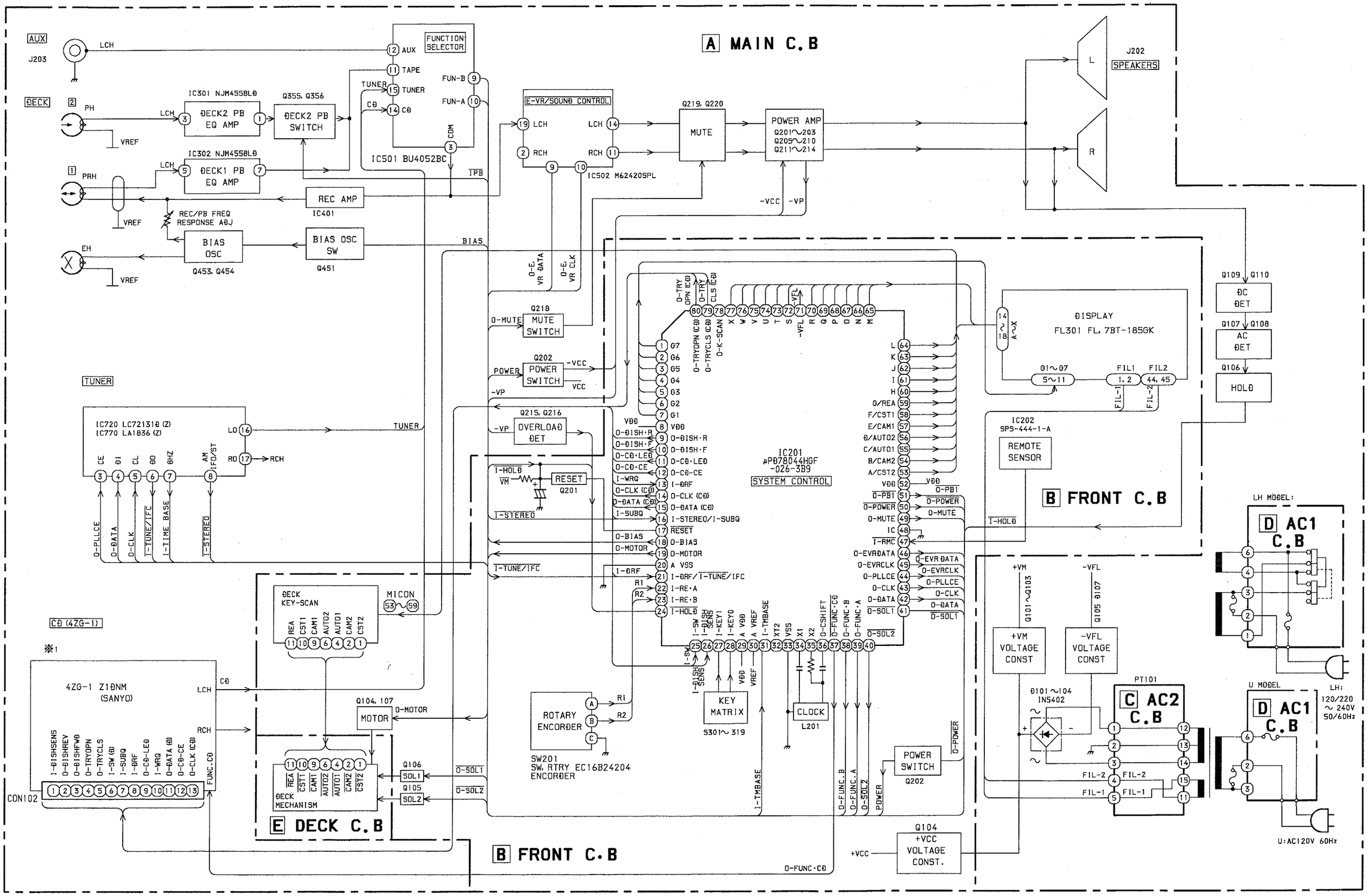
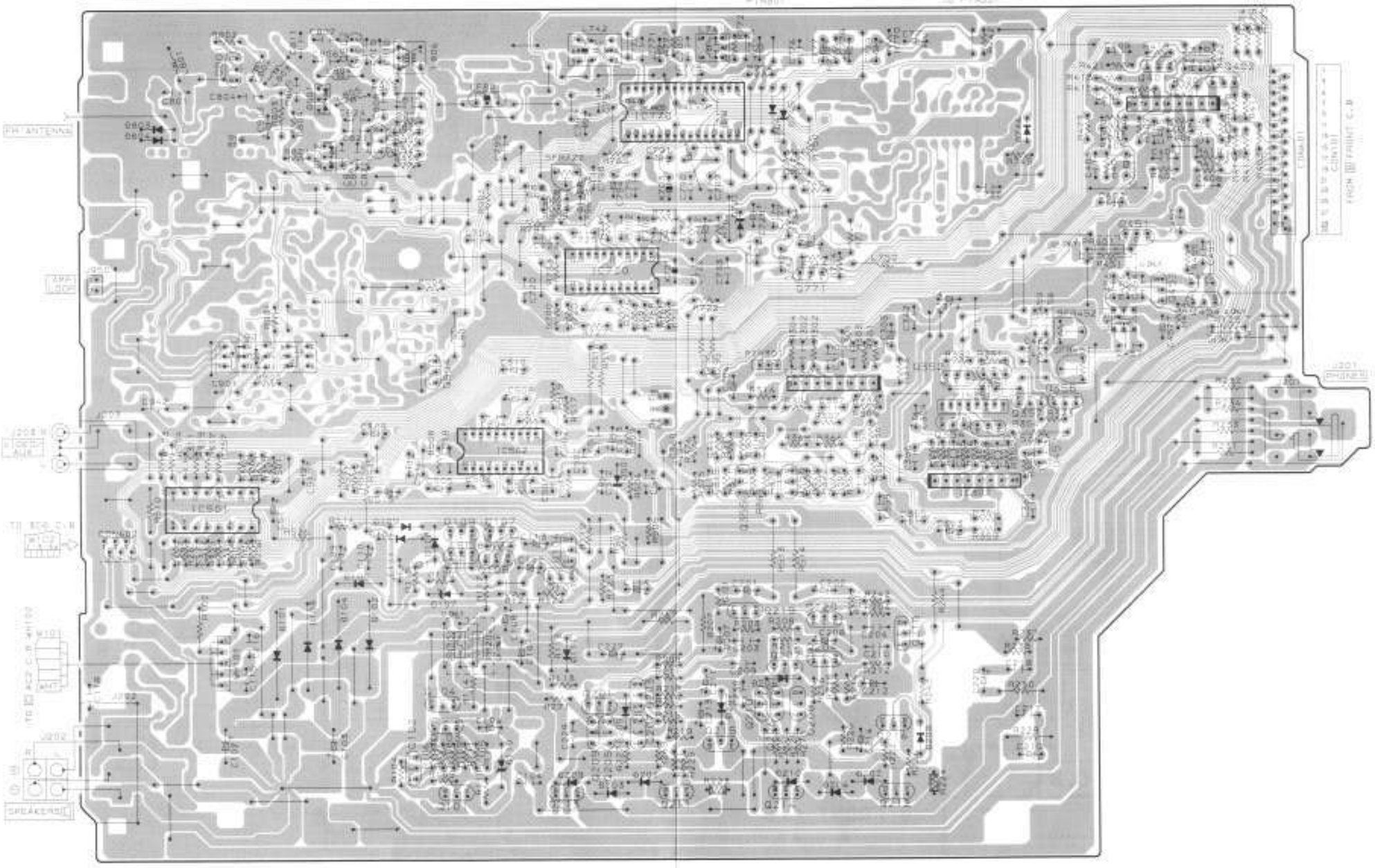
BLOCK DIAGRAM (MAIN / FRONT)



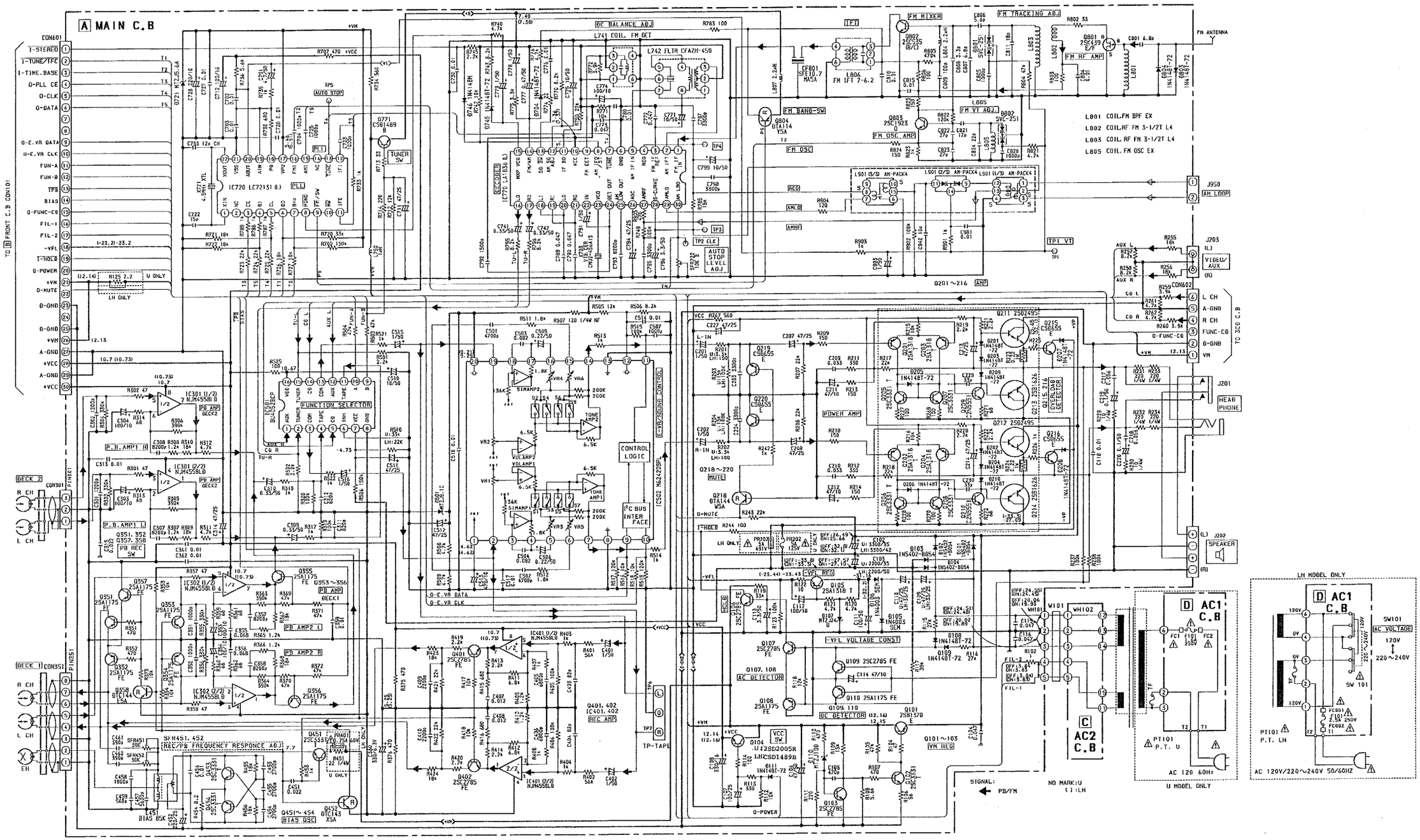
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J

A MAIN C.B

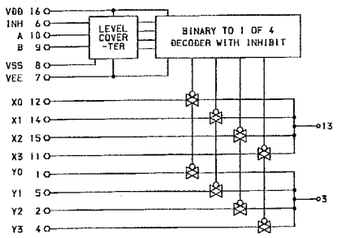


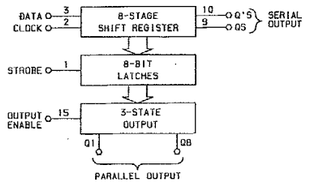
SCHEMATIC DIAGRAM - 1 (MAIN)



IC BLOCK DIAGRAM

IC, BU4052BCP

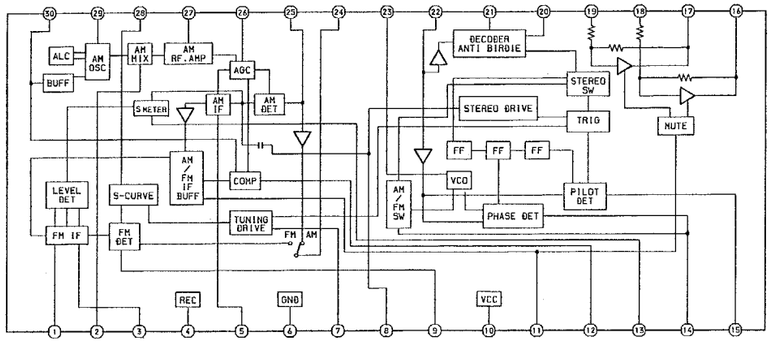




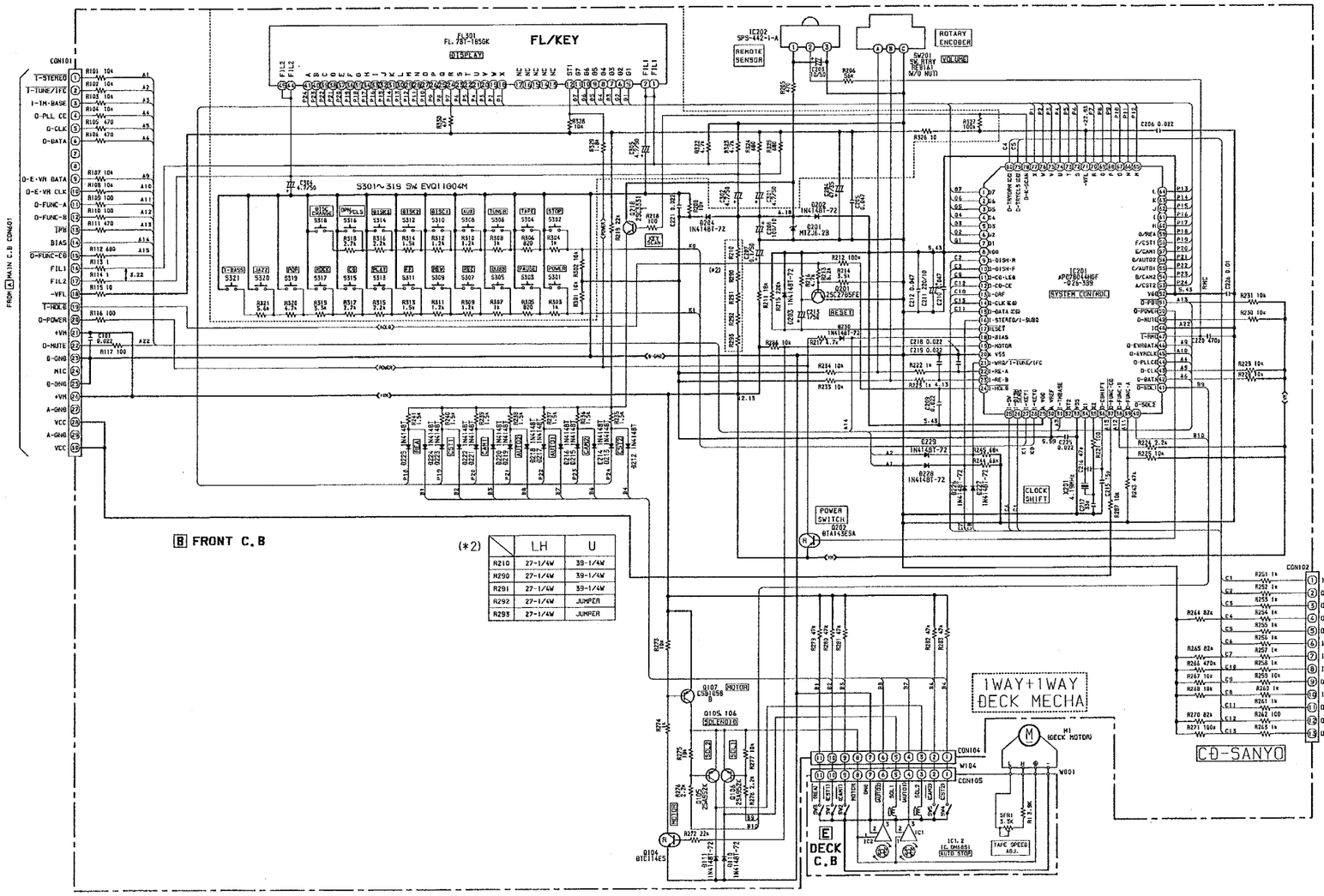
TRUTH TABLE

INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE

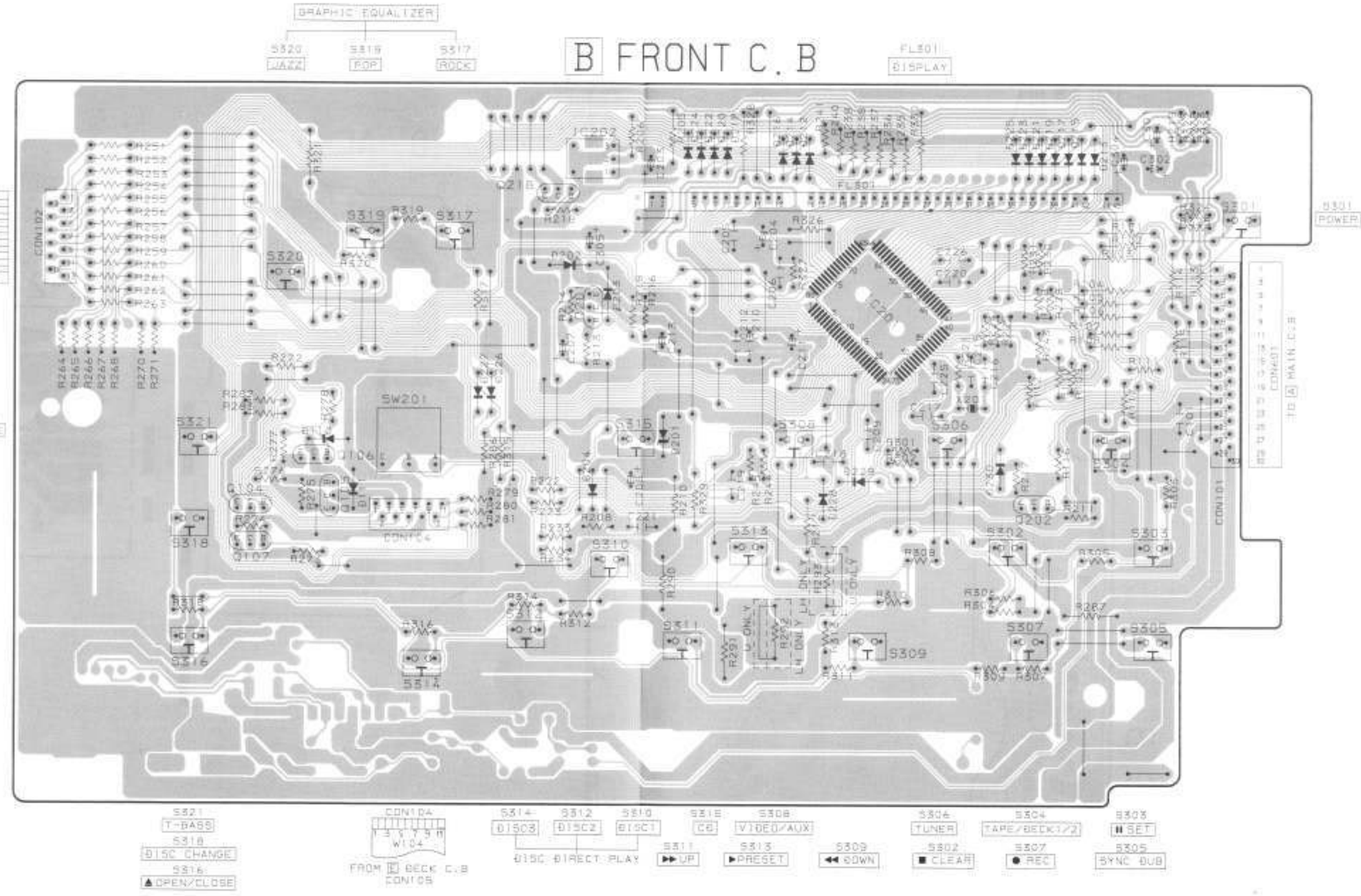
IC, LA1836



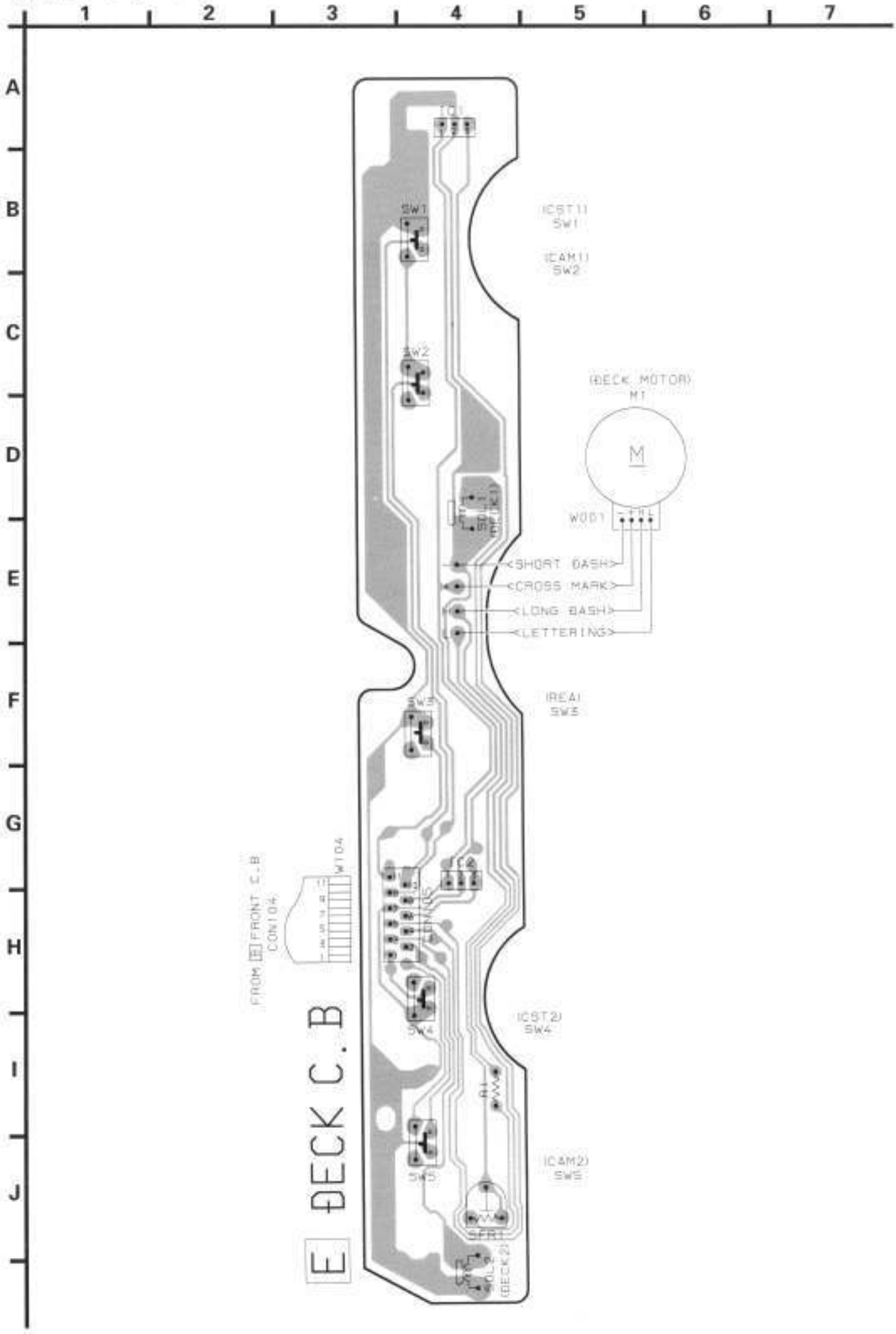
SCHEMATIC DIAGRAM - 2(FRONT)

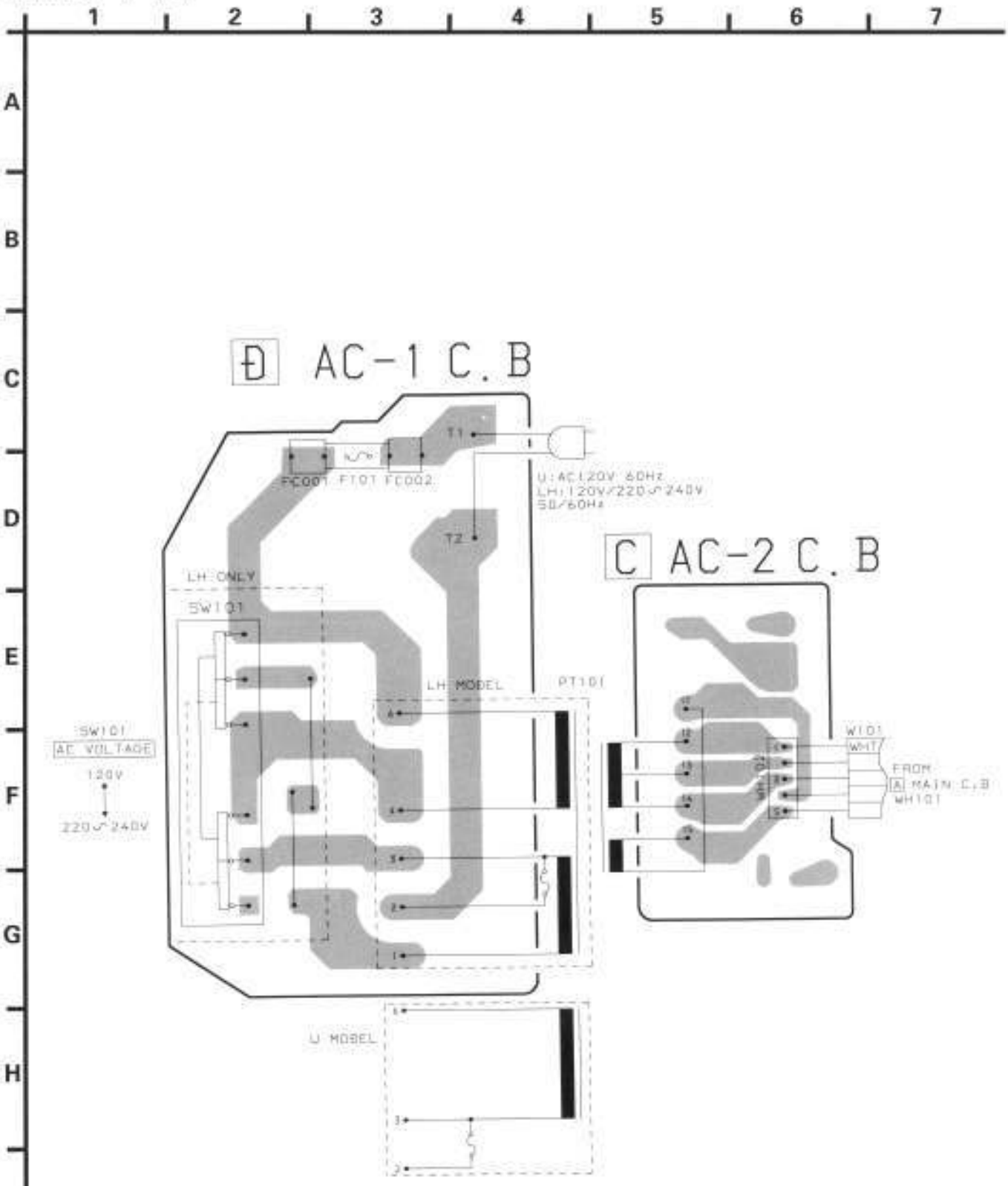


B FRONT C. B


GRAPHIC EQUALIZER
S320 JAZZ
S319 POP
S317 ROCK
FL501 DISPLAY
TO 5CO C.B
CON102
W102
S319
S317
S320
SW201
VOLUME
S321
T-BASS
S318
DISC CHANGE
S316
▲OPEN/CLOSE
CON104
W104
FROM E DECK C.B CON105
S314
DISC3
S312
DISC2
S310
DISC1
DISC DIRECT PLAY
S315
CD
S308
VIDEO/AUX
S311
▶▶UP
S313
▶PRESET
S309
◀◀DOWN
S306
TUNER
S302
■ CLEAR
S304
TAPE/DECK1/2
S307
● REC
S303
II SET
S305
SYNC DUB
S301
POWER
TO A MAIN C.B
CON101

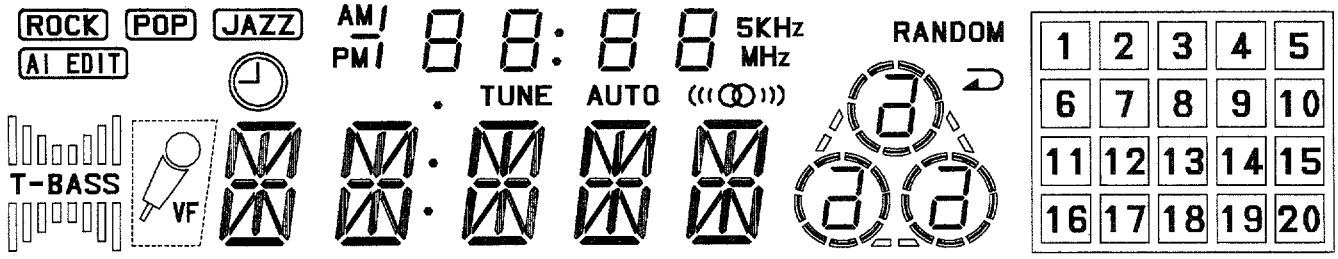
WIRING – 3 (DECK)



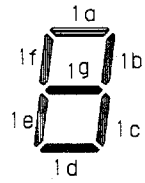

1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
J
Đ AC-1 C.B
T1
T2
FC001
FT01
FC002
U: AC 120V 60Hz
LH: 120V/220~240V
50/60Hz
LH ONLY
SW101
LH MODEL
PT101
U MODEL
SW101
AC VOLTAGE
120V
220~240V
C AC-2 C.B
W101
WHT
FROM
A MAIN C.B
WH101

FL (7BT - 185GK) GRID ASSIGNMENT & ANODE CONNECTION

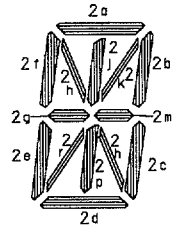
GRID ASSIGNMENT



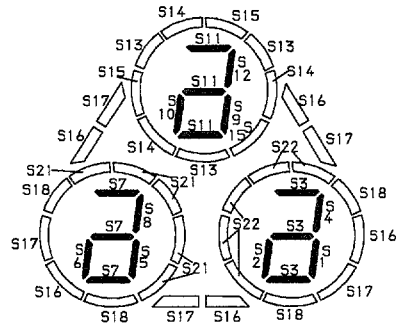
SEGMENT DESIGNATION



(6G ~ 3G)



(7G ~ 3G)



(2G)

ANODE CONNECTION

	7G	6G	5G	4G	3G	2G	1G
P1	2d	2d	2d	2d	2d	S1	20
P2	2j, 2p	2j, 2p	2j, 2p	2j, 2p	2j, 2p	S2	19
P3	2n	2n	2n	2n	2n	S3	18
P4	2r	2r	2r	2r	2r	S4	17
P5	2c	2c	2c	2c	2c	S5	16
P6	2e	2e	2e	2e	2e	S6	15
P7	2m	2m	2m	2m	2m	S7	14
P8	2g	2g	2g	2g	2g	S8	13
P9	2f	2f	2f	2f	2f	S9	12
P10	2b	2b	2b	2b	2b	S10	11
P11	2k	2k	2k	2k	2k	S11	10
P12	2h	2h	2h	2h	2h	S12	9
P13	2a	2a	2a	2a	2a	S13	8
P14	VF	•	TUNE	AUTO	((◎))	S14	7
P15	▮▮▮▮	○	○ (下)	—	MHz	S15	6
P16	AI EDIT	—	○ (上)	—	KHz	S16	5
P17	◔	—	—	—	5	S17	4
P18	PM	1d	1d	1d	1d	S18	3
P19	—	1e	1e	1e	1e	—	2
P20	/	1c	1c	1c	1c	—	1
P21	AM	1g	1g	1g	1g	S21	—
P22	(JAZZ)	1f	1f	1f	1f	S22	—
P23	(POP)	1b	1b	1b	1b	↩	—
P24	(ROCK)	1a	1a	1a	1a	RANDOM	—
P25	—	—	—	—	—	—	▦

7-BT-185GK
ANODE CONNECTION

IC DESCRIPTION

IC, μPD78044HGF-026-3B9

Pin No.	Pin Name	I/O	Description
1~7	G7~G1	O	FL grid output.
8	VDD	-	Power supply input.
9	O-DISH·R	O	CD turntable reverse rotation output.
10	O-DISH·F	O	CD turntable forward rotation output.
11	O-CD·LED	O	CD flash window LED ON/$\overline{\text{OFF}}$ output.
12	O-CDCE(CD)	O	CDCE output.
13	I-DRF	I	DRF input.
14	O-CLK(CD)	O	CLK output.
15	O-DATA(CD)	O	DATA output.
16	I-SUBQ(CD) / I-STEREO	I	SUB-Q input / Tuner stereo input.
17	$\overline{\text{RESET}}$	-	Reset input.
18	O-BIAS	O	DECK bias control ON/$\overline{\text{OFF}}$ output.
19	O-MOTOR	O	DECK motor ON/$\overline{\text{OFF}}$ output.
20	A VSS	-	GND.
21	I-WRQ (CD) / I-$\overline{\text{TUNE}}$ / IFC	I	CD-WRQ input / Tuner.SD input / IF data input.
22	I-RE.A	I	Rotary-encorder A input.
23	I-RE.B	I	Rotary-encorder B input.
24	I-$\overline{\text{HOLD}}$	I	Hold AD input.
25	I-CDSW (AD)	I	CD mecha SW AD input.
26	I-DISH SENS (AD)	I	CD turntable photo sensor A/D converter input.
27,28	I-KEY0,1(AD)	I	Key0, 1 input. (A/D)
29	A VDD	-	Power supply input.
30	A VREF	-	Reference voltage. (+5V)
31	I-TMBASE	I	Reference clock input for timer watch.
32	XT2	-	Not used.
33	VSS	-	GND.
34,35	X1,X2	I/O	511.47Hz oscillator circuit.
36	O-CSHIFT	O	Micon clock shift output. (active high)
37	O-$\overline{\text{FUNC·CD}}$	O	Power supply for CD. Output $\overline{\text{ON}}$/OFF.
38	O-FUNC·B	O	Function switch output.
39	O-FUNC·A		

	AUX	TUNER	CD	TAPE
O-FUNCA	0	0	1	1
O-FUNCB	0	1	0	1

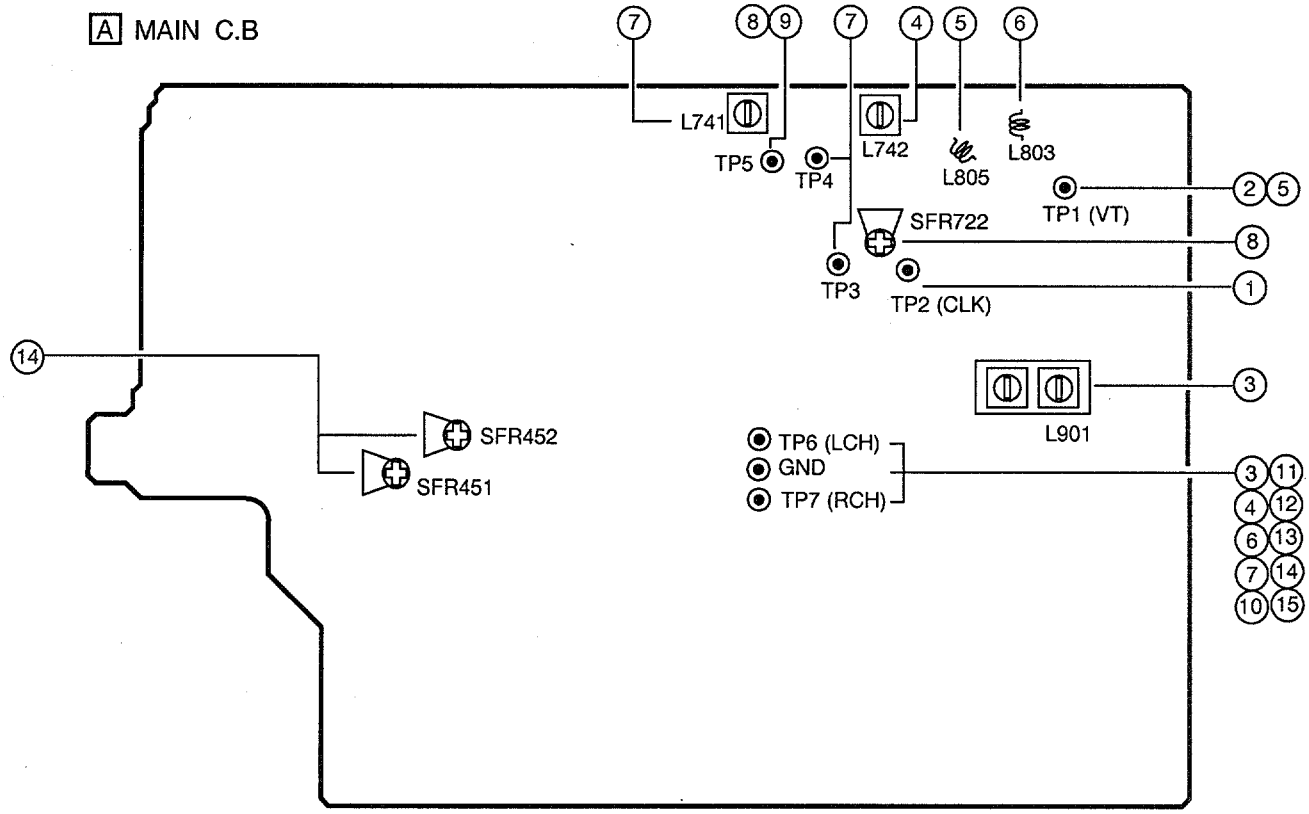
40	O-$\overline{\text{SOL2}}$	O	DECK SOL2 $\overline{\text{ON}}$/OFF output.
41	O-$\overline{\text{SOL1}}$	O	DECK SOL1 $\overline{\text{ON}}$/OFF output.
42	O-DATA	O	PLL IC data output.
43	O-CLK	O	PLL IC clock output.
44	O-PLLCE	O	PLL IC chip enable.
45	O-EVRCLK	O	Electrical volume clock output.

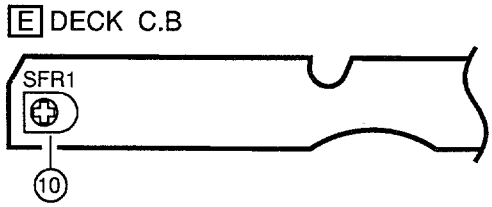
Pin No.	Pin Name	I/O	Description
46	O-EVRDATA	O	Electrical volume data output.
47	I-$\overline{\text{RMC}}$	I	System remote control signal input.
48	IC	-	Connected to GND.
49	O-MUTE	O	System mute output.
50	O-$\overline{\text{POWER}}$	O	System power supply $\overline{\text{ON}}$/OFF output.
51	O-$\overline{\text{PB1}}$	O	Playback Deck 1 and 2 switch output. "L" = Deck 1.
52	VDD	-	Power supply input.
53	A/CST2	O	FL segment output P24/DECK ($\overline{\text{CST2}}$) sw input.
54	B/CAM2	O	FL segment output P23/DECK ($\overline{\text{CAM2}}$) sw input.
55	C/AUTO1	O	FL segment output P22/DECK ($\overline{\text{AUTO1}}$) sw input.
56	D/AUTO2	O	FL segment output P21/DECK ($\overline{\text{AUTO2}}$) sw input.
57	E/CAM1	O	FL segment output P20/DECK ($\overline{\text{CAM1}}$) sw input.
58	F/CST1	O	FL segment output P19/DECK ($\overline{\text{CST1}}$) sw input.
59	G/REA	O	FL segment output P18/DECK ($\overline{\text{REA}}$) sw input.
60~70	H~R	O	FL segment output P17~P7
71	-VFL	-	Power for FL display.
72~77	S~X	O	FL segment output P6~P1.
78	O-K-SCAN	O	Key scan output .
79	O-TRYCLS (CD)	O	CD tray close data ouput.
80	O-TRYOPN (CD)	O	CD tray open data output.

IC, LC72131

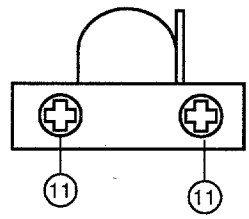
<table>
<tr><th>Pin No.</th><th>Pin Name</th><th>I/O</th><th>Description</th></tr>
<tr><td>1</td><td>XIN</td><td rowspan="2">I/O</td><td rowspan="2">A crystal oscillator (7.2MHz) is connected between these pins.</td></tr>
<tr><td>22</td><td>XOUT</td></tr>
<tr><td>2</td><td>NC</td><td>–</td><td>Not used.</td></tr>
<tr><td>3</td><td>CE</td><td>I</td><td>To enable the IC. Active "H".</td></tr>
<tr><td>4</td><td>DI</td><td>I</td><td>Digital data input from CPU (µPD78044HGF-026-3B9) when relevant key is operated. Active "H".</td></tr>
<tr><td>5</td><td>CLK</td><td>I</td><td>To clock in the data DI.</td></tr>
<tr><td>6</td><td>DO</td><td>O</td><td>Digital data output to CPU (µPD78044HGF-026-3B9).</td></tr>
<tr><td>7</td><td>TM-BASE</td><td>O</td><td>Outputs a reference clock signal (8Hz) for the clock.</td></tr>
<tr><td>8</td><td>$\overline{\text{MONO}}$ / BEAT</td><td>O</td><td>Outputs "H" when MONO / BEAT is switched.</td></tr>
<tr><td>9</td><td>$\overline{\text{FM}}$ / AM</td><td>O</td><td>Output "L" or "H" as follows:
<table>
<tr><th colspan="2">2 BAND</th><th colspan="3">3 BAND</th><th colspan="3">3 BAND</th></tr>
<tr><th>AM</th><th>FM</th><th>LW</th><th>MW</th><th>FM</th><th>MW</th><th>SW</th><th>FM</th></tr>
<tr><td>H</td><td>L</td><td>H</td><td>H</td><td>L</td><td>H</td><td>L</td><td>L</td></tr>
</table></td></tr>
<tr><td>10</td><td>$\overline{\text{MW}}$</td><td>O</td><td>Outputs "L" or "H" as follows:
<table>
<tr><th colspan="2">2 BAND</th><th colspan="3">3 BAND</th><th colspan="3">3 BAND</th></tr>
<tr><th>AM</th><th>FM</th><th>LW</th><th>MW</th><th>FM</th><th>MW</th><th>SW</th><th>FM</th></tr>
<tr><td>L</td><td>L</td><td>H</td><td>L</td><td>L</td><td>L</td><td>H</td><td>L</td></tr>
</table></td></tr>
<tr><td>11</td><td>IF-MUTE</td><td>O</td><td>To control internal counter.</td></tr>
<tr><td>12</td><td>IFIN</td><td>I</td><td>General purpose counter input.</td></tr>
<tr><td>13</td><td>$\overline{\text{TUNE}}$</td><td>I</td><td>Receives "L" when station is tuned.</td></tr>
<tr><td>14</td><td>NC</td><td>–</td><td>Not used.</td></tr>
<tr><td>15</td><td>A MIN</td><td>I</td><td>Receives the AM local oscillator frequency signal.</td></tr>
<tr><td>16</td><td>F MIN</td><td>I</td><td>Receives the FM local oscillator frequency signal.</td></tr>
<tr><td>17</td><td>VDD</td><td>–</td><td>Supply power to IC (+5V).</td></tr>
<tr><td>18</td><td>PD</td><td>O</td><td>PLL charge pump output.</td></tr>
<tr><td>19</td><td>AIN</td><td>I</td><td rowspan="2">The MOS transistor for PLL active low pass filter.</td></tr>
<tr><td>20</td><td>AOUT</td><td>O</td></tr>
<tr><td>21</td><td>VSS</td><td>–</td><td>Ground.</td></tr>
</table>

ADJUSTMENT <TUNER / DECK>





DECK–1 P, DECK–2 R / P



< TUNER SECTION >

1. Clock Frequency Check
   Settings : • Test point : TP2
   Method : Set to AM 1710kHz and check that the test point is 2160kHz ± 0.08kHz.

2. AM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to MW 1710kHz and check that the test point is 6.2V ± 1.0V.

3. AM Tracking Adjustment
   Settings : • Test point : TP6, TP7
   • Adjustment location : L901
   Method : Set to AM 1000kHz and adjust L901 so that the test point becomes maximum.

4. AM IF Adjustment
   Settings : • Test point : TP6, TP7
   • Adjustment location :
   L742.....450kHz

5. FM VT Adjustment
   Settings : • Test point : TP1 (VT)
   • Adjustment location : L805
   Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 1.0V (87.5MHz) and adjust L805 so that the test point becomes 7.0V ± 0.05V (108.0MHz).

6. FM Tracking Adjustment
   Settings : • Test point : TP6, TP7
   • Adjustment location : L803 ..... 87.5MHz
   Method : The level at 87.5MHz is adjusted by L803 so that the test point is 0 ± 6dB (87.5MHz) and 4dB ± 6dB (108.0MHz).

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC balance)
   : TP6, TP7 (Distortion)
   • Adjustment location : L741
   • Input level : 54dB
   Method : Set to FM 98.0MHz and adjust L741 so that the voltage between TP3 and TP4 becomes 0V ± 0.04V.
   Next, check that the distortion is less than 3%.

8. Auto Stop Level Adjustment
   Settings : • Test point : TP5
   • Adjustment location : SFR722
   • Input level : 54dB
   Method : Set to FM 98.0 MHz and adjust voltage low (about 0.1V) by SFR722. After that voltage high (about 7.0V) by 2dB down.

9. Auto Stop Level Check

   AM
   Settings : • Test point : TP5
   • Input level : 54dB
   Method : Set to AM 1000kHz and check that the test point is 58 +10/-15dB.

   FM
   Settings : • Test point : TP5
   • Input level : 54dB
   Method : Set to FM 98.0MHz and check that the test point is 20 dB ± 10 dB.

< DECK SECTION >

10. Tape Speed Adjustment
    Settings : • Test tape : TTA–410
    • Test point : TP6, TP7
    • Adjustment location : SFR1
    Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz.

11. Head Azimuth Adjustment
    Settings : • Test tape : TTA–410
    • Test point : TP6, TP7
    • Adjustment location : Head azimuth adjustment screw
    Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD and REV PLAYmode.

12. PB Frequency Response Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–410
    • Test point : TP6, TP7
    Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is 0 ± 5dB

13. PB Sensitivity Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–200
    • Test point : TP6, TP7
    Method : Play back the test tape and check that the output level of the test point is 150mV ± 3.0dB .

14. REC/PB Frequency Response Adjustment
    Settings : • Test tape : TTA–602
    • Test point : TP6, TP7
    • Input signal : 1kHz / 10kHz (LINE IN)
    • Adjustment location : SFR451 (Lch)
    SFR452 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP6, TP7 becomes 11mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 12mV (+1.0dB) ± 0.5dB with respect to that of the 1kHz signal.

15. REC/PB Sensitivity Check
    Settings : • Test tape : TTA–602
    • Test point : TP6, TP7
    • Input signal : 1kHz (LINE IN)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP6, TP7 becomes 11mV. Record and play back the 1kHz signals and check that the output is 10mV (-1.0dB) ± 2.5dB.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity :	3dB ± 6dB
(THD 3%)	[at 87.5MHz]
	2dB ± 6dB
	[98.0MHz]
	2dB +8/-4dB
	[at 108.0MHz]
S/N 50dB Quieting sensitivity :	
	Less than 35dB
	[at 87.5 / 98.0 / 108.0MHz]
Signal to noise ratio :	More than 60dB (STEREO)
	More than 70dB (MONO)
	[at 98.0MHz]
Distortion :	Less than 2.0% (STEREO)
	Less than 1.3% (MONO)
	[at 98.0MHz]
Auto stop level :	20dB +10/-15dB [at 98.0MHz]
Stereo separation :	More than 28dB
	[at 98.0MHz]
Intermediate frequency :	10.7MHz

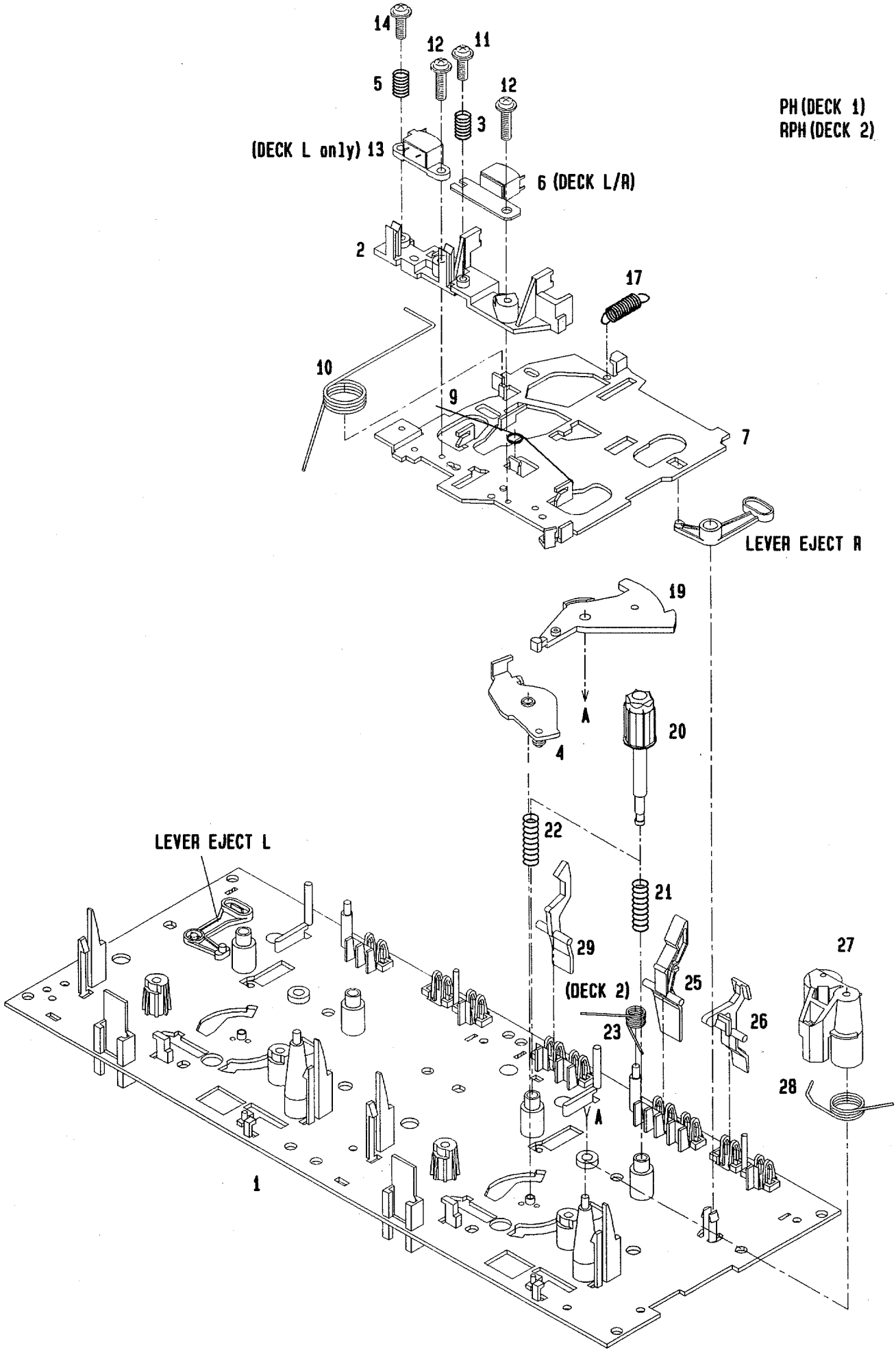
<AM(MW) SECTION>

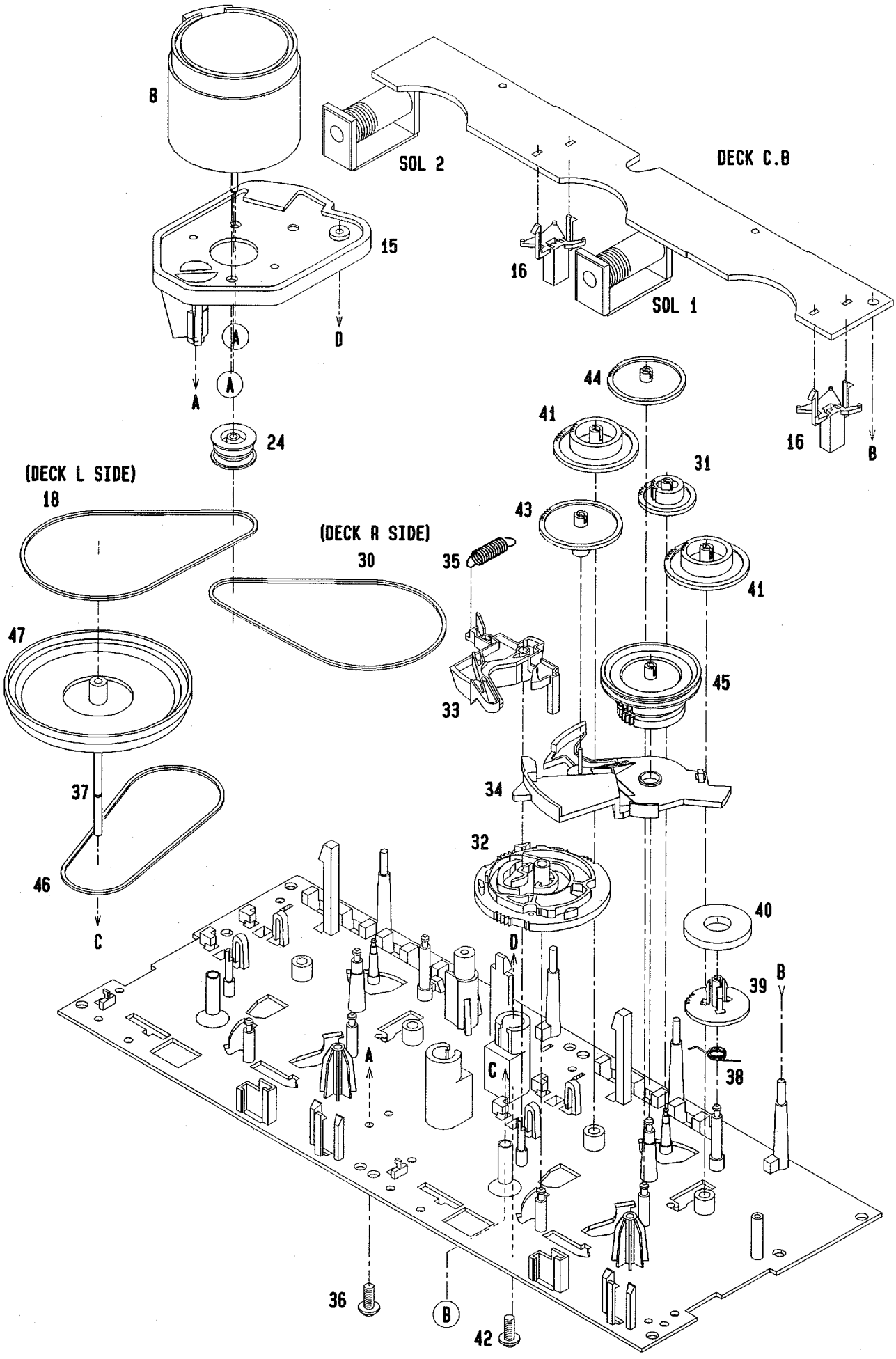
Sensitivity :	52 ~ 64dB
(S/N 20 dB)	[at 600kHz]
	46 ~ 58dB
	[at 1000/1400kHz]
Signal to noise ratio :	More than 30dB
	[at 1000kHz]
Distortion :	Less than 1.5%
	[at 1000kHz]
Auto stop level :	58dB +10/-5dB
	[at 1000kHz]
Intermediate frequency :	450kHz

<DECK SECTION>

Tape speed :	3000Hz ± 45Hz
Wow & flutter :	Less than 0.25%
	(W.R.M.S)
Take-up torque :	30 ~ 55g-cm
	(FWD, REV)
F.F & REW torque :	75 ~ 180g-cm
Back tension :	2 ~ 7g-cm
	(FWD, REV)
PB output level :	2.8V ± 3dB
	(SP OUT 2V)
REC/PB output level :	2.0V ± 3.5dB
	(SP OUT 2V, 0VU)
Distortion (REC/PB) :	Less than 2.0%
	(NORM, 0VU)
Noise level (PB) :	Less than 25mV
	(NORM, SP OUT 2V)
Noise level (REC/PB) :	Less than 30mV
	(NORM, SP OUT 2V, 0VU)
Crosstalk :	More than 55dB
	(1kHz)
Channel separation :	More than 35dB
	(1kHz)
Erasing ratio :	More than 55dB
	(at 125Hz, 10VU)
Test tape :	TTA-602 (NORMAL)

TAPE MECHANISM EXPLODED VIEW 1 /1

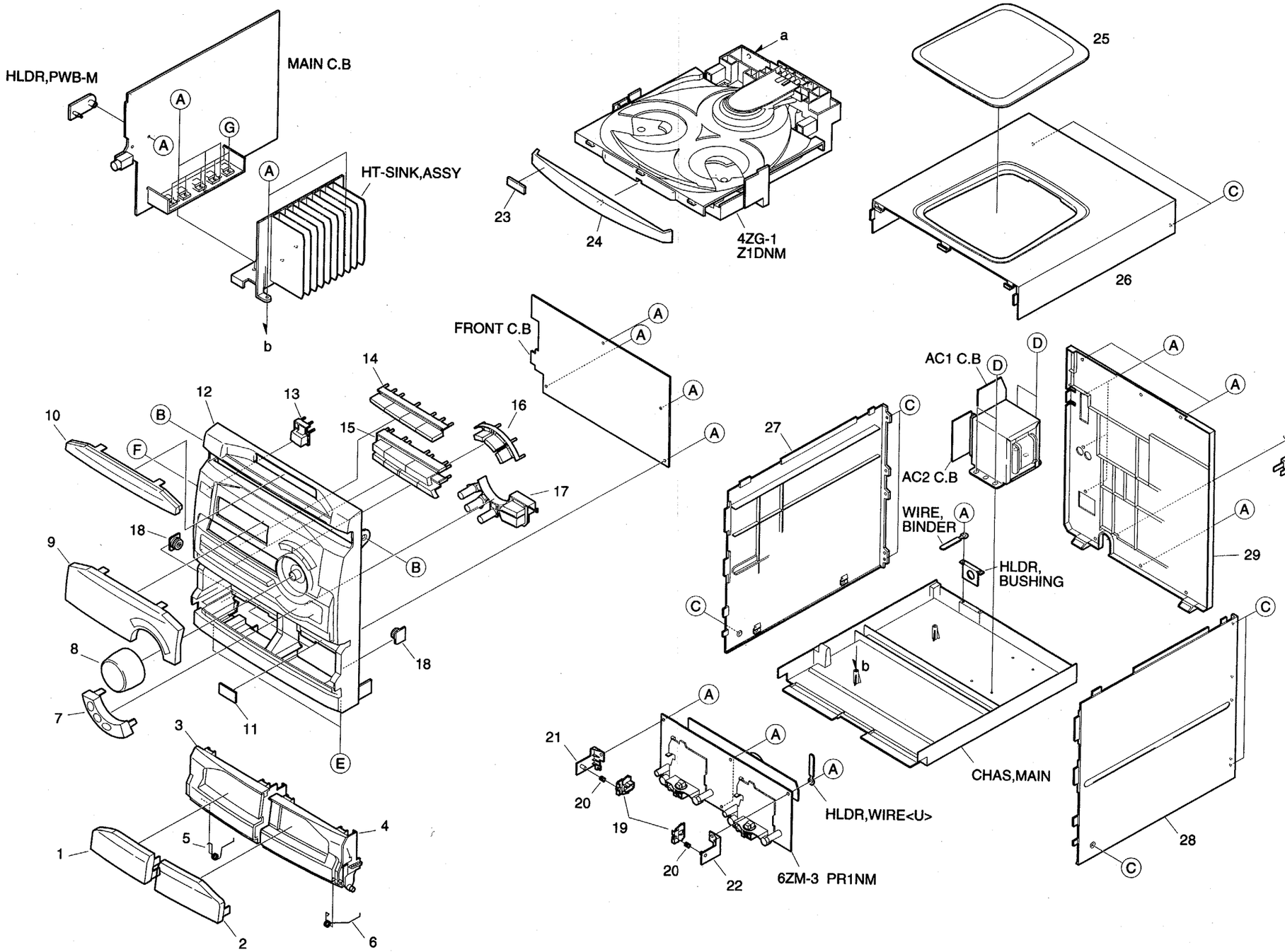



8
SOL 2
DECK C.B
15
16
SOL 1
D
A
A
A
44
41
24
16
B
(DECK L SIDE)
18
31
43
(DECK R SIDE)
30
35
41
47
45
33
37
34
32
46
C
40
D
39
B
A
C
38
36
B
42

TAPE MECHANISM PARTS LIST 1 / 1

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM3-212-010		CHAS ASSY,SS
2	86-ZM3-202-010		BASE,HEAD S
3	86-ZM3-205-010		SPR-C,RPH S
4	82-ZM1-333-210		PLATE,LINK 2
5	86-ZM3-206-010		SPR-C,EH S
6	87-A90-403-019		HEAD,RPH MS15R
7	86-ZM3-201-010		CHAS,HEAD S
8	87-045-347-019		MOT,SHU2L 70(M1)
9	82-ZM1-269-219		SPR-T,BRG
10	82-ZM3-323-119		SPR-T,LINK
11	86-ZM3-209-010		S-SCREW,ASIMUTHS
12	86-ZM3-207-010		S-SCREW,RPH
13	87-A90-404-019		HEAD,EH LE15B
14	86-ZM3-208-010		S-SCREW,EH
15	86-ZM3-203-010		HLDR,MOTS
16	82-ZM1-245-210		HLDR,IC
17	82-ZM1-218-019		SPR-E,HB
18	82-ZM3-329-210		BELT,SBU R2
19	82-ZM1-222-219		LVR,PLAY
20	82-ZM1-217-419		REEL TABLE
21	82-ZM1-244-519		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-019		SPR-T,CAS
24	82-ZM3-221-010		PULLEY,MOT 2M
25	82-ZM1-242-019		LVR,CAS
26	82-ZM1-243-019		LVR,STOP
27	82-ZM1-344-119		LVR ASSY,PINCH
28	86-ZM3-204-010		SPR-T,PINCHDS
29	82-ZM1-240-119		LVR,REC (DECK 2)
30	82-ZM3-328-110		BELT,SBU P2
31	82-ZM1-223-010		GEAR,PLAY
32	82-ZM3-305-019		GEAR,CAM M2
33	82-ZM1-227-319		LVR,TRIG
34	82-ZM3-306-110		LVR,FR M2
35	82-ZM1-265-119		SPR-E,TRIG
36	85-ZM3-203-019		S-SCREW MOTOR M3
37	82-ZM1-236-019		CAPSTAN N 2-41.5
37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
38	82-ZM1-322-019		SPR-T,FR60
39	82-ZM1-220-219		GEAR,IDLER
40	82-ZM3-616-019		RING MAGNET 4
41	82-ZM1-216-319		GEAR,REEL
42	85-ZM3-213-010		S-SCREW,HLDR,MOT 3
43	82-ZM1-225-219		GEAR,FR
44	82-ZM1-226-019		GEAR,REW
45	82-ZM3-333-210		SLIP DISK ASSY 2
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-349-019		FLY-WHL RW (DECK L)
47	82-ZM3-331-019		FLY-WHL R2W (DECK R)
A	87-251-071-417		U+2.6-4
B	80-ZM6-243-019		SH,1.75-3.6-0.5 SLT

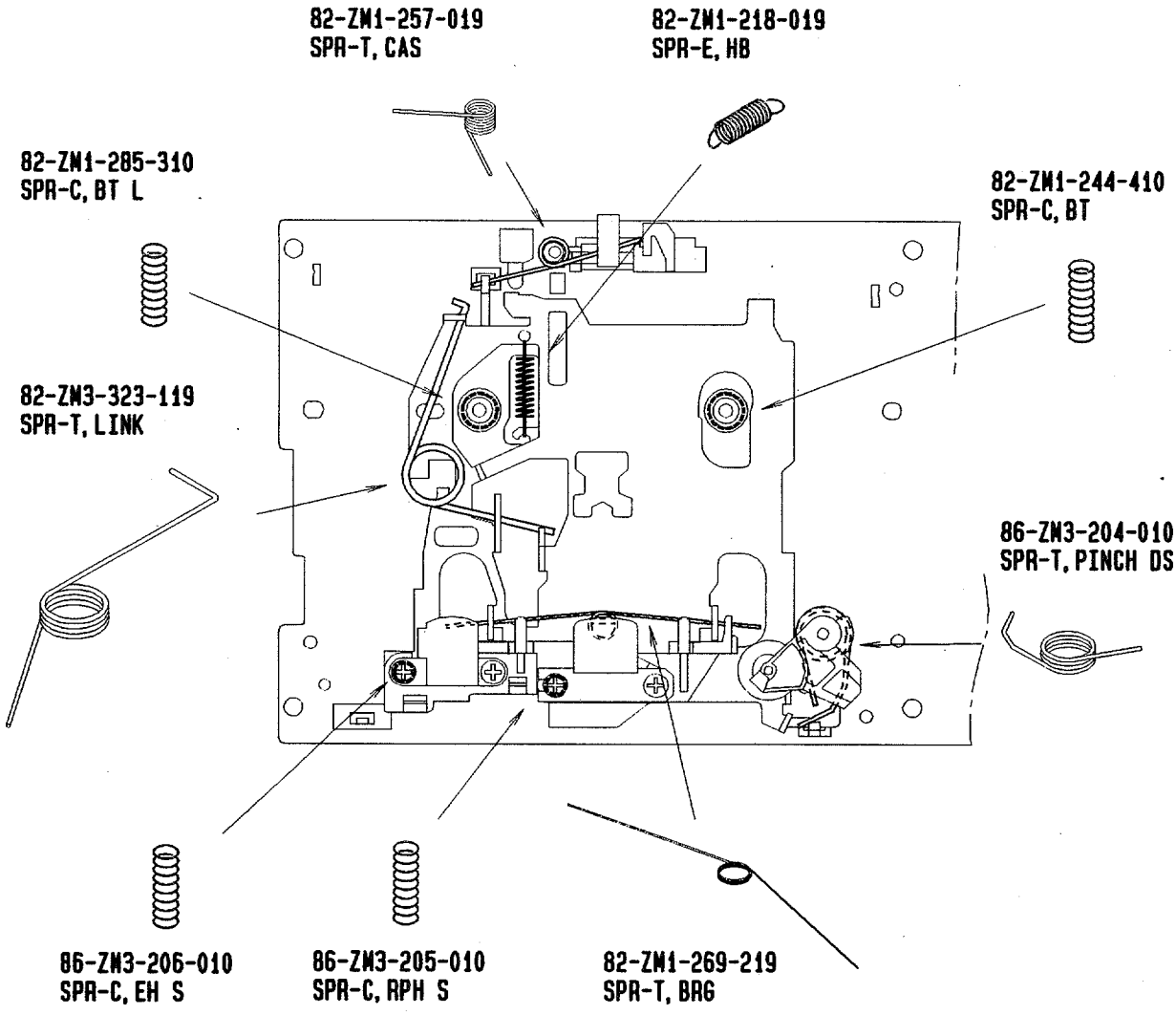

HLDR,PWB-M
MAIN C.B
HT-SINK,ASSY
FRONT C.B
4ZG-1
Z1DNM
AC1 C.B
AC2 C.B
WIRE,
BINDER
HLDR,
BUSHING
CHAS,MAIN
HLDR,WIRE<U>
6ZM-3 PR1NM

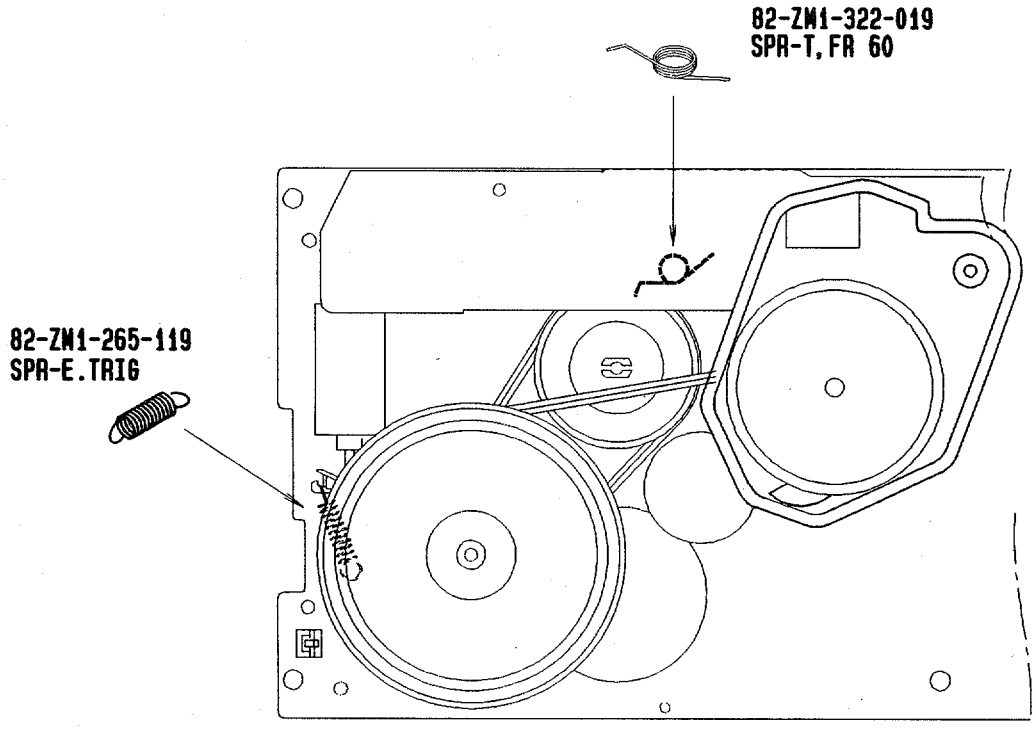
MECHANICAL PARTS LIST 1 / 1

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NF8-014-010		WINDOW,CASS 1
2	87-NF8-015-010		WINDOW,CASS 2
3	87-NF8-003-010		BOX,CASS 1<A22U>
3	87-NF8-025-010		BOX,CASS 1H<S22LH>
4	87-NF8-004-010		BOX,CASS 2<A22U>
4	87-NF8-026-010		BOX,CASS 2H<S22LH>
5	82-NF5-218-010		SPR-T,EJECT 1 (SIN)
6	82-NF5-219-010		SPR-T,EJECT 2 (SIN)
7	87-NF8-019-010		PANEL,CD
8	87-NF8-012-010		KNOB,RTRY VOL
9	87-NF8-013-010		WINDOW,DISPLAY
10	87-NF8-016-010		WINDOW,CD
11	81-532-080-010		LABEL, CASS. COMPT
12	87-NF8-022-010		CABI,FR LH<S22LH>
12	87-NF8-001-010		CABI,FR U<A22U>
13	87-NF8-005-010		KEY,POWER
14	87-NF8-008-010		KEY,FUN
15	87-NF8-010-010		KEY,OPE
16	87-NF8-007-010		KEY,GEQ
17	87-NF8-006-010		KEY,CD
18	87-063-165-010		OIL-DMPR 150
19	82-NF5-229-010		PLATE,LOCK
20	82-NF5-228-010		SPR-C,LOCK
21	87-NF4-216-010		HLDR,LOCK 1
22	87-NF4-217-010		HLDR,LOCK 2
23	82-NE6-067-010		BADGE,AIWA 30N
24	87-NF8-018-010		PANEL,TRAY
25	86-NFZ-001-010		WINDOW,TOP
26	87-NF8-045-010		PANEL,TOP ST<S22LH>
26	87-NF8-050-010		PANEL,TOP STU<A22U>
27	87-NF8-042-010		PANEL,LEFT 2 ST<S22LH>
27	87-NF8-047-010		PANEL,LEFT 2 STU<A22U>
28	87-NF8-044-010		PANEL,RIGHT 2 ST<S22LH>
28	87-NF8-049-010		PANEL,RIGHT 2 STU<A22U>
29	87-NF8-032-010		CABI,REAR LHSTNM<S22LH>
29	87-NF8-002-010		CABI,REAR USTNM<A22U>
⚠ 30	87-050-053-010		AC CORD ASSY,U-2<A22U>
⚠ 30	87-050-079-010		AC-CORD ASSY,E<S22LH>
31	87-085-185-010		BUSHING, AC CORD (E)<S22LH>
31	87-085-189-010		BUSHING, CORD (U)<A22U>
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-721-097-410		QT2+3-12 GLD
C	87-B10-091-010		UTT2+3-10 W/O BLK
D	87-741-172-410		UT2+4-12 W/O SLOT
E	87-067-758-010		BVT2+3-12 W/O SLOT
F	87-723-096-410		QT2+3-10 W/O SLOT
G	87-067-579-010		TAPPING SCREW, BVT2+3-8

SPRING APPLICATION POSITION



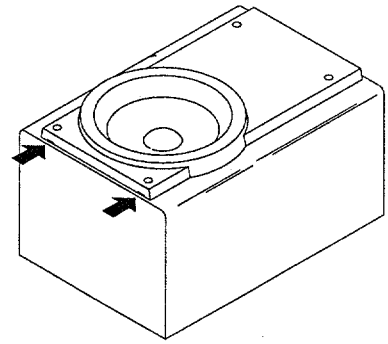


SPEAKER DISASSEMBLY INSTRUCTIONS

Type.1

矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットのビスを取り、スピーカーユニットを外してください。

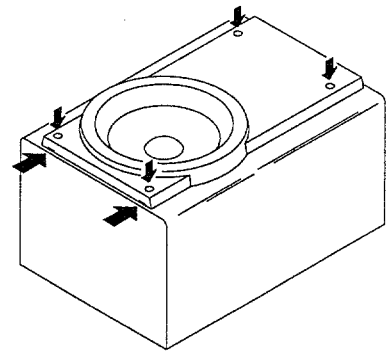
Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



Type.2

グリルフレームを外し、4個のゴムキャブをマイナスドライバーで端の方から持ち上げて外すと中にビスが有りますので、ビスを取り外します。矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットのビスを取り、スピーカーユニットを外してください。

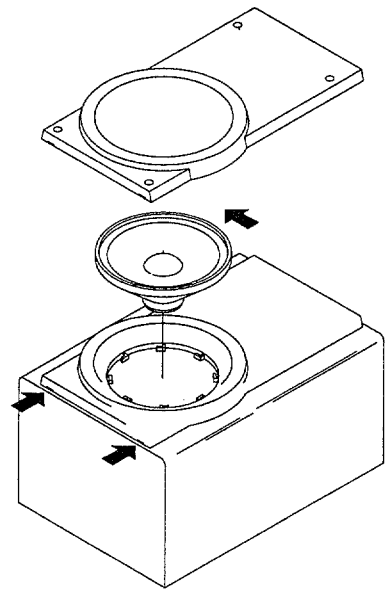
Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then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



Type.3

矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットの凹にマイナスドライバーを差し込んで、反時計方向に回転させスピーカーユニットを外してください。スピーカーユニット交換後は時計方向にクリック音がするまで、回転させて取り付けます。

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 arround speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



SPEAKER PARTS LIST 1 / 1 (SX-NS22 <YL>, SX-NA22 <YU>)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NSH-001-019		PANEL,FR R
2	87-NSH-002-019		PANEL,FR L
3	87-NSH-005-019		NET
4	87-NS7-611-019		CORD,SPKR
5	87-NSJ-602-019		SPKR,120
6	86-NSZ-602-019		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-NF8-902-010		IB,LH(ES)M<LH>
1	87-NF8-903-010		IB,U(ESF)M<U>
2	86-NFZ-638-010		RC UNIT,6AS14
3	87-A90-054-010		ANT,LOOP AM-CON C
⚠ 4	87-A90-312-010		PLUG,CONVERSION WTN-1157R1<LH>

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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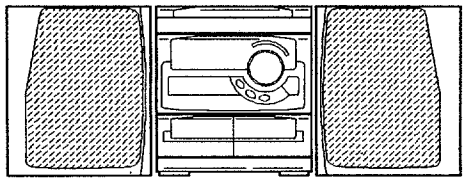
NSX-S22
NSX-A22

SERVICE MANUAL



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM : 6ZM-3 PR1NM
- BASIC CD MECHANISM : 4ZG-1 Z1DNM
- TYPE: U(A22), LH(S22)

SYSTEM	CD-CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-S22 (LH)	CX-NS22	SX-NS22	RC–6AS14
NSX-A22 (U)	CX-NA22	SX-NA22	RC–6AS14

- If requiring information about the CD mechanism, see service manual of 4ZG-1. (S/M Code No. 09-974-187-50T)

S/M Code No. 09–977–202–7FE