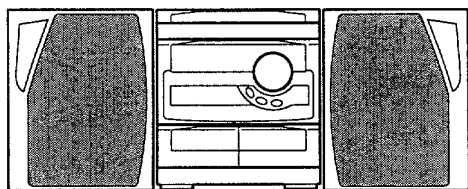


aiwa



NSX-S214



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM : 6ZM-3 PR1NM
- BASIC CD MECHANISM : 4ZG-1 Z3DSHNM

- TYPE: EZ

SUPPLEMENT

SYSTEM	CD-CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-S214	CX-NS214	SX-NS214	RC-6AS14

- This Service Manual contains information about the difference between NSX-S214 (EZ) and NSX-S22 (EZ). If requiring other information, see Service Manual of NSX-S22/NSX-S23/XG-S22. (S/M Code No. 09-978-215-8FE)
- If requiring information about the CD mechanism, see service manual of 4ZG-1. (S/M Code No. 09-983-249-30T)

SPECIFICATIONS

<FM Tuner section>

Tuning range 87.5 MHz to 108 MHz
Usable sensitivity (IHF) 16.8 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 μ V/m
Antenna Loop antenna

<LW Tuner section>

Tuning range 144 kHz to 290 kHz
Usable sensitivity 1400 μ V/m
Antenna Loop antenna

<Amplifier section>

Power output Rated: 20 W + 20 W
 (6 ohms, T.H.D 1 %, 1 kHz/DIN 45500)
 Reference: 24 W + 24 W
 (6 ohms, T.H.D 10 %, 1 kHz/DIN 45324)
DIN MUSIC POWER:
 55 W + 55W
Total harmonic distortion 0.2 %
 (10 W, 1 kHz, 6 ohms, DIN AUDIO)

Inputs

Outputs

VIDEO/AUX : 400 mV
 SPEAKERS: accept speakers of 6 ohms or more
 PHONES (stereo jack) : accepts headphones of 32 ohms or more

<Cassette deck section>

Track format 4 tracks, 2 channels stereo
Frequency response 50 Hz -10000 Hz
Recording system AC bias
Heads Deck 1 : Playback head x1
 Deck 2 : Recording/playback head x1, erase head x 1

<Compact disc player section>

Laser Semiconductor laser (λ =780 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

<Speaker system SX-NS22>

Cabinet type 2 way, bass reflex (magnetic shielded type)
Speakers Woofer : 120 mm cone type
 Tweeter : 10 mm ceramic type
Impedance 6 ohms
Output sound pressure level 87 dB/W/m
Dimensions (W x H x D) 240 x 304 x 250 mm
Weight 2.7 kg

<General>

Power requirements 230 V AC, 50 Hz
Power consumption 70 W
Dimensions of main unit (W x H x D) 260 x 308.3 x 350 mm
Weight of main unit 5.2 Kg

• Design and specifications are subject to change without notice.

ELECTRICAL MAIN PARTS LIST

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
MAIN C.B				Q353	89-113-187-080		TR,2SA1318(T/U)
C201	87-015-951-080		CAP, ELECT 1-50V LL	Q354	89-113-187-080		TR,2SA1318(T/U)
C202	87-015-951-080		CAP, ELECT 1-50V LL	Q355	89-113-187-080		TR,2SA1318(T/U)
FFE801	A8-6ZA-191-130		6ZA-1 FEENM	Q356	89-113-187-080		TR,2SA1318(T/U)
IC720	88-NF9-656-010		IC,LC72131D (Z)	Q357	89-113-187-080		TR,2SA1318(T/U)
J201	87-A60-488-010		JACK,DIA 6.3 BLK ST W/SW KM	Q401	89-333-317-080		TR,2SC3331(T/U)
Q102	89-333-317-080		TR,2SC3331(T/U)	Q402	89-333-317-080		TR,2SC3331(T/U)
Q103	89-333-317-080		TR,2SC3331(T/U)	Q451	89-333-317-080		TR,2SC3331(T/U)
Q105	89-113-187-080		TR,2SA1318(T/U)	Q453	89-333-317-080		TR,2SC3331(T/U)
Q106	89-333-317-080		TR,2SC3331(T/U)	Q454	89-333-317-080		TR,2SC3331(T/U)
Q107	89-333-317-080		TR,2SC3331(T/U)	Q455	89-333-317-080		TR,2SC3331(T/U)
Q108	89-113-187-080		TR,2SA1318(T/U)	Q948	89-333-317-080		TR,2SC3331(T/U)
Q109	89-333-317-080		TR,2SC3331(T/U)	FRONT C.B			
Q110	89-113-187-080		TR,2SA1318(T/U)	IC202	87-NF8-614-010		IC,SPS-442-1-W
Q201	89-113-187-080		TR,2SA1318(T/U)	Q201	89-333-317-080		TR,2SC3331(T/U)
Q202	89-113-187-080		TR,2SA1318(T/U)	Q218	89-333-317-080		TR,2SC3331(T/U)
Q203	89-113-187-080		TR,2SA1318(T/U)				
Q204	89-113-187-080		TR,2SA1318(T/U)				
Q205	89-333-317-080		TR,2SC3331(T/U)				
Q206	89-333-317-080		TR,2SC3331(T/U)				
Q207	89-333-317-080		TR,2SC3331(T/U)				
Q208	89-333-317-080		TR,2SC3331(T/U)				
Q215	87-A30-152-080		TR,2SC5395F				
Q216	87-A30-152-080		TR,2SC5395F				
Q351	89-113-187-080		TR,2SA1318(T/U)				
Q352	89-113-187-080		TR,2SA1318(T/U)				

TRANSISTOR ILLUSTRATION



E C B

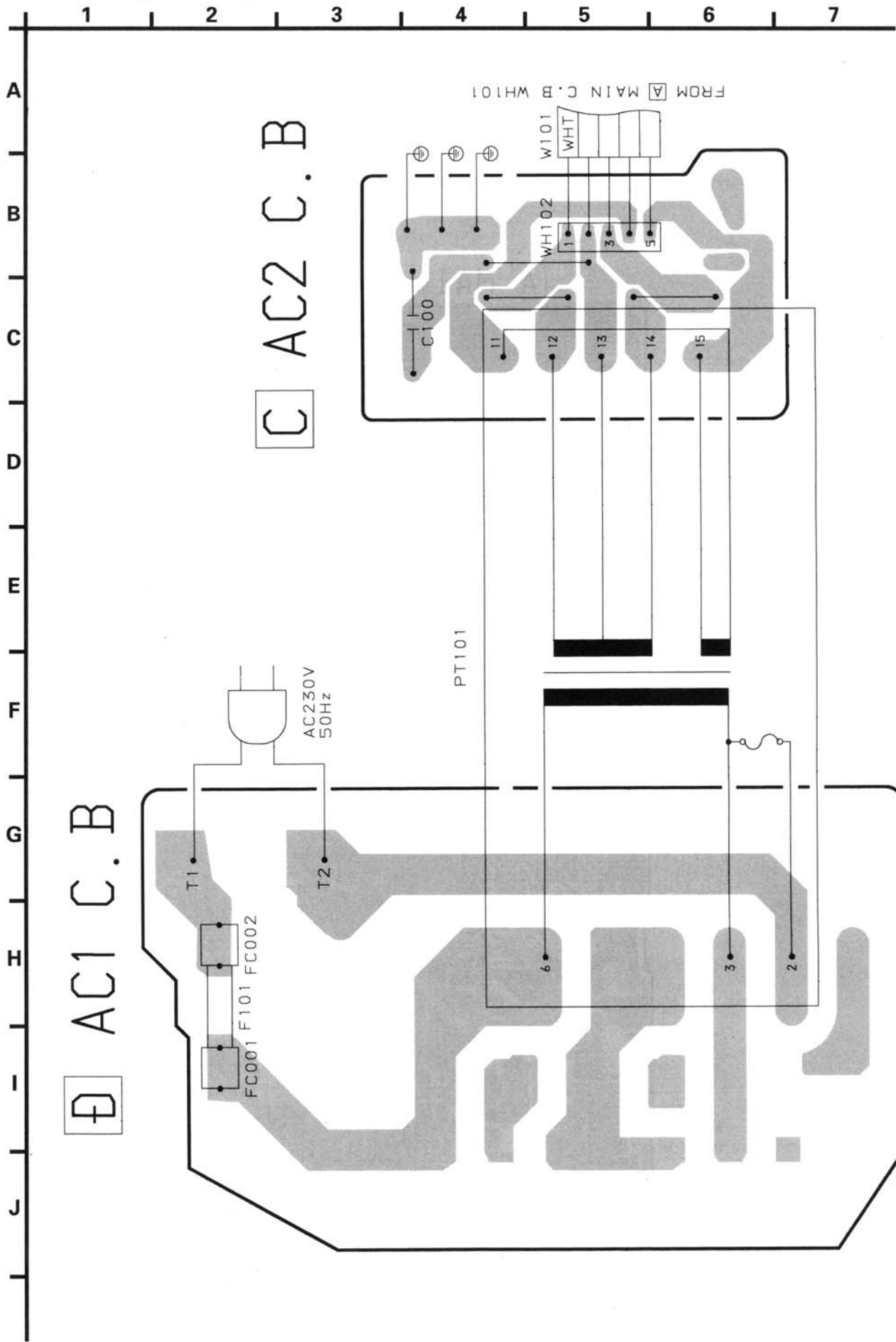
2SC5395



E C B

2SC3331
2SA1318

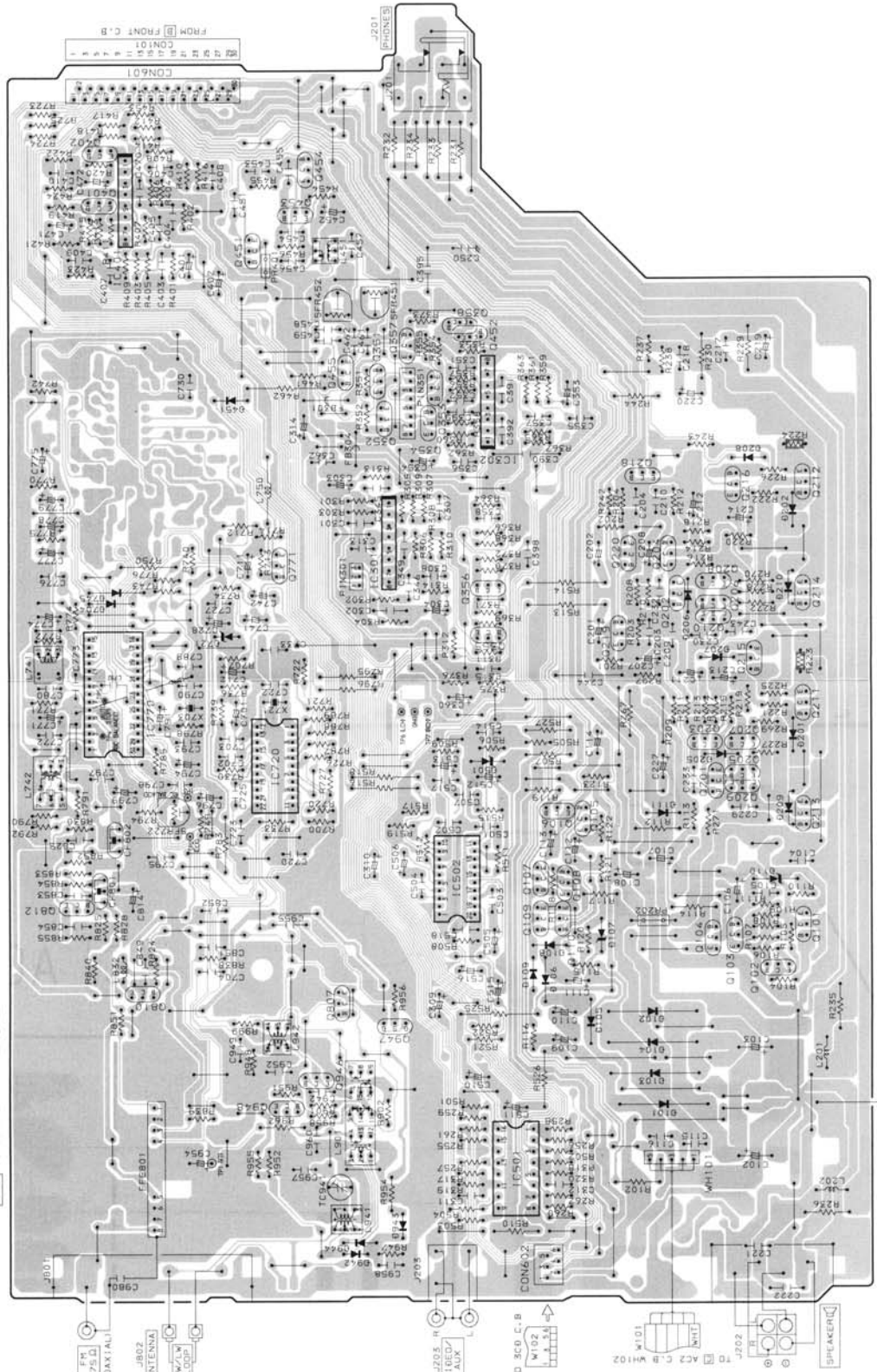
WIRING - 1 (AC1 / AC2)



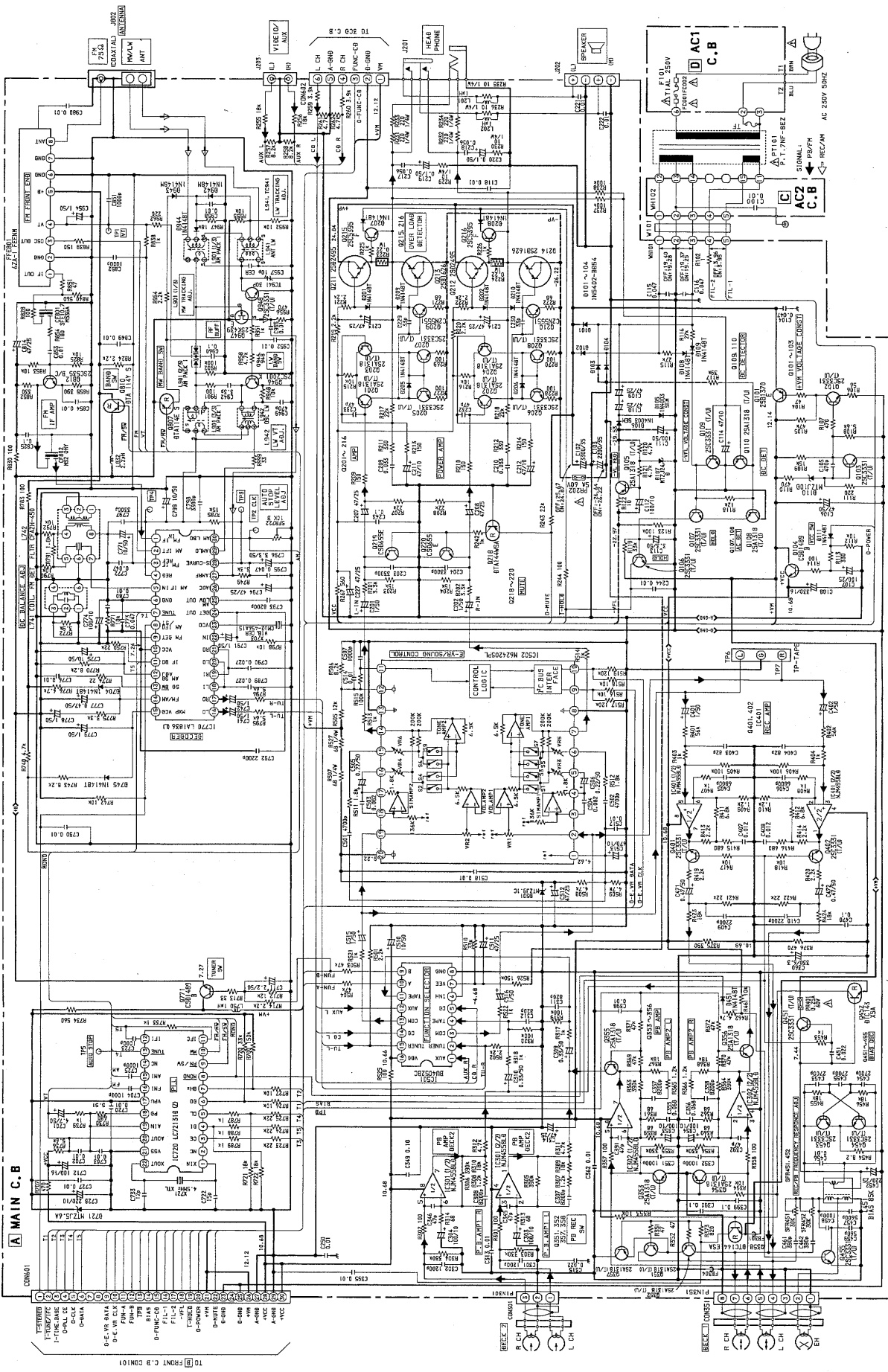
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J

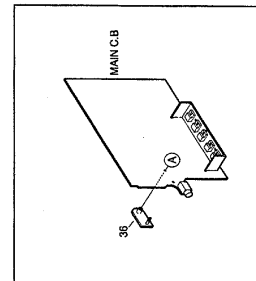
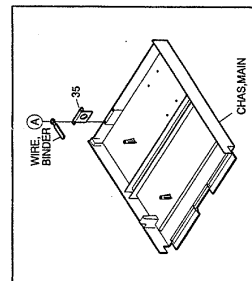
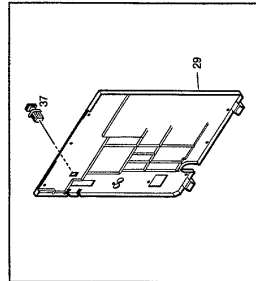
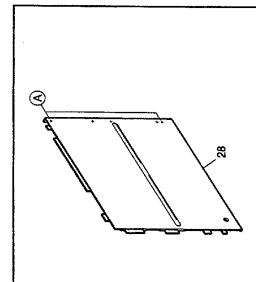
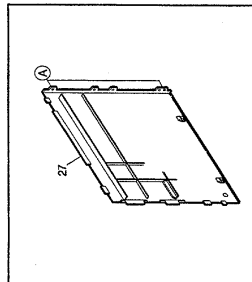
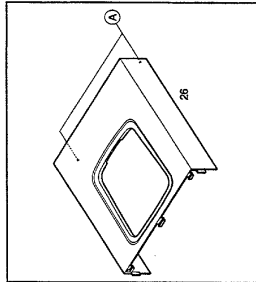
A MAIN C.B



SCHEMATIC DIAGRAM (MAIN)



MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL PARTS LIST 1 / 1

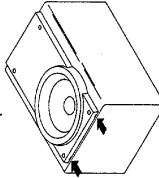
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	QTY	DESCRIPTION
1	87-928-004-010	1	BOX, CASE 1, BLK
2	87-928-005-010	1	CHASSIS, BLK
3	87-928-006-010	1	PANEL, CD, BLK
4	87-928-007-010	1	WIRE BINDER, BLK
5	87-928-008-010	1	CHASSIS, BLK
6	87-928-009-010	1	WIRE BINDER, BLK
7	87-928-010-010	1	CHASSIS, BLK
8	87-928-011-010	1	WIRE BINDER, BLK
9	87-928-012-010	1	CHASSIS, BLK
10	87-928-013-010	1	WIRE BINDER, BLK
11	87-928-014-010	1	CHASSIS, BLK
12	87-928-015-010	1	WIRE BINDER, BLK
13	87-928-016-010	1	CHASSIS, BLK
14	87-928-017-010	1	WIRE BINDER, BLK
15	87-928-018-010	1	CHASSIS, BLK
16	87-928-019-010	1	WIRE BINDER, BLK
17	87-928-020-010	1	CHASSIS, BLK
18	87-928-021-010	1	WIRE BINDER, BLK
19	87-928-022-010	1	CHASSIS, BLK
20	87-928-023-010	1	WIRE BINDER, BLK
21	87-928-024-010	1	CHASSIS, BLK
22	87-928-025-010	1	WIRE BINDER, BLK
23	87-928-026-010	1	CHASSIS, BLK
24	87-928-027-010	1	WIRE BINDER, BLK
25	87-928-028-010	1	CHASSIS, BLK
26	87-928-029-010	1	WIRE BINDER, BLK
27	87-928-030-010	1	CHASSIS, BLK
28	87-928-031-010	1	WIRE BINDER, BLK
29	87-928-032-010	1	CHASSIS, BLK
30	87-928-033-010	1	WIRE BINDER, BLK
31	87-928-034-010	1	CHASSIS, BLK
32	87-928-035-010	1	WIRE BINDER, BLK
33	87-928-036-010	1	CHASSIS, BLK
34	87-928-037-010	1	WIRE BINDER, BLK
35	87-928-038-010	1	CHASSIS, BLK
36	87-928-039-010	1	WIRE BINDER, BLK
37	87-928-040-010	1	CHASSIS, BLK
38	87-928-041-010	1	WIRE BINDER, BLK
39	87-928-042-010	1	CHASSIS, BLK
40	87-928-043-010	1	WIRE BINDER, BLK
41	87-928-044-010	1	CHASSIS, BLK
42	87-928-045-010	1	WIRE BINDER, BLK
43	87-928-046-010	1	CHASSIS, BLK
44	87-928-047-010	1	WIRE BINDER, BLK
45	87-928-048-010	1	CHASSIS, BLK
46	87-928-049-010	1	WIRE BINDER, BLK
47	87-928-050-010	1	CHASSIS, BLK
48	87-928-051-010	1	WIRE BINDER, BLK
49	87-928-052-010	1	CHASSIS, BLK
50	87-928-053-010	1	WIRE BINDER, BLK
51	87-928-054-010	1	CHASSIS, BLK
52	87-928-055-010	1	WIRE BINDER, BLK
53	87-928-056-010	1	CHASSIS, BLK
54	87-928-057-010	1	WIRE BINDER, BLK
55	87-928-058-010	1	CHASSIS, BLK
56	87-928-059-010	1	WIRE BINDER, BLK
57	87-928-060-010	1	CHASSIS, BLK
58	87-928-061-010	1	WIRE BINDER, BLK
59	87-928-062-010	1	CHASSIS, BLK
60	87-928-063-010	1	WIRE BINDER, BLK
61	87-928-064-010	1	CHASSIS, BLK
62	87-928-065-010	1	WIRE BINDER, BLK
63	87-928-066-010	1	CHASSIS, BLK
64	87-928-067-010	1	WIRE BINDER, BLK
65	87-928-068-010	1	CHASSIS, BLK
66	87-928-069-010	1	WIRE BINDER, BLK
67	87-928-070-010	1	CHASSIS, BLK
68	87-928-071-010	1	WIRE BINDER, BLK
69	87-928-072-010	1	CHASSIS, BLK
70	87-928-073-010	1	WIRE BINDER, BLK
71	87-928-074-010	1	CHASSIS, BLK
72	87-928-075-010	1	WIRE BINDER, BLK
73	87-928-076-010	1	CHASSIS, BLK
74	87-928-077-010	1	WIRE BINDER, BLK
75	87-928-078-010	1	CHASSIS, BLK
76	87-928-079-010	1	WIRE BINDER, BLK
77	87-928-080-010	1	CHASSIS, BLK
78	87-928-081-010	1	WIRE BINDER, BLK
79	87-928-082-010	1	CHASSIS, BLK
80	87-928-083-010	1	WIRE BINDER, BLK
81	87-928-084-010	1	CHASSIS, BLK
82	87-928-085-010	1	WIRE BINDER, BLK
83	87-928-086-010	1	CHASSIS, BLK
84	87-928-087-010	1	WIRE BINDER, BLK
85	87-928-088-010	1	CHASSIS, BLK
86	87-928-089-010	1	WIRE BINDER, BLK
87	87-928-090-010	1	CHASSIS, BLK
88	87-928-091-010	1	WIRE BINDER, BLK
89	87-928-092-010	1	CHASSIS, BLK
90	87-928-093-010	1	WIRE BINDER, BLK
91	87-928-094-010	1	CHASSIS, BLK
92	87-928-095-010	1	WIRE BINDER, BLK
93	87-928-096-010	1	CHASSIS, BLK
94	87-928-097-010	1	WIRE BINDER, BLK
95	87-928-098-010	1	CHASSIS, BLK
96	87-928-099-010	1	WIRE BINDER, BLK
97	87-928-100-010	1	CHASSIS, BLK
98	87-928-101-010	1	WIRE BINDER, BLK
99	87-928-102-010	1	CHASSIS, BLK
100	87-928-103-010	1	WIRE BINDER, BLK

SPEAKER DISASSEMBLY INSTRUCTIONS

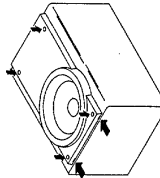
Type 1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



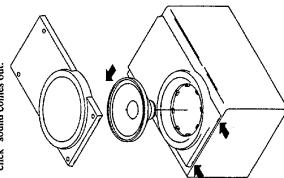
Type 2

Remove the grill frame and four pieces of rubber caps by pulling them out with a flat-bladed screwdriver. Remove the screws from the where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



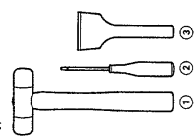
Type 3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



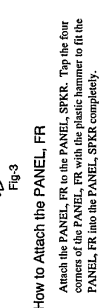
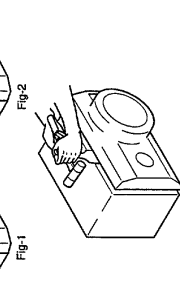
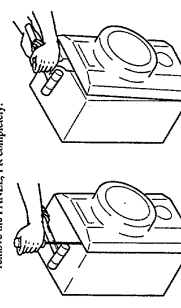
Type 4

- TOOLS
- ① Plastic head hammer
 - ② Flat head screwdriver
 - ③ Cut chisel



How to Remove the PANEL, FR

1. Insert the ② flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the ② flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.



How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST 1 / 1 (SX-NS214: YBNY1, YBNY2)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NSJ-014-010		PANEL FR B R
2	87-NSJ-015-010		PANEL FR B L
3	87-NSH-005-010		NET
4	87-NS7-611-010		CORD, SPKR
5	87-NSJ-602-010		SPKR 120
6	86-NSZ-602-010		SPKR, CERA 14

ACCESSORIES / PACKAGE LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NF8-927-110		IB, E(9L) M NS212
2	88-NF9-660-010		RC UNIT, 6AS14

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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Tokyo Japan