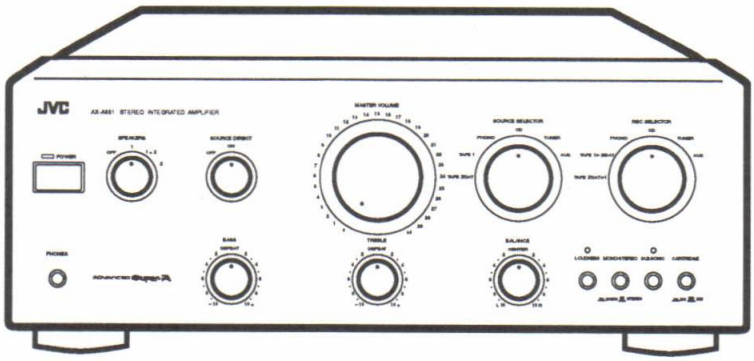
JVC

SERVICE MANUAL

STEREO INTEGRATED AMPLIFIER

AX-A661TN
AX-A662BK



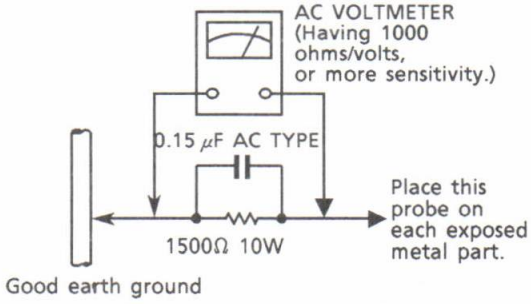
Note

These models are completely the same in their structure, except for their outlook colour.

No. 20365
July 1992

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 repalcement 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 currnet 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, contorl 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 meausre 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

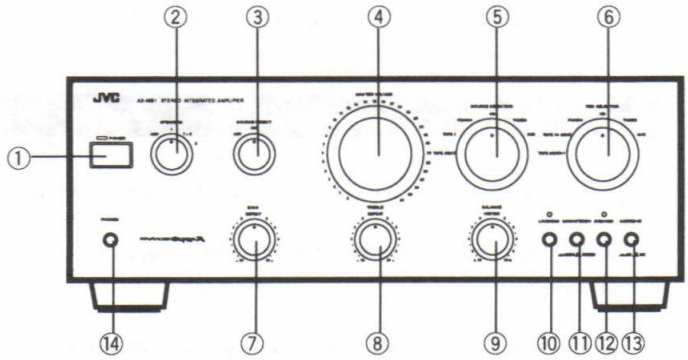
1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety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

Instruction Book

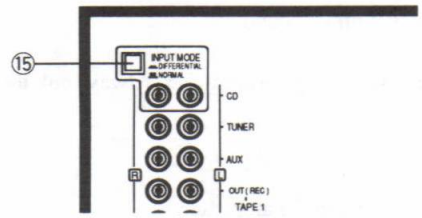
Contents

Names of Parts

Front



Rear



① **POWER switch (page 4)**
② **SPEAKERS switch (page 6)**
③ **SOURCE DIRECT switch (page 7)**
④ **MASTER VOLUME control (page 6)**
⑤ **SOURCE SELECTOR switch (Page 5)**
⑥ **REC SELECTOR switch (page 5)**
⑦ **BASS control (page 6)**
⑧ **TREBLE control (page 6)**
⑨ **BALANCE control (page 6)**
⑩ **LOUDNESS switch (page 6)**
⑪ **MONO/STEREO switch (page 8)**
⑫ **SUBSONIC switch (page 8)**
⑬ **CARTRIDGE switch (page 5)**
⑭ **PHONES jack (page 4)**
⑮ **INPUT MODE switch (page 7)**

• The AX-A661TN has the same function as the AX-A662BK except for their appearances in color.

Introduction

Thank you for purchasing this JVC AX-A661TN/AX-A662BK Amplifier. We hope it will be a valued addition to your audio/visual system. Be sure to read these instructions carefully before operating the amplifier.

About this manual

This manual gives you the basic information you need to set up and use your amplifier. It explains everything you need to know from turning on the power switch to basic trouble-shooting. Please consult your JVC dealer if you have any questions about the amplifier.

Use the following guideline to help you follow the instructions in this manual:

- The switches and controls that you will be using are indicated with capital letters, like this: MASTER VOLUME control
- Connection points on the back of the amplifier are indicated with capital letters, like this: CD jacks
- Parts of this manual must be observed to avoid electric shock or other injury to yourself. These parts are labeled ⚠**CAUTION!**
- Steps that you need to follow to get the correct results are labeled ***Important!***
- Additional information that is helpful to know, is labeled ***Note:***

Before Installing your Amplifier

Locating the Amplifier

Install the amplifier in a place that is level and protected from moisture.

The temperature around the amplifier must be between –5° and 40° Celsius (23° and 104° Fahrenheit).

Make sure there is good ventilation around the amplifier. Poor ventilation could cause over-heating and damage the amplifier.

Making Power Connections

Do not handle the power cord with wet hand.

Do not pull on the power cord to unplug the amplifier. Always pull the molded plug at the end of the cord instead.

Handling the Amplifier

Do not insert any metallic object into the amplifier.

⚠**CAUTION!** To reduce risks, such as electric shocks or fires:
1. Do not remove screws, covers, or cabinet.
2. Do not expose this appliance to rain or moisture.

Connections

This section explains how to connect the amplifier to other stereo equipment and speakers, and how to connect the power supply to the amplifier.

Before Starting

Before connecting the amplifier, read the following paragraphs carefully.

Important! *The left channel of any stereo equipment must be connected to the left-channel jack of the amplifier, and the right channel to the right-channel jack. If they are reversed, the correct stereophonic image will not be generated.*

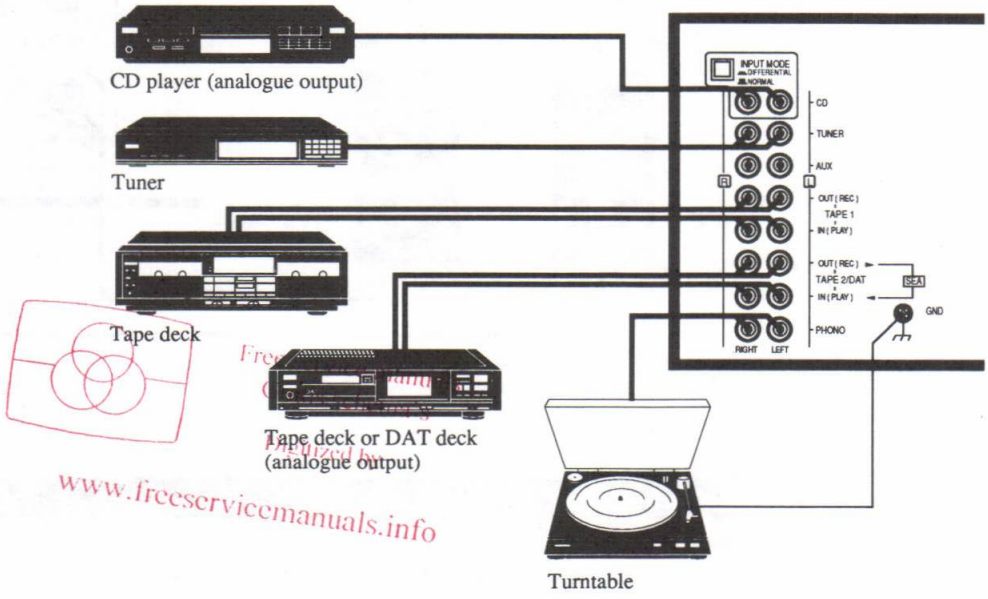
Note: *To ensure correct connections, insert the red plug into the red jack. (Red, by convention represents the right channel.)*

Connecting Stereo Equipment

Basic Connections

Connect stereo equipment to the amplifier using cables with RCA PIN plugs. Connect the output jacks on a tape deck to the jacks marked IN (PLAY) on the amplifier, and the input jacks to those marked OUT (REC).

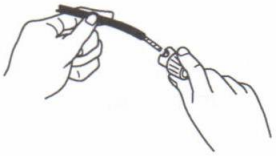
Notes: *Use the AUX jacks to connect audio equipment other than the following. A turntable, however, cannot be connected to the AUX jacks.*



Connecting a Graphic Equalizer

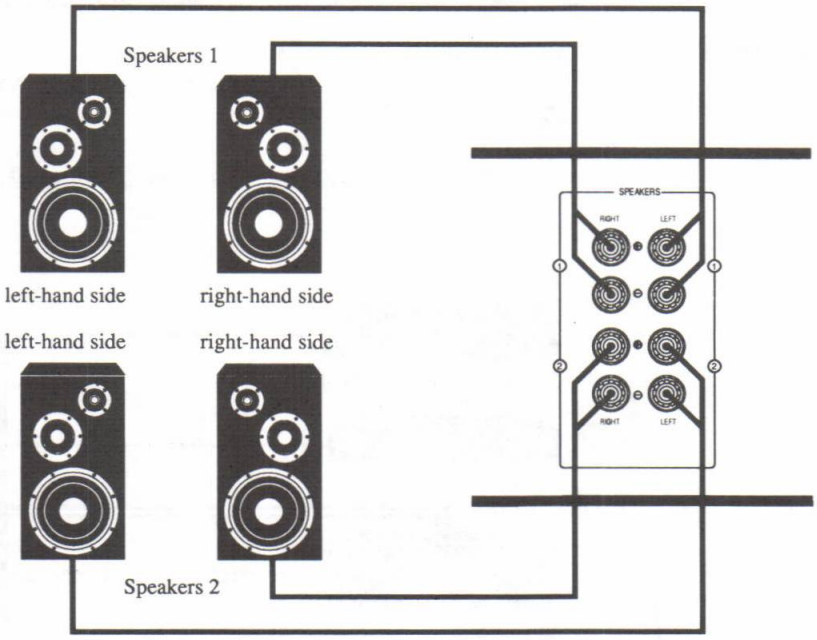
Instead of connecting a second tape deck, you can use a graphic equalizer. Connect the output jack of the graphic equalizer to the TAPE 2/DAT jacks marked IN (PLAY), and the input jacks to the TAPE 2/DAT jacks marked OUT (REC).
JVC's S.E.A. graphic equalizer is recommended.

Connecting Speakers



Up to two sets of speakers (four speakers in total) can be connected to the amplifier.
Screws speaker terminals are used. Rotate the screw counterclockwise to loosen them, and insert the speaker wire as shown on the left. Tighten the screw clockwise to fasten the speaker wire.

Note: *Special care is needed in selecting the impedance of the speakers. Only speakers with an impedance of 4 to 16 ohms can be used with this amplifier. However, if two sets of speakers are used at the same time, do not use speakers with an impedance lower than 8 ohms.*



Connecting the Power Supply

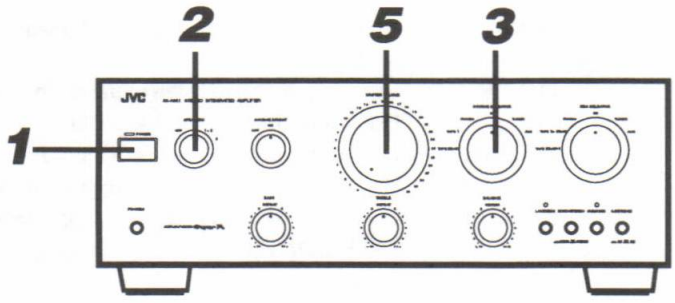
After checking all the connections, insert power cord into an outlet.

⚠**CAUTION!** Do not touch the power cord with wet hands.

Basic Operation

This section covers the basic operating procedure for listening to the output of stereo equipment connected to the amplifier.

Follow the steps below:



1. Turn on the power.

Press the POWER switch.
The indicator above the switch lights up.

2. Select the speakers you wish to use. (See page 6.)

Set the SPEAKERS switch to the desired position.
If you want to listen through headphones, plug then into the PHONES jack.

3. Select the source you wish to listen to. (See page 5.)

Selecting the desired position on the SOURCE SELECTOR switch.

Note: For details of the function of the SOURCE SELECTOR switch and how to select a source for recording with the tape deck, refer to page 5.

4. Activate the source equipment (CD player, turntable, or tape deck).

Follow the instructions in the equipment mannual.

5. Adjust the volume and tone. (See page 6.)

Use the MASTER VOLUME control to adjust the volume.
Turn the volume control to the desired position.

Note: The amplifier has a range of functions which allow you to set the tone to suit your preferences. For details of this, see page 6.

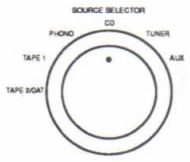
Selecting the Source

You can select the source you wish to hear or record from among the stereo equipment connected to the amplifier.

Selecting the Source You Wish to Hear

Selecting the Source You Wish to Hear

Use the SOURCE SELECTOR switch to choose the source. The switch has the following six positions.



AUX: Use this position to listen to equipment connected to the amplifier's AUX jacks.
TUNER: Use this position to listen to the radio.
CD: Use this position to listen to a CD.
PHONO: Use this position to listen to a record.
TAPE 1: Use this position to listen to the tape deck connected to the TAPE 1 jacks.
TAPE 2/DAT: Use this position to listen to the tape deck connected to the TAPE 2/DAT jacks.

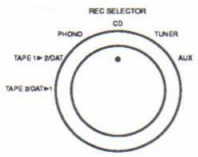
Type of Turntable Cartridge

Before using the turntable, press the CARTRIDGE switch and set the gain of the phono equalizer to match the type of cartridge being used. For an MM (moving magnet) cartridge, set the switch to "▮MM" (out). For an MC (moving coil) cartridge, set the switch to "▂MC" (depressed). If you detect distortion with an MC cartridge because of its high output level, change the switch to the "MM setting."

Selecting the Source for Recording

Selecting the Source for Recording

Use the REC SELECTOR switch to select the source for recording. The switch has the following six positions.



AUX: Use this position to record from the equipment connected to the amplifier's AUX jacks.
TUNER: Use this position to record from the radio.
CD: Use this position to record from a CD.
PHONO: Use this position to record a record.
TAPE 1 ► TAPE 2/DAT: Use this position to record from the tape deck connected to the TAPE 1 jacks of the amplifier to the tape deck connected to the TAPE 2/DAT jacks of the amplifier.
TAPE 2/DAT ► TAPE 1: Use this position to record from the tape deck connected to the TAPE 2/DAT jacks of the amplifier to the tape deck connected to the TAPE 1 jacks of the amplifier.

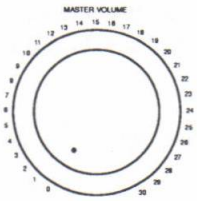
Adjusting the Volume and Tone

You can listen to the selected source at any desired volume and tone settings.

Note: *The adjustments described here do not affect the recording.*

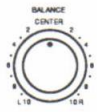
Adjusting the Volume

Adjusting the Volume



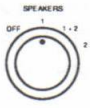
Use the MASTER VOLUME control to adjust the volume from the left and right channels. Rotating the dial to the right raises the volume, and to the left lowers the level. The volume from both sets of speakers and the headphones changes simultaneously.

Adjusting the Balance



Use the BALANCE control to adjust the balance between the output from the left and right channels. Rotating the dial to the right decreases the left-channel volume, and rotating it to the left decreases the right-channel volume. The volume from both sets of speakers and the headphones changes.

Selecting the Speakers



Use the SPEAKERS switch to select from the two sets of speakers connected to the amplifier. The SPEAKERS switch has the following four positions:

2: Use this position to use the speakers connected to the SPEAKERS 2 terminals (lower four terminals).
1+2: Use this position to use both sets of speakers.
1: Use this position to use the speakers connected to the SPEAKERS 1 terminals (upper four terminals).
OFF: Use this position to use the headphones only (with no output from the speakers).

Adjusting the Tone

Adjusting the Bass and Treble

The BASS control adjusts the bass range. The TREBLE control adjusts the treble range. Rotating the controls to the right accentuates the bass or treble, respectively.

Listening at Low Volume Level

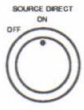
Our ears are not sensitive to low- and high-frequency sounds when the volume is low. The Loudness control compensates for this hearing characteristic. It adjusts the bass and treble settings according to the level.
Press the LOUDNESS switch to activate the Loudness function. The indicator above the switch lights up to indicate that the Loudness function is turned on. Pressing the switch again cancels the Loudness function and the indicator goes out.

Using a Graphic Equalizer

If a graphic equalizer is connected to the TAPE 2/DAT jacks on the rear panel further subtle tone adjustments become possible. To listen to sounds after processing by the graphic equalizer, set the REC SELECTOR switch to the desired source and the SOURCE SELECTOR switch to TAPE 2/DAT.

Improving the Sound Quality

Source Direct Function

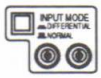


The Source Direct function improves the sound quality by shorten the signal paths. Selecting ON at the SOURCE DIRECT switch sends input signals selected by the SOURCE SELECTOR switch through the amplifier by the shortest possible route. That is, signals bypass the MONO/STEREO switch, the BALANCE control, the BASS control, and the TREBLE control circuits.

Notes: *When the SOURCE DIRECT switch is ON, the following switches and controls do not function:*

- *MONO/STEREO switch*
- *BALANCE control*
- *BASS control*
- *TREBLE control*

CD Differential Input Function



Using the CD Differential Input function further enhances CD sound quality.
The CD Differential Input function improves sound quality by more accurately capturing signals from the CD player. To use this function, set the INPUT MODE switch to "▂DIFFERENTIAL (depressed position). The switch is adjacent to the CD jacks on the rear panel.
A convenient feature of the CD Differential Input function is that the connections to the CD player need not be changed. Simply altering the INPUT MODE switch is enough to change the operation of the input circuit to the differential mode. In this mode, the adverse effects of noise in the ground are reduced, enabling the amplifier to pick up signals more accurately.

Important! *Check that both left and right channels of the CD player are connected to the amplifier's CD jacks before choosing this function. If one of the channels is not connected, noises (buzzing) may be heard or signals may leak between the channels.*

Other Functions

This section explains the use of the MONO/STEREO switch and the SUBSONIC switch.

The MONO/STEREO Switch

The MONO/STEREO switch changes the amplifier output between Monophonic and Stereo modes. Pressing the switch once (in) selects "▂MONO" (monophonic mode). Pressing it once again (out) selects "▉STEREO" (stereo mode).

Monophonic mode: Left and right signal channels from the source are mixed to form a single signal for both channels. If only one of the two channels carries sound, the sound image is offset to are side ifthe Stereo mode is selected. In this case, setting the switch to Monophonic mode moves the sound to the center.

Stereo mode: Left and right signal channels from the source are output as separate signals. Use this mode unless the Monophonic mode is required.

The SUBSONIC Switch

Pressing the SUBSONIC switch toggles the subsonic filter ON and OFF.
When your record album is warped or distorted press the switch to activate the subsonic filter. The indicator above the switch lights up to indicate the subsonic filter is turned on. The subsonic filter protects the amplifier and speakers by cutting out unwanted low-frequency signals which may be generated by a warped or distorted record album.

Important! *Subsonic filter is available only for the signal to be input to PHONO jacks of amplifier.*

Troubleshooting

Problem	Possible Cause	Solutions
Amplifier does not play. Power indicator does not light up.	Power cord not plugged in.	Plug Power cord into AC outlet.
No sound from any speakers.	SPEAKERS switch is set to OFF. The SOURCE SELECTOR switch is set incorrectly.	Turn SPEAKERS switch to ON. Select the desired source with the SOURCE SELECTOR switch.
Sound from one speaker only.	Speaker wires not connected properly. BALANCE control may be set to one extreme.	Check speaker wiring. Reconnect if needed. Adjust BALANCE control so both speakers have sound.
Howling during record playing.	Turntable too close to a speaker.	Move speakers away from the turntable.
Recording does not work.	The REC SELECTOR switch has been set incorrectly.	Set the REC SELECTOR switch to the source.

Specifications

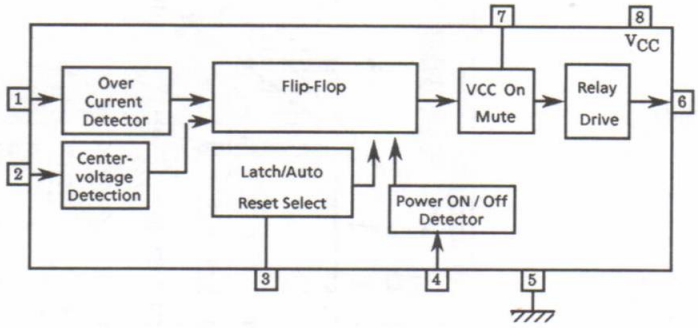
Output Power	
(IEC 268-3/DIN):	140 watts per channel into 4 ohms at 1 kHz with no more than 0.7% total harmonic distortion. 90 watts per channel into 8 ohms at 1 kHz with no more than 0.7% total harmonic distortion.
(JVC Audio Analysis System):	85 watts per channel, min. RMS, both channels driven into 8 ohms from 20 Hz to 20 kHz, with no more than 0.007% total harmonic distortion. 90 watts per channel, min. RMS, both channels driven into 8 ohms at 1 kHz with no more than 0.003% total harmonic distortion.
Total harmonic distortion	
CD/AUX in, SPEAKERS out:	0.003% at 90 watts (at 1 kHz, 8 ohms loaded) 0.007% at 85 watts (from 20 Hz to 20 kHz, 8 ohms loaded)
PHONO in, SPEAKER out:	0.05% at 85 watts (from 20 Hz to 20 kHz, 8 ohms loaded –30 dB volume)
Damping Factor:	150 (at 1 kHz, 8 ohms loaded)
Power bandwidth:	5 Hz to 50 kHz (IHF, both channels driven into 8 ohms, with no more than 0.05% total harmonic distortion)
Signal-to-noise ratio ('66 IHF/DIN)	
PHONO (MM):	85 dB/72 dB
PHONO (MC):	67 dB
TUNER, AUX, TAPE 1, TAPE 2/DAT:	100 dB/74 dB
Input Sensitivity/Impedance (1 kHz)	
PHONO (MM):	2.5 mV/47k ohms
PHONO (MC):	200 µV/100 ohms
TUNER, AUX, TAPE 1, TAPE 2/DAT:	200 mV/47k ohms
Output Level/Impedance	
TAPE 1, TAPE 2/DAT:	200 mV/430 ohms
Tone control range	
BASS:	±8 dB at 100 Hz
TREBLE:	±8 dB at 10 kHz
Subsonic Filter cut off frequency:	18 Hz (–6 dB/oct.)
Frequency Response (8 ohms):	5 Hz to 100 kHz (+0 dB, –3 dB)
PHONO overload capacity (PHONO in, TAPE 2 REC out)	
MM:	100 mV (with no more than 0.02% total harmonic distortion).
MC:	8 mV (with no more than 0.04% total harmonic distortion).
RIAA phono equalization	
MM:	±0.3 dB (20 Hz to 20 kHz)
MC:	±0.5 dB (20 Hz to 20 kHz)
Power requirement/Power consumption	
Continental Europe:	AC 230 volts ∿, 50 Hz/310 watts
United Kingdom:	AC 240 volts ∿, 50 Hz/740 watts
Dimensions (W × H × D):	435 × 173 × 447 mm 17-3/16 × 6-13/16 × 17-5/8 inches
Weight:	13.0 kg 30 lbs

*Measured by JVC Audio Analysis System.

Design and Specifications subject to change without notice.

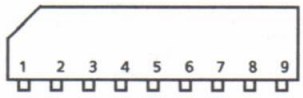
Description of Major ICs

■ UPC1237HA (IC 921) : Protector, Relay Driver

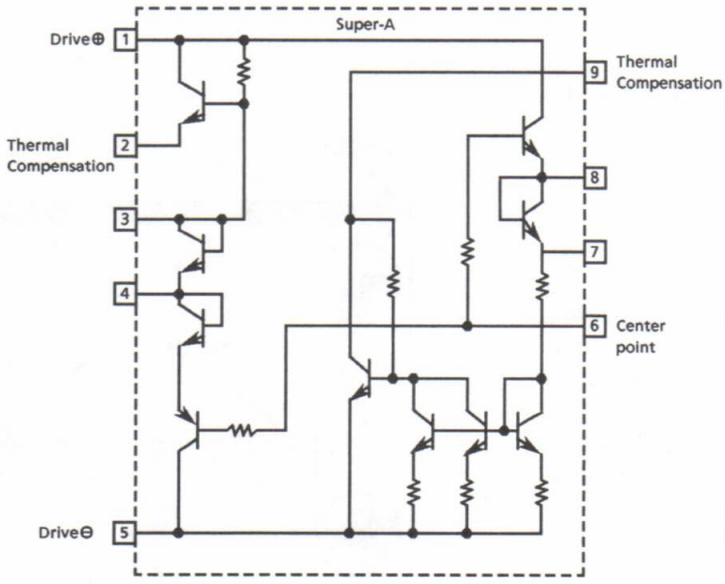


■ VC5022-2(IC501,601) : SUPER A

(1) Terminal Layout



(2) Block Diagram



Disassembly Procedures

1. Removing the Top Cover

1) Remove the 6 screws fastening both sides of the Top Cover, and the 3 screws fastening the rear sides.
2) Remove the Top Cover.

2. Removing the Bottom Cover

1) Remove the 21 screws Ⓘ&Ⓗ(Fig.3).
2) Remove the Bottom Cover.

3. Removing the Front Panel

1) Remove the 3 screws Ⓐ fastening top of the Front Panel(Fig.1), and the 3 screws Ⓙ fastening bottom of the Front Panel(Fig.3).
2) Remove the 8 knob (MAIN VOLUME,SOURCE SELECTOR etc.).
3) Remove the Front Panel.

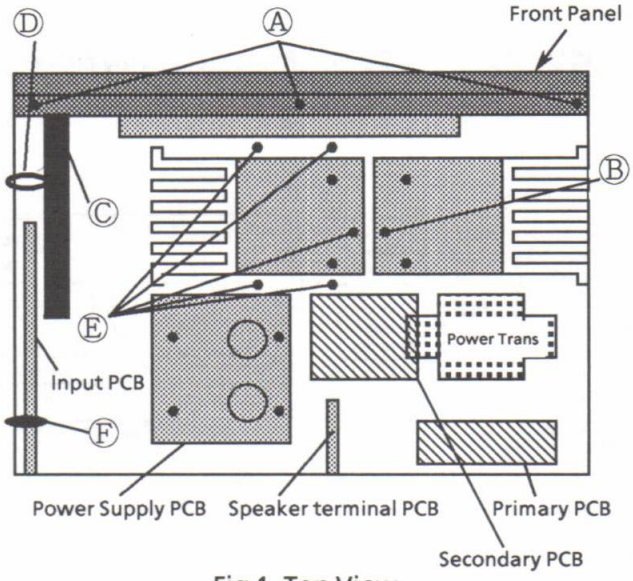


Fig 1. Top View

4. Removing the Left Channel Amplifier PCB.

1) Remove the screw Ⓑ (Fig.1) and remove the 2 screws fastening left side of the Heatsink .
2) Remove the 2 screws Ⓗ on the Bottom Cover(Fig.3).
3) Remove the Left Channel Amplifier PCB with Heatsink.

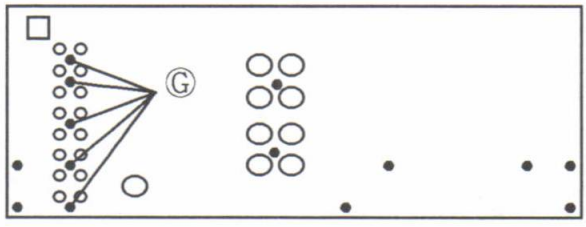


Fig 2. Rear Pannel

5. Removing the Right Channel Amplifier PCB.

1) Remove the 5 screws Ⓔ (Fig.1).
2) Remove the Right Channel Amplifier PCB with Heatsink.

6. Removing the Input PCB

1) Remove the Front Panel.
2) Installs in the Select Switch and remove a plastic rod Ⓒ(Fig.1).
3) Remove the frexible rod from the switch (S291).
4) Remove the 2 flat wires J802,J701 and remove the 3 connectors P211,P110,P212.
5) Cut the Tie Band Ⓓ (Fig.1) .
6) Remove the 5 screws Ⓖ fastening the Rear Panel (Fig.2) .
7) The point of the rod is crushed and remove the plastic rod Ⓕ from the Input PCB (Fig.1) .
8) Remove the Input PCB.

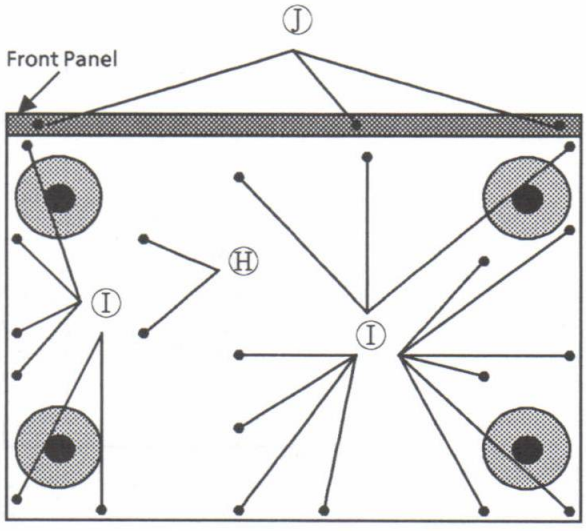
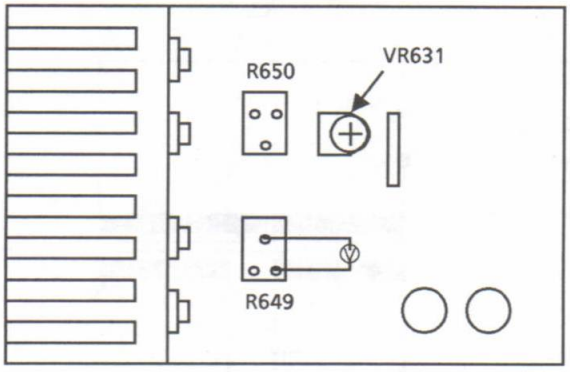
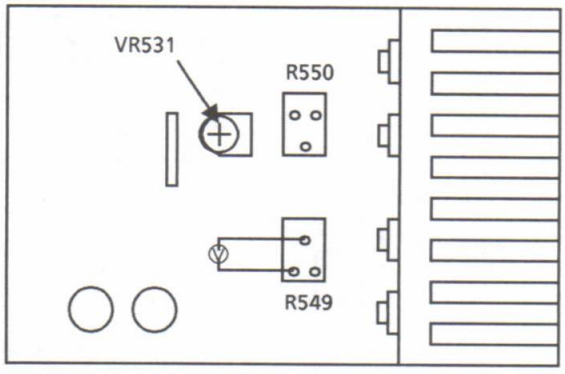


Fig 3. Bottom Cover

Power Amplifier Adjustment Procedures



Right Channel Amplifier PCB

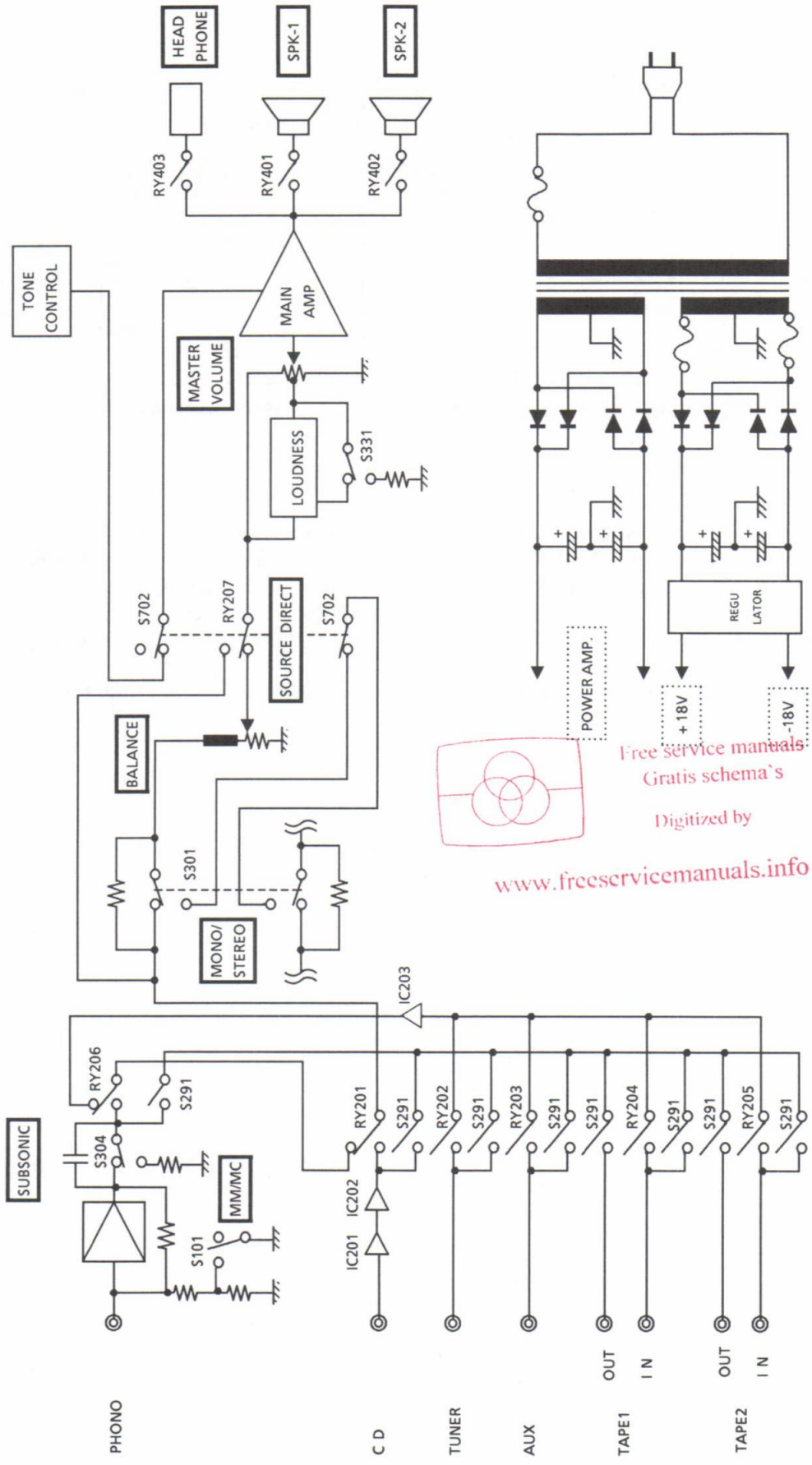


Left Channel Amplifier PCB

■ Idling Current

(1) Set the volume control to minimum during this adjustment.
(2) Turn VR531 and VR631 fully counterclockwise before the power switch on.
(3) Always start from cold,and allow 5 minutes to warm up before adjustment.If the heatsink is already warm from previous use the correct adjustment can not be made.
(4) Connect a DC voltmeter to R549 and R550 resistor's leads for left channel, or to R649 and R650 for right channel.
(5) Adjust VR531 for left channel, or VR631 for right channel, so that the DC voltmeter becomes 7mV ~ 15mV.

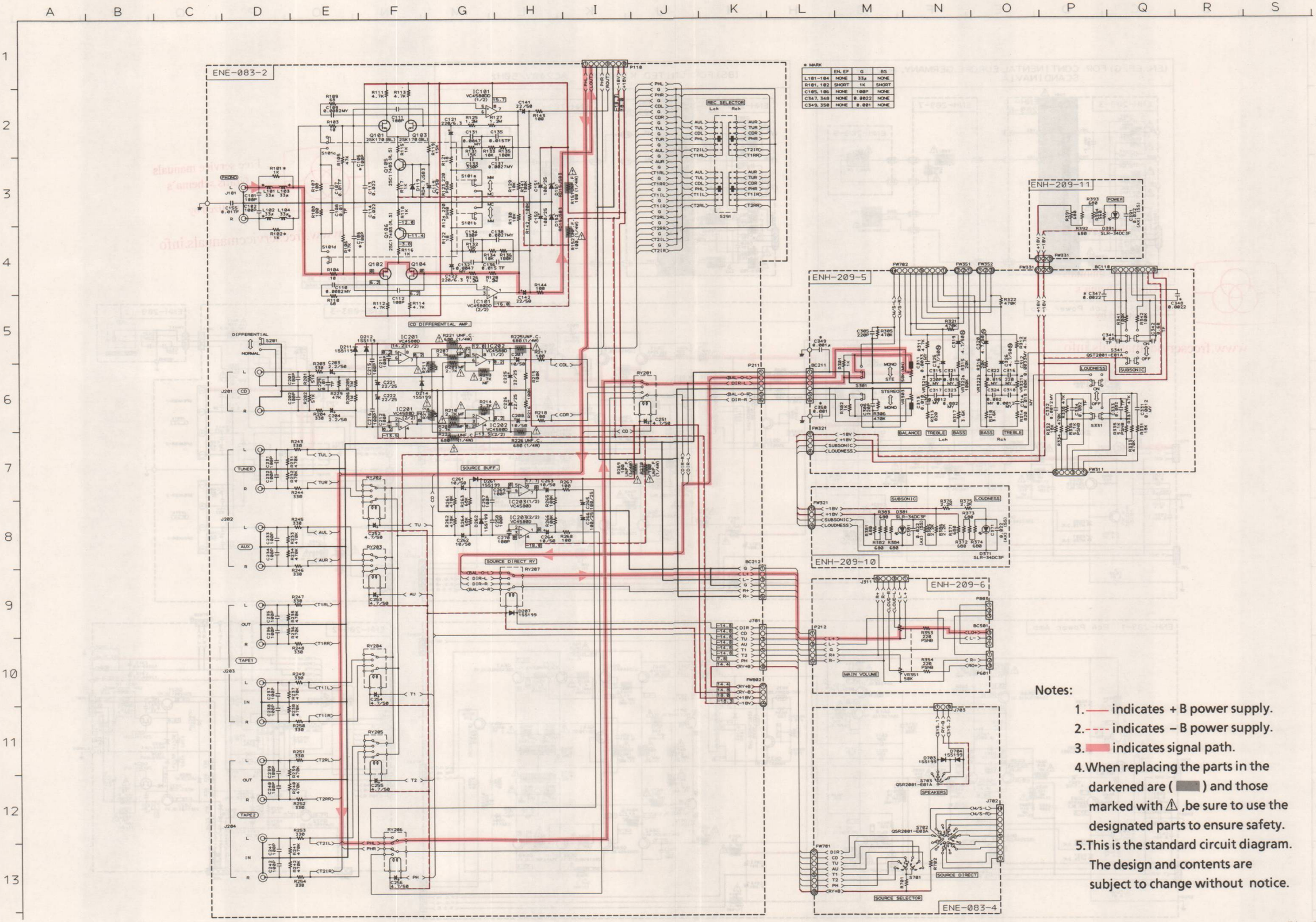
Block Diagram



— MEMO —

— MEMO —

Schematic Diagrams



Notes:

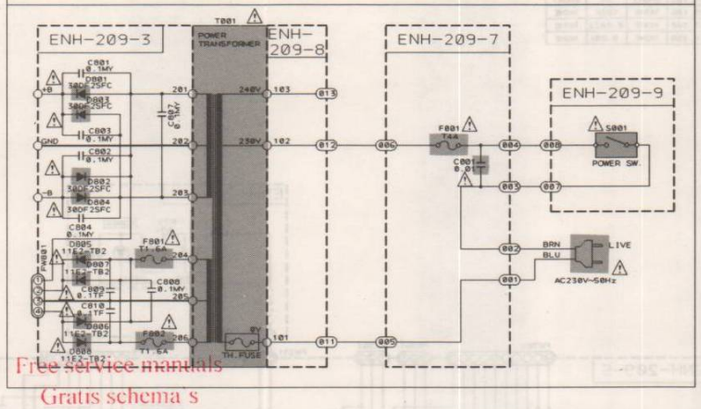
1. —— indicates + B power supply.
2. ---- indicates – B power supply.
3. ▬ indicates signal path.
4. When replacing the parts in the darkened are (▬) and those marked with ⚠ ,be sure to use the designated parts to ensure safety.
5. This is the standard circuit diagram. The design and contents are subject to change without notice.

(No. 20365)

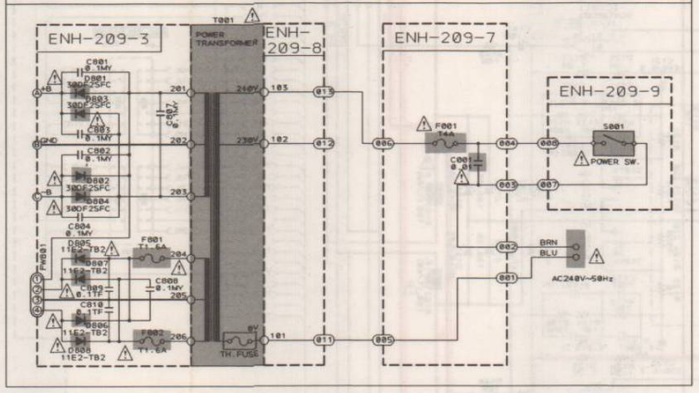
AX-A661TN AX-A662BK

08/30/2006 AX-A661TN AX-A662BK

(EN, EF, G) FOR CONTINENTAL EUROPE, GERMANY, SCANDINAVIA AC230V/50Hz



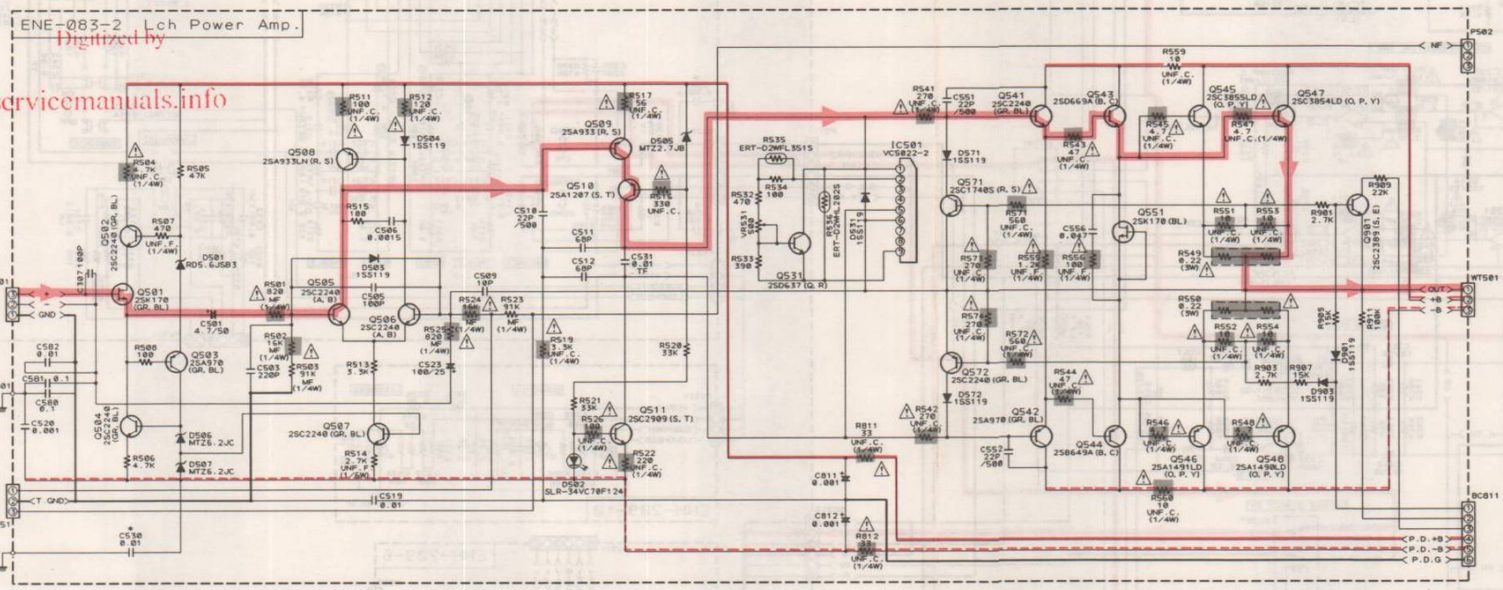
(BS) FOR UNITED KINGDOM AC240V/50Hz



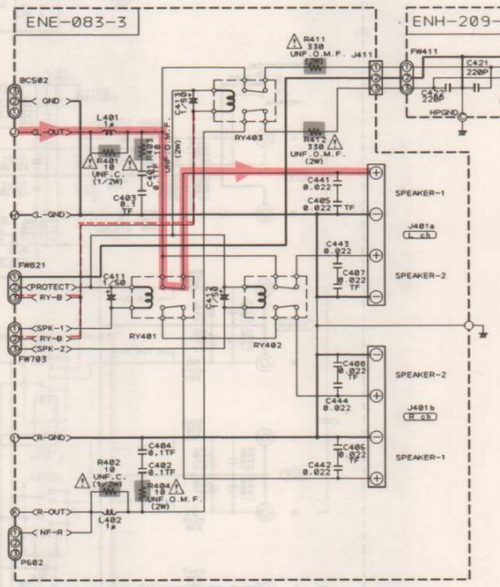
* MARK

	EN, EF	G	BS
C530, 630	NONE	0.01	NONE

ENE-083-2 Lch Power Amp.

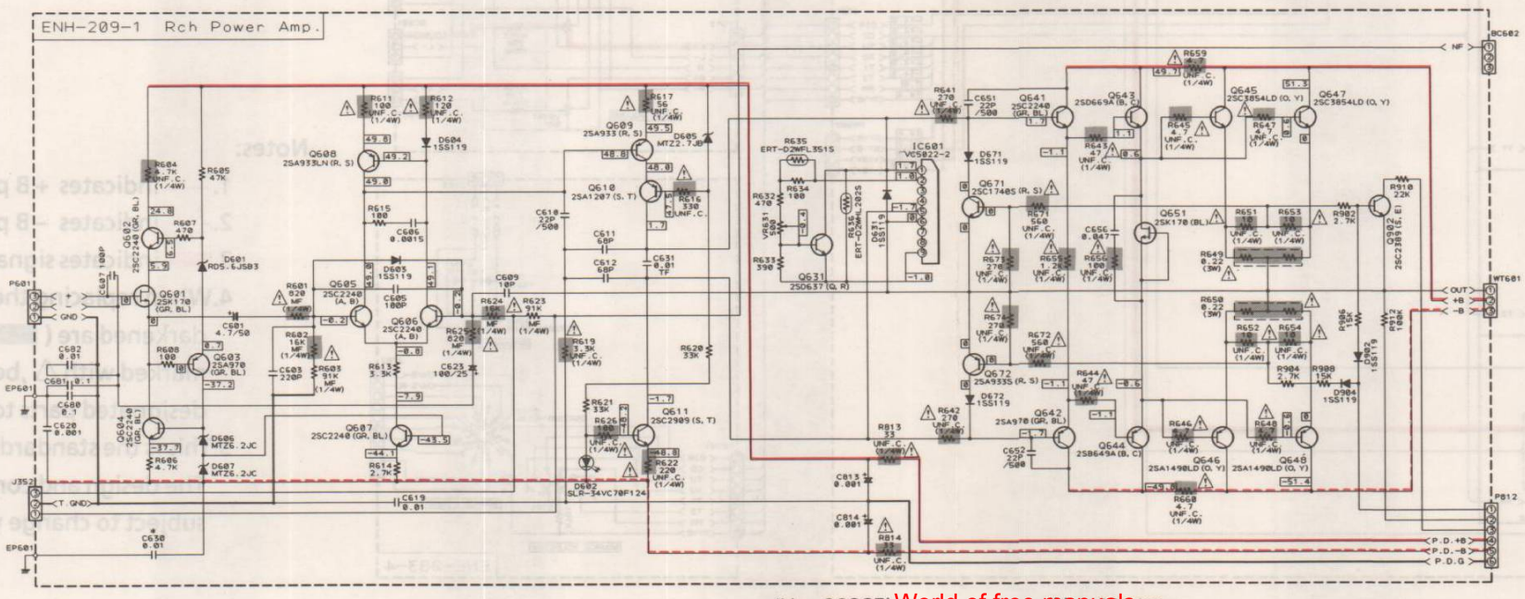


ENE-083-3

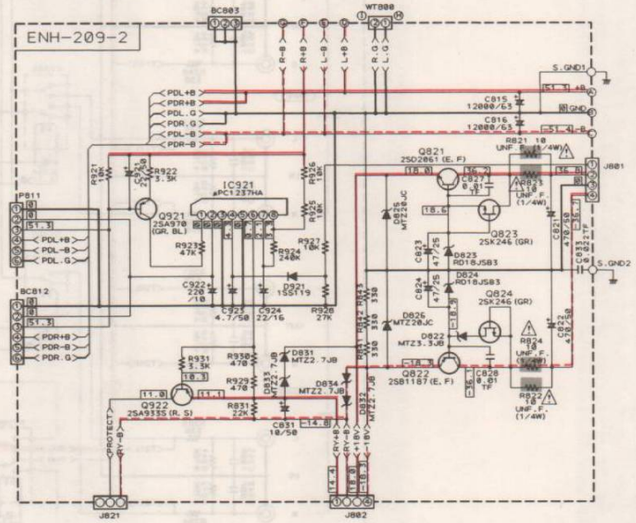


ENH-209-12

ENH-209-1 Rch Power Amp.

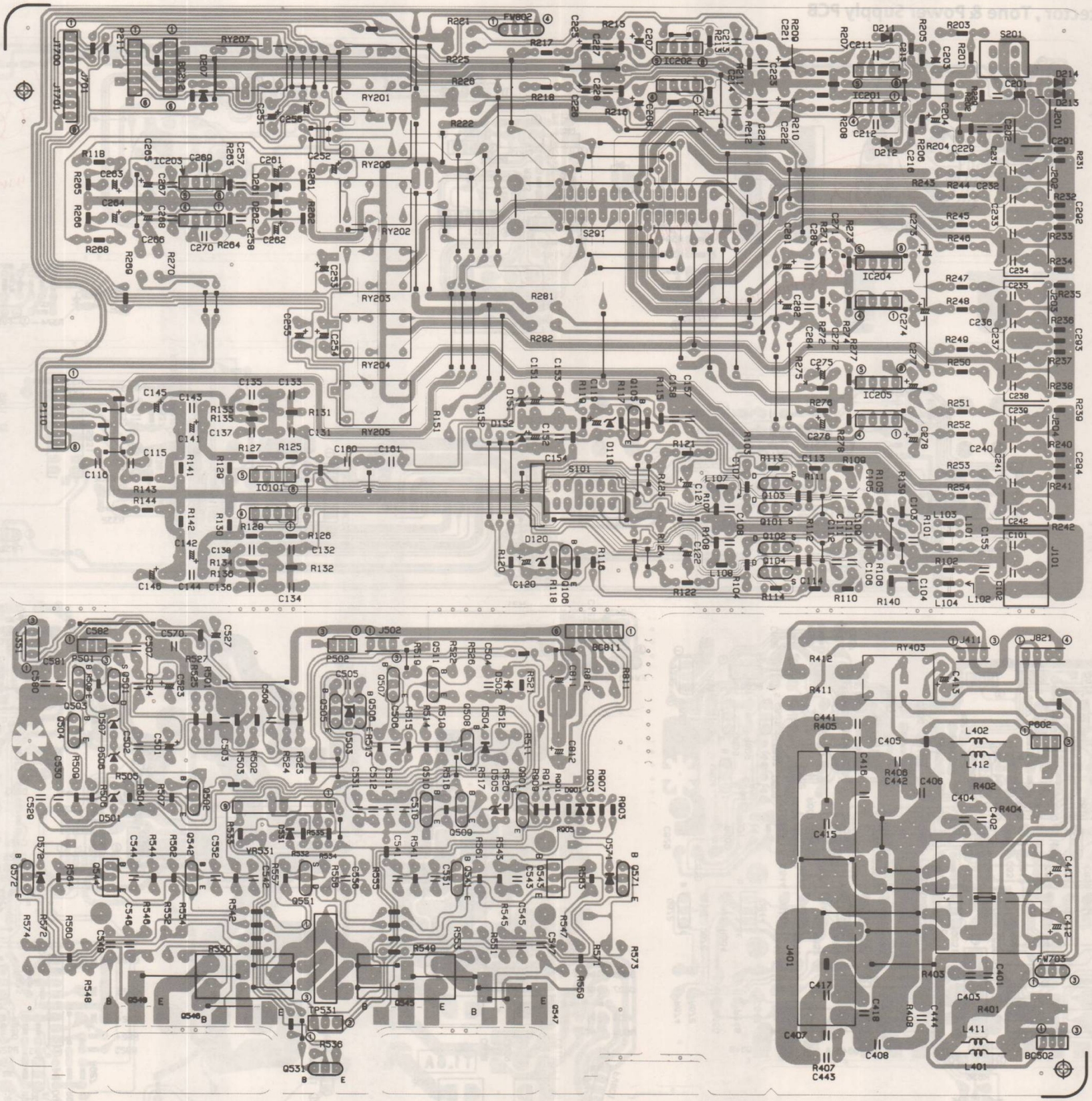


ENH-209-2

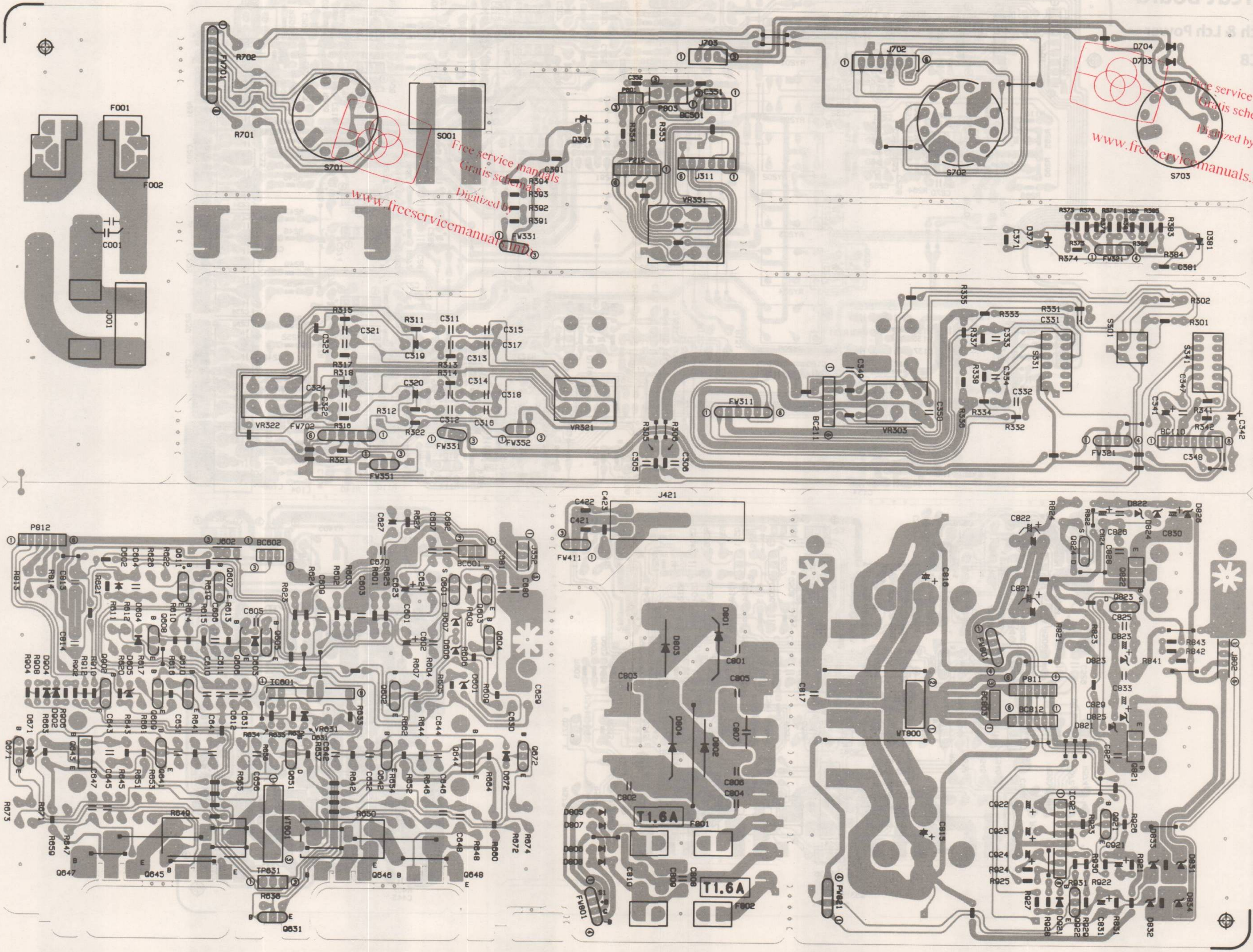


Printed Circut Board

■Input , Switch & Lch Power Amplifier PCB



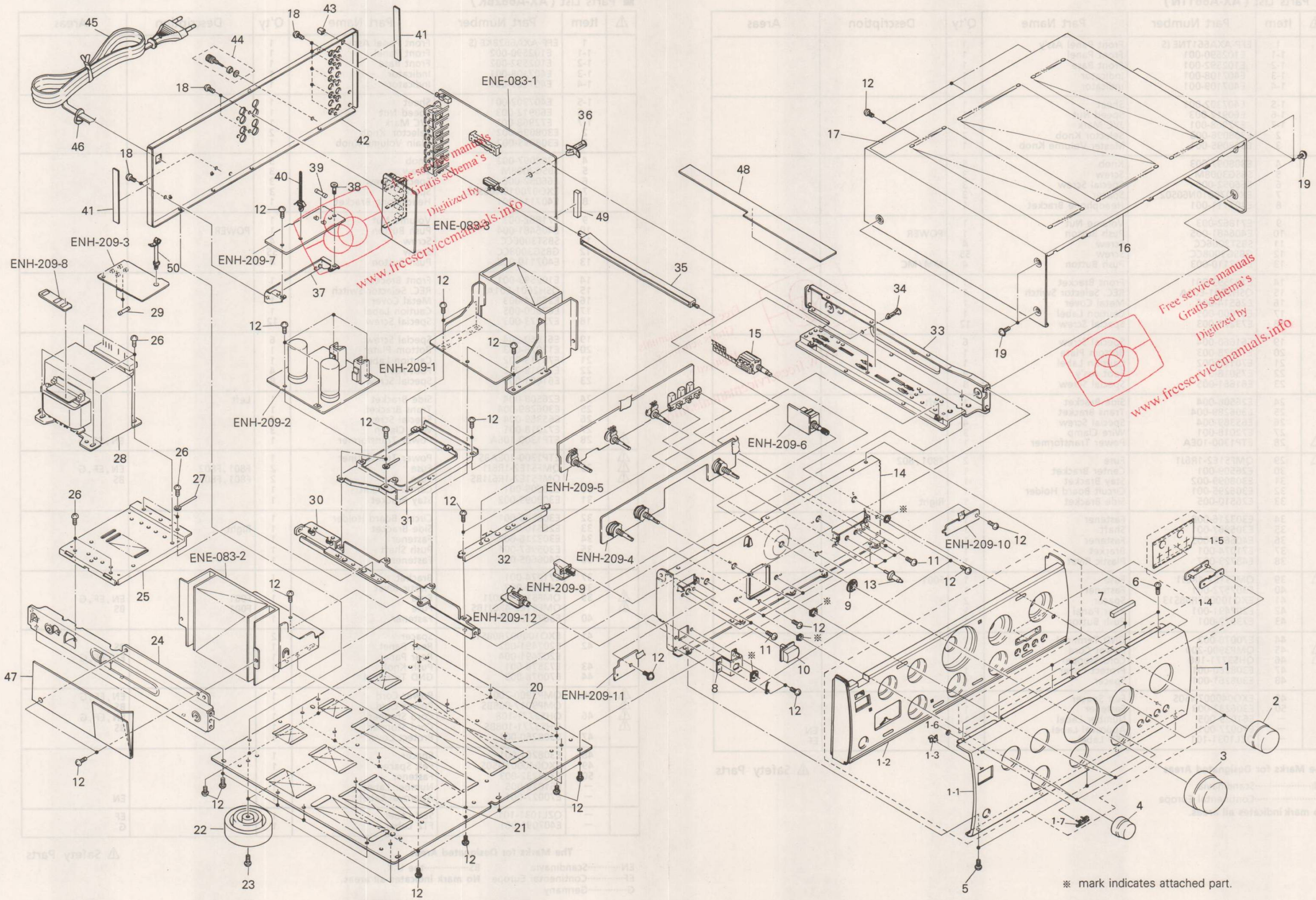
■ Rch Power Amplifier , Protector , Tone & Power Supply PCB



PARTS LIST

Contents

General Exploded View and Parts List



※ mark indicates attached part.

■ Parts List (AX-A661TN)

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	EFP-AXA661TNE (S	Front Panel Ass'y	1		
	1-1	E102590-001	Front Panel	1		
	1-2	E102592-001	Front Base	1		
	1-3	E407108-001	Indicator	1		
	1-4	E407109-001	Indicator	1		
	1-5	E407302-001	Sheet	1		
	1-6	E60912-003	Speed Nut	1		
	1-7	E72968-001	JVC Mark	1		
	2	E308096-003	Selector Knob	2		
	3	E308095-001	Master Volume Knob	1		
	4	E308097-003	Knob	5		
	5	SBSG3008M	Screw	3		
	6	E66052-006	Special Screw	3		
	7	EXO070010N60S02	Spacer	3		
	8	E407111-001	Headphone Bracket	1		
	9	E71862-003	Volume Nut	1		
	10	E406481-005	Push Button	1	POWER	
	11	SBST3006CC	Screw	4		
	12	GBSG3008CC	Screw	55		
	13	E407110-003	Push Button	4	MM / MC	
	14	E102593-001	Front Bracket	1		
	15	QSH2001-E01A	REC. Selector Switch	1		
	16	E26514-004	Metal Cover	1		
	17	E67000-005	Caution Label	1		
	18	E73273-003	Special Screw	12		
	19	E61660-004	Special Screw	6		
	20	E12078-003	Bottom Plate	1		
	21	E70115-002	Caution Label	1		
	22	E75018-011	Foot Ass'y	4		
	23	E61661-005	Special Screw	8		
	24	E26508-004	Side Bracket	1	Left	
	25	E306289-004	Trans Bracket	1		
	26	E65389-004	Special Screw	4		
	27	E72018-001	Wire Clamp	3		
⚠	28	ETP1300-10EA	Power Transformer	1		
⚠	29	QMF51E2-1R6J1	Fuse	2	F801 , 802	
	30	E26509-001	Center Bracket	1		
	31	E308099-002	Stay Bracket	1		
	32	E306295-001	Circuit Board Holder	1		
	33	E26510-005	Side Bracket	1	Right	
	34	E303216-008	Fastener	1		
	35	E305967-001	Shaft	1		
	36	E406605-003	Fastener	1		
	37	E71074-001	Bracket	1		
	38	E48729-007	Plastic Rivet	1		
⚠	39	QMF51E2-4R0J1	Fuse	1	F001	
	40	E307572-001	Fastener	1		
	41	EXO100007R08S13	Spacer	2		
	42	E207491-001	Rear Panel	1		
	43	E73578-001	Push Button	1		
⚠	44	E70078-003	GND Terminal	1		
⚠	45	QMP3900-200	Power Cord	1		
⚠	46	QHS3771-108	Cord Stopper	1		
	47	E308260-001	Protect Cover	1		
	48	E308261-001	Spacer	1		
	49	EXO040007N50S	Felt Spacer	1		
	50	E306232-003	Fastener	1		
	—	E61029-005	Number Label	1		
	—	E70027-001	Approval Label	1		EN
	—	QZL1031-101	SEV Label	1		EF

The Marks for Designated Areas

EN·····Scandinavia
EF·····Continental Europe
No mark indicates all areas.

⚠ Safety Parts

■ Parts List (AX-A662BK)

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	EFP-AXA662BKE (S	Front Panel Ass'y	1		
	1-1	E102590-002	Front Panel	1		
	1-2	E102592-002	Front Base	1		
	1-3	E407108-001	Indicator	1		
	1-4	E407109-001	Indicator	1		
	1-5	E407302-001	Sheet	1		
	1-6	E60912-003	Speed Nut	1		
	1-7	E72968-001	JVC Mark	1		
	2	E308096-002	Selector Knob	2		
	3	E308095-002	Main Volume Knob	1		
	4	E308097-002	Knob	5		
	5	SBSG3008M	Screw	3		
	6	E66052-006	Special Screw	3		
	7	EXO070010N60S02	Spacer	3		
	8	E407111-001	Headphone Bracket	1		
	9	E71862-003	Volume Nut	1		
	10	E406481-004	Push Button	1	POWER	
	11	SBST3006CC	Screw	4		
	12	GBSG3008CC	Screw	55		
	13	E407110-002	Push Button	4		
	14	E102593-001	Front Bracket	1		
	15	QSH2001-E01A	REC. Selector Switch	1		
	16	E26514-003	Metal Cover	1		
	17	E67000-005	Caution Label	1		
	18	E73273-003	Special Screw	12		
	19	E61660-004	Special Screw	6		
	20	E12078-003	Bottom Plate	1		
	21	E70115-002	Caution Label	1		
	22	E75018-012	Foot Ass'y	4		
	23	E61661-005	Special Screw	8		
	24	E26508-004	Side Bracket	1	Left	
	25	E306289-004	Trans Bracket	1		
	26	E65389-004	Special Screw	4		
	27	E72018-001	Wire Clamp	3		
⚠	28	ETP1300-10EA	Power Transformer	1		EN , EF , G
⚠		ETP1300-10EABS	Power Transformer	1		BS
⚠	29	QMF51E2-1R6J1	Fuse	2	F801 , F802	EN , EF , G
⚠		QMF51E2-1R6J1BS	Fuse	2	F801 , F802	BS
	30	E26509-001	Center Bracket	1		
	31	E308099-002	Stay Bracket	1		
	32	E306295-001	Circuit Board Holder	1		
	33	E26510-005	Side Bracket	1	Right	
	34	E303216-008	Fastener	1		
	35	E305967-001	Push Shaft	1		
	36	E406605-003	Fastener	1		
	37	E71074-001	Bracket	1		
	38	E48729-007	Plastic Rivet	1		
⚠	39	QMF51E2-4R0J1	Fuse	1	F001	EN , EF , G
⚠		QMF51E2-4R0J1BS	Fuse	1	F001	BS
	40	E307572-001	Fastener	1		
	41	EXO100007R08S13	Spacer	2		
	42	E207491-002	Rear Panel	1		BS
		E207491-004	Rear Panel	1		EN , EF , G
	43	E73578-001	Push Knob	1		
	44	E70078-003	GND Terminal	1		
⚠	45	QMP3900-200	Power Cord	1		EN , EF , G
⚠		QMP9017-008BS	Power Cord	1		BS
⚠	46	QHS3771-108	Cord Stopper	1		EN , EF , G
⚠		QHS3771-108BS	Cord Stopper	1		BS
	47	E308260-001	Protect Cover	1		
	48	E308261-001	Spacer	1		
	49	EXO040007N50S	Felt Spacer	1		
	50	E306232-003	Fastener	1		
	—	E61029-005	Number Label	1		
	—	E70027-001	Approval Label	1		EN
	—	QZL1031-101	SEV Label	1		EF
	—	E407091-061	FTZ Label	1		G

The Marks for Designated Areas

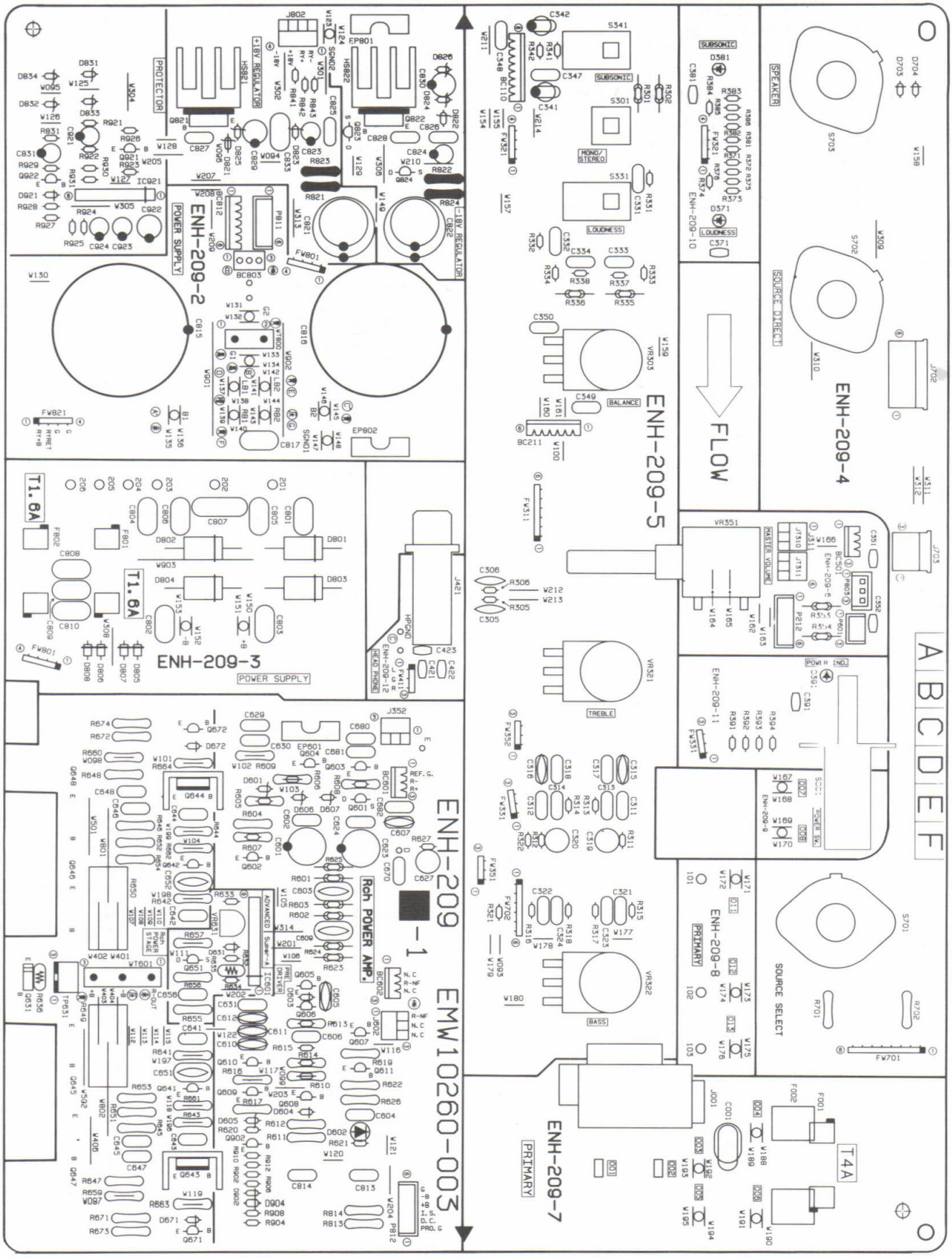
EN·····Scandinavia
EF·····Continental Europe
G·····Germany
BS·····the U.K.
No mark indicates all areas.

⚠ Safety Parts

Printed Circuit Board Ass'y and Parts List

■ENH-209☐ Rch Power Amplifier, Protector, Tone & Power Supply PC Board Ass'y

Note : ENH-209☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

■ ***AX-A661TN***

PC Board Ass'y	Designated Areas
ENH-209 [A]	Scandivania Continental Europe

■ ***AX-A662BK***

PC Board Ass'y	Designated Areas
ENH-209 [A]	Scandinavia Continental Europe
ENH-209 [B] BS	the U.K.
ENH-209 [D]	Germany

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q601	2SK170(GR,BL)	F.E.T TOSHIBA	
	Q602	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q603	2SA970(GR,BL)	SILICON TOSHIBA	
	Q604	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q605	2SC2240(A,B)	SILICON TOSHIBA	
	Q606	2SC2240(A,B)	SILICON TOSHIBA	
	Q607	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q608	2SA933LN(R,S)	SILICON ROHM	
	Q609	2SA933LN(R,S)	SILICON ROHM	
	Q610	2SA1207(S,T)	SILICON SANYO	
	Q611	2SC2909(S,T)	SILICON SANYO	
	Q631	2SD637(Q,R)	SILICON MATSUSHITA	
	Q641	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q642	2SA970(GR,BL)	SILICON TOSHIBA	
	Q643	2SD669A(B,C)	SILICON HITACHI	
	Q644	2SB649A(B,C)	SILICON HITACHI	
	Q645	2SC3854LD(O,Y)	SILICON SANKEN	
	Q646	2SA1490LD(O,Y)	SILICON SANKEN	
	Q647	2SC3854LD(O,Y)	SILICON SANKEN	
	Q648	2SA1490LD(O,Y)	SILICON SANKEN	
	Q651	2SK170(BL)	F.E.T TOSHIBA	
	Q671	2SC1740S(R,S)	SILICON ROHM	
	Q672	2SA933S(R,S)	SILICON ROHM	
	Q821	2SD2061(E,F)	SILICON ROHM	
	Q822	2SB1187(E,F)	SILICON ROHM	
	Q823	2SK246(GR)	F.E.T TOSHIBA	
	Q824	2SK246(GR)	F.E.T TOSHIBA	
	Q902	2SC2389(S,E)	SILICON ROHM	
	Q921	2SA970(GR,BL)	SILICON TOSHIBA	
	Q922	2SA933S(R,S)	SILICON ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC601	VC5022-2	I.C. SANYO	
	IC921	UPC1237HA	I.C. NEC	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D371	SLR-34DC3F	L.E.D. ROHM	
	D381	SLR-34DC3F	L.E.D. ROHM	
	D391	SLR-34DC3F	L.E.D. ROHM	
	D601	RD5.6JSB3	ZENER NEC	
	D602	SLR-34VC5OF124	L.E.D. ROHM	
	D603	1SS119	SILICON HITACHI	
	D604	1SS119	SILICON HITACHI	
	D605	MTZ2.7JB	ZENER ROHM	
	D606	MTZ6.2JC	ZENER ROHM	
	D607	MTZ6.2JC	ZENER ROHM	
	D631	1SS119	SILICON HITACHI	
	D671	1SS119	SILICON HITACHI	
	D672	1SS119	SILICON HITACHI	
	D703	1SS119	SILICON HITACHI	
	D704	1SS119	SILICON HITACHI	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D801	30DF2SFC	SILICON NIHONINTER	
	D802	30DF2SFC	SILICON NIHONINTER	
	D803	30DF2SFC	SILICON NIHONINTER	
	D804	30DF2SFC	SILICON NIHONINTER	
	D805	11E2	SILICON NIHONINTER	
	D806	11E2	SILICON NIHONINTER	
	D807	11E2	SILICON NIHONINTER	
	D808	11E2	SILICON NIHONINTER	
	D822	MTZ3.3JB	ZENER ROHM	
	D823	RD18JSB3	ZENER NEC	
	D824	RD18JSB3	ZENER NEC	
	D825	MTZ20JC	ZENER ROHM	
	D826	MTZ20JC	ZENER ROHM	
	D831	MTZ2.7JB	ZENER ROHM	
	D832	MTZ2.7JB	ZENER ROHM	
	D833	MTZ2.7JB	ZENER ROHM	
	D834	MTZ2.7JB	ZENER ROHM	
	D902	1SS119	SILICON HITACHI	
	D904	1SS119	SILICON HITACHI	
	D921	1SS119	SILICON HITACHI	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
⚠	C001	QCZ9050-103A	0.01MF CERAMIC	A
⚠	C001	QCZ9050-103ABS	0.01MF CERAMIC	BBS
⚠	C001	QCZ9050-103A	0.01MF CERAMIC	D
	C305	QCS21HJ-221	220PF 50V CERAMIC	
	C306	QCS21HJ-221	220PF 50V CERAMIC	
	C311	QFN81HJ-332	3300PF 50V MYLAR	
	C312	QFN81HJ-332	3300PF 50V MYLAR	
	C313	QFVB1HJ-183N	0.018MF 50V T.FILM	
	C314	QFVB1HJ-183N	0.018MF 50V T.FILM	
	C315	QCS21HJ-221	220PF 50V CERAMIC	
	C316	QCS21HJ-221	220PF 50V CERAMIC	
	C317	QFN81HJ-122	1200PF 50V MYLAR	
	C318	QFN81HJ-122	1200PF 50V MYLAR	
	C319	QEN51HM-475	4.7MF 50V NON POLE	
	C320	QEN51HM-475	4.7MF 50V NON POLE	
	C321	QFVB1HJ-153N	0.015MF 50V T.FILM	
	C322	QFVB1HJ-153N	0.015MF 50V T.FILM	
	C323	QFVB1HJ-823N	0.082MF 50V T.FILM	
	C324	QFVB1HJ-823N	0.082MF 50V T.FILM	
	C331	QFN81HJ-122	1200PF 50V MYLAR	
	C332	QFN81HJ-122	1200PF 50V MYLAR	
	C333	QFVB1HJ-823N	0.082MF 50V T.FILM	
	C334	QFVB1HJ-823N	0.082MF 50V T.FILM	
	C341	QEK51HM-105GE	1MF 50V ELECTRO	
	C342	QEK51HM-105GE	1MF 50V ELECTRO	
	C347	QFN81HJ-222	2200PF 50V MYLAR	D
	C348	QFN81HJ-222	2200PF 50V MYLAR	D
	C349	QFN81HJ-102	1000PF 50V MYLAR	D
	C350	QFN81HJ-102	1000PF 50V MYLAR	D
	C371	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C381	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C391	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C421	QCBB1HK-221	220PF 50V CERAMIC	
	C422	QCBB1HK-221	220PF 50V CERAMIC	
	C423	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C601	EETB1HM-475E	4.7MF 50V ELECTRO	
	C603	QCS21HJ-221	220PF 50V CERAMIC	
	C605	QCS21HJ-101	100PF 50V CERAMIC	
	C606	QFN81HJ-152	1500PF 50V MYLAR	
	C607	QCS21HJ-101	100PF 50V CERAMIC	
	C609	QCS21HJ-100	10PF 50V CERAMIC	
	C610	QCS22HJ-220	22PF 500V CERAMIC	
	C611	QCS21HJ-680	68PF 50V CERAMIC	
	C612	QCS21HJ-680	68PF 50V CERAMIC	
	C623	EETB1CM-107E	100MF 16V ELECTRO	
	C627	QEN51HM-475	4.7MF 50V NON POLE	
	C630	QFN82AJ-103	0.01MF 100V MYLAR	D
	C631	QFVB1HJ-103N	0.01MF 50V T.FILM	
	C651	QCS22HJ-220	22PF 500V CERAMIC	
	C652	QCS22HJ-220	22PF 500V CERAMIC	
	C656	QFVB1HJ-473N	0.047MF 50V T.FILM	
	C670	QFVB1HJ-103N	0.01MF 50V T.FILM	
	C680	QFVB1HJ-104N	0.1MF 50V T.FILM	
	C681	QFVB1HJ-104N	0.1MF 50V T.FILM	
	C682	QFVB1HJ-103N	0.01MF 50V T.FILM	
	C801	QFN82AJ-104	0.1MF 100V MYLAR	
	C802	QFN82AJ-104	0.1MF 100V MYLAR	
	C803	QFN82AJ-104	0.1MF 100V MYLAR	
	C804	QFN82AJ-104	0.1MF 100V MYLAR	
	C807	QFH42EK-104	0.1MF 250V M.MYLAR	
	C808	QFN82AJ-104	0.1MF 100V MYLAR	
	C809	QFVB1HJ-104N	0.1MF 50V T.FILM	
	C810	QFVB1HJ-104N	0.1MF 50V T.FILM	
	C813	QFN82AJ-103	0.01MF 100V MYLAR	
	C814	QFN82AJ-103	0.01MF 100V MYLAR	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C815	EEW6309-129T	12000MF		ELECTRO	
	C816	EEW6309-129T	12000MF		ELECTRO	
	C821	EETB1HM-477E	470MF	50V	ELECTRO	
	C822	EETB1HM-477E	470MF	50V	ELECTRO	
	C823	QETB1EM-476	47MF	25V	ELECTRO	
	C824	QETB1EM-476	47MF	25V	ELECTRO	
	C827	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C828	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C831	QETB1HM-106	10MF	50V	ELECTRO	
	C833	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C921	QETB1HM-226	22MF	50V	ELECTRO	
	C922	QETB1AM-227	220MF	10V	ELECTRO	
	C923	QETB1HM-475	4.7MF	50V	ELECTRO	
	C924	QETB1CM-226	22MF	16V	ELECTRO	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R301	QRD167J-102	1K	1/6W	CARBON	
	R302	QRD167J-102	1K	1/6W	CARBON	
	R305	QRD167J-474	470K	1/6W	CARBON	
	R306	QRD167J-474	470K	1/6W	CARBON	
	R311	QRD167J-472	4.7K	1/6W	CARBON	
	R312	QRD167J-472	4.7K	1/6W	CARBON	
	R313	QRD167J-821	820	1/6W	CARBON	
	R314	QRD167J-821	820	1/6W	CARBON	
	R315	QRD167J-203	20K	1/6W	CARBON	
	R316	QRD167J-203	20K	1/6W	CARBON	
	R317	QRD167J-362	3.6K	1/6W	CARBON	
	R318	QRD167J-362	3.6K	1/6W	CARBON	
	R331	QRD167J-183	18K	1/6W	CARBON	
	R332	QRD167J-183	18K	1/6W	CARBON	
	R333	QRD167J-474	470K	1/6W	CARBON	
	R334	QRD167J-474	470K	1/6W	CARBON	
	R335	ERD003J-512	5.1K		R.NETWORK	
	R336	ERD003J-512	5.1K		R.NETWORK	
	R337	QRD167J-203	20K	1/6W	CARBON	
	R338	QRD167J-203	20K	1/6W	CARBON	
	R341	QRD167J-183	18K	1/6W	CARBON	
	R342	QRD167J-183	18K	1/6W	CARBON	
	R353	ERD003J-221	220		R.NETWORK	
	R354	ERD003J-221	220		R.NETWORK	
	R371	QRD167J-681	680	1/6W	CARBON	
	R372	QRD167J-681	680	1/6W	CARBON	
	R373	QRD167J-681	680	1/6W	CARBON	
	R374	QRD167J-681	680	1/6W	CARBON	
	R375	QRD167J-222	2.2K	1/6W	CARBON	
	R376	QRD167J-222	2.2K	1/6W	CARBON	
	R381	QRD167J-681	680	1/6W	CARBON	
	R382	QRD167J-681	680	1/6W	CARBON	
	R383	QRD167J-681	680	1/6W	CARBON	
	R384	QRD167J-681	680	1/6W	CARBON	
	R385	QRD167J-222	2.2K	1/6W	CARBON	
	R386	QRD167J-222	2.2K	1/6W	CARBON	
	R391	QRD167J-681	680	1/6W	CARBON	
	R392	QRD167J-681	680	1/6W	CARBON	
	R393	QRD167J-681	680	1/6W	CARBON	
	R394	QRD167J-681	680	1/6W	CARBON	
⚠	R601	QRV144F-8200		1/4W	M.FILM	
⚠	R602	QRV144F-1602	16K	1/4W	M.FILM	
⚠	R603	QRV144F-9102A	91K	1/4W	M.FILM	
⚠	R604	QRD14CJ-103S	10K	1/4W	UNF.CARBON	
	R605	QRD167J-473	47K	1/6W	CARBON	
	R606	QRD167J-472	4.7K	1/6W	CARBON	
	R607	QRD167J-471	470	1/6W	CARBON	
	R608	QRD167J-101	100	1/6W	CARBON	
⚠	R611	QRD14CJ-101S	100	1/4W	UNF.CARBON	
⚠	R612	QRD14CJ-121S	120	1/4W	UNF.CARBON	
	R613	QRD167J-332	3.3K	1/6W	CARBON	
	R614	QRD167J-272	2.7K	1/6W	CARBON	
	R615	QRD167J-101	100	1/6W	CARBON	
⚠	R616	QRD14CJ-331S	330	1/4W	UNF.CARBON	
⚠	R617	QRD14CJ-560S	56	1/4W	UNF.CARBON	
⚠	R619	QRD14CJ-332S	3.3K	1/4W	UNF.CARBON	
	R620	QRD167J-333	33K	1/6W	CARBON	
	R621	QRD167J-333	33K	1/6W	CARBON	
⚠	R622	QRD14CJ-221S	220	1/4W	UNF.CARBON	
⚠	R623	QRV144F-9102A	91K	1/4W	M.FILM	
⚠	R624	QRV144F-1602	16K	1/4W	M.FILM	
⚠	R625	QRV144F-8200		1/4W	M.FILM	
⚠	R626	QRD14CJ-101S	100	1/4W	UNF.CARBON	
	R627	QRD167J-224	220K	1/6W	CARBON	
	R632	QRD167J-471	470	1/6W	CARBON	
	R633	QRD167J-391	390	1/6W	CARBON	
	R634	QRD167J-101	100	1/6W	CARBON	
	R635	ERT-D2WFL351S	350	1/4W	THERMISTOR	
	R636	ERT-D2WHL202S	2K	1/4W	THERMISTOR	
⚠	R641	QRD14CJ-271S	270	1/4W	UNF.CARBON	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R642	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R643	QRD14CJ-470S	47	1/4W	UNF.CARBON	
⚠	R644	QRD14CJ-470S	47	1/4W	UNF.CARBON	
⚠	R645	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R646	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R647	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R648	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R649	ERF032K-R22	0.22	3W	CEMENT	
⚠	R650	ERF032K-R22	0.22	3W	CEMENT	
⚠	R651	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R652	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R653	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R654	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R655	QRD14CJ-122S	1.2K	1/4W	UNF.CARBON	
⚠	R656	QRD14CJ-101S	100	1/4W	UNF.CARBON	
⚠	R659	QRZ0077-4R7	4.7	1/4W	FUSIBLE	
⚠	R660	QRZ0077-4R7	4.7	1/4W	FUSIBLE	
⚠	R671	QRD14CJ-561S	560	1/4W	UNF.CARBON	
⚠	R672	QRD14CJ-561S	560	1/4W	UNF.CARBON	
⚠	R673	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R674	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R701	QRD14CJ-102S	1K	1/4W	UNF.CARBON	
⚠	R702	QRD14CJ-102S	1K	1/4W	UNF.CARBON	
⚠	R813	QRD14CJ-330S	33	1/4W	UNF.CARBON	
⚠	R814	QRD14CJ-330S	33	1/4W	UNF.CARBON	
⚠	R821	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R822	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R823	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R824	QRZ0077-100	10	1/4W	FUSIBLE	
	R831	QRD167J-223	22K	1/6W	CARBON	
	R841	QRD167J-331	330	1/6W	CARBON	
	R842	QRD167J-331	330	1/6W	CARBON	
	R843	QRD167J-331	330	1/6W	CARBON	
	R902	QRD167J-272	2.7K	1/6W	CARBON	
	R904	QRD167J-272	2.7K	1/6W	CARBON	
	R906	QRD167J-153	15K	1/6W	CARBON	
	R908	QRD167J-153	15K	1/6W	CARBON	
	R910	QRD167J-223	22K	1/6W	CARBON	
	R912	QRD167J-104	100K	1/6W	CARBON	
	R921	QRD167J-103	10K	1/6W	CARBON	
	R922	QRD167J-332	3.3K	1/6W	CARBON	
	R923	QRD167J-473	47K	1/6W	CARBON	
	R924	QRD167J-244	240K	1/6W	CARBON	
	R925	QRD167J-103	10K	1/6W	CARBON	
	R926	QRD167J-103	10K	1/6W	CARBON	
	R927	QRD167J-103	10K	1/6W	CARBON	
	R928	QRD167J-273	27K	1/6W	CARBON	
	R929	QRD167J-471	470	1/6W	CARBON	
	R930	QRD167J-471	470	1/6W	CARBON	
	R931	QRD167J-332	3.3K	1/6W	CARBON	
	VR303	QVDB87M-E54B	50K		VARIABLE	
	VR321	QVDB87C-E15E	100K		VARIABLE	
	VR322	QVDB87C-E15E	100K		VARIABLE	
	VR351	QVKB75B-E54B	50K		VARIABLE	
	VR631	QVPE601-501	500	0.15W	VARIABLE	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		EWH69J-324R8J	CONNECT TERMINAL	
		EWH69K-324R8J	WIRE ASSY	
		EWT011-157	TERMINAL WIRE	
		E03891-001	TAB	
		E306291-001	BRACKET	
		E306291-002	BRACKET	
		E33754-001	TIE BAND	
		E70945-H35	HEAT SINK	
		E73525-001	SPECIAL SCREW	
		E73525-003	SCREW	
		E74266-002	SPECIAL SCREW	
		GBSG3008CC	SCREW	
		WNS3000CC	WASHER	
		EMW10260-003	CIRCUIT BOARD	A
		E308100-001	HEAT SINK	A
		EMW10260-003BS	CIRCUIT BOARD	BBS
		E308100-001	HEAT SINK	BBS
		EMW10260-003	CIRCUIT BOARD	D
		E308100-002	HEAT SINK	D
	F001	EMG7331-002	FUSE CLIP	
	F001	EMG7331-002U	FUSE CLIP	
	F801	EMG7331-002	FUSE CLIP	
	F801	EMG7331-002U	FUSE CLIP	
	F802	EMG7331-002	FUSE CLIP	
	F802	EMG7331-002U	FUSE CLIP	

⚠ : SAFETY PARTS

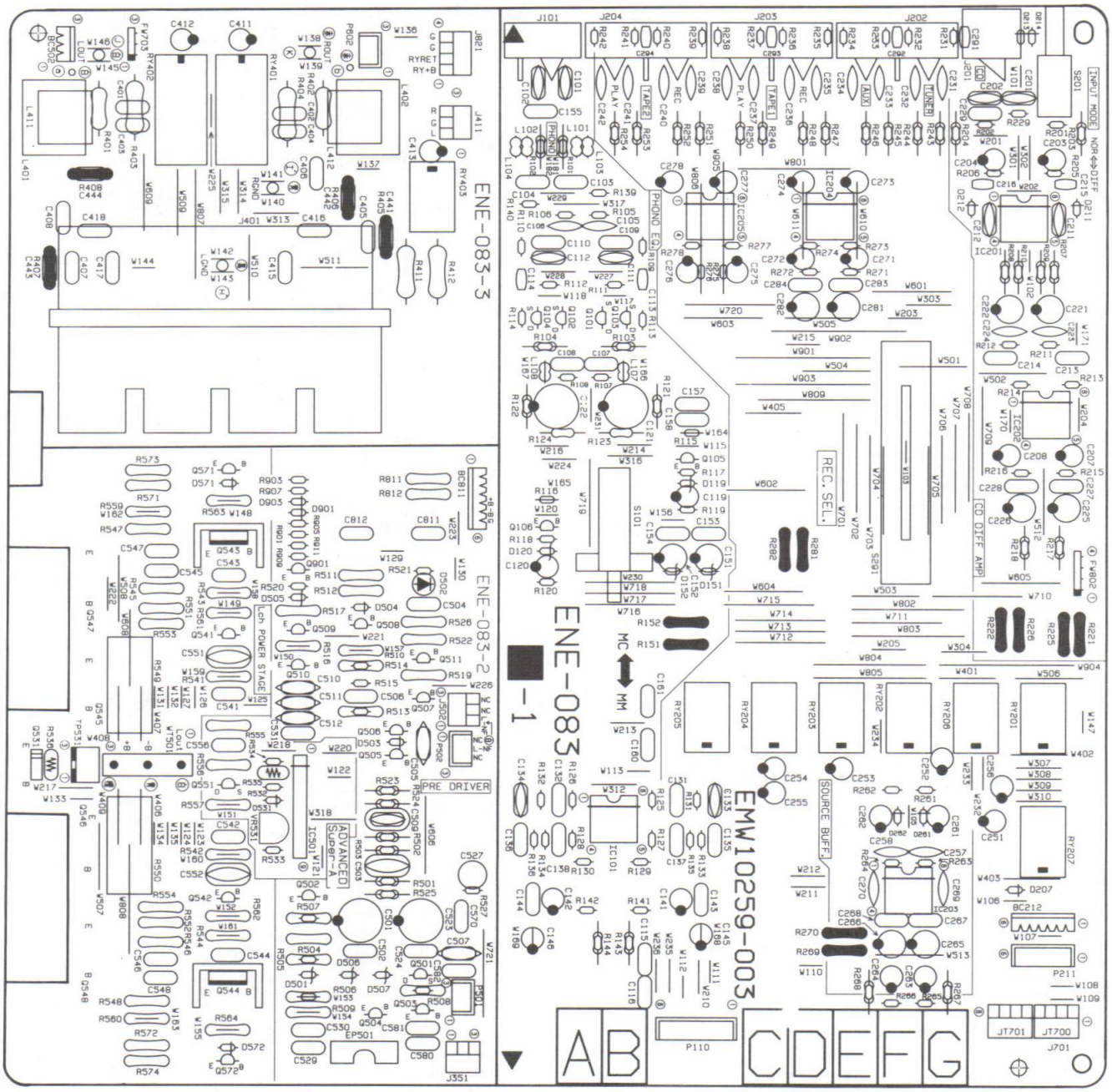
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J352	EMV7122-103	CONNECTOR(3PIN)	
	J421	QMS6302-131	HEADPHONE JACK	
	J602	EMV7122-103	CONNECTOR(3PIN)	
	J702	EMV7112-006R	CONNECT TERMINAL	
	J703	EMV7112-003R	CONNECTOR(3PIN)	
	J802	EMV7122-004	CONNECTOR(4PIN)	
	P212	EMV5109-006A	PLUG ASSY(6PIN)	
	P601	EMV5109-003A	PLUG ASSY(3PIN)	
	P803	EMV5133-003K	PLUG ASSY(3PIN)	
	P811	EMV5109-006A	PLUG ASSY(6PIN)	
	P812	EMV5109-006A	PLUG ASSY(6PIN)	
⚠	S001	QSP1106-005	POWER SWITCH	A
⚠	S001	QSP1106-005BS	POWER SWITCH	BBS
⚠	S001	QSP1106-005	POWER SWITCH	D
	S301	QST2001-E01A	PUSH SWITCH	
	S701	QSR2001-E05A	ROTARY SWITCH	
	S702	QSR2001-E06A	ROTARY SWITCH	
	S703	QSR2001-E04A	ROTARY SWITCH	
	BC110	EWS298-1318	SOCKET WIRE(8PIN)	
	BC211	EWS296-0132	SOCKET WIRE(6PIN)	
	BC501	EWS293-0114	SOCKET WIRE(3PIN)	
	BC601	EWS293-0110	SOCKET WIRE(3PIN)	
	BC803	EWS243-055	SOCKET WIRE(3PIN)	
	BC812	EWS266-A222	SOCKET WIRE(6PIN)	
	EP601	E70859-001	EARTH PLATE	
	EP801	E70859-001	EARTH PLATE	
	EP802	E70859-001	EARTH PLATE	
	FW311	EWR36B-13LST	FLAT WIRE(6PIN)	
	FW321	EWR34B-10SST	FLAT WIRE(4PIN)	
	FW331	EWR33B-25SST	FLAT WIRE(3PIN)	
	FW351	EWR33B-10LST	FLAT WIRE(3PIN)	
	FW352	EWR33B-10LST	FLAT WIRE(3PIN)	
	FW411	EWR33B-60LST	FLAT WIRE(3PIN)	
	FW701	EWR38B-20LST	FLAT WIRE(8PIN)	
	FW702	EWR36B-16KST	FLAT WIRE(6PIN)	
	FW801	EWR34B-20SST	FLAT WIRE(4PIN)	
	FW821	EWR34B-16LST	FLAT WIRE(4PIN)	
	JT310	EMV7122-103	CONNECTOR(3PIN)	
	JT311	EMV7122-103	CONNECTOR(3PIN)	
	WT601	E67764-103	WRAPPING TERMINAL(3PIN)	
	WT800	E67764-102	WRAPPING TERMINAL(2PIN)	

⚠ : SAFETY PARTS

■ENE-083☐ Input, Switch & Lch Power Amplifier PC Board Ass'y

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



Note (1)

■ ***AX-A661TN***

PC Board Ass'y	Designated Areas
ENE-083 [A]	Scandivania Continental Europe

■ ***AX-A662BK***

PC Board Ass'y	Designated Areas
ENE-083 [A]	Scandinavia Continental Europe
ENE-083 [B] BS	the U.K.
ENE-083 [D]	Germany

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q101	2SK170(BL)	F.E.T TOSHIBA	
	Q102	2SK170(BL)	F.E.T TOSHIBA	
	Q103	2SK170(BL)	F.E.T TOSHIBA	
	Q104	2SK170(BL)	F.E.T TOSHIBA	
	Q105	2SC1740S(R,S)	SILICON ROHM	
	Q106	2SC1740S(R,S)	SILICON ROHM	
	Q501	2SK170(GR,BL)	F.E.T TOSHIBA	
	Q502	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q503	2SA970(GR,BL)	SILICON TOSHIBA	
	Q504	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q505	2SC2240(A,B)	SILICON TOSHIBA	
	Q506	2SC2240(A,B)	SILICON TOSHIBA	
	Q507	2SC2240(GR,BL)	SILICON TOSHIBA	
	Q508	2SA933LN(R,S)	SILICON ROHM	
	Q509	2SA933LN(R,S)	SILICON ROHM	

⚠ : SAFETY PARTS

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	Q510	2SA1207(S,T)	SILICON		SANYO	
	Q511	2SC2909(S,T)	SILICON		SANYO	
	Q531	2SD637(Q,R)	SILICON		MATSUSHITA	
	Q541	2SC2240(GR,BL)	SILICON		TOSHIBA	
	Q542	2SA970(GR,BL)	SILICON		TOSHIBA	
	Q543	2SD669A(B,C)	SILICON		HITACHI	
	Q544	2SB649A(B,C)	SILICON		HITACHI	
	Q545	2SC3854LD(O,Y)	SILICON		SANKEN	
	Q546	2SA1490LD(O,Y)	SILICON		SANKEN	
	Q547	2SC3854LD(O,Y)	SILICON		SANKEN	
	Q548	2SA1490LD(O,Y)	SILICON		SANKEN	
	Q551	2SK170(BL)	F.E.T		TOSHIBA	
	Q571	2SC1740S(R,S)	SILICON		ROHM	
	Q572	2SA933S(R,S)	SILICON		ROHM	
	Q901	2SC2389(S,E)	SILICON		ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	IC101	VC4580DD	I.C.	DAINICHI	
	IC201	VC4580D	I.C.	DAINICHI	
	IC202	NJM5532DD	I.C.	DAINICHI	
	IC203	VC4580D	I.C.	DAINICHI	
	IC501	VC5022-2	I.C.	SANYO	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	D119	RD4.7JSB3	ZENER	NEC	
	D151	RD15JSB3	ZENER	NEC	
	D152	RD15JSB3	ZENER	NEC	
	D207	1SS119	SILICON	HITACHI	
	D211	1SS119	SILICON	HITACHI	
	D212	1SS119	SILICON	HITACHI	
	D214	1SS119	SILICON	HITACHI	
	D261	1SS119	SILICON	HITACHI	
	D262	1SS119	SILICON	HITACHI	
	D501	RD5.6JSB3	ZENER	NEC	
	D502	SLR-34VC5OF124	L.E.D.	ROHM	
	D503	1SS119	SILICON	HITACHI	
	D504	1SS119	SILICON	HITACHI	
	D505	MTZ2.7JB	ZENER	ROHM	
	D506	MTZ6.2JC	ZENER	ROHM	
	D507	MTZ6.2JC	ZENER	ROHM	
	D531	1SS119	SILICON	HITACHI	
	D571	1SS119	SILICON	HITACHI	
	D572	1SS119	SILICON	HITACHI	
	D901	1SS119	SILICON	HITACHI	
	D903	1SS119	SILICON	HITACHI	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C101	QCS21HJ-101	100PF	50V	CERAMIC	
	C102	QCS21HJ-101	100PF	50V	CERAMIC	
	C105	QCS21HJ-101	100PF	50V	CERAMIC	D
	C106	QCS21HJ-101	100PF	50V	CERAMIC	D
	C107	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C108	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C109	QFN81HJ-822	8200PF	50V	MYLAR	
	C110	QFN81HJ-822	8200PF	50V	MYLAR	
	C111	QCS21HJ-101	100PF	50V	CERAMIC	
	C112	QCS21HJ-101	100PF	50V	CERAMIC	
	C113	QCHB1EZ-223	0.022MF	25V	CERAMIC	
	C114	QCHB1EZ-223	0.022MF	25V	CERAMIC	
	C119	EETB1HM-476E	47MF	50V	ELECTRO	
	C121	EETC0JM-227E	220MF	6.3V	ELECTRO	
	C122	EETC0JM-227E	220MF	6.3V	ELECTRO	
	C131	QFN81HJ-472	4700PF	50V	MYLAR	
	C132	QFN81HJ-472	4700PF	50V	MYLAR	
	C133	QCS21HJ-331	330PF	50V	CERAMIC	
	C134	QCS21HJ-331	330PF	50V	CERAMIC	
	C135	QFVB1HJ-153N	0.015MF	50V	T.FILM	
	C136	QFVB1HJ-153N	0.015MF	50V	T.FILM	
	C137	QFN81HJ-272	2700PF	50V	MYLAR	
	C138	QFN81HJ-272	2700PF	50V	MYLAR	
	C141	EETB1HM-226E	22MF	50V	ELECTRO	
	C142	EETB1HM-226E	22MF	50V	ELECTRO	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C151	EETB1CM-107E	100MF	16V	ELECTRO	
	C152	EETB1CM-107E	100MF	16V	ELECTRO	
	C155	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C201	QCS21HJ-101	100PF	50V	CERAMIC	
	C202	QCS21HJ-101	100PF	50V	CERAMIC	
	C203	EETB1HM-225E	2.2MF	50V	ELECTRO	
	C204	EETB1HM-225E	2.2MF	50V	ELECTRO	
	C207	EETB1HM-106E	10MF	50V	ELECTRO	
	C208	EETB1HM-106E	10MF	50V	ELECTRO	
	C211	QCS21HJ-101	100PF	50V	CERAMIC	
	C212	QCS21HJ-101	100PF	50V	CERAMIC	
	C215	QCBB1HK-101	100PF	50V	CERAMIC	
	C216	QCBB1HK-101	100PF	50V	CERAMIC	
	C221	EETB1EM-226E	22MF	25V	ELECTRO	
	C222	EETB1EM-226E	22MF	25V	ELECTRO	
	C225	EETB1EM-226E	22MF	25V	ELECTRO	
	C226	EETB1EM-226E	22MF	25V	ELECTRO	
	C229	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C231	QCS21HJ-101	100PF	50V	CERAMIC	
	C232	QCS21HJ-101	100PF	50V	CERAMIC	
	C233	QCS21HJ-101	100PF	50V	CERAMIC	
	C234	QCS21HJ-101	100PF	50V	CERAMIC	
	C235	QCS21HJ-101	100PF	50V	CERAMIC	
	C236	QCS21HJ-101	100PF	50V	CERAMIC	
	C237	QCS21HJ-101	100PF	50V	CERAMIC	
	C238	QCS21HJ-101	100PF	50V	CERAMIC	
	C239	QCS21HJ-101	100PF	50V	CERAMIC	
	C240	QCS21HJ-101	100PF	50V	CERAMIC	
	C241	QCS21HJ-101	100PF	50V	CERAMIC	
	C242	QCS21HJ-101	100PF	50V	CERAMIC	
	C251	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C252	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C253	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C254	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C255	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C256	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C257	QCS21HJ-101	100PF	50V	CERAMIC	
	C258	QCS21HJ-101	100PF	50V	CERAMIC	
	C261	EETB1HM-106E	10MF	50V	ELECTRO	
	C262	EETB1HM-106E	10MF	50V	ELECTRO	
	C263	EETB1HM-106E	10MF	50V	ELECTRO	
	C264	EETB1HM-106E	10MF	50V	ELECTRO	
	C265	EETB1CM-107E	100MF	16V	ELECTRO	
	C266	EETB1CM-107E	100MF	16V	ELECTRO	
	C269	QCS21HJ-101	100PF	50V	CERAMIC	
	C270	QCS21HJ-101	100PF	50V	CERAMIC	
	C401	QFVB1HJ-104N	0.1MF	50V	T.FILM	
	C402	QFVB1HJ-104N	0.1MF	50V	T.FILM	
	C403	QFVB1HJ-104N	0.1MF	50V	T.FILM	
	C404	QFVB1HJ-104N	0.1MF	50V	T.FILM	
	C405	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C406	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C407	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C408	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C411	EETB1HM-105E	1MF	50V	ELECTRO	
	C412	EETB1HM-105E	1MF	50V	ELECTRO	
	C413	EETB1HM-105E	1MF	50V	ELECTRO	
	C415	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C416	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C417	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C418	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C441	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C442	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C443	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C444	QFVB1HJ-223N	0.022MF	50V	T.FILM	
	C501	EETB1HM-475E	4.7MF	50V	ELECTRO	
	C503	QCS21HJ-221	220PF	50V	CERAMIC	
	C505	QCS21HJ-101	100PF	50V	CERAMIC	
	C506	QFN81HJ-152	1500PF	50V	MYLAR	
	C507	QCS21HJ-101	100PF	50V	CERAMIC	
	C509	QCS21HJ-100	10PF	50V	CERAMIC	
	C510	QCS22HJ-220	22PF	500V	CERAMIC	
	C511	QCS21HJ-680	68PF	50V	CERAMIC	
	C512	QCS21HJ-680	68PF	50V	CERAMIC	
	C523	EETB1CM-107E	100MF	16V	ELECTRO	
	C527	QEN51HM-475	4.7MF	50V	NON POLE	
	C530	QFN82AJ-103	0.01MF	100V	MYLAR	D
	C531	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C551	QCS22HJ-220	22PF	500V	CERAMIC	
	C552	QCS22HJ-220	22PF	500V	CERAMIC	
	C556	QFVB1HJ-473N	0.047MF	50V	T.FILM	
	C570	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C580	QFVB1HJ-104N	0.1MF	50V	T.FILM	
	C581	QFVB1HJ-104N	0.1MF	50V	T.FILM	
	C582	QFVB1HJ-103N	0.01MF	50V	T.FILM	
	C811	QFN82AJ-103	0.01MF	100V	MYLAR	
	C812	QFN82AJ-103	0.01MF	100V	MYLAR	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R101	QRD167J-102	1K	1/6W	CARBON	D
	R102	QRD167J-102	1K	1/6W	CARBON	D
	R103	QRD167J-100	10	1/6W	CARBON	
	R104	QRD167J-100	10	1/6W	CARBON	
	R105	QRD167J-473	47K	1/6W	CARBON	
	R106	QRD167J-473	47K	1/6W	CARBON	
	R107	QRD167J-101	100	1/6W	CARBON	
	R108	QRD167J-101	100	1/6W	CARBON	
	R109	QRD167J-680	68	1/6W	CARBON	
	R110	QRD167J-680	68	1/6W	CARBON	
	R111	QRD167J-472	4.7K	1/6W	CARBON	
	R112	QRD167J-472	4.7K	1/6W	CARBON	
	R113	QRD167J-472	4.7K	1/6W	CARBON	
	R114	QRD167J-472	4.7K	1/6W	CARBON	
	R115	QRD167J-102	1K	1/6W	CARBON	
	R116	QRD167J-102	1K	1/6W	CARBON	
	R117	QRD167J-102	1K	1/6W	CARBON	
	R118	QRD167J-102	1K	1/6W	CARBON	
	R119	QRD167J-153	15K	1/6W	CARBON	
	R121	QRD167J-180	18	1/6W	CARBON	
	R122	QRD167J-180	18	1/6W	CARBON	
	R123	ERD003J-221	220		R.NETWORK	
	R124	ERD003J-221	220		R.NETWORK	
	R125	QRD167J-125	1.2M	1/6W	CARBON	
	R126	QRD167J-125	1.2M	1/6W	CARBON	
	R127	QRD167J-125	1.2M	1/6W	CARBON	
	R128	QRD167J-125	1.2M	1/6W	CARBON	
	R129	QRD167J-104	100K	1/6W	CARBON	
	R130	QRD167J-104	100K	1/6W	CARBON	
	R131	QRD167J-153	15K	1/6W	CARBON	
	R132	QRD167J-153	15K	1/6W	CARBON	
	R133	QRD167J-103	10K	1/6W	CARBON	
	R134	QRD167J-103	10K	1/6W	CARBON	
	R135	QRD167J-184	180K	1/6W	CARBON	
	R136	QRD167J-184	180K	1/6W	CARBON	
	R141	QRD167J-104	100K	1/6W	CARBON	
	R142	QRD167J-104	100K	1/6W	CARBON	
	R143	QRD167J-101	100	1/6W	CARBON	
	R144	QRD167J-101	100	1/6W	CARBON	
⚠	R151	QRZ0077-101	100	1/4W	FUSIBLE	
⚠	R152	QRZ0077-101	100	1/4W	FUSIBLE	
	R201	QRD167J-513	51K	1/6W	CARBON	
	R202	QRD167J-513	51K	1/6W	CARBON	
	R203	QRD167J-331	330	1/6W	CARBON	
	R204	QRD167J-331	330	1/6W	CARBON	
	R205	QRD167J-105	1M	1/6W	CARBON	
	R206	QRD167J-105	1M	1/6W	CARBON	
⚠	R207	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R208	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R209	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R210	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R211	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R212	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R213	QRV144F-2701	2.7K	1/4W	M.FILM	
⚠	R214	QRV144F-2701	2.7K	1/4W	M.FILM	
	R215	QRD167J-104	100K	1/6W	CARBON	
	R216	QRD167J-104	100K	1/6W	CARBON	
	R217	QRD167J-101	100	1/6W	CARBON	
	R218	QRD167J-101	100	1/6W	CARBON	
⚠	R221	QRD14CJ-681S	680	1/4W	UNF.CARBON	
⚠	R222	QRD14CJ-681S	680	1/4W	UNF.CARBON	
⚠	R225	QRD14CJ-681S	680	1/4W	UNF.CARBON	
⚠	R226	QRD14CJ-681S	680	1/4W	UNF.CARBON	
	R229	QRD167J-473	47K	1/6W	CARBON	
	R231	QRD167J-474	470K	1/6W	CARBON	
	R232	QRD167J-474	470K	1/6W	CARBON	
	R233	QRD167J-474	470K	1/6W	CARBON	
	R234	QRD167J-474	470K	1/6W	CARBON	
	R235	QRD167J-474	470K	1/6W	CARBON	
	R236	QRD167J-474	470K	1/6W	CARBON	
	R237	QRD167J-474	470K	1/6W	CARBON	
	R238	QRD167J-474	470K	1/6W	CARBON	
	R239	QRD167J-474	470K	1/6W	CARBON	
	R240	QRD167J-474	470K	1/6W	CARBON	
	R241	QRD167J-474	470K	1/6W	CARBON	
	R242	QRD167J-474	470K	1/6W	CARBON	
	R243	QRD167J-331	330	1/6W	CARBON	
	R244	QRD167J-331	330	1/6W	CARBON	
	R245	QRD167J-331	330	1/6W	CARBON	
	R246	QRD167J-331	330	1/6W	CARBON	
	R247	QRD167J-331	330	1/6W	CARBON	
	R248	QRD167J-331	330	1/6W	CARBON	
	R249	QRD167J-331	330	1/6W	CARBON	
	R250	QRD167J-331	330	1/6W	CARBON	
	R251	QRD167J-331	330	1/6W	CARBON	
	R252	QRD167J-331	330	1/6W	CARBON	
	R253	QRD167J-331	330	1/6W	CARBON	
	R254	QRD167J-331	330	1/6W	CARBON	
	R261	QRD167J-474	470K	1/6W	CARBON	
	R262	QRD167J-474	470K	1/6W	CARBON	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R263	QRD167J-683	68K	1/6W	CARBON	
	R264	QRD167J-683	68K	1/6W	CARBON	
	R265	QRD167J-104	100K	1/6W	CARBON	
	R266	QRD167J-104	100K	1/6W	CARBON	
	R267	QRD167J-101	100	1/6W	CARBON	
	R268	QRD167J-101	100	1/6W	CARBON	
⚠	R269	QRZ0077-101	100	1/4W	FUSIBLE	
⚠	R270	QRZ0077-101	100	1/4W	FUSIBLE	
⚠	R401	QRD125J-100	10	1/2W	UNF.CARBON	
⚠	R402	QRD125J-100	10	1/2W	UNF.CARBON	
⚠	R403	QRG022J-100A	10	2W	O.M.FILM	
⚠	R404	QRG022J-100A	10	2W	O.M.FILM	
⚠	R411	QRG022J-331A	330	2W	O.M.FILM	
⚠	R412	QRG022J-331A	330	2W	O.M.FILM	
⚠	R501	QRV144F-8200		1/4W	M.FILM	
⚠	R502	QRV144F-1602	16K	1/4W	M.FILM	
⚠	R503	QRV144F-9102A	91K	1/4W	M.FILM	
⚠	R504	QRD14CJ-103S	10K	1/4W	UNF.CARBON	
	R505	QRD167J-473	47K	1/6W	CARBON	
	R506	QRD167J-472	4.7K	1/6W	CARBON	
	R507	QRD167J-471	470	1/6W	CARBON	
	R508	QRD167J-101	100	1/6W	CARBON	
⚠	R511	QRD14CJ-101S	100	1/4W	UNF.CARBON	
⚠	R512	QRD14CJ-121S	120	1/4W	UNF.CARBON	
	R513	QRD167J-332	3.3K	1/6W	CARBON	
	R514	QRD167J-272	2.7K	1/6W	CARBON	
	R515	QRD167J-101	100	1/6W	CARBON	
⚠	R516	QRD14CJ-331S	330	1/4W	UNF.CARBON	
⚠	R517	QRD14CJ-560S	56	1/4W	UNF.CARBON	
⚠	R519	QRD14CJ-332S	3.3K	1/4W	UNF.CARBON	
	R520	QRD167J-333	33K	1/6W	CARBON	
	R521	QRD167J-333	33K	1/6W	CARBON	
⚠	R522	QRD14CJ-221S	220	1/4W	UNF.CARBON	
⚠	R523	QRV144F-9102A	91K	1/4W	M.FILM	
⚠	R524	QRV144F-1602	16K	1/4W	M.FILM	
⚠	R525	QRV144F-8200		1/4W	M.FILM	
⚠	R526	QRD14CJ-101S	100	1/4W	UNF.CARBON	
	R527	QRD167J-224	220K	1/6W	CARBON	
	R532	QRD167J-471	470	1/6W	CARBON	
	R533	QRD167J-391	390	1/6W	CARBON	
	R534	QRD167J-101	100	1/6W	CARBON	
	R535	ERT-D2WFL351S	350	1/4W	THERMISTOR	
	R536	ERT-D2WHL202S	2K	1/4W	THERMISTOR	
⚠	R541	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R542	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R543	QRD14CJ-470S	47	1/4W	UNF.CARBON	
⚠	R544	QRD14CJ-470S	47	1/4W	UNF.CARBON	
⚠	R545	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R546	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R547	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R548	QRD14CJ-4R7S	4.7	1/4W	UNF.CARBON	
⚠	R549	ERF032K-R22	0.22	3W	CEMENT	
⚠	R550	ERF032K-R22	0.22	3W	CEMENT	
⚠	R551	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R552	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R553	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R554	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R555	QRD14CJ-122S	1.2K	1/4W	UNF.CARBON	
⚠	R556	QRD14CJ-101S	100	1/4W	UNF.CARBON	
⚠	R559	QRZ0077-4R7	4.7	1/4W	FUSIBLE	
⚠	R560	QRZ0077-4R7	4.7	1/4W	FUSIBLE	
⚠	R571	QRD14CJ-561S	560	1/4W	UNF.CARBON	
⚠	R572	QRD14CJ-561S	560	1/4W	UNF.CARBON	
⚠	R573	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R574	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R811	QRD14CJ-330S	33	1/4W	UNF.CARBON	
⚠	R812	QRD14CJ-330S	33	1/4W	UNF.CARBON	
	R901	QRD167J-272	2.7K	1/6W	CARBON	
	R903	QRD167J-272	2.7K	1/6W	CARBON	
	R905	QRD167J-153	15K	1/6W	CARBON	
	R907	QRD167J-153	15K	1/6W	CARBON	
	R909	QRD167J-223	22K	1/6W	CARBON	
	R911	QRD167J-104	100K	1/6W	CARBON	
	VR531	QVPE601-501	500	0.15W	VARIABLE	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		EMW10259-003	CIRCUIT BOARD	
		E306293-001	BRACKET	
		E306293-002	BRACKET	
		E33754-001	TIE BAND	
		E73525-003	SCREW	
		E74266-002	SPECIAL SCREW	
		GBSG3008CC	SCREW	
		WNS3000CC	WASHER	
		E308100-001	HEAT SINK	A
		E308100-001	HEAT SINK	B

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E308100-002	HEAT SINK	D
	J101	EMN00TV-208A	2P PIN JACK(PHONO INPUT)	
	J201	EMN00TV-220A	2P PIN JACK(CD INPUT)	
	J202	EMN00TV-404A	4P PIN JACK(TUNER/AUX INPUT)	
	J203	EMN00TV-404A	4P PIN JACK(TATE-1 IN/OUT)	
	J204	EMN00TV-404A	4P PIN JACK(TATE-2 IN/OUT)	
	J351	EMV7122-103	CONNECTOR(3PIN)	
	J401	EMB00TV-802B	SPEAKER TERMINAL	A
	J401	EMB00TV-802A	SPEAKER TERMINAL	B
	J401	EMB00TV-802A	SPEAKER TERMINAL	D
	J411	EMV7122-103	CONNECTOR(3PIN)	
	J502	EMV7122-103	CONNECTOR(3PIN)	
	J821	EMV7122-004	CONNECTOR(4PIN)	
	L101	EQL4004-330	INDUCTOR	D
	L102	EQL4004-330	INDUCTOR	D
	L103	EQL4004-330	INDUCTOR	D
	L104	EQL4004-330	INDUCTOR	D
	L401	EQL0001-1R0	INDUCTOR	
	L402	EQL0001-1R0	INDUCTOR	
	P110	EMV5109-008A	PLUG ASSY(8PIN)	
	P211	EMV5109-006A	PLUG ASSY(6PIN)	
	P501	EMV5109-003A	PLUG ASSY(3PIN)	
	S101	QSP2001-E01A	PUSH SWITCH	
	S201	QST3101-E06	PUSH SWITCH	
	S291	QSS1R46-E01	SLIDE SWITCH	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	BC212	EWS296-0136	SOCKET WIRE(6PIN)	
	BC811	EWS266-A222	SOCKET WIRE(6PIN)	
	EP501	E70859-001	EARTH PLATE	
	FW703	EWR338-45KST	FLAT WIRE(3PIN)	
	FW802	EWR34B-20LST	FLAT WIRE(4PIN)	
	JT700	EMV7122-004	CONNECTOR(4PIN)	
	JT701	EMV7122-004	CONNECTOR(4PIN)	
	RY201	ESK5D24-21AF	RELAY	
	RY202	ESK5D24-21AF	RELAY	
	RY203	ESK5D24-21AF	RELAY	
	RY204	ESK5D24-21AF	RELAY	
	RY205	ESK5D24-21AF	RELAY	
	RY206	ESK5D24-21AF	RELAY	
	RY207	ESK5D24-21AF	RELAY	
	RY401	ESK7D24-2120	RELAY	
	RY402	ESK7D24-2120	RELAY	
	RY403	ESK5D24-21AF	RELAY	
	WT501	E67764-103	WRAPPING TERMINAL	

⚠ : SAFETY PARTS

Accessories List

■ *AX-A661TN*

Part Number	Part Name	Q'ty	Description	Areas
E30580-1889A	Instruction Book	1		
E30580-1894A	Instruction Book	1		EN
E41202-2	Envelope	1		

The Marks for Designated Areas

EN·····Scandinavia
EF·····Continental Europe
No mark indicates all areas.

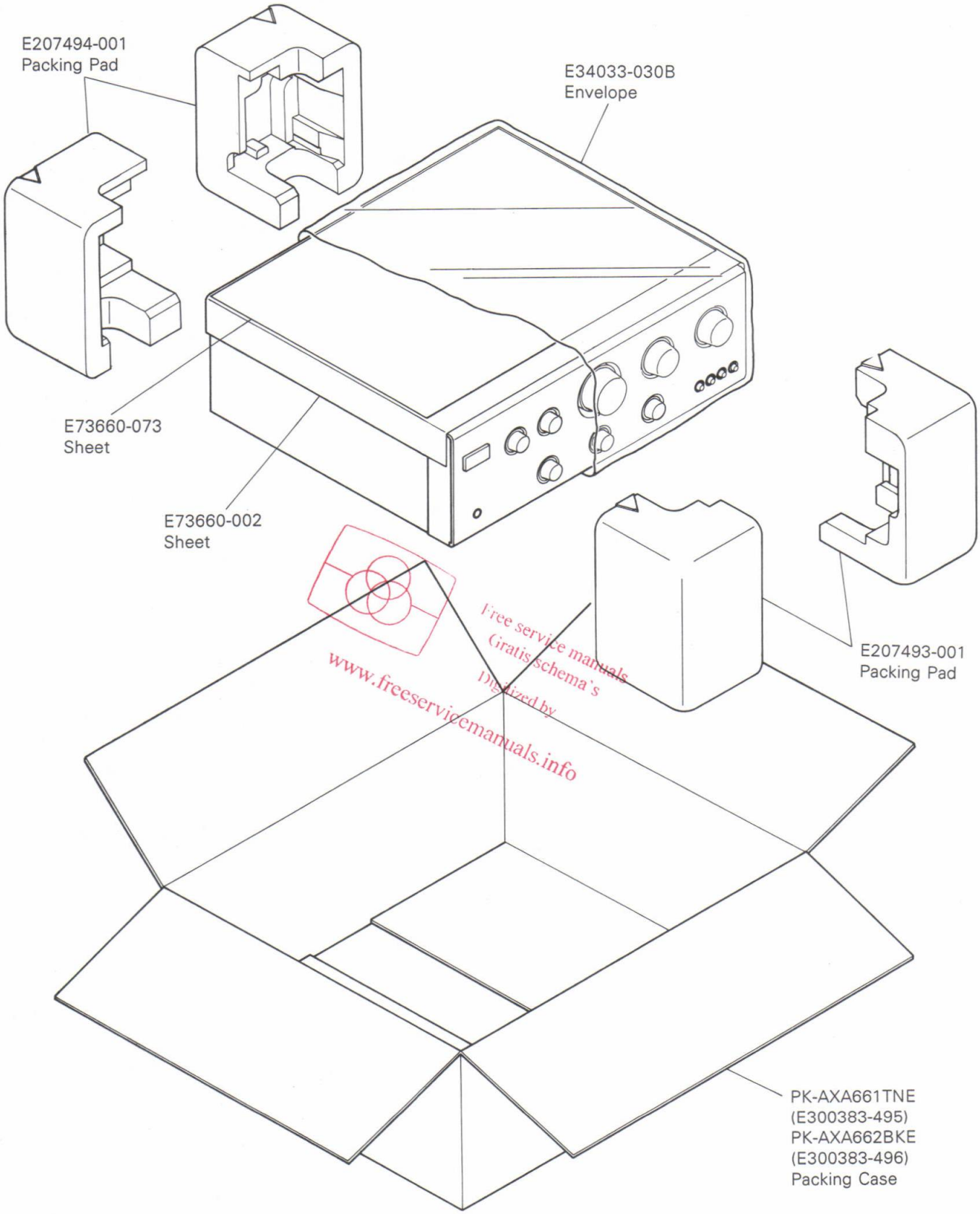
■ *AX-A662BK*

Part Number	Part Name	Q'ty	Description	Areas
E30580-1889A	Instruction Book	1		Except BS
E30580-1889ABS	Instruction Book	1		BS
E30580-1894A	Instruction Book	1		EN
BT-20134	Warranty Card	1		G
BT20060	Warranty Card	1		BS
BT20066A	EEC Agency	1		BS
E43486-340A	Safety Sheet	1		BS
QZL1008-001	FTZ Information Sheet	1		G
E41202-2	Envelope	1		Except BS
E41202-2B	Envelope	1		BS

The Marks for Designated Areas

EN·····Scandinavia
EF·····Continental Europe
G·····Germany
BS·····the U.K.
No mark indicates all areas.

Packing Materials and Part Numbers



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