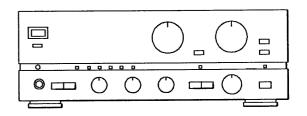
aıwa

XA - 950



STEREO INTEGRATED AMPLIFIER

TYPE. E,K,Z

SPECIFICATIONS

General

Power requirements

XA-950E, Z 230V AC, 50 Hz XA-950K

240V AC, 50 Hz

Power consumption 300 W

Power amplifier

Effective output power 150 W+150 W

(4 ohms, T.H.D. 0.9%, i kHz) 100 W+100 W (8 ohms, T.H.D. 0.9%,

1 kHz) **Total harmonic distortion**

0.005%

(20 Hz-20 kHz, 75 W,

8 ohms)

Output bandwidth

5 Hz-70 kHz (less than 0.05%) (Both channels driven,

8 ohms) Frequency response

5 Hz-150 kHz (+0 dB)

Preamplifier

S/N ratio

IHF A curve short circuited PHONO : MM 95 dB

(5 mV input) 75 dB : MC

(0.5 mV input) TUNER, CD, VIDEO/AUX, TAPE 1, TAPE 2/DAT, ADAPTOR: 110 dB

Input jacks

(Sensitivity/input impedance)

PHONO : MM

2.5 mV/47k ohms : MC

0.2 mV/100 ohms

TUNER, CD VIDEO/AUX, TAPE 1, TAPE 2/DAT,

ADAPTOR: 150 mV/47k ohms

PHONO overload level

130 mV (MM) (1 kHz, T.H.D 0.01%)

Output jacks

(Level/output impedance)
TAPE 1, TAPE 2/DAT, ADAPTOR: 150 mV/47k ohms Headphones: 8-32 ohms Speakers: 4-16 ohms (A+B: 8-16 ohms)

±0.5 dB (30 Hz-15 kHz)

RIAA deviation SUBSONIC filter

16 Hz 12 dB/Oct

Maximum dimensions

(w/h/d) $430\times140\times340~\text{mm}$

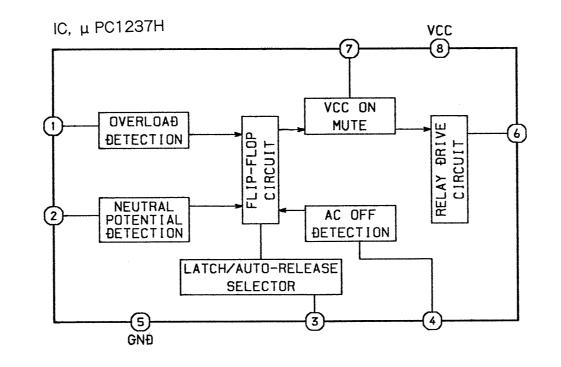
 $(17 \times 5^{5/8} \times 13^{1/2} \text{ inches})$ 10.5 kg (23.1 lbs) Weight

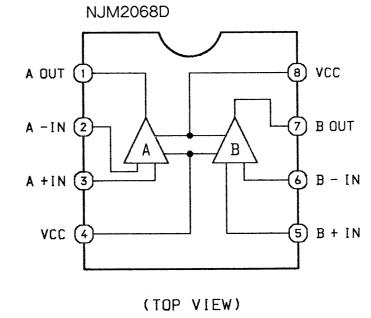
Design and specifications are subject to change without notice.

- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
- Under license from BBE Sound, Inc.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
III IC	87-002-669-010 87-020-738-019 82-AA1-645-110	IC, GP1U-571X(SENSOR) IC, LB1630 IC, LC6527H-4989	C133 C134 C135 C136	★87-018-100-089 ★87-018-100-089 ★87-018-217-089 ★87-018-217-089	CAP, CERA-SOL U 4. 7P-50 SL CAP, CERA-SOL U 4. 7P-50 SL CAP, CERA-SOL U 3300P-50C (Z) CAP, CERA-SOL U 3300P-50C (Z)
	87-001-171-019 87-001-536-019 87-027-787-010	IC, NJM2068D IC, NJM78M05FA IC, UPC1237H	C137 C138 C139 C140	★87-018-217-089 ★87-018-217-089 ★87-018-131-089 ★87-018-131-089	CAP, CERA-SOL U 3300P-50C(Z) CAP, CERA-SOL U 3300P-50C(Z) CAP, CERA-SOL U 1000P-50 B(Z) CAP, CERA-SOL U 1000P-50 B(Z)
III TRA	NSISTOR ===		C141 C142	★87-018-131-089 ★87-018-131-089	CAP, CERA-SOL U 1000P-50 B(Z) CAP, CERA-SOL U 1000P-50 B(Z)
89-503-696-080 89-109-705-089 89-110-155-089 89-112-162-310		FET, 2SK369 (BL) TRANSISTOR, 2SA970 (GR) TRANSISTOR, 2SA1015 (GR) TRANSISTOR, 2SA1216 (P/Y)	C143 C144 C145	★87-018-133-089 ★87-018-133-089 ★87-010-401-089	CAP, CERA-SOL U 4700P-16 X(Z) CAP, CERA-SOL U 4700P-16 X(Z) CAP, ELECT 1-50 SME
	89-112-201-210	TRANSISTOR, 2SA1220A (R/Q)	C146 C152	★87-010-401-089 ★87-010-401-089	CAP, ELECT 1-50 SME CAP, ELECT 1-50 SME CAP, ELECT 1-50 SME
	89-113-603-410 89-213-302-089 89-318-155-089	TRANSISTOR, 2SA1360 (O, Y) TRANSISTOR, 2SB1330 (Q) TRANSISTOR, 2SC1815 (GR)	C153 C155	★87-010-762-089 ★87-010-405-089	CAP, ELECT, 220-10V BP CAP, ELECT 10-50 SME
	89-322-405-089 89-326-821-210 89-326-901-210	TRANSISTOR, 2SC2240 (GR) TRANSISTOR, 2SC2682 (Q/P) TRANSISTOR, 2SC2690A (R/Q)	C156 C157 C158	★87-010-260-089 ★87-010-260-089 ★87-010-260-089	CAP, ELECT 47-25 SME CAP, ELECT 47-25 SME CAP, ELECT 47-25 SME
	89-329-222-310 89-333-296-089 89-334-194-010	TRANSISTOR, 2SC2922 (P/Y) TRANSISTOR, 2SC3329 (BL) TRANSISTOR, 2SC3419 (Y)	C159 C160 C161 C162	★87-010-260-089 ★87-010-260-089 ★87-010-260-089	CAP, ELECT 47-25 SME CAP, ELECT 47-25 SME CAP, ELECT 47-25 SME
	89-420-062-089	TRANSISTOR, 2SD2006 (Q)	C162	★87-010-260-089 ★87-010-397-099	CAP, ELECT 47-25 SME CAP, ELECT 1000-35
=== DIO	87-020-123-089	DIODE DS446-AT (TA)	C164 C165 C166	★87-010-397-099 ★82-AA1-631-010 ★82-AA1-631-010	CAP, ELECT 1000-35 CAP, ELECT 12000-63 CAP, ELECT 12000-63
	87-001-783-089 87-020-110-089 87-027-788-010	DIODE, 1N4002-T DIODE, 1SS177 DIODE, D5FB20	C171 FR1	★87-010-384-089 ★87-029-130-090	CAP, ELECT 100-25 SME RES, FUSE 220-1W
	87-027-224-089 87-027-449-089	DIODE, ZENER 05Z12L DIODE, ZENER HZ15-3L	FR2 J102	★87-029-130-090 ★87-009-395-010	RES, FUSE 220-1W JACK, PIN 6P EARTH(INPUT)
=== MAIN CIRCUIT BOARD SECTION ===		J103 J104	★87-009-392-010 ★87-009-392-010	JACK, PIN 6P (TAPE 2/DAT, TAPE 1) JACK, PIN 6P (TAPE 1, ADAPTOR)	
C41 C42	★87-018-121-089 ★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	L1 L2	★87-005-158-019 ★87-005-158-019	COIL, 1UH COIL, 1UH
C43 C44	★87-018-121-089 ★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	R159 R160 R163	★87-022-326-089 ★87-022-326-089 ★87-025-479-089	RES, NF 56-1/4W J RES, NF 56-1/4W J RES, NF 100-1/4 WJ
C45 C46 C47	★87-018-121-089 ★87-018-121-089 ★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	R164	★87-025-479-089	RES, NF 100-1/4 WJ
C48	★ 87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z)	R165 R166 R173	★87-025-479-089 ★87-025-479-089 87-025-477-089	RES, NF 100-1/4 WJ RES, NF 100-1/4 WJ RES. NF 47-1/4W J
C49 C50 C51	★87-018-121-089 ★87-018-121-089 ★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	R174	87-025-477-089	RES, NF 47-1/4W J
C52	★ 87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	R175 R176 R179	87-025-477-089 87-025-477-089 ★81-AA3-619-010	RES, NF 47-1/4W J RES, NF 47-1/4W J RES, 0. 22-5WX2 MPC
C53 C54 C55	★87-018-121-089 ★87-018-121-089 ★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	R180	★81-AA3-619-010	RES, 0. 22-5WX2 MPC
C56	★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z)	R193 R194 R197	★87-025-487-089 ★87-025-487-089 ★87-025-347-090	RES, M/F 10-1W RES, M/F 10-1W RES, 10-2W
C57 C58	★87-018-121-089 ★87-018-121-089	CAP, CERA-SOL U 150P-50 B(Z) CAP, CERA-SOL U 150P-50 B(Z)	R198	★ 87-025-347-090	RES, 10-2W
C59 C101	★87-018-134-089 ★87-010-405-089	CAP, CERA-SOL U 0.01-16 Y CAP, ELECT 10-50 SME	R223 R224 R225	★87-025-471-089 ★87-025-471-089 ★87-025-471-089	RES, NF 4. 7-1/4WJ RES, NF 4. 7-1/4WJ RES, NF 4. 7-1/4WJ
C102 C103	★87-010-405-089 ★87-010-430-089	CAP, ELECT 10-50 SME CAP, ELECT 100-63	R226	★ 87-025-471-089	RES, NF 4. 7-1/4WJ
C104 C109	★87-010-430-089 ★87-010-430-089		R227 R228 R231	★87-025-484-089 ★87-025-484-089 ★87-025-467-089	RES, NF 680-1/4W J RES, NF 680-1/4W J RES. NF 1-1/4 WJ
C110 C111 C112	★87-010-430-089 ★87-010-263-089 ★87-010-263-089	CAP, ELECT 100-63 CAP, ELECT 100-10	R232	★ 87-025-467-089	RES, NF 1-1/4 WJ
C127	★ 87-018-131-089	CAP, ELECT 100-10 CAP, CERA-SOL U 1000P-50 B	RY1 RY2 RY3	★87-045-330-010 ★87-045-330-010 ★87-045-330-010	RELAY, RY-12WK RELAY, RY-12WK RELAY, RY-12WK
C128	★ 87-018-131-089	CAP, CERA-SOL U 1000P-50 B	RY4	★ 87-045-330-010	RELAY, RY-12WK





TRUTH TABLE

LB1630

IN1	IN2	OUT1	OUT2	MOTOR
Н	L	Н	L	FORWARÐ
L	Н	L	Н	REVERSE
Н	Н	OFF	OFF	STANĐBY
L	L	OFF	OFF	STANĐBY

								TRANSISTOR ILLUSTRATION
PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	

CAP, CERA-SOL U 100P-50 B(E, K)

CAP, CERA-SOL U 100P-50 B(E, K) CAP, CERA-SOL U 1000P-50 B

CAP, CERA-SOL U 1000P-50 B

CAP, CERA-SOL U 330P-50 B CAP, CERA-SOL U 330P-50 B

CAP, CERA-SOL U 330P-50 B(Z)

CAP, CERA-SOL U 330P-50 B(Z)

CAP, CERA-SOL U 39P-50 SL

CAP, CERA-SOL U 39P-50 SL

CAP, CERA-SOL U 3300P-16 X

CAP, CERA-SOL U 3300P-16 X

CAP, ELECT 330-6.3 SME CAP, ELECT 330-6.3 SME CAP, ELECT 4.7-50 SME

CAP, CERA-SOL U 3900P-16X

CAP, CERA-SOL U 3900P-16X

CAP CERA-SOL U 150P-50 B

CAP, CERA-SOL U 150P-50 B

CAP, CERA-SOL U 0. 01-16 Y

CAP, ELECT 4.7-50 SME

CAP, ELECT 4.7-50 SME

CAP, ELECT 47-25 SME

CAP, ELECT 47-25 SME CAP, ELECT 330-16 SME CAP, ELECT 330-16 SME

CAP, ELECT 47-25 SME

CAP, ELECT 47-25 SME

CAP, ELECT 47-25 SME CAP, ELECT 47-25 SME

COIL 220UH LALO3(Z)

COIL 220UH LALO3(Z)

COIL 220UH LALO3(Z)

SW, PUSH (CARTRIDGE)

87-002-819-080 LED, SLR-56VR (ADAPTOR TAPE MONITOR)

JACK, PIN 2P H EARTH (PHONO INPUT)

82-AA1-608-018 PT, E(E, Z) 82-AA1-609-018 PT, K (K) === P. S. CIRCUIT BOARD SECTION ===

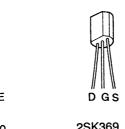
★87-019-112-019 CAP, SG 0.01 E

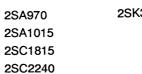
87-036-234-010 SW, PUSH (POWER) ∆S1

=== OUTLET(E, K, Z ONLY) CIRCUIT BOARD SECTION === **★**87-009-932-010 OUTLET, AC E (AC OUTLET) (E, Z) OUTLET, AC K-N (AC OUTLET) (K) ∆J8 ∆J9 **★**87-009-933-010 **★**87-009-932-010 OUTLET. AC E (AC OUTLET) (E, Z **★**87-009-933-010 OUTLET, AC K-N (AC OUTLET) (K)

=== MISCELLANEOUS ===

★87-034-592-018 AC CORD (BS) (K) **★**87-034-781-018 AC CORD(E) (E, Z) **★**87-085-185-010 BUSHING, AC CORD E

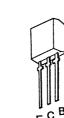




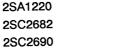
2SC3329

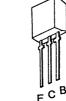


2SK369



E C B





2SA1216 2SC2922

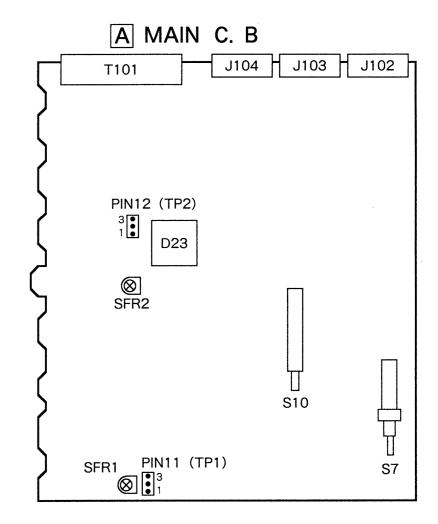
2SB1330 2SD2006

IC DESCRIPTION

IC, LC6527H - 4989

Pin No	o. Pin Name	I/0	Description
1	OSC1	_	SYSTEM clock oscillator signal.
	OSCI .		Clock frequency is 4MHz.
2	TEST	-	LSI TEST mode setting. Connected to VSS
3	VSS	I	Connected to ground
4	RES	I	SYSTEM reset input
5	PA0	_	Power on detection signal
6	PA1	I	ENCODER A signal input. (active: Hi)
7	PA2	I	ENCODER B signal input. (active: Hi)
8	PA3	I	REMOCON signal input.
9	VDD	_	Power supply. (connected to +5V)
10	PC0	0	VOLUME UP signal output. (active: Hi)
11	PC1	0	VOLUME DOWN signal output. (active: Hi)
12	PC2	0	RELAY, LED driver output. (active: Hi)
13	PC3	0	RELAY, LED driver output. (active : Hi)
14	PD0	0	RELAY, LED driver output. (active : Hi)
15	PD1	0	RELAY, LED driver output. (active: Hi)
16	PD2	0	RELAY, LED driver output. (active: Hi)
17	PD3	0	RELAY, LED driver output. (active: Hi)
18	OSC2	_	SYSTEM clock oscillator signal

ADJUSTMENT



IDLING CURRENT ADJUSTMENT

Settings: • Test Points: TP1 (PIN11, Lch) TP2 (PIN12, Rch)

> · Adjustment Locations : SFR1 (Lch) SFR2 (Rch)

Method: Connect the voltmeter at TP1, TP2 (side: 1, \bigcirc side: 3) and adjust so that the voltage is

8.0mV.

★87-002-819-080 LED, SLR-56VR(VIDEO/AUX) \pm 87-002-819-080 LED, SLR-56VR(TAPE2 \rightarrow 1) ★87-002-819-080 LED, SLR-56VR(TAPE1→2) ★87-002-819-080 LED, SLR-56VR (POWER) 87-025-478-089 RES, NF 68-1/4W J ★82-AA1-634-010 SW, PUSH (MUTING)
★82-AA1-635-010 SW, PUSH (LOUDNESS/SOURCE DIRECT)
★82-AA1-640-010 VR, 100K (M. N) (BALANCE)
▼82-AA1-641-010 VR, 50K (C) C OPEN (TREBLE) VR2 ★82-AA1-642-010 VR. 50K(C) C SHORT(BASS) ★87-MX1-704-089 CERA LOCK (MU) 3. 9MHZ

★87-018-133-089 ★87-018-133-089 87-010-370-089

CAP, CERA-SOL U 4700P-16 X CAP, CERA-SOL U 4700P-16 X CAP, ELECT 330-6. 3 SME

★87-002-819-080 LED, SLR-56VR(PHONO) ★87-002-819-080 LED, SLR-56VR(TUNER)

★87-002-819-080 LED, SLR-56VR(CD)

★87-002-819-080 LED, SLR-56VR (SOURCE DIRECT)

REF. NO.

C62 C65

C66

C68 C69 C70

C83 C84

C88

C92

C203

LED4

★87-045-330-010

★87-045-330-010

★87-045-316-010

★87-045-339-010

★82-AA1-633-010

★82-AA1-618-010

★87-024-171-089 ★87-033-210-010

★87-033-222-010

=== FRONT CIRCUIT BOARD SECTION ===

★87-018-126-089

★87-010-401-089

★87-010-401-089

★87-018-109-089

★87-018-109-089 ★87-010-403-089

★87-010-403-089

★87-018-123-089

★87-018-123-089

★87-010-401-089 ★87-010-401-089

★87-010-260-089

★87-018-109-089

★87-018-109-089

★87-010-260-089

★87-010-260-089

★87-010-404-089

★87-010-404-089

★87-018-209-089

★87-018-209-089

★87-018-209-089

★87-010-370-089

★87-010-401-089

★87-010-401-089

★87-015-695-089

RELAY, RY-12WK

RELAY, RY-12WK

RELAY, VB-24SMBU-SP

RELAY, VB-24SMBU-SP

RELAY, RY24W K 24V

SFR. 4. 7K DIA6 V

SW, PUSH (ADAPTOR TAPE MONITOR)

TERMINAL, 8P SPKR (SPEAKERS) (K)

TERMINAL, 8P SPKR (SPEAKERS) (E, Z)

SW, ROTARY (REC SELECTOR)

CAP, CERA-SOL U 390P-50 B CAP, CERA-SOL U 390P-50 B CAP, ELECT 1-50 SME

CAP, CERA-SOL U 22P-50 S

CAP, CERA-SOL U 22P-50 SL CAP, ELECT 3. 3-50 SME

CAP, CERA-SOL U 220P-50 B

CAP, CERA-SOL U 220P-50 B

CAP, ELECT 22-25 SME

CAP, ELECT 22-25 SME

CAP, ELECT 1-50 SME CAP, ELECT 1-50 SME CAP, ELECT 47-25 SME

CAP, CERA-SOL U 22P-50 S

CAP, CERA-SOL U 22P-50 SL

CAP, ELECT 47-25 SME

CAP, ELECT 47-25 SME

CAP, ELECT 4.7-50 SME

CAP, ELECT 4.7-50 SME

CAP, CERA-SOL U 0.1-50

CAP, CERA-SOL U 0.1-50 F

CAP, CERA-SOL U 0.1-50

CAP, CERA-SOL U 0.1-50 F CAP, CERA-SOL U 0.1-50 F

CAP, CERA-SOL U 0.1-50 F

CAP, ELECT 1-50 SME CAP, ELECT 1-50 SME

CAP, ELECT 1-50 7L

CAP, ELECT 1-50 SME

=== P.T. CIRCUIT BOARD SECTION === △ 87-033-213-089 CLAMF FUSE SINK
C199 ★87-016-157-090 CAP, MYLER 0. 1-250
△F1 87-035-367-010 FUSE, 3. 15A 250V T E 87-033-213-089 CLAMP FUSE SMK

=== EQ CIRCUIT BOARD SECTION ===

★87-018-119-089

★87-018-119-089 **★**87-018-131-089

★87-018-131-089

★87-018-125-089

★87-018-125-089

★87-018-125-089

★87-018-114-089

★87-018-114-089

★87-010-370-089 ★87-010-370-089

★87-010-404-089

★87-010-404-089

★87-018-200-089

★87-018-200-089

★87-018-121-089

★87-018-121-089

★87-010-404-089

★87-010-404-089

★87-018-134-089

★87-010-260-089

★87-010-260-089 ★87-010-381-089 ★87-010-381-089

★87-010-260-089

★87-010-260-089

★87-010-260-089

★87-010-260-089

★87-009-610-019

87-005-154-089 87-005-154-089

87-005-154-089

★82-AA1-637-010

=== PHONES CIRCUIT BOARD SECTION ===

=== VOL. CIRCUIT BOARD SECTION ===

=== PULSE SW CIRCUIT BOARD SECTION ===

=== REMOTE CIRCUIT BOARD SECTION ===

=== LED CIRCUIT BOARD SECTION ===

★82-AA1-636-010 SW, PUSH(SUBSONIC)

J105 ★87-009-043-010 JACK, 6. 3 12. 5-11. 5 (PHONES) S2 ★82-AA1-632-010 SW, PUSH (SPEAKERS)

C167 ★87-010-382-089 CAP, ELECT 22-25 SME C168 ★87-010-382-089 CAP, ELECT 22-25 SME

87-005-235-080 COIL, 2. 7MMH

S11 \pm 82-AA1-638-010 SW, ROTARY (INPUT SELECTOR)

C13 C14

C23 C24 C29

C30

C31 C32 C33

C35

C36 C37

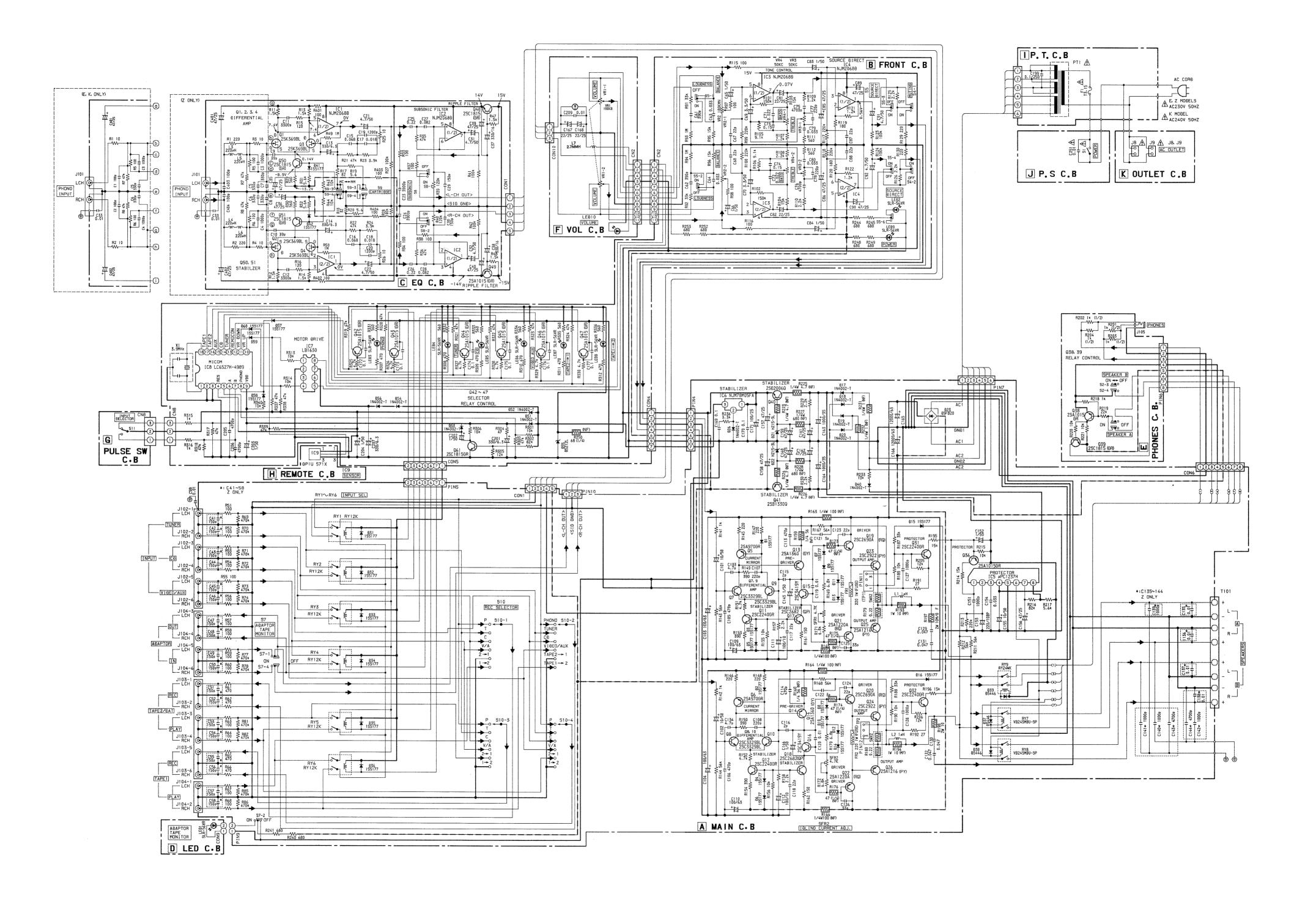
C39

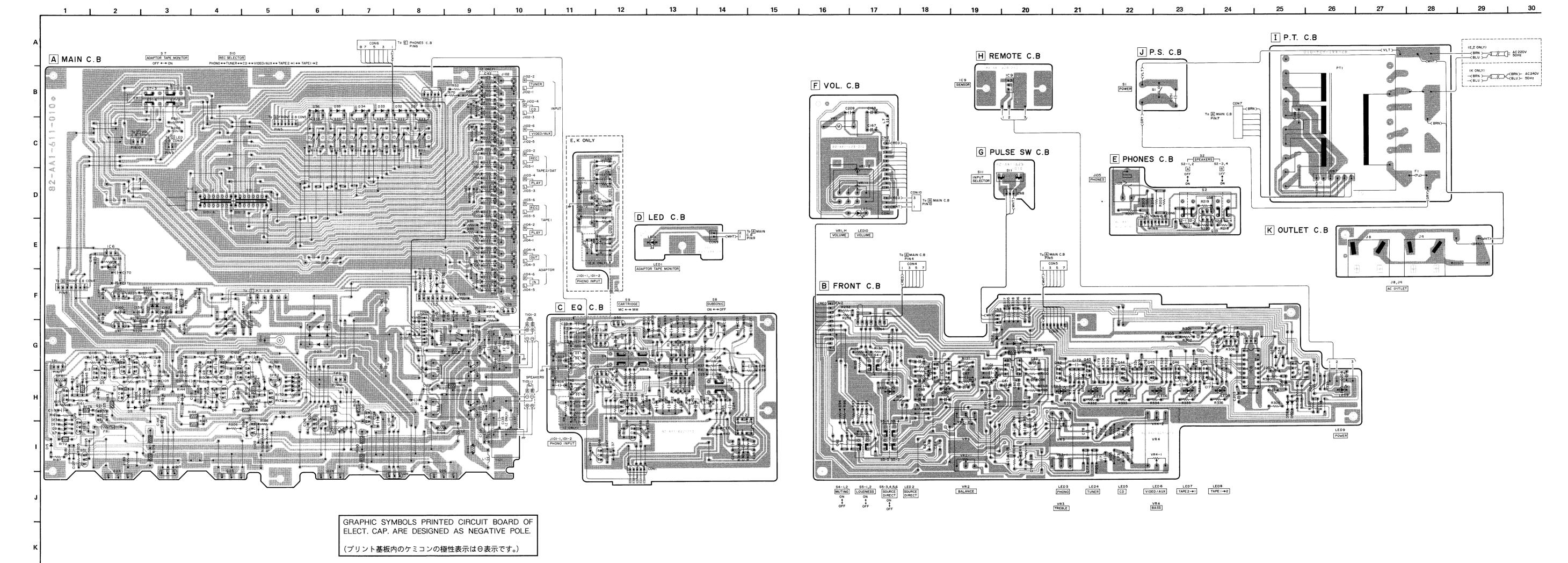
C401

C402

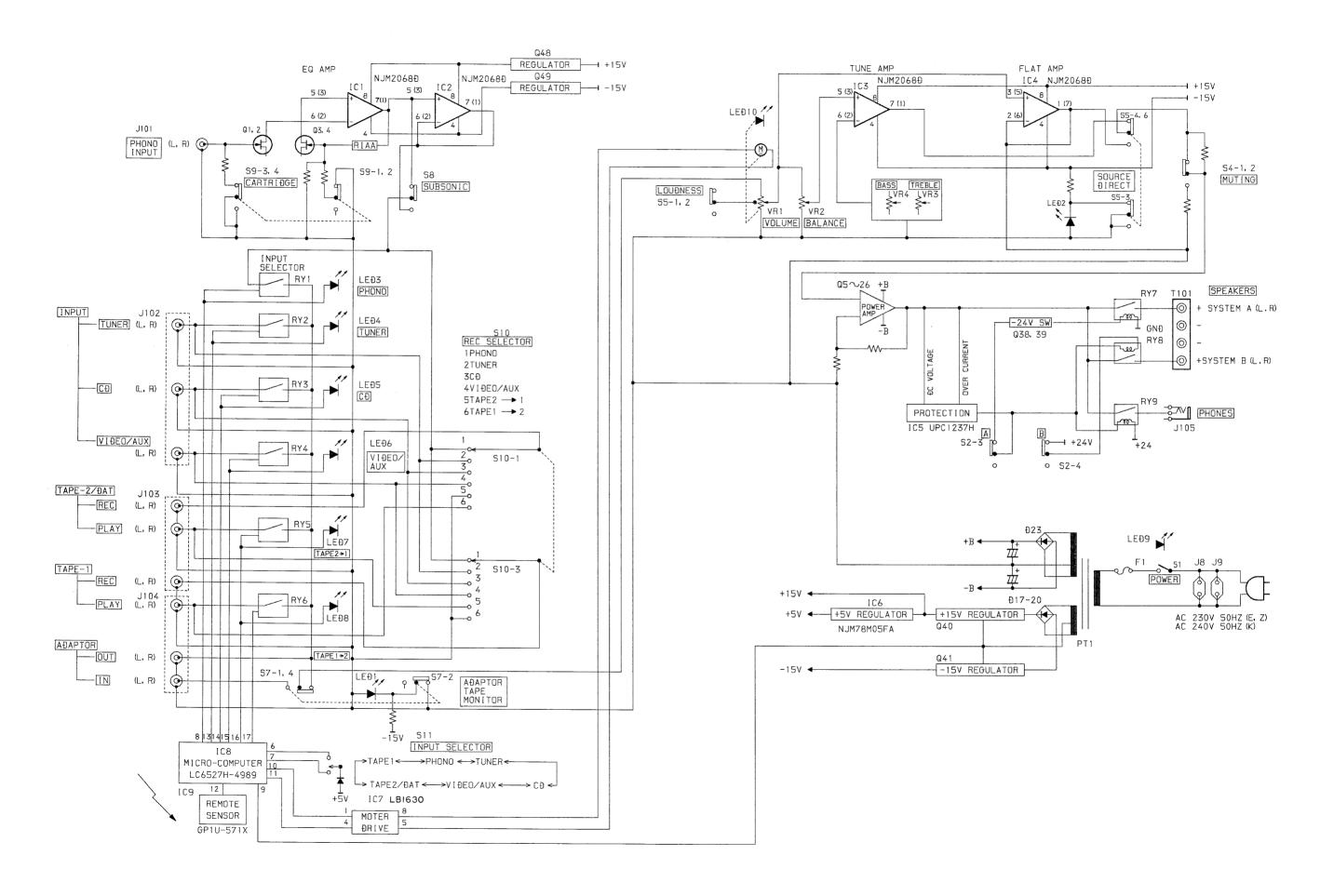
S9

VR1 ★82-AA1-639-010 VR, 100K(B) W/LED 10, MOTOR (VOLUME)

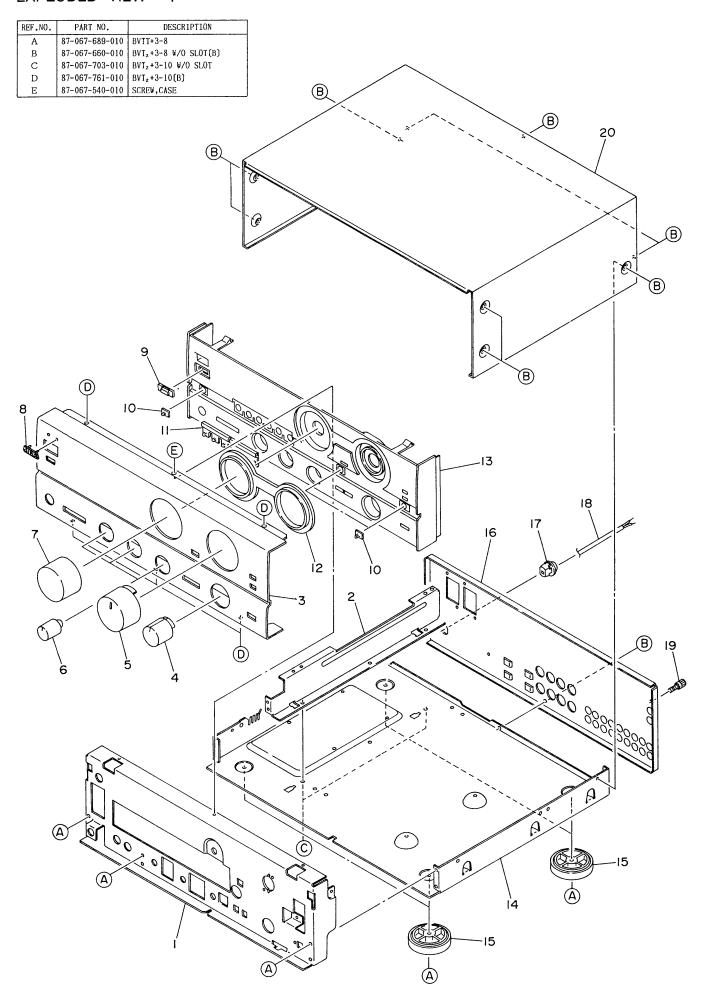




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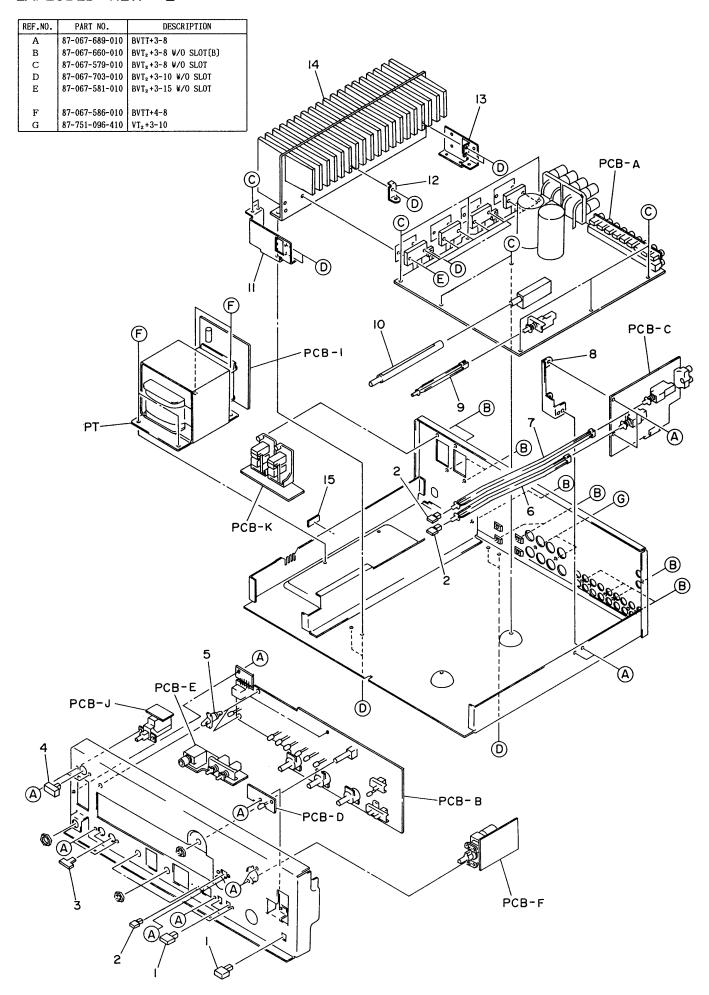
EXPLODED VIEW - 1



MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	C O M M O N M O D E L	Q, TY
	1-1 1-2 1-3 1-4 1-5	 ★82-AA1-004-010 ★82-AA1-012-010 ★82-AA1-009-010	CHASSIS, FRONT HOLDER, SIDE PANEL, FRONT KNOB REC SEL ASSY KNOB VOLUME ASSY	* * *	1 1 1 1 1
	1-6 1-7 1-8 1-9 1-10	★82-AA1-010-019 ★82-AA1-011-010 ★81-DS1-011-019 ★82-AA1-020-019 ★82-AA1-022-019	KNOB, BALANCE KNOB INPUT SEL ASSY BADGE, AIWA N WINDOW, RC POINTER, 1P	* * *	3 1 1 1 3
	1-11 1-12 1-13 1-14 1-15	★ 82-AA1-017-019 ★ 82-AA1-018-019 ★ 82-AA1-001-010 ★ 82-AA1-029-010	POINTER, 6P RING, VOLUME CABINET, FRONT CHASSIS, MAIN FOOT	* * *	1 1 1 1 4
	1-16 1-16 1-16 1-17 1-18	★ 82-AA1-006-019 ★ 82-AA1-007-019 ★ 82-AA1-008-019 ★ 87-085-185-010 ★ 87-034-781-010	PANEL, REAR(E) PANEL, REAR(K) PANEL, REAR(Z) BUSHING, AC CORD CORD, AC(E, Z)	* * *	1 1 1 1
	1-18 1-19 1-20	★ 87-034-592-010 ★ 82-AA1-002-018	CORD, AC (K) TERMINAL, EARTH CABINET, STEEL	*	1 1 1

EXPLODED VIEW - 2



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	2-1 2-2 2-3 2-4 2-5	★ 82-AA1-014-019 ★ 82-AA1-013-019 ★ 82-AA1-015-019 ★ 82-AA1-016-019	BUTTON, LOUDNESS BUTTON, MUTE BUTTON, SPEAKER BUTTON, POWER HOLDER, B PWB	* * *	3 3 2 1 3
	2-6 2-7 2-8 2-9 2-10	★ 82-AA1-207-019 ★ 82-AA1-206-019 ★ 82-AA1-211-019 ★ 82-AA1-208-019	ROD, SUB ROD, MM/MC HOLDER, PCB 3 ROD, ADAPTOR ROD, SEL	* * *	1 1 1 1 1
	2-11 2-12 2-13 2-14 2-15	 ★81-512-246-010	HOLDER, PCB 1 HOLDER, A HOLDER, PCB 2 HEAT SINK, MAIN G-CUSHION. 3-8-20		1 1 1 1

■ ACCESSORIES / PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1 2 3	★ 82-AA1-901-018 ★ 82-AA1-033-010 ★ 82-AA1-034-010	INSTRUCTION BOOKLET, EX REMOTE CONTROL, RC-A950LE(E, Z) REMOTE CONTROL, RC-A950L(K)	* * *	1 1 1

PRINTING THE SERVICE MANUAL

The PDF of this service manual is not designed to be printed from cover to cover. The pages vary in size, and must therefore be printed in sections based on page dimensions.

NON-SCHEMATIC PAGES

Data that does NOT INCLUDE schematic diagrams are formatted to 8.5 x 11 inches and can be printed on standard letter-size and/or A4-sized paper.

SCHEMATIC DIAGRAMS

The schematic diagram pages are provided in two ways, full size and tiled. The full-sized schematic diagrams are formatted on paper sizes between 8.5" x 11" and 18" x 30" depending upon each individual diagram size. Those diagrams that are LARGER than 11" x 17" in full-size mode have been tiled for your convience and can be printed on standard 11" x 17" (tabloid-size) paper, and reassembled.

TO PRINT FULL SIZE SCHEMATIC DIAGRAMS
If you have access to a large paper plotter or printer capable of outputting the full-sized diagrams, output as follows:
1) Note the page size(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your large format printer. Confirm that the printer settings are set to output the indicated page size or larger.
3) Close the Print Set Up screen and return to the File menu. Select "Print" Input the page number of the schematic(s) you want to print in the print range window. Choose OK.
TO PRINT TILED VERSION OF SCHEMATICS
Schematic pages that are larger than 11" x 17" full-size are provided in a 11" x 17" printable tiled format near the end of the document. These can be printed to tabloid-sized paper and assembled to full-size for easy viewing.
If you have access to a printer capable of outputting the tabloid size (11" x 17") paper, then output the tiled version of the diagram as follows:
1) Note the page number(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your printer. Confirm that the plotter settings are set to output 11" x 17", or tabloid size paper in landscape () mode.
3) Close the Print Set Up screen and return to the File menu. Select "Print" Input the page number of the schematic(s) you want to print in the

TO PRINT SPECIFIC SECTIONS OF A SCHEMATIC_

print range window. Choose OK.

To print just a particular section of a PDF, rather than a full page, access the Graphics Select tool in the Acrobat Reader tool bar.

- 1) To view the Graphics Select Tool, press and HOLD the mouse button over the Text Select Tool which looks I ke: This tool will expand to reveal to additional tools.

 Choose the Graphics Select tool by placing the cursor over the button on of the far right that looks like:
- 2) After selecting the Graphics Select Tool, place your cursor in the document window and the cursor will change to a plus (+) symbol. Click and drag the cursor over the area you want to print. When you release the mouse button, a marquee (or dotted lined box) will be displayed outlining the area you selected.
- 3) With the marquee in place, go to the file menu and select the "Print..." option. When the print window appears, choose the option under the section called "Print Range" which says "Selected Graphic".

Select OK and the output will print only the area that you outlined with the marguee.