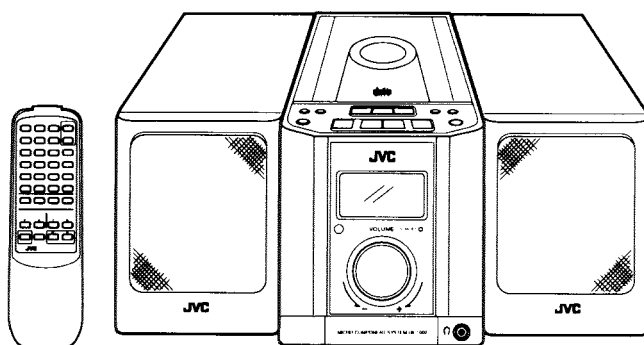


JVC

SERVICE MANUAL

ULTRA MICRO COMPONENT SYSTEM

UX-1000GR B/E/EN/G



COMPACT
disc
DIGITAL AUDIO

Area Suffix

B.....U.K.
E.....Continental Europe
EN.....North Europe
G.....Germany

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1. Safety Precautions

1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacture's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety - related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by (\triangle) on the schematic diagram and parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps , tubings, barriers and the like to be separated from live parts, high temperature parts, mpving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

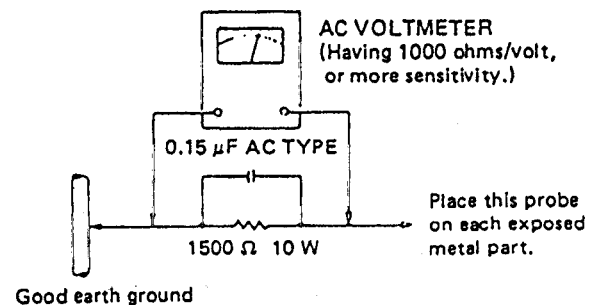
5. Leakage current check (Electrical shock hazard testing)

After re - assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. using a "Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC(r.m.s.)

• Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a 0.15 μ F AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

\triangle CAUTION

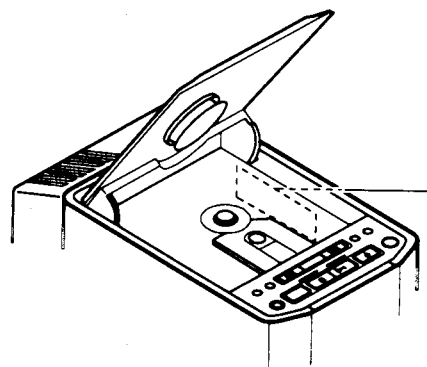
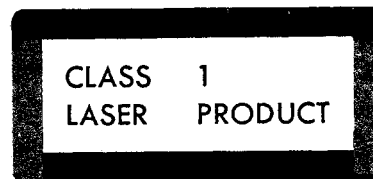
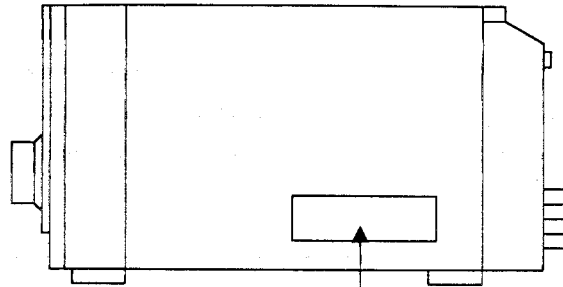
Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

2. Safety Precaution about UX – 1000GR

IMPORTANT FOR LASER PRODUCTS 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 rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. **CAUTION:** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD holder is open. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.
6. **CAUTION:** The laser is able to function, if safety switches out of function. The laser light is invisible, avoid exposure, do not disassemble the laser unit, but replace the complete unit.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgåudsattelse for stråling. (d)	VARNING: Osynlig laserstråling när denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)	VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)
--	--	--	---

IMPORTANT (In the U. K.)

Mains Supply (AC 230 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

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

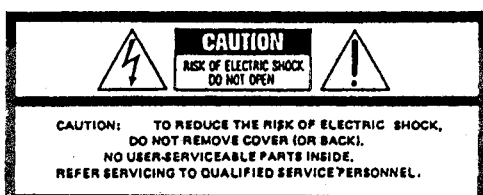


As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

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

IF IN DOUBT – CONSULT A COMPETENT ELECTRICIAN.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

■ Important management points regarding safety (Item demanding special safety precautions)

1. Power transformer marking : VTP66J2 – 12K

The torque of the screw driver for the power transformer must be controlled.

2. Concerning the AC socket, the next marking must be confirmed and to avoid print circuit board pattern damage.

The AC socket must not float from print circuit board.

•Marking HJC027

3. Concerning the primary terminal and the adjacent secondary terminal on the print circuit board to provide proper creeping and spatial distance, solder must not protrude from soldering round.

4. Before installation confirm the fuse capacity indication, (S) or mark on the holder.

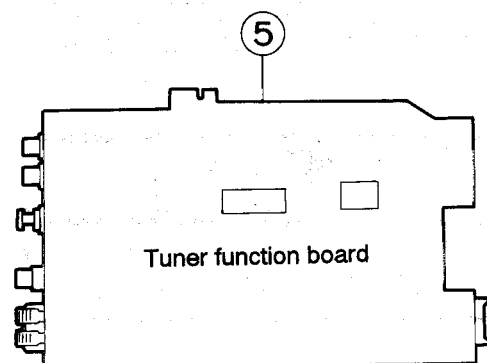
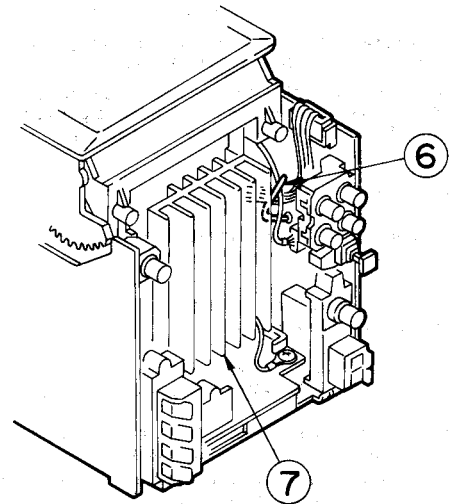
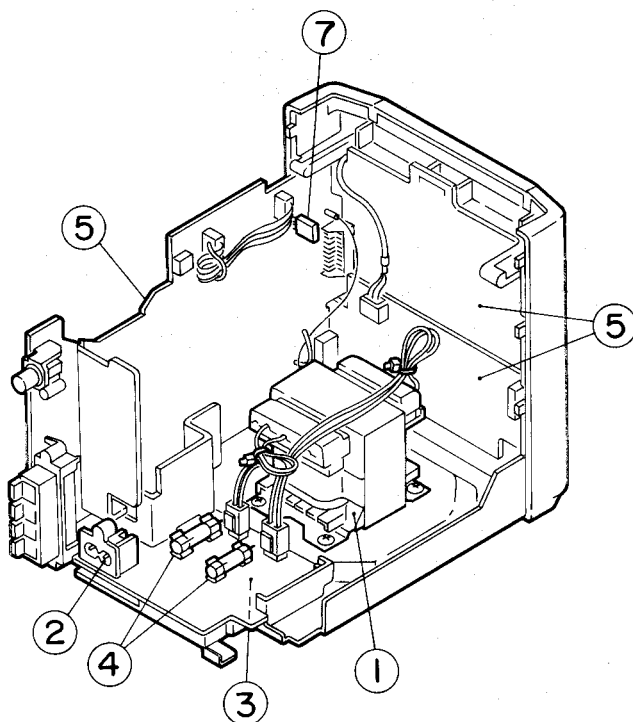
REF.NO	Capacity and mark	Indication on P.C.board	Version
F901	T400mA	T400mA	B/E/EN/G
F902	T6.3A	T6.3A	B/E/EN/G

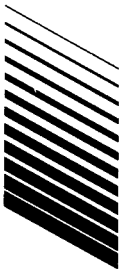
5. The parts on the pattern side of the printed circuit board must be fixed with spacers or bond.

6. Wires must be clamped or secured at the locations shown in the figure so that the wire do not touch to live parts, moving part, hot part, or sharp edges.

7. Following parts are controlled as the heated parts. confirm that the flammable parts are lifted up the parts in () must be controlled.

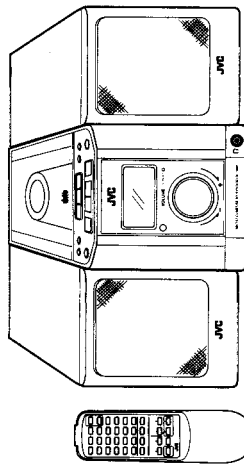
• IC901, IC31, Q9201, R1001, R1002, Heat sink, IC holder (For IC901, IC31), IC Holder +Diode





ULTRA MICRO COMPONENT SYSTEM SISTEMA DE MICROCOMPONENTES SISTEMA A MICROCOMPONENTI

UX-1000 E



COMPACT
disc
DIGITAL AUDIO

INSTRUCTIONS

ISTRUCCIONES
MANUALE DI ISTRUZIONI

UX - 1000GR B/E/EN/G

3. Instructions

ENGLISH

Thank you for purchasing this JVC product. Please read these instructions carefully before using the product to obtain the best performance and a longer service life from the unit.



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ESPAÑOL

Le agradecemos la adquisición de este producto de JVC. Por favor lea detenidamente las instrucciones de uso de esta unidad, la operación para obtener de esta unidad, la rendimiento optimo y una vida de servicio más larga.

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ITALIANO

Gratie per avere acquistato questo prodotto JVC. Si prega di leggere queste istruzioni con attenzione prima dell'uso per essere certi di ottenere le prestazioni ottimali ed una lunga durata dell'unità.

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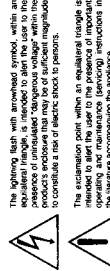
WARNING:
TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK, DO NOT EXPOSE
THIS APPLIANCE TO RAIN OR
MOISTURE.



IMPORTANT FOR LASER PRODUCTS

- PRECAUTIONS**
1. CLASS I 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 rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
 4. CAUTION: The CD player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD hood or CD tray is closed. It is dangerous to defeat the safety switches.
 5. CAUTION: Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.

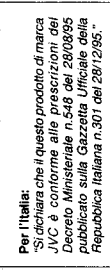
ADVERTENCIA:
PARA REDUCIR EL RIESGO DE
INCENDIO O DE CHOQUES
ELECTRICOS, NO EXPONGA ESTE
APARATO A LA LLUVIA O A LA
HUMEDAD.



IMPORTANTE PARA PRODUCTOS LASER

- PRECAUCIONES**
1. PRODUCTO LASER CLASE I
 2. PELIGRO: Radiación láser invisible cuando se abre, falla o se desactiva el encerramiento. Evite la exposición directa al rayo.
 3. PRECAUCIÓN: No abra la cubierta trasera. Dentro de la unidad no hay componentes que el usuario pueda reparar; deje toda reparación al personal de servicio cualificado.
 4. PRECAUCIÓN: El reproductor de CD utiliza radiación láser invisible y está equipado con interruptores de seguridad que evitan la emisión de radiación cuando la bandeja de CD o el compartimiento de CD está cerrado. Es peligroso desactivar los interruptores de seguridad.
 5. PRECAUCIÓN: La utilización de los controles de ajuste y de procedimientos que no estén especificados aquí, puede resultar en exposición a radiación peligrosa.

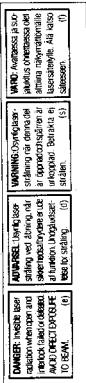
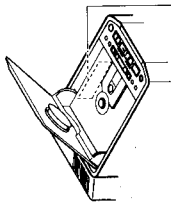
AVVERTENZA:
NON ESPORRE L'APPARECCHIO A
PIOGGIA O UMIDITÀ ONDE RIDURRE I
RISCHI DI FIAMME O SCOSSE
ELETTRICHE.



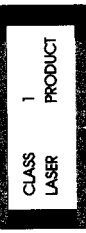
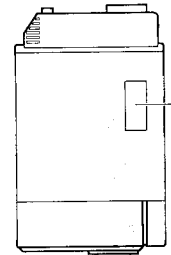
IMPORTANTI PRECAUZIONI PER PRODOTTI LASER

- PRECAUZIONI**
1. PRODOTTO LASER DI CLASSE I
 2. PERICOLO: Quando l'apparecchio è aperto ed i dispositivi di sicurezza non funzionano o sono stati disattivati, vengono prodotte invisibili radiazioni laser. Evitare l'esposizione diretta al raggio.
 3. ATTENZIONE: Non aprire la copertura posteriore. All'interno dell'unità non vi sono parti che possono interessare l'utente; fare eseguire qualsiasi intervento al personale di assistenza qualificato.
 4. ATTENZIONE: Il reproduttore CD utilizza radiazioni laser invisibili e dispone di interruttori di sicurezza per evitare l'emissione di tali radiazioni quando il piatto del CD è aperto. Non escludere tali interruttori di sicurezza in quanto ciò è pericoloso.
 5. ATTENZIONE: L'uso di comandi e procedure diversi da quanto specificato possono risultare nell'esposizione a radiazioni pericolose.

REPRODUCTION OF LABELS AND THEIR LOCATION

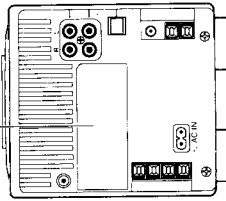


REPRODUCCION DE ETIQUETAS Y SU UBICACION



ETICHETTE E LORO POSIZIONE

Name/Rating plate
etichetta/Classe laser
Pastina/nome/caratteristica



- Do not modify the power cord in any manner. To avoid accidents, do not touch the screws to anything inside the unit, and do not touch anything inside the unit.
- Do not insert any metallic objects into the unit.
- Unplug the power cord when there is a possibility of lightning.
- If water gets inside the unit, unplug the power cord from the outlet and consult your dealer.
- Do not block the unit's ventilation holes that allow heat to escape.
- Do not install the unit in a badly ventilated area.
- Since this unit uses a motor-driven CD holder or CD tray, make sure that your hand or other object does not obstruct holder or tray movement.

- No modifique el cordón eléctrico de ninguna manera. Para evitar accidentes, no extraiga los tornillos para desarmar la unidad y no toque nada dentro de la misma.
- No inserte ningún objeto metálico dentro de la unidad.
- Desenchufe el cordón eléctrico cuando haya posibilidad de caída de rayos.
- Si se introduce agua dentro de la unidad, desconecte la unidad de la corriente eléctrica y consulte a su agente comercial que permitiesca la ventilación de la unidad que permitiesca el escape de calor.
- No instale la unidad en un lugar mal ventilado.
- Como esta unidad utiliza un portadisco o una bandeja de CD motorizado, asegúrese de que su mano u otro objeto no obstruya el movimiento del mismo.

- Non modificare il cavo di alimentazione in alcun modo.
- Per evitare incidenti, non rimuovere vite per smontare l'unità e non toccare alcun componente interno.
- Non inserire alcun oggetto metallico nell'unità.
- Staccare il cavo di alimentazione durante l'uso.
- Se l'acqua dovesse penetrare all'interno dell'unità, scollegare il cavo di alimentazione dalla presa di rete e consultare il proprio rivenditore.
- Non bloccare i fori per la ventilazione dell'unità che permettono la dissipazione del calore.
- Non installare l'unità in un luogo con ventilazione scadente.
- Dato che questa unità utilizza un piatto o caricatore de CD motorizzato, accertarsi di non ostacolare il movimento con una mano o un oggetto.

Obs:
Apparatien metalfre laser-
komponenter av højere laserklasse
an Klasse 1.

FEATURES

- CD-size micro component system consisting of 3 units
- Active Hyper-Bass PRO circuit for low-frequency sound reproduction
- One-touch operation (COMPU PLAY)
- 36-key remote control unit
- Multi-function CD play
- Repeat play of up to 20 tracks
- Random Play
- 2-band digital synthesizer tuner with 30-station (15 FM and 15 AM (MW/LW)) preset capability
- Seek/manual tuning
- Auto preset tuning
- Timer/on/off with preset volume function
- Sleep timer can be set for up to 120 minutes
- Dimmer button
- On/standby button
- Subwoofer output

CARACTERISTICAS

- Sistema de microcomponentes del tamaño de un CD, consistente de 3 unidades
- Circuito Active Hyper-Bass PRO para reproducción sonora de baja frecuencia
- Operación de un solo toque (COMPU PLAY)
- Reproductor de CD con funciones múltiples
- Reproducción programada hasta 20 pistas
- Repetición de reproducción
- Reproducción aleatoria
- Sintonizador sintetizador digital de 2 bandas con capacidad para presetización de 30 estaciones (15 de FM y 15 de AM (OM/LW))
- Sintonización búsqueda/manual
- Función de temporización (reloj) temporizador con función de volumen preestablecido
- El temporizador, desactivado, puede ser programado hasta un máximo de 120 minutos
- Botón atenuador
- Salida digital óptica
- Salida del altavoz de subgraves

CARATTERISTICHE

- Sistema a microcomponenti formato CD consistente di 3 unità
- Circuito Active Hyper-Bass PRO di nuova concezione per la riproduzione delle basse frequenze
- Funzionamento ad un tocco (COMPU PLAY)
- Unità di telecomando a 36 tasti
- Reproduzione programmata di fino a 20 brani
- Riproduzione casuale
- Sintonizzatore a sintonizzazione digitale a 2 bande con capacità di presetizzazione di 30 stazioni (15 FM e 15 AM (MW/LW))
- Sintonizzazione con preselezione automatica
- Funzione timer/orologio
- Funzione di attivazione e disattivazione via timer con preimpostazione del volume
- Il timer per lo spegnimento automatico può essere impostato per fino a 120 minuti
- Tasto illuminazione
- Uscita digitale ottica
- Uscita subwoofer

SAFETY PRECAUTIONS

- Prevention of Electric Shocks, Fire Hazards and Damage**
- STANDBY is a very small current will flow. To save power and for safety when not using the unit for an extended period of time, disconnect the power cord from the household AC outlet.
 - Do not handle the power cord with wet hands.
 - When unplugging from the wall outlet, always grasp and pull the plug, not the power cord.
 - Consult your nearest dealer when damage, disconnection, or contact failure affects the cord.
 - Do not bend the cord severely, or pull or twist it.

PRECAUCIONES DE SEGURIDAD

- Prevención de choques eléctricos, peligro de incendio y daños**
- El modo STANDBY consume una pequeña corriente eléctrica. Para ahorrar energía y por seguridad cuando no utilice esta unidad durante un largo periodo, desconecte el cordón eléctrico del tomacorriente de CA.
 - No manipule el cordón eléctrico con las manos mojadas.
 - Cuando lo desenchufe del tomacorriente de la pared, sujételo siempre por el enchufe, nunca por el cordón.
 - Al desconectar la unidad de la pared, asegúrese de que el enchufe se deslice suavemente fuera del contacto, nunca por el cordón.
 - No doble ni arrugue el cordón, no lo jalé del mismo ni lo torzale.

PRECAUZIONI PER LA SICUREZZA

- Prevenzione di scosse elettriche, fiamme e danni**
- Anche quando l'interruttore POWER si trova sulla posizione STANDBY, una piccola quantità di corrente continua a fluire. Per risparmiare energia e per ragioni di sicurezza, scollegare il cavo dell'alimentazione dalla presa di corrente CA quando si prevede di non utilizzare l'unità per un periodo prolungato.
 - Non maneggiare il cavo di alimentazione con mani bagnate.
 - Prima di svincolare la presa di rete, afferrare la presa, non il cavo.
 - Quando si svincola la presa di rete, assicurarsi che il cavo si stacchi facilmente dal contatto, non tirando il cavo.
 - Non piegare eccessivamente il cavo, non torcerlo e non trascinarlo.

HANDLING PRECAUTIONS



Do not use this unit in direct sunlight where it would be exposed to high temperatures above 40°C (104°F).

- Avoid installing in the following places
 - Where it could be subject to vibrations.
 - Where it is excessively humid, such as in a bathroom.
 - Where it could be magnetized by a magnet or speaker.
- Pay attention to dust
 - Be sure to close the CD holder or CD tray so that dust does not collect on the lens. Do not touch the lens.

PRECAUCIONES DE MANIPULACION



No utilice esta unidad bajo la luz directa del sol donde podría quedar expuesta a temperaturas superiores a 40°C.

- Evite instalar en los siguientes lugares
 - Donde pueda ser sujeta a vibraciones.
 - Donde haya humedad excesiva, tal como en un cuarto de baño.
 - Donde pueda ser magnetizada por un imán o altavoz.
- Atención al polvo
 - Antes de extraer el portadisco o compartimento de CD para que el polvo no se deposite sobre la lente. No toque la lente.

PRECAUZIONI PER L'USO



Non utilizzare questa unità in luoghi esposti alla luce solare diretta dove la temperatura può superare i 40°C.

- Evitare l'installazione nei luoghi seguenti
 - In luoghi dove l'unità può essere soggetta a vibrazioni.
 - In luoghi eccessivamente umidi come una toilette.
 - In luoghi dove l'unità può essere magnetizzata da un magnete o da un diffusore.
- Attenzione alla polvere
 - Accertarsi di chiudere il piatto del CD in modo che la polvere non si raccoglie sulla lente del pickup. Non toccare la lente del pickup.

Tasto POWER

Cuando el cavo de alimentación es conectado con una presa de red CA, el indicador de alimentación se ilumina en rojo para indicar el modo STANDBY. Cuando el tasto POWER viene premado, el indicador de alimentación se apaga y se enciende la pantalla de indicación.

Cuando esta unidad es conectada a una presa de corriente CA, essa consuma una piccola quantità di corrente per il funzionamento del telecomando e del timer o per il mantenimento della memoria del microprocessore anche quando il tasto POWER è impostato su STANDBY.

Botón POWER

Cuando se conecta el cordón eléctrico al tomacorriente de CA, el indicador de alimentación se enciende en rojo indicando el modo STANDBY. Cuando presiona el botón POWER, el indicador de alimentación se apaga y se enciende la pantalla de indicación.

Esta unidad consume una pequeña corriente cuando se la conecta a un tomacorriente de CA, para hacer funcionar el controlador remoto y el temporizador, o para apoyo de la memoria del microprocesador, aunque el botón POWER en STANDBY.

POWER button

When the power cord is connected to a household AC outlet, the power indicator lights in red indicating the STANDBY mode. When the POWER button is pressed, the power indicator goes out and the display window lights.

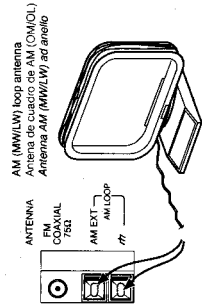
When this unit is plugged into an AC outlet, it consumes a small current to operate the remote control and the timer, or to support the microprocessor, even when the POWER button is set to STANDBY.

CONNECTIONS

- Do not switch the power on until all connections are completed.

Antenna connection and adjustment

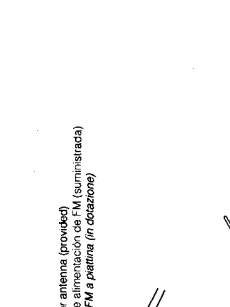
- AM (MW/LW) loop antenna adjustment



Insert in the direction of the arrow.
Inserire nella direzione della freccia.

- Keep the loop antenna away from the unit and install it so that the best reception is obtained. (Do not leave the antenna wire in a bundle.)
- Conserve la antenna de cuadro separada de la unidad e instálala de tal manera que se obtenga la mejor recepción. (No deje enrollado el cable de la antenna.)
- Tenere l'antenna ad anello lontana dall'unità ed installarla in modo da ottenere la migliore ricezione possibile. (Non lasciare avvitato il filo dell'antenna.)

• FM antenna connections and adjustments



- Use an outdoor antenna when stable reception cannot be obtained with the provided antenna.
- Cuando no sea posible obtener una recepción estable con la antenna suministrada, utilice una antenna exterior.
- Utilizzare una antenna esterna quando non è possibile ottenere una ricezione stabile per mezzo dell'antenna in dotazione.

Notes:

- Do not place the loop antenna on a metal desk or near a TV or personal computer.
- Installing an outdoor antenna requires expertise, we recommend that you consult an audio dealer.
- Install the antenna cord away from the power and speaker cords as these could generate noise. Do not install the loop antenna so that it touches the rear of the unit.

Note:

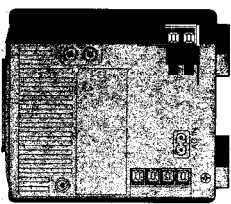
- Non installare l'antenna ad anello su di un tavolo metallico oppure nelle vicinanze di un computer o di un personal computer.
- L'installazione di una antenna esterna richiede esperienza; si raccomanda di consultare un rivenditore di apparecchiature audio.
- Installare il cavo dell'antenna lontano dai cavi di alimentazione e dai cavi dei diffusori in quanto questi potrebbero generare disturbi. Installare l'antenna ad anello in modo che non tocchi il retro dell'unità.

CONEXIONES

- No conecte la alimentación hasta haber completado todas las conexiones.

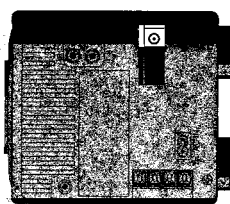
Conexión y ajuste de la antena

- Ajuste de la antena de cuadro para AM (OMIOL)



- Keep the loop antenna away from the unit and install it so that the best reception is obtained. (Do not leave the antenna wire in a bundle.)
- Conserve la antenna de cuadro separada de la unidad e instálala de tal manera que se obtenga la mejor recepción. (No deje enrollado el cable de la antenna.)
- Tenere l'antenna ad anello lontana dall'unità ed installarla in modo da ottenere la migliore ricezione possibile. (Non lasciare avvitato il filo dell'antenna.)

• FM antenna connections and adjustments



- Use an outdoor antenna when stable reception cannot be obtained with the provided antenna.
- Cuando no sea posible obtener una recepción estable con la antenna suministrada, utilice una antenna exterior.
- Utilizzare una antenna esterna quando non è possibile ottenere una ricezione stabile per mezzo dell'antenna in dotazione.

Notes:

- Do not place the loop antenna on a metal desk or near a TV or personal computer.
- Installing an outdoor antenna requires expertise, we recommend that you consult an audio dealer.
- Install the antenna cord away from the power and speaker cords as these could generate noise. Do not install the loop antenna so that it touches the rear of the unit.

Note:

- Non installare l'antenna ad anello su di un tavolo metallico oppure nelle vicinanze di un computer o di un personal computer.
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- Installare il cavo dell'antenna lontano dai cavi di alimentazione e dai cavi dei diffusori in quanto questi potrebbero generare disturbi. Installare l'antenna ad anello in modo che non tocchi il retro dell'unità.

3. Condensación

En los siguientes casos, puede producirse condensación dentro de la unidad y en consecuencia la unidad no funcionará correctamente:

- En una sala donde haya un calentador encendido.
- En un lugar donde haya humo o gran humedad.
- Cuando se traslada rápidamente la unidad de una sala fría a una templada.

En estos casos, coloque el botón POWER en ON (conectado) y espere 1 o 2 horas antes de utilizarla.

4. Ajuste del volumen

Los productos de CD producen muy poco ruido comparados con las fuentes analógicas. Si ajusta el nivel de volumen para estas fuentes, es posible que los altavoces sean dañados por el incremento brusco del nivel de salida. Por ello, reduzca el volumen antes de la operación y ajústelo como desee durante la reproducción.

5. Mecanismo de seguridad

Esta unidad posee un mecanismo de seguridad que apaga y enciende el rayo láser cuando se abre el compartimiento de CD, el rayo láser se apaga automáticamente.

6. No coloque cassettes de cinta, etc., próximos a los altavoces

Como hay imanes en los altavoces, no coloque cintas o tarjetas magnéticas sobre los mismos, ya que los datos grabados pueden ser borrados.

7. Mantenga esta unidad lejos de su TV

Si el gabinete se encuentra limpiado con un paño suave y seco. Nunca utilice bencina o solventes ya que estos pueden dañar la terminación de la superficie.

8. Limpieza del gabinete

Si el gabinete se encuentra limpiado con un paño suave y seco. Nunca utilice bencina o solventes ya que estos pueden dañar la terminación de la superficie.

9. No escuchar con auriculares

Porque podrían dañarse sus oídos.

3. Condensation

In the following cases, condensation may occur in the unit when the unit may not operate correctly:

- In a room where a heater has just been switched on.
- In a place where there is smoke or high humidity.
- When the unit is moved directly from a cold to a warm room.

In these cases, set the POWER button to ON and wait 1 or 2 hours before use.

4. Adjust volume

CDs produce very little noise compared with analog sources. If the volume level is adjusted for these sources the speakers may be damaged by the sudden increase of output level. Therefore, lower the volume before operation and adjust it as required during play.

5. Safety mechanism

This unit incorporates a safety interlock mechanism which switches the laser beam off and on, so that when the CD holder or CD tray is open, the laser beam stops automatically.

6. Do not place cassette tapes, etc. near the speakers

Since there are magnets in the speakers, do not place tapes or magnetic cards on them as recorded data could be erased.

7. Keep this unit away from your TV

When this unit is used near a TV, the TV picture could be distorted. If this happens, move this unit away from the TV. If this does not improve the picture, avoid using this unit when the TV is turned on.

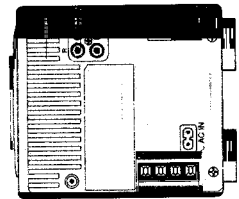
8. Cleaning the cabinet

If the cabinet gets dirty, wipe it with a soft dry cloth. Never use benzine or thinner as these could damage the surface finish.

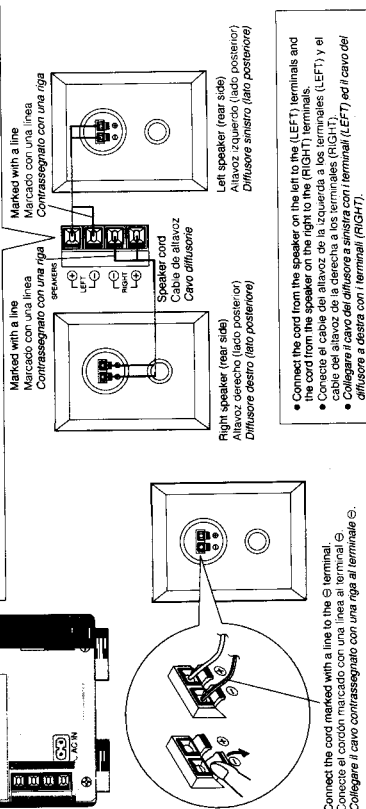
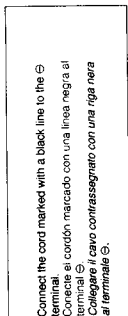
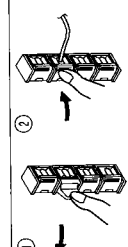
9. When listening with headphones

Do not listen at high volumes as this could damage your hearing.

Speaker cord connection



Conexión de los cordones de los altavoces



Connect the cord marked with a line to the \ominus terminal.
Conecte el cordón marcado con una línea al terminal \ominus .
Collegare il cavo contrassegnato con una linea al terminale \ominus .

Marked with a line
Marcado con una línea
Contrassegnato con una linea

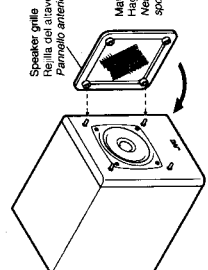
Right speaker (rear side)
Altavoz derecho (lado posterior)
Diffusore destro (lato posteriore)

Left speaker (rear side)
Altavoz izquierdo (lado posterior)
Diffusore sinistro (lato posteriore)

- The speaker grilles can be removed.
- When removing:
1. Insert your fingers at the top and pull towards you.
2. Also pull the bottom towards you.

- Las rejillas de los altavoces pueden ser extraídas.
- Cuando las extraiga:
1. Inserte los dedos en la parte superior y tire también hacia abajo el botón hacia usted.

- Il pannello anteriore dei diffusori può venire tolto.
- Per toglierlo:
1. Inserire le dita in alto e tirare verso di sé.
2. Tirare anche il fondo verso di sé.



Match the fittings when attaching the grille.
Haga coincidir los enchufes cuando coloque la rejilla.
Accoppiare i connettori, badare a che le spargenole corrispondano con i fori.

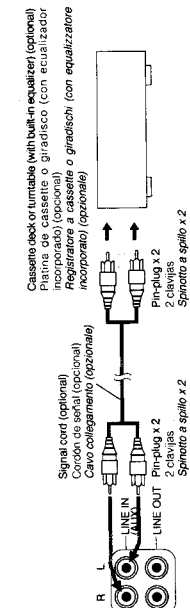
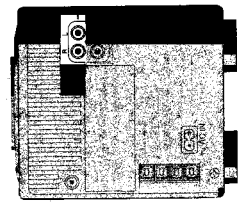
- The polarity of the two connected speakers will be the same if the speaker cords marked with a black line are connected to the \ominus terminals. If the speakers are connected with polarities reversed, stereo effect and tone will be degraded.
- The speakers of this unit are not magnetically shielded. When they are placed directly on or adjacent to a TV, the TV's picture could be distorted. Install your TV speakers more than 20 cm away from your TV.
- If the speakers are to be placed away from the main unit, purchase optional speaker cords from an audio store.
- When connecting the speaker cord make sure that the wire core, not the insulating cover, is connected to the speaker terminal. Otherwise, sound cannot be heard.

- La polaridad de los dos altavoces conectados es la misma si los cables para altavoz, marcados con la línea negra son conectados a los terminales \ominus . Si se conectan los altavoces con las polaridades invertidas, se degradará el efecto estéreo y el tono.
- Los altavoces de esta unidad no están blindados magnéticamente. Cuando se los coloca directamente o adyacentes a un TV, la imagen puede ser distorsionada. Instale los altavoces a más de 20 cm de distancia de su TV.
- Si los altavoces van a ser colocados lejos de la unidad principal, adquiere los cordones opcionales para altavoces en una tienda de audio.
- Cuando conecta el cordón del altavoz, asegúrese de que el núcleo del cable, y no la cubierta aislante, se conecte al terminal de la bocina. De lo contrario no se escuchará sonido.

- La polarità dei diffusori collegati è la stessa se i loro cavi contrassegnati da una riga nera vengono collegati ai terminali \ominus . Se i diffusori vengono collegati con le polarità invertite, l'effetto stereofonico ed i toni possono degradarsi. In questa unità non sono schermati magneticamente. Se essi vengono installati sopra a o in prossimità di un televisore, l'immagine potrebbe venire distorta. Installare i diffusori a più di 20 centimetri dal televisore.
- Se si intende installare i diffusori in una posizione lontana dall'unità, acquistare cavi audio opzionali presso un rivenditore di apparecchiature audio.
- Nei collegare i cavi dei diffusori, controllare che sia l'anima in rame del cavo, non l'isolante a fare presa nel terminale. La riproduzione risulta altrimenti impossibile.

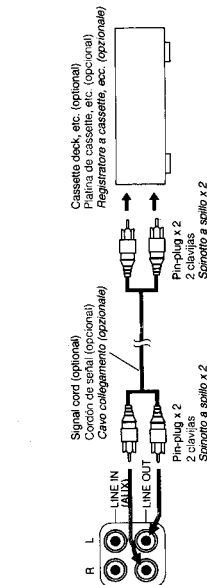
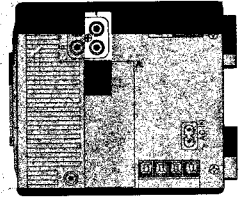
Connection of external audio units

- Connection with a cassette deck or turntable, etc. (Line Input (AUX))
It is possible to connect an external cassette deck or turntable to this unit and play back sound from these sources.



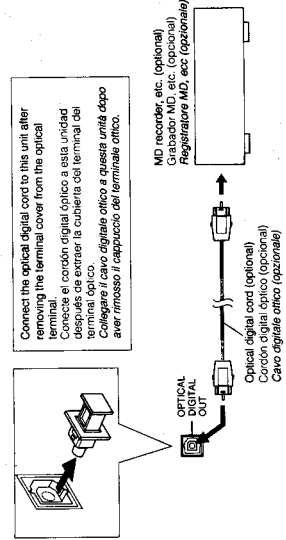
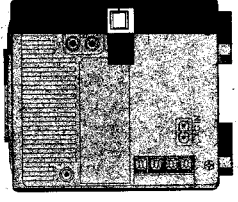
- Connection with a cassette deck, etc. (Analog output)
When recording from this unit's CD player or external MD recorder, etc. that is equipped with an optical output terminal, connect the cord from this unit's line out terminals to the input terminals of the cassette deck, etc.

- Conexión con una platina de cassette, etc. (Salida analógica)
Cuando se graba desde el reproductor de CD o de la radio en esta unidad en una platina externa de cassette, etc. conecte el cordón de los terminales de salida de esta unidad a los terminales de entrada de la platina de cassette, etc.



- Connection with an MD recorder, etc. (Digital output)
It is possible to transmit a digital sound signal from the CD player of this unit directly to an external MD recorder, etc. that is equipped with an optical input terminal. Connect the digital output terminal to the optical input terminal of the MD recorder, etc.

- Conexión con un grabador MD, etc. (Salida digital)
Es posible transmitir una señal de sonido digital desde el reproductor de CD a una unidad grabadora MD externa, etc. que esté equipada con un terminal de entrada óptica. En este caso, conecte el cordón del terminal de salida digital óptica de esta unidad de CD al terminal de entrada óptica del grabador MD, etc.



Conexión de unidades externas de audio

- Conexión con una platina de cassette o giradiscos, etc. (Entrada de línea) (AUX)
Es posible conectar a la platina externa de cassette o giradiscos, a esta unidad y reproducir el sonido de estas fuentes.

Collegamento di componenti esterni

- Collegamento con un registratore a cassette o un giradischi, ecc. (Ingresso di linea) (AUX)
È possibile collegare a questa unità e quindi riprodurre il suono prodotto da queste fonti.

Conexión con un grabador MD, etc. (salida digital)

- Es posible transmitir una señal de sonido digital desde el reproductor de CD a una unidad grabadora MD externa, etc. que esté equipada con un terminal de entrada óptica. En este caso, conecte el cordón del terminal de salida digital óptica de esta unidad de CD al terminal de entrada óptica del grabador MD, etc.

Collegamento con un registratore MD, ecc. (uscita digitale)

- È possibile trasmettere il segnale digitale del reproductor de CD a una unità registratore MD esterno, ecc. fornito di un terminale di ingresso ottico. In questo caso, collegare l'uscita digitale ottica del lettore CD al terminale di ingresso ottico del registratore MD, ecc.

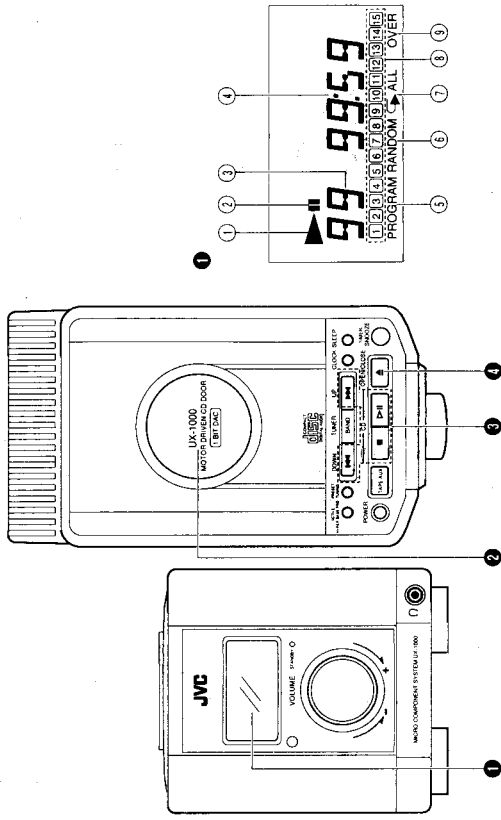
NOMI E FUNZIONI DELLE PARTI

NOMBRES DE LAS PARTES Y SUS FUNCIONES

NAMES OF PARTS AND THEIR FUNCTIONS

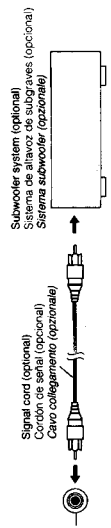
Sección del reproductor de CD

CD player section



- Finestra display**
- 1 Indicatore di riproduzione (▶)
 - 2 Indicatore di pausa (⏸)
 - 3 Display funzione/numero brano
 - 4 Display tempo di riproduzione
 - 5 Indicatore modo programmazione (PROGRAM)
 - 6 Indicatore riproduzione casuale (RANDOM)
 - 7 Display riproduzione ripetuta (≡ ALL)
 - 8 Display lauda musicale
 - 9 Indicatore OVER
- Piatta CD**
- 1 Tasti funzionamento lettore CD
 - 2 Tasto arresto/cancellazione (■)
 - 3 Premere questo tasto per interrompere la riproduzione di un CD o per cancellare la riproduzione programmata. Questo tasto imposta anche il modo del CD.
 - 4 Premere questo tasto per riprogrammare la riproduzione.
 - 5 Tasti CD SEARCH (◀▶)
 - 6 Premere questi tasti per localizzare l'inizio di un brano o per avviare le operazioni di ricerca in avanti/indietro.
 - 7 Tasto apertura/chiusura piatto CD (⬆)
 - 8 (OPEN/CLOSE)
- Ventilata di indicación**
- 1 Playback indicator (▶)
 - 2 Indicator (⏸) de reproducción
 - 3 Función/Track number display
 - 4 Play time display
 - 5 Program mode indicator (PROGRAM)
 - 6 Indicator de reproducción aleatoria (RANDOM)
 - 7 Display reproducción repetida (≡ ALL)
 - 8 Display lauda musical
 - 9 Indicator OVER
- CD operation buttons**
- 1 Stop/clear button (■)
 - 2 Compartmento del CD
 - 3 Botones para operación del CD
 - 4 Botón (■) de parada/borrado.
 - 5 Presione para detener la reproducción de un disco o cancelar la reproducción programada. Este también activa el modo de CD (>▶) de reproducción/pausa.
 - 6 Presione para reprogramar un disco o para interrumpir temporalmente la reproducción.
 - 7 Botones (◀▶) de búsqueda
 - 8 Presione para ubicar el principio de un pista o para iniciar las operaciones de búsqueda hacia adelante/hacia atrás.
 - 9 Botón (⬆) de apertura/cierre (OPEN/CLOSE) del compartimento del CD
- Display window**
- 1 Playback indicator (▶)
 - 2 Pause indicator (⏸)
 - 3 Function/Track number display
 - 4 Play time display
 - 5 Program mode indicator (PROGRAM)
 - 6 Repeat play indicator (≡ ALL)
 - 7 Random play indicator (RANDOM)
 - 8 Caender display
 - 9 OVER indicator
- CD holder**
- 1 Stop/clear button (■)
 - 2 CD compartment
 - 3 Buttons for CD operation
 - 4 Stop/clear button (■)
 - 5 Press to stop playing a CD or cancel programmed play. This also sets the CD mode.
 - 6 Press to play a CD or to stop temporarily.
 - 7 Press to locate the beginning of a track or to interrupt forward/reverse search operations.
 - 8 CD holder (⬆) OPEN/CLOSE button

- Per eseguire questo collegamento è necessario un cavo digitale opzionale (facoltativo). Vedere il manuale di istruzioni del registratore MD, ecc., per ulteriori dettagli.
- Collegamento con un sistema subwoofer (Uscita subwoofer) È possibile collegare un sistema subwoofer esterno JVC, ecc., a questa unità.
- Conexión con un sistema de altavoz de subgraves (Salida del altavoz de subgraves) Es posible conectar un sistema JVC de altavoz de subgraves externo, etc. a esta unidad.



Note: Even when headphones are connected to the unit, sound from the subwoofer is not cut off. If you wish to listen to sound from the headphones only, turn off the subwoofer's power or turn down its volume, or disconnect the subwoofer's cord.

Note: Aunque los audífonos estén conectados a la unidad, el sonido del altavoz de subgraves no se silencia. Si usted desea escuchar el sonido proveniente de los audífonos solamente, desconecte la alimentación del altavoz de subgraves o baje el volumen del mismo, o desconecte el cordón del altavoz de subgraves.

Note: Il subwoofer funziona anche se si usano cuffie. Perché faccia, spegnere, abbassare il volume o scollegare il cavo.

Note: En relación a la conexión de unidades externas y sus operaciones, refiérase a las instrucciones suministradas con esas unidades.

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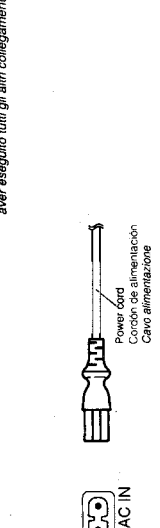
ALIMENTAZIONE

ALIMENTACION

Collegamento del cavo di alimentazione CA

Conexión del cordón de CA

- Collegare il cavo di alimentazione CA dopo aver eseguito tutti gli altri collegamenti.
- Conecte el cordón de CA después de haber terminado todas las conexiones.



PRECAUZIONI:

1. UTILIZZARE SOLO IL CAVO DI ALIMENTAZIONE JVC IN DOTAZIONE A QUESTA UNITÀ PER EVITARE DISFUNZIONI O DANNI ALL'UNITÀ STESSA.
2. ACCERTARSI DI SCOLLEGARE IL CAVO DI ALIMENTAZIONE DALLA PRESA DI PLETINUMO INVAZIO, ANCHE SE PREVEDE DI NON UTILIZZARE L'UNITÀ PER UN PERIODO PROLUNGATO.

PRECAUTIONS:

1. ONLY USE WITH JVC POWER CORD PROVIDED WITH THIS UNIT TO AVOID MALFUNCTION OR DAMAGE TO THE UNIT.
2. BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE UNIT IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

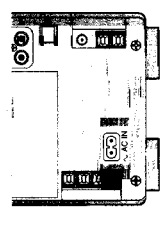
Note: Quando si verifica un'interruzione di corrente oppure, quando il cavo di alimentazione CA viene scollegato, l'impostazione del timer/orologio viene cancellata dalla memoria. Reimpostare l'orologio quando l'alimentazione viene riattivata.

Note: Cuando hay un corte de energía eléctrica o cuando se desconecta el cordón de alimentación CA, el ajuste del temporizador/reloj se borra de la memoria. Reponerlo el reloj cuando se restaura el suministro eléctrico.

POWER SUPPLY

Connection of AC power cord

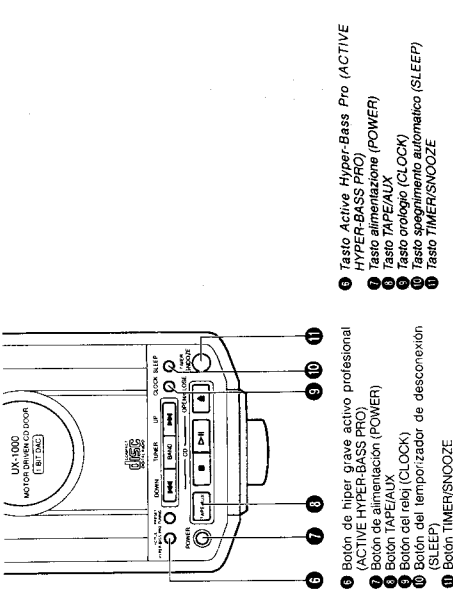
- Connect the AC power cord after all other connections have been made.



CAUTIONS:

1. ONLY USE WITH JVC POWER CORD PROVIDED WITH THIS UNIT TO AVOID MALFUNCTION OR DAMAGE TO THE UNIT.
2. BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE UNIT IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

Note: When there is a power failure or the AC cord is disconnected, the timer/clock setting is erased from memory. Reset the clock when the power supply is restored.



- Sección del sintonizador**
- 1 Ventanilla de indicación
 - 2 Indicador de banda
 - 3 Indicador de frecuencia de radio
 - 4 Indicador monodónico (MONO)
 - 5 Indicador estéreo (STEREO)
 - 6 TUNING (de presintonización) (PRESET)
 - 7 Botones arriba/abajo de sintonización (UP/DOWN)
 - 8 Botón sintonizador/banda (TUNER/BAND)
 - 9 Presiónelo para seleccionar el modo de sintonizador.
 - 10 Presiónelo para seleccionar la banda.
- Sección general**
- 1 Display window
 - 2 Band indicator
 - 3 Radio frequency display
 - 4 MONO indicator
 - 5 STEREO indicator
 - 6 TUNING (UP/DOWN)
 - 7 TUNER/BAND indicator
 - 8 Press to select tuner mode.
 - 9 Press to select the band.

- Tuner section**
- 1 Display window
 - 2 Band indicator
 - 3 Radio frequency display
 - 4 MONO indicator
 - 5 STEREO indicator
 - 6 TUNING (UP/DOWN)
 - 7 TUNER/BAND indicator
 - 8 Press to select tuner mode.
 - 9 Press to select the band.
- General section**
- 1 Display window
 - 2 Timer mode indicator (ON/OFF)
 - 3 BASS/ACTIVE HYPER-BASS PRO indicator
 - 4 CLOCK indicator
 - 5 SLEEP indicator
 - 6 SNOOZE indicator
 - 7 Time display
 - 8 Bass/Treble level display
 - 9 Remote sensor section
 - 10 VOLUME control knob
 - 11 Power STANDBY indicator
 - 12 Headphones jack (Ø 3.5 mm dia. stereo mini).
 - 13 Connect headphones (impedance 16Ω to 1 kΩ) to this jack. Speaker sound is automatically switched off when the headphones are connected.

- Sección sintonizadora**
- 1 Finestrella display
 - 2 Indicador de banda
 - 3 Display frecuencia
 - 4 Indicador mono (MONO)
 - 5 Indicador estereo (STEREO)
 - 6 TUNING (de presintonización) (PRESET)
 - 7 Tasti sintonizzazione altobasso (UP/DOWN)
 - 8 Tasto sintonizzatore/banda (TUNER/BAND)
 - 9 Premere questo tasto per selezionare il modo di sintonizzatore.
 - 10 Premere questo tasto per selezionare la banda.
- Sezione generale**
- 1 Finestrella display
 - 2 Indicatore timer (ON/OFF)
 - 3 Indicatore Active Hyper-Bass Pro (BASS)
 - 4 Indicatore SLEEP (CLOCK)
 - 5 Display orario
 - 6 Display livello volume
 - 7 Display livello bassi/acuti
 - 8 Manopola VOLUME (STANDBY)
 - 9 Indicatore di apparecchio in attesa
 - 10 Presa cuffie (Ø 3.5 mm dia. stereo mini).
 - 11 Collegare le cuffie (impedenza da 16Ω a 1 kΩ) a questa presa. Il suono dei diffusori viene automaticamente quando le cuffie vengono collegate.

- Sección sintonizadora**
- 1 Finestrella display
 - 2 Indicador de banda
 - 3 Display frecuencia
 - 4 Indicador mono (MONO)
 - 5 Indicador estereo (STEREO)
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- UNITA' DI TELECOMANDO**
- Preparativi prima dell'uso**
- **Installazione delle batterie nel telecomando**
 1. Rimuovere il coperchio del vano batterie dal retro del telecomando.
 2. Inserire due batterie di formato "R6/AA (1.5V)".
 3. Inserire le batterie con i terminali (+) e (-) orientati come indicato all'interno del vano stesso.
 - **Reinstallare il coperchio.**
 - **Sostituzione batterie**
Quando il funzionamento dell'unità di telecomando è intermittente oppure quando la distanza utile diminuisce, sostituire le batterie.
- Uso dell'unità di telecomando**
- Puntare l'unità verso la sezione del sensore del telecomando ed utilizzarla entro un'area di 7 metri.
 - Il campo di utilizzo del telecomando è inferiore quando l'unità viene utilizzata da una posizione angolata.
 - Non esporre la sezione del sensore del telecomando alla luce solare diretta o a una forte illuminazione artificiale.
 - Accertarsi che non vi siano ostacoli tra la sezione del sensore del telecomando e l'unità di telecomando.

- UNITAD DE CONTROL REMOTO**
- Preparativos antes usarla**
- **Instalación de las pilas en la unidad de control remoto**
 1. Extraiga la tapa de las pilas de la parte trasera de la unidad de control remoto.
 2. Inserte dos pilas de tamaño "R6/AA (1.5V)".
 3. Inserte las pilas con la indicación (+) e (-) del compartimento de las pilas.
 - **Recoloque la tapa.**
 - **Reemplazo de las pilas**
Cuando el funcionamiento del controlador remoto se vuelve inestable o la distancia dentro de la cual actúa se reduce, reemplace las pilas.
- Utilización de la unidad de control remoto**
- Apuntelo a la sección del sensor remoto y posea dentro de los 7 m.
 - El alcance del control remoto es menor cuando se lo usa en ángulo.
 - No exponga la sección del sensor remoto a la luz directa del sol o a una fuerte iluminación artificial.
 - Asegúrese de que no haya obstáculos entre la sección del sensor remoto y el control remoto.

- REMOTE CONTROL UNIT**
- Preparation before use**
- **Installing batteries in the remote control unit**
 1. Remove the battery cover from the back of the remote control unit.
 2. Insert two "R6/AA (1.5V)" size batteries.
 3. Insert the batteries with the (+) and (-) terminals indicating the indication inside the battery compartment.
 - **Replace the cover.**
 - **Battery replacement**
When the remote control operation becomes unstable or the distance from which remote control is possible decreases, replace the batteries.
- Using the remote control unit**
- Point at the remote sensor section and operate within about 7 m (approx. 23 ft).
 - The remote range is less when the unit is used at an angle.
 - Do not expose the remote sensor section to strong direct sunlight or artificial lighting.
 - Make sure that there are no obstacles between the remote sensor section and the remote control unit.

- UNITA' DI TELECOMANDO**
- Preparativi prima dell'uso**
- **Installazione delle batterie nel telecomando**
 1. Rimuovere il coperchio del vano batterie dal retro del telecomando.
 2. Inserire due batterie di formato "R6/AA (1.5V)".
 3. Inserire le batterie con i terminali (+) e (-) orientati come indicato all'interno del vano stesso.
 - **Reinstallare il coperchio.**
 - **Sostituzione batterie**
Quando il funzionamento dell'unità di telecomando è intermittente oppure quando la distanza utile diminuisce, sostituire le batterie.
- Uso dell'unità di telecomando**
- Puntare l'unità verso la sezione del sensore del telecomando ed utilizzarla entro un'area di 7 metri.
 - Il campo di utilizzo del telecomando è inferiore quando l'unità viene utilizzata da una posizione angolata.
 - Non esporre la sezione del sensore del telecomando alla luce solare diretta o a una forte illuminazione artificiale.
 - Accertarsi che non vi siano ostacoli tra la sezione del sensore del telecomando e l'unità di telecomando.

ACCESSIONE E SPENNIMENTO

CONEXION/DESCONEXION DE LA ALIMENTACION

SWITCHING THE POWER ON/OFF

Le operazioni seguenti possono essere eseguite utilizzando l'unità di telecomando.

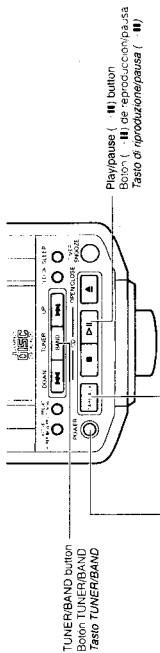
- Controllare con attenzione le funzioni dei tasti ed utilizzare quest'ultimi in modo corretto.

Las siguientes operaciones deben ser ejecutadas utilizando la unidad de control remoto.

- Compruebe detalladamente el funcionamiento de los botones de operación y opérelas correctamente.

The following operations can be performed using the remote control unit.

- Check the operation button functions carefully and operate them correctly.



Accensione e spegnimento dell'unità

Conexión/ desconexión de la alimentación

Switching the power on/off

Accensione:
The STANDBY indicator goes out. Se enciende el visor de indicación L'indicatore STANDBY si spegne. Il display si illumina.

Spegnimento:

Desconexión:
The STANDBY indicator lights. La luz del visor de indicación se apaga y solo queda indicado el reloj. L'indicatore STANDBY si illumina. La luce della finestrella display si spegne e rimane visibile il solo orologio.

Operación de un solo toque (COMPU PLAY)

Operazione di un solo tocco (COMPU PLAY)

One touch operation (COMPU PLAY)

Even when the power is set to STANDBY, pressing the button shown below switches on the power and selects the source.

Function mode	Operazioni
CD	When this button is pressed with a CD loaded, CD playback begins. Quando se preme questo bottone facendo un CD caricato, comincia la riproduzione del CD. Se questo tasto viene premuto, la riproduzione del CD ha immediatamente inizio.
TUNER BAND	When this button is pressed, the tuner is engaged. Quando se preme questo bottone, si attiva il sintonizzatore. Se questo tasto viene premuto, il sintonizzatore si accende.
TAPE/AUX	A sound source connected to the LINE IN (AUX) terminal can be engaged. È possibile attivare una fonte di suono che è collegata al terminale LINE IN (AUX). Può attivare una sorgente di segnale collegata al terminale LINE IN (AUX).

When the OPEN/CLOSE button is pressed, the sound source does not switch, but the CD holder can open or close.

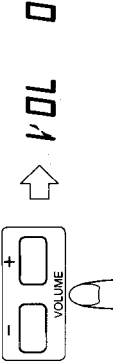
Notes:
• When switching off the power, be sure to press the POWER button.
• The COMPU PLAY button on the remote control has the same function as that on the main unit.

VOLUME, TONE AND OTHER CONTROLS

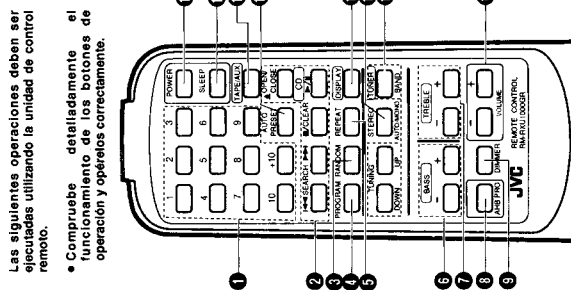
VOLUME, TONO Y OTROS CONTROLES

VOLUME, TONI ED ALTRI COMANDI

VOLUME buttons (using the remote control unit)
+ : Use to increase the volume.
- : Use to decrease the volume.
(Control range from VOL 0 to VOL 50.)



Tasti VOLUME (con l'unità di telecomando)
+ : Per aumentare il volume.
- : Per diminuire il volume.
(Gamma controllo volume da VOL 0 a VOL 50.)



- Track number buttons (No. 1 to No. 10, +10)
- Pre-set station buttons (No. 1 to No. 10, +10)
- CD holder (A) OPEN/CLOSE button
- Play/pause button (B) (M)
- Stop (C) CLEAR button
- SEARCH (D) (E) (F) buttons
- RANDOM play button
- PROGRAM button
- REPEAT play button
- BASS buttons (+, -)
- TREBLE buttons (+, -)
- (Control range from -6 to 6.)
- ACTIVE HYPER-BASS (AHB) PRO button
- DIMMER button
- SLEEP button
- TAPE/AUX button
- AUTO PRESET button
- DISPLAY button
- STEREO MONO button
- RANDOM button
- Press to select tuner mode.
- Press to select the band.
- Tuning buttons (UP/DOWN)
- VOLUME buttons (+, -)

- Tasti numeri di brano (dal No. 1 al No. 10, +10)
- Stazioni preimpostate (dal No. 1 al No. 10, +10)
- Tasti funzionamento lettore CD
- Tasto apertura/chiusura piatto CD (A)
- Tasto riproduzione/pausa (B) (M)
- Premio per riprodurre un CD o per interrompere temporaneamente la riproduzione.
- Tasti arresto/cancellazione (C) CLEAR
- Tasti ricerca (SEARCH) (D) (E) (F)
- Tasto programmazione (PROGRAM)
- Tasto riproduzione ripetuta (REPEAT)
- Tasti bassi (BASS) (+, -)
- Tasti alti (TREBLE) (+, -)
- (Gamma controllo da -6 a 6.)
- Tasto Active Hyper-Bass Pro (ACTIVE HYPER-BASS (AHB) PRO)
- Tasto DIMMER
- Tasto SLEEP
- Tasto TAPE/AUX
- Tasto presintonizzazione automatica (AUTO PRESET)
- Tasto display (DISPLAY)
- Utilizzato per visualizzare l'orologio corrente, STEREO MONO
- Tasti funzionamento sintonizzatore
- Tasto sintonizzatore/banda (TUNER/BAND)
- Premere questo tasto per selezionare il modo del sintonizzatore.
- Premere questo tasto per selezionare la banda.
- Tasti sintonizzazione alto/basso (UP/DOWN)
- Tasti VOLUME (+, -)

- Non utilizzare mai diluente, benzina, liquido pulente per dischi o spray antistatici.

- Nunca utilize solvente, gasolina, limpiador de discos o aerosol antiestático.

- Never use thinner, benzine, record cleaner or antistatic spray.

Handling

- Manipolazione
- Maneggio

Cleaning

- Limpieza
- Pulizia

Storage

- Rimuovere il CD from its storage case and loading it into the CD player.
- Extraer el CD de su estuche y cargarlo en el lector de discos.
- Remove the CD from its storage case and load it into the CD player.
- Extraer el CD de su estuche y cargarlo en el lector de discos.

Press the center and lift out.

- Presione el centro y levántelo.
- Premere il centro e sollevarlo.

Press to secure the CD.

- Presione para asegurar el CD.
- Premere per fissare il CD.

Incorrect

- Incorrecto
- Scorretto

Correct

- Correcto
- Corretto

PLAYING CDS

REPRODUCCION DE CD

RIPRODUZIONE DI CD

Playing an entire CD
The indicator lights up when playing an entire CD. The indicator lights up when playing an entire CD with 12 tracks and a total playing time of 48 minutes 57 seconds.

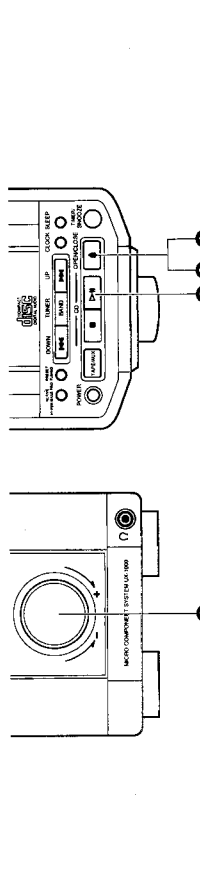
Reproducción de un CD completo
El símbolo de reproducción de un CD completo aparece cuando se ha colocado un CD con 12 pistas y un tiempo total de reproducción de 48 minutos y 57 segundos.

Riproduzione di un intero CD
L'esempio seguente per la riproduzione di un intero CD considera un CD con 12 brani ed un tempo di riproduzione totale di 48 minuti e 57 secondi.

Operate in the order shown

Opere in the order mostrato

Eseguire le operazioni nell'ordine indicato



- 1 Press to open the CD holder. (The power is switched on.)
- 2 Load a CD with the label side facing up and close the CD holder.
- 3 Press to start play.
- 4 As tracks are played, their track numbers appear on the display.

- 1 Presione para abrir el compartimiento del CD. (La alimentación está conectada.)
- 2 Coloque un CD con la etiqueta apuntando hacia arriba y cierre el compartimiento del CD.
- 3 Presione para iniciar la reproducción.
- 4 A medida que las pistas son reproducidas, sus números se borran uno por uno.

- 1 Premere il tasto per aprire il piatto del CD. (L'alimentazione viene attivata).
- 2 Inserire un CD col lato etichettato in alto e chiudere il cassetto del CD.
- 3 Premere il tasto per l'avvio della riproduzione.
- 4 Quando i brani vengono riprodotti, i loro numeri scompaiono uno alla volta.

Note:
When the CD holder is closed by pressing the button, the CD starts as soon as the CD holder is closed.

Nota:
Quando se cierra el compartimiento del CD presionando el botón, la unidad comienza a reproducir el primer tan pronto como se cierra el compartimiento del CD.

Nota:
Quando il piatto del CD viene chiuso premendo il tasto, la riproduzione del CD si avvia non appena il piatto è chiuso.

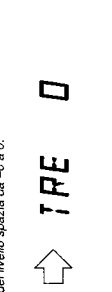
• 8-cm (3") CDs can be used in this unit without an adaptor.

• Los CD de 8-cm pueden ser usados con esta unidad sin necesidad de adaptador.

• La riproduzione di CD da 8 cm non richiede l'uso di alcun adattatore.

• Quando l'alimentazione viene attivata, il volume viene aumentato gradualmente dal livello 0 (zero) al livello utilizzato prima di disattivare l'alimentazione stessa. Quando il volume viene aumentato, il display mostra il livello del tasto VOLUME o della manopola di controllo interrompe la dissolvenza.

Tasti BASS/TREBLE (con l'unità di telecomando)
Per impostare il livello dei bassi o degli acuti, premere il tasto BASS o TREBLE. L'impostazione del livello spazia da -6 a 6.



Tasto ACTIVE HYPER-BASS PRO
ON: L'indicatore a BASS si illumina. Quando si preme il tasto BASS, si attiva la funzione Active Hyper-Bass Pro.
OFF: L'indicatore BASS si spinge. Selezionare questa impostazione per disattivare la funzione Active Hyper-Bass Pro.

Tasto DIMMER (con l'unità di telecomando)
• Quando l'alimentazione è attivata, la pressione di questo tasto attenua l'illuminazione del display. Quando il tasto viene premuto nuovamente, il display ritorna al livello di illuminazione normale.
• Quando l'alimentazione è disattivata, premere questo tasto quando si desidera vedere la visualizzazione dell'orologio, il display si illumina leggermente e si spegne dopo 10 secondi. (L'alimentazione viene disattivata).
• Entro i 10 secondi, tutti i tasti, esclusi i tasti con funzionamento ad un tocco ed il tasto TIMER/SNOOZE, non funzionano.

• Quando se conecta la alimentación, el sonido se escucha gradualmente desde el nivel de volumen 0 (zero), al nivel usado antes de desconectar la alimentación. (Mientras el modo de atenuación VOLUME se activa, el display muestra el nivel de control, interrumpe la atenuación).

Botones BASS/TREBLE (usando el mando a distancia)
Para ajustar el nivel de grave o agudo, presione el botón correspondiente. El ajuste de nivel va de -6 a 6.

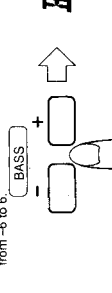


Botón de hiper graves activos profesionales (ACTIVE HYPER-BASS PRO)
ON: Se enciende el indicador BASS. Cuando se presiona el botón BASS, se activa el modo hiper grave activo profesional.
OFF: Se apaga el indicador BASS. Conque en esta posición, cuando no desee escuchar el sonido de hiper grave activo profesional.

Botón DIMMER (usando el mando a distancia)
• Cuando se conecta la alimentación, el presionar el botón reduce la luz del visor de indicación. Si presiona el botón otra vez, el visor de indicación vuelve a su brillo normal.
• Cuando la alimentación está desconectada, cuando usted desee ver la indicación del reloj, presione este botón, se encenderá el visor de indicación con brillo moderado, y después de 10 segundos se apagará. (La alimentación está desconectada).
• Dentro de esos 10 segundos ningún otro botón que no sean los botones de operación de un solo toque y el botón TIMER/SNOOZE funciona.

• When the power is switched on, the sound is faded in from volume level 0 (zero) to the level used before the power is switched off. (While the fade in mode is engaged, operating the VOLUME buttons or control knob interrupts fading.)

BASS/TREBLE buttons (using the remote control unit)
To set the bass or treble level, press the corresponding button. The level setting ranges from -6 to 6.



ACTIVE HYPER-BASS PRO button
ON: The BASS indicator lights up. Set to this position to activate ACTIVE HYPER-BASS PRO sound.
OFF: The BASS indicator goes out. Set to this position to deactivate ACTIVE HYPER-BASS PRO sound is not required.

DIMMER button (using the remote control unit)
• When the power is switched on, pressing this button dims the display window's light. When the button is pressed again, the display window returns to its normal brightness.
• When the power is switched off, when you want to look at the clock display, press this button; the display window lights up with subdued brightness, and after 10 seconds, will go out. (The power is switched off).
• Within those 10 seconds, all buttons except one touch operation buttons and TIMER/SNOOZE button do not function.

MANEGGIO DEI CD

1. CD utilizzabili
Utilizzare solo CD recanti il marchio indicato.
2. Note sul maneggio dei CD
• Non toccare la superficie registrata
• Non incollare o scrivere alcunché sul lato etichettato.
• Non piegare i CD.
3. Conservazione
• Dopo aver rimosso un CD dall'unità, accertarsi di riporlo nella sua custodia.
• Non esporre i CD alla luce solare diretta, a temperature elevate, ad umidità elevata o a polvere.
4. Pulizia CD
• Prima di inserire un CD, pulire polvere, sporco o impronte digitali con un panno morbido. I CD devono essere puliti strofinando radialmente, dal centro verso il bordo.

MANIPULACION DE CD

1. CD utilizables
Utilice CD con la marca indicada.
2. Notas sobre manipulación de CD
• No toque la superficie grabada reflejante.
• No pegue ni escriba nada sobre el lado etiquetado.
• No doble los CD.
3. Almacenamiento
• Después de extraer un CD de la unidad, asegúrese de colocarlo otra vez en su caja.
• No exponga los CD a la luz directa del sol, altas temperaturas provenientes de un calentador, etc., alta humedad, o polvo.
4. Limpieza de CD
• Antes de colocar un CD, limpie el polvo, suciedad o huellas digitales con un paño suave. Los CD deben ser limpiados radialmente desde el centro hacia el borde.

HANDLING CDS

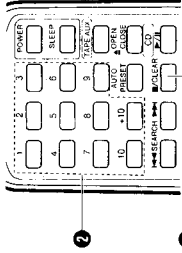
1. Usable CDs
Use CDs with the mark shown.
2. Notes on handling CDs
• Do not touch the reflective recorded surface.
• Do not stick or write anything on the label side.
• Do not bend CDs.
3. Storage
• After removing a CD from the unit, be sure to put it back in its case.
• Do not expose CDs to direct sunlight, high temperatures from a heater, etc., high humidity, or dust.
4. Cleaning CDs
• Before loading a CD, wipe off any dust or fingerprints with a soft cloth. CDs should be cleaned by soft cloth from the center to the edge.

Riproduzione ad accesso diretto (utilizzando l'unità di telecomando)

- La pressione di uno qualsiasi dei tasti del numero del brano avvia la riproduzione dall'inizio del brano designato senza dover premere il tasto ►. (Questa funzione non può essere utilizzata durante la riproduzione programmata).

Reproducción por acceso directo (utilizando la unidad de control remoto)

- Si presiona cualquiera de los botones de número de pista la reproducción se iniciará desde el principio de la pista escogida, sin que tenga que presionar el botón ►. (Esta función no puede ser usada durante la reproducción programada.)



Direct access play (using the remote control unit)

- Pressing any of the track number buttons will start play from the beginning of the designated track. (This function cannot be used during programmed play.)

Per l'interruzione nel mezzo di un CD

- Premere il tasto arresto/cancellazione (■) per interrompere la riproduzione.

Para detener la reproducción de un CD en la mitad de la misma

- La unidad indica el número total de pistas y el tiempo total de reproducción.



To stop a CD temporarily

- Press the ► button to stop play temporarily. (The "II" indicator lights). When pressed again, play resumes from the point where it was paused.



Para parar un CD temporalmente

- Presione el botón ► para detener temporalmente la reproducción. (El indicador "II" se enciende). Si lo presiona otra vez, la reproducción continúa desde el punto donde se efectuó la pausa.

Per interrompere temporaneamente la riproduzione del CD

- Premere il tasto ► per interrompere temporaneamente la riproduzione (l'indicatore "II" si illumina). Quando il tasto viene premuto nuovamente, la riproduzione riprende dalla posizione dove era stata interrotta.

Para cambiar CD, presione el botón (■) de cancelación (■), controlando que el CD abbia parado de girar antes de volverlo.

- Quando non è stato inserito alcun CD, l'indicazione "NO DISC" viene visualizzata nel display. Questa indicazione può apparire anche quando un CD viene inserito capovolta.

Notes:

- When no CD is loaded, "NO DISC" is indicated in the display window. This indication may also appear when a CD is loaded upside down.

Per cambiare il CD, premere il tasto arresto/cancellazione (■), controllando che il CD abbia smesso di girare prima di girare prima di estrarlo.

- Quando non è stato inserito alcun CD, l'indicazione "NO DISC" viene visualizzata nel display. Questa indicazione può apparire anche quando un CD viene inserito capovolta.

Notes:

- When no CD is loaded, "NO DISC" is indicated in the display window. This indication may also appear when a CD is loaded upside down.

Per designare i numeri di brano da 1 a 10, premere il tasto numerico corrispondente al numero del brano.

- Per designare il numero 11, o un numero maggiore, premere il tasto ►10 per il numero 11. Per designare il numero 20, premere il tasto ►10 una volta, e poi il tasto ►10 una seconda volta.

Notes:

- To designate track numbers 1 to 10, press the track number button corresponding to the track number.

Per saltare ad un altro brano durante la riproduzione

- Quando il tasto del numero di brano desiderato viene premuto, il display indica il numero di brano designato e la riproduzione inizia da tale brano.

Para saltar a otra pista durante la reproducción

- Cuando presiona el número de pista deseada, la indicación muestra el número de la pista y se inicia la reproducción desde el principio de la pista designada.

Per ascoltare il brano successivo...

- Premere una volta il tasto ►► per saltare all'inizio del brano successivo.

Per ascoltare il brano precedente...

- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

Riproduzione con salto

- Durante la riproduzione, è possibile saltare all'inizio del brano successivo, o al principio del brano o al principio di riproduzione di un brano precedente.

Para escuchar la próxima pista...

- Presione una vez el botón ►► para saltar al principio de la próxima pista.

Riproduzione con ricerca (per localizzare una determinata posizione sul CD)

- La posizione desiderata può essere localizzata utilizzando la ricerca rapida in avanti o all'indietro durante la riproduzione di un CD.

Para escuchar la próxima pista...

- Presione una vez el botón ►► para saltar al principio de la próxima pista.

Notes:

- Tenere premuto il tasto ►► per saltare all'inizio del brano successivo, e quindi aumentare gradualmente la velocità.

Notes:

- Mantenga premuto il tasto ►► per saltare all'inizio del brano successivo, e quindi aumentare gradualmente la velocità.

Per ascoltare il brano precedente...

- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

Para escuchar el sonido de la pista anterior...

- Presione dos veces rápidamente para saltar al principio de la pista anterior.

Per ascoltare il brano precedente...

- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

To listen to the next track...

- Press the ►► button once to skip to the beginning of the next track.

To listen to the previous track...

- Press the ►◄ button to skip to the beginning of the track being played.

Search play (to locate the required position on the CD)

- The required position can be located using fast-forward/reverse search while playing a CD.

Notes:

- Hold down the button; search play starts slowly and then gradually increases in speed.

Per ascoltare il brano precedente...

- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

Per ascoltare il brano precedente...

- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

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Per ascoltare il brano precedente...

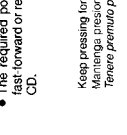
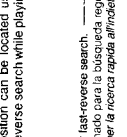
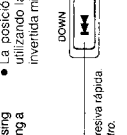
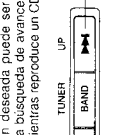
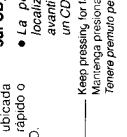
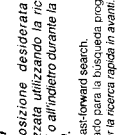
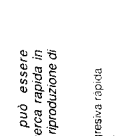
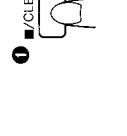
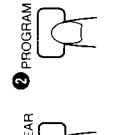
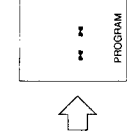
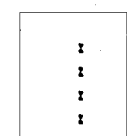
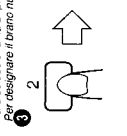
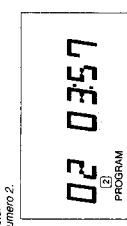
- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

Per ascoltare il brano precedente...

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Per ascoltare il brano precedente...

- Premere il tasto ►◄ per saltare all'inizio del brano precedente.

Random play (using the remote control unit)

Press the RANDOM button, and all tracks on a CD play once in random order.

Reproducción aleatoria (utilizando la unidad de control remoto)

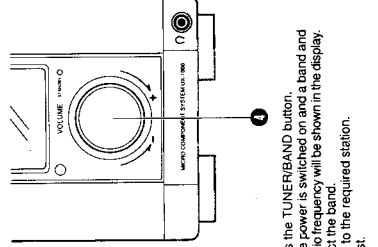
Para reproducir una vez todas las pistas de un CD, aleatoriamente, presione el botón RANDOM.

Riproduzione casuale (utilizzando l'unità di telecomando)

Premere il tasto RANDOM e tutti i brani di un CD vengono riprodotti una volta in ordine casuale.

RADIO RECEPTION

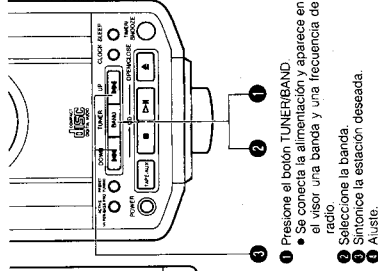
Operate in the order shown



- 1 Press the TUNER BAND button.
- 2 The power is switched on and a band and radio frequency will be shown in the display.
- 3 Select the band.
- 4 Tune to the required station.
- 5 Adjust.

RADIORRECEPCION

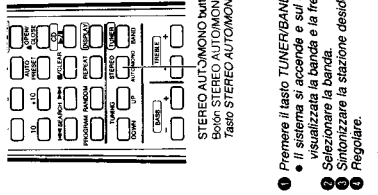
Operate en el orden mostrado



- 1 Presione el botón TUNER BAND.
- 2 Se conecta la alimentación y aparece en el visor una banda y una frecuencia de radio.
- 3 Seleccione la banda.
- 4 Sintonice la estación deseada.
- 5 Ajuste.

RICEZIONE CON LA RADIO

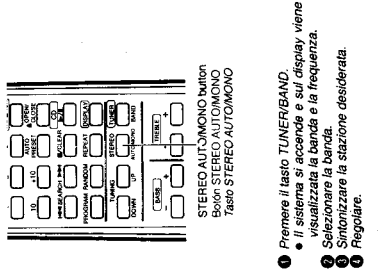
Eseguire le operazioni nell'ordine indicato



- 1 Premere il tasto TUNER BAND.
- 2 Il sistema si accende e sul display viene visualizzata la banda e la frequenza.
- 3 Selezionare la banda.
- 4 Sintonizzare la stazione desiderata.
- 5 Regolare.

STEREO AUTOMONO

Impostare questa posizione quando si ascolta FM e disturbata.



- Il sistema si accende e sul display viene visualizzata la banda e la frequenza.
- Selezionare la banda.
- Sintonizzare la stazione desiderata.
- Regolare.

STEREO AUTOMONO button (using the remote control unit)

Set to this position when listening to or recording an FM stereo broadcast. The STEREO indicator lights when the FM stereo broadcast is received.

- Colóquelo en esta posición cuando escucha o graba una radiodifusión estereofónica de FM. El indicador STEREO se enciende cuando se recibe una radiodifusión estereofónica de FM.
- Coloque-lo en esta posición cuando escucha o graba una radiodifusión estereofónica de FM. El indicador STEREO se enciende cuando se recibe una radiodifusión estereofónica de FM.

Tasto STEREO AUTOMONO

Impostare questa posizione quando si ascolta FM e disturbata.

- Il sistema si accende e sul display viene visualizzata la banda e la frequenza.
- Selezionare la banda.
- Sintonizzare la stazione desiderata.
- Regolare.

Manual tuning

Each time the UP or DOWN button is pressed, the unit steps through the current frequency band in steps of 50 kHz for FM and 200 kHz for AM (MW/LW). In AM operation, the tuner frequency moves continuously from the MW (522-1 629 kHz) to the LW (144-288 kHz) band and vice versa.

- Cada vez que se presiona el botón UP o DOWN, la unidad pasa a la siguiente banda de frecuencia en pasos de 50 kHz para FM y de 200 kHz para AM (MW/LW). En AM, la frecuencia sintonizada se mueve continuamente de la banda de OM (522-1 629 kHz) a la de OL (144-288 kHz) y viceversa.

Búsqueda de sintonía

Press the UP or DOWN button for one second or more. The unit steps through the seek tuning mode to tune in the nearest station automatically, so the broadcast can be heard. In AM operation, the frequency moves continuously from the MW to the LW band and vice versa.

- Presione el botón UP o DOWN durante un segundo o más. La unidad ingresa en el modo de búsqueda de sintonía automáticamente, así que se escucha la estación más próxima y por eso se escucha la radiodifusión. Durante la operación de AM, la frecuencia se mueve continuamente desde la banda de OM a la de OL y viceversa.

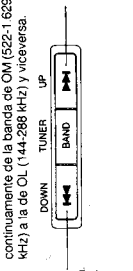
Sintonizzazione con ricerca

Premere il tasto UP o DOWN per un secondo o più. L'unità entra nel modo di sintonizzazione con ricerca per sintonizzarsi automaticamente sulla stazione più vicina in modo da poter udire la trasmissione. Durante il funzionamento in AM, la frequenza passa continuamente dalla banda MW a quella LW e viceversa.

- Ogni volta che il tasto UP o DOWN viene premuto, la frequenza cambia all'interno della banda corrente. La sintonizzazione viene eseguita in passi di 50 kHz in FM e di 200 kHz in AM (MW/LW). Durante il funzionamento in AM, la frequenza sintonizzata passa continuamente dalla banda MW (522-1 629 kHz) alla banda LW (144-288 kHz) e viceversa.

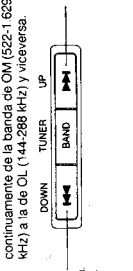
Manual tuning

Press to move to higher frequencies. Pressione para aumentar la frecuencia. Premere per aumentare la frequenza.

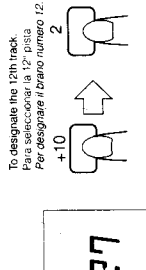


Sintonizzazione manuale

Press to move to lower frequencies. Pressione para disminuir la frecuencia. Premere per abbassare la frequenza.

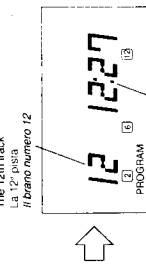


To designate the 12th track



- 1 Designate the remaining tracks by pressing the track number buttons.
- 2 Press the ►/II button when programming is completed. Programmed play starts.

The 12th track



- 1 Designare gli altri brani con i tasti numerici.
- 2 Premere il tasto ►/II quando la programmazione è terminata. La riproduzione programmata si avvia.

Para confirmar los detalles de un programa...

Press the PROGRAM button, the tracks making up the program will be displayed in programmed order.

- 1 Designe las pistas restantes presionando los botones de número de pista.
- 2 Cuando termine la programación, presione el botón ►/II. Se inicia la reproducción programada.

Para borrar las pistas programadas...

Press the CLEAR button before playing a CD. During programmed play, press this button twice. When the CD holder is opened, programmed tracks are cleared automatically.

- 1 Press the CLEAR button before playing a CD. During programmed play, press this button twice. When the CD holder is opened, programmed tracks are cleared automatically.

Repetición de reproducción (utilizando la unidad de control remoto)

Press the REPEAT button before or during play. A single track or all the tracks can be repeated. Whether a single track or all tracks are to be repeated can be specified. Each time the REPEAT button is pressed, the mode will change from a single track (≡), to all the tracks (≡ ALL), to the clear mode, in this order.

- Si el tiempo total de reproducción de las pistas programadas excede los 99 minutos, el tiempo total de reproducción.
- Cuando se coloca un CD con 16 pistas o más, aparecerá la indicación "OVER".

Repetizione casuale (utilizzando l'unità di telecomando)

Press the REPEAT button before or during play. A single track or all the tracks can be repeated. Whether a single track or all tracks are to be repeated can be specified. Each time the REPEAT button is pressed, the mode will change from a single track (≡), to all the tracks (≡ ALL), to the clear mode, in this order.

- Se la durata dei brani programmati per la riproduzione supera 99 minuti e 59 secondi, l'indicazione della durata della riproduzione scompare dal display.
- Se viene caricato un CD contenente 16 brani o più, l'indicazione "OVER" si illumina.

Notes:

- Quando la sintonizzazione con ricerca della stazione desiderata non è possibile poiché il segnale debole, premere il tasto UP o DOWN per un momento per aumentare o diminuire il volume.
- Quando la sintonizzazione con ricerca della stazione desiderata non è possibile poiché il segnale debole, premere il tasto UP o DOWN per un momento per aumentare o diminuire il volume.

Notes:

- All preset stations will be erased when the power cord is disconnected or a power failure occurs for more than 24 hours. In such cases, store the stations again.

Notes:

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Presintonizzazione

- Las estaciones deben ser presintonizadas antes de que se pueda ejecutar esta operación.

Preset tuning

- The stations must be preset before this operation can be performed.

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Sintonizzazione stazioni preselezionate

- Le stazioni devono essere preselezionate prima di poter eseguire questa operazione.

Presintonización automática (utilizando la unidad de telecomando)

Esta función busca la banda actual, detectando frecuencias usadas para señales de radiodifusión y almacena automáticamente en memoria las primeras 15 frecuencias.

Presintonización automática (utilizando la unidad de control remoto)

Esta función busca la banda actual, detectando frecuencias usadas para señales de radiodifusión y almacena automáticamente en memoria las primeras 15 frecuencias.

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Presintonización automática (utilizando la unidad de control remoto)

Esta función busca la banda actual, detectando frecuencias usadas para señales de radiodifusión y almacena automáticamente en memoria las primeras 15 frecuencias.

Utilizando la unidad de telecomando

1. Presione el botón TUNER/BAND.
2. Seleccione la banda de frecuencia con el botón TUNER/BAND.
3. Presione el botón PRESET TUNING para seleccionar la estación presintonizada deseada.

Utilizando la unidad de control remoto

1. Presione el botón TUNER/BAND.
2. Seleccione la banda de frecuencia con el botón TUNER/BAND.
3. Presione los botones (No. 1 - No. 10 y +10) de la estación presintonizada deseada.

Utilizando la unidad de control remoto

1. Presione el botón TUNER/BAND.
2. Seleccione la banda de frecuencia con el botón TUNER/BAND.
3. Presione los botones (No. 1 - No. 10 y +10) de la estación presintonizada deseada.

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3. Presione los botones (No. 1 - No. 10 y +10) de la estación presintonizada deseada.

Uso delle antenne

Collegare l'antenna FM a plettina in dotazione (vedi pag. 6).

Regolare la posizione dell'antenna AM (MW/LW) ad anello.

Utilización de antenas

Conecte la base de antena FM suministrada (ver página 6).

Ajuste la posición de la antena de cuadro de AM (OM/LW).

Using the antennas

Connect the provided FM feeder antenna (see page 6).

Adjust the position of AM (MW/LW) loop antenna.

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REGOLAZIONE OROLOGIO

AJUSTE DEL RELOJ

CLOCK ADJUSTMENT

REGOLAZIONE OROLOGIO

REGOLAZIONE OROLOGIO

REGOLAZIONE OROLOGIO

REGOLAZIONE OROLOGIO

Imposizione dell'orario corrente (quando l'unità viene usata per la prima volta)

(Esempio: Per regolare l'orologio sulle 13:15.)

Ajuste de la hora actual (cuando se usa la unidad por primera vez)

(Ejemplo: Para ajustar el reloj a las 13:15.)

Setting the current time (when this unit is used for the first time)

(Example: To set the clock to 13:15.)

Imposizione dell'orario corrente (quando l'unità viene usata per la prima volta)

(Esempio: Per regolare l'orologio sulle 13:15.)

Ajuste de la hora actual (cuando se usa la unidad por primera vez)

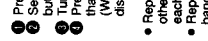
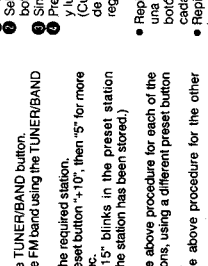
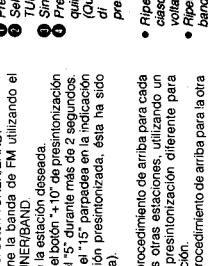
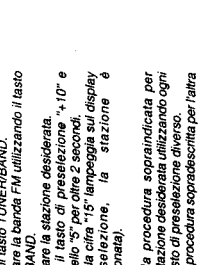
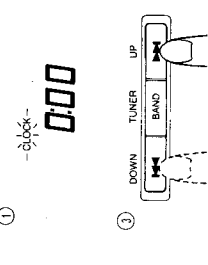
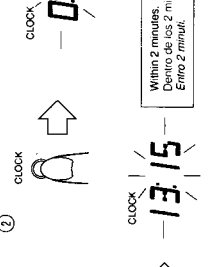
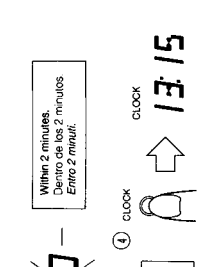
(Ejemplo: Para ajustar el reloj a las 13:15.)

Setting the current time (when this unit is used for the first time)

(Example: To set the clock to 13:15.)

Imposizione dell'orario corrente (quando l'unità viene usata per la prima volta)

(Esempio: Per regolare l'orologio sulle 13:15.)



Collegare il cavo di alimentazione.

L'indicazione "CLOCK" lampeggia sul display.

Premere il tasto CLOCK per 2 secondi o più;

Indicazione "00:00" lampeggia sul display.

Impostare sulle 13:15 premendo i tasti UP/DOWN.

Quando il tasto viene tenuto premuto, l'indicazione dei minuti/ora cambia continuamente.

Premere il tasto CLOCK; l'ora si illumina sul display.

Conecte el cordón de CA. "CLOCK" will blink in the display.

Presione el botón CLOCK durante 2 seg. o más; "00:00" parpadeará en el visor.

Ajuste a las 13:15 presionando los botones UP/DOWN.

Si se mantiene el botón presionado, la hora/indicación de los minutos cambia continuamente.

Presione el botón CLOCK; la hora se iluminará en el visor.

Connect the AC power cord. "CLOCK" will blink in the display.

Press the CLOCK button for 2 sec. or more; "00:00" will blink in the display.

Set to 13:15 by pressing the UP/DOWN buttons.

When the button is kept pressed, the minute/hour indication changes continuously.

Press the CLOCK button; the time will light in the display.

Collegare il cavo di alimentazione.

L'indicazione "CLOCK" lampeggia sul display.

Premere il tasto CLOCK per 2 secondi o più;

Indicazione "00:00" lampeggia sul display.

Impostare sulle 13:15 premendo i tasti UP/DOWN.

Quando il tasto viene tenuto premuto, l'indicazione dei minuti/ora cambia continuamente.

Premere il tasto CLOCK; l'ora si illumina sul display.

Conecte el cordón de CA. "CLOCK" will blink in the display.

Presione el botón CLOCK durante 2 seg. o más; "00:00" parpadeará en el visor.

Ajuste a las 13:15 presionando los botones UP/DOWN.

Si se mantiene el botón presionado, la hora/indicación de los minutos cambia continuamente.

Presione el botón CLOCK; la hora se iluminará en el visor.

Connect the AC power cord. "CLOCK" will blink in the display.

Press the CLOCK button for 2 sec. or more; "00:00" will blink in the display.

Set to 13:15 by pressing the UP/DOWN buttons.

When the button is kept pressed, the minute/hour indication changes continuously.

Press the CLOCK button; the time will light in the display.

Collegare il cavo di alimentazione.

L'indicazione "CLOCK" lampeggia sul display.

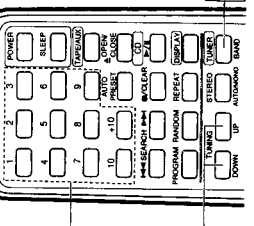
Premere il tasto CLOCK per 2 secondi o più;

Indicazione "00:00" lampeggia sul display.

Impostare sulle 13:15 premendo i tasti UP/DOWN.

Quando il tasto viene tenuto premuto, l'indicazione dei minuti/ora cambia continuamente.

Premere il tasto CLOCK; l'ora si illumina sul display.



Notes:

- The previous stored station is erased when a new station is stored, because the new station's frequency replaces the previous frequency in memory.
- When listening to an AM (MW/LW) broadcast, noise may be heard if the remote control unit is used.

5 Set the volume.

6 Regolare il volume.

When the UP button is used to select the volume. Cuando se usa el botón UP para seleccionar el nivel de volumen. Se il tasto UP viene usato per scegliere il volume.

The shows when volume level 1 is selected. Esto se muestra cuando se selecciona el nivel de volumen 1. Indica se il livello di volume 1 è stato scelto.

Note:

- The unit enters the previously engaged mode and timer setting has been completed.
- La unidad ingresa en el modo previamente activado y el ajuste del temporizador queda completado.
- l'unità entra nel modo precedentemente attivato e l'impostazione del timer è così terminata.

7 To confirm the timer setting. Cada vez que presiona el botón TIMER/SNOOZE, es posible confirmar el ajuste del temporizador.

Note:

- When the timer is set incorrectly or the correct mode is not selected, perform "Setting the timer" from the beginning.
- Cuando se activa el modo anterior, el ajuste del temporizador queda completado.
- Quando, se ajusta, el temporizador incorrectamente o no se selecciona el modo correcto, ejecute el "Ajuste del temporizador" desde el principio.

8 Reproduce the CD. La reproducción de CD es posible.

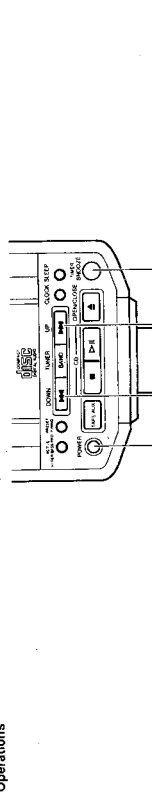
Note:

- When the timer setting is set to "VOL" (volume level is not specified), the timer playback volume is at the level used before setting the timer.
- Si se ajusta el volumen en "VOL" (no se especifica el nivel de volumen), el nivel de la reproducción de CD del temporizador será el nivel utilizado antes de ajustar el temporizador.

9 Switch the power off. Desconecte la alimentación.

10 Operaciones por temporizador. La reproducción por temporizador de CD o de radiodifusiones es posible.

11 Reproduction with timer. La reproducción con el timer de CD o de transmisiones radiolónicas es posible.



Source sound Fuente de sonido Fonte sonora	Timer mode Modo de temporizador Modo di funzionamento	Operations Operaciones Operazioni
CD play Reproducción de CD Reproduzione CD	CD CD Insere un CD.	Lead a CD. Insere un CD.
Broadcast Radiodifusión Trasmisione radio	TUNER TUNER TUNER	Tune to the required station. Sintonice la estación deseada. Mettersi in sintonia la stazione desiderata.

1 Para fijar los segundos en forma más exacta... Presione el botón CLOCK al escuchar la señal horaria de la televisión o la radio.

2 Para confirmar la hora actual (cuando la alimentación está conectada ON). Presione el botón CLOCK. Cuando el modo previamente activado.

Note:

- Antes de efectuar la reproducción por temporizador, es necesario ajustar la hora actual.
- Se recomienda ajustar la hora actual con el botón POWER en modo de STANDBY para mantener el modo de visualización corriente.
- Cuando se conecta el cordón de alimentación, el reloj se reiniciará y la hora de alimentación se restablecerá.
- Cuando se conecta el cordón de alimentación después de haberlo desconectado o cuando vuelve la energía después de un corte de la misma, "CLOCK" parpadeará en el visor. Ajuste otra vez la hora actual.

3 Para ajustar el tiempo de inicio. (Ejemplo: Para ajustar el temporizador a las 12:15.)

4 Para ajustar la hora de parada del temporizador a las 13:15.

5 Seleccione el modo TIMER. El modo de temporizador seleccionado aparece en la indicación.

6 Seleccione el modo del timer (TIMER). El modo de timer seleccionado aparece en la indicación.

7 Seleccione el modo de reproducción de CD. Coloque el botón POWER en ON.

8 Ajuste el temporizador. (Referirse a "Ajuste del temporizador" en la página 23.)

OPERACIONES POR TEMPORIZADOR

FUNZIONAMENTO COL TIMER

1 Para fijar los segundos en forma más exacta... Presione el botón CLOCK al escuchar la señal horaria de la televisión o la radio.

2 Para confirmar la hora actual (cuando la alimentación está conectada ON). Presione el botón CLOCK. Cuando el modo previamente activado.

Note:

- Antes de efectuar la reproducción por temporizador, es necesario ajustar la hora actual.
- Se recomienda ajustar la hora actual con el botón POWER en modo de STANDBY para mantener el modo de visualización corriente.
- Cuando se conecta el cordón de alimentación, el reloj se reiniciará y la hora de alimentación se restablecerá.
- Cuando se conecta el cordón de alimentación después de haberlo desconectado o cuando vuelve la energía después de un corte de la misma, "CLOCK" parpadeará en el visor. Ajuste otra vez la hora actual.

3 Para ajustar el tiempo de inicio. (Ejemplo: Para ajustar el temporizador a las 12:15.)

4 Para ajustar la hora de parada del temporizador a las 13:15.

5 Seleccione el modo TIMER. El modo de temporizador seleccionado aparece en la indicación.

6 Seleccione el modo del timer (TIMER). El modo de timer seleccionado aparece en la indicación.

7 Seleccione el modo de reproducción de CD. Coloque el botón POWER en ON.

8 Ajuste el temporizador. (Referirse a "Ajuste del temporizador" en la página 23.)

9 Seleccione el modo de reproducción de CD. Coloque el botón POWER en ON.

10 Ajuste el temporizador. (Referirse a "Ajuste del temporizador" en la página 23.)

11 Seleccione el modo de reproducción de CD. Coloque el botón POWER en ON.

12 Ajuste el temporizador. (Referirse a "Ajuste del temporizador" en la página 23.)

- **Controllo del tempo specificato**
Quando il tasto SLEEP viene premuto, il tempo rimanente fino allo spegnimento viene visualizzato. Se il tasto viene premuto nuovamente è possibile impostare un nuovo tempo per lo spegnimento automatico via timer.
- **Per cancellare lo spegnimento automatico**
Premere il tasto POWER. Il timer si resetta e il sistema o premere il tasto SLEEP sino a che l'indicatore dell'ora di spegnimento automatico via timer scompare.

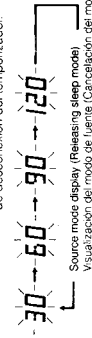
- **Verificazione del tempo para dormir**
Quando si preme il tasto SLEEP, appare la indicazione del tempo restante. Si lo persona una volta, es posible establecer un nuevo periodo para dormir.
- **Cancelacion del temporizador de desconexion**
Al presionar el boton POWER para desactivar la alimentacion, el temporizador SLEEP hasta que el indicado de tiempo para dormir desaparezca.

- **Per addormentarsi ascoltando una trasmissione o un CD ed eseguire la riproduzione col timer la mattina seguente**

1. Impostare il timer. (Vedere la sezione "Impostazione del timer" a pag. 23)
2. Impostare la fonte desiderata (trasmissione radio o CD)
3. Premere il tasto SLEEP per impostare il tempo per lo spegnimento automatico via timer.

- **Para dormir mientras escucha una radiodifusión o un CD y efectuar la reproducción por temporizador la mañana siguiente**

1. Ajuste el temporizador. (Referirse a Ajuste del timer en la página 23)
2. Ajuste la fuente deseada (radiodifusión o CD)
3. Presione el botón SLEEP para ajustar la hora de desconexión del temporizador.



Source mode display (Releasing sleep mode)
Visualización del modo de fuente (Cancelación del modo de spegnimento a tempo)Visualización fuente (Abandono del modo de spegnimento a tempo)

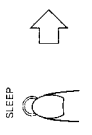
- **Per le operazioni di spegnimento automatico e di riproduzione col timer è possibile selezionare qualsiasi fonte. Per esempio:**
 - Riproduzione di un CD per lo spegnimento automatico e ricezione di una trasmissione per la riproduzione col timer.

Comunque, quando si seleziona la ricezione di una trasmissione radio sia per lo spegnimento automatico che per la riproduzione col timer, la stessa stazione ricevuta la sera verrà sintonizzata la mattina dopo.

- **Checking the sleep time**
When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set. Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.
- **To cancel the sleep timer operation**
Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.

- **To fall asleep while listening to a broadcast or CD and to perform timer playback the following morning**

1. Set the timer. (Refer to "Setting the timer" on page 23.)
2. Set to the required source (broadcast or CD).
3. Press the SLEEP button to set the sleep time.



Source mode display (Releasing sleep mode)
Visualización del modo de fuente (Cancelación del modo de spegnimento a tempo)Visualización fuente (Abandono del modo de spegnimento a tempo)

- Any source can be selected for sleep timer operation and timer playback. For example:
 - CD play for sleep timer operation and broadcast reception for timer playback.

However, when broadcast reception is selected for both sleep timer operation and timer playback, the station you heard at night will be tuned to the following morning.

- **La riproduzione col timer inizia all'orario di avvio del timer mentre l'alimentazione viene disattivata all'orario di arresto.**
L'unità rimane nello stesso modo del timer anche dopo che l'alimentazione viene disattivata. La stessa funzione del timer viene disattivata quando il timer viene spento. È possibile eseguire un'operazione in dissonanza dal livello di volume 0 (zero) al livello impostato.
- **Per cancellare il funzionamento col timer**
Premere il tasto TIMERSNOOZE in modo che l'indicatore del modo del timer (S) si spenga.

- **Note:**
 - Quando l'impostazione del volume è "VOL -" (il livello del volume non è stato specificato), il volume della riproduzione col timer viene impostato come prima dell'impostazione del timer.
 - Per interrompere il funzionamento durante la riproduzione col timer, premere l'interruttore POWER per interrompere l'alimentazione.

- **Per dormire altri 5 minuti...**
Quando la riproduzione col timer inizia, premere il tasto TIMERSNOOZE. L'alimentazione viene disattivata e la riproduzione col timer riprende dopo 5 minuti. (Quando questo modo è attivato, l'indicatore corrispondente si illumina).

- **Note:**
Quando la riproduzione col timer è attivata, la pressione del tasto TIMERSNOOZE entro 5 minuti dall'orario di spegnimento del timer causa la disattivazione dell'alimentazione ma la riproduzione col timer non riprende. (Esempio: Quando l'orario di spegnimento del timer è impostato sulle 7:30, tali cinque minuti sono compresi fra le 7:25 e le 7:30).

Operazioni timer spegnimento automatico

- **A. Eseguire quanto indicato per potersi addormentare mentre si ascolta la radio o un CD.**
 1. Impostare la fonte desiderata ed eseguire la sintonizzazione (di una trasmissione) o la riproduzione di un CD.
 2. Premere il tasto SLEEP per impostare l'orario di spegnimento.



Source mode display (Releasing the sleep mode)
Visualización del modo de fuente (Cancelación del modo de desconexión)
Visualización fuente (Abandono del modo de spegnimento a tempo)

- È possibile impostare orari di spegnimento da 30, 60, 90 o 120 minuti. Quando si preme il tasto SLEEP, la fonte viene visualizzata dopo 5 secondi.

- **Lo spegnimento automatico via timer viene eseguito dopo che il tempo impostato è trascorso.**

- **La riproduzione per temporizador se iniciará a la hora de activación del temporizador y la alimentación se desconecta a la hora de desactivación del temporizador.**
La unidad permanece en el mismo modo de temporizador cuando se desactiva la función de temporización. La alimentación se reaporta a la misma hora el día siguiente.
- **Quando se conecta la alimentazione es possibile hacer que el sonido aumente gradualmente desde el volumen 0 (cero) al volumen actual.**
- **Cancelacion de la operación por temporizador**
Presione el botón TIMERSNOOZE para que se apague la indicación (S).

Notes:

- Quando se ajusta el volumen en "VOL -" (el nivel de volumen no está especificado), el nivel de reproducción por temporizador permanece en el nivel usado antes de ajuste del temporizador.
- Para parar durante la reproducción por temporizador, presione el botón POWER para desconectar la unidad.

- **Para dormir 5 minutos más...**
Cuando se activa la reproducción por temporizador, presione el botón TIMERSNOOZE. La alimentación se desconecta y la reproducción por temporizador se inicia 5 minutos después. (Mientras el modo de desconexión por temporizador, el indicador correspondiente está encendido).

- **Note**
Mientras la reproducción por temporizador está activada, el presionar el botón TIMERSNOOZE dentro de los 5 minutos restantes para la desactivación del temporizador, desconecta la alimentación, pero la reproducción por temporizador no se reinicia. (Ejemplo: Cuando se ajusta la hora de desconexión del temporizador en 7:30, esos 5 minutos van de las 7:25 a las 7:30).

Operaciones del temporizador de desconexión

- **A. Use este método cuando desee dormir mientras escucha un programa de radio o un CD.**
 1. Ubique la fuente deseada y sintonice (radiodifusión) o reproduzca el CD.
 2. Presione el botón SLEEP para ajustar la hora a la que desea despertarse.



Source mode display (Releasing the sleep mode)
Visualización del modo de fuente (Cancelación del modo de desconexión)
Visualización fuente (Abandono del modo de spegnimento a tempo)

- El temporizador despertador puede ser ajustado en 30, 60, 90 o 120 minutos. Cuando usted suelta el botón SLEEP, la fuente es indicada durante 5 seg.

- **Después de transcurrido el tiempo especificado se activa el temporizador de desconexión y la alimentación es desconectada.**

- **Timer playback will start at the timer start time and the power will be switched off at the timer stop time.**
The unit remains in the same timer mode even after the power is switched off. The timer stop time switches the power off but timer playback does not restart.
- **Example:** When the timer stop time is set to 7:30, these 5 minutes are from 7:25 to 7:30.
- **To cancel timer operation**
Press the TIMERSNOOZE button so that the timer mode indicator (S) goes out.

Notes:

- When the volume setting is set to "VOL -" (volume level is not specified), the timer playback volume is set to the level used before setting the timer.
- To stop during timer playback, press the POWER button to switch the unit off.

- **To get an extra 5 minutes of sleep...**
When timer playback starts, press the TIMERSNOOZE button. The power is switched off and timer playback restarts after 5 minutes. (While the snooze mode is activated, the snooze indicator lights).



- **Note:**
While timer playback is engaged, pressing the TIMERSNOOZE button within 5 minutes to the timer stop time switches the power off but timer playback does not restart.
- **Example:** When the timer stop time is set to 7:30, these 5 minutes are from 7:25 to 7:30.

Sleep timer operations

- **A. Use this when you want to fall asleep while listening to a broadcast or CD.**
 1. Set to the required source and tune (broadcast) or play back CD.
 2. Press the SLEEP button to set the sleep time.



Source mode display (Releasing the sleep mode)
Visualización del modo de fuente (Cancelación del modo de desconexión)
Visualización fuente (Abandono del modo de spegnimento a tempo)

- Sleep time settings of 30, 60, 90 or 120 minutes can be set. When you release the SLEEP button, the source is displayed after 5 sec.

- **The sleep timer operation will start and the power will be switched off after the specified time.**

MAINTENANCE

MANTENIMIENTO

MANUTENZIONE

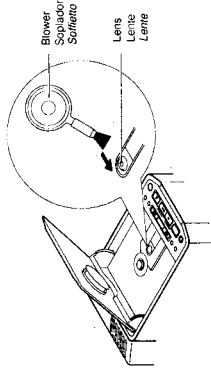
DATI TECNICI

ESPECIFICACIONES

SPECIFICATIONS

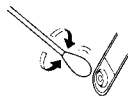
Cleaning is important!

Cleaning the lens
If the lens in the CD pickup is dirty, dropout, etc., could degrade sound.
Open the CD holder and clean the lens as shown.
• Use a blower (available from a camera store) to blow off the lens.
• If there are fingerprints, etc. on the lens, gently wipe clean with a cotton swab.



La pulizia è estremamente importante!

Pulizia della lente
Se la lente del pickup del lettore CD è sporca, ecc., la qualità del suono potrebbe degradare.
Aprire il vano del CD e pulire la lente come indicato.
• Utilizzare un soffiante (disponibile in un negozio di materiale fotografico) per soffiare via la polvere dalla lente.
• Se sulla lente vi sono impronte digitali, ecc., pulite con gentilezza utilizzando in bastoncino ovattato.



¡La limpieza es importante!

Limpieza de la lente
Si la lente del lector de CD está sucia o manchada, etc., puede degradar el sonido.
Abra el compartimiento del CD y limpie la lente como se muestra.
• Utilice un soploador (disponible en una tienda de material fotográfico) para quitar el polvo de la lente.
• Si hay huellas digitales, etc. en la lente, limpie suavemente con un soplo de algodón.

TROUBLESHOOTING

What appears to be trouble is not always serious. First make sure...

- Power cannot be turned on.
 - Is the power cord plugged?
 - No sound from the speakers.
 - Are headphones connected?
- The CD player does not play.
 - Is the CD upside down?
 - Is the CD dirty?
 - A certain portion of the CD does not play correctly.
 - Is the CD scratched?

CD Player Section

- The CD player does not start.
 - Is the CD upside down?
 - Is the CD dirty?
 - A certain portion of the CD does not play correctly.
 - Is the CD scratched?

Tuner Section

- Reception is noisy.
 - Try adjusting the antenna.

Timer Section

- Timer operation does not start.
 - Is the current time set correctly?
 - Is the timer mode indicator (E) displayed?

Remote Control

- Remote control is impossible.
 - Batteries in the remote control are exhausted?
 - Is the remote sensor section exposed to bright light (direct sunlight, etc.)?

DIAGNOSTICA

Lo que parece ser un problema no siempre es grave. Primero asegúrese...

- No es posible conectar la alimentación.
 - ¿Está el cordón de alimentación desenchufado?
 - No sale sonido de los altavoces.
 - ¿Están los audífonos conectados?

Sección del reproductor de CD

- El reproductor de CD no funciona.
 - ¿Está el CD invertido?
 - ¿Está el CD sucio?
 - ¿Una porción de un CD no es correctamente reproducida.
 - ¿Está el CD rayado?

Sección del sintonizador

- La recepción es ruidosa.
 - Intente ajustar la antena.

Sección del temporizador

- La operación por temporizador no se activa.
 - ¿Está la hora actual correctamente ajustada?
 - ¿Está el indicador (E) de modo de temporizador indicado?

Controlador remoto

- El controlador remoto no funciona.
 - ¿Están las pilas del controlador remoto agotadas?
 - ¿Está la sección sensor remoto expuesta a una luz brillante (luz solar directa, etc.)?

CD player section

Type : Compact disc player
System : Non-contact optical pickup
Number of channels : 2 channels
Frequency response : 20 Hz - 20,000 Hz
Signal-to-noise ratio : 90 dB
Wow & flutter : Less than measurable limit

Radio section

Frequency range : FM 87.5-108 MHz
AM (MW) 522-1629 kHz
Antennas : External antenna terminal for FM (75 Ω)

Speaker Section (each unit)

Impedance : 4 Ω
Dimensions : 120 (W) x 158 (H) x 186 (D) mm
Weight : Approx. 1.4 kg

General

Power output : 30 W (15 W + 15 W) at 4 Ω (Max.)
Input terminals : 20 W (10 W + 10 W) at 4 Ω (10% THD) (X) 300 mV/47 kΩ
Output terminals : PHONES (Output level: 0 - 15 mV/ch, 32 Ω, Matching impedance: 16 Ω - 1 kΩ)

Power requirements

Power consumption : AC 230 V, 50 Hz
Dimensions : 380 (W) x 161 (H) x 258 (D) mm, including knobs

Weight

Accessories provided : Remote control unit (RM-RXU1000GR) x 1
the remote control
the remote antenna x 1
Lithium battery (CR2) x 1
Speaker cord x 2

Power requirements

Power consumption : AC 230 V, 50 Hz
Dimensions : 380 (W) x 161 (H) x 258 (D) mm, including knobs

Weight

Accessories provided : Remote control unit (RM-RXU1000GR) x 1
the remote control
the remote antenna x 1
Lithium battery (CR2) x 1
Speaker cord x 2

Design and specifications are subject to change without notice.

Sección del reproductor de CD

Tipo : Reproductor de discos compactos
Sistema : Captor óptico sin contacto
Número de canales : 2 canales
Respuesta de canales : 20 Hz - 20.000 Hz
Relación señal-ruido : 90 dB
Wow & flutter : Menor que el límite medible

Sección de la radio

Límites de frecuencia : FM 87.5-108 MHz
AM (OM) 522-1629 kHz
Antena : Antena de cuadro para AM (75 Ω), de antena exterior para FM (75 Ω)

Sección de altavoces (cada unidad)

Impedancia : 4 Ω
Dimensiones : 120 (A) x 158 (A) x 186 (P) mm
Peso : Aprox. 1,4 kg

Generalidades

Salida de potencia : 30 W (15 W + 15 W) a 4 Ω (máx.)
Entrada de potencia : 20 W (10 W + 10 W) a 4 Ω (10% THD)
Salida de potencia : PHONES (nivel de salida: 0 - 15 mV/can., 32 Ω, impedancia de adaptación: 16 Ω - 1 kΩ)

Requisitos de alimentación

Consumo de energía : CA 230 V, 50 Hz
Dimensiones : 380 (A) x 161 (A) x 258 (P) mm, incluyendo perillas

Peso

Accesorios suministrados : Unidad de control remoto
Antena de control remoto
Pilas "CR2AA" (1.5F) x 2 (para el controlador remoto)
Antena de alimentación FM x 1
Cable de corriente alterna x 1
Cable de corriente continua x 2

Diseno y especificaciones sujetos a cambio sin aviso.

Sezione lettore CD

Tipo : Riproduttore di dischi compatti
Sistema : Pickup ottico senza contatto
Numero canali : 2 canali
Risposta frequenza : 20 Hz - 20.000 Hz
Rapporto segnale-ruido : 90 dB
Wow & flutter : Meno del limite misurabile

Sezione radio

Gamma frequenza : FM 87.5-108 MHz
AM (OM) 522-1629 kHz
Antenna : Antenna ad anello per AM (75 Ω), antenna per antenna FM esterna (75 Ω)

Sezione diffusori (per ciascun diffusore)

Altoparlante : 4 Ω
Impedanza : 4 Ω
Dimensioni : 120 (L) x 158 (A) x 186 (P) mm
Peso : Circa 1,4 kg

Generali

Potenza in uscita : 30 W (15 W + 15 W) a 4 Ω (Mass.)
Mass. (L) x (A) x (P) : 380 (L) x 161 (A) x 258 (P) mm
Termini di ingresso : LINE IN (AUX) (300 mV/47 kΩ) (10% THD)
Termini di uscita : PHONES (Livello in uscita: 0 - 15 mV/ch, 32 Ω)

Impedenza corrispondente:

SPEAKER (Impedenza corrispondente: 4 Ω - 16 Ω)
LINE OUT (300 mV/47 kΩ)
SUBWOOFER OUT (300 mV/47 kΩ)
OPTICAL DIGITAL OUT (300 mV/47 kΩ)
Cavo alimentazione x 1
Cavo alimentazione x 2

Requisiti de alimentazione

Consumo de energia : CA 230 V, 50 Hz
Dimensiones : 380 (L) x 161 (A) x 258 (P) mm, incluyendo perillas

Peso

Accesorios in dotazione : Unidad de control remoto
Antena de control remoto
Pilas "CR2AA" (1.5F) x 2 (para el controlador remoto)
Antena de alimentación FM x 1
Cable de corriente alterna x 1
Cable de corriente continua x 2

Diseno y especificaciones sujetos a cambio sin aviso.



VICTOR COMPANY OF JAPAN, LIMITED

4. Location of Main Parts

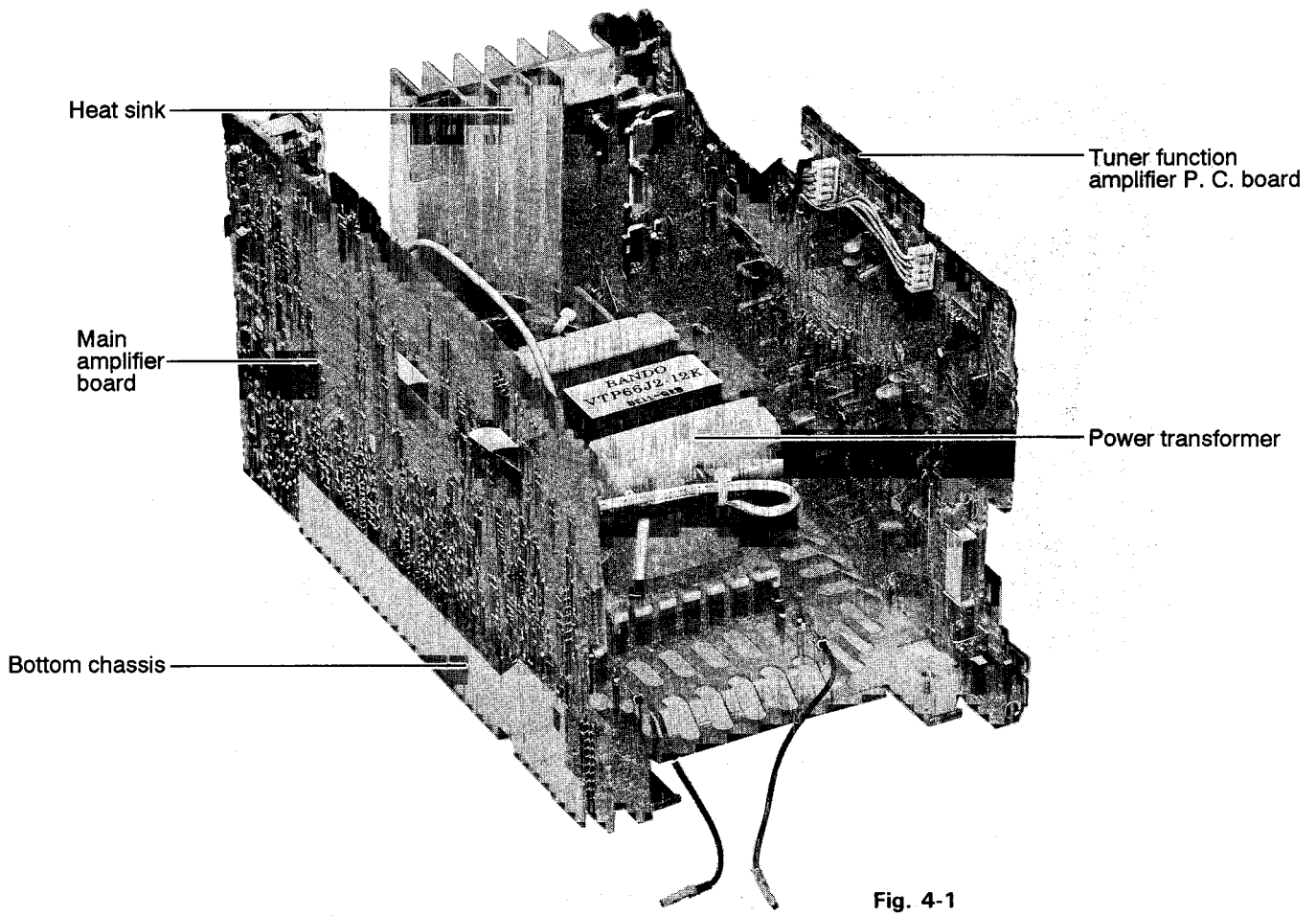


Fig. 4-1

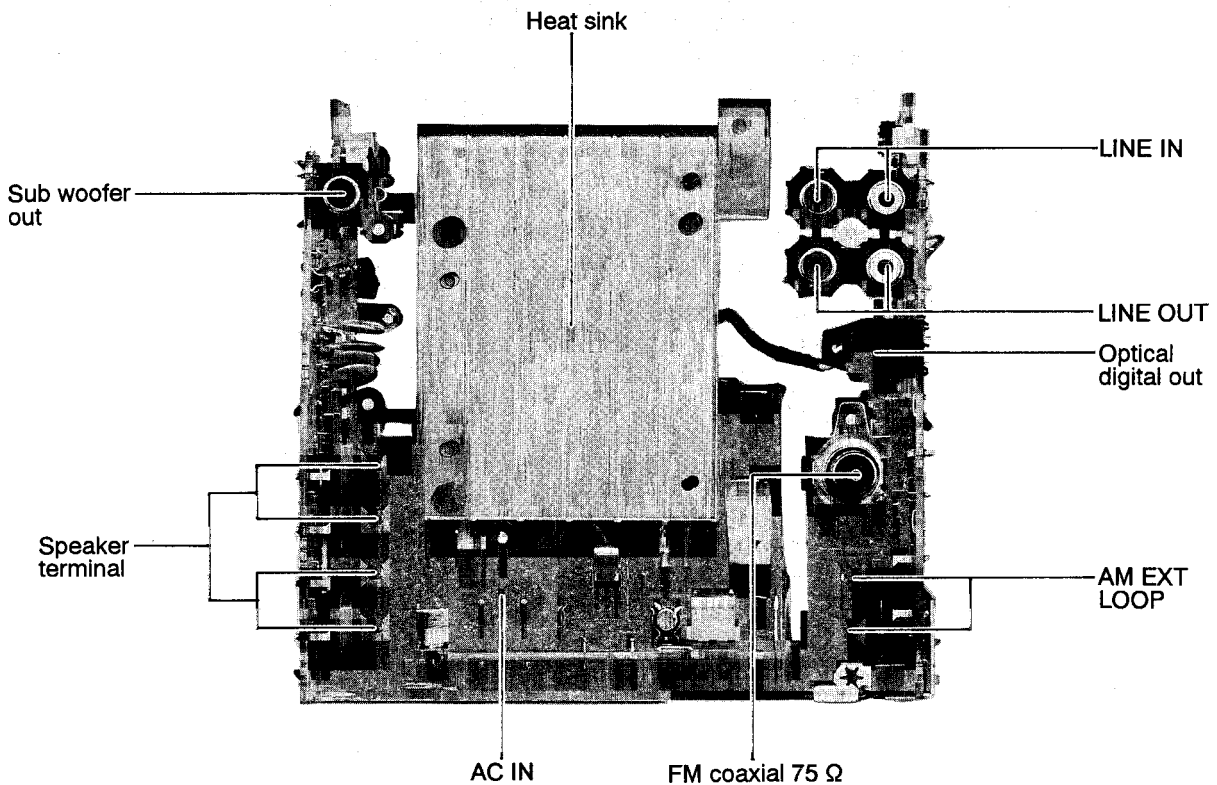
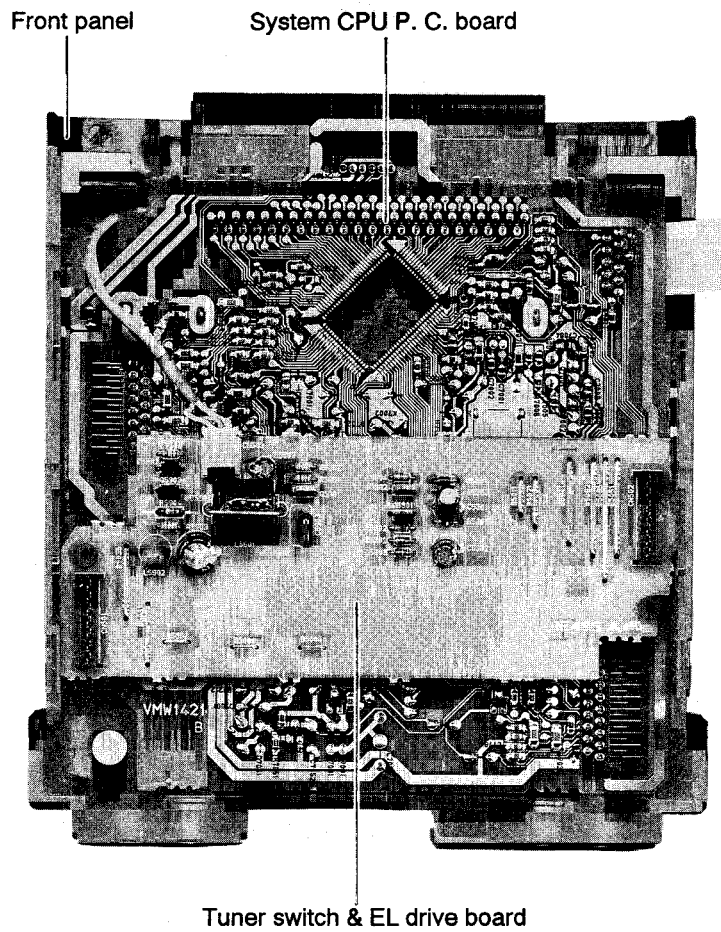
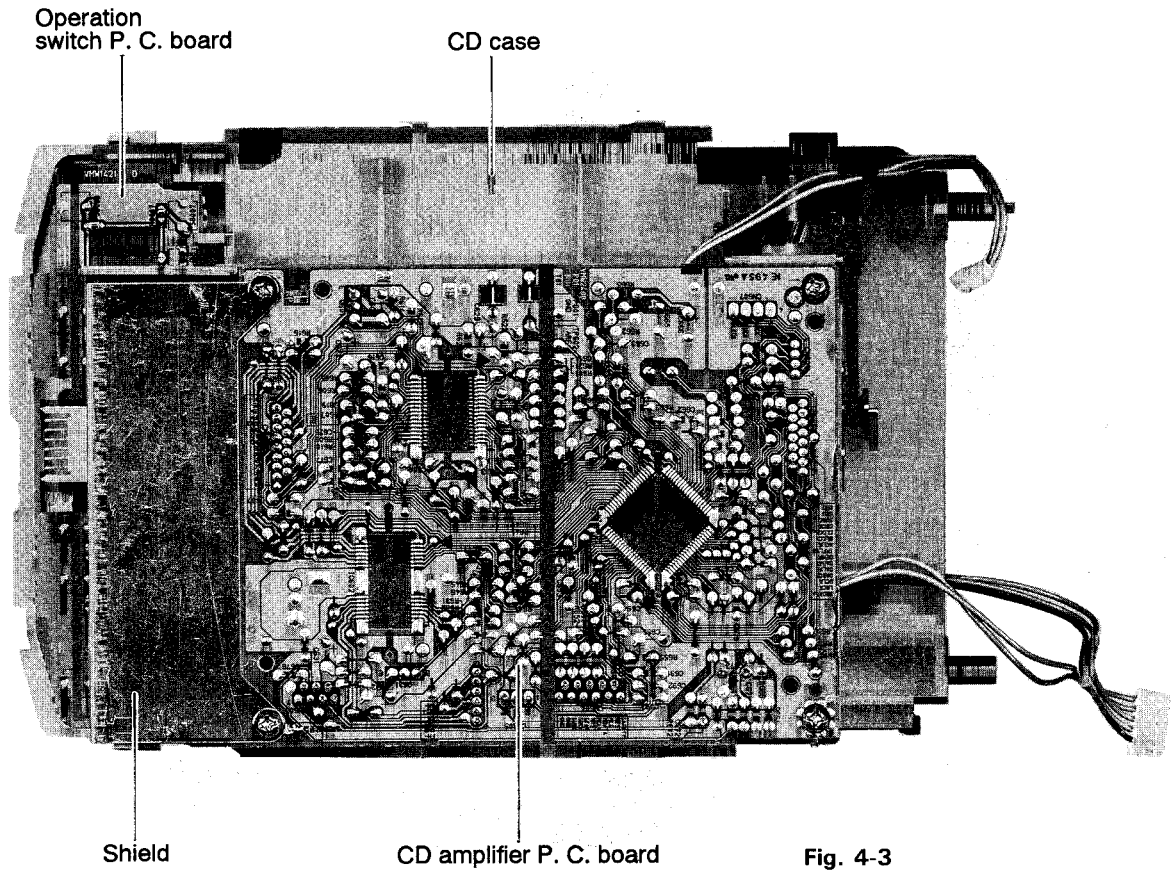


Fig. 4-2



5. Removal of Main Parts

■ Removing the rear cover and side panel (See Figs. 5-1~5-4)

1.
 - Remove the six screws ① retaining the rear cover from behind the body.
 - From the bottom face of the body, remove the four screws ② retaining the rear cover.
 - After passing the lock pawls at the speaker terminals through the position in Fig. 5-1, remove the rear cover.
2.
 - Remove the two screws ③ retaining both of the right and left side panels.
 - By moving the side panels (right and left sides) while pulling out the panels toward the rear side, disengage the upper two engagement sections, and dismount the panels while expanding them toward the front side.

※ For assembling (the rear cover and side panels), mount the upper two engagement sections while aligning the same in place at first, and assemble the rear cover and side panels while plugging (the cover and panels) toward the front side.

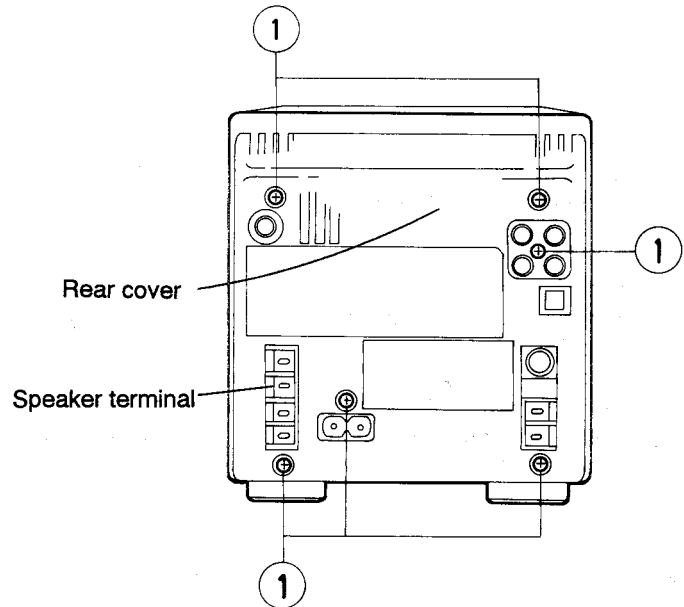


Fig. 5-1

3. The side fitting should be pulled out upward.

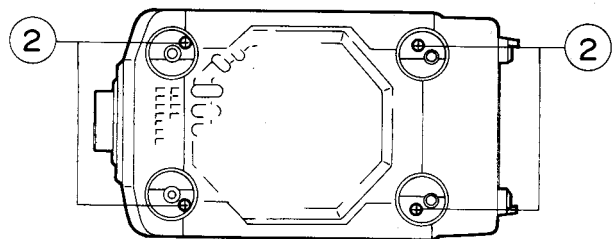


Fig. 5-2

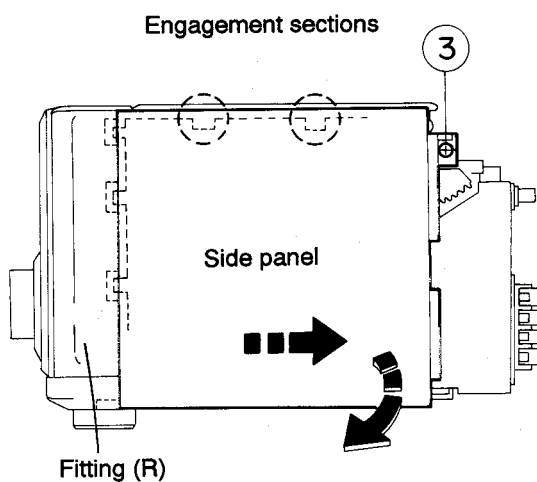


Fig. 5-3

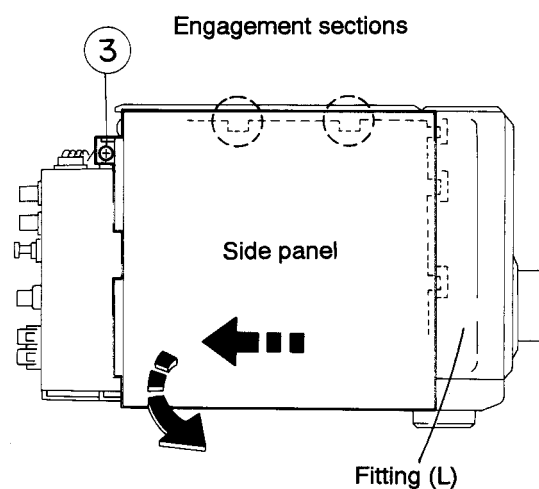


Fig. 5-4

■ Removing the CD player assembly

(See Figs. 5-5-5-7)

1. Remove the rear cover from behind the body.
 2. Remove the side panels and fittings (L and R).
 3. After removing the three screws ④ from behind the body, dismount the heat sink.
 4.
 - From the side of the body, remove the two screws ⑤ retaining the CD player assembly.
 - Remove the one screw ⑥ retaining the tuner function amplifier P.C. board.
 - Remove the connector wires from the connectors CN643 and CN635 on the tuner function amplifier P.C. board, and then remove the card wires connected to the connector CN631 CD amplifier P.C. board.
 - Remove the connector wire from the connector CN301 on the main board.
 5. Remove the CD player while pulling it out toward the rear side.
- Then, the connector CN801 connected to the connector CN781 on the LCD microcomputer P.C. board of the front assembly will be disconnected at the same time.

※ To ensure easy assembly of the CD player assembly, temporarily remove the tuner function amplifier P.C. board, and after mounting the CD player assembly, assemble the tuner function amplifier P.C. board.

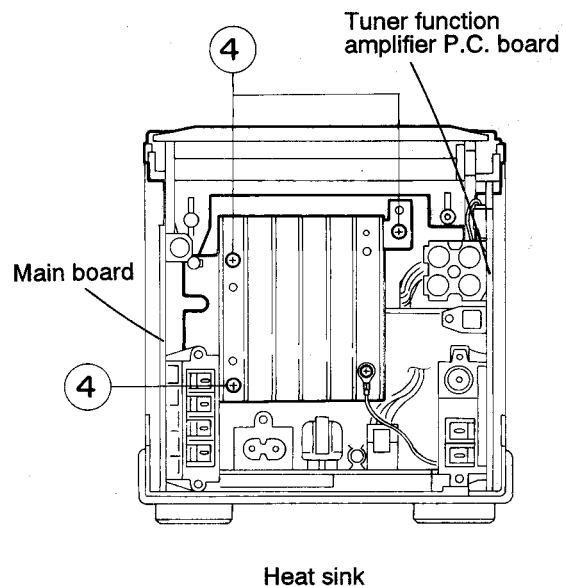


Fig. 5-5

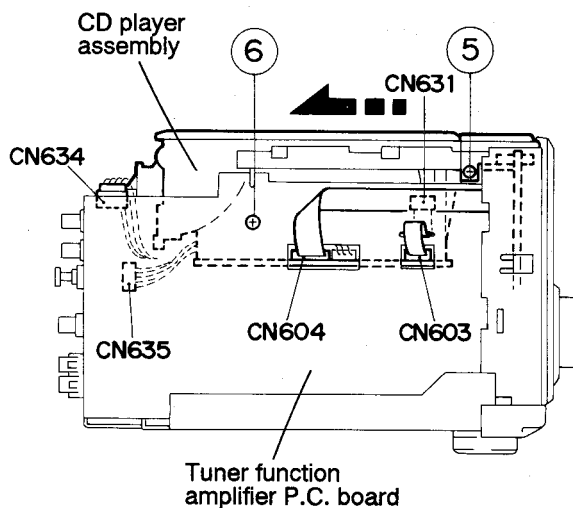


Fig. 5-6

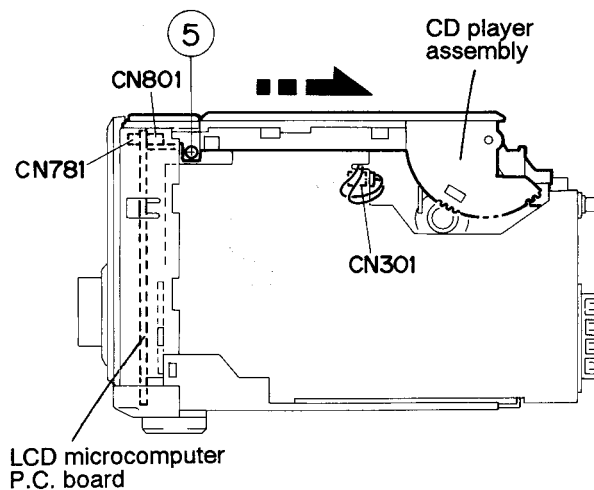


Fig. 5-7

■ Removing the CD player section

(See Figs. 5-8-5-13)

1. Remove the CD player assembly.
2. Removing the CD amplifier assembly
 - Remove the two screws ⑦ retaining the shield.
 - Remove the remaining two screws retaining the CD amplifier P.C. board.
 - Remove the card wire from the connector CN602 on the CD amplifier P.C. board connected to the CD mechanism, and also the card wire from the connector CN601.
3. Removing the CD mechanism assembly
 - Remove the four screws ⑧ retaining the CD motor drive P.C. board.
4. Removing the CD motor drive P.C. board
 - Remove the two screws ⑨ retaining the CD motor drive P.C. board.
 - After disengaging the belt from the motor pulley, remove the CD motor drive P.C. board.
5. Removing the CD door assembly
 - Disengage the two engagement sections on both the right and left sides of the CD door while expanding the sections outward.
6. Removing the operation switch P.C. board
 - Remove the top panel while expanding the right and left side pawls outward.
 - Remove the operation switch P.C. board upward.

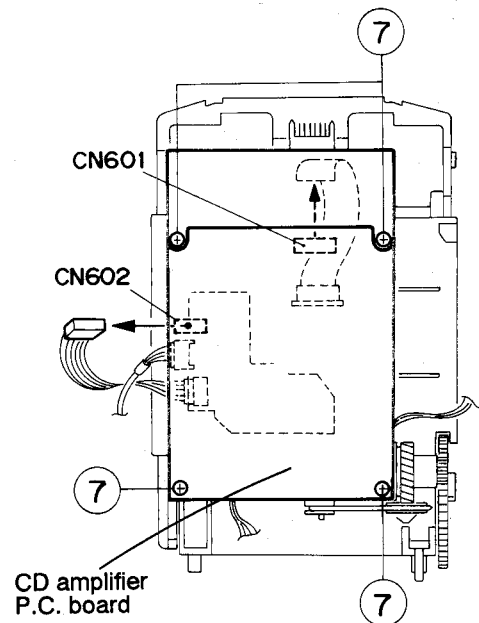


Fig. 5-8

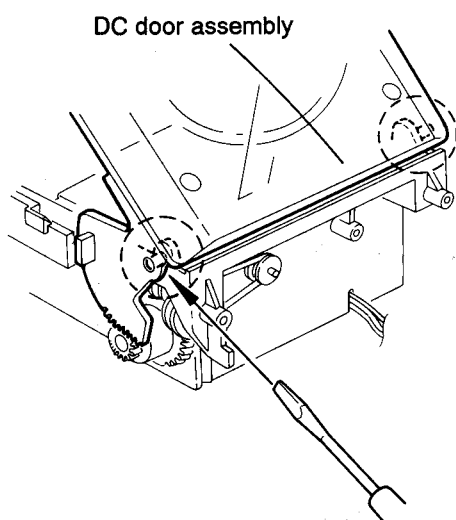


Fig. 5-10

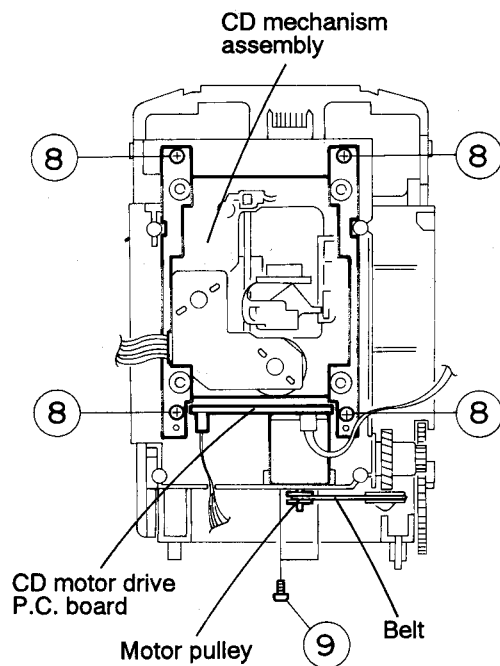


Fig. 5-9

■ Removing the tuner function amplifier P.C. board (See Figs. 5-14-5-16)

- Remove the connectors CN633 and CN632 on the tuner function amplifier P.C. board by pulling them out respectively from the front assembly.
- Remove the card wire from the post pin W6001 on the tuner function amplifier P.C. board.

■ Removing the main board

1. Remove the earth wire from the post pin CN531 on the main board.
2. Disconnect the main connector CN300 on the main board connected to the power supply P.C. board while expanding the main board outward.
3. Disconnect the connectors CN302 and CN303 on the main board toward the rear side by pulling the connectors out from the front assembly.

■ Removing the power supply P.C. board

1. After removing the two screws ⑩, disconnect the connector CN903 on the power supply P.C. board connected to the main board.
2. From the connectors CN902 and CN901, remove the connector wires outgoing from the power supply transformer.
3. While disengaging the power supply P.C. board and holder engagement, remove the power supply P.C. board.

■ Removing the power supply transformer assembly

- Removing the four screws ⑪. From the connectors CN902 and CN901 on the power supply P.C. board, remove the connector wire connected to the power supply P.C. board.

※ For assembly, position the primary side upward, and perform assembly of the respective parts.

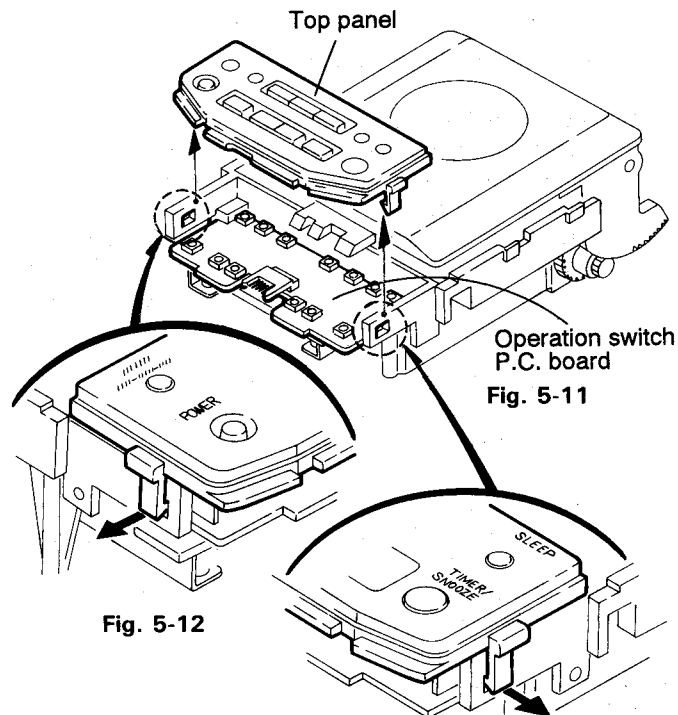


Fig. 5-12

Fig. 5-13

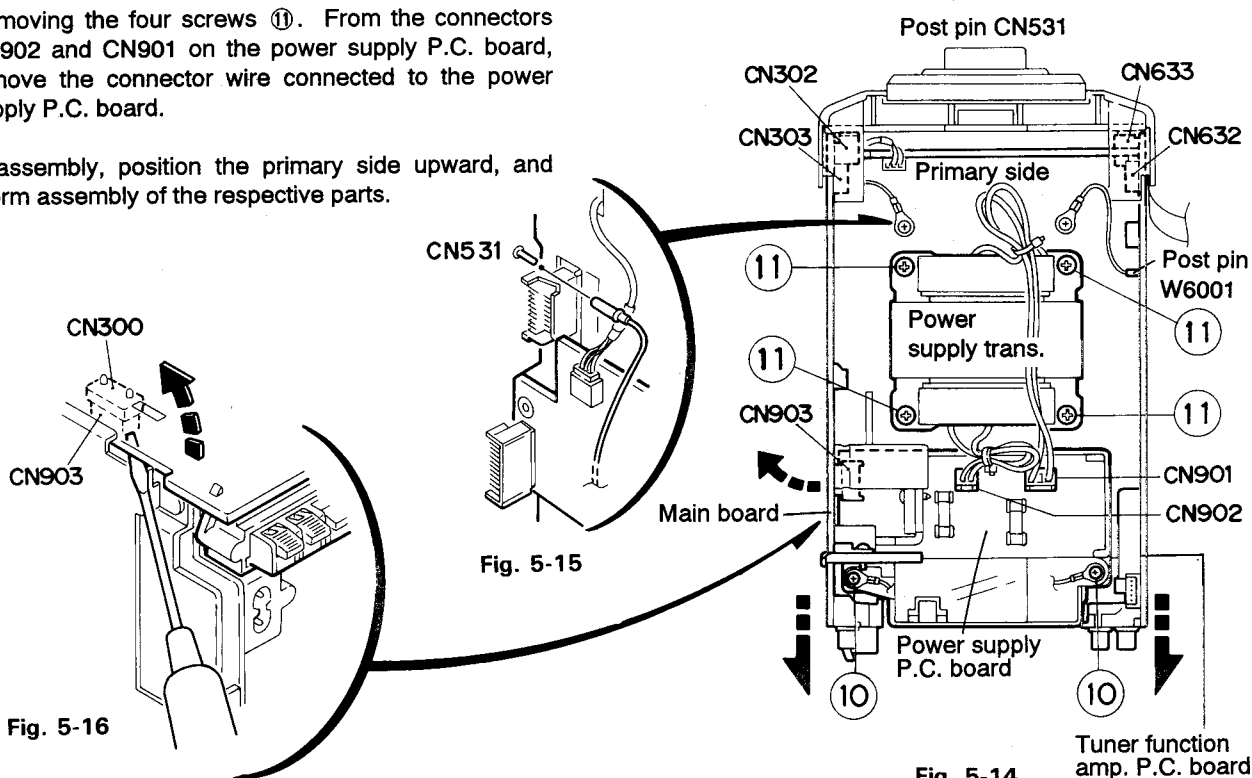


Fig. 5-15

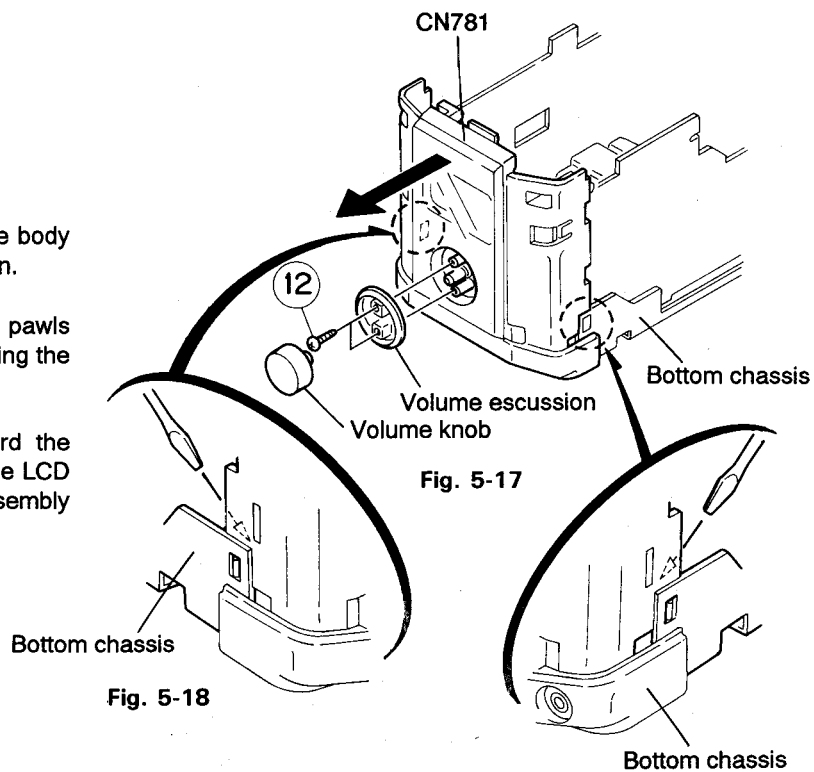
Fig. 5-14

Fig. 5-16

■ Removing the front assembly

(See Figs. 5-17~5-19)

1. Remove the rear cover from behind the body.
2. Dismount the CD player assembly.
3. Remove the side panels and fittings (L and R).
4. After removing the knob from the front face of the body and two screws ⑫, dismount the volume escusion.
5. By using a driver and other tool, remove the two pawls provided on both the right and left sides for engaging the front assembly and bottom chassis.
6. After removing the front panel assembly toward the front side, disconnect the connector CN781 on the LCD microcomputer P.C. board from the CD player assembly at the same time.



■ Removing the tuner switch EL driver P.C. board and microcomputer P.C. board (See Figs. 5-20 and 5-21)

1. • While expanding the engagement sections (a) and (b) with the front cabinet, remove the tuner switch EL driver P.C. board.
 - Remove the connector wire from the connector CN503 connected to the LCD microcomputer P.C. board.
2. • Remove the one screws (13).
 - While expanding the engagement sections (c) and (d) with the front cabinet to outside, remove the LCD microcomputer assembly.

● Assembly method

1. Insert the power supply P.C. board into the engagement section of the power supply P.C. board holder, assemble the power supply P.C. board on the bottom chassis together with the power supply P.C. board holder.
2. Subsequent to mounting the power supply transformer, the secondary side connector wire outgoing from the power supply transformer and the primary side connector wire on the power supply P.C. board should be connected respectively to the connectors CN902 and CN901 on the power supply P.C. board.
3. Connect the connector CN300 on the main board to CN903 on the power supply board, and assemble the main board on the bottom chassis.
4. Engage the front assembly exactly to the pawl at the engagement section of the bottom chassis, and connect the connectors CN302 and CN303 on the the main board respectively to the connector CN711 on the LCD microcomputer P.C. board of the front assembly and the connector CN501 on the tuner switch EL driver P.C. board.
5. Assemble the CD player assembly while plugging the connector CN801 on the operation switch P.C. board of the CD player assembly to the connector CN781 on the LCD microcomputer P.C. board of the front assembly.
6. Plug in the connectors CN633 and CN632 on the tuner function amplifier P.C. board to the connector CN502 on the tuner switch EL driver P.C. board of the front assembly and CN761 on the LCD microcomputer P.C. board.

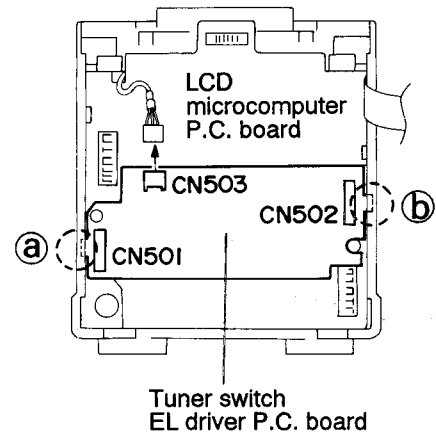


Fig. 5-20

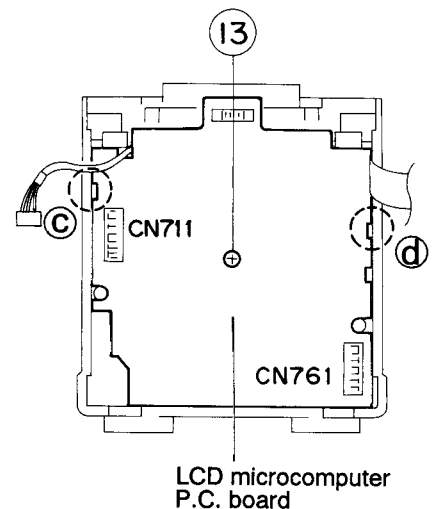


Fig. 5-21

6. Main Adjustment

■ Test Instruments required for adjustment

1. Low frequency oscillator
(Frequency range: 50Hz to 20kHz)
(Output : 0 dBs across 600 Ω terminating resistor)
2. Attenuator(Impedance : 600 Ω)
3. Test disc :CTS– 1000
4. Extension cord : EXTUX1000– JIG
5. Electronic voltmeter,
6. Distortion meter
7. Frequency counter

■ Measuring conditions (Amplifier section)

Supply voltage AC230V (50/60Hz)

Reference output level :Speaker
0 dBs (0.775V) / 3 Ω
: Headphone
0 dBs (0.775V)/ 32 Ω

Reference input level
:- 25dBs supplied to test point

Standard test frequency..... 1kHz

Output measuring point Speaker terminal
Dummy load 3 Ω
or headphone(32 Ω)

● Standard position of switches

Function switch CD

● Standard position of controls

Tone.....Maximum position

Main volume adjust 0 dBs output position

Beat cut switch..... Standard 1

● Test remarks

1. Negative side of the input and output terminals of the testing set, shall be isolated from each other. The negative side should not be commonly connected when a 2channel electronic voltmeter is connected.
2. A dummy load shall be connected to the output terminal and the lead wires of dummy load shall be as thick as possible.

■ Measuring condition (Tuner section)

Power supply voltage to tuner..... DC 7V

Reference output Speaker : 50mW(0.39 V / 3 Ω)
Headphone : 0.08V/ 32 Ω

AM modulation 400Hz, 30%

FM modulation400Hz deviation 22.5kHz

● Standard position of switches and controllers

Function.....RADIO

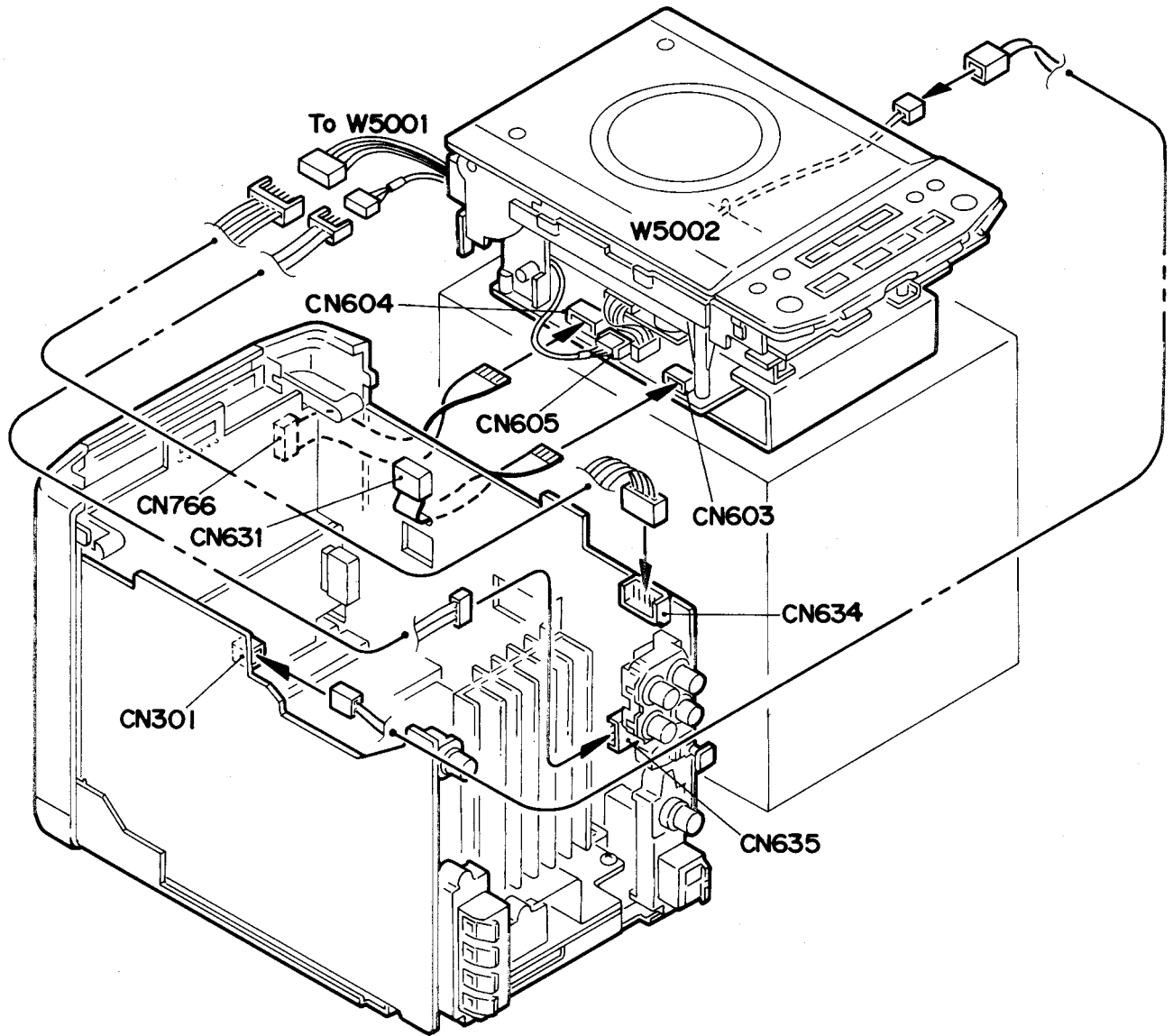
Mode STEREO

Tone.....Maximum position

● Remarks for alignment

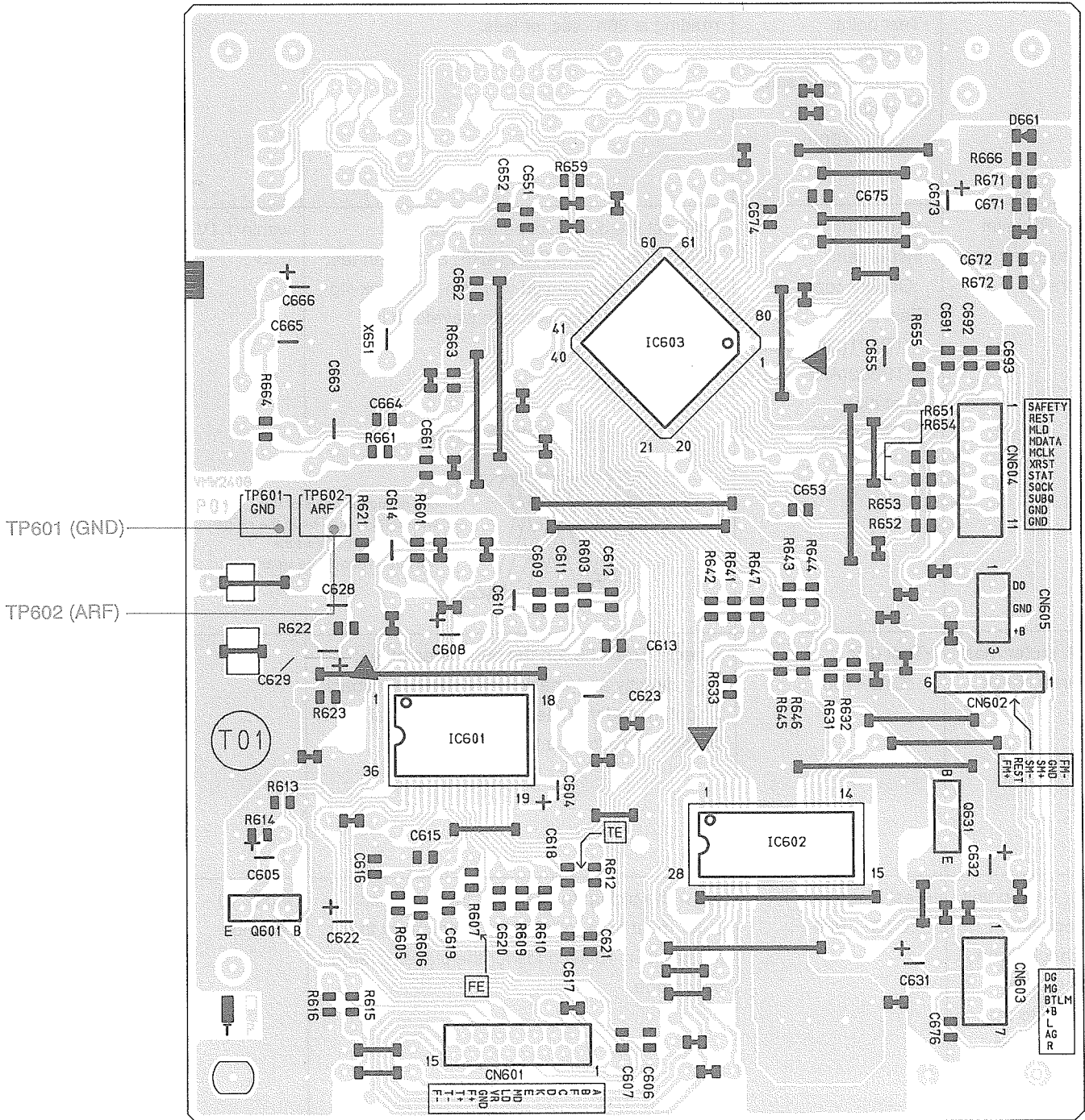
1. Connect 30 pF capacitor and 33 k Ω resistor to the output terminal of the IF sweeper in series while 0.082 μ F capacitor and 100k Ω resistor to the input terminal in series.
- 2.Set the output level of the IF sweeper as low as adjustable.
- 3.IF alignment is not necessary for both AM and FM MPX alignment is not necessary either. All IFTs and MPX coil are non– adjusting type.

■ How to Connect the Extension Cord (EXTUX1000- JIG)

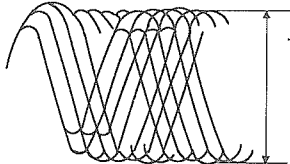


■ Arrangement Checking Test Point

(CD Amplifier board)



■ CD section

Items	Conditions	Adjustment and Confirmation procedure	Standard Value	Adjusting
1. Jitter check	<ul style="list-style-type: none"> •Measuring instrument : Jitter meter •Test point :TP601(GND side) :TP602(ARF side) •Test disc :CTS-1000 	Connect the jitter meter between TP601(GND) and TP602(ARF) and when test disc (track 1) is played, confirm that the meter reading is 26n-sec or less.	26n-sec or less	—
2. RF level (eye pattern) check	<ul style="list-style-type: none"> •Measuring instrument :Oscilloscope •Test point :TP601(GND side) :TP602(ARF side) •Test disc :CTS-1000 	Connect the oscilloscope between TP601(GND) and TP602(ARF) and when test disc (track 1) is played, confirm that peak-to-peak value of oscilloscope waveform is within $1.1V \pm 0.2V$. Eye-pattern waveform  <p>The maximum value of this waveform should be in the range of specifications and the waveform should be clear</p>	within $1.1V \pm 0.2V$.	—
3. Outer most area check	<ul style="list-style-type: none"> •Test disc :CTS-1000 	Select "Track 26" on the outer area of test disc directly and check that it begins playback smoothly and that there are no abnormal conditions such as a tracking error.		—
4. Pickup unit movement check (From the outer area to the inner area)	<ul style="list-style-type: none"> •Test disc :CTS-1000 	Allow the pickup to skip over from the disc's outer most area to "Track 1" and check that it takes within 10 seconds for the player to enter play mode.	within 10 seconds	—

7. Troubleshooting

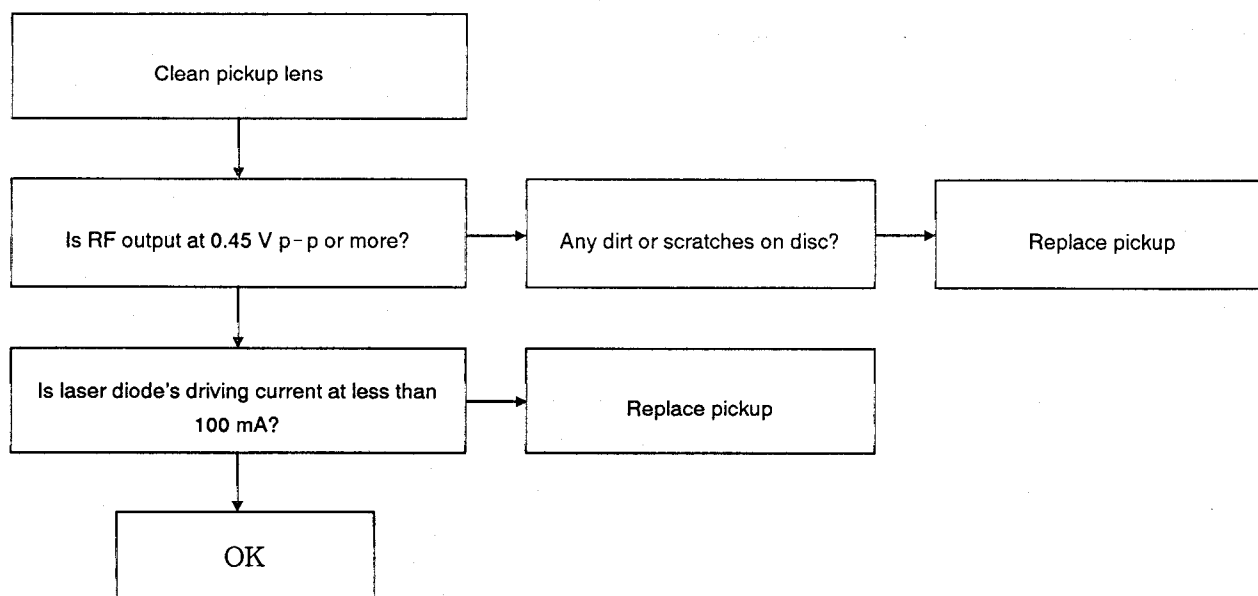
■ Pickup maintenance

(1) Checking the service life of laser diode

If a laser diode reaches the end of its service life, the following phenomena will show up. Similar symptoms may also appear when the pickup lens becomes too dirty. In this case, clean the lens.

- 1) The RF output (between IC601 ⑦ and ⑱(GND)) lowers.
- 2) The driving current, necessary for the laser diode to emit lights, increases. (Calculate from the voltage level at both ends of the R614 at 10 Ω .)

◆ Following the flow chart shown below, check the service life.



◆ How to measure laser diode's driving current

After connecting a voltmeter at both ends of the R614(10 Ω), measure the voltage during playback. If the voltage level is at 1.0 V or more, the service life of the laser diode has expired.

Laser diode's driving current (A)

= Voltage level at both ends of R614 (V)/10 (Ω)

When voltage level is at 1.0 V:

$1.0 \text{ V}/10 \Omega = 0.1 \text{ A} = 100 \text{ mA}$

Note:

The laser diode easily breaks down. Be sure to turn the power off before connecting a voltmeter.

◆ HOW TO OPERATE THE CD SELF - DIAGNOSIS FUNCTION

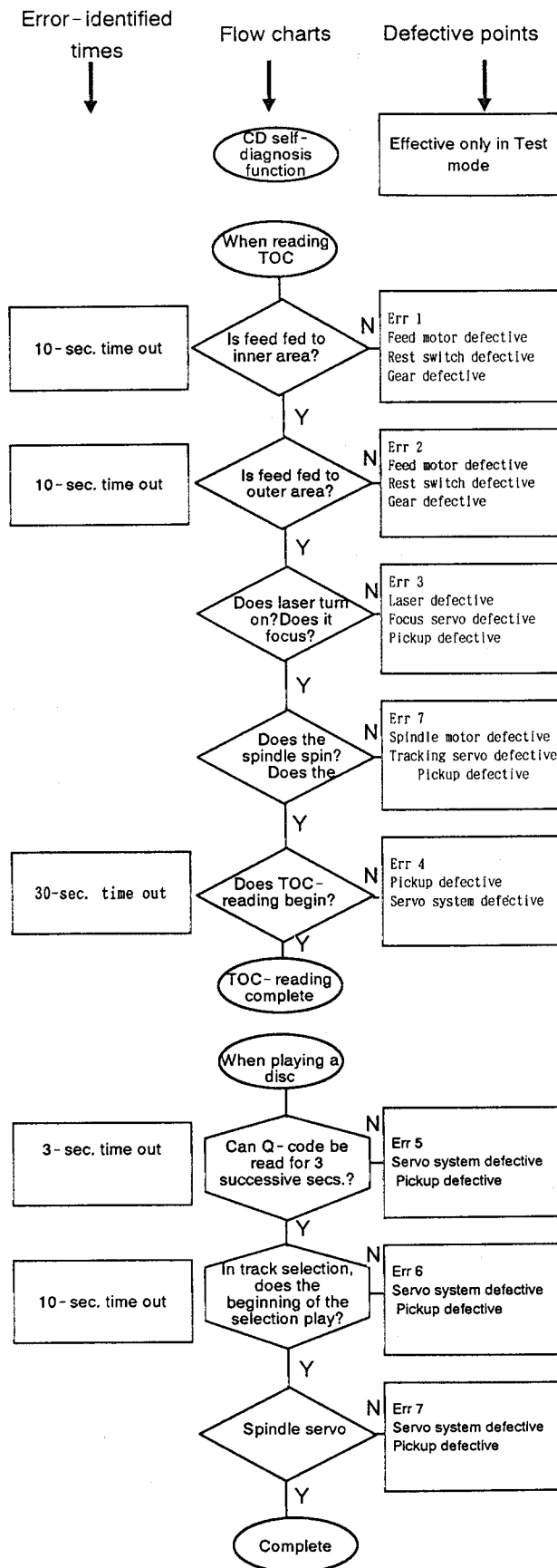
◆ The CD Self-diagnosis Function

If any malfunction occurs in the CD player, this system can be set to make an error code indication appear on the LCD to point out the defective parts. This efficiently helps service personnel find the causes of the malfunction.

1. Operation

- 1 Press the three **■/CLEAR**, **+10** and **POWER** buttons on the remote control to enter the Test mode. (Then the illuminating portions of the LCD all light up together. This indicates that the system has entered the Test mode.)
- 2 Play a CD. If the operation is defective in any way, an error code should appear on the LCD.
- 3 Identify the point of malfunction in accordance with the error code displayed.

2. Error codes & defective points



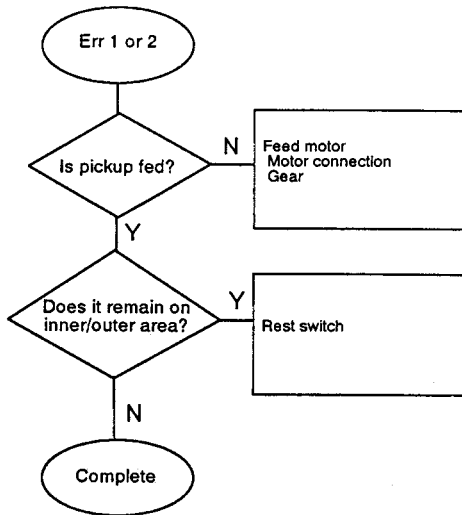
Error-identified times



Flow charts



Defective points



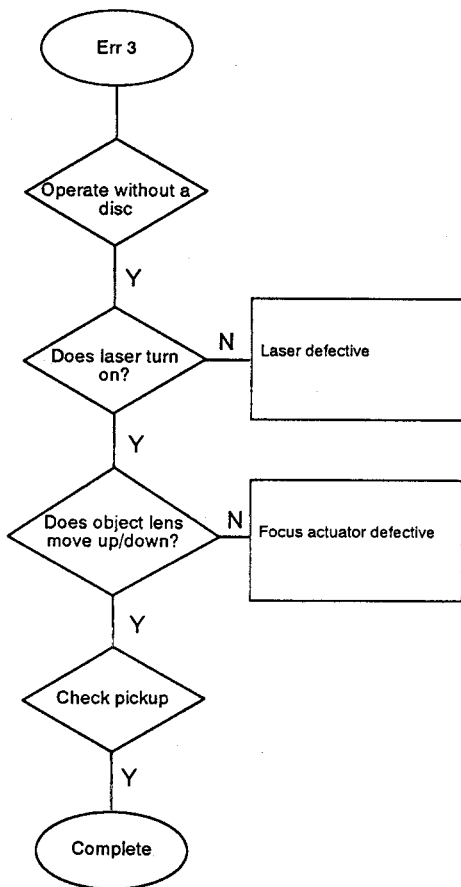
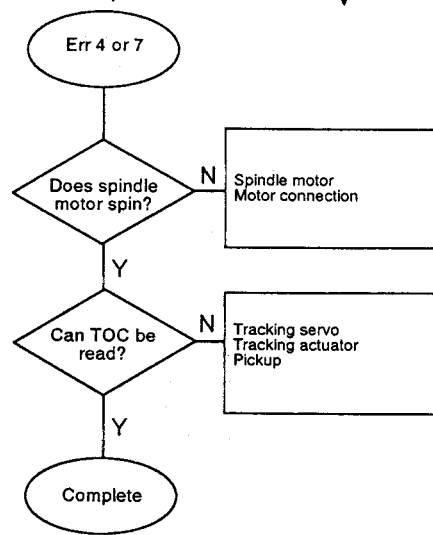
Error-identified times



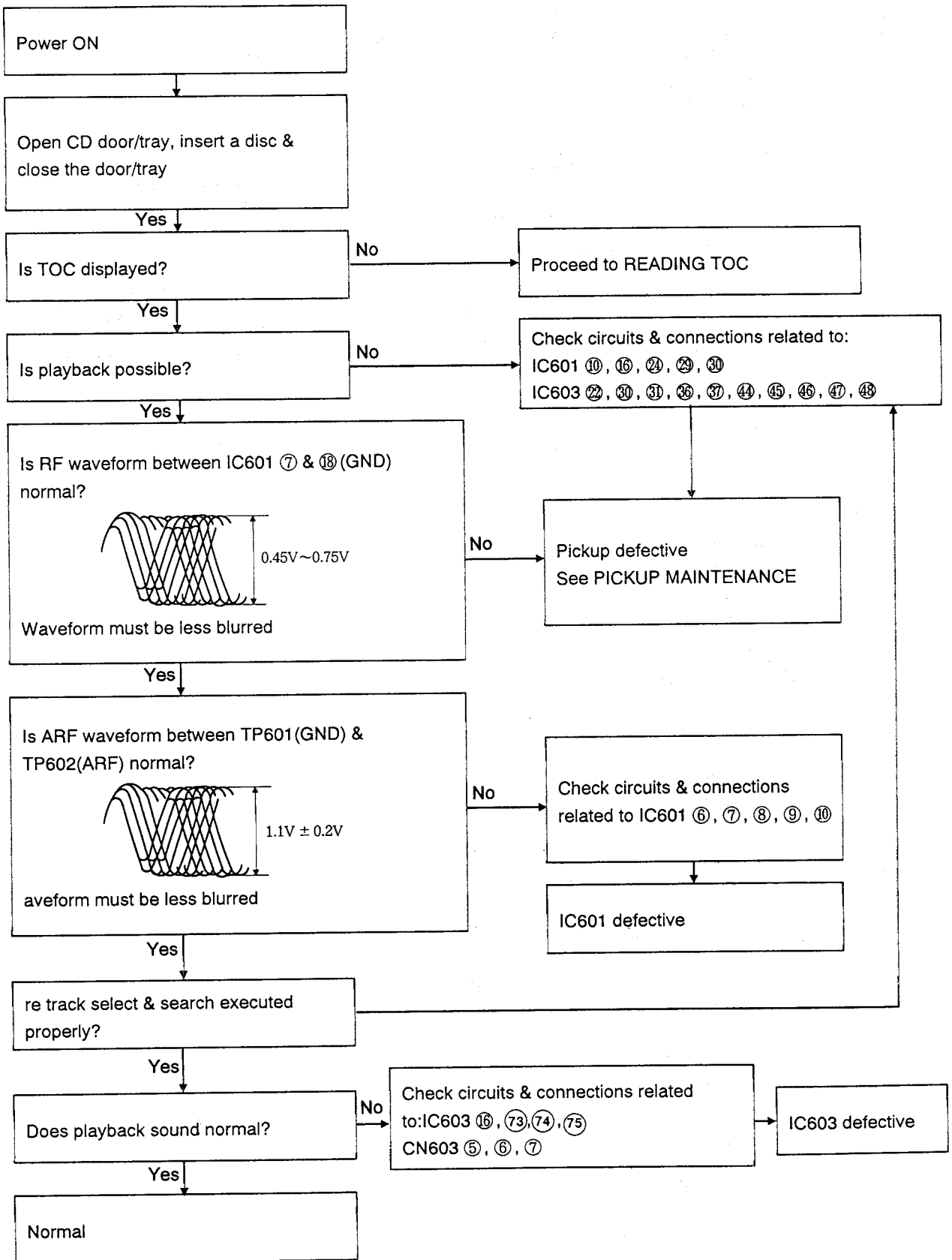
Flow charts



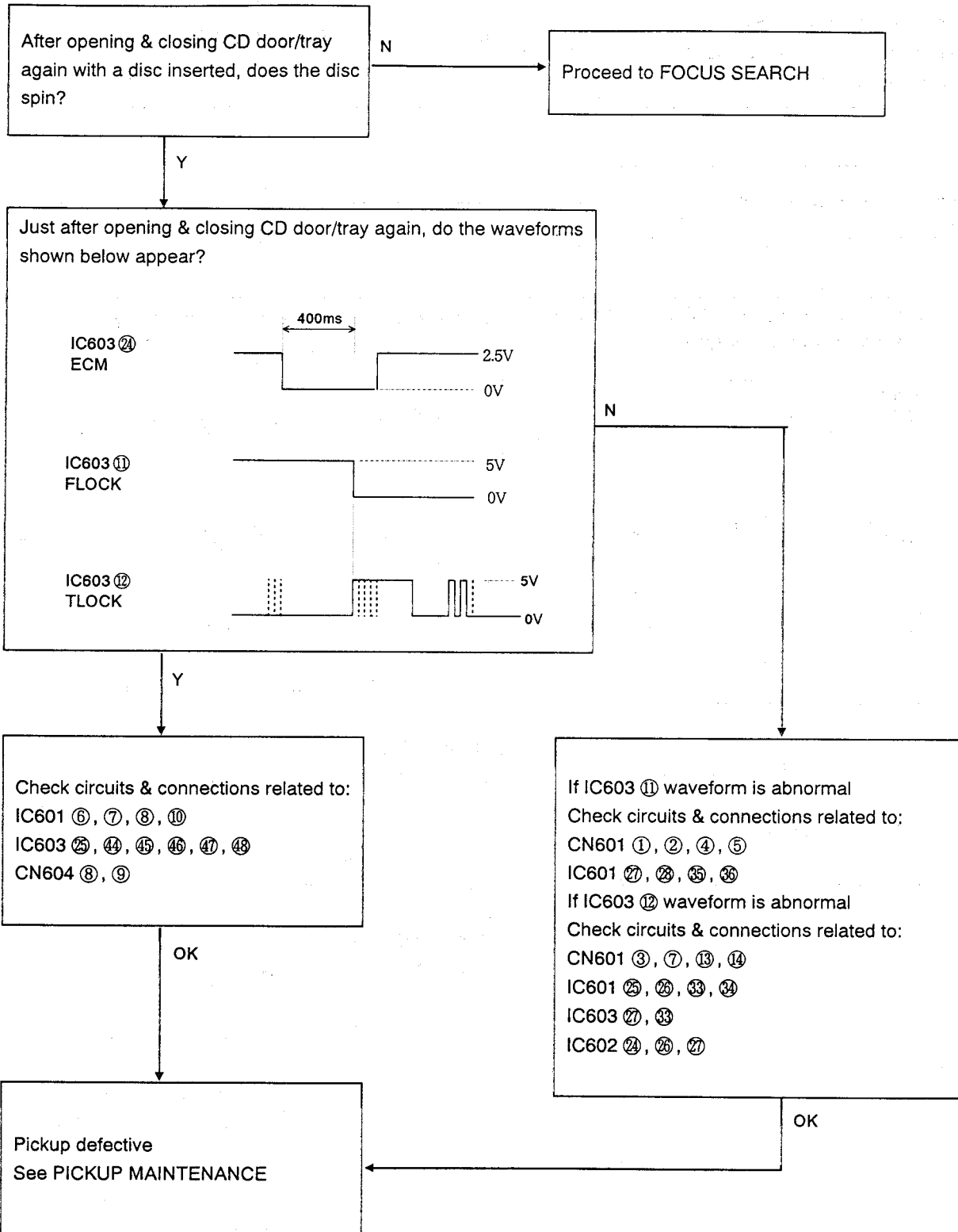
Defective points



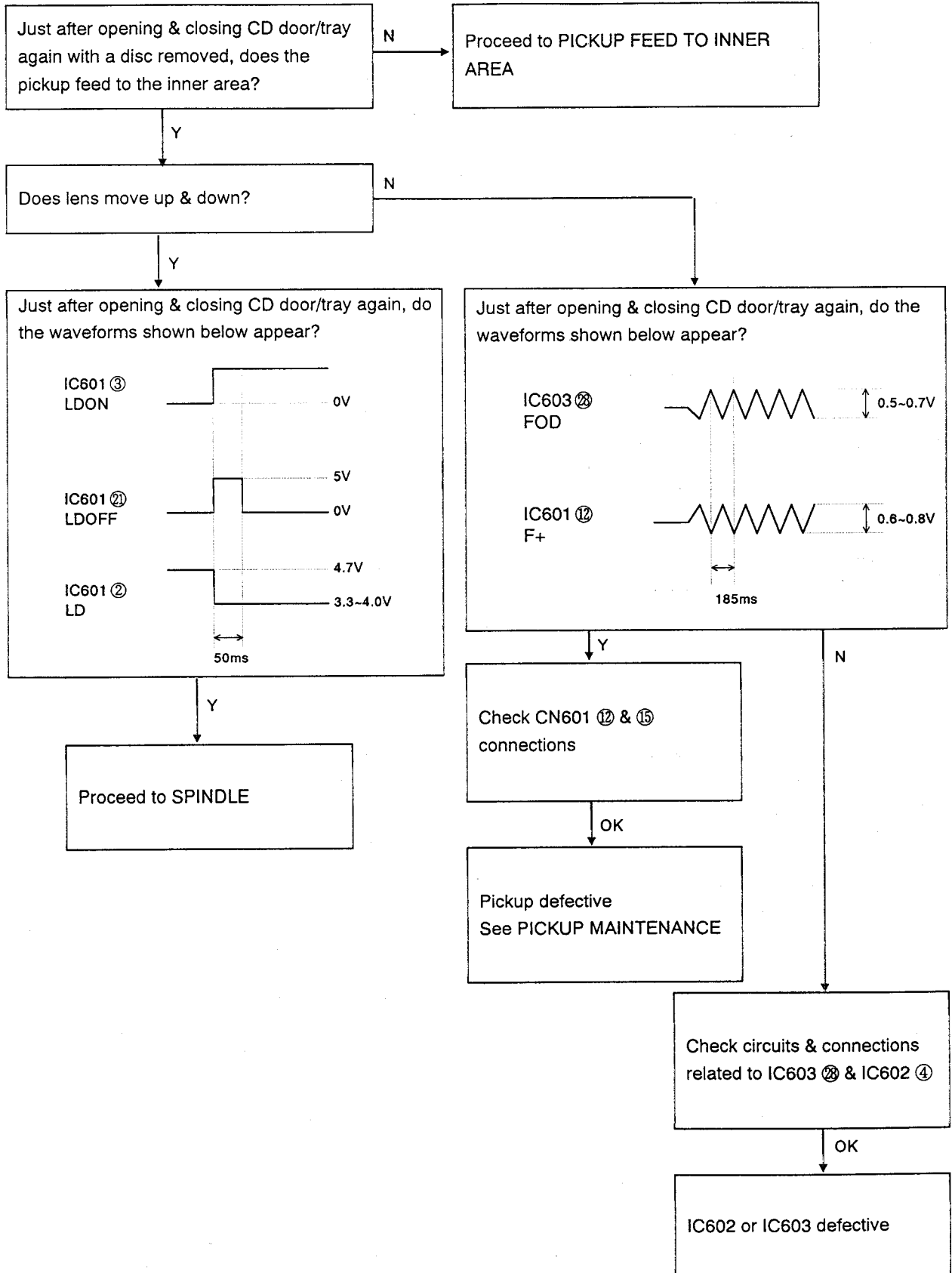
◆ General



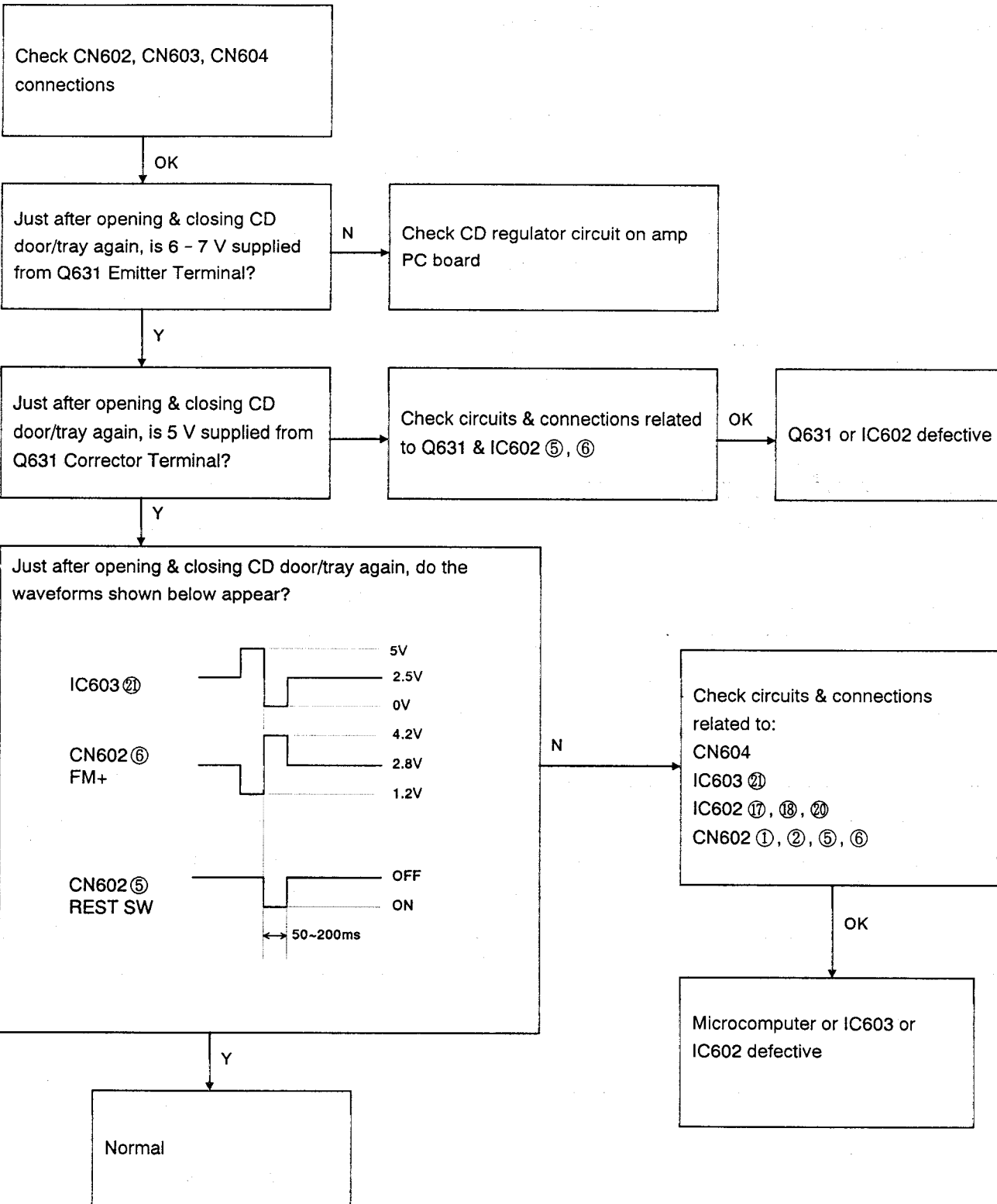
◆ Reading TOC



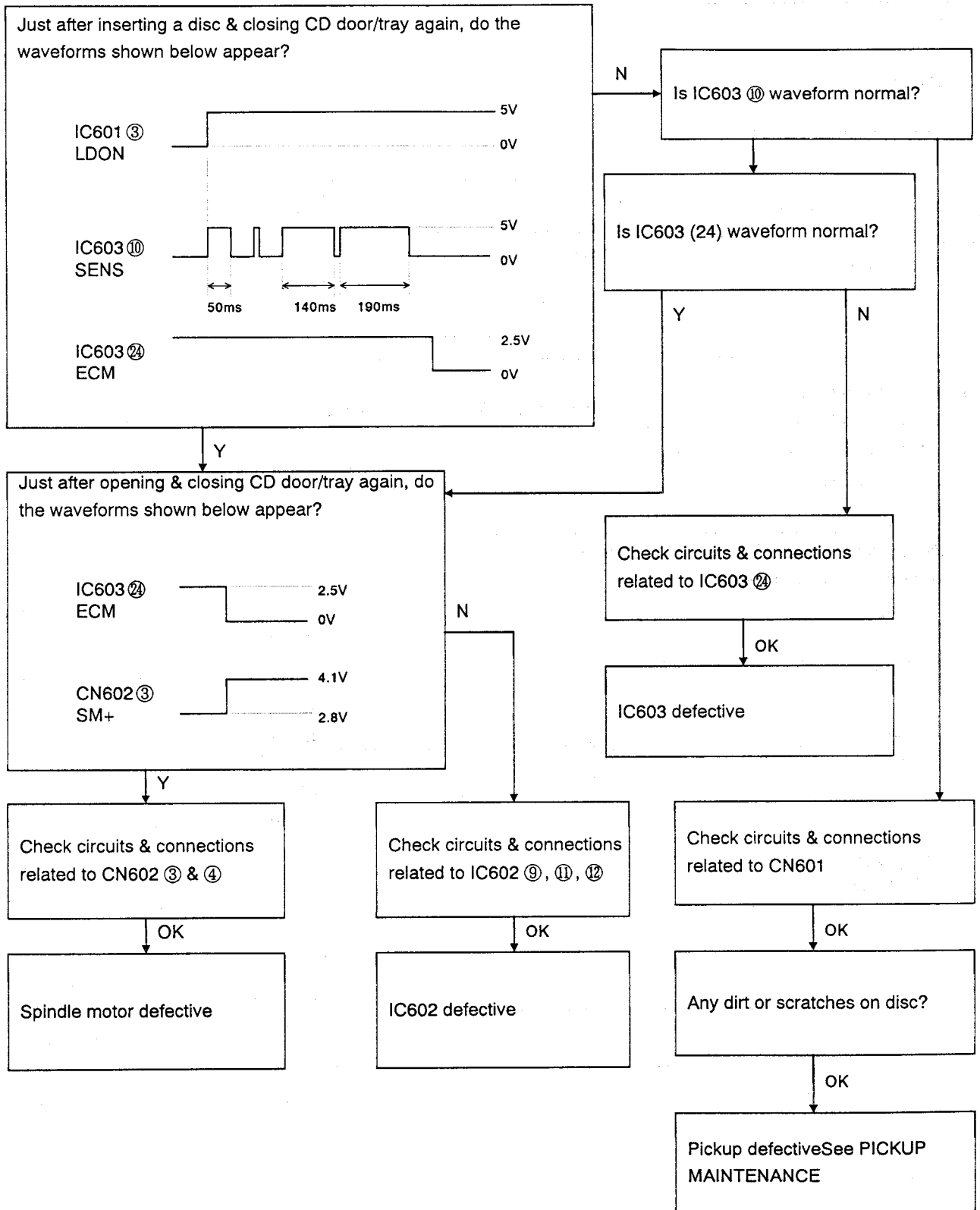
◆ Focus search



◆ Pickup feed to inner area



◆ Spindle



8. Main IC Block Diagram

■ Integrated circuit diagram

■ IC2 (LC72136) PLL

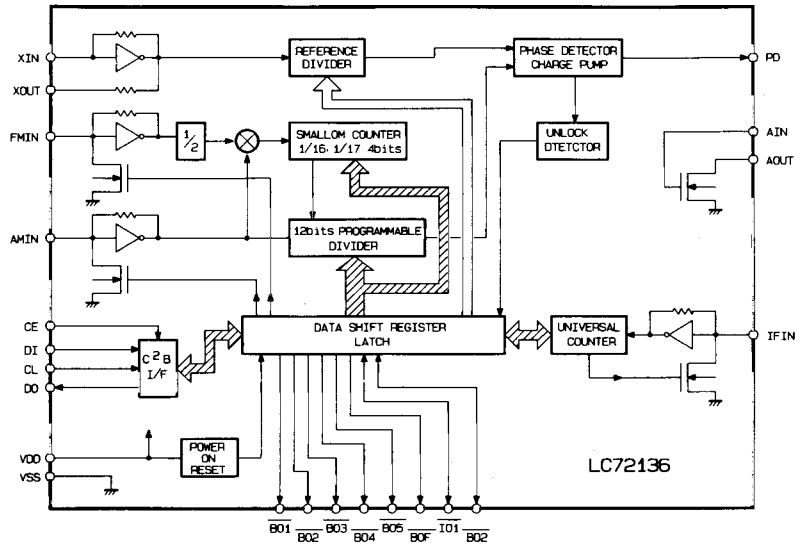
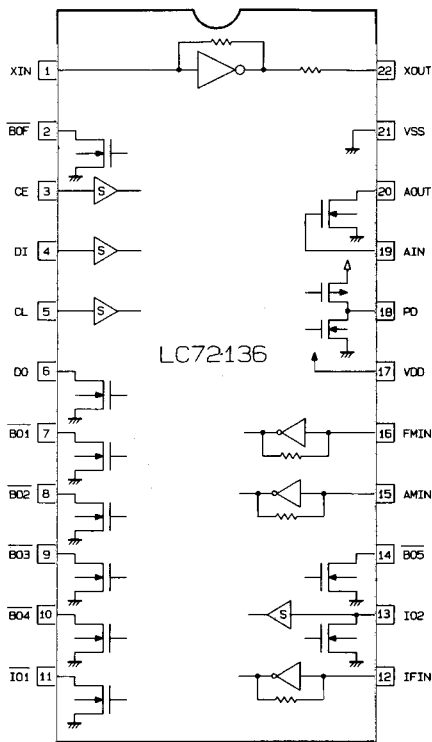


Fig. 8-1

■ IC1 (TA2057N) IF & MPX

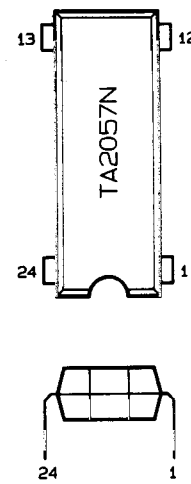
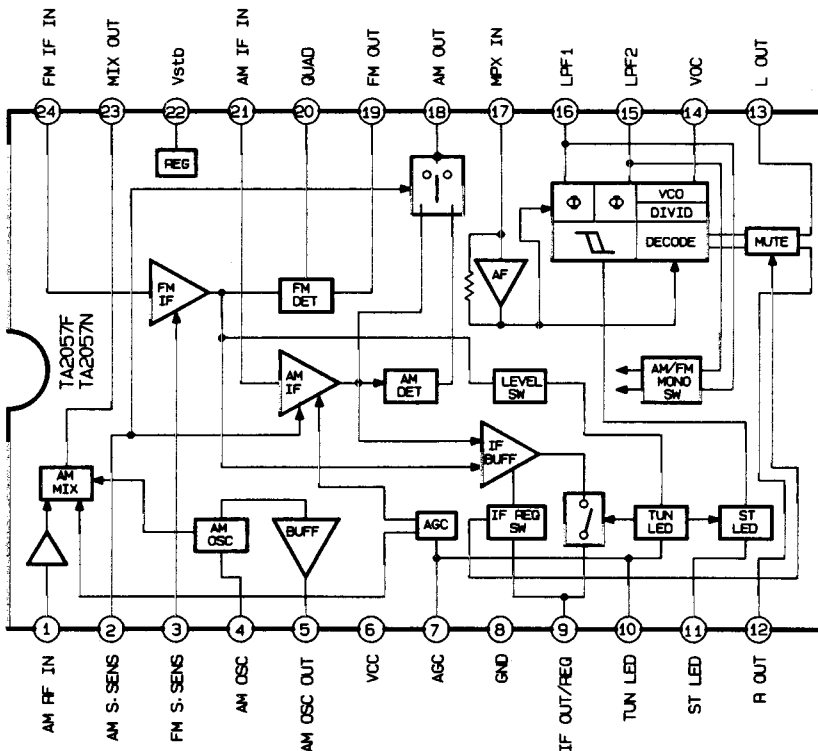
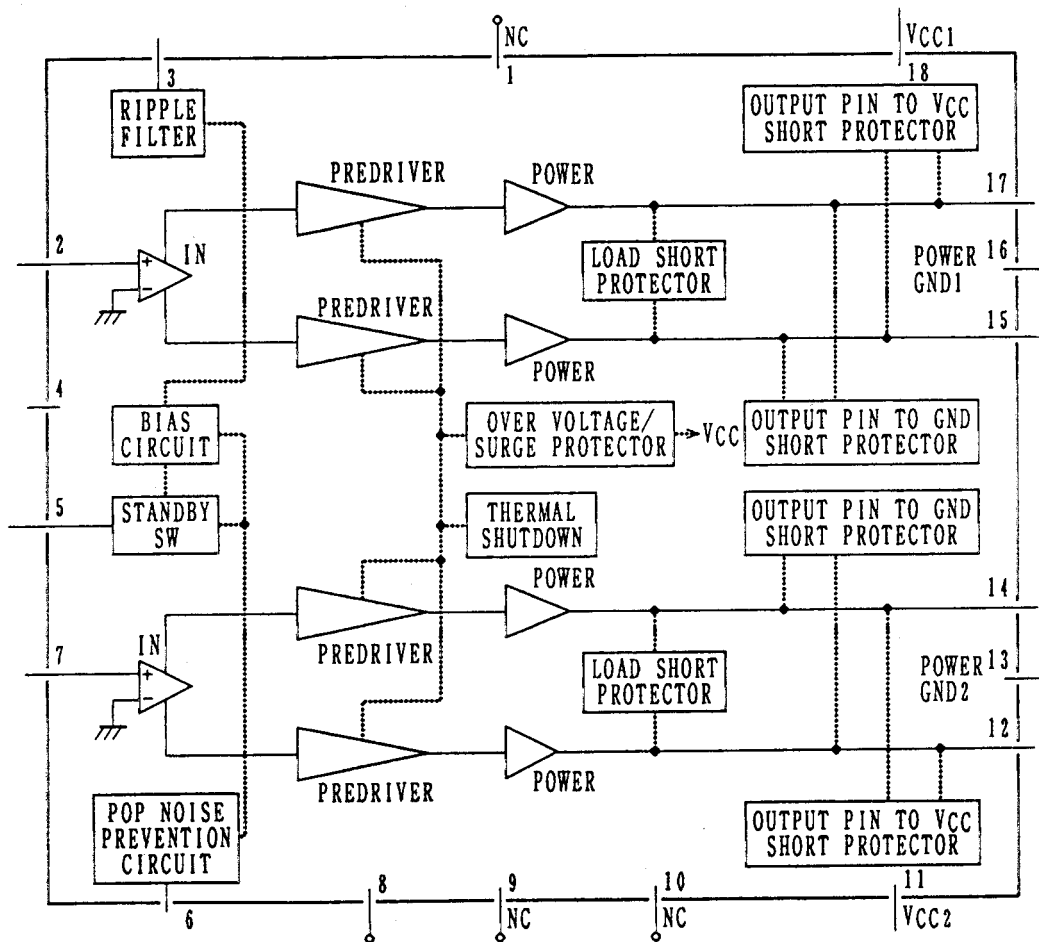


Fig. 8-2

■ IC31: LA4705NA (POWER AMPLIFIER)



■ IC701 : UPD78063GF Terminal's Function Table

Pin No.	Symbol	I/O	Function
1	SDATA	I/O	Serial data (TUNER PLL)
2	SCK	0	Serial clock (TUNER PLL)
3	SUBQ	I	CD Q cord data
4	NC	0	Non connection
5	SQCK	0	Sincro clock of CD Q cord data
6	IC		Connect to Vss
7	X2		Main system clock 4.19MHz
8	X1	I	Main system clock 4.19MHz
9	Vdd		Power source
10	XT1	I	Sub system clock 32.768kHz
11	XT2		Sub system clock 32.768kHz
12	RESET	I	Reset
13	REM	I	Remote control unit
14	NC	I	Non connection
15	VOL A	I	Volume encorder A
16	BEAT 2	0	Main clock selector 2
17	BEAT 1	0	Main clock selector 1
18	+ BCTL	0	Switched 5V control (H = 5V off)
19	XRESET	0	CD LSI reset
20	MCLK	0	CD LSI comand clock
21	MDATA	0	CD LSI comand data
22	MLD	0	CD LSI comand load
23	MTO	0	CD door motor
24	MT1	0	CD door motor
25	DIMMER	0	Backlight brilliant (H = normal,L = dimmer)
26	F.AUX	0	Fuction AUX (L = by AUX)
27	AVss		AD convertor ground
28	SAFETY2	I	Detection 2 for avnormal power voltage
29	DOOR	I	Reset/open/close switch
30	SAFETY1	I	Detection 1 for avnormal power voltage
31	SAFETY0	I	Detection 0 for avnormal power voltage
32	KEY 1	I	Set key input 1
33	KEY 0	I	Set key input 0 (Included to Version select)
34	MTS	0	Door motor speed (L = Normal, H = Slow)
35	LO.MUTE	0	Line out mute
36	AVdd		Power source for AD convertor (Vdd = same)
37	AVref		Reference power voltage for AD convertor
38	BUP	I	Distinction of backup power source (H = Backup)
39	F.TUNER	0	Function Tuner
40	Vss		Ground

Pin No.	Symbol	I/O	Function
41	MPX	I	Detection of FM stereo (L = Stereo)
42	PERIOD	0	Stolove of Tuner PLL
43	VOL B	I	Volume encorder B
44	BASS	0	Bass control (PWM)
45	TRE	0	Treble control (PWM)
46	VOL	0	Volume control (PWM)
47	S.BASS	0	S.BASS ON/OFF (ON = L, OFF = H)
48	S.MUTE	0	System mute (mute = L)
49	P.OUT	0	Power on/off
50	F.CD	0	Function CD (CD = L)
51	COM 0	0	LCD Remote control unit terminal 0
52	COM 1	0	LCD Remote control unit terminal 1
53	COM 2	0	LCD Remote control unit terminal 2
54	COM 3	0	LCD Remote control unit terminal 3
55	BIAS		LCD bias power voltage
56	VLC 0		LCD bias power voltage
57	VLC 1		LCD bias power voltage
58	VLC 2		LCD bias power voltage
59	Vss		Ground
60	S0	0	LCD segment 0
61	S1	0	LCD segment 1
62	S2	0	LCD segment 2
63	S3	0	LCD segment 3
64	S4	0	LCD segment 4
65	S5	0	LCD segment 5
66	S6	0	LCD segment 6
67	S7	0	LCD segment 7
68	S8	0	LCD segment 8
69	S9	0	LCD segment 9
70	S10	0	LCD segment 10
71	S11	0	LCD segment 11
72	S12	0	LCD segment 12
73	S13	0	LCD segment 13
74	S14	0	LCD segment 14
75	S15	0	LCD segment 15
76	S16	0	LCD segment 16
77	S17	0	LCD segment 17
78	S18	0	LCD segment 18
79	S19	0	LCD segment 19
80	S20	0	LCD segment 20

Pin No.	Symbol	I/O	Function
81	S21	0	LCD segment 21
82	S22	0	LCD segment 22
83	S23	0	LCD segment 23
84	S24	0	LCD segment 24
85	S25	0	LCD segment 25
86	S26	0	LCD segment 26
87	S27	0	LCD segment 27
88	S28	0	LCD segment 28
89	S29	0	LCD segment 29
90	S30	0	LCD segment 30
91	S31	0	LCD segment 31
92	S32	0	LCD segment 32
93	S33	0	LCD segment 33
94	S34	0	LCD segment 34
95	S35	0	LCD segment 35
96	S36	0	LCD segment 36
97	S37	0	LCD segment 37
98	S38	0	LCD segment 38
99	S39	0	LCD segment 39
100	STATUS	I	

9. Block Diagram

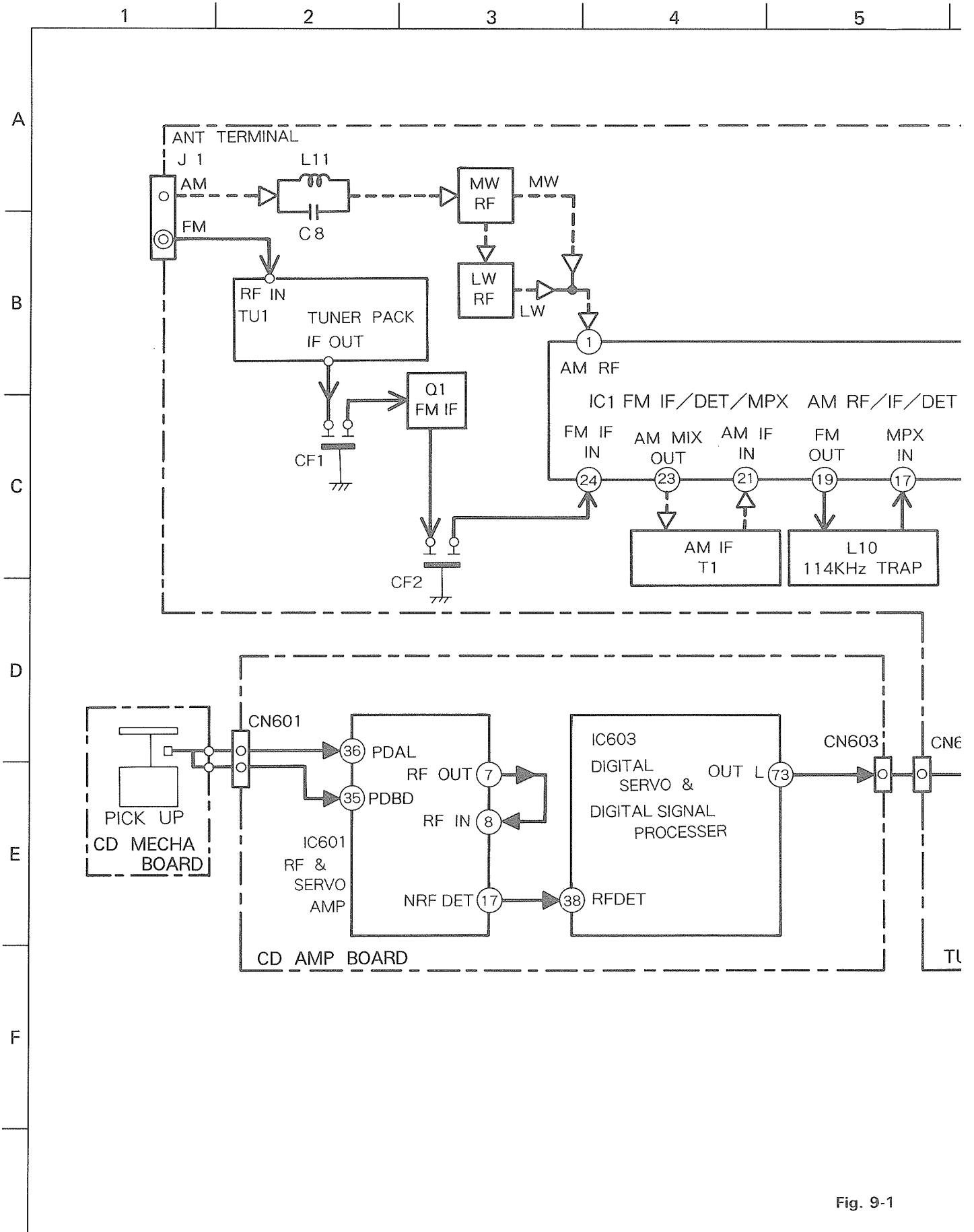


Fig. 9-1

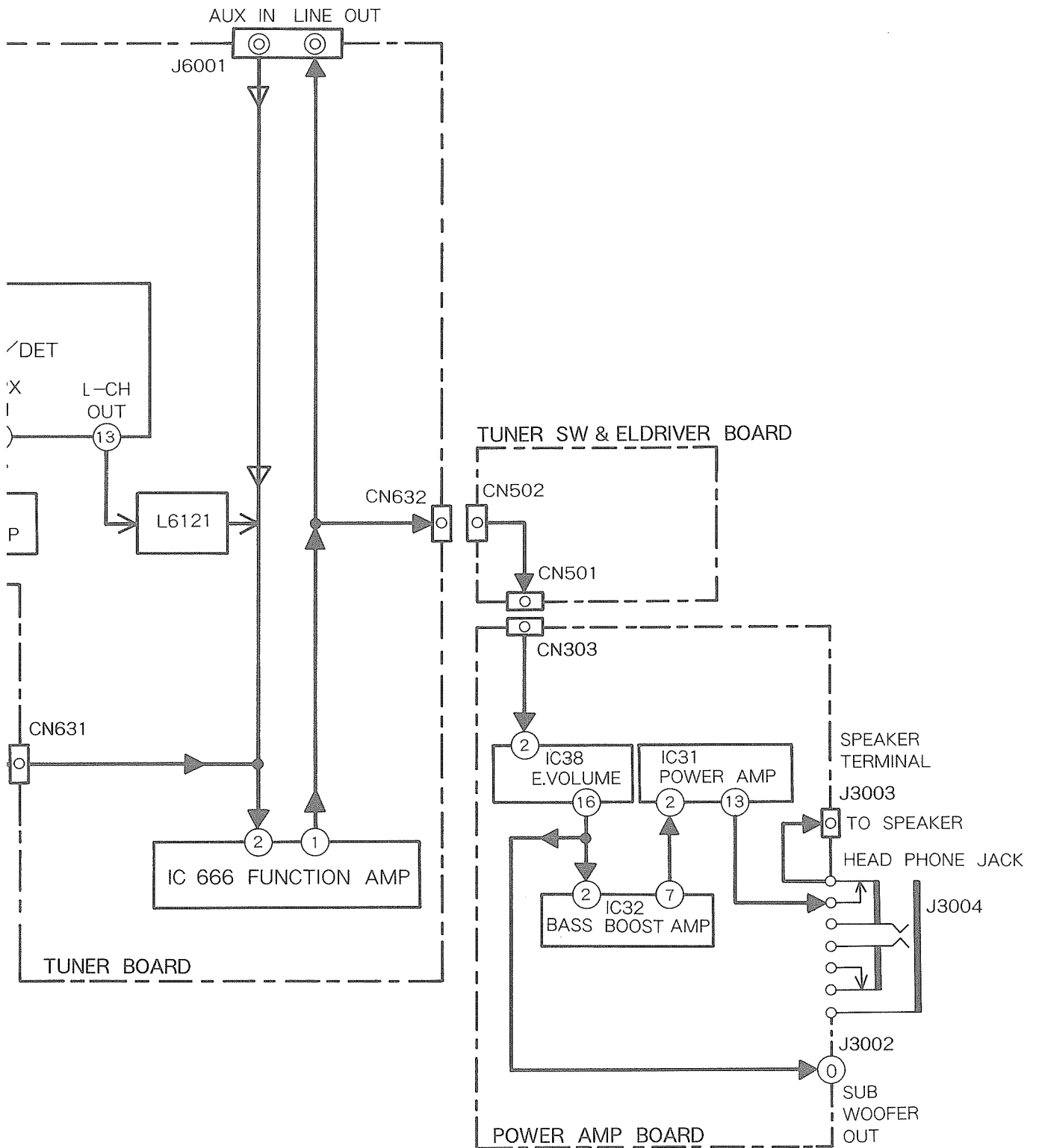
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10. Wiring Connections

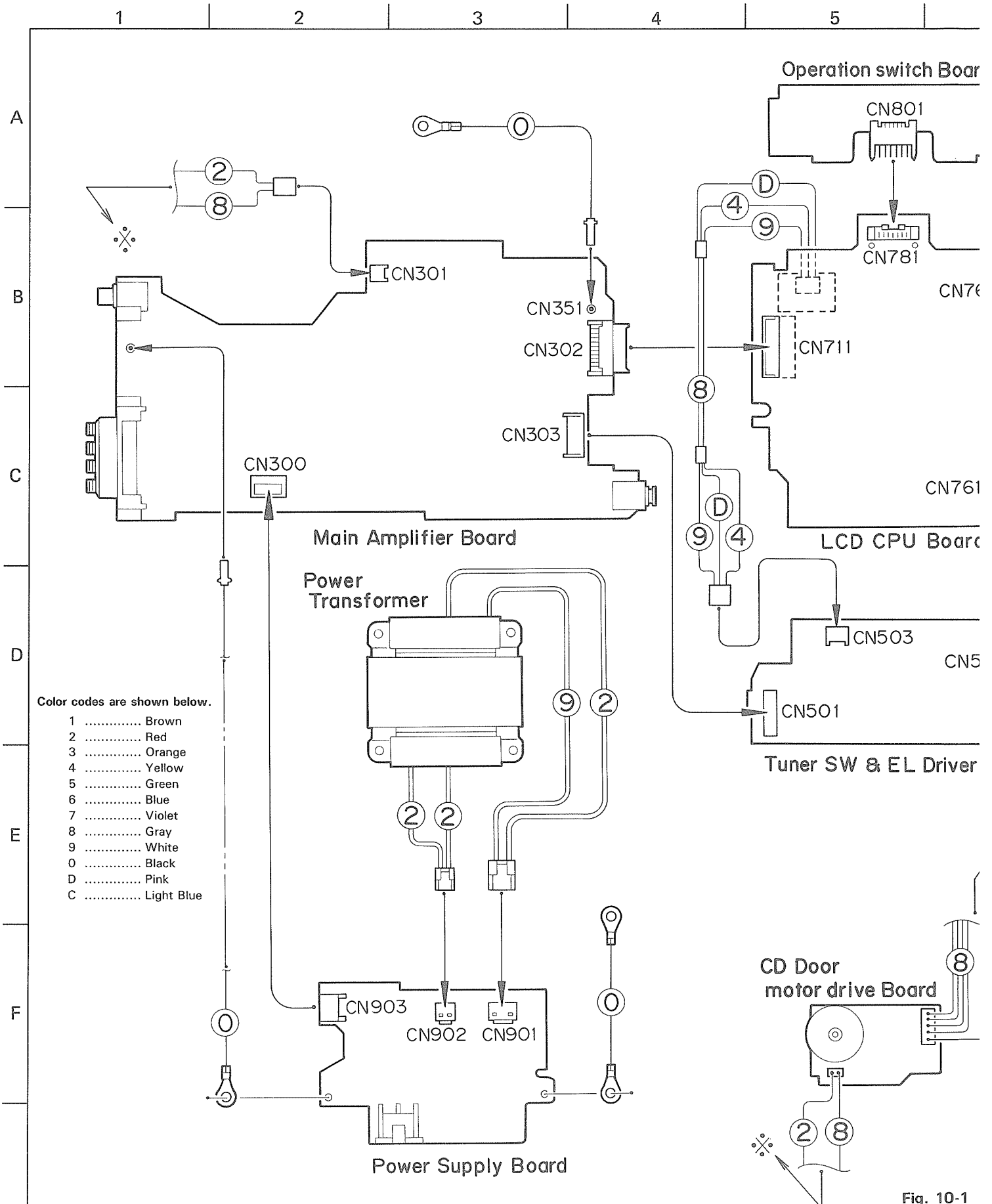


Fig. 10-1

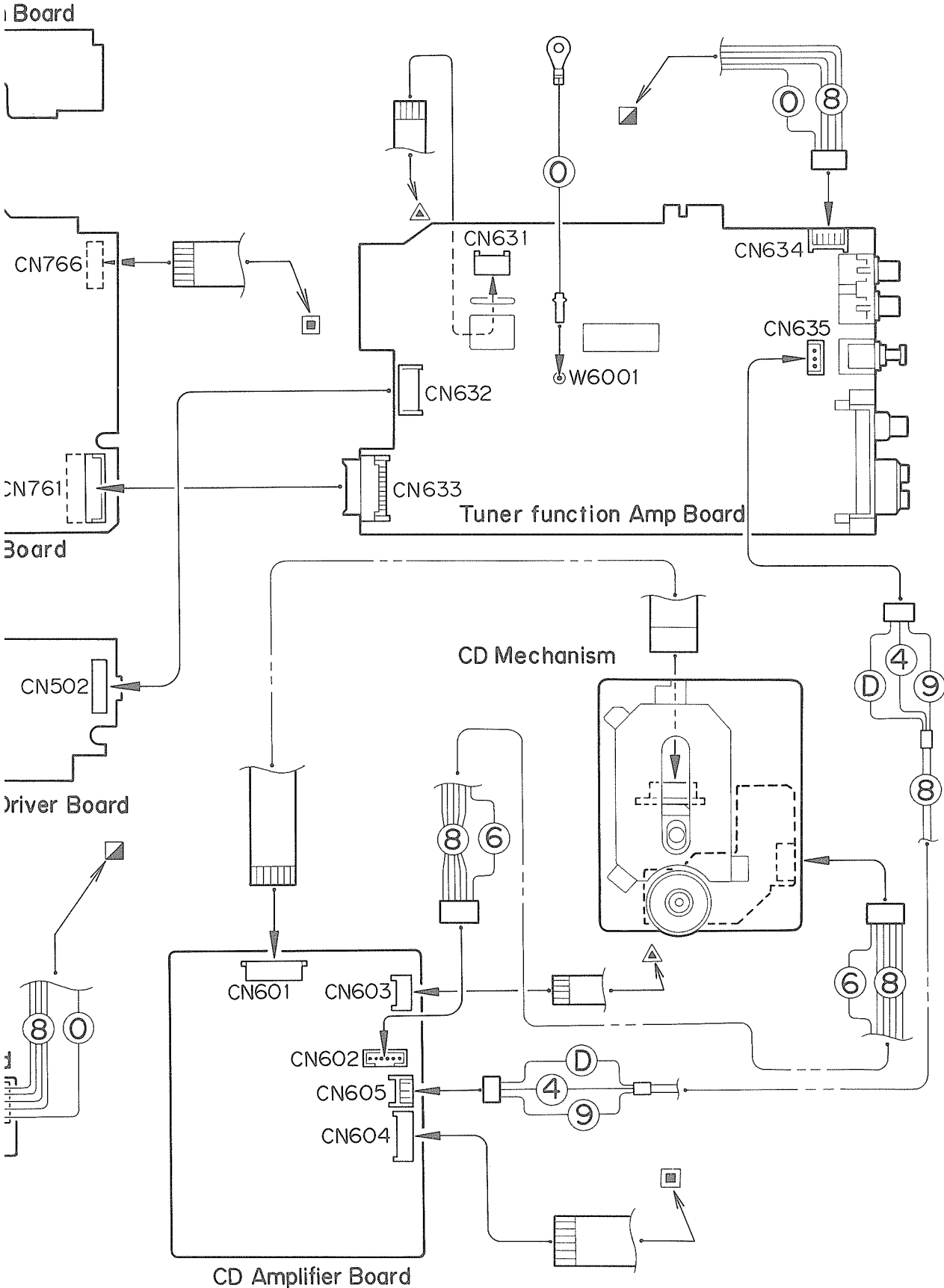
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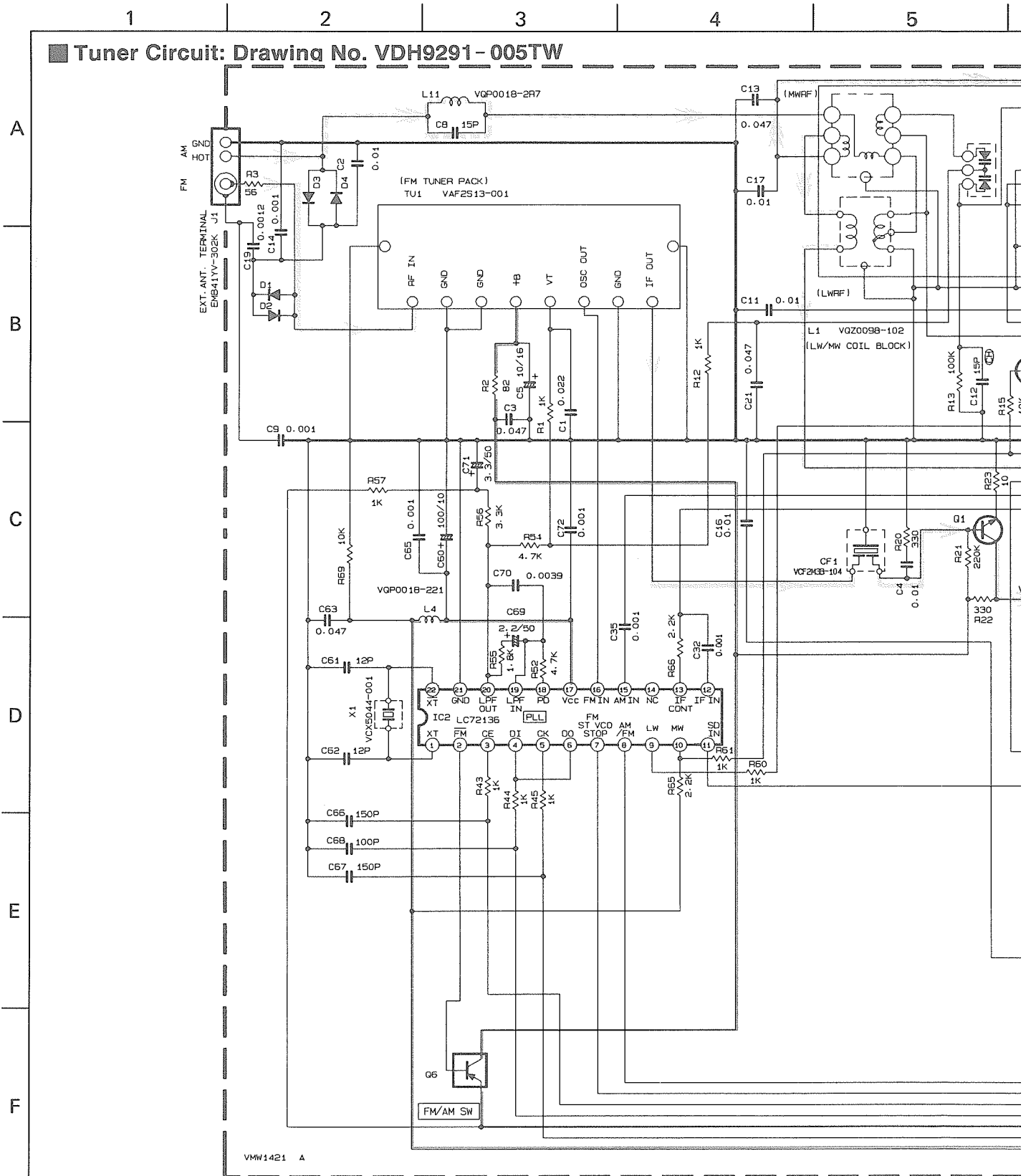
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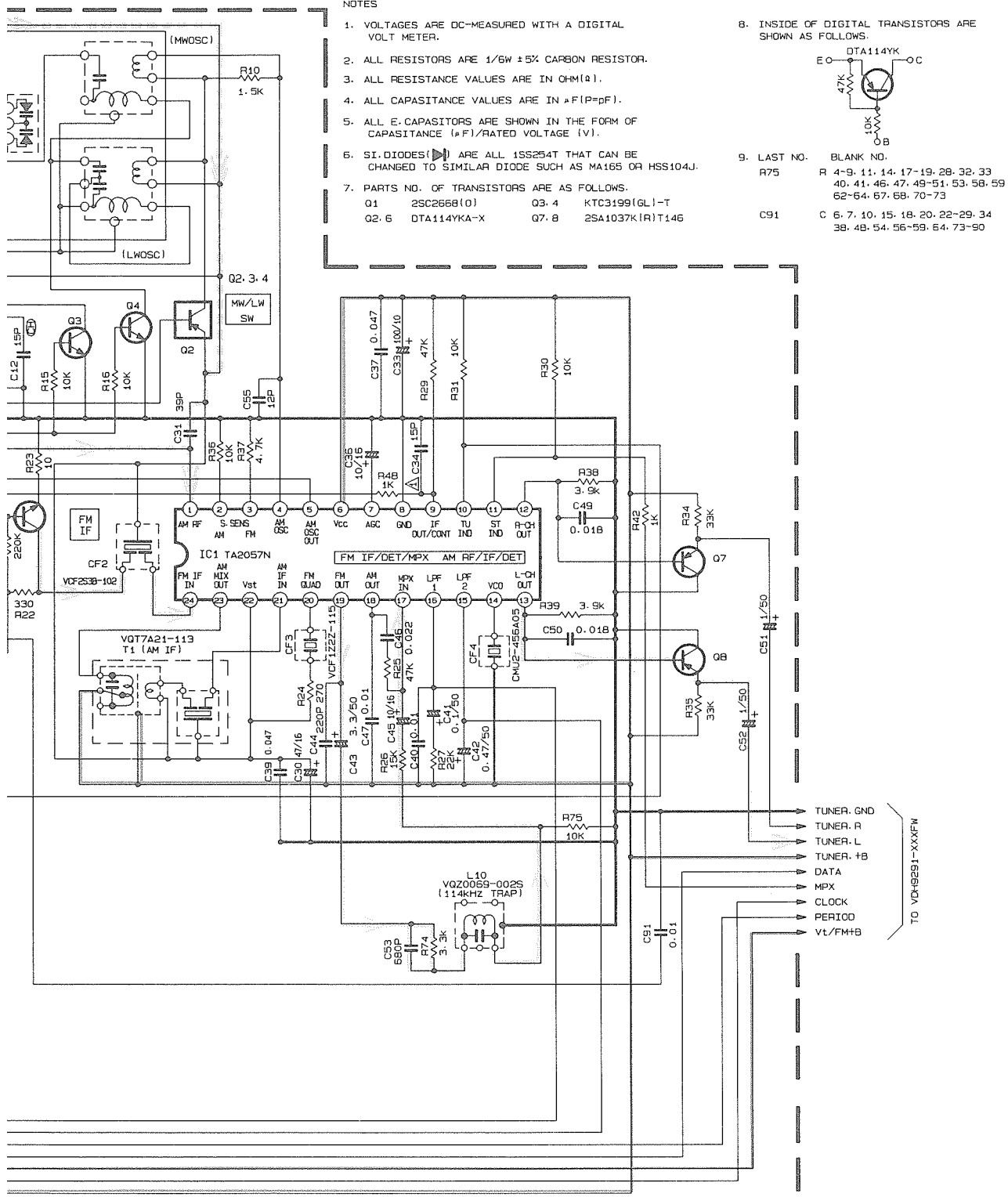


11. Standard Schematic Diagram



	CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL		2.0	0.5	0	2.0	5.2	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.6	3.9	3.9	1.4	0	1.3	1.1	2.0	2.0	5.2	2.0
	FM 60dB STEREO		2.0	0.5	0	2.0	5.2	5.2	1.1	0	0.3	0	0	1.1	1.1	4.5	4.1	3.9	1.4	0	1.4	1.1	2.0	2.0	5.2	2.0
IC2	AM NO SIGNAL		2.0	0.5	0	2.0	5.0	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.8	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.2	2.0
	FM NO SIGNAL		2.4	0	0	5.1	4.9	5.1	3.9	3.9	2.0	4.1	5.2	0	0	0	0	2.6	5.2	1.0	1.0	3.7	0	2.7		

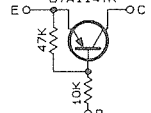
Tr NO.	
PIN NO.	
FM 87.5MHz NO SIG	
AM 522kHz NO SIG	
Tr NO.	
PIN NO.	
AM 522kHz NO SIG	
AM 1440kHz NO SIG	



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPASITANCE VALUES ARE IN pF(P=pF).
5. ALL E-CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (pF)/RATED VOLTAGE (V).
6. SI-DIODES (▶) ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS:
 Q1 2SC2668(O) Q3.4 KTC3199(6L1-T)
 Q2.6 DTA114YA-X Q7.8 2SA1037K(IR)T146

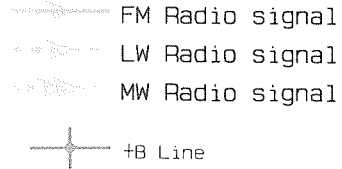
8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.



9. LAST NO. BLANK NO.
 R75 R 4-9, 11, 14, 17-19, 28, 32, 33
 40, 41, 46, 47, 49-51, 53, 58, 59
 62-64, 67, 68, 70-73
 C91 C 6, 7, 10, 15, 18, 20, 22-29, 34
 38, 48, 54, 56-59, 64, 73-90

Tr NO.	Q1			Q6			Q7			Q8		
Tr NO.	E	C	B	E	C	B	E	C	B	E	C	B
304Z NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1
304Z NO SIGNAL	0	0	0	8.6	0	6.7	1.6	0	1.1	1.6	0	1.1

Tr NO.	Q2			Q3			Q4					
Tr NO.	E	C	B	E	C	B	E	C	B			
304Z NO SIGNAL	2.0	2.0	0.1	0	0	0.7	0	0	0	0	0	0.7
304Z NO SIGNAL	2.0	2.0	2.0	0	0	0.1	0	0	0	0	0	0.1



CD Amplifier Circuit: Drawing No. VDH1010-001CW

A

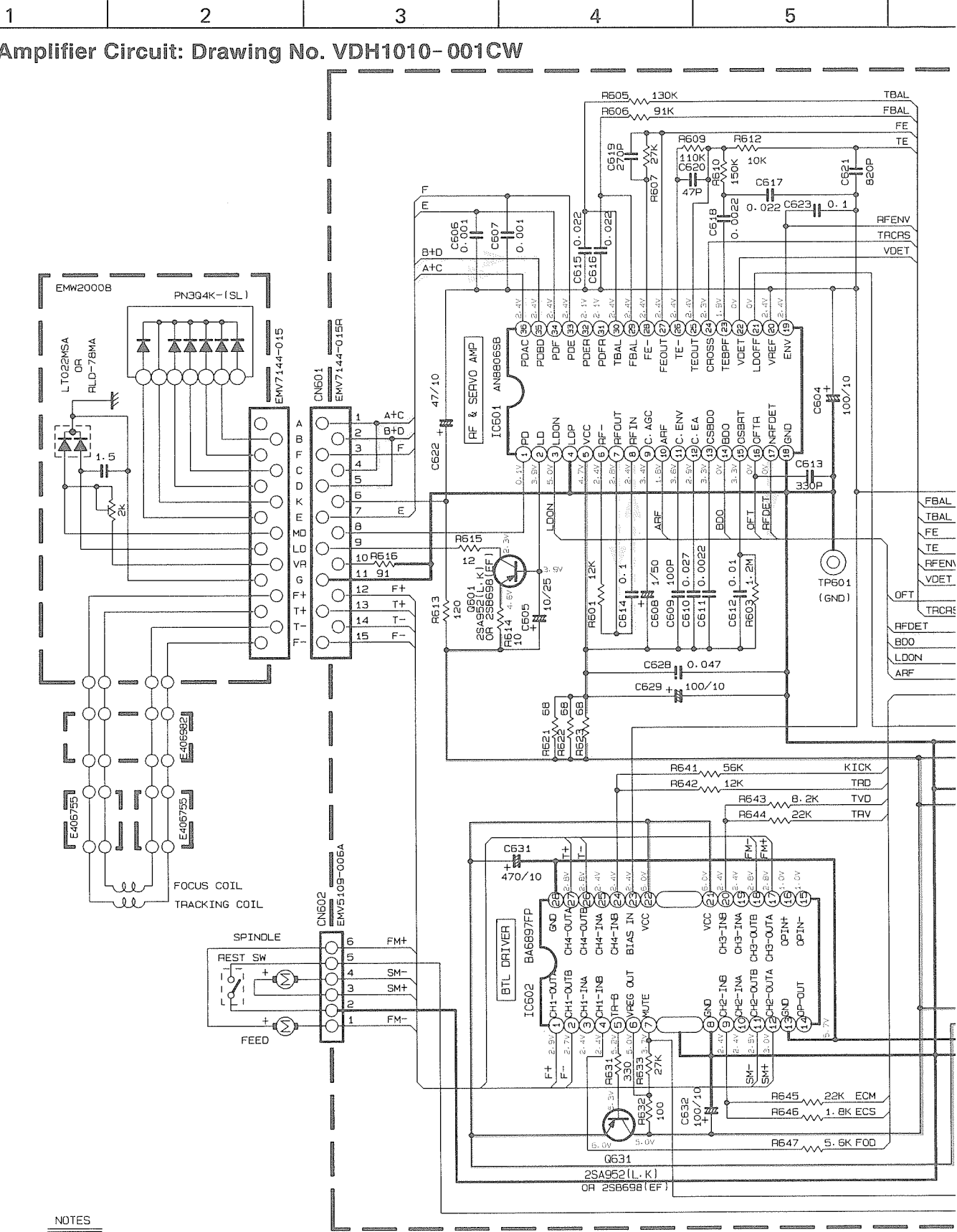
B

C

D

E

F



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN Ω(M)Ω. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN # F(P=pF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (P F)/RATED VOLTAGE (V).

Note : VDH1010001CW

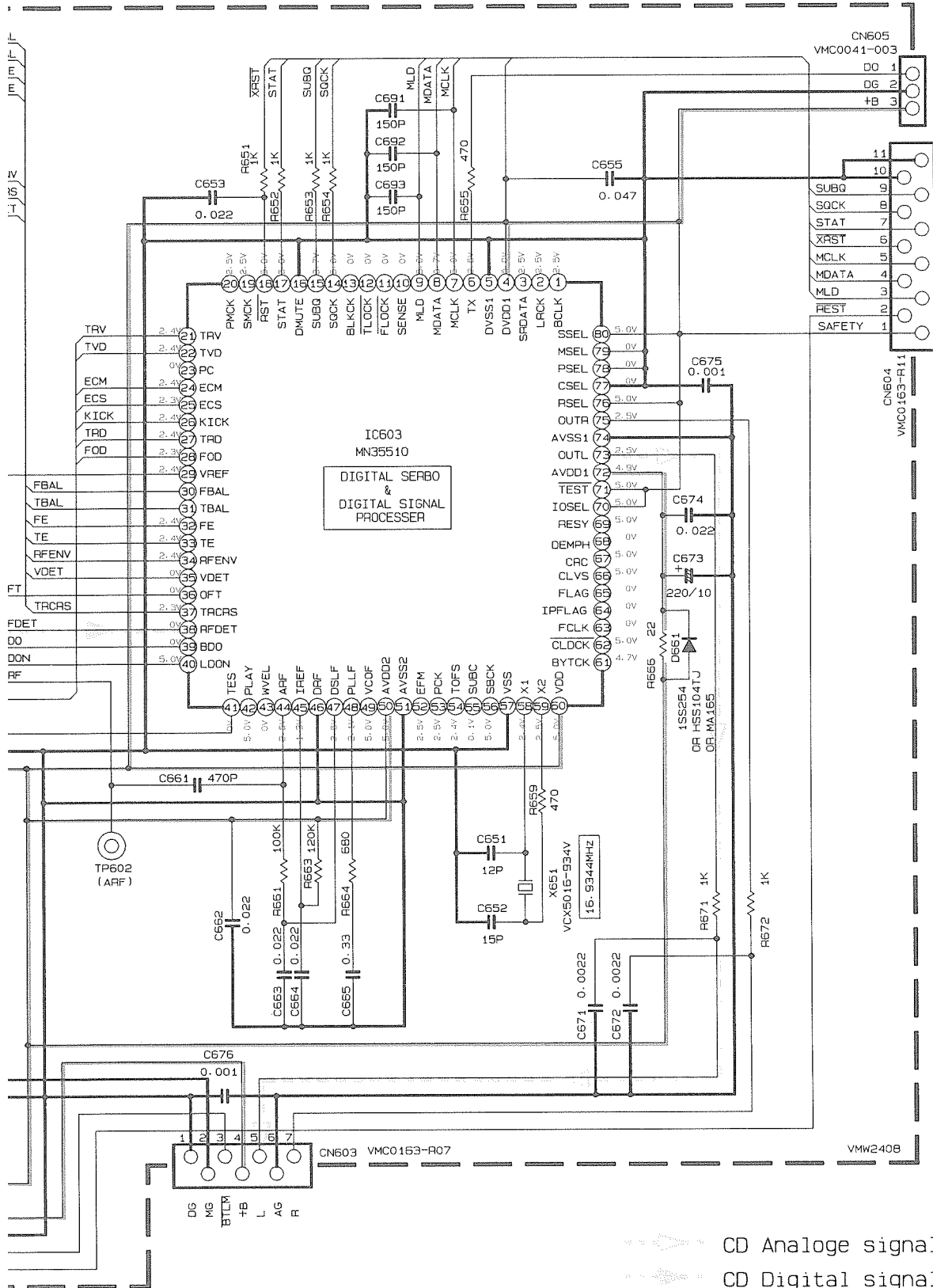
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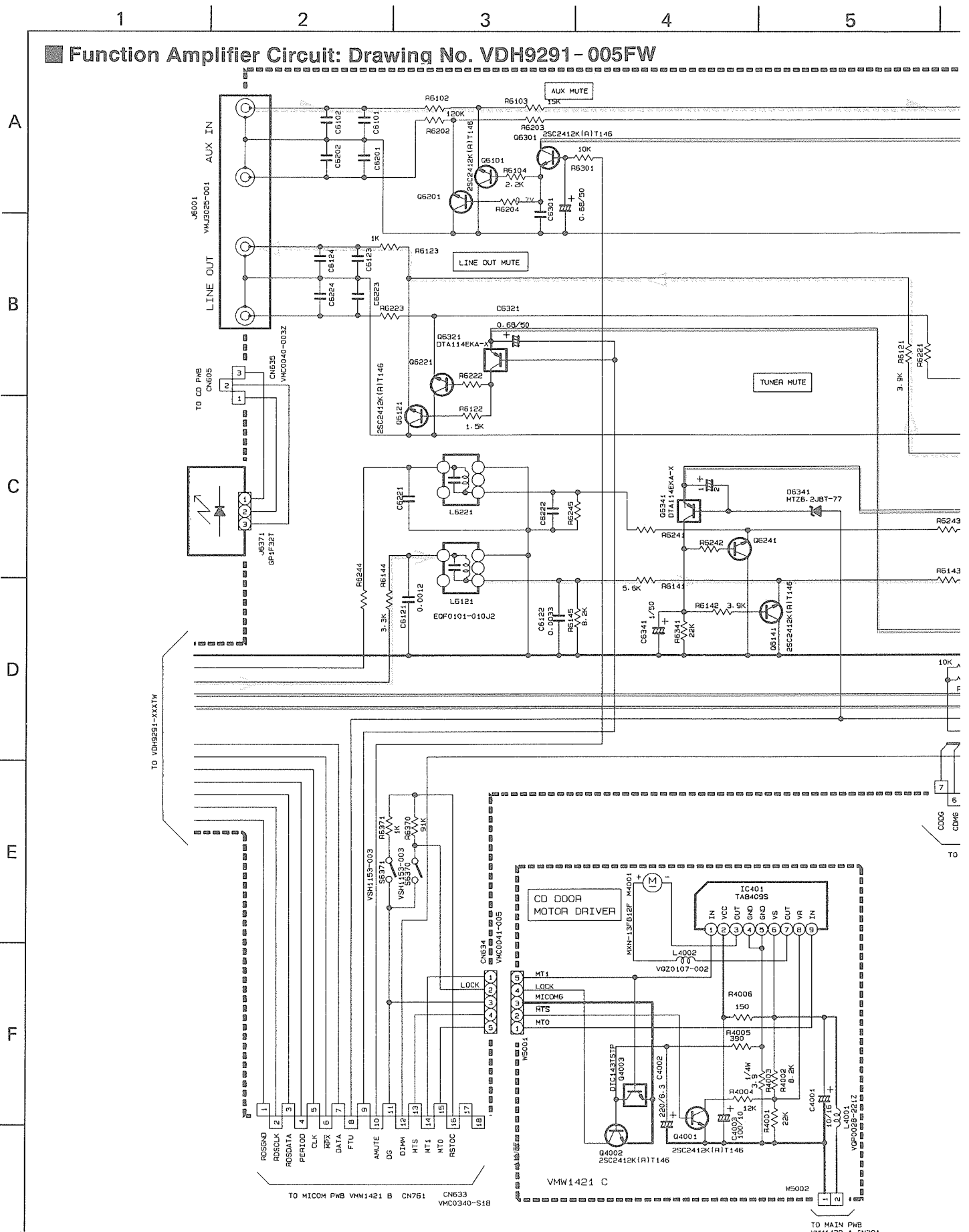
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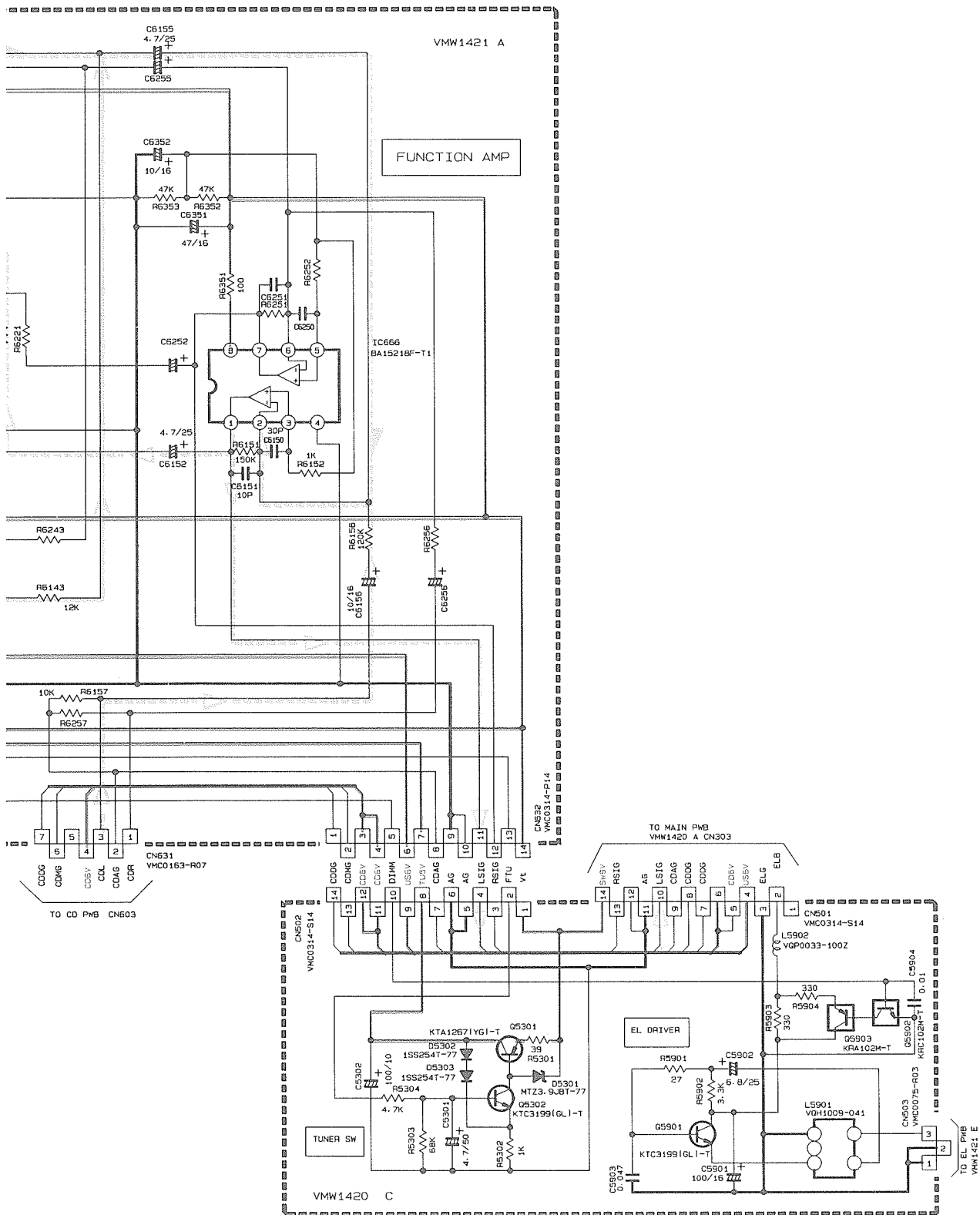
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 CD Analogue signal
 CD Digital signal
 +B Line

Function Amplifier Circuit: Drawing No. VDH9291-005FW



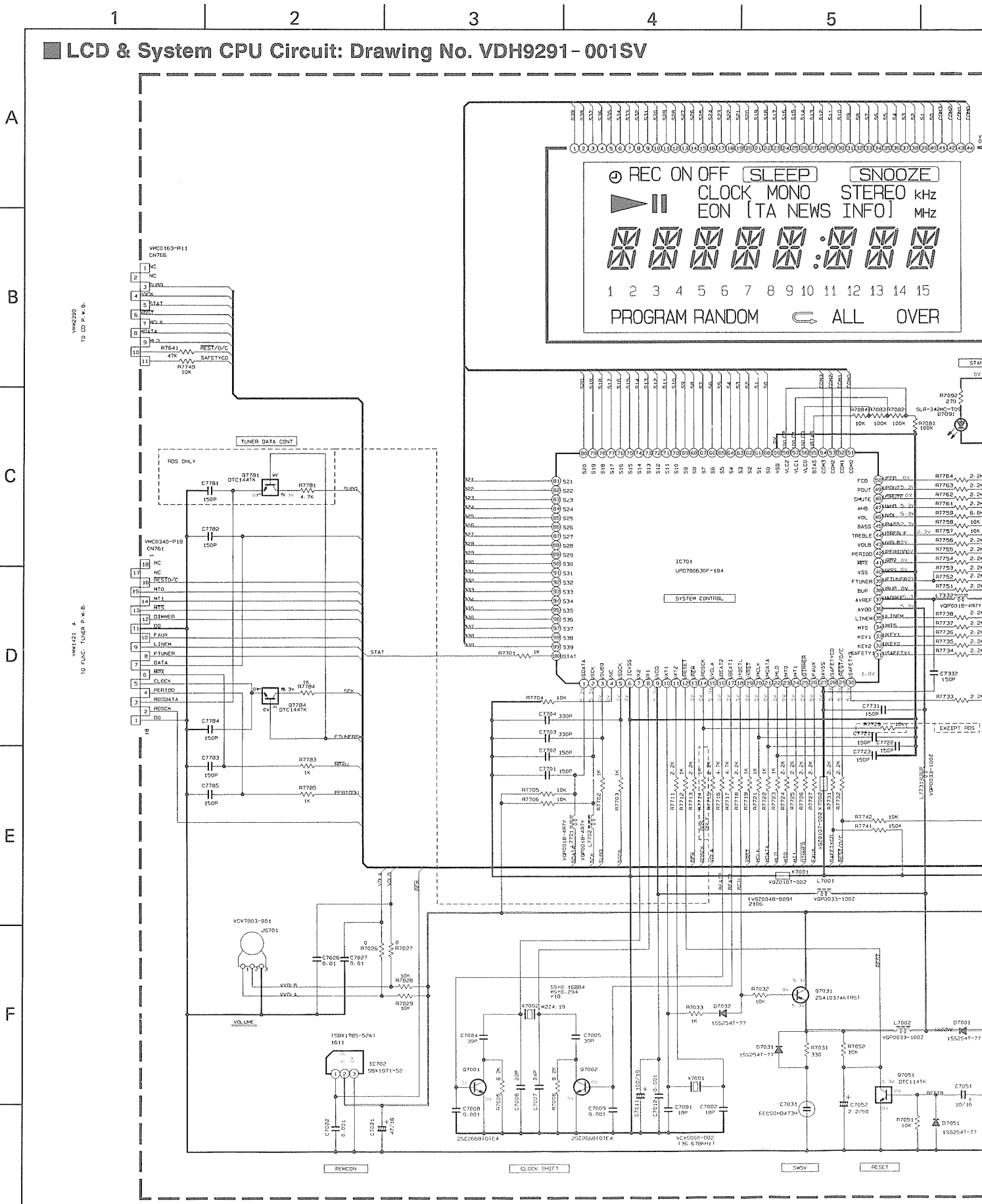


- FM Radio signal
- CD Analogue signal
- AUX IN Signal



+B Line

LCD & System CPU Circuit: Drawing No. VDH9291-001SV



Note : VDH9291005SV

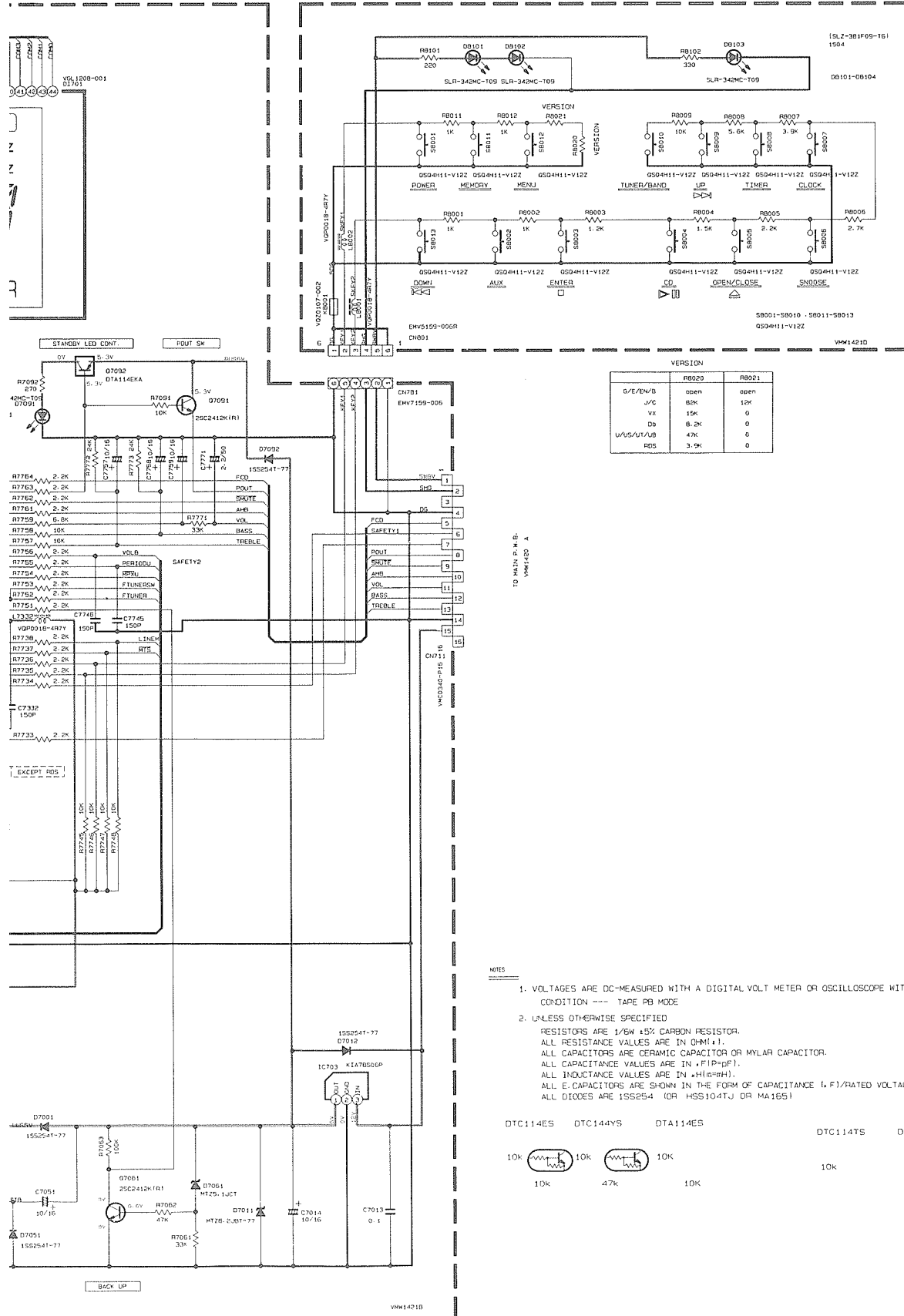
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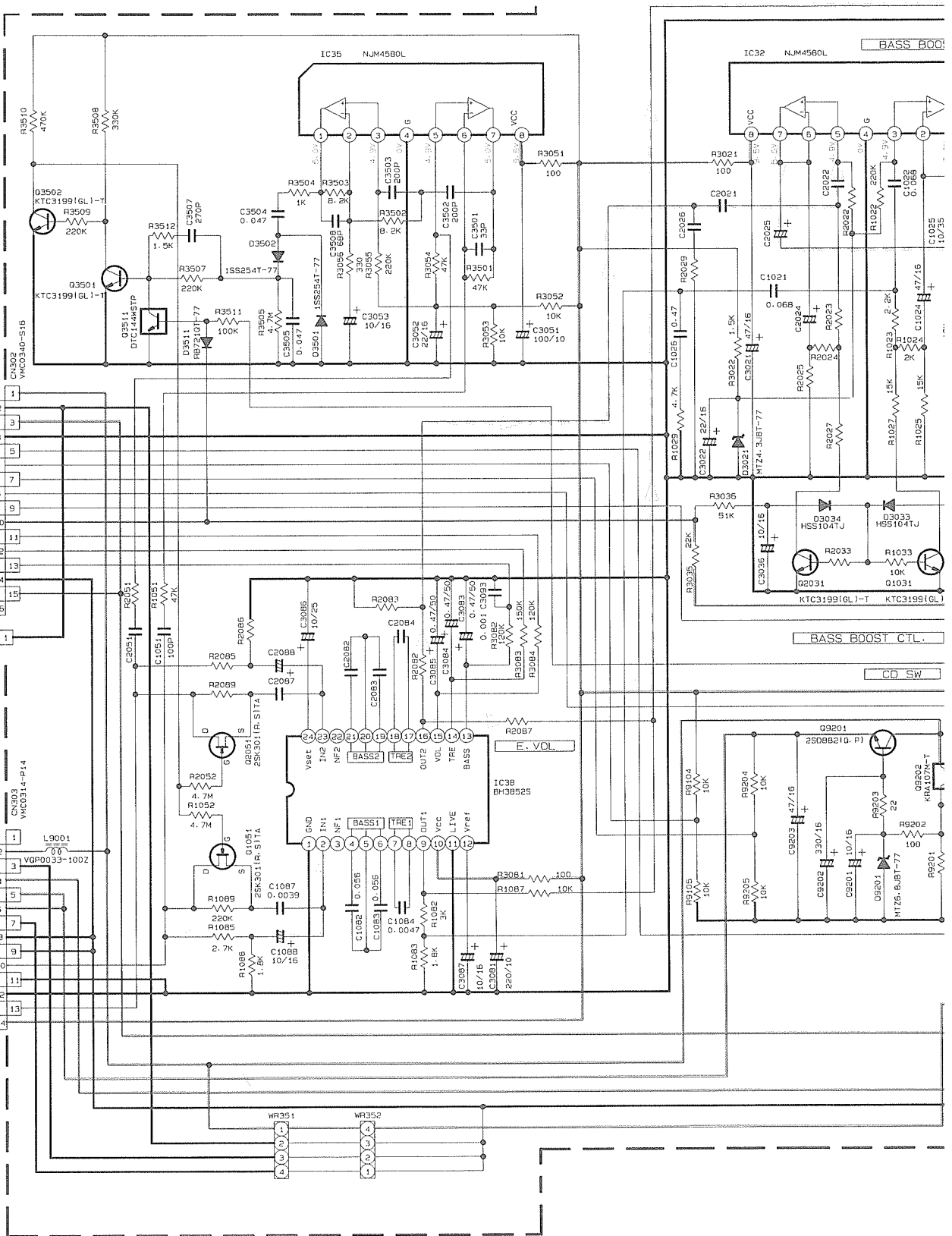
+B Line

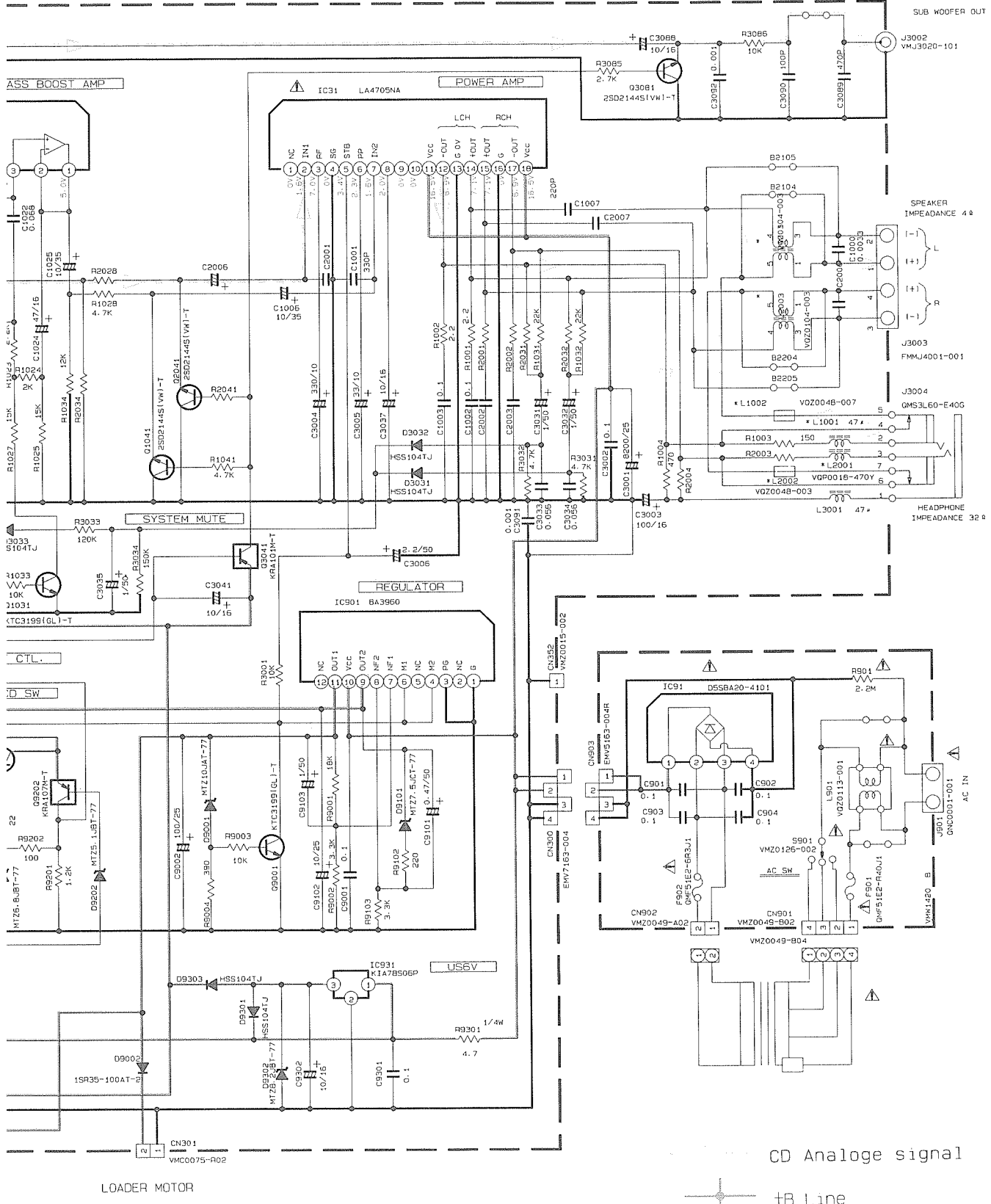
Power Supply & Power Amplifier Circuit: Drawing No. VDH9291-001AV

A
B
C
D
E
F

1 2 3 4 5

- 1 5RBV
 - 2 SHG
 - 3 HS12V
 - 4 DG
 - 5 FCD
 - 6 SAFETY2
 - 7 SAFETY1
 - 8 POUT
 - 9 SMUTE
 - 10 AHB
 - 11 VOL
 - 12 BASS
 - 13 TREBLE
 - 14 DG
 - 15 HS12V
 - 16 NC
-
- 1 CN351
 - 2 VMZ0015-002
-
- 1 NC
 - 2 ELB
 - 3 ELG
 - 4 USRV
 - 5 DSVZ
 - 6 DNV
 - 7 COMG
 - 8 CDDG
 - 9 CDAG
 - 10 STGLCH
 - 11 AG
 - 12 AG
 - 13 STGRCH
 - 14





CD Analogue signal



12. Location of P. C. Board Parts



Fig. 12-

1 2 3 4 5

■ Tuner & System CPU Board: Block No. 02

A

B

C

D

E

F

● System CPU Board →

● Operation Switch Board →

● CD Door Motor Drive Board

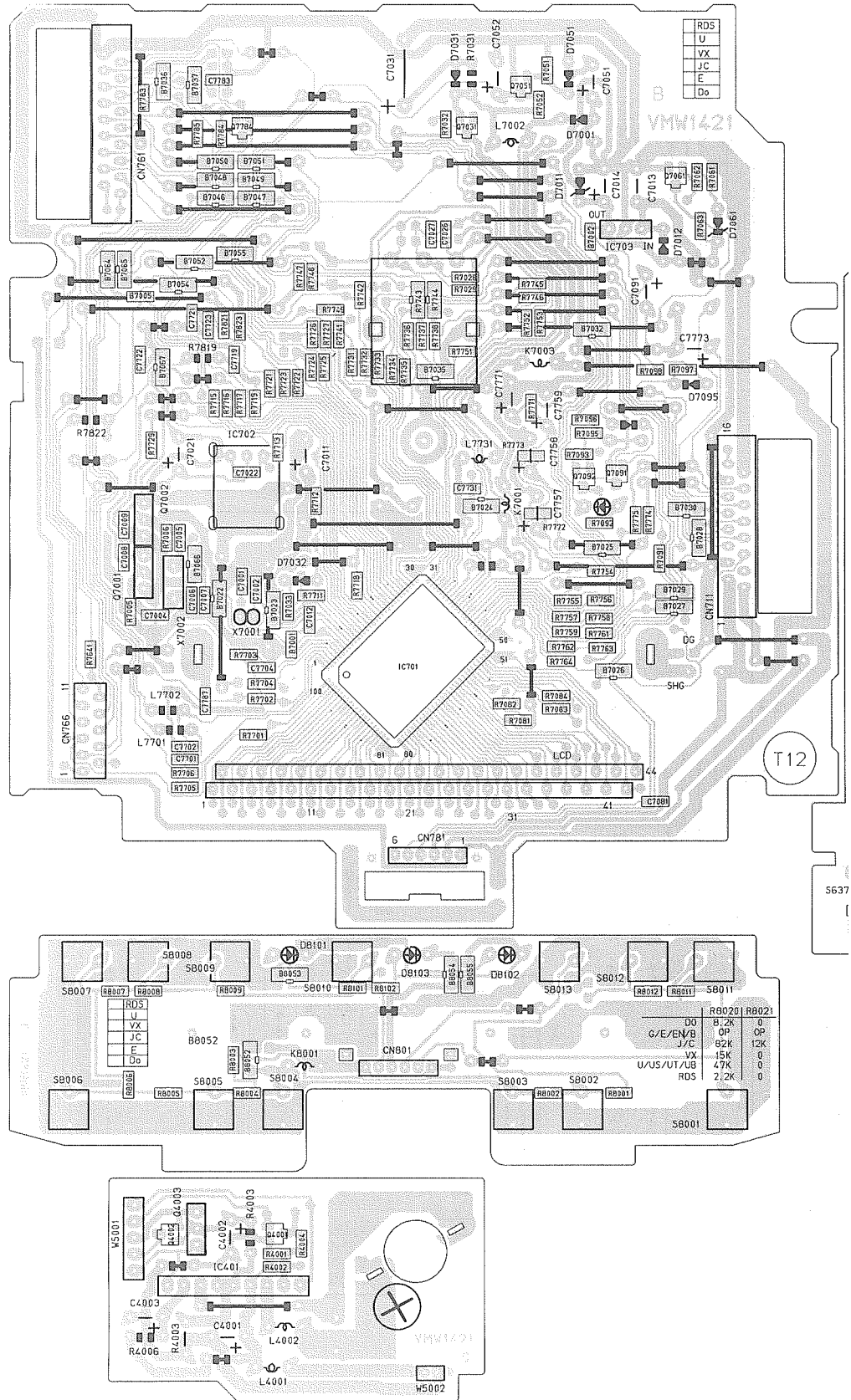


Fig. 12-2

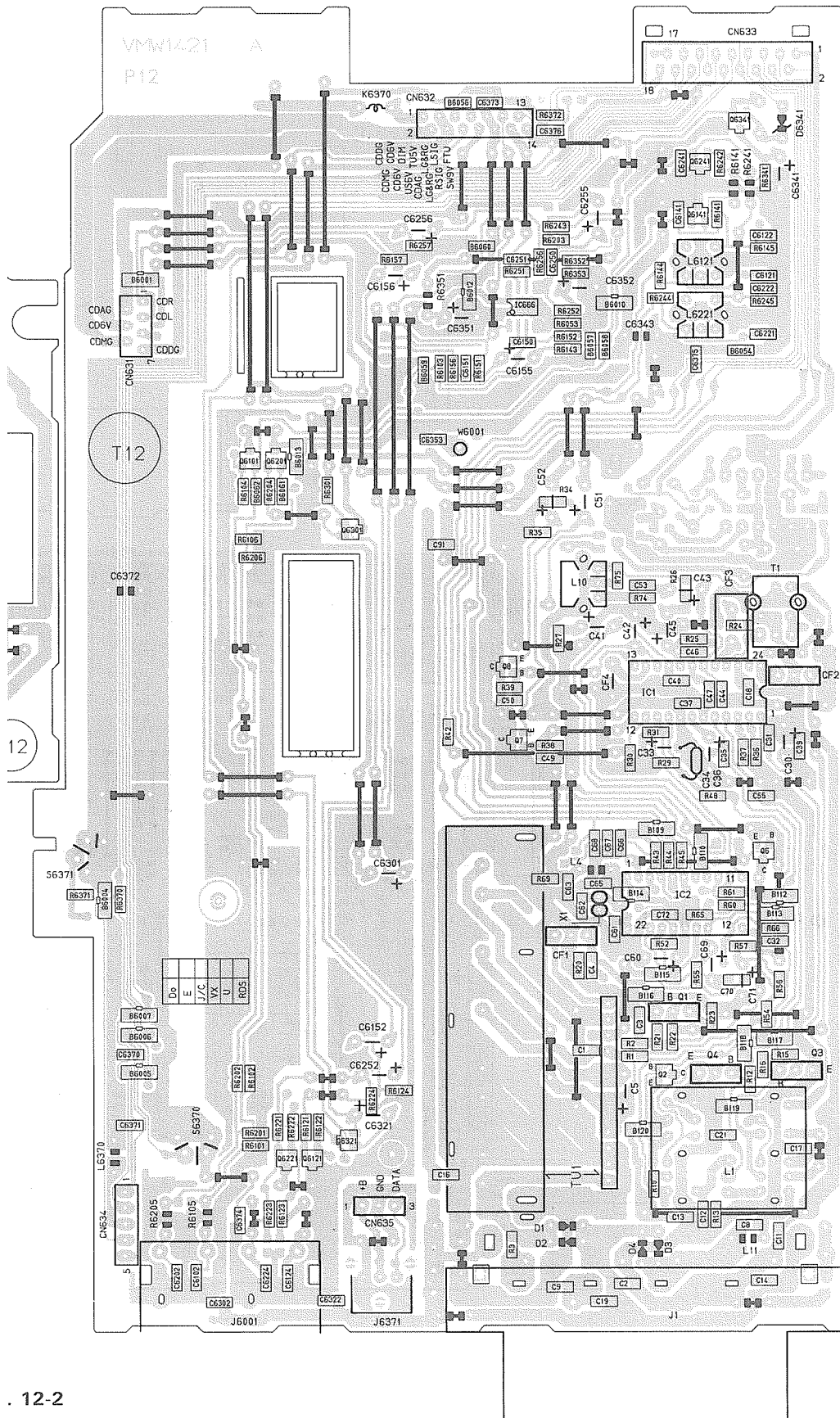
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← Tuner Function Board

1 2 3 4 5

■ CD Amplifier Board: Block No. 03

A
B
C
D
E
F

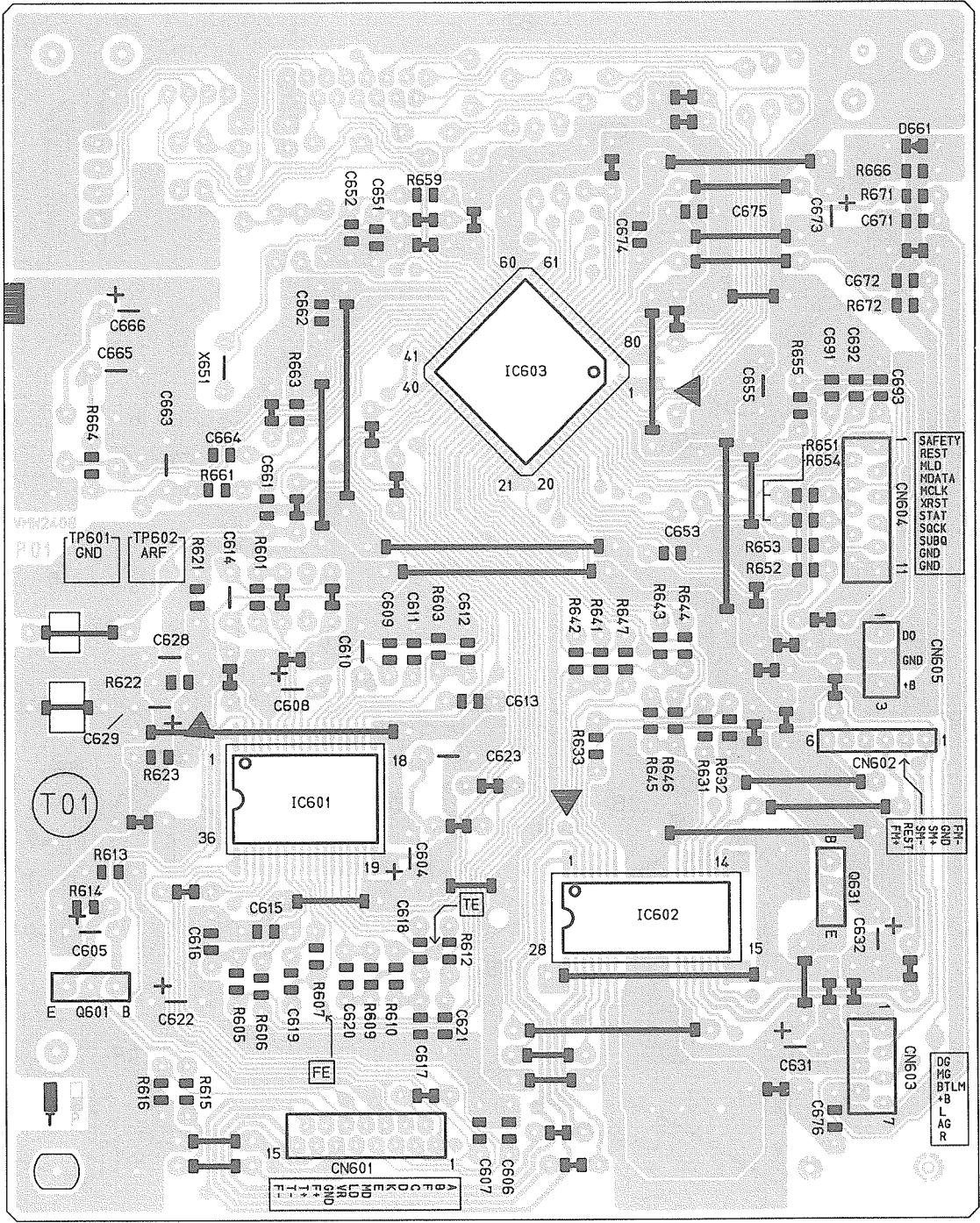


Fig. 12-3

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■ Additional board (#1~500): Block No. **01**

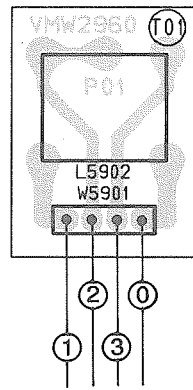
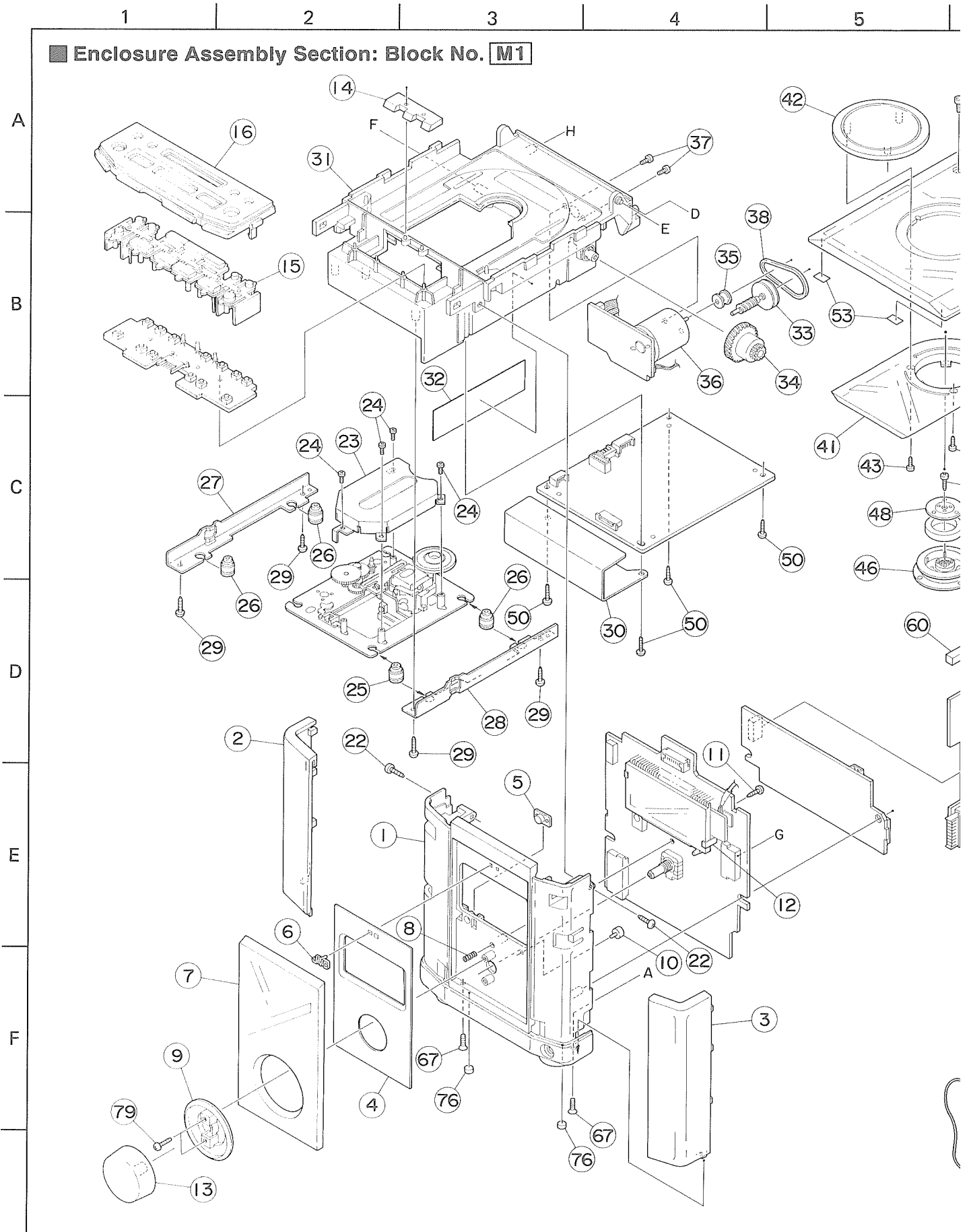


Fig. 12-4

13. Analytic Drawing and Parts List



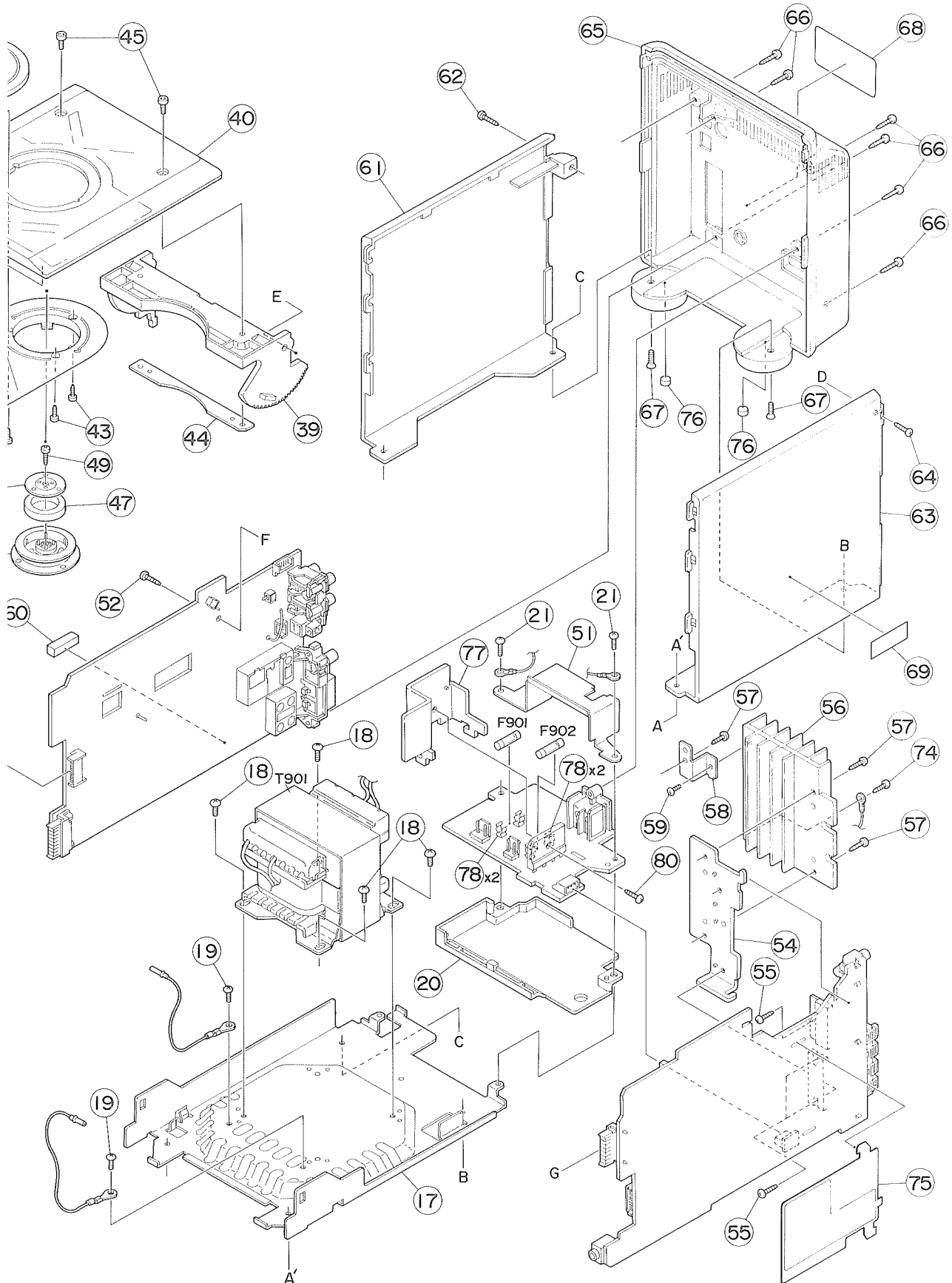
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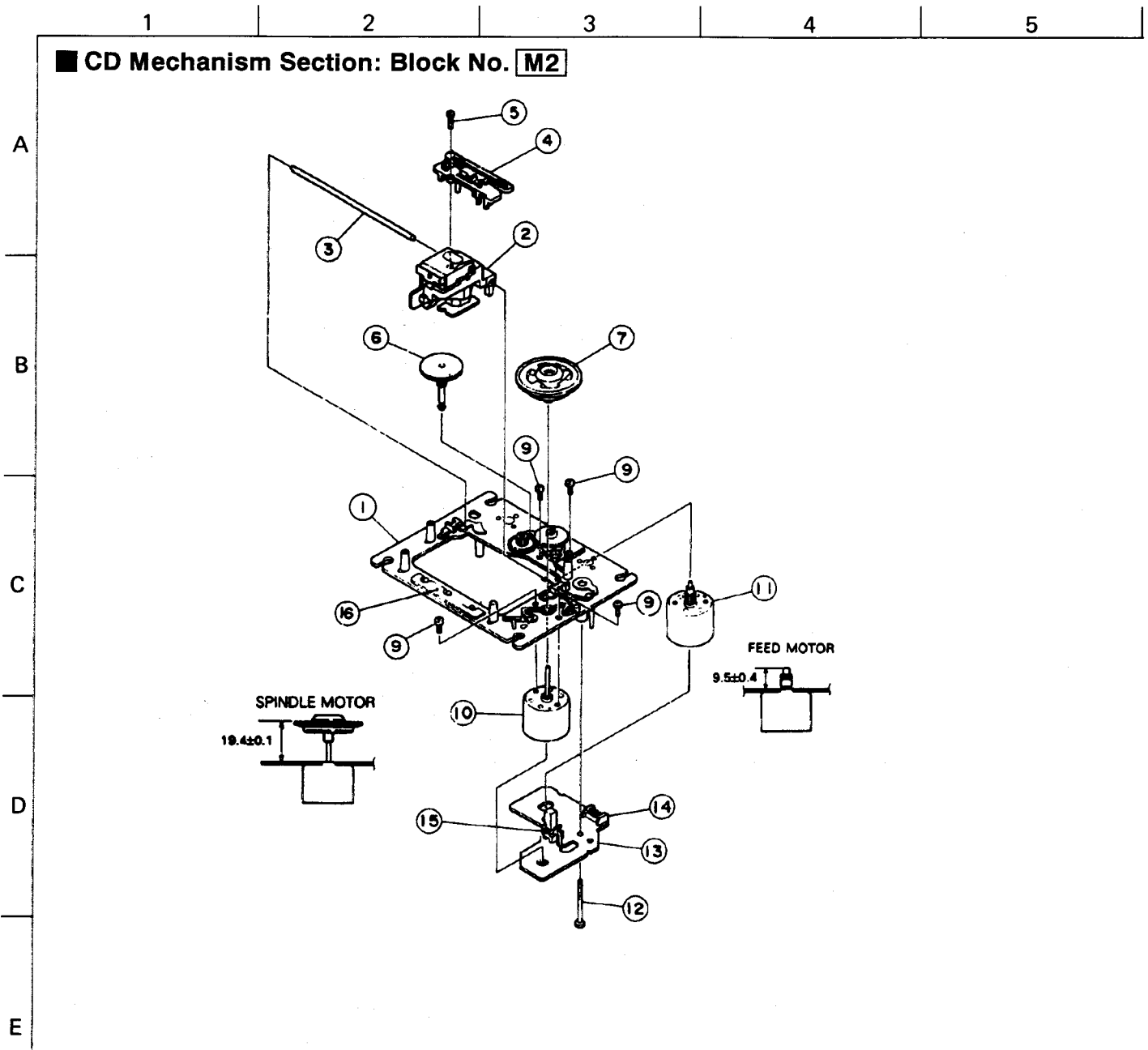
Enclosure Assembly Parts List

BLOCK NO. M1MM111

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
1	VJG1426-002	FRONT PANEL		1		
2	VJE3006-002SC	FITTING (L)		1		
3	VJE3007-002SC	FITTING (R)		1		
4	VJD5492-002	PLATE		1		
5	E408131-001	REMOTE LENS		1		
6	E406971-221	JVC MARK		1		
7	VJK3699-002	FRONT LENS		1		
8	VKW3001-321	COMP. SPRING		1		
9	VJD5491-002	VOL ESCUTCHEON		1		
10	VJK4493-001SC	LENS(STANDBY)		1		
11	SBSF3012Z	SCREW	PWB + FRONT	1		
12	VYH3944-001SC	LCD HOLDER		1		
13	VXL4448-002SC	VOLUME KNOB		1		
14	VJK4490-001SC	LED LENS		1		
15	VXP3807-002SC	BUTTON		1		
16	VJD2470-002SC	TOP PANEL		1		
17	VKL1444-001SC	BOTTOM CHASSIS		1		
18	SBST4006Z	SCREW	POWER TRANS	4		
19	SBST3004Z	SCREW	LUG+BOTTM CHASS	2		
20	VYH3939-001SC	AC HOLDER		1		
21	SBST3008Z	SCREW	POWER SUPPLY PC	2		
23	VJD5410-005	PICK COVER		1		
24	SDSF2006M	SCREW		4		
25	E75609-001	INSULATOR		2		
26	E75609-002	INSULATOR		2		
27	VYH8089-001SC	CD MECHA HOLDER		1		
28	VYH8089-002SC	CD MECHA HOLDER		1		
29	SBSF3012Z	SCREW		4		
30	VMA4692-001	SHIELD		1		
31	VJD1210-002	CD CASE		1		
32	E406709-001	LASER CAUTION		1		
33	VYH8090-001SC	GEAR 1		1		
34	VYH8091-002SC	GEAR 2		1		
35	VYH7699-001	PULLEY		1		
36	MXN-13FB12F	DC MOTOR ASS'Y		1		
37	SPSP3004Z	SCREW		2		
38	VKB3000-170	BELT		1		
39	VJE3014-001SC	CD DOOR		1		
40	VJE3011-001	CD DOOR LENS		1		
41	VJK3701-001SC	ILLUMI LENS		1		
42	VJD5489-001	ORNAMENT		1		
43	SDSF2006M	SCREW		3		
44	VJD5490-001	STOPPER		1		
45	VKZ4765-001	S.BOLT(DIN)		2		
46	VYH3726-001SS	CLAMPER		1		
47	VYH7313-003	MAGNET		1		
48	VYH7677-201	YOKE		1		
49	SDSF2606Z	SCREW		1		
50	SBSF3012Z	SCREW	CD CASE + CD PW	4		
51	VMA4701-001	BARRIER		1		
52	SBSF3012Z	SCREW		1		
53	VYSS1R1-108	SPACER	DOOR LENS	2		
54	VYH8093-001SC	IC HOLDER		1		
55	SBSF3010Z	SCREW		3		
56	VMH3017-001	HEAT SINK		1		

BLOCK NO. M1MM | | |

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
57	SBSF3012Z	SCREW	H.SINK+IC HOL,C	3		
58	VYH8107-001SC	BRACKET		1		
59	SBST3008Z	SCREW		1		
60	VYSH104-047	SPACER	TUNER PCB	1		
61	VJD2471-002SC	SIDE PANEL (L)		1		
62	SBSF3012Z	SCREW		1		
63	VJD2472-002	SIDE PANEL (R)		1		
64	SBSF3012Z	SCREW		1		
65	VJG1430-002	REAR COVER		1		
66	SBSF3012Z	SCREW	REAR	6		
67	SSST3010Z	SCREW	BOTTOM	4		
68	VYN9291-C008	NAME PLATE		1	G	
	VYN9291-C002	NAME PLATE		1	B	
	VYN9291-C005	NAME PLATE		1	E	
	VYN9291-C009	NAME PLATE		1	EN	
69	E70891-001	CLASS 1 LABEL		1		
71	SBSF3012Z	SCREW		2		
74	SBSF3012Z	SCREW		1		
75	VYH8108-001	BARRIER		1		
76	VJF4055-001	FOOT		2		
	VJF4055-001	FOOT		2		
77	VYH8094-002	HEAT SINK		1		
78	EMG7331-003Z	FUSE CLIP I.M		2		
	EMG7331-003Z	FUSE CLIP I.M		2		
79	SBSF3012Z	SCREW		2		
80	SBSF3010Z	SCREW		1		
△ F 901	QMF51E2-R40SBS	FUSE	PRI	1		
△ F 902	QMF51E2-6R3J1	FUSE	SEC	1		
△ T 901	VTP66J2-12K	POWER TRANS		1		



● CD mechanism parts list

BLOCK No. M2MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	EPB-002A	BASE ASS'Y		1		
	2	OPTIMA-6S	PIC-UP		1		
	3	E406777-001	GUIDE SHAFT		1		
	4	E307746-001	CD RACK		1		
	5	SDSF2006Z	SCREW	CD LACK ASS'Y	1		
	6	EPB-003A	MECHA GIAR		1		
	7	E75807-301	CD T.TABLE ASSY		1		
	9	SDSP2003N	SCREW	FOR MOTOR	4		
	10	E406783-001	SP MOTOR	SPINDL MOTOR	1		
	11	E406784-001SA	DC MOTOR ASS'Y	FEED MOTOR	1		
	12	E75832-001	S.SCREW	M.REAF SWITCH	1		
	13	EMW10190-001	BOARD	LEAF SWITCH	1		
	14	EMV5109-006B	6P PLUG ASSY		1		
	15	ESB1100-005	LEAF SWITCH		1		
	16	E407212-001	DAMPER		1		

14. Electrical Parts

Main Amplifier Board

BLOCK NO. 09111111		BLOCK NO. 09111111		
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 901	QFLC1HJ-104ZM	M-CAPACITOR	.10MF 5% 50V	
C 902	QFLC1HJ-104ZM	M-CAPACITOR	.10MF 5% 50V	
C 903	QFLC1HJ-104ZM	M-CAPACITOR	.10MF 5% 50V	
C 904	QFLC1HJ-104ZM	M-CAPACITOR	.10MF 5% 50V	
CN300	ENV7163-004	CONNECTOR		
CN301	VMC0075-R02	CONNECTOR	CD DOOR	
CN302	VMC0340-S16	CONNECTOR	MICOM	
CN303	VMC0314-P14	CONNECTOR	EL/TU/CONN	
CN351	VNZ0015-002	POST PIN	SHARSHI EARTH	
CN352	VNZ0015-002	POST PIN	SHARSHI EARTH	
CN371	VNZ0015-011	STYLE PIN	WR352 WIRE CLAM	
CN373	VNZ0015-011	STYLE PIN	CN351 S WIRE CL	
CN374	VNZ0015-011	STYLE PIN	EL SHIELD WIRE C	
CN375	VNZ0015-011	STYLE PIN	CN352 WIRE CLAM	
CN901	VNZ0049-B02	CONNECTOR	PRI	
CN902	VNZ0049-A02	CONNECTOR	SEC	
CN903	ENV5163-004R	CONNECTOR	MAIN	
C1000	QCB11CM-332Y	C-CAPACITOR	3300PF 20% 16V	
C1001	QCB11HK-331Y	C-CAPACITOR	330PF 10% 50V	
C1002	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C1003	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C1006	QTE1V06-106Z	E-CAPACITOR	220PF 10% 50V	
C1007	QCB11HK-221Y	C-CAPACITOR	220PF 10% 50V	
C1021	QFN81HJ-683	M-CAPACITOR	.068MF 5% 50V	
C1022	QFN81HJ-683	M-CAPACITOR	MAKER SHITEI	
C1024	QTE1C06-476Z	E-CAPACITOR		
C1025	QTE1V06-106Z	E-CAPACITOR		
C1026	QFV41HJ-474	FILM CAPACITOR	.47MF 5% 50V	
C1051	QCS11HJ-101	C-CAPACITOR	100PF 5% 50V	
C1082	QFLC1HJ-563	M-CAPACITOR	.056MF 5% 50V	
C1083	QFLC1HJ-563	M-CAPACITOR	.056MF 5% 50V	
C1084	QFLC1HJ-472ZM	M-CAPACITOR	4700PF 5% 50V	
C1087	QFP82AJ-392	PP-CAPACITOR	3900PF 5% 100V	
C1088	QTE1C03-106Z	E-CAPACITOR		
C2000	QCB11CM-332Y	C-CAPACITOR	3300PF 20% 16V	
C2001	QCB11HK-331Y	C-CAPACITOR	330PF 10% 50V	
C2002	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C2003	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C2006	QTE1V06-106Z	E-CAPACITOR	220PF 10% 50V	
C2007	QCB11HK-106Z	C-CAPACITOR	.068MF 5% 50V	
C2021	QFN81HJ-683	M-CAPACITOR	MAKER SHITEI	
C2022	QFN81HJ-683	M-CAPACITOR		
C2024	QTE1C06-476Z	E-CAPACITOR		
C2025	QTE1V06-106Z	E-CAPACITOR		
C2026	QFV41HJ-474	FILM CAPACITOR	.47MF 5% 50V	
C2051	QCS11HJ-101	C-CAPACITOR	100PF 5% 50V	
C2082	QFLC1HJ-563	M-CAPACITOR	.056MF 5% 50V	
C2083	QFLC1HJ-563	M-CAPACITOR	.056MF 5% 50V	
C2084	QFLC1HJ-472ZM	M-CAPACITOR	4700PF 5% 50V	
C2087	QFP82AJ-392	PP-CAPACITOR	3900PF 5% 100V	
C2088	QTE1C03-106Z	E-CAPACITOR		
C3000	QTM1EM-82B	E-CAPACITOR	8200MF 20% 25V	
C3002	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
C3004	QET41CM-107	E-CAPACITOR	100MF 20% 16V	
C3004	QETC1AM-337ZM	E-CAPACITOR	330MF 20% 10V	
C3005	QETC1AM-336ZM	E-CAPACITOR	33MF 20% 10V	
C3006	QETC1HM-225ZM	E-CAPACITOR	2.2MF 20% 50V	
C3021	QER41CM-476M	E-CAPACITOR	47MF 20% 16V	
C3022	QTE1C06-226Z	E-CAPACITOR		
C3031	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C3032	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C3033	QFV71HJ-563ZM	FILM CAPACITOR	.056MF 5% 50V	
C3034	QFV71HJ-563ZM	FILM CAPACITOR	.056MF 5% 50V	
C3035	QET41HM-105	E-CAPACITOR	1.0MF 20% 50V	
C3036	QET41CM-106	E-CAPACITOR	10MF 20% 16V	
C3037	QET41CM-106	E-CAPACITOR	10MF 20% 16V	
C3041	QER41CM-106	E-CAPACITOR	10MF 20% 16V	
C3051	QET41AM-107	E-CAPACITOR	100MF 20% 10V	
C3052	QET41CM-226	E-CAPACITOR	22MF 20% 16V	
C3053	QET41CM-106	E-CAPACITOR	10MF 20% 16V	
C3081	QET41AM-227	E-CAPACITOR	220MF 20% 10V	
C3083	QET41HM-474	E-CAPACITOR	.47MF 20% 50V	
C3084	QET41HM-474	E-CAPACITOR	.47MF 20% 50V	
C3085	QET41HM-474	E-CAPACITOR	.47MF 20% 50V	
C3086	QET41EM-106	E-CAPACITOR	10MF 20% 25V	
C3087	QET41CM-106	E-CAPACITOR	10MF 20% 16V	
C3088	QER41CM-106	E-CAPACITOR	10MF 20% 16V	
C3090	QCB11HK-471Y	C-CAPACITOR	470PF 10% 50V	
C3091	QCB11HK-101Y	C-CAPACITOR	100PF 10% 50V	
C3091	QCB11HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C3092	QCB11HK-102Y	C-CAPACITOR	FTZ TAISAKU	
C3093	QCB11HK-102Y	C-CAPACITOR	FTZ TAISAKU	
C3501	QCS11HJ-330	C-CAPACITOR	33PF 5% 50V	
C3502	QCS11HJ-201	C-CAPACITOR	200PF 5% 50V	
C3503	QCS11HJ-201	C-CAPACITOR	200PF 5% 50V	
C3504	QFLC1HJ-473ZM	M-CAPACITOR	.047MF 5% 50V	
C3505	QFLC1HJ-473ZM	M-CAPACITOR	.047MF 5% 50V	
C3507	QCB11HK-271Y	C-CAPACITOR	270PF 10% 50V	
C3508	QCS11HJ-680	C-CAPACITOR	68PF 5% 50V	
C9001	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
C9002	QET41EM-107	E-CAPACITOR	100MF 20% 25V	
C9101	QET41HM-474	E-CAPACITOR	.47MF 20% 50V	
C9102	QET41EM-106	E-CAPACITOR	10MF 20% 25V	
C9103	QET41HM-105	E-CAPACITOR	1.0MF 20% 50V	
C9201	QET41CM-106	E-CAPACITOR	10MF 20% 16V	
C9202	QETC1CM-337ZM	E-CAPACITOR	330MF 20% 16V	
C9203	QET41CM-476	E-CAPACITOR	47MF 20% 16V	
C9301	QFLC1HJ-104ZM	M-CAPACITOR	1.0MF 5% 50V	
C9302	QET41CM-106	E-CAPACITOR	10MF 20% 16V	
D3021	MTZ4.3JB	ZENER DIODE		
D3031	1SS133	SI DIODE		
D3032	1SS133	SI DIODE		
D3033	1SS133	SI DIODE		
D3034	1SS133	SI DIODE		
D3501	1SS133	SI DIODE		
D3502	1SS133	SI DIODE		
D3511	RB721Q	DIODE	MAKER SITEI	
D9001	MTZ10JAT-77	ZENER DIODE	MAKER SITEI	
D9002	1SR35-100	SI DIODE		
D9101	MA4075(M)	ZENER DIODE	STANDBY MOTOR	

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R1051	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R1052	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R1082	QRD161J-302	CARBON RESISTOR	3.0K 5% 1/6W	
R1083	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R1085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R1086	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R1087	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R1089	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R2001	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R2002	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R2003	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R2004	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R2022	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R2023	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R2024	QRD161J-202	C RESISTOR	2.0K 5% 1/6W	
R2025	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R2027	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R2028	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2029	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2031	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R2032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R2033	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R2034	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R2041	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2051	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R2052	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R2082	QRD161J-302	CARBON RESISTOR	3.0K 5% 1/6W	
R2083	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R2085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R2086	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R2087	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R2089	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R3001	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3021	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R3022	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
R3031	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R3032	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R3033	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R3034	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
R3035	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R3036	QRD161J-513	CARBON RESISTOR	51K 5% 1/6W	
R3051	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R3052	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3053	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3054	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R3055	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R3056	QRD161J-331	CARBON RESISTOR	330 5% 1/6W	
R3081	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R3082	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R3083	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
R3084	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R3085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R3086	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3501	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R3502	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D9201	MTZ6-8JB	ZENER DIODE		
D9202	MTZ5-1JB	ZENER DIODE		
D9301	1SS133	SI DIODE		
D9302	MTZ8-2JB	ZENER DIODE		
D9303	1SS133	SI DIODE		
A IC 31	LA4705NA	IC	POWER AMP	
IC 32	NJM4580L	IC	AHB AMP	
IC 35	NJM4580L	IC		
IC 38	BH3852S	IC	E VOL	
A IC 91	D5SBA20-4101	SI DIODE		
A IC901	BA3960	IC	REG	
A IC931	KIA78S06P	IC		
A J 901	ANC0001-001	IC SOCKET 8TYPE		
J3002	VMJ3020-101	1PIN PINJ BLACK	SUB WOOFER	
J3003	FMMJ4001-001	SPK TERMINAL	SPEAKER	
J3004	QMS3160-E40G	3.5 JACK	KIKAKU HENKOU	
L 901	VQZ0113-001	INDUCTOR		
L1001	VQP0018-470	INDUCTOR		
L1002	VQZ0048-007	INDUCTOR		
L1003	VQZ0104-003	INDUCTOR		
L2001	VQP0018-470	INDUCTOR		
L2002	VQZ0048-003	INDUCTOR		
L2003	VQZ0104-003	INDUCTOR		
L3001	VQP0018-470	INDUCTOR		
L9001	VQP0033-100Z	INDUCTOR	EL&MICON NOISE	
Q1031	KTC3199(GL)-T	TRANSISTOR		
Q1041	2SD2144S(VW)	TRANSISTOR		
Q1051	2SK301(P-0)	TRANSISTOR		
Q2031	KTC3199(GL)-T	TRANSISTOR		
Q2041	2SD2144S(VW)	TRANSISTOR		
Q2051	2SK301(P-0)	TRANSISTOR		
Q3041	KRA101M-T	TRANSISTOR	BASS MUTE	
Q3081	2SD2144S(VW)	TRANSISTOR		
Q3501	KTC3199(GL)-T	TRANSISTOR	MAKER SITEI	
Q3502	KTC3199(GL)-T	TRANSISTOR		
Q3511	DTC144WSTP	TRANSISTOR		
Q9001	KTC3199(GL)-T	TRANSISTOR		
Q9201	2SD882(P-0)	TRANSISTOR		
Q9202	KRA107M-T	D-TRANSISTOR		
R1001	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R1002	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R1003	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R1004	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R1022	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R1023	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R1024	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
R1025	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R1027	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R1028	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1029	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1031	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R1032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R1033	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R1034	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R1041	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	

Tuner & System CPU Board

BLOCK NO. 02		BLOCK NO. 02		BLOCK NO. 02	
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	SUFFIX
BL701	ESPR10005	EL PANEL(BLUE)	LCD BACK LIGHT		
C 1	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V		
C 2	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 3	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V		
C 4	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 5	QEK41CM-106	E-CAPACITOR	10MF 20% 16V		
C 8	NCS21HJ-150AY	C CAPACITOR	15PF 5% 50V		
C 9	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C 11	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 12	NCT21CH-150AY	C CAPACITOR	15PF +50% -10% 1		
C 13	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V		
C 14	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 16	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C 17	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 19	NCB21HK-122AY	C CAPACITOR	1200PF 10% 50V		
C 21	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V		
C 30	QEK41CM-476	E-CAPACITOR	47MF 20% 16V		
C 31	NCS21HJ-390AY	C CAPACITOR	39PF 5% 50V		
C 32	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C 33	QEK61AM-107Z	E-CAPACITOR	100MF 20% 10V		
C 35	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C 36	QEK41CM-106	E-CAPACITOR	10MF 20% 16V		
C 37	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V		
C 39	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V		
C 40	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 41	QEK41HM-104	E-CAPACITOR	.10MF 20% 50V		
C 42	QEK41HM-474	E-CAPACITOR	.47MF 20% 50V		
C 43	QEK61HM-335ZN	E-CAPACITOR	3.3MF 20% 50V		
C 44	NCS21HJ-221AY	C CAPACITOR	220PF 5% 50V		
C 45	QEK41CM-106	E-CAPACITOR	10MF 20% 16V		
C 46	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V		
C 47	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C 49	NCB21HK-183AY	C CAPACITOR	.018MF 10% 50V		
C 50	NCB21HK-183AY	C CAPACITOR	.018MF 10% 50V		
C 51	QEK41HM-105	E-CAPACITOR	1.0MF 20% 50V		
C 52	QEK41HM-105	E-CAPACITOR	1.0MF 20% 50V		
C 53	NCB21HK-681AY	C CAPACITOR	680PF 10% 50V		
C 55	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V		
C 60	QEK61AM-107Z	E-CAPACITOR	100MF 20% 10V		
C 61	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V		
C 62	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V		
C 63	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V		
C 65	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C 66	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V		
C 67	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V		
C 68	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V		
C 69	QEK41HM-225	E-CAPACITOR	2.2MF 20% 50V		
C 70	NCB21HK-592AY	C CAPACITOR	3900PF 10% 50V		
C 71	QEK61HM-335ZN	E-CAPACITOR	3.3MF 20% 50V		
C 72	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C 91	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
CF 1	VCF2M3B-104	CERAMIC FILTER	FM IF		
CF 2	VCF2S3B-102	C FILTER	FM IF		
CF 3	VCF1Z2Z-115Z	CERAMIC FILTER	FM IF		
CF 4	CMU2-456A05	CERA LOCK			

BLOCK NO. 01		BLOCK NO. 01		BLOCK NO. 01	
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	SUFFIX
R3503	GRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W		
R3504	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
R3505	GRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W		
R3507	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W		
R3508	GRD161J-334	CARBON RESISTOR	330K 5% 1/6W		
R3509	GRD161J-324	CARBON RESISTOR	220K 5% 1/6W		
R3510	GRD161J-474	CARBON RESISTOR	470K 5% 1/6W		
R3511	GRD161J-104	CARBON RESISTOR	100K 5% 1/6W		
R3512	GRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W		
R9001	GRD161J-183	CARBON RESISTOR	18K 5% 1/6W		
R9002	GRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W		
R9003	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9004	GRD161J-391	CARBON RESISTOR	390 5% 1/6W		
R9102	GRD161J-221	CARBON RESISTOR	220 5% 1/6W		
R9103	GRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W		
R9104	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9105	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9201	GRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		
R9202	GRD161J-101	CARBON RESISTOR	100 5% 1/6W		
R9203	GRD161J-220	CARBON RESISTOR	22 5% 1/6W		
R9204	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9205	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9301	GRZ0077-4R7X	FUSE RESISTOR	4.7 1/0W		

BLOCK NO. 02		BLOCK NO. 02		BLOCK NO. 02	
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
C6373	NC821HK-182AY	C CAPACITOR	1800PF 10% 50V		
C6374	NC821HJ-151AY	C CAPACITOR	150PF 5% 50V		
C6375	NC821HK-103AY	C CAPACITOR	.010MF 10% 50V		
C7001	NC821HJ-180AY	C CAPACITOR	18PF 5% 50V		
C7002	NC821HJ-180AY	C CAPACITOR	18PF 5% 50V		
C7004	NC821HJ-360AY	C CAPACITOR	36PF 5% 50V		
C7005	NC821HJ-390AY	C CAPACITOR	39PF 5% 50V		
C7006	NC821HJ-200AY	C CAPACITOR	20PF 5% 50V		
C7007	NC821HJ-220AY	C CAPACITOR	22PF 5% 50V		
C7008	NC821HK-102AY	C CAPACITOR	1000PF 10% 50V		
C7009	NC821HK-102AY	C CAPACITOR	1000PF 10% 50V		
C7011	QER41AM-107	E. CAPACITOR	100MF 20% 10V		
C7012	NC821HK-103AY	C CAPACITOR	.010MF 10% 50V		
C7013	QFLC1HJ-104ZM	M. CAPACITOR	.10MF 5% 50V		
C7014	QER41CM-106	E. CAPACITOR	10MF 20% 16V		
C7021	QER41CM-476M	E. CAPACITOR	47MF 20% 16V		
C7022	NC821HK-102AY	C CAPACITOR	1000PF 10% 50V		
C7026	NC821HK-103AY	C CAPACITOR	.010MF 10% 50V		
C7027	NC821HK-103AY	C CAPACITOR	.010MF 10% 50V		
C7031	EECS0HD473H	E. D.L. CAPACITOR			
C7051	QER41CM-106	E. CAPACITOR	10MF 20% 16V		
C7052	QER41HM-225	E. CAPACITOR	2.2MF 20% 50V		
C7091	QER41AM-107	E. CAPACITOR	100MF 20% 10V		
C7701	NC821HJ-151AY	C CAPACITOR	150PF 5% 50V		
C7702	NC821HJ-151AY	C CAPACITOR	150PF 5% 50V		
C7704	NC821HJ-331AY	C CAPACITOR	330PF 5% 50V		
C7719	QCB81HK-271Y	C. CAPACITOR	MICOM NOISE		
C7721	QCB81HK-271Y	C. CAPACITOR	MICOM NOISE		
C7722	QCB81HK-271Y	C. CAPACITOR	MICOM NOISE		
C7723	QCB81HK-271Y	C. CAPACITOR	MICOM NOISE		
C7731	NC821HK-102AY	C CAPACITOR	1000PF 10% 50V		
C7757	QER41HM-225	E. CAPACITOR	2.2MF 20% 50V		
C7758	QER61HM-335ZM	E. CAPACITOR	3.3MF 20% 50V		
C7759	QER41HM-225	E. CAPACITOR	2.2MF 20% 50V		
C7771	QER41HM-105VM	E. CAPACITOR	1.0MF 20% 50V		
C7773	QER41HM-105VM	E. CAPACITOR	1.0MF 20% 50V		
C7783	NC821HJ-151AY	C CAPACITOR	150PF 5% 50V		
C7787	NC821HK-103AY	C CAPACITOR	.010MF 10% 50V		
C8001	QCB81HK-102Y	C. CAPACITOR	MICOM NOISE		
D 1	1SS133	SI DIODE			
D 2	1SS133	SI DIODE			
D 3	1SS133	SI DIODE			
D 4	1SS133	SI DIODE			
D1701	VGL1208-001J	L.C.D.			
D5301	MT73.9JB	ZENER DIODE	TU SW		
D5302	1SS133	SI DIODE	TU SW		
D5303	1SS133	SI DIODE	TU SW		
D6341	MT76.2JB	ZENER DIODE	US5V		
D7001	1SS133	SI DIODE			
D7011	MT78.2JB	ZENER DIODE			
D7012	1SS133	SI DIODE			
D7031	1SS133	SI DIODE	BACK UP		
D7032	1SS133	SI DIODE	XKILL		
D7051	1SS133	SI DIODE	RESET		
D7061	MT75.1JC	ZENER DIODE	BACK UP		

BLOCK NO. 02		BLOCK NO. 02		BLOCK NO. 02	
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
CN501	VMC0314-514	CONNECTOR			
CN502	VMC0314-514	CONNECTOR			
CN503	VMC0075-R03	CONNECTOR			
CN631	VMC0163-R07	CONNECTOR			
CN632	VMC0314-P14	CONNECTOR			
CN633	VMC0340-518	CONNECTOR			
CN634	VMC0041-005	CONNECTOR			
CN635	VMC0040-003	CONNECTOR			
CN711	VMC0340-P16	CONNECTOR			
CN761	VMC0340-P18	CONNECTOR			
CN766	VMC0163-R11	CONNECTOR			
CN781	EMV7159-006	CONNECTOR BTOB			
CN801	EMV5159-006R	B TO B CONNECTO			
C4001	QET41CM-106	E CAPACITOR	TO MAIN 10MF 20% 16V		
C4002	QETC0JM-227ZN	E CAPACITOR	220MF 20% 6.3V		
C4003	QET41AM-107	E CAPACITOR	100MF 20% 10V		
C5301	QET41HM-475	E CAPACITOR	TU SW		
C5302	QET41AM-107	E CAPACITOR	TU SW		
C5501	QCB81HK-102Y	C. CAPACITOR	MICOM NOISE		
C5901	QET41CM-227	E CAPACITOR	220MF 20% 16V		
C5902	QER61EM-685Z	E. CAPACITOR	6.8MF 20% 25V		
C5903	QFLC1HJ-333ZM	M. CAPACITOR	.033MF 5% 50V		
C5904	QCVB1CM-103Y	C. CAPACITOR	.010MF 20% 16V		
C5905	QCVB1CM-103Y	C. CAPACITOR	.010MF 20% 16V		
C5906	QCB81HK-102Y	C. CAPACITOR	-10 KISEIHATUSI		
C6102	NC821HJ-151AY	C CAPACITOR	150PF 5% 50V		
C6121	NCB21HK-122AY	C CAPACITOR	1200PF 10% 50V		
C6122	NCB21HK-352AY	C CAPACITOR	3300PF 10% 50V		
C6124	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C6150	NC821HJ-300AY	C CAPACITOR	30PF 5% 50V		
C6151	NC821HJ-100AY	C. CAPACITOR	10PF 5% 50V		
C6152	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V		
C6155	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V		
C6156	QTE1C03-106Z	E. CAPACITOR			
C6202	NC821HJ-151AY	C CAPACITOR	150PF 5% 50V		
C6221	NCB21HK-122AY	C CAPACITOR	1200PF 10% 50V		
C6222	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V		
C6224	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V		
C6250	NC821HJ-300AY	C CAPACITOR	30PF 5% 50V		
C6251	NC821HJ-100AY	C. CAPACITOR	10PF 5% 50V		
C6252	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V		
C6255	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V		
C6256	QTE1C03-106Z	E. CAPACITOR			
C6301	QER61HM-684ZM	E. CAPACITOR	.68MF 20% 50V		
C6302	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V		
C6321	QER41CM-106	E. CAPACITOR	10MF 20% 16V		
C6322	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V		
C6341	QER41HM-105VM	E. CAPACITOR	1.0MF 20% 50V		
C6343	QCB81HK-151Y	C. CAPACITOR	150PF 10% 50V		
C6351	QER41CM-476M	E. CAPACITOR	47MF 20% 16V		
C6352	QER41CM-106	E. CAPACITOR	10MF 20% 16V		
C6353	NCB21EK-823AY	C CAPACITOR	.082MF 10% 25V		
C6370	NCB21HK-223AY	C. CAPACITOR	.022MF 10% 50V		
C6371	NCB21HK-223AY	C. CAPACITOR	.022MF 10% 50V		
C6372	QCB81HK-151Y	C. CAPACITOR	150PF 10% 50V		

BLOCK NO. 02

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q6201	2SC2412KK1	TRANSISTOR		
Q6221	2SC2412KK1	TRANSISTOR		
Q6241	2SC2412KK1	TRANSISTOR		
Q6501	2SC2412KK1	TRANSISTOR		
Q6321	DTA114EKA-X	TRANSISTOR		
Q6341	DTA114EKA-X	TRANSISTOR		
Q7001	2SC2668(O)	TRANSISTOR	CLOCK SHIFT	
Q7002	2SC2668(O)	TRANSISTOR	CLOCK SHIFT	
Q7031	2SA1037AK(RS)-X	CHIP TRANSISTOR	SW5V	
Q7051	DTC114TKT146	TRANSISTOR	RESET	
Q7061	2SC2412KK1	TRANSISTOR	BACK UP	
Q7091	2SC2412KK1	TRANSISTOR	POUT SW	
Q7092	2SA1037AK(RS)-X	CHIP TRANSISTOR	STANDBY LED CON	
Q7784	DTC144TKA-X	TRANSISTOR	TUNER DATA CONT	
R 1	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 2	NRSA02J-820NY	MG RESISTOR	82 5% 1/10W	
R 3	NRSA02J-560NY	MG RESISTOR	56 5% 1/10W	
R 10	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 12	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 13	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 15	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 16	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 20	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
R 21	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
R 22	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
R 23	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
R 24	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
R 25	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 26	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 27	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 29	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 30	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 31	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 34	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 35	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 36	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 37	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 38	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 39	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 42	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 43	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 44	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 45	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 48	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 52	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 54	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 55	NRSA02J-182NY	MG RESISTOR	1.8K 5% 1/10W	
R 56	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 57	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 60	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 61	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 65	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 66	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 69	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 74	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D7091	SLR-342VC-T09	LED RED H8.9MM	STANDBY LED	
D7092	1SS133	SI DIODE		
D7095	1SS133	SI DIODE		
D8101	SLR-342MC-T09	LED GRN. H8.9MM	CD DOOR	
D8102	SLR-342MC-T09	LED GRN. H8.9MM	CD DOOR	
D8103	SLZ-481C09-T6	LED	CD DOOR	
IC 1	TAZ057N	IC		
IC 2	LC72136	IC		
IC401	TA8409S	IC	FUNCTION	
IC666	BA15218F	IC	SYSTEM MICON	
IC701	UPD78063GF-111	IC		
IC702	SBX1971-52	RM. RECEIVER		
IC703	KIA78506P	IC		
J 1	ENB411V-302K	ANT TERMINAL	AM/FM ANT	
JS701	VCV7003-001	ROTARY ENCODER		
J6001	VNJ3025-001	4PIN JACK ASSY		
J6371	GP1F32T	OPTICAL JACK		
K6370	VGZ0048-007	INDUCTOR		
K7001	VGZ0107-002	INDUCTOR	VSS	
K7003	VGZ0107-002	INDUCTOR		
K8001	VGZ0107-002	INDUCTOR		
L 1	VGZ0098-102	COIL BLOCK	MM/LW RF/OSC	
L 4	VGPO018-221	INDUCTOR		
L 10	VGZ0069-002S	TRAP COIL	114KHZ TRAP	
L 11	VGPO018-2R7	INDUCTOR		
L4001	VGPO028-221Z	INDUCTOR		
L4002	VGZ0107-002	INDUCTOR		
L5901	VGH1009-041	OSC COIL (BIAS)		
L5902	VGP0033-100Z	INDUCTOR		
L6121	EGF0101-010	FILTER		
L6221	EGF0101-010	FILTER		
L6370	VGP0018-100	INDUCTOR		
L7002	VGP0033-100Z	INDUCTOR	SW5V	
L7332	VGPO018-4R7	INDUCTOR	AVREF	
L7701	VGP0018-4R7	INDUCTOR	SDATA	
L7702	VGP0018-4R7	INDUCTOR	SCK	
L7731	VGP0033-100Z	INDUCTOR	AVDD	
Q 1	2SC2668(O)	TRANSISTOR		
Q 2	DTA114YKA-X	TRANSISTOR		
Q 3	KTC3199(GL)-T	TRANSISTOR		
Q 4	KTC3199(GL)-T	TRANSISTOR		
Q 6	DTA114YKA-X	TRANSISTOR		
Q 7	2SA1037K(R)	TRANSISTOR		
Q 8	2SA1037K(R)	TRANSISTOR		
Q4001	2SC2412KK1	TRANSISTOR		
Q4002	2SC2412KK1	TRANSISTOR		
Q4003	DTC1451S	TRANSISTOR		
Q5301	KTA1267(YG)-T	TRANSISTOR	TU SW	
Q5302	KTC3199(GL)-T	TRANSISTOR	TU SW	
Q5901	2SD2144S(VW)	TRANSISTOR		
Q5902	KRC102N-T	D. TRANSISTOR	FOR DIMMER	
Q5903	2SA952(L,K)	TRANSISTOR		
Q6101	2SC2412KK1	TRANSISTOR		
Q6121	2SC2412KK1	TRANSISTOR		
Q6141	2SC2412KK1	TRANSISTOR		

BLOCK NO. 02

A REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R6341	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R6351	GRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R6352	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R6353	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R6370	NRSA02J-913NY	RESISTOR	91K 5% 1/10W	
R6371	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R6372	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7005	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R7006	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R7026	NRSA02J-ORONY	MG RESISTOR	5% 1/10W	
R7027	NRSA02J-ORONY	MG RESISTOR	5% 1/10W	
R7028	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7029	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7031	GRD161J-331	CARBON RESISTOR	330 5% 1/6W	
R7032	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7033	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7051	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7052	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7061	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7062	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7063	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7081	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7082	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7083	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7084	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7091	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7092	NRSA02J-271NY	M5 RESISTOR	270 5% 1/10W	
R7093	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R7095	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7096	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7097	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7098	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7641	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7701	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7702	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7703	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7704	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7705	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7706	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7711	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7712	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7713	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7715	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7716	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R7717	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R7718	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7719	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7721	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7722	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7723	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7724	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7725	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7726	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7727	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7729	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	

BLOCK NO. 02

A REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 75	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R4001	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R4002	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
R4003	GRD14CJ-3R9S	UNF .C. RESISTOR	3.9 5% 1/4W	
R4004	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R4005	GRD161J-391	CARBON RESISTOR	390 5% 1/6W	
R4006	GRD161J-451	CARBON RESISTOR	450 5% 1/6W	
R5301	GRD161J-390	CARBON RESISTOR	TU SW	
R5302	GRD161J-402	CARBON RESISTOR	TU SW	
R5303	GRD161J-563	CARBON RESISTOR	TU SW	
R5304	GRD161J-472	CARBON RESISTOR	TU SW	
R5901	GRD161J-270	CARBON RESISTOR	27 5% 1/6W	
R5902	GRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R5903	GRD161J-271	CARBON RESISTOR	270 5% 1/6W	
R5904	GRZ0077-470	F RESISTOR	47 1/0W	
R5905	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R6101	GRD167J-224NY	MG RESISTOR	220K 5% 1/10W	
R6102	NRSA02J-623NY	MG RESISTOR	62K 5% 1/10W	
R6103	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6104	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6105	GRD161J-402	CARBON RESISTOR	1.0K 5% 1/6W	
R6106	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6121	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R6122	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6123	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R6124	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R6141	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R6142	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R6143	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R6144	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R6145	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R6151	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R6152	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R6156	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
R6157	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R6201	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
R6202	NRSA02J-623NY	MG RESISTOR	62K 5% 1/10W	
R6203	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6204	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6205	GRD161J-402	CARBON RESISTOR	1.0K 5% 1/6W	
R6206	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6221	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R6222	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6223	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R6224	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R6241	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R6242	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R6243	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R6244	NRSA02J-352NY	MG RESISTOR	3.5K 5% 1/10W	
R6245	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R6251	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R6252	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R6256	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
R6257	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R6301	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
S8002	QS04H11-V12Z	TACT SW		
S8003	QS04H11-V12Z	TACT SW		
S8004	QS04H11-V12Z	TACT SW		
S8005	QS04H11-V12Z	TACT SW		
S8006	QS04H11-V12Z	TACT SW		
S8007	QS04H11-V12Z	TACT SW		
S8008	QS04H11-V12Z	TACT SW		
S8009	QS04H11-V12Z	TACT SW		
S8010	QS04H11-V12Z	TACT SW		
S8011	QS04H11-V12Z	TACT SW		
S8012	QS04H11-V12Z	TACT SW		
S8013	QS04H11-V12Z	TACT SW		
T	1 VQT7A21-113	IFT		
TU	1 VAF2S13-001	FRONT END	FM TU	
W6000	VMZ0015-005	POST PIN		
W6001	VMZ0015-002	POST PIN		
X	1 VCX5044-001	CRYSTAL	CLOCK	
X7001	VCX5000-002	CRYSTAL	MAIN CLOCK	
X7002	M2Z4.19	CERA LOCK		

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R7731	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7732	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7733	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7734	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7735	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7736	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7737	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7738	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7741	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R7742	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7745	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7746	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7747	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7749	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7751	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7752	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7753	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7754	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7755	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7756	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7757	NRSA02J-475NY	MG RESISTOR	47K 5% 1/10W	
R7758	NRSA02J-475NY	MG RESISTOR	47K 5% 1/10W	
R7759	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7761	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7762	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R7763	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7764	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7771	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
R7772	NRSA02J-114NYM	RESISTOR	110K 5% 1/10W	
R7773	NRSA02J-114NYM	RESISTOR	110K 5% 1/10W	
R7774	NRSA02J-080NY	MG RESISTOR	5% 1/10W	
R7775	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
R7783	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7784	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7785	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7819	QRD161J-122	CARBON RESISTOR	MICOM NOISE	
R7821	QRD161J-122	CARBON RESISTOR	MICOM NOISE	
R7822	QRD161J-122	CARBON RESISTOR	MICOM NOISE	
R7823	QRD161J-122	CARBON RESISTOR	FOR B7854	
R8001	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8002	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8003	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
R8004	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R8005	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R8006	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R8007	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R8008	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R8009	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R8011	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8012	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8101	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
R8102	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
S6370	VSH1153-003	SWITCH		
S6371	VSH1153-003	SWITCH		
S8001	QS04H11-V12Z	TACT SW		

CD Amplifier Board

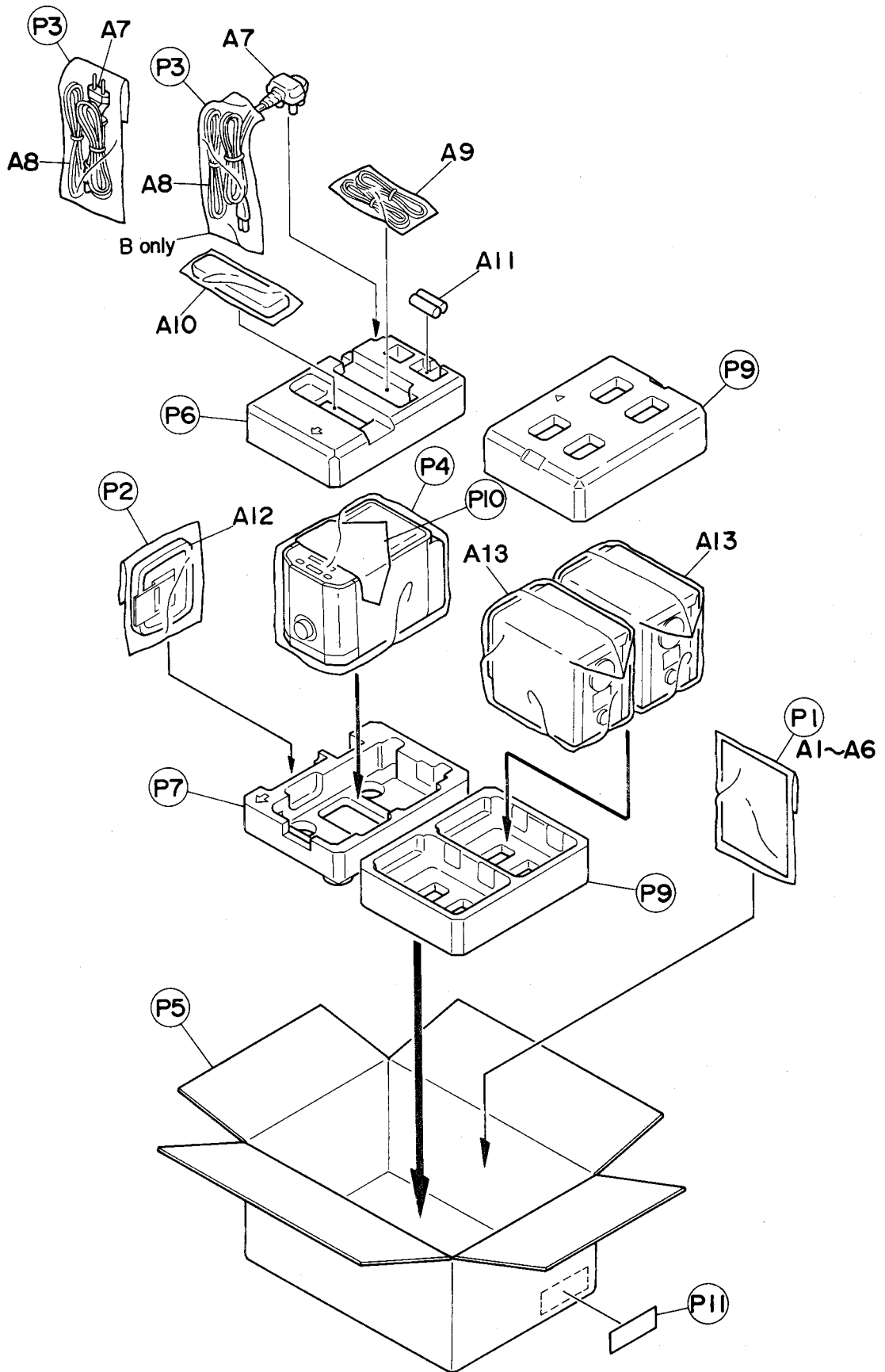
BLOCK NO. 03111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 604	QEK51AM-107	E-CAPACITOR	100MF 20% 10V	
C 605	QET41EM-106	E-CAPACITOR	10MF 20% 25V	
C 606	QCBBIHK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 607	QCBBIHK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 608	QET41HM-105	E-CAPACITOR	1.0MF 20% 50V	
C 609	QCBBIHK-101Y	C-CAPACITOR	100PF 10% 50V	
C 610	QFLC1HJ-273ZM	M-CAPACITOR	.027MF 5% 50V	
C 611	QCBBIHK-222Y	C-CAPACITOR	2200PF 20% 16V	
C 612	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 613	QCBBIHK-331Y	C-CAPACITOR	330PF 10% 50V	
C 614	QFLC1HJ-104ZM	M-CAPACITOR	.10MF 5% 50V	
C 615	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 616	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 617	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 618	QCBBIHK-222Y	C-CAPACITOR	2200PF 20% 16V	
C 619	QCBBIHK-271Y	C-CAPACITOR	270PF 10% 50V	
C 620	QCS11HJ-470	C-CAPACITOR	47PF 5% 50V	
C 621	QCBBIHK-821Y	C-CAPACITOR	820PF 10% 50V	
C 622	QET41AM-476	E-CAPACITOR	47MF 20% 10V	
C 623	QFLC1HJ-104ZM	M-CAPACITOR	.10MF 5% 50V	
C 628	QCC11EM-473V	C-CAPACITOR	.047MF 20% 25V	
C 629	QET41AM-107	E-CAPACITOR	100MF 20% 10V	
C 631	QET41AM-477	E-CAPACITOR	470MF 20% 10V	
C 632	QEK51AM-107	E-CAPACITOR	100MF 20% 10V	
C 651	QCS11HJ-420	C-CAPACITOR	12PF 5% 50V	
C 652	QCS11HJ-150	C-CAPACITOR	15PF 5% 50V	
C 653	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 655	QCC11EM-473V	C-CAPACITOR	.047MF 20% 25V	
C 661	QCBBIHK-471Y	C-CAPACITOR	470PF 10% 50V	
C 662	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 663	QFLC1HJ-223ZM	M-CAPACITOR	.022MF 5% 50V	
C 664	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 665	QFV71HJ-334ZM	FILM CAPACITOR	.33MF 5% 50V	
C 671	QCBBIHK-222Y	C-CAPACITOR	2200PF 20% 16V	
C 672	QCBBIHK-222Y	C-CAPACITOR	2200PF 20% 16V	
C 673	QET41AM-227	E-CAPACITOR	220MF 20% 10V	
C 674	QCHB1EZ-223	C-CAPACITOR	.022MF +80%-20%	
C 675	QCBBIHK-102Y	C-CAPACITOR	AG-DG	
C 676	QCBBIHK-102Y	C-CAPACITOR	AG-DG	
C 691	QCBBIHK-151Y	C-CAPACITOR	DENGEN NOISE	
C 692	QCBBIHK-151Y	C-CAPACITOR	DENGEN NOISE	
C 693	QCBBIHK-151Y	C-CAPACITOR	DENGEN NOISE	
CN601	EMV7144-015R	15PIN CONNECTOR	TO RF	
CN602	EMV5109-006A	6P PLUG ASSY	TO MOTOR	
CN603	VMC0163-R07	CONNECTOR	TO AUDIO	
CN604	VMC0163-R11	CONNECTOR	TO MICRON	
CN605	VMC0041-003	CONNECTOR	TO DIGITAL OUT	
D 661	1SS133	SI DIODE	RF AMP DRIVER	
IC601	AN8806SB	IC	1CHIP PROCESSOR	
IC602	BA6897FP	IC		
IC603	MN35510	IC		
Q 601	2SA952(L,K)	TRANSISTOR		
Q 631	2SA952(L,K)	TRANSISTOR		
R 601	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R 603	QRD161J-125	CARBON RESISTOR	1.2M 5% 1/6W	

BLOCK NO. 03111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 605	QRD161J-134	C-RESISTOR	130K 5% 1/6W	
R 606	QRD161J-913	CARBON RESISTOR	91K 5% 1/6W	
R 607	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 609	QRD161J-114	C-RESISTOR	110K 5% 1/6W	
R 610	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
R 612	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 613	QRD161J-121	CARBON RESISTOR	120 5% 1/6W	
R 614	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
R 615	QRD161J-120	CARBON RESISTOR	12 5% 1/6W	
R 616	QRD161J-910Y	CARBON RESISTOR	91 5% 1/6W	
R 621	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
R 622	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
R 623	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
R 631	QRD161J-331	CARBON RESISTOR	330 5% 1/6W	
R 632	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 633	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 641	QRD161J-563	CARBON RESISTOR	56K 5% 1/6W	
R 642	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R 643	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
R 644	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 645	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 646	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R 647	QRD161J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R 651	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 652	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 653	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 654	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 655	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R 659	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R 661	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 665	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R 666	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 666	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
R 671	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 672	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
X 651	VCX5016-934V	CRYSTAL	16.9344MHZ	

15. Packing



■ Packing Parts List

BLOCK NO. M3MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	P 1	VPE3005-007	POLY BAG	INSTRUCTIONS	1		
	P 2	VPE3005-042	POLY BAG	AM LOOP ANT	1		
	P 3	QPGA012-02505	POLY BAG	ACCESSORIES	1	E,EN,G	
		QPGA010-03003	POLY BAG	ACCESSORIES	1	B	
	P 4	VPE3020-018	POLY BAG	FOR SET	1		
	P 5	VPC9291-C002	CARTON		1		
	P 6	VPH1695-001	CUSHION	DECK:FRONT	1		
	P 7	VPH1695-002	CUSHION	DECK:REAR	1		
	P 8	9502SP-FS1	SP CUSHION SET	SPEAKER BOX	1		
	P 9	VPK3001-001	PACKING SHEET	FOR SET	1		
	P 11	-----	CARTON LABEL		1		

■ Accessories

BLOCK NO. M4MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN9291-671C	INSTRUCTIONS		1	B	
		VNN9291-261C	INSTRUCTIONS		1	E,EN,G	
	A 2	VNN9291-251C	INSTRUCTIONS		1	E	
	A 3	VNN9291-271C	INSTRUCTIONS		1	EN	
	A 4	BT-20066A	DISTR.LIST		1	B	
		BT-20135	WARRANTY CARD		1	G	
	A 5	BT-54003-1	WARRANTY CARD		1	B	
	A 6	E43486-340B	SAFETY SHEET		1	B	
	△ A 7	QMP39F0-183	POWER CORD		1		
	△ A 7	QMP5520-183BS	POWER CORD		1	B	
	A 8	EWP503-001	ANT.WIRE	FM ANT.	1		
	A 9	VMP0133-001	SPK.CORD(2PCS)	SPEAKER CORD OF	1		
	A 10	VGR0055-101	REMOCON UNIT	RM-RXU1000GR	1		
	A 11	R6PRPA-2STSA	BATTERY	FOR REMOCON	1		
	A 12	EQB4001-015	AM LOOP ANT	AM ANT.	1		
	A 13	UX1000K-SPBOX	SPEAKER BOX		2		
	SVP 1	VYT430	SPEAKER NET	SERVICE PARTS	1		
	SVP 2	VGS0801-010	CONE SPEAKER	SERVICE PARTS	1		

JVC

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