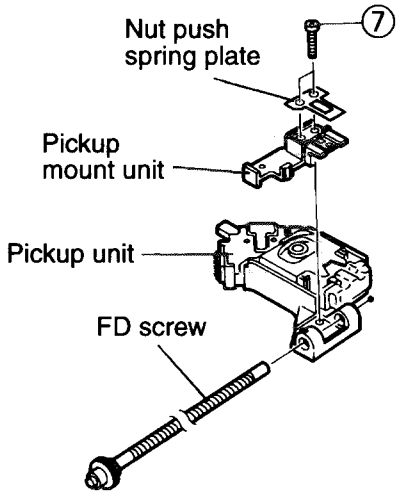


Fig.22

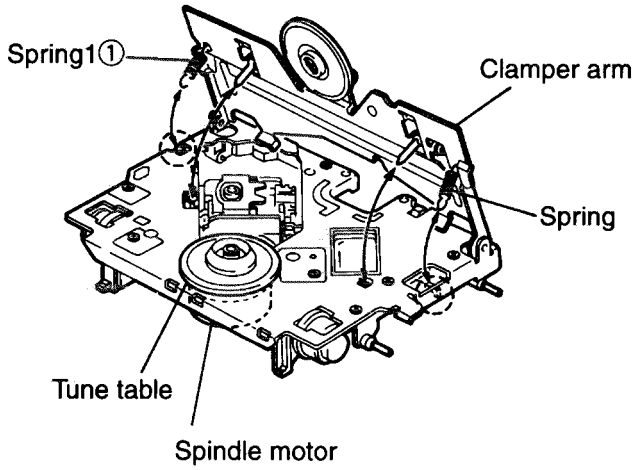


Fig.23

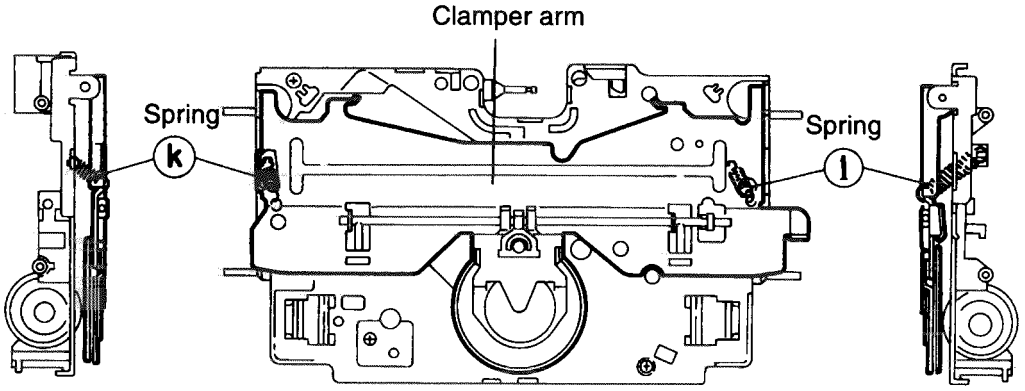


Fig.24-a Fig.24 Fig.24-b

■ Removing the spindle motor

1. After turning back the CD mechanism to initial positlon,remove the two sparrings ⓚ and ⓘ on both the right and left sides of the clamper arm(See Fig.23 and Fig.24).
2. While turning the turntable,remove the two screws ⑧ retaining the spindle motor and take out the spindle motor (See Fig.25).

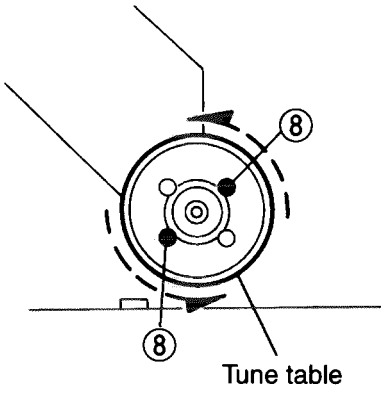


Fig.25

Main Adjustment

■ TestInstrumentsreqiredforadjustment
1. Digital osc cosilloscope (100MHz)
2. AM Standard signal generater
3. FM Standard sl9nal generaler
4. Stereo modulator
5. Electric voltmeter
6. Digital tester
7. Tracking offset meter
8. Test Disc JVC :CTS1000
9. Extension cable for check
   EXTGS003-14P × 2

■ Standard volume position
Balance and Bass &Treble volume : Indication"0"
Loudness : 0ff

Setting of reference frequency of SSG
AM mode: 600kHZ/62dB-INT/400Hz,30% modulation
Signal on
FM mode: 97.9MHZ/66dB/INT/400Hz/22.5kHz deviation
pilot 7.5kHz dev.

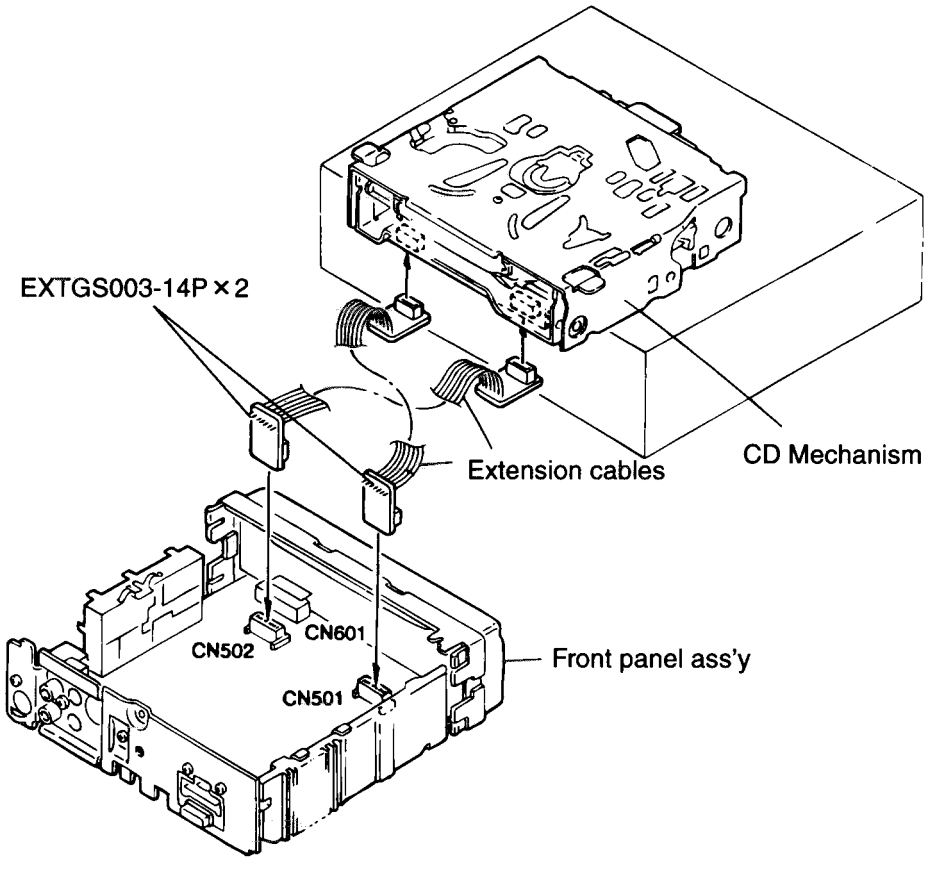
Dummy load

Exclusive dummy load should be used for AM,and FM. For FM dummy load,there is a loss of 6dB between SSG output and antenna input.The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

■ Standard measuring conditions

Power supply voltage	DC14.4V(10.5~16V)
Load impedance	4Ω (2 Speakers connection)
Line out	20kΩ

■ How to connect the extension cable for adjusting



Flow of Functional Operation Until TOC Read

Power ON → Power Key → Slider turns REST SW ON.

Check Point: Check that the voltage at the pin11 of CN502 is 0V (a moment)?

Automatic tuning of TE offset

Laser ON → Check that the voltage at the pin3 of IC501 is + 5V?

Detection of disc

Automatic tuning of Focus offset

Automatic measurement of Focus A-curve amplitude → Confirm that the Focus error S-curve signal at the pin27 of IC501 is approx.2Vp-p

Disc is rotated → Confirm that the signal from pin24 IC561 is 0V as a accelerated pulse during approx.400ms.

Focus servo ON (Tracking servo ON)

Automatic measurement of Tracking error amplitude → Confirm the waveform of the Tracking error signal at the pin25 of IC501 (See fig-1)

Automatic tuning of Tracking error balance

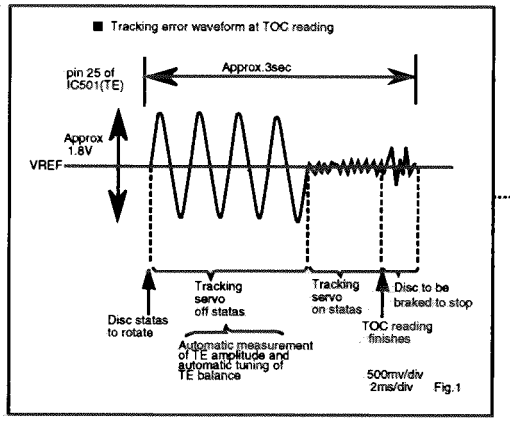
Automatic tuning of Focus error balance

Automatic tuning of Focus error gain

Automatic tuning of Tracking error gain

TOC reading → Confirm the eys-pattern at the lead of TP1(ARF)

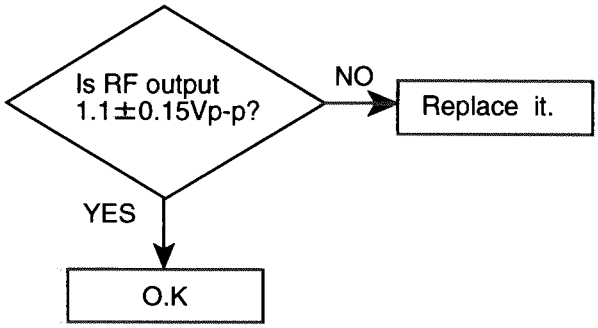
Play a disc



Maintenance of Laser Pickup

(1) Cleaning the pick up lens
Befor you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

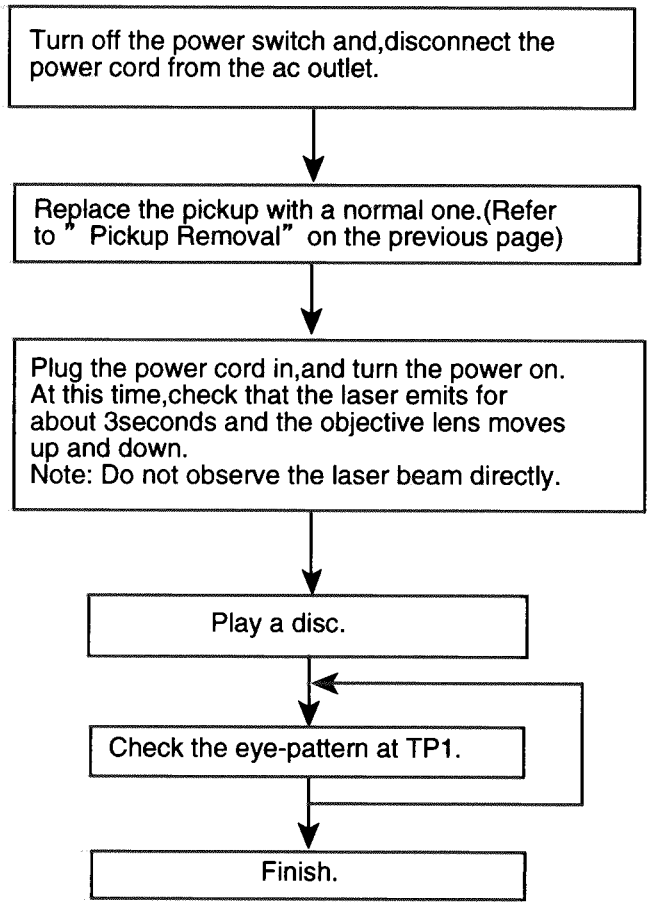
(2) Life of the laser diode (Fig.1)
When the life of the laser diode has expired, the following symptoms wil appear.
(1) The level of RF output (EFM output:amplitude of eye pattern) will be low.



(Fig.1)

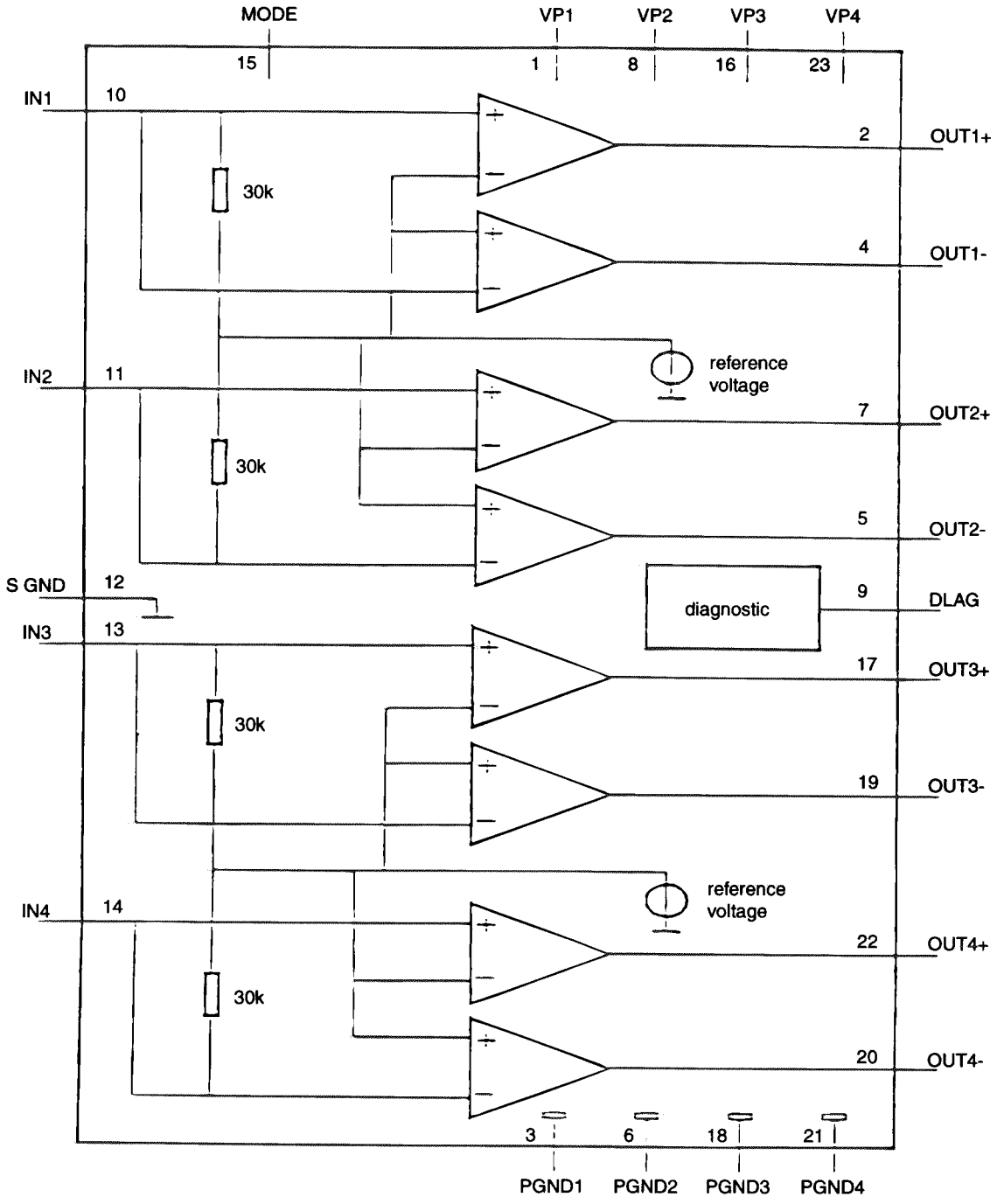
(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power.Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value,the laser diode is almost worn out, and the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while the pickup is functioning normally,the laser pickup may be damaged due to excessive current.

Replacement of Laser Pickup



Description of Main ICs

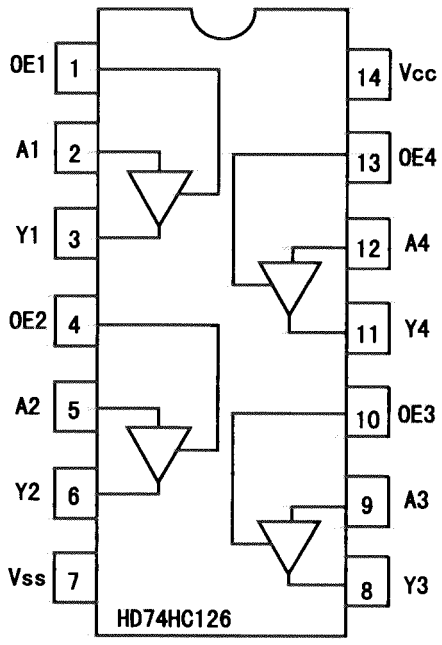
■ IC941: TDA8568Q (POWER AMPLIFIER)



■ **IC941 : TDA8568Q (POWER AMPLIFIER)**

Pin No.	Port Name	I/O	Descriptions
1	VP1		Supply voltage 1
2	OUT+		Output 1+
3	PGND1		Power ground 1
4	OUT1-		Output 1-
5	OUT2-		Output 2-
6	PGND2		Power ground 2
7	OUT2+		Output 2+
8	VP2		Supply voltage 2
9	DIAG		Diagnostic output
10	IN1		Input 1
11	IN2		Input 2
12	SGND		Signal ground
13	IN3		Input 3
14	IN4		Input 4
15	MODE		mode select switch (Stand-by / mute / operating)
16	VP3		Supply voltage 3
17	OUT3+		Output 3+
18	PGND3		Power ground 3
19	OUT3-		Output 3-
20	OUT4-		Output 4-
21	PGND4		Power ground 4
22	OUT4+		Output 4+
23	VP4		Supply voltage 4

■ **HD74HC126FP-X(IC751):Changer Control**



■ IC701 : UPD178018AGC-513 (MAIN SYSTEM CONTROL CPU)

Pin No.	Name of terminal	I/O	Active	Explanation
1	KEY1	I		Test Key Input 1
2	KEY2	I		Test Key Input 2
3	KEY3	I		Test Key Input 3
4	LEVEL	I		Level Meter A/D Input Terminal
5	SQ	I		RDS SQ Signal Input
6	SM	I		S Meter (Electric field strength) Input Terminal
7	NC	O		NON CONNECT
8	LCD. DA	O		LCD Data Output Terminal
9	LCD. SCK	O		LCD Driver Clock Output
10	LCD. CE	O	H	LCD Driver Chip Enable Signal Output
11	BUS. I/O	O		J-Bus Input/Output Switch Signal Output Output: H Input: L
12	BUS. SI	I		J-Bus Serial Data Input
13	BUS. SO1	O		J-Bus Serial Data Output
14	BUS. SCK	I/O		J-Bus Serial Clock Input/Output
15	LCD. CONTRAST	O		Dot Matrix Contrast
16	LCD. RESET	O	L	LCD Reset Signal
17	DIMMER. OUT	O	H	External Dimmer Control Output
18	ENCD-1	I		Rotary Volume Signal A Input
19	ENCD-2	I		Rotary Volume Signal B Input
20	TEL MUTE	I	L/H	TEL MUTE Input
21	GNDPORT	—	—	(Connect to GND)
22	VDDPORT	—	—	(Connect to VDD)
23	DIMMER. IN	I	L	External Dimmer Control Input
24	TV IN	I	L	CONT + B Input
25	DETACH	I	H	Panel Detach Detection Switch
26	NC	I		NON CONNECT
27	NC	I		NON CONNECT
28	CRUISE	I		Audio Cruise Pulse Detection Terminal
29	IF COUNT	I	—	AM IF Count Signal Input
30	VDDPLL		—	(Connect to VDD)
31	OSC_IN	I	—	FM/AM Transmission Signal Input
32	NC	I		(Not Available)
33	GNDPLL		—	(Connect to GND)
34	AM ERROR OUT	O	—	PLL Error Signal Output during AM
35	FM ERROR OUT	O	—	PLL Error Signal Output during FM
36	(Not used)	O	—	(Connect to GND)
37	CD_MUTE_IN	I	L	Mechanism Unit Mute Input
38	SEEK/STOP IFRQ	O	H	IF Count Request Output
39	SD/STEREO	I	H/L	Station Search Input/FM Stereo Input
40	LOCAL	O		40 Local ON/OFF Switch output ON: H
41	NC	O		NON CONNECT
42	MONO	O	H	FM Monaural Control Output
43	NC	O		NON CONNECT
44	LCD POWER	O		LCD Driver Power Control (Operating simultaneously with Acc)
45	CD RESET	O		Mechanical Microprocessor Reset Signal Output
46	INLOCK	O	H	Tuner Lock Detection Output
47	FM/AM	O	L=FM	Tuner Receiving Band switching Signal Output (O.D.)
48	I2C DATA IN	I		Electronic Volume Data Input
49	I2C DATA OUT	O		Electronic Volume Data Output
50	I2C SCK	O		Electronic Volume Clock Output
51	AMP_CONT	O		Power Amplifier Control Output (H: OFF)
52	NC	O	H	NON CONNECT
53	NC	O		NON CONNECT
54	J/E. SW	I		Destination Setup Port H: E, L: J
55	NC	O		NON CONNECT

■ IC701 : UPD178018AGC-513 (MAIN SYSTEM CONTROL CPU)

Pin No.	Name of terminal	I/O	Active	Explanation
56	NC	O	H=AM	NON CONNECT
57	RDS DATA	I		RDS Data Signal
58	OPEN. SW	I		Face Open Detection Switch (Open H)
59	BUZZER	O		Touch Tone Output (1.5k, 3k)
60	AF CHECK	O	L	RDS AFCK Signal Output
61	NC	O	H	NON CONNECT
62	POWER	O	H	Power IC Control Signal Output
63	MUTE	O	H	Mute Signal Control Output
64	AV REMOCON OUT	O		Remote Control Data Output for AV Control
65	NC	O		NON CONNECT
66	MECHA. ON	O	L	Mechanical Power Control Signal Output
67	REMOCON	I	↓	Optical Remote Control Signal Input
68	BUS. INT	I	↑	J-BUS Interrupt Signal Input
69	P.REQ	I	↑	Mechanical Power Startup Request Signal Input
70	NC	I	↓	NON CONNECT
71	RDS SCK	I		RDS Clock Signal Input
72	P. SAVE1	I	↑	Power Save 1 (ACC) Detection
73	P. SAVE2	I	↑	Power Save 2 (BATTERY)Detection
74	REGCPU	—	——	CPU Power Regulator (0.1uF via GND)
75	GND	—	——	GND Terminal
76	XOUT	I	——	Quartz Oscillator Connection (Output)
77	XIN	I	——	Quartz Oscillator Connection Terminal (Input)
78	REGOSC	—	——	Oscillation Circuit Regulator (0.1uF via GND)
79	VDD	—	——	AC Power Terminal
80	RESET	I	L	Main Microprocessor Reset Input

■ IC801 : UPD78058YCC (SUB SYSTEM CONTROL CPU)

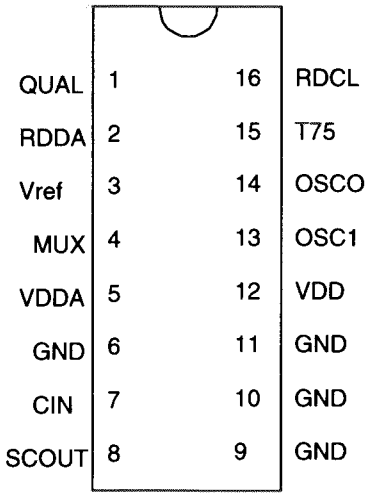
Pin No.	Nama of terminal	I/O	Active	Explanation
1	Not used	O (L)	-	Software can be pulled up when connecting to input port.
2	Not used	O (L)	-	Software can be pulled up when connecting to input port.
3	Not used	O (L)	-	Software can be pulled up when connecting to input port.
4	GND potential of A/D and D/A converters	-	-	Connecting to V_{SS}.
5	Not used	O (L)	-	When it is not connected, it needs to be pulled down individually.
6	Not used	O (L)	-	When it is not connected, it needs to be pulled down individually.
7	Standard voltage input for D/A converter	-	-	Not connected. Connect to V_{DD}.
8	J-BUS SI	I	-	Serial interface channel 2
9	J-BUS SO	O	-	Serial interface channel 2
10	J-BUS SCK	O	-	Serial interface channel 2
11	STAT	I	-	Serial interface channel 1
12	MDATA	O	-	Serial interface channel 1
13	MCLK	O	-	Serial interface channel 1
14	LSI RESET	O	L	Serial interface channel 1
15	MLD	O	L	Serial interface channel 1
16	Not used	I	-	Serial interface channel 0 (I^2C selectable)
17	12CDATA	O	-	Serial interface channel 0 (I^2C selectable)
18	12CCLK	O	-	Serial interface channel 0 (I^2C selectable)
19	SENCE	I	-	Software can be pulled up when connecting to input port.
20	Not used	I	-	Software can be pulled up when connecting to input port.

■ IC801 : UPD78058YCC (SUB SYSTEM CONTROL CPU)

Pin No.	Name of terminal	I/O	Active	Explanation
21	F LOCK	I	L	Software can be pulled up when connecting to input port.
22	T LOCK	I	L	Software can be pulled up when connecting to input port.
23	SW2	I	-	Software can be pulled up when connecting to input port.
24	SW3	I	L	Software can be pulled up when connecting to input port.
25	SW4	I	-	Software can be pulled up when connecting to input port.
26	REST SW	I	L	Software can be pulled up when connecting to input port.
27	LCD SO	O	-	LED can be driven directly. Software can be pulled up when connecting to input port.
28	LCD SCK	O	-	LED can be driven directly. Software can be pulled up when connecting to input port.
29	MUTE	O	L	LED can be driven directly. Software can be pulled up when connecting to input port.
30	LM0	O	H	LED can be driven directly. Software can be pulled up when connecting to input port.
31	LM1	O	H	LED can be driven directly. Software can be pulled up when connecting to input port.
32	12cm SEL	I	H	LED can be driven directly. Software can be pulled up when connecting to input port.
33	GND	-	-	Power source grounding
34	Not used	O (L)	-	LED can be driven directly. Software can be pulled up when connecting to input port.
35	Not used	O (L)	-	LED can be driven directly. Software can be pulled up when connecting to input port.
36	Not used	O (L)	-	N-ch open drain output, Pull up mask option
37	Not used	O (L)	-	N-ch open drain output, Pull up mask option
38	Not used	O (L)	-	N-ch open drain output, Pull up mask option
39	Not used	O (L)	-	N-ch open drain output, Pull up mask option
40	POWER REQUEST	O	H	Software can be pulled up when connecting to input port.
41	CD ON	O	H	Software can be pulled up when connecting to input port.
42	I/O SEL	O	H:Transmitting	Software can be pulled up when connecting to input port.
43	LCD CE	O	H	Software can be pulled up when connecting to input port.
44	Not used	O (L)	-	16-bit timer output
45	Not used	O (L)	-	8-bit timer output
46	Not used	O (L)	-	8-bit timer output
47	Not used	O (L)	-	External count clock input to a 8-bit timer
48	Not used	O (L)	-	External count clock input to a 8-bit timer
49	Not used	O (L)	-	System clock output
50	Not used	O (L)	-	Buzzer output
51	Not used	O (L)	-	Software can be pulled up when connecting to input port.
52	Not used	O (L)	-	Real time output port
53	Not used	O (L)	-	Real time output port
54	Not used	O (L)	-	Real time output port
55	Not used	O (L)	-	Real time output port
56	Not used	O (L)	-	Real time output port
57	Not used	O (L)	-	Real time output port
58	Not used	O (L)	-	Real time output port
59	Not used	O (L)	-	Real time output port
60	RESET	I	L	System reset input
61	BLKCK	I	H→L	External interrupt request input
62	J-BUS INT	I	L→H	External interrupt request input
63	SW1	I	L→H	External interrupt request input
64	POWER	I	L	External interrupt request input
65	MEMORY DET	I	H	External interrupt request input
66	Not used	O (L)	-	External interrupt request input
67	Not used	O (L)	-	External interrupt request input
68	V_{DD}	-	-	Power supply
69	x Oscillator connecting terminal for main system clock	-	-	Connecting 4.19 MHz quartz oscillator
70	xOscillator connecting terminal for main system clock	-	-	Connecting 4.19 MHz quartz oscillator
71	x Internal connection	-	-	Connecting to V_{SS}.
72	x Oscillator connecting terminal for sub system clock	-	-	Open
73	x Oscillator connecting terminal for sub system clock	-	-	Connecting to V_{SS}.
74	Analog power source for A/D converter	-	-	Connecting to V_{DD}.
75	Standard voltage input for A/D converter	-	-	Connecting to SW +5 V (Note that 0.4 mA flows during power save mode.)
76	KEY INPUT1	I/O	-	Software can be pulled up when connecting to input port.
77	KEY INPUT2	I/O	-	Software can be pulled up when connecting to input port.
78	KEY INPUT3	I/O	-	Software can be pulled up when connecting to input port.
79	KEY INPUT ENABLE	I	L: INPUT ENABLE	Software can be pulled up when connecting to input port.
80	Not used	O (L)	-	Software can be pulled up when connecting to input port.

■SAA6579T(IC761):RDS Detector

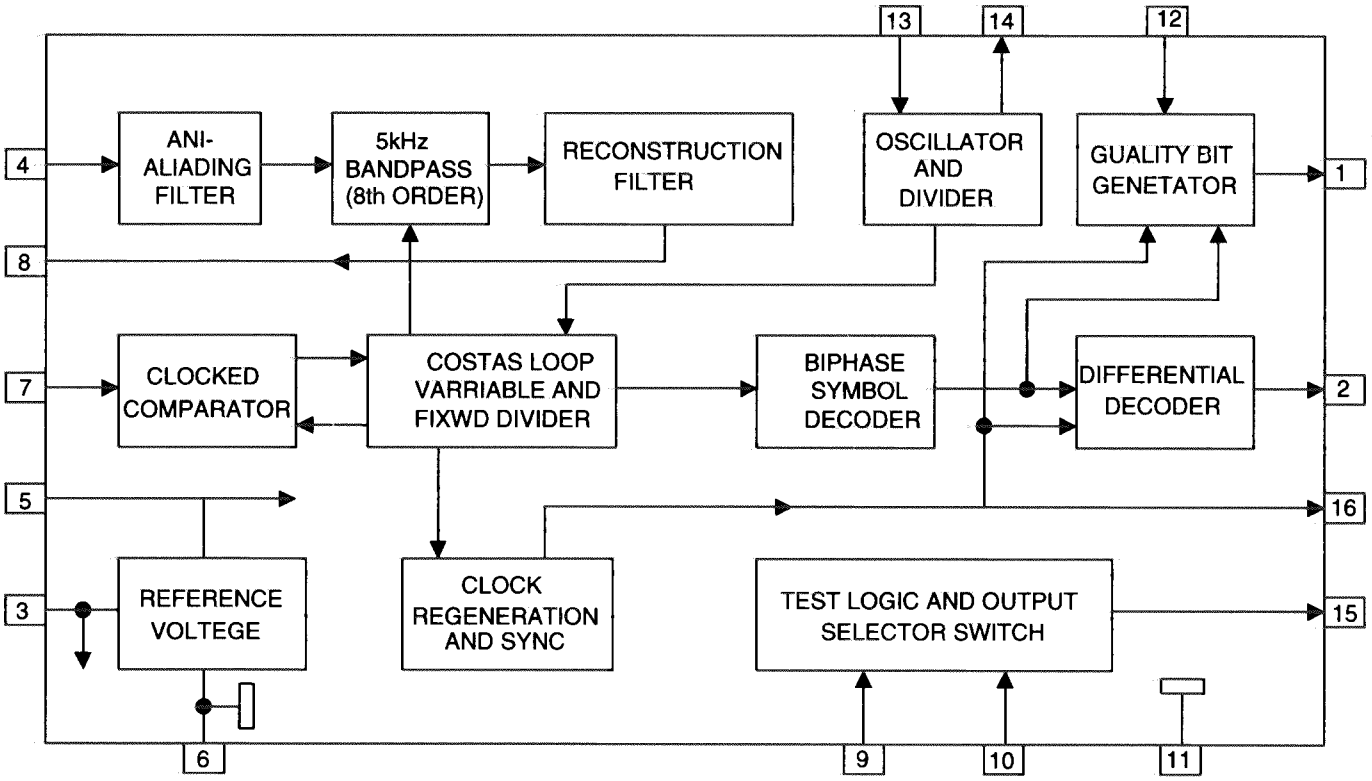
1.Terminal Layout



2.Pin Functiont

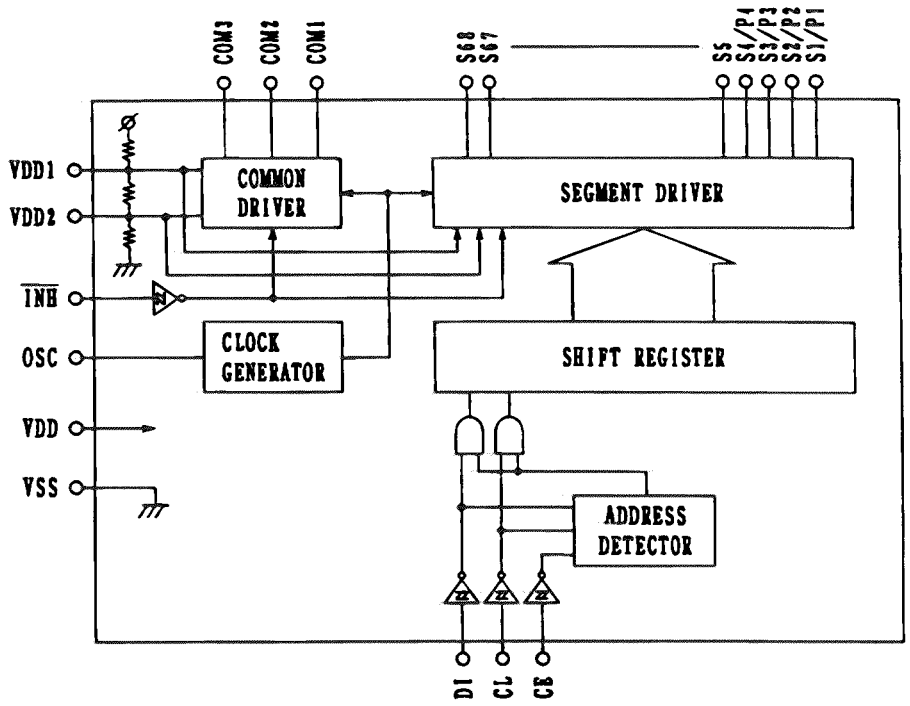
Pin No.	Symbol	I/O	Function
1	QUAL	--	Non connection
2	RDDA	O	RDS data output
3	Vref	O	Reference voltage output
4	MUX	I	Multiplex signal input
5	VDDA	--	+5Vsupply voltage for analog
6	GND	--	Ground for analog part(0V)
7	CIN	I	Subcarrier outputof reconstruction filter
8	SCOUT	O	Ground for digital part(0V)
9	GND	--	Ground for digital part(0V)
10	GND	--	Ground for digital part(0V)
11	GND	--	Ground for digital part(0V)
12	VDD	--	+5Vsupply voltage fordigital part
13	OSC1	I	Oscilator input
14	OSCO	O	Oscilator OUTput
15	T57	--	Non connection
16	RDCL	O	RDS clock output

3.Block Diagram



■ IC601:LC75873NE (LCD Driver)

1.Block Diagram

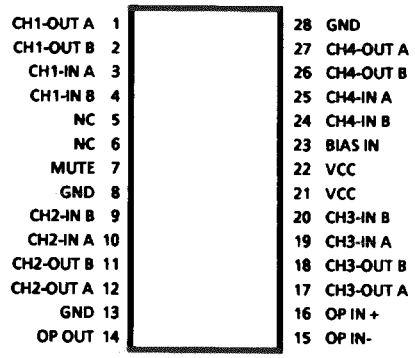


2.Pin Functions

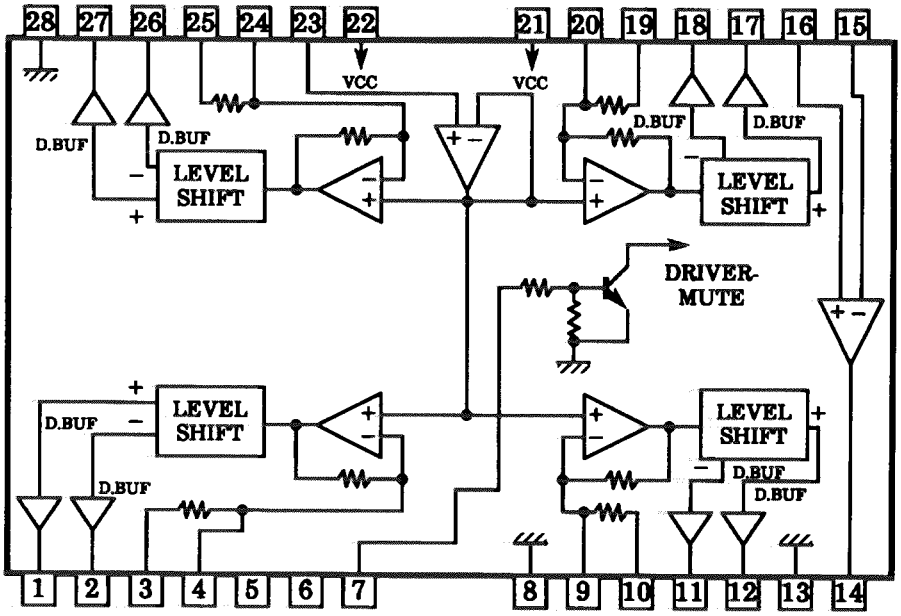
Pin No.	Symbol	I/O	Description
1~67	S1~S67	O	Segment Output.
68	NC	-	Non connect.
69~70	COM1~3	O	Common Driver Output.
72	VDD	-	Power Supply Connection.
73	VDD1	I	Used for applying the LCD drive 2/3 bias voltage externally. Must be connected to VDD2 when a 1/2 bias drive scheme in used.
74	VDD2	I	Used for applying the LCD drive 1/3 bias voltage externally. Must be connected to VDD1 when a 1/2 bias drive scheme in used.
75	VSS	-	Power supply connection.
76	OSC	I/O	Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor to this pin.
77	$\overline{INH}$	I	Display off control input.
78	CE	I	Chip enable input.
79	CLOCK	I	Synchronization clock input.
80	DATA	I	Serial data input.

■ BA6898(IC561) :BTL DRIVER

1. Terminal Layout



2. Block Diagram



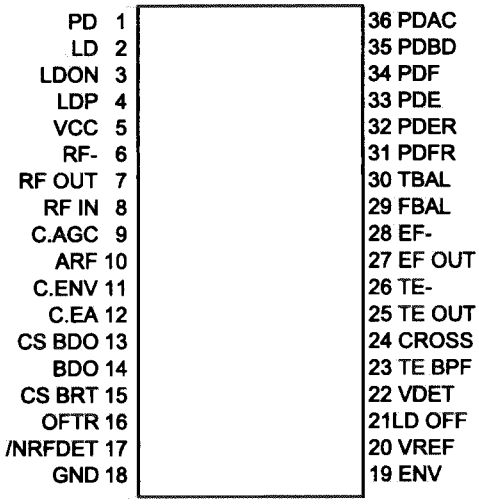
3.Description

Pin No.	Symbol	I/O	Description
1 2	CH1-OUT A CH1-OUT B	O	Focus drive output
3	CH1-IN A	I	Focus drive input
4 5,6 10 19 24	CH1-IN B NC CH2-IN A CH3-IN A CH4-IN B	—	Non connection
7	MUTE	I	Mute signal input pin
9 20	CH2-IN B CH3-IN B	I I	Spindle motor drive input Feed motor drive input
25	CH4-IN A	I	Tracking drive input

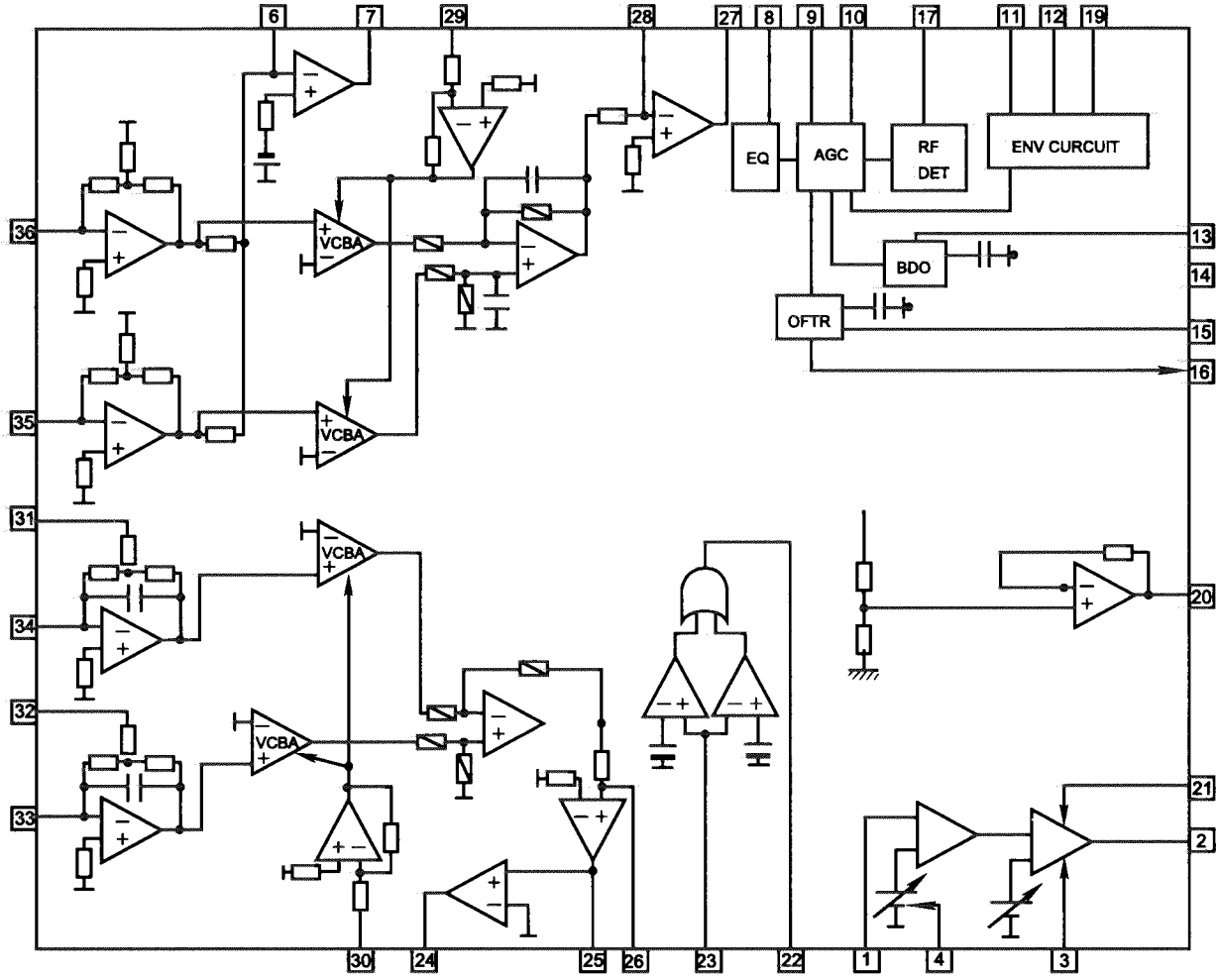
Pin No.	Symbol	I/O	Description
8,13,28	GND	—	GND
11 12	CH2-OUT B CH2-OUT A	O	Spindle motor drive output
14	OP OUT	O	OP amp output
15,16	OP IN	I	OP amp input
17 18	CH3-OUT A CH3-OUT B	O	Feed motor drive output
21,22	Vcc	—	Power supply
23	BIAS IN	I	Input pin of Bias
26 27	CH4-OUT B CH4-OUT A	O	Tracking drive output

■ IC501 : AN8806SB (RF&SERVO AMPLIFIER)

1.Terminal Layout



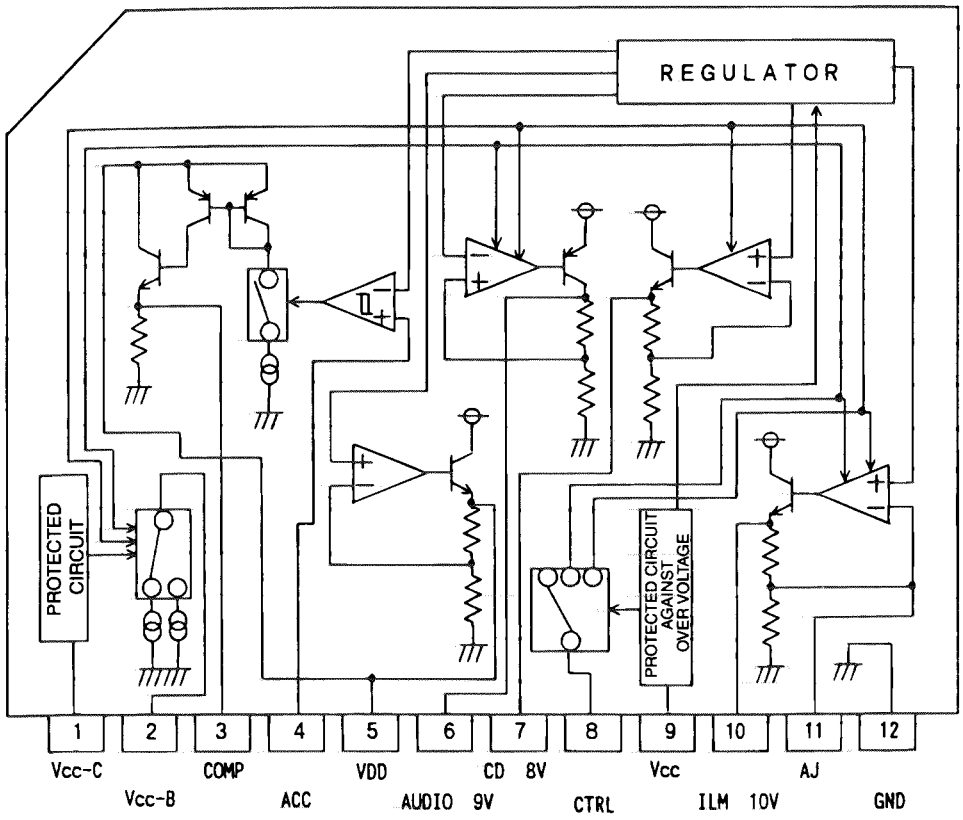
2.Block Diagram



3. Functions

Pin No.	Symbol	I/O	Functions and operations
1	PD	I	APC amp input terminal
2	LD	O	APC amp output terminal
3	LD ON	I	APC ON/OFF control terminal
4	LDP	--	Connect to ground
5	VCC	--	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RFamp output
8	RF IN	I	RF input
9	C.AGC	I/O	Connecting pin of AGC loop filter
10	ARF	O	RF output
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of RF signal
14	BDO	O	BDO output pin
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of RF signal
16	OFTR	O	Of-track status signal output
17	/NRFDET	O	RF detection signal output
18	GND	--	Ground
19	ENV	O	Envelope output
20	VREF	O	Reference voltage output
21	LD OFF	--	Connect to ground
22	VDET	O	Vibration detection signal output
23	TE BPF	I	Input pin of tracking error through BPF
24	CROSS	O	Tracking error cross output
25	TE OUT	O	Tracking error signal output
26	TE-	I	Inverse input pin for tracking error amp
27	FE OUT	O	Output pin of focus error
28	FE-	I	Inverse input pin for focus error amp
29	FBAL	I	Focus balance control
30	TBAL	I	Tracking balance control
31	PDFR	I/O	F I-V amp gain control
32	PDER	I/O	E I-V amp gain control
33	PDF	I	I-V amp input
34	PDE	I	I-V amp input
35	PD BD	I	I-V amp input
36	PD AC	I	I-V amp input

■ IC961 : BA4901A-V3 (REGULATOR)

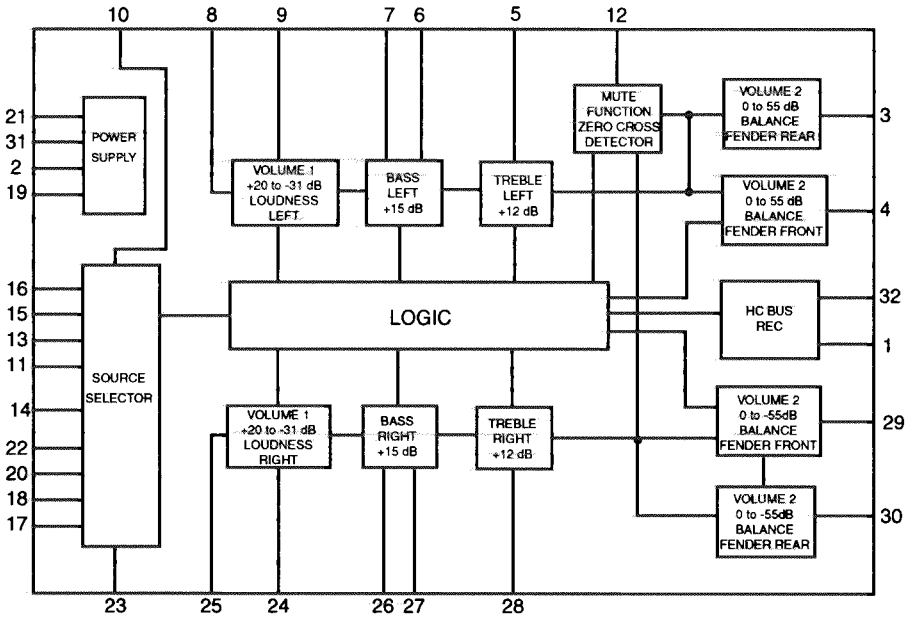


■ IC911:TEA6320T(E.VOLUME)

1.Terminal Layout

SDA	1	32	SCL
GND	2	31	VCC
OUTLR	3	30	OUTRR
OUTLF	4	29	OUTRF
TL	5	28	TR
B2L	6	27	B2R
B1L	7	26	B1R
IVL	8	25	IVR
ILL	9	24	ILR
QSL	10	23	QSR
IDL	11	22	IDR
MUTE	12	21	Vref
ICL	13 CD-CH	20	ICR
IMD	14	19	CAP
IBL	15 TAPE	18	IBR
IAL	16 TUNER	17	IAR

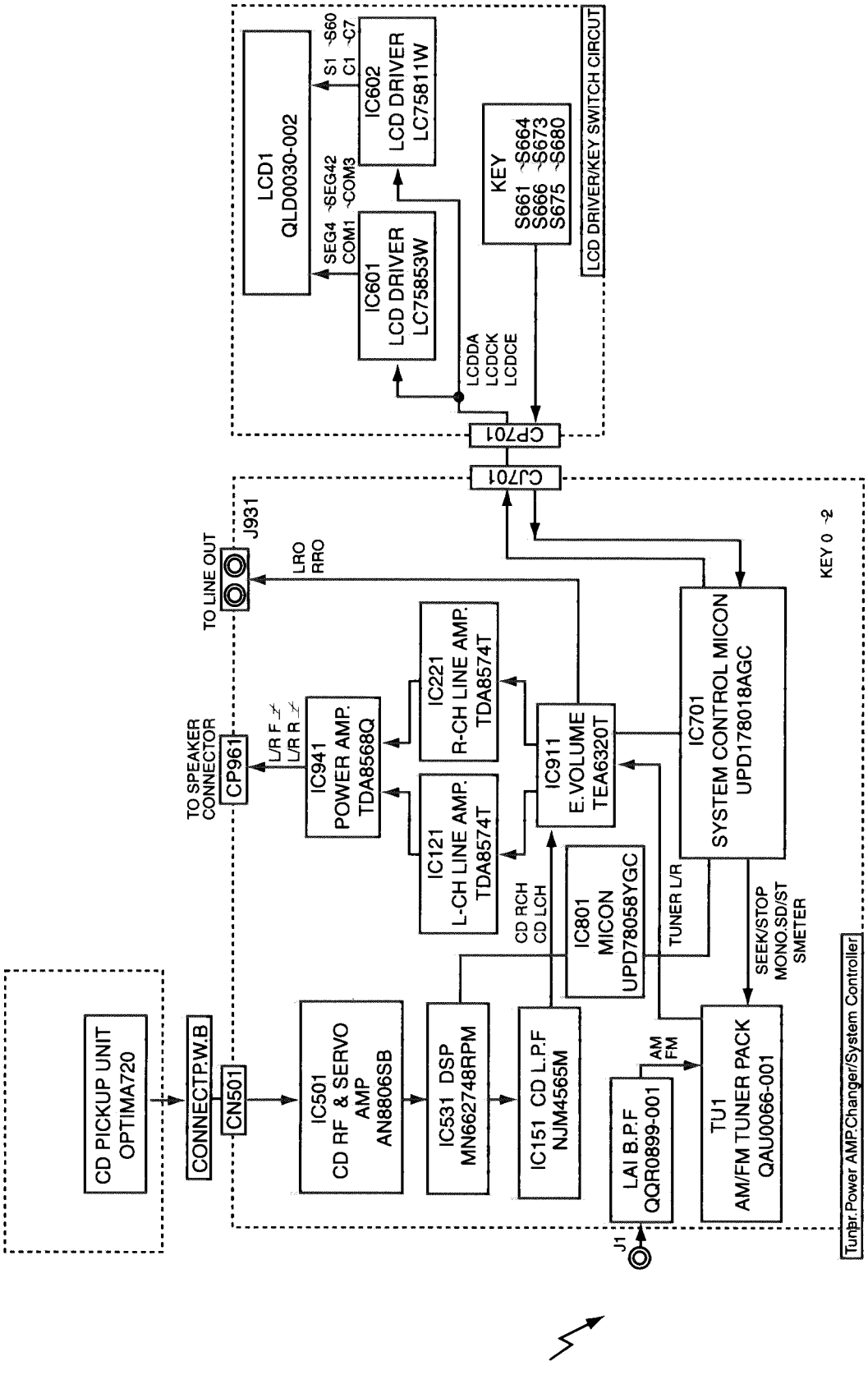
2.Block Diagram



3. Pin Functions

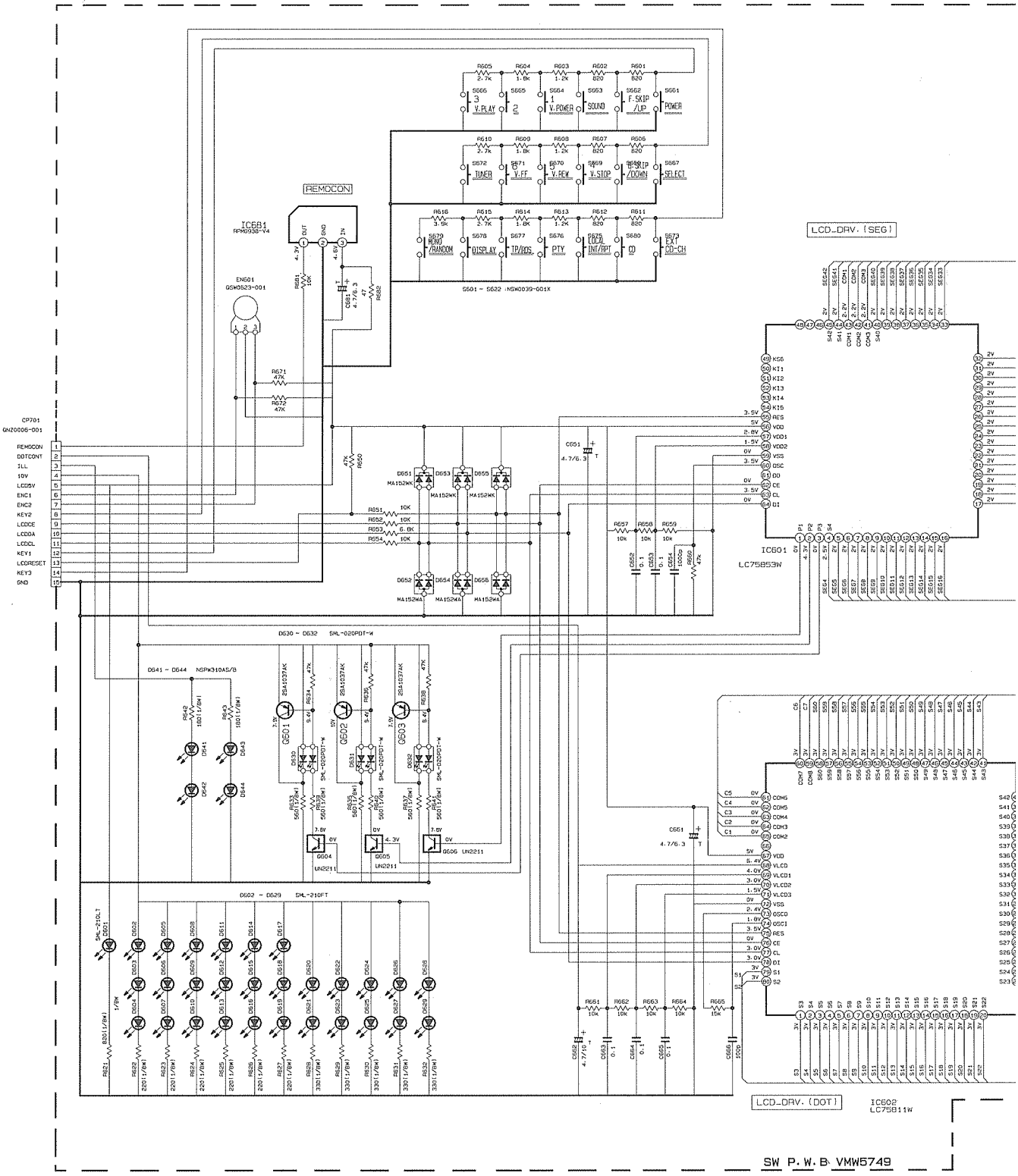
Pin No.	Symbol	I/O	Functions
1	SDA	I/O	Serial data input/output.
2	GND	-	Ground.
3	OUTLR	O	output left rear.
4	OUTLF	O	output left front.
5	TL	I	Treble control capacitor left channel or input from an external equalizer.
6	B2L	-	Bass control capacitor leftchannel or output to an external equalizer.
7	B1L	-	Bass control capacitor left channel.
8	IVL	I	Input volume 1. left control part.
9	ILL	I	Input loudness. left control part.
10	QSL	O	Output source selector. left channel.
11	IDL	-	Not used
12	MUTE	-	Not used
13	ICL	I	Input C left source.
14	IMO	-	Not used
15	IBL	I	Input B left source.
16	IAL	I	Input A left source.
17	IAR	I	Input A right source.
18	IBR	I	Input B right source.
19	CAP	-	Electronic filtering for supply.
20	ICR	I	Input C right source.
21	Vref	-	Reference voltage (0.5Vcc)
22	IDR	-	Not used
23	QSR	O	Output source selector right channel.
24	ILR	I	Input loudness right channel.
25	IVR	I	Input volume 1. right control part.
26	B1R	-	Bass control capacitor right channel
27	B2R	O	Bass control capacitor right channel or output to an external equalizer.
28	TR	I	Treble control capacitor right channel or input from an external equalizer.
29	OUTRF	O	Output right front.
30	OUTRR	O	Output right rear.
31	Vcc	-	Supply voltage.
32	SCL	I	Serial clock input.

Block Diagram



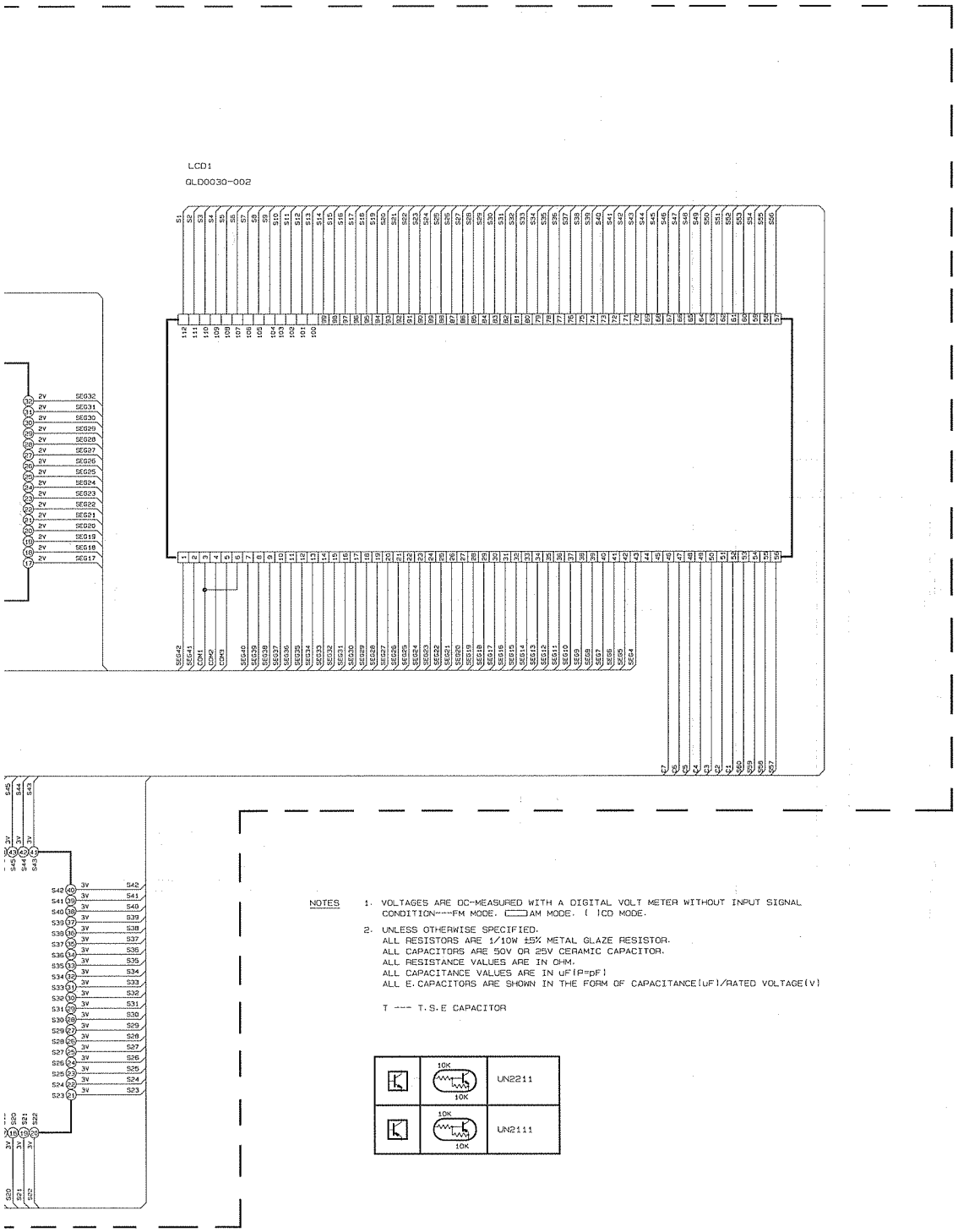
Standard Schematic Diagrams

■Indicator/Key circuit (for E version)



A B C D E

1 2 3 4 5 6 7



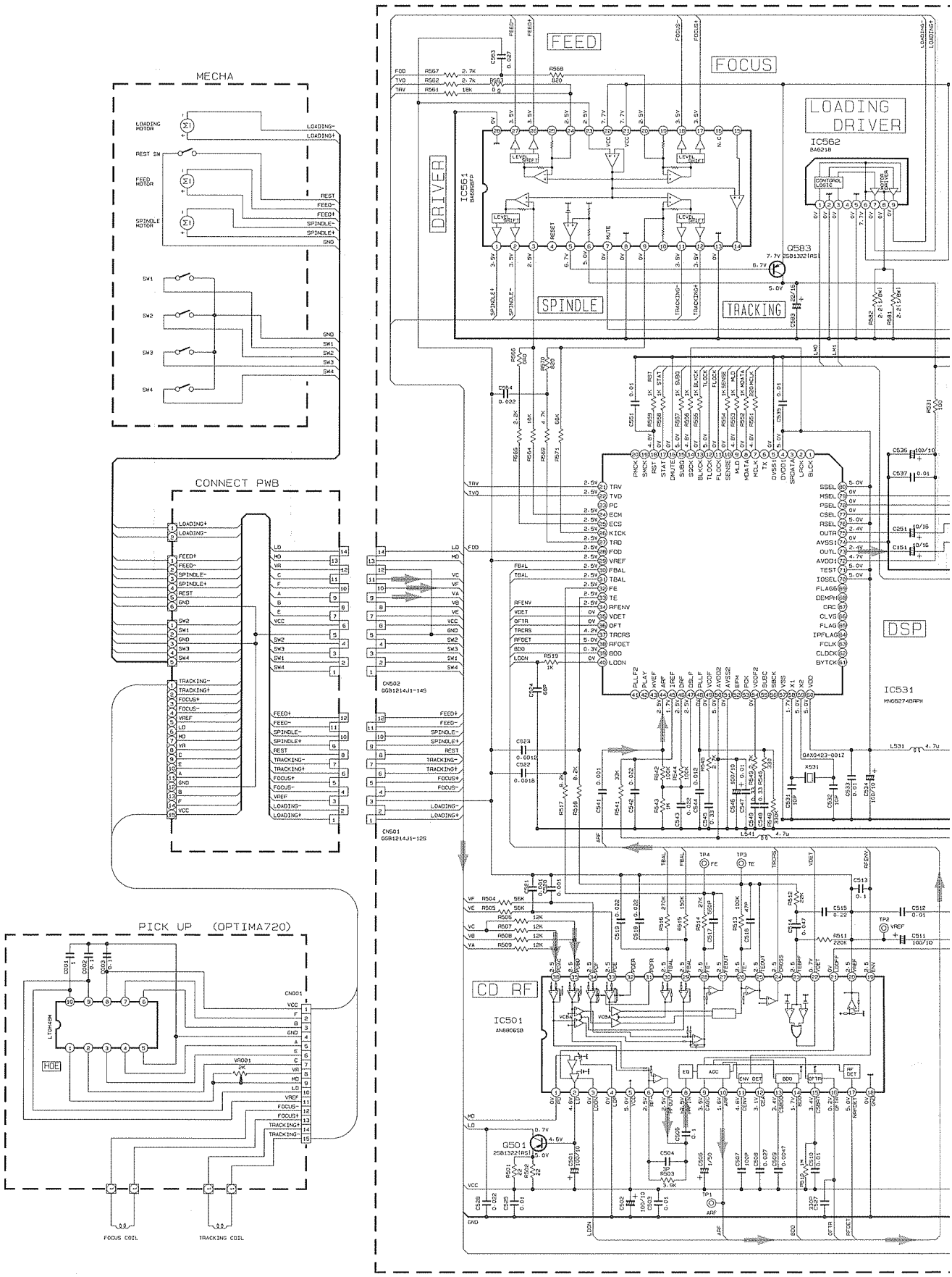
NOTES

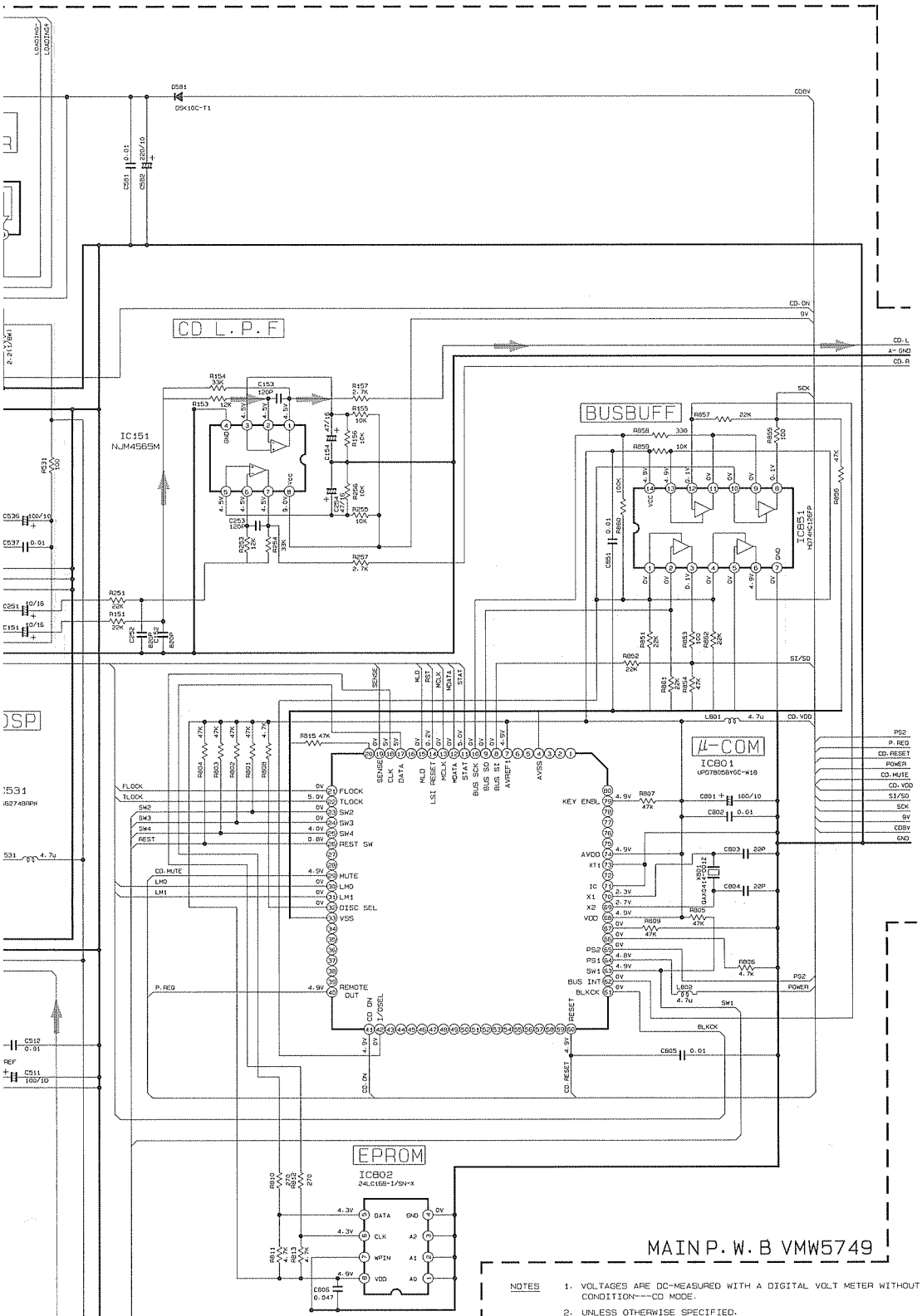
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION----FM MODE. ▭ AM MODE. ( ) CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)

   T --- T.S.E CAPACITOR

F | G | H | I | J

■CD circuit (for E version)





NOTES

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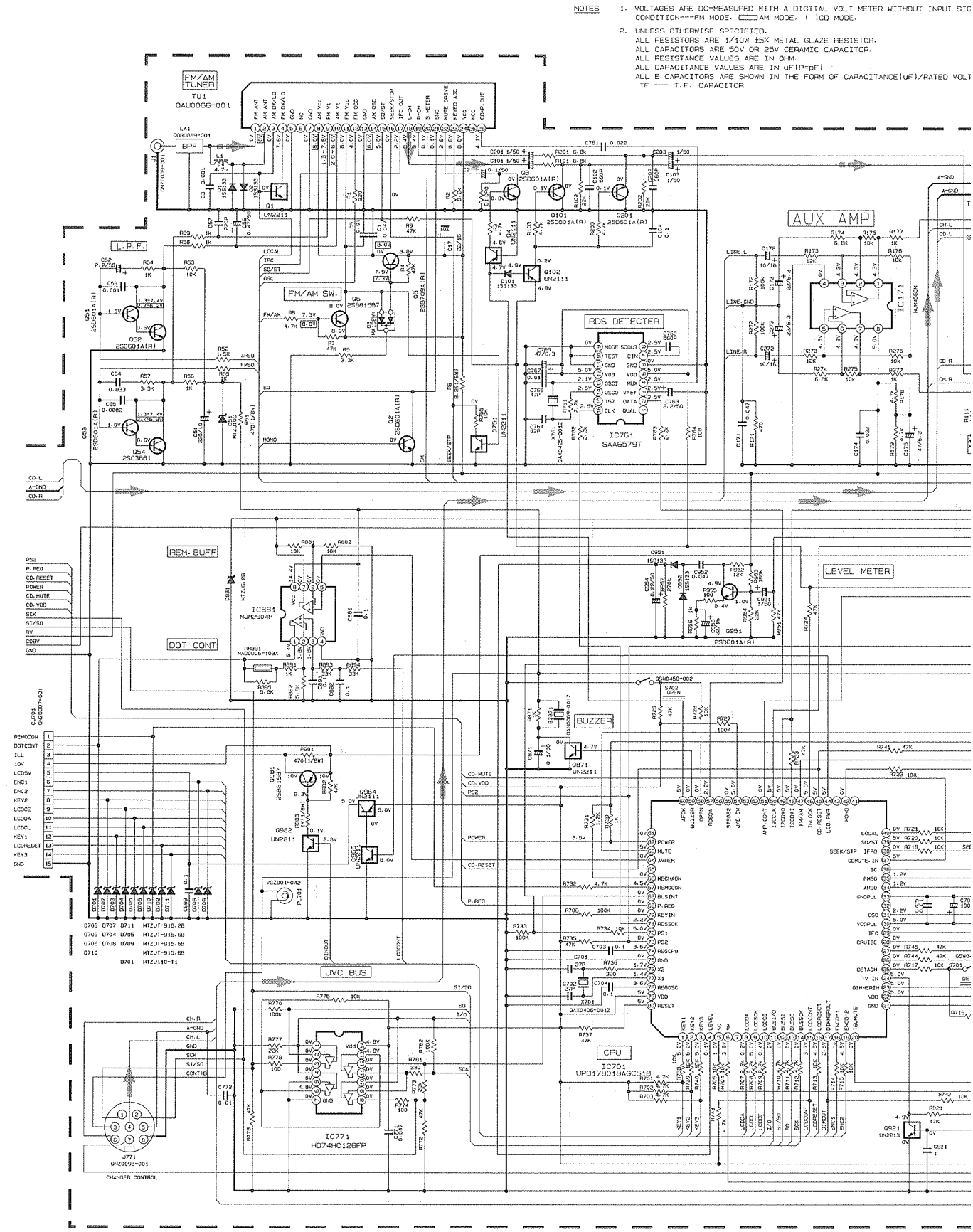
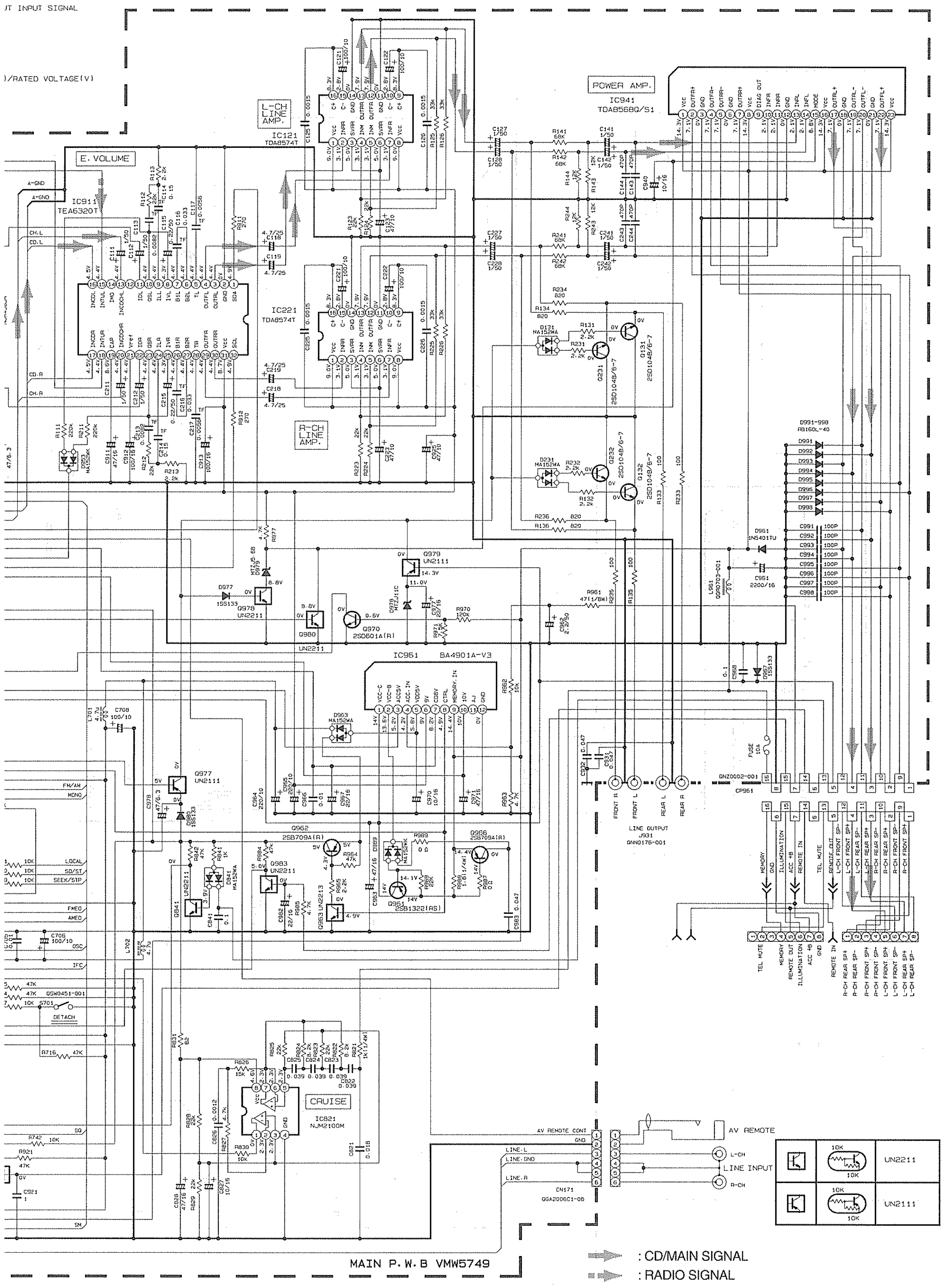
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE[uF]/RATED VOLTAGE[V]

Amplifier circuit (for E version)

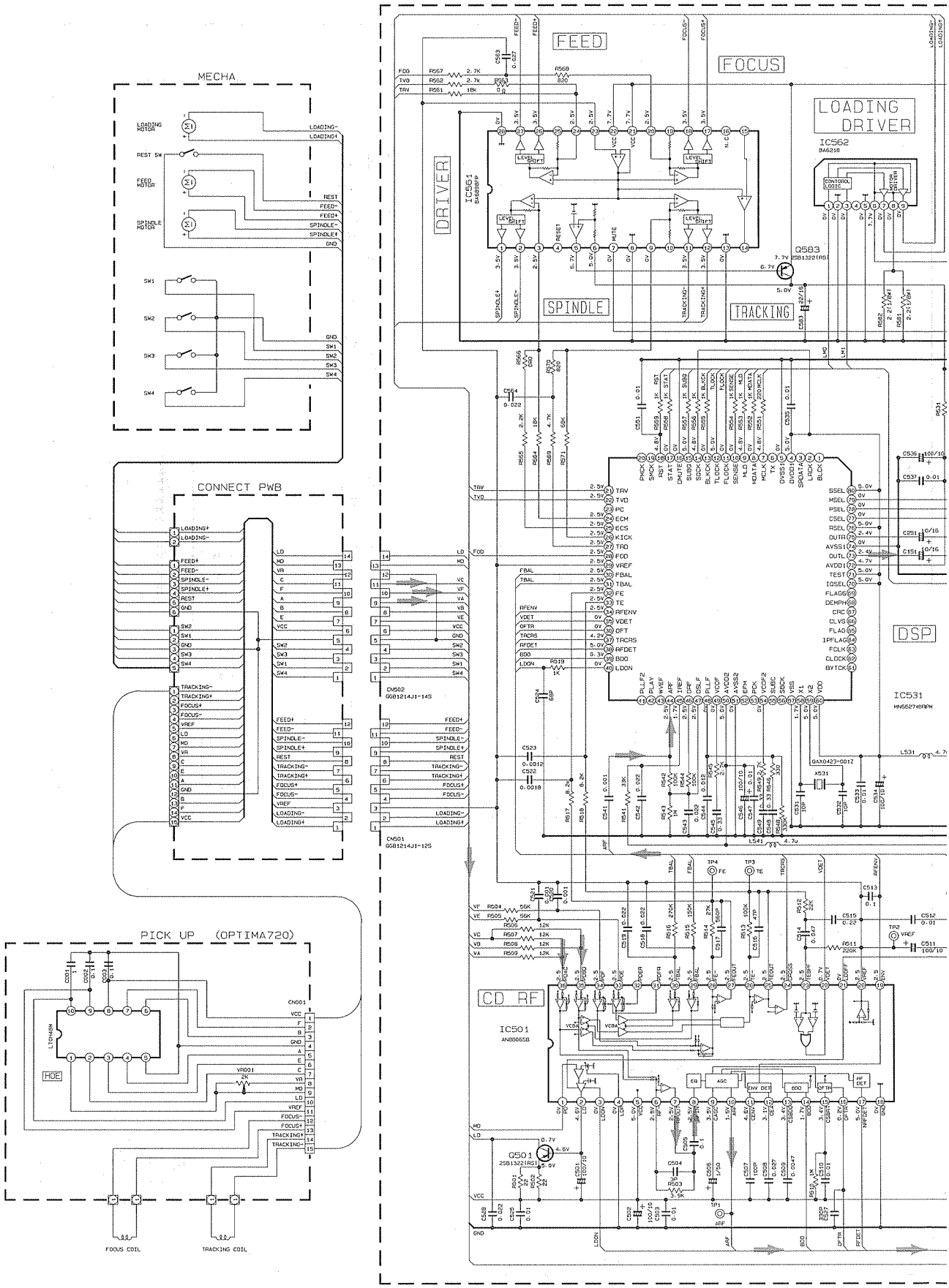


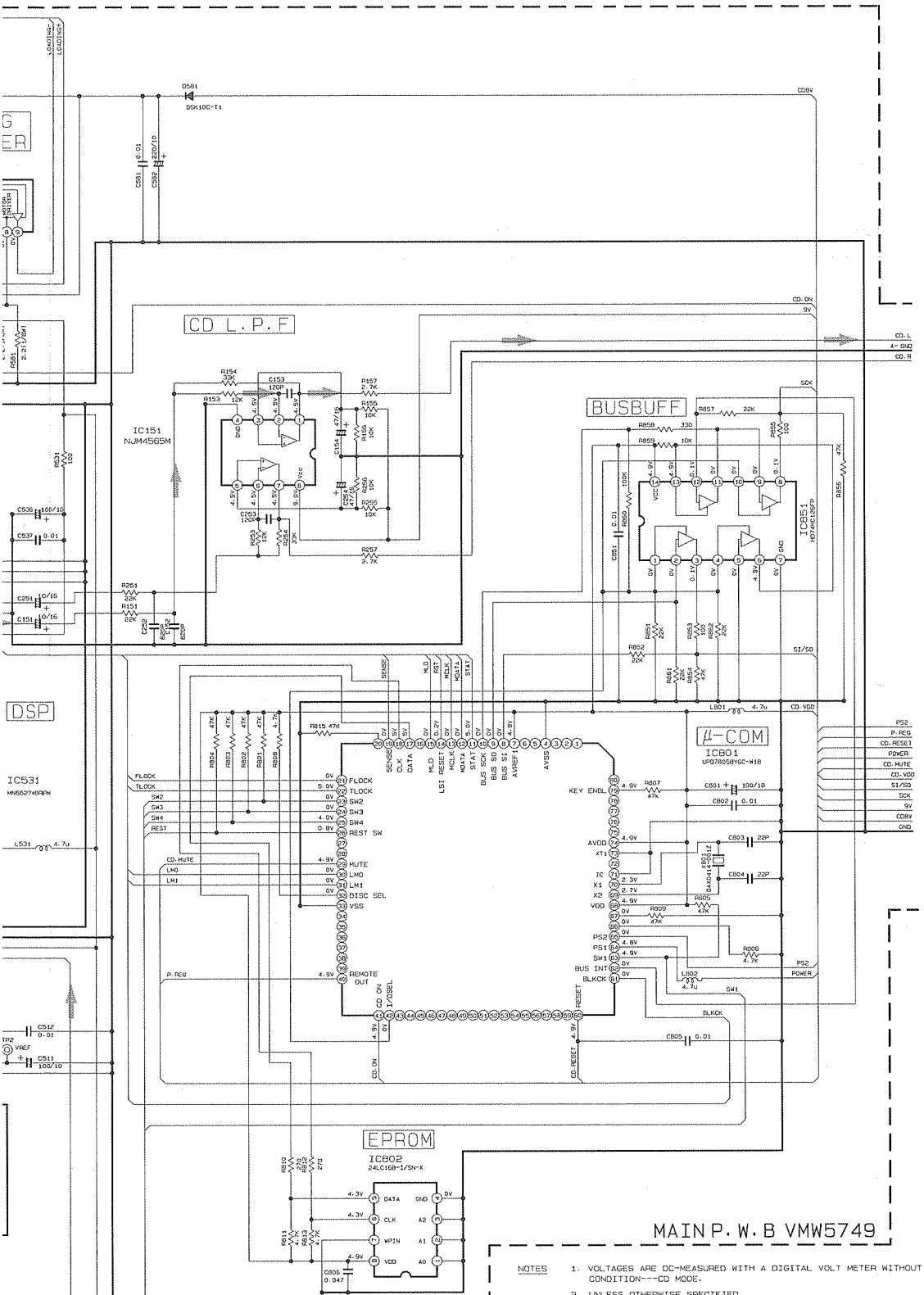


POWER AMP.
IC941
TDA8568Q/S1
L-CH LINE AMP.
IC121
TDA8574T
R-CH LINE AMP.
IC221
TDA8574T
E. VOLUME
IC911
TEA6320T
IC951
BA4901A-V3
CRUISE
IC821
NJM2100M
LINE OUTPUT
J931
FRONT R
FRONT L
REAR L
REAR R
AV REMOTE
L-CH
LINE INPUT
R-CH
UN2211
UN2111
MEMORY
ILLUMINATION
REMOTE IN
TEL MUTE
REMOTE OUT
ACC +B
GND
DETACH
MAIN P.W.B VMW5749
: CD/MAIN SIGNAL
: RADIO SIGNAL

F	G	H	I	J

■CD circuit (for J version)





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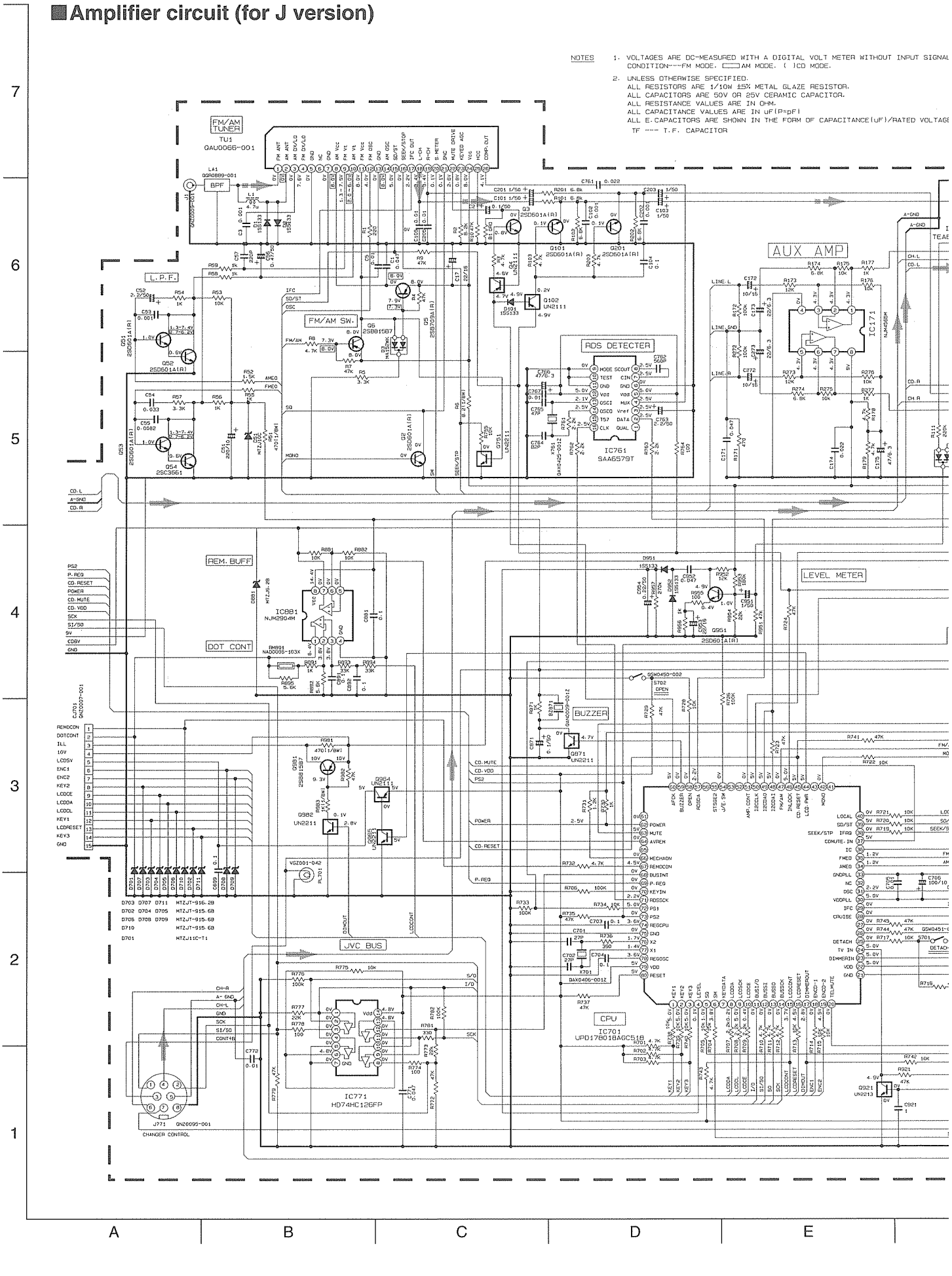
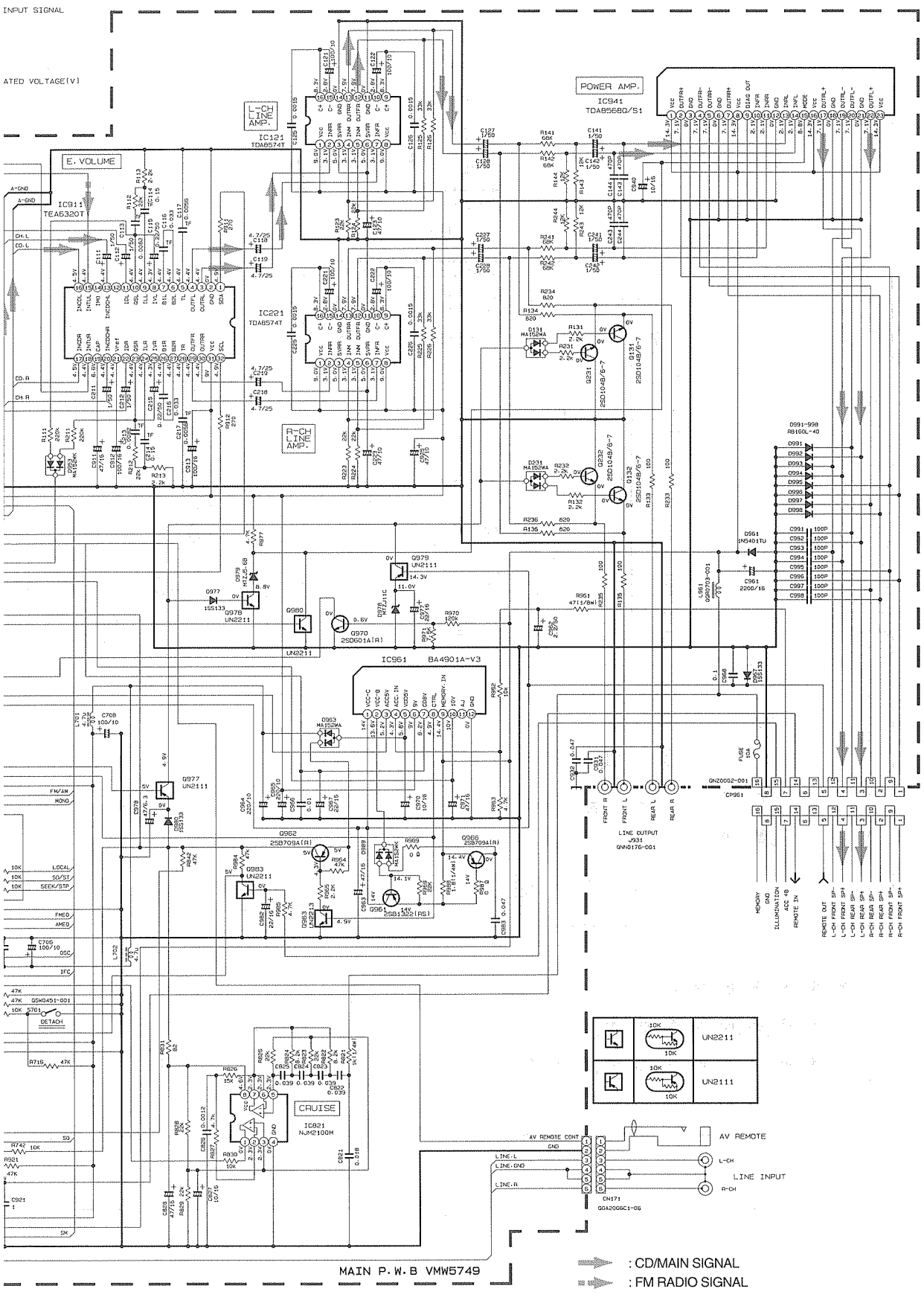
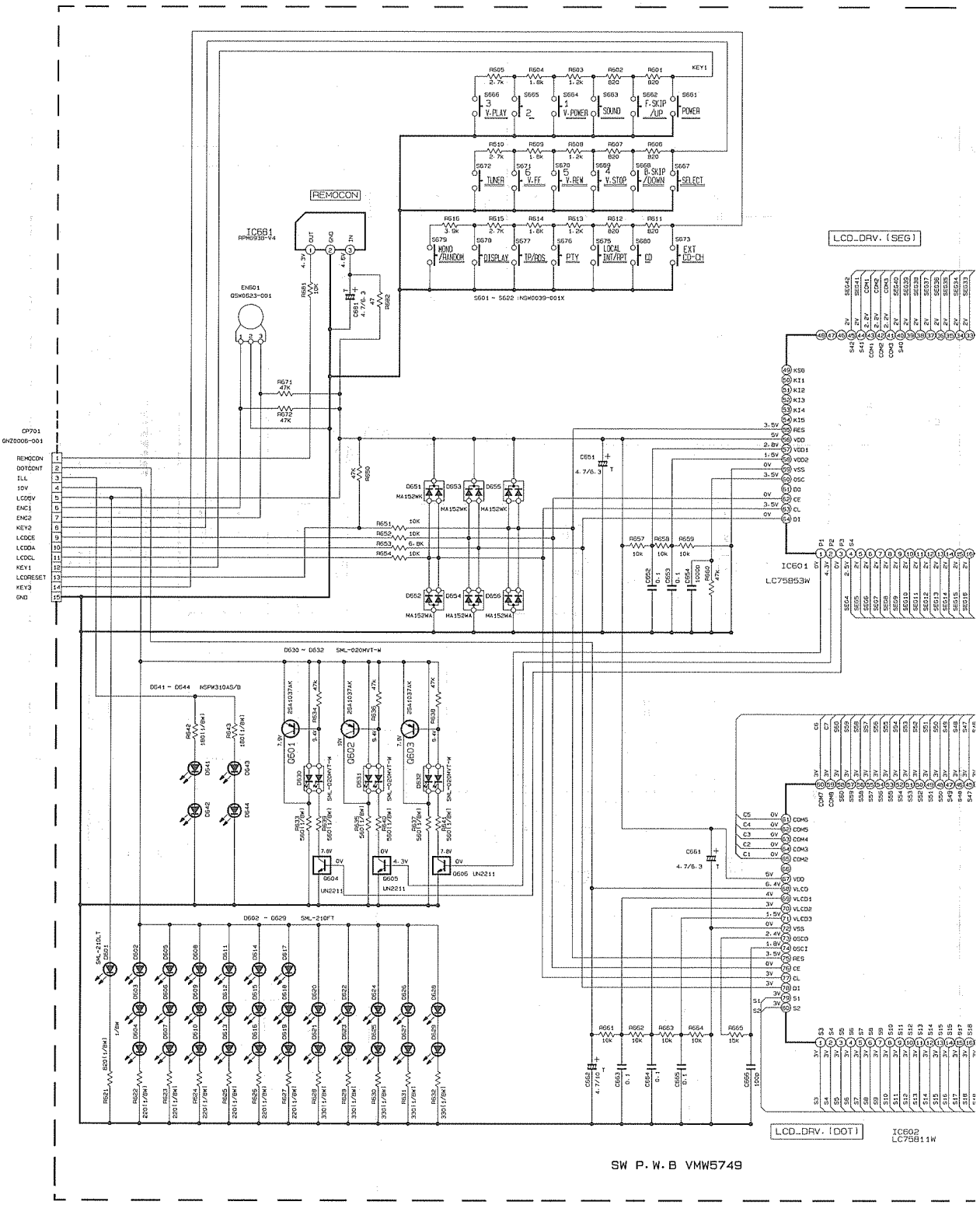
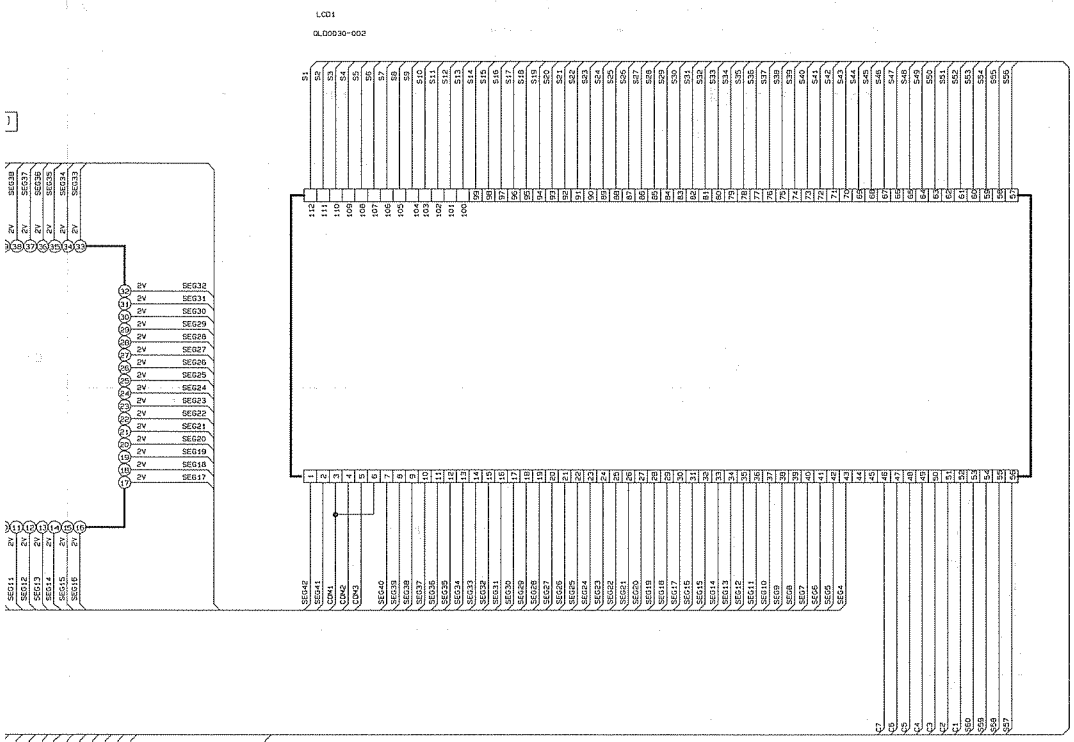
■Amplifier circuit (for J version)




INPUT SIGNAL
ATED VOLTAGE(V)
E. VOLUME
IC911
TEA6320T
IC121
TDA6574T
IC221
TDA6574T
POWER AMP.
IC941
TDA8568Q/S1
IC961
BA4901A-V3
CRUISE
IC821
NJM2100M
MAIN P.W.B VMW5749
: CD/MAIN SIGNAL
: FM RADIO SIGNAL
AV REMOTE
LINE INPUT
UN2211
UN2111

Indicator/Key circuit (for J version)





NOTES

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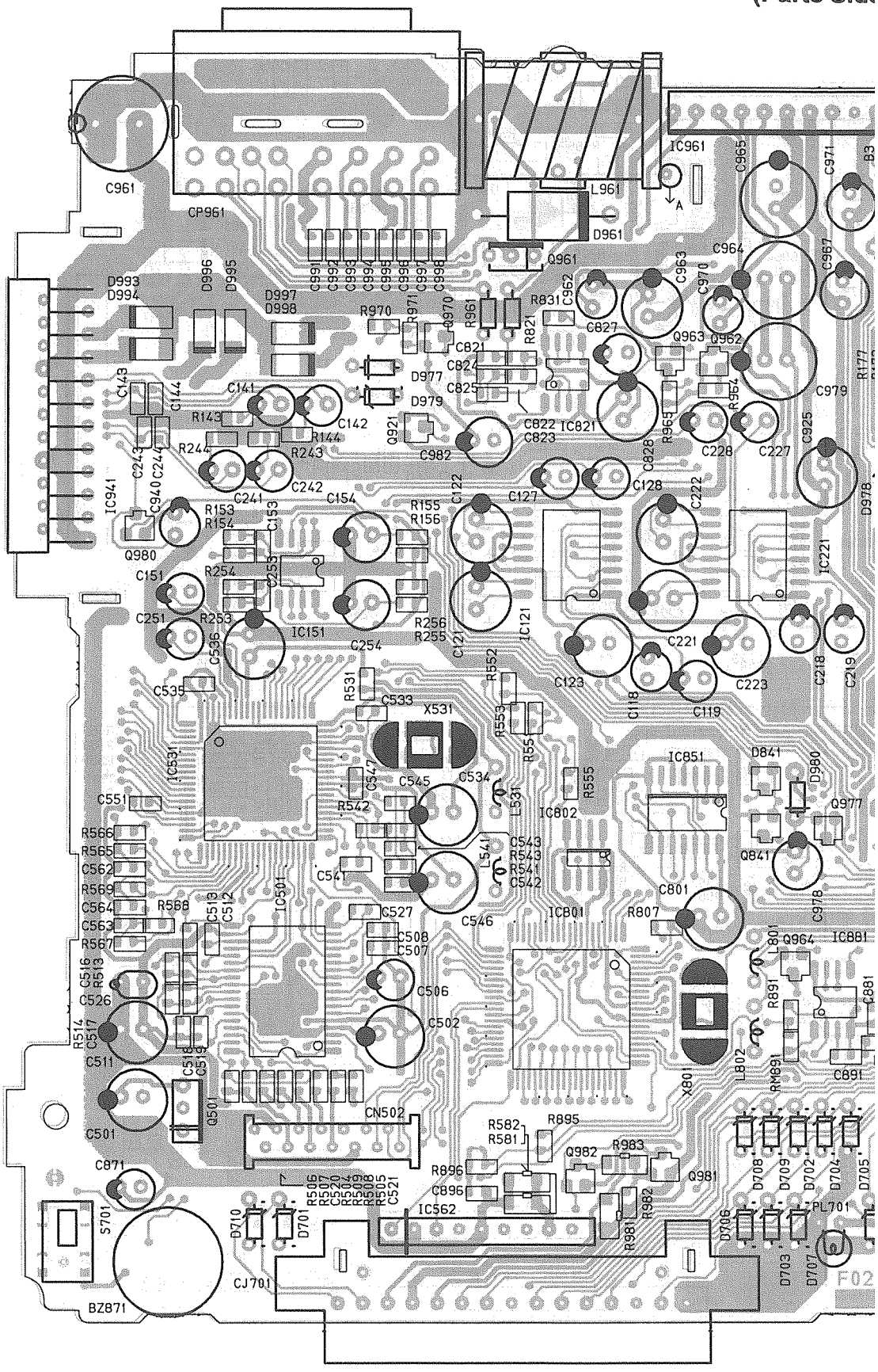
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
   T ~~~ T.S.E CAPACITOR

	10K 10K	UN2211
	10K 10K	UN2111

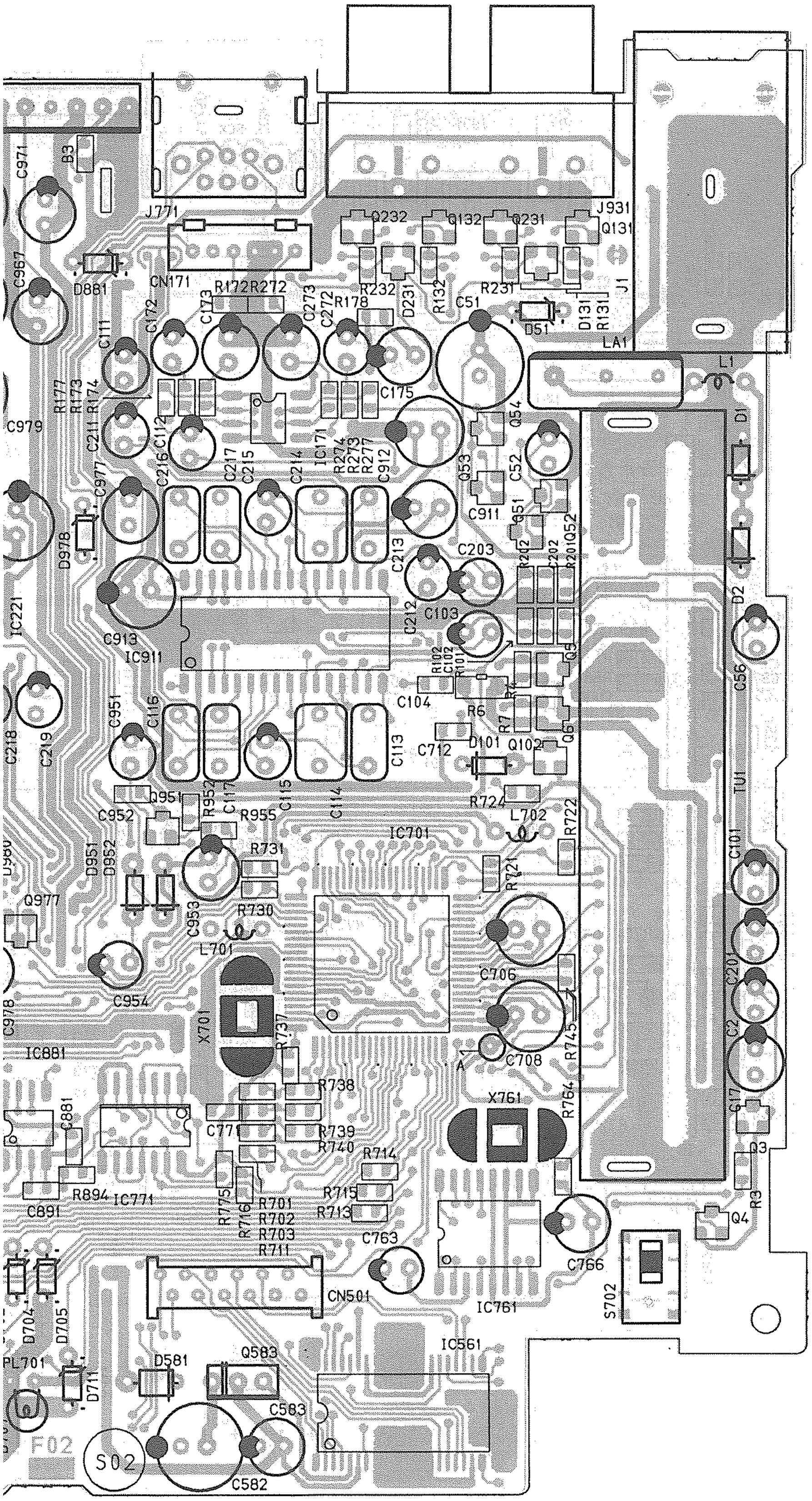
Location of P.C. Board Parts

■Main Board: Block No. 01

(Parts Side



s Side)


C971
B3
J771
Q232
Q132
Q231
J931
Q131
C967
D881
CN171
R172
R272
R178
R232
D231
R132
C51
R231
D51
D131
R131
J1
LA1
C172
C173
C273
C272
C111
C175
L1
R177
R173
R174
C979
C211
C112
C216
C217
C215
C214
IC171
R274
R273
R277
C912
Q54
Q53
C52
D1
C977
D978
C911
Q51
C213
C203
R202
C202
R201
Q52
D2
C913
IC911
C212
C103
IC221
R102
C102
R101
C56
C104
R6
R7
Q1
Q3
C218
C219
C951
C116
C113
C712
D101
Q102
C952
Q951
R952
C117
C115
C114
R955
R724
L702
R722
TU1
IC701
R731
R721
C101
D951
D952
Q977
C953
R730
L701
C954
C706
C201
C978
X701
R737
C708
R745
C2
IC881
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R764
C17
C881
C771
R739
R740
R714
D3
R894
IC771
C891
R715
R713
R775
R716
R701
R702
R703
R711
R3
Q4
C763
C766
CN501
S702
IC761
D704
D705
IC561
Q583
D581
PL701
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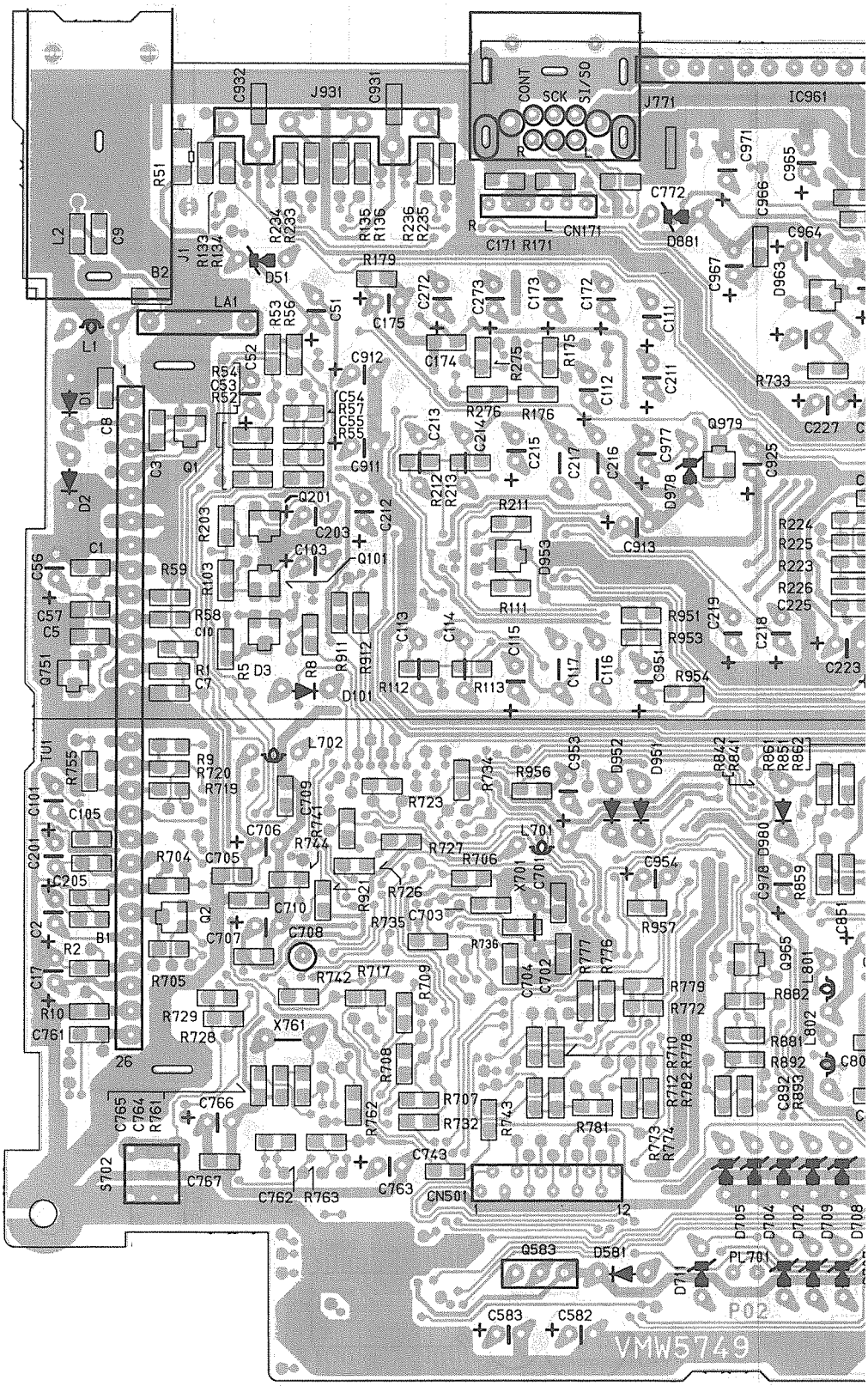
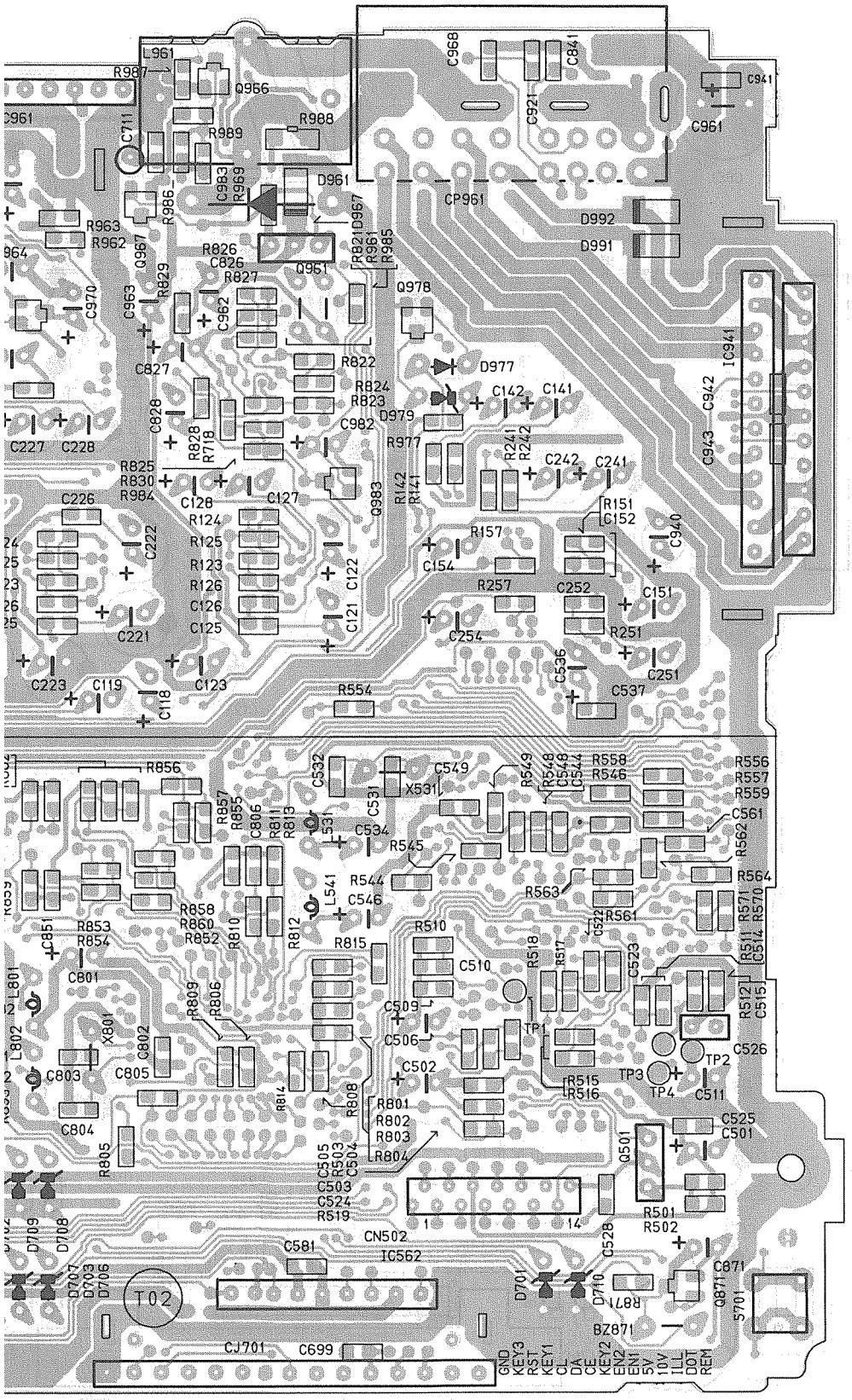
C583
F02
S02
C582

(Solder Side)



de)


L961
R987
Q966
C961
C711
R989
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C921
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C983
R969
R986
CP961
D992
D991
R963
R962
Q967
R829
C970
C963
R826
C826
R827
Q961
R821
D967
R961
R985
Q978
C962
C827
R822
D977
R824
R823
C142
C141
C928
C982
D979
C227
C228
R828
R718
R977
R825
R830
R984
R241
R242
C242
C241
C942
IC941
C943
C128
C127
R142
R141
Q983
R151
C152
C940
C226
R124
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C221
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C118
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R856
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X531
R549
R548
C548
C544
R558
R546
R556
R557
R559
C561
R857
R855
C806
R811
R813
C531
L531
C534
R545
R562
R544
C546
L541
R563
R564
R858
R860
R852
R810
R812
R815
C522
R561
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R518
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C523
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C514
R512
C515
L801
L802
R809
R806
X801
C509
C506
TP1
C526
C803
C805
Q802
C502
TP2
TP3
TP4
C511
R515
R516
C804
R808
R814
R801
R802
R803
R804
C525
C501
R805
C505
R503
C504
Q501
C503
C524
R519
R501
R502
CN502
C528
C581
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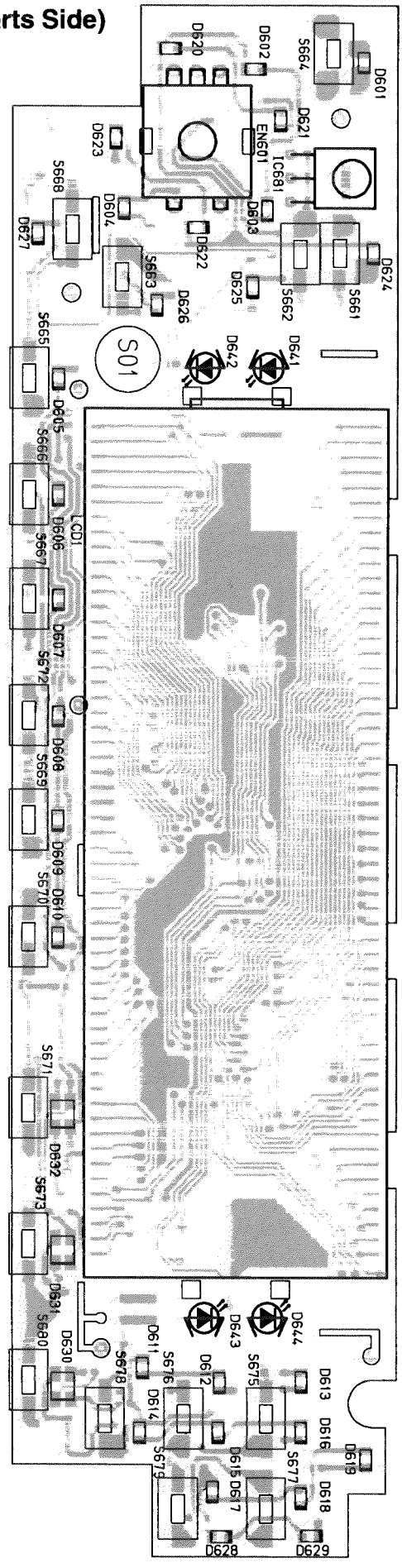
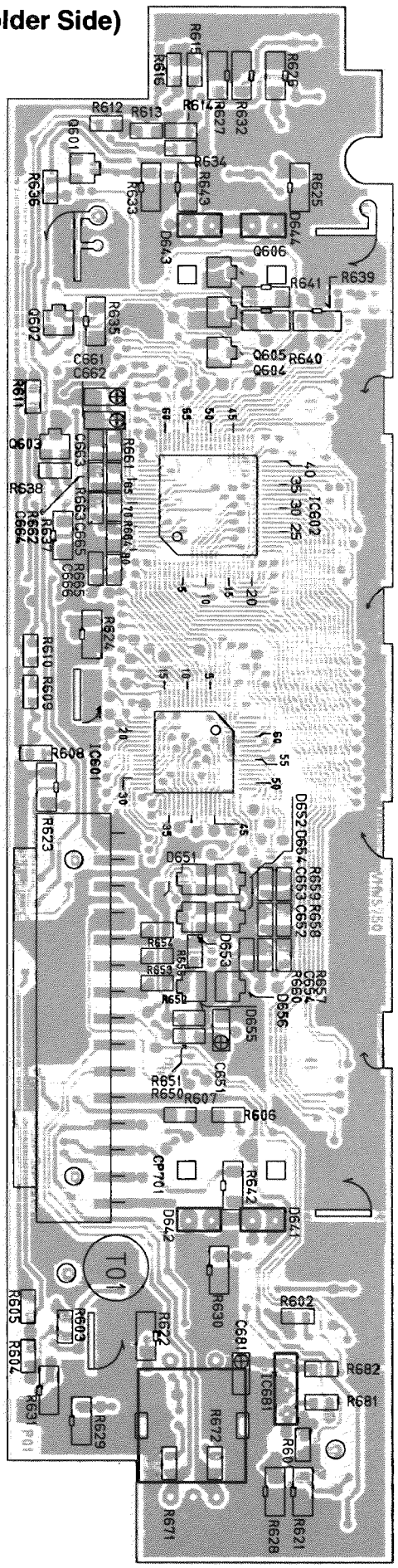
D709
D708
D707
D703
D706
T02
D701
D710
R871
C871
Q871
5701
BZ871
CJ701
C699
GND
KEY3
RST
KEY1
CL
DA
CE
KEY2
ENT
5V
10V
ILL
DOT
REM

■LCD Driver & Operation Switch Board: Block No. 02

(Parts Side)



(Solder Side)



PARTS LIST

[KD-SX1000R]

* All printed circuit boards and its assemblies are not available as service parts.

The Marks for Designated Areas

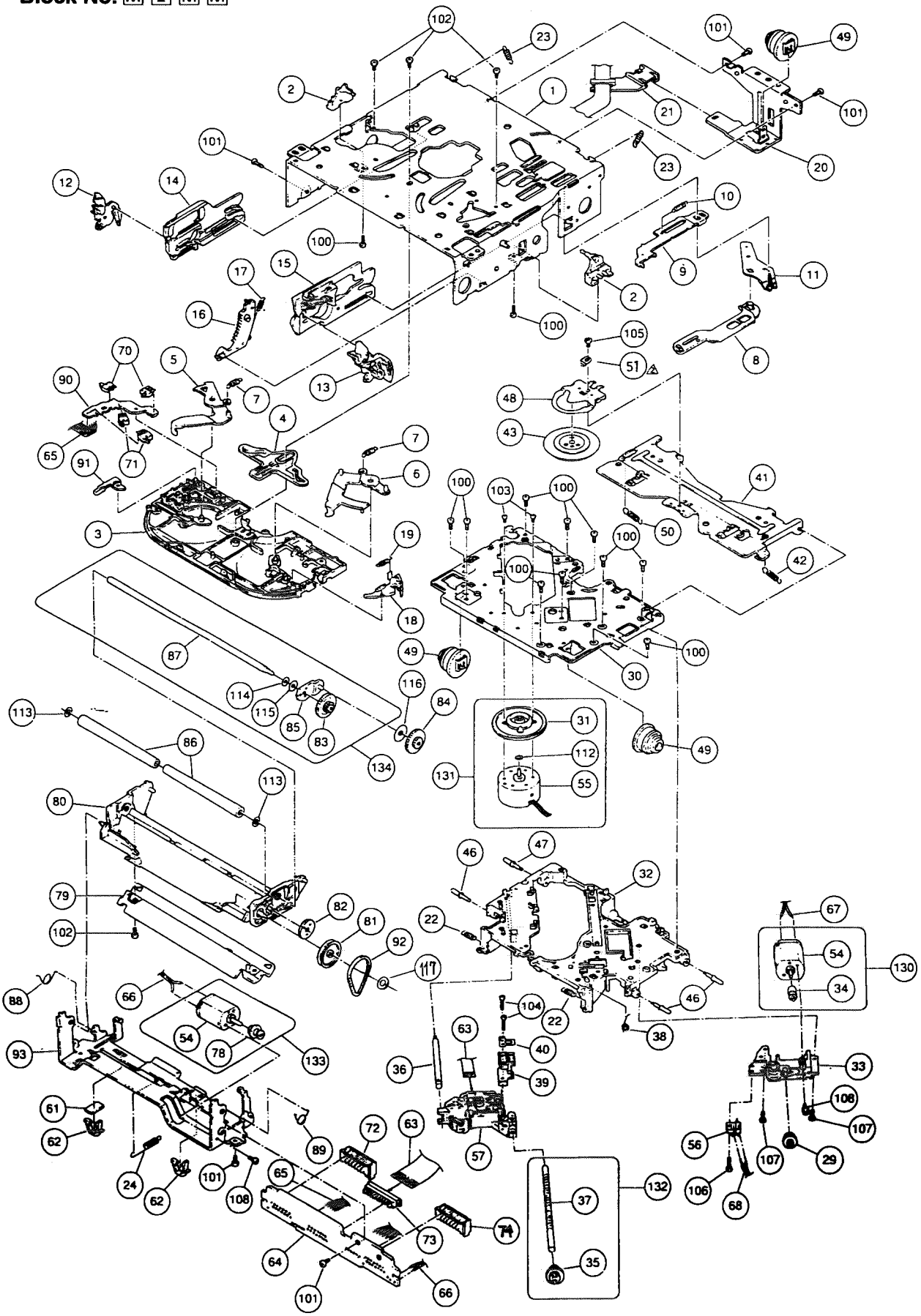
J ---------- U.S.A
E ---------- Continental Europe

- Contents -

Exploded View of CD Mechanism and Parts List ---------- 4-2,3
Exploded View of General Assembly and Parts List ---------- 4-4～6
Electrical Parts List
Main Board ---------- 4-7～12
LCD Driver & Operation switch Board ---------- 4-12～13
Packing Materials and Accessories List ---------- 4-14,15

Exploded View of CD Mechanism and Parts List

Block No. M 2 M M



■CD Mechanism Parts List

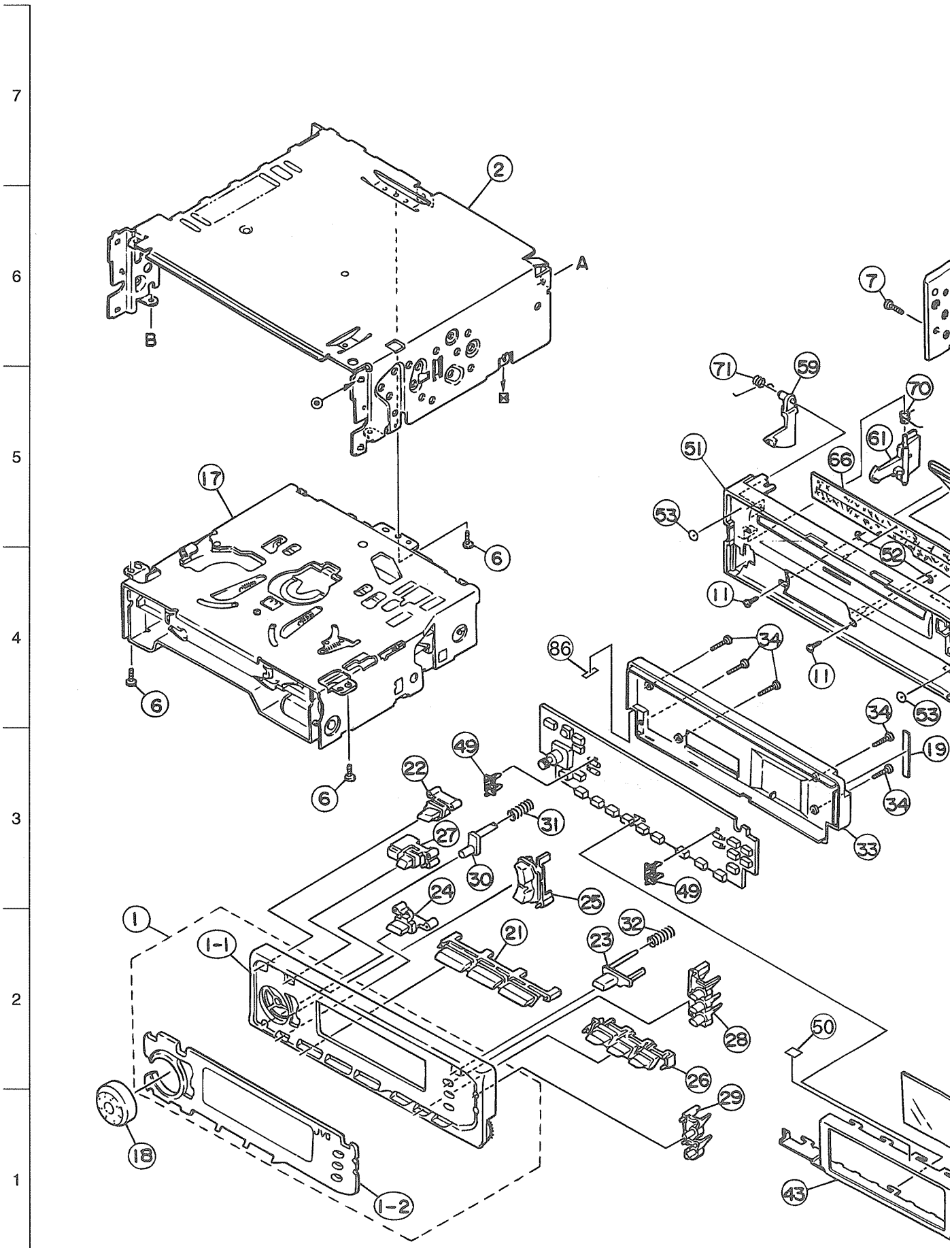
BLOCK NO. M2MM□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	30310101T	FRAME		1		
	2	30310103T	DANPER PIN		2		
	3	30310107T	UPPER PLATE		1		
	4	30310108T	SEL STOP PLATE		1		
	5	30310109T	SEL ARM (L)		1		
	6	30310110T	SEL ARM (R)		1		
	7	30310133T	S ARM SPRING		2		
	8	30310112T	TRIG LEVER		1		
	9	30310114T	TRIG PLATE		1		
	10	30310115T	TRIG PL SPRING		1		
	11	30310116T	TRIG ARM		1		
	12	30310117T	FIX ARM (L)		1		
	13	30310118T	FIX ARM (R)		1		
	14	30310119T	FIX PLATE (L)		1		
	15	30310120T	FIX PLATE (R)		1		
	16	30310121T	LDG GEAR (6)		1		
	17	30310122T	L.GEAR(6)SPRING		1		
	18	30310124T	S.L ARM		1		
	19	30310125T	S.L ARM SPRING		1		
	20	30310126T	REAR DAM BKT(J)		1		
	21	30310127T	FPC GUIDE		1		
	22	30310128T	H.UP SPRING(F)		2		
	23	30310129T	H.UP SPRING(R)		2		
	24	30310130T	LEVEL SPRING		1		
	29	30300510T	PU GEAR(B)		1		
	30	30310501T	TTB		1		
	31	---------	TURN TABLE		1		
	32	30310503T	FMB		1		
	33	30310504T	FD GR BRACKET		1		
	34	---------	FD GEAR (A)		1		
	35	---------	FD GEAR (C)		1		
	36	30310538T	PU SHAFT		1		
	37	---------	FD SCREW		1		
	38	30310510T	THRUST SPRING		1		
	39	30310511T	PU M NUT		1		
	40	30310512T	SPRING PLATE		1		
	41	30310513T	CLP ARM		1		
	42	30310514T	CLP ARM SPRING		1		
	43	30310515T	CLAMPER		1		
	46	30310521T	LOCK PIN		3		
	47	30310522T	LOCK PIN BL		1		
	48	30310523T	CLAMPER PLATE		1		
	49	30310524T	DAMPER (J)		3		
	50	30310525T	C.ARM SPRING(L)		1		
	51	30310536T	STOPPER SPRING		1		
	54	---------	FEED MOTOR		1		
		---------	FEED MOTOR	FF030PK-09210	1		
	55	---------	SPINDLE MOTOR		1		
	56	64180404T	DET SWITCH	ESE11HS2	1		
	57	OPTIMA-720A1	CD PICK UNIT		1		
	61	11050210T	FELT		1		
	62	19501403T	WIRE CLAMPER		2		
	63	30311019T	PICK UP FPC(J)		1		
	64	30311018T	CONNECTER PCB(J		1		

BLOCK NO. M2MM[ ][ ][ ]

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	65	30311022T	WIRE (5P-J)		1		
	66	30311023T	WIRE (LD-J)		1		
	67	30311006T	WIRE (FD)		1		
	68	30311007T	WIRE (RS)		1		
	70	64180402T	DET SWITCH	ESE22MH1	2		
	71	64180403T	DET SWITCH	ESE22MH3	2		
	72	68150235T	CONNECTOR	TKC-F14P-J3	1		
	73	68170224T	CONNECTOR(15P)	6208010115	1		
	74	68150237T	CONNECTOR(12P)		1		
	78	---------	LDG PULLEY		1		
	79	30311105T	SOPPORT PLATE		1		
	80	30311108T	GR MT BLK		1		
	81	30311109T	LDG GEAR (2)		1		
	82	30311110T	LDG GEAR (3)		1		
	83	---------	LDG GEAR (4)		1		
	84	30311112T	LDG GEAR (5)		1		
	85	---------	LDG GR ARM		1		
	86	30311131T	LDG ROLLER		2		
	87	---------	LDG RLR SHAFT		1		
	88	30311118T	L.P SPRING (L)		1		
	89	30311119T	L.P SPRING (R)		1		
	90	30311123T	SW PCB		1		
	91	30311124T	SW ACTUATOR		1		
	92	30311129T	LDG BELT		1		
	93	30311130T	FRONT BRKT (J)		1		
	100	9C0620503T	C B TAP SCREW	M2X5	12		
	101	9C2020401T	C SCREW TS.G	M2X4	5		
	102	9C4320403T	C B TAP SCREW	M2X4	4		
	103	9C0117223T	SCREW	M1.7X2.2	2		
	104	9C0317803T	C SCREW	M1.7X8	2		
	105	9C4220201T	C TAP SCREW S3	M2X2	1		
	106	9C4420003T	C TAP SCREW B3	M2X10	1		
	107	9C4420503T	C TAP SCREW B3	M2X5	2		
	108	9P0220031T	TAMS SCREW	M2X4	2		
	112	----------	POLY WASHER		1		
	113	9W0330276T	POLY WASHER	2.9X5X0.3	2		
	114	----------	WAVE WASHER		1		
	115	----------	LUMILAR WASHER		1		
	116	9W0725030T	LUMILAR WASHER		1		
	117	9W0640030T	WASHER		1		
	130	303105301T	FFED MOTOR ASSY	NO.34,54	1		
	131	303105302T	SP MOTOR ASSY	NO.31,55,112	1		
	132	303105303T	FEED SCREW ASSY	NO.35,37	1		
	133	303111301T	LDG MOTOR ASSY	NO.54,78	1		
	134	303111302T	ROLLER SHAFT	NO.83,85,87	1		
		303111302T	ROLLER SHAFT	114,115	1		

Exploded View of General Assembly and Parts List



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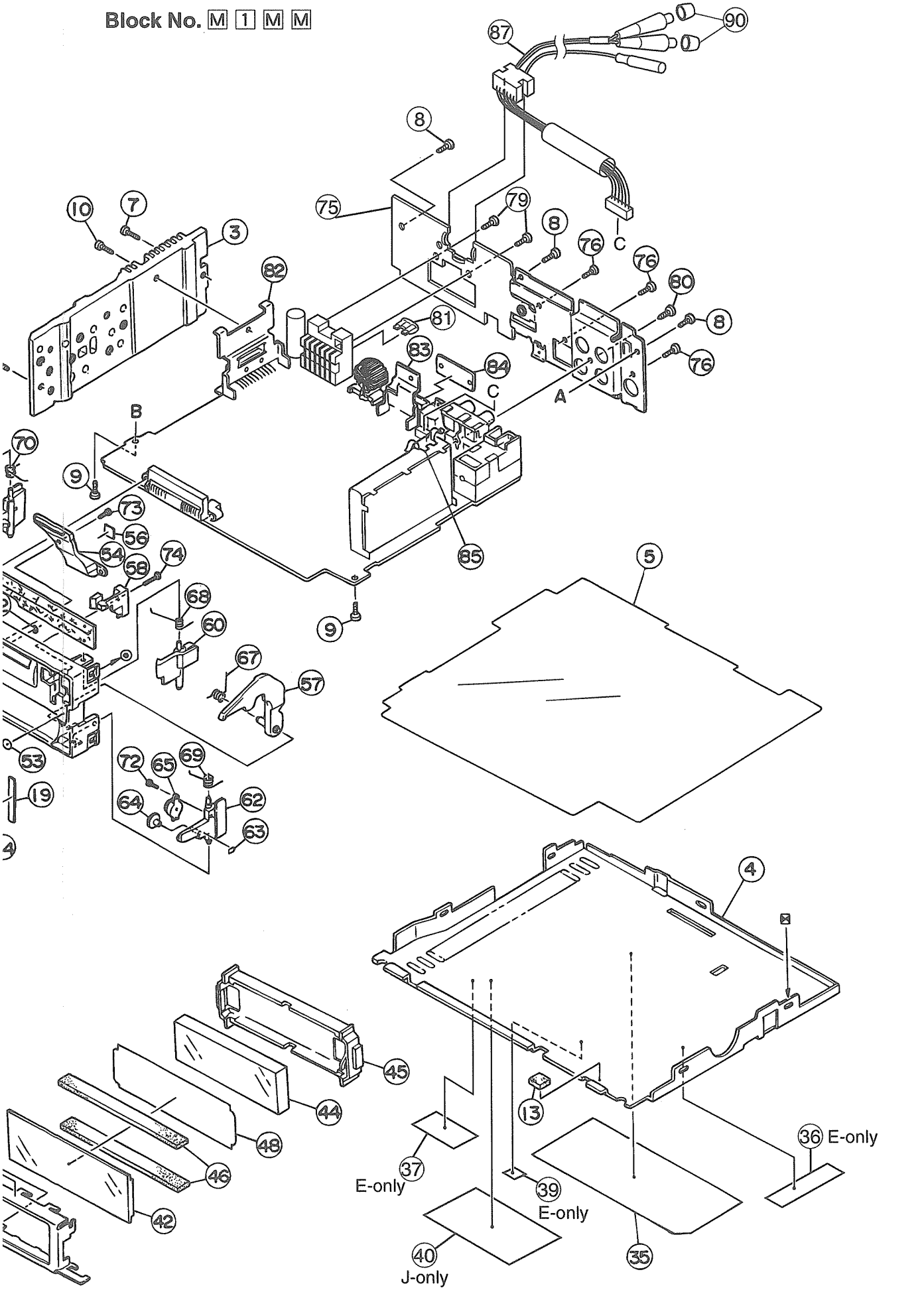
Block No. M 1 M M



■General Assembly Parts List

BLOCK NO. M1MM[ ][ ][ ]

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	ZCKDSX1000E-NPA			1	E	
		ZCKDSX1000J-NAP			1	J	
	1-1	VJG1514-001	FRONT PANEL		1		
	1-2	VJK2226-108	FINDER		1	J	
		VJK2226-109	FINDER		1	E	
	2	FSJC1029-021	TOP CHASSIS		1		
	3	FSMH3001-002	HEAT SINK		1		
	4	FSKM3011-001	BOTTOM COVER		1		
	5	FSMA3004-003	INSULATOR		1		
	6	SDST2604Z	SCREW	CHASSIS+CD MECH	3		
	7	FSKZ4005-001	SCREW	CHASSIS+SIDE PA	2		
	8	SDST2606Z	SCREW	CHASSIS+REAR BK	3		
	9	SDST2606Z	SCREW	CHASSIS+MAIN PW	2		
	10	FSKZ4005-001	SCREW	SIDE PANEL+IC B	1		
	11	SDSF2006M	SCREW	F,CHASSIS+CONEC	2		
	13	VYSR103-048	SPACER		1		
	17	----------	CD MECHA		1		
	18	FSXK3002-00A	FUNCTION KNOB		1		
	19	VYSS1R4-047	SPACER		1		
	21	FSXP2025-002	PRESET BUTTON	1/2/3/4/5/6LASE	1		
	22	VXP3895-001	POWER BUTTON		1		
	23	VXP3896-001	EJECT BUTTON		1		
	24	VXP3905-001	PUSH BUTTON	SOUND	1		
	25	FSXP2031-001	UP DOWN BUTTON		1		
	26	FSXP2029-005	D.FUNC BUTTON	CD/FM/AM	1		
	27	VXP3894-001	SEL BUTTON		1		
	28	VXP3898-001	PUSH BUTTON	3 PICES	1		
	29	VXP3899-002	PUSH BUTTON	2 PICES	1		
	30	VXP3826-001	DETACH BUTTON		1		
	31	VKW3001-330	COMP.SPRING	FOR DETACH BUTT	1		
	32	VKW3001-330	COMP.SPRING	FOR EJECT BUTTO	1		
	33	VJG1515-001	REAR COVER		1		
	34	VKZ4777-001	MINI SCREW	FRONT+SW.PWB	5		
	35	VYN3874-S002	NAME PLATE		1	E	
		VYN3874-S001	NAME PLATE		1	J	
	36	E406709-001	LASER CAUTION		1	E	
	37	E70891-001	CLASS 1 LABEL		1	E	
	39	VND4597-001	APROVAL LABEL		1	E	
	40	VND4922-001	CAUTION LABEL		1	J	
	42	QLD0030-002	LCD MODULE	LCD1	1		
	43	VKM3960-001	LCD CASE		1		
	44	VJK3731-002	LCD LENS		1		
	45	VKS2287-002	LENS CASE		1		
	46	QNZ0088-002	RUBBER CONNECTO		2		
	48	VYTT718-004	LCD FILTER		1		
	49	VKS5594-001	L.E.D HOLDER		2		
	50	FSYH4036-008	SHEET		1		
	51	VJG1445-002	FRONT CHASSIS		1		
	52	VYTT708-001	SHEET		2		
	53	VYSS2R4-016	SPACER		2		
	54	VJK3709-002	LIGHT LENS		1		
	56	VYSR101-027	SPACER		1		
	57	VKS3792-002	OPEN LEVER		1		
	58	VKS3797-003	LOCK LEVER(O.L)		1		
	59	VKS3798-001	RELEASE LEVER		1		

BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	60	VKS3793-001	LOCK LEVER(TOP)		1		
	61	VKS3794-003	LOCK LEVER(L)		1		
	62	VKS3795-002	LOCK LEVER(R)		1		
	63	VYSS1R5-042	SPACER		1		
	64	VKS5563-001	GEAR		1		
	65	VKZ4786-002	OIL DAMPER		1		
	66	VYTA526-001	BLIND		1		
	67	VKW5260-003	T.SPRING	FOR OPEN LEVER	1		
	68	VKW5261-001	T.SPRING	FOR L.LEVER(TOP	1		
	69	VKW5262-001	T.SPRING	FOR L.LEVER(R)	1		
	70	VKW5263-002	T.SPRING	FOR L.LEVER(L)	1		
	71	VKW5264-004	T.SPRING	FOR RELEASE LEV	1		
	72	SDSF2006M	SCREW	DAMPER+L.LEVER(	1		
	73	VKZ4777-001	MINI SCREW	L.LENS+F.CHASSI	1		
	74	VKZ4777-001	MINI SCREW		1		
	75	FSKM3010-004	REAR BRACKET		1		
	76	SDST2606Z	SCREW	REG.BRK	3		
	79	SDSP2606Z	SCREW	POWER CONN.	2		
	80	SDSF3006Z	SCREW	PIN	1		
	81	QMFZ021-100-J1	FUSE		1		
	82	FSKL4013-002	IC BRACKET		1		
	83	FSKL4015-002	REG BRACKET		1		
	84	FSKL4014-002	HEAT SINK		1		
	85	VMA4652-001SS	EARTH PLATE		1		
	86	VYSS1R1-111	SPACER		1		
	87	QAM0117-001	PIN CABLE		1		
	90	VYTA500-001	PIN CAP		2		

■ Main Board

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C272	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C273	QERF0JM-226Z	E CAPACITOR	22MF 20% 6.3V	
	BZ871	QAN0009-001Z	BUZZER		
	C 1	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 2	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	
	C 3	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 5	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 17	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 51	QER41AM-227N	E CAPACITOR	220MF 20% 10V	
	C 52	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 53	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 54	NCB21HK-333AY	C CAPACITOR	.033MF 10% 50V	
	C 55	NCB21HK-822AY	C CAPACITOR	8200PF 10% 50V	
	C 56	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 57	NCS21HJ-221AY	C CAPACITOR	220PF 5% 50V	
	C 101	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 102	NCB21HK-561	C CAPACITOR	560PF 10% 50V	E
	C 102	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	J
	C 103	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 104	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 105	NCB21HK-103AY	C CAPACITOR	.010MF 10% 25V	J
	C 111	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 112	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 113	QFLA1HJ-822ZM	M CAPACITOR	8200PF 5% 50V	
	C 114	QFV11HJ-154AZM	TF CAPACITOR	.15MF 5% 50V	
	C 115	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 116	QFV41HJ-333	TF CAPACITOR	.033MF 5% 50V	
	C 117	QFLA1HJ-562ZM	M CAPACITOR	5600PF 5% 50V	
	C 118	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 119	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 121	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 122	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 123	QERF1AM-476Z	E CAPACITOR	47MF 20% 10V	
	C 125	NCB21HK-152AY	C CAPACITOR	1500PF 10% 50V	
	C 126	NCB21HK-152AY	C CAPACITOR	1500PF 10% 50V	
	C 127	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 128	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 141	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 142	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 143	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 144	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 151	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 152	NCS21HJ-821AY	C CAPACITOR	820PF 5% 50V	
	C 153	NCS21HJ-121X	C CAPACITOR	120PF 5% 50V	
	C 154	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 171	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 172	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 173	QERF0JM-226Z	E CAPACITOR	22MF 20% 6.3V	
	C 174	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
	C 175	QERF0JM-476ZN	E CAPACITOR	47MF 20% 6.3V	
	C 201	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 202	NCB21HK-561	C CAPACITOR	560PF 10% 50V	E
	C 202	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	J
	C 203	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 205	NCB21HK-103AY	C CAPACITOR	.010MF 10% 25V	J

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 211	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 212	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 213	QFLA1HJ-822ZM	M CAPACITOR	8200PF 5% 50V	
	C 214	QFV11HJ-154AZM	TF CAPACITOR	.15MF 5% 50V	
	C 215	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 216	QFV41HJ-333	TF CAPACITOR	.033MF 5% 50V	
	C 217	QFLA1HJ-562ZM	M CAPACITOR	5600PF 5% 50V	
	C 218	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 219	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 221	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 222	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 223	QERF1AM-476Z	E CAPACITOR	47MF 20% 10V	
	C 225	NCB21HK-152AY	C CAPACITOR	1500PF 10% 50V	
	C 226	NCB21HK-152AY	C CAPACITOR	1500PF 10% 50V	
	C 227	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 228	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 241	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 242	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 243	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 244	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 251	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 252	NCS21HJ-821AY	C CAPACITOR	820PF 5% 50V	
	C 253	NCS21HJ-121X	C CAPACITOR	120PF 5% 50V	
	C 254	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 501	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 502	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 503	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 504	NCS21HC-3R0AY	C CAPACITOR	3.0PF 5% 50V	
	C 505	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 506	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 507	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 508	NCB21HK-273AY	C CAPACITOR	.027MF 10% 50V	
	C 509	NCB21HK-472AY	C CAPACITOR	4700PF 10% 50V	
	C 510	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 511	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 512	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 513	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 514	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 515	NCB21CK-224AYU	C CAPACITOR	.22MF 10% 16V	
	C 516	NCS21HJ-470AY	C CAPACITOR	47PF 5% 50V	
	C 517	NCS21HJ-561AY	C CAPACITOR	560PF 5% 50V	
	C 518	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 519	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 520	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 521	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 522	NCB21HK-182AY	C CAPACITOR	1800PF 10% 50V	
	C 523	NCS21HJ-122AYM	C CAPACITOR	1200PF 5% 50V	
	C 524	NCS21HJ-680AY	C CAPACITOR	68PF 5% 50V	
	C 525	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 527	NCS21HJ-331AY	C CAPACITOR	330PF 5% 50V	
	C 528	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 531	NDC21HJ-100X	C CAPACITOR		
	C 532	NDC21HJ-100X	C CAPACITOR		
	C 533	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 534	QERF1AM-107ZN	E CAPACITOR	100MF 20% 10V	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 535	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 536	QEKF1AM-1077N	E CAPACITOR	100MF 20% 10V	
	C 537	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 541	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 542	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 543	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 544	NCB21HK-123AY	C CAPACITOR	.012MF 10% 50V	
	C 545	NCB21CK-334AY	C CAPACITOR	.33MF 10% 16V	
	C 546	QEKF1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 547	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 548	NCB21CK-334AY	C CAPACITOR	.33MF 10% 16V	
	C 549	NCB21CK-334AY	C CAPACITOR	.33MF 10% 16V	
	C 551	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 563	NCB21HK-273AY	C CAPACITOR	.027MF 10% 50V	
	C 564	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 581	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 582	QER41AM-227N	E CAPACITOR	220MF 20% 10V	
	C 583	QER41CM-226	E CAPACITOR	22MF 20% 16V	
	C 699	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 701	NDC21HJ-270X	C CAPACITOR		
	C 702	NDC21HJ-270X	C CAPACITOR		
	C 703	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 704	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 705	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 706	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 708	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 711	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 761	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
	C 762	NCS21HJ-561AY	C CAPACITOR	560PF 5% 50V	
	C 763	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 764	NCT21CH-820AY	C CAPACITOR	82PF +50:-10% 16V	
	C 765	NCT21CH-470AY	C CAPACITOR	47PF +50:-10% 16V	
	C 766	QERF0JM-476ZN	E CAPACITOR	47MF 20% 6.3V	
	C 767	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 771	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 772	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 801	QEKF1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 802	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 803	NCS21HJ-220AY	C CAPACITOR	22PF 5% 50V	
	C 804	NCS21HJ-220AY	C CAPACITOR	22PF 5% 50V	
	C 805	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 806	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 821	NCB21HK-183AY	C CAPACITOR	.018MF 10% 50V	
	C 822	NCB21HK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 823	NCB21HK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 824	NCB21HK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 825	NCB21HK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 826	NCB21HK-122AY	C CAPACITOR	1200PF 10% 50V	
	C 827	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 828	QER41CM-476	E CAPACITOR	47MF 20% 16V	
	C 841	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	E
	C 851	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 871	QERF1HM-104ZN	E CAPACITOR	.10MF 20% 50V	
	C 881	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 891	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 892	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 911	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 912	QEKJ1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 913	QEKJ1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 921	NCF21CZ-105AY	C CAPACITOR	1.0MF +80:-20%	
	C 925	QERF1AM-476Z	E CAPACITOR	47MF 20% 10V	
	C 931	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 932	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 940	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 951	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 952	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 953	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 954	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 961	QEZ0337-228	E CAPACITOR	2200MF	
	C 962	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 963	QER41CM-476	E CAPACITOR	47MF 20% 16V	
	C 964	QER41AM-227N	E CAPACITOR	220MF 20% 10V	
	C 965	QER41AM-227N	E CAPACITOR	220MF 20% 10V	
	C 966	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 967	QER41CM-226	E CAPACITOR	22MF 20% 16V	
	C 968	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 970	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 971	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 977	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 978	QEKJ0JM-476Z	E CAPACITOR	47MF 20% 6.3V	
	C 982	QER41CM-226	E CAPACITOR	22MF 20% 16V	
	C 983	NCB21HK-473AY	C CAPACITOR	.047MF 10% 50V	
	C 991	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 992	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 993	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 994	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 995	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 996	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 997	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 998	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	CJ701	QNZ0007-001	CAR CONNECTOR		
	CN171	QGA2006C1-06	CONNECTOR		
	CN501	QGB1214J1-12S	CONNECTOR		
	CN502	QGB1214J1-14S	CONNECTOR		
	CP961	QNZ0002-001	16P CONNECTOR		
	D 1	1SS133T-91	SI DIODE		
	D 2	1SS133T-91	SI DIODE		
	D 3	MA152WK-X	SI DIODE		
	D 51	MTZJT-9110C	ZENER DIODE		
	D 101	1SS133T-91	SI DIODE		
	D 131	MA152WA-TX	DIODE		
	D 231	MA152WA-TX	DIODE		
	D 581	DSK10C-T1	DIODE		
	D 701	MTZJT-9111C	ZENER DIODE		
	D 702	MTZJT-915.6B	ZENER DIODE		
	D 703	MTZJT-916.2C	ZENER DIODE		
	D 704	MTZJT-915.6B	ZENER DIODE		
	D 705	MTZJT-915.6B	ZENER DIODE		
	D 706	MTZJT-915.6B	ZENER DIODE		
	D 707	MTZJT-916.2C	ZENER DIODE		

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 708	MTZJT-915.6B	ZENER DIODE		
	D 709	MTZJT-915.6B	ZENER DIODE		
	D 710	MTZJT-915.6B	ZENER DIODE		
	D 711	MTZJT-916.2C	ZENER DIODE		
	D 841	MA152WA-TX	DIODE		E
	D 881	MTZJT-916.2C	ZENER DIODE		
	D 951	1SS133T-91	SI DIODE		
	D 952	1SS133T-91	SI DIODE		
	D 953	MA152WK-X	SI DIODE		
	D 961	1N5401TU-15	DIODE		
	D 963	MA152WA-TX	DIODE		
	D 967	RB160L-40-X	SB DIODE		
	D 977	1SS133T-91	SI DIODE		
	D 978	MTZJT-9111C	ZENER DIODE		
	D 979	MTZJT-915.6B	ZENER DIODE		
	D 980	1SS133T-91	SI DIODE		
	D 989	MA152WK-X	SI DIODE		
	D 991	RB160L-40-X	SB DIODE		
	D 992	RB160L-40-X	SB DIODE		
	D 993	RB160L-40-X	SB DIODE		
	D 994	RB160L-40-X	SB DIODE		
	D 995	RB160L-40-X	SB DIODE		
	D 996	RB160L-40-X	SB DIODE		
	D 997	RB160L-40-X	SB DIODE		
	D 998	RB160L-40-X	SB DIODE		
	IC121	TDA8574T-T	IC		
	IC151	NJM4565M	IC		
	IC171	NJM4565M	IC		
	IC221	TDA8574T-T	IC		
	IC501	AN8806SB	IC		
	IC531	MN662748RPM	IC		
	IC561	BA6898FP-X	IC		
	IC562	BA6218	IC		
	IC701	UPD178018AGC518	IC		
	IC761	SAA6579T	IC		
	IC771	HD74HC126FP-X	IC		
	IC801	UPD78058YGC-W18	IC		
	IC802	24LC16BT-I-SN	IC		
	IC821	NJM2100MW	IC		
	IC851	HD74HC126FP-X	IC		
	IC881	NJM2904M	IC		
	IC911	TEA6320T-X	IC		
	IC941	TDA8568Q/S1	IC		
	IC961	BA4901A-V3	IC		
	J 1	QNZ0009-001	CAR ANT JACK		
	J 771	VMC0315-101	CONNECTOR		
	J 931	VMJ3023-101	PIN JACK		
	L 1	QQL244J-4R7Z	INDUCTOR		
	L 531	QQL244J-4R7Z	INDUCTOR		
	L 541	QQL244J-4R7Z	INDUCTOR		
	L 701	QQL244J-4R7Z	INDUCTOR		
	L 702	QQL244J-4R7Z	INDUCTOR		
	L 801	QQL244J-4R7Z	INDUCTOR		
	L 802	QQL244J-4R7Z	INDUCTOR		
	L 961	QQR0703-001	CHOKE COIL		

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	LA 1	EQF0201-006	B.P.FILTER		
	PL701	VGZ0001-042	LAMP		
	Q 1	UN2211	TRANSISTOR		
	Q 2	2SD601A(R)	TRANSISTOR		
	Q 3	2SD601A(R)	TRANSISTOR		
	Q 4	UN2111	TRANSISTOR		
	Q 5	2SB709A(Q)	TRANSISTOR		
	Q 6	2SB815B7-T-HL	TRANSISTOR		
	Q 51	2SD601A(R)	TRANSISTOR		
	Q 52	2SD601A(R)	TRANSISTOR		
	Q 53	2SD601A(R)	TRANSISTOR		
	Q 54	2SC3661	TRANSISTOR		
	Q 101	2SD601A(R)	TRANSISTOR		
	Q 102	UN2111	TRANSISTOR		
	Q 131	2SD1048X7T-HL	TRANSISTOR		
	Q 132	2SD1048X7T-HL	TRANSISTOR		
	Q 201	2SD601A(R)	TRANSISTOR		
	Q 231	2SD1048X7T-HL	TRANSISTOR		
	Q 232	2SD1048X7T-HL	TRANSISTOR		
	Q 501	2SB1322/RS/-T	TRANSISTOR		
	Q 583	2SB1322/RS/-T	TRANSISTOR		
	Q 751	UN2211	TRANSISTOR		
	Q 841	UN2211	TRANSISTOR		E
	Q 871	UN2211	TRANSISTOR		
	Q 921	UN2213-X	TRANSISTOR		
	Q 951	2SD601A(R)	TRANSISTOR		
	Q 961	2SB1322/RS/-T	TRANSISTOR		
	Q 962	2SB709A(Q)	TRANSISTOR		
	Q 963	UN2213-X	TRANSISTOR		
	Q 964	UN2111	TRANSISTOR		
	Q 965	UN2211	TRANSISTOR		
	Q 966	2SB709A(Q)	TRANSISTOR		
	Q 970	2SD601A(R)	TRANSISTOR		
	Q 977	UN2111	TRANSISTOR		
	Q 978	UN2211	TRANSISTOR		
	Q 979	UN2111	TRANSISTOR		
	Q 980	UN2211	TRANSISTOR		
	Q 981	2SB815B7-T-HL	TRANSISTOR		
	Q 982	UN2211	TRANSISTOR		
	Q 983	UN2211	TRANSISTOR		
	R 1	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 2	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 3	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 4	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 5	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 6	NRS181J-8R2NY	MG RESISTOR	8.2 5% 1/8W	
	R 7	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 8	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 9	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 10	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	J
	R 51	NRS181J-471NY	MG RESISTOR	470 5% 1/8W	
	R 52	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 53	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 54	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 55	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 56	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 57	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 58	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 59	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 101	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R 102	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	J
	R 102	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	E
	R 103	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 111	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 112	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 113	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 123	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 124	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 125	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 126	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 131	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 132	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 133	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 134	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 135	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 136	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 141	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 142	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 143	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 144	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 151	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 153	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 154	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 155	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 156	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 157	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 171	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 172	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 173	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 174	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R 175	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 176	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 177	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 178	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 179	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 201	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R 202	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	J
	R 202	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	E
	R 203	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 211	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 212	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 213	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 223	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 224	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 225	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 226	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 231	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 232	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 233	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 234	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 235	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 236	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 241	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 242	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 243	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 244	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 251	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 253	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 254	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 255	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 256	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 257	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 272	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 273	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 274	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R 275	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 276	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 277	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 501	NRSA02J-220NY	MG RESISTOR	22 5% 1/10W	
	R 502	NRSA02J-220NY	MG RESISTOR	22 5% 1/10W	
	R 503	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 504	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 505	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 506	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 507	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 508	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 509	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 510	NRSA02J-105NY	MG RESISTOR	1.0M 5% 1/10W	
	R 511	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 512	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 513	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 514	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 515	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
	R 516	NRSA02J-274NY	MG RESISTOR	270K 5% 1/10W	
	R 517	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 518	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 519	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 531	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 541	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 542	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 543	NRSA02J-105NY	MG RESISTOR	1.0M 5% 1/10W	
	R 544	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 545	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 546	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 548	NRSA02J-334NY	MG RESISTOR	330K 5% 1/10W	
	R 549	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 551	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 552	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 553	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 554	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 555	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 556	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 557	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 558	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 559	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 561	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 562	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 563	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	R 564	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 565	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 566	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	R 567	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 568	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 569	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 570	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 571	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 581	NRS181J-2R2NY	MG RESISTOR	2.2 5% 1/8W	
	R 582	NRS181J-2R2NY	MG RESISTOR	2.2 5% 1/8W	
	R 701	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 702	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 703	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 704	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 705	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 706	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 707	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 708	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 709	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 710	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 711	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 712	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 713	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 714	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 715	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 716	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 717	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 719	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 720	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 721	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 722	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 723	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 724	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 726	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	J
	R 727	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	E
	R 728	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 729	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 730	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 731	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 732	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 733	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 734	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 735	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 736	NRSA02J-391X	MG RESISTOR	390 5% 1/10W	
	R 737	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 738	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 739	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 740	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 741	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 742	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 743	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 744	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 745	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 755	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 761	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 762	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 763	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 764	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 772	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 773	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 774	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 775	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 776	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 777	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 778	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 779	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 781	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 782	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 801	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 802	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 803	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 804	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 805	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 806	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 807	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 808	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 809	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 810	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 811	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 812	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 813	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 815	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 821	QRD141J-102S	C RESISTOR	1.0K 1/1W	
	R 822	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 823	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 824	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 825	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 826	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 827	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 828	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 829	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 830	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 831	NRSA02J-820NY	MG RESISTOR	82 5% 1/10W	
	R 841	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	E
	R 842	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 851	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 852	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 853	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 854	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 855	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 856	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 857	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 858	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 859	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 860	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 861	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 862	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 871	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 881	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 882	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 891	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 892	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 893	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 894	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 895	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 911	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 912	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 921	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 951	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 952	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 953	NRSA02J-184NY	MG RESISTOR	180K 5% 1/10W	
	R 954	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 955	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 956	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 957	NRSA02J-274NY	MG RESISTOR	270K 5% 1/10W	
	R 961	QRD14DJ-470X	C RESISTOR	47 1/1W	
	R 962	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 963	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 964	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 965	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 969	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 970	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
	R 971	NRSA02J-752NY	MG RESISTOR	7.5K 5% 1/10W	
	R 977	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 981	NRS181J-471NY	MG RESISTOR	470 5% 1/8W	
	R 982	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 983	NRS181J-102NY	MG RESISTOR	1.0K 5% 1/8W	
	R 984	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 985	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 987	NRSA02J-ORONY	MG RESISTOR	5% 1/10W	
	R 988	NRS181J-1R8X	MG RESISTOR	1.8 5% 1/8W	
	R 989	NRSA02J-ORONY	MG RESISTOR	5% 1/10W	
	RM891	TH20-3H103FT	THERMISTOR		
	S 701	QSW0451-001	DETECT SWITCH	DETACH	
	S 702	QSW0450-002	DETECT SWITCH	OPEN	
	TU 1	QAU0066-001	TUNER		
	X 531	QAX0423-001Z	CRYSTAL		
	X 701	VCX5026-001Z	CRYSTAL		
	X 761	VCX5057-001	CRYSTAL		
	X 801	VCX5024-001	CRYSTAL		

■LCD Driver & Operation Switch Board

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 651	ECSTOJY-475R	TS E CAPACITOR		
	C 652	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 653	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 654	NCS21HJ-102AY	C CAPACITOR	1000PF 5% 50V	
	C 661	ECSTOJY-475R	TS E CAPACITOR		
	C 662	ECST1AY475R	TS E CAPACITOR		
	C 663	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 664	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 665	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 666	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 681	ECSTOJY-475R	TS E CAPACITOR		
	CP701	QNZ0006-001	CAR CONNECTOR		
	D 601	SML-210LT/LM/-X	LED		
	D 602	SML-210FT/JKL/W	LED		
	D 603	SML-210FT/JKL/W	LED		
	D 604	SML-210FT/JKL/W	LED		
	D 605	SML-210FT/JKL/W	LED		
	D 606	SML-210FT/JKL/W	LED		
	D 607	SML-210FT/JKL/W	LED		
	D 608	SML-210FT/JKL/W	LED		
	D 609	SML-210FT/JKL/W	LED		
	D 610	SML-210FT/JKL/W	LED		
	D 611	SML-210FT/JKL/W	LED		
	D 612	SML-210FT/JKL/W	LED		
	D 613	SML-210FT/JKL/W	LED		
	D 614	SML-210FT/JKL/W	LED		
	D 615	SML-210FT/JKL/W	LED		
	D 616	SML-210FT/JKL/W	LED		
	D 617	SML-210FT/JKL/W	LED		
	D 618	SML-210FT/JKL/W	LED		
	D 619	SML-210FT/JKL/W	LED		
	D 620	SML-210FT/JKL/W	LED		
	D 621	SML-210FT/JKL/W	LED		
	D 622	SML-210FT/JKL/W	LED		
	D 623	SML-210FT/JKL/W	LED		
	D 624	SML-210FT/JKL/W	LED		
	D 625	SML-210FT/JKL/W	LED		
	D 626	SML-210FT/JKL/W	LED		
	D 627	SML-210FT/JKL/W	LED		
	D 628	SML-210FT/JKL/W	LED		
	D 629	SML-210FT/JKL/W	LED		
	D 630	SML-020PDT-W	LED		E
	D 630	SML-020MV	LED		J
	D 631	SML-020MV	LED		J
	D 631	SML-020PDT-W	LED		E
	D 632	SML-020PDT-W	LED		E
	D 632	SML-020MV	LED		J
	D 641	NSPW310AS/B/	LED		
	D 642	NSPW310AS/B/	LED		
	D 643	NSPW310AS/B/	LED		
	D 644	NSPW310AS/B/	LED		
	D 651	MA152WK-X	SI DIODE		
	D 652	MA152WA-TX	DIODE		
	D 653	MA152WK-X	SI DIODE		
	D 654	MA152WA-TX	DIODE		

BLOCK NO. 02

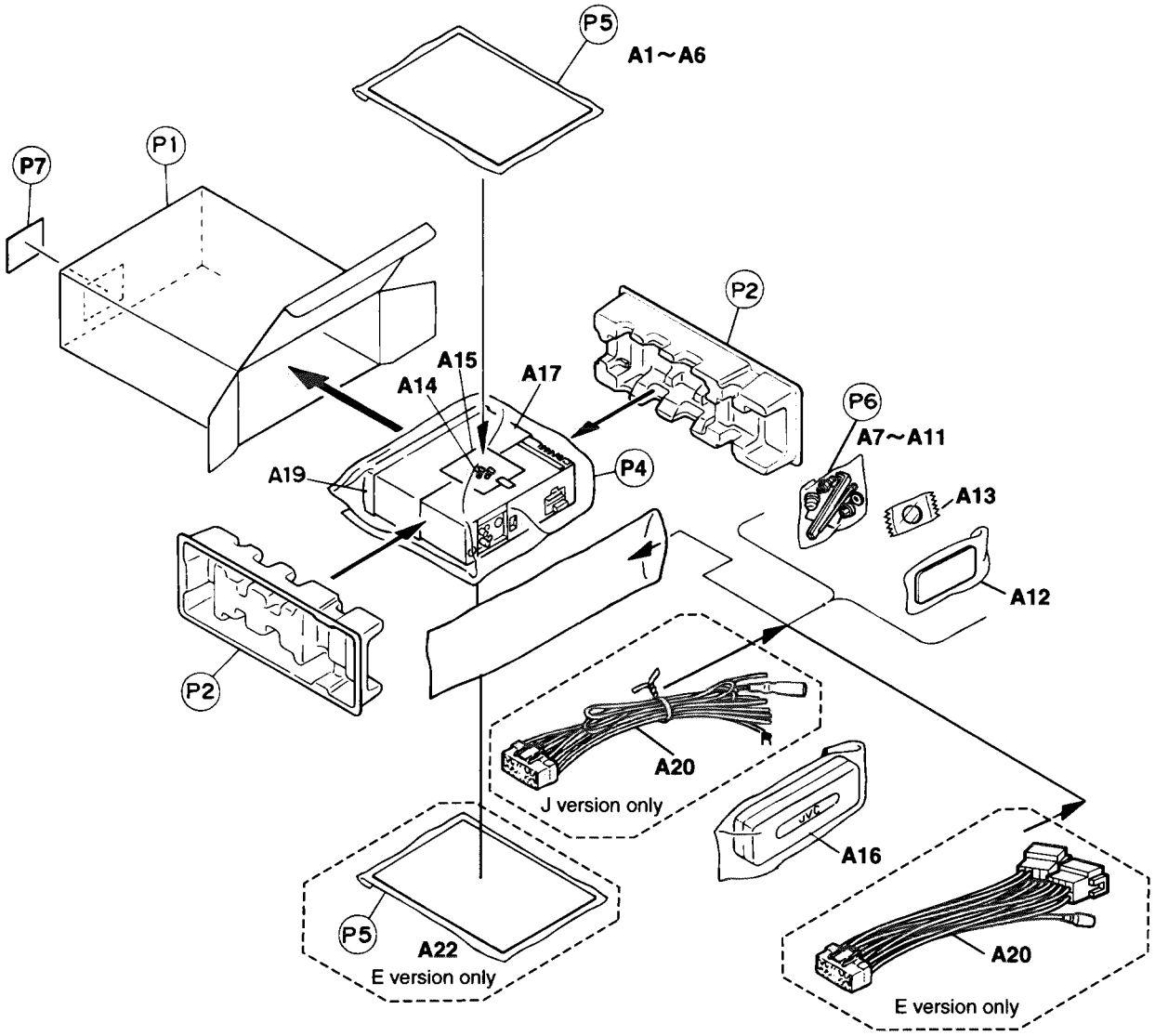
⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 655	MA152WK-X	SI DIODE		
	D 656	MA152WA-TX	DIODE		
	EN601	QSW0623-001	ROTARY ENCODER		
	IC601	LC75853W	IC		
	IC602	LC75811W	IC		
	IC681	RPM6938-SV4	IC		
	Q 601	2SA1037AKT146	CHIP TRANSISTOR		
	Q 602	2SA1037AKT146	CHIP TRANSISTOR		
	Q 603	2SA1037AKT146	CHIP TRANSISTOR		
	Q 604	UN2211	TRANSISTOR		
	Q 605	UN2211	TRANSISTOR		
	Q 606	UN2211	TRANSISTOR		
	R 601	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 602	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 603	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 604	NRSA02J-182NY	MG RESISTOR	1.8K 5% 1/10W	
	R 605	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 606	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 607	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 608	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 609	NRSA02J-182NY	MG RESISTOR	1.8K 5% 1/10W	
	R 610	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 611	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 612	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 613	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 614	NRSA02J-182NY	MG RESISTOR	1.8K 5% 1/10W	
	R 615	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 616	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 621	NRS181J-821NY	MG RESISTOR	820 5% 1/8W	
	R 622	NRS181J-221NY	MG RESISTOR	220 5% 1/8W	
	R 623	NRS181J-221NY	MG RESISTOR	220 5% 1/8W	
	R 624	NRS181J-221NY	MG RESISTOR	220 5% 1/8W	
	R 625	NRS181J-221NY	MG RESISTOR	220 5% 1/8W	
	R 626	NRS181J-221NY	MG RESISTOR	220 5% 1/8W	
	R 627	NRS181J-221NY	MG RESISTOR	220 5% 1/8W	
	R 628	NRS181J-331NY	MG RESISTOR	330 5% 1/8W	
	R 629	NRS181J-331NY	MG RESISTOR	330 5% 1/8W	
	R 630	NRS181J-331NY	MG RESISTOR	330 5% 1/8W	
	R 631	NRS181J-331NY	MG RESISTOR	330 5% 1/8W	
	R 632	NRS181J-331NY	MG RESISTOR	330 5% 1/8W	
	R 633	NRS181J-561NY	MG RESISTOR	560 5% 1/8W	
	R 634	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 635	NRS181J-561NY	MG RESISTOR	560 5% 1/8W	
	R 636	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 637	NRS181J-561NY	MG RESISTOR	560 5% 1/8W	
	R 638	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 639	NRS181J-561NY	MG RESISTOR	560 5% 1/8W	
	R 640	NRS181J-561NY	MG RESISTOR	560 5% 1/8W	
	R 641	NRS181J-561NY	MG RESISTOR	560 5% 1/8W	
	R 642	NRS181J-181NY	MG RESISTOR	180 5% 1/8W	
	R 643	NRS181J-181NY	MG RESISTOR	180 5% 1/8W	
	R 650	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 651	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 652	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 653	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 654	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 657	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 658	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 659	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 660	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 661	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 662	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 663	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 664	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 665	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 671	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 672	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 681	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 682	NRSA02J-470NYM	MG RESISTOR	47 5% 1/10W	
	S 661	NSW0039-001X	TACT SWITCH		
	S 662	NSW0039-001X	TACT SWITCH		
	S 663	NSW0039-001X	TACT SWITCH		
	S 664	NSW0039-001X	TACT SWITCH		
	S 665	NSW0039-001X	TACT SWITCH		
	S 666	NSW0039-001X	TACT SWITCH		
	S 667	NSW0039-001X	TACT SWITCH		
	S 668	NSW0039-001X	TACT SWITCH		
	S 669	NSW0039-001X	TACT SWITCH		
	S 670	NSW0039-001X	TACT SWITCH		
	S 671	NSW0039-001X	TACT SWITCH		
	S 672	NSW0039-001X	TACT SWITCH		
	S 673	NSW0039-001X	TACT SWITCH		
	S 675	NSW0039-001X	TACT SWITCH		
	S 676	NSW0039-001X	TACT SWITCH		
	S 677	NSW0039-001X	TACT SWITCH		
	S 678	NSW0039-001X	TACT SWITCH		
	S 679	NSW0039-001X	TACT SWITCH		
	S 680	NSW0039-001X	TACT SWITCH		

Packing Materials and Accessories List

Block No. M 3 M M
Block No. M 4 M M



■Packing Parts List

BLOCK NO. M3MM

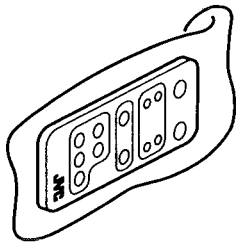
⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	P 1	VPC3874-S003	CARTON	FOR SET	1	E	
		VPC3874-S001	CACKING CASE		1	J	
	P 2	FSPH1014-001	PAPER CUSHION		2		
	P 4	VPE3005-066	POLY BAG		1		
	P 5	QPA01703505P	POLY BAG		2		
	P 6	QPA00801205	POLY BAG		1		
	P 7	----------	CARTON LABEL	CARTON(CODE39)	1		

■Accessories Parts List

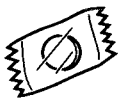
BLOCK NO. M4MM[][][]

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN3874-311S	INST.BOOK		1	E	
	A 2	VNN3874-T451S	INST MANUAL		1	E	
		VNN3874-T631S	INST MANUAL		1	J	
		VNN3874-T481S	INST MANUAL		1	E	
		VNN3874-T211S	INST MANUAL		1	E	
	A 3	BT-51009-3	W.CARD		1	J	
		BT-52001-4	W.CARD		1	J	
		BT-54008-1	W.CARD		1	E	
	A 4	BT-51015-1	SVC CENTER LIST		1	J	
		BT-20071B	SVC CENTER LIST		1	J	
	A 5	LV40632-001A	CAUTION SHEET		1	J	
	A 6	VND3050-002	IDENTITY CARD		1		
	A 7	VKZ4027-002	PLUG NUT		1		
	A 8	VKH4871-001	MOUNT BOLT		1		
	A 9	VKZ4328-001	LOCK NUT		1		
	A 10	WNS5000Z	WASHER		1		
	A 11	FSKL4010-002	HOOK		2		
	A 12	RM-RK24	REMOCON		1		
	A 13	QAB0014-001	BATTERY		1		
	A 14	VKZ4777-001	MINI SCREW	THEFT PREVENTIO	2		
	A 15	VND5114-001	SHEET	THEFT PREVENTIO	1		
	A 16	FSJB3001-00A	HARD CASE		1		
	A 17	FSKM2004-001	MOUNTING SLEEVE		1		
	A 19	VJD2513-001	TRIM PLATE		1		
	A 20	QAM0118-002	PINCABLE		1	E	
		QAM0119-002	16P CORD ASS'Y		1	J	
	A 22	VNN3874-632S	INSTRUCTIONS		1	J	
		VNN3874-321S	INSTRUCTIONS		1	E	
	KIT 1	KDGS717K-SCREW1	PARTS	KITA7-A11	1		
	KIT 2	KSRT626J-SCREW2	PARTS	KITA14,A15	1		

A12
: Remote control unit



A13 : Battery



SCREW KIT 1

A11
: Hook

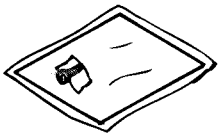
A10
:Washer

A7
: Plug nut

A8
: Mount bolt

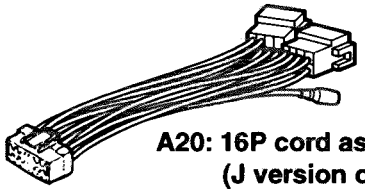
A9: Lock nut

SCREW KIT 2

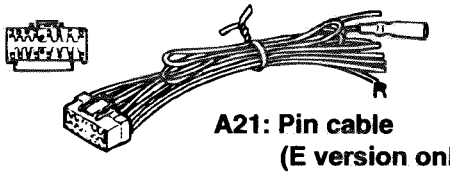


A14
: Screw

A15
: Sheet



A20: 16P cord ass'y
(J version only)



A21: Pin cable
(E version only)

KD-SX1000R J/E

JVC

VICTOR COMPANY OF JAPAN, LIMITED
MOBILE ELECTRONICS DIVISION,10-1,Chome,Ohwatari-machi,maebashi-city,Japan

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