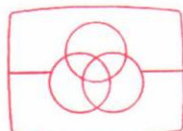
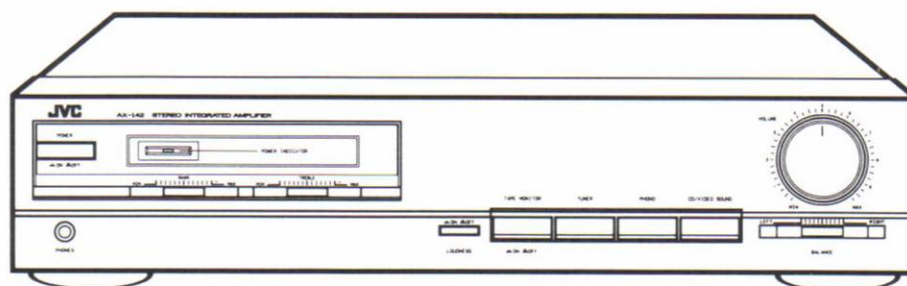


JVC

SERVICE MANUAL

STEREO INTEGRATED AMPLIFIER

AX-142BK



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Safety Precautions

1. The 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 (⚠) 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.).

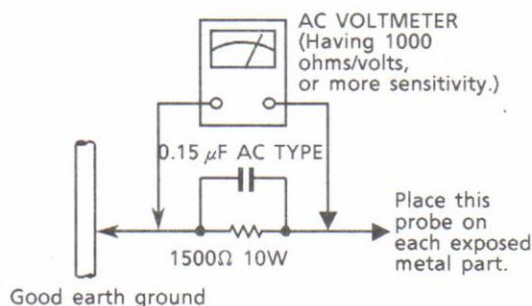
- Alternate check method

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 1,500Ω 10 W resistor paralleled by a 0.15 μF 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.

SPECIFICATIONS

Output Power	: 30 watts per channel, min. RMS, into 8 ohms at 1 kHz (DIN).
Total Harmonic Distortion	: 0.08% at 15 watts output, 1 kHz, 8 ohms
Power Band Width	: 10 Hz — 30 kHz ('66 IHF, both channels driven, 8 ohms, 0.7% THD)
Frequency Response	: 10 Hz — 50 kHz +1 dB, -3 dB (8 ohms)
Tone Controls	
BASS	: ±8 dB at 100 Hz
TREBLE	: ±8 dB at 10 kHz
Input Sensitivity/Impedance	
PHONO	: 2.5 mV/47 kohms
TUNER, CD/VIDEO SOUND, TAPE	: 150 mV/40 kohms
Phono Equalizer	: ±1.0 dB (40 Hz — 15 kHz)
Signal to Noise Ratio	
PHONO	: 70 dB ('66 IHF) : 78 dB ('78 IHF, Rec out) : 63 dB (DIN)
TUNER, CD/VIDEO SOUND, TAPE	: 96 dB ('66 IHF) : 72 dB ('78 IHF) : 66 dB (DIN)
Loudness Control (Volume Control at -30 dB position)	: +6 dB at 100 Hz +4 dB at 10 kHz
Dimensions and Weight	

Dimensions mm (inch)			Weight kg (lbs)
Width	Height	Depth	
435 (17-3/16")	102 (4-1/16")	218 (8-5/8")	3.3 (7.3)

Design and specifications subject to change without notice.

TECHNISCHE DATEN

Ausgangsleistung	: 30 Watt pro Kanal, eff. min., an 8 Ohm, bei 1 kHz (DIN).
Klirrfaktor	: 0,08% bei 15 Watt Ausgang, 1 kHz, 8 Ohm
Leistungsbandbreite	: 10 Hz — 30 kHz ('66 IHF, beide Kanäle angesteuert, 8 Ohm, 0,7% Klirrfaktor)
Frequenzgang	: 10 Hz — 50 kHz +1 dB, -3 dB (8 Ohm)
Klangregler	
BASS	: ±8 dB bei 100 Hz
HÖHEN	: ±8 dB bei 10 kHz
Eingangsempfindlichkeit/Impedanz	
PHONO	: 2,5 mV/47 kOhm
TUNER, CD/VIDEO SOUND, TAPE	: 150 mV/40 kOhm
Phono-RIAA-Abweichung	: ±1,0 dB (40 Hz — 15 kHz)
Signal/Rauschabstand	
PHONO	: 70 dB ('66 IHF) : 78 dB ('78 IHF, Aufnahme-Ausgang) : 63 dB (DIN)
TUNER, CD/VIDEO SOUND, TAPE	: 96 dB ('66 IHF) : 72 dB ('78 IHF) : 66 dB (DIN)
Loudness-Kompensation (Lautstärkeregler in -30 dB Stellung)	: +6 dB bei 100 Hz +4 dB bei 10 kHz
Abmessungen und Gewicht	

Abmessungen (mm)			Gewicht (kg)
Breite	Höhe	Tiefe	
435	102	218	3,3

Technische Änderungen vorbehalten!

CARACTERISTIQUES
TECHNIQUES

Puissance de sortie	: 30 watts par canal, min. RMS, à 8 ohms à 1 kHz (DIN).
Distorsion harmonique totale	: 0,08% à 15 watts de sortie, 1 kHz, 8 ohms
Largeur de gamme de puissance	: 10 Hz — 30 kHz ('66 IHF, les deux canaux entraînés, 8 ohms, 0,7% de DHT)
Réponse en fréquence	: 10 Hz — 50 kHz +1 dB, -3 dB (8 ohms)
Commandes de tonalité	
BASS	: ±8 dB à 100 Hz
TREBLE	: ±8 dB à 10 kHz
Sensibilité d'entrée/impédance	
PHONO	: 2,5 mV/47 kohms
TUNER, CD/VIDEO SOUND, TAPE	: 150 mV/40 kohms
Déviaton d'égaliseur phono	: ±1,0 dB (40 Hz — 15 kHz)
Rapport signal/bruit	
PHONO	: 70 dB ('66 IHF) : 78 dB ('78 IHF, sortie d'enregistrement) : 63 dB (DIN)
TUNER, CD/VIDEO SOUND, TAPE	: 96 dB ('66 IHF) : 72 dB ('78 IHF) : 66 dB (DIN)
Commande de contour (Commande de volume à la position -30 dB)	: +6 dB à 100 Hz +4 dB à 10 kHz
Dimensions et poids	

Dimensions (mm)			Poids (kg)
Largeur	Hauteur	Profondeur	
435	102	218	3.3

Présentation et caractéristiques modifiables sans préavis.

POWER SPECIFICATIONS

Area	Line Voltage & Frequency	Power Consumption
U.K.	AC 240 V ~, 50 Hz	175 watts
Australia		
Continental Europe	AC 230 V ~, 50 Hz	75 watts
Other areas	AC 110 / 120 / 220 / 240 V ~ selectable, 50/60 Hz	

CONNECTION DIAGRAM ANSCHLUSSDIAGRAMM DIAGRAMME DES RACCORDEMENTS AANSLUITINGSDIAGRAM DIAGRAMA DE CONEXIONES ANSLUTNINGSSCHEMA

- 1 PHONO terminals
- 2 CD/VIDEO SOUND terminals
- 3 TUNER terminals
- 4 TAPE terminals
- 5 SPEAKERS terminals
Connect the speaker cords according to the figures.
- 6 AC OUTLETS*
a SWITCHED AC outlet
b UNSWITCHED AC outlets
- 7 Power cord
- 8 GND terminal
- 9 AC voltage selector*
When this equipment is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.
- 10 FUSE holder *

* Not provided on units for Continental Europe, the U.K. and Australia.

Notes:

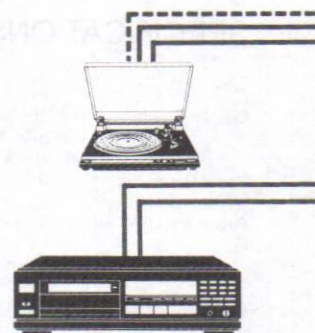
1. Disconnect the power cord when connecting any component.
2. When connecting components, make the correct left and right channel connections. Reversed channels may degrade the stereo effect.
3. Connect speakers with correct polarity: (+) to (+) and (-) to (-). Reversed polarity will degrade the stereo effect.
4. Connect plugs or wires firmly. Poor contact may result in hum.
5. Do not connect equipment requiring more than the rated power to the AC outlets on the rear panel.
6. Use speakers with the correct impedance. The correct impedance is indicated on the rear panel.
7. The SWITCHED AC OUTLETS are switched off when the front panel POWER button is switched off.
8. The UNSWITCHED AC OUTLET is not switched off when the front panel POWER button is switched off.
9. If your turntable has a ground lead, connect it to the GND terminal.

- 1 Phono-Buchsen (PHONO)
- 2 CD/VIDEO SOUND-Buchsen (CD/VIDEO SOUND)
- 3 Tuner-Buchsen (TUNER)
- 4 Bandgerät-Buchsen (TAPE)
- 5 Lautsprecher-Buchsen (SPEAKERS)
Die Lautsprecher den folgenden Abbildungen entsprechend anschließen.
- 6 Netzausgänge (AC OUTLETS)*
a Geschalteter Netzausgang (SWITCHED AC)
b Ungeschaltete Netzausgänge (UNSWITCHED AC)
- 7 Netzkabel
- 8 Erdanschluß (GND)
- 9 Netzspannungswähler*
Wenn die voreingestellte Netzspannung an diesem Gerät nicht mit der tatsächlich vorhandenen übereinstimmt, den Spannungswähler auf den erforderlichen Wert einstellen.
- 10 Sicherungshalter *

* Nicht vorzufinden an in europa und Australien ausgelieferten Geräten.

Hinweise:

1. Muß man das Netzkabel abziehen beim Anschluß von Komponenten.
2. Beim Anschließen anderer Geräte auf die richtige Anordnung des linken und des rechten Kanals achten. Vertauschte Kanäle verringern den Stereoeffekt.
3. Die Lautsprecher mit der richtigen Polarität anschließen: (+) an (+) und (-) an (-). Über Kreuz angeschlossene Polaritäten beeinträchtigen den Stereoeffekt.
4. Auf festen Sitz der Kabelanschlüsse achten. Mangelhafte Kontakte können zu Brummgeräuschen führen.
5. Keine Geräte anschließen, die eine höhere Netzspannung benötigen, als die Netzausgänge an der Rückplatte liefern können.
6. Lautsprecher mit der korrekten Impedanz verwenden. Die korrekte Impedanz ist an der Rückplatte.
7. Die beschalteten Netzausgänge (SWITCHED AC OUTLET) sind bei OFF-Stellung des Netzschalters an der Frontblende ebenfalls abgeschaltet.
8. Der unbeschaltete Netzausgang (UNSWITCHED AC OUTLET) ist bei OFF-Stellung des Netzschalters eingeschaltet.
9. Falls Ihr Plattenspieler mit einem erdkabel ausgestattet ist, schließen Sie es an die GND-Klemme an.



- 1 Bornes de platine tourne-disque (PHONO)
- 2 Bornes de disque audionumérique et son vidéo (CD/VIDEO SOUND)
- 3 Bornes de syntoniseur (TUNER)
- 4 Bornes de platine d'enregistrement (TAPE)
- 5 Bornes de haut-parleurs (SPEAKERS)
Raccorder les câbles de haut-parleurs selon les illustrations.
- 6 Prises CA (AC OUTLETS)*
a Prise CA commutée (SWITCHED AC)
b Prises CA non commutées (UNSWITCHED AC)
- 7 Cordon d'alimentation
- 8 Borne de mise à la terre (GND)
- 9 Sélecteur de tension de ligne CA*
Quand cet appareil est utilisé dans une région où la tension secteur est différente de celle qui est préétablie, replacer le sélecteur de tension sur la position correcte.
- 10 Porte-fusible*

* Non prévu sur les appareils destinés à l'Europe Continentale, au Royaume-Uni et à l'Australie.

Remarques:

1. Débrancher le câble de l'alimentation lors du raccordement d'une autre unité.
2. Lors du raccordement des appareils, effectuer correctement les connexions des canaux de gauche et de droite. Des canaux inversés provoqueront une dégradation de l'effet stéréo.
3. Lors du raccordement des haut-parleurs, respecter la polarité, (+) sur (+) et (-) sur (-): Une polarité inversée risque de dégrader l'effet stéréo.
4. Raccorder à fond les prises et câbles. Un mauvais contact risque de provoquer des ronflements.
5. Ne pas raccorder d'appareil nécessitant plus d'alimentation que celle qui est spécifiée aux prises CA du panneau arrière.
6. Utiliser des haut-parleurs ayant une impédance correcte. Celle-ci est indiquée sur le panneau arrière.
7. Les prises SWITCHED AC OUTLETS sont mises hors circuit quand l'interrupteur d'alimentation du panneau frontal est mis sur la position d'arrêt.
8. La prise UNSWITCHED AC OUTLET n'est pas mise hors circuit quand l'interrupteur d'alimentation du panneau frontal est mis sur la position d'arrêt.
9. Si votre platine tourne-disque a un câble de mise à la terre, le raccorder à cette borne.



1. Krag ur nätsladden vid anslutning av komponent.
2. Vid anslutning av andra apparater skall vänster och höger kanal anslutas korrekt. Omkastade kanaler försämrar stereoeffekten.
3. Analut högtalare med rätt polaritet, (+) till (+) och (-) till (-). Omkastad polaritet försämrar stereoeffekten.
4. Tryck in kontakter och ledningar ordentligt, eftersom "glappkontakt" kan orsaka störningar.
5. Anslut inte komponenter som kräver högre nätspänning än vad som anges på skylden på apparats baksida.
6. Använd endast högtalare med rätt impedans. Den finns angiven på baksidan.
7. Nätuttaget märkt SWITCHED AC OUT-LETS kopplas från när strömställaren POWER på denna apparats framsida fränkopplas.
8. Nätuttaget märkt UNSWITCHED AC OUT-LET kopplas inte från när strömställaren POWER på denna apparats framsida fränkopplas.
9. Om skivspelaren har en jordkabel skall denna anslutas till denna anslutning.

FRONT PANEL FRONTPLATTE PANNEAU AVANT VOORPANEEL PANEL DELANTERO FRAMSIDA

1 POWER

Press to turn the power on (—).

2 POWER INDICATOR

Lights when the power button is ON.

3 BASS

Slide to the right to boost bass response. To the left to decrease bass response.

4 TREBLE

Slide to the right to boost treble response. To the left to decrease treble response.

5 VOLUME

Turn clockwise for louder sound.

6 PHONES (headphone jack)

Plug stereo headphones into this jack for private listening.

7 LOUDNESS

Press this switch ON (—) to compensate for the ear's different sensitivity to sound at low volumes.

8 TAPE MONITOR

Press in to listen with a tape deck connected to the TAPE terminals. If your tape deck is a three-head deck, you can monitor the sound that has just been recorded on the tape. To release this function, press it again.

9 TUNER

Press in to listen to broadcasts.

10 PHONO

Press in to listen to records.

11 CD/VIDEO SOUND

Press in to listen to a source connected to the CD/VIDEO SOUND terminals.

12 BALANCE

Slide to balance the volume of the left and right speakers. When it is at the extreme left, only the left channel will be heard, and vice versa.

1 Netz (POWER)

Zum Eintaste der Netzspannung drücken (—).

2 Netzspannungsanzeige (POWER INDICATOR)

Leuchtet auf beim Drücken des Netzschalters.

3 Baß (BASS)

Nach rechts schieben, um die Baßklänge anzuheben, und nach links schieben, um die Baßtöne abzdämpfen.

4 Höhen (TREBLE)

Nach rechts schieben, um hohe Töne hervorzuheben, und nach links schieben, um diese zu dämpfen.

5 Lautstärke (VOLUME)

Zur Erhöhung der Lautstärke im Uhrzeigersinn drehen.

6 Kopfhörer-Buchse (PHONES)

Zum Anschluß von Kopfhörern.

7 Lautstärkekompensation (LOUDNESS)

Diese Taste einschalten (—), um die bei niedriger Lautstärke veränderte Empfindlichkeit des Gehörs zu kompensieren.

8 Band-Monitor (TAPE MONITOR)

Zur Wiedergabe einer Bandaufnahme von einem an den TAPE-Buchsen angeschlossenen Tape-Deck. Verfügt das angeschlossene Tape-Deck über drei Tonköpfe, ist Hinterbandkontrolle möglich. Nochmals drücken, um diese Funktion abzuschalten.

9 Tuner (TUNER)

Zur Wiedergabe von Radiosendungen drücken.

10 Phone (PHONO)

Zur Wiedergabe von Schallplatten drücken.

11 CD/VIDEO SOUND

Zur Wiedergabe einer an diese Buchsen angeschlossenen Signalquelle drücken.

12 Balance (BALANCE)

Zur Einstellung der Lautstärke-Balance zwischen linkem und rechtem Lautsprecher. In den Maximal-Positionen wird nur je ein Kanal wiedergegeben (Linker bzw. rechter).

1 Interrupteur d'alimentation (POWER)

L'enfoncer pour fournir l'alimentation (—).

2 Indicateur d'alimentation (POWER INDICATOR)

S'illumine en enfonçant l'interrupteur d'alimentation.

3 Basses (BASS)

La coulisser vers la droite pour suramplifier la réponse des basses et vers la gauche pour la diminuer.

4 Aiguës (TREBLE)

La coulisser vers la droite pour suramplifier la réponse des aiguës et vers la gauche pour la diminuer.

5 Volume (VOLUME)

La tourner dans le sens des aiguilles d'une montre pour augmenter le volume sonore.

6 Prise de casque d'écoute (PHONES)

Y raccorder un casque d'écoute stéréo pour une écoute privée.

7 Contour (LOUDNESS)

Enfoncer ce commutateur (—) pour compenser la sensibilité différente de l'oreille à de faibles volumes.

8 Contrôle de bande (TAPE MONITOR)

L'enfoncer pour écouter une bande lue sur une platine d'enregistrement raccordée aux bornes TAPE. Si votre platine a trois têtes, vous pouvez contrôler le son qui vient d'être enregistré sur la bande. Pour dégager cette fonction, enfoncer cette touche à nouveau.

9 Syntoniseur (TUNER)

L'enfoncer pour écouter des émissions radiodiffusées.

10 Platine tourne-disque (PHONO)

L'enfoncer pour écouter des disques.

11 Disque audionumérique/son vidéo (CD/VIDEO SOUND)

L'enfoncer pour écouter une source raccordée aux bornes CD/VIDEO SOUND.

12 Balance (BALANCE)

Faire coulisser pour équilibrer le volume des haut-parleurs de gauche et de droite. Quand la commande est coulissée jusqu'à l'extrême gauche, seul le haut-parleur de gauche est audible et vice-versa.

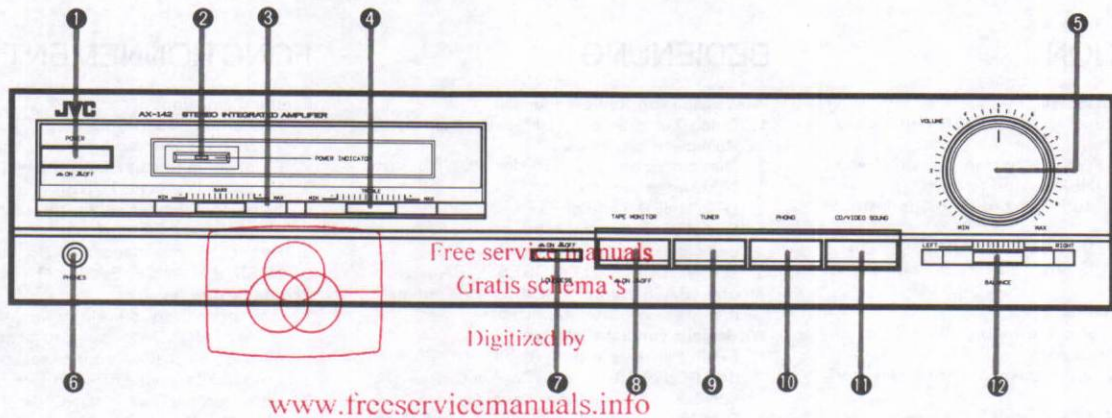


Fig. 2
Abb. 2
Afb. 2

1 Netspanning (POWER)

Druk de toets in om de netspanning in te schakelen (—).

2 Netspanning-indikator (POWER INDICATOR)

Deze licht op wanneer de netschakelaar AAN is.

3 Lagetonen (BASS)

Schuif deze regelaar naar rechts voor het versterken van het karakteristiek van de lage tonen, of naar links om het karakteristiek te verzwakken.

4 Hogetonen (TREBLE)

Schuif deze regelaar naar rechts voor het versterken van het karakteristiek van de hoge tonen, of naar links om het karakteristiek te verzwakken.

5 Volume (VOLUME)

Naar rechts draaien om het volume te verhogen.

6 Hoofdtelefoonaansluitingen (PHONES)

Een stereo hoofdtelefoon op deze ingang aansluiten om prive te luisteren.

7 Contour (LOUDNESS)

Druk deze schakelaar in (—) ter compensatie van de verschillende gevoeligheid van het menselijke gehoor voor lage geluids-niveaus.

8 Voorband/naband (TAPE MONITOR)

Indrukken om te luisteren naar een tape-deck aangesloten op de TAPE-aansluitingen. U kunt met tijdens het opnemen met het geluid meeluisteren indien uw tapedeck over drie koppen beschikt. Druk deze schakelaar opnieuw in voor het uitschakelen van de herhalingsfunctie.

9 Afstemming (TUNER)

Indrukken om naar radiouitzendingen te luisteren.

10 Draaitafel (PHONO)

Indrukken om naar grammofoonplaten te luisteren.

11 CD/Videogeluid (CD/VIDEO SOUND)

Indrukken om te luisteren naar een bron verbonden met de CD/Videogeluid aansluitingen.

12 Balans (BALANCE)

Verschuiven om de balans tussen linker en rechter luidsprekers in te stellen. Wanneer de regelaar geheel naar links wordt gezet, is alleen de linker luidspreker te horen, en vice versa.

1 Alimentación (POWER)

Presiónelo para encender la unidad (—).

2 Indicador de alimentación (POWER INDICATOR)

Se ilumina cuando se posiciona en ON el botón de alimentación.

3 Graves (BASS)

Deslízelo hacia la derecha para acentuar la respuesta de graves, y hacia la izquierda para desacentuarla.

4 Agudos (TREBLE)

Deslízelo hacia la derecha para acentuar la respuesta de los agudos, y hacia la izquierda para desacentuarla.

5 Volumen (VOLUME)

Gire hacia la derecha para aumentar el volumen del sonido.

6 Toma de auriculares (PHONES)

Para escuchar en privado, inserte la clavija de los auriculares a esta toma.

7 Sonoridad (LOUDNESS)

Conecte es te interruptor (—) para compensar la diferente sensibilidad del oído al sonido, cuando el volumen es bajo.

8 Monitoreo de la cinta (TAPE MONITOR)

Presione para escuchar una cinta desde un magnetofono conectado a los terminales TAPE. Si usa un magnetofono de tres cabezas puede monitorear el sonido de la cinta que se acaba de grabar en la cinta. Para liberar esta función, presiónelo nuevamente.

9 Sintonizador (TUNER)

Presiónelo para escuchar radiodifusiones.

10 Fonógrafo (PHONO)

Presione para escuchar discos.

11 Sonido de DC/VIDEO (CD/VIDEO SOUND)

Presione para escuchar de una fuente sonora conectada a los terminales CD/VIDEO SOUND.

12 Equilibrio (BALANCE)

Deslízelo para equilibrar el volumen de los altavoces izquierdo y derecho. Si se encuentra en el extremo izquierdo se escuchará sólo el canal izquierdo y viceversa.

1 Strömställare (POWER)

Tryck in (—) för att sätta på förstärkaren.

2 Driftindikator (POWER INDICATOR)

Lyser när strömställaren är i ON-läge.

3 Baskontroll (BASS)

Skjut åt höger för att förstärka basen; skjut åt vänster för att dämpa basen.

4 Diskantkontroll (TREBLE)

Skjut åt höger för att förstärka diskanten; skjut åt vänster för att dämpa diskanten.

5 Volymkontroll (VOLUME)

Vrid medurs för att öka ljudvolymen.

6 Uttag för hörtelefoner (PHONES)

Anslut hörtelefoner hit för enskild lyssning.

7 Loudness-kontroll (LOUDNESS)

Tryck in denna till ON-läge (—) vid lyssning med låg volym, för att kompensera för örats minskade förmåga att uppfatta ljudet.

8 Omkopplare för bandmedhörning (TAPE MONITOR)

Tryck in denna för att lyssna på ett kassettdäck anslutet till TAPE-ingångarna. Om du har ett kassettdäck med tre tonhuvuden, kan du kontrollavlyssna det ljud som just har spelats in på bandet. Tryck in knappen igen för att frigöra funktionen.

9 Tunerväljare (TUNER)

Tryck in denna för att lyssna på radio.

10 Skivspelarväljare (PHONO)

Tryck in denna för att lyssna på vanliga skivor.

11 Väljare för CD/videoljud (CD/VIDEO SOUND)

Tryck in denna för att lyssna på en apparat ansluten till ingångarna CD/VIDEO SOUND.

12 Balanskontroll (BALANCE)

Skjut denna åt endera hållet för att balansera ljudet för vänster och höger kanal. När kontrollen är längst åt vänster hörs endast vänster kanal, och vice versa.

OPERATION

Listening to broadcasts

1. Connect a tuner to the TUNER terminals on the rear panel.
2. Press the POWER button to on (■).
3. Press the TUNER button to on.
4. Operate the tuner according to its instruction book.
5. Adjust the VOLUME, LOUDNESS, BALANCE, BASS and TREBLE controls as required.

Listening to records

1. Connect a turntable to the PHONO terminals on the rear panel.
Be careful to connect the channels correctly.
2. Press the POWER button to on (■).
3. Press the PHONO button to on.
4. Operate the turntable according to its instruction book.
5. Adjust the VOLUME, LOUDNESS, BALANCE BASS and TREBLE controls as required.

Note:

- Use a turntable with a moving magnet cartridge.

Listening to tapes

1. Connect a tape deck to the TAPE PLAY terminals.
Be careful to connect the channels correctly.
2. Press the POWER button to on (■).
3. Press the TAPE MONITOR button to on.
4. Operate the tape deck for playback according to its instruction book.
5. Adjust the VOLUME, LOUDNESS, BALANCE, BASS and TREBLE controls as required.

Note:

- Don't place the tape deck directly on or under the amplifier.
Over heating or hum may result.

Using stereo headphones

Stereo headphones can be plugged into the front panel jack.

Plugging headphones into the PHONES jack switches off the speaker so.

Recording tapes

Recording from records

1. Connect a tape deck to the TAPE REC terminals.
2. Press the POWER button to on (■).
3. Press the PHONO button to on.
4. Operate the turntable
5. Operate the tape deck for recording.

Note:

- You can also monitor the sound being recorded with headphones.

BEDIENUNG

Wiedergabe von Radiosendungen

1. Einen Tuner an die TUNER-Buchsen an der Rückplatte anschließen.
2. Die Netzspannung mit der POWER-Taste einschalten (■).
3. Die TUNER-Taste drücken.
4. Den Tuner entsprechend dessen Anleitung bedienen.
5. Die VOLUME-, LOUDNESS-, BALANCE- und BASS- und TREBLE-Bedienungselemente wie gewünscht einstellen.

Wiedergabe von Schallplatten

1. Einen Plattenspieler an die PHONO-Buchsen der Rückplatte anschließen, und dabei auf korrekten Anschluß der Kanäle achten.
2. Die Netzspannung mit der POWER-Taste einschalten (■).
3. Die PHONO-Taste drücken.
4. Den Plattenspieler entsprechend dessen Anleitung bedienen.
5. Die VOLUME-, LOUDNESS-, BALANCE-, BASS- und TREBLE-Regler wie gewünscht einstellen.

Hinweis:

- Einen Plattenspieler mit Magnet-Tonabnehmersystem benutzen.

Wiedergabe von Bandaufnahmen

1. Ein Tape-Deck an die TAPE-Buchsen anschließen, und dabei auf korrekten Anschluß der Kanäle achten.
2. Die Netzspannung mit der POWER-Taste einschalten (■).
3. Die TAPE MONITOR-Taste drücken.
4. Das Tape-Deck entsprechend dessen Anleitungen für Wiedergabebetrieb bedienen.
5. Die VOLUME-, LOUDNESS-, BALANCE-, BASS- und TREBLE-Regler wie gewünscht einstellen.

Hinweis:

- Das Bandgerät nicht direkt über oder unter dem Verstärker aufstellen, da ansonsten Wärme entsteht und Brummen hervorrufen wird.

Stereo-Kopfhörer-Anschluß

Stereo-Kopfhörer können in der Buchse an der Frontblende angeschlossen werden.

Bei angeschlossenen Kopfhörern sind die Lautsprecher ausgeschaltet.

Bandaufnahme

Aufnahmen von Schallplatten

1. Ein Tape-Deck an die TAPE REC-Buchsen anschließen.
2. Die Netzspannung mit der POWER-Taste einschalten (■).
3. Die PHONO-Taste drücken.
4. Den Plattenspieler bedienen.
5. Das Tape-Deck entsprechend dessen Anleitungen für Aufnahmebetrieb bedienen.

Hinweis:

- Die Aufnahme kann auch über Kopfhörer kontrolliert werden.

FONCTIONNEMENT

Ecoute d'émissions

1. Raccorder un syntoniseur aux bornes TUNER du panneau arrière.
2. Enfoncer la touche POWER (■).
3. Enfoncer la touche TUNER.
4. Faire fonctionner le syntoniseur selon les instructions de son manuel.
5. Régler les commandes VOLUME, LOUDNESS, BALANCE, BASS et TREBLE.

Ecoute de disques

1. Raccorder une platine tourne-disque aux bornes PHONO du panneau arrière. S'assurer que les canaux sont bien raccordés.
2. Enfoncer la touche POWER (■).
3. Enfoncer la touche PHONO.
4. Faire fonctionner la platine tourne-disque selon les instructions de son manuel.
5. Régler les commandes VOLUME, LOUDNESS, BALANCE, BASS et TREBLE.

Remarque:

- Utiliser une platine tourne-disque à cellule à aimant mobile.

Ecoute de bandes

1. Raccorder une platine d'enregistrement aux bornes TAPE PLAY.
S'assurer que les canaux sont bien raccordés.
2. Enfoncer la touche POWER (■).
3. Enfoncer la touche TAPE MONITOR.
4. Faire fonctionner la platine d'enregistrement en lecture selon les instructions de son manuel.
Régler les commandes pour obtenir un son optimum.
5. Régler les commandes VOLUME, LOUDNESS, BALANCE, BASS et TREBLE.

Remarque:

- Ne pas poser directement la platine cassette sur ou sous l'amplificateur.
Sinon des ennuis tels que l'échauffement ou le ronflement de l'appareil en résulteraient.

Utilisation d'un casque d'écoute stéréo

Un casque d'écoute stéréo peut être branché sur la prise du panneau avant.

Le branchement du casque coupe le son des haut-parleurs.

Enregistrement de bandes

Enregistrement à partir de disques

1. Raccorder une platine d'enregistrement aux bornes TAPE REC.
2. Enfoncer la touche POWER (■).
3. Enfoncer la touche PHONO.
4. Faire fonctionner la platine tourne-disque.
5. Faire fonctionner la platine d'enregistrement en enregistrement.

Remarque:

- Vous pouvez aussi contrôler le son enregistré avec le casque d'écoute.

TROUBLESHOOTING

STÖRUNGSSUCHE

EN CAS DE DIFFICULTE

What appears to be a malfunction may not always be serious.
Mark sure first . . .

Is their sound and illumination?
Is the AC plug connected properly?

Note:

- If one of the source buttons is not completely pressed in, no sound will be heard from the speakers. Press the required button in again.

Sound from one speaker only

Are the speaker cords connected correctly?
Is the BALANCE control set to one extreme or the other?

Loud hum during record playing

Is the turntable grounded?
Try to change cord path.

Howling during record playing

Is the turntable too close to the speakers?

Eine Fehlfunktion ist nicht immer auf einen Schaden zurückzuführen.
Zuerst überprüfen . . .

Weder Ton noch Anzeigen können eingeschaltet werden.

Ist das Netzkabel fest angeschlossen?

Hinweis:

- Ist eine der Signalquellen-Tasten nicht richtig gedrückt, wird kein Ton über die Lautsprecher übertragen. Die erforderliche Taste nochmals drücken.

Tonwiedergabe nur über einen Lautsprecher

Sind die Lautsprecherkabel korrekt angeschlossen?

Ist der BALANCE-Regler auf eine Maximal-Position eingestellt?

Lautes Brummgeräusch bei Abspielen von Schallplatten

Ist der Plattenspieler geerdet?
Das Netzkabel anders verlegen.

Rückkopplungspfeifen beim Abspielen von Schallplatten

Ist der Plattenspieler zu nahe bei den Lautsprechern aufgestellt?

Ce qui semble au départ être un mauvais fonctionnement n'est pas toujours très sérieux.
Assurez-vous d'abord que . . .

Aucun son et pas d'éclairage

La prise CA est-elle correctement branchée?

Remarque:

- Si l'une des touches de source n'est pas complètement enfoncée, aucun son n'est audible des haut-parleurs. Réenfoncer la touche voulue.

Le son ne provient que d'un seul haut-parleur

Les câbles de haut-parleurs sont-ils raccordés correctement?

La commande BALANCE est-elle tournée à fond dans un sens ou dans l'autre?

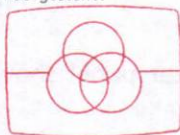
Bourdonnement sourd pendant la lecture de disques

La platine est-elle mise à la terre?

Essayer de changer l'emplacement du cordon.

Hurlement pendant la lecture de disques

La platine tourne-disque est-elle trop près des haut-parleurs?



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Disassembly Procedures

■ Removing the Main PC Board

1. Remove the top cover.
2. Remove the 2 screws ①, ② on the PC Board.

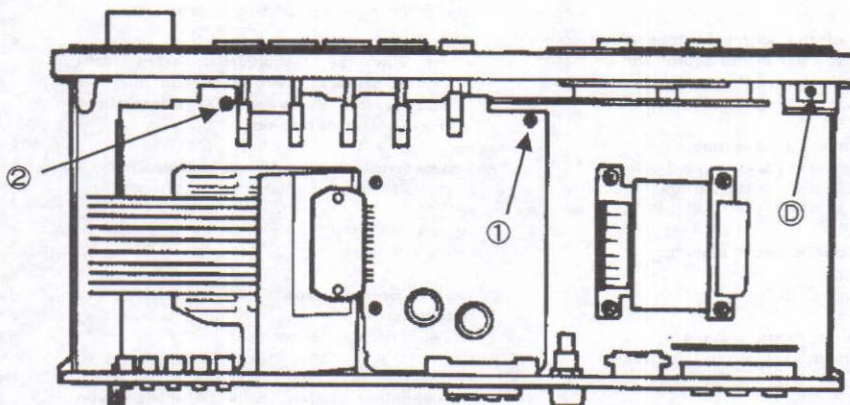


Fig - 1

3. Remove the 6 screws ③~⑧ on the rear panel shown in Fig - 2.

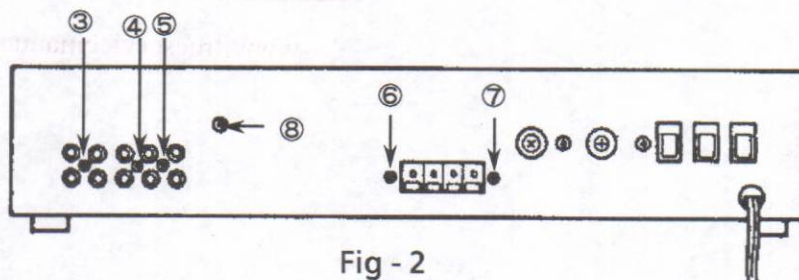


Fig - 2

4. Remove the 3 screws ① ~ ③ and plastic rivet ④ to set the front panel free.
5. Remove the 2 screws ⑨, ⑩ on the bottom side shown in Fig - 3.

Note: As the 3 types of fixing screw are used for the base, make sure the screws are correct when re-installing.

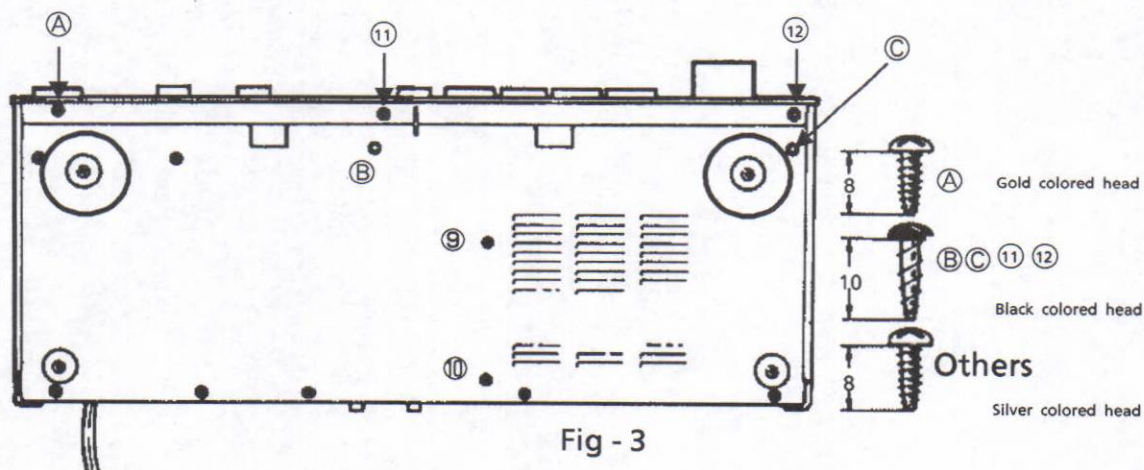
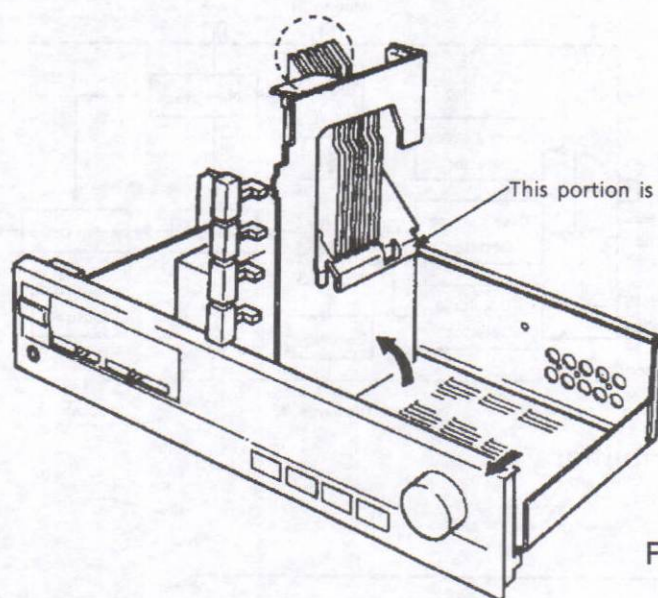


Fig - 3

6. Slightly pull the front panel forward to raise the PC Board as shown in Fig - 4.

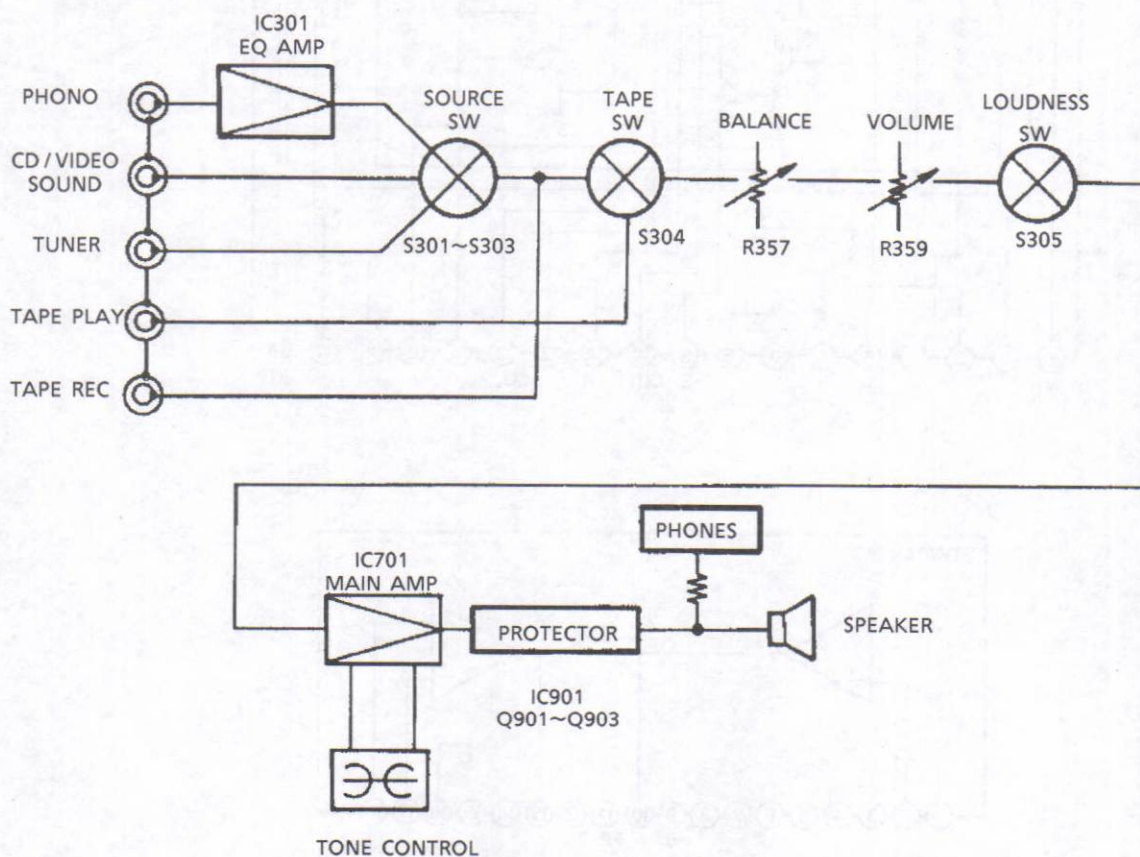


This portion is locked to the chassis base.

Note: Care should be taken not to deform the part of the heat-sink indicated by  when pulling out the PC Board. Otherwise, it may result in reducing the efficiency of heat dissipation.

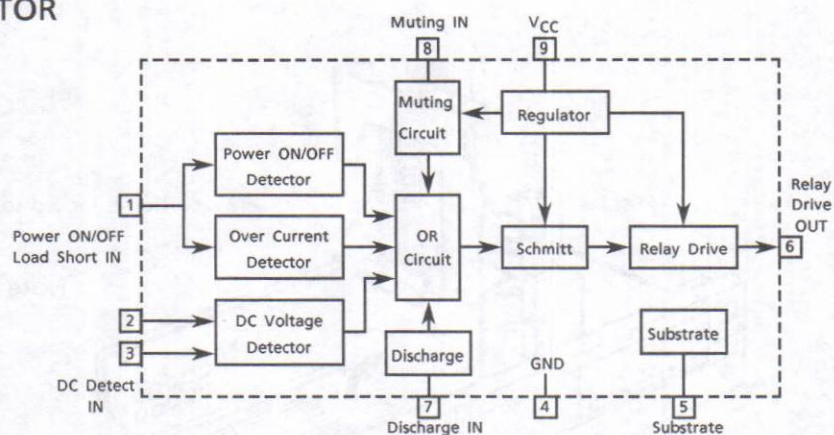
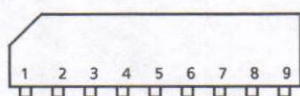
Fig - 4

Block Diagram

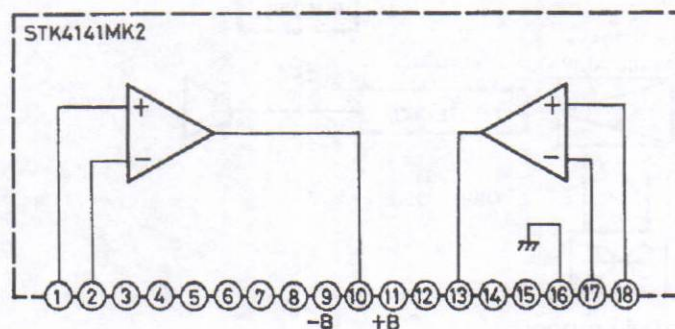
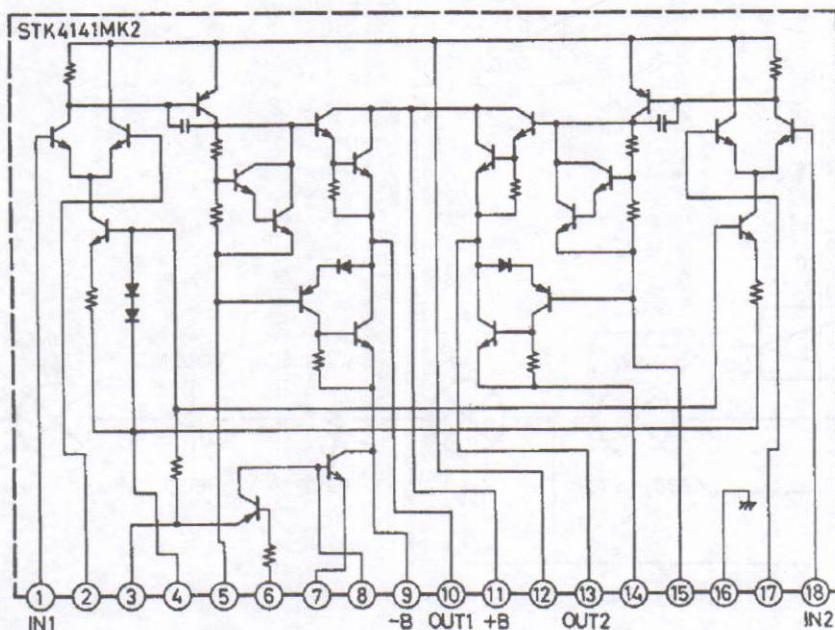


Internal Block Diagram of ICs

■ TA7317P (IC901) : PROTECTOR

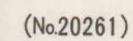


■ STK4141MK2 (IC701) : Power Amplifier

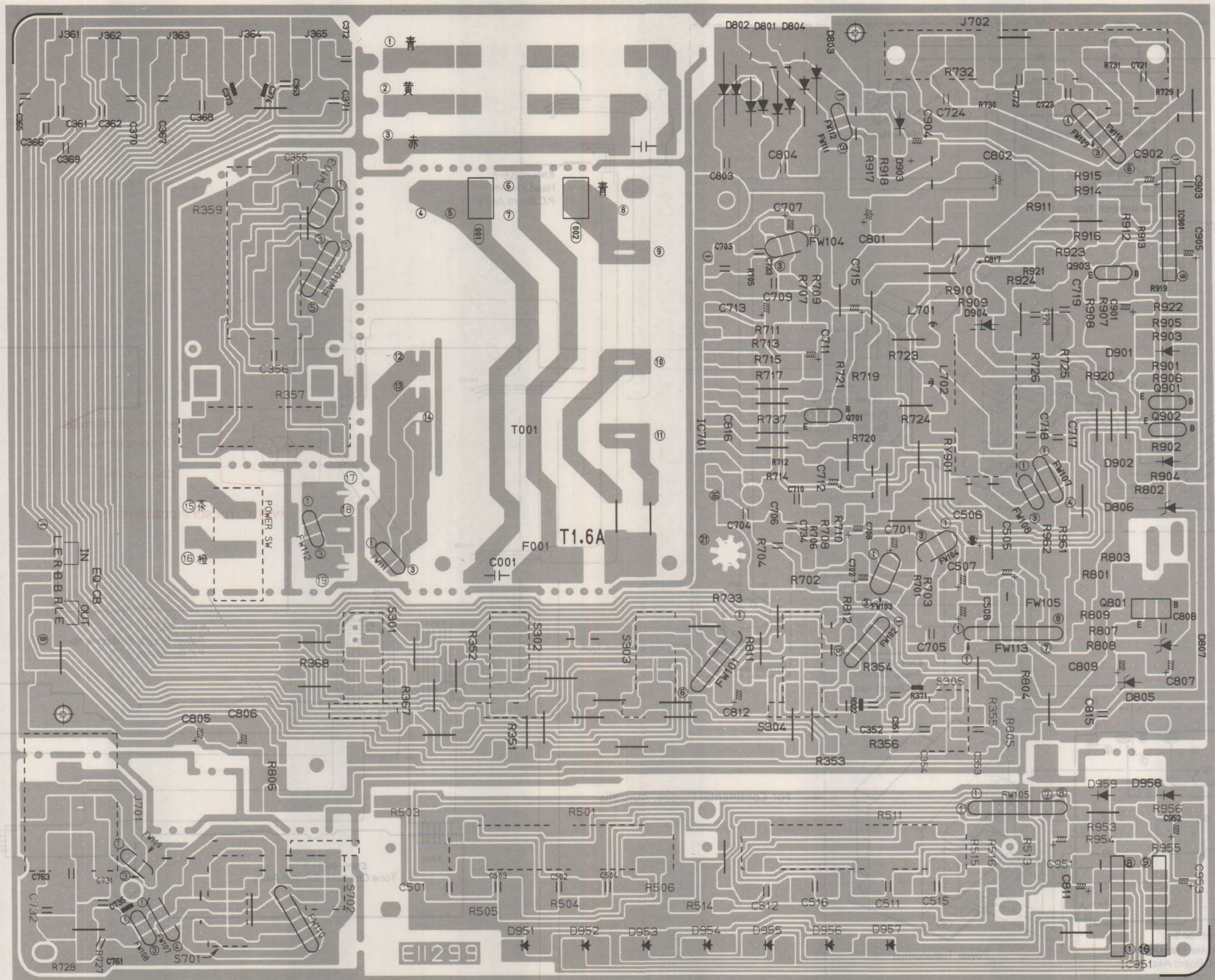


— MEMO —

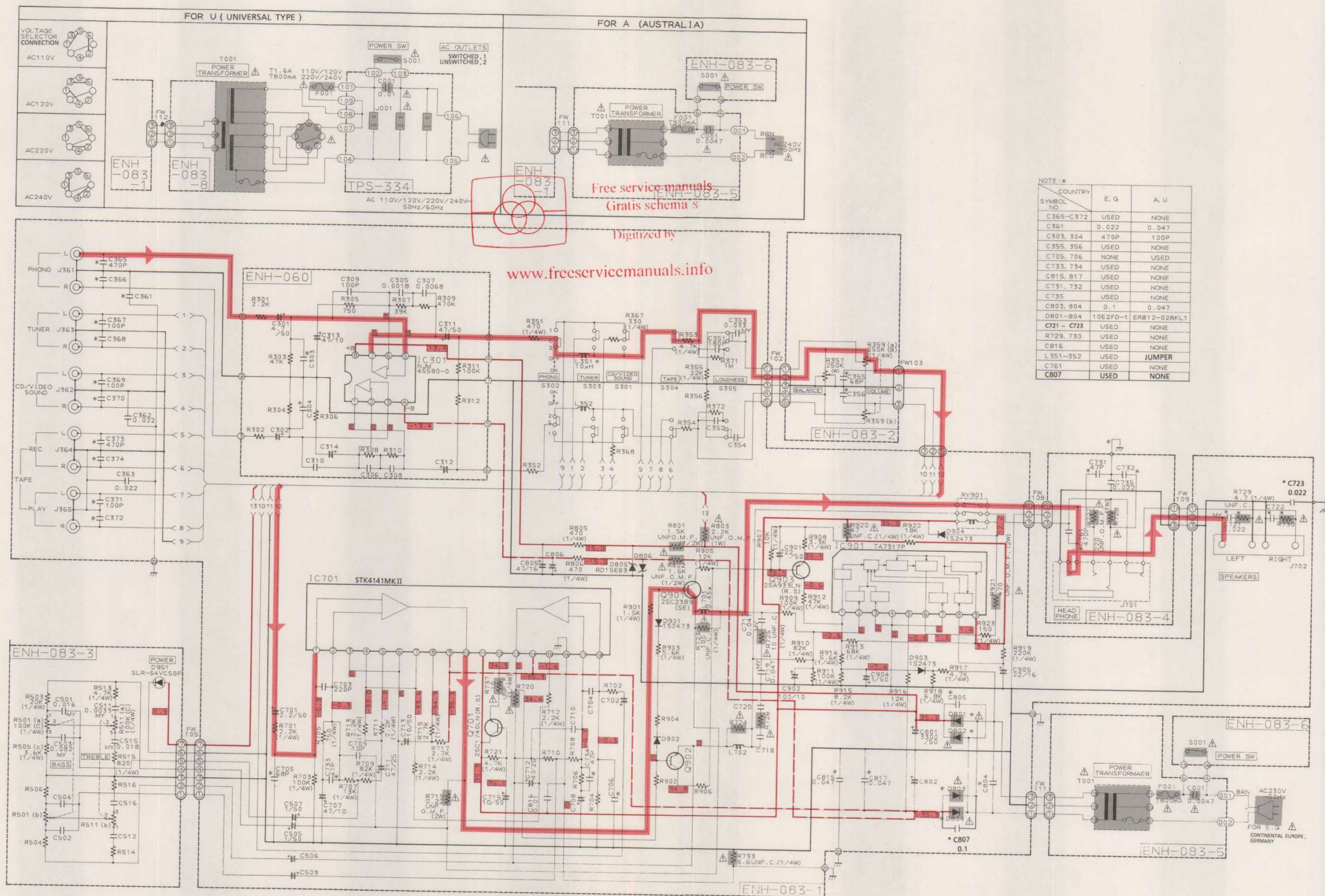
— MEMO —



Printed Circuit Board



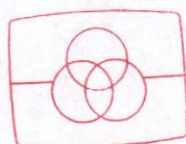
Schematic Diagram



How to Use Schematic Diagrams

1. — indicates the +B line.
2. - - - indicates the -B line.
3. ■ indicates signal path.
4. ■ indicates voltage value.
5. Parts marked with Δ and those in the shaded area ■ are parts for safety. Be sure to use one with the specified part number.
6. This is the standard circuit diagram. The circuits and circuit constants are subject to change for improvement without notice.

PARTS LIST



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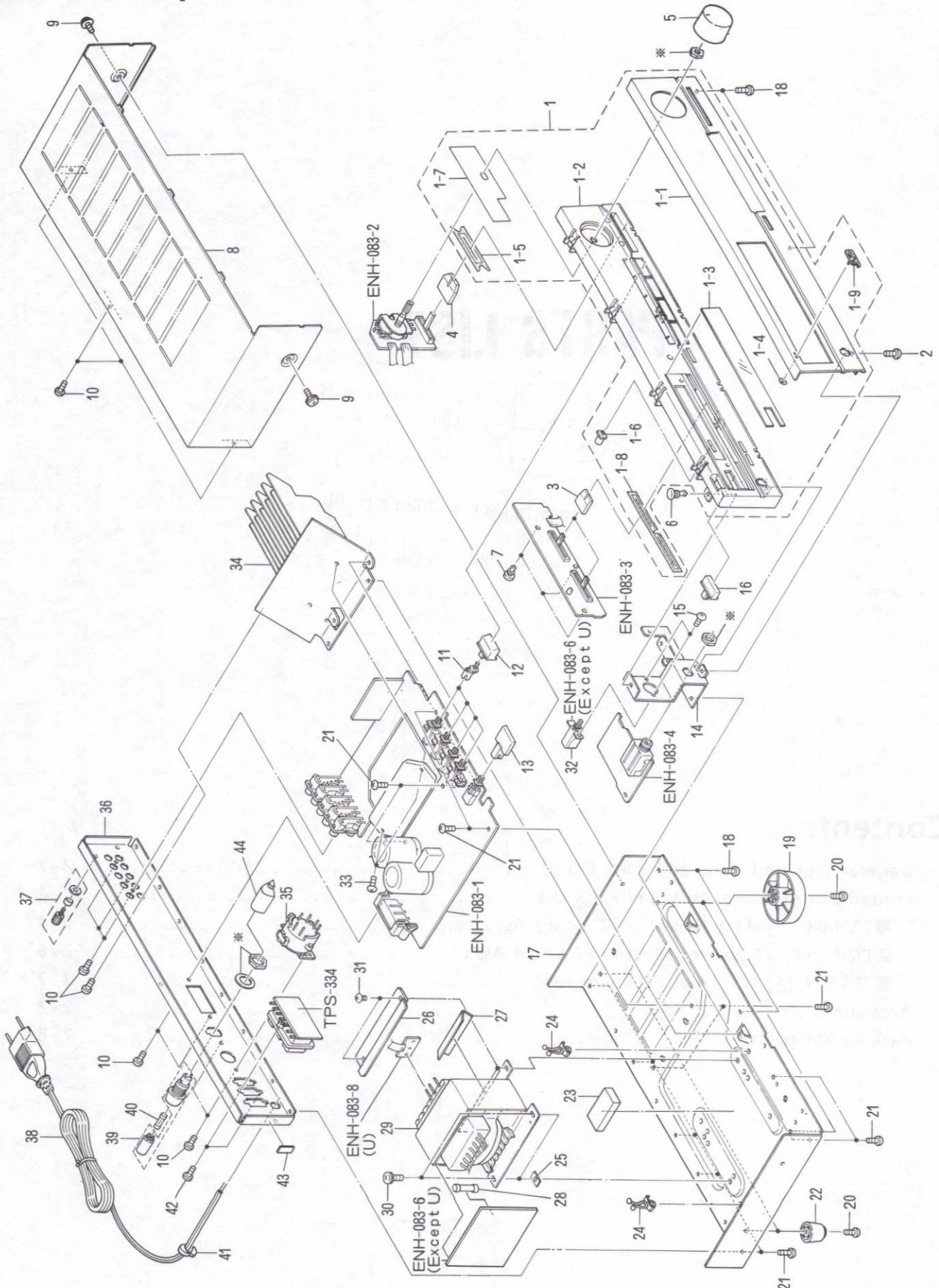
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General Exploded View and Parts List



■ Parts List

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	EFP-AX142BKE	Front Panel Ass'y	1		
	1-1	E25348-005	Front Panel	1		
	1-2	E11298-004	Front Base	1		
	1-3	E304234-004	Window Screen	1		
	1-4	E60912-003	Speed Nut	1		
	1-5	E72142-002	Felt Spacer	1		
	1-6	E72153-001	Indicator	1		
	1-7	E72353-001	Sheet	1		
	1-8	E73176-001	Felt Spacer	1		
	1-9	E72968-001	JVC Mark	1		
	2	SBSG3008Z	Screw	1		
	3	E73193-001	Slide Knob	2	TONE	
	4	E71269-003	Slide Knob	1	BALANCE	
	5	E72138-002	Volume Knob	1		
	6	E48729-009	Plastic Rivet	1		
	7	E48729-007	Plastic Rivet	3		
	8	E24979-006	Metal Cover	1		
	9	E61660-004	Special Screw	2	for Metal Cover (Side)	
	10	SBSG3008M	Screw	9		Except U
		SBSG3008M	Screw	11		U
	11	E71235-001	Push Shaft	4		
	12	E73174-001	Push Button	4	SOURCE	
	13	E71268-002	Push Button	1	LOUDNESS	
	14	E304233-002	Bracket	1		
	15	SBST3006Z	Screw	2		
	16	E72789-001	Push Knob	1	POWER	
	17	E11117-004	Chassis Base	1		
	18	SBSF3010M	Screw	4		
	19	E307490-001	Foot Ass'y	2	Front	
	20	SBST3008Z	Screw	4	for Foot Ass'y	
	21	SBSG3008N	Screw	13		
	22	E47227-037	Foot Ass'y	2	Rear	
	23	EXO030020N90S02	Spacer	1		G
	24	QHW2052-001	Wire Clamp	2		
	25	E406228-004	Spacer	2		G
⚠	26	E72347-001	Bracket	1		G
⚠	27	E72352-001	Spacer	1		G
⚠	28	QMF51A2-R80S	Fuse	1	F001	Except U
⚠	29	ETP1070-17FA	Power Transformer	1		U
⚠		ETP1070-17EA	Power Transformer	1		A
⚠	30	ETP1070-17EB	Power Transformer	1		E, EF, G
		E65389-002	Special Screw	2		Except G
		E65389-005	Special Screw	2		G
⚠	31	E65389-002	Special Screw	2		
	32	QSP1106-004	Power Switch	1		U
	33	SBSA3014Z	Screw	2		
	34	E24976-005	Heat Sink	1		A, U
		E24976-006	Heat Sink	1		E, EF, G
⚠	35	QSR0085-017U	Voltage Selector	1		U
	36	E24977-033	Rear Panel	1		U
	—	E24977-034	Rear Panel	1		Except U
		E303260-238	Rating Label	1		E, EF, G
⚠	37	E70078-003	GND Terminal	1		
⚠	38	QMP2560-244	Power Cord	1		A
		QMP3900-200	Power Cord	1		E, EF, G
⚠	39	QMP7600-200	Power Cord	1		U
⚠		QMG0301-003	Fuse Holder	1		U
⚠	40	QMF51A2-R80S	Fuse	1	F001	U
	41	QHS3876-162	Cord Stopper	1		
	42	SDSG3008M	Screw	2		U
	43	EXO020007R10S10	Spacer	1		G
	44	E69291-001	Fuse Cover	1		U
	—	E61029-005	Number Label	1		A, U
	—	E70028-001	Approval Label	1		E
	—	E74792-096	FTZ Label	1		G

The Marks for Designated Areas

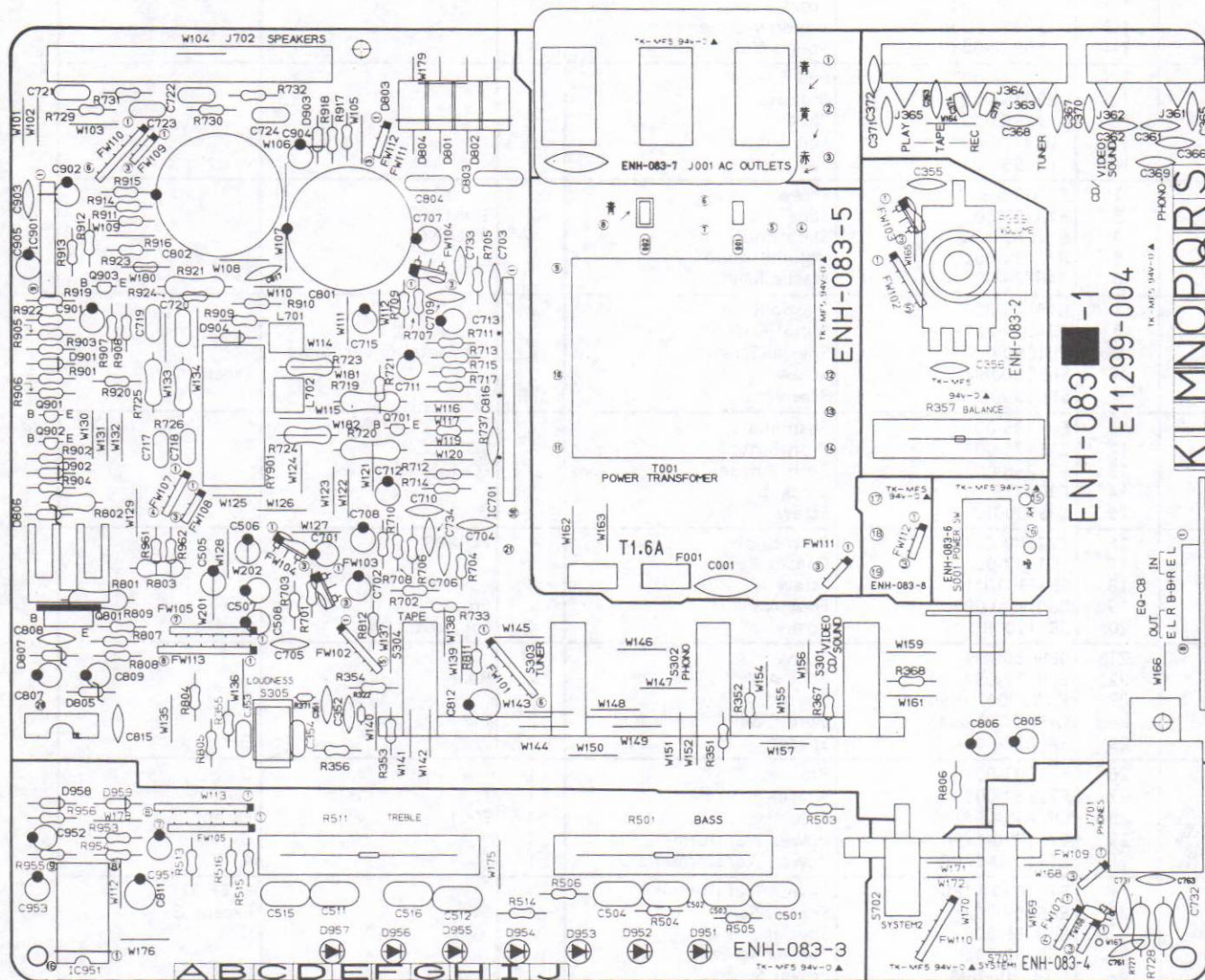
A.....Australia U.....Universal Type
 E,EF.....Continental Europe No mark indicates all areas.
 G.....Germany

⚠ Safety Parts

Printed Circuit Board Ass'y and Parts List

■ ENH-083 ☐ Main Amplifier PC Board Ass'y

Note : ENH-083 ☐ varies according to the areas employed. See note (1) when placing an order.



Note(1)

PC Board Ass'y	Designated Areas
ENH-083 C	Universal Type
ENH-083 G	Australia
ENH-083 H	Continental Europe Germany

Transistors

ITEM	PART NUMBER	DESCRIPTION	AREA
Q701	2SC1740LN(R,S)	SILICON ROHM	
Q901	2SC2389(S,E)	SILICON ROHM	
Q902	2SC2389(S,E)	SILICON ROHM	
Q903	2SA933LN(R,S)	SILICON ROHM	

△ SAFETY PARTS

I.C.s

△	ITEM	PART NUMBER	DESCRIPTION		AREA
	IC701	STK4141MK2	I.C.	SANYO	
	IC901	TA7317P	I.C.	TOSHIBA	

▲ SAFETY PARTS

Diodes

Δ	ITEM	PART NUMBER	DESCRIPTION		AREA
	D801	ERB12-02RKL1	SILICON	KYOUDOU	C
	D801	ERB12-02RKL1	SILICON	KYOUDOU	G
	D801	10E2FD-1	ZENER	NIHONINTER	H
	D802	ERB12-02RKL1	SILICON	KYOUDOU	C
	D802	ERB12-02RKL1	SILICON	KYOUDOU	G
	D802	10E2FD-1	ZENER	NIHONINTER	H
	D803	ERB12-02RKL1	SILICON	KYOUDOU	C
	D803	ERB12-02RKL1	SILICON	KYOUDOU	G
	D803	10E2FD-1	ZENER	NIHONINTER	H
	D804	ERB12-02RKL1	SILICON	KYOUDOU	C
	D804	ERB12-02RKL1	SILICON	KYOUDOU	G
	D804	10E2FD-1	ZENER	NIHONINTER	H
	D805	RD15EB3	ZENER	NEC	
	D806	RD15EB3	ZENER	NEC	
	D901	1S2473	SILICON	ROHM	

△ SAFETY PARTS

Diodes

ITEM	PART NUMBER	DESCRIPTION	AREA
D902	1S2473	SILICON ROHM	
D903	1S2473	SILICON ROHM	
D904	1S2473	SILICON ROHM	
D951	SLR-54VC50F165	L.E.D.	

△ (SAFETY PARTS)

Capacitors

ITEM	PART NUMBER	DESCRIPTION	AREA
C001	QCZ9019-472	4700PF CERAMIC	G
C001	QCZ9019-472	4700PF CERAMIC	H
C351	QCS21HJ-181	180PF 50V CERAMIC	
C352	QCS21HJ-181	180PF 50V CERAMIC	
C353	QFN81HK-333	0.033MF 50V MYLAR	
C354	QFN81HK-333	0.033MF 50V MYLAR	
C355	QCS21HJ-680	68PF 50V CERAMIC	H
C356	QCS21HJ-680	68PF 50V CERAMIC	H
C361	QCF21HP-473	0.047MF 50V CERAMIC	C
C361	QCF21HP-473	0.047MF 50V CERAMIC	G
C361	QCF21HP-223	0.022MF 50V CERAMIC	H
C362	QCF21HP-223	0.022MF 50V CERAMIC	
C363	QCF21HP-223	0.022MF 50V CERAMIC	
C365	QCS21HJ-471	470PF 50V CERAMIC	H
C366	QCS21HJ-471	470PF 50V CERAMIC	H
C367	QCS21HJ-101	100PF 50V CERAMIC	H
C368	QCS21HJ-101	100PF 50V CERAMIC	H
C369	QCS21HJ-101	100PF 50V CERAMIC	H
C370	QCS21HJ-101	100PF 50V CERAMIC	H
C371	QCS21HJ-101	100PF 50V CERAMIC	H
C372	QCS21HJ-101	100PF 50V CERAMIC	H
C373	QCS21HJ-101	100PF 50V CERAMIC	H
C374	QCS21HJ-101	100PF 50V CERAMIC	H
C501	QFN81HK-153	0.015MF 50V MYLAR	
C502	QFN81HK-153	0.015MF 50V MYLAR	
C503	QFN81HK-823	0.082MF 50V MYLAR	
C504	QFN81HK-823	0.082MF 50V MYLAR	
C505	QETB1HM-105	1MF 50V ELECTRO	
C506	QETB1HM-105	1MF 50V ELECTRO	
C507	QETB1HM-105	1MF 50V ELECTRO	
C508	QETB1HM-105	1MF 50V ELECTRO	
C511	QFN81HK-332	3300PF 50V MYLAR	
C512	QFN81HK-332	3300PF 50V MYLAR	
C515	QFN81HK-183	0.018MF 50V MYLAR	
C516	QFN81HK-183	0.018MF 50V MYLAR	
C701	QETB1HM-225	2.2MF 50V ELECTRO	
C702	QETB1HM-225	2.2MF 50V ELECTRO	
C703	QCS21HJ-221	220PF 50V CERAMIC	
C704	QCS21HJ-221	220PF 50V CERAMIC	
C705	QCS21HJ-680	68PF 50V CERAMIC	C
C705	QCS21HJ-680	68PF 50V CERAMIC	G
C706	QCS21HJ-680	68PF 50V CERAMIC	C
C706	QCS21HJ-680	68PF 50V CERAMIC	G
C707	QETB1AM-476	47MF 10V ELECTRO	
C708	QETB1AM-476	47MF 10V ELECTRO	
C709	QCS21HJ-100	10PF 50V CERAMIC	
C710	QCS21HJ-100	10PF 50V CERAMIC	
C711	QETB1EM-476	47MF 25V ELECTRO	
C712	QETB1EM-476	47MF 25V ELECTRO	
C713	QETB1HM-106	10MF 50V ELECTRO	
C715	QETB1HM-106	10MF 50V ELECTRO	
C717	QFN81HK-473	0.047MF 50V MYLAR	
C718	QFN81HK-473	0.047MF 50V MYLAR	
C719	QFN81HK-473	0.047MF 50V MYLAR	
C720	QFN81HK-473	0.047MF 50V MYLAR	
C721	QFN81HK-223	0.022MF 50V MYLAR	H
C722	QFN81HK-223	0.022MF 50V MYLAR	H
C731	QCSB1HJ-470	47PF 50V CERAMIC	H
C732	QCS21HJ-470	47PF 50V CERAMIC	H
C733	QCS21HJ-470	47PF 50V CERAMIC	H
C734	QCS21HJ-470	47PF 50V CERAMIC	H
C735	QCHB1EZ-223	0.022MF 25V CERAMIC	H
C761	QCSB1HJ-471	470PF 50V CERAMIC	H
C801	QE20072-338	3300MF 50V ELECTRO	
C802	QE20072-338	3300MF 50V ELECTRO	
C803	QFN82AK-473	0.047MF 100V MYLAR	C
C803	QFN82AK-473	0.047MF 100V MYLAR	G
C803	QFN32AK-104	0.1MF 100V MYLAR	H
C804	QFN82AK-473	0.047MF 100V MYLAR	C
C804	QFN82AK-473	0.047MF 100V MYLAR	G
C804	QFN82AK-104	0.1MF 100V MYLAR	H
C805	QETB1CM-476	47MF 16V ELECTRO	
C806	QETB1CM-476	47MF 16V ELECTRO	
C807	QFN32AK-104	0.1MF 100V MYLAR	H
C815	QCF21HP-473	0.047MF 50V CERAMIC	H
C816	QCE22HP-103	0.01MF 500V CERAMIC	H
C817	QCF21HP-473	0.047MF 50V CERAMIC	H
C901	QETB1HM-226	22MF 50V ELECTRO	
C902	QETB1AM-107	100MF 10V ELECTRO	
C904	QETB1HM-105	1MF 50V ELECTRO	
C905	QETB1CM-226	22MF 16V ELECTRO	

△ (SAFETY PARTS)

Resistors

ITEM	PART NUMBER	DESCRIPTION	AREA
R351	QRD148J-471S	470 1/4W CARBON	
R352	QRD148J-471S	470 1/4W CARBON	
R353	QRD148J-472S	4.7K 1/4W CARBON	
R354	QRD148J-472S	4.7K 1/4W CARBON	
R355	QRD148J-223S	22K 1/4W CARBON	
R356	QRD148J-223S	22K 1/4W CARBON	
R357	QVWA01W-EF5E	250K VARIABLE	
R359	QVN9A3B-5F5V	250K VARIABLE	
R367	QRD148J-151S	150 1/4W CARBON	
R368	QRD148J-151S	150 1/4W CARBON	
R371	QRD167J-105	1M 1/6W CARBON	
R372	QRD167J-105	1M 1/6W CARBON	
R501	QVUB01C-E15F	100K VARIABLE	
R503	QRD148J-203S	20K 1/4W CARBON	
R504	QRD148J-203S	20K 1/4W CARBON	
R505	QRD148J-362S	3.6K 1/4W CARBON	
R506	QRD148J-362S	3.6K 1/4W CARBON	
R511	QVUB01C-E15F	100K VARIABLE	
R513	QRD148J-472S	4.7K 1/4W CARBON	
R514	QRD148J-472S	4.7K 1/4W CARBON	
R515	QRD148J-821S	820 1/4W CARBON	
R516	QRD148J-821S	820 1/4W CARBON	
R701	QRD148J-222S	2.2K 1/4W CARBON	
R702	QRD148J-222S	2.2K 1/4W CARBON	
R703	QRD148J-104S	100K 1/4W CARBON	
R704	QRD148J-104S	100K 1/4W CARBON	
R705	QRD148J-751S	750 1/4W CARBON	
R706	QRD148J-751S	750 1/4W CARBON	
R707	QRD148J-133S	13K 1/4W CARBON	
R708	QRD148J-133S	13K 1/4W CARBON	
R709	QRD148J-823S	82K 1/4W CARBON	
R710	QRD148J-823S	82K 1/4W CARBON	
R711	QRD145J-222S	2.2K 1/4W UNF. CARBON	
R712	QRD145J-222S	2.2K 1/4W UNF. CARBON	
R713	QRD145J-222S	2.2K 1/4W UNF. CARBON	
R714	QRD145J-222S	2.2K 1/4W UNF. CARBON	
R715	QRD148J-272S	2.7K 1/4W CARBON	
R717	QRD148J-272S	2.7K 1/4W CARBON	
R719	QRX022J-R22A	0.22 2W M. FILM	
R720	QRX022J-R22A	0.22 2W M. FILM	
R721	QRD148J-272S	2.7K 1/4W CARBON	
R723	QRD145J-101S	100 1/4W UNF. CARBON	H
R724	QRD145J-101S	100 1/4W UNF. CARBON	H
R725	QRD145J-100S	10 1/4W UNF. CARBON	
R726	QRD145J-100S	10 1/4W UNF. CARBON	
R727	QRG012J-221A	220 1W O.M. FILM	
R728	QRG012J-221A	220 1W O.M. FILM	
R729	QRD145J-4R7S	4.7 1/4W UNF. CARBON	H
R730	QRD145J-4R7S	4.7 1/4W UNF. CARBON	H
R733	QRD145J-5R6S	5.6 1/4W UNF. CARBON	
R737	QRZ0062-100	10 1/4W FUSIBLE	
R801	QRG012J-152A	1.5K 1W O.M. FILM	
R802	QRG012J-152A	1.5K 1W O.M. FILM	
R803	QRG012J-222A	2.2K 1W O.M. FILM	
R805	QRD148J-471S	470 1/4W CARBON	
R806	QRD148J-471S	470 1/4W CARBON	
R901	QRD148J-152S	1.5K 1/4W CARBON	
R902	QRD148J-152S	1.5K 1/4W CARBON	
R903	QRD148J-562S	5.6K 1/4W CARBON	
R904	QRD148J-562S	5.6K 1/4W CARBON	
R905	QRD148J-123S	12K 1/4W CARBON	
R906	QRD148J-123S	12K 1/4W CARBON	
R907	QRD148J-103S	10K 1/4W CARBON	
R908	QRD148J-332S	3.3K 1/4W CARBON	
R909	QRD148J-104S	100K 1/4W CARBON	
R910	QRD148J-823S	82K 1/4W CARBON	
R911	QRD148J-104S	100K 1/4W CARBON	
R912	QRD148J-473S	47K 1/4W CARBON	
R913	QRD148J-683S	68K 1/4W CARBON	
R914	QRD148J-563S	56K 1/4W CARBON	
R915	QRD148J-153S	15K 1/4W CARBON	
R916	QRD148J-123S	12K 1/4W CARBON	
R917	QRD148J-472S	4.7K 1/4W CARBON	
R918	QRD148J-682S	6.8K 1/4W CARBON	
R919	QRD148J-224S	220K 1/4W CARBON	
R920	QRD145J-470S	47 1/4W UNF. CARBON	
R921	QRG022J-471A	470 2W O.M. FILM	
R922	QRD148J-183S	18K 1/4W CARBON	
R923	QRD145J-151S	150 1/4W UNF. CARBON	

△ (SAFETY PARTS)

Others

ITEM	PART NUMBER	DESCRIPTION	AREA
	E11299-004	CIRCUIT BOARD	
	E33754-001	TIE BAND	
	E70859-001	EARTH PLATE	
	E72257-001	EARTH PLATE	
	EMG7331-001	FUSE CLIP	G

△ (SAFETY PARTS)

Others

ITEM	PART NUMBER	DESCRIPTION	AREA
	E65508-002	TAB	G
	E67132-TR80	FUSE LABEL	G
	EMG7331-001	FUSE CLIP	H
	EWTO11-092	TERMINAL WIRE	H
	E65508-002	TAB	H
	E67132-TR80	FUSE LABEL	H
J361	EMN00TV-405B	4P PIN JACK	
J363	EMN00TV-602A	6P PIN JACK	
J364	EMN00TV-602A	6P PIN JACK	
J365	EMN00TV-602A	6P PIN JACK	
J701	QMS6312-020	HEADPHONE JACK	
J702	EMB90YV-401A	SPEAKER TERMINAL	
L351	EQL4004-100	INDUCTOR	H
L352	EQL4004-100	INDUCTOR	H
L701	EQL0001-R45	INDUCTOR	H
L702	EQL0001-R45	INDUCTOR	H
S001	QSP1106-004	POWER SWITCH	G
S001	QSP1106-004	POWER SWITCH	H
S301	QST94A2-E01	PUSH SWITCH (CD/VIDEO SOUND)	
S302	QST94A2-E01	PUSH SWITCH (PHONO)	
S303	QST94A2-E01	PUSH SWITCH (TUNER)	
S304	QST94A2-E01	PUSH SWITCH (TAPE MONITOR)	
S305	QST9101-E07	PUSH SWITCH (LOUDNEES)	
FW102	EWR35B-25SST	FLAT WIRE (5PIN)	
FW103	EWR23C-25NN	FLAT WIRE (3PIN)	
FW104	EWR23C-13NN	FLAT WIRE (3PIN)	
FW105	EWR37B-10SST	FLAT WIRE (7PIN)	
FW108	EWR33B-30SST	FLAT WIRE (3PIN)	
FW109	EWR33B-35SST	FLAT WIRE (3PIN)	
FW111	EWR33B-30SST	FLAT WIRE (3PIN)	G
FW111	EWR33B-30SST	FLAT WIRE (3PIN)	H
FW112	EWR33B-25SST	FLAT WIRE (3PIN)	C
RY901	ESK5D24-218	RELAY	

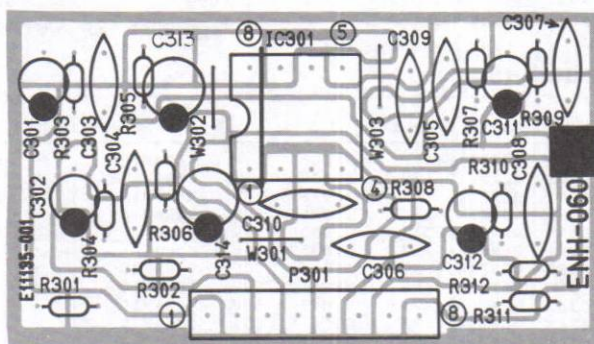
△ ISIAFETY PARTS

■ ENH-060 □ Equalizer Module

PC Board Ass'y

Note : ENH-060 □ varies according to the areas employed.

See note (1) when placing an order.



Note(1)

PC Board Ass'y	Designated Areas
ENH-060 A	Australia , Universal Type
ENH-060 B	Continental Europe Germany

I.C.s

ITEM	PART NUMBER	DESCRIPTION	AREA
IC301	NJM4560DD	I.C. DAINICHI	

△ ISIAFETY PARTS

Capacitors

ITEM	PART NUMBER	DESCRIPTION	AREA
C301	QETB1HM-475	4.7MF 50V ELECTRO	
C302	QETB1HM-475	4.7MF 50V ELECTRO	
C303	QCY21HK-101	100PF 50V CERAMIC	A
C303	QCY21HK-471	470PF 50V CERAMIC	B
C304	QCY21HK-101	100PF 50V CERAMIC	A
C304	QCY21HK-471	470PF 50V CERAMIC	B
C305	QCY21HK-182	1800PF 50V CERAMIC	
C306	QCY21HK-182	1800PF 50V CERAMIC	
C307	QCY21HK-682	6800PF 50V CERAMIC	
C308	QCY21HK-682	6800PF 50V CERAMIC	
C309	QCY21HK-101	100PF 50V CERAMIC	
C310	QCY21HK-101	100PF 50V CERAMIC	
C311	QETB1HM-475	4.7MF 50V ELECTRO	
C312	QETB1HM-475	4.7MF 50V ELECTRO	
C313	QETB1AM-476	47MF 10V ELECTRO	
C314	QETB1AM-476	47MF 10V ELECTRO	

△ ISIAFETY PARTS

Resistors

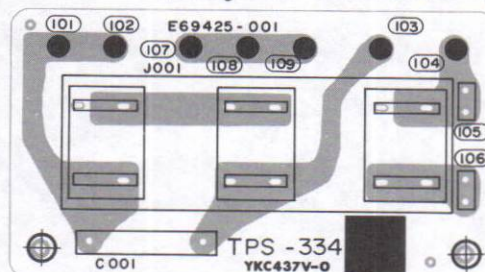
ITEM	PART NUMBER	DESCRIPTION	AREA
R301	QRD167J-222	2.2K 1/6W CARBON	
R302	QRD167J-222	2.2K 1/6W CARBON	
R303	QRD167J-473	47K 1/6W CARBON	
R304	QRD167J-473	47K 1/6W CARBON	
R305	QRD167J-751	750 1/6W CARBON	
R306	QRD167J-751	750 1/6W CARBON	
R307	QRD167J-393	39K 1/6W CARBON	
R308	QRD167J-393	39K 1/6W CARBON	
R309	QRD167J-474	470K 1/6W CARBON	
R310	QRD167J-474	470K 1/6W CARBON	
R311	QRD167J-104	100K 1/6W CARBON	
R312	QRD167J-104	100K 1/6W CARBON	

△ ISIAFETY PARTS

Others

ITEM	PART NUMBER	DESCRIPTION	AREA
P301	E11135-001 EMV5101-008B	CIRCUIT BOARD PLUG ASSY (8PIN)	

⚠ SAFETY PARTS

■TPS-344[A] AC Outlet PC Board Ass'y
(Only for Universal Type)

Capacitors

ITEM	PART NUMBER	DESCRIPTION	AREA
C001	QCZ9018-103	0.01MF CERAMIC	

⚠ SAFETY PARTS

Others

ITEM	PART NUMBER	DESCRIPTION	AREA
	E65508-002	TAB	
	E67764-302	WRAPPING TERMINAL	
	E67764-402	WRAPPING TERMINAL	
	E67764-403	WRAPPING TERMINAL	
	E69425-003	CIRCUIT BOARD	
⚠	GMC0637-004	AC OUTLET	

⚠ SAFETY PARTS

Accessories List

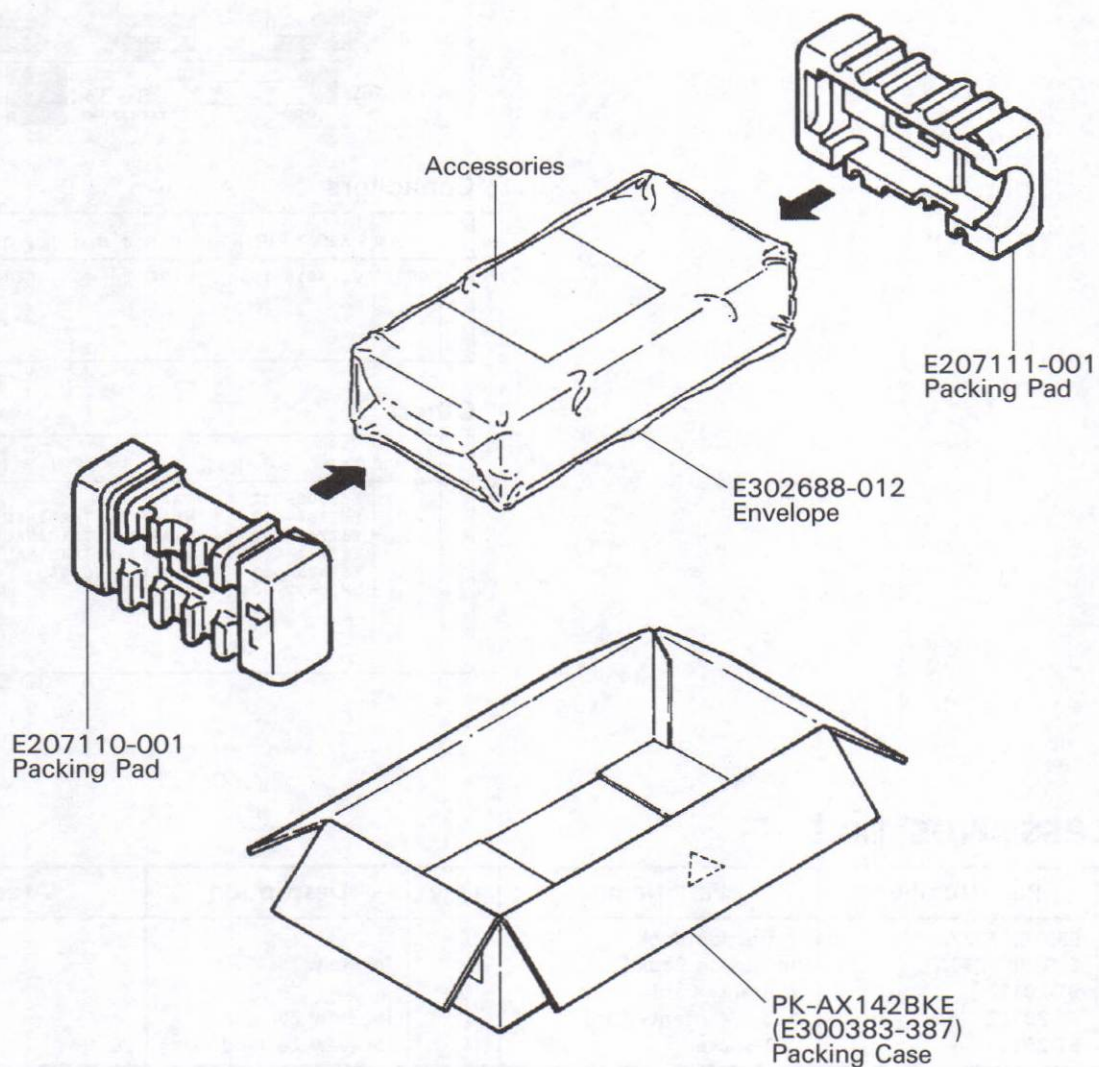
⚠	Part Number	Part Name	Q'ty	Description	Areas
	E30580-1727A	Instruction Book	1		
	E30580-1738A	Instruction Book	1	for Italy	E
	BT-20117	Warranty Card	1		G
	BT-20122	Audio Warranty Card	1	for New Zealand	A
	BT-20122-1	LTD Sticker	1	for New Zealand	A
⚠	E04056	Siemens Plug	1		U
	E35497-015	Caution Sheet	1	220V	U
⚠	QMF51A2-1R6S	Fuse	1		U
	E67142-T1R6	Fuse Label	1		U
	QZL1008-001	FTZ Information Sheet	1		G
	E6581-4	Envelope	1	for Fuse and Fuse Label	U
	E41202-2	Envelope	1		

The Marks for Designated Areas

⚠ Safety Parts

A.....Australia U.....Universal Type
 E,EF.....Continental Europe No mark indicates all areas.
 G.....Germany

Packing Materials and Part Numbers



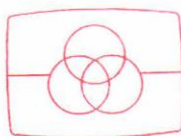
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— MEMO —

JVC

VICTOR COMPANY OF JAPAN, LIMITED
AUDIO PRODUCTS DIVISION, YAMATO PLANT, 1644, SHIMOTSURUMA, YAMATO-SHI, KANAGAWA-KEN, 242, JAPAN



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