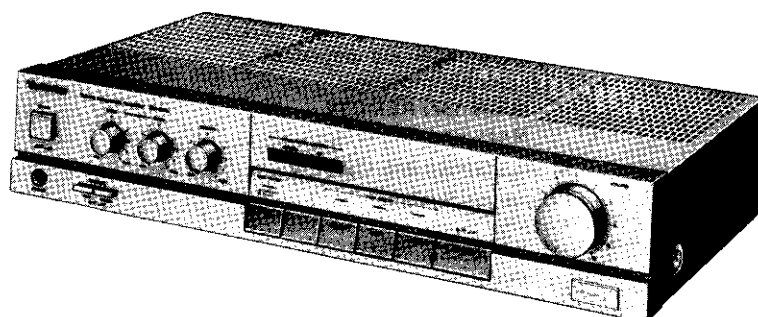


Service Manual

Stereo Integrated Amplifier

Amplifier

SU-500



Color

(K) Black Type
(S) Silver Type

Color	Area
(K)(S)	[E] Continental Europe
(K)(S)	[EH] Holland
(K)(S)	[EB] Belgium
(K)(S)	[EF] France
(K)(S)	[EK] United Kingdom
(K)(S)	[EG] . . . F.R. Germany
(K)(S)	[Ei] Italy
(K)(S)	[XL] Australia
(K)(S)	[XA] Asia, Latin America, Middle Near East, Africa & Oceania

SPECIFICATIONS

(DIN 45 500)

■ AMPLIFIER SECTION

40 Hz~20 kHz continuous power output both channels driven	2 × 40W (8Ω)
1 kHz continuous power output both channels driven	2 × 50W (8Ω)
Total harmonic distortion	
rated power at 40 Hz~20 kHz	0.05% (8Ω)
half power at 1 kHz	0.03% (8Ω)
Intermodulation distortion	
rated power at 60 Hz: 7 kHz=4:1, SMPTE, 8Ω	0.05%
Power bandwidth	
both channels driven, -3 dB	10 Hz~25 kHz (8Ω, 0.05%)
Damping factor	50 (8Ω)
Input sensitivity and impedance	
PHONO	2.5 mV/47kΩ
TUNER, CD/AUX	150 mV/22kΩ
TAPE/EXT	150 mV/22kΩ
PHONO maximum input voltage (1 kHz, RMS)	150 mV
S/N	
rated power (8Ω)	
PHONO	71 dB (IHF, A: 72 dB)
TUNER, CD/AUX, TAPE/EXT	90 dB (IHF, A: 98 dB)
Frequency response	
PHONO	RIAA standard curve ±0.8 dB (30 Hz~15 kHz)
TUNER, CD/AUX, TAPE/EXT	5 Hz~70 kHz (-3 dB)

Tone controls

BASS 50 Hz, +10 dB~-10 dB

TREBLE 20 kHz, +10 dB~-10 dB

Loudness control (volume at -30 dB) 50 Hz, +9 dB

Output voltage and impedance

REC OUT 150 mV

Channel balance, CD/AUX 250 Hz~6,300 Hz ±1 dB

Channel separation, AUX 1 kHz 45 dB

Headphones output level and impedance 470 mV/330Ω

Load impedance

MAIN or REMOTE 4Ω~16Ω

MAIN and REMOTE 8Ω~16Ω

■ GENERAL

Power consumption 250W

Power supply

For Australia and United Kingdom AC 50 Hz/60 Hz, 240V

For continental Europe AC 50 Hz/60 Hz, 220V

For others AC 50 Hz/60 Hz, 110V/127V/220V/240V

Dimensions (W×H×D) 430 × 86 × 240 mm

(16-15/16" × 3-3/8" × 9-7/16")

Weight 4.7 kg (10.4 lb.)

Note:

Total harmonic distortion is measured by the digital spectrum analyzer (H.P. 3045 system).

Specifications are subject to change without notice for further improvement.

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SU-500

■ TECHNISCHE DATEN

(DIN 45 500)

■ VERSTÄRKERTEIL

Dauerton-Ausgangsleistung bei 40 Hz ~ 20 kHz	
beide Kanäle angesteuert	2 × 40W (8 Ω)
Dauerton-Ausgangsleistung bei 1 kHz	
beide Kanäle angesteuert	2 × 50W (8 Ω)
Gesamtklirrfaktor	
Nennleistung bei 40 Hz ~ 20 kHz	0,05% (8 Ω)
halbe Nennleistung bei 1 kHz	0,03% (8 Ω)
Intermodulationsfaktor	
Nennleistung bei 60 Hz: 7 kHz = 4:1, nach SMPTE, 8 Ω	0,05%
Leistungsbandbreite	
beide Kanäle angesteuert bei -3 dB	10 Hz ~ 25 kHz (8 Ω, 0,05%)
Dämpfungsfaktor	50 (8 Ω)
Eingangsempfindlichkeit und -impedanz	
Phono	2,5 mV/47 kΩ
Tuner, CD/Aux	150 mV/22 kΩ
TAPE/EXT	150 mV/22 kΩ
Maximale TA-Eingangsspannung (1 kHz, eff.)	150 mV
Geräuschspannungsabstand	
Nennleistung (8 Ω)	
Phono	71 dB (nach IHF, A: 72 dB)
Tuner, CD/Aux, TAPE/EXT	90 dB (nach IHF, A: 98 dB)

Frequenzgang

Phono	RIAA-Standardkurve, ±0,8 dB (30 Hz ~ 15 kHz)
Tuner, CD/Aux, Tape/EXT	5 Hz ~ 70 kHz (-3 dB)

Klangregler

Baßregler (BASS)	50 Hz, +10 dB ~ -10 dB
Höhenregler (TREBLE)	20 kHz, +10 dB ~ -10 dB

Gehörriichtige Lautstärkekorrektur (Loudness)

(bei -30 dB Ausgangsleistung)	50 Hz, +9 dB
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Ausgangsspannung und -impedanz

Aufnahmeausgang (REC OUT)	150 mV
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Kanalabweichung (CD/Aux, 250 Hz ~ 6300 Hz)

	±1 dB
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Übersprechdämpfung (Aux, 1 kHz)

	45 dB
--	-------

Kopfhörerpegel und -impedanz

	470 mV/330 Ω
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Lautsprecherimpedanz

MAIN oder REMOTE	4 Ω ~ 16 Ω
------------------	------------

MAIN und REMOTE	8 Ω ~ 16 Ω
-----------------	------------

■ ALLGEMEINE DATEN

Leistungsaufnahme	250W
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Netzspannung

Für Kontinentaleuropa	Wechselstrom 50 Hz/60 Hz, 220V
Für andere Länder	Wechselstrom 50 Hz/60 Hz, 110V/127V/220V/240V

Abmessungen (B×H×T)

	430 × 86 × 240 mm
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Gewicht

	4,7 kg
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Bemerkung:

Der Gesamtklirrfaktor wurde mit einem digitalen Rauschspektrometer (Anlage H.P. 3045) gemessen.
(Die technischen Daten können infolge von Verbesserungen ohne Ankündigung geändert werden.)

■ CARACTERISTIQUES

(DIN 45 500)

■ SECTION AMPLIFICATEUR

Puissance de sortie continue de 40 Hz~20 kHz,	
les deux canaux en circuit	2 × 40W (8Ω)
Puissance de sortie continue à 1 kHz	
les deux canaux en circuit	2 × 50W (8Ω)
Distorsion harmonique totale	
à puissance nominale (40 Hz~20 kHz)	0,05% (8Ω)
à demi-puissance (1 kHz)	0,03% (8Ω)
Distorsion d'intermodulation	
à puissance nominale à 60 Hz: 7 kHz=4:1, SMPTE, 8Ω	0,05%
Réponse de fréquences	
les deux canaux en circuit, -3 dB	10 Hz~25 kHz (8Ω, 0,05%)
Coefficient d'amortissement	50 (8Ω)
Sensibilité et impédance d'entrée	
PHONO	2,5 mV/47kΩ
SYNTONISATEUR, CD/AUX (TUNER, CD/AUX)	150 mV/22kΩ
BANDE/EXT (TAPE/EXT)	150 mV/22kΩ
PHONO (tension d'entrée maximum, 1 kHz RMS)	150 mV
Signal/Bruit	
à puissance nominale (8Ω)	
PHONO	71 dB (IHF, A: 72 dB)
SYNTONISATEUR, CD/AUX, BANDE/EXT	
(TUNER, CD/AUX, TAPE/EXT)	90dB (IHF, A: 98 dB)
Réponse de fréquence	
PHONO	Courbe nominale RIAA ±0,8 dB (30 Hz~15 kHz)

SYNTONISATEUR, CD/AUX, BANDE/EXT (TUNER, CD/AUX, TAPE/EXT)

	5 Hz~70 kHz (-3 dB)
Réglage de la tonalité	
BASSES (BASS)	50 Hz, +10 dB~-10 dB
AIGUS (TREBLE)	20 kHz, +10 dB~-10 dB
Compensateur physiologique (volume à -30 dB)	50 Hz, +9 dB
Tension de sortie et impédance	
SORTIE ENREGISTREMENT (REC OUT)	150 mV
Equilibrage des canaux, CD/AUX 250 Hz~6 300 Hz	±1 dB
Séparation des canaux, AUX 1 kHz	45 dB
Niveau de sortie des casques et impédance	470 mV/330Ω
Impédance de charge	
PRINCIPALE ou AUXILIAIRE (MAIN or REMOTE)	4Ω~16Ω
PRINCIPALE et AUXILIAIRE (MAIN and REMOTE)	8Ω~16Ω

■ DIVERS

Consommation	250W
Alimentation	
Pour l'Europe	CA 50 Hz/60 Hz, 220V
Autres	CA 50 Hz/60 Hz, 110V/127V/220V/240V
Dimensions (L×H×Pr)	430 × 86 × 240 mm
Poids	4,7 kg

Remarque:

On mesure la distorsion harmonique totale au moyen d'un analyseur de spectre digital (Système H.P. 3045).

(Sujet à changement sans préavis)

■ ESPECIFICACIONES (DIN 45 500)

■ SECCION AMPLIFICADOR

Potencia continua de 40 Hz~20 kHz en ambos canales	2 × 40W (8Ω)
Potencia continua de 1 kHz en ambos canales	2 × 50W (8Ω)
Distorsión armónica total	
potencia de régimen a 40 Hz~20 kHz	0,05% (8Ω)
mitad de potencia a 1 kHz	0,03% (8Ω)
Distorsión por intermodulación	
potencia de régimen a 60 Hz: 7 kHz=4:1, SMPTE, 8Ω	0,05%
Ancho de banda de potencia con ambos canales, -3 dB	10 Hz~25 kHz (8Ω, 0,05%)
Factor de amortiguamiento	50 (8Ω)
Sensibilidad e impedancia de entrada	
TOCASC. (PHONO)	2,5 mV/47kΩ
SINTON., CD/AUX. (TUNER, CD/AUX)	150 mV/22kΩ
GRAB/EXT (TAPE/EXT)	150 mV/22kΩ
Voltaje máximo de entrada de PHONO (1 kHz, RMS)	150 mV
Relación de señal a ruido	
potencia de régimen (8Ω)	
TOCASC. (PHONO)	71 dB (IHF, A: 72 dB)
SINTON., CD/AUX., GRAB/EXT (TUNER, CD/AUX, TAPE/EXT)	90 dB (IHF, A: 98 dB)
Respuesta de frecuencia	
TOCASC. (PHONO)	curva RIAA estándar ±0,8 dB (30 Hz~15 kHz)

SINTON., CD/AUX., GRAB/EXT (TUNER, CD/AUX, TAPE/EXT)

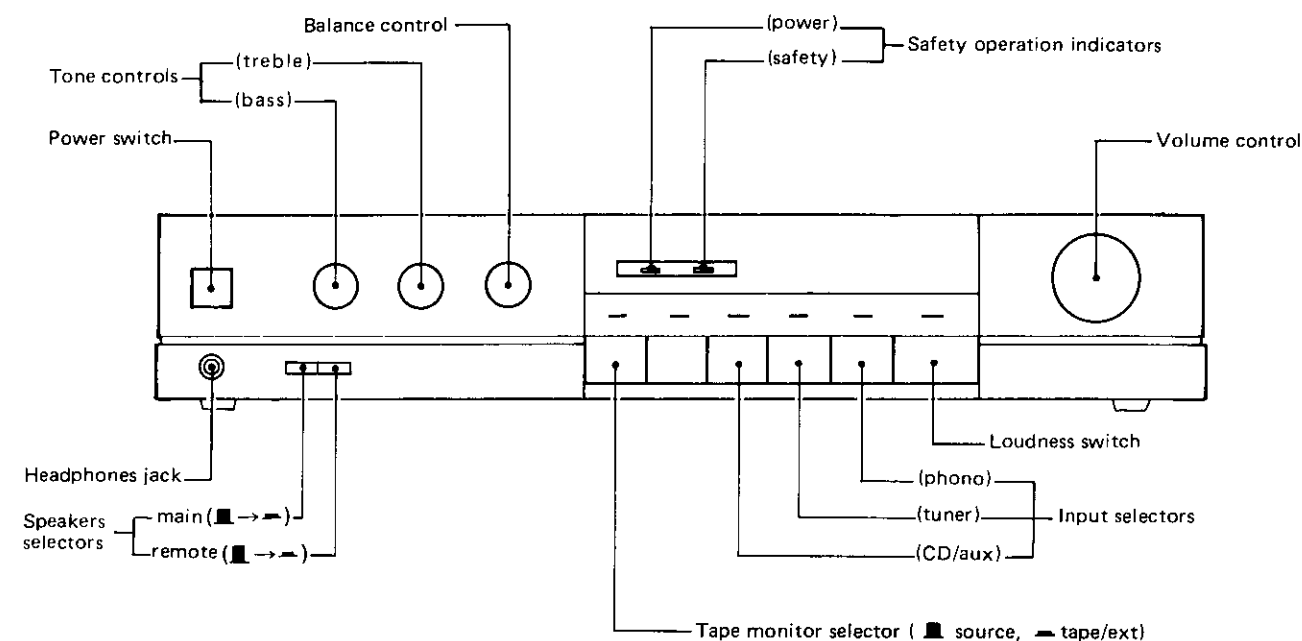
5 Hz~70 kHz (-3 dB)	
Controles de tono	
BAJOS (BASS)	50 Hz, +10 dB~-10 dB
AGUDOS (TREBLE)	20 kHz, +10 dB~-10 dB
Control de sonoridad (volumen a -30 dB)	50 Hz, +9 dB
Voltaje e impedancia de salida	
SAL. GRAB. (REC OUT)	150 mV
Equilibrio de canales, CD/AUX 250 Hz~6 300 Hz	±1 dB
Separación de canales, AUX 1 kHz	45 dB
Impedancia y nivel de salida de los auriculares	470 mV/330Ω
Impedancia de carga	
MAIN o REMOTE	4Ω~16Ω
MAIN y REMOTE	8Ω~16Ω

■ GENERAL

Consumo de energía	250W
Alimentación de energía	
Para Europa continental	CA 50 Hz/60 Hz, 220V
Para otros países	CA 50 Hz/60 Hz, 110V/127V/220V/240V
Dimensiones (An.×Al.×Prof.)	430 × 86 × 240 mm
Peso	4,7 kg

Nota:
La distorsión armónica total se mide con el analizador de espectro digital (sistema H.P. 3045).
(Estas especificaciones están sujetas a cualquier cambio sin previo aviso.)

■ LOCATION OF CONTROLS



■ CONTENTS

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■ PROTECTION CIRCUITRY

The protection circuitry may have operated if either of the following conditions is noticed:

- No sound is heard when the power is switched ON.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.

If this occurs, follow the procedure outlined below:

1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

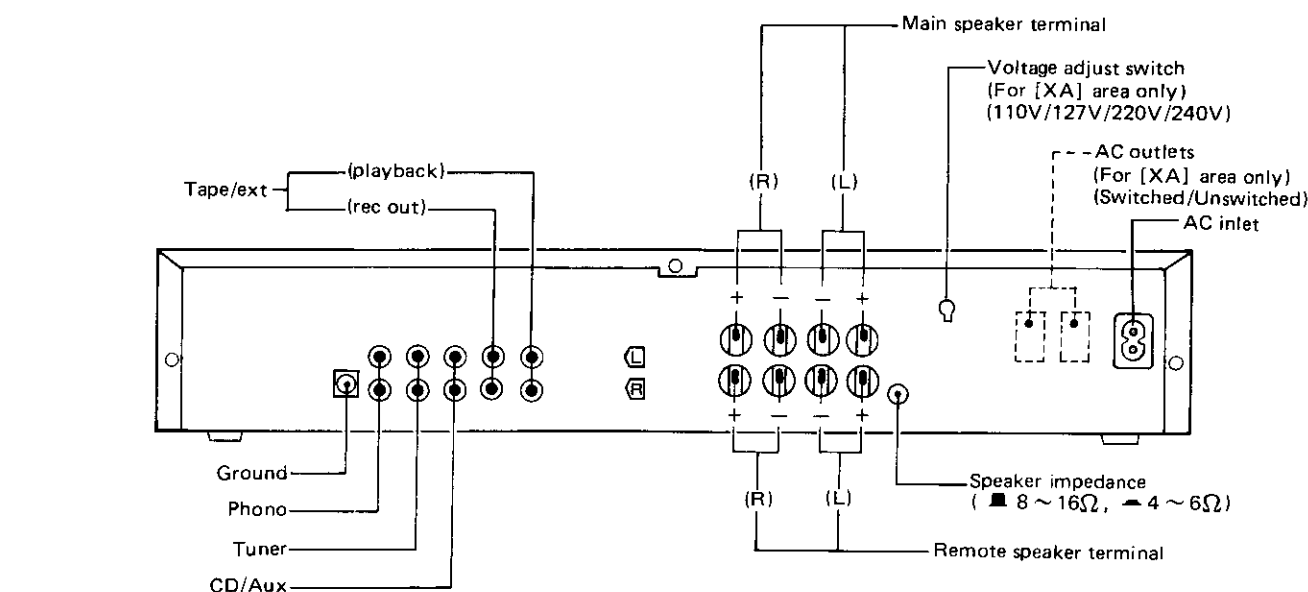
Note:

When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

■ BEFORE REPAIR AND ADJUSTMENT

- (1) Turn off the power supply. Using a 10Ω, 5W resistor, shortcircuit both ends of power supply capacitors (C901, C902, 4700μF) in order to discharge the voltage.
- (2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 110V/127V/220V/240V.

Power supply voltage		AC110V	AC127V	AC220V	AC240V
Consumed current	50Hz	130 ~ 290mA	120 ~ 260mA	65 ~ 145mA	60 ~ 140mA
	60Hz	120 ~ 260mA	110 ~ 250mA	60 ~ 140mA	50 ~ 130mA



- The power supply for this unit varies depending upon the areas. Also, the parts used for power supply are different. So, refer to the circuit diagram and replacement parts list.
- * [XA] area is provided with voltage selector and AC outlets.
- * 240V (50/60Hz) for Australia and United Kingdom.
- * 220V (50/60Hz) for Continental Europe.
- * 110V/127V/220V/240V (50/60Hz) for other [XA] area.
- * Phono input capacitance is about 150pF.

■ DISASSEMBLY INSTRUCTIONS

Ref. No. 1	How to remove the main P.C.B.	
Procedure 1	1. Remove the cabinet. 2. Remove the 3 screws (❶ ~ ❸). 3. Remove the 5 screws (❹ ~ ❸).	
Ref. No. 2	How to remove the Power IC	
Procedure 1 → 2	1. Remove the 2 screws (❶ , ❷). 2. Remove the sub heat-sink. 3. Unsolder the power IC. 4. Remove the 4 screws (❸ , ❹).	• When mounting the power IC, apply silicon thermal compound (SZZ0L15 or equivalent) to the rear of the power IC.
Ref. No. 3	How to remove the front panel	
Procedure 3	1. Remove the cabinet. 2. Remove the 3 screws (❶ ~ ❸). 3. Remove the 4 nuts (❹ ~ ❷). 4. Remove the connector (J401, J801). 5. Remove the front panel in the direction of the arrow.	

Ref. No. 4	How to remove the P.C.B.	
Procedure 3 → 4		1. Remove the 3 screws (❶ ~ ❸). 2. Remove the muting switch, selector LED P.C.B. and operation LED P.C.B. 3. Remove the 4 tabs (❹ ~ ❷). 4. Remove the volume P.C.B. and headphones P.C.B.

• Terminal guide of transistors, diodes and IC's

AN6552F 8pin AN6558F 8pin 	SVI3102 14pin 	M5218L M5220L 	2SK381
2SC3311 	MA165 1SR35200 SVDS2V20 	MA4068M MA4075M 	LN846RP LN446YP
			LN863RC LN463YC

RESISTORS & CAPACITORS

- Notes:**
- Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
 - Important safety notice:
Components identified by Δ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
 - Bracketed indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.

Numbering System of Resistor

Example

ERD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value

Numbering System of Capacitor

Example

ECKD	1H	103	Z	F
Type	Voltage	Value	Tolerance	Peculiarity

ECEA	50	M	R47	R
Type	Voltage	Peculiarity use	Value	Special use

Resistor Type	Wattage	Tolerance
ERD : Carbon	25 : 1/4W	J : $\pm 5\%$
ERX : Metal film	S1 : 1/2W S2 : 1/4W	K : $\pm 10\%$

Capacitor Type	Voltage		Tolerance
	ECEA Type	Other	
ECEA : Electrolytic	0J : 6.3V	1H : 50V DC	J : $\pm 5\%$
ECCD : Ceramic	1C : 16V		K : $\pm 10\%$
ECKD : Ceramic	1E : 25V		Z : +80%, -20%
ECQM : Polyester	1H : 50V		P : +100%, -0%
ECFT : Semiconductor	42 : 42V		
ECET : Electrolytic			

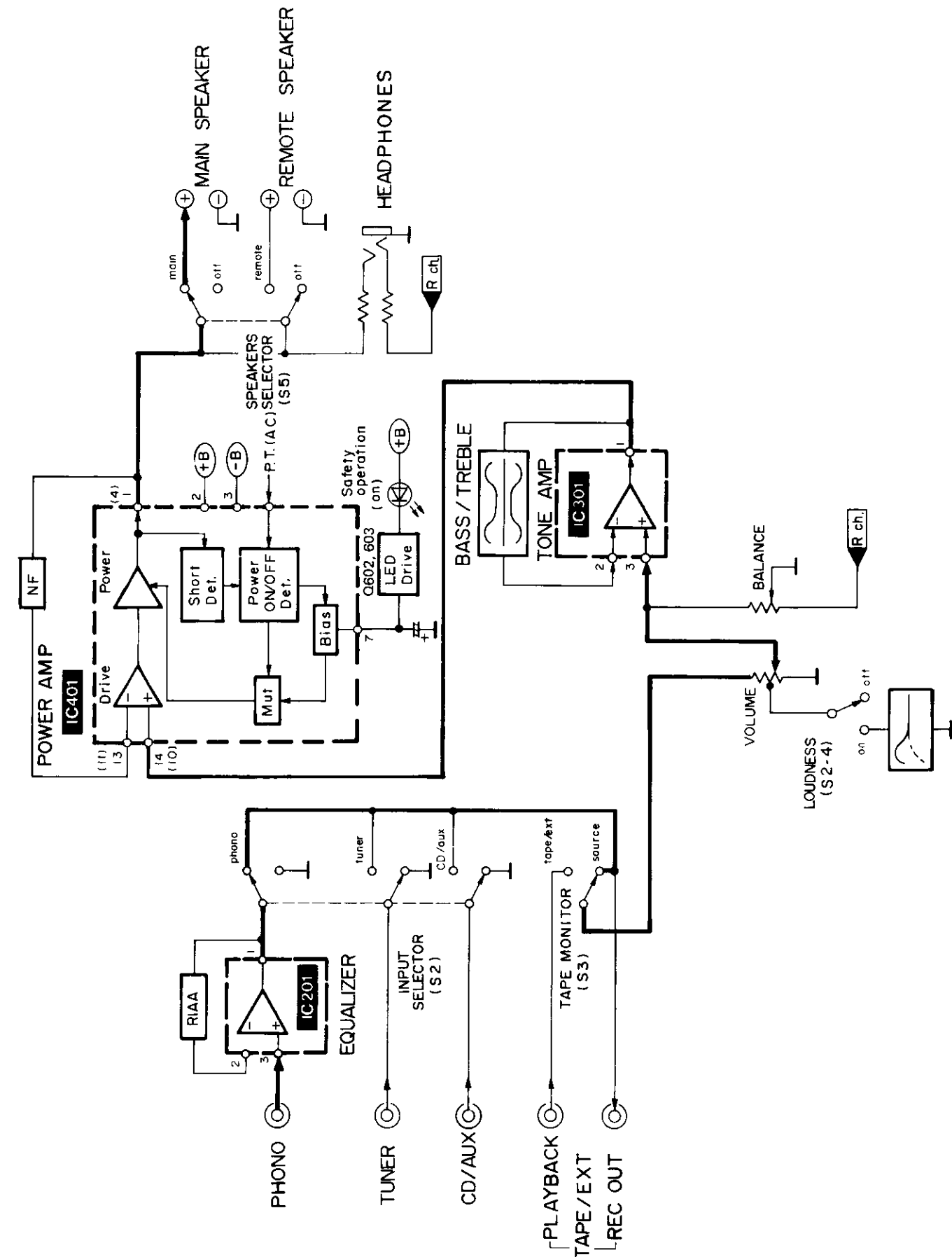
Resistor

Ref. No.	Part No.	Value	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value
R101, 102	ERDS2TJ471	470	R213, 214	ERDS2TJ563	56K	R325, 326	ERDS2TJ392	3.9K	R602	ERDS2TJ221	220
[EG only]			R215, 216	ERDS2TJ561	560	R401, 402	ERDS2TJ222	2.2K	R603	ERDS2TJ680	68
R103, 104	ERDS2TJ471	470	R301, 302	ERDS2TJ222	2.2K	R403, 404	ERDS2TJ393	39K	R611	ERDS2TJ824	820K
[EG only]			R303, 304	ERDS2TJ123	12K	R405, 406	ERDS2TJ272	2.7K	R612	ERDS2TJ564	560K
R105, 106	ERDS2TJ471	470	R307, 308	ERDS2TJ563	56K	R407, 408	ERDS2TJ393	39K	R613	ERDS2TJ563	56K
[EG only]			R309, 310	ERDS2TJ474	470K	R409, 410	Δ ERD25FJ4R7	4.7			
R107, 108	ERDS2TJ471	470	R311, 312	ERDS2TJ474	470K	R411, 412	ERDS2TJ470	47	R801	ERDS2TJ561	560
[EG only]			R313, 314	ERDS2TJ183	18K	R413, 414	ERG1ANJ331	330	R802	ERDS2TJ471	470
R201, 202	ERDS2TJ391	390	R315, 316	ERDS2TJ332	3.3K	R415, 416	ERDS2TJ561	560	R901	ERG2ANJ391	390
R203, 204	ERDS2TJ224	220K	R317, 318	ERDS2TJ821	820	[EG only]			R902	ERG2ANJ331	330
R205, 206	ERDS2TJ563	56K				R504	ERDS2TJ564	560K	R903	ERG2ANJ391	390
R207, 208	ERDS2TJ271	270				R505	ERDS2TJ154	150K	R904	ERG2ANJ331	330
R209, 210	ERDS2TJ184	180K				R601	ERDS2TJ561	560			
R211, 212	ERDS2TJ123	12K	R319, 320	ERDS2TJ821	820						
			R321, 322	ERDS2TJ333	33K						
			R323, 324	ERDS2TJ822	8.2K						

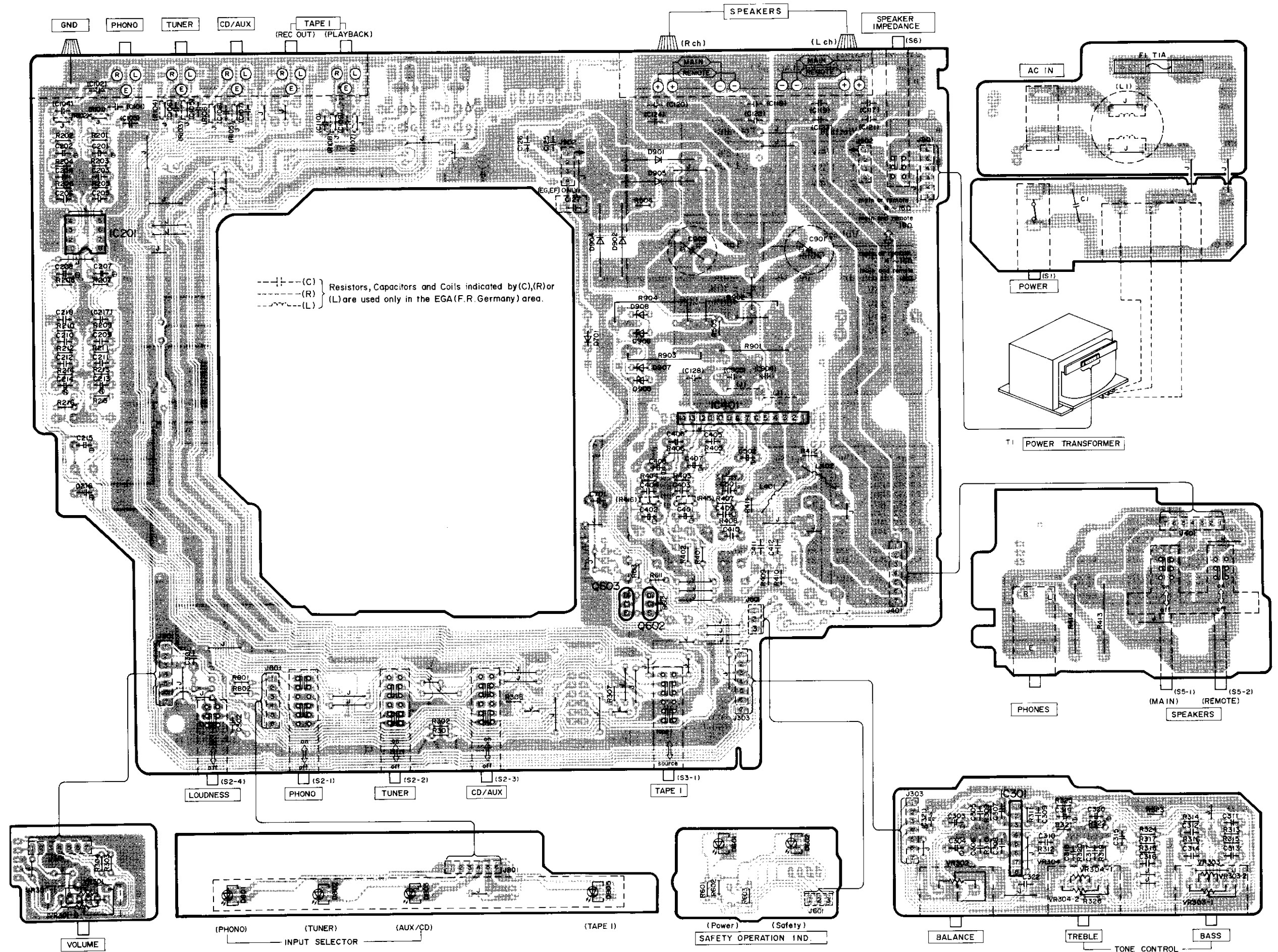
Capacitor

Ref. No.	Part No.	Value	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value
C1	Δ ECKDKC103PF2	0.01	C125, 126	ECQM1H823JZ	0.082	C215, 216	ECEA1CU101	100	C403, 404	ECKD1H391KB	390P
C101, 102	ECCD1H180K	18P	[EG, EF only]			C217	ECKD1H103ZF	0.01	C405, 406	ECKD1H102KB	0.001
[EG only]			C125, 126	ECKD1H223ZF	0.022	[EG only]					
C103, 104	ECCD1H151K	150P	[other]			C218	ECKD1H103ZF	0.01	C407, 408	ECEA1CU220	22
[EG only]			C127	ECKD1H103ZF	0.01	C301, 302	ECFTD333KXL	0.033	C409, 410	ECCD1H120K	12P
C105, 106	ECCD1H151K	150P	[EG, EF only]			C303, 304	ECEA1EU3R3	3.3	C411, 412	ECKD1H473ZF	0.047
[EG only]			C128	ECKD1H103ZF	0.01	C305, 306	ECCD1H151K	150P	C501	ECKD1H473ZF	0.047
C107, 108	ECCD1H151K	150P	[EG only]			C307, 308	ECKD1H331KB	330P	C502	ECEA0JU330	33
[EG only]			C201, 202	ECEA1EU3R3	3.3	C309, 310	ECCD1H390K	39P	C606	ECEA1EU4R7	4.7
C109, 110	ECCD1H151K	150P	C203, 204	ECCD1H101K	100P				C701	ECEA1CU471	470
[EG only]			C205, 206	ECKD1H102KB	0.001				C901, 902	ECES1HU472M	4700
C117, 118	ECKD1H271KB	270P	[EG only]			C311, 312	ECFTD123KXL	0.012			
[EG only]			C205, 206	ECKD1H471KB	470P	C313, 314	ECFTD683KXL	0.068			
C119, 120	ECKD1H271KB	270P	[other]			C315, 316	ECFTD562KXL	0.056			
[EG only]			C207, 208	ECEA0JU330	33	C317, 318	ECFTD273KXL	0.027			
C121, 122	ECKD1H223ZF	0.022	C209, 210	ECFTD223KXL	0.022	C319, 320	ECEA1CU100	10			
[EG only]						C321	ECKD1H103ZF	0.01			
C123, 124	ECKD1H223ZF	0.022				[EG only]					
[EG only]			C211, 212	ECFTD682KXL	0.068	C322	ECKD1H103ZF	0.01			
			C213, 214	ECEA1HN010S	1	C401, 402	ECEA1EU3R3	3.3			

BLOCK DIAGRAM



PRINTED CIRCUIT BOARDS



REPLACEMENT PARTS LIST

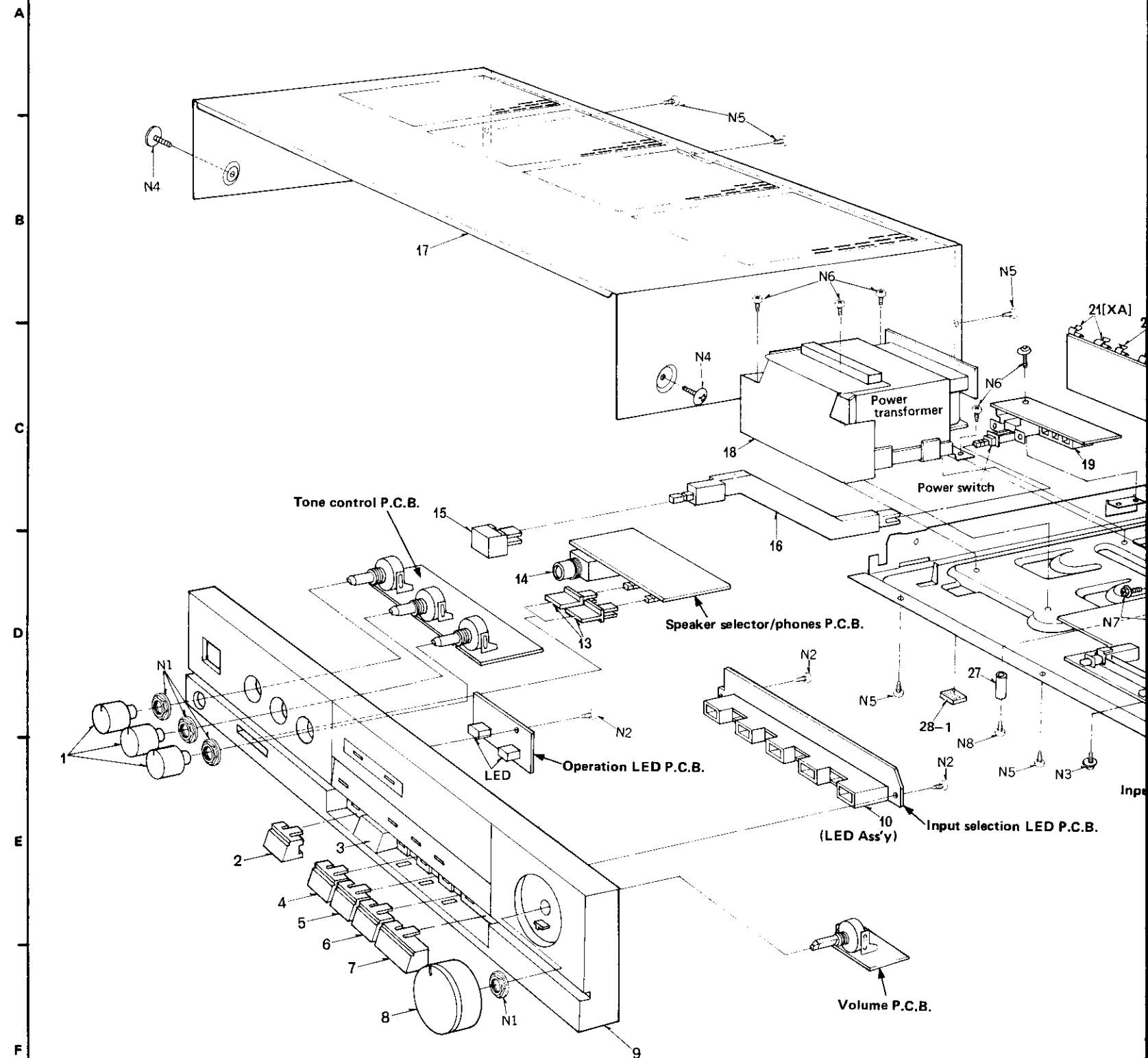
Notes:

1. Part numbers are indicated on most mechanical parts. Please use this part number for parts order.
2. Important safety notice: Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. $\otimes$ -marked parts are used for black only, while $\circ$ -marked parts are for silver type only.
4. Part other than $\otimes$ - and $\circ$ -marked are used for both black and silver type.
5. Bracketed indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.
6. The parenthesized numbers in the column of description stand for the quantity per set.

Area	
[E]	... Continental Europe
[EG]	... F.R. Germany
[EK]	... United Kingdom
[EF]	... France
[EH]	... Holland
[EB]	... Belgium
[Ei]	... Italy
[XL]	... Australia
[XA]	... Asia, Latin America, Africa, Middle Near East and Oceania

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
INTEGRATED CIRCUITS			CABINET AND CHASSIS			SCREWS		
IC201[EG]	AN6558F	IC, Equalizer	1	$\circ$ SBN1032-2	Knob, Tone (3)	N1	SNE4021	Nut (4)
IC201[other]	AN6552F	IC, Equalizer	1	$\otimes$ SBN1032-4	Knob, Tone (3)	N2	XTB3+8G	Tapping, $\oplus$ 3x8 (4)
IC301[EG]	M5220L	IC, Tone Amp.	2	$\circ$ SBC839-1E	Button, Tape (1)	N3	XTW3+8T	Tapping, $\oplus$ 3x8 (1)
IC301[other]	M5218L	IC, Tone Amp.	2	$\otimes$ SBC839E	Button, Tape (1)	N4	$\circ$ SNE2095-4	Cabinet (2)
IC401	SV13102	IC, Power	3	$\circ$ SGX9025-1	Ornament (1)	N4	$\otimes$ SNE2095-5	Cabinet (2)
TRANSISTORS			3	$\otimes$ SGX9025	Ornament (1)	N5	XTB53+8JFZ1	Tapping, $\oplus$ 3x8 (11)
Q602	2SK381D	LED Drive	4	$\circ$ SBC839-1C	Button, CD/AUX (1)	N6	XTB3+6FFZ	Tapping, $\oplus$ 3x6 (9)
Q603	2SC3311-Q	LED Drive	4	$\otimes$ SBC839C	Button, CD/AUX (1)	N7	SNE2126	Power IC (2)
DIODES			5	$\circ$ SBC839-1B	Button, Tuner (1)	N8	XTB3+16J	Tapping, $\oplus$ 3x16 (1)
D601	LN46RP	L.E.D.	5	$\otimes$ SBC839B	Button, Tuner (1)	N9[XA]	SNE2095-5	Voltage Selector (1)
D602	LN46YP	L.E.D.	6	$\circ$ SBC839-1A	Button, Phono (1)	ACCESSORIES		
D701	1SR35200	Diode	6	$\otimes$ SBC839A	Button, Phono (1)	A1[EK]	Δ SFDAC05G02	AC Cord (1)
D801-803	LN863RCPP	L.E.D.	7	$\circ$ SBC840-1A	Button, Loudness (1)	A1[XL]	Δ SJA173	AC Cord (1)
D805	LN463YCPP	L.E.D.	7	$\otimes$ SBC840A	Button, Loudness (1)	A1[XA]	Δ SJA168-1	AC Cord (1)
D901-904	SVDS2V20	Diode	8	$\circ$ SBN1125	Knob, Volume (1)	A1[other]	Δ SJA171	AC Cord (1)
D905, 906	MA4068M	Diode	8	$\otimes$ SBN1125-2	Knob, Volume (1)	A2[XA]	Δ SJP9215	Plug Adaptor (1)
D907, 908	MA4075M	Diode	9	$\circ$ SYU500SE	Front Panel Ass'y (1)	A3[EG]	SQF12746	Instruction Book (1)
COILS			9	$\otimes$ SYU500KE	Front Panel Ass'y (1)	A3[EK]	SQF12747	Instruction Book (1)
L1[EG]	Δ SLQZ650MH49	Coil	10	LN041330P	LED Ass'y (1)	A3[XA]	SQF12748	Instruction Book (1)
L401, 402	SLQY07G-40	Coil	13	$\circ$ SBC315-4T	Button, Speaker (2)	A3[other]	SQF12745	Instruction Book (1)
TRANSFORMERS			13	$\otimes$ SBC315-7	Button, Speaker (2)	PACKING		
T1[XA]	Δ SLT5M480-W	Power	14	SJ134B	Headphone Jack (1)	P1[EK]	$\circ$ SPG5674	Carton Box (1)
T1[EK, XL]	Δ SLT5M479-W	Power	15	$\circ$ SBC666	Button, Power (1)	P1[EK]	$\otimes$ SPG5673	Carton Box (1)
T1[other]	Δ SLT5M478-W	Power	15	$\otimes$ SBC666-4	Button, Power (1)	P1[EF]	$\circ$ SPG5675	Carton Box (1)
VARIABLE RESISTORS			15	$\otimes$ SBC666-4	Button, Power (1)	P1[other]	$\circ$ SPG5672	Carton Box (1)
VR301	EWCUAF20B15	Volume, 100K Ω (B)	16	SUB257	Connection Rod, Power Switch (1)	P1[other]	$\otimes$ SPG5671	Carton Box (1)
VR302	EWHF5AF20C15	Balance, 100K Ω (G)	17[EK]	$\circ$ SKCU700-SK	Cabinet (1)	P2	SPS4748	Pad, Left (1)
VR303, 304	FWCS6A020C15	Tone, 100K Ω (C)	17[other]	$\circ$ SKC1550S1	Cabinet (1)	P3	SPS4749	Pad, Right (1)
FUSES			17[other]	$\otimes$ SKCU700-KK	Cabinet (1)	P4	SPS4141	Pad, Upper (1)
F1[EK]	Δ XBA2C08TB0	250V, T0.8A	18	SMCU500-KE	Shield Cover (1)	P5	$\circ$ SPP699	Polyethylene Bag (1)
F1[XL, XA]	Δ XBA2C08TR0	250V, T0.8A	19[XA]	SJS702	Socket, 7Pin (1)	P5	$\otimes$ SPP735	Polyethylene Bag (1)
F1[other]	Δ XBA2C10TR0	250V, T1A	19[other]	SJS305	Socket, 3Pin (1)	P6[EF]	SGK1413	Label (2)
F2[XA]	Δ XBA2C16TR0	250V, T1.6A	20	SJT388	Fuse, Holder (2)			
SWITCHES			21[XA]	Δ SJS9234B	AC Inlet (1)			
S1[XA]	Δ ESB8248V	Power	22[XL]	Δ SJS9231B	AC Inlet (1)			
S1[other]	Δ ESB8249V	Power	22[other]	Δ SJS9231B	AC Inlet (1)			
S2, 3	SSH578	Input Selector	23[XA]	Δ SJS9232B	AC Outlet (2)			
S5	SSH2122	Speaker Selector	24	SHW35K150-1	Spacer (1)			
S6	SSH1193-1	Speaker Impedance Selector	25	SJF4818-1	Speaker Terminal (1)			
S7[XA]	Δ ESE37263	Voltage Selector	26	SBC165	Button, Impedance Selector (1)			
			27	SUD472	PCB Holder (1)			
			28	SKUU700-KE	Bottom Board (1)			
			28-1	SKL293	Foot (4)			
			29	SJF3062-1NK1	Input Terminal (1)			
			30[E]	SGP6840A	Rear Panel (1)			
			30[EG]	SGP6840B	Rear Panel (1)			
			30[EK]	SGP6840C	Rear Panel (1)			
			30[XL]	SGP6840D	Rear Panel (1)			
			30[XA]	SGP6840-1A	Rear Panel (1)			
			30[other]	SGPU500-KF	Rear Panel (1)			
			31[XA]	SJS9232A	AC Outlet Cover (2)			
			32[XL]	SJS9234A	AC Inlet Cover (1)			
			32[other]	SJS9231A	AC Inlet Cover (1)			
			33	SMX879	Insulation Cover (1)			
			34[XA]	SMX884	Insulation Cover (1)			
			35	SHR301	Cord Clamper (1)			
			36	SJT30643-V	Socket, 6Pin (2)			
			36	SJT30743-V	Socket, 7Pin (1)			

EXPLODED VIEW



EXPLODED VIEW

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Description	
Nut	(4)
Tapping, $\oplus$ 3x8	(4)
Tapping, $\oplus$ 3x8	(1)
Cabinet	(2)
Cabinet	(2)
Tapping, $\oplus$ 3x8	(11)
Tapping, $\oplus$ 3x6	(9)
Power IC	(2)
Tapping, $\oplus$ 3x16	(1)
Voltage Selector	(1)

AC Cord	(1)
AC Cord	(1)
AC Cord	(1)
AC Cord	(1)
Plug Adaptor	(1)
Instruction Book	(1)
Instruction Book	(1)
Instruction Book	(1)
Instruction Book	(1)

Carton Box	(1)
Carton Box	(1)
Carton Box	(1)
Carton Box	(1)
Carton Box	(1)
Pad, Left	(1)
Pad, Right	(1)
Pad, Upper	(1)
Polyethylene Bag	(1)
Polyethylene Bag	(1)
Label	(2)

