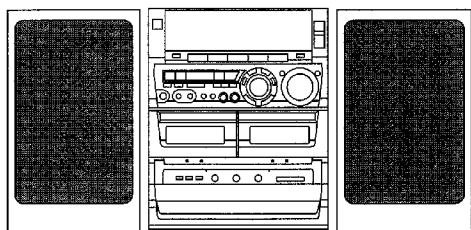


aiwa



NSX-K880



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM : 2ZM-3MK2 PR7NM
- BASIC CD MECHANISM : 4ZG-1 V0S1RNDMS

• TYPE : HR

SUPPLEMENT

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-K880	CX-NK880	SX-WNS888	RC-ZAS07

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" (S/M Code No. 09-994-409-1T1).
- This Service Manual contains information about the difference between NSX-K880(HR) and NSX-S888/S898(HR). If requiring the other information, see Service Manual of NSX-S888/S898[888<HR,EZ,K>, 898<EZ>], (S/M Code No. 09-995-408-0R2).
- If requiring information about the CD mechanism, see Service Manual of 4ZG-1 V0S1RNDMS, S/M Code No. 09-992-325-4N8.

SPECIFICATIONS

<FM Tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity(IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<MW Tuner section>

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 uV/m
Antenna	Loop antenna

<SW Tuner section>

Tuning range	5.900 MHz to 17.900 MHz
Antenna	Wire antenna

<Amplifier section>

Mid-high frequency amplifier

Power output	25 W + 25 W (1 kHz, T.H.D.1%, 6 ohms) Reference : 30 W + 30 W (6 ohms,T.H.D.10%, 1 kHz)
Total harmonic distortion	0.1% (10 W, 1 kHz, 6 ohms, DIN AUDIO)

Low-high frequency amplifier

Power output	105 W + 105 W (70 Hz, T.H.D. 1%, 6 ohms) Reference : 130 W + 130 W (6 ohms,T.H.D.10%, 70 Hz)
Total harmonic distortion	0.1% (55 W, 70 Hz, 6 ohms, DIN AUDIO)

Inputs

VIDEO/AUX : 316 mV (adjustable)
MD : 316 mV (adjustable)

Outputs

MIC1, MIC2 : 1 mV (10 kohms)
VIDEO OUT: 1.0Vp-p (75 ohms)
SPEAKERS HIGH FREQ: accept
speakers of 6 ohms or more
SPEAKERS LOW FREQ: accept
speakers of 6 ohms or more
SURROUND SPEAKERS: accept
speakers of 8 ohms to 16 ohms
LINE OUT: 150 mV
PHONES (stereo jack) : accepts
headphones of 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	CrO ₂ tape : 50 Hz – 16000 Hz Normal tape : 50 Hz – 15000 Hz
Recording system	AC bias
Heads	Deck 1 : playback head x 1 Deck 2 : Recording/Playback head x 1/erase head x 1

<Compact disc player section>

Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Video signal	NTSC/PAL color format (selectable)
Video data	MPEG 1
Audio data	MPEG 1, LAYER 2

<Speaker system SX-WNS888>

Cabinet type	3 way, built-in subwoofer (magnetic shielded type)
Speakers	Subwoofer : 160 mm cone type

	Full range : 120 mm cone type
	Super tweeter: 20 mm ceramic type
Impedance	6 ohms / 6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	240 x 345 x 300 mm
Weight	5.5 kg

<General>

Power requirements	120 V/220-230 V/240 V AC (switchable), 50/60 Hz
Power consumption	200 W
Dimensions of main unit (W x H x D)	260 x 324 x 346 mm
Weight	11 kg
Standby power consumption	With power-economizing mode off 29 W With power-economizing mode on 1.5 W

• Design and specifications are subject to change without notice.

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ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-NH6-911-010		IB, H (EC-H) M
5	8Z-NH8-702-010		RC UNIT, RC-ZAS07
7	87-050-103-010		CORD, PIN 1PY1.5M

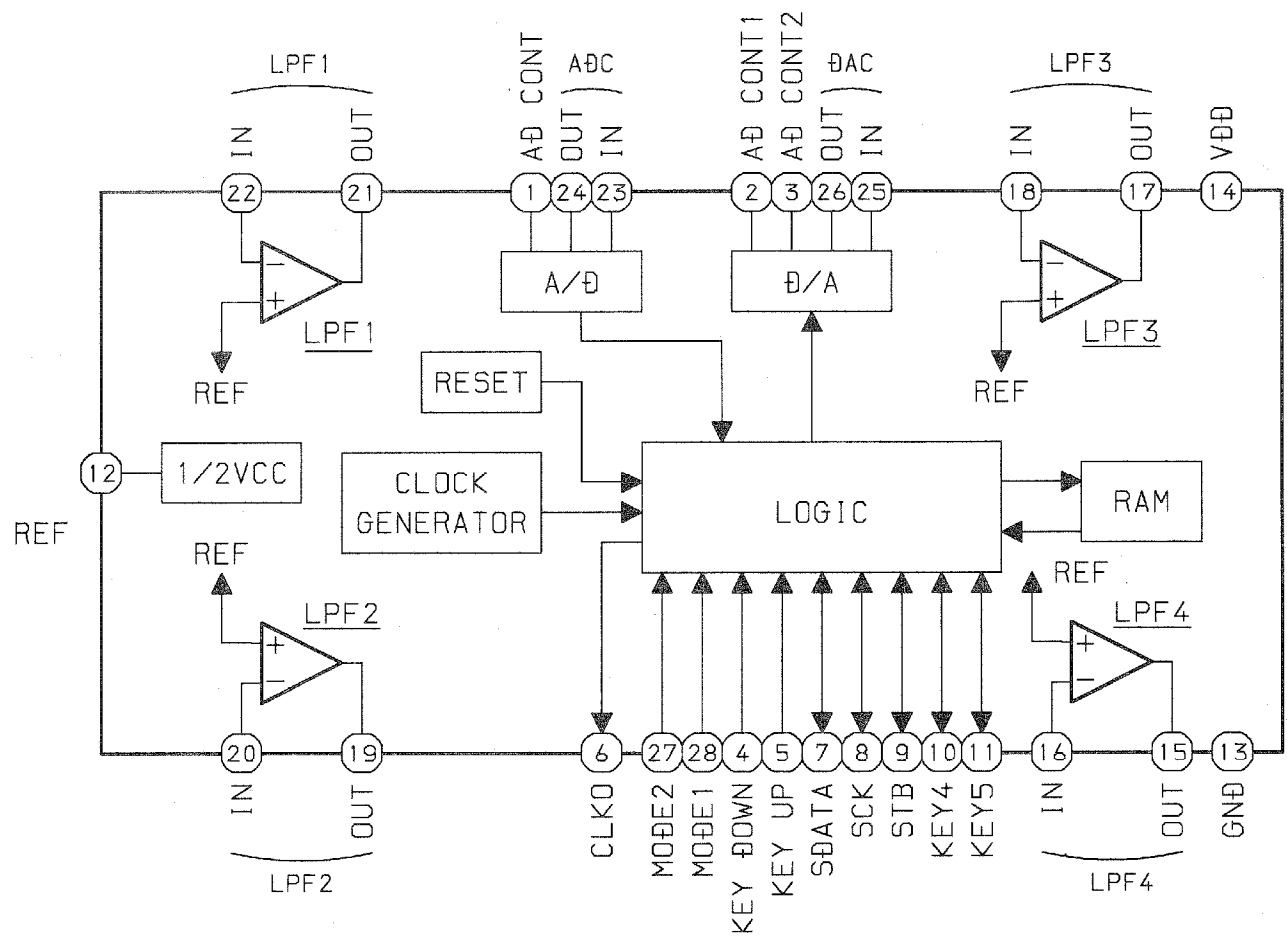
ELECTRICAL MAIN PARTS LIST

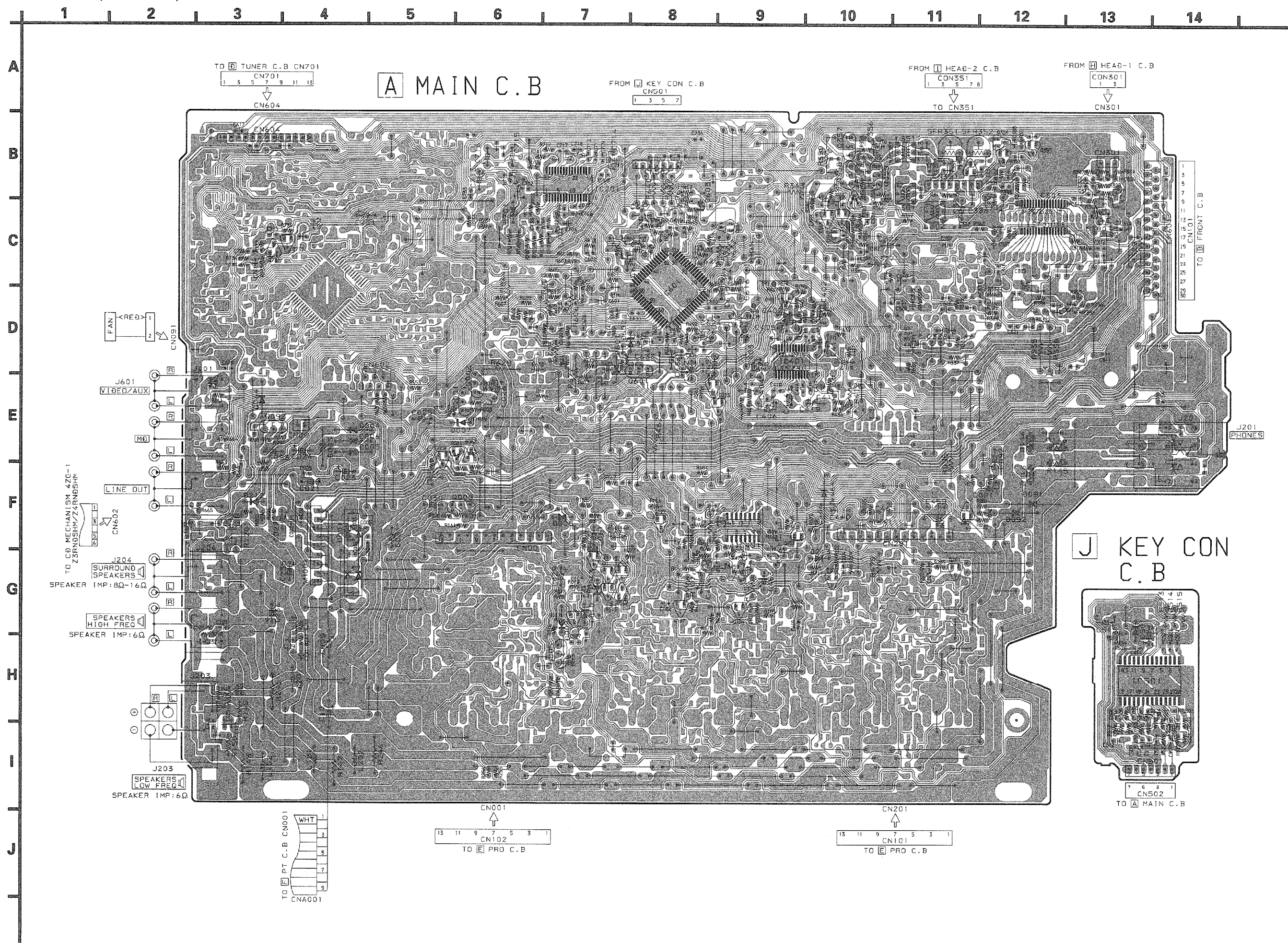
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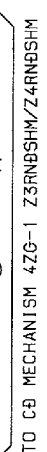
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A20-561-040		C-IC,M65847AFP
MAIN C.B			
C305	87-012-145-080		C-CAP,S 270P-50J CH
C306	87-012-145-080		C-CAP,S 270P-50J CH
CN502	87-099-566-010		CONN, 7P TUC-P7P-B1
FRONT C.B			
C210	87-012-157-080		C-CAP,S 330P-50 CH
KEY CON C.B			
C501	87-A10-060-080		C-CAP,S 0.18-16 K B
C502	87-A10-060-080		C-CAP,S 0.18-16 K B
C503	87-012-154-080		C-CAP,S 150P-50 CH
C504	87-012-154-080		C-CAP,S 150P-50 CH
C505	87-012-145-080		CAP, CHIP S 270P CH
C506	87-012-145-080		CAP, CHIP S 270P CH
C507	87-010-183-080		C-CAP,S 2700P-50 B
C509	87-010-196-080		CHIP CAPACITOR,0.1-25
C510	87-010-177-080		C-CAP,S 820P-50 SL
C511	87-010-177-080		C-CAP,S 820P-50 SL
C512	87-010-196-080		CHIP CAPACITOR,0.1-25
C513	87-010-374-080		CAP, ELECT 47-10V
C514	87-010-196-080		CHIP CAPACITOR,0.1-25
C515	87-010-263-080		CAP, ELECT 100-10V
C517	87-010-183-080		C-CAP,S 2700P-50 B
C521	87-016-460-080		C-CAP,S 0.22-16 B
C522	87-016-460-080		C-CAP,S 0.22-16 B
C523	87-016-460-080		C-CAP,S 0.22-16 B
C527	87-010-196-080		CHIP CAPACITOR,0.1-25
CN501	87-A60-689-010		CONN, 7P H GRY TUC-P07X-C1

IC BLOCK DIAGRAM

IC, M65847AFP

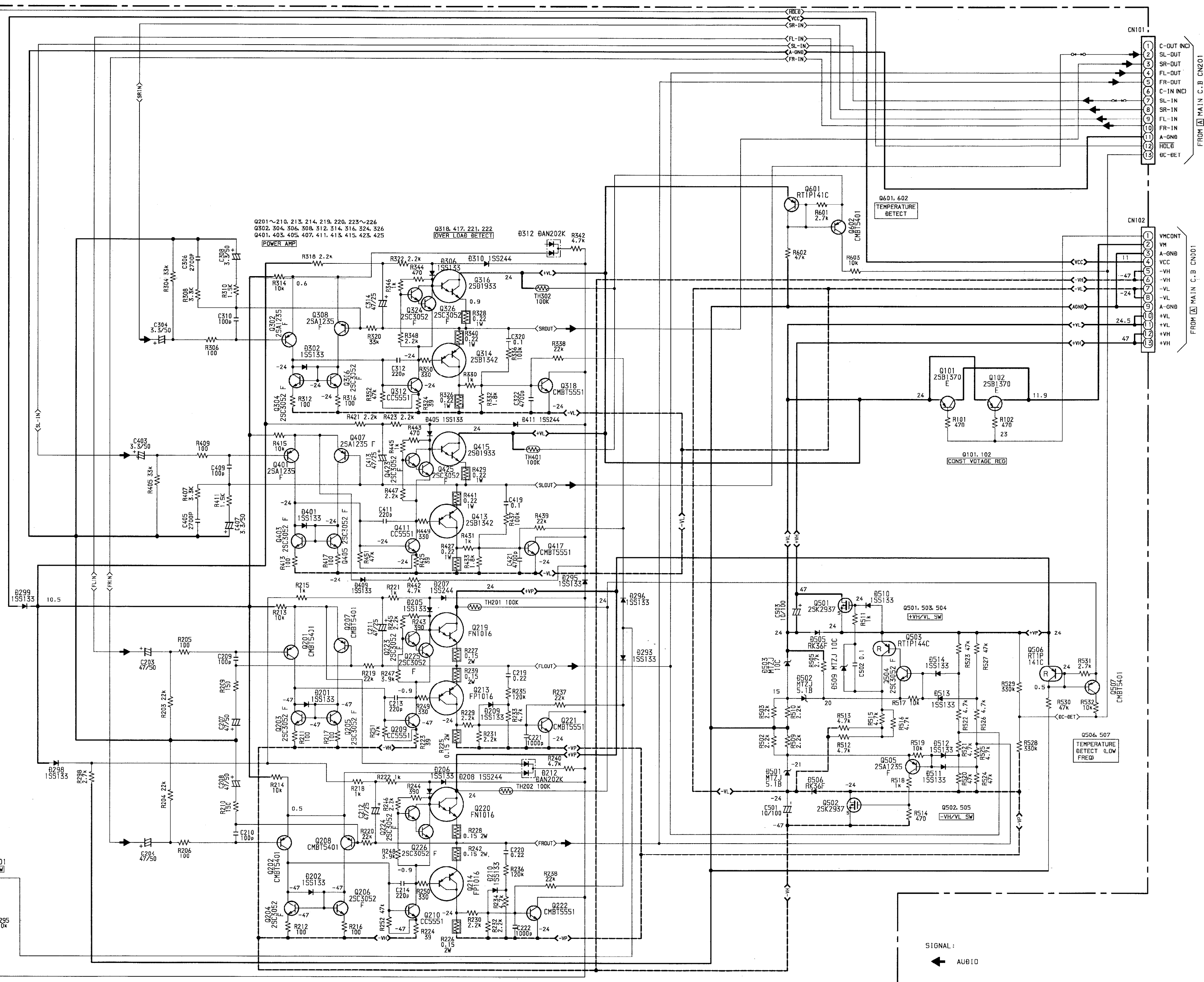




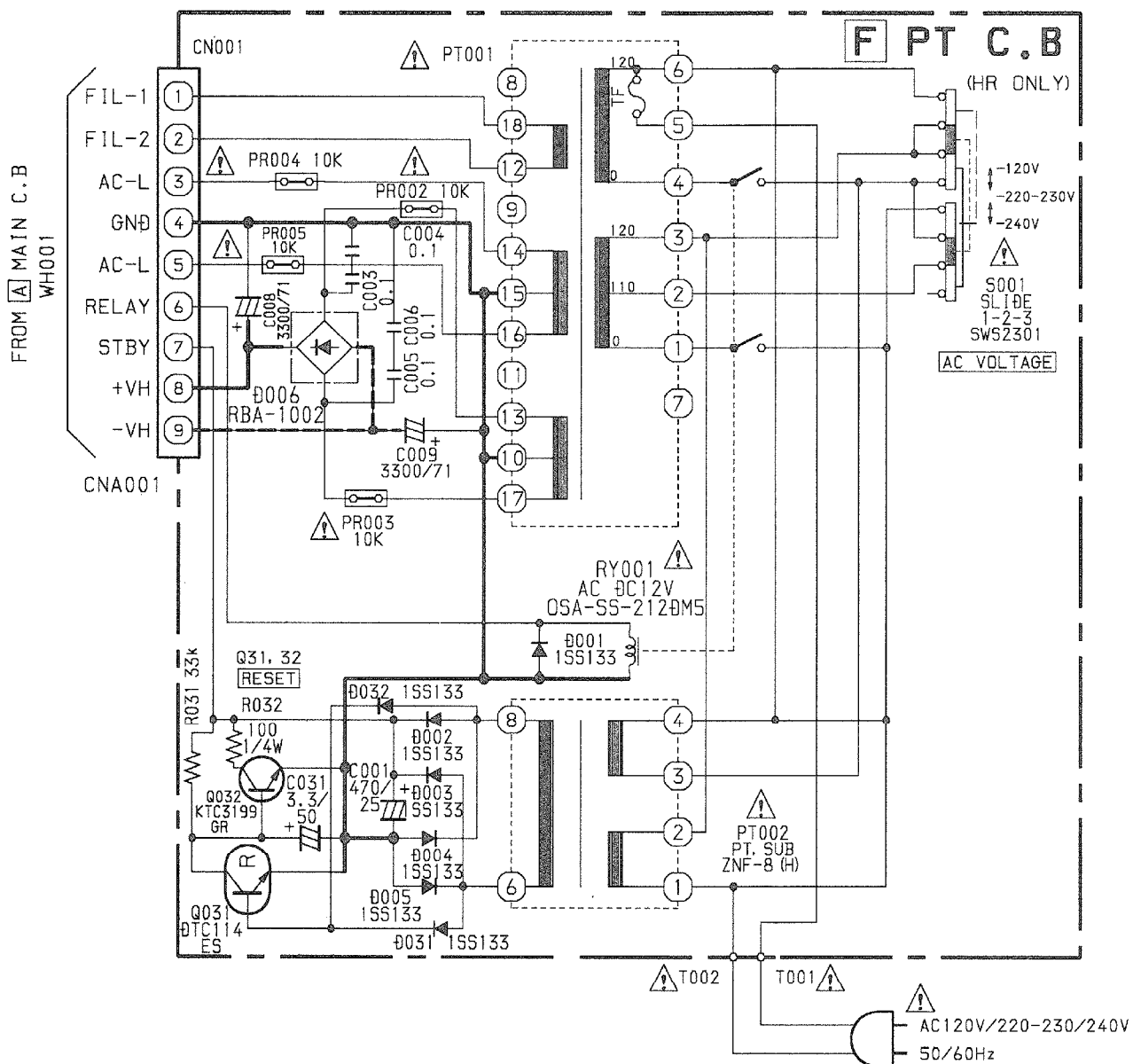




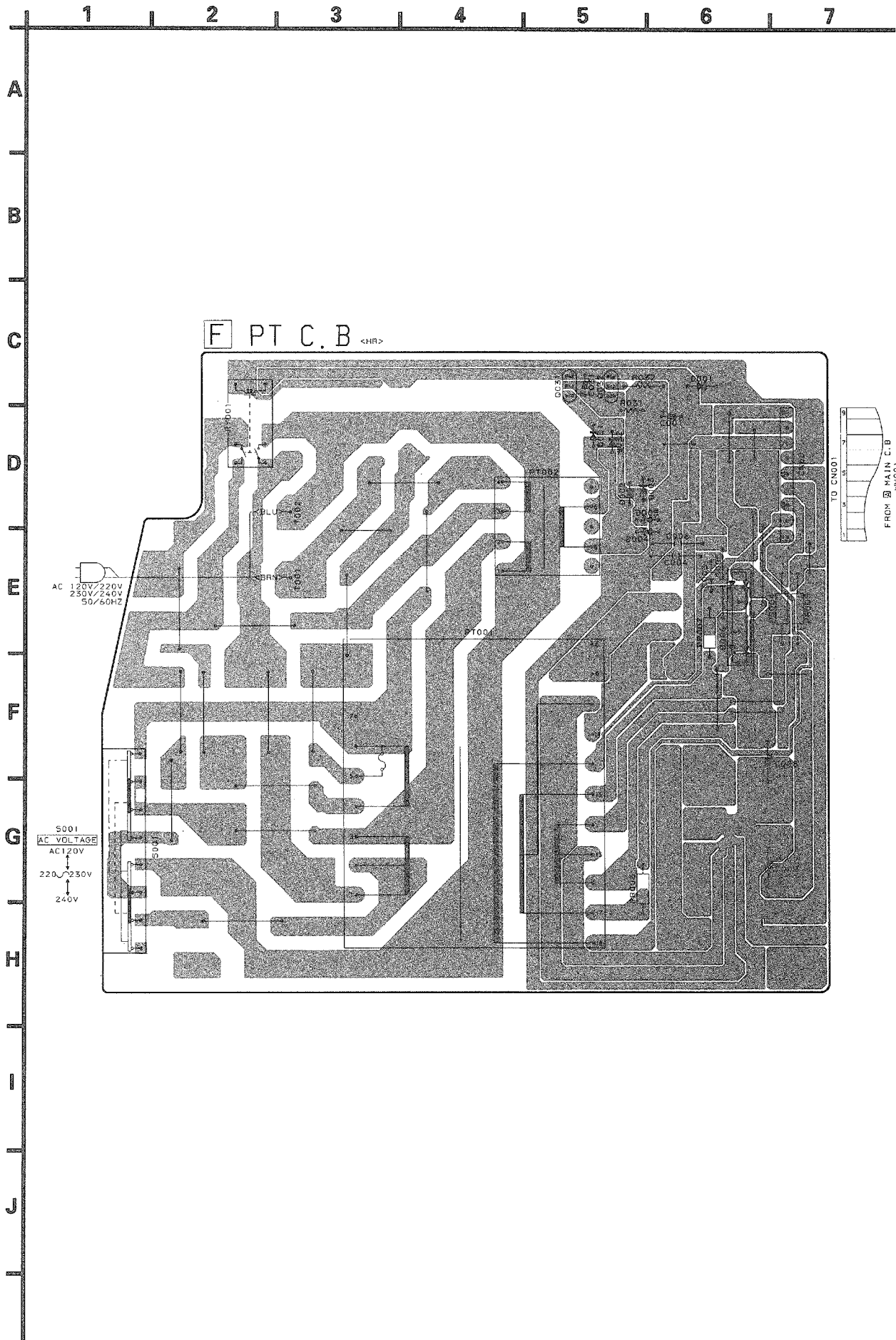
E PRO C.B



SCHEMATIC DIAGRAM - 4 (PT)



WIRING - 4 (PT)



A MAIN C.B (2/2)

HEAD-2 C.B
AZIMUTH ADJ

HEAD-1 C.B
AZIMUTH ADJ

RECK 2
R CH
L CH
PH

RECK 1
R CH
L CH
PH

CON351
CN351

CON301
CN301

SFR351.552
REC/PB FREQ
RESPONSE ADJ

Q354 2SK2158

Q355 2SK2158

Q356 470

Q357 470

IC303 BA762AF5
REC/PB FREQ
ADJ

REC-SEL
LTP2
LTP1
HSP
PB-SEL
B-R
B-L
A-GND

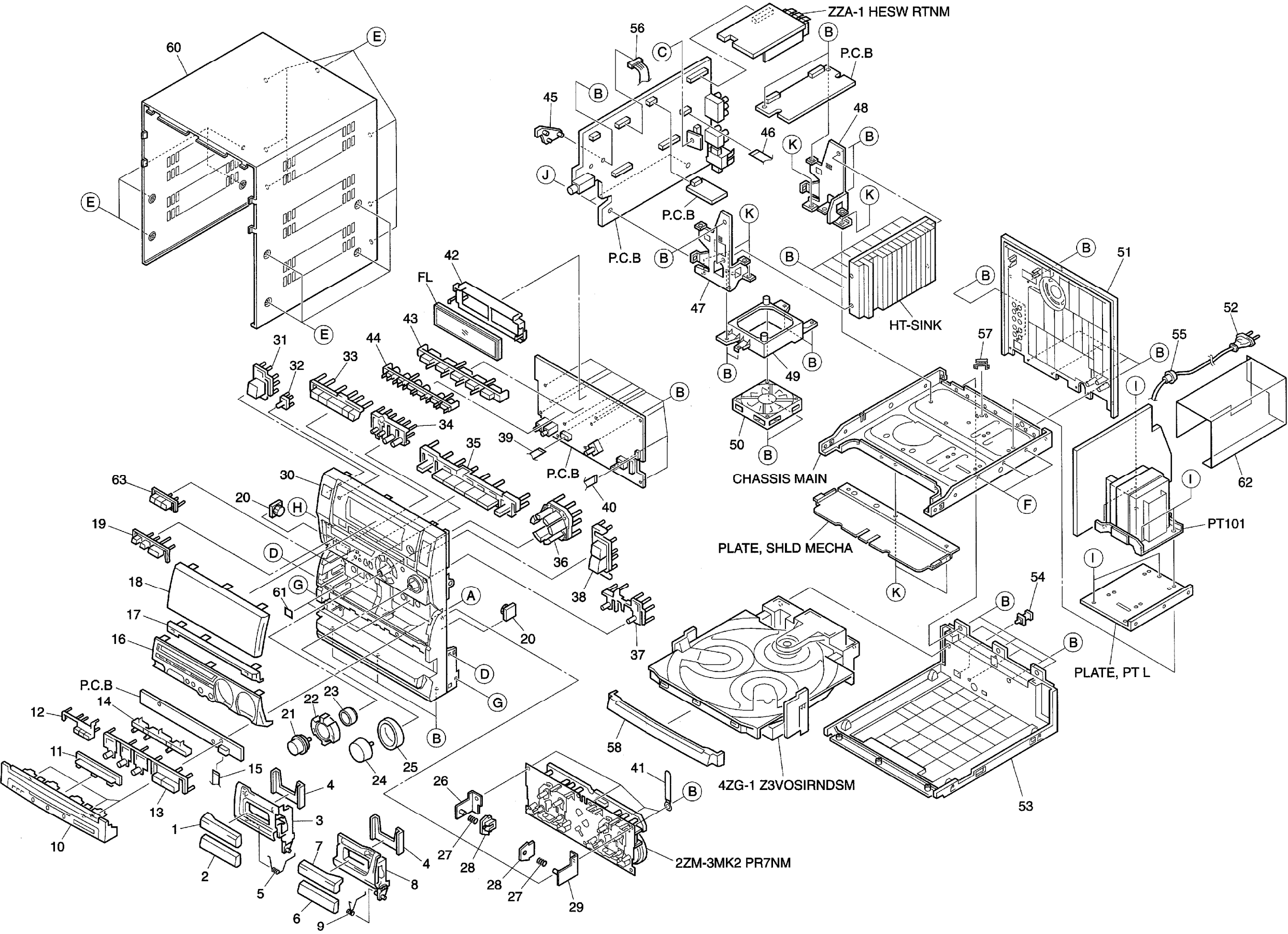
TAPE-L
TAPE-R
NS

MUSIC SENSOR
LEVEL DETECTION

Q381 388
Q382 2SC3052F
Q383 2SA1235F
Q384 100K
Q385 3300P

TAPE-L
TAPE-R

FROM TO A MAIN C.B (1/2)



MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-NF6-012-010		PANEL, CASS 1 U	41	87-064-185-010		HLD, WIRE
2	8Z-NF6-014-010		WINDOW, CASS 1	42	88-NF6-205-010		GUIDE, FL 40-150- 9
3	8Z-NF6-003-010		BOX, CASS 1 U	43	8Z-NF6-202-010		GUIDE, FUN
4	86-NF6-061-010		REFLECTOR, CASS	44	8Z-NF6-203-010		GUIDE, OPE
5	8Z-NF5-218-010		SPR-T, EJECT 1 (SIN)	45	88-NF5-208-010		HLD, PWB-M N
6	8Z-NF6-015-010		WINDOW, CASS 2	46	88-906-701-110		FF-CABLE, 6P 1.25 700MM
7	8Z-NF6-013-010		PANEL, CASS 2 U	47	8Z-NF5-214-010		HLD, HT F
8	8Z-NF6-004-010		BOX, CASS 2 U	48	8Z-NF5-215-010		HLD, HT R
9	8Z-NF5-219-010		SPR-T, EJECT 2 (SIN)	49	8Z-NF5-219-010		HLD, FAN
10	8Z-NF6-016-010		PANEL, CD U	50	87-A91-314-010		FAN, 3110GL-B4W-B34-H02
11	8Z-NF6-049-010		REFLECTOR, CD	51	8Z-NH6-062-010		CABI, REAR HRJSTM
12	8Z-NF6-036-010		KEY, EDIT	52	87-050-079-010		AC-CORD ASSY, E
13	8Z-NF6-037-010		KEY, CD	53	8Z-NH5-002-010		CABI, BOTTOM
14	8Z-NF6-201-010		GUIDE, CD	54	84-2G1-245-210		CAP, OPTICAL
15	88-906-301-110		FF-CABLE, 6P-1.25	55	87-085-185-010		BUSHING, AC CORD (E)
16	8Z-NH6-005-010		PANEL, FR H	56	87-NF6-616-010		CONN ASSY, 8P RPB
17	8Z-NF6-008-010		PANEL, FUN	57	87-NF4-221-010		HLD, CABLE
18	8Z-NH6-004-010		WINDOW, DISP H	58	8Z-NH6-006-010		PANEL, TRAY
19	8Z-NF6-030-010		KEY, REC	60	8Z-NF5-033-010		CABI, STEEL F6
20	87-NF8-220-010		DMPR, 150	61	81-532-080-010		LABEL, CASS. COMPT
21	8Z-NF6-045-010		KNOB, RTRY JOG	62	8Z-NF5-221-010		COVER, PWB PT
22	8Z-NF6-010-010		PANEL, JOG	63	8Z-NH6-001-010		KEY, PBC
23	8Z-NF6-046-010		REFLECTOR, JOG	A	87-067-758-010		BVT2+3-12 W/O SLOT
24	8Z-NF6-044-010		KNOB, RTRY VOL	B	87-067-703-010		TAPPING SCREW, BVT2+3-10
25	8Z-NF6-011-010		RING, VOL	C	87-067-579-010		TAPPING SCREW, BVT2+3-8
26	87-NF4-216-010		HLD, LOCK 1	D	87-591-094-410		TAPPING SCREW, QIT+3-6
27	86-NF9-224-010		SPR-C, LOCK	E	87-B10-091-010		UTT2+3-10 W/O BLK
28	8Z-NF5-229-010		PLATE, LOCK	F	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
29	87-NF4-217-110		HLD, LOCK 2	G	87-721-097-410		QT2+3-12 GLD
30	8Z-NF6-001-010		CABI, FR U	H	87-723-096-410		QT2+3-10W/O SLOT BL
31	8Z-NF6-018-010		KEY, POWER	I	87-078-191-010		S-SCREW, IT+4-10
32	8Z-NF6-048-010		REFLECTOR, ECO	J	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
33	8Z-NH6-008-010		KEY, ASSY OPE VCD	K	87-067-688-010		BVT+3-6
34	8Z-NF6-038-010		KEY, PAD				
35	8Z-NF6-024-010		KEY, ASSY FUN				
36	8Z-NF6-034-010		KEY, JOG				
37	8Z-NF6-035-010		KEY, MIC				
38	8Z-NF6-019-010		KEY, BBE				
39	88-915-171-110		FF-CABLE, 15P 1.25 170MM				
40	88-913-551-110		FF-CABLE, 13P 1.25 550MM				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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