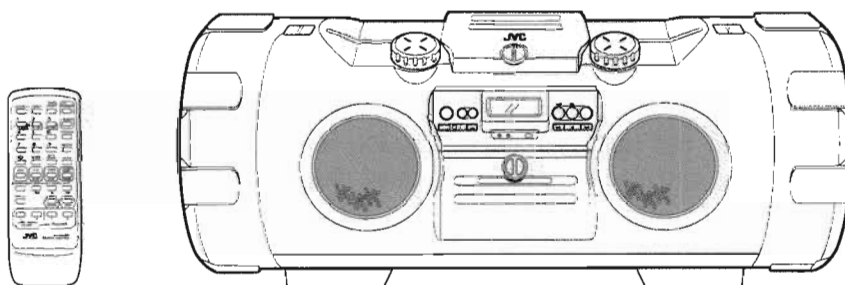


JVC

SERVICE MANUAL

POWERED WOOFER CD SYSTEM

RV-B99



COMPACT
disc
DIGITAL AUDIO

Areas Suffix

J	U.S.A.(BK/GY)
B	U.K.(BK/BU)
E	Continental Europe(BK/BU)
EN	North Europe(BK/BU)
EE	Russian Fedration(BK/BU)
EV	Eastern Europe(BK)
U	Other Areas(BK/BU)
UT	Taiwan(BK/BU)
UB	Hong Kong(BK/BU)
US	Singapore(BK/BU)
UX	Saudi Arabia(BK)
UY	Argentina(BK)

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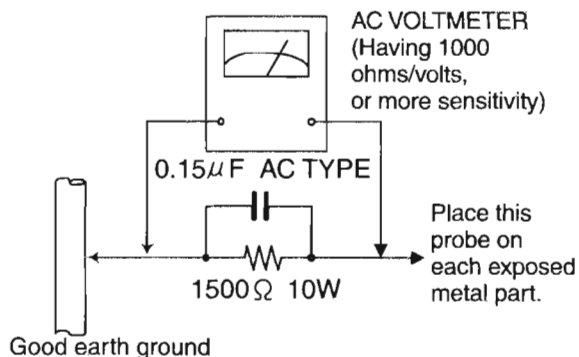
Safety Precautions

1. This design of 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. Services 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 manufacturer'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 products 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 shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts 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, moving 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 re-assembling.
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 parts 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 $1,500\Omega$ 10W resistor paralleled by a $0.15\mu\text{F}$ 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 must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).




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.


⚠ 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.

Safety Precautions (U.K only)

1. This design of 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.
2. Any unauthorised design alterations or additions will void the manufacturer's guarantee ; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
3. Essential safety critical components are identified by () on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and 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, moving 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 re-assembling.

Warning

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

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

Important for Laser Products

1. CLASS 1 LASER PRODUCT

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

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

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

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

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



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

VARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

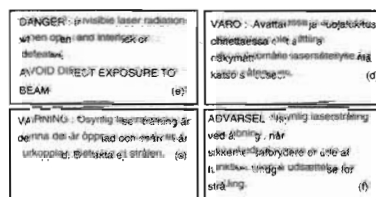
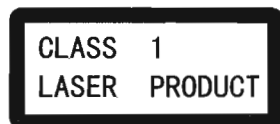
ADVARSEL : Usynlig laserstrålning ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstrålning ved åbning, når sikkerhedsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL

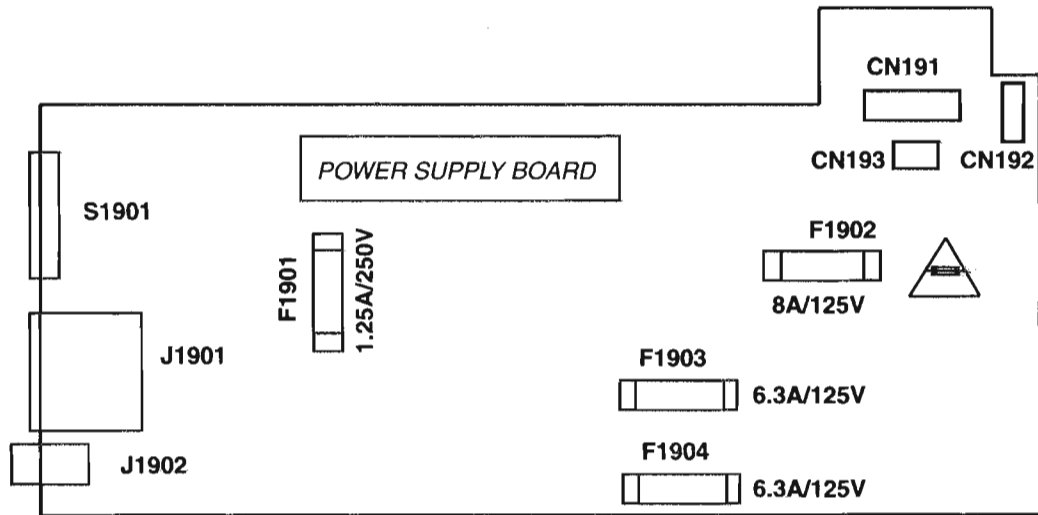
(Except for the U.S.A. and Canada and UP)



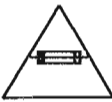

(sticking on the inside)



■ Importance Administering point on the Safety



Note : It's means "J" for U.S.A. market model

RV-B99J ONLY	RV-B90J SEULEMENT
<p>Full Fuse Replacement Marking</p> <p>Graphic symbol mark (This symbol means fast blow type fuse.)</p>  <p>should be read as follows ;</p>	<p>Marquage Pour Le Remplacement Complet De Fusible</p> <p>Le symbole graphique (Ce symbole signifie fusible de type à fusion rapide.)</p>  <p>doit être interprété comme suit ;</p>
FUSE CAUTION	PRECAUTIONS SUR LES FUSIBLES
<p>FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSES ;</p> <p>F1901 : 1.25-A, 250-V F1902 : 8- A, 125-V F1903 : 6.3-A, 125-V F1904 : 6.3-A, 125-V</p>	<p>POUR UNE PROTECTION CONTINUE CONTRE DES RISQUES D'INCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DU MEME TYPE ;</p> <p>F1901 : 1.25-A, 250-V F1902 : 8- A, 125-V F1903 : 6.3-A, 125-V F1904 : 6.3-A, 125-V</p>

Instructions

ENGLISH

Thank you for purchasing this JVC product. Please read these instructions carefully before starting operation to be sure to obtain optimum performance and a longer service life from the unit.



ESPAÑOL

Le agradecemos la adquisición de este producto de JVC. Por favor, lea detenidamente las instrucciones antes de comenzar la operación para obtener el más alto rendimiento y una vida de servicio más larga.

FRANÇAIS

Nous vous remercions d'avoir acheté cet appareil JVC. Veuillez lire consciencieusement le manuel d'instructions avant de commencer à faire fonctionner l'appareil de façon à être sûr d'en tirer les performances optimales et une durée de vie plus longue de cet appareil.

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



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



AVERTISSEMENT:
POUR RÉDUIRE LES RISQUES
D'INCENDIE OU D'ÉLECTROCUTION, NE
PAS EXPOSER L'APPAREIL À LA PLUIE
NI À L'HUMIDITÉ.

INSTRUCTIONS

INSTRUCCIONES
MANUEL D'INSTRUCTIONS

For Customer Use:
Enter below the Model No. and Serial
No. which are located on the rear of the
cabinet. Retain this information for future
reference.
Model No. _____
Serial No. _____

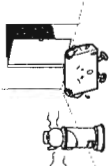
LV70218-001A [U]

HANDLING PRECAUTIONS



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

- **When abnormal operation occurs.**
 - Unplug the AC power cord from the AC outlet and remove all the batteries. Then reload the batteries after a few minutes, reconnect the AC power cord and switch the power ON.



No utilize esta unidad bajo la luz directa del sol donde podría quedar expuesta a temperaturas superiores a 40°C (104°F).

- **Cuando ocurre una falla de funcionamiento.**
 - Desenchufe el cordón de CA del tomacorriente y extraiga todas las pilas. Luego recargue las pilas después de transcurrir unos pocos minutos, reconecte el cordón de CA y conéctela ON la alimentación.



Ne pas utiliser cet appareil en plein soleil où il pourrait être exposé à des températures élevées au-dessus de 40°C (104°F).

- **Quand un fonctionnement anormal se produit.**
 - Débrancher le cordon d'alimentation secteur de la prise de courant et retirer toutes les piles. Si vous rechargez les piles au bout de quelques minutes, rebranchez le cordon d'alimentation secteur et mettez l'alimentation sur marche.

PRECAUTIONS DE MANIPULATION

PRECAUCIONES DE MANIPULACION

- 1. 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.

- 2. Pay attention to dust**
 - Do not let the dust on the CD door so that dust does not collect on the lens.

- 3. Condensation**
 - In the following cases, condensation may occur in the unit, in which case 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.

- 4. Volume setting**
 - CDs produce very little noise compared with analog sources. If the volume level is adjusted for these sources, the speakers will produce a very loud sound, which may damage your hearing.

- 5. Safety mechanism**
 - This unit incorporates a safety interlock mechanism which switches the laser beam on and off, so that when the CD door is open, the laser beam stops automatically.

- 6. 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, stop 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 benzene or thinner as these could damage the surface finish.

- 1. 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.

- 2. Preste atención al polvo**
 - Adviértase de que la puerta del CD para evitar que el polvo se deposite sobre la lente.

- 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.

- 4. Ajuste del volumen**
 - Los discos 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 alímbelo como desee durante la reproducción.

- 5. Mecanismo de seguridad**
 - Este aparato incorpora un mecanismo de interbloqueo que detiene la unidad que coincide y conecta el rayo láser de tal manera que cuando se abre el portadisco de CD, el rayo láser es inmediatamente desconectado.

- 6. No coloque casettes de cinta, etc., próximos a los altavoces**
 - Como hay imanes en los altavoces, no coloque cintas o tarjetas magnéticas sobre ellos, ya que los datos grabados pueden ser borrados.

- 7. Mantenga esta unidad lejos de su TV**
 - Cuando se usa esta unidad próxima a un TV, la imagen de éste puede ser distorsionada. Si ello ocurre, mueva esta unidad lejos del TV. Si esto no corrige el problema, avise usar esta unidad cuando el TV está apagado.

- 8. Limpie el gabinete**
 - Si el gabinete se ensucia límpielo con un paño suave y seco. Nunca utilice bencina o solventes ya que estos pueden dañar la terminación de la superficie.

- 1. Eviter l'installation dans les endroits suivants**
 - Où il pourrait être sujet aux vibrations.
 - Dans des endroits trop humides, comme une salle de bains.
 - Où il pourrait être magnétisé par un aimant ou un haut-parleur.

- 2. Faire attention à la poussière**
 - Bien s'assurer de fermer le volet CD pour que la poussière ne s'accumule pas sur la lentille. Ne pas toucher à la lentille.

- 3. Condensation**
 - Dans les cas suivants, la condensation peut se produire dans l'appareil, dans ce cas l'appareil peut ne pas fonctionner correctement.
 - Dans une pièce où le chauffage vient juste d'être mis.
 - Dans un endroit sujet à la fumée ou à l'humidité.
 - Quand l'appareil est déplacé directement d'une pièce froide vers une pièce chaude.

- 4. Réglage du volume**
 - Un disque audio numérique produit un souffle très faible comparé à des sources analogiques. Si le niveau de volume est réglé pour ces sources, les haut-parleurs peuvent être endommagés par une augmentation soudaine du niveau de sortie. Par conséquent, baissez le volume avant la fonction de lecture, puis réglez comme requis pendant la lecture.

- 5. Dispositif de sécurité**
 - Cet appareil dispose d'un dispositif de verrouillage de sécurité qui établit ou coupe le rayon laser, pour que quand le volet CD est ouvert, le rayon laser s'arrête automatiquement.

- 6. Ne pas placer de cassettes, etc. près des haut-parleurs**
 - Comme il y a des aimants dans les haut-parleurs, ne pas placer de bande enregistrée ou de carte magnétique à proximité, un important matériel enregistré peut être effacé.

- 7. Garder cet appareil éloigné de votre téléviseur**
 - Si cet appareil est utilisé près d'un téléviseur, l'image de celui-ci peut être déformée. Si cela se produit, éloignez cet appareil du téléviseur.

- 8. Nettoyage du coffret**
 - Si le coffret devient sale, l'essuyer avec un chiffon doux et sec. Ne pas utiliser de benzène ou de diluant qui pourrait abîmer la fin de la surface.

- 9. When listening with headphones**
 - Do not listen at high volumes as this could damage your hearing.
 - For safety, do not drive while listening to music.

- 10. Pay attention to the following**
 - Do not place the unit on an incline.
 - Do not apply shock to the unit.
 - For safety, retract the antenna so that it doesn't get hooked or broken during transport.

- Carrying handle**
 - The unit is equipped with a carrying handle at each end. Be sure to hold both handles when you carry the unit. If you carry the unit by only one handle, because of the length of the unit (69 cm (27-3/16")), the end may drag on the ground and be damaged as a result.
 - Do not lift the unit by the wooder duct, and do not insert any metallic objects into them.

- 9. Cuando escuche con auriculares**
 - No escuche con el volumen muy alto porque podría dañar sus oídos.
 - Por seguridad, no conduzca mientras escucha música.

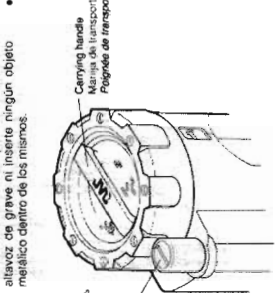
- 10. Preste atención lo siguiente**
 - No coloque la unidad en un lugar inclinado.
 - No la golpee.
 - Para seguridad, retraiga la antena de tal manera que no se enganche o rompa durante el transporte.

- Manija de transporte**
 - Esta unidad está equipada con una manija de transporte en cada extremo.
 - Asegúrese de sujetar ambas manijas cuando transporte la unidad. Si usted transporta la unidad sosteniendo solo una manija y dejando a la longitud de la unidad (69 cm), el extremo puede tocar el suelo y dañarse como resultado.
 - No levante la unidad por los ductos del alavoz de grave ni inserte ningún objeto metálico dentro de los mismos.

- 9. Lors de l'écoute avec un casque d'écoute**
 - Ne pas écouter à volume trop élevé car cela risque de provoquer des troubles de l'oreille.
 - Pour des raisons de sécurité, ne pas conduire en écoutant cet appareil.

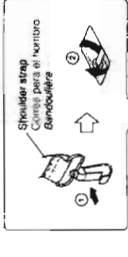
- 10. Faire attention aux choses suivantes**
 - Ne pas placer l'appareil sur un plan incliné.
 - Ne pas faire subir des chocs à l'appareil.
 - Pour des raisons de sécurité lors du transport, retenir l'antenne pour qu'elle ne soit pas recroûlée ou cassée.

- Poignée de transport**
 - Cet appareil dispose d'une poignée de transport à chaque extrémité.
 - Lorsque vous transportez l'appareil, assurez-vous de saisir les deux poignées.
 - Si vous portez l'appareil seulement par une poignée, à cause de la longueur de l'appareil (69 cm), l'autre extrémité peut cogner le sol et être par conséquent endommagée.
 - Ne pas lever l'appareil par les orifices de woofer, et ne pas insérer d'objets métalliques dans ces orifices.



SHOULDER STRAP ATTACHMENT/ DETACHMENT

- **ATTACHMENT**
 - As shown in the illustration below, press in the metal fitting at (1) and hook over (2).
- **DETACHMENT**
 - Press in the metal fitting at (1) and unhook.



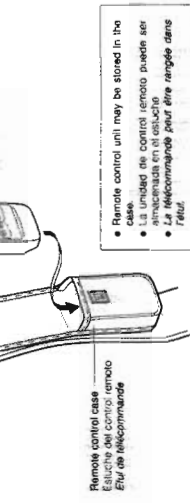
COLOCACION/EXTRACCION DE LA CORREA PARA EL HOMBRO

- **COLOCACION**
 - Presione el accesorio de metal en (1) y enganche en (2) como se muestra en la ilustración de abajo.
- **EXTRACCION**
 - Presione el accesorio de metal en (1) y desenganche.



FIXATION/RETRAIT DE LA BANDOULIERE

- **FIXATION**
 - Appuyez sur la partie métallique (1) et crocher comme montré dans l'illustration ci-dessous.
- **RETRAIT**
 - Appuyez sur la partie métallique (1) et décrocher.



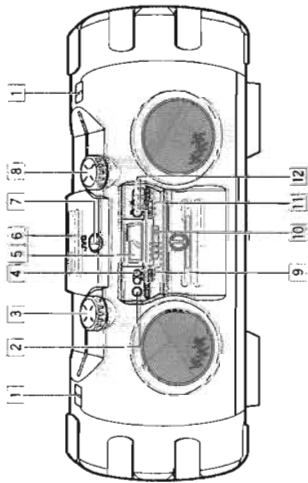
- Remote control unit may be stored in the case.
- La unidad de control remoto puede ser almacenada en el estuche.
- Le télécommande peut être rangée dans l'étui.

NOMES OF PARTS AND THEIR FUNCTIONS
NOMBRES DE LAS PARTES Y SUS FUNCIONES
NOMS DES PIÉCES ET LEURS FONCTIONS

CD player/General section

Sección del reproductor de CD/
Generalidades

Section lecteur CD/générale



- 1 Shoulder strap hook
- 2 POWER button
- 3 SUPER WOOFER VOLUME control knob
- 4 SOUND button
- 5 Display window
- 6 Function/Track number display
- 7 Repeat play indicator (C, ALL)
- 8 Program play indicator (PROG)
- 9 Random play indicator (RANDOM)
- 10 See page 31 for clock adjustment display
- 11 CD door
- 12 LOCK/RELEASE knob
- 13 LOCK: To secure the CD door.
- 14 RELEASE: To open the CD door.
- 15 VOLUME control knob
- 16 ACTIVE CLEAR SOUND button and ACS
- 17 REMOTE SENSOR section
- 18 Remote control signals are received here.
- 19 MULTI CONTROL buttons
- 20 (When the mode is set to CD)
- 21 Press to locate the beginning of a track during skip play.
- 22 Press to fast-forward/rewind during search play.
- 23 Press to cancel program play.
- 24 CD ► button
- 25 Press to select the CD mode.
- 26 Press to play/pause.
- 27 Press to turn the power on.

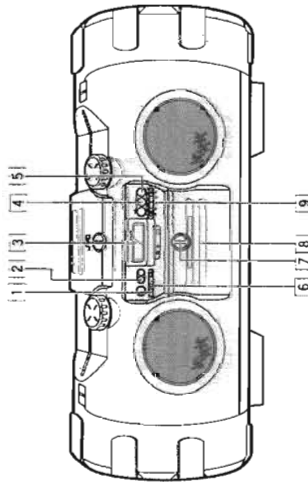
- 1 Ganchito de la correa para el hombro
- 2 Botón POWER
- 3 Botón SUPER WOOFER VOLUME
- 4 Botón SOUND
- 5 Ventanilla de indicación
- 6 Función/Track number display
- 7 Indicador de reproducción de pista
- 8 Indicador del tiempo de reproducción
- 9 Indicador de reproducción de programa
- 10 Ver página 31 para la indicación de ajuste de reloj
- 11 Puerta del CD
- 12 Botón LOCK/RELEASE
- 13 Botón para cerrar la puerta del CD
- 14 Botón para abrir la puerta del CD
- 15 Botón de control de volumen
- 16 Botón de control de sonido claro
- 17 Botón de control de sonido claro
- 18 Botón de control de sonido claro
- 19 Botón de control de sonido claro
- 20 Botón de control de sonido claro
- 21 Botón de control de sonido claro
- 22 Botón de control de sonido claro
- 23 Botón de control de sonido claro
- 24 Botón de control de sonido claro
- 25 Botón de control de sonido claro
- 26 Botón de control de sonido claro
- 27 Botón de control de sonido claro

- 1 Ganchito para la bandolilla
- 2 Botón de alimentación (POWER)
- 3 Botón de comando SUPER WOOFER VOLUME
- 4 Ventanilla de indicación
- 5 Función/Track number display
- 6 Indicador de la duración de la lectura
- 7 Indicador de reproducción de programa
- 8 Indicador de reproducción de programa
- 9 Indicador de reproducción de programa
- 10 Ver página 31 para la indicación de ajuste de reloj
- 11 Puerta del CD
- 12 Botón LOCK/RELEASE
- 13 Botón para cerrar la puerta del CD
- 14 Botón para abrir la puerta del CD
- 15 Botón de control de volumen
- 16 Botón de control de sonido claro
- 17 Botón de control de sonido claro
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- 25 Botón de control de sonido claro
- 26 Botón de control de sonido claro
- 27 Botón de control de sonido claro

Tuner/Deck section

Sección sintonizador/platina

Section sintoniseur/platine



- 1 PRESET TUNING/BEAT CUT button
- 2 BAND button
- 3 Display window
- 4 Band display
- 5 Radio frequency display
- 6 Mode display during FM broadcast (STEREO/MONO)
- 7 Tape display
- 8 Reverse mode indicator (C, ALL)
- 9 Recording indicator (REC)
- 10 Press to turn the power on.
- 11 Press to select the tape mode.
- 12 TUNER BAND/FM mode button
- 13 Press to select the tuner mode.
- 14 Press to turn the power on.
- 15 LOCK/RELEASE knob
- 16 LOCK: To secure the cassette holder.
- 17 RELEASE: To open the cassette holder.
- 18 Cassette holder
- 19 MULTI CONTROL button
- 20 (When the mode is set to TAPE)
- 21 ► FF: Press to fast forward the tape.
- 22 ► REW: Press to rewind the tape.
- 23 ► STOP: Press to stop the tape.
- 24 ► FF: Press to fast forward the tape.
- 25 (When the mode is set to TUNER)
- 26 Auto tuning/Manual tuning

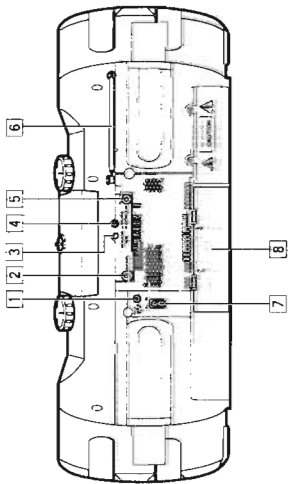
- 1 Botón PRESET TUNING/BEAT CUT
- 2 Botón BAND
- 3 Ventanilla de indicación
- 4 Indicador de banda
- 5 Indicador de frecuencia de radio
- 6 Indicador del modo durante una transmisión FM (STEREO/MONO)
- 7 Indicador de cinta
- 8 Indicador de modo de inversión (C, ALL)
- 9 Indicador de grabación (REC)
- 10 Botón para encender la alimentación
- 11 Botón para seleccionar el modo de cinta
- 12 Botón de modo TUNER BAND/FM
- 13 Botón para seleccionar el modo de cinta
- 14 Botón para encender la alimentación
- 15 Botón para seleccionar el modo de cinta
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- 24 Botón para seleccionar el modo de cinta
- 25 Botón para seleccionar el modo de cinta
- 26 Botón para seleccionar el modo de cinta

- 1 Touch PRESET TUNING/BEAT CUT
- 2 Touch BAND
- 3 Display window
- 4 Band display
- 5 Radio frequency display
- 6 Mode display during FM broadcast (STEREO/MONO)
- 7 Tape display
- 8 Reverse mode indicator (C, ALL)
- 9 Recording indicator (REC)
- 10 Press to turn the power on.
- 11 Press to select the tape mode.
- 12 TUNER BAND/FM mode button
- 13 Press to select the tuner mode.
- 14 Press to turn the power on.
- 15 LOCK/RELEASE knob
- 16 LOCK: To secure the cassette holder.
- 17 RELEASE: To open the cassette holder.
- 18 Cassette holder
- 19 MULTI CONTROL button
- 20 (When the mode is set to TAPE)
- 21 ► FF: Press to fast forward the tape.
- 22 ► REW: Press to rewind the tape.
- 23 ► STOP: Press to stop the tape.
- 24 ► FF: Press to fast forward the tape.
- 25 (When the mode is set to TUNER)
- 26 Auto tuning/Manual tuning

Rear panel

Panel trasero

Panneau arrière



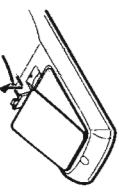
- 1. DC IN 12V jack (ø 5.6)
- 2. Headphone jack (PHONES) (3.5 mm dia. stereo mini plug)
- 3. MIC/GUITAR INPUT (entrada de micrófono/guitarra) (jack de 6.3 mm dia. plug)
- 4. MIC LEVEL (←/GUITAR LEVEL (→) control knob (controlador)
- 5. AUX IN (AUX input) jack
- 6. AUX IN (AUX IN) jack
- 7. Jack AC IN (entrada de CA)
- 8. Battery compartment cover

- 1. Prise d'alimentation CC 12 V (DC IN) (ø 5.6)
- 2. Prise de casques (PHONES) (mini fiche stéréo de 3.5 mm de diamètre)
- 3. Entrée microphone/guitare (MIC/GUITAR INPUT) (entrée de microphone/guitare) (fiche de 6.3 mm de diamètre)
- 4. Bouton de commande de niveau microphone/guitare (MIC LEVEL ←/GUITAR LEVEL →)
- 5. Antenne télescopique
- 6. Prise d'entrée CA (AC IN)
- 7. Couverture du compartiment des piles

REMOTE CONTROL UNIT

- Preparation before use
- Installing batteries in the remote control unit
- 1. Remove the battery cover from the back of the unit.
- 2. Insert two R604A (1.5F) size batteries.
- Insert the batteries with the (+) and (-) terminals matching the indication inside the battery compartment.
- 3. Replace the cover.

Batteries are not provided with this unit.

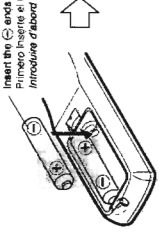


- Battery replacement
- When the remote control operation becomes unstable or the distance from which remote control is possible decreases, replace the batteries.

UNIDAD 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 posterior de la unidad de control remoto.
- 2. Inserte dos pilas de tamaño "R604A (1.5F)".
- Inserte las pilas con las terminales (+) y (-) de acuerdo a la indicación en el interior del compartimento de las pilas.
- 3. Revuelva la tapa

No se han suministrado pilas con esta unidad.

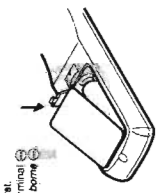


- Reemplazo de las pilas
- Cuando el funcionamiento del controlador remoto se vuelve inestable o la distancia dentro de la cual actúa se reduce, reemplace las pilas.

BOITIER DE TELECOMMANDE

- Préparation avant utilisation
- Mise en place des piles dans le boîtier de télécommande
- 1. Retirez le couvercle des piles du dos du boîtier.
- 2. Insérez deux piles de taille "R604A (1.5F)".
- Introduisez les piles en respectant les indications des bornes (+) et (-) dans le compartiment des piles.
- 3. Remettez en place le couvercle.

Les piles ne sont pas fournies avec cet appareil.



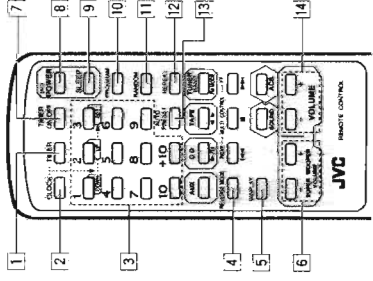
- Remplacement des piles
- Si le fonctionnement de la télécommande devient instable ou si la distance de fonctionnement devient plus courte, remplacez les piles.

Using the remote control unit

- Point at the remote sensor and operate within about 7 m (approx. 23 ft).
- The remote control range is less when the unit is used at an angle.
- Do not expose the remote sensor to strong direct sunlight or artificial lighting.
- Make sure that there are no obstacles between the remote control unit and the main unit.
- If the radio reception is noisy, move the remote control unit away from the main unit.

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

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



- 1. TIMER button
Press to change the mode to TIMER.
- 2. CLOCK button
Press to adjust the clock.
- 3. Number buttons (1-10, +10)
Press to play specific tracks or to program the mode is set to CD.
- 4. Preset buttons (1-3)
Press to select preset stations.
- Buttons 1-3 are also used for clock adjustment and timer operation (see page 31).
- 5. REVERSE button
Press to reverse the program play mode.
- 6. DISPLAY button
Press to display the current mode.
- 7. SUPER WOOFER VOLUME buttons (+/-)
Press to adjust the SUPER WOOFER VOLUME.
- 8. POWER (AC) button
Press to turn the unit on/off.
- 9. SLEEP button
Press to set the SLEEP timer.
- 10. PROGRAM button
Press to set the program play mode.
- 11. REPEAT button
Press to repeat the program play mode.
- 12. AUTO PRESET button
Press to set the AUTO PRESET.
- 13. VOLUME buttons (+/-)
Press to adjust the volume.

Buttons not mentioned here have the same functions as those on the main unit.

Utilización de la unidad de control remoto

- Apuntela hacia el sensor remoto y hágala funcionar dentro de un radio de 7 m aprox.
- El radio de acción del controlador remoto es menor cuando se lo apunta en ángulo.
- No exponga el sensor remoto a la luz directa del sol o a fuente luminosa artificial.
- Asegúrese de que no haya obstáculos entre el controlador remoto y la unidad principal.
- Si la recepción de radio tiene ruido, aleje el control remoto de la unidad principal.

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

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



- 1. Botón TIMER
Presione para cambiar el modo a TIMER.
- 2. Botón CLOCK
Presione para ajustar el reloj.
- 3. Botones de número (1-10, +10)
Presione para reproducir pistas específicas o para programar el modo (cuando el modo está ajustado en CD).
- 4. Botones de preselección (1-3)
Presione para seleccionar estaciones de preselección.
- Los botones 1 a 3 también son empleados para el ajuste del reloj y para la operación del temporizador (ver página 31).
- 5. Botón REVERSE
Presione para invertir la reproducción programada.
- 6. Botón DISPLAY
Presione para cancelar o reposicionar el modo de reproducción programada.
- 7. Botones SUPER WOOFER VOLUME (+/-)
Presione para ajustar el volumen del SUPER WOOFER.
- 8. Botón POWER (AC)
Presione para encender o apagar la unidad principal.
- 9. Botón SLEEP
Presione para seleccionar el modo de reproducción programada.
- 10. Botón PROGRAM
Presione para seleccionar el modo de reproducción programada.
- 11. Botón REPEAT
Presione para repetir la reproducción programada.
- 12. Botón AUTO PRESET
Presione para seleccionar el modo de reproducción programada.
- 13. Botones VOLUME (+/-)
Presione para ajustar el volumen.

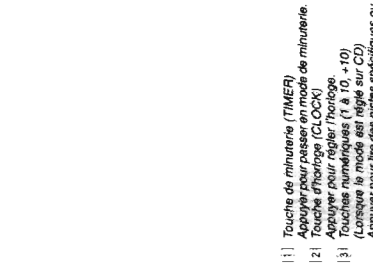
Los botones que no están aquí mencionados poseen las mismas funciones que los de la unidad principal.

Utilisation du boîtier de télécommande

- Pointer le boîtier de télécommande vers la section de détection et l'utiliser dans une limite de 7 m environ.
- La portée de la télécommande devient plus courte quand le boîtier est utilisé en forçant un angle.
- Ne pas exposer la section du détecteur de la télécommande à la lumière forte (solaire ou éclairage artificiel).
- S'assurer qu'il n'y a pas d'obstacles entre la section du détecteur de télécommande et la télécommande.
- Si la réception radio est bruyée, éloigner la télécommande de l'appareil principal.

Le fonctionnement suivant peut être effectué en utilisant le boîtier de télécommande.

- Bien étudier les fonctions des touches de fonctionnement et les utiliser correctement.



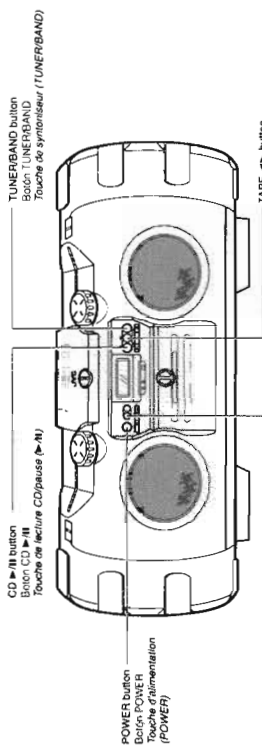
- 1. Touche de minuterie (TIMER)
Appuyez pour passer en mode de minuterie.
- 2. Touche d'horloge (CLOCK)
Appuyez pour régler l'horloge.
- 3. Touches numériques (1 à 10, +10)
Appuyez pour sélectionner des pistes spécifiques ou programmer des pistes.
(Lorsque le mode est réglé sur CD)
(Lorsque le mode est réglé sur TUNER)
Appuyez pour sélectionner des stations préétablies.
- Les touches 1 à 3 sont également utilisées pour le réglage de l'horloge et les opérations de minuterie (voir page 31).
- 4. Touche de mode d'inversion (REVERSE MODE)
Appuyez pour inverser la reproduction.
- 5. Touche d'affichage (DISPLAY)
Appuyez pour annuler ou remettre à zéro la minuterie.
- 6. Touches SUPER WOOFER VOLUME (+/-)
Appuyez pour ajuster le volume du SUPER WOOFER.
- 7. Touche d'alimentation secteur (POWER (AC))
Appuyez pour allumer ou éteindre l'appareil principal.
- 8. Touche SLEEP
Appuyez pour sélectionner le mode de reproduction programmée.
- 9. Touche PROGRAM
Appuyez pour sélectionner le mode de reproduction programmée.
- 10. Touche REPEAT
Appuyez pour répéter la reproduction programmée.
- 11. Touche AUTO PRESET
Appuyez pour sélectionner le mode de reproduction programmée.
- 12. Touches VOLUME (+/-)
Appuyez pour ajuster le volume.

Les touches non mentionnées ici ont les mêmes fonctions que celles sur l'appareil principal.

SWITCHING THE POWER ON/OFF

CONEXION/DESCONEXION DE LA ALIMENTACION

COMMUTATION MARCHÉ/ARRÊT DE L'ALIMENTATION



Switching the power on/off

Conexión/desconexión de la alimentación

Commuation marche/arrêt de l'alimentation

• Switching on:

• Conexión:

• Mise en marche:

• Switching off:

• Desconexión:

• Mise à l'arrêt:

One touch operation (COMPU PLAY)

Operación de un solo toque (COMPU PLAY) (solo cuando se usa alimentación de CA)

Fonctionnement une touche (COMPU PLAY) (uniquement lorsque l'alimentation secteur est utilisée)

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

Cuando la alimentación está colocada en espera, el presionar el botón mostrado abajo conecta la alimentación y selecciona la fuente.

Même lorsque l'alimentation est réglée en attente, une pression sur la touche montrée ci-dessous met l'alimentation sur marche et sélectionne la source.

Function mode Modo de función Mode fonction	CD	TAPE	TUNER	AUX
When this button is pressed with a CD loaded, CD playback begins. Cuando se presiona este botón habiendo un CD colocado, comienza la reproducción del mismo. Lorsque cette touche est pressée avec un disque audiotape chargé, la lecture CD commence.				
When this button is pressed with a tape loaded, tape playback begins. Cuando se presiona este botón habiendo una cinta colocada, comienza la reproducción de la misma. Lorsque cette touche est pressée avec une cassette chargée, la lecture de la cassette commence.				
When this button is pressed, the tuner is engaged. Cuando se presiona este botón, se activa el sintonizador. Lorsque cette touche est pressée, le sintoniseur est engagé.				
A sound source connected to the AUX IN terminal can be engaged. Es posible activar una fuente de sonido que esté conectada al terminal AUX IN. Une source de son raccordée à la borne AUX IN peut être engagée.				

Notes:

- COMPU PLAY doesn't function when the unit is used with batteries or a car adapter. Press the POWER button to turn on. To avoid battery exhaustion, the display window doesn't light either when the power is switched ON.
- When switching off the power, be sure to press the POWER button.
- The COMPU PLAY function on the remote control has the same function as that on the main unit.

Remarques:

- COMPU PLAY no funciona cuando la unidad es usada con pilas o con el adaptador del automóvil. Presione el botón POWER para conectar la alimentación. Para evitar que la batería se agote, la ventanilla de indicación no se enciende aunque la alimentación esté suelta.
- Para desconectar la alimentación asegúrese de presionar el botón POWER.
- El función COMPU PLAY del controlador remoto tiene la misma función que el de la unidad principal.

Remarques:

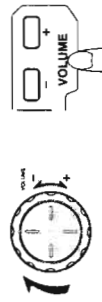
- COMPU PLAY ne fonctionne pas quand l'appareil est utilisé avec des piles ou un adaptateur automobile. Appuyez sur la touche POWER pour mettre en marche. Pour éviter la vidage des piles, la fenêtre d'affichage ne s'allume pas même quand l'alimentation est soustraite.
- Pour couper l'alimentation, s'assurer de bien appuyer sur la touche POWER.
- La fonction COMPU PLAY sur la télécommande a la même fonction que celle sur l'appareil principal.

VOLUME, SOUND MODE AND OTHER CONTROLS

VOLUME control

- Use to increase the volume.
- Use to decrease the volume.
- The volume level is displayed in the display window for 2 seconds.

Main unit
Unidad principal
Appareil principal



Remote control unit
Unidad de control remoto
Télécommande

Botón VOLUME

- Usado para aumentar el volumen.
- Usado para reducir el volumen.
- (Los límites de control van de VOL. 0 a VOL. 50.)
- El nivel de volumen es indicado en la ventanilla de indicación durante 2 segundos.

SUPER WOOFER VOLUME control

- Use to emphasize the bass sound.
- Use to tone down the bass sound.
- The volume level is displayed in the display window for 2 seconds.

Main unit
Unidad principal
Appareil principal



Remote control unit
Unidad de control remoto
Télécommande

Control SUPER WOOFER VOLUME

- Empleado para enfatizar el sonido grave.
- Empleado para reducir el sonido grave.
- (Los límites de control son de BASS 1 a BASS 6.)
- El nivel del volumen es indicado en la ventanilla de indicación durante 2 segundos.

Commande SUPER WOOFER VOLUME

- Utiliser pour relever le son grave.
- Utiliser pour réduire le son grave.
- (Gamme de commande de BASS 1 à BASS 6.)
- Le niveau du volume est affiché dans la fenêtre d'affichage pendant 2 secondes.

Note:

Because it is rotary, the VOLUME control knob of the SUPER WOOFER VOLUME sound control does not have a volume stopper. Check the volume level in the display window when adjusting.

Note:

Como la palilla de control VOLUME y la del control SUPER WOOFER VOLUME son de tipo giratorio, el control de volumen no tiene un tope de volumen. Verifique el nivel de volumen en la ventanilla de indicación durante el ajuste.

Remarque:

Comme les boutons de commande VOLUME et SUPER WOOFER VOLUME sont rotatifs, il n'y a pas de butoir de volume. Vérifier le niveau de volume dans la fenêtre d'affichage en ajustant.

ACTIVE CLEAR SOUND™ button

Use the ACTIVE CLEAR SOUND (ACS) button to turn the active clear sound ON. Press the ACTIVE CLEAR SOUND button to turn it ON/OFF.

• Active Clear Sound (ACS)
The Active Clear Sound (ACS) circuit emphasizes high-frequency sound without lowering the signal-to-noise ratio, while adjusting its output according to the input signal level. This function is useful for removing the low-frequency sound and the low-frequency heavy bass sound.

Botón ACTIVE CLEAR SOUND™

Emprese el botón ACTIVE CLEAR SOUND (ACS) para activar el sonido claro activo. Presione el botón ACTIVE CLEAR SOUND para conectarlo/desconectarlo ON/OFF.

• Active Clear Sound (ACS)
El circuito Active Clear Sound (ACS) enfatiza el sonido de alta frecuencia sin reducir la relación señal - ruido, al mismo tiempo que ajusta la salida de acuerdo al nivel de la señal de entrada. Esta función es útil para eliminar los sonidos de las frecuencias bajas y los sonidos graves de baja frecuencia.

Touche ACTIVE CLEAR SOUND™

Utiliser la touche ACTIVE CLEAR SOUND (ACS) pour relever la reproduction sonore. Appuyez sur la touche ACTIVE CLEAR SOUND pour la mettre en marche/arrêt.

• ACS (Son clair actif)
Le circuit ACS (Son clair actif) met en valeur le son haute fréquence sans faire chuter le rapport signal sur bruit, tout en ajustant sa sortie en fonction du niveau du signal d'entrée. Ce qui donne un meilleur équilibre entre le son haute fréquence et le son grave lourde basse fréquence.

Main unit
Unidad principal
Appareil principal

Remote control unit
Unidad de control remoto
Télécommande

Remarque:

Binis depending on the volume level. L'estelle dependiendo del nivel de volumen. Les réglages sont en fonction du niveau de volume.

HANDLING CDs

Since dirty, damaged and warped CDs may damage the unit, take care regarding the following.

- Usable CDs**
 - Use CDs with the mark shown.
- Notes on handling CDs**
 - Do not touch the reflective recorded surface.
 - Do not stick or write anything on the label side of the disc.
 - Do not bend CDs.
- 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.
- Cleaning CDs**
 - Before loading a CD, wipe off any dust, dirt or fingerprints with a soft cloth. CDs should be cleaned by wiping radially from the center to the edge.
- Never use thinner, benzine, record cleaner or antistatic spray.**

MANIPULACION DE CD

Como los CD sucios, dañados o alabados pueden dañar la unidad, tome precauciones en relación a lo siguiente.

- CD utilizables**
 - Utilice CD con la marca indicada.
- Notas sobre manipulación de CD**
 - No toque la superficie grabada reflejante.
 - No adherirá ni escribir nada sobre el lado de la etiqueta.
 - No doble los CD.
- 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 calefactor, etc., alta humedad o polvo.
- 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.
- Nunca utilice solvente, bencina, limpiador de discos o aerosol antistático.**

MANIPULATION DES DISQUES AUDIONUMERIQUES

Comme la saleté, des disques endommagés ou gondolés peuvent provoquer des dommages à l'appareil, faire attention aux points suivants.

- Disques audio numériques utilisables**
 - Utiliser des disques portant la marque montrée.
- Remarques sur la manipulation des disques**
 - Ni pas toucher la surface enregistrée.
 - Ni rien coller ni écrire sur la face portant l'étiquette.
 - Ni pas courber les disques.
- Stockage**
 - Après retrait d'un disque de l'appareil, s'assurer de bien le remettre dans son boîtier.
 - Ni pas exposer les disques en plein soleil.
 - Ni de fortes températures comme près d'un appareil de chauffage, dans les endroits très humides ou sales.
- Nettoyage d'un disque**
 - Avant de charger un disque, essuyer la poussière, la saleté ou les empreintes digitales à la surface du disque avec un chiffon doux. Les disques doivent être nettoyés de l'intérieur vers l'extérieur.
- Ni jamais utiliser de diluant, de benzine ou un jet pulvérisé antistatique.**

Handling:
• Manipulation
• Manipulation

Correct:
Correct Manipulation
Correct

Incorrect:
Incorrect Manipulation
Incorrect

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

Sound mode button

Sound modes can be selected to enhance the type of music being played.

- Press the SOUND button to select the sound mode.
- Each time the SOUND button is pressed the sound mode changes as follows:

Remote control unit
Appareil principal

Unit
Appareil

Sound mode button

BEAT → POP → CLEAR → FLAT

Botón de modo de sonido

Los modos de sonido pueden ser seleccionados para realzar el tipo de música que está siendo reproducida.

- Presione el botón SOUND para seleccionar el modo de sonido.
- Cada vez que presione el botón SOUND, el modo de sonido cambia de la forma siguiente.

Selección del modo de sonido

BEAT: Colóquelo en esta posición para música con ritmo pillado tal como rock o música de baile.

POP: Colóquelo en esta posición para música popular y vocal.

CLEAR: Colóquelo en esta posición para música con sonido vívido y claro con altas transparencias.

FLAT (Sin efecto de sonido (característica plana)): Colóquelo en esta posición para escuchar música clásica.

Nota: Los modos seleccionados solo afectan la salida de sonido proveniente de los altavoces o auriculares, pero no afectan el sonido cuando se graba.

Sound mode selection

BEAT: Set to this position for music with a heavy beat, such as rock or disco music.

POP: Set to this position for light music including popular and vocal music.

CLEAR: Set to this position for crisp and clear sounding music with transparent highs.

FLAT (No sound effect (flat characteristics)): Set to this position when listening to classical music.

Note: The selected modes only affect the sound output from the speakers or headphones. They do not affect the sound when recording.

Selección del modo de son

BEAT: Ponerlo en esta posición para la música con un ritmo importante, tal como la música rock o disco.

POP: Ponerlo en esta posición para la música ligera comprendiendo la música popular y el canto.

CLEAR: Ponerlo en esta posición para la música con sonido vivo y claro con altas transparencias.

FLAT (Sin efecto de sonido (características planas)): Ponerlo en esta posición para escuchar música clásica.

Remarque: Les modes sélectionnés n'affectent que la sortie de son des haut-parleurs ou de casque d'écoute. Ils n'affectent pas le son en enregistrement.

Sound mode selection

BEAT: Les modes sélectionnés affectent que la sortie de son des haut-parleurs ou de casque d'écoute. Ils n'affectent pas le son en enregistrement.

Remarque:

Les modes sélectionnés affectent que la sortie de son des haut-parleurs ou de casque d'écoute. Ils n'affectent pas le son en enregistrement.

1-14

18

17

PLAYING CDS

REPRODUCCION DE CD

LECTURE DE DISQUES AUDIONUMERIQUES

Playing an entire CD

The following example of playing an entire CD assumes a CD with 12 tracks and a total playing time of 48 minutes 57 seconds.

Operate in the order shown

When AC power is used (When battery power is used, switch on the POWER button first, then perform operation.)

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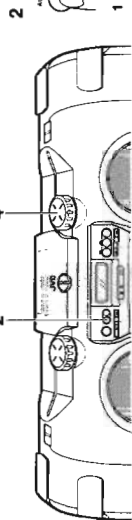
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UTILISATION AVEC UN AUTRE APPAREIL AUDIO

Procéder dans l'ordre indiqué

- Lorsque l'alimentation secteur est utilisée, (Si l'énergie des piles est utilisée, commutateur d'abord la touche d'alimentation, puis effectuer l'opération.)

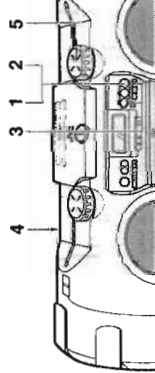


- 1 Connect the audio unit, turntable, MD player, etc. to the AUX (in jack) (see page 7).
- 2 Press the power button. (The power is switched on and the AUX mode is engaged.)
- 3 Start playback on the connected audio unit. (For more details, refer to the instruction manual of the connected audio unit.)
- 4 Adjust the volume. (The volume level is displayed in the display window.)

RADIO RECEPTION

Operate in the order shown

- When AC power is used. (When battery power is used, switch on the power button first, then perform operation.)



- 1 Press the TUNER BAND button.
- 2 Select the band by pressing the TUNER BAND button.
- 3 Tune to the required station.
- 4 Adjust the volume. (The volume level is displayed in the display window.)
- 5 Adjust the antenna. (See page 27.)

Para escuchar un programa estereofónico de FM

- **FM auto**
Set to this position by pressing the TUNER BAND button. The "MONO" indicator is lit and the sound becomes mono. When another station is tuned to in this mode, the "MONO" indicator goes off and the unit returns to the FM auto automatically.
- **FM mono**
Set to this position by pressing the TUNER BAND button. If FM stereo reception is noisy, the "MONO" indicator is lit and the sound becomes mono. When another station is tuned to in this mode, the "MONO" indicator goes off and the unit returns to the FM auto automatically.

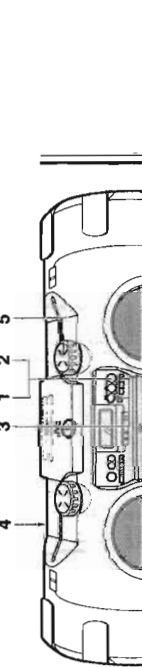
- **FM stereo**
Set to this position by pressing the TUNER BAND button. The "MONO" indicator is lit and the sound becomes mono. When another station is tuned to in this mode, the "MONO" indicator goes off and the unit returns to the FM auto automatically.
- **FM mono**
Set to this position by pressing the TUNER BAND button. If FM stereo reception is noisy, the "MONO" indicator is lit and the sound becomes mono. When another station is tuned to in this mode, the "MONO" indicator goes off and the unit returns to the FM auto automatically.

Note:
AM broadcast are monaural.

RECEPTION RADIO

Procéder dans l'ordre indiqué

- Lorsque l'alimentation secteur est utilisée, (Si l'énergie des piles est utilisée, commutateur d'abord la touche d'alimentation, puis effectuer l'opération.)



- 1 Appuyez sur la touche TUNER BAND.
- 2 Sélectionnez la bande à réécouter en appuyant sur la touche TUNER BAND.
- 3 Sintonisez la station voulue.
- 4 Ajustez le volume.
- 5 Ajustez l'antenne (voir page 27).

Pour écouter une émission stéréo FM

- **FM auto**
Régler sur cette position en appuyant sur la touche TUNER BAND pour écouter ou enregistrer une émission FM. Si une émission stéréo FM est reçue, l'indicateur "STEREO" est allumé et la réception passe en stéréo. Si une autre émission est sintonisée dans ce mode, l'indicateur "MONO" est allumé et l'appareil revient automatiquement en mode FM auto.
- **FM mono**
Régler sur cette position en appuyant sur la touche TUNER BAND si la réception stéréo FM est bruyante. L'indicateur "MONO" est allumé et la réception passe en mono. Si une autre émission est sintonisée dans ce mode, l'indicateur "MONO" est allumé et l'appareil revient automatiquement en mode FM auto.

- **FM stereo**
Régler sur cette position en appuyant sur la touche TUNER BAND si la réception stéréo FM est bruyante. L'indicateur "MONO" est allumé et la réception passe en mono. Si une autre émission est sintonisée dans ce mode, l'indicateur "MONO" est allumé et l'appareil revient automatiquement en mode FM auto.
- **FM mono**
Régler sur cette position en appuyant sur la touche TUNER BAND si la réception stéréo FM est bruyante. L'indicateur "MONO" est allumé et la réception passe en mono. Si une autre émission est sintonisée dans ce mode, l'indicateur "MONO" est allumé et l'appareil revient automatiquement en mode FM auto.

Remarque:
Les émissions AM sont monophoniques.

Búsqueda de sintonía (sintonización automática)

Presione el botón **◀▶** o **▶▶** durante un segundo o más. La unidad ingresa en el modo de búsqueda de sintonía, sintonizando automáticamente la estación más próxima, escuchándose la radiodifusión.

Sintonización manual

Cada vez que se presiona el botón **◀▶** o **▶▶**, la unidad pasa a través de la banda de frecuencia de 100 kHz a 108 MHz en pasos de 100 kHz para FM, de 10 kHz para AM.



- **Notas:**
• Cuando la búsqueda de sintonía de la estación deseada no es posible debido a que la señal de radiodifusión es demasiado débil, la unidad pasará al modo de búsqueda de sintonía manual.
• Cuando se conecta la alimentación en espera, la frecuencia sintonizada en espera, o selecciona otro modo (TAPE o CD), la última frecuencia sintonizada es almacenada en memoria. Cuando conecta la alimentación otra vez y presiona el botón TUNER BAND, la unidad sintoniza la misma estación.

Sintonización programada automática

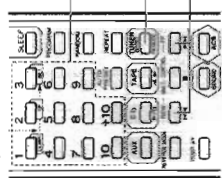
Esta función busca la banda actual, detectando frecuencias usadas para señales de radiodifusión y almacena las primeras 30 frecuencias de FM y 15 frecuencias de AM en memoria automáticamente.
Presione el botón **PRESET TUNING** durante más de 2 segundos.
(Presione el botón **PRESET TUNING** durante más de 2 segundos.)

Presione el botón AUTO PRESET

Las frecuencias de las estaciones que están radiodifundiendo pueden ser automáticamente almacenadas en memoria automáticamente en 30 estaciones en la banda de FM y 15 estaciones en la banda de AM.

Selección de las radiodifusoras deseadas (utilizando la unidad de control remoto)

Es posible presetizar 30 estaciones en la banda de FM y 15 estaciones en la banda de AM de la siguiente forma:
• La sintonización automática de la radiodifusión de una estación de FM en 103.5 MHz en el botón "15" de presetización.



- 1 Press the TUNER BAND/FM MODE button.
- 2 Select the FM band using the TUNER BAND/FM MODE button.
- 3 Tune to the required station.
- 4 Press the preset button "15". (When "15" blinks in the preset station display, the station has been stored.)

Sintonización por búsqueda (sintonización automática)

Appuyez sur la touche **◀▶** ou **▶▶** pendant plus d'une seconde, l'appareil passe en mode de recherche pour se synchroniser automatiquement sur la station la plus proche, ainsi l'émission peut être entendue.

Synchronisation manuelle

A chaque pression sur la touche **◀▶** ou **▶▶**, la fréquence change dans la gamme de fréquence de 100 kHz à 108 MHz en FM et 10 kHz en AM.

Remarques:

- Lorsque la synchronisation par recherche de la station voulue n'est pas possible parce que le signal de diffusion est trop faible, appuyer momentanément sur la touche **◀▶** ou **▶▶** pour effectuer la synchronisation manuelle.
- Lorsque se connecte l'alimentation en attente, ou si un autre mode (TAPE ou CD) est sélectionné, la dernière fréquence sintonisée est mémorisée. Quand l'alimentation est remise sur marche et que la touche TUNER BAND est pressée, la même station sera sintonisée.

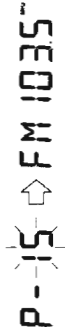
Synchronisation automatique des présélections

Cette fonction recherche la gamme courante, détectant les fréquences utilisées par les signaux d'émission, et met automatiquement les 30 premières fréquences FM et les 15 premières fréquences AM en mémoire.

Appuyez sur la touche **PRESET TUNING** pendant plus de 2 secondes.
(En utilisant la télécommande)
Appuyez sur la touche **AUTO PRESET**.

Préréglage des stations désirées (en utilisant la télécommande)

30 stations dans la gamme FM et 15 stations dans la gamme AM peuvent être pré-réglées comme suit:
• Pour pré-régler une émission d'une station FM sur 103.5 MHz sur la touche de pré-réglage "15".



- 1 Appuyez sur la touche TUNER BAND/FM MODE.
- 2 Sélectionnez la gamme FM avec la touche TUNER BAND/FM MODE.
- 3 Sintonisez la station désirée.
- 4 Pressez la touche de pré-réglage "15". (Quand "15" clignote dans l'affichage de la station pré-réglée, la station a été pré-réglée.)

RECORDING

GRABACION

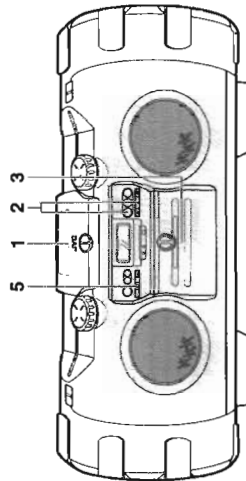
ENREGISTREMENT

- During recording, the ALC (Automatic Level Control) circuit automatically optimizes the recording level, so manual recording level adjustment is unnecessary.
- Check that the safety tab on the cassette tape is not broken off.

Note:
This unit has recording characteristics for normal and C-60 tapes. Normal and C-60 tapes have different characteristics from metal tapes.

Synchronized recording with the CD player
In this system, the CD player starts play when the cassette deck enters the recording mode.

Operate in the order shown



- 1 Load a CD and close the CD door.
- 2 Press the CD button to engage the CD player. The CD player starts play when the cassette deck enters the recording mode.
- 3 Load a cassette with side A facing out. (Wind past the tape leader before starting recording.)
- 4 Select the required reverse mode (◀ or ▶) and press the tape direction button. When programmed play is required, program the required tracks using the remote control. (See page 21.)
- 5 Press the ONE TOUCH REC button: Synchronized recording will start. The forward direction indicator (▶) blinks and the REC indicator lights up in the display window.

- Non-recorded sections of approx. 4 seconds are automatically left between tunes.
- When the CD player stops, the tape deck STOP button in the middle, press the ■ after 4 seconds.
- The cassette deck also stops after 4 seconds.

- Répéter la procédure précédente pour chacune des autres stations, en utilisant une touche de présélection différente à chaque fois.
- Répéter la procédure précédente pour l'autre gamme.
- Pour changer les stations prééglées
Effectuer l'étape 4 ci-dessus après avoir synchronisé la station voulue.

Remarque:
La station précédente est effacée quand une nouvelle station est prééglée car celle-ci est enregistrée dans une mémoire différente. Lors de l'écoute d'une émission AM, du bruit peut être entendu si la télécommande est utilisée.

Pour éviter aux stations prééglées d'être effacées à cause d'une panne de courant, etc., installer des piles de soutien mémoire dans l'appareil (voir page 8).

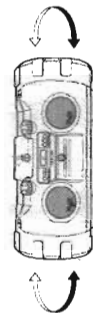
Synchronisation de station prééglées (Réception des stations prééglées)

- Les stations doivent être prééglées avant de procéder à cette opération.

(En utilisant l'appareil principal)
1 Appuyer sur la touche TUNER BAND.
2 Sélectionner la gamme en utilisant la touche TUNER BAND.
3 Changer les stations prééglées en utilisant la touche TUNER BAND.

(En utilisant la télécommande)
1 Appuyer sur la touche TUNER BAND/FM MODE.
2 Sélectionner la gamme en utilisant la touche TUNER BAND/FM MODE.
3 Appuyer sur les touches de station prééglée correspondante à la station prééglée et la fréquence correspondante à la touche prééglée sont indiquées.

Utilisation des antennes



FM: Ajuster la longueur, l'inclinaison et l'orientation de l'antenne télescopique pour obtenir la réception optimale.
AM: Installer l'unité où la réception sera la meilleure (à côté d'une fenêtre, d'une porte, etc.) ou changer l'orientation de l'appareil.

Remarque:
L'antenne à noyau de ferrite incorporée peut capter des interférences provenant d'un téléviseur dans le voisinage et provoquer par conséquent une mauvaise réception des émissions AM.

- Repita el procedimiento anterior para cada una de las otras estaciones, utilizando un botón de preselección diferente para cada estación.
- Repita el procedimiento anterior para la otra banda.
- Cambio de estaciones predefinidas
Ejecute el paso 4 de arriba después de sincronizar la estación deseada.

Notes:
La estación previamente almacenada se borrará cuando se almacene una estación ya predefinida. Cuando se escucha una radiodifusión de AM, es posible que se escuche ruido si se utiliza la unidad de control remoto.

Para evitar que las estaciones predefinidas se borren debido a un corte de energía eléctrica, etc., coloque las pilas para apoyo de memoria en la unidad (ver página 8).

Predefinición de radiodifusoras (Recepción de radiodifusoras predefinidas)

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

(Empleando la unidad principal)
1 Presione el botón TUNER BAND.
2 Seleccione la banda empleando el botón TUNER BAND.
3 Cambie las estaciones predefinidas presionando el botón PRESET TUNING. Seleccionada la próxima estación predefinida.

(Utilizando la unidad de control remoto)
1 Presione el botón TUNER BAND/FM MODE.
2 Seleccione la banda utilizando el botón TUNER BAND/FM MODE.
3 Presione las botones (No. 1, No. 10 y +10) de la unidad para seleccionar la estación predefinida y la frecuencia correspondiente al botón presionado.

Utilización de antenas



FM: Ajuste la longitud de la antena telescópica, el ángulo y la orientación hasta que logre la recepción óptima.
AM: Instale la unidad donde la recepción sea la mejor (junto a una ventana, etc.) o cambie la orientación de la unidad.

Note:
El núcleo incorporado de la antena de ferrita puede captar interferencia de receptores de televisión de la vecindad y disturbando la recepción de AM.

- Repeat the previous procedure for each of the other stations, using a different preset button each time.
- Repeat the previous procedure for the other band.
- To change preset stations
Perform step 4 after tuning to the required station.

Notes:
The previously stored station is erased when a new station is stored, because the new frequency in memory replaces the previous frequency in memory.
When listening to an AM broadcast, noise may be heard if the remote control unit is used.

To prevent the preset stations from being erased because of a power failure, etc., install memory back-up batteries in the unit (see page 8).

Preset station tuning (Receiving the preset stations)

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

(Using the main unit)
1 Press the TUNER BAND button.
2 Select the band using the TUNER BAND button.
3 Each time the PRESET TUNING button is pressed, the next preset station is selected.

(Using the remote control unit)
1 Press the TUNER BAND/FM MODE button.
2 Select the band using the TUNER BAND/FM MODE button.
3 Press the required preset station buttons (No. 1 - No. 10 and +10).
The preset station number and frequency corresponding to the button pressed are shown.

Using the antennas



FM: Adjust the telescopic antenna's length, angle and direction until optimum reception is achieved.
AM: Install the unit where suitable reception is possible (beside a window, etc.) or change the direction of the unit.

Note:
The built-in ferrite core antenna can pick up interference from television receivers in the neighborhood and thereby disturb AM reception.

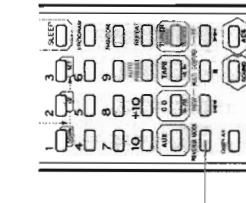
- En enregistrant, le circuit ALC (circuit de niveau automatique) optimise automatiquement le niveau d'enregistrement, ainsi l'ajustement du niveau d'enregistrement n'est pas nécessaire.
- Vérifier que la languette de sécurité de la cassette n'est pas brisée.

Remarque:
Cet appareil a des caractéristiques d'enregistrement adaptées pour les bandes normales et C-60. Les bandes normales et C-60 ont des caractéristiques différentes des bandes métal.

Enregistrement synchronisé avec le lecteur CD

- Dans ce système, le lecteur CD commence la lecture quand la platine à cassette passe en mode d'enregistrement.

Procéder dans l'ordre indiqué



- 1 Charger un CD et fermer le volet CD.
- 2 Appuyer sur la touche CD pour engager le lecteur CD. Le lecteur CD commence la lecture quand la platine à cassette passe en mode d'enregistrement.
- 3 Charger une cassette avec la face A l'extérieur. (Passer la bande amorcée avant de lancer l'enregistrement.)
- 4 Sélectionner le mode d'inversion requis (◀ ou ▶). La lecture programmée est requise pour programmer les pistes requises en utilisant la télécommande. (Voir page 21.)
- 5 Sélectionner les pistes avec une durée de lecture totale qui n'excède pas la longueur de la bande (se référer aux marques accompagnant la cassette). TOUCH REC: Appuyer sur la touche ONE TOUCH REC pour commencer l'enregistrement.
- L'enregistrement commence dans le sens avant et la lecture CD commence automatiquement.
- L'indicateur de sens avant (▶) clignote et l'indicateur REC s'allume dans la fenêtre d'affichage.

- Des sections non enregistrées d'environ 4 secondes seront automatiquement laissées entre les morceaux.
- Lorsque le lecteur CD s'arrête, la platine s'arrête automatiquement.
- Pour arrêter l'enregistrement dans le milieu, appuyer sur la touche ■ STOP. La platine à cassette s'arrête également au bout de 4 secondes.

Note:

- During CD recording, the CD ►/III and (◀, ▶, II) buttons do not function.
- If a recording is completed in the reverse direction (◀), it is possible to continue recording without changing the direction to forward (▶) until the tape ends.
- Continuous play CD is selected, a recording CD is selected, and the CD ►/III button appears in the display window during recording.

CD complete recording function (Synchro recording mode only)

- If the tape is reversed while a CD is being played, recording will be done on the reverse side of the tape as follows:
 - When less than 10 seconds of the last tune on the forward side of the tape have been recorded, the recording of the reverse side tape will start from the beginning of the previous track.
 - When more than 10 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the current track.

Before recording

When the tape direction is set to ◀ (reverse direction) after a cassette tape is inserted...

- 1 Press the TAPE ◀ button twice to change the tape direction to ▶ (forward direction).
- 2 Press the ■ STOP button.
- 3 Change the mode to CD by pressing the CD ►/III button.

If a non-recorded tape with side A facing out is inserted, the recording will start from the beginning of the recording is stopped immediately.

When non-recorded section between tunes is not required...

- 1 Press the CD ►/III button twice. The CD player enters the pause mode.
- 2 Press the ONE TOUCH REC button to start recording.

Note:

- Depending on the CD used, non-recorded sections of different lengths may be left between tunes.

To record one track...

Play the track to be recorded. Then press the ONE TOUCH REC button to locate the beginning of the track and enter the one track recording mode. After the recording is finished, the CD player and cassette deck both stop.

To record only on side B or in the middle of a tape...

- 1 Load the cassette with the required side facing out.
 - 2 Set the reverse mode to ◀ with the remote control unit.
 - 3 Press the ONE TOUCH REC button on the main unit.
- Synchronized recording starts and the playback is completed automatically when CD playback is completed.

How to rewind a tape

- 1 Press the TAPE ◀ button (to set TAPE mode).
- 2 Press the ■ STOP button.
- 3 Press the ◀◀ (REW) button.

Note:

- During the playback synchronized with CD, the CD ►/III and (◀, ▶, II) buttons do not function.
- If a recording is completed in the reverse direction (◀), it is possible to continue recording without changing the direction to forward (▶) until the tape ends.
- Continuous play CD is selected, a recording CD is selected, and the CD ►/III button appears in the display window during recording.

Function of playback synchronized with CD (mode recording mode only)

- If the tape is reversed while a CD is being played, recording will be done on the reverse side of the tape as follows:
 - When less than 10 seconds of the last tune on the forward side of the tape have been recorded, the recording of the reverse side tape will start from the beginning of the previous track.
 - When more than 10 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the current track.

Antes de la grabación

Quando se ajusta el sentido de la cinta en ◀ (hacia atrás), después que se coloca una cinta de cassette...

- 1 Presione dos veces el botón TAPE ◀ para cambiar el sentido de la cinta a ▶ (hacia adelante).
- 2 Presione el botón ■ STOP.
- 3 Cambie el modo a CD presionando el botón CD ►/III.

Si se inserta una cinta de lado A que no está grabada hacia atrás (◀), la grabación comenzará inmediatamente.

Quando no desea una sección sin grabar entre músicas...

- 1 Presione dos veces el botón CD ►/III. El CD player entra en modo pausa.
- 2 Presione el botón ONE TOUCH REC para iniciar la grabación.

Note:

- Dependiendo del CD utilizado, las posibles longitudes de secciones sin grabar entre músicas pueden variar.

Grabación de una pista...

Reproduzca la pista a ser grabada. Luego, al presionar el botón ONE TOUCH REC, la unidad ubicará el principio de la pista y activará el modo de grabación de una pista. Después que termine la grabación, el reproductor de CD y la pila de la grabación se detendrán automáticamente.

Para grabar sólo el lado B o en la mitad de una cinta...

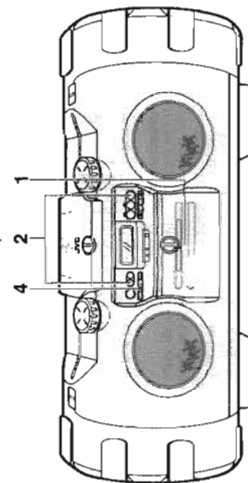
- 1 Coloque la cassette con el lado correcto apuntando hacia atrás.
- 2 Ajuste el modo de inversión en ◀ con el control remoto.
- 3 Presione el botón ONE TOUCH REC en la unidad principal. Se iniciará la grabación sincronizada con la reproducción de la pista. La grabación terminará automáticamente cuando termine la reproducción del CD.

Método para rebobinar una cinta

- 1 Presione el botón TAPE ◀ (para activar el modo TAPE).
- 2 Presione el botón ■ STOP.
- 3 Presione el botón ◀◀ (REW) (para rebobinar la cinta).

Recording from the radio or an external source connected to the AUX IN terminals

Operate in the order shown



- 1 Load a cassette with side A facing out. (When using the tape recorder before starting recording.)
 - Make sure the tape direction is set to ▶ (forward direction).
- 2 Select the source to be recorded. TUNER: Press the TUNER/BAND/FORM MODE button. AUX: Press the AUX button. Select the desired recording mode.
- 3 Press the ONE TOUCH REC button.
- 4 The recording starts from the beginning of side A.

BEAT CUT button

When recording an AM broadcast, beats may be produced which are not heard when listening to the broadcast. In such cases, set this button to "CUT-1". This will eliminate the beats from the recording. Normally, setting this button to "CUT-1".

**Erasing**

A recorded tape can be erased by recording new material over the previous material.

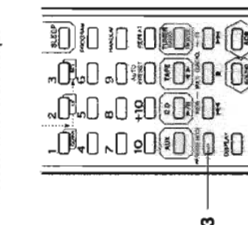
To erase a tape without making a new recording...

- 1 Press the TAPE ◀ button to set to the TAPE mode.
- 2 Insert the cassette to be erased facing out.
- 3 Press the ONE TOUCH REC button.

It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, or the author of the program, or in any literary, dramatic, musical, or artistic work embodied therein.

Grabación desde la radio o desde una fuente externa conectada a los terminales AUX IN

Operate in the order shown



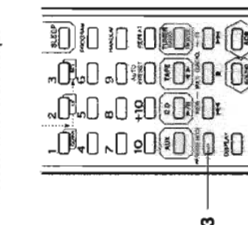
- 1 Coloque un cassette con el lado A hacia afuera (antes de iniciar la grabación rebobine la cinta hasta el comienzo de la porción grabable.)
 - Asegúrese de colocar el lado de la cinta en ▶ (hacia adelante).
- 2 Seleccione la fuente a ser grabada. TUNER: Presione el botón TUNER/BAND/FORM MODE. AUX: Presione la estación deseada. AUX: Presione el botón AUX.
- 3 Seleccione el modo de inversión deseado.
- 4 Presione el botón ONE TOUCH REC.

Botón BEAT CUT

Cuando graba una radiodifusión de AM, es posible que se escuchan compases inaudibles cuando escucha la radiodifusión. En tal caso, ajuste este botón de acuerdo a lo que indica el diagrama de la página 11. Después de esto, los compases normalmente serán eliminados de la grabación.

**Enregistrement à partir de la radio ou d'une source externe branchée aux bornes AUX IN**

Procéder dans l'ordre indiqué



- 1 Chargez une cassette avec la face A vers l'arrière (avant de commencer l'enregistrement, rebobinez la bande enroulée avant de lancer l'enregistrement.)
 - S'assurer que le sens de déroulement de la bande est réglé sur ▶ (sens avant).
- 2 Sélectionnez la source à enregistrer. TUNER: Appuyez sur la touche TUNER/BAND/FORM MODE. AUX: Appuyez sur la station requise. AUX: Sélectionnez le mode d'inversion voulu.
- 3 Appuyez sur la touche ONE TOUCH REC.
- 4 L'enregistrement commence à partir du début de la face A.

Touche BEAT CUT

En enregistrant une émission AM, des battements qui ne sont pas entendus lors de l'écoute de l'émission peuvent être produits. Dans ce cas, réglez ce bouton en fonction du diagramme de la page 11. Après cela, les battements seront normalement éliminés de l'enregistrement.

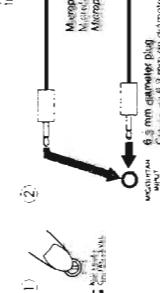
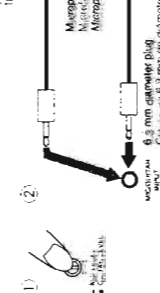
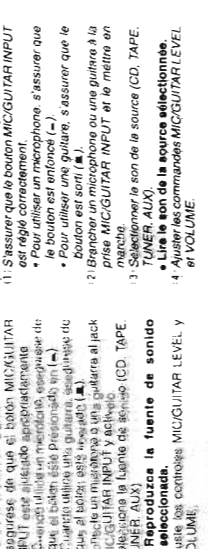
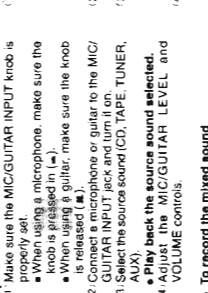
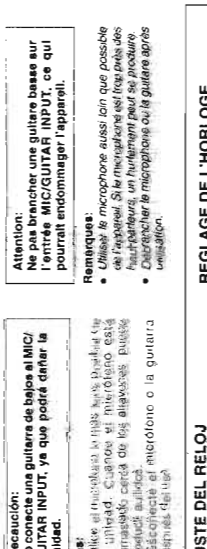
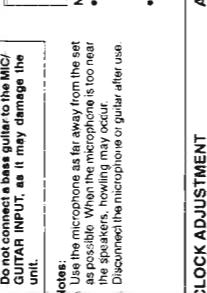
Effacement

Une bande enregistrée peut être effacée en enregistrant du nouveau matériel sur le précédent.

Pour effacer une bande sans faire de nouvel enregistrement...

- 1 Appuyez sur la touche TAPE ◀ pour régler sur le mode TAPE.
- 2 Insérez la cassette avec la face à effacer tournée vers l'avant.
- 3 Appuyez sur la touche ONE TOUCH REC.

Il peut être illégal d'enregistrer ou de reproduire des œuvres sous copyright sans le consentement du détenteur des droits d'auteur.

MICROPHONE/GUITAR INPUT	ENTRÉE MICROPHONE/GUITARE
<p>A microphone or guitar can be connected, and their sound can be mixed with the source sound.</p>  <p>(1) Microphone (optional) / Microphone (facultative) Microphone (6.3 mm) Fiche de 6,3 mm de diamètre</p> <p>(2) Guitar (optional) / Guitare (facultative) Guitar (6.3 mm) Fiche de 6,3 mm de diamètre</p> <p>(3) CD playback begins / Le lecteur CD se met en route</p> <p>(4) Example: Mixing the sound of a microphone or guitar with a CD / Exemple: Mélange du son d'un microphone ou d'une guitare et d'un CD</p> <p>Operate in the order shown / Opérer dans l'ordre indiqué</p> <ol style="list-style-type: none"> 1. Make sure the MIC/GUITAR INPUT knob is properly set. / Assurez-vous que le bouton MIC/GUITAR INPUT est réglé correctement. 2. When using a microphone, make sure the knob is pressed in (→). / Quand on utilise un microphone, s'assurer que le bouton est enfoncé (→). 3. Connect a microphone or guitar to the MIC/GUITAR INPUT jack and turn it on. / Branchez un microphone ou une guitare à la prise MIC/GUITAR INPUT et le mettre en marche. 4. Select the source sound (CD, TAPE, TUNER, AUX). / Sélectionnez le son de la source (CD, TAPE, TUNER, AUX). 5. Reproduce the source sound selected. / Reproduisez le son de la source sélectionnée. 6. Adjust the MIC/GUITAR LEVEL and VOLUME controls. / Ajustez les commandes MIC/GUITAR LEVEL et VOLUME. 7. To record the mixed sound onto a tape in the deck, press the ONE TOUCH REC button. / Pour enregistrer le son mixé sur une cassette dans la platine, appuyez sur la touche ONE TOUCH REC. <p>Caution: Do not connect a bass guitar to the MIC/GUITAR INPUT, as it may damage the unit. / Attention: Ne connectez pas une guitare basse à la prise MIC/GUITAR INPUT, car elle pourrait endommager l'appareil.</p> <p>Notes: Use the microphone as far away from the set as possible. When the microphone is too near the speakers, howling may occur. / Utilisez le microphone aussi loin que possible de l'appareil. Si le microphone est trop près des haut-parleurs, un hurlement peut se produire.</p> <p>Disconnect the microphone or guitar after use. / Déconnectez le microphone ou la guitare après utilisation.</p>	<p>Un microphone ou une guitare peut être branché, et leur son peut être mixé avec le son de la source.</p>  <p>(1) Microphone (optional) / Microphone (facultative) Microphone (6.3 mm) Fiche de 6,3 mm de diamètre</p> <p>(2) Guitar (optional) / Guitare (facultative) Guitar (6.3 mm) Fiche de 6,3 mm de diamètre</p> <p>(3) CD playback begins / Le lecteur CD se met en route</p> <p>(4) Example: Mixing the sound of a microphone or guitar with a CD / Exemple: Mélange du son d'un microphone ou d'une guitare et d'un CD</p> <p>Procéder dans l'ordre indiqué</p> <ol style="list-style-type: none"> 1. S'assurer que le bouton MIC/GUITAR INPUT est réglé correctement. 2. Pour utiliser un microphone, s'assurer que le bouton est enfoncé (→). 3. Brancher un microphone ou une guitare à la prise MIC/GUITAR INPUT et le mettre en marche. 4. Sélectionner le son de la source (CD, TAPE, TUNER, AUX). 5. Lire le son de la source sélectionnée. 6. Ajuster les commandes MIC/GUITAR LEVEL et VOLUME. 7. Pour enregistrer le son mixé sur une cassette dans la platine, appuyer sur la touche ONE TOUCH REC. <p>Attention: Ne connecter une guitare basse à la prise MIC/GUITAR INPUT, car elle pourrait endommager l'appareil.</p> <p>Remarques: Utiliser le microphone aussi loin que possible de l'appareil. Si le microphone est trop près des haut-parleurs, un hurlement peut se produire.</p> <p>Déconnecter le microphone ou la guitare après utilisation.</p>
<p>CLOCK ADJUSTMENT (USING THE REMOTE CONTROL UNIT)</p> <p>Names of parts in the clock/timer section, and their functions.</p>  <ol style="list-style-type: none"> 1. Timer mode indicator 2. Sleep indicator (ON/OFF) 3. SLEEP indicator 4. PREFERENCE CLOCK 5. Time display 6. Alarm clock 7. TIMER button 8. DOWN/UP buttons 9. BEEP ON/OFF button 10. BEEP SET button 11. SLEEP button 	<p>REGLAGE DE L'HORLOGE (EN UTILISANT LA TELECOMMANDE)</p> <p>Noms des pièces dans la section horloge/timer, et leurs fonctions.</p>  <ol style="list-style-type: none"> 1. Indicateur de mode de minuterie (OFF) 2. Indicateur de sommeil (SLEEP) 3. Indicateur d'horloge (CLOCK) 4. Horloge préférence 5. Affichage de l'heure 6. Bouton TIMER 7. Bouton TIMER ON/OFF 8. Bouton DOWN/UP 9. Bouton BEEP 10. Bouton SET 11. Bouton SLEEP
<p>CLOCK ADJUSTMENT (USING THE REMOTE CONTROL UNIT)</p> <p>Names of parts in the clock/timer section, and their functions.</p>  <ol style="list-style-type: none"> 1. Timer mode indicator 2. Sleep indicator (ON/OFF) 3. SLEEP indicator 4. PREFERENCE CLOCK 5. Time display 6. Alarm clock 7. TIMER button 8. DOWN/UP buttons 9. BEEP ON/OFF button 10. BEEP SET button 11. SLEEP button 	<p>REGLAGE DE L'HORLOGE (EN UTILISANT LA TELECOMMANDE)</p> <p>Noms des pièces dans la section horloge/timer, et leurs fonctions.</p>  <ol style="list-style-type: none"> 1. Indicateur de mode de minuterie (OFF) 2. Indicateur de sommeil (SLEEP) 3. Indicateur d'horloge (CLOCK) 4. Horloge préférence 5. Affichage de l'heure 6. Bouton TIMER 7. Bouton TIMER ON/OFF 8. Bouton DOWN/UP 9. Bouton BEEP 10. Bouton SET 11. Bouton SLEEP

TIMER OPERATIONS (USING THE REMOTE CONTROL UNIT)

Setting the timer

- The current time must be set before the timer can be used.

- Set the POWER button to ON.
- Press the TIMER button.
- Set the start time.
(Example: To set the timer to PM 12:15.)
- Set the stop time.
(Example: To set the timer stop time to PM 1:15.)

OPERACIONES POR TEMPORIZADOR (UTILIZANDO LA UNIDAD DE CONTROL REMOTO)

Ajuste del temporizador

- Antes de utilizar el temporizador es necesario ajustar la hora actual.

- Coloque el botón de POWER en ON.
- Presione el botón TIMER.
- Ajuste el tiempo de inicio
(Ejemplo: Para ajustar el temporizador a las 12:15 PM).
- Ajuste la hora de parada.
(Ejemplo: Para ajustar la hora de parada del temporizador a las 1:15 PM).

Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

FUNCTIONNEMENT DE LA MINUTERIE (EN UTILISANT LA TELECOMMANDE)

Réglage de la minuterie

- L'heure courante doit d'abord être réglée pour pouvoir utiliser la minuterie.

- Régler la touche d'alimentation POWER sur ON.
- Appuyer sur la touche TIMER.
- Régler l'heure de mise en marche.
(Exemple: Pour régler la minuterie sur PM 12:15.)
- Régler l'heure de mise à l'arrêt.
(Exemple: Pour régler la minuterie sur PM 1:15.)

SELECCIONAR EL MODO TIMER

Seleccione el modo TIMER

- El modo de temporizador seleccionado aparece en la indicación.

- Presione la tecla de encendido.
- Presione la tecla de la hora de inicio de la temporización.
- Presione la tecla de la hora de parada de la temporización.
- Presione la tecla de la hora de inicio de la temporización.

Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

Quando la tecla UP es pulsada para seleccionar la modo de minuterie, la modo cambia de TUNER (recepción por minuterie d'une émission), à TUNER (enregistrement par minuterie d'une émission), à CD (lecture par minuterie d'un CD), à TAPE (lecture par minuterie d'une bande), dans cet ordre.

Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

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Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

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Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

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Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

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Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

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Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

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Within 30 sec.
Within 30 seconds

Within 30 sec.
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When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer playback of a tape). In this order

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Within 30 sec.
Within 30 seconds

Within 30 sec.
Within 30 seconds

When the UP button is pressed to select the timer mode, the display will show the timer mode (timer mode is broadcast), to TUNER (timer recording of a broadcast) to CD (timer play of a CD), to TAPE (timer

[illegible]

- **La lecture par minuterie commencera à l'heure de mise en marche de la minuterie et l'alimentation sera coupée à l'heure de mise à l'arrêt de la minuterie.**
- **L'appareil reste dans le même mode de minuterie même après la coupure de l'alimentation. La même fonction de minuterie sera répétée à la même heure le jour suivant.**
- **Quand le mode de minuterie est activé, l'indicateur de minuterie s'allume.**
- **Quand l'alimentation est sur marche, il est possible de régler le son du niveau de volume 0 (zéro) au volume préétabli.**
- **Pour annuler le fonctionnement de la minuterie**
Appuyez sur la touche **TIMER ON/OFF** pour annuler le mode de minuterie (Q).

Remarques:
• **Quand le réglage de volume est réglé sur "VOL." (le niveau de volume est spécial), le volume de la lecture par minuterie est au niveau usuel avant de régler la minuterie. Dans ce cas, le mode d'augmentation en fonction de la minuterie est réglé sur le mode de minuterie.**
• **Pour arrêter pendant la lecture par minuterie, appuyez sur la touche **POWER** pour couper l'alimentation de l'appareil.**

Fonctionnement de la minuterie de sommeil (en utilisant la télécommande)

A. Utiliser quand vous voulez vous endormir tout en écoutant une bande, une émission ou un disque.

- 1 Régler la source voulue et synchroniser (pour des émissions ou lire (CD ou cassette).
- 2 Appuyer sur la touche **SLEEP** pour régler la durée de sommeil.



- Les réglages de durée de sommeil de 30, 60, 90 ou 120 minutes sont possibles. Quand vous relâchez la touche **SLEEP**, la source est affichée 3 à 5 secondes.
- La minuterie de sommeil commencera et l'alimentation sera coupée après la durée spécifiée.
- **Contrôle de la durée de sommeil**
Quand la touche **SLEEP** est pressée, la durée de sommeil restante est affichée. Si elle est pressée à nouveau, une nouvelle durée de sommeil peut être réglée.
- **Pour annuler le fonctionnement de la minuterie de sommeil**
Appuyez sur la touche **POWER** pour couper l'alimentation ou appuyez sur la touche **SLEEP** jusqu'à ce que l'indicateur de minuterie de sommeil disparaisse.

- La reproduction par temporisateur se initialise à la fois de activation du temporisateur et l'alimentation se déconnecte à la fois de désactivation du temporisateur.
- L'unité fonctionne en le même mode de temporisateur une fois que le mode de désactivation de l'alimentation. La même fonction de temporisation se répète à la même heure et la même fonction de minuterie.
- Quand le mode de temporisateur est activé, l'indicateur de minuterie s'allume.
- Quand le mode de temporisateur est activé, il est possible de régler le son du niveau de volume 0 (zéro) au volume préétabli.
- **Pour annuler le fonctionnement de la minuterie**
Appuyez sur la touche **TIMER ON/OFF** pour annuler le mode de minuterie (Q).

Notes:
• Quand se ajuste le volume en "VOL." (le niveau de volume n'est pas spécial), le volume de la lecture par minuterie est au niveau usuel avant de régler la minuterie. Dans ce cas, le mode d'augmentation en fonction de la minuterie est réglé sur le mode de minuterie.- **Pour arrêter pendant la lecture par minuterie, appuyez sur la touche **POWER** pour couper l'alimentation de l'appareil.**

Opération du temporisateur de déconnexion (utilisant la unité de contrôle remote)

- A. Utilisez quand vous voulez vous endormir pendant une émission, une bande, une émission ou un disque.
- 1 Ajuste la source désirée et synchronise (radio, cassette ou lecteur de CD ou autre).
 - 2 Appuyez sur la touche **SLEEP** pour régler la durée de sommeil.

Opération du temporisateur de déconnexion (utilisant la unité de contrôle remote)

- A. Utilisez quand vous voulez vous endormir pendant une émission, une bande, une émission ou un disque.
- 1 Ajuste la source désirée et synchronise (radio, cassette ou lecteur de CD ou autre).
 - 2 Appuyez sur la touche **SLEEP** pour régler la durée de sommeil.



- Les réglages de durée de sommeil de 30, 60, 90 ou 120 minutes sont possibles. Quand vous relâchez la touche **SLEEP**, la source est affichée 3 à 5 secondes.
- La minuterie de sommeil commencera et l'alimentation sera coupée après la durée spécifiée.
- **Contrôle de la durée de sommeil**
Quand la touche **SLEEP** est pressée, la durée de sommeil restante est affichée. Si elle est pressée à nouveau, une nouvelle durée de sommeil peut être réglée.
- **Pour annuler le fonctionnement de la minuterie de sommeil**
Appuyez sur la touche **POWER** pour couper l'alimentation ou appuyez sur la touche **SLEEP** jusqu'à ce que l'indicateur de minuterie de sommeil disparaisse.

- **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 same timer function will repeat at the same time on the following day.
- When the timer mode is activated, the "T" indicator blinks.
- When the timer mode is switched on, it is possible to set the sound from volume level 0 (zero) to the preset volume.
- **To cancel timer operation**
Press the **TIMER ON/OFF** button so that the timer mode indicator (T) goes out.

Notes:
• When the volume setting is set to "VOL." (volume level is not speed), the timer playback volume is at the level used before setting the timer. In this case, the fade-in mode does not function.- To stop during timer playback, press the **POWER** button to switch the unit off.

Sleep timer operations (using the remote control unit)

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



- Sleep time settings at 30, 60, 90 or 120 minutes can be set. When you release the **SLEEP** button, the source is displayed after 3 sec.
- The sleep timer operation will start and the power will be switched off after the specified time.
- **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.
- **To cancel timer operation**
Press the **POWER** button to switch the power off or press the **SLEEP** button until the sleep time indicator disappears.

- **L'enregistrement par minuterie commencera à l'heure de mise en marche de la minuterie et l'alimentation sera coupée à l'heure d'arrêt de la minuterie. (Le mode de minuterie est alors réglé.)**
- **Pour répéter l'enregistrement par minuterie tous les jours**
Appuyez sur la touche **TIMER ON/OFF** pour annuler le mode de minuterie (Q).

Remarques:
• **Quand le réglage de volume est réglé sur "VOL." (le niveau de volume est spécial), le volume de la lecture par minuterie est au niveau usuel avant de régler la minuterie. Dans ce cas, le mode d'augmentation en fonction de la minuterie est réglé sur le mode de minuterie.**
• **Pour arrêter pendant la lecture par minuterie, appuyez sur la touche **POWER** pour couper l'alimentation de l'appareil.**

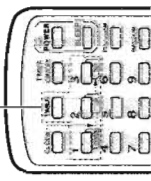
- **Quand le réglage de volume est réglé sur "VOL." (le niveau de volume est spécial), le volume de la lecture par minuterie est au niveau usuel avant de régler la minuterie. Dans ce cas, le mode d'augmentation en fonction de la minuterie est réglé sur le mode de minuterie.**
• **Pour arrêter pendant la lecture par minuterie, appuyez sur la touche **POWER** pour couper l'alimentation de l'appareil.**

Lecture par minuterie

A. Utilisez quand vous voulez vous endormir pendant une émission, une bande, une émission ou un disque.

- 1 Ajuste la source désirée et synchronise (radio, cassette ou lecteur de CD ou autre).
- 2 Appuyez sur la touche **SLEEP** pour régler la durée de sommeil.

Fonctionnement



- 1 Régler la touche **POWER** sur marche.
- 2 Régler la minuterie. (Se référer à "Réglage de la minuterie" à la page 33.)



- 3 Régler la touche **POWER** sur attente.

- **La grabation par temporisateur se initialise à la fois de activation du temporisateur et l'alimentation se déconnecte à la fois de désactivation du temporisateur.**
- **Pour répéter la grabation par temporisateur tous les jours**
Appuyez sur la touche **TIMER ON/OFF** pour annuler le mode de minuterie (Q).

Remarques:
• **Quand le réglage de volume est réglé sur "VOL." (le niveau de volume est spécial), le volume de la lecture par minuterie est au niveau usuel avant de régler la minuterie. Dans ce cas, le mode d'augmentation en fonction de la minuterie est réglé sur le mode de minuterie.**
• **Pour arrêter pendant la lecture par minuterie, appuyez sur la touche **POWER** pour couper l'alimentation de l'appareil.**

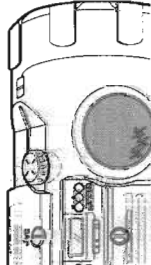
- **Quand le réglage de volume est réglé sur "VOL." (le niveau de volume est spécial), le volume de la lecture par minuterie est au niveau usuel avant de régler la minuterie. Dans ce cas, le mode d'augmentation en fonction de la minuterie est réglé sur le mode de minuterie.**
• **Pour arrêter pendant la lecture par minuterie, appuyez sur la touche **POWER** pour couper l'alimentation de l'appareil.**

Reproduction par temporisateur

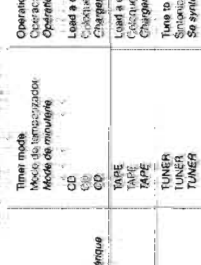
A. Utilisez quand vous voulez vous endormir pendant une émission, une bande, une émission ou un disque.

- 1 Ajuste la source désirée et synchronise (radio, cassette ou lecteur de CD ou autre).
- 2 Appuyez sur la touche **SLEEP** pour régler la durée de sommeil.

Opérations



- 1 Colocque le bouton **POWER** on ON.
- 2 Ajuste le temporisateur. (Référer à "Réglage du temporisateur" à la page 33.)



- 3 Colocque le bouton **POWER** on espère.

- **Timer recording will start at timer start time and the power will be switched off at the timer stop time. (The timer mode is then released.)**
- **To repeat timer recording every day**
Press the **TIMER ON/OFF** button to display the timer mode indicator (REC Q) in the display window.
- **To cancel timer operation**
Press the **TIMER ON/OFF** button so that the timer mode indicator (REC Q) goes out.
- If you do this, timer recording will not start at the timer start time.

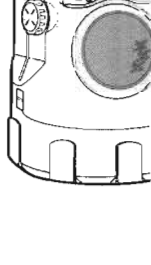
Notes:
• Once the timer has been set, the start and stop times, etc., are stored in memory. When timer recording or playback is required at different times, the timer must be set again.- When the timer is set to start and stop times, check that the timer is timed to the required frequency.
- If memory back-up batteries are exhausted or not installed, and the power cord is disconnected or there is a power failure, timer settings will be erased from memory. If this happens, set the current time and perform the timer setting again.

Timer playback

A. Utilisez quand vous voulez vous endormir pendant une émission, une bande, une émission ou un disque.

- 1 Ajuste la source désirée et synchronise (radio, cassette ou lecteur de CD ou autre).
- 2 Appuyez sur la touche **SLEEP** pour régler la durée de sommeil.

Opérations



- 1 Colocque le bouton **POWER** on ON.
- 2 Ajuste le temporisateur. (Référer à "Réglage du temporisateur" à la page 33.)



- 3 Colocque le bouton **POWER** on espère.

B. To fall asleep while listening to a tape, broadcast or CD and to perform timer playback the following morning

- 1 Set the timer. (Refer to "Setting the timer" on page 33.)
- 2 Set to the required source (broadcast, tape or CD).
- 3 Press the SLEEP button to set the sleep time.



- Any source can be selected for sleep timer operation. For example, CD play for sleep timer operation and broadcast reception for timer playback.
 - Tape playback for sleep timer operation and CD play for timer playback.
- However, when broadcast reception is selected for both sleep timer and timer playback, the station you heard at night will be tuned to the following morning.

MAINTENANCE



Cleaning is important!

When the tape is running, magnetic powder and dust naturally accumulate on the heads, capstan and pinch roller. When they become too dirty...

- Sound quality deteriorates.
- The output sound level drops.
- Previously recorded tape is not completely reproduced.
- Recording is not performed satisfactorily.
- Therefore, you should clean the heads, etc. after every 10 hours of use for optimal recording conditions.

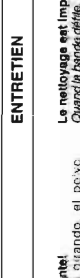
Cleaning the heads, capstan and pinch roller

Clean the cassette holder.

For the heads, pinch roller and capstan, use the cleaning kit available from an audio store.

After cleaning, be sure that the cleaning fluid has dried completely before loading a cassette.

MANTENIMIENTO



La limpieza es importante!

Cuando la cinta está girando, el polvo magnético y la suciedad se acumulan naturalmente en las cabezas, el cabezal y el gallet presor. Cuando éstos se tornan muy sucios...

- La calidad de sonido se deteriora.
- El nivel de salida de sonido se reduce.
- Las cintas grabadas no se reproducen completamente.
- La grabación no se realiza satisfactoriamente.
- Por lo tanto, después de cada 10 horas de uso, usted debe limpiar las cabezas, etc. para obtener condiciones de grabación óptimas.

Limpieza de las cabezas, cabezal y rodillo de presión

Abra el portacasete.

Limpie las cabezas, rodillo de presión y cabezal.

Para una limpieza efectiva, utilice un kit de limpieza disponible en cualquier tienda de audio.

Después de la limpieza, asegúrese de que el líquido para la misma se haya secado completamente antes de colocar un cassette.

B. Para vous endormir en écoutant une bande, une émission ou un CD et pour effectuer la lecture par minuterie le lendemain matin

- 1 Régler la minuterie. (Se référer à "Réglage de la minuterie" à la page 33.)
- 2 Régler la source requise (émission, cassette ou CD).
- 3 Appuyer sur la touche SLEEP pour régler la durée de sommeil.



- N'importe quelle source peut être sélectionnée pour la lecture de sommeil et la lecture par minuterie de sommeil.
 - Lecture CD pour la minuterie de sommeil et réception d'émission pour la lecture par minuterie.
 - Lecture de bande pour la minuterie de sommeil et lecture CD pour la lecture par minuterie.
- Toutefois, quand la réception d'émission est sélectionnée pour la lecture de sommeil et la lecture par minuterie, la station que vous entendrez la nuit sera synchronisée le matin suivant.

ENTRETIEN



Le nettoyage est important!

Quand la bande tourne, de la poudre magnétique et de la saleté s'accumulent naturellement sur les têtes, le cabezal et le gâlet presseur. Quand ils sont trop sales...

- La qualité sonore s'en voit affectée.
- Le niveau de son de sortie baisse.
- Une bande enregistrée ne se reproduit pas complètement.
- La réenregistrement ne peut pas s'effectuer.
- Par conséquent, il faut nettoyer les têtes, etc. après toutes les 10 heures d'utilisation pour obtenir des conditions d'enregistrement optimales.

Nettoyage des têtes, du cabezal et du gâlet presseur

Ouvrir le porte cassette.

Nettoyer les têtes, le gâlet presseur et le cabezal.

Pour une nettoyage efficace, utiliser un kit de nettoyage disponible dans les magasins d'accessoires audio.

Après nettoyage, s'assurer que le liquide de nettoyage a complètement séché avant de charger une cassette.



Cautions:

- Keep magnets and metallic objects away from the head.
- If the head becomes magnetized, noise will increase and the sound will deteriorate. Demagnetize the head every 20-30 hours of use with a head eraser (available from an audio store).
- Do not use anything other than alcohol for cleaning.
- Thinner and benzene will damage the rubber pinch roller.



- Clearing 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 follows:
- Use a blower (available from a camera store) to blow dust off the lens.
- If there are fingerprints, etc. on the lens, gently wipe clean with a cotton swab.



TROUBLESHOOTING



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

- Power cannot be turned on.
- No sound from the speakers.
- Are headphones connected?
- Clock time is blinking in the display.
- Was there a power cord unplugged while the memory back-up batteries were not installed?

(CD Player Section)

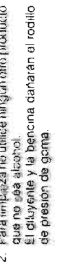
- The CD player does not play.
- Is the CD upside down?
- Is the CD dirty?
- Is there condensation on the lens? (See "Cleaning the lens" above.)
- A certain portion of the CD does not play correctly.
- Is the CD scratched?
- Is there condensation on the lens?
- When the operation stops.
- Switch to power standby and then ON again.

(Cassette Deck Section)

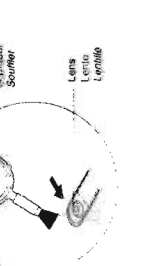
- Playback sound is at a very low level.
- Is the head dirty?
- The ONE TOUCH REC button does not function.
- Have the safety tabs of the cassette been broken off?

Precautions:

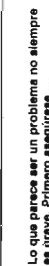
- Manipulate the magnets and the metallic objects of the head.
- If the head becomes magnetized, noise will increase and the sound will deteriorate. Demagnetize the head every 20-30 hours of use with a head eraser (available from an audio store).
- Do not use anything other than alcohol for cleaning.
- Thinner and benzene will damage the rubber pinch roller.



- 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 de la siguiente manera:
- Utilice un soploador (disponible en una tienda de cámaras) para quitar el polvo de la lente.
- Si hay huellas digitales, etc. en la lente, limpie suavemente con un hisopo de algodón.



DETECCION DE PROBLEMAS



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

- No se puede conectar la alimentación.
- No se oye nada de los altavoces.
- ¿Están los audífonos conectados?
- ¿La hora del reloj parpadea en la indicación?
- ¿Estaba el cable de alimentación desconectado y las pilas de apoyo de memoria no estaban cargadas?

(Sección del reproductor de CD)

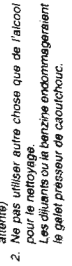
- El reproductor de CD no funciona.
- ¿Está el CD invertido?
- ¿Está el CD sucio?
- ¿Hay condensación en la lente? (Ver "Limpieza de la lente" que aparece arriba.)
- Una porción de un CD no se correctamente reproduce.
- ¿Está el CD rayado?
- ¿Hay condensación en la lente?
- ¿Cuando la operación para.
- Coloque la alimentación en espera y en ON otra vez.

(Sección del plato de cassette)

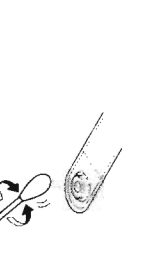
- El nivel de reproducción tiene un nivel muy bajo.
- ¿Está la cabeza sucia?
- No funciona el botón ONE TOUCH REC.
- ¿Se han roto las lengüetas de seguridad del cassette?

Precautions:

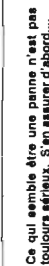
- Keep magnets and metallic objects away from the head.
- If the head becomes magnetized, noise will increase and the sound will deteriorate. Demagnetize the head every 20-30 hours of use with a head eraser (available from an audio store).
- Do not use anything other than alcohol for cleaning.
- Thinner and benzene will damage the rubber pinch roller.



- Nettoyage de la lentille
- Si la lentille du capteur CD est sale, des parties de niveau, etc., peuvent dégrader le son.
- Ouvrir le porte-disque et nettoyer la lentille de la façon suivante:
- Utiliser un soufflet (en vente dans les magasins de photo) pour éliminer la poussière de la lentille.
- Dans le cas d'empreintes digitales, etc., sur la lentille, essuyer doucement avec un coton-tige.



EN CAS DE PANNES



Ce qui semble être une panne n'est pas toujours sérieux. S'en assurer d'abord...

- L'alimentation ne peut pas être fournie.
- Le cordon d'alimentation est-il débranché?
- Pas de son des haut-parleurs.
- Un casque est-il branché?
- L'heure de l'horloge clignote dans l'affichage.
- La hora del reloj parpadea en la indicación.
- ¿Estaba el cable de alimentación desconectado y las pilas de apoyo de memoria no estaban cargadas?

(Sección lector CD)

- Le lecteur CD ne lit pas.
- Le disque est-il sans dessus dessous?
- Le disque est-il sale?
- Y a-t-il de la condensation sur la lentille? (Voir "Nettoyage de la lentille" qui supra.)
- Une portion de chaque n'est pas lue correctement.
- Le disque est-il rayé?
- Y a-t-il de la condensation sur la lentille?
- Quand l'opération s'arrête.
- Couper l'alimentation en attente puis la remettre en marche.

(Section platine à cassette)

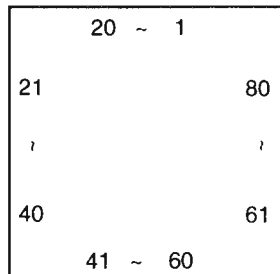
- Le son de lecture est à un niveau très bas.
- La tête est-elle sale?
- La touche ONE TOUCH REC ne fonctionne pas.
- Les languettes de sécurité de la cassette sont-elles brisées?

<<MEMO>>

Discription of Major IC's

■ MN171603NA1(IC901) : System controller

1. Layout



2. Terminal Function

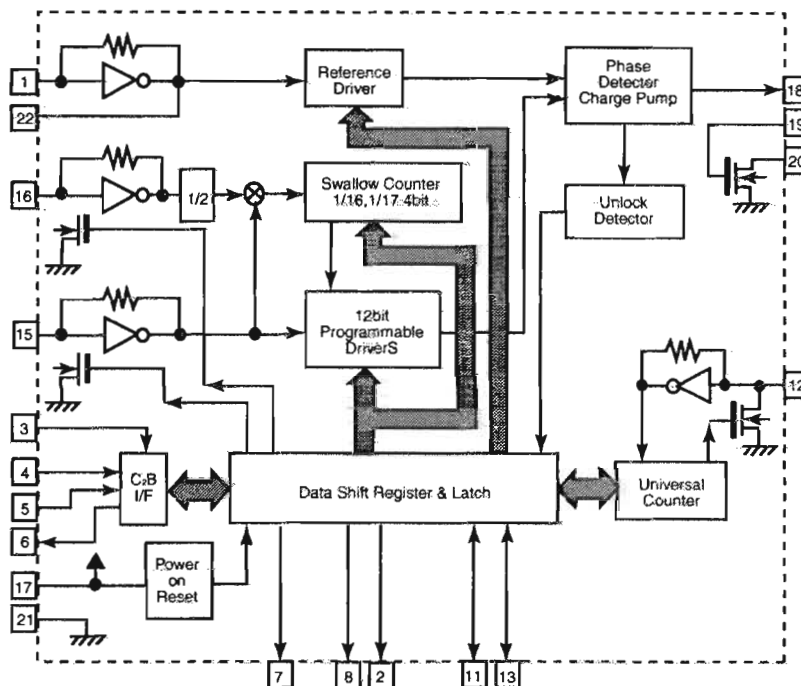
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	VOL1	I	Volume encoder input	43	/TADOOR	I	Version detect
2	VOL2	I	Volume encoder input	44	STTA	O	Output for TAPE control(Strobe signal output)
3	AVSS	-	Connected to GND	45	/WVDL1	O	Super woofer volume output
4	SAFETY1	I	AD0(REG SAFETY)input	46	/WVDL2	O	Super woofer volume output
5	SAFETY2	I	AD1 input	47	/WVDL3	O	Super woofer volume output
6	RESET/DOOR	I	AD2 input	48	SCT	O	
7	KEY	I	AD3(Key) input	49	NC	-	Not use
8	VERSION	I	AD4(VERSION) input	50	POUT	O	System power supply control output
9	KEY1	I	AD5(TAPEO) input	51	/BCTL	O	Analog power supply control output
10	BATT	I	AD6(BATT) input	52	PBMUTE	O	Output for TAPE control(play mute)
11	COEGSAFE	I	AD7(TEMP SAFETY) input	53	/SMUTE	O	System mute output
12	AVdd	-	A/D convertor reference voltage input	54	/FAUX	O	AUX function control
13	VLCD1	-	LCD power supply input	55	FTU	O	Tuner function control
14	VLCD2	-	LCD power supply input	56	FCO	O	CD function control
15	VLCD3	-	LCD power supply input	57	VOL	O	PWM(main volume) output
16	CDM3	O	LCD common output	58	BASS	O	PWM(BASS) output
17	CDM2	O	LCD common output	59	TRE	O	PWM(TREBLE) output
18	CDM1	O	LCD common output	60	PLAY	I	Input for TAPE control(PLAY detect)
19	CDM0	O	LCD common output	61	AC/DC	I	Input for System power supply detect
20	SEG0	O	LCD segment 0 output	62	BUP	I	Input for Backup detect
21	SEG1	O	LCD segment 1 output	63	STAT	I	Input for CD control(status)]
22	SEG2	O	LCD segment 2 output	64	XRST	O	Output for CD control(CD-LSi reset)
23	SEG3	O	LCD segment 3 output	65	MLD	O	Output for CD control(Micon data road)
24	SEG4	O	LCD segment 4 output	66	MCLK	O	Output for CD control(Micon clock)
25	SEG5	O	LCD segment 5 output	67	MDATA	O	Output for CD control(Micon data)
26	SEG6	O	LCD segment 6 output	68	/RESET	I	System reset input/output
27	SEG7	O	LCD segment 7 output	69	X1	-	X'tal Oscillator for timer/sub system clock
28	SEG8	O	LCD segment 8 output	70	X0	-	X'tal Oscillator for timer/sub system clock
29	SEG9	O	LCD segment 9 output	71	Vss	-	Connected to GND
30	SEG10	O	LCD segment 10 output	72	OSC2	-	X'tal/Ceramic Oscillator for system clock
31	SEG11	O	LCD segment 11 output	73	OSC1	-	X'tal/Ceramic Oscillator for system clock
32	SEG12	O	LCD segment 12 output	74	Vdd	-	+Power supply
33	SEG13	O	LCD segment 13 output	75	BEAT	O	Output for beat cut control
34	SEG14	O	LCD segment 14 output	76	SOCK	I	Output for CD control(Clock for sub-Q)
35	SEG15	O	LCD segment 15 output	77	SUBQ	I	Input for CD control(Data for sub-Q)
36	SEG16	O	LCD segment 16 output	78	PERIOD	O	Output for Tuner control(Strobe signal)
37	SEG17	O	LCD segment 17 output	79	/HPX	I	Input for Tuner control(Stereo signal)
38	SEG18	O	LCD segment 18 output	80	SCK	O	Serial clock(sift back)input/output
39	SEG19	O	LCD segment 19 output	81	SI	I	Serial data(sift back B)input
40	WVOL1	I	Super woofer volume encoder input	82	SO	O	Serial data(sift back B)output
41	WVOL2	I	Super woofer volume encoder input	83	/REM	I	Remortcontrol signal input/output
42	REEL	I	Input for TAPE control (TAAPE end detect)	84	/PIN	I	Power key input/output

■ LC72136N(IC3):PLL Frequency synthesizer LS1

1. Layout

XT	1	22	XT
FM/AM	2	21	GND
CE	3	20	LPFOUT
DI	4	19	LPFIN
CLOCK	5	18	PD
DO	6	17	VCC
FM/ST/VCO	7	16	FMIN
AM/FM	8	15	AMIN
	9	14	
	10	13	IFCONT
SDIN	11	12	IFIN

2. Block

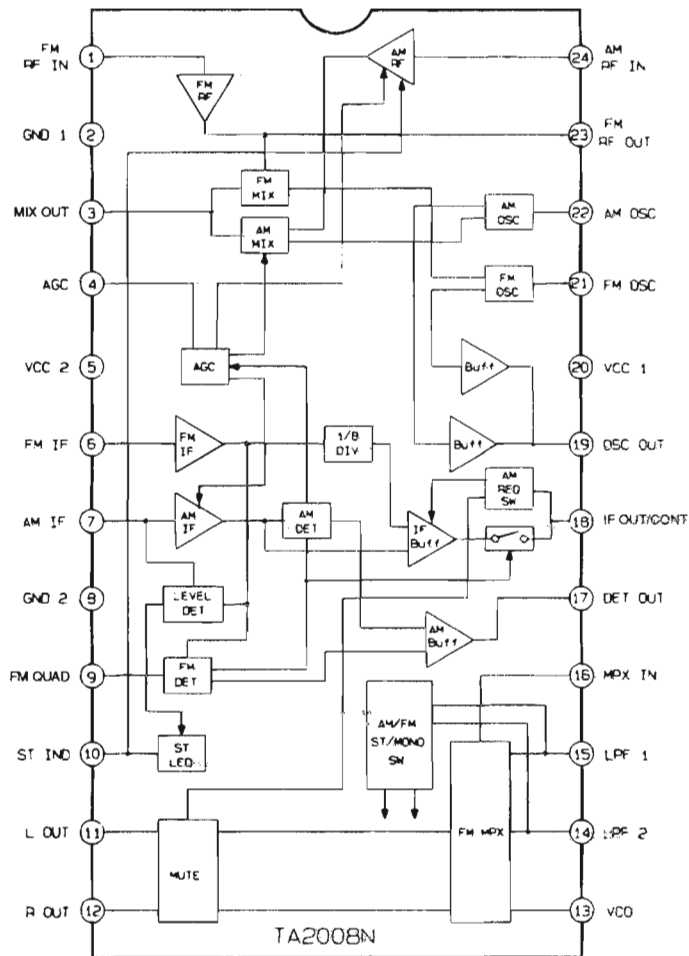


3. Function

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XT	I	X'tal oscillator connect (75KHz)	12	IFIN	I	IF counter signal input
2	FM/AM	O	LOW:FM mode	13	IFCONT	O	IF signal output
3	CE	I	When data output/input for 4pin(input) and 6pin(output): H	14		-	Not use
4	DI	I	Input for receive the serial data from controller	15	AMIN	I	AM Local OSC signal output
5	CLOCK	I	Sync signal input use	16	FMIN	I	FM Local OSC signal input
6	DO	O	Data output for Controller Output port	17	VCC	-	Power supply(VDD=4.5~5.5V) When power ON:Reset circuit move
7	FM/ST/VCO	O	"Low": MW mode	18	PD	O	PLL charge pump output(H: Local OSC frequency Height than Reference frequency. L: Low Agreement: Height impedance)
8	AM/FM	O	Not use	19	LPFIN	I	Input for active lowpassfilter of PLL
9		-	Not use	20	LPFOUT	O	Output for active lowpassfilter of PLL
10		-	Input/output port	21	GND	-	Connected to GND
11	SDIN	I/O	Data input/output	22	XT	I	X'tal oscillator(75KHz)

■TA2008AN(IC2):FM/AM IF AMP & Detector

1. Terminal Layout



2.Terminal Function

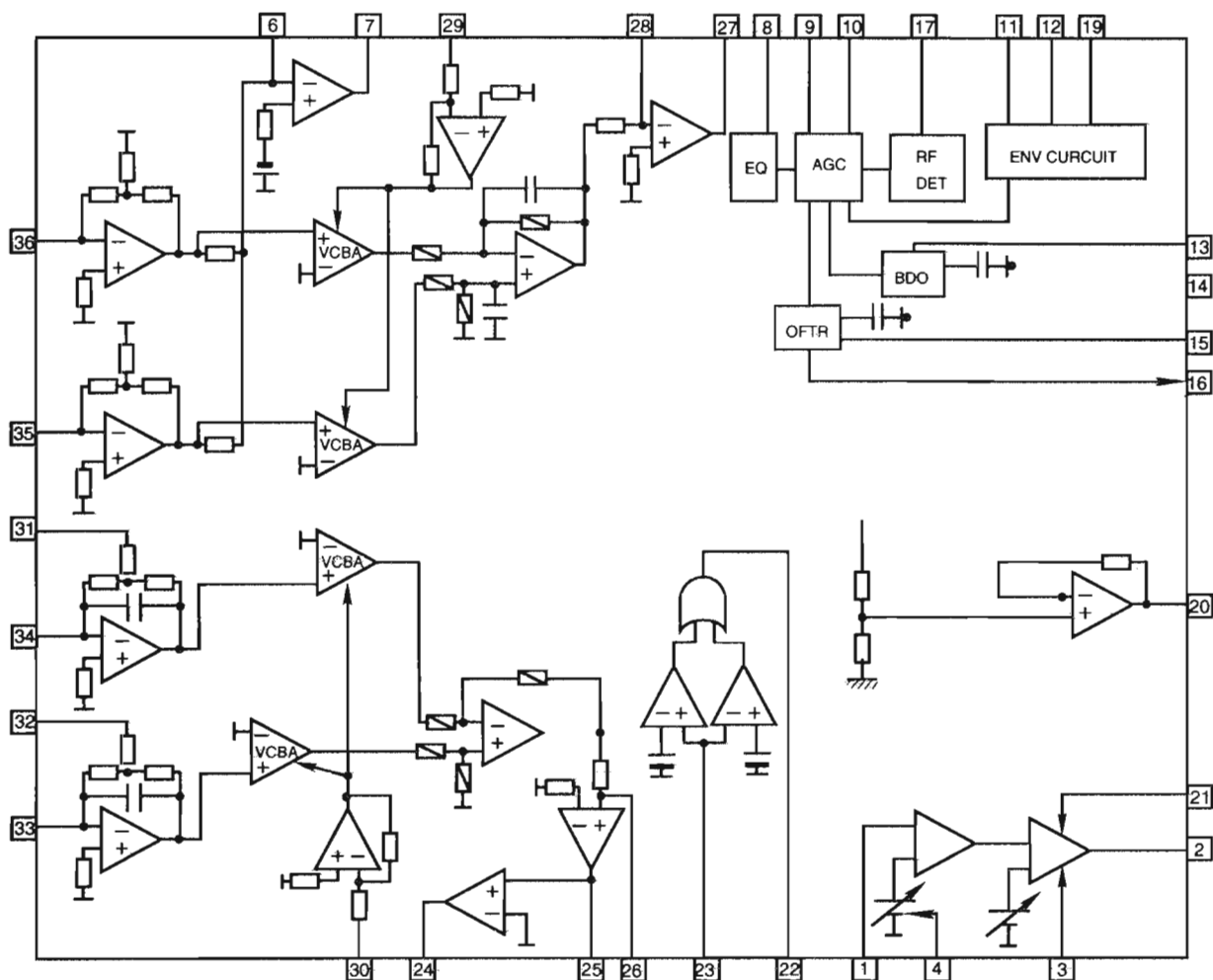
Pin No.	I/O	Symbol	Functions and operations	Pin No.	I/O	Symbol	Functions and operations
1	I	AM RF IN	AM RF signal input	13	–	VCO	VCO input
2	–	GND1	Ground	14	0	LPF2	MONO: "H" STEREO: "L"
3	0	MIX OUT	AM/FM RF MIX OUT	15	0	LPF1	AM: "H" FM: "L"
4	–	AGC	AGC input pin	16	I	MPX IN	Multi plex signal input
5	–	VCC	Power supply	17	0	DET OUT	Detector output
6	I	FM IF IN	FM IF signal input	18	I/O	IF OUT	IF output/IF CONT onput
7	I	AM IF IN	AN IF signal input	19	0	OSC OUT	AM/FM OSC output (To IC3)
8	–	GND2	Ground	20	–	VCC1	Power supply
9	0	FM QUAD	FM QUAD input	21	–	FM OSC	FM OSC input
10	0	ST IND	Stereo indicator output "H"mono "L"stereo	22	–	AM OSC	AM OSC input
				23	0	FM RF OUT	FM RF signal output
11	0	L-CH OUT	Lch output	24	0	AM RF OUT	AM RF signal output
12	0	R-CH OUT	Rch output				

■ AN8806SB(IC601):RF&Servo AMP

1.Terminal Layout

PD	1	36	PDAC
LD	2	35	PDBD
LDON	3	34	PDF
LDP	4	33	PDE
VCC	5	32	PDER
RF-	6	31	PDFR
RF OUT	7	30	TBAL
RF IN	8	29	FBAL
C.AGC	9	28	EF-
ARF	10	27	EF OUT
C.ENV	11	26	TE-
C.EA	12	25	TE OUT
CS BDO	13	24	CROSS
BDO	14	23	TE BPF
CS BRT	15	22	VDET
OFTR	16	21	LD OFF
/NRFDDET	17	20	VREF
GND	18	19	ENV

2.Block Diagram

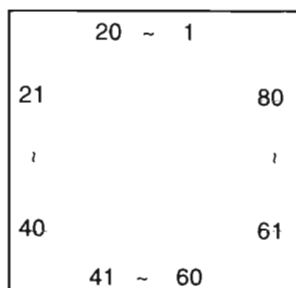


3. Functions

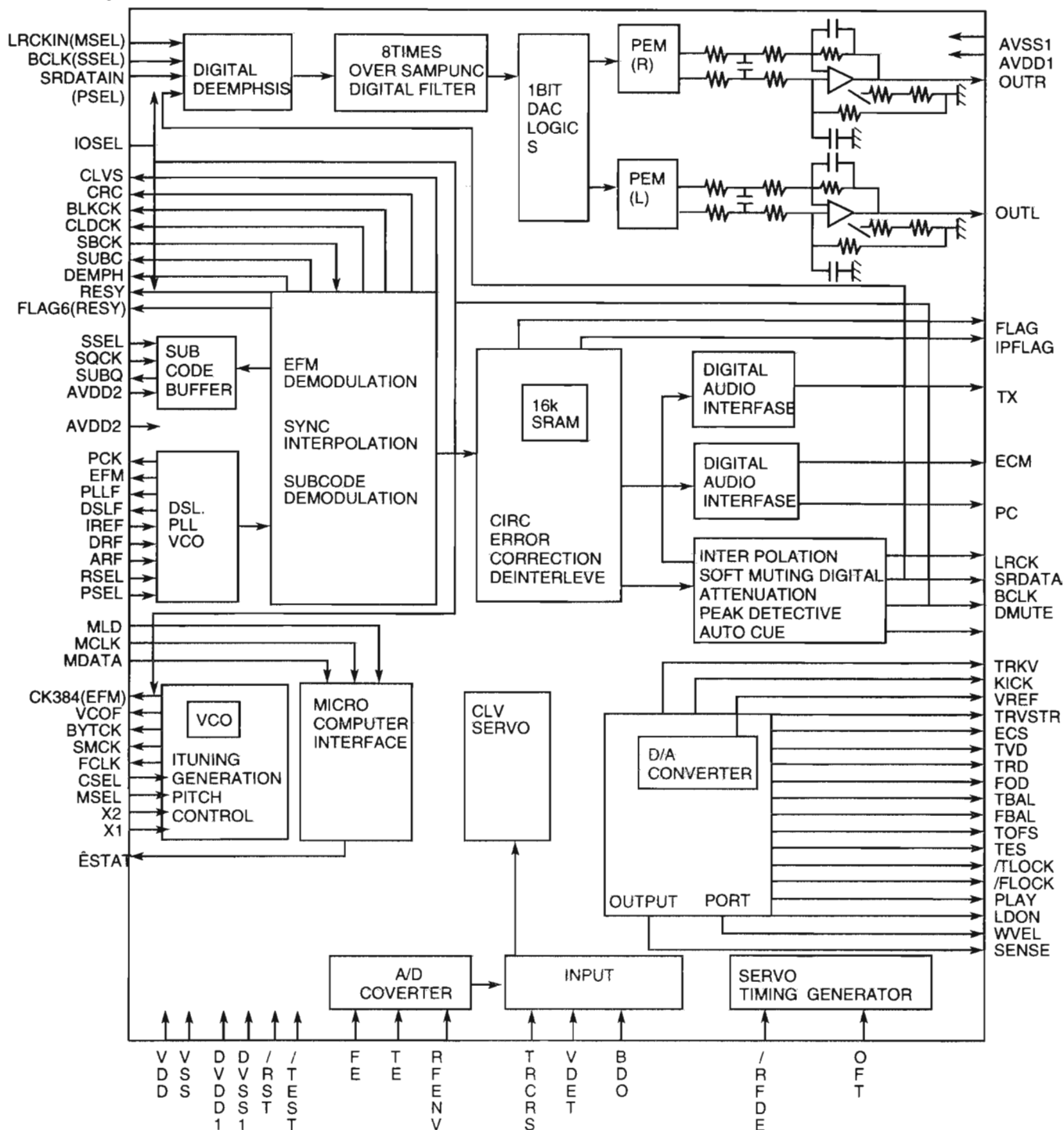
Pin No.	Symbol	I/O	Functions and operations
1	PD	I	APC amp input terminal
2	LD	O	APC amp output terminal
3	LD ON	I	APC ON/OFF control terminal
4	LDP	--	Connect to ground
5	VCC	--	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RFamp output
8	RF IN	I	RF input
9	C.AGC	I/O	Connecting pin of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

■ MN35510(IC603):DIGITAL SERVO&DIGITAL SIGNAL PROCESSER

1. Terminal Layout



2. Block Diagram



3. Description

Pin No.	symbol	I/O	Description	Pin No.	symbol	I/O	Description
1	BCLK	O	Not used	41	TES	O	Tracking error shunt signal output(H:shunt)
2	LRCK	O	Not used	42	PLAY	—	Not used
3	SRDATA	O	Not used	43	WVEL	—	Not used
4	DVDD1	—	Power supply (Digital)	44	ARF	I	RF signal input
5	DVSS1	—	Connected to GND	45	IREF	I	Reference current input pin
6	TX	O	Digital audio interface output	46	DRF	I	Bias pin for DSL
7	MCLK	I	μ com command clock signal input (Data is latched at signal's rising point)	47	DSLIF	I/O	Loop filter pin for DSL
8	MDATA	I	μ com command data input	48	PLLIF	I/O	Loop filter pin for PLL
9	MLD	I	μ com command load signal input	49	VCOF	—	Not used
10	SENSE	O	Sence signal output	50	AVDD2	—	Power supply(Analog)
11	FLOCK	O	Focus lock signal output Active :Low	51	AVSS2	—	Connected to GND(Analog)
12	TLOCK	O	Tracking lock signal output Active :Low	52	EFM	—	Not used
13	BLKCK	O	sub-code block clock signal output	53	PCK	—	Not used
14	SQCK	I	Outside clock for sub-code Q resister input	54	PDO	—	Not used
15	SUBQ	O	Sub-code Q -code output	55	SUBC	—	Not used
16	DMUTE	—	Connected to GND	56	SBCK	—	Not used
17	STATUS	O	Status signal (CRC,CUE,CLVS,TTSTOP,ECLV,SQOK)	57	VSS	—	Connected to GND(for X'tal oscillation circuit)
18	RST	I	Reset signal input (L:Reset)	58	X1	I	Input of 16.9344MHz X'tal oscillation circuit
19	SMCK	—	Not used	59	X2	O	Output of X'tal oscillation circuit
20	PMCK	—	Not used	60	VDD	—	Power supply(for X'tal cscillation circuit)
21	TRV	O	Traverse enforced output	61	BYTCK	—	Not used
22	TVD	O	Traverse drive output	62	CLDCK	—	Not used
23	PC	—	Not used	63	FLAG	—	Not used
24	ECM	O	Spindle motor drive signal (Enforced mode output) 3-State	64	IPPLAG	—	Not used
25	ECS	O	Spindle motor drive signal (Servo error signal output)	65	FLAG	—	Not used
26	KICK	O	Kick pulse output	66	CLVS	—	Not used
27	TRD	O	Tracking drive output	67	CRC	—	Not used
28	FOD	O	Focus drive output	68	DEMPH	—	Not used
29	VREF	I	Reference voltage input pin for D/A output block (TVD,FOD,FBA,TBAL)	69	RESY	—	Not used
30	FBAL	O	Focus Balance adjust signal output	70	IOSEL	—	pull up
31	TBAL	O	Tracking Balance adjust signal output	71	TEST	—	pull up
32	FE	I	Focus error signal input(Analog input)	72	AVDD1	—	Power supply(Digital)
33	TE	I	Tracking error signal input(Analog input)	73	OUT L	O	Lch audio output
34	RF ENV	I	RF envelope signal input(Analog input)	74	AVSS1	—	Connected to GND
35	VDET	I	Vibration detect signal input(H:detect)	75	OUT R	O	Rch audio output
36	OFT	I	Off track signal input(H:off track)	76	RSEL	—	pull up
37	TRCRS	I	Track cross signal input	77	CSEL	—	Connected to GND
38	RFDET	I	RF detect signal input(L:detect)	78	PSEL	—	Connected to GND
39	BDO	I	BDO input pin(L:detect)	79	MSEL	—	Connected to GND
40	LDON	O	Laser ON signal output(H:on)	80	SSEL	—	Pull up

Disassembly Method

■ Side panel (both side) removal (See Fig.1)

1. Remove the 6 screws A holding the side panel.

■ Front panel removal (See Fig.2, 3)

1. Remove the side panel of both side.
2. Remove the 2 screws B holding the Woofer speaker of both side. (See Fig.2)
3. Remove the 10 screws C holding the rear side panel.
(up side 4 screws, center 2 screws, down side 4 screws)
(See Fig 3)

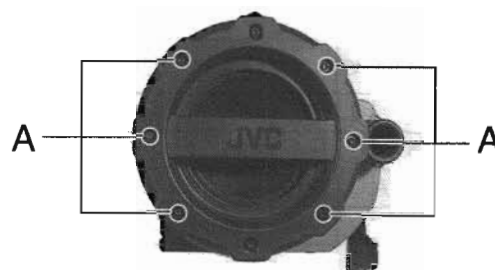
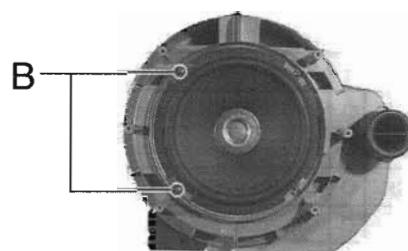


Fig.1



Front side ←

Fig.2

■ Cassette mechanism removal (See Fig.4)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the 4 screws D of rear side holding the cassette mechanism ass'y. (See Fig.4)
4. Disconnect the flat wire from the display and control P.C.Boards.
5. Remove the cassette mechanism ass'y.

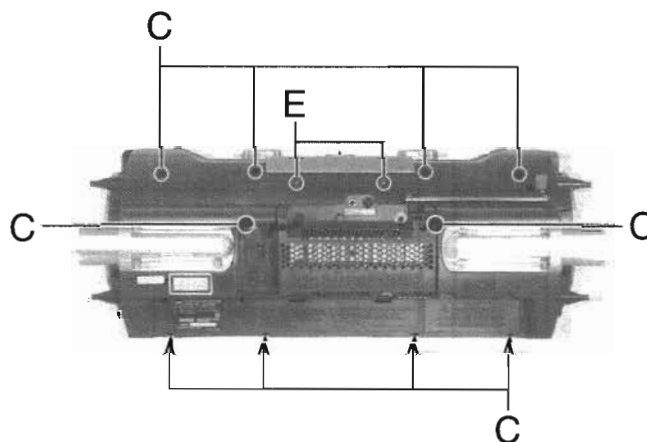


Fig.3

■ CD mechanism ass'y removal (See Fig.3, 4)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the cassette mechanism ass'y.
4. Remove the 2 screws E of rear side holding the CD mechanism ass'y (See Fig.3)
5. Disconnect the CN403, CN407 and CN408.
6. Remove the CD mechanism ass'y.

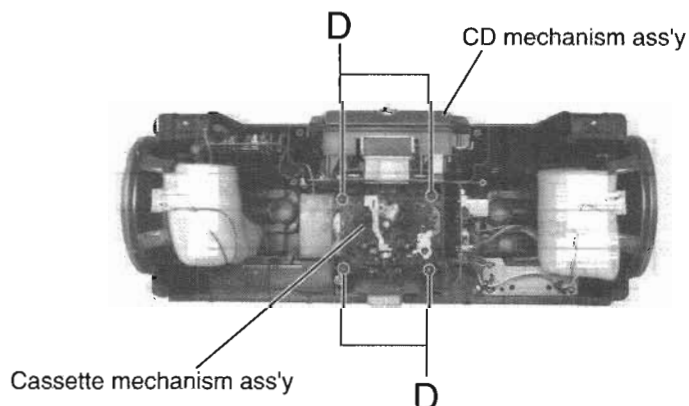


Fig.4

■ Equalizer amp P.C.B removal (See Fig.5)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the cassette mechanism ass'y.
4. Remove the CN407 and CN408 from the CD mechanism ass'y
5. Remove the 4 screws F holding the equalizer amp P.C.B. (See Fig.5)
6. Draws out the equalizer amp P.C.B.

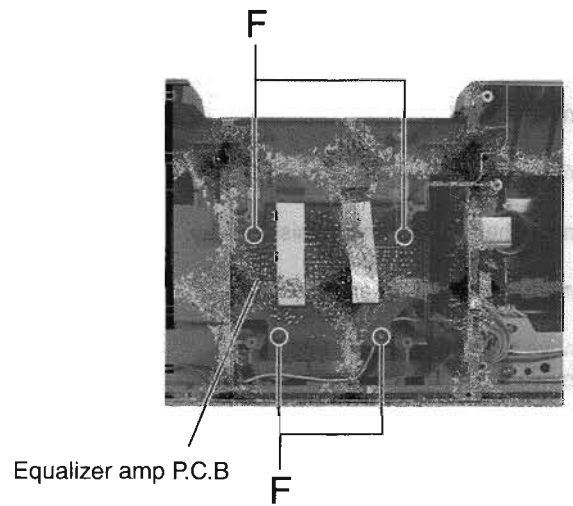


Fig.5

■ Power supply P.C.B removal (See Fig.6)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the cassette mechanism ass'y.
4. Remove the CN191, CN193 and CN194, CN195 from the power supply P.C.B.
5. Remove the 2 screws G holding the AC plug in the socket.

■ Power transformer removal (See Fig.6)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the CN194 and CN195 from the power supply P.C.B.
4. Remove the speaker's terminal from the speaker.
5. Remove the 2 screws H holding the transformer bracket.

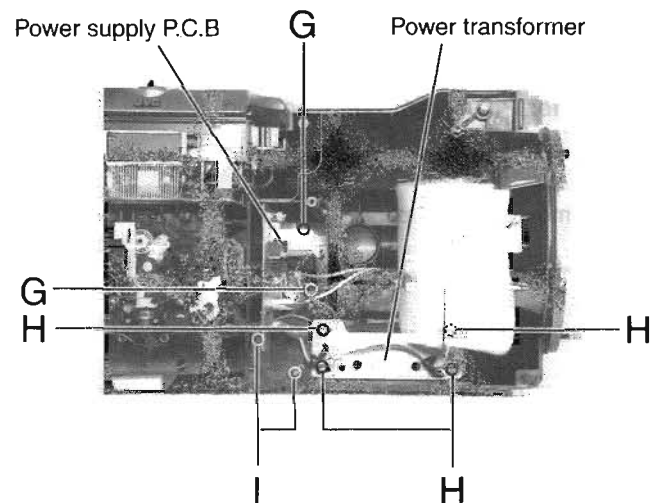


Fig.6

■ Power amp P.C.B removal

(See Fig.6 and Fig.7, 8)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the cassette mechanism assy.
4. Remove the equraizer amp P.C.B.
5. Remove the power supply P.C.B.
(Remove the speakers terminal both side.)
6. Remove the power transformer .
7. Remove the 2 screws I holding the holder, and remove it.
8. Remove 4 screws J holding the heat sink cover.
9. Remove the 4 screws K holding the heat sink from the rear side.
10. Remove the power amp P.C.B with the heat sink.

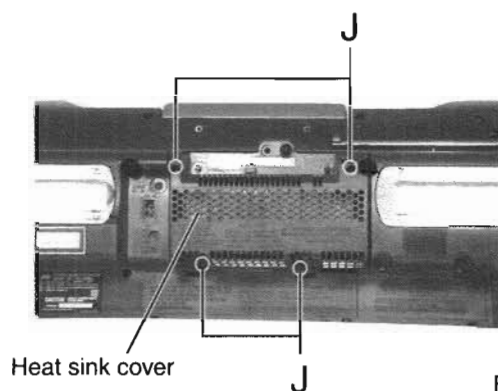


Fig.7

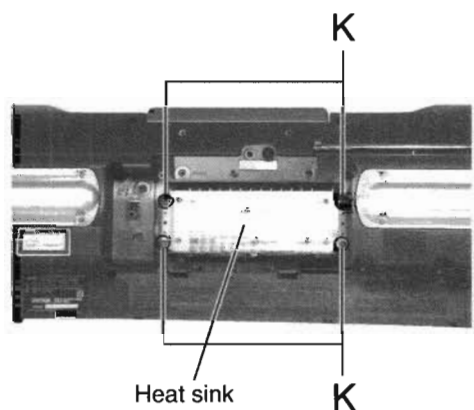


Fig.8

■ Tuner P.C.B removal (See Fig.9)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the antenna wire.
4. Remove the screw L.
5. Draws out the Tuner circuit board ,and disconnect the CN1.
6. Remove the Tuner circuit board.

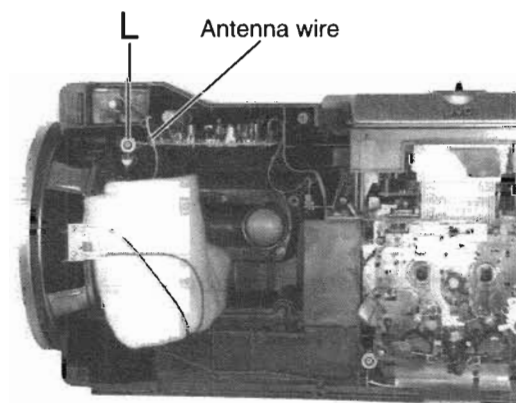


Fig.9

■ Display/Control P.C.B removal (See Fig.10)

1. Remove the side panel of both side.
2. Remove the Front side panel.
3. Remove the CD mechanism assembly.
4. Remove the 4 screws M holding the Display/Control circuit board.
5. Disconnect the CN603, CN604, CN607, CN751 and Remove the Display/Control P.C.B.

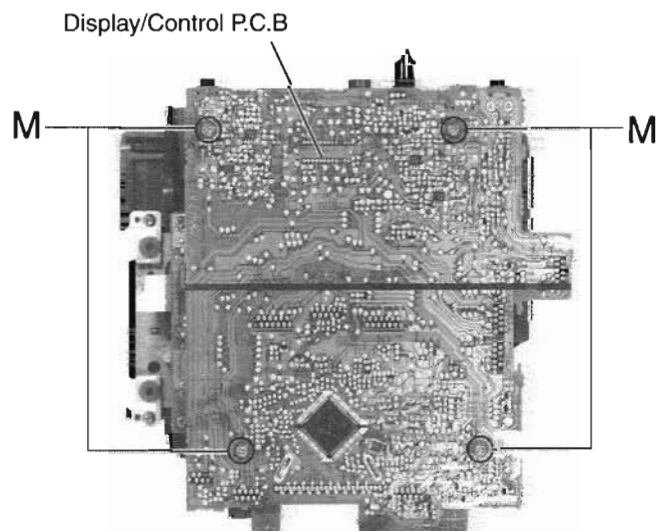


Fig.10

■ CD Servo P.C.B removal (See Fig.11)

1. Remove the side panel of both side.
2. Remove the Front side panel.
3. Remove the CD mechanism assembly.
4. Remove the the Display/Control P.C.B.
5. Remove the 4 screws N holding the CD servo P.C.B.
6. Disconnect the CN601 and P01 of Traverse mechanism wire, and Remove the CD servo P.C.B.

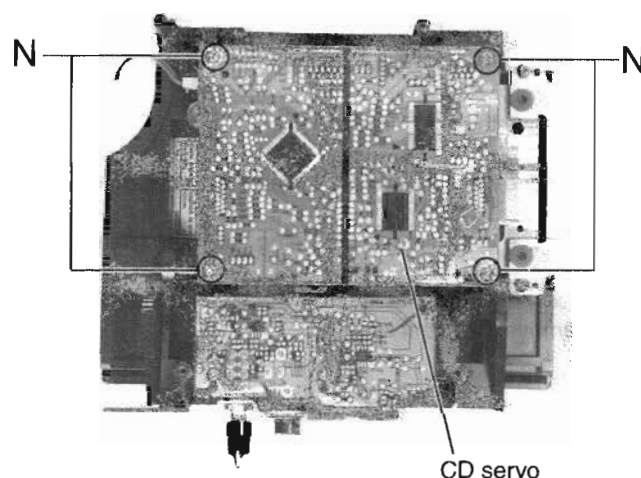


Fig.11

■ CD Traverse mechanism removal (See Fig.12)

1. Remove the side panel of both side.
2. Remove the Front side panel.
3. Remove the CD mechanism assembly.
4. Remove the Display/Control/CD servo P.C.B.
5. Remove the 4 screws O holding the traverse mechanism, and Remove it.

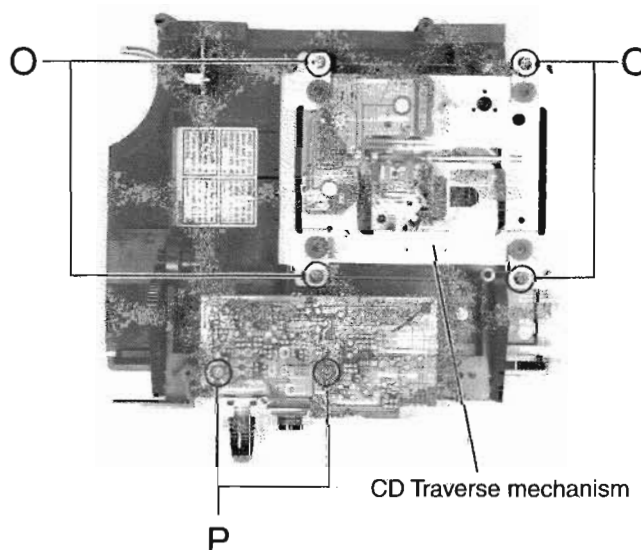


Fig.12

■ Guittar and Mic.jack P.C.B.removal (See Fig.13)

1. Remove the side panel of both side.
2. Remove the front panel.
3. Remove the cassette mechanism assembly.
4. Remove the CD mechanism assembly.
5. Remove the Display & Control P.C.B..
6. Remove the two screws P retaining the Guittar and Mic.jack P.C.B..
7. Pull out the volume knob and remove with the washer and nut.
8. Remove underforward the pressure plate of input jack section.
9. Remove the screw Q retaining the P.C.B. bracket . and take out the Guittar and Mic.jack P.C.B..

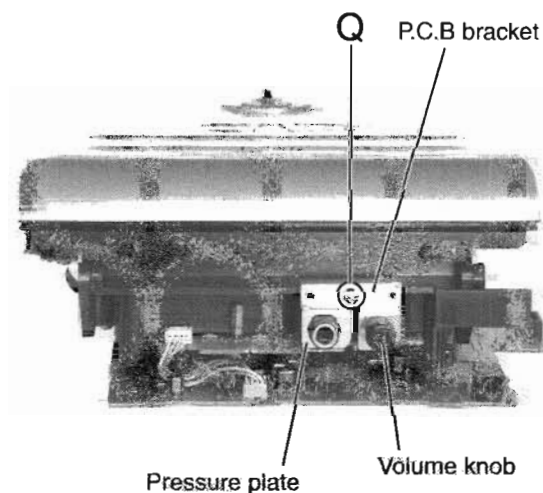


Fig.13

■ Front Speaker removal (See Fig.14, 15)

1. Remove the side panel of both side.
2. Remove the front side panel.
3. Remove the 4 screws R holding the Speakers cover.
4. Remove the 4 screws S holding the Front speaker.
5. Disconnect the Fasten from speakers terminal, and Remove the Front speaker.

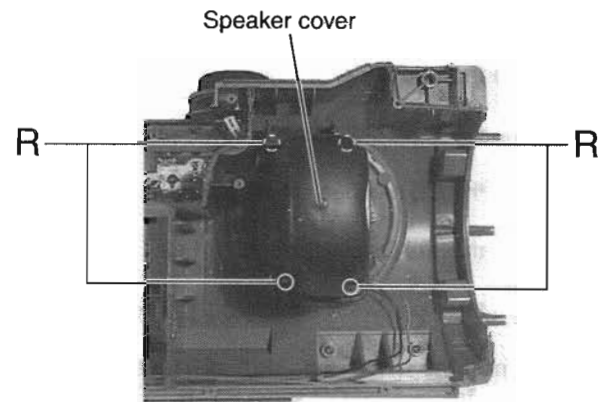


Fig.14

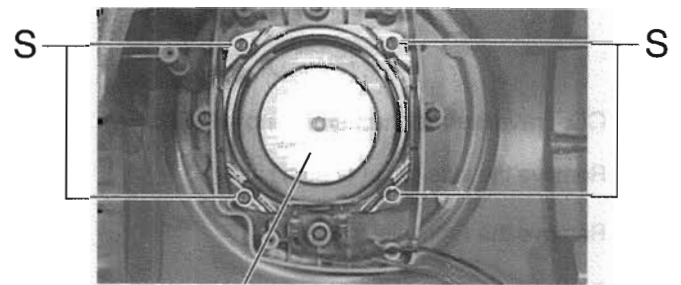


Fig.15

■ Sub woofer removal (See Fig.16)

1. Remove the side panel of both side.
2. Remove the 4 screws T holding the side speaker.
3. Disconnect the Fasten from the speakers terminal, and Remove the Sub woofer speaker.

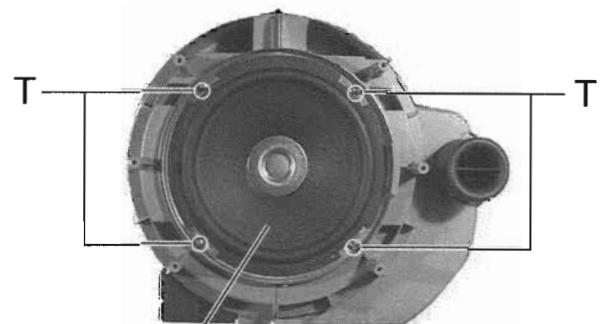


Fig.16

■ Key panel ass'y removal (See Fig.17, 18)

1. Remove the side panel of both side.
2. Pull out the Volume knob, and Remove the Nut.
3. Remove the 8 screws U holding the Key P.C.board, and Remove the 2 screws V holding the Key panel.
4. Remove the 5 Fook holding the key panel (2 Fook is down side of P.C.board), and Remove the Key panel ass'y.

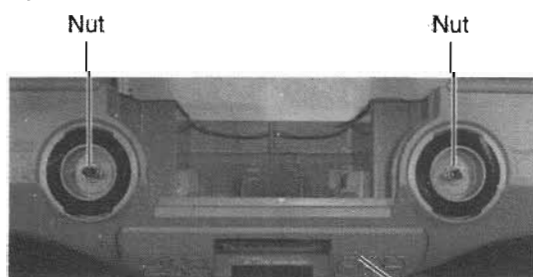


Fig.17

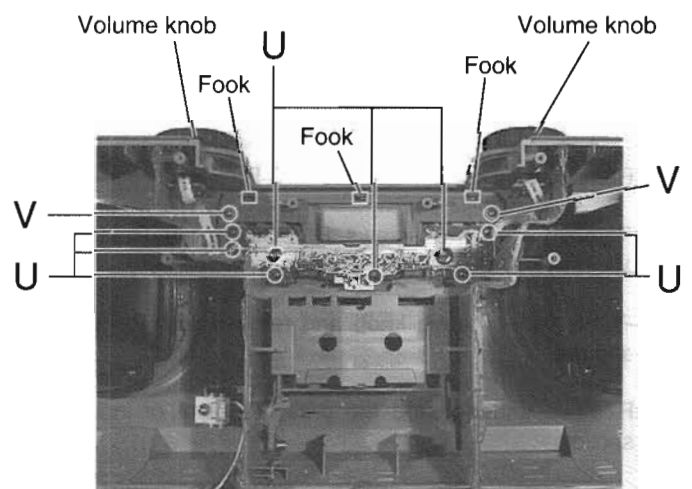
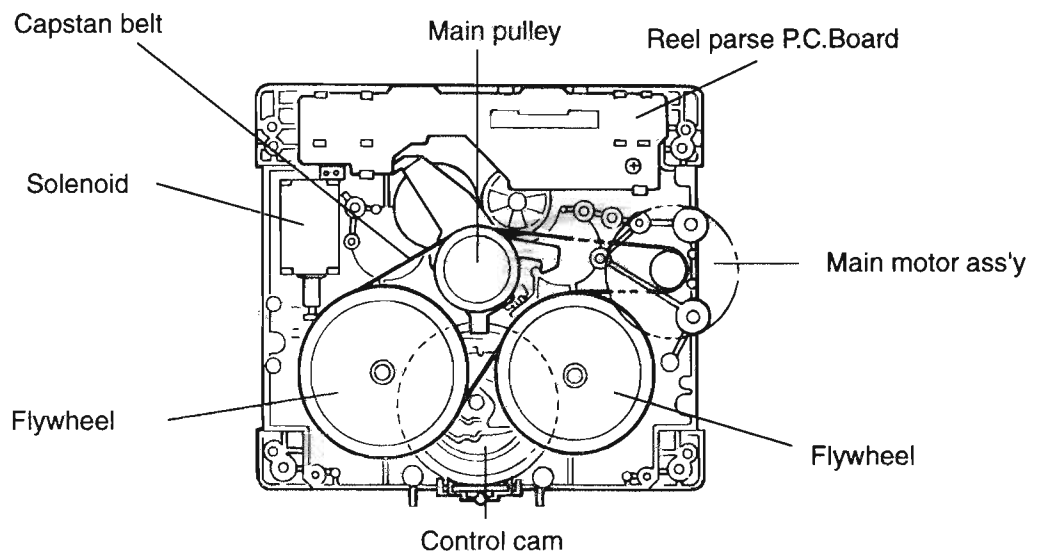
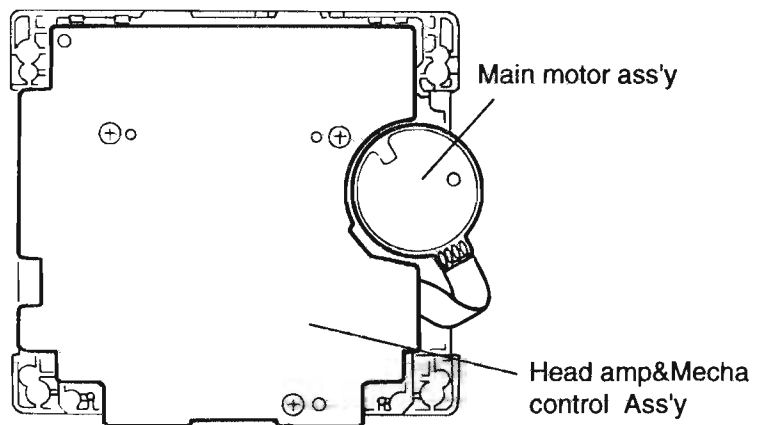
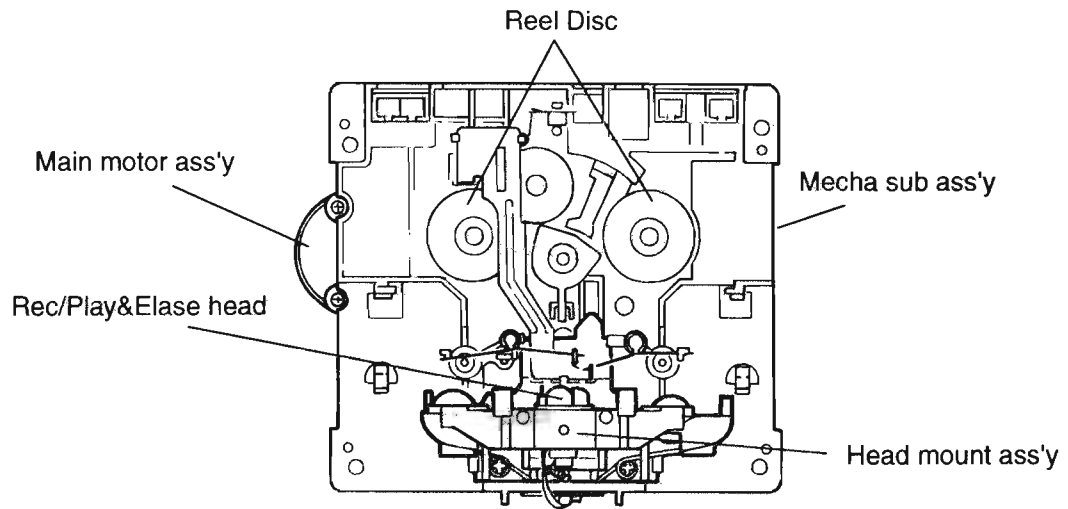


Fig.18

[Cassette mechanism section]



■ Headamp & Control P.C.Boards Removal (See Fig.4)

- 1.Remove the cassette mechanism Ass'y.
- 2.After turning over the cassette mechanism assembly, remove the 3 screws (A) retaining the head amp. & mechanism control P.C.Board.
- 3.Disconnect the CN32 on the P.C. Board and the connector CN1 on the reel P.C.Board. and Remove the Head amp & Control P.C.Boards.
- 4.When necessary remove the 4 pin parallel wire soldered to the main motor.

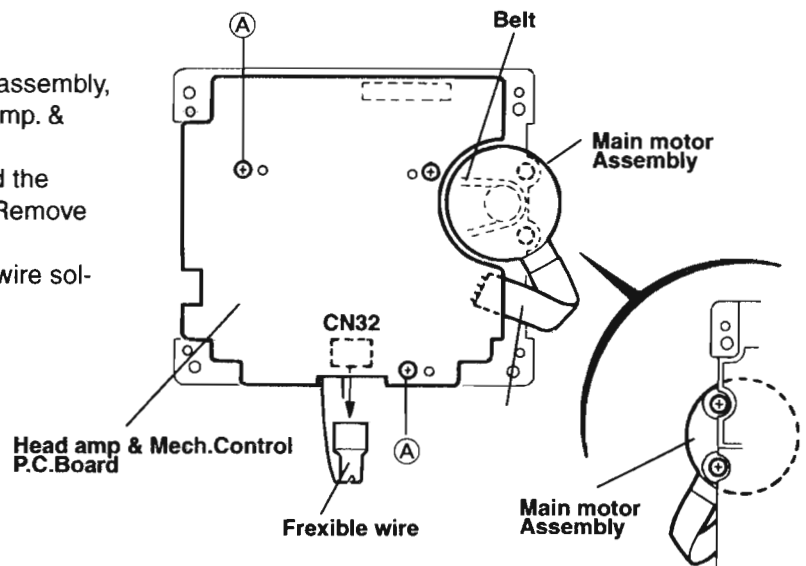


Fig.4

■ Main motor Removal (See Fig.4.Fig.5Fig6.Fig.7)

- 1.Remove the 2 screws (B) retaining the main motor assembly.(See Fig.4.Fig.5)
- 2.While raising the main motor,remove the main motor belt from the motor pulley.(See Fig.5)

Caution: Be sure to handle the capstan belt so carefully that this belt will not be stained by grease and other foreign matter. Moreover, these belts should be hanged while referring to the capstan belt hanging method in Fig.6.Fig.7.

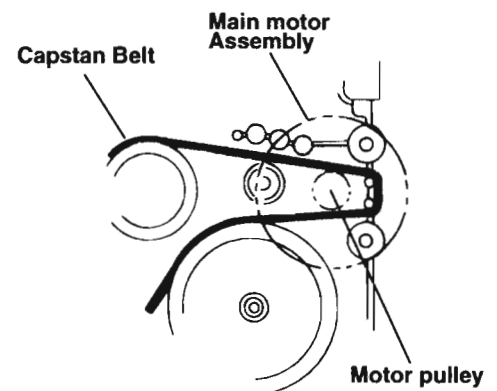


Fig.5

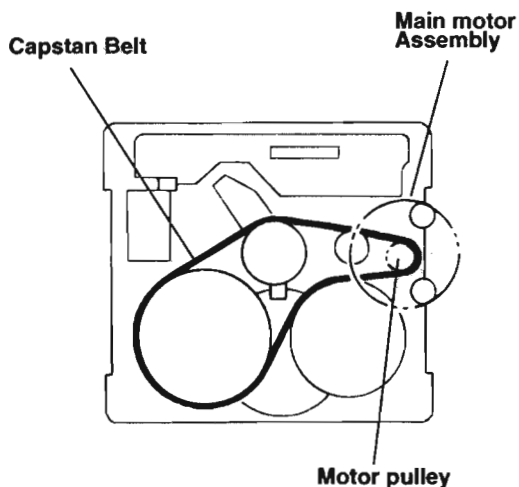


Fig.6

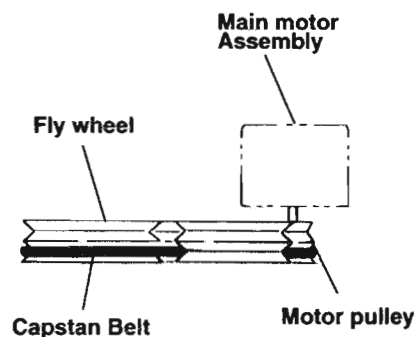


Fig.7

■ Flywheel Removal (See Fig.8)

- 1.Remove the the head amp. & mechanism control P.C.Board.
- 2.Remove the capstan motor Assembly.
- 3.After turning over the cassette mechanism,remove the slit washers (a) and (b) fixing the capstan shafts R and L,and pull out the flywheels R and L repectively from behind the cassette mechanism.

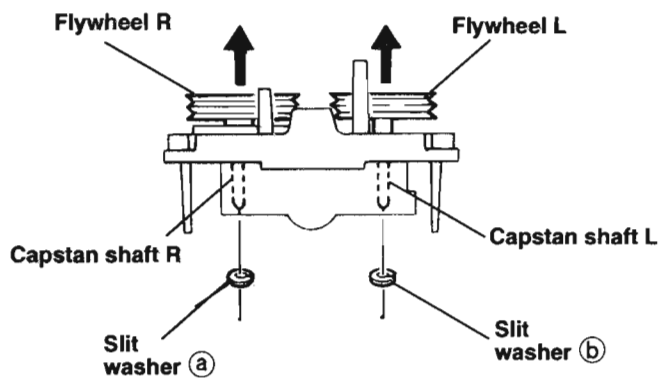


Fig.8

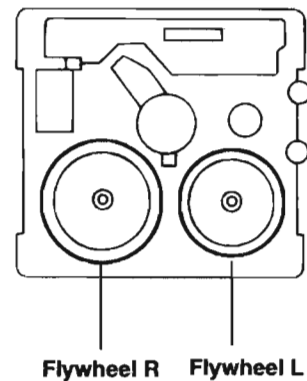


Fig.9

■ Reel Pulse and Solenoid P.C.Board Removal (See Fig.10)

- 1.Remove the 5 Pawls (c ,d ,e ,f and g)ewtain- ing the reel pulse P.C.board.
- 2.From the surface of the reel pulse P.C. board parts, remove the 2 pawls (h) and (i) retaining the solenoid.

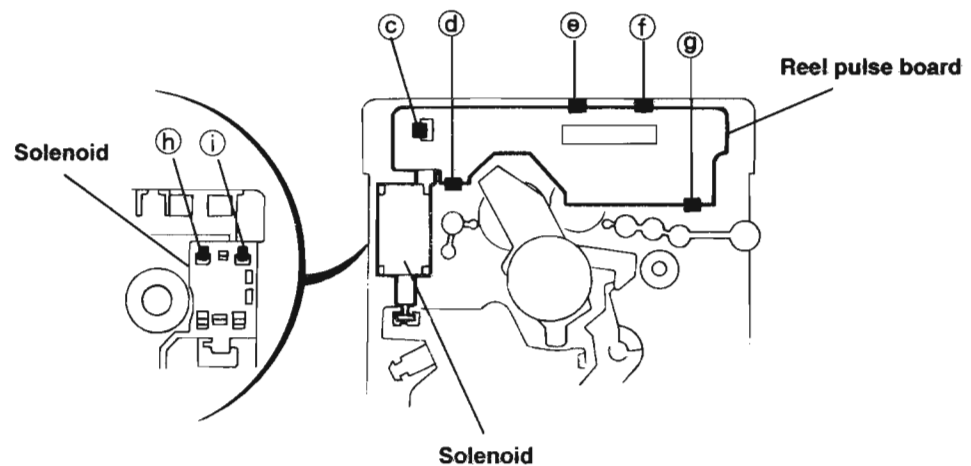


Fig.10

■ Reassembling the Playback,Recording and Eraser Heads(See Fig.13, Fig14)

1.Reassemble the eadmount

1)To become direction of the left side, Direction lever of the head mount assembly is maintained by the hand.

2)Reassemble the playback head from the front of the head mount to the position as shown Fig.13, Fig14, and Fig.15.(J', K', L' and M', N' are set to the hole of K and L and ditches of J, M and N and thru sting out the head mount assembly is built in.

2.Fix the reversing szimuth screw.

3.Set the spring from behind the playback head.

4.Attach the flexible P.C. board to the chassis base, and fix it with the FPC holder as shown in Fig.15.

5.The recording and eraser heads should also be reassembled similarly according to Steps1~ 4 above.

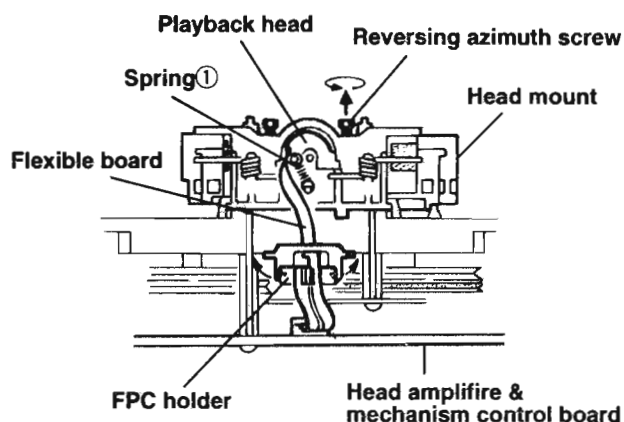


Fig.15

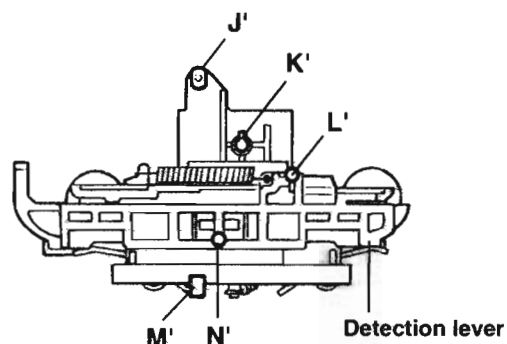


Fig.13 Head mount Assembly

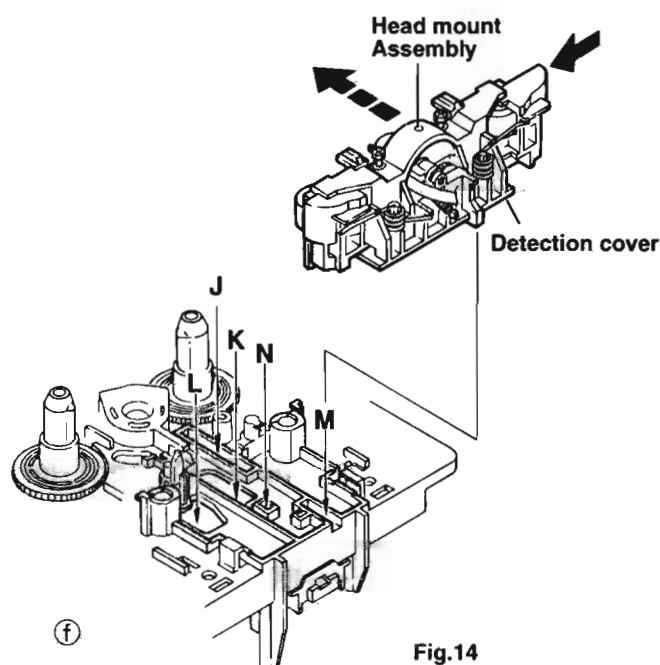


Fig.14

■ Reassembling the Control Cam (See Fig.16, Fig17, Fig.18)

The head assembly is adjusted in the direction of the left side (direction of the forward), and It inserts according to the part of hole "O" of the control cam and "O'" of the mechanism sab assembly.

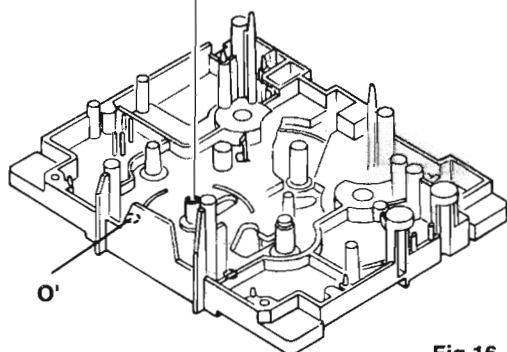


Fig.16

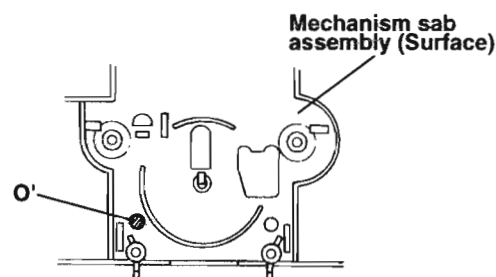


Fig.17

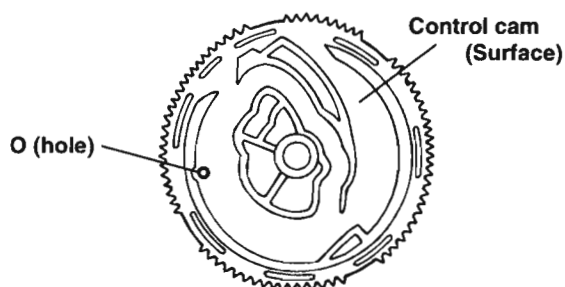


Fig.18

■ Playback, Recording and Eraser Heads Removal (See Fig.11)

1. While shifting the trigger arms seen on the right side of the head mount in the arrow direction, turn the flywheel R in counterclockwise direction until the head mount has gone out with a click (See Fig.11)
2. When the flywheel R is rotated in counterclockwise direction from the position in Fig.12 to that in Fig.13.
3. At this position, disconnect the flexible P.C. board (outgoing from the playback head) from the connector CN 301 on the head amp. & mechanism control P.C. board.
4. After dismantling the FPC holder, remove the flexible P.C. board.
5. Remove the flexible P.C. board from the chassis base.
6. Remove the spring ① from behind the playback head.
7. Loosen the reversing azimuth screw retaining the playback head.
8. Take out the playback head from the front of the head mount.
9. The recording and eraser heads should also be removed similarly according to Steps 1~8.

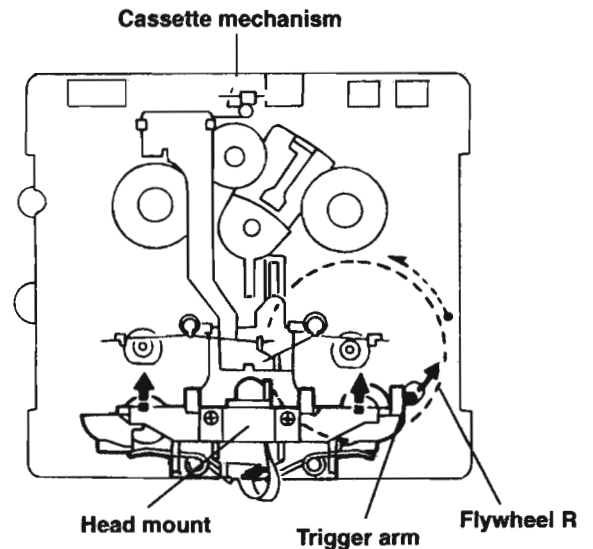


Fig.11

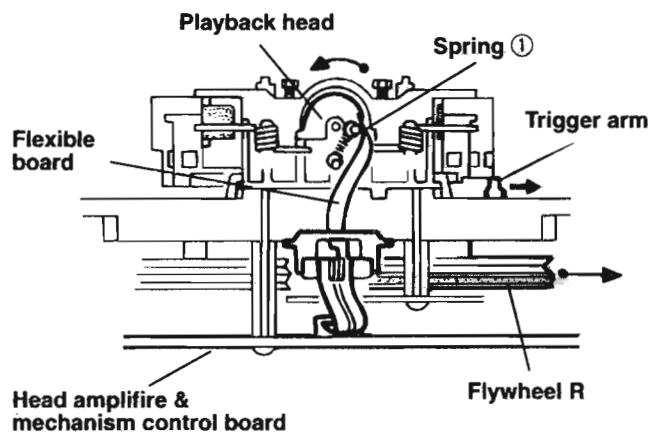


Fig.12

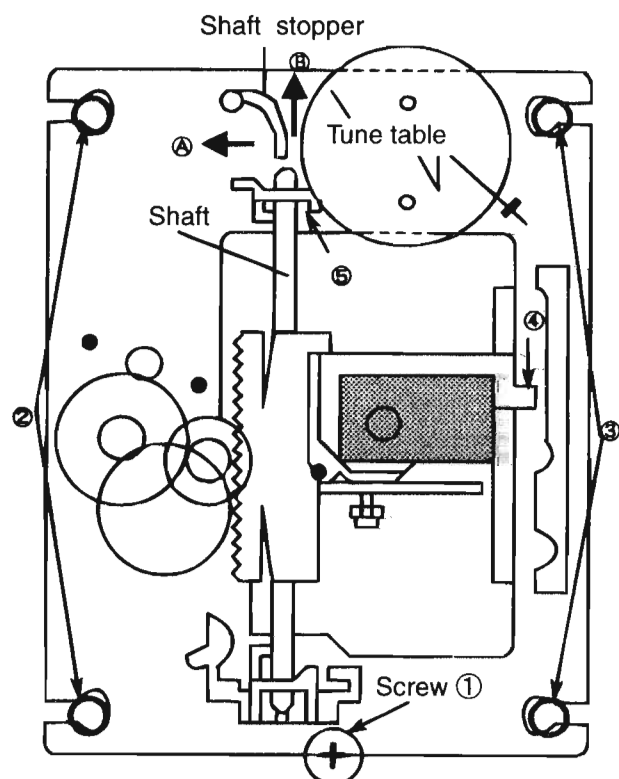
[CD mechanism section]

■ Removing the Laser Pickup

- 1) Remove the metal cover, tray assembly and the clamp.
- 2) Remove the screw ① from the Mecha Base assembly.
- 3) Remove the Mecha Base assembly from the rubber cushion ② ③ .
- 4) Move the Shaft stopper from the rest position to the left side .
- 5) Remove the Pickup Shaft from the Mecha Base assembly.(Slide the Pickup shaft to the up side-)
- 6) Remove the CD Pick Unit with the shaft.

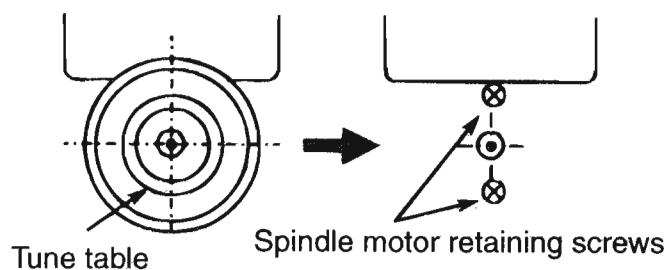
■ Installing the Laser Pickup

- 1) Connect the Flat wire with the connectors of APC (Automatic Power Control) P.C.Board.
- 2) While installing the ④ in the CD Support, set the shaft on the base hook⑤ .
- 3) Install the Mecha Base assembly to the rubber cushion ② ③ .



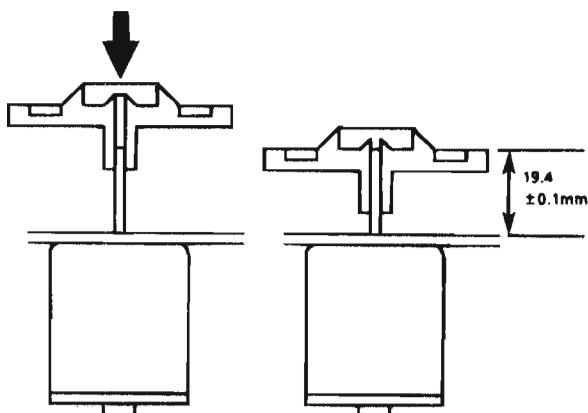
■ Removing the spindle motor

- 1) Remove the Mechanism assembly.
- 2) Remove the turntable, and remove the two screws retaining the spindle motor.
- 3) Remove the screw retaining the spindle and the Feed Motor P.C. Board and unsolder it.

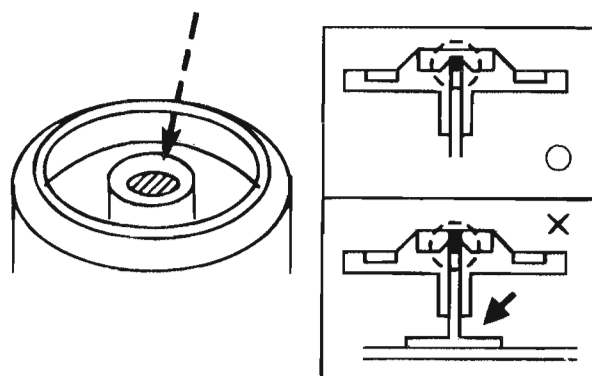


■ Installing the spindle motor

- 1) Tighten the 2 screws to the same torque.
- 2) Fasten the Spindle and the Feed Motor P.C. Board with the screw and solder.
- 3) Install the turntable. When installing, press straight down at the center of the turntable until the distance from the surface of the mechanism base to the top of the turntable is exactly $19.4 \pm 0.1 \text{ mm}$.



- 4) After insertion is complete, bond the motor shaft and turntable together (at the section marked by an arrow in the figure on the left below).

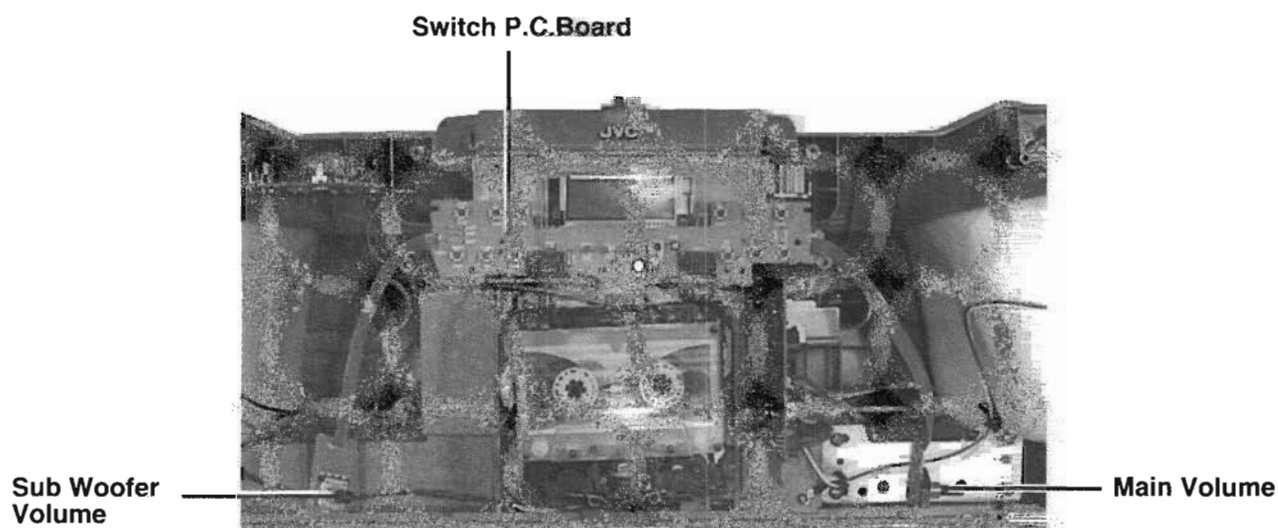


- 5) Use 'LOCTITE' #460 bonding agent, and apply as little as possible. Take care not to allow any excess bonding agent to get onto the turntable. Be extremely careful not to allow bonding agent to adhere to the motor bearings (the section marked by an allow in the figure on the right).

Adjustment Method

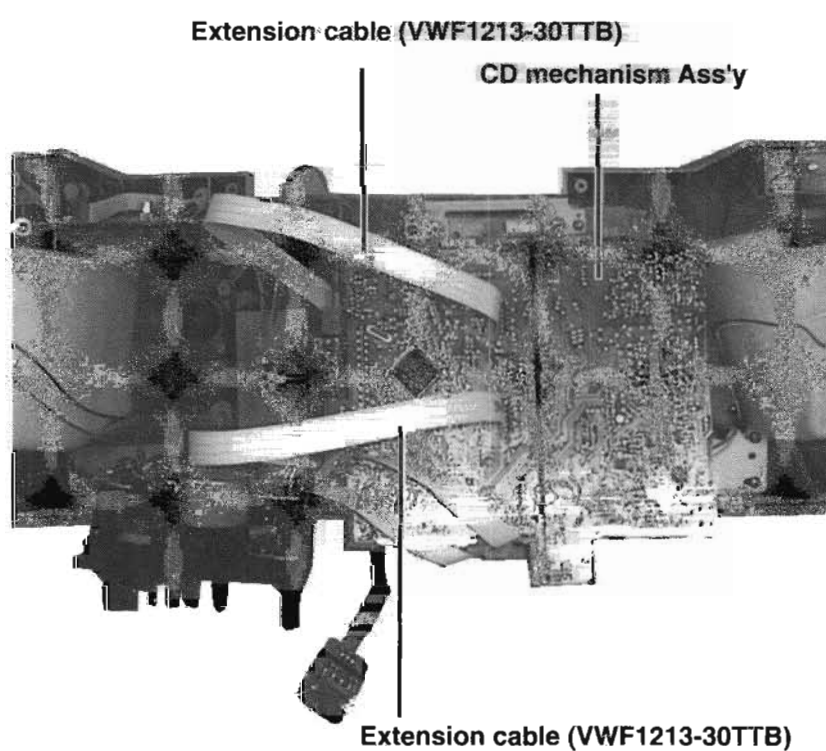
Connection of Adjustment

■ Connection of Cassette Deck and Circuit Board Check

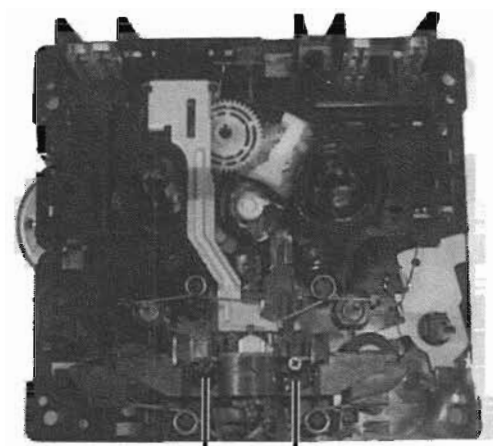


The switch P.C.Board and Two Volumes removed from a front panel, and It's installs in a main P.C.Board.

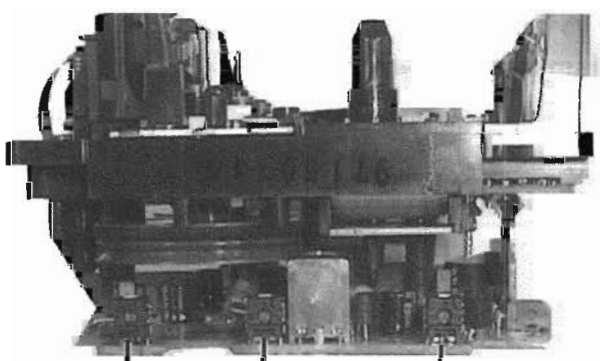
■ Connection of CD Mechanism ass'y Check



■ Arrangement of Adjusting points



Azimuth Adjust screws



VR32

VR31

VR37

Adjustment of Tape speed

■Tape Recorder Section

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Confirmation of head angle	Test tape :TMT7036(10kHz) Measurement output terminal :Speaker terminal Speaker R :Headphone terminal	1.Playback the test tape TMT7036(10kHz). 2.With the playback mechanism or recording & playback mechanism, adjust the head azimuth screw so that the forward and reverse output levels become maximum.After adjustment,lock the head azimuth at least by half aturn. 3.In either case,this adjustment shold be performed in both the forward and reverse directions with the head azimuth screw.	Maximum output	Adjust the head azimuth screw only when the head has been changed.
Confirmation of tape speed	Test tape :VTT712(3kHz) or TMT7036(3kHz) Measurement output terminal :Headphone terminal	<Constant speed> Adjust VR37 so that the frequency counter reading becomes $3,010\text{Hz} \pm 15\text{Hz}$ when playing back the test tape VTT712(3kHz)with the playback mechanism or playback and recording mechanism after ending forward winding of the tape.	Tape speed of decks :3,010Hz $\pm 15\text{Hz}$	VR37

■Reference Values for Confirmation items

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Wow & flutter		When the test tape VTT712(3kHz) has been played back with the playback mechanism or recording and playback mechanism at the begining of forward winding the frequency counter reading of wow & flutter should be 0.25% or less(WRMS).	0.25% or less (WRMS)	Both the playback and recording & playback mechanism

■ Electrical Performance

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Adjustment of recording bias current (Reference value)	*Mode : Forward or reverse mode *Recording mode *Test tape : AC-514 and AC-225 Measurement output terminal : Both recording and headphone terminals	1. With the recording and playback mechanism, load the test tapes (AC-514 to TYP II and AC-225 to TYP I), and set the mechanism to the recording and pausing conditions in advance. 2. After connecting 100 Ω in series to the recorder head, measure the bias current with a valve voltmeter at both of the terminals. 3. After resetting the [PAUSE] mode, start recording. At this time, adjust VR31 for LcH and VR32 for RcH so that the recording bias current values become 4.0 μ A (TYP I) and 4.20 μ A (TYP II).	AC-225 : 4.20 μ A AC-514 : 4.0 μ A	LcH : VR31 RcH : VR32
Adjustment of recording and playback frequency characteristics	Reference frequency : 1kHz and 10kHz (REF: -20dB) Test tape : TYP II AC-514 Measurement input terminal : OSC IN	1. With the recording and playback mechanism, load the test tape (AC-514 to TYP II), and set the mechanism to the recording and pausing condition in advance. 2. While repetitively inputting the reference frequency signal of 1kHz and 10kHz from OSC IN, record and playback the test tape. 3. While recording and playing back the test tape in TYP II, adjust VR31 for LcH and VR32 for RcH so that the output deviation between 1kHz and 10kHz becomes -1dB \pm 2dB.	Output deviation between 1kHz and 10kHz : -1dB \pm 2dB	LcH : VR31 RcH : VR32

■ Reference Values for Electrical Function Confirmation Items

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Recording bias frequency	*Recording and playback side forward or reverse *Test tape : TYP II AC-514 *Measurement terminal BIAS TP on P.C. board	1. While changing over to and from BIAS 1 and 2, confirm that the frequency is changed. 2. With the recording and playback mechanism, load the test tape (AC-514 to TYP II), and set the mechanism to the recording and pausing conditions in advance. 3. Confirm that the BIAS TP frequency on the P.C. board is 100kHz \pm 6kHz.	100kHz \pm 6kHz	
Eraser current (Reference value)	*Recording and playback side forward or reverse *Recording mode *Test tape : AC-514 and AC-225 Measurement terminal Both of the eraser head	1. With the recording and playback mechanism, load the test tapes (AC-514 to TYP II and AC-225 to TYP I), and set the mechanism to the recording and pausing condition in advance. 2. After setting to the recording conditions, connect 1M Ω in series to the eraser head on the recording and playback mechanism side, and measure the eraser current from both of the eraser terminal.	TYP II : 120mA TYP I : 75mA	

<<MEMO>>

Standard Schematic Diagrams

System CPU & Operation Switch Circuit

Version	R2501	R2502	R2503
J	OPEN	OPEN	OPEN
OTHERS	○	○	○

Version	NAMB1	NAMB2
J	NC	NC
OTHERS	USEV	TE/CC

NOTES

- VOLTAGES ARE MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP AT AC SUPPLY VOL-9 SOUND/BBAT WITHOUT TAPE.
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W, 5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN PICO (pF). ALL INDUCTANCE VALUES ARE IN MILLI (mH). ALL B. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (F)/RATED VOLTAGE (V). ALL DIMENSIONS ARE 155254-T2.



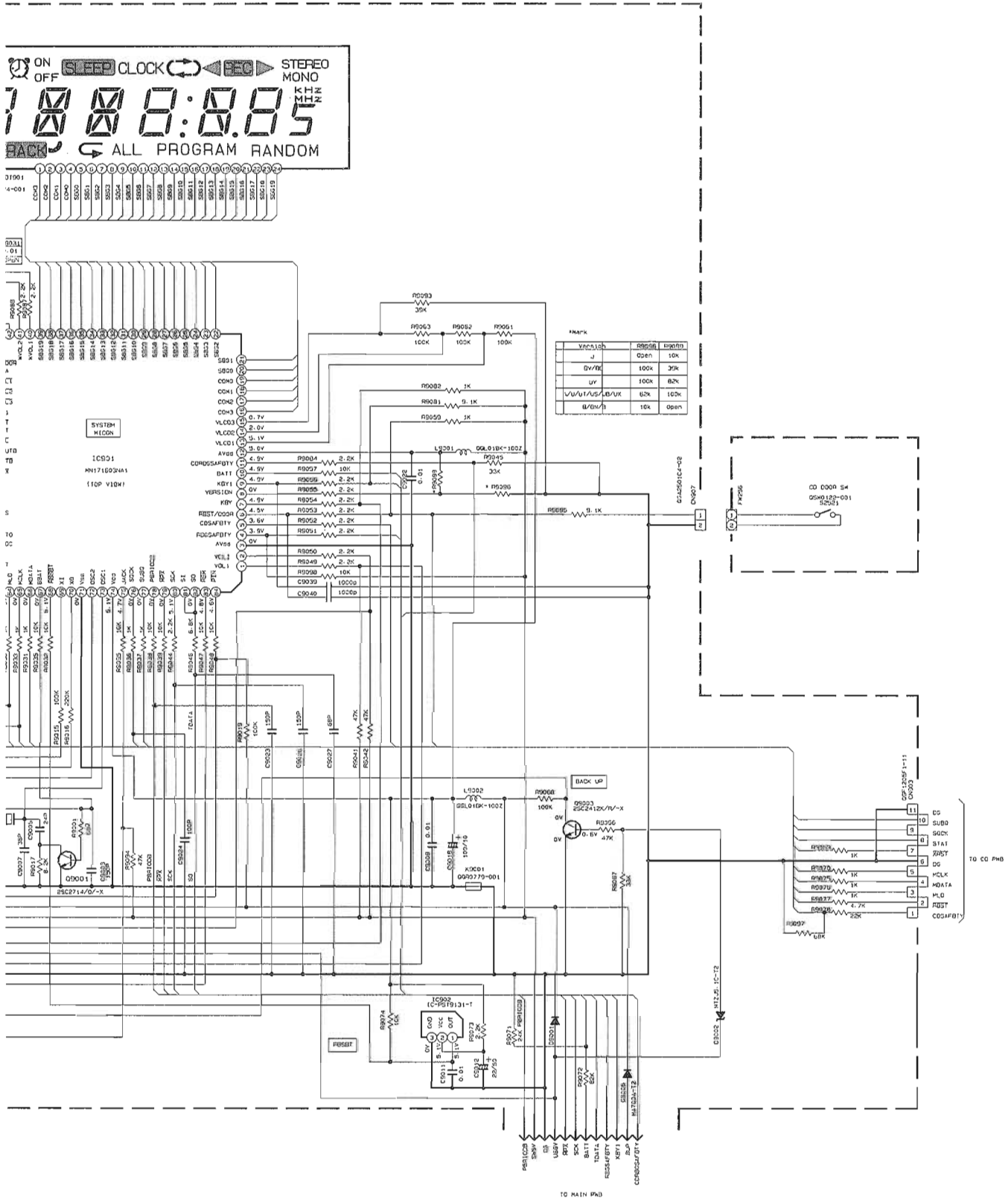
A

B

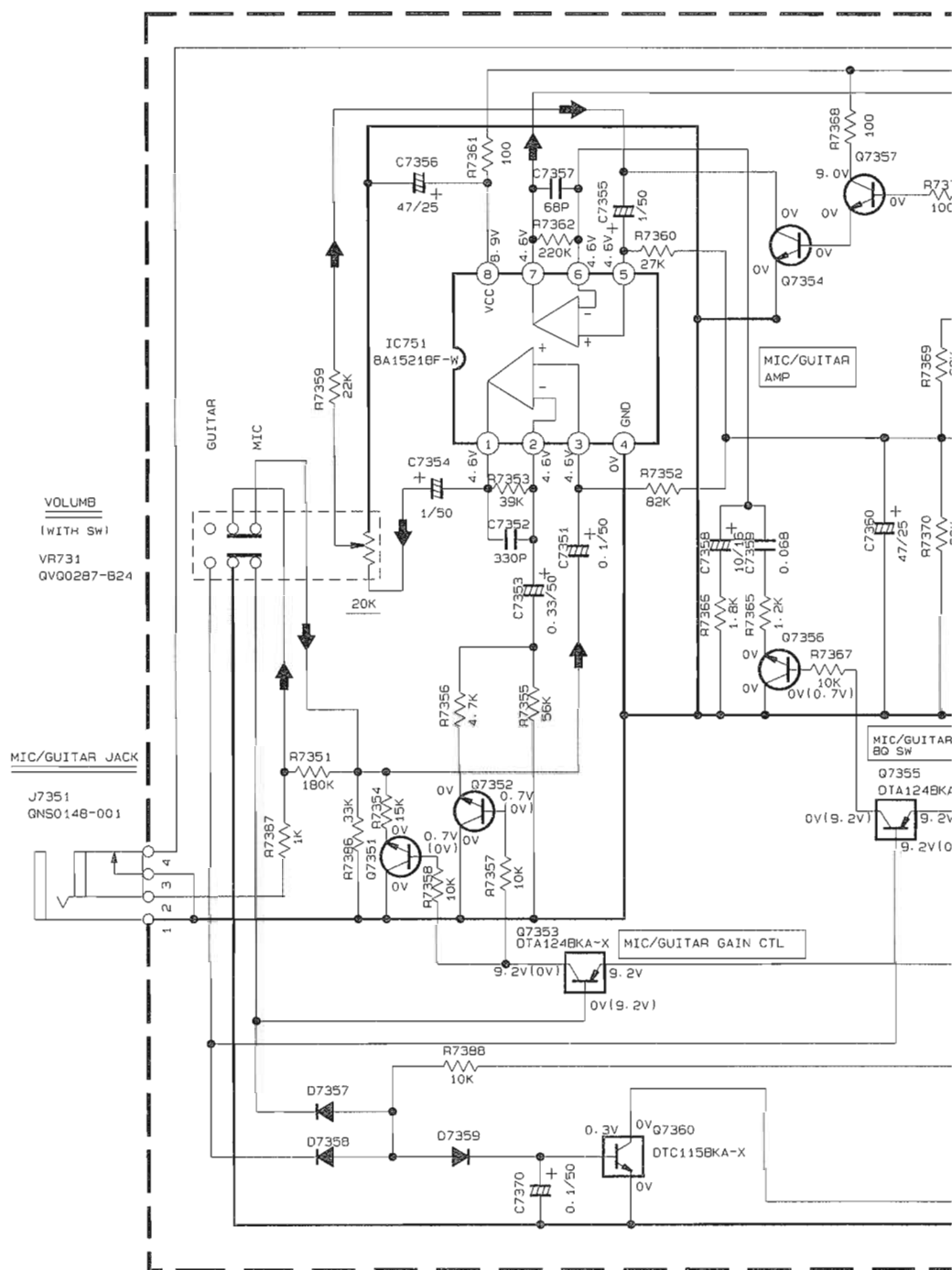
C

D

E



MIC Amplifier Circuit



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP AT AC SUPPLY
() IS GUITAR POSITION AND NORMAL IS MIC POSITION
- UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/10W $\pm 5\%$ CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μF (P=pF).
ALL INDUCTANCE VALUES ARE IN μH (m=mH).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES ARE 1SS254-T2
ALL NPN TRANSISTORS ARE 2SC2412K/R/-X

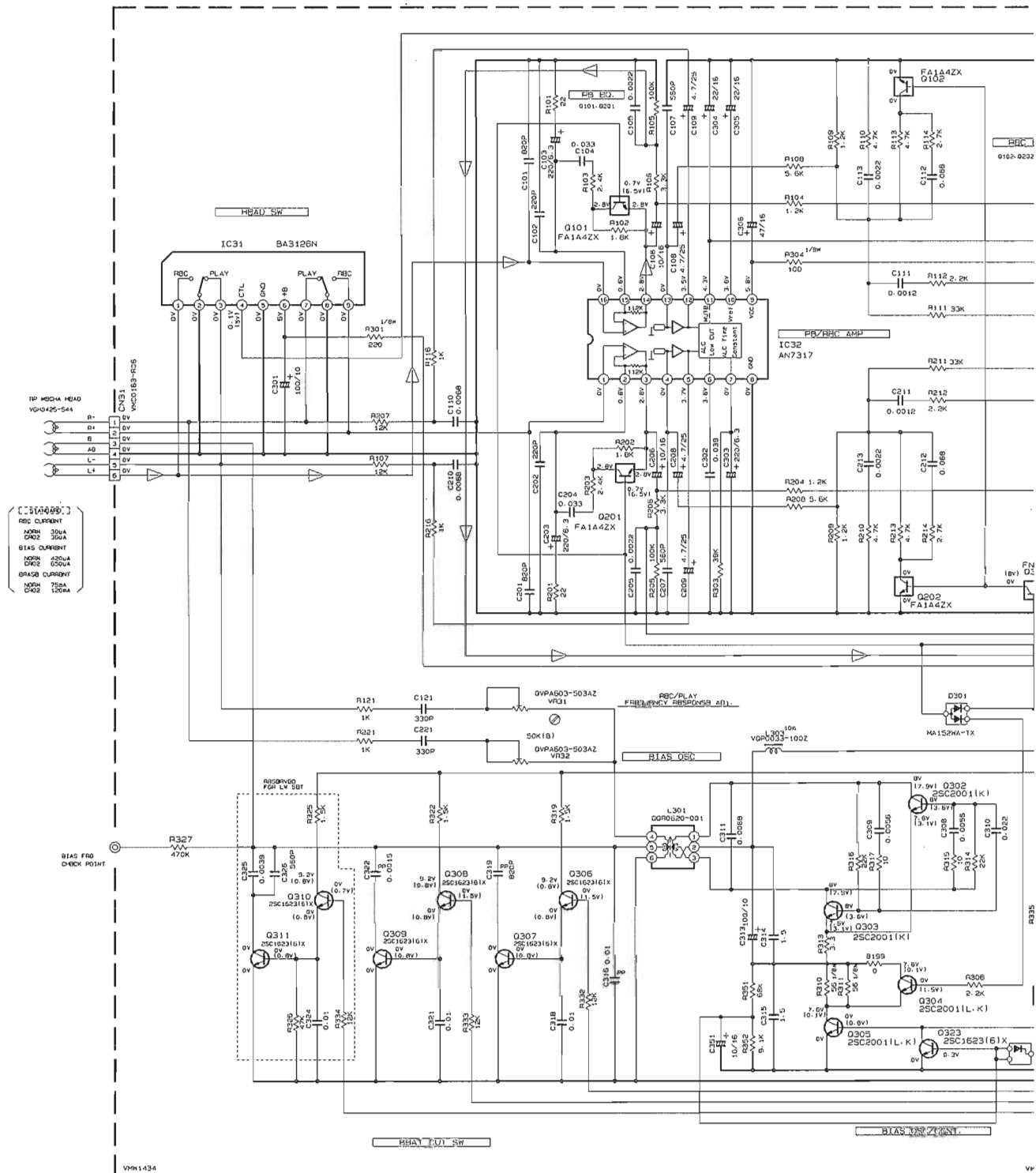
PARTS NA

CONSTRU

ARTS NAME	DTA124BK	DTC115BK
INSTRUCTION		

➡ MIC SIGNAL

■ Head Amplifier Circuit

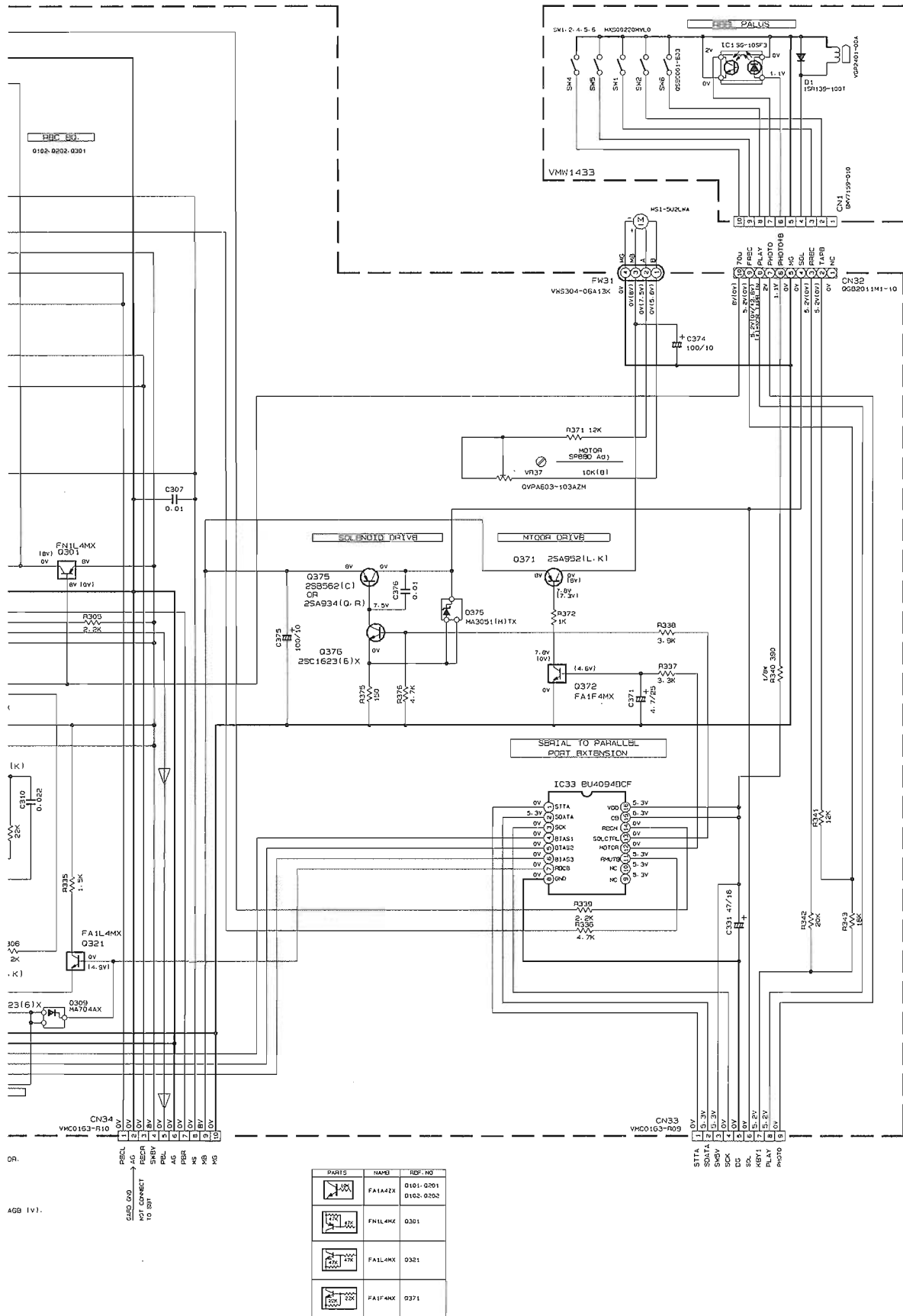


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION: HEAD STOP HOBB

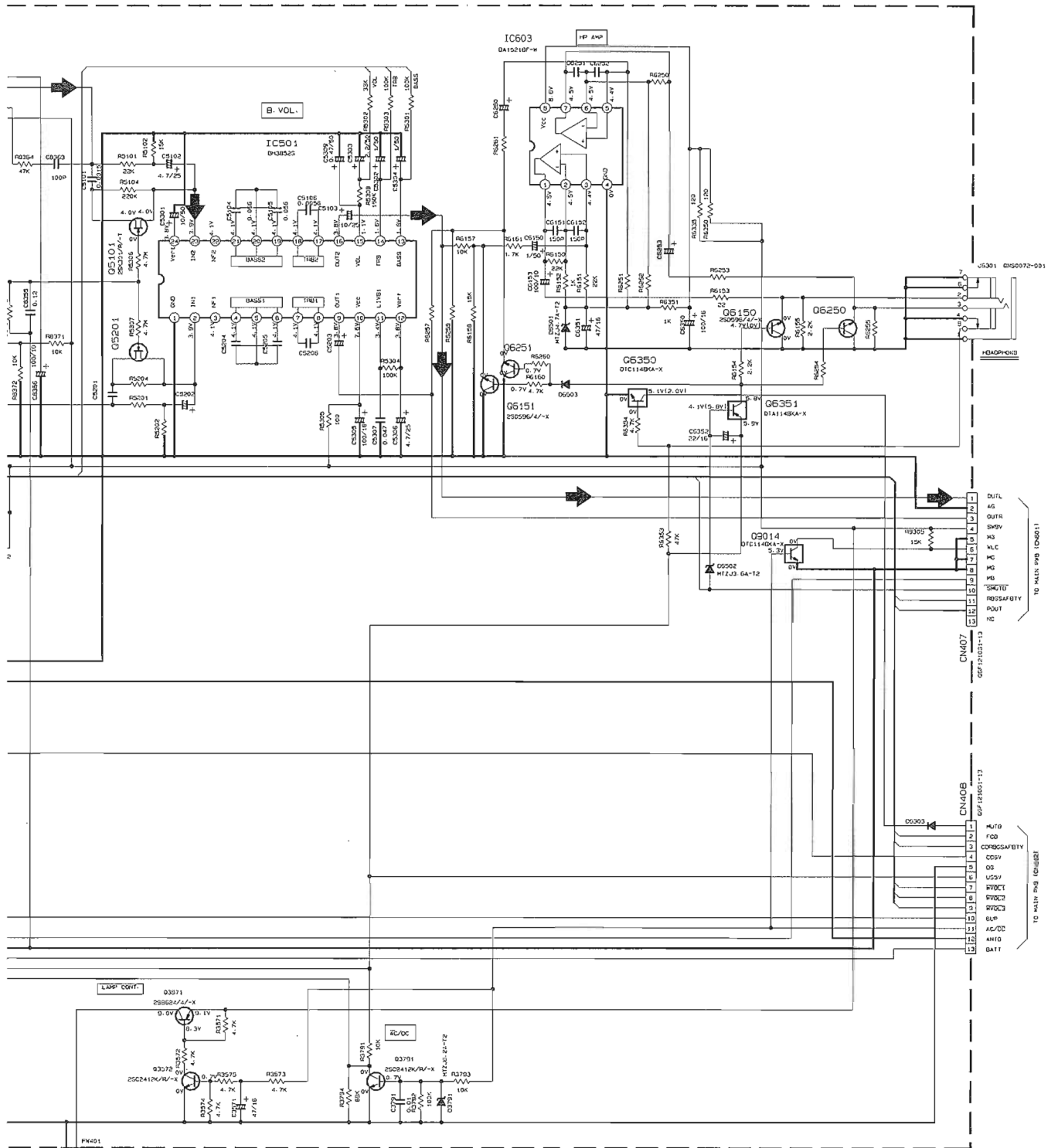
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/10W 1% METAL GLAZE RESISTOR.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN #1P=PF.
ALL INDUCTANCE VALUES ARE IN MH=MH.
ALL DIODES ARE 1N4148 IN THE FORM OF CAPACITANCE 1#1/RATED VOLTAGE (V).
POLYPROPYLENE CAPACITOR

▷ PLAY BACK SIGNAL



1





NOTES

1. VOLTAGE AND DC-HOLDING WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
2. VOLTAGE OTHERWISE SPECIFIED - RESISTORS ARE 1/4W 1% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHMS.
4. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
5. ALL CAPACITANCE VALUES ARE IN PICO (P).
6. ALL INDUCTANCE VALUES ARE IN MILLI (M).
7. ALL DIODES ARE 1N4148.
8. ALL NEW TRANSISTORS ARE 2N3904/2N3906.

UNLABLELLED CARBON RESISTOR
NON-POLARISED ELECTROLYTIC CAPACITOR
POLYPROPYLENE CAPACITOR
FUSIBLE RESISTOR

CD SIGNAL
RADIO SIGNAL
PLAY BACK SIGNAL
OUTPUT SIGNAL

PARTS NAME		DT1148K	DT1148K
CONSTRUCTION			

■ Power Supply & Power Amplifier Circuit (RV-B99 B/E/EN/EE/EE)

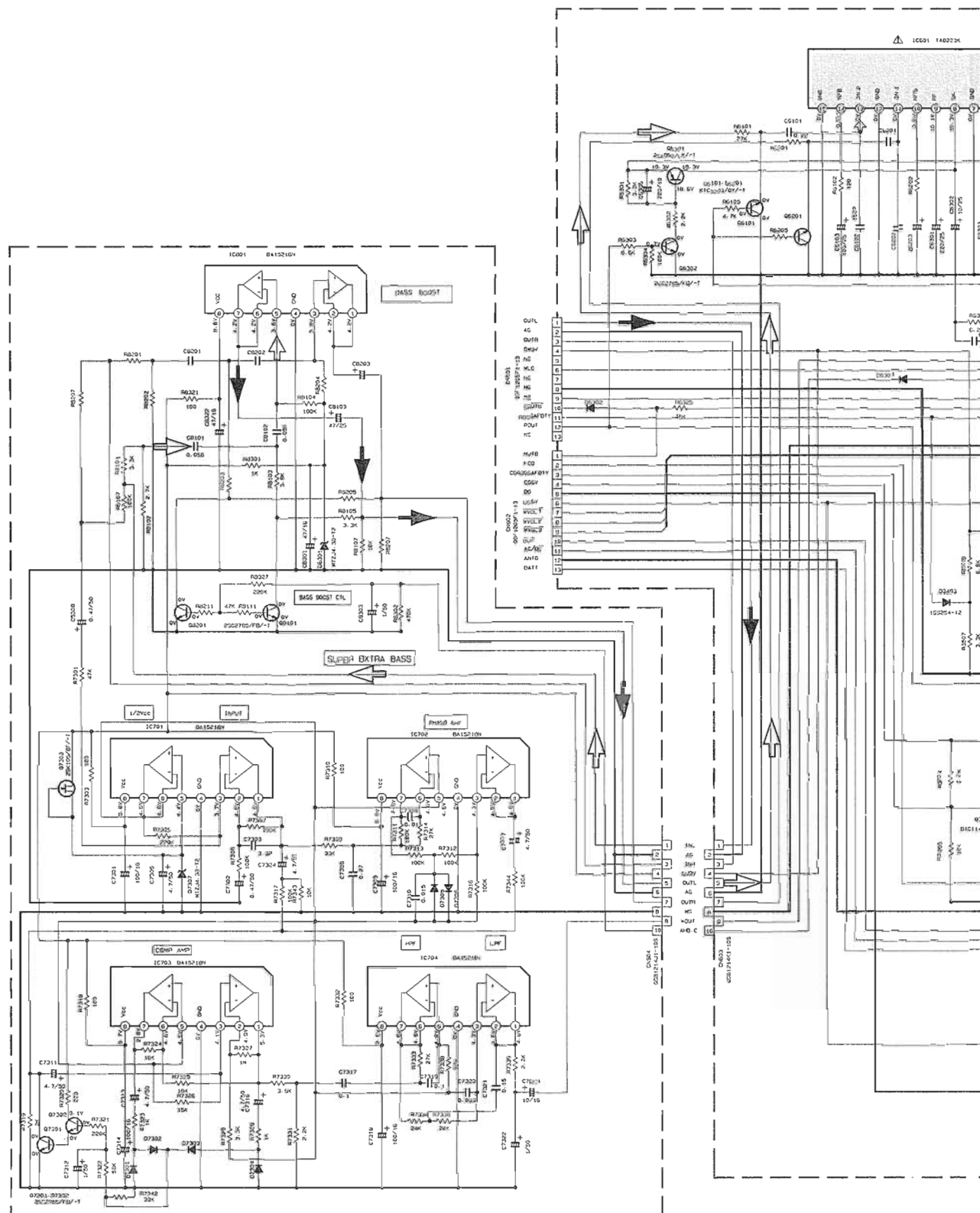
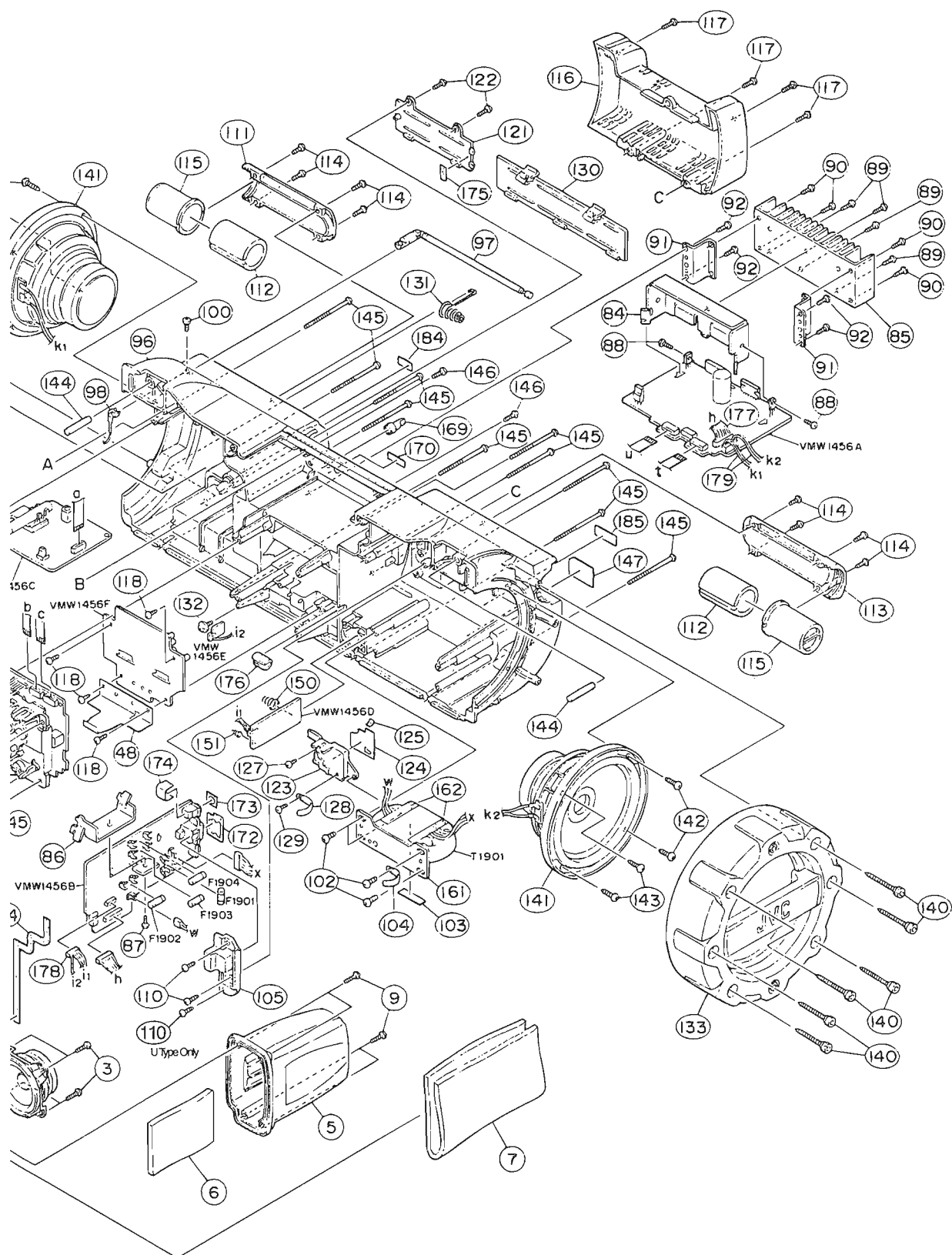


TABLE 1 DIGITAL TRANSISTOR

D1C114DA	D1A114DA	D1A114DA	D1A114DA	D1A114DA	D1A114DA
10K	10K	10K	10K	10K	10K

1. VOLTAGES ARE MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION -- CD STB MODE.
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/4W 5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHMS. ALL CAPACITORS ARE ELECTROLYTIC CAPACITORS UNLESS OTHERWISE SPECIFIED. ALL CAPACITANCE VALUES ARE IN P.F. (μF).

ALL INDUCTANCE VALUES
ALL CAPACITORS ARE 50V
ALL CAPACITORS ARE 100V
ALL CAPACITORS ARE 100V
ALL CAPACITORS ARE 100V



E

F

G

H

I

■ Parts List (General Assembly)

BLOCK NO. MMMM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	VJG1500-00F	FRONT CABI SA		1		BU
		VJG1500-00DUL	FRONT CABI SA		1		GY
		VJG1500-00EUL	FRONT CABI SA		1		BK
	2	QAS0006-001	SPEAKER	FULL RANGE	2		
	3	QYSBSF3010Z	SCREW	FOR SC SPK.	8		
	4	VYH2280-002	CAP (L)		1		
	5	VYH2281-002	CAP (R)		1		
	6	VKZ4389-009	SOUND ABSORBER	FOR CAP	2		
	7	VKZ4805-001UL	SOUND ABSORBER	FOR WOOFER	2		
	8	VYSH102-097	SPACER	FOR SC WIRE	2		
	9	QYSBSF3010Z	SCREW	FOR CAP	8		
	11	VJD2495-042	FRONT COVER(A)		1	B,E,EN,EE	BK
		VJD2495-042	FRONT COVER(A)		1	EV,U,UB,US	BK
		VJD2495-042	FRONT COVER(A)		1	UT,UX,UY	BK
		VJD2495-043	FRONT COVER(A)		1	J	BK
		VJD2495-033	FRONT COVER(A)		1		GY
		VJD2495-052	FRONT COVER(A)		1		BU
	12	QYSBSF2608Z	T.SCREW	FRONT + F.COVER	10		
	13	VJK4520-001	LCD LENS		1		BK
		VJK4520-031	LCD LENS		1		GY
		VJK4520-051	LCD LENS		1		BU
	15	VYSH102-098	SPACER		2		
	16	VXP3890-001	POWER BUTTON(A)		1		BK
		VXP3890-031	POWER BUTTON(A)		1		GY
		VXP3890-051	POWER BUTTON(A)		1		BU
	17	VXP3891-031	FUNC. BTN(A)		1		GY
		VXP3891-051	FUNC. BTN(A)		1		BU
		VXP3891-041	FUNC. BTN(A)		1		BK
	18	VXL4455-041	VOL.KNOB		2		BK
		VXL4455-001	VOL.KNOB		2		GY
		VXL4455-051	VOL.KNOB		2		BU
	19	VYTS539-002	VOL.SHEET	FOR VOL.KNOB	2		
	20	VJF3007-041	FOOT		1		BK
		VJF3007-001	FOOT		1		GY
		VJF3007-051	FOOT		1		BU
	21	VJF3007-002	FOOT		1		GY
		VJF3007-052	FOOT		1		BU
		VJF3007-042	FOOT		1		BK
	22	VYSA1R6-079	SPACER	FOR FOOT	2		
	23	QYSBSF3010Z	SCREW	FOR FOOT	6		
	24	VJK4516-002	LENS		1	B,E,EN,EE	
		VJK4516-001	LENS		1	J	
		VJK4516-002	LENS		1	UT,UX,UY	
		VJK4516-002	LENS		1	EV,U,UB,US	
	25	VJD5512-002	LED LENS		1	J	
		VJD5512-001	LED LENS		1	UT,UX,UY	
		VJD5512-001	LED LENS		1	EV,U,UB,US	
		VJD5512-001	LED LENS		1	B,E,EN,EE	
	28	QYSBSFG3010Z	TAP SCREW	FOR SPK.CONNECT	1		
	30	PQ45130-7	JVC MARK		1		
	31	VJT2389-031	CASSETTE HOLDER		1		GY
		VJT2389-051	CASSETTE HOLDER		1		BU
		VJT2389-041	CASSETTE HOLDER		1		BK
	32	VJT2390-041	DOOR COVER		1		BK
		VJT2390-031	DOOR COVER		1		GY

BLOCK NO. M1MM1111

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
33	VJT2390-051	DOOR COVER		1		BU
	VJT4246-031	DOOR LENS		1		GY
	VJT4246-051	DOOR LENS		1		BU
	VJT4246-001	DOOR LENS		1		BK
34	VKY4180-001	CASSETTE SPRING		2		
35	VYH5601-001	GEAR		1		
36	VXL4458-001	EJECT KNOB	FOR C.CASS OPEN	1		BK
	VXL4458-031	EJECT KNOB	FOR C.CASS OPEN	1		GY
	VXL4458-051	EJECT KNOB	FOR C.CASS OPEN	1		BU
37	VYH8174-001	CAM(A)		1		
39	VKY4736-001	PLATE SPRING(A)		1		
40	VKY4737-002	PLATE SPRING(B)		1		
41	QYSBSF2008Z	SCREW	E.KNOB + CAM(A)	1		
43	VKW5309-001	DOOR SPRING		1		
44	-----	CASS.MECHA ASSY		1		
45	VKL7850-002	EJECT SAFTY(R)		1		
46	VKW5258-002	TORSION SPRING		1		
47	QYSBSF3014Z	SCREW		4		
48	VMA4728-002	HEAD SHIELD		1		
50	-----	CD MECHA UNIT		1		
51	VJD5410-204	PICK COVER		1		
52	QYSDSF2006M	SCREW		4		
53	FMYH4003-003	INSULATOR		2		
54	FMYH4003-004	INSULATOR		2		
55	VYH7815-001	CD MECHA HOLDER		2		
56	QYSBSF3010Z	SCREW	FOR HOLDER	4		
57	E65923-003	TAPPING SCREW	FOR SW.PWB	1		
58	LV10179-002A	CD CASE		1		BK
	LV10179-001A	CD CASE		1		GY
	LV10179-003A	CD CASE		1		BU
60	QYSBSF3010Z	SCREW	FOR CD PWB	4		
61	QYSBSF3010Z	SCREW	FOR MICON PWB	4		
62	VYH4769-002SS	GEAR	FOR CD CASE	1		
65	VJT1060-041	CD DOOR		1		BK
	VJT1060-031	CD DOOR		1		GY
	VJT1060-051	CD DOOR		1		BU
66	VYH3644-001	CLAMPER	FOR OPTIMA-6	1		
67	VYH7313-003	MAGNET		1		
68	VYH7314-001	YOKE		1		
69	VYH7315-005	PAD		1		
70	VXL4458-001	EJECT KNOB		1		BK
	VXL4458-031	EJECT KNOB		1		GY
	VXL4458-051	EJECT KNOB		1		BU
71	VYH8197-001	CAM(B)		1		
72	QYSBSF2008Z	SCREW	E.KNOB + CAM(B)	1		
73	VKY4736-001	PLATE SPRING(A)		1		
74	VKY4737-002	PLATE SPRING(B)		1		
75	VYH8178-001	SLIDER(B)		1		
76	VKW5334-001	SWITCH SPRING	FOR SW LEVER	1		
77	VYH8204-001	SWITCH LEVER		1		
78	VYH8205-001	LOCK		1		
79	QYSDSF2606M	SCREW	SLIDER(B) + LOC	1		
80	VYH8176-002	COVER		1		
81	VKW5352-001	TENSION SPRING		1		

BLOCK NO. M1MM

△ REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
82	VKW5335-002	CD DOOR SPRING		1		
83	VKZ4794-002	SPECIAL SCREW	CD DOOR + SLIDE	3		
84	VMH3021-001	HEAT SINK		1		
85	VYH3892-005	HEAT SINK		1		
86	VMH4055-002	HEAT SINK	FOR D1901	1		
87	QYSBSF3010Z	SCREW		1		
88	QYSBSF3010Z	SCREW		2		
89	QYSBSF3010Z	SCREW	H.SINK(A)+H.SIN	4		
90	QYSBST3008Z	TH TAP SCREW	H.SINK(B)+BKT.	4		
91	VYH8188-002	BRACKET	FOR HEAT SINK	2		
92	QYSBSF3010Z	SCREW	FOR BKT. + REAR	4		
93	VYK3011-001	LCD HOLDER		1		
94	VYH8193-002	SHEET		1		
96	VJG1502-041UL	REAR CABINET		1	B,E,EN,EE	BK
	VJG1502-051	REAR CABINET		1	B,E,EN,EE	BU
	VJG1502-052	REAR CABINET		1	U,UB,US,UT	BU
	VJG1502-041UL	REAR CABINET		1	EV,J	BK
	VJG1502-042	REAR CABINET		1	U,UB,US	BK
	VJG1502-031UL	REAR CABINET		1	J	GY
	VJG1502-042	REAR CABINET		1	UT,UX,UY	BK
97	FMJA3001-00A(D)	ROD ANT ASS'Y		1		
98	VYH5012-005	TERMINAL LUG		1		
99	E65923-003	TAPPING SCREW	FOR TUNER PWB	1		
100	QYSDSP3012N	SCREW	FOR ROD ANT	1		
102	QYSBSF4012Z	SCREW	FOR TRANS	4		
103	VYSH101-028	SPACER		1		
104	VKZ4001-016	WIRE HOLDER		1		
105	VYH8179-002	JACK HOLDER		1		
110	QYSBSF3010Z	SCREW	FOR JACK HOLDER	3	UT,UX,UY	
	QYSBSF3010Z	SCREW	FOR JACK HOLDER	2	B,E,EN,EE	
111	QYSBSF3010Z	SCREW	FOR JACK HOLDER	3	U,UB,US	
	VJD2503-001	DUCT		1	EV,J	GY
	VJD2503-041	DUCT		1		BK
	VJD2503-051	DUCT		1		BU
112	VKZ4796-002	SOUND ABSORBER	FOR DUCT	2		
113	VJD2503-042	DUCT		1		BK
	VJD2503-002	DUCT		1		GY
	VJD2503-052	DUCT		1		BU
114	QYSBSF3010Z	SCREW	FOR DUCT	8		
115	VJD5510-001	DUCT CAP		2		GY
	VJD5510-051	DUCT CAP		2		BU
	VJD5510-041	DUCT CAP		2		BK
116	VJD1230-031UL	GRILLE		1		GY
	VJD1230-051	GRILLE		1		BU
	VJD1230-041UL	GRILLE		1		BK
117	QYSBSF3010Z	SCREW	FOR GRILL	4		
118	QYSBSF3010Z	SCREW	FOR CONECTER PW	4		
121	VJE3036-041	BATTERY LID		1		BK
	VJE3036-031	BATTERY LID		1		GY
	VJE3036-051	BATTERY LID		1		BU
122	QYSBSF3010Z	SCREW	FOR BATT. LID	2		
123	VYH8199-031	COVER		1		GY
	VYH8199-051	COVER		1		BU

BLOCK NO. M1MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	VYH8199-041	COVER		1		BK
124	VYTH542-001	SHEET(COVER)		1		
125	VYSH101-029	SPACER		1		
127	QYSBSF3010Z	SCREW	FOR COVER	1		
128	VKZ4001-111	WIRE HOLDER	FOR COVER	1		
129	QYSBSF3010Z	SCREW	FOR WIRE HOLDER	1		
130	VJC2603-041	BATTERY COVER	FOR COVER	1		BK
	VJC2603-031	BATTERY COVER	FOR COVER	1		GY
	VJC2603-051	BATTERY COVER	FOR COVER	1		BU
131	VYH5657-001	BATTERY SPRING		1		
132	E65923-003	TAPPING SCREW	FOR BATT(SUM 3)	1		
133	VJD1233-00DUL	SIDE PROTECT.AS		2		BK
	VJD1233-00E	SIDE PROTECT.AS		2		BU
	VJD1233-00CUL	SIDE PROTECT.AS		2		GY
140	VKZ4795-001	SPECIAL SCREW	FOR SIDE PROTEC	12		GY
	VKZ4795-011	SPECIAL SCREW	FOR SIDE PROTEC	12		BU
	VKZ4795-011	SPECIAL SCREW	FOR SIDE PROTEC	12		BK
141	QAS0007-001	SPEAKER	WOOFER	2		
142	QYSBSF4012Z	SCREW	FOR WF SPK.	4		
143	QYSBSF4012Z	SCREW	FOR WF WIRE	4		
144	VKH3012-073	SHAFT(E)		2		
145	QYSBSF3035Z	SCREW	FRONT+REAR	10		
146	QYSBSF3010Z	SCREW	CD CASE + REAR	2		
147	LV30887-001A	NAME PLATE		1	J	GY
	LV30887-006A	NAME PLATE		1	UX	BK
	LV30887-004A	NAME PLATE		1	EE	BK
	LV30887-005A	NAME PLATE		1	U,UB,US,UY	BK
	LV30887-007A	NAME PLATE		1	UT	BK
	LV30887-008A	NAME PLATE		1	B,E,EN	BU
	LV30887-009A	NAME PLATE		1	EE	BU
	LV30887-003A	NAME PLATE		1	B,E,EN,EV	BK
	LV30887-010A	NAME PLATE		1	U,UB,US	BU
	LV30887-011A	NAME PLATE		1	UT	BU
	LV30887-002A	NAME PLATE		1	J	BK
150	VYH5483-001	BATTERY SPRING	FOR UM-1	1		
151	VYH7199-001	BATTERY SPRING	FOR UM-3	1		
154	QUQ412-0912CJ	FFC WIRE	MICON - TUNER	1		
155	QUQ412-0916CJ	FFC WIRE	MICON - CASSETT	1		
156	QUQ412-1018CJ	FFC WIRE	MICON - CASSETT	1		
157	QUQ412-1310CJ	FFC WIRE	MAIN - MICON	2		
158	QUQ412-0706CJ	FFC WIRE	CD - MICON	1		
159	QUQ412-1112CJ	FFC WIRE	CD - MICON	1		
160	QUQ110-1507AJ	FFC WIRE	CD - CD PICK	1		
161	VYK3023-001	SHIELD PLATE		1	J	
162	VYSA1R6-079	SPACER		2	J	
164	VYTH539-002	PACKING SHEET L		1		
165	VYTH540-002	PACKING SHEET R		1		
166	VYSA1R4-056	SPACER	FOR LCD HOLDER	2		
167	LV40779-001A	BRACKET	FOR MIC	1		
168	QYSBSF3010Z	SCREW		3		
169	LV40759-001A	KNOB	FOR MIC	1		
170	LV40760-001A	MIC PLATE		1		
171	PU59915-105	SPACER	FOR CAS.WIRE	2		
172	VYTH543-001	SHEET(AC)	HIMELON(FOR AC)	1		

BLOCK NO. M1MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
173	VYTH544-001	SHEET(DC)	HIMELON(FOR DC)	1		
174	VYSA1R6-080	SPACER	HIMELON(FOR DC)	1		
175	VYSA1R4-056	SPACER	FOR BATT.LID	1		
176	VYSH101-027	SPACER	FOR WF WIRE	1		
177	WJK0002-001A	E-SI C WIRE C-B	MAIN - AC PWB	1		
178	WJK0003-001A	E-SI C WIRE C-B	AC - BATT	1		
179	WJK0004-001A	E-SI C WIRE C-B	MAIN - WOOFER	1		
180	QJK002-020602	SIN CL C-B WIRE	CD DOOR SW-MICO	1		
181	QJK003-040704	SIN CL C-B WIRE	MICON - JACK	1		
183	WJJ0002-001A	E-SI C WIRE C-C	AC - SPEAKER	1		
184	LE40210-001A	CAUTION LABEL		1	UT	
185	LV30887-012A	NAME PLATE		1	UT	BK
	LV30887-018A	NAME PLATE		1	UT	BU
186	QUM042-08Z3Z3	PARA RIBON WIRE	MICON - LAMP	1		
187	QUM043-14Z3Z3	PARA RIBON WIRE	SW - VOL	2		
F1901	QMF51E2-1R25-J1	FUSE	PRI	1	UT,UX,UY	
	QMF51N2-1R25-J1	FUSE	PRI	1	J	
	QMF51E2-1R25-J1	FUSE	PRI	1	U,UB,US	
F1902	QMF51A2-8R0J1	FUSE	2ND	1	UT,UX,UY	
	QMF51U1-8R0-J1	FUSE	2ND	1	J	
	QMF51A2-8R0J1	FUSE	2ND	1	B,E,EN,EE	
	QMF51A2-8R0J1	FUSE	2ND	1	EV,U,UB,US	
F1903	QMF51U1-6R3-J1	FUSE	BATT	1	J	
F1904	QMF51E2-6R3-J1	FUSE	DC	1	EV,U,UB,US	
	QMF51E2-6R3-J1	FUSE	DC	1	UT,UX,UY	
	QMF51E2-6R3-J1	FUSE	DC	1	B,E,EN,EE	
	QMF51U1-6R3-J1	FUSE	DC	1	J	
T1901	QQT0176-003	POWER TRANS		1	B,E,EN	
	QQT0176-004	POWER TRANS		1	UT,UX,UY	
	QQT0176-002	POWER TRANS		1	J	
	QQT0176-003	POWER TRANS		1	EE,EV	
	QQT0176-004	POWER TRANS		1	U,UB,US	

Electrical Parts List

■ Main & Front P.C.B. (B/E/EN/EE/EV)

BLOCK NO. 01				
A	REF.	PARTS NO.	PARTS NAME	REMARKS
CN231	QGB1216K1-10S	CONNECTOR		
CN232	QGB1216K1-10S	CONNECTOR		
CN403	QGF1205C1-09	CONNECTOR		
CN404	QGF1205C1-07	CONNECTOR		
CN405	QGF1205C1-10	CONNECTOR		
CN406	QGF1205C1-09	CONNECTOR		
CN407	QGF1210G1-13	CONNECTOR		
CN408	QGF1210G1-13	CONNECTOR		
CN901	QGB1216J1-10S	CONNECTOR		
CN902	QGB1216J1-10S	CONNECTOR		
CN903	QGF1205F1-11	CONNECTOR		
CN904	QGA2501C3-03Z	CONNECTOR 1M		
CN907	QGA2501C4-02	CONNECTOR		
C2501	QER41HM-10S	E CAPACITOR		1.0MF 20X 50V
C2502	QER41CM-476	E CAPACITOR		4.7MF 20X 16V
C2503	QCB21HK-333X	C CAPACITOR		.033MF 10X 50V
C2521	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C2522	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C2523	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C2524	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C3301	QEC11HM-107Z	E CAPACITOR		100PF 20X 10V
C3302	QEK41EM-475	E CAPACITOR		4.7MF 20X 25V
C3571	QEK41CM-476	E CAPACITOR		4.7MF 20X 16V
C3791	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C4142	NCB21HJ-150X	C CAPACITOR		15PF 5X 50V
C4143	QEK41EM-475	E CAPACITOR		4.7MF 20X 25V
C4144	QEK41EM-475	E CAPACITOR		4.7MF 20X 25V
C4145	Q1E1V06-106Z	E CAPACITOR		
C4151	NCB21HJ-681X	C CAPACITOR		680PF 5X 50V
C4242	NCB21HJ-150X	C CAPACITOR		15PF 5X 50V
C4243	QEK41EM-475	E CAPACITOR		4.7MF 20X 25V
C4244	QEK41EM-475	E CAPACITOR		4.7MF 20X 25V
C4245	Q1E1V06-106Z	E CAPACITOR		
C4251	NCB21HJ-681X	C CAPACITOR		680PF 5X 50V
C4301	QEK41CM-476	E CAPACITOR		4.7MF 20X 16V
C4302	QEK1CM-107Z	E CAPACITOR		100MF 20X 16V
C4343	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C4344	QEK1CM-226Z	E CAPACITOR		22MF 20X 50V
C5101	QFLM1HJ-152Z	M CAPACITOR		1500PF 5X 50V
C5102	QER41EM-475	E CAPACITOR		4.7MF 20X 25V
C5103	QER61EM-106Z	E.CAPA. I.M		10MF 20X 25V
C5104	QFLM1HJ-563Z	M CAPACITOR		.056MF 5X 50V
C5105	QFLM1HJ-563Z	M CAPACITOR		.056MF 5X 50V
C5106	QFLM1HJ-562Z	M CAPACITOR		5600PF 5X 50V
C5201	QFLM1HJ-152Z	M CAPACITOR		1500PF 5X 50V
C5202	QER41EM-475	E CAPACITOR		4.7MF 20X 25V
C5203	QER61EM-106Z	E.CAPA. I.M		10MF 20X 25V
C5204	QFLM1HJ-563Z	M CAPACITOR		.056MF 5X 50V
C5205	QFLM1HJ-563Z	M CAPACITOR		.056MF 5X 50V
C5206	QFLM1HJ-562Z	M CAPACITOR		5600PF 5X 50V
C5301	QEK1CM-106Z	E CAPACITOR		10MF 20X 50V
C5302	QER41HM-10S	E CAPACITOR		1.0MF 20X 50V
C5303	QER41HM-225	E CAPACITOR		2.2MF 20X 50V
C5304	QER41HM-10S	E CAPACITOR		1.0MF 20X 50V
C5305	QEK1CM-107Z	E CAPACITOR		100MF 20X 16V

BLOCK NO. 02				
A	REF.	PARTS NO.	PARTS NAME	REMARKS
C5306	QEK41EM-475	E CAPACITOR		4.7MF 20X 25V
C5307	QFLM1HJ-473Z	M CAPACITOR		.047MF 5X 50V
C5309	QEK41HM-474	E CAPACITOR		.47MF 20X 50V
C6352	QEK41CM-226	E CAPACITOR		22MF 20X 16V
C8351	NCB21HJ-680X	C.CAPA. C.M		68PF 5X 50V
C8352	NCB21HJ-221X	C CAPACITOR		220PF 5X 50V
C8353	NCB21HJ-221X	C CAPACITOR		220PF 5X 50V
C8354	NCB21HJ-330X	C CAPACITOR		33PF 5X 50V
C8355	GFVJ1HJ-124Z	TF CAPACITOR		.12MF 5X 50V
C8356	QEK1AM-107Z	E CAPACITOR		100MF 20X 10V
C8357	NCB21HJ-101X	C CAPACITOR		100PF 5X 50V
C8358	QEK1HM-226Z	E.CAPA. I.M		22MF 20X 50V
C8359	QEK1HM-106Z	E CAPACITOR		10MF 20X 50V
C8360	NCB21HK-272X	C CAPACITOR		2700PF 10X 50V
C8361	QFV41HJ-104	TF CAPACITOR		.10MF 5X 50V
C8362	NCB21HK-473X	C CAPACITOR		.047MF 10X 50V
C9001	NCB21HJ-101X	C CAPACITOR		100PF 5X 50V
C9002	NCB21HJ-220X	C CAPACITOR		22PF 5X 50V
C9003	NCB21HJ-220X	C CAPACITOR		22PF 5X 50V
C9005	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9006	NCB21HJ-240X	C.CAPA. I.M		24PF 5X 50V
C9007	NCB21HJ-360X	C CAPACITOR		36PF 5X 50V
C9008	NCB21HJ-360X	C CAPACITOR		36PF 5X 50V
C9009	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C9011	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C9012	QER1HM-226Z	E.CAPA. I.M		22MF 20X 50V
C9013	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9015	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9016	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9017	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9018	QER41AM-107	E CAPACITOR		100MF 20X 10V
C9019	QER61HM-106Z	E CAPACITOR		10MF 20X 50V
C9020	QER61HM-106Z	E CAPACITOR		10MF 20X 50V
C9021	QER61HM-106Z	E CAPACITOR		10MF 20X 50V
C9022	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C9023	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9024	NCB21HJ-101X	C CAPACITOR		100PF 5X 50V
C9026	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9027	NCB21HJ-680X	C.CAPA. C.M		68PF 5X 50V
C9031	NCB21HK-103X	C CAPACITOR		.010MF 10X 50V
C9033	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9035	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9036	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9037	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9038	NCB21HJ-151X	C CAPACITOR		150PF 5X 50V
C9039	NCB21HJ-102X	C CAPACITOR		1000PF 5X 50V
C9040	NCB21HJ-102X	C CAPACITOR		1000PF 5X 50V
D1901	QL00024-001	LCD		
D2502	SLR-342VR-T15	ED I M		STAND-BY LED
D2503	SLR-342VR-T15	ED I M		ACS ON/OFF(R)
D2504	SLR-342MG-T15	LED I M		ACS IND (GR)
D3361	1S8254-T2	SI DIODE		
D3362	MTJ3.9B-T2	Z DIODE		
D3363	1S8254-T2	SI DIODE		

BLOCK NO. 01

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D3791	MT2J6-2A-T2	Z-DIODE 10M		
D4301	1SS254-T2	SI DIODE		
D4501	1SS254-T2	SI DIODE		
D4501	MT2J4-7A-T2	ZENER DIODE		
D4502	MT2J3-6A-T2	ZENER DIODE 1/M		
D4503	1SS254-T2	SI DIODE		
D4551	1SS254-T2	SI DIODE		
D4552	1SS254-T2	SI DIODE		
D4553	1SS254-T2	SI DIODE		
D4554	1SS254-T2	SI DIODE		
D9001	1SS254-T2	SI DIODE		
D9002	MT2J5-1C-T2	ZENER DIODE		
D9006	MA700A-T2	S.B.DIODE		
D9007	1SR35-100A-T5	SI DIODE		
IC401	VYH7237-002	IC HOLDER	FOR MICON	
IC401	BA15218F-W	IC	ADDER	
IC501	BH3852S	IC	VOL&TONE	
IC603	BA15218F-W	IC	H.P AMP	
IC831	BA15218F-W	IC	HIGH CONT. AMP	
IC901	MN171603NA1	IC	SYSTEM MICON	
IC902	IC-8ST9131-T	IC	RESET IC	
IC903	GP10281X	IR DETECT UNIT	REM DET	
J4301	QNS0047-001	JACK	AUX	
J6301	QNS0072-001	HEADPHONE JACK		
K9001	QQR0779-001Z	INDUCTOR		
K9003	QQR0779-001Z	INDUCTOR	<- B4520	
L4351	QQR0779-001Z	INDUCTOR		
L4352	QQR0779-001Z	INDUCTOR		
L4353	QGL01BK-100Z	INDUCTOR		
L4354	QQR0779-001Z	INDUCTOR		
L9001	QGL01BK-100Z	INDUCTOR		
L9002	QGL01BK-100Z	INDUCTOR		
PL 1	QLL0043-001	LAMP		
Q2501	DTA124XKA-X	CHIP D.T.R.C.M		
Q2502	2SC2412K/R/-X	TRANSISTOR		
Q2503	2SC2412K/R/-X	TRANSISTOR		
Q2504	DTA144TKA-X	TRANSISTOR		
Q2505	DTA143TKA-X	TRANSISTOR		
Q3361	2SA1037AK/RS/-X	CHIP TR.C.M		
Q3362	2SC2412K/R/-X	TRANSISTOR		
Q3571	2SB624/47-X	TRANSISTOR	TUNER SW	
Q3572	2SC2412K/R/-X	TRANSISTOR		
Q3791	2SC2412K/R/-X	TRANSISTOR		
Q4101	2SD596/47-X	TRANSISTOR		
Q4102	2SD596/47-X	TRANSISTOR		
Q4201	2SD596/47-X	TRANSISTOR		
Q4202	2SD596/47-X	TRANSISTOR		
Q4301	2SC2412K/R/-X	TRANSISTOR		
Q5101	2SK301/R/-T	JUNCTION FET		
Q5201	2SK301/R/-T	JUNCTION FET		
Q6150	2SD596/47-X	TRANSISTOR		
Q6151	2SD596/47-X	TRANSISTOR		
Q6250	2SD596/47-X	TRANSISTOR		
Q6251	2SD596/47-X	TRANSISTOR		
Q6350	DTA114EKA-X	TRANSISTOR		

BLOCK NO. 01

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q6351	DTA114EKA-X	DIGITAL-TR		
Q8351	2SA1037AK/RS/-X	CHIP TR.C.M		
Q8352	2SA1037AK/RS/-X	CHIP TR.C.M		
Q8353	2SC2412K/R/-X	TRANSISTOR		
Q8354	DTA114EKA-X	TRANSISTOR		
Q9001	2SC2714/07-X	TRANSISTOR	MAIN CLOCK	
Q9002	2SC2714/07-X	TRANSISTOR	MAIN CLOCK	
Q9003	2SC2412K/R/-X	TRANSISTOR		
Q9006	2SA1037AK/RS/-X	CHIP TR.C.M		
Q9010	DTA114TKA-X	TRANSISTOR		
Q9011	DTA114TKA-X	TRANSISTOR		
Q9012	2SC2412K/R/-X	TRANSISTOR		
Q9013	2SC2412K/R/-X	TRANSISTOR		
Q9014	DTA114EKA-X	TRANSISTOR		
R2501	NRS181J-271X	MG RESISTOR	270 5% 1/8W	
R2504	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R2505	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R2506	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
R2507	NRSA02J-151X	MG RESISTOR	150 5% 1/10W	
R2508	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
R2509	NRSA02J-271X	MG RESISTOR	270 5% 1/10W	
R2510	NRSA02J-391X	MG RESISTOR	390 5% 1/10W	
R2511	NRSA02J-561X	RES. C.M	560 5% 1/10W	
R2512	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R2513	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W	
R2514	NRS181J-391X	MG RESISTOR	390 5% 1/8W	
R2515	NRS181J-471X	MG RESISTOR	470 5% 1/8W	
R2516	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R2517	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R2518	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R2519	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R2520	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R2521	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R3361	NRSA02J-390X	MG RESISTOR	39 5% 1/10W	
R3362	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R3363	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3571	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3572	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3573	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3574	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3575	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3791	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R3792	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R3793	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R3794	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R4141	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
R4142	NRSA02J-303X	RES. C.M	30K 5% 1/10W	
R4143	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
R4144	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4145	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
R4149	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R4150	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R4151	NRSA02J-154X	RES. C.M	150K 5% 1/10W	
R4153	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4155	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	

BLOCK NO. 001					BLOCK NO. 002				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R4158	NRSA02J-32X	MG RESISTOR	3.3K 5% 1/10W		R0361	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R4159	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		R0335	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
R4160	NRSA02J-821X	MG RESISTOR	820 5% 1/10W		R0350	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
R4161	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W		R0351	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R4241	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W		R0353	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4242	NRSA02J-303X	RES. C.M	30K 5% 1/10W		R0354	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R4243	NRSA02J-224X	RES. C.M	220K 5% 1/10W		R0351	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R4244	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W		R0352	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
R4245	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W		R0353	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
R4249	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W		R0354	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R4250	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		R0355	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
R4251	NRSA02J-154X	RES. C.M	150K 5% 1/10W		R0356	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
R4253	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W		R0357	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R4255	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W		R0358	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W	
R4258	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W		R0359	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R4259	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		R0360	NRSA02J-823X	MG RESISTOR	8.2K 5% 1/10W	
R4260	NRSA02J-821X	MG RESISTOR	820 5% 1/10W		R0361	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4261	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W		R0362	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
R4301	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W		R0363	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R4341	NRSA02J-103X	RES. C.M	10K 5% 1/10W		R0364	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4342	NRSA02J-103X	RES. C.M	10K 5% 1/10W		R0365	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R4343	NRSA02J-101X	MG RESISTOR	100 5% 1/10W		R0366	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
R5101	NRSA02J-223X	RES. C.M	22K 5% 1/10W		R0367	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
R5102	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W		R0368	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R5104	NRSA02J-224X	RES. C.M	220K 5% 1/10W		R0369	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R5201	NRSA02J-223X	RES. C.M	22K 5% 1/10W		R0370	NRSA02J-275X	MG RESISTOR	2.7M 5% 1/10W	
R5202	NRSA02J-133X	MG RESISTOR	15K 5% 1/10W		R0371	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R5204	NRSA02J-224X	RES. C.M	220K 5% 1/10W		R0372	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R5301	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W		R0001	NRSA02J-681X	MG RESISTOR	680 5% 1/10W	
R5302	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W		R0002	NRSA02J-681X	MG RESISTOR	680 5% 1/10W	
R5303	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W		R0003	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R5305	NRSA02J-101X	MG RESISTOR	100 5% 1/10W		R0004	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R5306	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W		R0005	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R5307	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W		R0006	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R5308	NRSA02J-154X	RES. C.M	150K 5% 1/10W		R0007	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R6150	NRSA02J-223X	RES. C.M	22K 5% 1/10W		R0009	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R6151	NRSA02J-223X	RES. C.M	22K 5% 1/10W		R0010	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R6152	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		R0011	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R6153	NRSA02J-220X	MG RESISTOR	22 5% 1/10W		R0012	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R6154	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W		R0013	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R6155	NRSA02J-103X	RES. C.M	10K 5% 1/10W		R0014	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R6158	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W		R0015	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R6160	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W		R0016	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
R6161	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W		R0017	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
R6250	NRSA02J-223X	RES. C.M	22K 5% 1/10W		R0018	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
R6251	NRSA02J-223X	RES. C.M	22K 5% 1/10W		R0019	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R6252	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		R0020	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R6253	NRSA02J-220X	MG RESISTOR	22 5% 1/10W		R0021	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R6254	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W		R0022	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
R6255	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W		R0023	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R6257	NRSA02J-103X	RES. C.M	10K 5% 1/10W		R0024	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R6258	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W		R0026	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R6260	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W		R0027	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
					R0028	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	

BLOCK NO. 001

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9029	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9030	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9031	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9032	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9033	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9034	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9035	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9036	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9037	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9038	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9039	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9040	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9041	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9042	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9043	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9044	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9045	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9046	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
R9047	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9048	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9049	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9050	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9051	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9052	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9053	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9054	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9055	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9056	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9057	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9059	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9061	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9062	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9063	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9065	NRSA02J-563X	RES. C.M	56K 5% 1/10W	
R9066	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9067	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9068	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9069	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9070	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9071	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9072	NRSA02J-823X	MG RESISTOR	82K 5% 1/10W	
R9073	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9074	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9075	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9076	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9077	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R9078	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
R9079	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9080	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9081	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R9082	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9083	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9084	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9085	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R9086	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9087	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9088	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9089	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	

BLOCK NO. 001

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9092	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9093	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R9094	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9095	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9096	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9096	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9097	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R9098	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9099	NRSA02J-393X	RES. C.M	39K 5% 1/10W	
R9301	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9302	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9303	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9304	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9305	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
S2501	QSW0622-001Z	TACT SWITCH		
S2502	QSW0622-001Z	TACT SWITCH		
S2503	QSW0622-001Z	TACT SWITCH		
S2504	QSW0622-001Z	TACT SWITCH		
S2505	QSW0622-001Z	TACT SWITCH		
S2506	QSW0622-001Z	TACT SWITCH		
S2507	QSW0622-001Z	TACT SWITCH		
S2508	QSW0622-001Z	TACT SWITCH		
S2509	QSW0622-001Z	TACT SWITCH		
S2510	QSW0622-001Z	TACT SWITCH		
S2512	QSW0622-001Z	TACT SWITCH		
S2513	QSW0622-001Z	TACT SWITCH		
S2521	QSW0132-001	PUSH SWITCH		
VR901	QSW0626-001	R ENCODER		
VR902	QSW0626-001	R ENCODER		
X9001	QAX0401-001	CRYSTAL		
X9002	QAX0410-001Z	CERA LOCK		

■ Main & Front P. C. B. (J)

BLOCK NO. 02					BLOCK NO. 02				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CN251	GBB1216K1-10S	CONNECTOR			C5306	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V	
CN252	GBB1216K1-10S	CONNECTOR			C5307	QFLM1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
CN403	GGF1205C1-09	CONNECTOR			C5309	QEX41HM-474	E CAPACITOR	.47MF 20% 50V	
CN404	GGF1205C1-07	CONNECTOR			C8352	QEX41CM-226	E CAPACITOR	22MF 20% 16V	
CN405	GGF1205C1-10	CONNECTOR			C8351	NCS21HJ-680X	C.CAPA. C.M	68PF 5% 50V	
CN406	GGF1205C1-09	CONNECTOR			C8352	NCS21HJ-221X	C CAPACITOR	220PF 5% 50V	
CN407	GGF1210G1-13	CONNECTOR			C8353	NCS21HJ-221X	C CAPACITOR	220PF 5% 50V	
CN408	GGF1210G1-13	CONNECTOR			C8354	NCS21HJ-330X	C CAPACITOR	33PF 5% 50V	
CN901	GBB1216J1-10S	CONNECTOR			C8355	QFVJ1HJ-124Z	TF CAPACITOR	.12MF 5% 50V	
CN902	GBB1216J1-10S	CONNECTOR			C8356	QEXC1AM-107Z	E CAPACITOR	100MF 20% 10V	
CN903	GGF1205F1-11	CONNECTOR			C8357	NCS21HJ-101X	C CAPACITOR	100PF 5% 50V	
CN904	GGA2501C3-03Z	CONNECTOR IM			C8358	QEXC1HM-226Z	E.CAPACITOR	22MF 20% 50V	
CN907	GGA2501C4-02	CONNECTOR			C8359	QEXC1HM-106Z	E CAPACITOR	10MF 20% 50V	
C2501	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		C8360	NCS21HK-272X	C CAPACITOR	2700PF 10% 50V	
C2502	QER41CM-476	E CAPACITOR	4.7MF 20% 16V		C8361	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
C2503	NCB21HK-333X	C CAPACITOR	.033MF 10% 50V		C8362	NCS21HK-473X	C CAPACITOR	.047MF 10% 50V	
C2521	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V		C8363	NCS21HJ-101X	C CAPACITOR	100PF 5% 50V	
C2522	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V		C9001	NCS21HJ-220X	C CAPACITOR	22PF 5% 50V	
C2523	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V		C9002	NCS21HJ-220X	C CAPACITOR	22PF 5% 50V	
C2524	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V		C9003	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C3361	QEXC1AM-107Z	E CAPACITOR	100MF 20% 10V		C9005	NCS21HJ-240X	C.CAPACITOR	24PF 5% 50V	
C3362	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9006	NCS21HJ-240X	C.CAPACITOR	24PF 5% 50V	
C3571	QEX41CM-476	E CAPACITOR	4.7MF 20% 16V		C9007	NCS21HJ-360X	C CAPACITOR	36PF 5% 50V	
C3791	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V		C9008	NCS21HJ-360X	C CAPACITOR	36PF 5% 50V	
C4142	NCS21HJ-150X	E CAPACITOR	15PF 5% 50V		C9009	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V	
C4143	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9011	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V	
C4144	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9012	QER61HM-226Z	E.CAPA. I-M	22MF 20% 50V	
C4145	QIE1V06-106Z	E.CAPACITOR			C9013	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C4151	NCS21HJ-681X	C CAPACITOR	680PF 5% 50V		C9015	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C4242	NCS21HJ-150X	C CAPACITOR	15PF 5% 50V		C9016	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C4243	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9017	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C4244	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9018	QEX41AM-107	E CAPACITOR	100MF 20% 10V	
C4245	QIE1V06-106Z	E.CAPACITOR			C9019	QER61HM-106Z	E CAPACITOR	10MF 20% 50V	
C4251	NCS21HJ-681X	C CAPACITOR	680PF 5% 50V		C9020	QER61HM-106Z	E CAPACITOR	10MF 20% 50V	
C4341	QEX41CM-476	E CAPACITOR	4.7MF 20% 16V		C9021	QEX61HM-106Z	E CAPACITOR	10MF 20% 50V	
C4342	QEXC1CM-107Z	E CAPACITOR	100MF 20% 16V		C9022	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V	
C4343	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V		C9023	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C4344	QEXC1HM-226Z	E.CAPACITOR	22MF 20% 50V		C9024	NCS21HJ-101X	C CAPACITOR	100PF 5% 50V	
C5101	QFLM1HJ-152Z	M CAPACITOR	1500PF 5% 50V		C9026	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C5102	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9027	NCS21HJ-680X	C.CAPA. C.M	68PF 5% 50V	
C5103	QEX61EM-106Z	E.CAPA. I-M	10MF 20% 25V		C9031	NCS21HK-103X	C CAPACITOR	.010MF 10% 50V	
C5104	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V		C9034	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C5105	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V		C9035	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C5106	QFLM1HJ-562Z	M CAPACITOR	5600PF 5% 50V		C9036	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C5201	QFLM1HJ-152Z	M CAPACITOR	1500PF 5% 50V		C9037	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C5202	QEX41EM-475	E CAPACITOR	4.7MF 20% 25V		C9038	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
C5203	QEX61EM-106Z	E.CAPA. I-M	10MF 20% 25V		C9039	NCS21HJ-102X	C CAPACITOR	1000PF 5% 50V	
C5204	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V		C9040	NCS21HJ-102X	C CAPACITOR	1000PF 5% 50V	
C5205	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V		D1901	QLD0024-001	LCD		
C5206	QFLM1HJ-562Z	M CAPACITOR	5600PF 5% 50V		D2503	SLR-342VR-T15	LED I M	ACS ON/OFF(R)	
C5301	QEXC1HM-106Z	E CAPACITOR	10MF 20% 50V		D2504	SLR-342MG-T15	LED I M	ACS IND (GR)	
C5302	QEX41HM-105	E CAPACITOR	1.0MF 20% 50V		D3361	1SS254-T2	SI DIODE		
C5303	QEX41HM-225	E CAPACITOR	2.2MF 20% 50V		D3362	MTJ3.9B-T2	Z DIODE		
C5304	QEX41HM-105	E CAPACITOR	1.0MF 20% 50V		D3363	1SS254-T2	SI DIODE		
C5305	QEXC1CM-107Z	E CAPACITOR	100MF 20% 16V		D3791	MTJ36.2A-T2	Z.DIODE IDM		

BLOCK NO. 02

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q4301	1SS254-T2	SI DIODE		
Q4302	1SS254-T2	SI DIODE		
D6501	MTJ3.7A-T2	ZENER DIODE		
D6502	MTJ3.7A-T2	ZENER DIODE I/M		
D6503	1SS254-T2	SI DIODE		
D8351	1SS254-T2	SI DIODE		
D8352	1SS254-T2	SI DIODE		
D8353	1SS254-T2	SI DIODE		
D8354	1SS254-T2	SI DIODE		
D9001	1SS254-T2	SI DIODE		
D9002	MTJ3.7A-T2	ZENER DIODE		
D9006	NA700A-T2	S-B DIODE		
D9007	1SR35-100A-T5	SI DIODE		
IC401	VYH7337-002	IC HOLDER	FOR MICON	
IC401	BA15218F-W	IC	ADDER	
IC501	BH3825	IC	VOL&TONE	
IC603	BA15218F-W	IC	H.P AMP	
IC831	BA15218F-W	IC	HIGH CONT. AMP	
IC901	MN171603NA1	IC	SYSTEM MICON	
IC902	IC-PST9131-T	IC	RESET IC	
IC903	GP1U281X	IR DETECT UNIT	REM DET	
J4301	QNS0047-001	JACK	AUX	
J6301	QNS0072-001	HEADPHONE JACK		
K9001	QQR0779-0012	INDUCTOR		
K9003	QQR0779-0012	INDUCTOR	<- B4520	
L4351	QQR0779-0012	INDUCTOR		
L4352	QQR0779-0012	INDUCTOR		
L4353	QQL018K-1002	INDUCTOR		
L4354	QQR0779-0012	INDUCTOR		
L9002	QQL018K-1002	INDUCTOR		
L9002	QQL018K-1002	INDUCTOR		
PL 1	QLL0043-001	LAMP		
Q2502	2SC2412K/R/-X	TRANSISTOR		
Q2503	2SC2412K/R/-X	TRANSISTOR		
Q2504	2SC2412K/R/-X	TRANSISTOR		
Q2505	DTA137KA-X	TRANSISTOR	TUNER SW	
Q3361	2SA1037AK/RS/-X	CHIP TR.C.M		
Q3362	2SC2412K/R/-X	TRANSISTOR		
Q3571	2SB624/4/-X	TRANSISTOR		
Q3572	2SC2412K/R/-X	TRANSISTOR		
Q3791	2SC2412K/R/-X	TRANSISTOR		
Q4101	2SD596/4/-X	TRANSISTOR		
Q4102	2SD596/4/-X	TRANSISTOR		
Q4201	2SD596/4/-X	TRANSISTOR		
Q4202	2SD596/4/-X	TRANSISTOR		
Q4301	2SC2412K/R/-X	TRANSISTOR		
Q5101	2SK301/R/-T	JUNCTION FET		
Q5201	2SK301/R/-T	JUNCTION FET		
Q6150	2SD596/4/-X	TRANSISTOR		
Q6151	2SD596/4/-X	TRANSISTOR		
Q6250	2SD596/4/-X	TRANSISTOR		
Q6251	2SD596/4/-X	TRANSISTOR		
Q6350	DTA114EKA-X	TRANSISTOR		
Q6351	DTA114EKA-X	DIGITAL TR		
Q8351	2SA1037AK/RS/-X	CHIP TR.C.M		
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q8352	2SA1037AK/RS/-X	CHIP TR.C.M		
Q8353	2SC2412K/R/-X	TRANSISTOR		
Q8354	DTA114EKA-X	TRANSISTOR		
Q9001	2SC2714/O/-X	TRANSISTOR	MAIN CLOCK	
Q9002	2SC2714/O/-X	TRANSISTOR	MAIN CLOCK	
Q9003	2SC2412K/R/-X	TRANSISTOR		
Q9006	2SA1037AK/RS/-X	CHIP TR.C.M		
Q9010	DTA144TKA-X	TRANSISTOR		
Q9011	DTA144TKA-X	TRANSISTOR		
Q9012	2SC2412K/R/-X	TRANSISTOR		
Q9013	2SC2412K/R/-X	TRANSISTOR		
Q9014	DTA144EKA-X	TRANSISTOR		
R2504	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R2505	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R2506	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
R2507	NRSA02J-151X	MG RESISTOR	150 5% 1/10W	
R2508	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
R2509	NRSA02J-271X	MG RESISTOR	270 5% 1/10W	
R2510	NRSA02J-391X	MG RESISTOR	390 5% 1/10W	
R2511	NRSA02J-561X	RES. C.M	560 5% 1/10W	
R2512	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R2513	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W	
R2514	NRS181J-391X	MG RESISTOR	390 5% 1/8W	
R2515	NRS181J-471X	MG RESISTOR	470 5% 1/8W	
R2516	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R2517	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R2518	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R2519	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R2520	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R2521	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R3361	NRSA02J-390X	MG RESISTOR	39 5% 1/10W	
R3362	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R3363	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3371	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3372	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3373	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3374	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3375	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R3791	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R3792	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R3793	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R3794	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R4141	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
R4142	NRSA02J-303X	RES. C.M	30K 5% 1/10W	
R4143	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
R4144	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4145	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
R4149	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R4150	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R4151	NRSA02J-154X	RES. C.M	150K 5% 1/10W	
R4153	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R4155	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	
R4158	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
R4159	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R4160	NRSA02J-821X	MG RESISTOR	820 5% 1/10W	

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R6351	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6353	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R6354	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R6351	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
	R6352	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
	R6353	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R6354	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R6355	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
	R6356	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R6357	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R6358	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W	
	R6359	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6360	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R6361	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R6362	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R6363	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R6364	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R6365	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R6366	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R6367	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
	R6368	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R6369	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R6370	NRSA02J-275X	MG RESISTOR	2.7M 5% 1/10W	
	R6371	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6372	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9001	NRSA02J-681X	MG RESISTOR	680 5% 1/10W	
	R9002	NRSA02J-681X	MG RESISTOR	680 5% 1/10W	
	R9003	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R9004	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R9005	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R9006	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R9007	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9009	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R9010	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9011	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R9012	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R9013	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R9014	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R9015	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R9016	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R9017	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R9018	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R9019	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R9020	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R9021	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R9022	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R9023	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9024	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9025	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9026	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9027	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R9028	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R9029	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R9030	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R9031	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R4161	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
	R4241	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R4242	NRSA02J-303X	RES. C.M	30K 5% 1/10W	
	R4243	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R4244	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4245	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R4249	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R4250	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R4251	NRSA02J-154X	RES. C.M	150K 5% 1/10W	
	R4253	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4255	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	
	R4258	NRSA02J-333X	MG RESISTOR	3.3K 5% 1/10W	
	R4259	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R4260	NRSA02J-821X	MG RESISTOR	820 5% 1/10W	
	R4261	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
	R4301	NRSA02J-223X	MG RESISTOR	2.2K 5% 1/10W	
	R4341	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R4342	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R4343	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R5101	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
	R5102	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
	R5104	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R5201	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
	R5202	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
	R5204	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R5301	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R5302	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
	R5303	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R5304	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R5305	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R5306	NRSA02J-473X	MG RESISTOR	4.7M 5% 1/10W	
	R5307	NRSA02J-473X	MG RESISTOR	4.7M 5% 1/10W	
	R5308	NRSA02J-154X	RES. C.M	150K 5% 1/10W	
	R6150	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
	R6151	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
	R6152	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6153	NRSA02J-220X	MG RESISTOR	22 5% 1/10W	
	R6154	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R6155	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R6157	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6158	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
	R6140	NRSA02J-473X	RES. C.M	4.7K 5% 1/10W	
	R6161	NRSA02J-473X	RES. C.M	4.7K 5% 1/10W	
	R6250	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
	R6251	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
	R6252	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6253	NRSA02J-220X	MG RESISTOR	22 5% 1/10W	
	R6254	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R6255	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R6257	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6258	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
	R6260	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R6261	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R6335	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
	R6350	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9095	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9097	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R9098	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9099	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9301	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9302	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9304	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9305	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
S2501	QSW0622-001Z	TACT SWITCH		
S2502	QSW0622-001Z	TACT SWITCH		
S2503	QSW0622-001Z	TACT SWITCH		
S2504	QSW0622-001Z	TACT SWITCH		
S2505	QSW0622-001Z	TACT SWITCH		
S2506	QSW0622-001Z	TACT SWITCH		
S2507	QSW0622-001Z	TACT SWITCH		
S2508	QSW0622-001Z	TACT SWITCH		
S2509	QSW0622-001Z	TACT SWITCH		
S2510	QSW0622-001Z	TACT SWITCH		
S2512	QSW0622-001Z	TACT SWITCH		
S2513	QSW0622-001Z	TACT SWITCH		
S2521	QSW0122-001	PUSH SWITCH		
VR901	QSW0626-001	R ENCODER		
VR902	QSW0626-001	R ENCODER		
X9001	QAX0401-001	CRYSTAL	SUB CLOCK	
X9002	QAX0410-001Z	CERA LOCK	MAIN CLOCK	

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9032	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9033	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9035	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9036	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9037	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9038	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9039	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9041	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9042	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9044	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9045	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9046	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
R9047	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9048	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9049	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9050	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9051	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9052	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9053	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9054	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9055	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9056	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9057	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9059	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9061	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9062	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9063	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9065	NRSA02J-563X	RES. C.M	56K 5% 1/10W	
R9066	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9067	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9068	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9069	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9070	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9071	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9072	NRSA02J-823X	MG RESISTOR	82K 5% 1/10W	
R9073	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9074	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9075	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9076	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9077	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R9078	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
R9079	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9080	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9081	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R9082	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9083	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9084	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9085	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R9086	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9087	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9088	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9089	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9092	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9093	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R9094	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	

■ Main & Front P.C.B. (WUB/US/UT/UX/UY)

BLOCK NO. 03				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CN251	QGB1216K1-10S	CONNECTOR		
CN252	QGB1216K1-10S	CONNECTOR		
CN403	QGF1205C1-09	CONNECTOR		
CN404	QGF1205C1-07	CONNECTOR		
CN405	QGF1205C1-10	CONNECTOR		
CN406	QGF1205C1-09	CONNECTOR		
CN407	QGF1210G1-13	CONNECTOR		
CN408	QGF1210G1-13	CONNECTOR		
CN901	QGB1216J1-10S	CONNECTOR		
CN902	QGB1216J1-10S	CONNECTOR		
CN903	QGF1205F1-11	CONNECTOR		
CN904	QGA2501C3-03Z	CONNECTOR IM		
CN907	QGA2501C4-02	CONNECTOR		
C2501	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
C2502	QER41CM-476	E CAPACITOR	47MF 20% 16V	
C2503	NCB21HK-333X	C CAPACITOR	.033MF 10% 50V	
C2521	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C2522	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C2523	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C2524	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C3361	QKFC1AM-107Z	E CAPACITOR	100MF 20% 10V	
C3362	QK41EM-475	E CAPACITOR	4.7MF 20% 25V	
C3571	QK41CM-476	E CAPACITOR	47MF 20% 16V	
C3791	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C4142	NC521HJ-150X	C CAPACITOR	15PF 5% 50V	
C4143	QK41EM-475	E CAPACITOR	4.7MF 20% 25V	
C4144	QK41EM-475	E CAPACITOR	4.7MF 20% 25V	
C4145	Q1E1V06-106Z	E CAPACITOR		
C4151	NC521HJ-681X	C CAPACITOR	680PF 5% 50V	
C4242	NC521HJ-150X	C CAPACITOR	15PF 5% 50V	
C4243	QK41EM-475	E CAPACITOR	4.7MF 20% 25V	
C4244	QK41EM-475	E CAPACITOR	4.7MF 20% 25V	
C4245	Q1E1V06-106Z	E CAPACITOR		
C4251	NC521HJ-681X	C CAPACITOR	680PF 5% 50V	
C4341	QK41CM-476	E CAPACITOR	47MF 20% 16V	
C4342	QKFC1CM-107Z	E CAPACITOR	100MF 20% 16V	
C4343	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C4344	QKFC1HM-226Z	E CAPACITOR	22MF 20% 50V	
C5101	QFLM1HJ-152Z	M CAPACITOR	1500PF 5% 50V	
C5102	QER41EM-475	E CAPACITOR	4.7MF 20% 25V	
C5103	QER61EM-106Z	E CAPA. I.M	10MF 20% 25V	
C5104	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V	
C5105	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V	
C5106	QFLM1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
C5201	QFLM1HJ-152Z	M CAPACITOR	1500PF 5% 50V	
C5202	QER41EM-475	E CAPACITOR	4.7MF 20% 25V	
C5203	QER61EM-106Z	E CAPA. I.M	10MF 20% 25V	
C5204	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V	
C5205	QFLM1HJ-563Z	M CAPACITOR	.056MF 5% 50V	
C5206	QFLM1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
C5301	QKFC1HM-106Z	E CAPACITOR	10MF 20% 50V	
C5302	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
C5303	QER41HM-235	E CAPACITOR	2.2MF 20% 50V	
C5304	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
C5305	QKFC1CM-107Z	E CAPACITOR	100MF 20% 16V	

BLOCK NO. 03				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C5306	QK41EM-475	E CAPACITOR	4.7MF 20% 25V	
C5307	QFLM1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
C5309	QK41HM-474	E CAPACITOR	.47MF 20% 50V	
C6352	QK41CM-226	E CAPACITOR	22MF 20% 16V	
C6351	NC521HJ-680X	C CAPA. C.M	68PF 5% 50V	
C6352	NC521HJ-221X	C CAPACITOR	220PF 5% 50V	
C6353	NC521HJ-221X	C CAPACITOR	220PF 5% 50V	
C6354	NC521HJ-330X	C CAPACITOR	33PF 5% 50V	
C6355	QFV1HJ-124Z	TF CAPACITOR	.12MF 5% 50V	
C6356	QKFC1AM-107Z	E CAPACITOR	100MF 20% 10V	
C6357	NC521HJ-101X	C CAPACITOR	100PF 5% 50V	
C6358	QKFC1HM-226Z	E CAPACITOR	22MF 20% 50V	
C6359	QKFC1HM-106Z	E CAPACITOR	10MF 20% 50V	
C6360	NCB21HK-272X	C CAPACITOR	2700PF 10% 50V	
C6361	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
C6362	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
C6363	NC521HJ-101X	C CAPACITOR	100PF 5% 50V	
C9001	NC521HJ-220X	C CAPACITOR	22PF 5% 50V	
C9002	NC521HJ-220X	C CAPACITOR	22PF 5% 50V	
C9003	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9006	NC521HJ-240X	C CAPACITOR	24PF 5% 50V	
C9007	NC521HJ-360X	C CAPACITOR	36PF 5% 50V	
C9008	NC521HJ-360X	C CAPACITOR	36PF 5% 50V	
C9009	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C9011	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C9012	QER61HM-226Z	E CAPA. I.M	22MF 20% 50V	
C9013	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9015	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9016	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9017	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9018	QER41AM-107	E CAPACITOR	100MF 20% 10V	
C9019	QER61HM-106Z	E CAPACITOR	10MF 20% 50V	
C9020	QER61HM-106Z	E CAPACITOR	10MF 20% 50V	
C9021	QER61HM-106Z	E CAPACITOR	10MF 20% 50V	
C9022	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C9023	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9024	NC521HJ-101X	C CAPACITOR	100PF 5% 50V	
C9026	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9027	NC521HJ-680X	C CAPA. C.M	68PF 5% 50V	
C9031	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
C9034	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9035	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9036	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9037	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9038	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C9039	NC521HJ-102X	C CAPACITOR	1000PF 5% 50V	
C9040	NC521HJ-102X	C CAPACITOR	1000PF 5% 50V	
D1901	QLD0024-001	LCD		
D2502	SLR-342VR-T15	ED I M	STAND-BY LED	
D2503	SLR-342VR-T15	ED I M	ACS ON/OFF(R)	
D2504	SLR-342MG-T15	LED I M	ACS IND (GR)	
D3361	1SS254-T2	SI DIODE		
D3362	MTJ3.9B-T2	Z DIODE		
D3363	1SS254-T2	SI DIODE		

BLOCK NO. 03

BLOCK NO. 03

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D3791	MT2J6-2A-T2	2-DIODE 1DM		
	D4301	1SS254-T2	SI DIODE		
	D4302	1SS254-T2	SI DIODE		
	D4501	MT2J4-7A-T2	ZENER DIODE		
	D6502	MT2J3-6A-T2	ZENER DIODE 1/M		
	D6503	1SS254-T2	SI DIODE		
	D8351	1SS254-T2	SI DIODE		
	D8352	1SS254-T2	SI DIODE		
	D8353	1SS254-T2	SI DIODE		
	D8354	1SS254-T2	SI DIODE		
	D9001	1SS254-T2	SI DIODE		
	D9002	MT2J5-1C-T2	ZENER DIODE		
	D9006	MA700A-T2	S-B DIODE		
	D9007	1SR35-100A-T5	SI DIODE		
	IC401	VYH7237-002	IC HOLDER	FOR MICON	
	IC401	BA15218F-W	IC	ADDER	
	IC501	8H3852S	IC	VOL&TONE	
	IC603	BA15218F-W	IC	H.P AMP	
	IC831	BA15218F-W	IC	HIGH CONT. AMP	
	IC901	MN171603NA1	IC	SYSTEM MICON	
	IC902	IC-PT9131-T	IC	RESET IC	
	IC903	GP1U281X	IR DETECT UNIT	REM DET	
	J4301	GNS0047-001	JACK	AUX	
	J6301	GNS0072-001	HEADPHONE JACK		
	K9001	QOR0779-0012	INDUCTOR	<- B4520	
	K9003	QOR0779-0012	INDUCTOR		
	L4351	QOR0779-0012	INDUCTOR		
	L4352	QOR0779-0012	INDUCTOR		
	L4353	QLO1BK-1002	INDUCTOR		
	L4354	QOR0779-0012	INDUCTOR		
	L9001	QLO1BK-1002	INDUCTOR		
	L9002	QLO1BK-1002	INDUCTOR		
	PL 1	QLL0043-001	LAMP		
	Q2501	DTA124XKA-X	CHIP D.T.R.-C.M		
	Q2502	2SC2412K/R/-X	TRANSISTOR		
	Q2503	2SC2412K/R/-X	TRANSISTOR		
	Q2504	DTA144TKA-X	TRANSISTOR		
	Q2505	DTA143TKA-X	TRANSISTOR		
	Q3361	2SA1037AK/RS/-X	CHIP TR.-C.M		
	Q3362	2SC2412K/R/-X	TRANSISTOR		
	Q3571	2SB8247/-X	TRANSISTOR		
	Q3572	2SC2412K/R/-X	TRANSISTOR		
	Q3791	2SC2412K/R/-X	TRANSISTOR		
	Q4101	2SD5964/-X	TRANSISTOR		
	Q4102	2SD5964/-X	TRANSISTOR		
	Q4201	2SD5964/-X	TRANSISTOR		
	Q4301	2SC2412K/R/-X	TRANSISTOR		
	Q5101	2SK501/R/-T	JUNCTION FET		
	Q5201	2SK501/R/-T	JUNCTION FET		
	Q6150	2SD5964/-X	TRANSISTOR		
	Q6151	2SD5964/-X	TRANSISTOR		
	Q6250	2SD5964/-X	TRANSISTOR		
	Q6251	2SD5964/-X	TRANSISTOR		
	Q6350	DTA114EKA-X	TRANSISTOR		
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q6351	DTA114EKA-X	DIGITAL-TR		
	Q8351	2SA1037AK/RS/-X	CHIP TR.-C.M		
	Q8352	2SA1037AK/RS/-X	CHIP TR.-C.M		
	Q8353	2SC2412K/R/-X	TRANSISTOR		
	Q8354	DTA114EKA-X	TRANSISTOR		
	Q9001	2SC2714/O/-X	TRANSISTOR	MAIN CLOCK	
	Q9002	2SC2714/O/-X	TRANSISTOR	MAIN CLOCK	
	Q9003	2SC2412K/R/-X	TRANSISTOR		
	Q9006	2SA1037AK/RS/-X	CHIP TR.-C.M		
	Q9010	DTA114TKA-X	TRANSISTOR		
	Q9011	DTA114TKA-X	TRANSISTOR		
	Q9012	2SC2412K/R/-X	TRANSISTOR		
	Q9013	2SC2412K/R/-X	TRANSISTOR		
	Q9014	DTA114EKA-X	TRANSISTOR		
	R2501	NRS181J-271X	MG RESISTOR	270 5% 1/8W	
	R2504	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R2505	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R2506	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
	R2507	NRSA02J-151X	MG RESISTOR	150 5% 1/10W	
	R2508	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
	R2509	NRSA02J-271X	MG RESISTOR	270 5% 1/10W	
	R2510	NRSA02J-391X	MG RESISTOR	390 5% 1/10W	
	R2511	NRSA02J-561X	RES. C.M	560 5% 1/10W	
	R2512	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R2513	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W	
	R2514	NRS181J-391X	MG RESISTOR	390 5% 1/8W	
	R2515	NRS181J-471X	MG RESISTOR	470 5% 1/8W	
	R2516	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R2517	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R2518	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R2519	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R2520	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R2521	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R3361	NRSA02J-390X	MG RESISTOR	39 5% 1/10W	
	R3362	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R3563	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R3571	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R3572	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R3573	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R3574	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R3575	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R3791	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R3792	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R3793	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R3794	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
	R4141	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R4142	NRSA02J-303X	RES. C.M	30K 5% 1/10W	
	R4143	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R4144	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4145	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R4149	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R4150	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R4151	NRSA02J-154X	RES. C.M	150K 5% 1/10W	
	R4153	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4155	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	

BLOCK NO. 03IIIIII						BLOCK NO. 03IIIIII					
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R4158	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W			R6261	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R4159	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W			R6335	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
	R4160	NRSA02J-821X	MG RESISTOR	820 5% 1/10W			R6350	NRSA02J-121X	MG RESISTOR	120 5% 1/10W	
	R4161	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W			R6351	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R4241	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W			R6353	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4242	NRSA02J-303X	RES. C.M	30K 5% 1/10W			R6354	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R4243	NRSA02J-224X	RES. C.M	220K 5% 1/10W			R8351	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
	R4244	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W			R8352	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
	R4245	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W			R8353	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R4249	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W			R8354	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R4250	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W			R8355	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
	R4251	NRSA02J-154X	RES. C.M	150K 5% 1/10W			R8356	NRSA02J-124X	MG RESISTOR	120K 5% 1/10W	
	R4253	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W			R8357	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R4255	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W			R8358	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W	
	R4258	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W			R8359	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R4259	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W			R8360	NRSA02J-682X	MG RESISTOR	8.2K 5% 1/10W	
	R4260	NRSA02J-821X	MG RESISTOR	820 5% 1/10W			R8361	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4261	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W			R8362	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R4301	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W			R8363	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R4341	NRSA02J-103X	RES. C.M	10K 5% 1/10W			R8364	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R4342	NRSA02J-103X	RES. C.M	10K 5% 1/10W			R8365	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R4343	NRSA02J-101X	MG RESISTOR	100 5% 1/10W			R8366	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R5101	NRSA02J-223X	RES. C.M	22K 5% 1/10W			R8367	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
	R5102	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W			R8368	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R5104	NRSA02J-224X	RES. C.M	220K 5% 1/10W			R8369	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
	R5201	NRSA02J-223X	RES. C.M	22K 5% 1/10W			R8370	NRSA02J-273X	MG RESISTOR	2.7M 5% 1/10W	
	R5202	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W			R8371	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R5204	NRSA02J-224X	RES. C.M	220K 5% 1/10W			R8372	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R5301	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W			R9001	NRSA02J-681X	MG RESISTOR	680 5% 1/10W	
	R5302	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W			R9002	NRSA02J-681X	MG RESISTOR	680 5% 1/10W	
	R5303	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W			R9003	NRSA02J-223X	MG RESISTOR	2.2K 5% 1/10W	
	R5304	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W			R9004	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R5305	NRSA02J-101X	MG RESISTOR	100 5% 1/10W			R9005	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R5306	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W			R9006	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
	R5307	NRSA02J-475X	MG RESISTOR	4.7M 5% 1/10W			R9007	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R5308	NRSA02J-134X	RES. C.M	150K 5% 1/10W			R9009	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6150	NRSA02J-223X	RES. C.M	22K 5% 1/10W			R9010	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6151	NRSA02J-223X	RES. C.M	22K 5% 1/10W			R9011	NRSA02J-223X	MG RESISTOR	2.2K 5% 1/10W	
	R6152	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W			R9012	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R6153	NRSA02J-220X	MG RESISTOR	22 5% 1/10W			R9013	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R6154	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W			R9014	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6155	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W			R9015	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R6157	NRSA02J-103X	RES. C.M	10K 5% 1/10W			R9016	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
	R6158	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W			R9017	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R6160	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W			R9018	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R6161	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W			R9019	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R6250	NRSA02J-223X	RES. C.M	22K 5% 1/10W			R9020	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R6251	NRSA02J-223X	RES. C.M	22K 5% 1/10W			R9021	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
	R6252	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W			R9022	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R6253	NRSA02J-220X	MG RESISTOR	22 5% 1/10W			R9023	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6254	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W			R9024	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6255	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W			R9025	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6257	NRSA02J-103X	RES. C.M	10K 5% 1/10W			R9026	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
	R6258	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W			R9027	NRSA02J-153X	RES. C.M	10K 5% 1/10W	
	R6260	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W			R9028	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	

BLOCK NO. 03

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9029	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9030	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9031	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9032	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9033	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9035	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9036	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9037	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9038	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9039	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9041	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9042	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9044	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9045	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9046	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
R9047	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9048	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9049	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9050	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9051	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9052	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9053	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9054	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9055	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9056	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9057	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9059	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9061	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9062	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9063	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9065	NRSA02J-563X	RES. C.M	56K 5% 1/10W	
R9066	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9067	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R9068	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R9069	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9070	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9071	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9072	NRSA02J-823X	MG RESISTOR	82K 5% 1/10W	
R9073	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9074	NRSA02J-103X	RES. C.M	1.0K 5% 1/10W	
R9075	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9076	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9077	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R9078	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
R9079	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9080	NRSA02J-243X	MG RESISTOR	24K 5% 1/10W	
R9081	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R9082	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R9083	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9084	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9085	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R9086	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9087	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9088	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R9089	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	

BLOCK NO. 03

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9092	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9093	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R9094	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9095	NRSA02J-103X	RES. C.M	10K 5% 1/10W	UY
R9096	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	UY
R9096	NRSA02J-423X	MG RESISTOR	62K 5% 1/10W	UT,UX
R9096	NRSA02J-623X	MG RESISTOR	62K 5% 1/10W	U,UB,US
R9097	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R9098	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9099	NRSA02J-823X	MG RESISTOR	82K 5% 1/10W	UY
R9099	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	UT,UX
R9099	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	U,UB,US
R9301	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9302	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R9303	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9304	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R9305	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
S2501	QSW0622-0012	TACT SWITCH		
S2502	QSW0622-0012	TACT SWITCH		
S2503	QSW0622-0012	TACT SWITCH		
S2504	QSW0622-0012	TACT SWITCH		
S2505	QSW0622-0012	TACT SWITCH		
S2506	QSW0622-0012	TACT SWITCH		
S2507	QSW0622-0012	TACT SWITCH		
S2508	QSW0622-0012	TACT SWITCH		
S2509	QSW0622-0012	TACT SWITCH		
S2510	QSW0622-0012	TACT SWITCH		
S2512	QSW0622-0012	TACT SWITCH		
S2513	QSW0622-0012	TACT SWITCH		
S2521	QSW0122-001	PUSH SWITCH		
VR901	QSW0626-001	R ENCODER		
VR902	QSW0626-001	R ENCODER		
X9001	QAX0401-001	CRYSTAL	SUB CLOCK	
X9002	QAX0410-0012	CERA LOCK	MAIN CLOCK	

■ Power Supply & Power Amplifier P.C.B.
(B/E/EN/EE/EV)

BLOCK NO. 04				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
BP 1	QGR0757-001Z	P FILTER		EE, EV
BP 1	QGR0768-001Z	P FILTER		B, E, EN
C 3	QCSB1HK-68Y	C CAPACITOR	6.8PF 10% 50V	B, E, EN
C 3	QCSB1HK-2R2Y	CER. CAPACITOR-S	2.2PF 10% 50V	EE, EV
C 6	QDYB1CM-103Y	C CAPACITOR		
C 7	QCS11HJ-200	C CAPACITOR	20PF 5% 50V	B, E, EN
C 7	QCSB1HJ-680Y	AL E. CAPACITOR	68PF 5% 50V	EE, EV
C 9	QCSB1HK-3R9Y	C CAPACITOR	3.9PF 10% 50V	EE, EV
C 9	QCS11HJ-120	C CAPACITOR	12PF 5% 50V	B, E, EN
C 13	QDX31EM-223Z	C CAPACITOR		B, E, EN
C 13	QDX31EM-473Z	C CAPACITOR		EE, EV
C 16	QDYB1CM-103Y	C CAPACITOR		
C 21	QDX11EM-473Z	C CAPACITOR		
C 22	QFP41HJ-451	PP CAPACITOR	430PF 5% 50V	
C 23	QDCB1HJ-120Y	C CAPACITOR		
C 24	QCSB1HJ-620Y	C CAPACITOR	62PF 5% 50V	
C 25	QETC1HM-104Z	E CAPACITOR	.10MF 20% 50V	
C 26	QPS1HJ-181Z	PP CAPACITOR	180PF 5% 50V	
C 27	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
C 28	QCS11HJ-150	C CAPACITOR	15PF 5% 50V	
C 31	QDGB1HK-102Y	C CAPACITOR		
C 32	QDYB1CM-103Y	C CAPACITOR		
C 33	QET41AM-107	E CAPACITOR	100MF 20% 10V	
C 35	QDYB1CM-103Y	C CAPACITOR		
C 36	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C 37	QDGB1HK-102Y	C CAPACITOR		
C 40	QET41CM-105	E CAPACITOR	1.0MF 20% 50V	
C 41	QET41CM-106	E CAPACITOR	10MF 20% 16V	
C 42	QDX11EM-473Z	C CAPACITOR		
C 44	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C 45	QET41HM-474	E CAPACITOR	.47MF 20% 50V	
C 47	QDX31EM-123Z	C CAPACITOR		
C 48	QDX31EM-123Z	C CAPACITOR		
C 49	QETN1HM-104Z	E CAPACITOR	.10MF 20% 50V	
C 50	QETN1HM-104Z	E CAPACITOR	.10MF 20% 50V	
C 51	QDGB1HK-681Y	C CAPACITOR		
C 52	QDGB1HK-102Y	C CAPACITOR		
C 56	QDGB1HK-102Y	C CAPACITOR		
C 60	QDGB1HK-102Y	C CAPACITOR		
C 61	QET41AM-107	E CAPACITOR	100MF 20% 10V	
C 62	QDCB1HJ-120Y	C CAPACITOR		
C 63	QDGB1HK-102Y	C CAPACITOR		
C 64	QDCB1HJ-120Y	C CAPACITOR		
C 65	QDGB1HK-102Y	C CAPACITOR		
C 66	QCSB1HK-151Y	C CAPACITOR	150PF 10% 50V	
C 69	QDXB1CM-222Y	C CAPACITOR		
C 70	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
C 71	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V	
C 77	QDGB1HK-102Y	C CAPACITOR		
CF 1	QAX0403-001	C FILTER		
CF 3	QAX0404-001Z	C FILTER		
CF 4	QAX0409-001	CERA LOCK		
CN 1	QGF1205C1-09	CONNECTOR	TO MAIN	
CN191	QGA2501C4-09	CONNECTOR		
CN192	QGB2501K1-04	CONNECTOR		

BLOCK NO. 04				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CN193	QGA2501C4-05	CONNECTOR		
CN194	QGA7901C1-02	CONNECTOR		
CN195	QGA3901C1-02	CONNECTOR		
CN601	QGF1205F1-13	CONNECTOR		
CN602	QGF1205F1-13	CONNECTOR		
CN603	QGB1214K1-10S	CONNECTOR		
CN604	QGB1214J1-10S	CONNECTOR		
C1901	QFLM1HJ-683Z	M CAPACITOR	.068MF 5% 50V	
C1902	QFLM1HJ-683Z	M CAPACITOR	.068MF 5% 50V	
C1903	QFLM1HJ-683Z	M CAPACITOR	.068MF 5% 50V	
C1904	QFLM1HJ-683Z	M CAPACITOR	.068MF 5% 50V	
C191	QETN1HM-475Z	AL E. CAPACITOR	4.7MF 20% 50V	
C3192	QET41EM-107	E CAPACITOR	100MF 20% 25V	
C3193	QCSB1HK-101Y	C CAPACITOR	100PF 10% 50V	
C3194	QET41EM-107	E CAPACITOR	100MF 20% 25V	
C3301	QDYB1CM-103Y	C CAPACITOR		
C3302	QCSB1HK-221Y	C CAPACITOR	220PF 10% 50V	
C3303	QET41CM-107	E CAPACITOR	100MF 20% 16V	
C3491	QDYB1CM-103Y	C CAPACITOR		
C3492	QCSB1HK-221Y	C CAPACITOR	220PF 10% 50V	
C3493	QET41CM-107	E CAPACITOR	100MF 20% 16V	
C3901	QET41AM-107	E CAPACITOR	100MF 20% 10V	
C3902	QDX31EM-104Z	C CAPACITOR		
C5308	QER61HM-474Z	E CAPACITOR	.47MF 20% 50V	
C6101	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
C6102	QCSB1HK-151Y	C CAPACITOR	150PF 10% 50V	
C6103	QET41EM-107	E CAPACITOR	100MF 20% 25V	
C6104	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
C6105	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C6107	QET41EM-108	E CAPACITOR	1000MF 20% 25V	
C6150	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
C6151	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C6152	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C6153	QER41AM-107	E CAPACITOR	100MF 20% 10V	
C6201	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
C6202	QCSB1HK-151Y	C CAPACITOR	150PF 10% 50V	
C6203	QET41EM-107	E CAPACITOR	100MF 20% 25V	
C6204	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
C6205	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C6206	QET41EM-108	E CAPACITOR	1000MF 20% 25V	
C6207	QTE1V06-226Z	E CAPACITOR		
C6250	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
C6251	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C6252	NC521HJ-151X	C CAPACITOR	150PF 5% 50V	
C6253	QER41AM-107	E CAPACITOR	100MF 20% 10V	
C6301	QET41EM-227	E CAPACITOR	220MF 20% 25V	
C6302	QET41EM-106	E CAPACITOR	10MF 20% 25V	
C6303	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
C6304	QFV41HJ-154Z	TF CAPACITOR	.15MF 5% 50V	
C6305	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C6306	QET41AM-227	E CAPACITOR	220MF 20% 10V	
C6307	QET41EM-106	E CAPACITOR	10MF 20% 25V	
C6308	QET41HM-474	E CAPACITOR	.47MF 20% 50V	
C6309	QET41HM-474	E CAPACITOR	.47MF 20% 50V	

BLOCK NO. 04

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
A	D1902	6A10E2	SI DIODE		
	D3191	1SS254-T2	SI DIODE		
	D3192	MTZJ7.5A-T2	Z-DIODE		
	D3193	RB100A	DIODE		
	D3194	MTZJ7.5A-T2	Z-DIODE		
	D3195	1SS254-T2	SI DIODE		
	D3196	1SS254-T2	SI DIODE		
	D3301	1SS254-T2	SI DIODE		
	D3302	MTZJ9.1A-T2	ZENER DIODE		
	D3491	1SS254-T2	SI DIODE		
	D3492	MTZJ9.1A-T2	ZENER DIODE		
	D3493	1SS254-T2	SI DIODE		
	D3901	MTZJ8.2B-T2	DIODE		
	D6301	1SS254-T2	SI DIODE		
	D6302	1SS254-T2	SI DIODE		
	D6303	1SS254-T2	SI DIODE		
	D6304	1SS254-T2	SI DIODE		
	D7301	1SS254-T2	SI DIODE		
	D7302	1SS254-T2	SI DIODE		
	D7303	1SS254-T2	SI DIODE		
A	D7304	1SS254-T2	SI DIODE		
	D7305	1SS254-T2	SI DIODE		
	D7306	1SS254-T2	SI DIODE		
	D7307	MTZJ4.3B-T2	ZENER DIODE		
	D8301	MTZJ6.3B-T2	ZENER DIODE		
	IC 2	TA2008AN	IC		
	IC 3	LC72136N	IC	WOOFER	
	IC301	TA8233H	IC	US6V	
	IC390	TA78DL06S	IC	FULL RANGE	
	IC601	TA8223K	IC		
	IC701	BA15218N	IC		
	IC702	BA15218N	IC		
	IC703	BA15218N	IC		
	IC704	BA15218N	IC		
	IC801	BA15218N	IC	BB AMP	
	J1901	QNC0042-001	AC SOCKET		
	J1902	QNA0016-001	DC JACK		EE, EV
	L 1	QQR0773-001	OSC COIL	FM OSC	B, E, EN
	L 2	QQR0772-001	OSC COIL	FM OSC	B, E, EN
	L 3	QQR0769-001	RF COIL	FM RF	EE, EV
A	L 4	QQR0781-001	RF COIL	FM RF	
	L 5	QQR0771-001	BAR ANTENNA	MW RF	
	L 6	QQR0723-001	OSC COIL(MW)	MW OSC	
	L 7	QQR0774-001	BUS WIRE		
	L 8	QQR0774-001	OSC COIL(LW)	LW OSC	
	L 9	QQL231K-221Y	INDUCTOR		
	L 10	QQR0756-001	INDUCTOR		
	L1191	QQL28AK-101	CHOKE COIL		
	Q 2	2SC2668/O-T	TRANSISTOR	LW	
	Q 3	2SC2668/O-T	TRANSISTOR		
	Q 4	2SA1175/HFE/-T	TRANSISTOR		
	Q 5	2SC2668/O-T	TRANSISTOR		
	Q 6	2SC2668/O-T	TRANSISTOR		
	Q 14	DTA114YSA-T	D.TR.1-M		
	Q3191	DTA143TSA-T	D.TR.1-M		
A	C6310	QCB81HK-101Y	C CAPACITOR	100PF 10% 50V	
	C6311	QET41CM-106	E CAPACITOR	10MF 20% 16V	
	C6312	QET41EM-227	E CAPACITOR	220MF 20% 25V	
	C6313	QCB81HK-101Y	C CAPACITOR	100PF 10% 50V	
	C6314	QFV41HJ-104	TF CAPACITOR	100MF 5% 50V	
	C6315	QETM1EM-688	E CAPACITOR	6800MF 20% 25V	
	C6316	QFV41HJ-104	TF CAPACITOR	10MF 5% 50V	
	C6317	QFV41HJ-104	TF CAPACITOR	10MF 5% 50V	
	C6318	QFV41HJ-104	TF CAPACITOR	10MF 5% 50V	
	C6319	QFV41HJ-104	TF CAPACITOR	10MF 5% 50V	
	C6320	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C6321	QET41CM-106	E CAPACITOR	10MF 20% 16V	
	C6350	QEXC1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C6351	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C7301	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C7302	QET41HM-474	E CAPACITOR	47MF 20% 50V	
	C7303	QCSB1HK-3R3Y	C CAPACITOR	3.3PF 10% 50V	
	C7305	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C7306	QFV41HJ-274Z	TF CAPACITOR	27MF 5% 50V	
	C7307	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C7308	QFLM1HJ-103Z	M CAPACITOR	0.10MF 5% 50V	
	C7309	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C7310	QFLM1HJ-153Z	M CAPACITOR	0.015MF 5% 50V	
	C7311	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C7312	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C7313	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C7314	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C7316	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C7317	QFV41HJ-104	TF CAPACITOR	10MF 5% 50V	
	C7318	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C7319	QFV41HJ-104	TF CAPACITOR	10MF 5% 50V	
	C7320	QFLM1HJ-393Z	M CAPACITOR	0.039MF 5% 50V	
	C7321	QFV41HJ-154Z	TF CAPACITOR	15MF 5% 50V	
	C7322	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C7323	QET41CM-106	E CAPACITOR	10MF 20% 16V	
	C7324	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C8101	QFLM1HJ-563Z	M CAPACITOR	0.056MF 5% 50V	
	C8102	QFLM1HJ-563Z	M CAPACITOR	0.056MF 5% 50V	
	C8103	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C8201	QFLM1HJ-563Z	M CAPACITOR	0.056MF 5% 50V	
	C8202	QFLM1HJ-563Z	M CAPACITOR	0.056MF 5% 50V	
	C8203	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C8301	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C8303	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C8322	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	D 1	SVC203SPA-JV-T	VARI CAP		B, E, EN
	D 2	KV1370N-T	VARI-CAP DIODE		EE, EV
	D 3	SVC203SPA-JV-T	VARI CAP		EE, EV
	D 4	1SS254-T2	SI DIODE		B, E, EN
	D 5	1SS254-T2	SI DIODE		
	D 6	1SS254-T2	SI DIODE		
	D 8	SVC344-T	VARI CAP		
	D 10	SVC344-T	VARI CAP		
	D 12	DSK10C-T1	DIODE		
	D1901	D5SBA20-S1	SI DIODE		

BLOCK NO. 04				BLOCK NO. 04			
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX		
	R 33	GRE141J-101Y	C RESISTOR	100 5% 1/4W			
	R 34	GRE141J-183Y	C RESISTOR	18K 5% 1/4W			
	R 35	GRE141J-183Y	C RESISTOR	18K 5% 1/4W			
	R 36	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 37	GRE141J-560Y	C RESISTOR	56 5% 1/4W			
	R 40	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 41	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 42	GRE141J-473Y	C RESISTOR	47K 5% 1/4W			
	R 44	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 45	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 46	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R 47	GRE141J-471Y	C RESISTOR	470 5% 1/4W			
	R 48	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 51	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 52	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R 54	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 55	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 56	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W			
	R 57	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 59	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 60	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 61	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 64	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R1901	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R3191	GRE141J-2R2Y	C RESISTOR	2.2 5% 1/4W			
	R3192	GRE141J-152Y	C RESISTOR	1.5K 5% 1/4W			
	R3193	GRE141J-104Y	C RESISTOR	100K 5% 1/4W			
	R3194	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R3195	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R3196	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R3197	GAD0015-153Z	THERMISTOR				
	R3198	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R3199	GRE141J-473Y	C RESISTOR	47K 5% 1/4W			
	R3200	GRE141J-123Y	C RESISTOR	12K 5% 1/4W			
	R3201	GRE141J-152Y	C RESISTOR	1.5K 5% 1/4W			
	R3202	GRE141J-152Y	C RESISTOR	1.5K 5% 1/4W			
	R3203	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R3204	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R3301	GRE141J-471Y	C RESISTOR	470 5% 1/4W			
	R3302	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W			
	R3303	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W			
	R3304	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W			
	R3305	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R3306	GRE141J-682Y	C RESISTOR	6.8K 5% 1/4W			
	R3307	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R3308	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R3309	GRE141J-681Y	C RESISTOR	680 5% 1/4W			
	R3310	GRE141J-681Y	C RESISTOR	680 5% 1/4W			
	R3311	GRE141J-681Y	C RESISTOR	680 5% 1/4W			
	R3312	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R3313	GRE141J-471Y	C RESISTOR	470 5% 1/4W			
	R3314	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W			
	R3315	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R3316	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R3491	GRE141J-471Y	C RESISTOR	470 5% 1/4W			

BLOCK NO. 04				BLOCK NO. 04			
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX		
	Q3192	2SA1359/OY/-T	TRANSISTOR				
	Q3193	DTA114TSA-T	D.TR-I.M				
	Q3194	2SC2785/FE/-T	TRANSISTOR				
	Q3195	2SA1175/HFE/-T	TRANSISTOR				
	Q3196	2SA934/QR/-T	TR-I/M				
	Q3197	2SC2785/FE/-T	TRANSISTOR				
	Q3198	DTA114TSA-T	D.TR-I.M				
	Q3301	2SA1175/HFE/-T	TRANSISTOR				
	Q3302	2SA1359/OY/-T	TRANSISTOR				
	Q3303	DTA144TSA-T	D.TRANSISTOR				
	Q3304	DTA144TSA-T	D.TRANSISTOR				
	Q3305	2SC2785/FE/-T	TRANSISTOR				
	Q3306	2SC2785/FE/-T	TRANSISTOR				
	Q3491	2SA1175/HFE/-T	TRANSISTOR				
	Q3492	2SB1565/FE/-T	TRANSISTOR				
	Q3493	DTA144TSA-T	D.TRANSISTOR				
	Q3494	DTA144TSA-T	D.TRANSISTOR				
	Q3495	2SC2785/FE/-T	TRANSISTOR				
	Q3496	2SC2785/FE/-T	TRANSISTOR				
	Q6101	2SC2001/LK/-T	TRANSISTOR				
	Q6201	2SC2001/LK/-T	TRANSISTOR				
	Q6301	2SA952/LK/-T	TRANSISTOR				
	Q6302	2SC2785/FE/-T	TRANSISTOR				
	Q6303	DTA114ESA-T	D.TRANSISTOR				
	Q6304	2SC2001/LK/-T	TRANSISTOR				
	Q6305	DTA114ESA-T	D.TRANSISTOR				
	Q6306	DTA114ESA-T	D.TRANSISTOR				
	Q6307	DTA114ESA-T	D.TRANSISTOR				
	Q6308	DTA114ESA-T	D.TRANSISTOR				
	Q7301	2SC2785/FE/-T	TRANSISTOR				
	Q7302	2SC2785/FE/-T	TRANSISTOR				
	Q7303	2SK105/VEF/-T	FET I/M				
	Q8101	2SC2785/FE/-T	TRANSISTOR				
	Q8201	2SC2785/FE/-T	TRANSISTOR				
	R 1	GRE141J-104Y	C RESISTOR	100K 5% 1/4W			
	R 2	GRE141J-473Y	C RESISTOR	47K 5% 1/4W			
	R 3	GRE141J-270Y	C RESISTOR	27 5% 1/4W			
	R 3	GRE141J-4R7Y	C RESISTOR	4.7 5% 1/4W			
	R 7	GRE141J-104Y	C RESISTOR	100K 5% 1/4W			
	R 9	GRE141J-103Y	CARBON RESISTOR	10K 5% 1/4W	EE,EV B,E,EN		
	R 9	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	EE,EV B,E,EN		
	R 12	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R 13	GRE141J-104Y	C RESISTOR	100K 5% 1/4W			
	R 14	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R 15	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 16	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W			
	R 17	GRE141J-104Y	C RESISTOR	100K 5% 1/4W			
	R 18	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 19	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W			
	R 20	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W			
	R 21	GRE141J-103Y	C RESISTOR	10K 5% 1/4W			
	R 23	QV150-050Y	BUS WIRE				
	R 28	GRE141J-512Y	C RESISTOR	5.1K 5% 1/4W			
	R 30	GRE141J-104Y	C RESISTOR	100K 5% 1/4W			
	R 31	GRE141J-123Y	C RESISTOR	12K 5% 1/4W			

BLOCK NO. 094

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R3492	0RE141J-1R0Y	C RESISTOR	1.0 5% 1/4W		
R3493	0RE141J-1R0Y	C RESISTOR	1.0 5% 1/4W		
R3494	0RE141J-1R0Y	C RESISTOR	1.0 5% 1/4W		
R3495	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W		
R3496	0RE141J-682Y	C RESISTOR	6.8K 5% 1/4W		
R3497	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R3498	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W		
R3499	0RE141J-681Y	C RESISTOR	680 5% 1/4W		
R3500	0RE141J-681Y	C RESISTOR	680 5% 1/4W		
R3501	0RE141J-681Y	C RESISTOR	680 5% 1/4W		
R3502	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W		
R3503	0RE141J-471Y	C RESISTOR	470 5% 1/4W		
R3504	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R3505	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W		
R3506	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W		
R3507	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R3508	0RE141J-682Y	C RESISTOR	6.8K 5% 1/4W		
R3901	0R79006-4R7X	F RESISTOR	4.7 1/0W		
R5107	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R5207	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R6101	0RE141J-273Y	C RESISTOR	27K 5% 1/4W		
R6102	0RE141J-121Y	C RESISTOR	120 5% 1/4W		
R6103	0RE141J-121Y	C RESISTOR	12K 5% 1/4W		
R6104	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W		
R6105	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W		
R6201	0RE141J-273Y	C RESISTOR	27K 5% 1/4W		
R6202	0RE141J-121Y	C RESISTOR	120 5% 1/4W		
R6203	0RE141J-123Y	C RESISTOR	12K 5% 1/4W		
R6204	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W		
R6205	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W		
R6301	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R6302	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W		
R6303	0RE141J-562Y	C RESISTOR	5.6K 5% 1/4W		
R6304	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R6305	0RE141J-622Y	C RESISTOR	6.2K 5% 1/4W		
R6306	0RE141J-182Y	C RESISTOR	1.8K 5% 1/4W		
R6307	0RE141J-153Y	C RESISTOR	15K 5% 1/4W		
R6308	0RE141J-153Y	C RESISTOR	15K 5% 1/4W		
R6309	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W		
R6310	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R6311	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R6312	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R6313	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R6314	0RE141J-391Y	C RESISTOR	390 5% 1/4W		
R6315	0RE141J-224Y	C RESISTOR	220K 5% 1/4W		
R6316	0RE141J-391Y	C RESISTOR	390 5% 1/4W		
R6317	0RE141J-473Y	C RESISTOR	47K 5% 1/4W		
R6318	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W		
R6319	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W		
R6320	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W		
R6321	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W		
R6322	0RE141J-123Y	C RESISTOR	12K 5% 1/4W		
R6323	0RE141J-153Y	C RESISTOR	15K 5% 1/4W		
R7301	0RE141J-473Y	C RESISTOR	47K 5% 1/4W		
R7303	0RE141J-101Y	C RESISTOR	100 5% 1/4W		

BLOCK NO. 095

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R7305	0RE141J-224Y	C RESISTOR	220K 5% 1/4W		
R7307	0RE141J-394Y	C RESISTOR	390K 5% 1/4W		
R7308	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R7309	0RE141J-333Y	C RESISTOR	33K 5% 1/4W		
R7310	0RE141J-101Y	C RESISTOR	100 5% 1/4W		
R7311	0RE141J-134Y	C RESISTOR	180K 5% 1/4W		
R7312	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R7313	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R7314	0RE141J-273Y	C RESISTOR	27K 5% 1/4W		
R7316	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R7317	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R7318	0RE141J-101Y	C RESISTOR	100 5% 1/4W		
R7319	0RE141J-102Y	C RESISTOR	2.0K 5% 1/4W		
R7320	0RE141J-221Y	C RESISTOR	220 5% 1/4W		
R7321	0RE141J-224Y	C RESISTOR	220K 5% 1/4W		
R7322	0RE141J-563Y	C RESISTOR	56K 5% 1/4W		
R7323	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R7324	0RE141J-103Y	C RESISTOR	10K 5% 1/4W		
R7325	0RE141J-103Y	C RESISTOR	10K 5% 1/4W		
R7326	0RE141J-153Y	C RESISTOR	15K 5% 1/4W		
R7327	0RE141J-103Y	C RESISTOR	1.0K 5% 1/4W		
R7328	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R7329	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R7330	0RE141J-392Y	C RESISTOR	3.9K 5% 1/4W		
R7331	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W		
R7332	0RE141J-101Y	C RESISTOR	100 5% 1/4W		
R7333	0RE141J-273Y	C RESISTOR	27K 5% 1/4W		
R7334	0RE141J-243Y	C RESISTOR	24K 5% 1/4W		
R7336	0RE141J-243Y	C RESISTOR	24K 5% 1/4W		
R7338	0RE141J-823Y	C RESISTOR	82K 5% 1/4W		
R7339	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W		
R7341	0RE141J-473Y	C RESISTOR	47K 5% 1/4W		
R7342	0RE141J-333Y	C RESISTOR	33K 5% 1/4W		
R7343	0RE141J-103Y	C RESISTOR	10K 5% 1/4W		
R7344	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R8101	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R8102	0RE141J-392Y	C RESISTOR	3.9K 5% 1/4W		
R8103	0RE141J-562Y	C RESISTOR	5.6K 5% 1/4W		
R8104	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R8105	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R8107	0RE141J-103Y	C RESISTOR	10K 5% 1/4W		
R8111	0RE141J-473Y	C RESISTOR	47K 5% 1/4W		
R8201	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R8202	0RE141J-272Y	C RESISTOR	2.7K 5% 1/4W		
R8203	0RE141J-392Y	C RESISTOR	3.9K 5% 1/4W		
R8204	0RE141J-104Y	C RESISTOR	100K 5% 1/4W		
R8205	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W		
R8207	0RE141J-103Y	C RESISTOR	10K 5% 1/4W		
R8211	0RE141J-473Y	C RESISTOR	47K 5% 1/4W		
R8301	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W		
R8302	0RE141J-474Y	C RESISTOR	470K 5% 1/4W		
R8321	0RE141J-101Y	C RESISTOR	100 5% 1/4W		
R8327	0RE141J-224Y	C RESISTOR	220K 5% 1/4W		
T 2	0R0719-001	IFT			
T 2	0AT3725-200Z	T CAPACITOR	MW RF		
TP 1	0NZ0104-001	T CAPACITOR	LW RF		
TP 2	0NZ0104-001	POST PIN	TO ROD ANT		
WC 1	07W0007-001	POST PIN	GND		
X 1	0AX0402-001	CRYSTAL			
A 21902	0NG0020-001Z	FUSE CLIP	FOR F1902		
A 21904	0NG0020-001Z	FUSE CLIP	FOR F1904		
A 21922	0NG0020-001Z	FUSE CLIP	FOR F1902		
A 21944	0NG0020-001Z	FUSE CLIP	FOR F1904		

■ Power Supply & Power Amplifier P.C.B. (J)

BLOCK NO. 05				
A	REF.	PARTS NO.	PARTS NAME	SUFFIX
	CN191	0GA2501C4-09	CONNECTOR	
	CN192	0GB2501K1-04	CONNECTOR	
	CN193	0GA2501C4-05	CONNECTOR	
	CN194	0GA7901C1-02	CONNECTOR	
	CN195	0GA3901C1-02	CONNECTOR	
	CN601	0GF1205F1-13	CONNECTOR	
	CN602	0GF1205F1-13	CONNECTOR	
	CN603	0GB1214K1-10S	CONNECTOR	
	CN604	0GB1214J1-10S	CONNECTOR	
	C1901	0FLM1HJ-6832	M CAPACITOR	
	C1902	0FLM1HJ-6832	M CAPACITOR	
	C1903	0FLM1HJ-6832	M CAPACITOR	
	C1904	0FLM1HJ-6832	M CAPACITOR	
	C3191	0ETN1HM-4752	E CAPACITOR	
	C3192	0ET41EM-107	E CAPACITOR	
	C3193	0CBB1HK-101Y	C CAPACITOR	
	C3194	0ET41EM-107	E CAPACITOR	
	C3301	0DYB1CM-103Y	C CAPACITOR	
	C3302	0CBB1HK-221Y	C CAPACITOR	
	C3303	0ET41CM-107	E CAPACITOR	
	C3491	0QYB1CM-103Y	C CAPACITOR	
	C3492	0CBB1HK-221Y	C CAPACITOR	
	C3493	0ET41CM-107	E CAPACITOR	
	C3901	0ET41AM-107	E CAPACITOR	
	C3902	0DX31EM-104Z	C CAPACITOR	
	C3908	0ER61HM-474Z	E CAPACITOR	
	C6101	0FV41HJ-224	TF CAPACITOR	
	C6102	0CBB1HK-151Y	C CAPACITOR	
	C6103	0ET41EN-107	E CAPACITOR	
	C6104	0FV41HJ-104	TF CAPACITOR	
	C6105	0ET41EM-107	E CAPACITOR	
	C6106	0ET41EM-108	E CAPACITOR	
	C6107	0ET1V06-226Z	E CAPACITOR	
	C6150	0ER41HM-105	E CAPACITOR	
	C6151	NCS21HJ-151X	C CAPACITOR	
	C6152	NCS21HJ-151X	C CAPACITOR	
	C6153	0ER41AM-107	E CAPACITOR	
	C6201	0FV41HJ-224	TF CAPACITOR	
	C6202	0CBB1HK-151Y	C CAPACITOR	
	C6203	0ET41EM-107	E CAPACITOR	
	C6204	0FV41HJ-104	TF CAPACITOR	
	C6205	0ET41EM-476	E CAPACITOR	
	C6206	0ET41EM-108	E CAPACITOR	
	C6207	0ET1V06-226Z	E CAPACITOR	
	C6250	0ER41HM-105	E CAPACITOR	
	C6251	NCS21HJ-151X	C CAPACITOR	
	C6252	NCS21HJ-151X	C CAPACITOR	
	C6253	0ER41AM-107	E CAPACITOR	
	C6301	0ET41EM-227	E CAPACITOR	
	C6302	0ET41EM-106	E CAPACITOR	
	C6303	0FV41HJ-104	TF CAPACITOR	
	C6304	0FV41HJ-154Z	TF CAPACITOR	
	C6305	0ET41HM-105	E CAPACITOR	
	C6306	0ET41AM-227	E CAPACITOR	
	C6307	0ET41EM-106	E CAPACITOR	

BLOCK NO. 05				
A	REF.	PARTS NO.	PARTS NAME	SUFFIX
	C6308	0ET41HM-474	E CAPACITOR	
	C6309	0ET41HM-474	E CAPACITOR	
	C6310	0CBB1HK-101Y	C CAPACITOR	
	C6311	0ET41CM-106	E CAPACITOR	
	C6312	0ET41EM-227	E CAPACITOR	
	C6313	0CBB1HK-101Y	C CAPACITOR	
	C6314	0FV41HJ-104	TF CAPACITOR	
	C6315	0ET1M1EM-688	E CAPACITOR	
	C6316	0FV41HJ-104	TF CAPACITOR	
	C6317	0FV41HJ-104	TF CAPACITOR	
	C6318	0FV41HJ-104	TF CAPACITOR	
	C6319	0FV41HJ-104	TF CAPACITOR	
	C6320	0ET41EM-106	E CAPACITOR	
	C6321	0ET41CM-106	E CAPACITOR	
	C6350	0ER41CM-107Z	E CAPACITOR	
	C6351	0ER41CM-476	E CAPACITOR	
	C7301	0ET41CM-107	E CAPACITOR	
	C7302	0ET41HM-474	E CAPACITOR	
	C7303	0CBB1HK-3R3Y	C CAPACITOR	
	C7305	0ET41HM-475	E CAPACITOR	
	C7306	0FV41HJ-274Z	TF CAPACITOR	
	C7307	0ET41HM-475	E CAPACITOR	
	C7308	0FLM1HJ-103Z	M CAPACITOR	
	C7309	0ET41CM-107	E CAPACITOR	
	C7310	0FLM1HJ-153Z	M CAPACITOR	
	C7311	0ET41HM-475	E CAPACITOR	
	C7312	0ET41HM-105	E CAPACITOR	
	C7313	0ET41HM-475	E CAPACITOR	
	C7314	0ET41CM-107	E CAPACITOR	
	C7316	0ET41HM-475	E CAPACITOR	
	C7317	0FV41HJ-104	TF CAPACITOR	
	C7318	0ET41CM-107	E CAPACITOR	
	C7319	0FV41HJ-104	TF CAPACITOR	
	C7320	0FLM1HJ-393Z	M CAPACITOR	
	C7321	0FV41HJ-154Z	TF CAPACITOR	
	C7322	0ER41HM-105	E CAPACITOR	
	C7323	0ET41CM-106	E CAPACITOR	
	C7324	0ET41HM-475	E CAPACITOR	
	C8101	0FLM1HJ-563Z	M CAPACITOR	
	C8102	0FLM1HJ-563Z	M CAPACITOR	
	C8103	0ET41EM-476	E CAPACITOR	
	C8201	0FLM1HJ-563Z	M CAPACITOR	
	C8202	0FLM1HJ-563Z	M CAPACITOR	
	C8203	0ET41EM-476	E CAPACITOR	
	C8301	0ET41CM-476	E CAPACITOR	
	C8303	0ET41HM-105	E CAPACITOR	
	C8322	0ET41CM-476	E CAPACITOR	
	D1901	D5SBA20-S1	SI DIODE	
	D1902	6A10E2	SI DIODE	
	D3191	1SS254-T2	SI DIODE	
	D3192	MTJ27-5A-T2	SI DIODE	
	D3193	RB100A	DIODE	
	D3194	MTJ27-5A-T2	SI DIODE	
	D3195	1SS254-T2	SI DIODE	
	D3196	1SS254-T2	SI DIODE	

BLOCK NO. 05

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D3301	1SS254-T2	SI DIODE		
	D3302	MT2J9-1A-T2	ZENER DIODE		
	D3491	1SS254-T2	SI DIODE		
	D3492	MT2J9-1A-T2	ZENER DIODE		
	D3493	1SS254-T2	SI DIODE		
	D3901	MT2J8-2B-T2	DIODE		
	D6301	1SS254-T2	SI DIODE		
	D6302	1SS254-T2	SI DIODE		
	D6303	1SS254-T2	SI DIODE		
	D6304	1SS254-T2	SI DIODE		
	D7301	1SS254-T2	SI DIODE		
	D7302	1SS254-T2	SI DIODE		
	D7303	1SS254-T2	SI DIODE		
	D7304	1SS254-T2	SI DIODE		
	D7305	1SS254-T2	SI DIODE		
	D7306	1SS254-T2	SI DIODE		
	D7307	MT2J4-3B-T2	ZENER DIODE		
	D8301	MT2J4-3B-T2	ZENER DIODE		
	A	IC301	TAB233H	WOOFER	
	A	IC390	TA78DLO6S	US6V	
	A	IC601	TA8223K	FULL RANGE	
	IC701	BA15218N	IC		
	IC702	BA15218N	IC		
	IC703	BA15218N	IC		
	IC704	BA15218N	IC		
	IC801	BA15218N	IC	BB AMP	
	J1901	GNC0043-001	AC SOCKET		
	J1902	GNA0016-001	DC JACK		
	L3191	QOL28AK-101	CHOKE COIL		
	A	Q3191	DTA143TA-T	D.T.R.I.M	
	A	Q3192	2SA1359/OV	TRANSISTOR	
	Q3193	DTA141SA-T	D.T.R.I.M		
	Q3194	2SC2785/FE/-T	TRANSISTOR		
	Q3195	2SA1175/HFE/-T	TRANSISTOR		
	Q3196	2SA934/9R/-T	TR I/M		
	A	Q3197	2SC2785/FE/-T	TRANSISTOR	
	Q3198	DTA141SA-T	D.T.R.I.M		
	Q3301	2SA1175/HFE/-T	TRANSISTOR		
	Q3302	2SA1359/OV	TRANSISTOR		
	A	Q3303	DTA144TA-T	D.T.R.I.M	
	Q3304	DTA144TA-T	D.T.R.I.M		
	Q3305	2SC2785/FE/-T	TRANSISTOR		
	Q3306	2SC2785/FE/-T	TRANSISTOR		
	Q3491	2SA1175/HFE/-T	TRANSISTOR		
	A	Q3492	2SB1565/FE/-T	TRANSISTOR	
	Q3493	DTA144TA-T	D.T.R.I.M		
	Q3494	DTA144TA-T	D.T.R.I.M		
	Q3495	2SC2785/FE/-T	TRANSISTOR		
	Q3496	2SC2785/FE/-T	TRANSISTOR		
	Q6101	2SC2001/LK/-T	TRANSISTOR		
	Q8201	2SC2001/LK/-T	TRANSISTOR		
	Q8301	2SA952/LK/-T	TRANSISTOR		
	Q8302	2SC2785/FE/-T	TRANSISTOR		
	Q8303	DTA144ESA-T	D.T.R.I.M		
	Q8304	2SC2001/LK/-T	TRANSISTOR		

BLOCK NO. 05

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q6305	DTA144ESA-T	D.T.R.I.M		
	Q6306	DTA144ESA-T	D.T.R.I.M		
	Q6307	DTA144ESA-T	D.T.R.I.M		
	Q6308	DTA144ESA-T	D.T.R.I.M		
	Q7301	2SC2785/FE/-T	TRANSISTOR		
	Q7302	2SC2785/FE/-T	TRANSISTOR		
	Q7303	2SK105/FE/-T	FET I/M		
	Q8101	2SC2785/FE/-T	TRANSISTOR		
	Q8201	2SC2785/FE/-T	TRANSISTOR		
	R1901	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3191	GRE141J-103Y	C RESISTOR	2.2K 5% 1/4W	
	R3192	GRE141J-103Y	C RESISTOR	1.5K 5% 1/4W	
	R3193	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R3194	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3195	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R3196	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3197	QAD0015-132Z	TERMISTOR		
	R3198	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3199	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R3200	GRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R3201	GRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R3202	GRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R3203	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3204	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R3301	GRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R3302	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R3303	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R3304	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R3305	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R3306	GRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R3307	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R3308	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R3309	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
	R3310	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
	R3311	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
	R3312	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3313	GRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R3314	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R3315	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3316	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3391	GRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R3492	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R3493	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R3494	GRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R3495	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R3496	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
	R3497	GRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R3498	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R3499	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R3500	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
	R3501	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
	R3502	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3503	GRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R3504	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R3505	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	

BLOCK NO. 05

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R3506	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3507	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R3508	0RE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R3509	0RE141J-5R6Y	C RESISTOR	5.6 5% 1/4W	
	R5107	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R5207	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R6101	0RE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R6102	0RE141J-121Y	C RESISTOR	120 5% 1/4W	
	R6103	0RE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R6104	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R6105	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R6201	0RE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R6202	0RE141J-121Y	C RESISTOR	120 5% 1/4W	
	R6203	0RE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R6204	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R6205	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R6301	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R6302	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R6303	0RE141J-562Y	C RESISTOR	5.6K 5% 1/4W	
	R6304	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R6305	0RE141J-62Y	C RESISTOR	6.2K 5% 1/4W	
	R6306	0RE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
	R6307	0RE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R6308	0RE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R6309	0RE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R6310	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R6311	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R6312	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R6313	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R6314	0RE141J-391Y	C RESISTOR	390 5% 1/4W	
	R6315	0RE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R6316	0RE141J-391Y	C RESISTOR	390 5% 1/4W	
	R6317	0RE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R6318	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R6319	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R6320	0RE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R6321	0RE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R6322	0RE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R6323	0RE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R6324	0RE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R7301	0RE141J-101Y	C RESISTOR	100 5% 1/4W	
	R7303	0RE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R7305	0RE141J-394Y	C RESISTOR	390K 5% 1/4W	
	R7308	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R7309	0RE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R7310	0RE141J-101Y	C RESISTOR	100 5% 1/4W	
	R7311	0RE141J-184Y	C RESISTOR	180K 5% 1/4W	
	R7312	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R7313	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R7314	0RE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R7316	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R7317	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R7318	0RE141J-101Y	C RESISTOR	100 5% 1/4W	
	R7319	0RE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R7320	0RE141J-221Y	C RESISTOR	220 5% 1/4W	

BLOCK NO. 05

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R7321	0RE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R7322	0RE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R7323	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R7324	0RE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R7325	0RE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R7326	0RE141J-133Y	C RESISTOR	15K 5% 1/4W	
	R7327	0RE141J-105Y	C RESISTOR	1.0M 5% 1/4W	
	R7328	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R7329	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R7330	0RE141J-32Y	C RESISTOR	3.9K 5% 1/4W	
	R7331	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R7332	0RE141J-101Y	C RESISTOR	100 5% 1/4W	
	R7333	0RE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R7334	0RE141J-243Y	C RESISTOR	24K 5% 1/4W	
	R7336	0RE141J-243Y	C RESISTOR	24K 5% 1/4W	
	R7338	0RE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R7339	0RE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R7341	0RE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R7342	0RE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R7343	0RE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R7344	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R8101	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R8102	0RE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R8103	0RE141J-392Y	C RESISTOR	3.9K 5% 1/4W	
	R8104	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R8105	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R8107	0RE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R8111	0RE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R8201	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R8202	0RE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R8203	0RE141J-392Y	C RESISTOR	3.9K 5% 1/4W	
	R8204	0RE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R8205	0RE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R8207	0RE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R8211	0RE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R8301	0RE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R8302	0RE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R8321	0RE141J-101Y	C RESISTOR	100 5% 1/4W	
	R8327	0RE141J-224Y	C RESISTOR	220K 5% 1/4W	
	TUBE	EXTG109-010	GLASS TUBE	FOR R3901	
	WC 1	Q2W0007-001	POST PIN		
	A 21904	QNG0020-001Z	FUSE CLIP	FOR F1904	
	A 21911	QNG0020-001Z	FUSE CLIP	FOR F1901	
	A 21922	QNG0020-001Z	FUSE CLIP	FOR F1902	
	A 21933	QNG0020-001Z	FUSE CLIP	FOR F1903	

■ Power Supply & Power Amplifier P. C. B.
(U/UB/US/UT/UX/UY)

BLOCK NO. 03						BLOCK NO. 03					
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	BP 1	QGR0768-0012	P FILTER	BPF			CN603	QGB1214K1-10S	CONNECTOR		
	C 3	QCSB1HK-6R8V	C CAPACITOR	6.8PF 10% 50V			CN604	QGB1214J1-10S	CONNECTOR		
	C 6	QDV81CM-103Y	C CAPACITOR				C1901	QFLMHJ-6832	M CAPACITOR	.068MF 5% 50V	
	C 7	QCS11HJ-200	C CAPACITOR	20PF 5% 50V			C1902	QFLMHJ-6832	M CAPACITOR	.068MF 5% 50V	
	C 9	QCS11HJ-120	C CAPACITOR	12PF 5% 50V			C1903	QFLMHJ-6832	M CAPACITOR	.068MF 5% 50V	
	C 13	QDX31EM-223Z	C CAPACITOR				C1904	QFLMHJ-6832	M CAPACITOR	.068MF 5% 50V	
	C 16	QDV81CM-103Y	C CAPACITOR				C3191	QETN1HM-4752	AL E. CAPACITOR	4.7MF 20% 50V	
	C 17	QCS11HJ-200	C CAPACITOR	20PF 5% 50V			C3192	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 21	QDX11EM-473Z	C CAPACITOR				C3193	QCB81HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 22	QFP41HJ-431	PP CAPACITOR	430PF 5% 50V			C3194	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 23	QDCB1HK-4R7Y	C CAPACITOR				C3301	QDYB1CM-103Y	C CAPACITOR		
	C 25	QFLM1HJ-223Z	M CAPACITOR	.022MF 5% 50V			C3302	QCB81HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 26	QFLM1HJ-472Z	M CAPACITOR	4700PF 5% 50V			C3303	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C 31	QDGB1HK-102Y	C CAPACITOR				C3491	QDYB1CM-103Y	C CAPACITOR		
	C 32	QDV81CM-103Y	C CAPACITOR				C3492	QCB81HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 33	QET41AM-107	E CAPACITOR	100MF 20% 10V			C3493	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C 35	QDV81CM-103Y	C CAPACITOR				C3901	QET41AM-107	E CAPACITOR	100MF 20% 10V	
	C 36	QET41HM-475	E CAPACITOR	4.7MF 20% 50V			C3902	QDX31EM-104Z	C CAPACITOR		
	C 37	QDGB1HK-102Y	C CAPACITOR				C5308	QER61HM-474Z	E CAPACITOR	.47MF 20% 50V	
	C 41	QET41CM-106	E CAPACITOR	10MF 20% 16V			C6101	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
	C 42	QDX31EM-473Z	C CAPACITOR				C6102	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 44	QET41HM-105	E CAPACITOR	1.0MF 20% 50V			C6103	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 45	QET41HM-474	E CAPACITOR	.47MF 20% 50V			C6104	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 47	QDX31EM-123Z	C CAPACITOR				C6105	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C 48	QDX31EM-123Z	C CAPACITOR				C6106	QET41EM-108	E CAPACITOR	1000MF 20% 25V	
	C 49	QETN1HM-104Z	E CAPACITOR	.10MF 20% 50V			C6107	QETV066-226Z	E CAPACITOR		
	C 50	QETN1HM-104Z	E CAPACITOR	.10MF 20% 50V			C6150	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 51	QCB81HK-331Y	C CAPACITOR	330PF 10% 50V			C6151	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
	C 52	QDGB1HK-102Y	C CAPACITOR				C6152	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
	C 56	QDGB1HK-102Y	C CAPACITOR				C6153	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 60	QDGB1HK-102Y	C CAPACITOR				C6201	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
	C 61	QET41AM-107	E CAPACITOR	100MF 20% 10V			C6202	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 62	QDCB1HJ-120Y	C CAPACITOR				C6203	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 63	QDGB1HK-102Y	C CAPACITOR				C6204	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 64	QDCB1HJ-120Y	C CAPACITOR				C6205	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C 65	QDGB1HK-102Y	C CAPACITOR				C6206	QET41EM-108	E CAPACITOR	1000MF 20% 25V	
	C 66	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V			C6207	QETV066-226Z	E CAPACITOR		
	C 69	QDXB1CM-222Y	C CAPACITOR				C6250	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 70	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V			C6251	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
	C 71	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V			C6252	NCS21HJ-151X	C CAPACITOR	150PF 5% 50V	
	C 75	QCSB1HK-6R8Y	C CAPACITOR	6.8PF 10% 50V			C6253	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C 76	QDX31EM-103Z	C CAPACITOR				C6301	QET41EM-227	E CAPACITOR	220MF 20% 25V	
	C 77	QDGB1HK-102Y	C CAPACITOR				C6302	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 78	QCSB1HK-5R6Y	C CAPACITOR	5.6PF 10% 50V			C6303	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	CF 1	QAX0403-001	C FILTER				C6304	QFV41HJ-154Z	TF CAPACITOR	.15MF 5% 50V	
	CF 3	QAX0404-0012	C FILTER				C6305	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	CF 4	QAX0409-001	CERA LOCK				C6306	QET41AM-227	E CAPACITOR	220MF 20% 10V	
	CN 1	QGF1205C1-09	CONNECTOR	TO MAIN			C6307	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	CN191	QGA2501C4-09	CONNECTOR				C6308	QET41HM-474	E CAPACITOR	.47MF 20% 50V	
	CN192	QGB2501K1-04	CONNECTOR				C6309	QET41HM-474	E CAPACITOR	.47MF 20% 50V	
	CN193	QGA2501C4-05	CONNECTOR				C6310	QCB81HK-101Y	C CAPACITOR	100PF 10% 50V	
	CN194	QGA7901C1-04	CONNECTOR				C6311	QET41CM-106	E CAPACITOR	10MF 20% 16V	
	CN195	QGA3901C1-02	CONNECTOR				C6312	QET41EM-227	E CAPACITOR	220MF 20% 25V	
	CN601	QGF1205F1-13	CONNECTOR				C6313	QCB81HK-101Y	C CAPACITOR	100PF 10% 50V	
	CN602	QGF1205F1-13	CONNECTOR				C6314	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	

BLOCK NO. 03

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D3301	1SS254-T2	SI DIODE		
D3302	MTZJ9.1A-T2	ZENER DIODE		
D3491	1SS254-T2	SI DIODE		
D3492	MTZJ9.1A-T2	ZENER DIODE		
D3493	1SS254-T2	SI DIODE		
D3901	MTZJ8.2B-T2	DIODE		
D6301	1SS254-T2	SI DIODE		
D6302	1SS254-T2	SI DIODE		
D6303	1SS254-T2	SI DIODE		
D6304	1SS254-T2	SI DIODE		
D7301	1SS254-T2	SI DIODE		
D7302	1SS254-T2	SI DIODE		
D7303	1SS254-T2	SI DIODE		
D7304	1SS254-T2	SI DIODE		
D7305	1SS254-T2	SI DIODE		
D7306	1SS254-T2	SI DIODE		
D8301	MTZJ4.3B-T2	ZENER DIODE		
IC 2	TA2008AN	IC		
IC 3	LC72136N	IC		
IC301	TA8223H	IC	WOOFER	
IC390	TA78DLO6S	IC	US6V	
IC601	TA8223K	IC	FULL RANGE	
IC701	BA15218N	IC		
IC702	BA15218N	IC		
IC703	BA15218N	IC		
IC704	BA15218N	IC		
IC801	BA15218N	IC		
J1901	GNCO042-001	AC SOCKET	BB AMP	
J1902	QNA0016-001	DC JACK		
L 1	QOR0772-001	OSC COIL	FM OSC	
L 2	QOR0769-001	RF COIL	FM RF	
L 3	QOR0770-001	BAR ANTENNA	MW/SW RF	
L 4	QOR0723-001	OSC COIL(MW)	MW OSC	
L 5	QY150-050Y	BUS WIRE		
L 6	QOR0775-001	OSC COIL	SW OSC	
L 7	QOL231K-221Y	INDUCTOR		
L 12	QOR0756-001	INDUCTOR		
L 13	QOR0874-001	COIL	SW	
L3191	QOL28AK-101	CHOKO COIL		
Q 3	2SC2668/O/-T	TRANSISTOR		
Q 4	2SA1175/HFE/-T	TRANSISTOR		
Q 5	2SC2668/O/-T	TRANSISTOR		
Q 6	2SC2785/FE/-T	TRANSISTOR		
Q 16	2SC2668/O/-T	TRANSISTOR	FM/SW SW	
Q 17	DTA114YSA-T	D.TR.I.M		
Q3191	DTA143TA-T	D.TR.I.M		
Q3192	2SA1359/OV/-	TRANSISTOR		
Q3193	DTA114YSA-T	D.TR.I.M		
Q3194	2SC2785/FE/-T	TRANSISTOR		
Q3195	2SA1175/HFE/-T	TRANSISTOR		
Q3196	2SA934/QR/-T	TR I/M		
Q3197	2SC2785/FE/-T	TRANSISTOR		
Q3198	DTA114YSA-T	D.TR.I.M		
Q3301	2SA1175/HFE/-T	TRANSISTOR		

BLOCK NO. 06

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C6315	QETM1EM-688	E CAPACITOR	680MF 20% 25V	
C6316	QFV41HJ-104	TF CAPACITOR	-10MF 5% 50V	
C6317	QFV41HJ-104	TF CAPACITOR	-10MF 5% 50V	
C6318	QFV41HJ-104	TF CAPACITOR	-10MF 5% 50V	
C6319	QFV41HJ-104	TF CAPACITOR	-10MF 5% 50V	
C6320	QET41EM-106	E CAPACITOR	10MF 20% 25V	
C6321	QET41CM-106	E CAPACITOR	10MF 20% 16V	
C6350	QKXC1CM-1072	E CAPACITOR	100MF 20% 16V	
C6351	QKX41CM-476	E CAPACITOR	47MF 20% 16V	
C7301	QET41CM-107	E CAPACITOR	100MF 20% 16V	
C7302	QET41HM-474	E CAPACITOR	-47MF 20% 50V	
C7303	QCSB1HK-3R3Y	C CAPACITOR	3.3PF 10% 50V	
C7305	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C7306	QFV1HJ-274Z	TF CAPACITOR	-27MF 5% 50V	
C7307	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C7308	QFLM1HJ-103Z	M CAPACITOR	-010MF 5% 50V	
C7309	QET41CM-107	E CAPACITOR	100MF 20% 16V	
C7310	QFLM1HJ-153Z	M CAPACITOR	-015MF 5% 50V	
C7311	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C7312	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7313	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C7314	QET41CM-107	E CAPACITOR	100MF 20% 16V	
C7316	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C7317	QFV41HJ-104	TF CAPACITOR	-10MF 5% 50V	
C7318	QET41CM-107	E CAPACITOR	100MF 20% 16V	
C7319	QFV41HJ-104	TF CAPACITOR	-10MF 5% 50V	
C7320	QFLM1HJ-393Z	M CAPACITOR	-039MF 5% 50V	
C7321	QFV1HJ-154Z	TF CAPACITOR	-15MF 5% 50V	
C7322	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7323	QET41CM-106	E CAPACITOR	10MF 20% 16V	
C7324	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
C8101	QFLM1HJ-563Z	M CAPACITOR	-056MF 5% 50V	
C8102	QFLM1HJ-563Z	M CAPACITOR	-056MF 5% 50V	
C8103	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C8201	QFLM1HJ-563Z	M CAPACITOR	-056MF 5% 50V	
C8202	QFLM1HJ-563Z	M CAPACITOR	-056MF 5% 50V	
C8301	QET41CM-476	E CAPACITOR	47MF 20% 25V	
C8302	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C8322	QET41CM-476	E CAPACITOR	47MF 20% 16V	
D 1	SV203SPA-JV-T	VARI CAP		
D 2	SV203SPA-JV-T	VARI CAP		
D 5	1SS254-T2	SI DIODE		
D 6	1SS254-T2	SI DIODE		
D 8	SV2344-T	VARI CAP		
D 10	SV2344-T	VARI CAP		
D 12	DSK10C-T1	DIODE		
D1901	DS8BA20-S1	SI DIODE		
D1902	6A10E2	SI DIODE		
D3191	1SS254-T2	SI DIODE		
D3192	MTZJ7.5A-T2	Z-DIODE		
D3193	RB100A	DIODE		
D3194	MTZJ7.5A-T2	Z-DIODE		
D3195	1SS254-T2	SI DIODE		
D3196	1SS254-T2	SI DIODE		

BLOCK NO. 006				BLOCK NO. 006					
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q3302	25A1359/OV-	TRANSISTOR			R 54	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
Q3303	DTA14.TSA-T	D. TRANSISTOR			R 55	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
Q3304	DTC14.TSA-T	D. TRANSISTOR			R 56	QRE141J-332Y	C RESISTOR	3-3K 5% 1/4W	
Q3305	25C2785/FE/-T	TRANSISTOR			R 57	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
Q3306	25C2785/FE/-T	TRANSISTOR			R 59	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
Q3491	25A1175/HFE/-T	TRANSISTOR			R 60	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
Q3492	25B1565/EF/-T	TRANSISTOR			R 61	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
Q3493	DTA14.TSA-T	D. TRANSISTOR			R 64	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
Q3494	DTC14.TSA-T	D. TRANSISTOR			R 66	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
Q3495	25C2785/FE/-T	TRANSISTOR			R 71	QRE141J-473Y	C RESISTOR	4-7K 5% 1/4W	
Q3496	25C2785/FE/-T	TRANSISTOR			R 72	QRE141J-473Y	C RESISTOR	4-7K 5% 1/4W	
Q6101	25C2001/LK/-T	TRANSISTOR			R 73	QUY150-050Y	BUS WIRE		
Q6201	25C2001/LK/-T	TRANSISTOR			R1901	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
Q6301	25A952/LK/-T	TRANSISTOR			R3191	QRE141J-2R2Y	C RESISTOR	2-2 5% 1/4W	
Q6302	25C2785/FE/-T	TRANSISTOR			R3192	QRE141J-152Y	C RESISTOR	1-5K 5% 1/4W	
Q6303	DTA11.FESA-T	D. TRANSISTOR	MUTING DRIVE		R3193	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
Q6304	25C2001/LK/-T	TRANSISTOR			R3194	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
Q6305	DTC11.FESA-T	D. TRANSISTOR			R3195	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
Q6306	DTC11.FESA-T	D. TRANSISTOR			R3196	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
Q6307	DTC11.FESA-T	D. TRANSISTOR			R3197	GAD0015-153Z	THERMISTOR		
Q6308	DTC11.FESA-T	D. TRANSISTOR			R3198	QRE141J-472Y	C RESISTOR	4-7K 5% 1/4W	
Q7301	25C2785/FE/-T	TRANSISTOR			R3199	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
Q7302	25C2785/FE/-T	TRANSISTOR			R3200	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
Q7303	25K103/EF/-T	FET I/M			R3201	QRE141J-152Y	C RESISTOR	1-5K 5% 1/4W	
Q8101	25C2785/FE/-T	TRANSISTOR			R3202	QRE141J-152Y	C RESISTOR	1-5K 5% 1/4W	
Q8201	25C2785/FE/-T	TRANSISTOR			R3203	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
R 1	QRE141J-104Y	C RESISTOR	100K 5% 1/4W		R3204	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
R 2	QRE141J-473Y	C RESISTOR	47K 5% 1/4W		R3201	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
R 3	QRE141J-4R7Y	C RESISTOR	4.7 5% 1/4W		R3202	QRE141J-1R0Y	C RESISTOR	1-0 5% 1/4W	
R 4	QRE141J-104Y	C RESISTOR	100K 5% 1/4W		R3203	QRE141J-1R0Y	C RESISTOR	1-0 5% 1/4W	
R 9	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W		R3204	QRE141J-1R0Y	C RESISTOR	1-0 5% 1/4W	
R 12	QRE141J-472Y	C RESISTOR	4-7K 5% 1/4W		R3205	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
R 13	QRE141J-104Y	C RESISTOR	100K 5% 1/4W		R3206	QRE141J-682Y	C RESISTOR	6-8K 5% 1/4W	
R 15	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W		R3207	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
R 16	QRE141J-222Y	C RESISTOR	4-7K 5% 1/4W		R3208	QRE141J-232Y	C RESISTOR	2-2K 5% 1/4W	
R 17	QRE141J-104Y	C RESISTOR	100K 5% 1/4W		R3209	QRE141J-681Y	C RESISTOR	680 5% 1/4W	
R 18	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W		R3310	QRE141J-681Y	C RESISTOR	680 5% 1/4W	
R 20	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W		R3311	QRE141J-681Y	C RESISTOR	680 5% 1/4W	
R 21	QRE141J-103Y	C RESISTOR	10K 5% 1/4W		R3312	QRE141J-472Y	C RESISTOR	4-7K 5% 1/4W	
R 28	QRE141J-512Y	C RESISTOR	5-1K 5% 1/4W		R3313	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
R 30	QRE141J-104Y	C RESISTOR	100K 5% 1/4W		R3314	QRE141J-332Y	C RESISTOR	3-3K 5% 1/4W	
R 33	QRE141J-101Y	C RESISTOR	100 5% 1/4W		R3315	QRE141J-472Y	C RESISTOR	4-7K 5% 1/4W	
R 34	QRE141J-393Y	C RESISTOR	39K 5% 1/4W		R3316	QRE141J-472Y	C RESISTOR	4-7K 5% 1/4W	
R 35	QRE141J-393Y	C RESISTOR	39K 5% 1/4W		R3491	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
R 37	QRE141J-560Y	C RESISTOR	56 5% 1/4W		R3492	QRE141J-1R0Y	C RESISTOR	1-0 5% 1/4W	
R 40	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W		R3493	QRE141J-1R0Y	C RESISTOR	1-0 5% 1/4W	
R 41	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W		R3494	QRE141J-1R0Y	C RESISTOR	1-0 5% 1/4W	
R 42	QRE141J-473Y	C RESISTOR	47K 5% 1/4W		R3495	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
R 44	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W		R3496	QRE141J-682Y	C RESISTOR	6-8K 5% 1/4W	
R 45	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W		R3497	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W	
R 46	QRE141J-103Y	C RESISTOR	10K 5% 1/4W		R3498	QRE141J-222Y	C RESISTOR	2-2K 5% 1/4W	
R 47	QRE141J-471Y	C RESISTOR	470 5% 1/4W		R3499	QRE141J-681Y	C RESISTOR	680 5% 1/4W	
R 48	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W		R3500	QRE141J-681Y	C RESISTOR	680 5% 1/4W	
R 51	QRE141J-102Y	C RESISTOR	1-0K 5% 1/4W		R3501	QRE141J-681Y	C RESISTOR	680 5% 1/4W	
R 52	QRE141J-473Y	C RESISTOR	4-7K 5% 1/4W		R3502	QRE141J-472Y	C RESISTOR	4-7K 5% 1/4W	

BLOCK NO. 06					BLOCK NO. 06				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R3503	GRE141J-471Y	C RESISTOR	470 5% 1/4W		R7318	GRE141J-101Y	C RESISTOR	100 5% 1/4W	
R3504	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W		R7319	GRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
R3505	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W		R7320	GRE141J-221Y	C RESISTOR	220 5% 1/4W	
R3506	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W		R7321	GRE141J-224Y	C RESISTOR	220K 5% 1/4W	
R3507	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W		R7322	GRE141J-563Y	C RESISTOR	56K 5% 1/4W	
R3508	GRE141J-682Y	C RESISTOR	6.8K 5% 1/4W		R7323	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
R3509	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		R7324	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
R5107	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		R7325	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
R5207	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		R7326	GRE141J-153Y	C RESISTOR	15K 5% 1/4W	
R6101	GRE141J-273Y	C RESISTOR	27K 5% 1/4W		R7327	GRE141J-105Y	C RESISTOR	1.0M 5% 1/4W	
R6102	GRE141J-121Y	C RESISTOR	120 5% 1/4W		R7328	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
R6103	GRE141J-123Y	C RESISTOR	12K 5% 1/4W		R7329	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
R6104	GRE141J-282Y	C RESISTOR	2.2 5% 1/4W		R7330	GRE141J-392Y	C RESISTOR	3.9K 5% 1/4W	
R6105	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W		R7331	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
R6201	GRE141J-273Y	C RESISTOR	27K 5% 1/4W		R7332	GRE141J-101Y	C RESISTOR	100 5% 1/4W	
R6202	GRE141J-121Y	C RESISTOR	120 5% 1/4W		R7333	GRE141J-273Y	C RESISTOR	27K 5% 1/4W	
R6203	GRE141J-123Y	C RESISTOR	12K 5% 1/4W		R7334	GRE141J-243Y	C RESISTOR	24K 5% 1/4W	
R6204	GRE141J-282Y	C RESISTOR	2.2 5% 1/4W		R7335	GRE141J-243Y	C RESISTOR	24K 5% 1/4W	
R6205	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W		R7336	GRE141J-823Y	C RESISTOR	82K 5% 1/4W	
R6301	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W		R7337	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
R6302	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W		R7341	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
R6303	GRE141J-562Y	C RESISTOR	5.6K 5% 1/4W		R7342	GRE141J-333Y	C RESISTOR	33K 5% 1/4W	
R6304	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		R7343	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
R6305	GRE141J-622Y	C RESISTOR	6.2K 5% 1/4W		R7344	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
R6306	GRE141J-182Y	C RESISTOR	1.8K 5% 1/4W		R8101	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
R6307	GRE141J-153Y	C RESISTOR	15K 5% 1/4W		R8102	GRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
R6308	GRE141J-153Y	C RESISTOR	15K 5% 1/4W		R8103	GRE141J-392Y	C RESISTOR	3.9K 5% 1/4W	
R6309	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W		R8104	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
R6310	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W		R8105	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
R6311	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W		R8107	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
R6312	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W		R8111	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
R6313	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W		R8201	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
R6314	GRE141J-391Y	C RESISTOR	390 5% 1/4W		R8202	GRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
R6315	GRE141J-224Y	C RESISTOR	220K 5% 1/4W		R8203	GRE141J-392Y	C RESISTOR	3.9K 5% 1/4W	
R6316	GRE141J-391Y	C RESISTOR	390 5% 1/4W		R8204	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
R6317	GRE141J-473Y	C RESISTOR	47K 5% 1/4W		R8205	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
R6318	GRE141J-282Y	C RESISTOR	2.2 5% 1/4W		R8207	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
R6319	GRE141J-282Y	C RESISTOR	2.2 5% 1/4W		R8211	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
R6320	GRE141J-282Y	C RESISTOR	2.2 5% 1/4W		R8301	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
R6321	GRE141J-282Y	C RESISTOR	2.2 5% 1/4W		R8302	GRE141J-474Y	C RESISTOR	470K 5% 1/4W	
R6322	GRE141J-123Y	C RESISTOR	12K 5% 1/4W		R8321	GRE141J-101Y	C RESISTOR	100 5% 1/4W	
R6325	GRE141J-153Y	C RESISTOR	15K 5% 1/4W		R8327	GRE141J-224Y	C RESISTOR	220K 5% 1/4W	
R7301	GRE141J-473Y	C RESISTOR	47K 5% 1/4W		S1901	QSW0555-001	VOLTAGE SELECTOR		
R7303	GRE141J-101Y	C RESISTOR	100 5% 1/4W		T 2	QGR0719-001	IFT		
R7305	GRE141J-224Y	C RESISTOR	220K 5% 1/4W		TC 2	GAT3725-2002	T CAPACITOR	MW RF	
R7307	GRE141J-394Y	C RESISTOR	390K 5% 1/4W		TC 3	GAT3725-1002	T CAPACITOR	SW RF	
R7308	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		TP 1	GN20104-001	POST PIN	TO ROD ANT	
R7309	GRE141J-333Y	C RESISTOR	33K 5% 1/4W		TP 2	GN20104-001	POST PIN	GND	
R7310	GRE141J-101Y	C RESISTOR	100 5% 1/4W		WC 1	GZ40007-001	POST PIN		
R7311	GRE141J-184Y	C RESISTOR	180K 5% 1/4W		X 1	QAX0402-001	CRYSTAL		
R7312	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		Z1904	QNG0020-001Z	FUSE CLIP	FOR F1904	
R7313	GRE141J-104Y	C RESISTOR	100K 5% 1/4W		Z1911	QNG0020-001Z	FUSE CLIP	FOR F1901	
R7314	GRE141J-273Y	C RESISTOR	27K 5% 1/4W		Z1922	QNG0020-001Z	FUSE CLIP	FOR F1902	
R7316	GRE141J-104Y	C RESISTOR	100K 5% 1/4W						
R7317	GRE141J-104Y	C RESISTOR	100K 5% 1/4W						

■ Tuner P. C. B. (J)

BLOCK NO. 07					BLOCK NO. 07				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
BP 1	QGR0768-0012	P FILTER	BPF		L 3	QGR0745-001	BAR ANTENA	MW RF	
C 3	QCSB1HK-3R9Y	C CAPACITOR	3.9PF 10% 50V		L 4	QGR0723-001	OSC COIL(MW)	MW OSC	
C 6	QDYB1CM-103Y	C CAPACITOR			L 7	QGL231K-221Y	INDUCTOR		
C 7	QDGB1HK-102Y	C CAPACITOR			L 10	QGL231K-4R7Y	INDUCTOR		
C 9	QCS11HJ-120	C CAPACITOR	12PF 5% 50V		L 12	QGR0756-001	INDUCTOR	DO/J/E	
C 13	QDX31EM-223Z	C CAPACITOR			Q 1	25C2668/07-T	TRANSISTOR		
C 16	QDYB1CM-103Y	C CAPACITOR			R 1	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
C 21	QDX31EM-473Z	C CAPACITOR			R 2	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
C 22	QFP41HJ-431	PP CAPACITOR	430PF 5% 50V		R 3	GRE141J-270Y	C RESISTOR	27 5% 1/4W	
C 23	QDCB1HJ-120Y	C CAPACITOR			R 4	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
C 31	QDGB1HK-102Y	C CAPACITOR			R 7	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
C 32	QDYB1CM-103Y	C CAPACITOR			R 9	GRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
C 33	QET41AM-107	E CAPACITOR	100MF 20% 10V		R 13	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
C 35	QETW1HM-104Z	E CAPACITOR	.10MF 20% 50V		R 18	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 36	QET41HM-475	E CAPACITOR	4.7MF 20% 50V		R 20	GRE141J-223Y	C RESISTOR	22K 5% 1/4W	
C 37	QDGB1HK-102Y	C CAPACITOR			R 24	GRE141J-681Y	C RESISTOR	680 5% 1/4W	
C 38	QDYB1CM-103Y	C CAPACITOR			R 25	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 40	QDYB1CM-103Y	C CAPACITOR			R 30	GRE141J-183Y	C RESISTOR	18K 5% 1/4W	
C 41	QET41HM-475	E CAPACITOR	4.7MF 20% 50V		R 31	GRE141J-104Y	C RESISTOR	100K 5% 1/4W	
C 42	QDX31EM-473Z	C CAPACITOR			R 32	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
C 43	QETW1HM-104Z	E CAPACITOR	.10MF 20% 50V		R 33	GRE141J-331Y	C RESISTOR	330 5% 1/4W	
C 44	QET41HM-105	E CAPACITOR	1.0MF 20% 50V		R 35	GRE141J-223Y	C RESISTOR	22K 5% 1/4W	
C 45	QETW1HM-104Z	E CAPACITOR	.10MF 20% 50V		R 36	GRE141J-223Y	C RESISTOR	22K 5% 1/4W	
C 47	QDX31EM-123Z	C CAPACITOR			R 37	GRE141J-560Y	C RESISTOR	56 5% 1/4W	
C 48	QDX31EM-123Z	C CAPACITOR			R 38	GRE141J-101Y	C RESISTOR	100 5% 1/4W	
C 49	QETW1HM-104Z	E CAPACITOR	.10MF 20% 50V		R 39	GRE141J-121Y	C RESISTOR	120 5% 1/4W	
C 50	QETW1HM-104Z	E CAPACITOR	.10MF 20% 50V		R 42	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
C 51	QCB1HK-331Y	C CAPACITOR	330PF 10% 50V		R 44	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
C 52	QDGB1HK-102Y	C CAPACITOR			R 47	GRE141J-220Y	C RESISTOR	22 5% 1/4W	
C 60	QDGB1HK-102Y	C CAPACITOR			R 48	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 61	QET41AM-107	E CAPACITOR	100MF 20% 10V		R 52	GRE141J-103Y	C RESISTOR	10K 5% 1/4W	
C 62	QDCB1HJ-120Y	C CAPACITOR			R 54	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
C 63	QDGB1HK-102Y	C CAPACITOR			R 55	GRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
C 64	QDCB1HJ-120Y	C CAPACITOR			R 56	GRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
C 65	QDGB1HK-102Y	C CAPACITOR			R 57	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 66	QCB1HK-151Y	C CAPACITOR	150PF 10% 50V		R 59	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 69	QDXB1CM-222Y	C CAPACITOR			R 60	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 70	QETW1HM-225Z	E CAPACITOR	2.2MF 20% 50V		R 61	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
C 71	QET41CM-106	E CAPACITOR	10MF 20% 16V		R 63	GRE141J-473Y	C RESISTOR	47K 5% 1/4W	
C 77	QDGB1HK-102Y	C CAPACITOR			R 64	GRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
CF 1	QAX0403-001	C FILTER			T 2	QAX0340-001	C FIL		
CF 3	QAX053R-001Z	CRYSTAL			TC 2	QAT3725-200Z	T CAPACITOR	MW RF	
CN 1	QGF1205C1-09	CONNECTOR	TO MAIN		TP 1	QNZ0104-001	POST PIN	TO ROD ANT	
D 1	SVC203SPA-JV-T	VARI CAP			TP 2	QNZ0104-001	POST PIN	GND	
D 2	SVC203SPA-JV-T	VARI CAP			X 1	QAX0402-001	CRYSTAL		
D 5	1S254-T2	SI DIODE			2D 1	MTJ3.0B-12	Z DIODE 1.M		
D 6	1S254-T2	SI DIODE							
D 8	SVC344-T	VARI CAP							
D 12	DSK10C-T1	DIODE							
IC 1	TA2104AN	IC							
IC 2	LC72136N	IC							
K 1	QGR0779-001Z	INDUCTOR	FM OSC						
L 1	QGR0772-001	OSC COIL	FM RF						
L 2	QGR0769-001	RF COIL							

■ Jack P. C. B. (B/E/EN/EE/EV)

BLOCK NO. 08				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CN731	QEA2001F1-04	4P PLUG ASSY		
C7351	QETC1HM-104Z	E CAPACITOR	.10MF 20% 50V	
C7352	NC521HJ-331X	C CAPACITOR	330PF 5% 50V	
C7353	QETN1HM-334Z	E CAPACITOR	.33MF 20% 50V	
C7354	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7355	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7356	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C7357	NC521HJ-680X	C.CAPA. C.M	68PF 5% 50V	
C7358	QET41CM-106	E CAPACITOR	10MF 20% 16V	
C7359	QFV41HJ-683	TF CAPACITOR	.068MF 5% 50V	
C7360	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C7361	NC521HJ-221X	C CAPACITOR	220PF 5% 50V	
C7362	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V	
C7363	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V	
C7365	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7366	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C7367	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7368	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7370	QETC1HM-104Z	E CAPACITOR	.10MF 20% 50V	
D7351	1S5254-T2	SI DIODE		
D7352	1S5254-T2	SI DIODE		
D7353	1S5254-T2	SI DIODE		
D7354	1S5254-T2	SI DIODE		
D7355	1S5254-T2	SI DIODE		
D7357	1S5254-T2	SI DIODE		
D7358	1S5254-T2	SI DIODE		
D7359	1S5254-T2	SI DIODE		
D7360	1S5254-T2	SI DIODE		
IC751	BA15218F-W	IC		
IC752	BA15218F-W	IC		
J7351	QNS0140-001	6.3 JACK		
K7351	QGR0779-001Z	INDUCTOR		
Q7351	2SC2412K/R/-X	TRANSISTOR	<- B7102	
Q7352	2SC2412K/R/-X	TRANSISTOR		
Q7353	DTA124EKA-X	DIGI TRANSISTOR		
Q7354	2SC2412K/R/-X	TRANSISTOR		
Q7355	DTA124EKA-X	DIGI TRANSISTOR		
Q7356	2SC2412K/R/-X	TRANSISTOR		
Q7357	2SC2412K/R/-X	TRANSISTOR		
Q7358	2SC2412K/R/-X	TRANSISTOR		
Q7359	2SA1037AK/RS/-X	CHIP TR.C.M		
Q7360	DT115EKA-X	CHIP D.TR.		
R7351	NRSA02J-184X	MG RESISTOR	180K 5% 1/10W	
R7352	NRSA02J-823X	MG RESISTOR	82K 5% 1/10W	
R7353	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R7354	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W	
R7355	NRSA02J-563X	RES. C.M	56K 5% 1/10W	
R7356	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R7357	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R7358	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R7359	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
R7360	NRSA02J-273X	MG RESISTOR	27K 5% 1/10W	
R7361	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R7362	NRSA02J-224X	RES. C.M	220K 5% 1/10W	
R7365	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W	

BLOCK NO. 08				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R7366	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W	
R7367	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R7368	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R7369	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R7370	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R7371	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R7372	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R7373	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R7374	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
R7375	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7376	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7377	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7378	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7379	NRSA02J-563X	RES. C.M	56K 5% 1/10W	
R7380	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R7381	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
R7382	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R7383	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
R7384	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R7385	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R7386	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R7387	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R7388	NRSA02J-103X	RES. C.M	10K 5% 1/10W	
VR731	QVQ0287-B24	V RESISTOR	MIC VOL/WITH SW	

■ Jack P. C. B. (J)

BLOCK NO. 09

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CN731	QGA2001F1-04	4P PLUG ASSY		
C7351	QETC1HM-104Z	E CAPACITOR	-10MF 20% 50V	
C7352	NS521HJ-331X	C CAPACITOR	330PF 5% 50V	
C7353	QETN1HM-334Z	E CAPACITOR	.33MF 20% 50V	
C7354	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7355	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7356	QET41HM-476	E CAPACITOR	47MF 20% 25V	
C7357	NS521HJ-680X	C.CAPA. C.M	68PF 5% 50V	
C7358	QET41CM-106	E CAPACITOR	10MF 20% 16V	
C7359	QEV41HJ-683	TF CAPACITOR	.088MF 5% 50V	
C7360	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C7361	NS521HJ-221X	C CAPACITOR	220PF 5% 50V	
C7362	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V	
C7363	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V	
C7365	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7366	QET41EM-476	E CAPACITOR	47MF 20% 25V	
C7367	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7368	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C7370	QETC1HM-104Z	E CAPACITOR	-10MF 20% 50V	
D7351	1S5254-T2	SI DIODE		
D7352	1S5254-T2	SI DIODE		
D7353	1S5254-T2	SI DIODE		
D7354	1S5254-T2	SI DIODE		
D7355	1S5254-T2	SI DIODE		
D7357	1S5254-T2	SI DIODE		
D7358	1S5254-T2	SI DIODE		
D7359	1S5254-T2	SI DIODE		
D7360	1S5254-T2	SI DIODE		
IC751	BA15218F-W	IC		
IC752	BA15218F-W	IC		
J7351	QMS0148-001	6-3 JACK		
K7351	QQR0779-001Z	INDUCTOR	<- B7102	
Q7351	2SC2412K/R/-X	TRANSISTOR		
Q7352	2SC2412K/R/-X	TRANSISTOR		
Q7353	D1A124EKA-X	DIGI TRANSISTOR		
Q7354	2SC2412K/R/-X	TRANSISTOR		
Q7355	D1A124EKA-X	DIGI TRANSISTOR		
Q7356	2SC2412K/R/-X	TRANSISTOR		
Q7357	2SC2412K/R/-X	TRANSISTOR		
Q7358	2SC2412K/R/-X	TRANSISTOR		
Q7359	2SA1037AK/RS/-X	CHIP TR.C.M		
Q7360	D1C115EKA-X	CHIP D.T.R.		
R7351	NPSA02J-184X	MG RESISTOR	180K 5% 1/10W	
R7352	NPSA02J-823X	MG RESISTOR	82K 5% 1/10W	
R7353	NPSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R7354	NPSA02J-153X	MG RESISTOR	15K 5% 1/10W	
R7355	NPSA02J-563X	RES. C.M	56K 5% 1/10W	
R7356	NPSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R7357	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
R7358	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
R7359	NPSA02J-223X	RES. C.M	22K 5% 1/10W	
R7360	NPSA02J-273X	MG RESISTOR	27K 5% 1/10W	
R7361	NPSA02J-101X	MG RESISTOR	100 5% 1/10W	
R7362	NPSA02J-224X	RES. C.M	220K 5% 1/10W	
R7365	NPSA02J-122X	MG RESISTOR	1.2K 5% 1/10W	

BLOCK NO. 09

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R7366	NPSA02J-182X	MG RESISTOR	1.8K 5% 1/10W	
R7367	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
R7368	NPSA02J-101X	MG RESISTOR	100 5% 1/10W	
R7369	NPSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R7370	NPSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R7371	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
R7372	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
R7373	NPSA02J-104X	MG RESISTOR	100K 5% 1/10W	
R7374	NPSA02J-474X	MG RESISTOR	470K 5% 1/10W	
R7375	NPSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7376	NPSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7377	NPSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7378	NPSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R7379	NPSA02J-563X	RES. C.M	56K 5% 1/10W	
R7380	NPSA02J-593X	MG RESISTOR	59K 5% 1/10W	
R7381	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
R7382	NPSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R7383	NPSA02J-101X	MG RESISTOR	100 5% 1/10W	
R7384	NPSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R7385	NPSA02J-473X	MG RESISTOR	47K 5% 1/10W	
R7386	NPSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R7387	NPSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R7388	NPSA02J-103X	RES. C.M	10K 5% 1/10W	
VR731	QVQ0287-B24	V RESISTOR	MIC VOL/WITH SW	

■ Jack P. C. B. (U/UB/US/UT/U/UY)

BLOCK NO. 10				
A	REF.	PARTS NO.	PARTS NAME	REMARKS
	CN751	QGA2001F1-04	4P PLUG ASSY	
	C7351	QETC1HM-104Z	E CAPACITOR	.10MF 20% 50V
	C7352	NCS21HJ-331X	C CAPACITOR	330PF 5% 50V
	C7353	QETN1HM-334Z	E CAPACITOR	.33MF 20% 50V
	C7354	QET41HM-105	E CAPACITOR	1.0MF 20% 50V
	C7355	QET41HM-105	E CAPACITOR	1.0MF 20% 50V
	C7356	QET41HM-476	E CAPACITOR	47MF 20% 25V
	C7357	NCS21HJ-680X	C.CAPA. C.M	68PF 5% 50V
	C7358	QET41CM-106	E CAPACITOR	10MF 20% 16V
	C7359	QPV41HJ-683	TF CAPACITOR	.068MF 5% 50V
	C7360	QET41EM-476	E CAPACITOR	47MF 20% 25V
	C7361	NCS21HJ-221X	C CAPACITOR	220PF 5% 50V
	C7362	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V
	C7363	QETN1HM-335Z	E CAPACITOR	3.3MF 20% 50V
	C7365	QET41HM-105	E CAPACITOR	1.0MF 20% 50V
	C7366	QET41EM-476	E CAPACITOR	47MF 20% 25V
	C7367	QET41HM-105	E CAPACITOR	1.0MF 20% 50V
	C7368	QET41HM-105	E CAPACITOR	1.0MF 20% 50V
	C7370	QETC1HM-104Z	E CAPACITOR	.10MF 20% 50V
	D7351	1SS254-T2	SI DIODE	
	D7352	1SS254-T2	SI DIODE	
	D7353	1SS254-T2	SI DIODE	
	D7354	1SS254-T2	SI DIODE	
	D7355	1SS254-T2	SI DIODE	
	D7357	1SS254-T2	SI DIODE	
	D7358	1SS254-T2	SI DIODE	
	D7359	1SS254-T2	SI DIODE	
	D7360	1SS254-T2	SI DIODE	
	IC751	BA15218F-W	IC	
	IC752	BA15218F-W	IC	
	J7351	ONS0148-001	6.3 JACK	
	K7351	QOR0779-001Z	INDUCTOR	
	Q7351	2SC2412K/R/-X	TRANSISTOR	← B7102
	Q7352	2SC2412K/R/-X	TRANSISTOR	
	Q7353	DTA124EKA-X	DIGI TRANSISTOR	
	Q7354	2SC2412K/R/-X	TRANSISTOR	
	Q7355	DTA124EKA-X	DIGI TRANSISTOR	
	Q7356	2SC2412K/R/-X	TRANSISTOR	
	Q7357	2SC2412K/R/-X	TRANSISTOR	
	Q7358	2SC2412K/R/-X	TRANSISTOR	
	Q7359	2SA1037AK/RS/-X	CHIP TR.C.M	
	Q7360	DTA124EKA-X	CHIP D-TR.	
	R7351	NRSA02J-184X	MG RESISTOR	180K 5% 1/10W
	R7352	NRSA02J-823X	MG RESISTOR	82K 5% 1/10W
	R7353	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W
	R7354	NRSA02J-153X	MG RESISTOR	15K 5% 1/10W
	R7355	NRSA02J-563X	RES. C.M	56K 5% 1/10W
	R7356	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W
	R7357	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	R7358	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	R7359	NRSA02J-223X	RES. C.M	22K 5% 1/10W
	R7360	NRSA02J-273X	MG RESISTOR	27K 5% 1/10W
	R7361	NRSA02J-101X	MG RESISTOR	100 5% 1/10W
	R7362	NRSA02J-224X	RES. C.M	220K 5% 1/10W
	R7365	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W

BLOCK NO. 10				
A	REF.	PARTS NO.	PARTS NAME	REMARKS
	R7366	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W
	R7367	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	R7368	NRSA02J-101X	MG RESISTOR	100 5% 1/10W
	R7369	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W
	R7370	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W
	R7371	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	R7372	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	R7373	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W
	R7374	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W
	R7375	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W
	R7376	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W
	R7377	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W
	R7378	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W
	R7379	NRSA02J-563X	RES. C.M	56K 5% 1/10W
	R7380	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W
	R7381	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	R7382	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W
	R7383	NRSA02J-101X	MG RESISTOR	100 5% 1/10W
	R7384	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W
	R7385	NRSA02J-473X	MG RESISTOR	47K 5% 1/10W
	R7386	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W
	R7387	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W
	R7388	NRSA02J-103X	RES. C.M	10K 5% 1/10W
	VR731	QV00287-B24	V RESISTOR	MIC VOL/WITH SW

■ CD Servo Control P.C.B.

BLOCK NO. 00000000						BLOCK NO. 00000000					
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 604	QEK1AM-107Z	E CAPACITOR	100MF 20% 10V			R 601	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	C 605	QET41EM-106	E CAPACITOR	10MF 20% 25V			R 603	QRE141J-125Y	C.RES. I.M	1.2M 5% 1/4W	
	C 606	QDGB1HK-102Y	C CAPACITOR				R 605	QRE141J-134Y	C.RES. I.M	130K 5% 1/4W	
	C 607	QDGB1HK-102Y	C CAPACITOR				R 606	QRE141J-913Y	C.RES. I.M	91K 5% 1/4W	
	C 608	QET41HM-105	E CAPACITOR	1.0MF 20% 50V			R 607	QRE141J-273Y	C RESISTOR	27K 5% 1/4W	
	C 609	QCB81HK-101Y	C CAPACITOR	100PF 10% 50V			R 609	QRE141J-114Y	C.RES. I.M	110K 5% 1/4W	
	C 610	QFLM1HJ-273Z	M CAPACITOR	.027MF 5% 50V			R 610	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	C 611	QDVB1CM-222Y	C CAPACITOR				R 612	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	C 612	QDVB1CM-103Y	C CAPACITOR				R 613	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	C 613	QCB81HK-331Y	C CAPACITOR	330PF 10% 50V			R 614	QRE141J-100Y	C RESISTOR	10 5% 1/4W	
	C 614	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V			R 615	QRE141J-120Y	C RESISTOR	12 5% 1/4W	
	C 615	QDVB1E2-223Y	C CAPACITOR				R 616	QRE141J-910Y	C RESISTOR	91 5% 1/4W	
	C 616	QDVB1E2-223Y	C CAPACITOR				R 621	QRE141J-330Y	C RESISTOR	33 5% 1/4W	
	C 617	QDVB1E2-223Y	C CAPACITOR				R 622	QRE141J-330Y	C RESISTOR	33 5% 1/4W	
	C 618	QDVB1CM-222Y	C CAPACITOR				R 623	QRE141J-330Y	C RESISTOR	33 5% 1/4W	
	C 619	QCB81HK-271Y	C CAPACITOR	270PF 10% 50V			R 631	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	C 620	QCS11HJ-470	C CAPACITOR	47PF 5% 50V			R 632	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	C 621	QDGB1HK-821Y	C CAPACITOR				R 633	QRE141J-273Y	C RESISTOR	27K 5% 1/4W	
	C 622	QET41AM-476	E CAPACITOR	47MF 20% 10V			R 641	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	C 623	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V			R 642	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	C 628	QDX31EM-473Z	C CAPACITOR				R 643	QRE141J-822Y	C RESISTOR	8.2K 5% 1/4W	
	C 629	QET41AM-107	E CAPACITOR	100MF 20% 10V			R 644	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	C 631	QET41AM-477	E CAPACITOR	470MF 20% 10V			R 645	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	C 632	QEK1AM-107Z	E CAPACITOR	100MF 20% 10V			R 646	QRE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
	C 651	QCS11HJ-120	C CAPACITOR	12PF 5% 50V			R 647	QRE141J-562Y	C RESISTOR	5.6K 5% 1/4W	
	C 652	QCS11HJ-150	C CAPACITOR	15PF 5% 50V			R 651	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	C 653	QDVB1E2-223Y	C CAPACITOR				R 652	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	C 655	QDX31EM-473Z	C CAPACITOR				R 653	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	C 661	QCB81HK-471Y	C CAPACITOR	470PF 10% 50V			R 654	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	C 662	QDVB1E2-223Y	C CAPACITOR				R 655	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	C 663	QFLM1HJ-223Z	M CAPACITOR	.022MF 5% 50V			R 659	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	C 664	QDVB1E2-223Y	C CAPACITOR				R 661	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	C 665	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V			R 662	QRE141J-155Y	C RESISTOR	1.5M 5% 1/4W	
	C 671	QDVB1CM-222Y	C CAPACITOR				R 663	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	C 672	QDVB1CM-222Y	C CAPACITOR				R 664	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	C 673	QET41AM-227	E CAPACITOR	220MF 20% 10V			R 666	QRE141J-220Y	C RESISTOR	22 5% 1/4W	
	C 674	QDVB1E2-223Y	C CAPACITOR				R 671	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	C 675	QDGB1HK-102Y	C CAPACITOR				R 672	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	C 676	QDGB1HK-102Y	C CAPACITOR				X 651	QAX0411-001	CRYSTAL	16.9344MHZ	
	C 691	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V							
	C 692	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V							
	C 693	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V							
	C 694	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V							
	C 698	QDGB1HK-102Y	C CAPACITOR								
	CN601	QGF1008F1-15	21-41 CONNECTOR	TO RF							
	CN602	QJK004-060601	SIN CL C-B WIRE	TO MOTOR							
	CN603	QGF1205F1-07	CONNECTOR	TO AUDIO							
	CN604	QGF1205F1-11	CONNECTOR	TO MICRON							
	CN605	QGA2501F1-03	CONNECTOR	TO DIGITAL OUT							
	D 661	1SS254-T2	SI DIODE								
	IC601	AN8806SB	IC	RF AMP							
	IC602	BA6897FP-W	IC	DRIVER							
	IC603	MN35510	IC	1CHIP PROCESSER							
	Q 601	2SA952/LK/-T	TRANSISTOR								
	Q 631	2SA952/LK/-T	TRANSISTOR								

■ Cassette Deck P. C. B.

BLOCK NO. 12						BLOCK NO. 12					
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 101	NC521HJ-821X	C CAPACITOR	820PF 5% 50V			CN 33	QGF1205F1-09	CONNECTOR	PRI/MICON		
C 102	NC521HJ-221X	C CAPACITOR	220PF 5% 50V			CN 34	QGF1205F1-10	CONNECTOR	PRI/AMP		
C 103	QK40JM-227	E CAPACITOR	220MF 20% 6.3V			D 301	HA152WA-X	DIODE			
C 104	NCB21HK-333X	C CAPACITOR	-033MF 10% 50V			D 309	MA704A-X	S-K DIODE			
C 105	NCB21HK-222X	C CAPACITOR	2200PF 10% 50V			D 375	MA3051M/-X	ZENER DIODE			
C 106	QK41CM-106	E CAPACITOR	10MF 20% 16V			FW 31	9U0Q24-06A223	EF FLAT			
C 107	NC521HJ-561X	C CAPACITOR	560PF 5% 50V			IC 31	BA3126N	IC	HEAD SW		
C 108	QK41EM-475	E CAPACITOR	4.7MF 20% 25V			IC 32	AN7317	IC	PB&REC		
C 109	QK41EM-475	E CAPACITOR	4.7MF 20% 25V			IC 33	BU40948CF-X	IC			
C 110	NCB21HK-682X	C CAPACITOR	6800PF 10% 50V			L 301	QR0620-001	OSC COIL(BIAS)			
C 111	NCB21HK-122X	C CAPACITOR	1200PF 10% 50V			L 303	QL01BK-100Z	INDUCTOR			
C 112	NCB21EK-683X	C CAPACITOR	-068MF 10% 25V			Q 101	DT114TKA-X	TRANSISTOR			
C 113	NCB21HK-222X	C CAPACITOR	2200PF 10% 50V			Q 102	DT114TKA-X	TRANSISTOR	REC EQ CONT.		
C 121	NC521HJ-331X	C CAPACITOR	330PF 5% 50V			Q 201	DT114TKA-X	TRANSISTOR			
C 201	NC521HJ-821X	C CAPACITOR	820PF 5% 50V			Q 202	DT114TKA-X	TRANSISTOR	REC EQ CONT.		
C 202	NC521HJ-221X	C CAPACITOR	220PF 5% 50V			Q 301	DTA144EKA-X	TRANSISTOR	REC EQ CONT.		
C 203	QK40JM-227	E CAPACITOR	220MF 20% 6.3V			Q 302	2SC2001K/-T	TR I/M			
C 204	NCB21HK-333X	C CAPACITOR	-033MF 10% 50V			Q 303	2SC2001K/-T	TR I/M			
C 205	NCB21HK-222X	C CAPACITOR	2200PF 10% 50V			Q 304	2SC2001LK/-T	TRANSISTOR			
C 206	QK41CM-106	E CAPACITOR	10MF 20% 16V			Q 305	2SC2001LK/-T	TRANSISTOR			
C 207	NC521HJ-561X	C CAPACITOR	560PF 5% 50V			Q 306	2SC2412K/RS/-X	CHIP TR.C.M			
C 208	QK41EM-475	E CAPACITOR	4.7MF 20% 25V			Q 307	2SC2412K/RS/-X	CHIP TR.C.M			
C 209	QK41EM-475	E CAPACITOR	4.7MF 20% 25V			Q 308	2SC2412K/RS/-X	CHIP TR.C.M			
C 210	NCB21HK-682X	C CAPACITOR	6800PF 10% 50V			Q 309	2SC2412K/RS/-X	CHIP TR.C.M			
C 211	NCB21HK-122X	C CAPACITOR	1200PF 10% 50V			Q 321	DT144EKA-X	TRANSISTOR			
C 212	NCB21EK-683X	C CAPACITOR	-068MF 10% 25V			Q 323	2SC2412K/RS/-X	CHIP TR.C.M			
C 213	NCB21HK-222X	C CAPACITOR	2200PF 10% 50V			Q 371	2SA952/LK/-T	TRANSISTOR	MOTER+B		
C 221	NC521HJ-331X	C CAPACITOR	330PF 5% 50V			Q 372	DT124EKA-X	TRANSISTOR	SOLENOID DRIVE		
C 301	QKJ1AM-1072	E CAPACITOR	100MF 20% 10V			Q 375	2SB562/C/-T	TRANSISTOR			
C 302	NCB21HK-393X	C CAPACITOR	-039MF 10% 50V			Q 376	2SC2412K/RS/-X	CHIP TR.C.M			
C 303	QK40JM-227	E CAPACITOR	220MF 20% 6.3V			R 101	NRSA02J-220X	MG RESISTOR	22 5% 1/10W		
C 304	QK41CM-226	E CAPACITOR	22MF 20% 16V			R 102	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W		
C 305	QK41CM-226	E CAPACITOR	22MF 20% 16V			R 103	NRSA02J-242NY	MG RESISTOR	2.4K 5% 1/10W		
C 306	QK41CM-476	E CAPACITOR	47MF 20% 16V			R 104	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W		
C 307	NCB21HK-103X	C CAPACITOR	-010MF 10% 50V			R 105	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W		
C 308	NCB21HK-563X	C CAPACITOR	5600PF 10% 50V			R 106	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W		
C 309	NCB21HK-563X	C CAPACITOR	5600PF 10% 50V			R 107	NRSA02J-123X	RES. C.M	12K 5% 1/10W		
C 310	NCB21HK-223X	C CAPACITOR	-022MF 10% 50V			R 108	NRSA02J-562X	MG RESISTOR	5.6K 5% 1/10W		
C 311	NCB21HK-682X	C CAPACITOR	6800PF 10% 50V			R 109	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W		
C 313	QKJ1AM-1072	E CAPACITOR	100MF 20% 10V			R 110	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W		
C 314	QKJ205-155Z	ML C CAP 1/4M	1.5MF			R 111	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W		
C 315	QKJ205-155Z	ML C CAP 1/4M	1.5MF			R 112	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W		
C 316	QF32AJ-103Z	PP CAPACITOR	-010MF 5% 100V			R 113	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W		
C 318	NCB21HK-103X	C CAPACITOR	-010MF 10% 50V			R 114	NRSA02J-272X	MG RESISTOR	2.7K 5% 1/10W		
C 319	QF32AJ-821Z	TF CAPACITOR	820PF 5% 100V			R 116	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		
C 321	NCB21HK-103X	C CAPACITOR	-010MF 10% 50V			R 121	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W		
C 322	QF32AJ-152Z	M CAPACITOR	1500PF 5% 100V			R 201	NRSA02J-220X	MG RESISTOR	22 5% 1/10W		
C 331	QK41CM-476	E CAPACITOR	47MF 20% 16V			R 202	NRSA02J-182X	MG RESISTOR	1.8K 5% 1/10W		
C 351	QK41CM-106	E CAPACITOR	10MF 20% 16V			R 203	NRSA02J-242NY	MG RESISTOR	2.4K 5% 1/10W		
C 371	QK41EM-475	E CAPACITOR	4.7MF 20% 25V			R 204	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W		
C 374	QKJ1AM-1072	E CAPACITOR	MOTOR +B			R 205	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W		
C 375	QKJ1AM-1072	E CAPACITOR	100MF 20% 10V			R 206	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W		
C 376	NCB21HK-103X	C CAPACITOR	-010MF 10% 50V			R 207	NRSA02J-123X	RES. C.M	12K 5% 1/10W		
CN 31	QGF1205F1-06	CONNECTOR	PRI/HEAD			R 208	NRSA02J-562X	MG RESISTOR	5.6K 5% 1/10W		
CN 32	QGB2011M1-10	PWB CONECTOR	PRI/MECHA			R 209	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W		

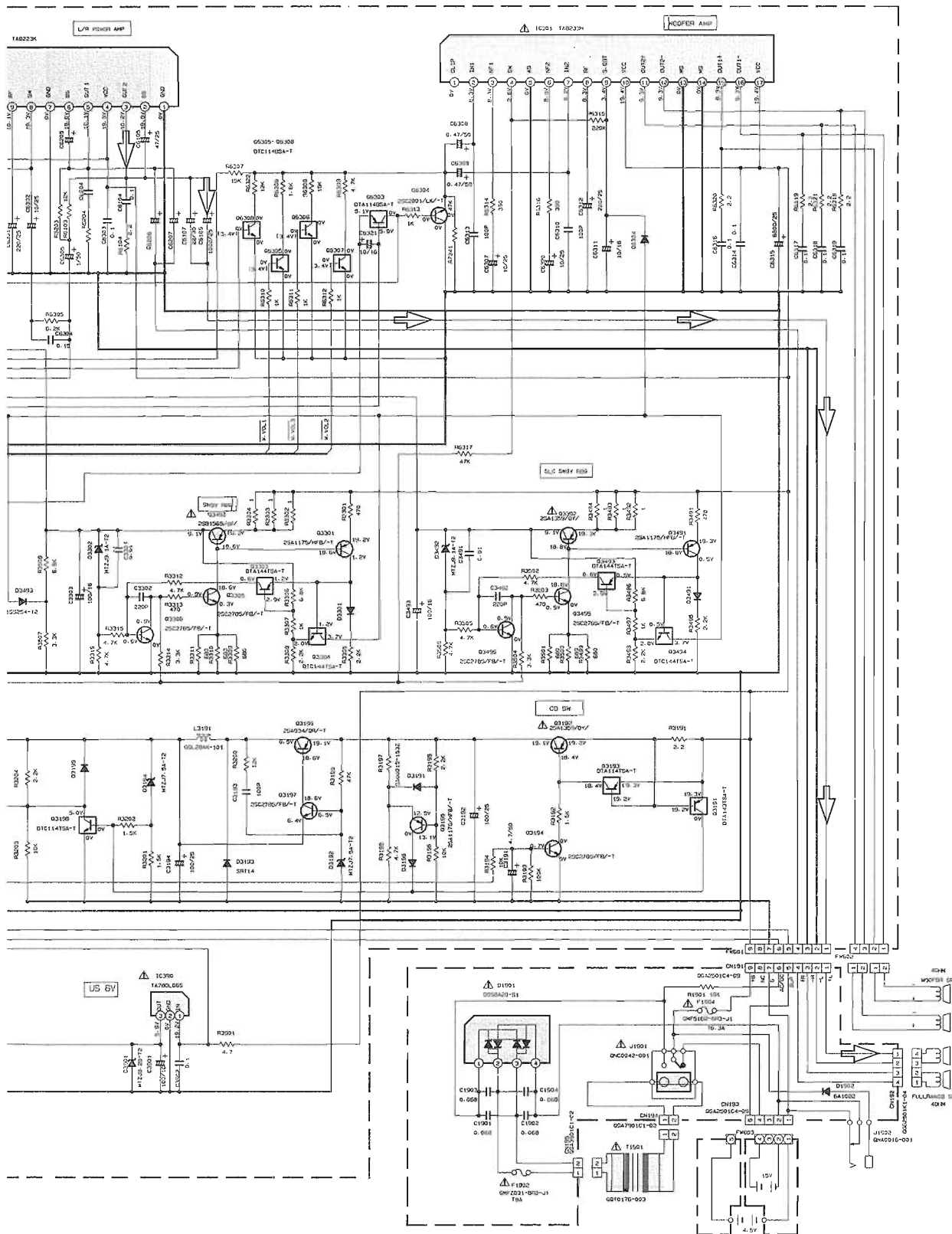
■ Switch P. C. B.

BLOCK NO. 12

A. REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 210	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R 211	NRSA02J-333X	MG RESISTOR	33K 5% 1/10W	
R 212	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R 213	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R 214	NRSA02J-272X	MG RESISTOR	2.7K 5% 1/10W	
R 216	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R 221	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R 301	NRS181J-221X	MG RESISTOR	220 5% 1/8W	
R 303	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
R 304	NRS181J-101X	MG RESISTOR	100 5% 1/8W	
R 305	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R 306	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R 310	NRS181J-560X	MG RESISTOR	56 5% 1/8W	
R 311	NRS181J-560X	MG RESISTOR	56 5% 1/8W	
R 313	NRSA02J-3R3VY	RES. C.M	3.3 5% 1/10W	
R 314	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
R 315	NRSA02J-100X	MG RESISTOR	10 5% 1/10W	
R 316	NRSA02J-223X	RES. C.M	22K 5% 1/10W	
R 317	NRSA02J-100X	MG RESISTOR	10 5% 1/10W	
R 319	NRSA02J-152X	MG RESISTOR	1.5K 5% 1/10W	
R 322	NRSA02J-152X	MG RESISTOR	1.5K 5% 1/10W	
R 327	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	
R 332	NRSA02J-123X	RES. C.M	12K 5% 1/10W	
R 333	NRSA02J-123X	RES. C.M	12K 5% 1/10W	
R 335	NRSA02J-152X	MG RESISTOR	1.5K 5% 1/10W	
R 336	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
R 337	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
R 338	NRSA02J-392X	MG RESISTOR	3.9K 5% 1/10W	
R 339	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
R 340	NRS181J-391X	RES. C.M	390 5% 1/8W	
R 341	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	
R 342	NRSA02J-203X	MG RESISTOR	20K 5% 1/10W	
R 343	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	
R 351	NRSA02J-683X	MG RESISTOR	68K 5% 1/10W	
R 352	NRSA02J-912X	RES. C.M	9.1K 5% 1/10W	
R 371	NRSA02J-123X	RES. C.M	12K 5% 1/10W	
R 372	NRSA02J-102X	RES. C.M	1.0K 5% 1/10W	
R 375	NRSA02J-151X	MG RESISTOR	150 5% 1/10W	
R 376	NRSA02J-472X	RES. C.M	4.7K 5% 1/10W	
VR 31	QVP0008-503Z	SEMI V RESISTOR	BIAS ADJ	
VR 32	QVP0008-503Z	SEMI V RESISTOR	BIAS ADJ	
VR 37	QVP0008-103Z	SEMI V RESISTOR	TAPE SPEED ADJ	

BLOCK NO. 13

A. REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CN 1	GGB201111-10	10P PLUG ASSY		
D 1	1SR139-100-T2	SI DIODE		
IC 1	SG-105F3-8B-C	PHOTO SENSER		
P 1	GN70104-001	POST PIN		
SW 1	MXS00220MVLO	CASSETTE SWITCH	R-REC	
SW 2	MXS00220MVLO	CASSETTE SWITCH	TAPE	
SW 4	MXS00220MVLO	CASSETTE SWITCH	70U	
SW 5	MXS00220MVLO	CASSETTE SWITCH	F.REC	
SW 6	QSW0507-001	SWITCH		



NOTE: VALUES ARE IN μ H, μ F, μ INCH.
 CAPACITORS ARE SHOWN IN THE FORM
 VALUE (F) / RATED VOLTAGE (V).
 RESISTORS ARE 5% TOLERANCE UNLESS
 OTHERWISE SPECIFIED.
 RESISTORS ARE 5% TOLERANCE UNLESS
 OTHERWISE SPECIFIED.

➡ OUTPUT SIGNAL
 ➡ INPUT SIGNAL

E

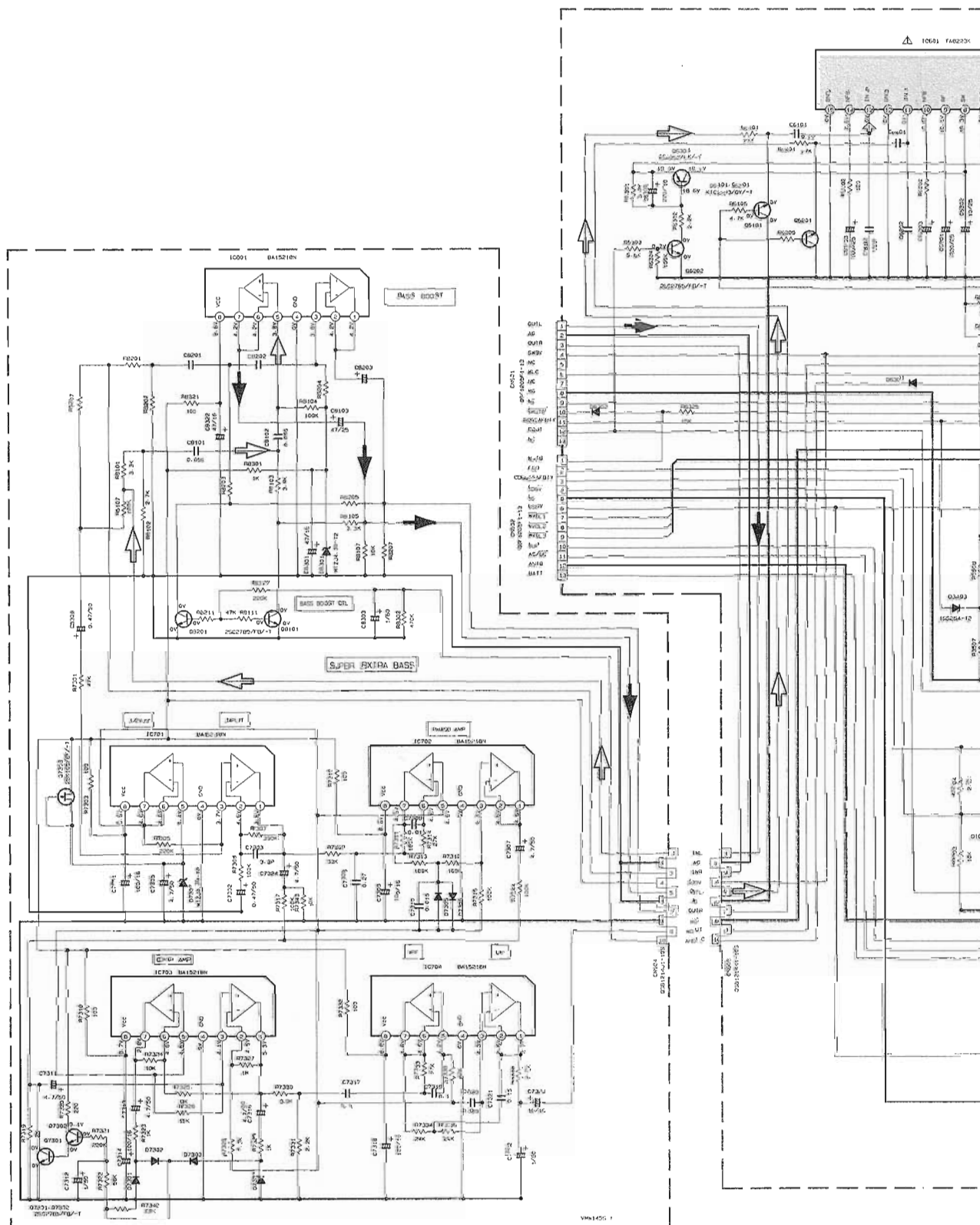
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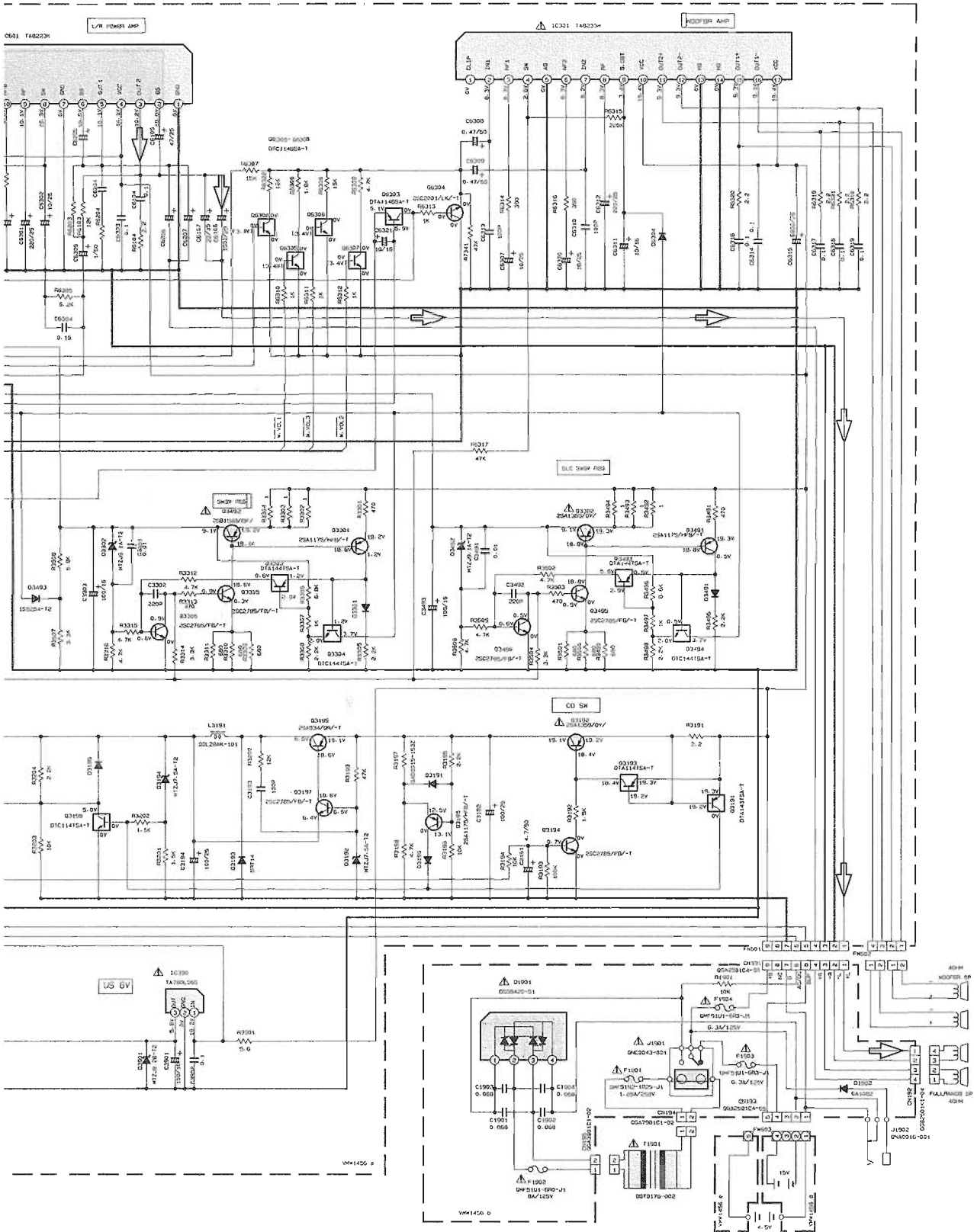
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■ Power Supply & Power Amplifier Circuit (RV-B99 J)





RESISTANCE VALUES ARE IN OHMS UNLESS OTHERWISE SPECIFIED.
CAPACITANCE VALUES ARE IN PICO FARADS (P) UNLESS OTHERWISE SPECIFIED.
RESISTANCE VALUES ARE IN KILOHMS (K) UNLESS OTHERWISE SPECIFIED.
RESISTANCE VALUES ARE IN MEGAHMS (M) UNLESS OTHERWISE SPECIFIED.

➡ OUTPUT SIGNAL
➡ INPUT SIGNAL

■ Power Supply & Power Amplifier Circuit (RV-B99 UB/UT/UY/UX/US/U)

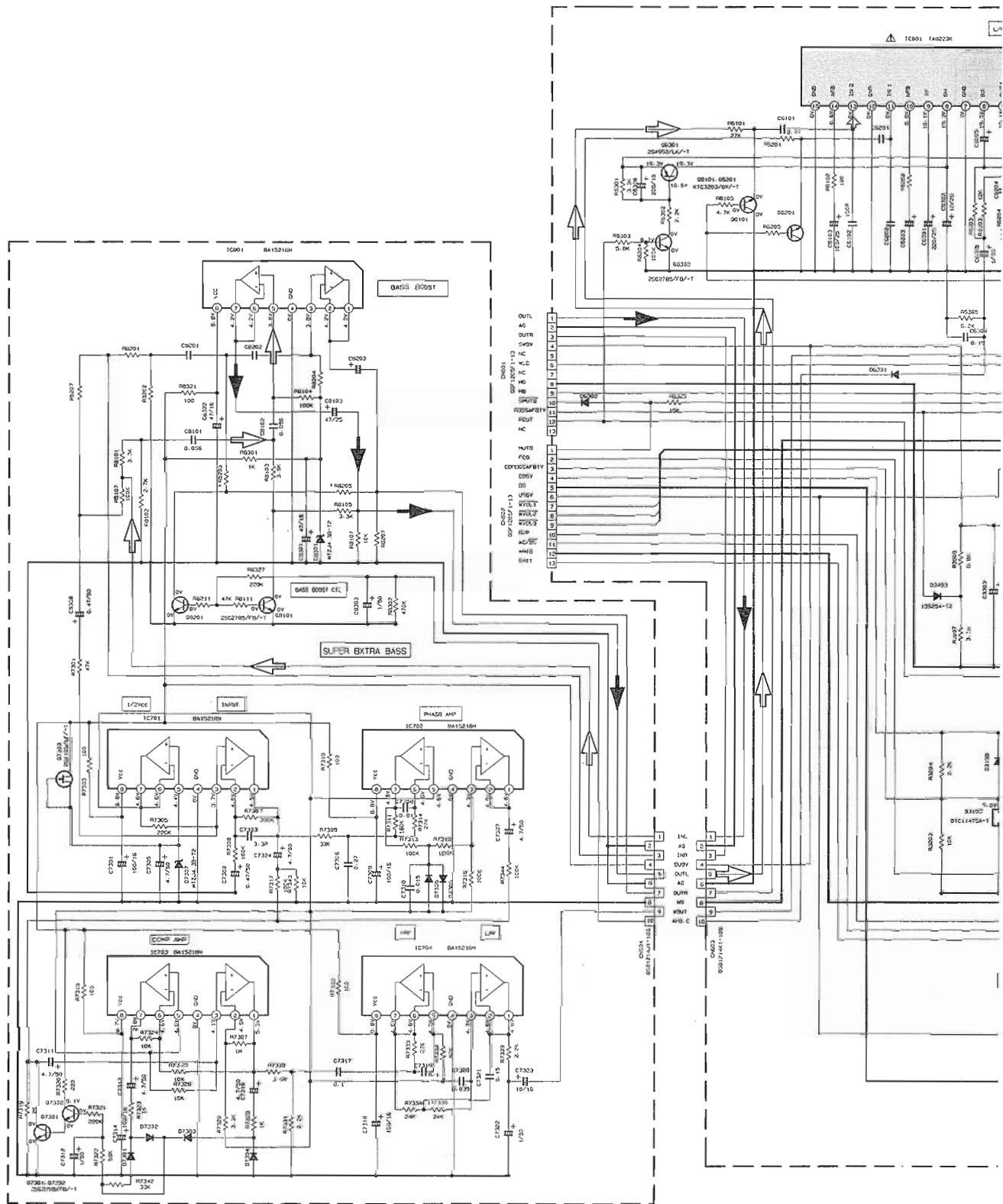
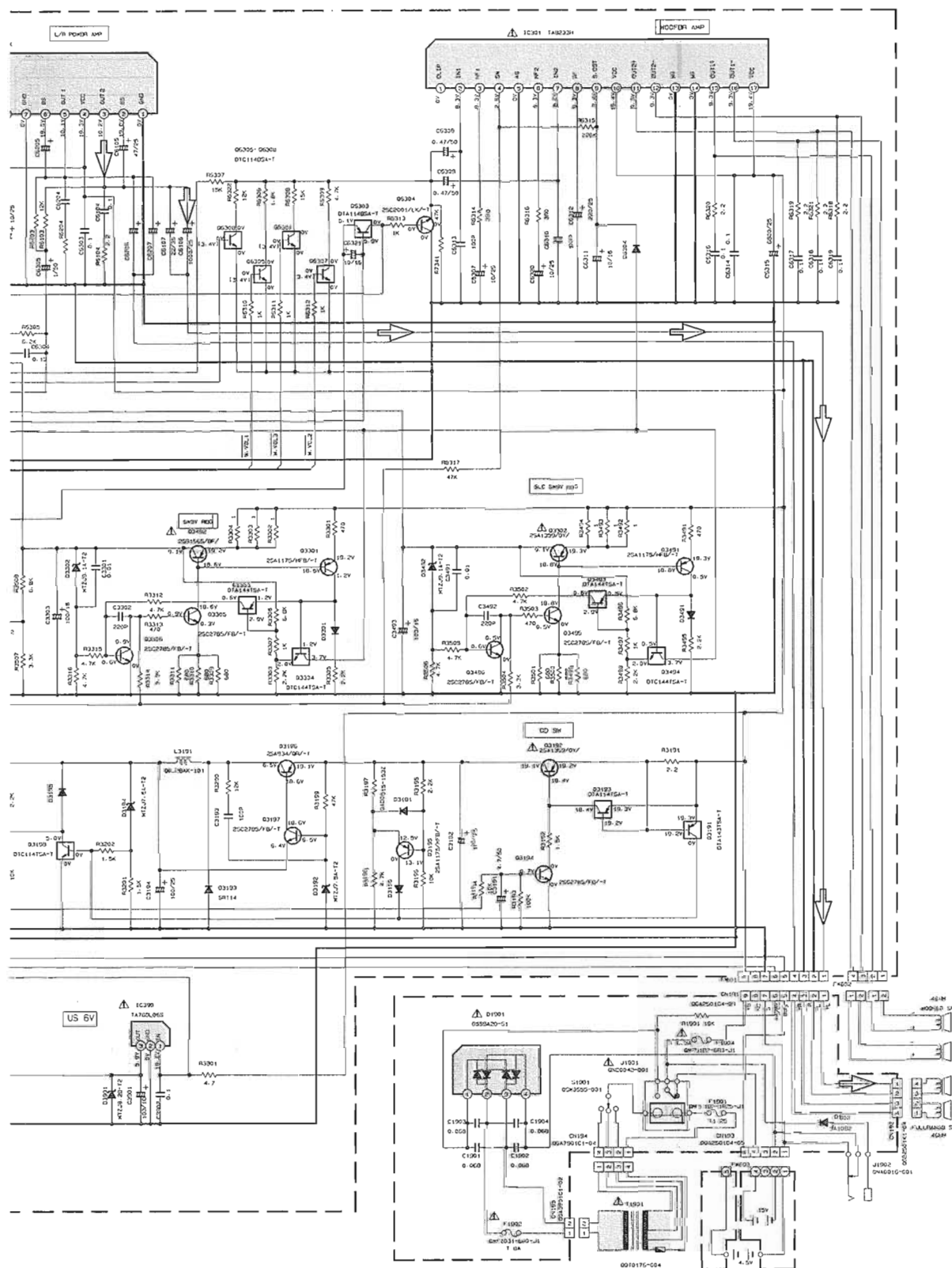


TABLE 1 DIGITAL TRANSISTOR

DT11404A	DT11405A	DT11410A	DT11415A	DT11417A	DT11419A	DT11421A	DT11423A
10K	10K	10K	10K	10K	10K	10K	10K

- NOTE
1. VOLTAGES ARE MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION -- CD STOP MODE.
 2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON FILM. ALL RESISTANCE VALUES ARE IN OHMS. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN PICOPI.

ALL INDICATED VALUES ARE IN ALL B. CAPACITORS ARE 50V. OF CAPACITORS (6.3V/50V). ALL DIODES ARE 1SS254 (OR 1). ALL VPM TRANSISTOR ARE 2SD2. ALL PNP TRANSISTOR ARE 2SA1.



ALUES ARE IN PARENTHESES).
ARE SHOWN IN THE FORM
OF FLUATED VOLTAGE (V).
SS254 (OR MS5104TJ OR MA105)
OR ARE 2SC2785/BF/-T
OR ARE 2SA1175/EP/-T

 OUTPUT SIGNAL
 INPUT SIGNAL

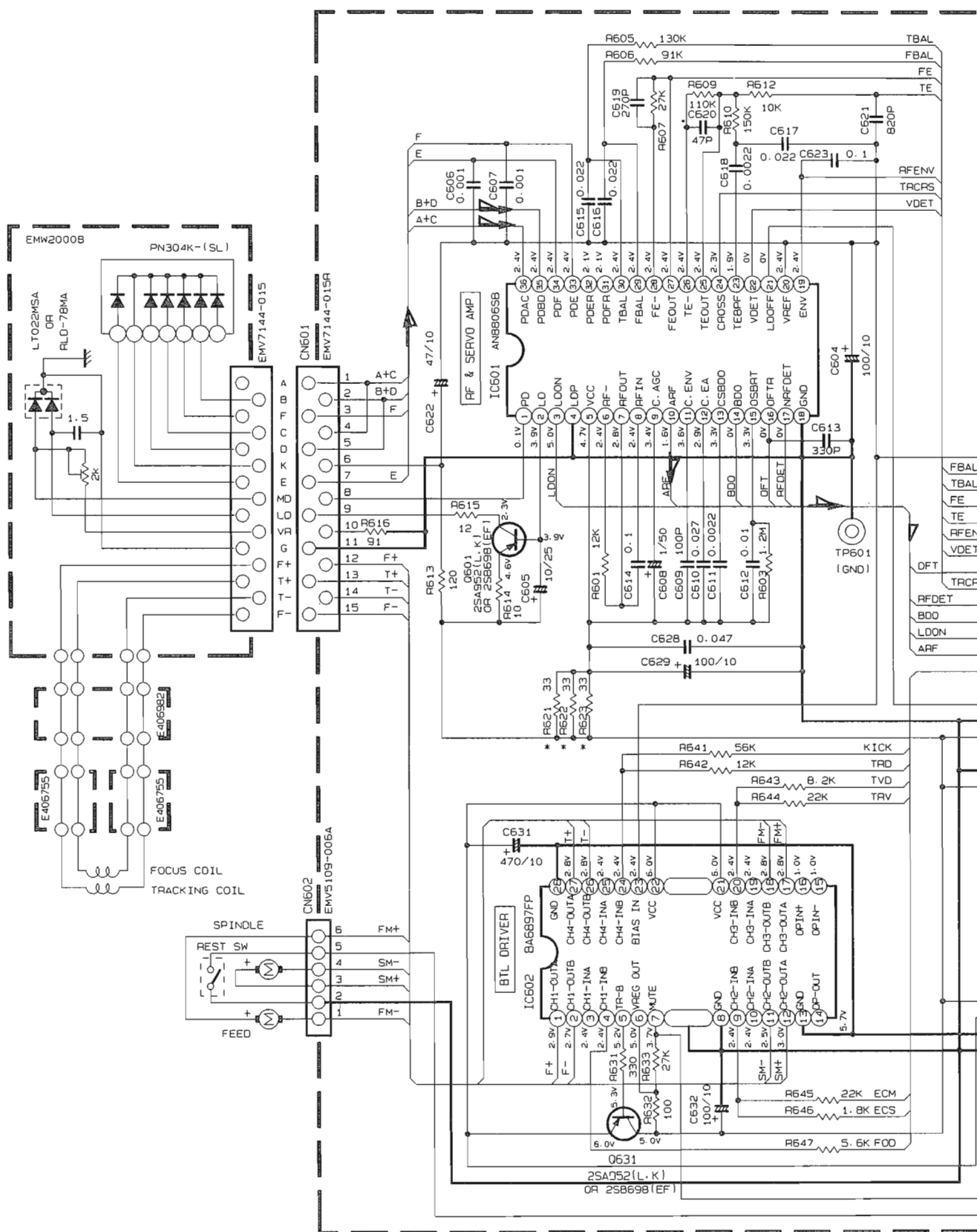
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CD Servo Control Circuit

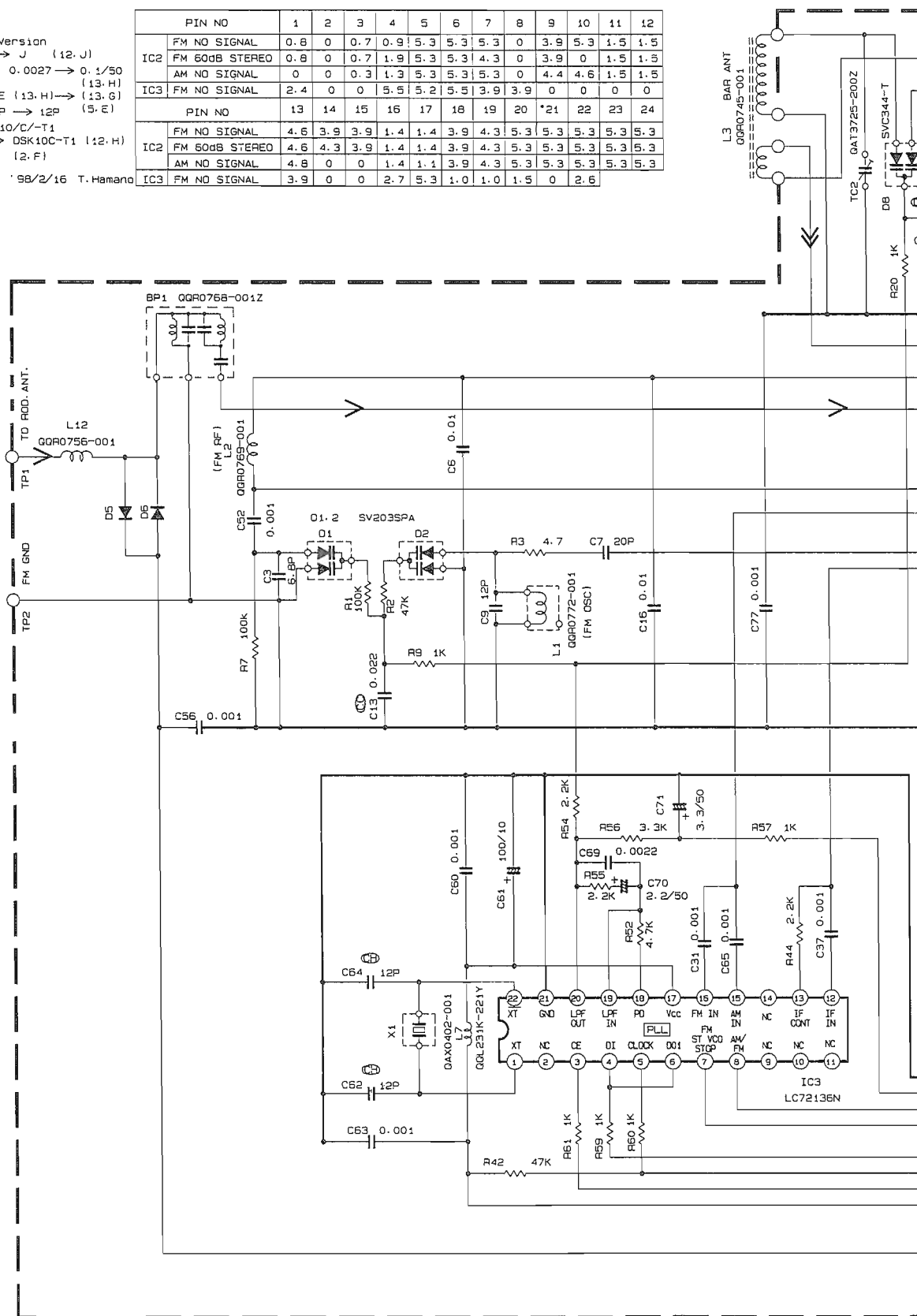




■ Tuner Circuit (RV-B99 J/C)

△ Change Version
J/C → J (12.J)
C49/C50 0.0027 → 0.1/50 (13.H)
C49 MOVE (13.H) → (13.G)
C9 2.2P → 12P (5.E)
D12 DSK10/C-T1 → DSK10C-T1 (12.H)
DEL R99 (2.F)
G(3508) '98/2/16 T.Hamano

PIN NO	1	2	3	4	5	6	7	8	9	10	11	12
IC2 FM NO SIGNAL	0.8	0	0.7	0.9	5.3	5.3	5.3	0	3.9	5.3	1.5	1.5
IC2 FM 60dB STEREO	0.8	0	0.7	1.9	5.3	5.3	4.3	0	3.9	0	1.5	1.5
IC2 AM NO SIGNAL	0	0	0.3	1.3	5.3	5.3	5.3	0	4.4	4.6	1.5	1.5
IC3 FM NO SIGNAL	2.4	0	0	5.5	5.2	5.5	3.9	3.9	0	0	0	0
PIN NO	13	14	15	16	17	18	19	20	*21	22	23	24
IC2 FM NO SIGNAL	4.6	3.9	3.9	1.4	1.4	3.9	4.3	5.3	5.3	5.3	5.3	5.3
IC2 FM 60dB STEREO	4.6	4.3	3.9	1.4	1.4	3.9	4.3	5.3	5.3	5.3	5.3	5.3
IC2 AM NO SIGNAL	4.8	0	0	1.4	1.1	3.9	4.3	5.3	5.3	5.3	5.3	5.3
IC3 FM NO SIGNAL	3.9	0	0	2.7	5.3	1.0	1.0	1.5	0	2.6		

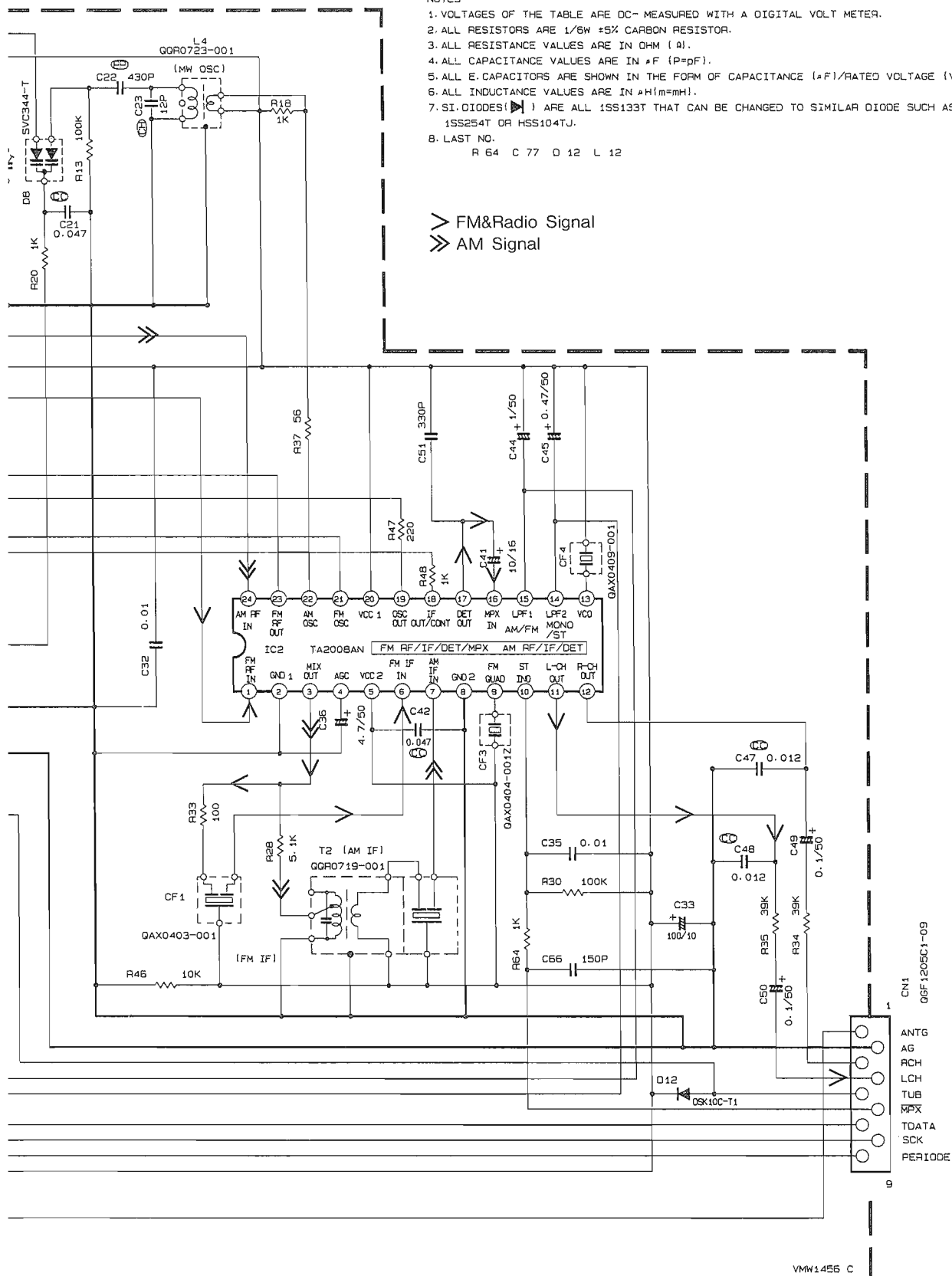


NOTES

1. VOLTAGES OF THE TABLE ARE DC- MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/8W $\pm 5\%$ CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM (Ω).
4. ALL CAPACITANCE VALUES ARE IN μF ($P=pF$).
5. ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
6. ALL INDUCTANCE VALUES ARE IN μH ($m=mH$).
7. SI-DIODES(\triangleright) ARE ALL 1SS133T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS 1SS254T OR HSS104TJ.
8. LAST NO.

R 64 C 77 D 12 L 12

\triangleright FM&Radio Signal
 $\triangleright\triangleright$ AM Signal



VMW1455 C

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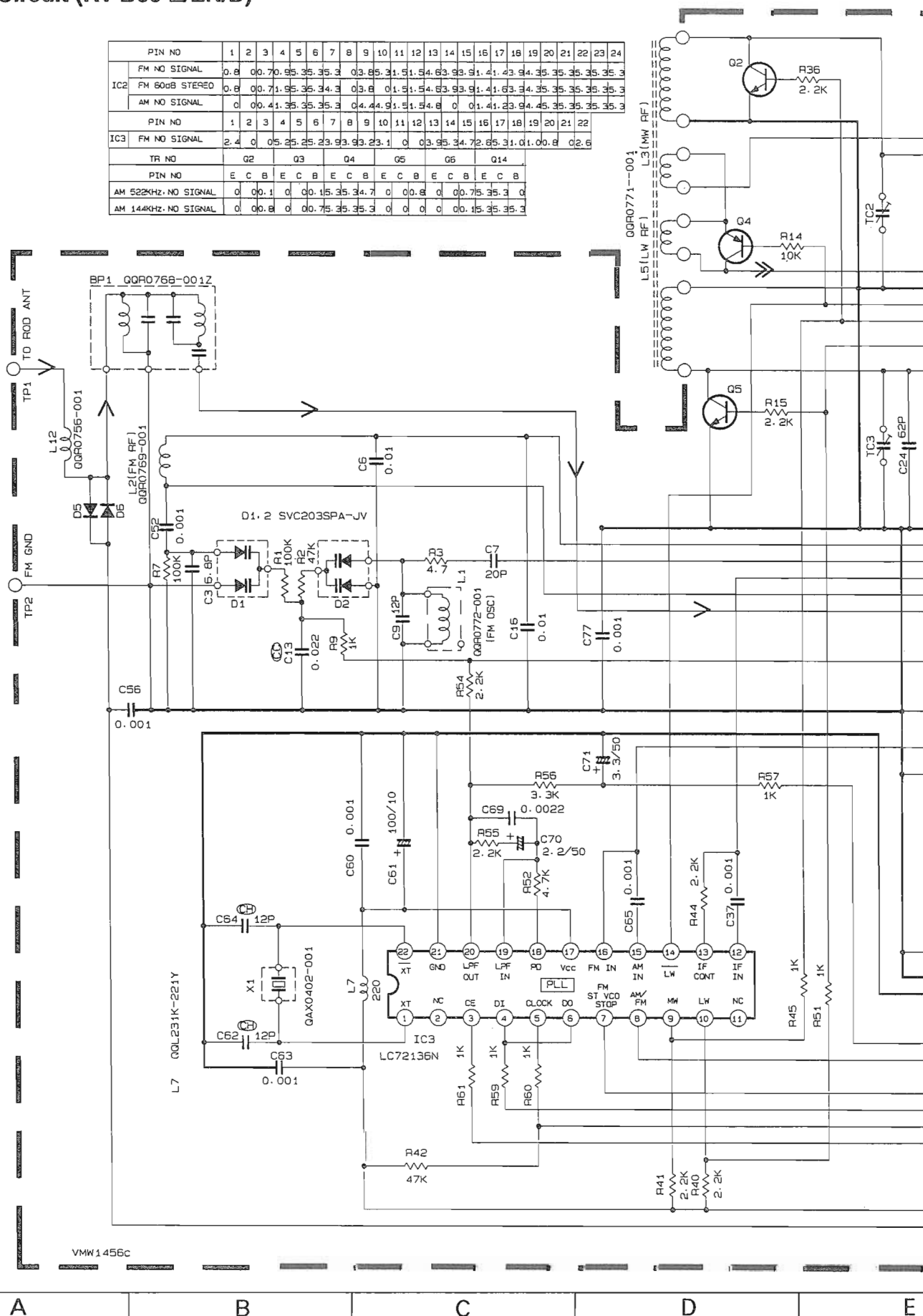
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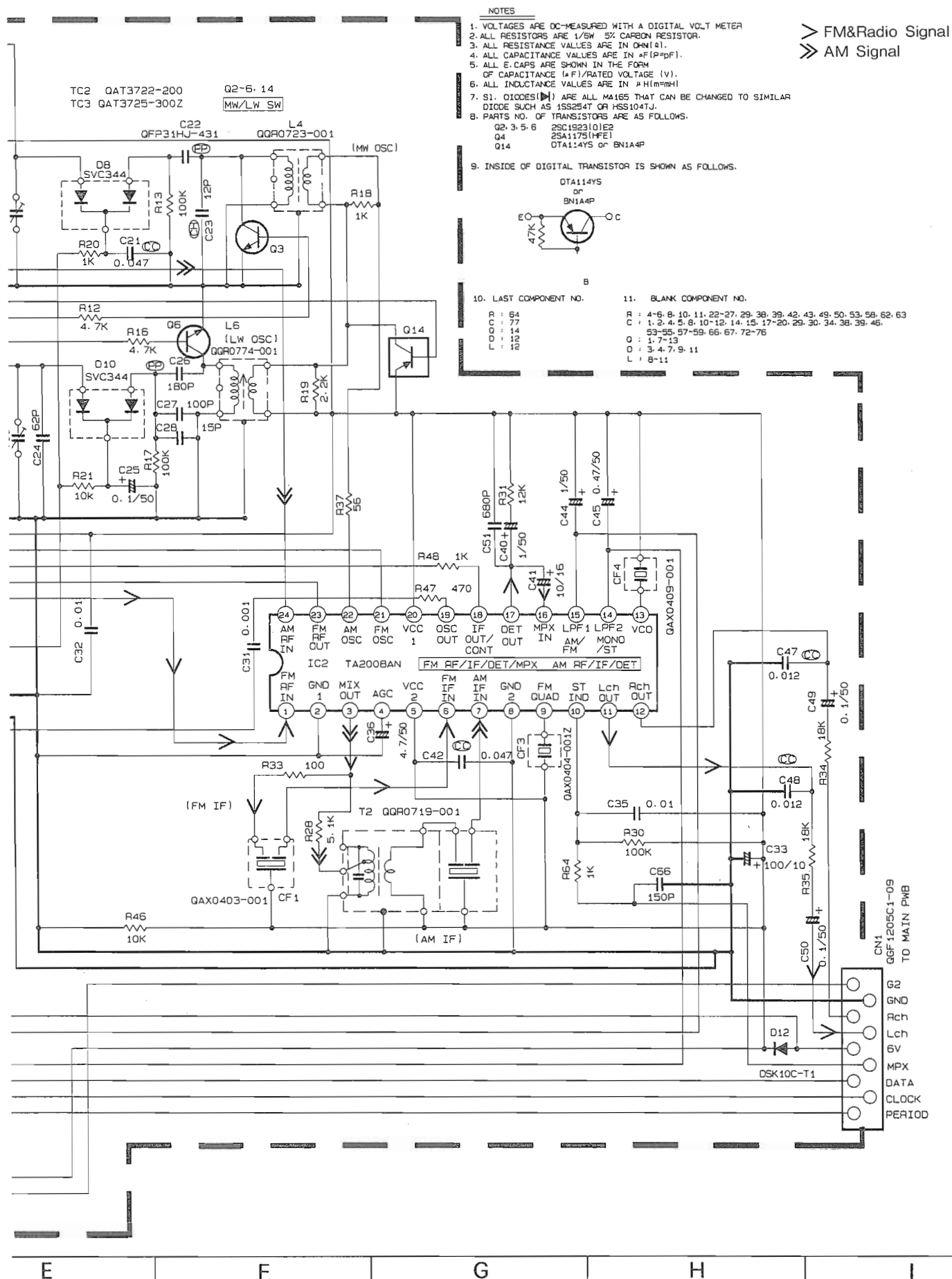
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Tuner Circuit (RV-B99 E/EN/B)

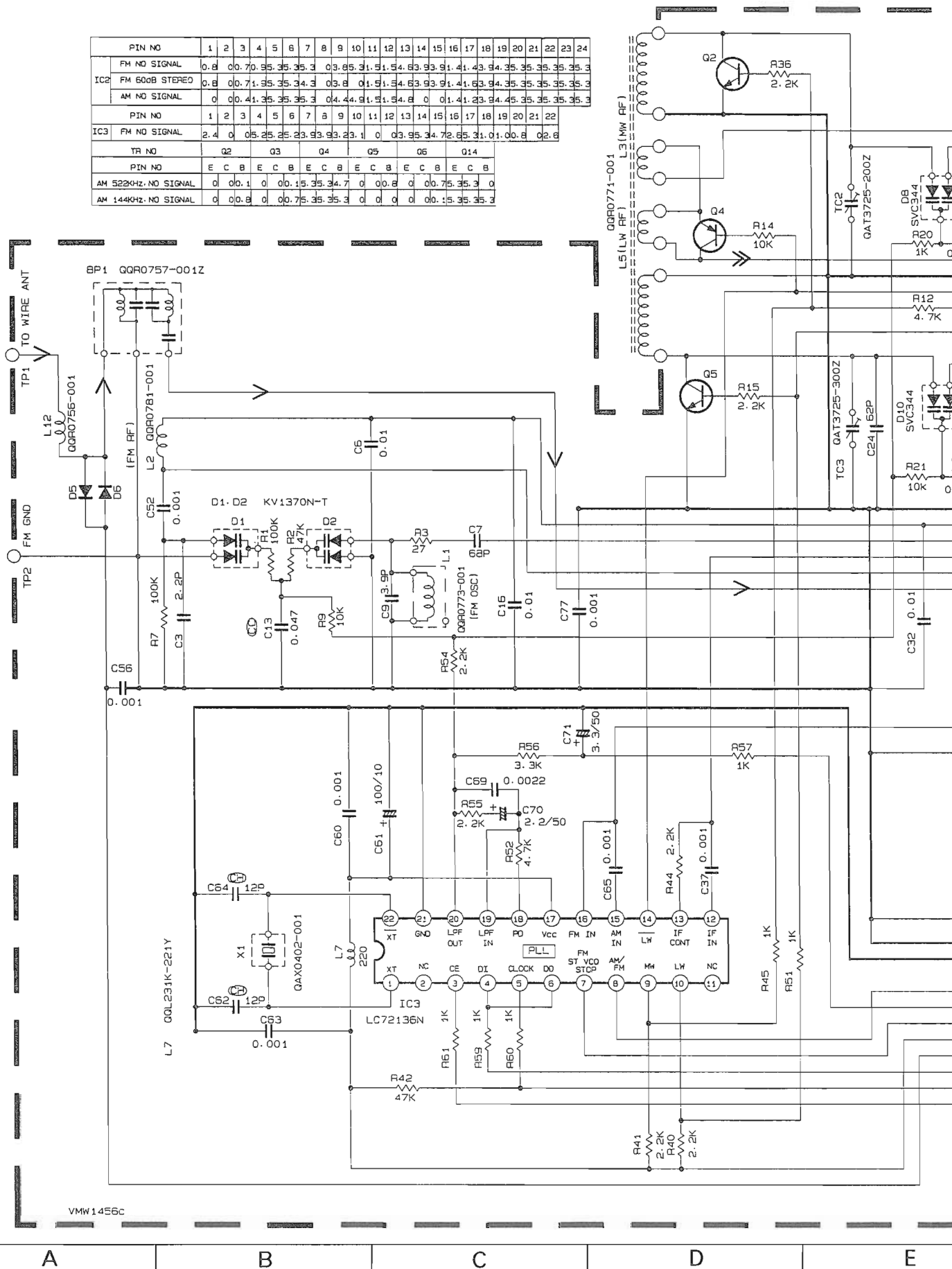
PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FM NO SIGNAL	0.8	0.0	70.95	35.35	3.3	0.3	85.31	51.54	63.93	91.41	43.94	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35
FM 60dB STEREO	0.8	0.0	71.95	35.35	3.3	0.3	86.31	51.54	63.93	91.41	43.94	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35
AM NO SIGNAL	0	0.0	41.35	35.35	3.3	0.4	44.91	51.54	63.93	91.41	41.23	94.45	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35	35.35
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
FM NO SIGNAL	2.4	0	0.5	25.25	23.93	93.23	1	0	0.3	95.34	72.65	31.01	0.0	0	0.2	6								
TR NO	Q2	Q3	Q4	Q5	Q6	Q14																		
PIN NO	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AM 52KHZ. NO SIGNAL	0	0.0	1	0	0.0	15.35	34.7	0	0.0	8	0	0.0	75.35	3	0									
AM 144KHZ. NO SIGNAL	0	0.0	8	0	0.0	75.35	35.3	0	0	0	0	0	0.0	15.35	35.3									

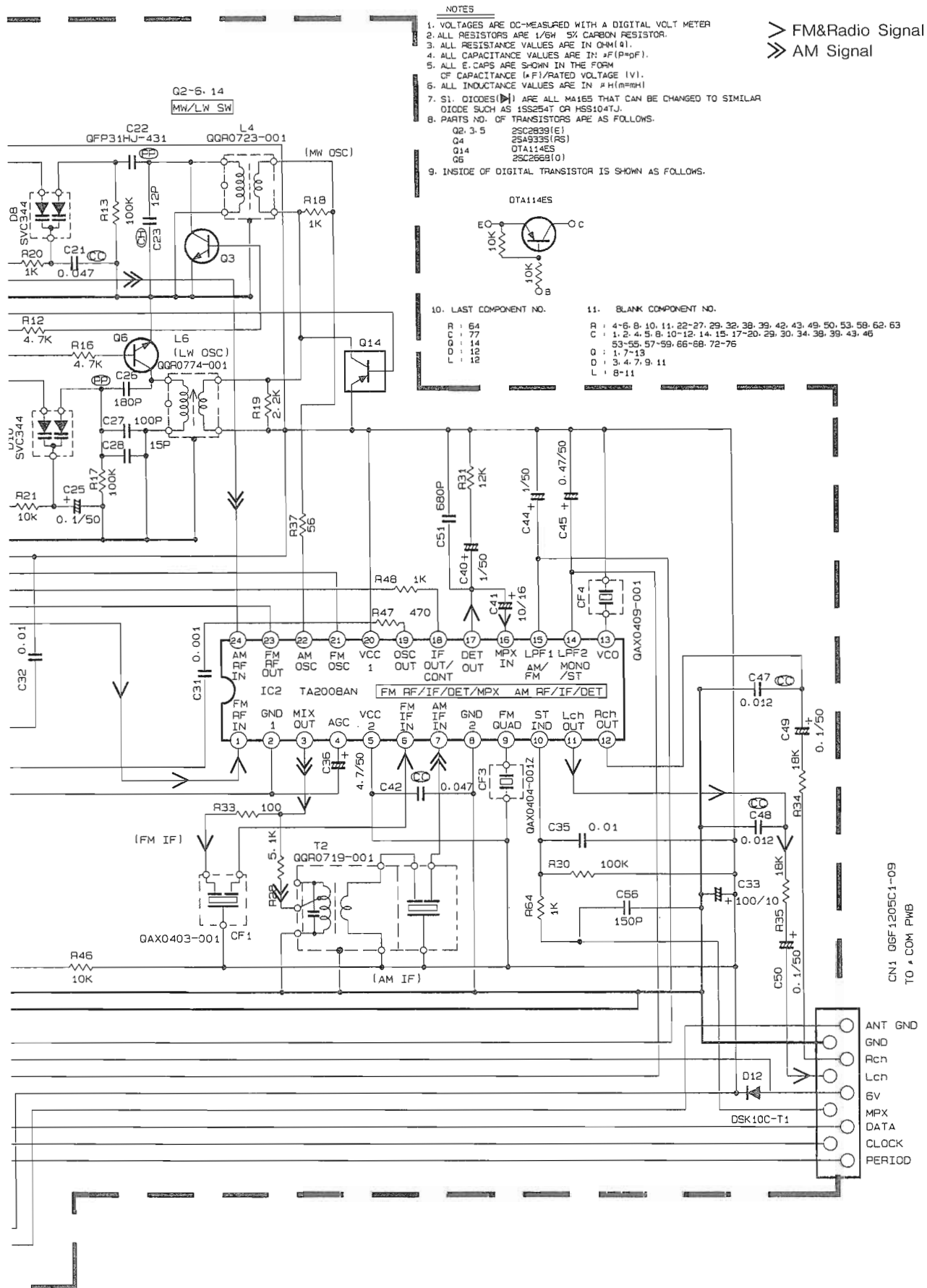




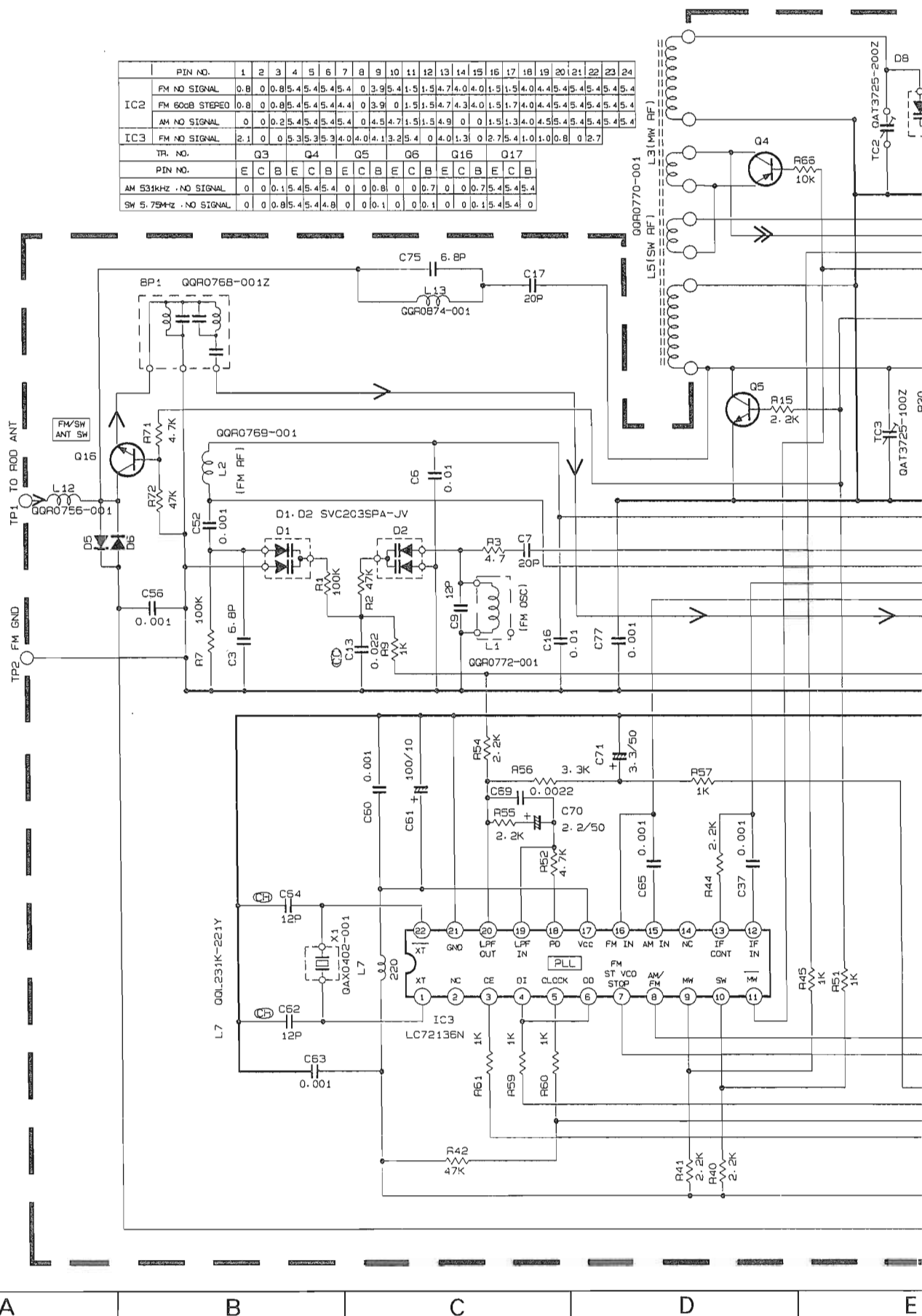
■ Tuner Circuit (RV-B99 EE/EV)

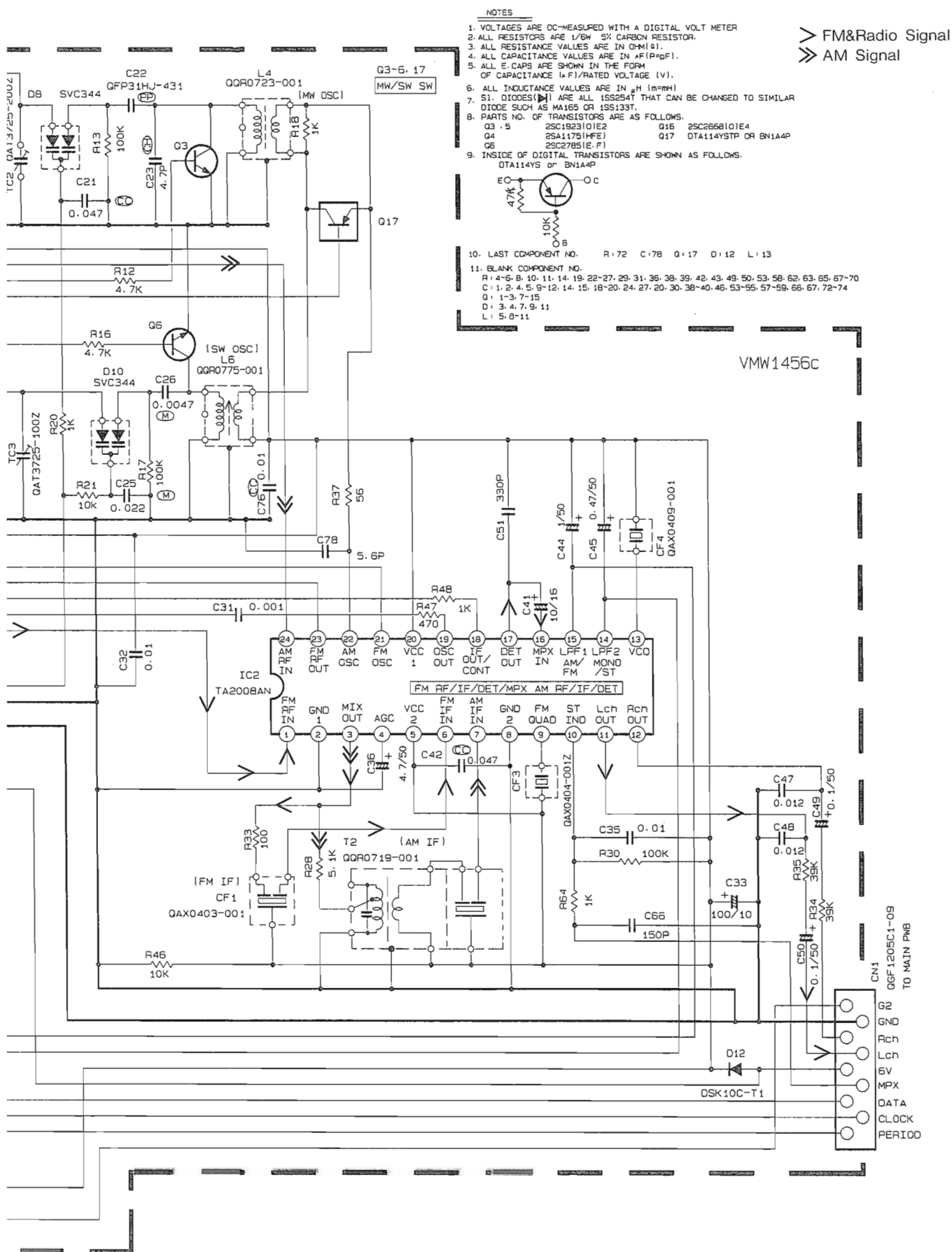
PIN NO		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC2	FM NO SIGNAL	0.8	0.0	7.0	9.5	3.5	3.5	3	0	3.8	6.5	3.1	5.1	5.4	6.3	9.3	9.1	4.1	4.3	9.4	3.5	3.5	3.5	3.5	3.5
	FM 600B STEREO	0.8	0.0	7.1	3.5	3.5	3.4	3	0	3.8	0	1	5.1	5.4	6.3	9.3	9.1	4.1	6.3	9.4	3.5	3.5	3.5	3.5	3.5
	AM NO SIGNAL	0	0	4.1	3.5	3.5	3.5	3	0	4.4	4.9	1.5	1.5	1.4	8	0	0	1.1	4.1	2.3	6.4	4.5	3.5	3.5	3.5
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
IC3	FM NO SIGNAL	2.4	0	0	5.5	2.5	2.5	2.3	9.3	9.3	2.3	1	0	0	9.3	9.5	3.4	7.2	6.5	3.1	9.1	0.0	0.8	0	2.2
	TR NO	Q2		Q3		Q4		Q5		Q6		Q14													
PIN NO		E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B						
AM 522KHZ: NO SIGNAL		0	0	0.1	0	0	0.1	5.5	3.4	7	0	0	0.8	0	0	0.7	5.5	3.5	3	0					
AM 144KHZ: NO SIGNAL		0	0	0.8	0	0	0.8	7.5	3.5	3.5	3	0	0	0	0	0	0.1	5.5	3.5	3.5	3				





Tunere Circuit (RV-B99 U/UT/UY/US/UB/UX)





Printed Circuit Boards

■ Main & Front Board

6

5

4

3

2

1

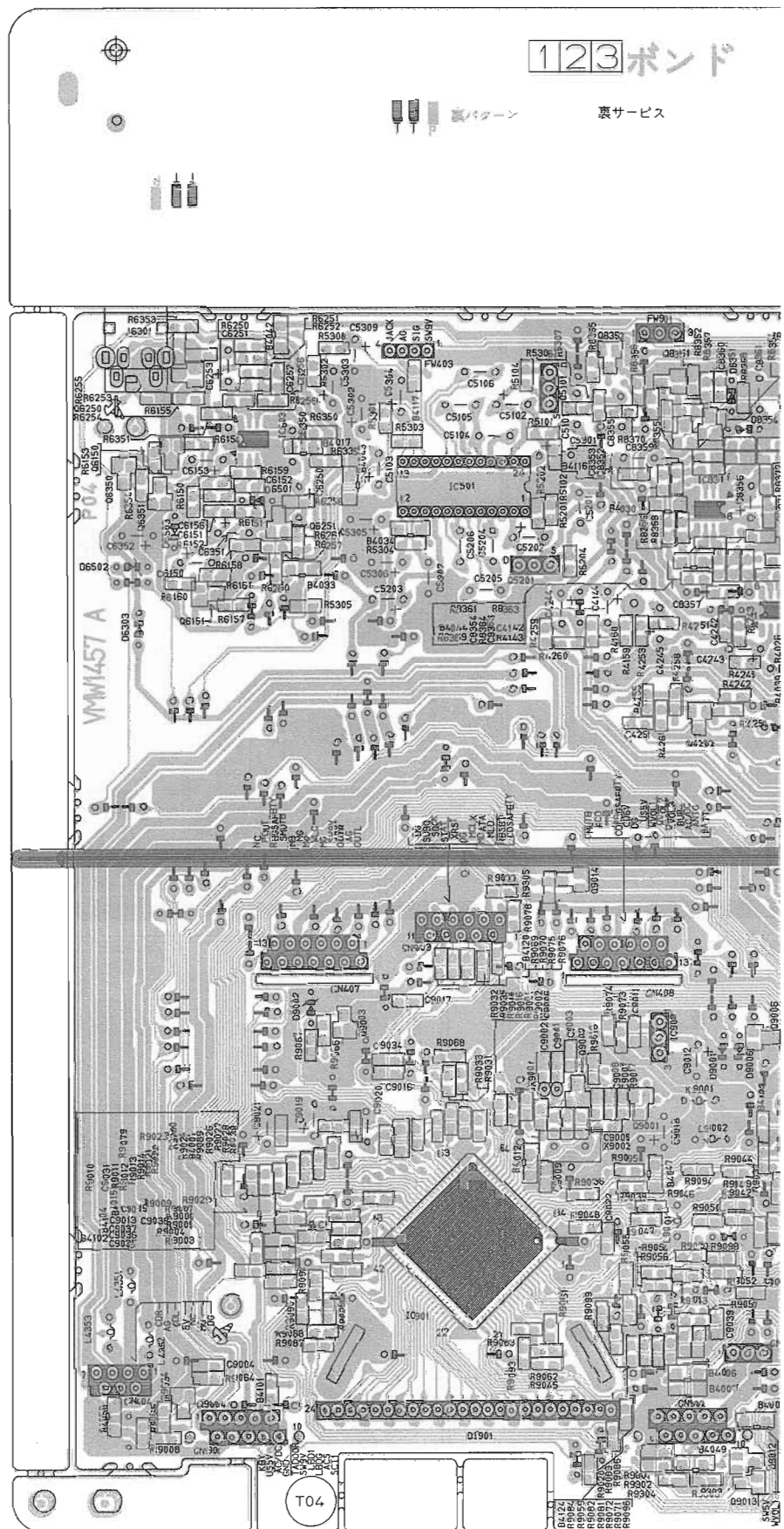
A

B

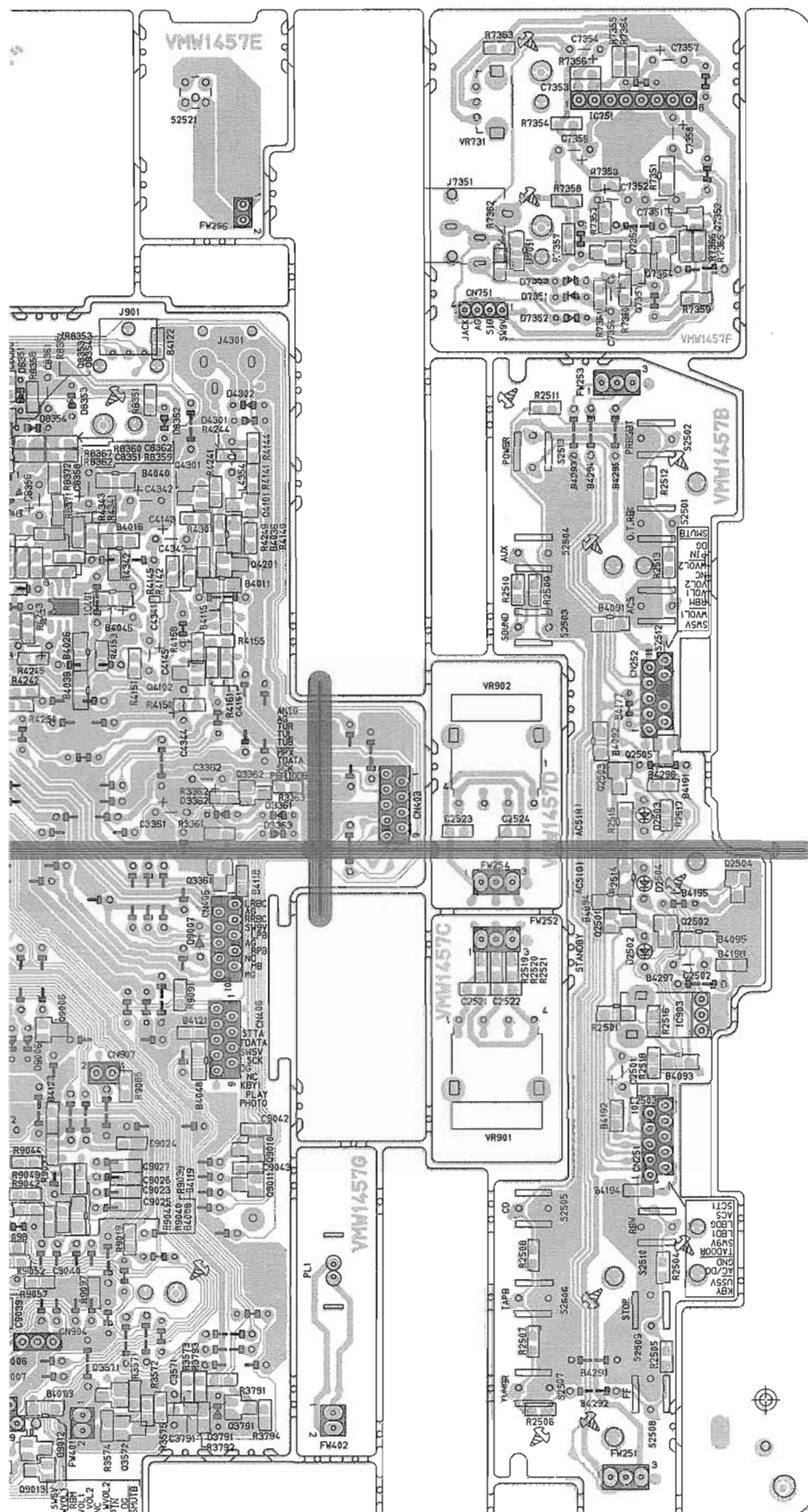
C

D

E



Block No. : 01 02 03



E

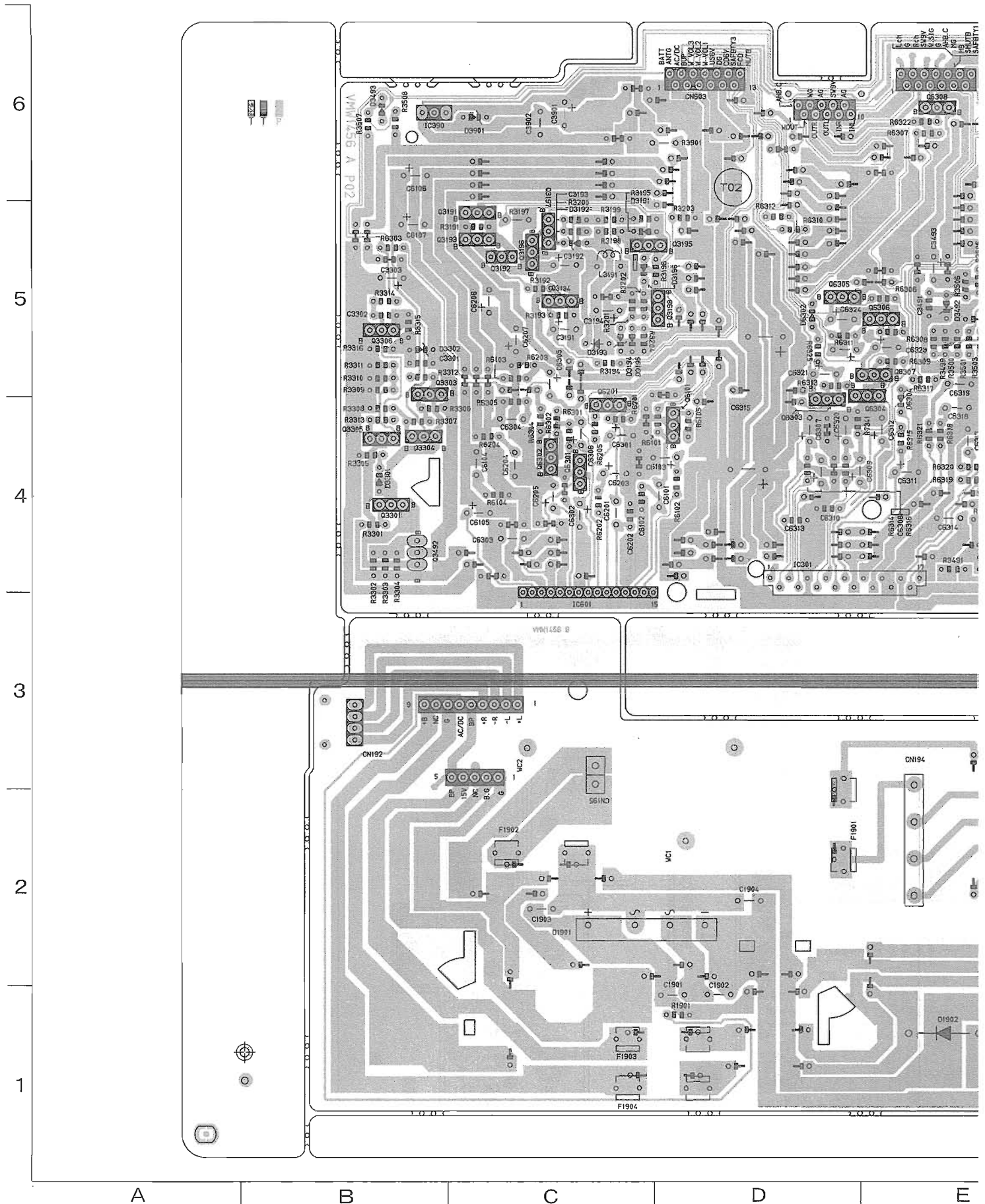
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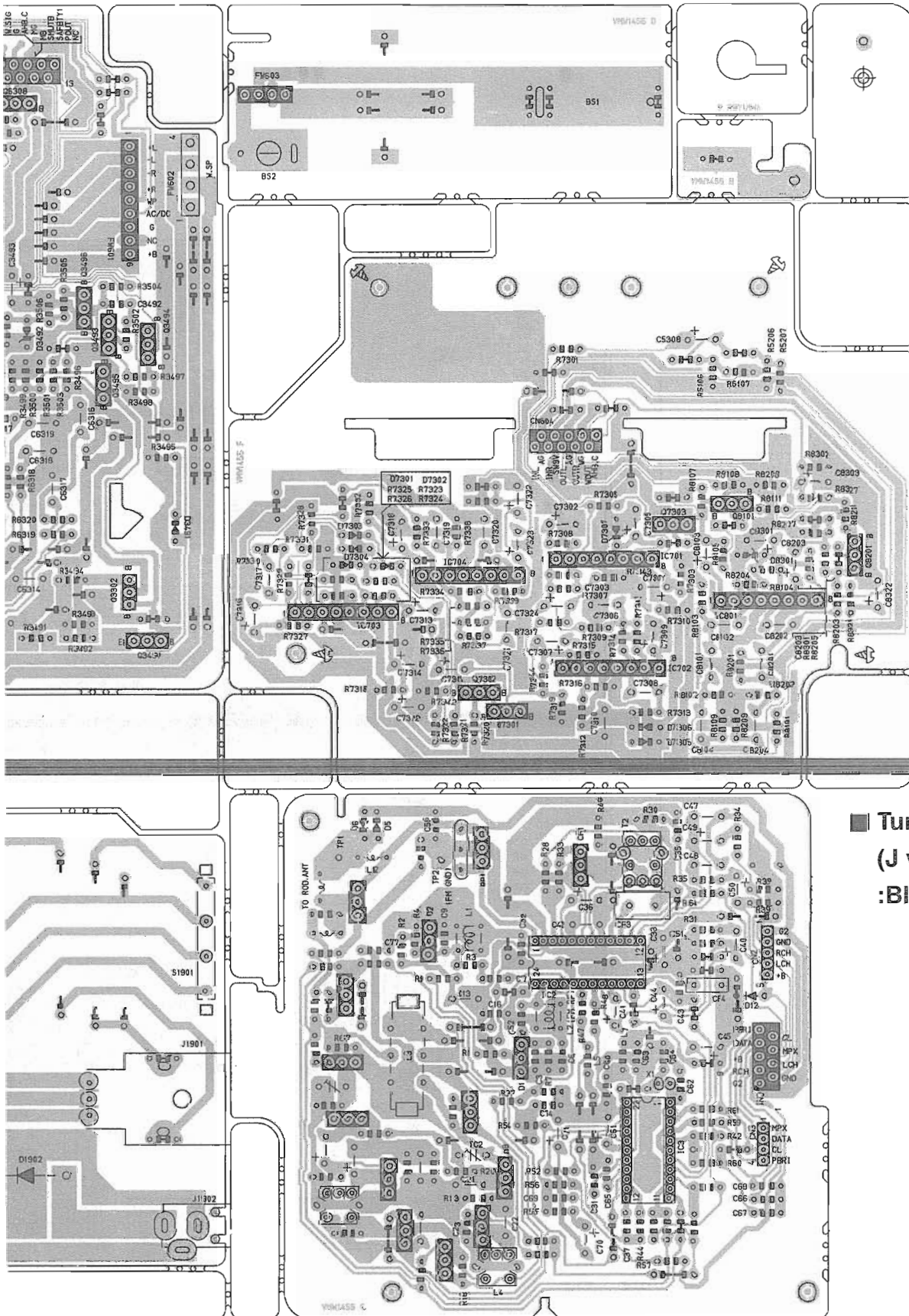
G

H

1

■ Power Supply & Power Amplifier Board (J version only)

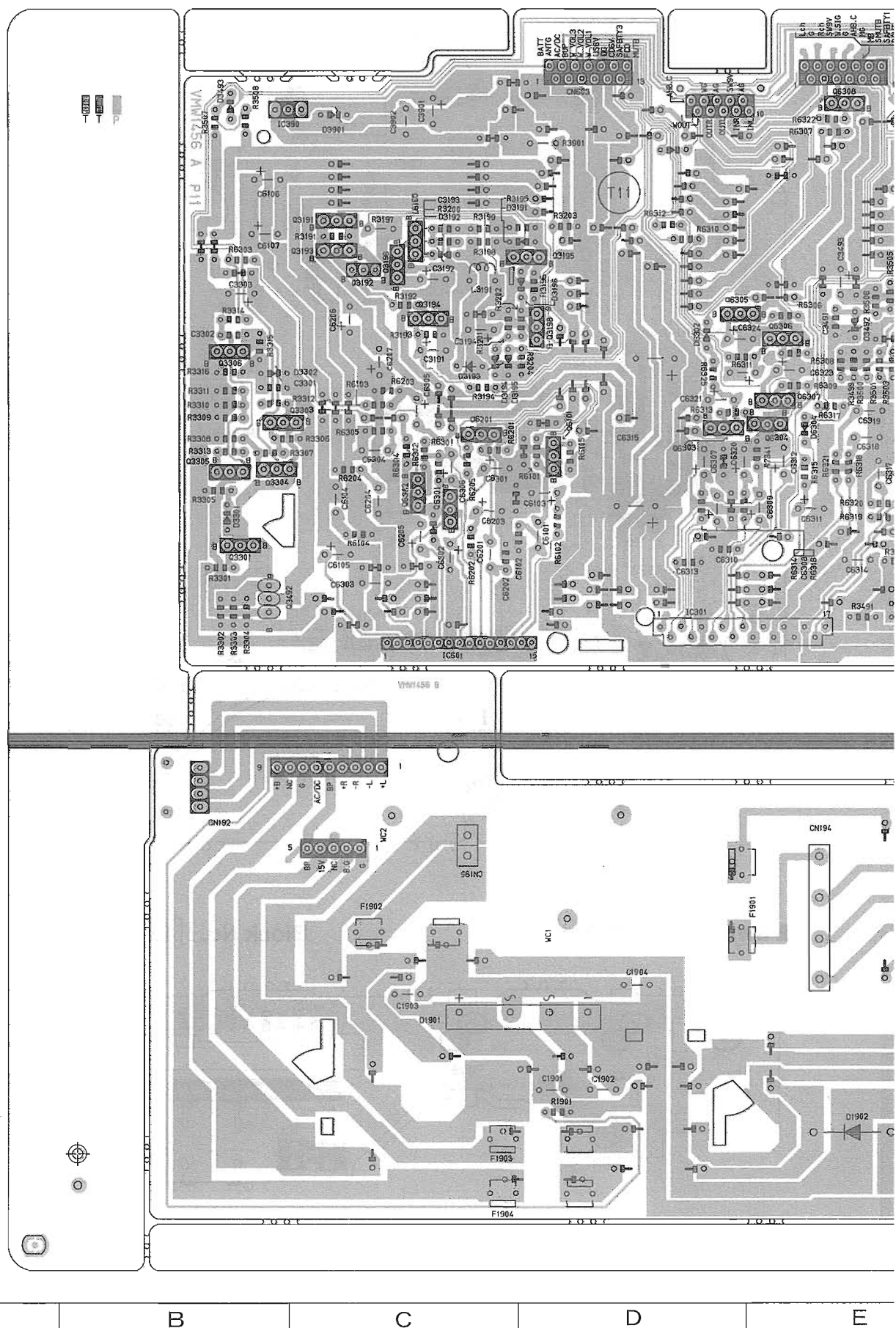




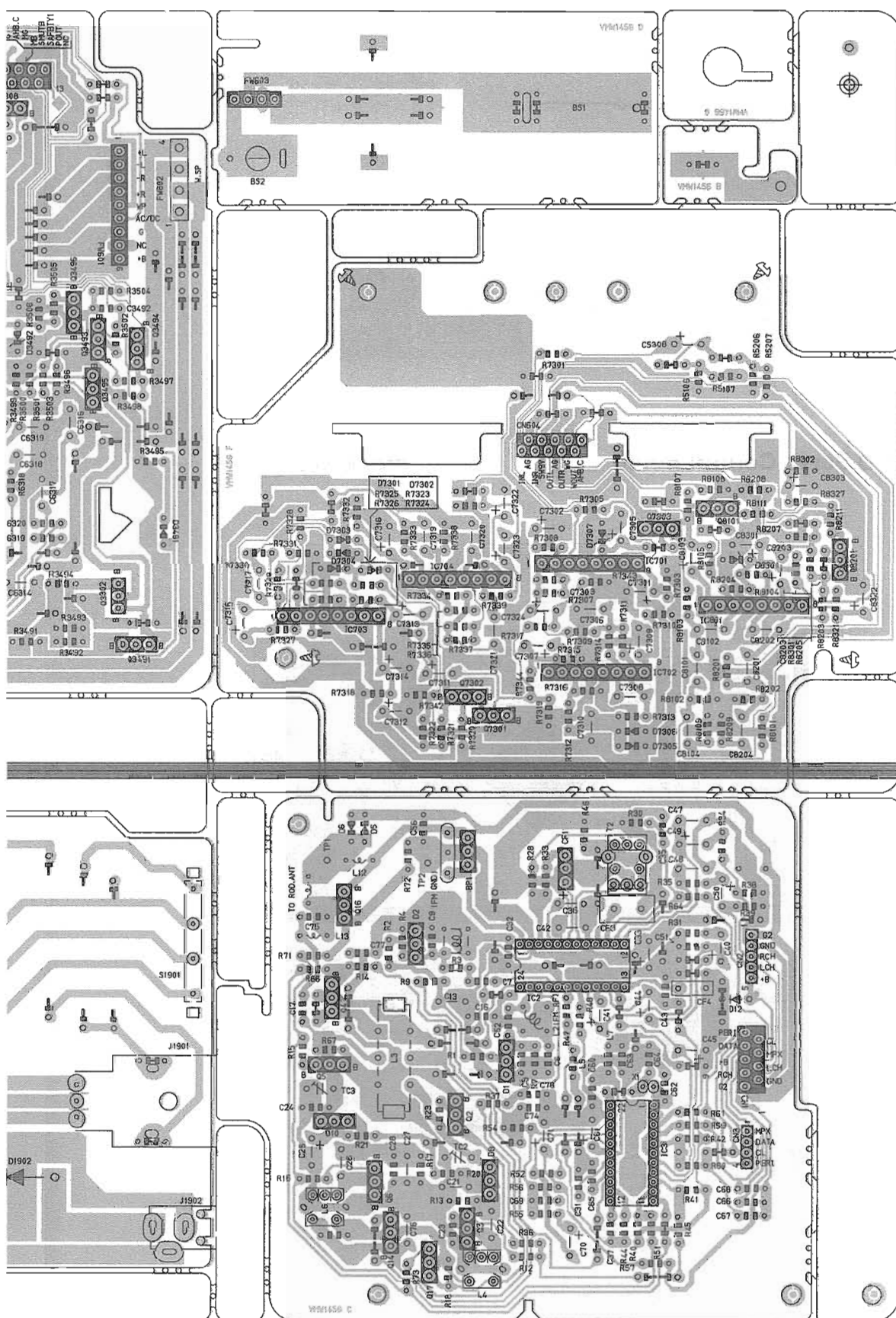
■ **Tuner Board**
(J version only)
:Block No. : **07**

1

■ Power & Tuner & Power Amplifier Board (Other versions)



Block No. : 04 06



E

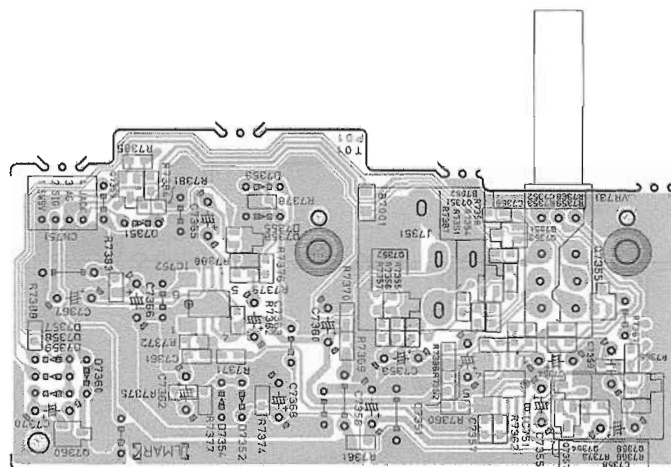
F

G

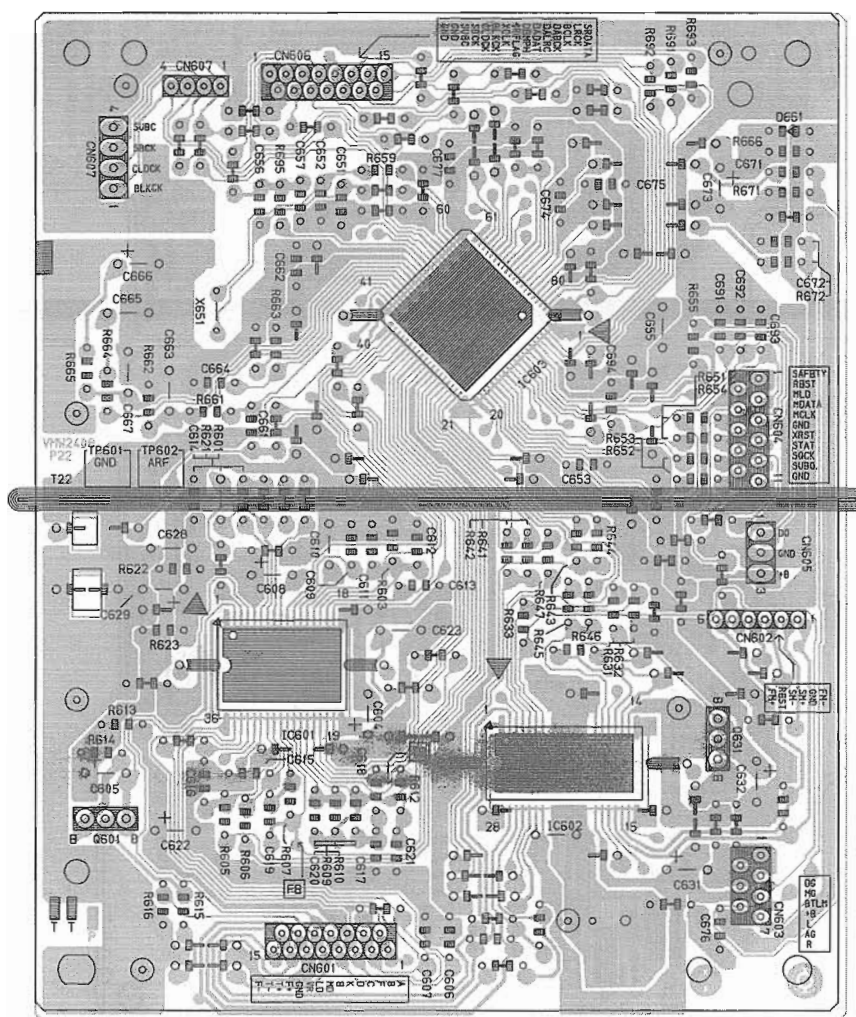
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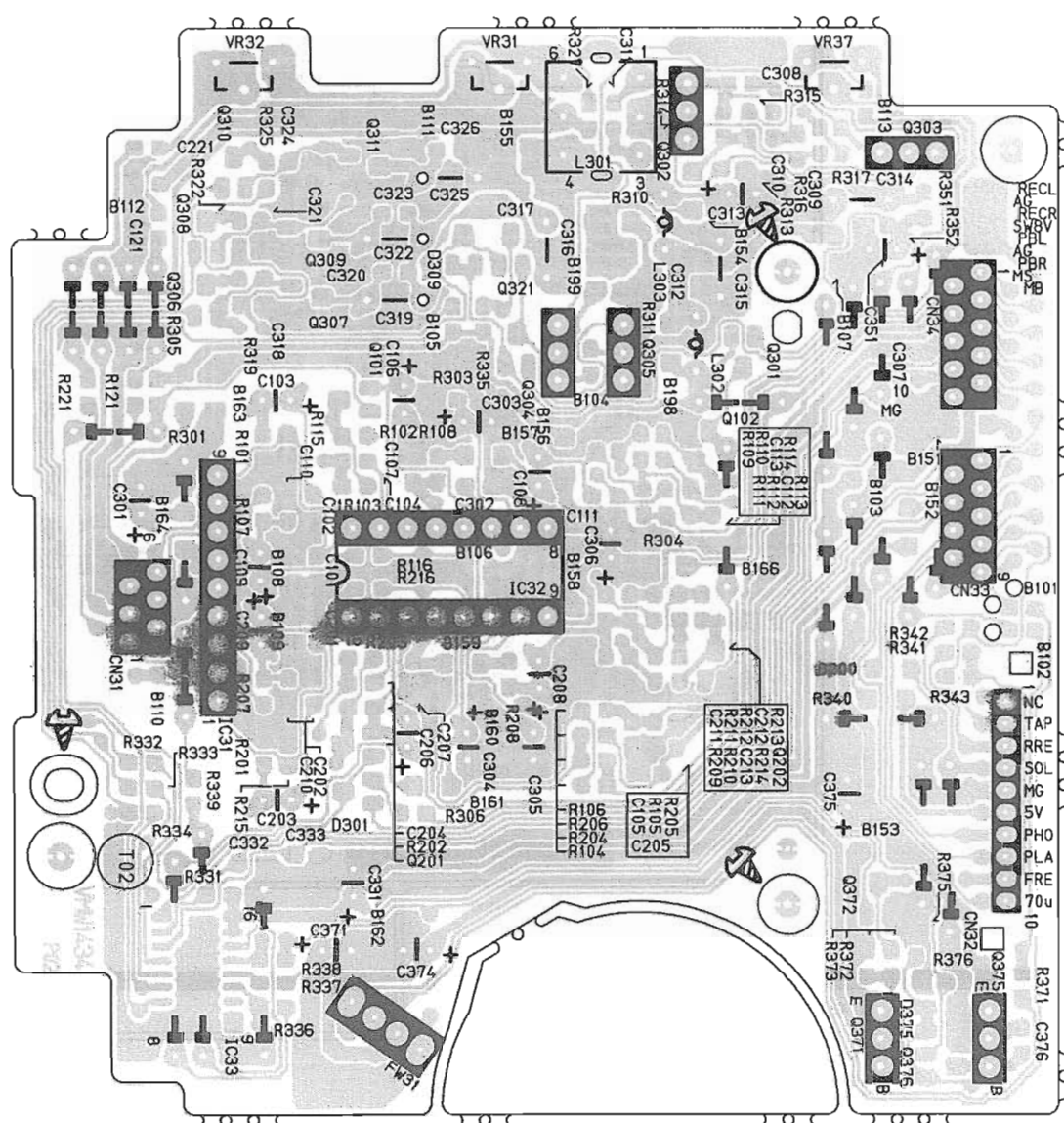
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Block No. : 08 09 10

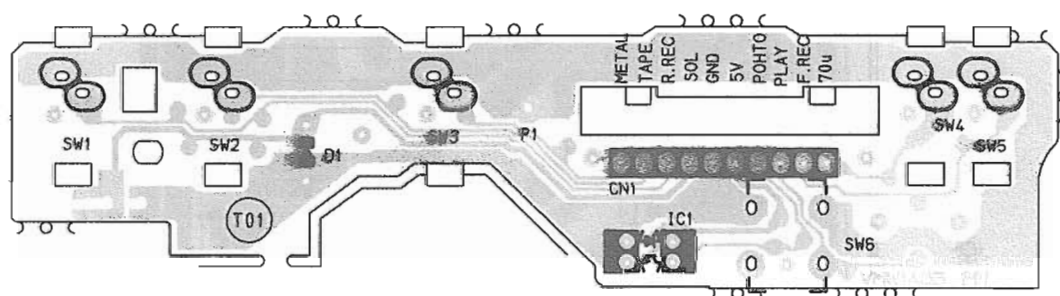


Block No. : 11





Block No. : 13



PARTS LIST

[RV-B99BK
RV-B99GY
RV-B99BU]

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

<p>RV-B99BK</p> <p>Areas Suffix</p> <p>B ----- U.K. E ----- Continental Europe EN ----- Northern Europe EV ----- Eastern Europe EE ----- Russian Federation J ----- U.S.A. UB ----- Hong Kong US ----- Singapore UT ----- Taiwan UY ----- Argentina UX ----- Saudi Arabia U ----- Other Areas No marks indicates all areas.</p>	<p>RV-B99BU</p> <p>Areas Suffix</p> <p>B ----- U.K. E ----- Continental Europe EN ----- Northern Europe EE ----- Russian Federation UB ----- Hong Kong US ----- Singapore UT ----- Taiwan U ----- Other Areas No marks indicates all areas.</p>
	<p>RV-B99GY</p> <p>Areas Suffix</p> <p>J ----- U.S.A. No marks indicates all areas.</p>

- Contents -

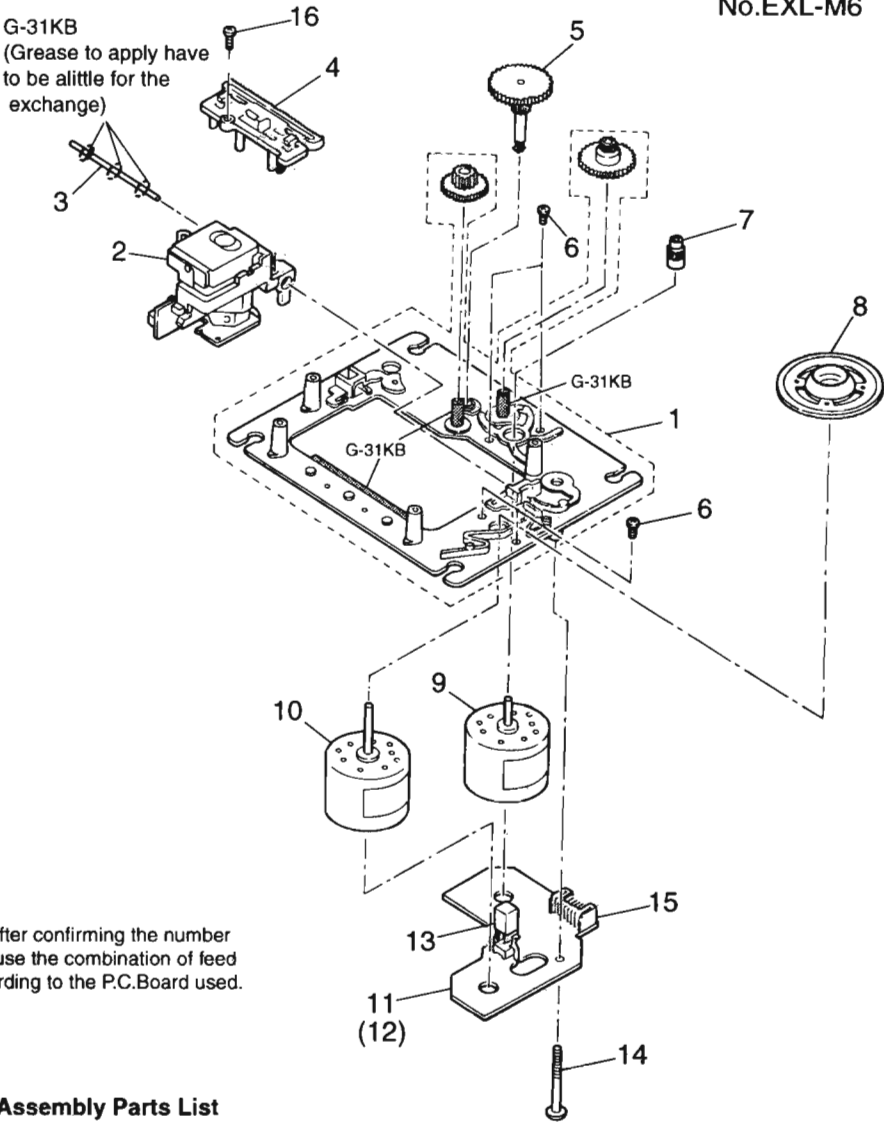
CD Mechanism Ass'y and Parts List	3-2
Cassette Mechanism Ass'y and Parts List	3-3
Exploded View of General Assembly and Parts List	3-4
Electrical Parts List	3-10
Packing Materials and Accessories Parts List	3-40

CD Mechanism Ass'y and Parts List

Grease Point

Block No. M 2 M M

No.EXL-M6



NOTE
Please order motor after confirming the number of the P.C.Board because the combination of feed motor is different according to the P.C.Board used.

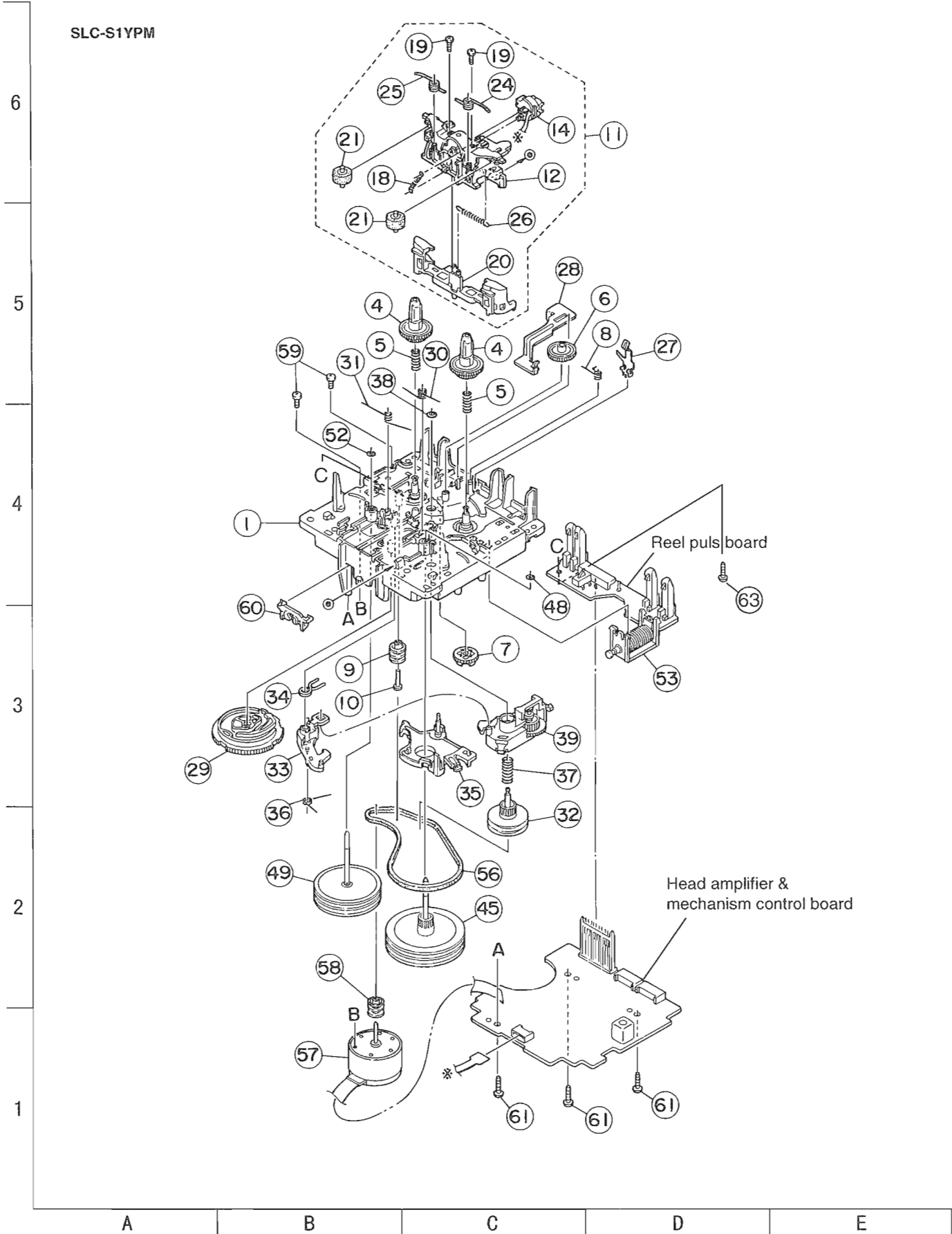
CD Mechanism Assembly Parts List

Item	Parts Number	Parts Name	Q'ty	Description	Area
1	EPB-002PK	MECHA. BASE ASSY	1		
2	OPTIMA-150S	OPTICAL PICK UP	1		
3	E407782-001	CD SHAFT	1		
4	E307746-001	CD RACK	1		
5	EPB-003A	MECHA GEAR	1		
6	SDSP2003N	SCREW	4		
7	E406750-001	PINION GEAR	1		
8	E75807-302	TURN TABLE	1	Use the 1CD	
	EPB309173A	TURN TABLE	1	Use the 3CD	
9	E406784-001	FEED MOTOR	1	Use the No.11 P.C.Board	
	MDN-4RA3ETA-1	FEED MOTOR	1	Use the No.12 P.C.Board	
10	E406783-001	SPINDLE MOTOR	1		
11	EMW10190-001(S)	P.C.BOARD	1		
12	EMW10190-221(S)	P.C.BOARD	1		
13	ESB1100-005	LEAF SWITCH	1		
14	E75832-001	SCREW	1		
15	EMV5109-006B	CONN. TERMINAL	1		
16	SDSF2006Z	SCREW	1		

Cassette Mechanism Ass'y and Parts List

Block No. M 3 M M

SLC-S1YPM



Parts List (Cassette Mechanism)

BLOCK NO. M3MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	VKS1165-00G	CHASSIS B.ASS'Y		1		
	4	VKS2274-002	REEL GEAR		2		
	5	VKW5286-002	B.T. SPRING		2		
	6	VKS5559-001	PLAY IDLE GEAR		1		
	7	VKS5597-00A	FR GEAR ASS'Y		1		
	8	VKW5296-001	EARTH SPRING		1		
	9	VKR4749-002	IDLE PULLEY		1		
	10	VKH5786-002	SHAFT		1		
	11	VKS2275-00C	HEAD MOUNT ASSY		1		
	12	VKS1167-001	HEAD MOUNT BASE		1		
	14	VGH0425-544	R/P&E HEAD	VKS2275-00B	1		
	18	VKW5302-001	HEAD SPRING		1		
	19	VKZ4730-001	SPECIAL SCREW		2		
	20	VKS2277-005	DIRECTION LEVER		1		
	21	VKP4233-00A	PINCH ROL. ASSY		2		
	24	VKW5299-002	PIN ROL.SP.(R)		1		
	25	VKW5300-002	PIN ROL.SP.(L)		1		
	26	VKW5285-001	RETURN SPRING		1		
	27	VKY3149-002	CASSETTE SP.		1		
	28	VKM3906-002	PLAY SW LEVER		1		
	29	VKS1166-003	CONTROL CAM		1		
	30	VKW5279-001	HEAD BASE SP(R)		1		
	31	VKW5280-001	HEAD BASE SP(L)		1		
	32	VKS5603-00D	MAIN PULLEY ASY		1		
	33	VKS3785-001MM	FR ARM		1		
	34	VKW5284-002	SWING SPRING		1		
	35	VKS2278-003	TRIGGER ARM		1		
	36	VKW5301-001	FR SPRING		1		
	37	VKW5266-001	ELEVATOR SPRING		1		
	38	WDL214025	WASHER		1		
	39	VKS3786-00G	CLUTCH ASS'Y		1		
	45	VKF3205-00B	F.WHEEL ASSY(R)		1		
	48	WDL183425	SLIT WASHER		1		
	49	VKF3207-00B	F.WHEEL ASSY(L)		1		
	52	WDL173525-6	SLIT WASHER		1		
	53	VKZ3174-00A	DC SOLENOID		1		
	56	VKB3000-181	CAPSTAN BELT		1		
	57	MSI-5U2LWA	D.C.MOTOR ASS'Y		1		
	58	VKR4761-001	MOTOR PULLEY		1		
	59	QYSPSP2604Z	SCREW		2		
	60	VKS5577-001	FPC HOLDER		1		
	61	QYSBSF2608Z	T.SCREW	FOR P.W.B.	3		
	63	QYSBSF2006Z	SCREW		1		

Exploded View of General Assembly and Parts List

