

SERVICE MANUAL

COMPACT DISC
STEREO SYSTEM

BASIC TAPE MECHANISM : 6ZM-1 AR3NM
BASIC CD MECHANISM : AZG-1 YZD3RDM

SYSTEM	CD	SPEAKERS	REMOTE
XH-A1000	CX-A1000	SX-WA1000 SX-C1800 SX-R1800	RC-AAS01

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" XH-A1000 (EZ,K), (S/M Code No. 09-005-421-4T2).
- If requiring information about the CD mechanism, see Service Manual of AZG-1 (S/M Code No. 09-001-335-3N8).

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SPECIFICATIONS

Main unit CX-A1000

<FM Tuner section>

Tuning range 87.5 MHz to 108 MHz
Usable sensitivity (IHF) 16.8 dBf
Antenna terminal 75 ohms (unbalanced)

<MW Tuner section>

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

<LW Tuner section>

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

<Amplifier section>

Mid-high frequency amplifier

Power output

Front
 Rated: 80 W + 80 W
 (8 ohms, T.H.D. 1 %, 200 Hz-20 kHz)
 Reference: 100 W + 100 W
 (8 ohms, T.H.D. 10 %, 200 Hz-20 kHz)

Rear (Surround)

Rated: 80 W + 80 W (8 ohms,
 T.H.D. 1 %, 1 kHz)
 Reference: 100 W + 100 W
 (8 ohms, T.H.D. 10 %, 1 kHz)

EZ:

DIN MUSIC POWER: 160 W+60W

Center

Rated: 80 W (8 ohms, T.H.D. 1 %, 1 kHz)
 Reference: 100 W (8 ohms, T.H.D. 10 %, 1 kHz)

Total harmonic distortion 0.15 % (40 W, 1 kHz, 8 ohms, DIN AUDIO/Front)

Low frequency + Sub woofer amplifier

Power output

Rated: 200 W + 200 W (6 ohms, T.H.D. 1 %, 100 Hz)
 Reference: 250 W + 250 W
 (6 ohms, T.H.D. 10 %, 100 Hz)
EZ:
 DIN MUSIC POWER: 320 W+320 W

Total harmonic distortion 0.15 % (100 W, 100 Hz, 6 ohms, DIN AUDIO/Front)

Inputs

AUX: 310 mV
 PHONO: 400 mV
 VIDEO1, VIDEO2, VIDEO3: 310 mV
 5.1CH INPUT (adjustable)
 FRONT: 300 mV
 SURROUND: 300 mV
 CENTER: 600 mV
 SUB WOOFER: 300 mV

Outputs

MIC1, MIC2: 1.4 mV (20 kohms)
 CD DIGITAL OUT (OPTICAL)
SPEAKERS:
 LOW + SUB WOOFER: 6 ohms
 HIGH: 8 ohms
 SURROUND SPEAKERS: accept speakers of 8 – 16 ohms
 CENTER SPEAKER: accepts speaker of 8 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 CrO2 tape: 50 Hz – 16000 Hz
 Normal tape: 50 Hz – 15000 Hz
Signal-to noise ratio 60 dB (Dolby B NR ON, CrO2 tape peak level, above 400 Hz)
Recording system AC bias
Heads 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 0.03 % (1 kHz, 0 dB)

<General>

Power requirements 230 V AC, 50 Hz
Power consumption 350 W
Dimensions of main unit (W x H x D) 360 x 372 x 423 mm
Weight of main unit 18.5 kg

Speaker system SX-WA1000

Cabinet type 4 way, built-in subwoofer
Speakers Subwoofer: 220 mm cone type
 Woofer: 160 mm cone type
 Tweeter: 60 mm cone type
 Super tweeter: 20 mm ceramic type
Impedance 6 ohms / 8 ohms
Output sound pressure level 89 dB/W/m
Dimensions (W x H x D) 250 x 592 x 300 mm
Weight 11.7 kg


Speaker system SX-R1800

Speakers Full-range: 100 mm x 1, cone type
Impedance 8 ohms
Dimensions (W x H x D) 120 x 230 x 175 mm
Weight 1.9 kg

Speaker system SX-C1800

Speakers Full-range: 100 mm x 2, cone type
Impedance 8 ohms
Dimensions (W x H x D) 430 x 120 x 175 mm
Weight 2.7 kg

- Design and specifications are subject to change without notice.

- Manufactured under license from Dolby Laboratories Licensing Corporation.
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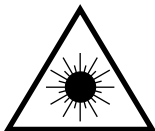
- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
 Under license from BBE Sound, Inc.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laitteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

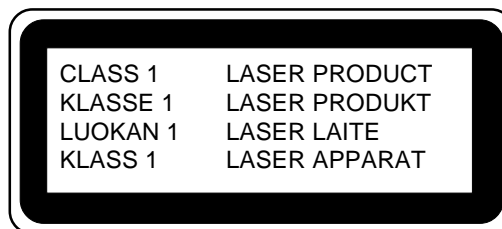
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

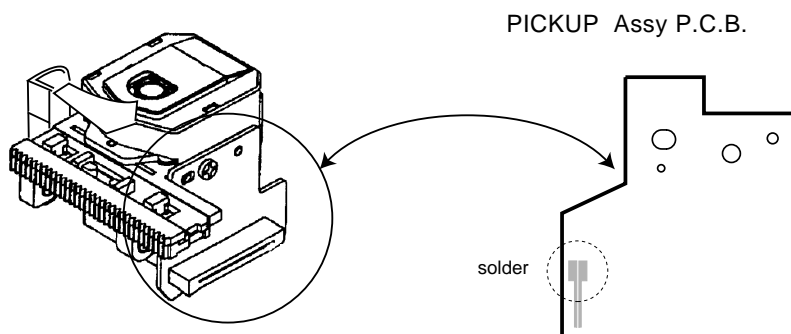
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block (KSM – 880CAB)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

- ① Remove the AC power cord.
- ② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
- ③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
- ④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
- ⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

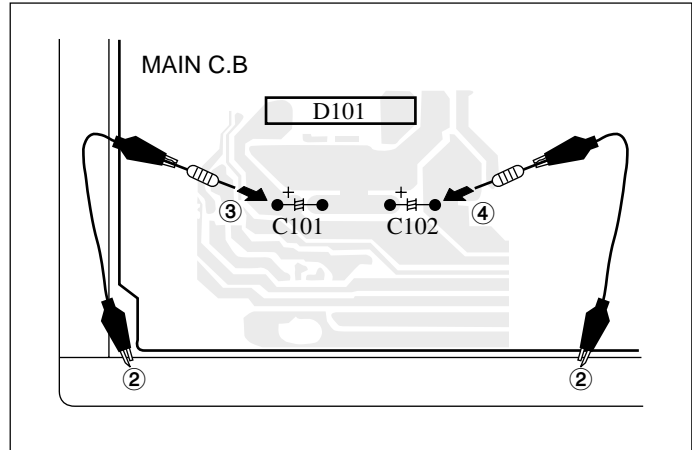


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

- ① Turn on the AC main power.
- ② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
- ③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

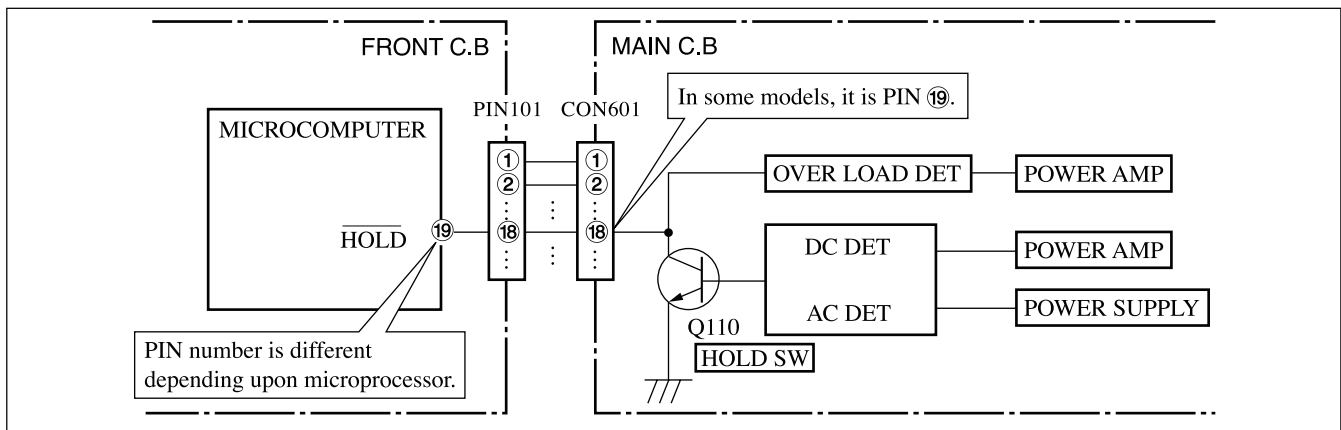


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.

When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

- ① Remove the AC power cord.

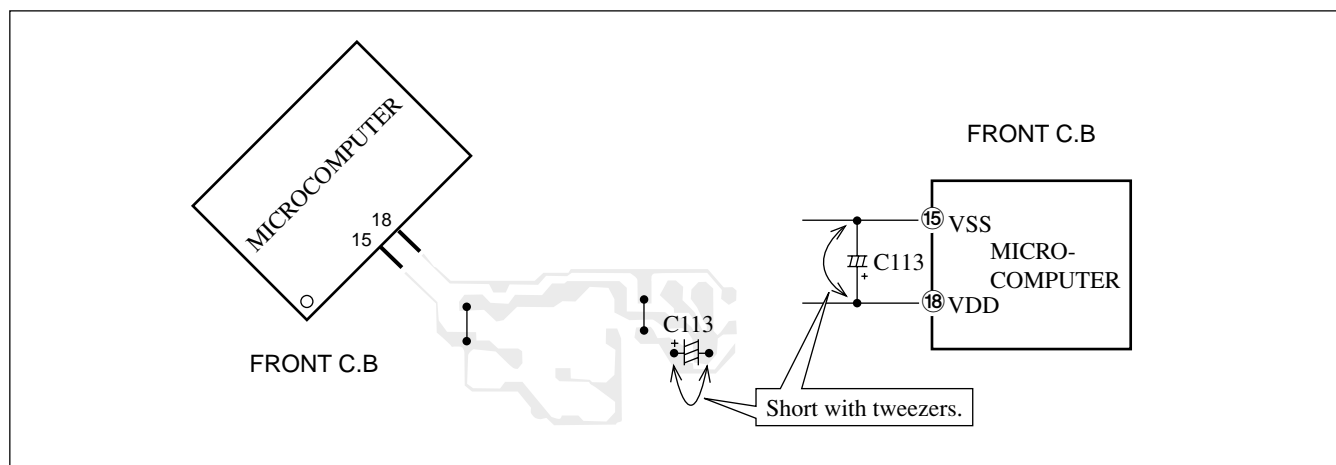


Fig-2-2

- ② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
- ③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

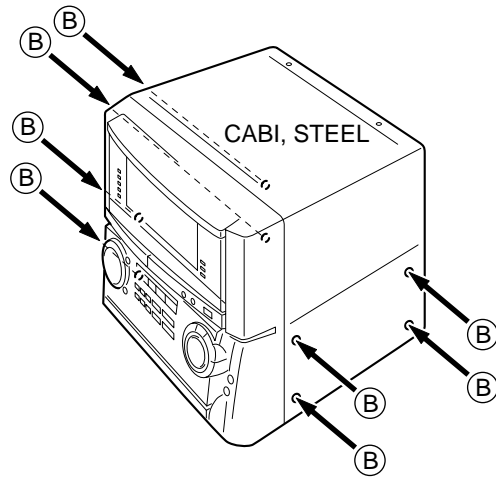
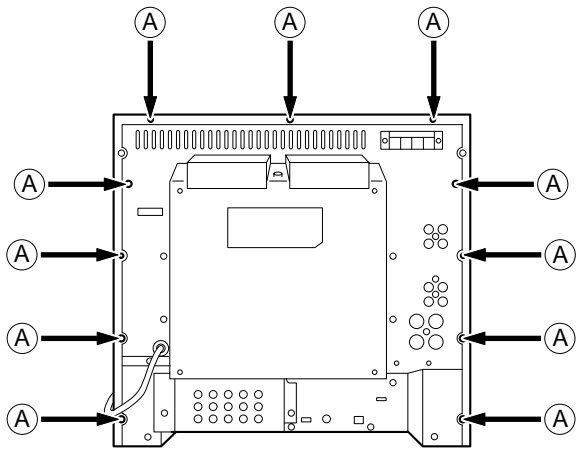
2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

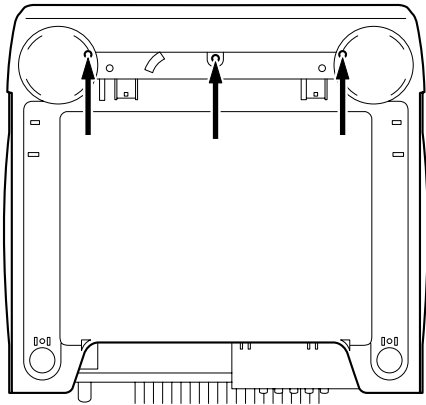
DISASSEMBLY INSTRUCTIONS

CD disassembling procedure

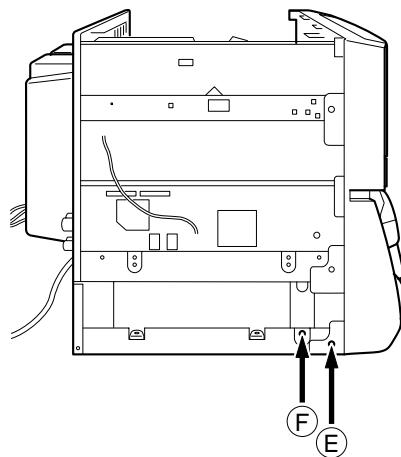
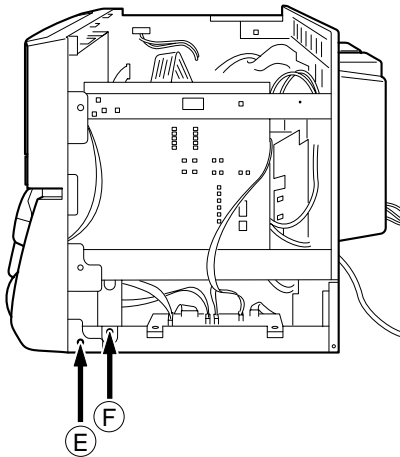
1. Remove the 19 screws (A)x11, (B)x8) and remove the CABI, STEEL.



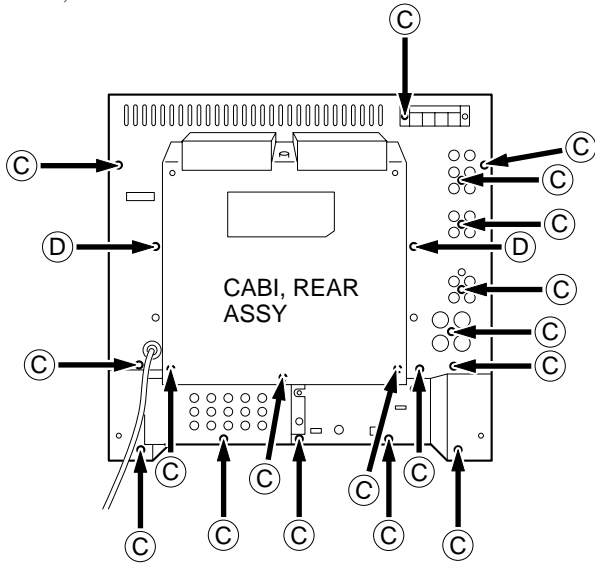
2. Remove the 3 screws from the bottom of the unit.



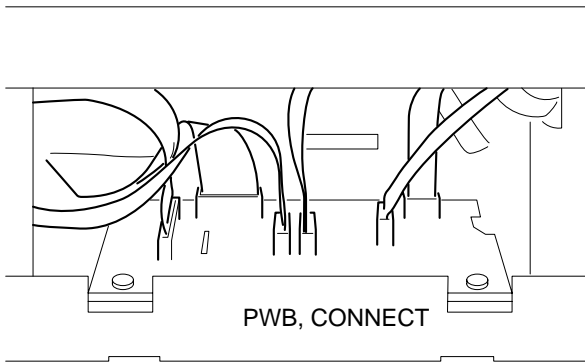
3. Remove the 4 screws (E)x2, (F)x2) from both sides.



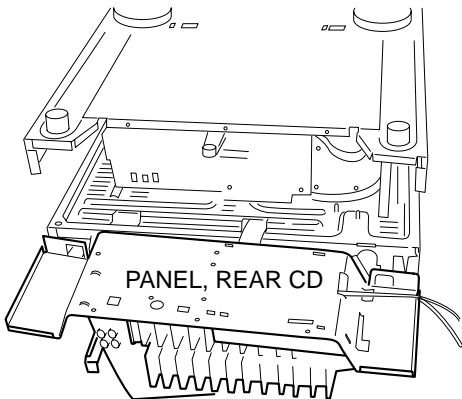
- Remove the 20 screws (C x18, D x2) and remove the CABI, REAR ASSY.



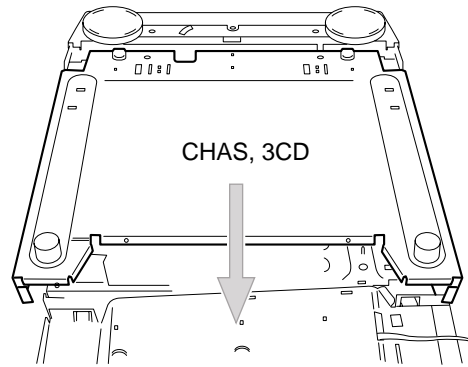
- Remove the 6 FFCs from the PWB, CONNECT.



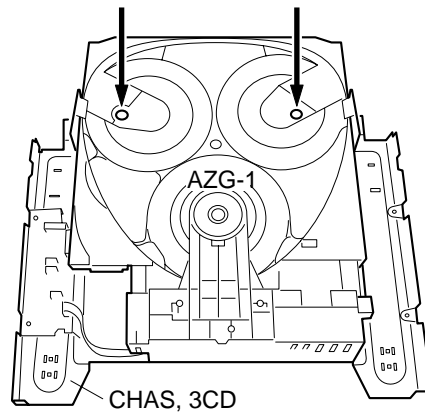
- Remove the PANEL, REAR CD.



- Remove the CHAS, 3CD together with the AZG-1.



- Remove the 2 screws and remove the AZG-1 from the CHAS, 3CD.

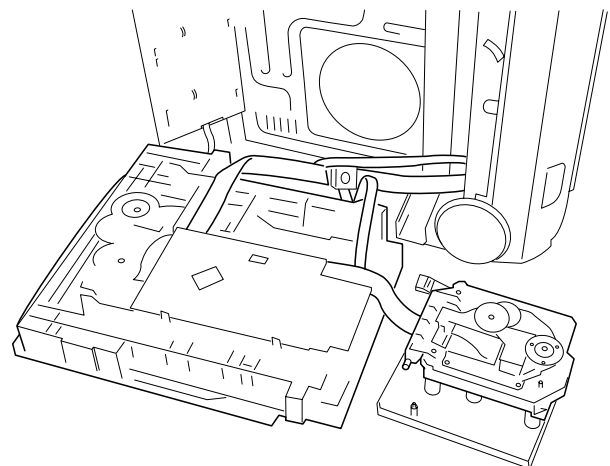


CD service position

The AZG-1 can be repaired while the power is on by using the jig introduced in the Service Technical Information (SI-98-028).

1. Procedure

Connect the jig as shown below.



ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC							
	87-020-454-010		IC, DN6851		87-A40-270-080		C-DIODE, MC2838
	87-A21-406-040		C-IC, LC87F65C8A		87-A40-313-080		C-DIODE, MC2840
	87-A21-419-040		IC, NJM14558MD-TE2		87-070-274-080		DIODE, 1N4003 SEM
	87-A20-914-010		IC, SPS-442-1-F		87-020-465-080		DIODE, 1SS133
	87-A20-355-010		IC, CXA1553P		87-A40-488-080		DIODE, 1SS244
	87-A20-783-040		C-IC, BA7762AFS		87-A40-646-010		DIODE, FMB-G16L
	87-A21-023-040		C-IC, BA3835F		87-A40-345-080		ZENER, MTZJ10C
	87-A21-022-040		C-IC, BA3880FS		87-070-136-080		ZENER, MTZJ5.1B
	87-017-915-080		IC, BU4094BCF		87-A40-437-080		ZENER, MTZJ4.3B
	87-A21-031-040		C-IC, BU4551BF		87-A40-349-080		ZENER, MTZJ7.5C
	87-A21-202-040		C-IC, M62445AFP	MAIN C.B			
	87-A21-481-040		C-IC, HD74HC4051FP	C1	87-012-369-080		C-CAP, S 0.047-50F
	87-070-127-110		IC, LC72131D	C2	87-012-369-080		C-CAP, S 0.047-50F
	87-A20-913-010		IC, LA1837NL	C3	87-012-368-080		C-CAP, S 0.1-50 F
	87-A20-440-040		C-IC, BU1920FS	C4	87-012-368-080		C-CAP, S 0.1-50 F
	87-A21-097-040		C-IC, M62463AFP	C5	87-012-368-080		C-CAP, S 0.1-50 F
	87-A21-015-040		C-IC, M62491FP	C6	87-012-368-080		C-CAP, S 0.1-50 F
	87-A20-820-010		IC, BA7625	C9	87-A11-939-090		CAP, E 4700-35
	87-017-917-080		IC, BU4066BCF	C10	87-A11-939-090		CAP, E 4700-35
	87-017-726-080		IC, BU4052BCF	C21	87-010-385-080		CAP, ELECT 220-25V
				C22	87-010-385-080		CAP, ELECT 220-25V
TRANSISTOR				C23	87-010-247-080		CAP, ELECT 100-50V
	89-213-702-010		TR, 2SB1370E	C24	87-010-247-080		CAP, ELECT 100-50V
	87-A30-087-080		C-FET, 2SK2158	C25	87-010-430-080		CAP, ELECT 100-63
	87-A30-075-080		C-TR, 2SA1235F	C26	87-010-263-080		CAP, ELECT 100-10V
	89-327-143-080		C-TR, 2SC2714 (O)	C29	87-010-247-080		CAP, ELECT 100-50V
	87-A30-076-080		C-TR, 2SC3052F	C30	87-010-235-080		CAP, E 470-16 SME
	89-333-266-080		C-TR, 2SC3326B	C31	87-010-235-080		CAP, E 470-16 SME
	87-A30-107-070		C-TR, CMBT5401	C61	87-010-260-080		CAP, ELECT 47-25V
	87-A30-106-080		C-TR, CMBT5551	C62	87-010-403-080		CAP, ELECT 3.3-50V
	87-A30-142-040		C-TR, DTA123EKA	C91	87-010-401-080		CAP, ELECT 1-50V
	87-026-580-080		C-TR, DTA123JK	C92	87-010-401-080		CAP, ELECT 1-50V
	87-A30-159-080		C-TR, KTA1298Y	C93	87-010-380-080		CAP, ELECT 47-16V
	87-A30-073-080		C-TR, RT1N141C	C100	87-018-209-080		CAP, TC U 0.1-50 ZF
	87-A30-074-080		C-TR, RT1P141C	C103	87-010-401-080		CAP, ELECT 1-50V
	87-A30-072-080		C-TR, RT1P144C	C104	87-010-401-080		CAP, ELECT 1-50V
	87-A30-202-080		C-TR, RT1P441C	C105	87-010-322-080		C-CAP, S 100P-50 CH
	87-A30-162-010		FET, 2SK2937	C106	87-010-322-080		C-CAP, S 100P-50 CH
	87-A30-186-010		FET, 2SK3053	C112	87-010-187-080		C-CAP, S 5600P-50 KB
	89-109-521-080		TR, 2SA952K	C113	87-010-187-080		C-CAP, S 5600P-50 KB
	87-A30-374-010		TR, 2SB1588A	C115	87-010-196-080		C-CAP, S 0.1-25 ZF
	87-A30-375-010		TR, 2SD2439A	C116	87-010-196-080		C-CAP, S 0.1-25 ZF
	87-A30-190-080		TR, CC5551	C120	87-010-405-080		CAP, ELECT 10-50V
	87-A30-240-080		TR, CSA1585BC	C121	87-010-405-080		CAP, ELECT 10-50V
	87-A30-234-080		TR, CSC4115BC	C137	87-010-322-080		C-CAP, S 100P-50 CH
	87-A30-047-080		TR, CSD655E	C138	87-010-322-080		C-CAP, S 100P-50 CH
	87-026-245-080		TR, DTC114ES	C148	87-010-197-080		CAP, CHIP 0.01 DM
	87-A30-097-010		TR, FN1016	C149	87-010-197-080		CAP, CHIP 0.01 DM
	87-A30-098-010		TR, FP1016	C150	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-609-080		TR, KTA1266GR	C151	87-010-401-080		CAP, ELECT 1-50V
	87-026-610-080		TR, KTC3198GR	C152	87-010-401-080		CAP, ELECT 1-50V
	87-A30-198-080		TR, KTC3199GR	C153	87-010-405-080		CAP, ELECT 10-50V
	87-A30-269-040		C-FET, 2SJ461-T1	C154	87-010-405-080		CAP, ELECT 10-50V
				C155	87-010-401-080		CAP, ELECT 1-50V
				C156	87-010-401-080		CAP, ELECT 1-50V
				C157	87-010-322-080		C-CAP, S 100P-50 CH
DIODE				C158	87-010-322-080		C-CAP, S 100P-50 CH
	87-A40-224-010		DIODE, GBU8DL	C159	87-010-196-080		C-CAP, S 0.1-25 ZF
	87-A40-341-080		ZENER, MTZJ36A	C160	87-010-196-080		C-CAP, S 0.1-25 ZF
	87-A40-004-080		ZENER, MTZJ16A	C161	87-010-197-080		C-CAP, S 0.01-25 KB
	87-A40-344-080		ZENER, MTZJ6.2C	C162	87-010-197-080		C-CAP, S 0.01-25 KB
	87-017-932-080		ZENER, MTZJ6.2B	C229	87-010-993-080		C-CAP, S 0.056-25 B
	87-A40-002-080		ZENER, MTZJ5.1C	C230	87-010-993-080		C-CAP, S 0.056-25 B
	87-A40-438-080		ZENER, MTZJ4.7A	C231	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A40-234-080		ZENER, MTZJ5.6A	C232	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-017-149-080		ZENER, HZS6A2L	C233	87-010-190-080		C-CAP, S 0.01-50 ZF
	87-A40-442-080		ZENER, MTZJ9.1A	C234	87-010-190-080		C-CAP, S 0.01-50 ZF
	87-A40-269-080		C-DIODE, MC2836	C237	87-010-322-080		C-CAP, S 100P-50 CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C238	87-010-322-080		C-CAP,S 100P-50 CH	C422	87-012-140-080		CAP,470P
C300	87-018-209-080		CAP,TC U 0.1-50 ZF	C451	87-010-401-080		CAP,ELECT 1-50V
C303	87-012-157-080		C-CAP,S 330P-50 CH	C452	87-010-401-080		CAP,ELECT 1-50V
C304	87-012-157-080		C-CAP,S 330P-50 CH	C454	87-010-402-080		CAP,ELECT 2.2-50V
C307	87-010-196-080		CHIP CAPACITOR,0.1-25	C457	87-010-196-080		CHIP CAPACITOR,0.1-25
C311	87-010-198-080		CAP,CHIP 0.022	C458	87-010-196-080		CHIP CAPACITOR,0.1-25
C312	87-010-198-080		CAP,CHIP 0.022	C461	87-010-544-080		CAP,ELECT 0.1-50V
C315	87-010-178-080		CHIP CAP,1000P	C471	87-010-402-080		CAP,ELECT 2.2-50V
C316	87-010-178-080		CHIP CAP,1000P	C481	87-010-196-080		CHIP CAPACITOR,0.1-25
C317	87-012-142-080		CAP,S 0.33-16	C500	87-010-186-080		C-CAP,S 4700P-50 KB
C318	87-012-142-080		CAP,S 0.33-16	C601	87-010-197-080		C-CAP,S 0.01-25 KB
C319	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C602	87-010-197-080		C-CAP,S 0.01-25 KB
C320	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C603	87-010-185-080		C-CAP,S 3900P-50 KB
C321	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C604	87-010-185-080		C-CAP,S 3900P-50 KB
C322	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C607	87-010-318-080		C-CAP,S 47P-50 CH
C324	87-010-260-080		CAP,ELECT 47-25V	C608	87-010-318-080		C-CAP,S 47P-50 CH
C325	87-010-370-080		CAP,E 330-6.3 SME	C611	87-018-134-080		C-CAP,S 0.01-16 NY
C327	87-010-404-080		CAP,ELECT 4.7-50V	C612	87-010-322-080		C-CAP,S 100P-50 CH
C328	87-010-404-080		CAP,ELECT 4.7-50V	C613	87-016-081-080		C-CAP,S 0.1-16 RK
C332	87-010-196-080		CHIP CAPACITOR,0.1-25	C614	87-016-081-080		C-CAP,S 0.1-16 RK
C335	87-010-401-080		CAP,ELECT 1-50V	C617	87-A10-301-080		CAP,M 0.033-50 J
C336	87-010-401-080		CAP,ELECT 1-50V	C618	87-A10-301-080		CAP,M 0.033-50 J
C337	87-010-196-080		CHIP CAPACITOR,0.1-25	C619	87-010-185-080		C-CAP,S 3900P-50 B
C339	87-010-196-080		CHIP CAPACITOR,0.1-25	C620	87-010-185-080		C-CAP,S 3900P-50 B
C340	87-010-196-080		CHIP CAPACITOR,0.1-25	C621	87-010-401-080		CAP,ELECT 1-50V
C351	87-012-140-080		CAP,470P	C622	87-010-401-080		CAP,ELECT 1-50V
C352	87-012-140-080		CAP,470P	C627	87-010-196-080		CHIP CAPACITOR,0.1-25
C354	87-010-175-080		CAP,560P	C628	87-010-322-080		C-CAP,S 100P-50 CH
C355	87-010-178-080		CHIP CAP,1000P	C629	87-010-405-080		CAP,ELECT 10-50V
C356	87-010-260-080		CAP,ELECT 47-25V	C630	87-010-213-080		C-CAP,S 0.015-50 B
C357	87-010-197-080		CAP,CHIP 0.01 DM	C631	87-010-992-080		C-CAP,S 0.047-25 B
C358	87-010-183-080		C-CAP,S 2700P-50 B	C632	87-010-263-080		CAP,ELECT 100-10V
C359	87-010-183-080		C-CAP,S 2700P-50 B	C633	87-010-263-080		CAP,ELECT 100-10V
C360	87-010-183-080		C-CAP,S 2700P-50 B	C634	87-010-196-080		CHIP CAPACITOR,0.1-25
C370	87-010-196-080		CHIP CAPACITOR,0.1-25	C635	87-010-196-080		CHIP CAPACITOR,0.1-25
C371	87-010-181-080		C-CAP,S 1800P-50 KB	C636	87-010-992-080		C-CAP,S 0.047-25 B
C372	87-010-181-080		C-CAP,S 1800P-50 KB	C637	87-010-183-080		C-CAP,S 2700P-50 B
C373	87-010-180-080		C-CAP,S 1500P-50 KB	C640	87-010-314-080		C-CAP,S 22P-50V
C374	87-010-180-080		C-CAP,S 1500P-50 KB	C641	87-010-196-080		CHIP CAPACITOR,0.1-25
C375	87-010-545-080		CAP,ELECT 0.22-50V	C642	87-010-196-080		CHIP CAPACITOR,0.1-25
C376	87-010-545-080		CAP,ELECT 0.22-50V	C643	87-010-196-080		CHIP CAPACITOR,0.1-25
C378	87-010-196-080		CHIP CAPACITOR,0.1-25	C644	87-010-196-080		CHIP CAPACITOR,0.1-25
C381	87-010-197-080		CAP,CHIP 0.01 DM	C645	87-010-196-080		CHIP CAPACITOR,0.1-25
C382	87-010-318-080		C-CAP,S 47P-50 CH	C646	87-010-196-080		CHIP CAPACITOR,0.1-25
C383	87-010-197-080		CAP,CHIP 0.01 DM	C661	87-010-178-080		C-CAP,S 1000P-50 KB
C384	87-010-402-080		CAP,ELECT 2.2-50V	C662	87-010-178-080		C-CAP,S 1000P-50 KB
C385	87-010-184-080		CHIP CAPACITOR,3300P(K)	C663	87-010-178-080		C-CAP,S 1000P-50 KB
C386	87-010-196-080		CHIP CAPACITOR,0.1-25	C664	87-010-178-080		C-CAP,S 1000P-50 KB
C388	87-012-156-080		C-CAP,S 220P-50 CH	C677	87-010-196-080		CHIP CAPACITOR,0.1-25
C400	87-010-186-080		C-CAP,S 4700P-50 KB	C678	87-010-196-080		CHIP CAPACITOR,0.1-25
C401	87-010-196-080		CHIP CAPACITOR,0.1-25	C680	87-010-196-080		CHIP CAPACITOR,0.1-25
C402	87-010-260-080		CAP,ELECT 47-25V	C681	87-010-197-080		CAP,CHIP 0.01 DM
C403	87-010-404-080		CAP,ELECT 4.7-50V	C731	87-010-498-080		CAP,ELECT 10-16V
C404	87-010-404-080		CAP,ELECT 4.7-50V	C732	87-010-196-080		CHIP CAPACITOR,0.1-25
C405	87-010-404-080		CAP,ELECT 4.7-50V	C733	87-010-196-080		CHIP CAPACITOR,0.1-25
C406	87-010-404-080		CAP,ELECT 4.7-50V	C734	87-012-156-080		C-CAP,S 220P-50 CH
C407	87-010-188-080		CAP,CHIP 6800P	C735	87-010-178-080		CHIP CAP,1000P
C408	87-010-188-080		CAP,CHIP 6800P	C736	87-010-196-080		CHIP CAPACITOR,0.1-25
C409	87-012-140-080		CAP,470P	C740	87-010-322-080		C-CAP,S 100P-50 CH
C410	87-012-140-080		CAP,470P	C741	87-010-178-080		CHIP CAP,1000P
C411	87-010-404-080		CAP,ELECT 4.7-50V	C801	87-010-176-080		C-CAP,S 680P-50 SL
C412	87-010-404-080		CAP,ELECT 4.7-50V	C802	87-010-176-080		C-CAP,S 680P-50 SL
C413	87-010-404-080		CAP,ELECT 4.7-50V	C803	87-010-958-080		CHIP-CAP,S 0.01-25BJ
C414	87-010-404-080		CAP,ELECT 4.7-50V	C804	87-010-958-080		CHIP-CAP,S 0.01-25BJ
C415	87-010-197-080		CAP,CHIP 0.01 DM	C805	87-010-958-080		CHIP-CAP,S 0.01-25BJ
C416	87-010-197-080		CAP,CHIP 0.01 DM	C806	87-010-958-080		CHIP-CAP,S 0.01-25BJ
C417	87-010-195-080		C-CAP,S 0.068-25 F	C807	87-010-401-080		CAP,ELECT 1-50V
C418	87-010-956-080		CHIP-CAP,S 0.068-25B	C808	87-010-401-080		CAP,ELECT 1-50V
C419	87-010-260-080		CAP,ELECT 47-25V	C809	87-010-196-080		CHIP CAPACITOR,0.1-25
C421	87-012-140-080		CAP,470P	C810	87-010-112-080		CAP,ELECT 100-16V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C811	87-010-070-080		CAP, ELECT 0.47-50V	CN605	87-A60-189-010		CONN, 16P TUC-P16P-B1
C812	87-010-070-080		CAP, ELECT 0.47-50V	CN606	87-A60-621-010		CONN, 4P V 2MM JMT
C813	87-010-401-080		CAP, ELECT 1-50V	CN607	87-A60-140-010		CONN, 15P V FE
C814	87-010-494-080		CAP, ELECT 1-50V M 5L	CN608	87-A60-621-010		CONN, 4P V 2MM JMT
C815	87-010-492-080		CAP, ELECT 0.33-50V	CNA1	8A-NF8-653-010		CONN ASSY, 9P TID-A(480)
C816	87-010-492-080		CAP, ELECT 0.33-50V	CNA3	8A-MTM-647-010		CONN ASSY, 2P VH-SUPPLY
C817	87-010-221-080		CAP, ELECT 470-10V	CNA401	8A-MTM-646-010		CONN ASSY, 10P LOWER-I/O
C818	87-A10-891-080		CAP, E 4.7-25 SME(K)	CNA601	8A-MTM-650-010		CONN ASSY, 4P DISP-IN
C819	87-A10-800-080		C-CAP, S 6800P-16 J B CM	CNA802	8Z-NFU-631-010		CONN ASSY, 2P V DA
C820	87-010-374-080		CAP, ELECT 47-10V	FFC602	88-906-701-110		FF-CABLE, 6P 1.25 700MM
C821	87-010-196-080		CHIP CAPACITOR, 0.1-25	J202	87-A60-929-010		JACK, DIA6.3 BLK ST W/S TAI
C822	87-A10-804-080		C-CAP, S 0.1-25 J B	J205	87-A60-751-010		JACK, PIN 2P R/W BLUE
C824	87-010-374-080		CAP, ELECT 47-10V	J206	87-A60-878-010		JACK, PIN 3P W/R/O HSP-243V4
C825	87-010-196-080		CHIP CAPACITOR, 0.1-25	J601	87-099-625-010		JACK, PIN 4P, RVS (KM)
C829	87-010-544-080		CAP, ELECT 0.1-50V	J831	87-A61-069-010		JACK, PIN 6P R/W, R/W, O/B MSC
C830	87-016-492-080		C-CAP, S 0.33-16 FZ	L201	87-003-383-010		COIL, 1UH-S
C831	87-010-971-080		C-CAP, S 4700P-50 B J	L202	87-003-383-010		COIL, 1UH-S
C832	87-012-349-080		C-CAP, S 1000P-50 CH	L301	87-A50-049-010		COIL, TRAP 85K(COI)
C833	87-A10-793-080		C-CAP, S 0.12-16 K B	L302	87-A50-049-010		COIL, TRAP 85K(COI)
C834	87-A11-182-080		C-CAP, S 0.27-16 J B	L351	87-007-342-010		COIL, OSC 85K BIAS
C835	87-A11-182-080		C-CAP, S 0.27-16 J B	R143	87-A00-441-050		RES, 270-1/2W J RP
C836	87-A11-183-080		C-CAP, S 0.12-16 J B	R144	87-A00-441-050		RES, 270-1/2W J RP
C837	87-010-971-080		C-CAP, S 4700P-50 B J	R145	87-A00-441-050		RES, 270-1/2W J RP
C838	87-012-349-080		C-CAP, S 1000P-50 CH	R146	87-A00-441-050		RES, 270-1/2W J RP
C839	87-010-805-080		CAP, S 1-16	R653	87-010-805-080		C-CAP, S 1-16 ZF
C840	87-010-401-080		CAP, ELECT 1-50V	R654	87-010-805-080		C-CAP, S 1-16 ZF
C841	87-A10-799-080		C-CAP, S 5600P-16 J B CM	R807	87-022-214-080		C-RES, S 100K-1/10WF
C842	87-A10-802-080		C-CAP, S 0.047-16 J B CM	SFR303	87-024-355-080		SFR, 33K DIA6 H
C843	87-A10-229-080		C-CAP, S 0.68-10 K W5	SFR304	87-024-355-080		SFR, 33K DIA6 H
C844	87-012-393-080		C-CAP, S 0.22-16 R K	SFR305	87-024-356-080		SFR, 47K DIA6 H
C845	87-012-393-080		C-CAP, S 0.22-16 R K	SFR306	87-024-356-080		SFR, 47K DIA6 H
C846	87-010-404-080		CAP, ELECT 4.7-50V	SFR351	87-024-356-080		SFR, 47K DIA6 H
C847	87-010-404-080		CAP, ELECT 4.7-50V	SFR352	87-024-356-080		SFR, 47K DIA6 H
C848	87-012-393-080		C-CAP, S 0.22-16 R K	WH1	87-A90-510-010		HLDR, WIRE 2.5-9P
C849	87-012-393-080		C-CAP, S 0.22-16 R K				
C850	87-016-081-080		C-CAP, S 0.1-16 RK				
C851	87-A10-802-080		C-CAP, S 0.047-16 J B CM	FRONT C.B			
C852	87-A10-802-080		C-CAP, S 0.047-16 J B CM	C101	87-010-263-040		CAP, E 100-10
C853	87-016-081-080		C-CAP, S 0.1-16 RK	C102	87-010-263-040		CAP, E 100-10
C854	87-016-081-080		C-CAP, S 0.1-16 RK	C103	87-010-178-080		CHIP CAP, 1000P
C855	87-A10-801-080		C-CAP, S 0.022-16 J B CM	C104	87-010-178-080		C-CAP, S 1000P-50 CH
C856	87-A10-801-080		C-CAP, S 0.022-16 J B CM	C105	87-010-316-080		C-CAP, S 33P-50 CH
C857	87-016-081-080		C-CAP, S 0.1-16 RK	C106	87-010-313-080		C-CAP, S 18P-50J CH
C859	87-010-402-080		CAP, ELECT 2.2-50V	C107	87-012-157-080		C-CAP, S 330P-50 CH
C861	87-010-196-080		CHIP CAPACITOR, 0.1-25	C108	87-010-498-040		CAP, E 10-16
C863	87-010-196-080		CHIP CAPACITOR, 0.1-25	C109	87-010-805-080		C-CAP, S 1-16 ZF
C867	87-016-492-080		C-CAP, S 0.33-16 FZ	C112	87-016-081-080		C-CAP, S 0.1-16 RK
C868	87-A10-060-080		C-CAP, S 0.18-16 K B	C113	87-A10-189-040		CAP, E 220-10
C878	87-010-404-080		CAP, ELECT 4.7-50V	C114	87-015-785-080		C-CAP, 0.1-25 ZF
C879	87-010-179-080		CAP, CHIP S B1200P	C115	87-010-198-080		CAP, CHIP 0.022
C880	87-010-179-080		CAP, CHIP S B1200P	C116	87-010-400-040		CAP, E 0.47-50
C881	87-010-179-080		CAP, CHIP S B1200P	C117	87-010-498-040		CAP, E 10-16
C882	87-010-179-080		CAP, CHIP S B1200P	C118	87-A10-189-040		CAP, E 220-10
C890	87-010-993-080		C-CAP, S 0.056-25 B	C119	87-010-196-080		CHIP CAPACITOR, 0.1-25
C891	87-010-993-080		C-CAP, S 0.056-25 B	C121	87-012-368-080		C-CAP, S 0.1-50 F
C892	87-010-993-080		C-CAP, S 0.056-25 B	C122	87-010-178-080		CHIP CAP, 1000P
C893	87-010-196-080		CHIP CAPACITOR, 0.1-25	C123	87-010-196-080		CHIP CAPACITOR, 0.1-25
C894	87-010-196-080		CHIP CAPACITOR, 0.1-25	C124	87-010-196-080		CHIP CAPACITOR, 0.1-25
C899	87-010-196-080		CHIP CAPACITOR, 0.1-25	C125	87-010-196-080		CHIP CAPACITOR, 0.1-25
C902	87-010-196-080		CHIP CAPACITOR, 0.1-25	C126	87-010-196-080		CHIP CAPACITOR, 0.1-25
C931	87-016-299-080		CAP, E 10-100 SME	C127	87-010-196-080		CHIP CAPACITOR, 0.1-25
C932	87-010-196-080		CHIP CAPACITOR, 0.1-25	C130	87-010-196-080		CHIP CAPACITOR, 0.1-25
C933	87-016-299-080		CAP, E 10-100 SME	C202	87-010-196-080		CHIP CAPACITOR, 0.1-25
CN1	87-A60-739-010		CONN, 13P JL-BT	C203	87-010-406-040		CAP, E 22-50
CN2	87-A60-739-010		CONN, 13P JL-BT	C221	87-010-421-040		CAP, E 4.7-50 5L
CN91	87-A60-619-010		CONN, 2P V 2MM JMT	C222	87-010-421-040		CAP, E 4.7-50 5L
CN351	87-A60-625-010		CONN, 8P V 2MM JMT	C223	87-A10-797-040		CAP, E 47-35 M 5L SRM
CN601	87-A60-138-010		CONN, 13P V FE	C224	87-012-369-080		C-CAP, S 0.047-50F
CN602	87-A60-131-010		CONN, 6P V FE	C251	87-010-244-040		CAP, E 22-16
CN603	87-A60-142-010		CONN, 17P V FE	C252	87-012-365-080		C-CAP, S 0.027-25 KB

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C253	87-010-193-080		C-CAP, S 0.033-25 ZF	C185	87-010-197-080		CAP,CHIP 0.01 DM
C261	87-012-140-080		C-CAP,S 470P-50 J CH	C186	87-010-182-080		C-CAP,S 2200P-50 B
C262	87-012-140-080		C-CAP,S 470P-50 J CH	C401	87-010-196-080		CHIP CAPACITOR,0.1-25
C263	87-012-140-080		C-CAP,S 470P-50 J CH	C402	87-010-196-080		CHIP CAPACITOR,0.1-25
C264	87-012-140-080		C-CAP,S 470P-50 J CH	C403	87-010-319-080		C-CAP,S 56P-50 CH
C265	87-012-140-080		C-CAP,S 470P-50 J CH	C404	87-010-319-080		C-CAP,S 56P-50 CH
C266	87-012-140-080		C-CAP,S 470P-50 J CH	C405	87-010-319-080		C-CAP,S 56P-50 CH
C267	87-012-140-080		C-CAP,S 470P-50 J CH	C406	87-010-322-080		C-CAP,S 100P-50 CH
C268	87-012-140-080		C-CAP,S 470P-50 J CH	C407	87-010-322-080		C-CAP,S 100P-50 CH
C269	87-012-140-080		C-CAP,S 470P-50 J CH	C408	87-010-322-080		C-CAP,S 100P-50 CH
C270	87-012-140-080		C-CAP,S 470P-50 J CH	C409	87-A11-733-080		C-CAP,S 1-16 ZF
C271	87-012-140-080		C-CAP,S 470P-50 J CH	C601	87-010-186-080		CAP,CHIP 4700P
C272	87-012-140-080		C-CAP,S 470P-50 J CH	C602	87-010-498-040		CAP,E 10-16
C273	87-012-140-080		C-CAP,S 470P-50 J CH	C603	87-010-320-080		CHIP CAP,68P
C274	87-012-140-080		C-CAP,S 470P-50 J CH	C604	87-010-492-040		CAP,E 0.33-50 GAS
C275	87-012-140-080		C-CAP,S 470P-50 J CH	C606	87-016-044-040		CAP,E 100-16 GAS
C276	87-012-140-080		C-CAP,S 470P-50 J CH	C607	87-010-196-080		CHIP CAPACITOR,0.1-25
C281	87-016-044-040		CAP,E 100-16 GAS	C608	87-010-178-080		CHIP CAP,1000P
C381	87-018-209-080		CAP,TC U 0.1-50 ZF	C609	87-010-178-080		CHIP CAP,1000P
C382	87-012-158-080		C-CAP,S 390P-50 CH	CN202	87-A60-163-010		CONN,15P H FE
C383	87-010-196-080		CHIP CAPACITOR,0.1-25	CN402	87-099-564-010		CONN,4P TUC-P4P-B1
C384	87-010-196-080		CHIP CAPACITOR,0.1-25	CN403	87-099-564-010		CONN,4P TUC-P4P-B1
C385	87-010-196-080		CHIP CAPACITOR,0.1-25	CN404	87-099-564-010		CONN,4P TUC-P4P-B1
C386	87-010-196-080		CHIP CAPACITOR,0.1-25	CN405	87-099-564-010		CONN,4P TUC-P4P-B1
C387	87-010-196-080		CHIP CAPACITOR,0.1-25	CNA301	88-802-021-620		CONN ASSY,2P
C651	87-010-213-080		C-CAP, S 0.015-50 B	CNA601	88-805-031-090		CONN ASSY,3P
C652	87-010-183-080		C-CAP,S 2700P-50 B	CNA602	8A-MTM-655-010		CONN ASSY,4P H DS-M1
C701	87-010-196-080		CHIP CAPACITOR,0.1-25	LED293	87-A40-317-080		LED,SLR-342VCT31 RED
C702	87-010-196-080		CHIP CAPACITOR,0.1-25	LED401	87-A40-317-080		LED,SLR-342VCT31 RED
C703	87-010-071-040		CAP,E 1-50 M 5L SRE	LED402	87-A40-317-080		LED,SLR-342VCT31 RED
C704	87-010-071-040		CAP,E 1-50 M 5L SRE	LED403	87-A40-317-080		LED,SLR-342VCT31 RED
C705	87-010-498-040		CAP,E 10-16	LED404	87-A40-317-080		LED,SLR-342VCT31 RED
C706	87-010-498-040		CAP,E 10-16	LED405	87-A40-317-080		LED,SLR-342VCT31 RED
C721	87-010-196-080		CHIP CAPACITOR,0.1-25	LED416	87-A40-496-040		LED,SLR-342PCT31 GRN
C722	87-010-196-080		CHIP CAPACITOR,0.1-25	LED417	87-A40-496-040		LED,SLR-342PCT31 GRN
C723	87-010-071-040		CAP,E 1-50 M 5L SRE	LED418	87-A40-496-040		LED,SLR-342PCT31 GRN
C724	87-010-071-040		CAP,E 1-50 M 5L SRE	LED419	87-A40-496-040		LED,SLR-342PCT31 GRN
C725	87-010-498-040		CAP,E 10-16	LED420	87-A40-496-040		LED,SLR-342PCT31 GRN
C726	87-010-498-040		CAP,E 10-16	LED421	87-A40-496-040		LED,SLR-342PCT31 GRN
C727	87-010-263-040		CAP,E 100-10	S101	87-A91-589-010		SW,RTRY RE0121PVJOG
C728	87-010-196-080		CHIP CAPACITOR,0.1-25	S102	87-A91-590-010		SW,RTRY RE0121PVVOL
C741	87-010-196-080		CHIP CAPACITOR,0.1-25	S301	87-A90-095-080		SW,TACT EVQ11G04M
C742	87-010-196-080		CHIP CAPACITOR,0.1-25	S302	87-A90-095-080		SW,TACT EVQ11G04M
C743	87-010-071-040		CAP,E 1-50 M 5L SRE	S303	87-A90-095-080		SW,TACT EVQ11G04M
C744	87-010-071-040		CAP,E 1-50 M 5L SRE	S304	87-A90-095-080		SW,TACT EVQ11G04M
C745	87-010-498-040		CAP,E 10-16	S305	87-A90-095-080		SW,TACT EVQ11G04M
C746	87-010-498-040		CAP,E 10-16	S306	87-A90-095-080		SW,TACT EVQ11G04M
CN101	87-A60-142-010		CONN,17P V FE	S307	87-A90-095-080		SW,TACT EVQ11G04M
CN102	87-A60-138-010		CONN,13P V FE	S308	87-A90-095-080		SW,TACT EVQ11G04M
CN201	87-A60-140-010		CONN,15P V FE	S309	87-A90-095-080		SW,TACT EVQ11G04M
CN501	87-A60-586-010		CONN,4P V FE	S310	87-A90-095-080		SW,TACT EVQ11G04M
CN502	87-A60-673-010		CONN,9P H 2MM JMT	S311	87-A90-095-080		SW,TACT EVQ11G04M
CN901	87-099-015-010		CONN,13P V BLK 6216	S321	87-A90-095-080		SW,TACT EVQ11G04M
CNA101	8A-MTM-636-010		CONN ASSY,4P DISP	S322	87-A90-095-080		SW,TACT EVQ11G04M
CNA502	8A-MTM-645-110		CONN ASSY,9P DECK-MECHA	S323	87-A90-095-080		SW,TACT EVQ11G04M
FFC101	88-917-331-110		FF-CABLE,17P 1.25 330MM	S324	87-A90-095-080		SW,TACT EVQ11G04M
FFC102	88-913-301-110		FF-CABLE,13P 1.25	S325	87-A90-095-080		SW,TACT EVQ11G04M
FFC201	88-915-161-110		FF-CABLE,15P 1.25	S326	87-A90-095-080		SW,TACT EVQ11G04M
FFC501	88-904-401-110		FF-CABLE,4P 1.25	S327	87-A90-095-080		SW,TACT EVQ11G04M
FFC901	88-913-301-110		FF-CABLE,13P 1.25	S328	87-A90-095-080		SW,TACT EVQ11G04M
FL201	8A-MTM-605-010		FL,BJ733GK	S329	87-A90-095-080		SW,TACT EVQ11G04M
FL202	8A-MTM-606-010		FL,BJ734GK	S330	87-A90-095-080		SW,TACT EVQ11G04M
L101	87-A50-333-010		COIL,OSC 9.43MHZ	S331	87-A90-095-080		SW,TACT EVQ11G04M
L250	8A-MTM-607-010		COIL,OSC-FL 20KHZ	S332	87-A90-095-080		SW,TACT EVQ11G04M
				S333	87-A90-095-080		SW,TACT EVQ11G04M
OPERATE C.B				S334	87-A90-095-080		SW,TACT EVQ11G04M
C181	87-012-157-080		C-CAP,S 330P-50 CH	S341	87-A90-095-080		SW,TACT EVQ11G04M
C183	87-010-197-080		CAP,CHIP 0.01 DM	S342	87-A90-095-080		SW,TACT EVQ11G04M
C184	87-010-182-080		C-CAP,S 2200P-50 B	S343	87-A90-095-080		SW,TACT EVQ11G04M
				S344	87-A90-095-080		SW,TACT EVQ11G04M

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S345	87-A90-095-080	SW, TACT	EVQ11G04M	C403	87-010-405-080	CAP, ELECT	10-50V
S346	87-A90-095-080	SW, TACT	EVQ11G04M	C404	87-010-405-080	CAP, ELECT	10-50V
S347	87-A90-095-080	SW, TACT	EVQ11G04M	C405	87-010-186-080	CAP, CHIP	4700P
S348	87-A90-095-080	SW, TACT	EVQ11G04M	C406	87-010-186-080	CAP, CHIP	4700P
S349	87-A90-095-080	SW, TACT	EVQ11G04M	C407	87-010-405-080	CAP, ELECT	10-50V
S350	87-A90-095-080	SW, TACT	EVQ11G04M	C408	87-010-405-080	CAP, ELECT	10-50V
S351	87-A90-095-080	SW, TACT	EVQ11G04M	C409	87-010-322-080	C-CAP, S	100P-50 CH
S356	87-A90-095-080	SW, TACT	EVQ11G04M	C410	87-010-322-080	C-CAP, S	100P-50 CH
				C411	87-010-260-080	CAP, ELECT	47-25V
				C412	87-010-260-080	CAP, ELECT	47-25V
KEY C.B				C413	87-A10-516-080	C-CAP, S	100P-200 J CH
CNA302	87-A60-619-010	CONN, 2P V	2MM JMT	C414	87-A10-516-080	C-CAP, S	100P-200 J CH
S352	87-A90-095-080	SW, TACT	EVQ11G04M	C421	87-010-182-080	C-CAP, S	2200P-50 KB
S353	87-A90-095-080	SW, TACT	EVQ11G04M	C422	87-010-182-080	C-CAP, S	2200P-50 KB
S354	87-A90-095-080	SW, TACT	EVQ11G04M	C423	87-012-368-080	C-CAP, S	0.1-50 ZF
S355	87-A90-095-080	SW, TACT	EVQ11G04M	C424	87-012-368-080	C-CAP, S	0.1-50 ZF
				C425	87-012-368-080	C-CAP, S	0.1-50 ZF
				C426	87-012-368-080	C-CAP, S	0.1-50 ZF
				C451	87-010-235-080	CAP, E	470-16 SME
				C497	87-010-186-080	C-CAP, S	4700P-50 KB
				C499	87-010-182-080	C-CAP, S	2200P-50 KB
				C603	87-010-405-080	CAP, ELECT	10-50V
				C605	87-010-186-080	CAP, CHIP	4700P
				C607	87-010-405-080	CAP, ELECT	10-50V
				C609	87-010-322-080	C-CAP, S	100P-50 CH
				C611	87-A10-516-080	C-CAP, S	100P-200 J CH
				C613	87-010-260-080	CAP, ELECT	47-25V
				C615	87-010-189-080	C-CAP, S	8200P-50 KB
				C621	87-010-182-080	C-CAP, S	2200P-50 KB
				C623	87-012-368-080	C-CAP, S	0.1-50 ZF
				C625	87-012-368-080	C-CAP, S	0.1-50 ZF
				C703	87-010-405-080	CAP, ELECT	10-50V
				C704	87-010-405-080	CAP, ELECT	10-50V
				C705	87-010-186-080	CAP, CHIP	4700P
				C706	87-010-186-080	CAP, CHIP	4700P
				C707	87-010-405-080	CAP, ELECT	10-50V
				C708	87-010-405-080	CAP, ELECT	10-50V
				C709	87-010-322-080	C-CAP, S	100P-50 CH
				C710	87-010-322-080	C-CAP, S	100P-50 CH
				C711	87-A10-516-080	C-CAP, S	100P-200 J CH
				C712	87-A10-516-080	C-CAP, S	100P-200 J CH
				C713	87-010-260-080	CAP, ELECT	47-25V
				C714	87-010-260-080	CAP, ELECT	47-25V
				C715	87-010-187-080	C-CAP, S	5600P-50 KB
				C716	87-010-187-080	C-CAP, S	5600P-50 KB
				C720	87-010-182-080	C-CAP, S	2200P-50 KB
				C721	87-010-182-080	C-CAP, S	2200P-50 KB
				C723	87-012-368-080	C-CAP, S	0.1-50 ZF
				C724	87-012-368-080	C-CAP, S	0.1-50 ZF
				C725	87-012-368-080	C-CAP, S	0.1-50 ZF
				C726	87-012-368-080	C-CAP, S	0.1-50 ZF
				CN201	87-A60-727-010	CONN, 13P	JL-R
				CN202	87-A60-727-010	CONN, 13P	JL-R
				L601	87-003-383-010	COIL, 1UH	K
				L701	87-003-383-010	COIL, 1UH	K
				L702	87-003-383-010	COIL, 1UH	K
				R427	87-A00-262-080	RES, M/F	0.15-2W J
				R428	87-A00-262-080	RES, M/F	0.15-2W J
				R439	87-A00-262-080	RES, M/F	0.15-2W J
				R440	87-A00-262-080	RES, M/F	0.15-2W J
				R627	87-A00-262-080	RES, M/F	0.15-2W J
				R641	87-A00-262-080	RES, M/F	0.15-2W J
				R727	87-A00-262-080	RES, M/F	0.15-2W J
				R728	87-A00-262-080	RES, M/F	0.15-2W J
				R739	87-A00-262-080	RES, M/F	0.15-2W J
				R740	87-A00-262-080	RES, M/F	0.15-2W J
				TH401	87-A91-042-080	C-THMS, 100K	55001
				TH402	87-A91-042-080	C-THMS, 100K	55001
				TH601	87-A91-042-080	C-THMS, 100K	55001
				TH701	87-A91-042-080	C-THMS, 100K	55001
5CH AMP C.B							

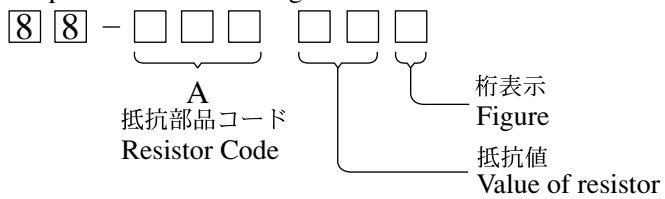
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
TH702	87-A91-042-080		C-THMS,100K 55001	C713	87-012-286-080		CAP,U 0.01-25
				C714	87-012-286-080		CAP,U 0.01-25
				C715	87-012-195-080		C-CAP,U 100P-50CH
VIDEO I/O C.B				C717	87-012-286-080		CAP,U 0.01-25
				C719	87-012-286-080		CAP,U 0.01-25
C901	87-010-406-040		CAP,ELECT 22-50	C720	87-012-195-080		C-CAP,U 100P-50CH
C902	87-010-406-040		CAP,ELECT 22-50	C721	87-012-176-080		CAP,15P
C903	87-010-406-080		CAP,ELECT 22-50	C722	87-012-176-080		CAP,15P
C904	87-010-406-080		CAP,ELECT 22-50	C723	87-012-274-080		CHIP CAP,U 1000P-50B
C905	87-010-406-080		CAP,ELECT 22-50	C725	87-018-131-080		CAP,TC U 1000P-50 KB
C906	87-010-260-080		CAP,ELECT 47-25V	C727	87-010-196-080		CHIP CAPACITOR,0.1-25
C907	87-010-196-080		CHIP CAPACITOR,0.1-25	C728	87-010-248-080		CAP,ELECT 220-10V
C908	87-010-387-080		CAP,E 470-25 SME	C729	87-012-274-080		CHIP CAP,U 1000P-50B
C909	87-010-371-040		CAP,ELECT 470-6.3V	C731	87-012-286-080		CAP,U 0.01-25
C910	87-010-371-080		CAP,ELECT 470-6.3V	C733	87-012-280-080		C-CAP,U 3300P-50 KB
C911	87-010-371-040		CAP,ELECT 470-6.3V	C734	87-012-280-080		C-CAP,U 3300P-50 KB
C912	87-010-196-080		CHIP CAPACITOR,0.1-25	C752	87-012-282-080		C-CAP,U 4700P-50 KB
C913	87-010-196-080		CHIP CAPACITOR,0.1-25	C753	87-012-195-080		C-CAP,U 100P-50 J CH
C916	87-010-196-080		CHIP CAPACITOR,0.1-25	C755	87-012-286-080		CAP,U 0.01-25
C917	87-010-196-080		CHIP CAPACITOR,0.1-25	C756	87-012-286-080		CAP,U 0.01-25
C918	87-010-196-080		CHIP CAPACITOR,0.1-25	C757	87-012-188-080		C-CAP,U 47P-50 CH
C919	87-010-318-080		C-CAP,S 47P-50 J CH	C758	87-012-167-080		C-CAP,U 5P-50 CH
C920	87-010-196-080		CHIP CAPACITOR,0.1-25	C761	87-010-196-080		C-CAP,S 0.1-25 ZF
CN904	87-A60-140-010		CONN,15P V FE	C762	87-012-286-080		CAP,U 0.01-25
CN905	87-A60-595-010		CONN,17P TUC-P17P-B1	C763	87-010-829-080		CAP,U 0.047-16
CN907	87-A60-139-010		CONN,14P V FE	C765	87-012-286-080		CAP,U 0.01-25
CNA901	87-A60-130-010		CONN,5P V FE	C766	87-010-197-080		C-CAP,S 0.01-25 KB
FFC901	88-905-281-110		FF-CABLE,5P 1.25 280MM	C768	87-012-286-080		CAP,U 0.01-25
FFC904	88-915-751-110		FF-CABLE,15P 1.25 750MM	C769	87-010-260-080		CAP,ELECT 47-25V
FFC907	88-914-121-110		FF-CABLE,14P 1.25 750MM	C770	87-010-829-080		CAP,U 0.047-16
L901	87-003-152-080		COIL,100UH	C771	87-010-383-080		CAP,ELECT 33-25V
R905	87-010-317-080		C-CAP,S 39P-50 CH<K>	C772	87-010-829-080		CAP,U 0.047-16
				C773	87-010-196-080		CHIP CAPACITOR,0.1-25
VIDEO JACK C.B				C774	87-010-263-080		CAP,ELECT 100-10V
				C775	87-010-404-080		CAP,ELECT 4.7-50V
C914	87-010-196-080		CHIP CAPACITOR,0.1-25	C776	87-012-286-080		CAP,U 0.01-25
C915	87-010-196-080		CHIP CAPACITOR,0.1-25	C777	87-010-493-080		CAP,E 0.47-50 M 5L SRE
CN906	87-A60-594-010		CONN,17P TUC-P17X-B1	C778	87-010-401-080		CAP,ELECT 1-50V
J903	87-A61-236-010		JACK,PIN 3P Y/R/W	C779	87-010-401-080		CAP,ELECT 1-50V
				C780	87-010-196-080		CHIP CAPACITOR,0.1-25
VIDEO-3 C.B				C781	87-010-405-080		CAP,ELECT 10-50V
C951	87-010-196-080		CHIP CAPACITOR,0.1-25	C782	87-010-405-080		CAP,ELECT 10-50V
C952	87-010-196-080		CHIP CAPACITOR,0.1-25	C783	87-012-286-080		CAP,U 0.01-25
C953	87-010-188-080		CAP,CHIP 6800P	C784	87-012-286-080		CAP,U 0.01-25
C954	87-010-188-080		CAP,CHIP 6800P	C785	87-010-402-080		CAP,ELECT 2.2-50V
CN901	87-A60-130-010		CONN,5P V FE	C786	87-010-402-080		CAP,ELECT 2.2-50V
FB951	83-XM1-617-080		C-COIL,BK2125HM601	C787	87-012-275-080		C-CAP,U 1200P-50 B
FFC655	88-905-201-110		FF-CABLE,5P 1.25	C788	87-012-275-080		C-CAP,U 1200P-50 B
J951	87-A61-180-010		JACK,PIN 3P Y/W/R W/O SW G	C789	87-012-275-080		C-CAP,U 1200P-50 B
				C790	87-012-275-080		C-CAP,U 1200P-50 B
CONNECT C.B				C791	87-010-405-080		CAP,ELECT 10-50V
CN651	87-A60-131-010		CONN,6P V FE	C793	87-012-273-080		C-CAP,U 820P-50 B
CN652	87-A60-131-010		CONN,6P V FE	C794	87-010-406-080		CAP,ELECT 22-50
CN653	87-A60-138-010		CONN,13P V FE	C795	87-010-596-080		CAP,S 0.047-16
CN654	87-A60-138-010		CONN,13P V FE	C796	87-010-403-080		CAP,ELECT 3.3-50V
CN655	87-A60-130-010		CONN,5P V FE	C797	87-012-276-080		C-CAP,U 1500P-50 KB
CN656	87-A60-130-010		CONN,5P V FE	C798	87-012-276-080		C-CAP,U 1500P-50 KB
FFC651	88-906-231-110		FF-CABLE,6P 1.25 230MM	C799	87-010-829-080		CAP,U 0.047-16
FFC654	88-913-221-110		FF-CABLE,13P 1.25 220MM	C812	87-012-286-080		CAP,U 0.01-25
				C814	87-012-286-080		CAP,U 0.01-25
TUNER C.B				C820	87-010-260-080		CAP,ELECT 47-25V
C701	87-010-381-080		CAP,ELECT 330-16V	C821	87-012-286-080		CAP,U 0.01-25
C702	87-010-404-080		CAP,ELECT 4.7-50V	C822	87-012-286-080		CAP,U 0.01-25
C703	87-012-286-080		CAP,U 0.01-25	C823	87-012-286-080		CAP,U 0.01-25
C704	87-012-286-080		CAP,U 0.01-25	C828	87-010-196-080		CHIP CAPACITOR,0.1-25
C709	87-012-195-080		C-CAP,U 100P-50CH	C829	87-010-196-080		CHIP CAPACITOR,0.1-25
C711	87-010-260-080		CAP,ELECT 47-25V	C859	87-012-286-080		C-CAP,U 0.01-25 KB
C712	87-010-831-080		C-CAP,U,0.1-16F	C861	87-012-199-080		C-CAP,U 220P-50 J CH
				C862	87-012-199-080		C-CAP,U 220P-50 J CH
				C863	87-012-270-080		C-CAP,U 470P-50 KB

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C864	87-010-405-080		CAP,E 10-50 M 11L SME	△ PR10	87-026-682-080		PROTECTOR,10A 491 SERIES 60V
C865	87-010-196-080		C-CAP,S 0.1-25 ZF	△ PT1	8A-MTM-612-010		PT,AMT-M EZ
C866	87-010-405-080		CAP,E 10-50 M 11L SME	△ PT2	8Z-NF8-662-010		PT,SUB ZNF-8 (E)
C867	87-012-286-080		C-CAP,U 0.01-25 KB	△ RY1	87-A91-418-010		RELAY,AC12V G5PA-1-M
C868	87-012-184-080		C-CAP,U 33P-50 J CH				
C869	87-012-180-080		C-CAP,U 22P-50 J CH				
C940	87-012-286-080		C-CAP,U 0.01-25 KB				
C942	87-012-168-080		C-CAP,U 6P-50 D CH				
C947	87-012-286-080		C-CAP,U 0.01-25 KB				
C949	87-A10-039-080		C-CAP,U 470P-50 J CH				
C952	87-012-286-080		C-CAP,U 0.01-25 KB				
C958	87-010-197-080		C-CAP,S 0.01-25 KB				
C959	87-010-831-080		C-CAP,U 0.1-16 ZF				
C960	87-010-196-080		CHIP CAPACITOR,0.1-25				
C962	87-010-401-080		CAP,E 1-50 M 11L SME				
CF801	87-008-423-010		FLTR,CF SFE10.7MS3G-A				
CF802	82-785-747-010		CF,MS2 GHY R				
CN701	87-A60-650-010		CONN,16P H GRY TUC-P16X-C1				
FFE801	A8-6ZA-191-130		6ZA-1 FEENM				
J801	87-033-241-010		TERMINAL,ANT 2P AJ-2039				
L771	87-A50-266-010		COIL,FM DET-2N(TOK)				
L772	87-A91-110-010		FLTR,PCFJZH-450(TOK)				
L781	87-005-847-080		COIL,2.2UH CECS				
L791	87-A50-027-010		COIL,1 POLE MPX(TOK)				
L792	87-A50-027-010		COIL,1 POLE MPX(TOK)				
L832	87-005-847-080		COIL,2.2UH K CECS				
L851	87-005-847-080		COIL,2.2UH K CECS				
L941	87-A50-020-010		COIL,ANT LW(COI)252KHZ				
L942	87-A50-019-010		COIL,OSC LW(COI) 856KHZ				
L981	8Z-ZA1-665-010		COIL,AM PACK 2(TOK)				
TC942	87-011-164-010		TRIMMER,CER 30P 4.5X3.9 VCT31				
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309				
X851	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309				
PT C.B							
C1	87-010-388-090		CAP,E 1000-25 M SME				
C2	87-A11-148-080		CAP,TC U 0.1-50F				
C3	87-A11-148-080		CAP,TC U 0.1-50F				
C4	87-A11-148-080		CAP,TC U 0.1-50F				
C5	87-A11-148-080		CAP,TC U 0.1-50F				
C7	87-A10-479-080		CAP,CER 2200P-250 M E KH				
C8	87-A12-056-090		CAP,E 4700-35				
C9	87-A12-056-090		CAP,E 4700-35				
C10	87-A10-416-090		CAP,E 6800-80 SMG VB				
C11	87-A10-416-090		CAP,E 6800-80 SMG VB				
C12	87-A11-148-080		CAP,TC U 0.1-50F				
C13	87-A11-148-080		CAP,TC U 0.1-50F				
C14	87-A11-148-080		CAP,TC U 0.1-50F				
C15	87-A11-148-080		CAP,TC U 0.1-50F				
C16	87-A10-416-090		CAP,E 6800-80 SMG VB				
C17	87-A10-416-090		CAP,E 6800-80 SMG VB				
C18	87-018-214-080		CAP,TC U 0.1-50F				
C19	87-018-214-080		CAP,TC U 0.1-50F				
C20	87-010-403-080		CAP,ELECT 3.3-50V				
C21	87-A11-148-080		CAP,TC U 0.1-50F				
C22	87-A11-148-080		CAP,TC U 0.1-50F				
CN1	87-A61-110-010		CONN,9P V TID-A				
CN2	87-A60-850-010		CONN,7P V VH				
CN5	87-099-674-010		CONN,2P V VA				
CN6	87-A60-937-010		CONN,2P V VH				
△ PR1	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR2	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR3	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR4	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR5	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR6	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR7	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR8	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				
△ PR9	87-026-682-080		PROTECTOR,10A 491 SERIES 60V				

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

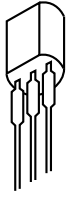
Chip Resistor Part Coding



チップ抵抗
Chip resistor

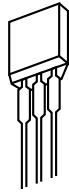
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm)			抵抗コード : A Resistor Code : A	
				外形/Form	L	W		t
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B

2SA952
CC5551
CSA1585
CSC4115
CSD655
KTA1266
KTC3198



E C B

DTC114ES
KTC3199



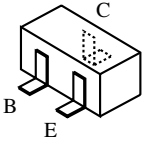
B C E

2SB1588
2SD2439
FN1016
FP1016

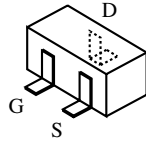


B C E

2SB1370



2SA1235 DTA123JK
2SC2714 KTA1298
2SC3052 RT1N141C
2SC3326 RT1P141C
CMBT5401 RT1P144C
CMBT5551 RT1P441C
DTA123EKA



2SK2158
2SJ561-T1



G D S

2SK2937



G D S

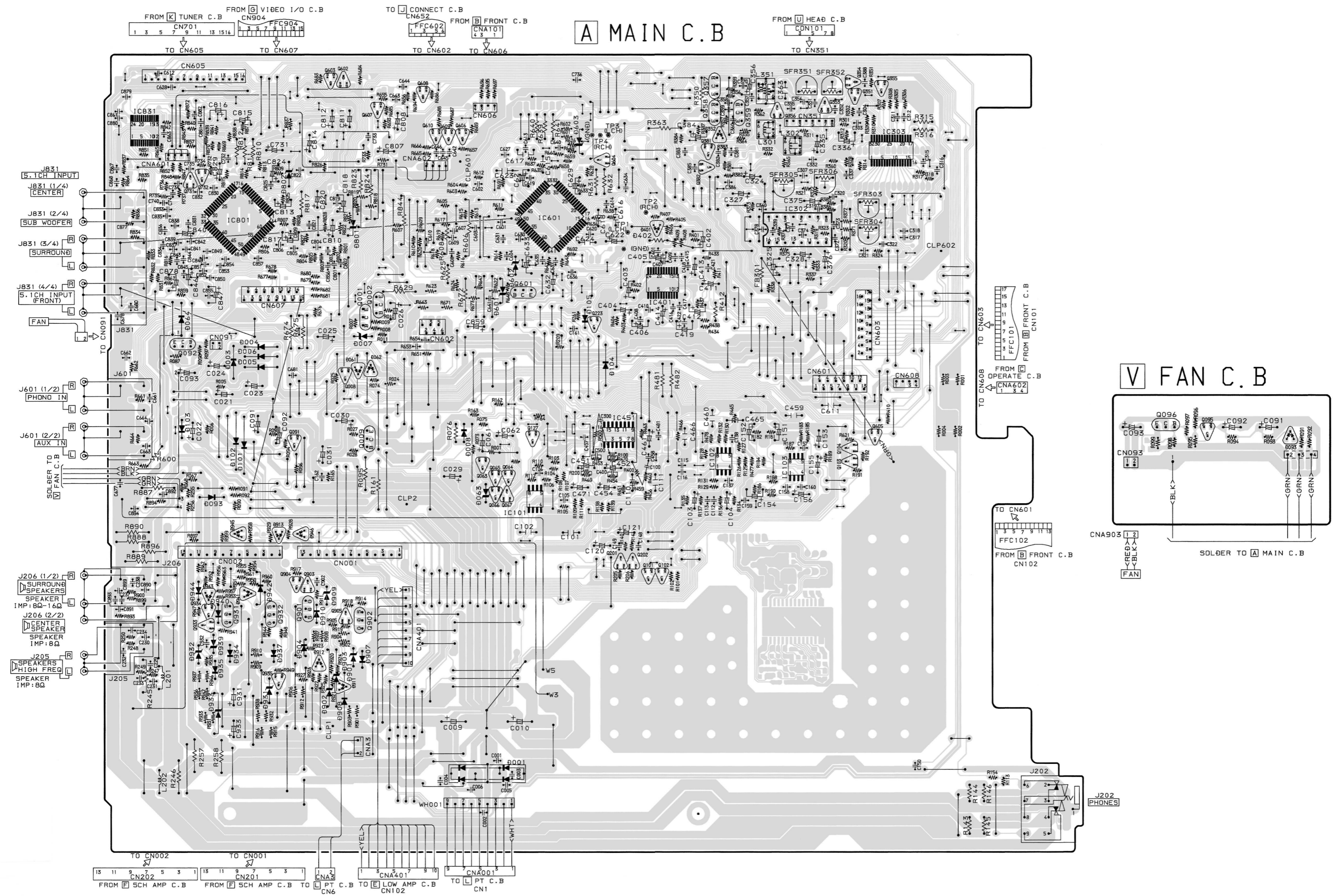
2SK3053

32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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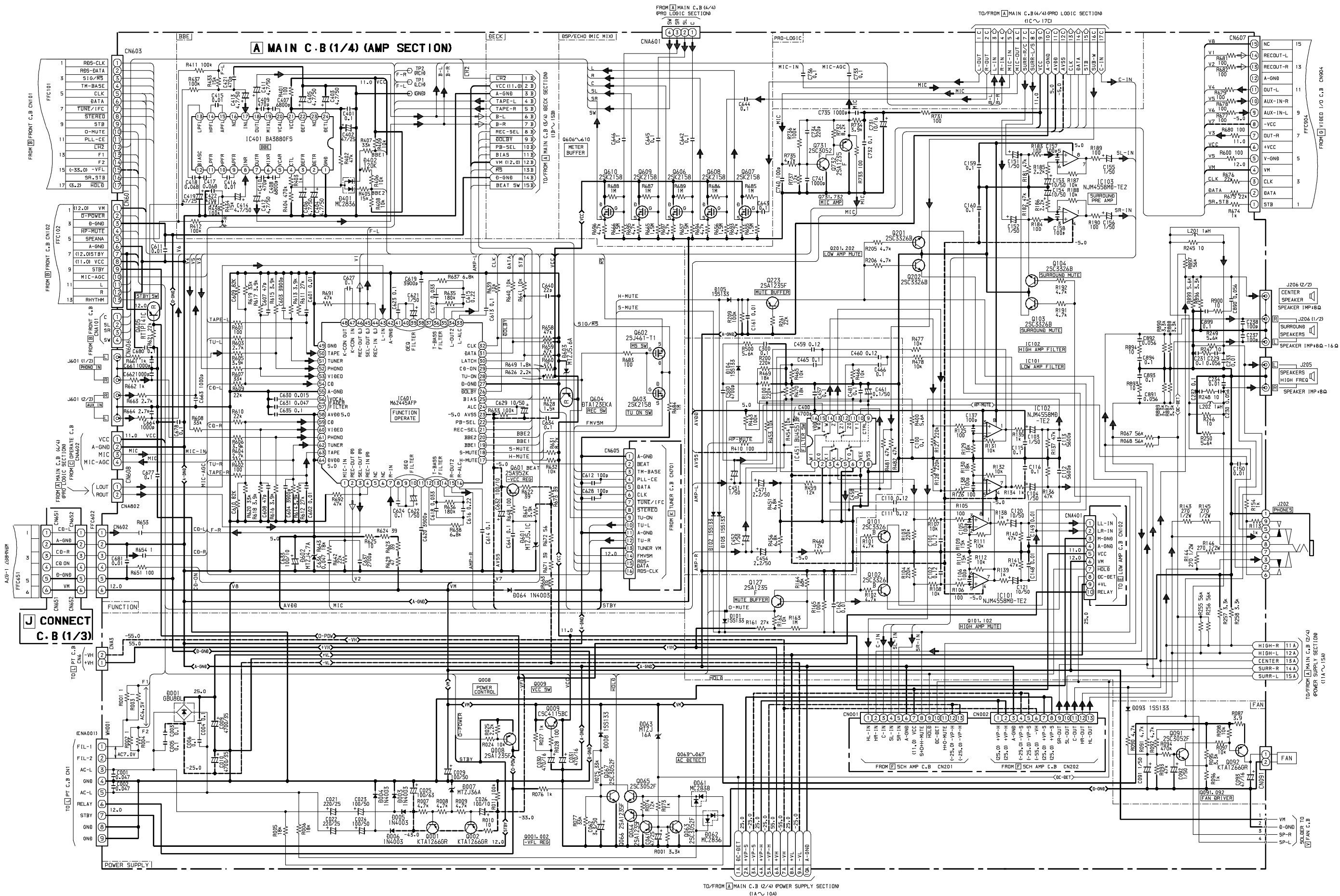
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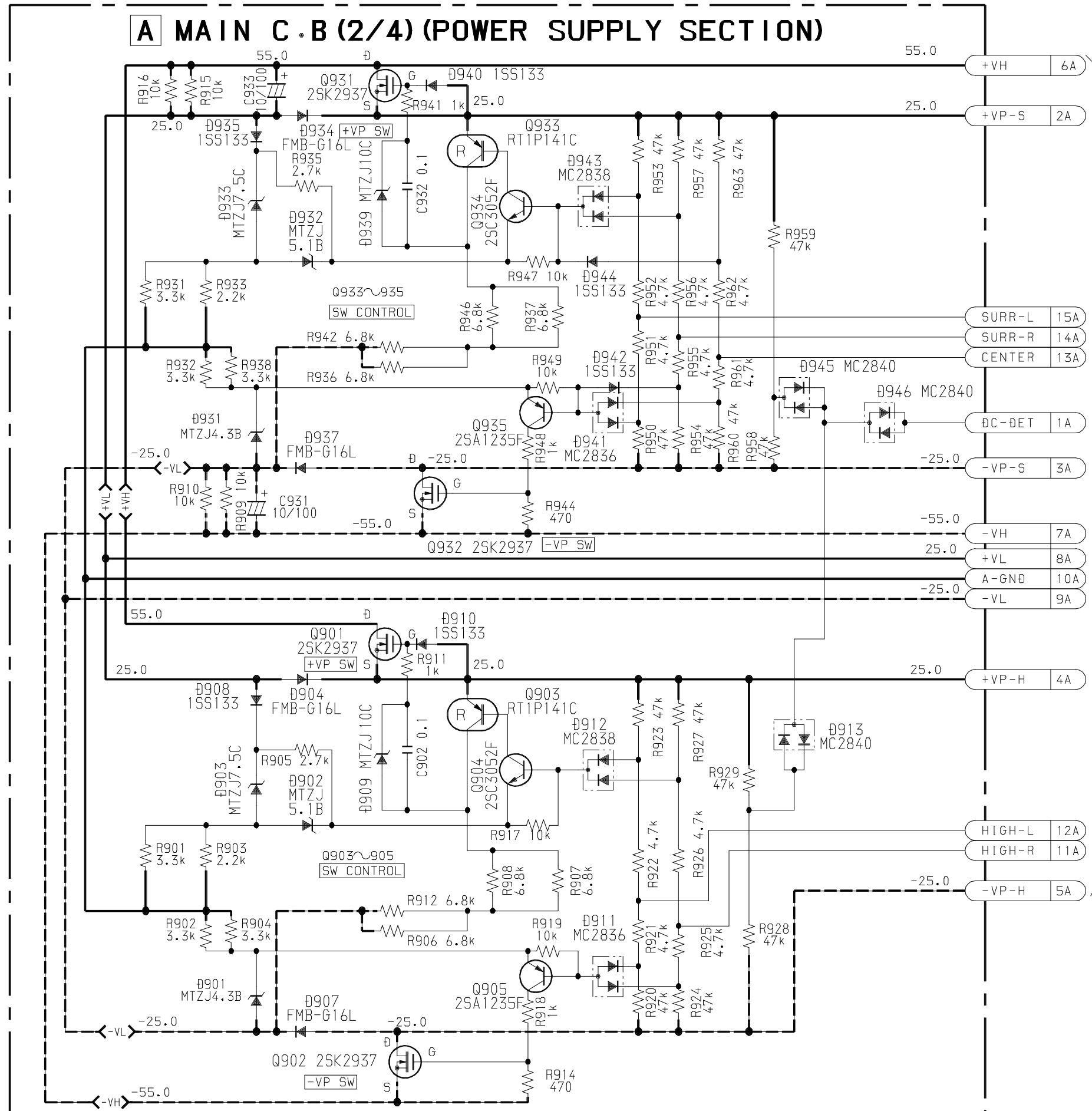
A MAIN C.B

V FAN C.B



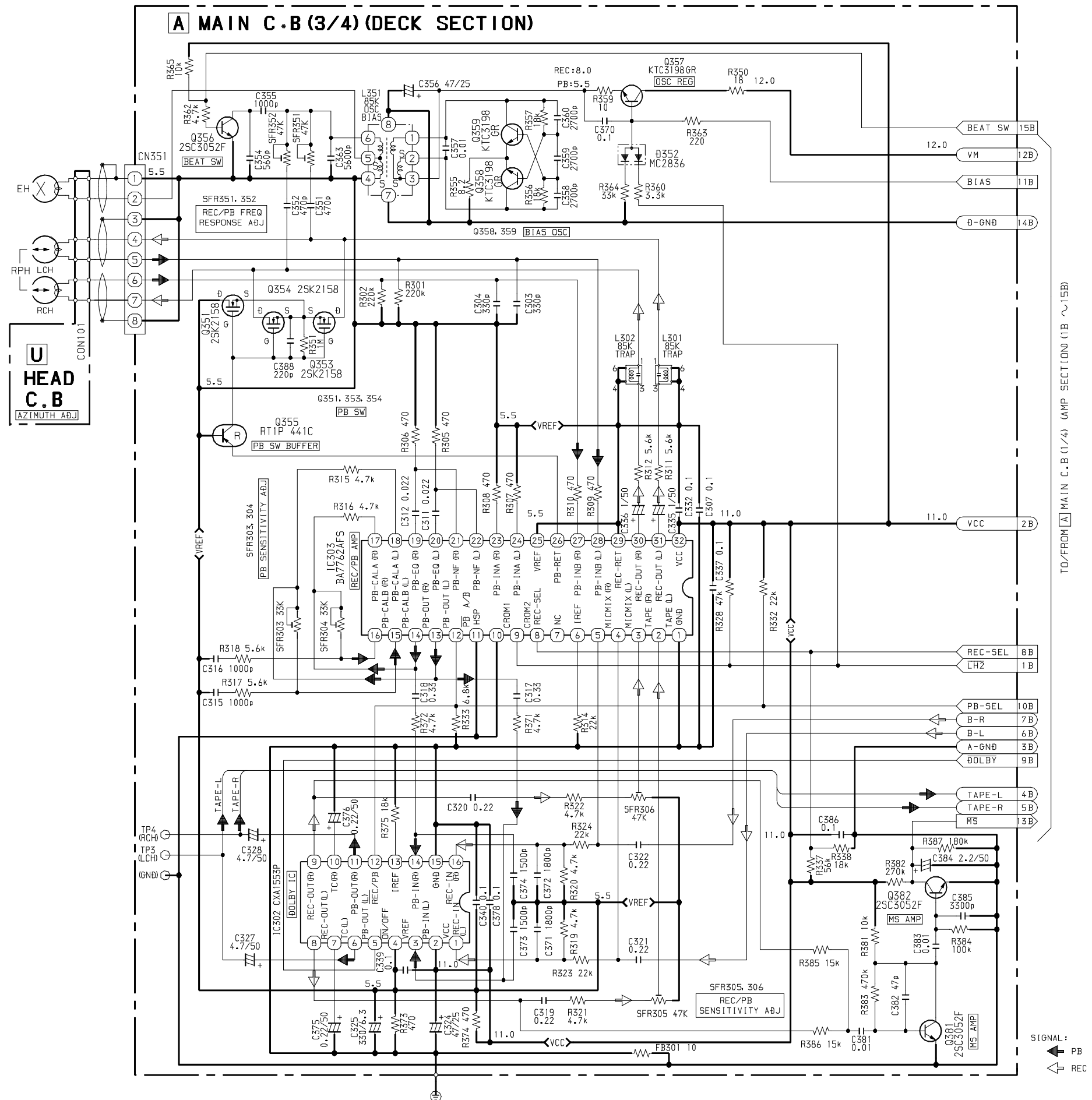
SCHEMATIC DIAGRAM-1 (MAIN (1/4: AMP SECTION)/CONNECT (1/3))

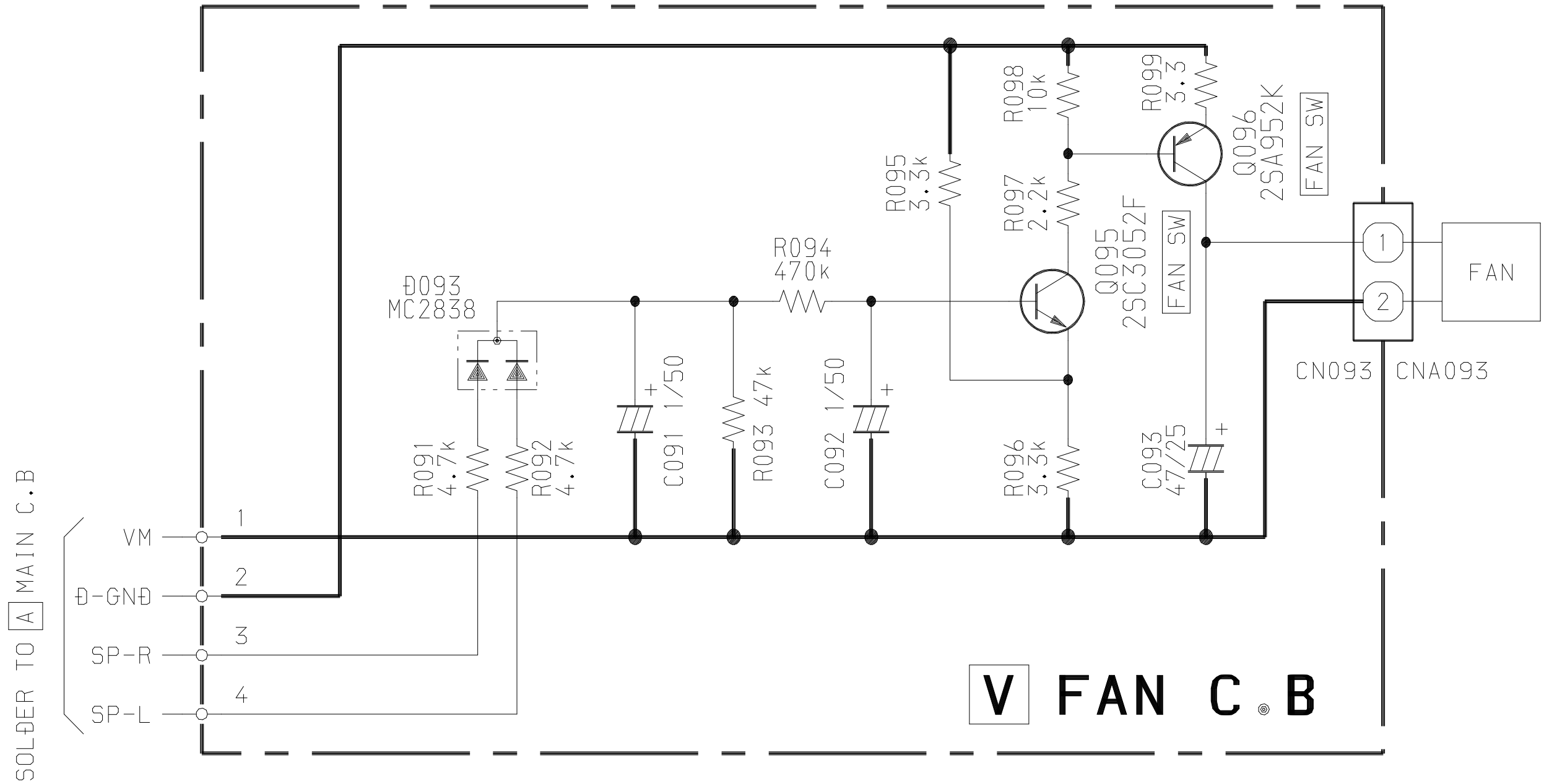




TO/FROM A MAIN C.B (1/4) (AMP SECTION) (1A~15A)

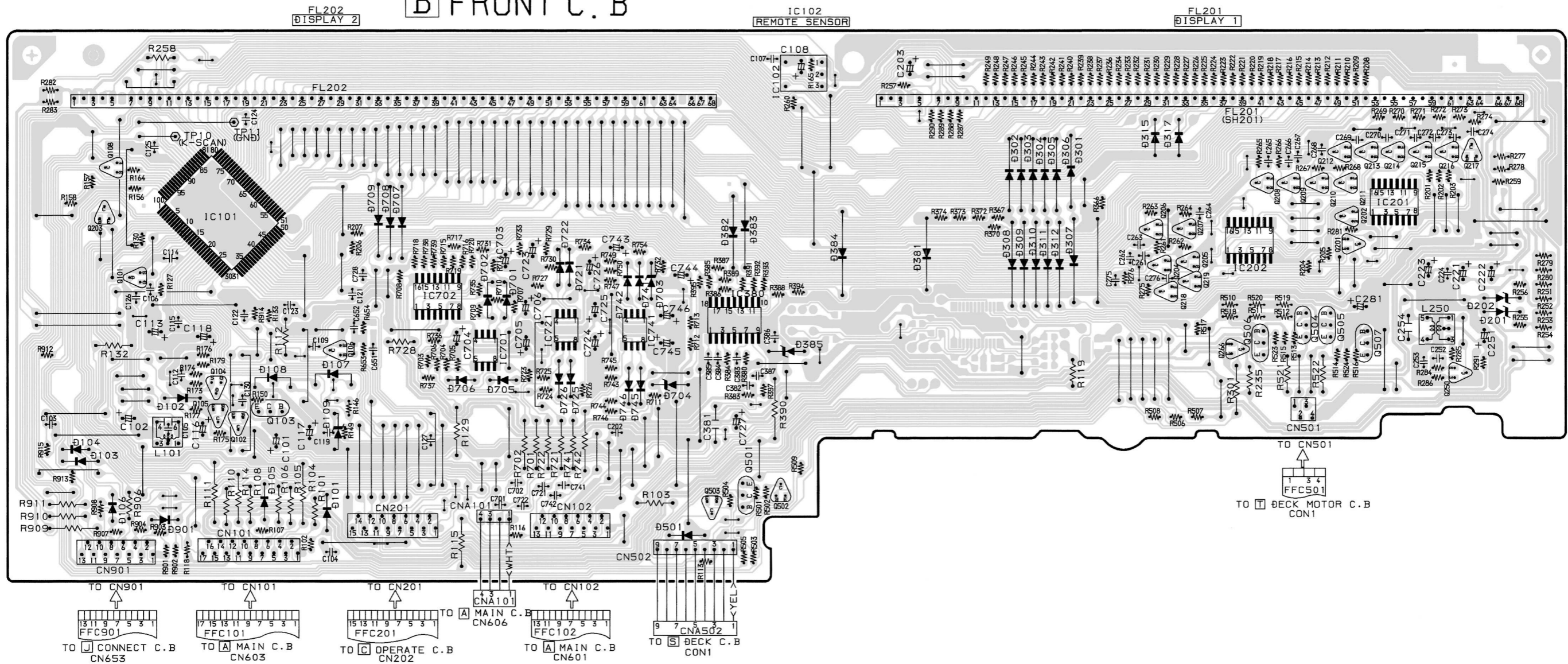
SCHEMATIC DIAGRAM - 3 (MAIN (3/4 : DECK SECTION))



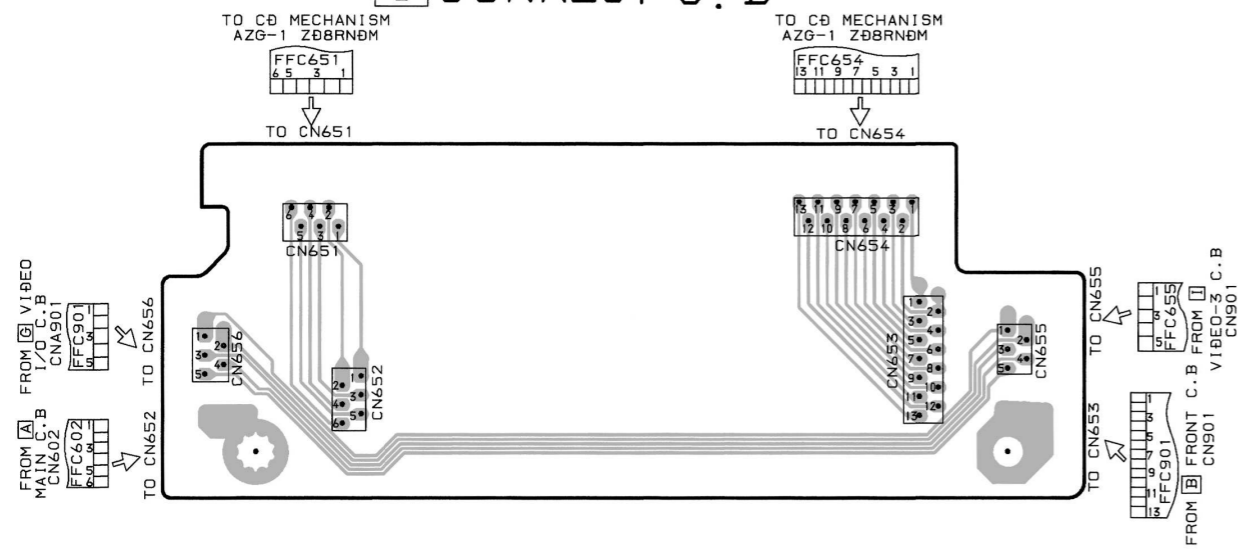


32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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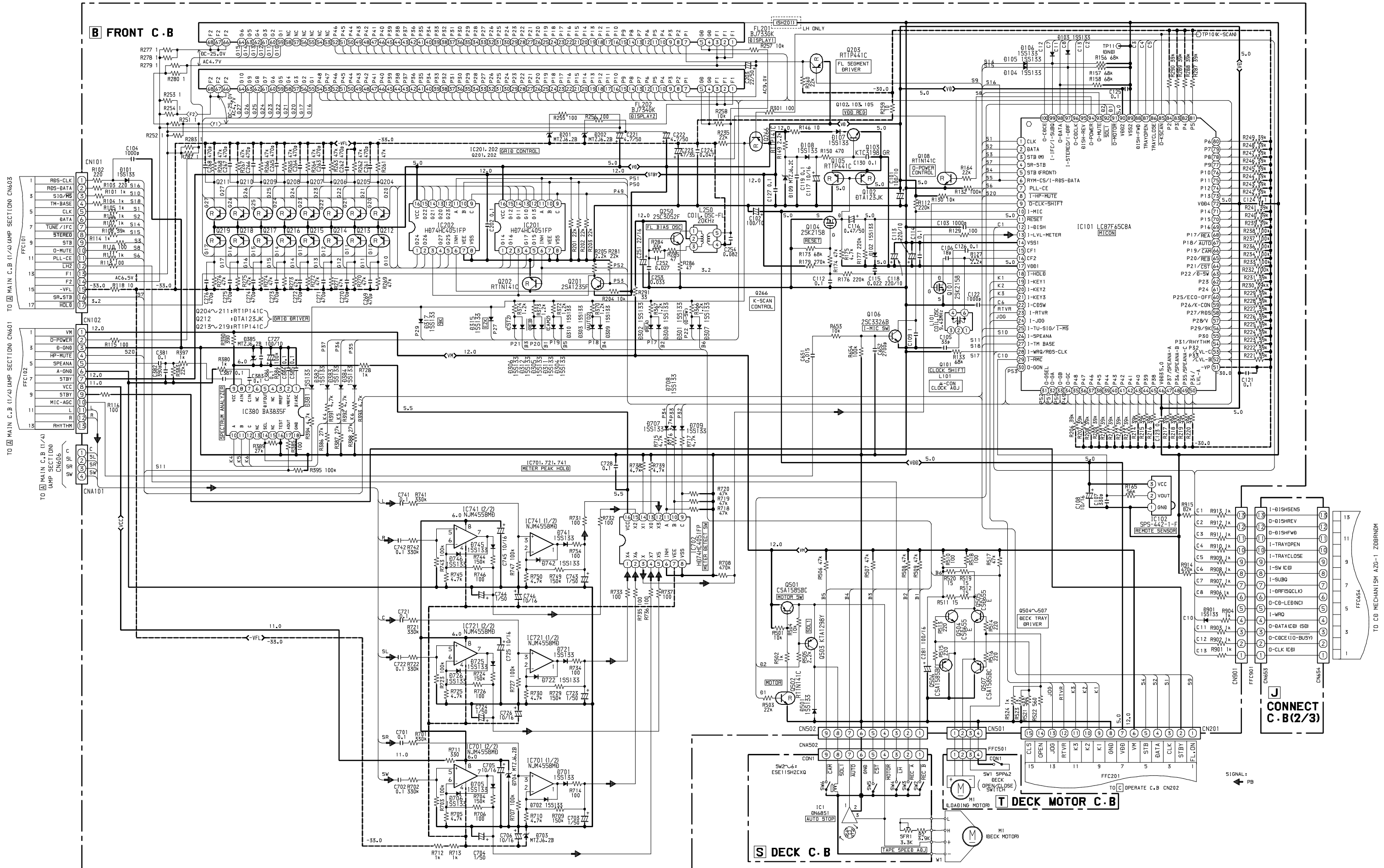
B FRONT C. B



J CONNECT C. B

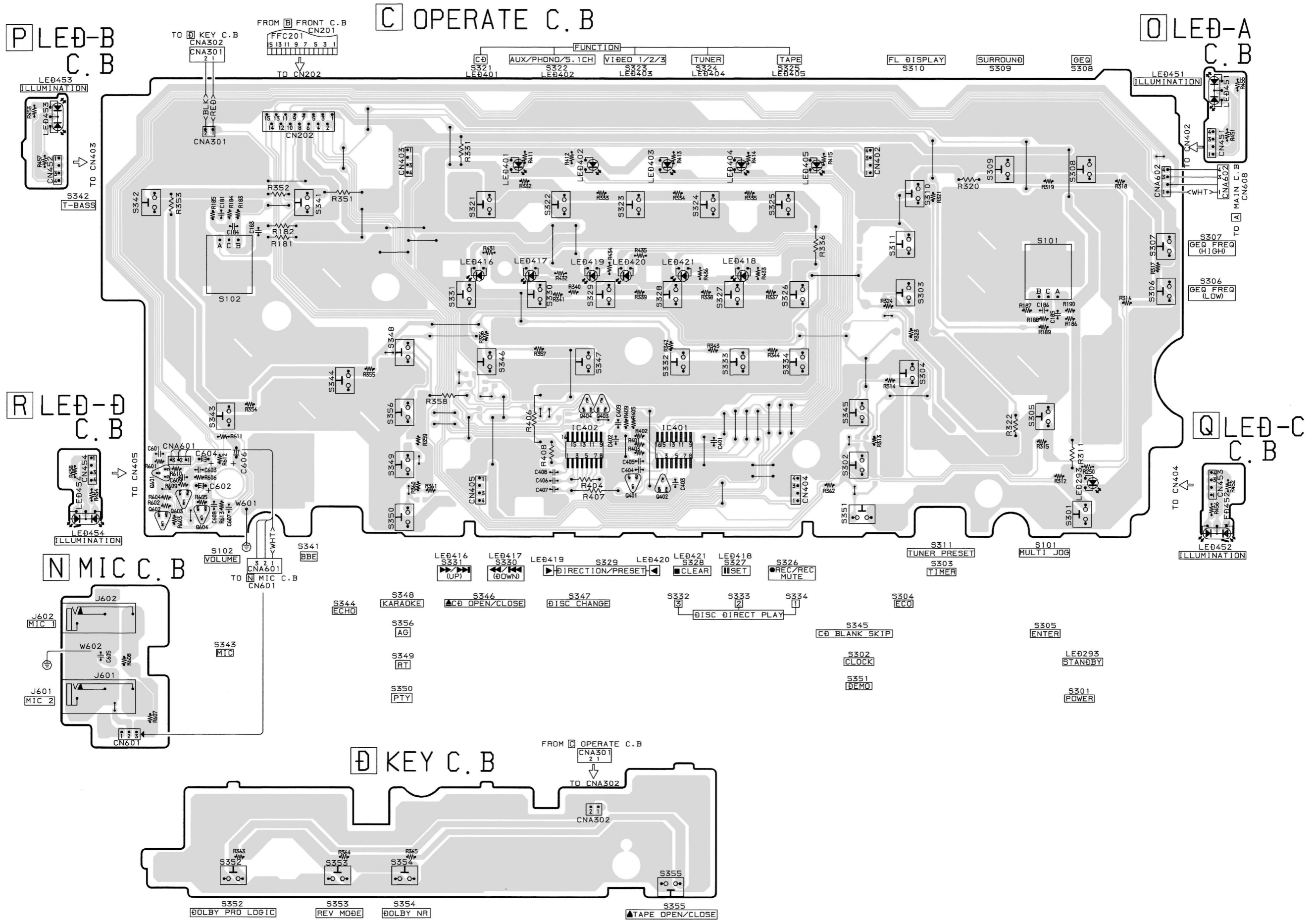


SCHEMATIC DIAGRAM - 6 (FRONT / CONNECT (2 / 3) / DECK / DECK MOTOR)

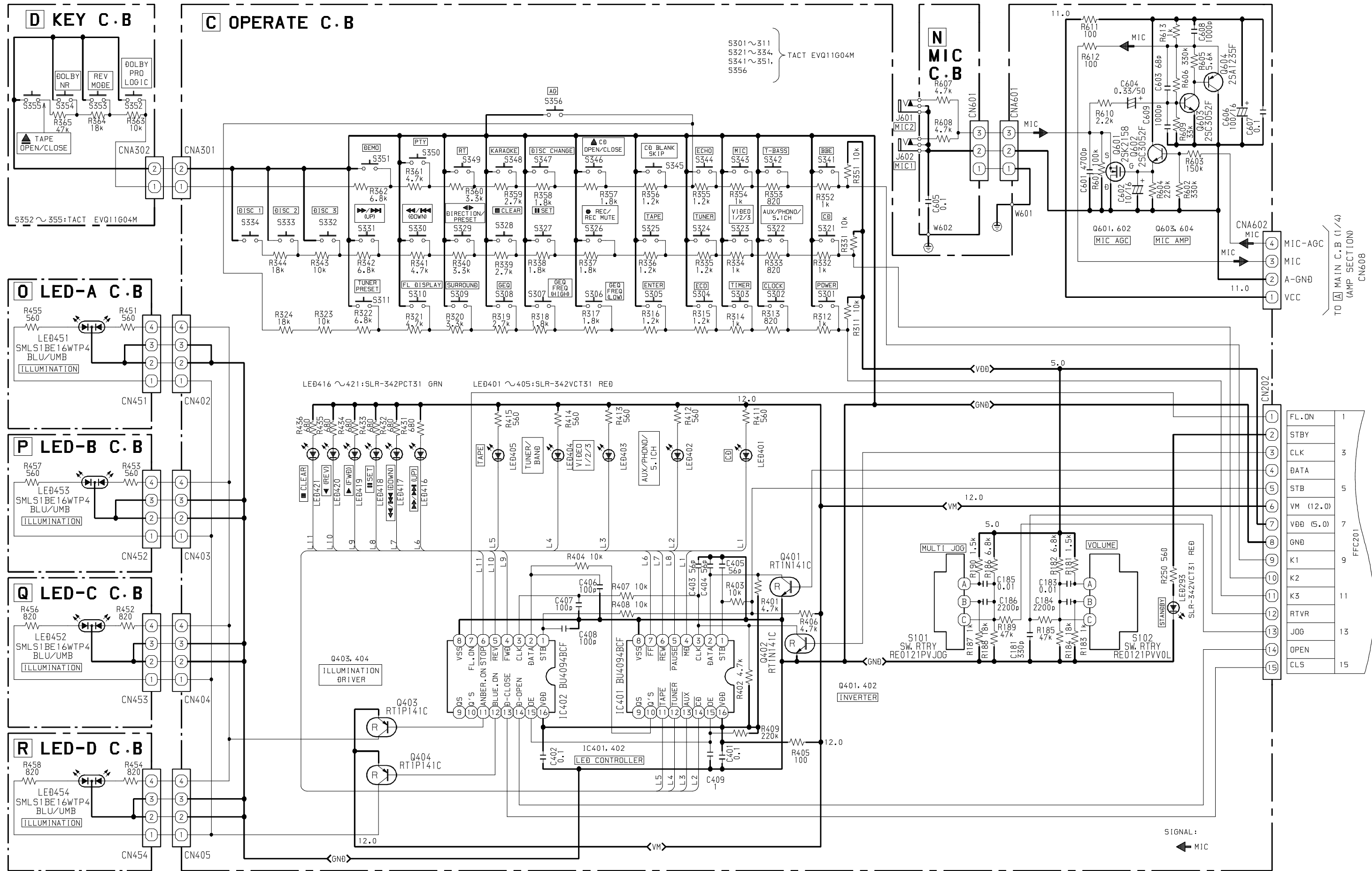


32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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SCHEMATIC DIAGRAM - 7 (OPERATE / KEY / MIC/LED-A~D)



TO MAIN C.B (1/4)
(AMP SECTION)
CN608

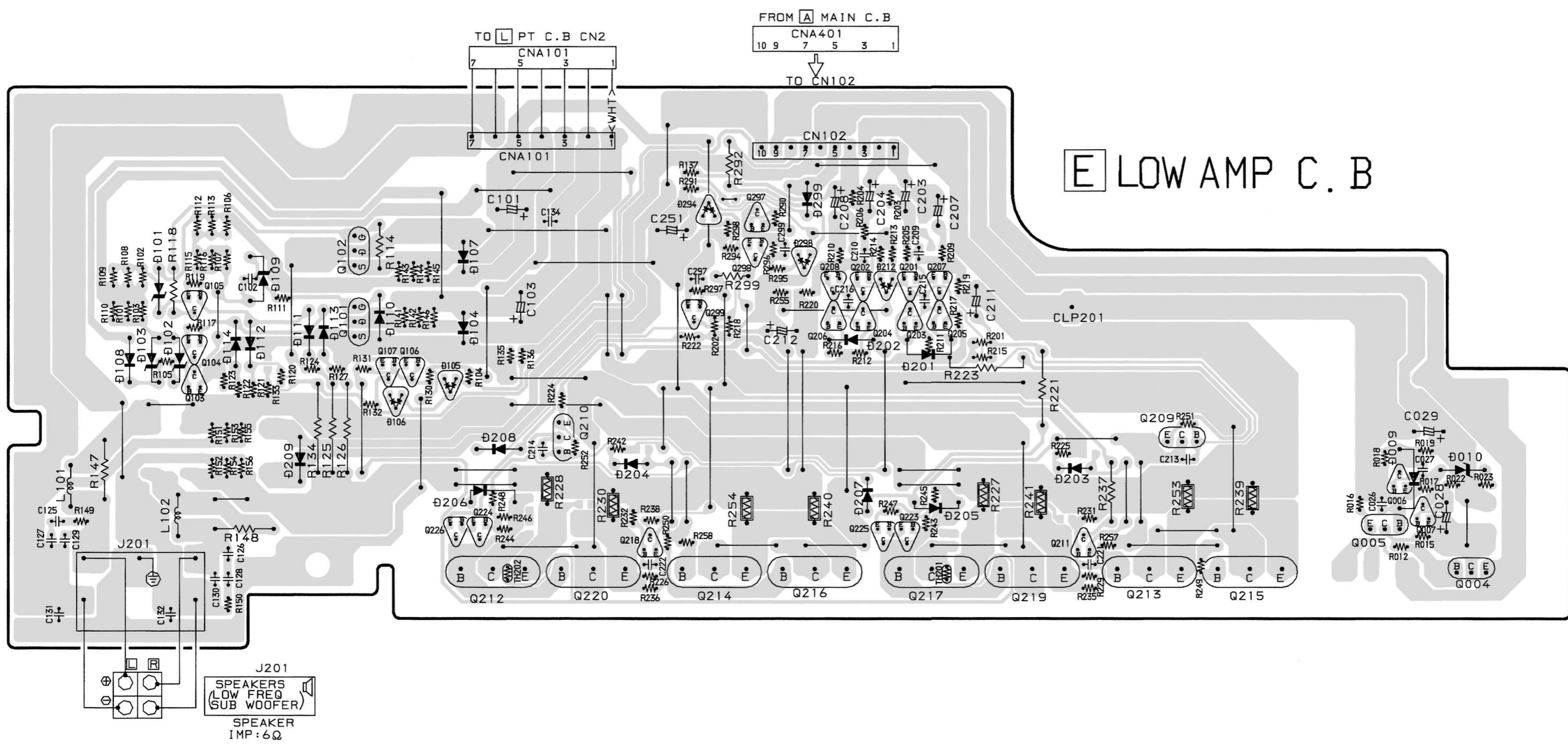
FROM FRONT C.B CN201

FL.ON	1
STBY	2
CLK	3
DATA	4
STB	5
VM (12.0)	6
VDD (5.0)	7
GND	8
K1	9
K2	10
K3	11
RTVR	12
JOG	13
OPEN	14
CLS	15

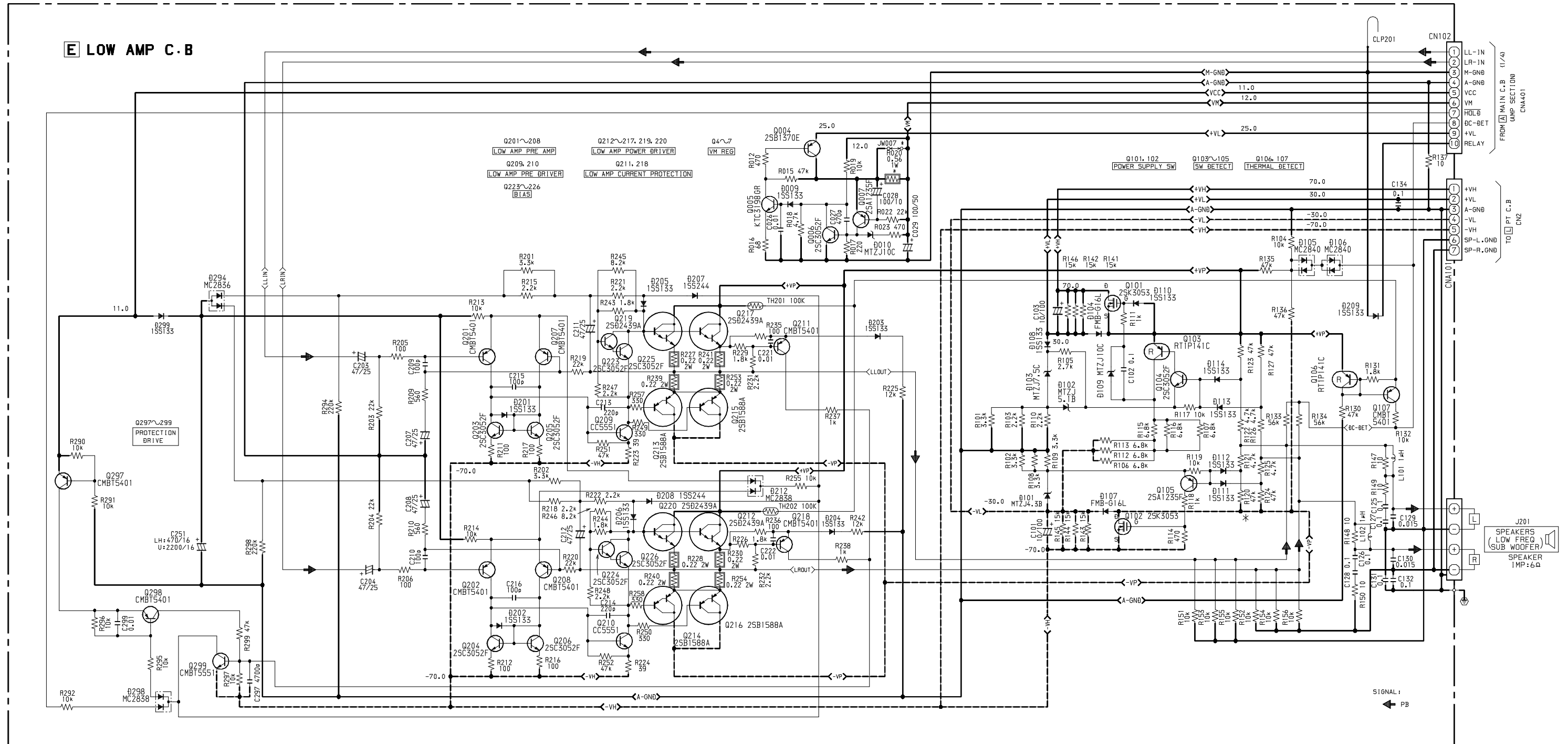
WIRING - 4 (LOW AMP)

32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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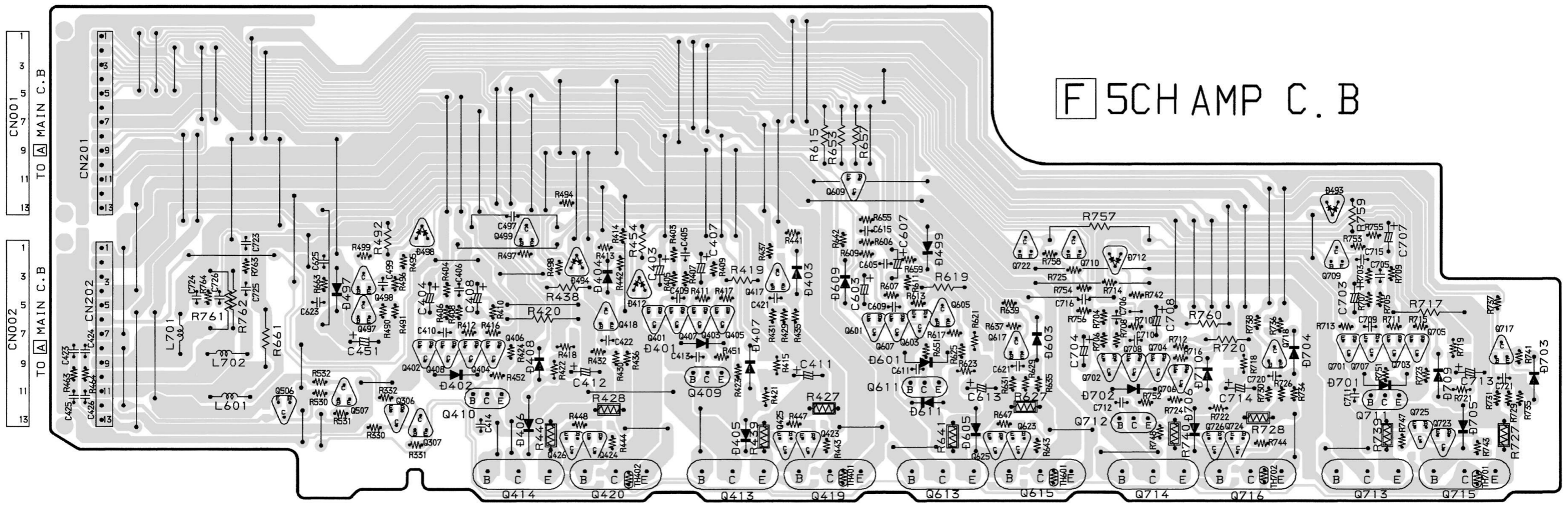
SCHEMATIC DIAGRAM-8 (LOW AMP)



WIRING - 5 (5CH AMP)

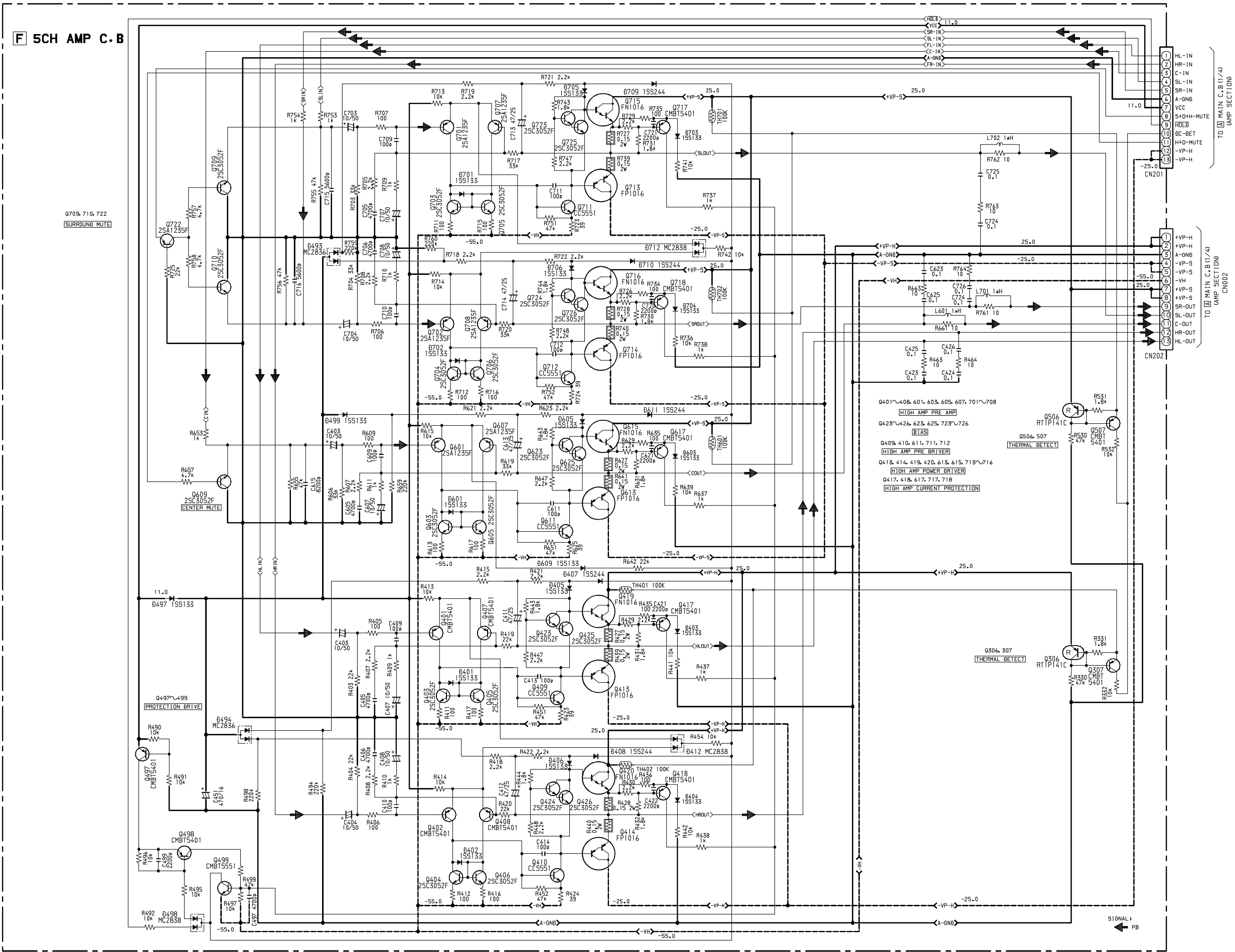
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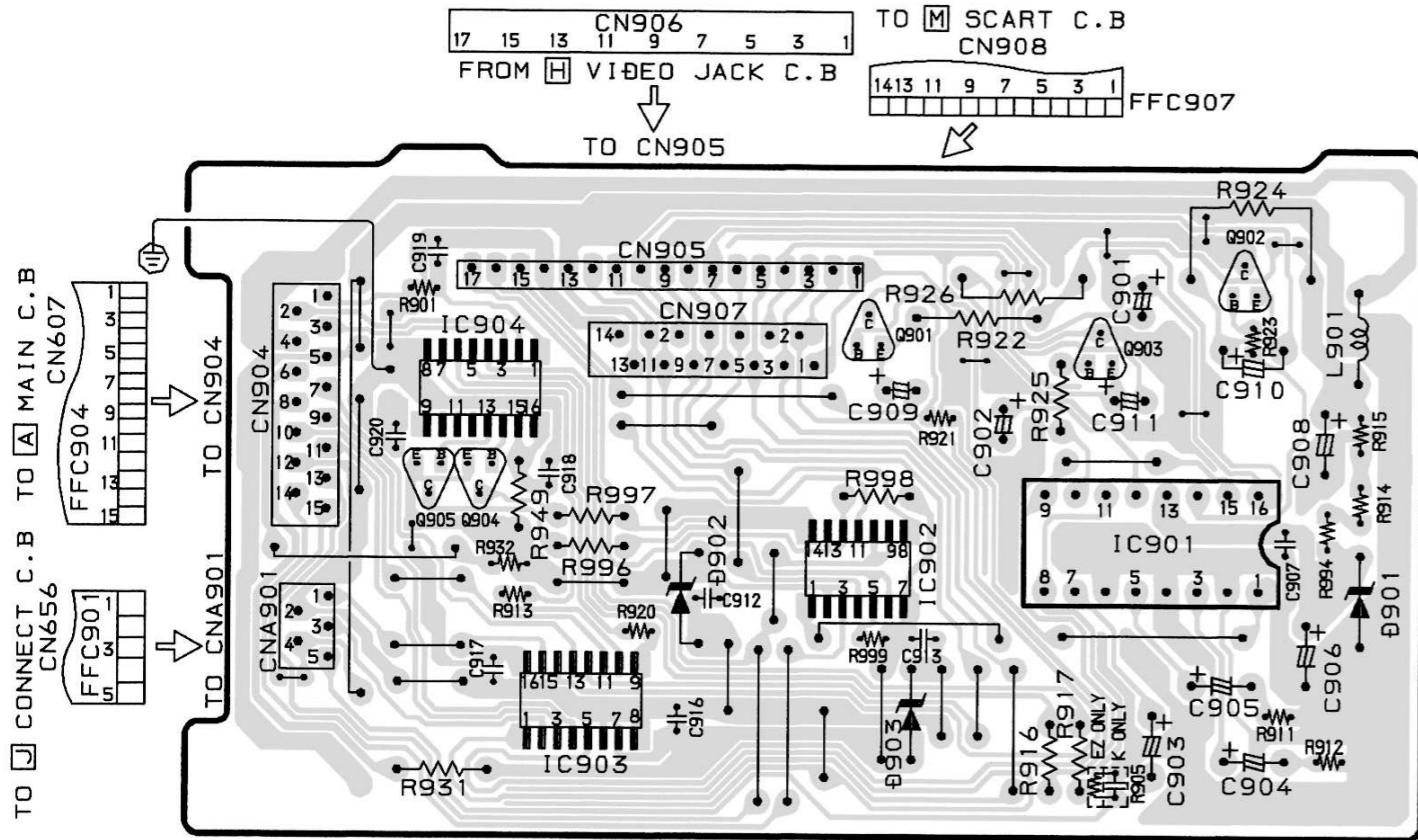
F 5CH AMP C.B

SCHEMATIC DIAGRAM - 9 (5CH AMP)

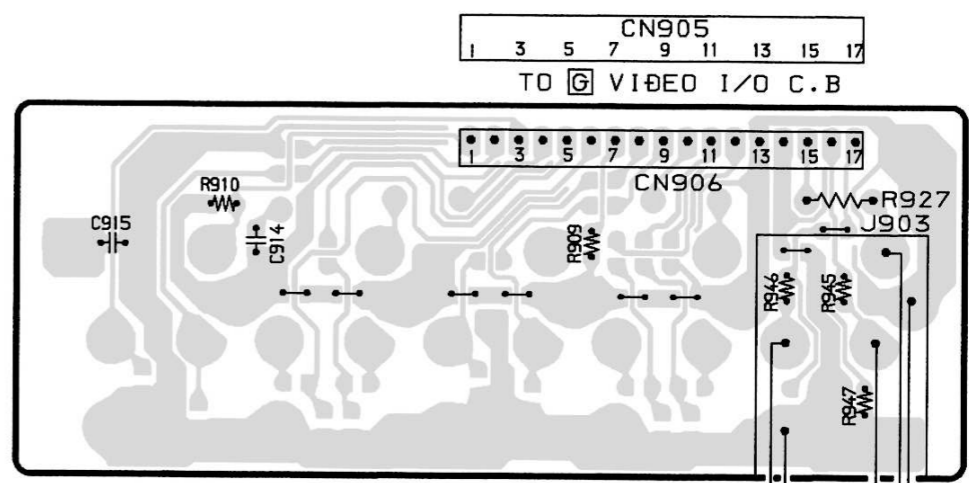


32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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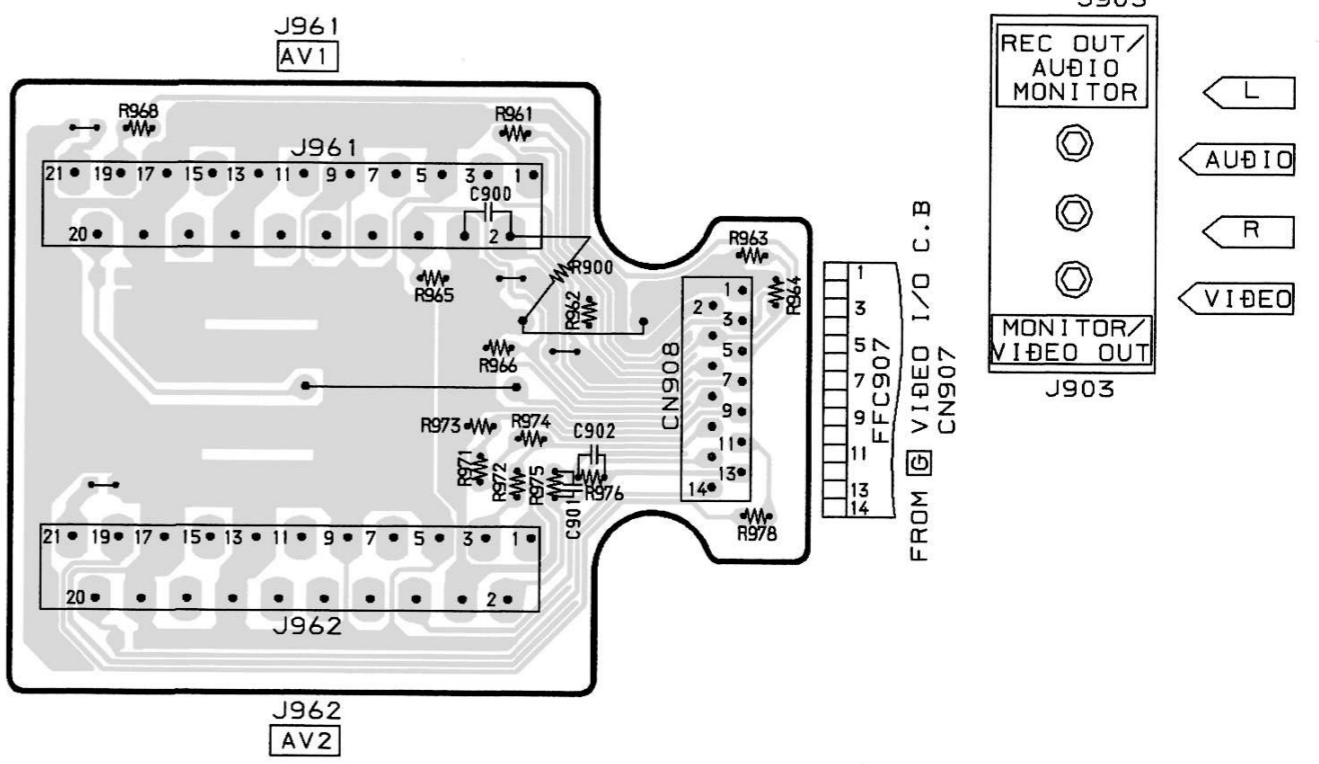
G VIDEO I/O C.B



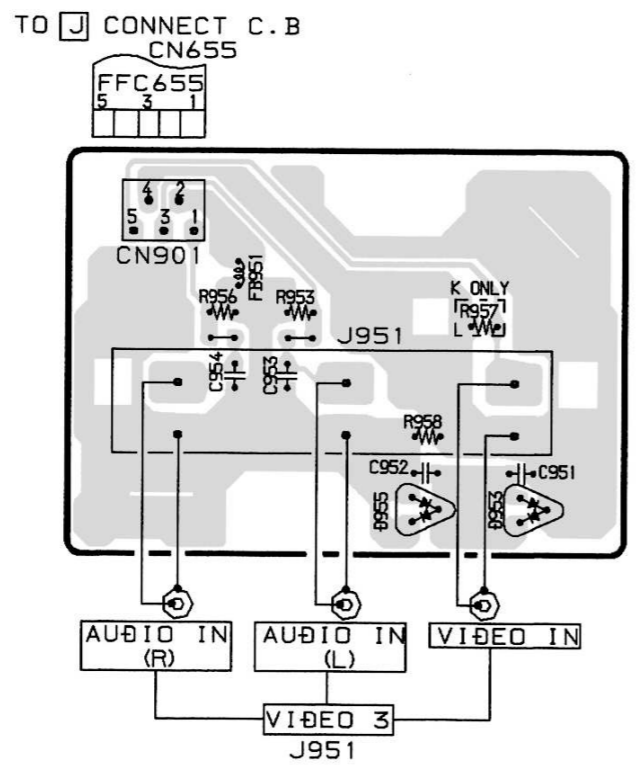
H VIDEO JACK C.B



M SCART C.B

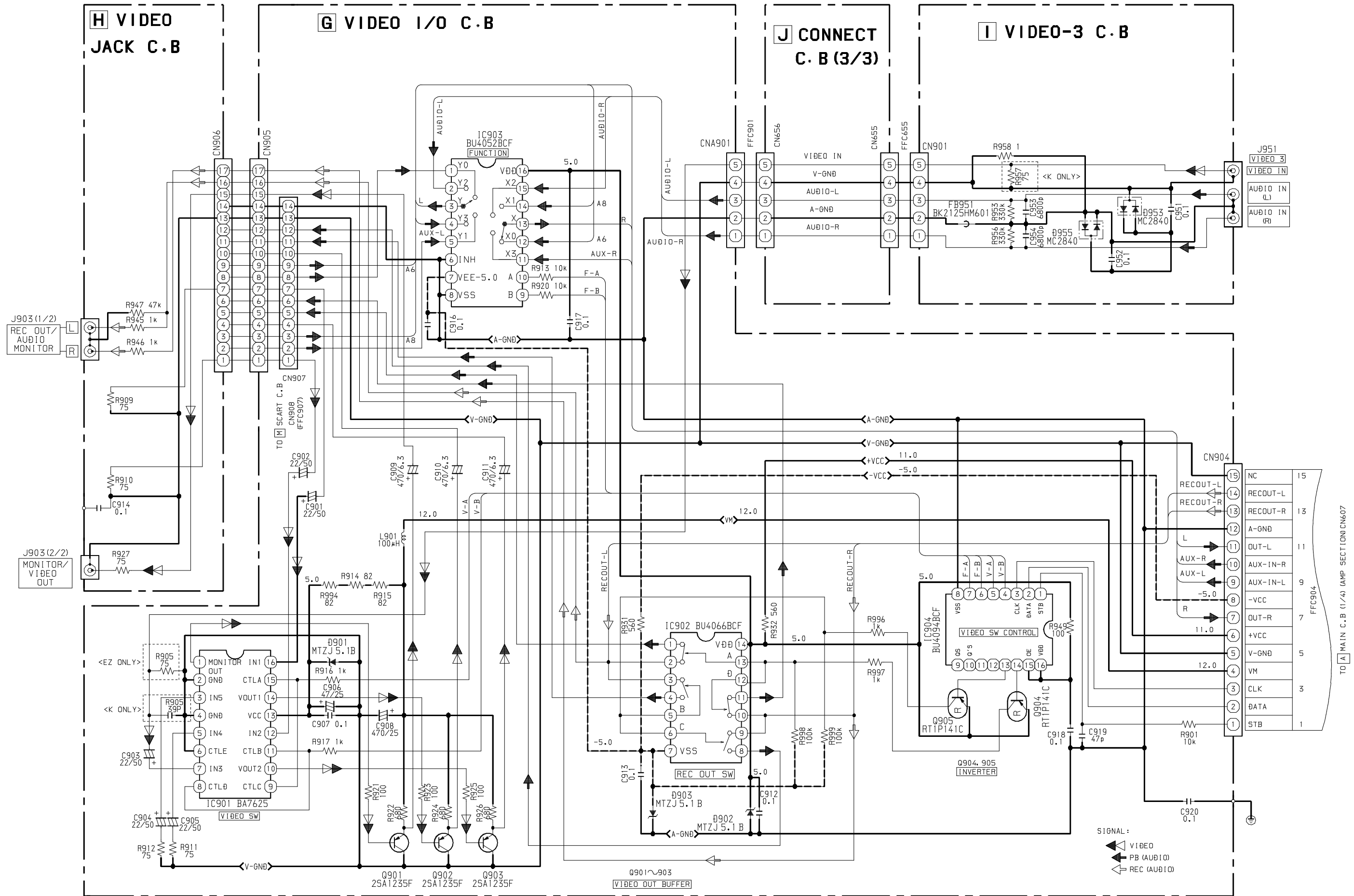


I VIDEO-3 C.B

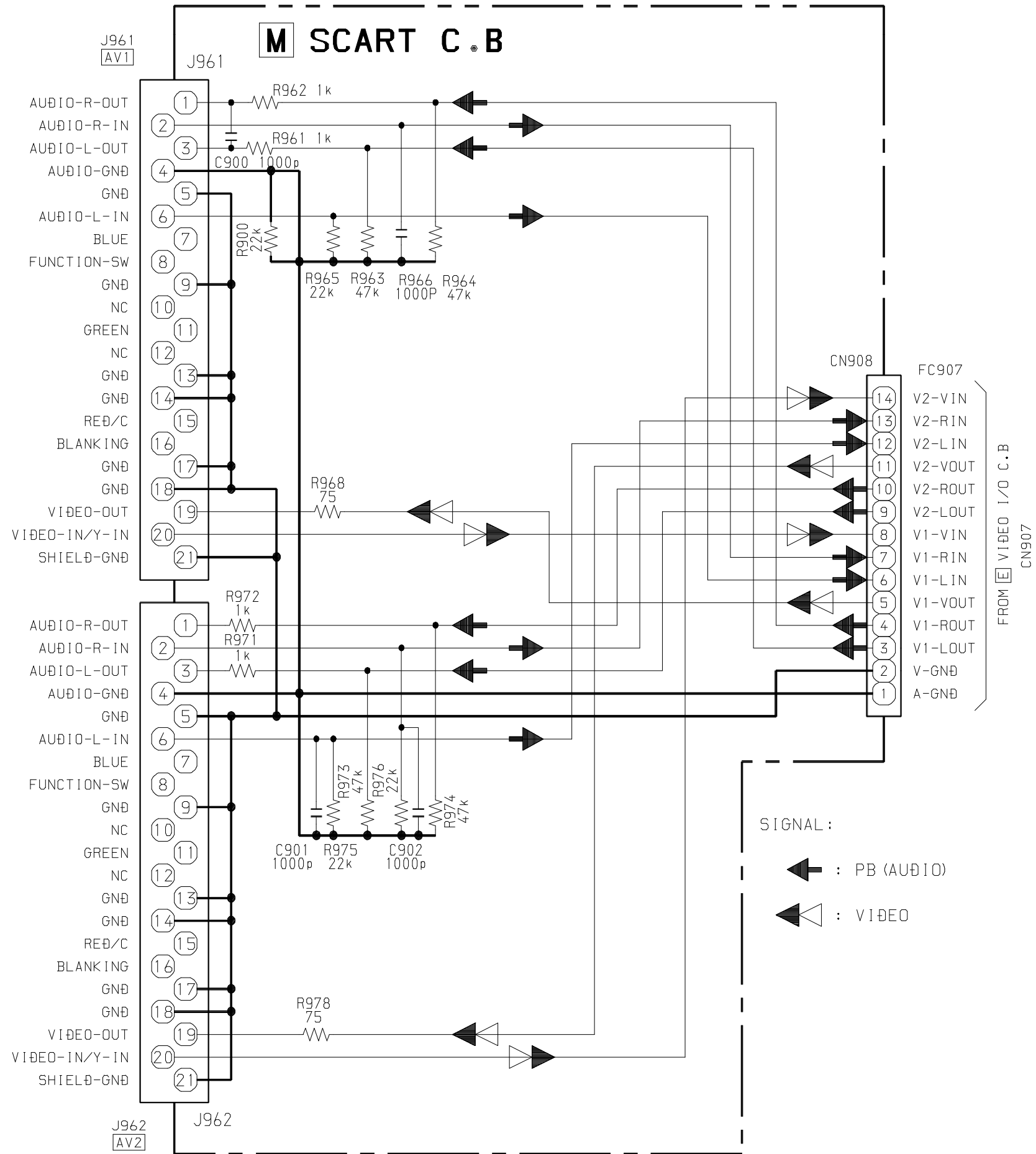


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SCHEMATIC DIAGRAM - 10 (VIDEO I/O / VIDEO JACK / VIDEO-3 / CONNECT (3/3))



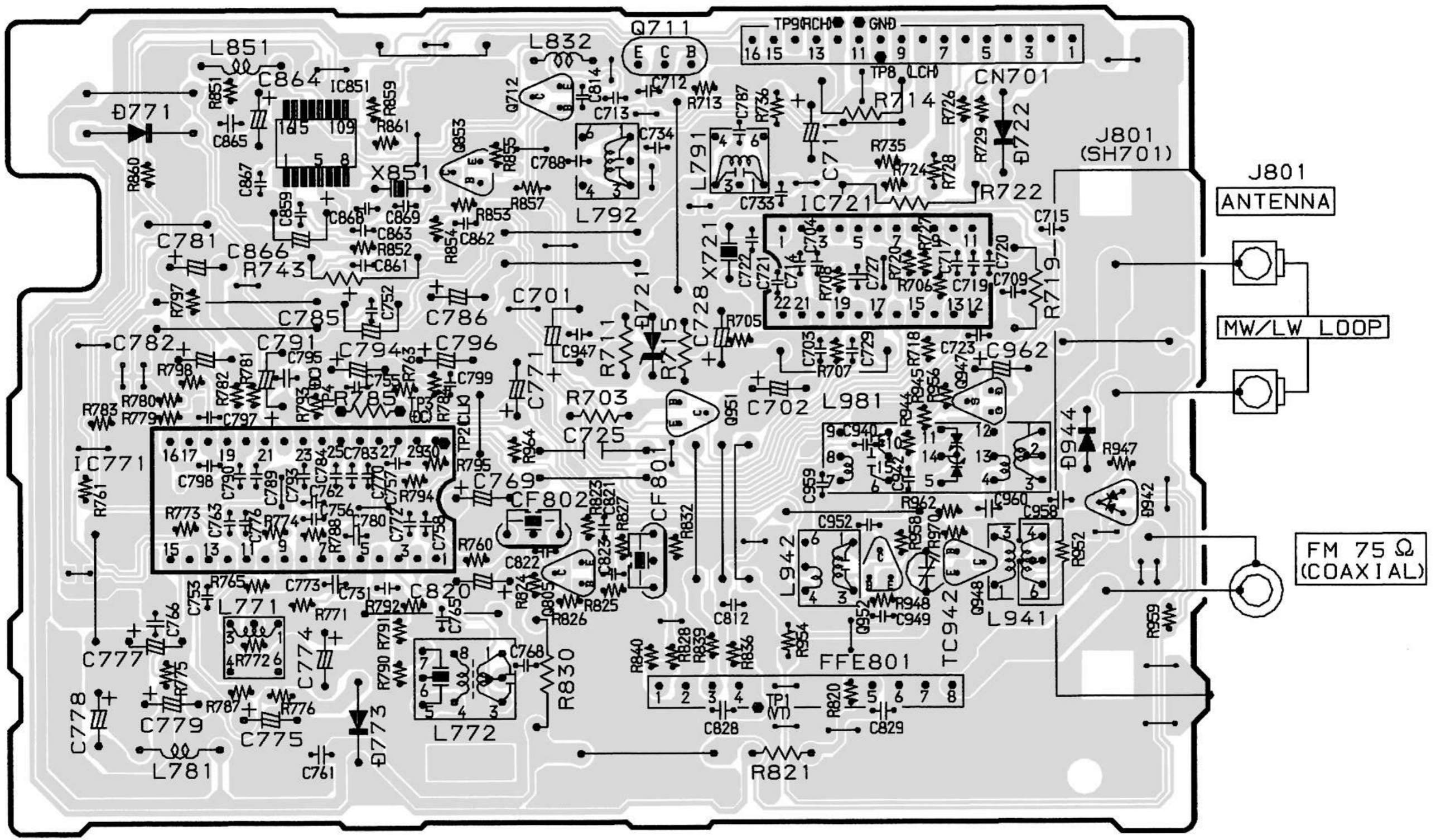
SCHEMATIC DIAGRAM – 11 (SCART)



32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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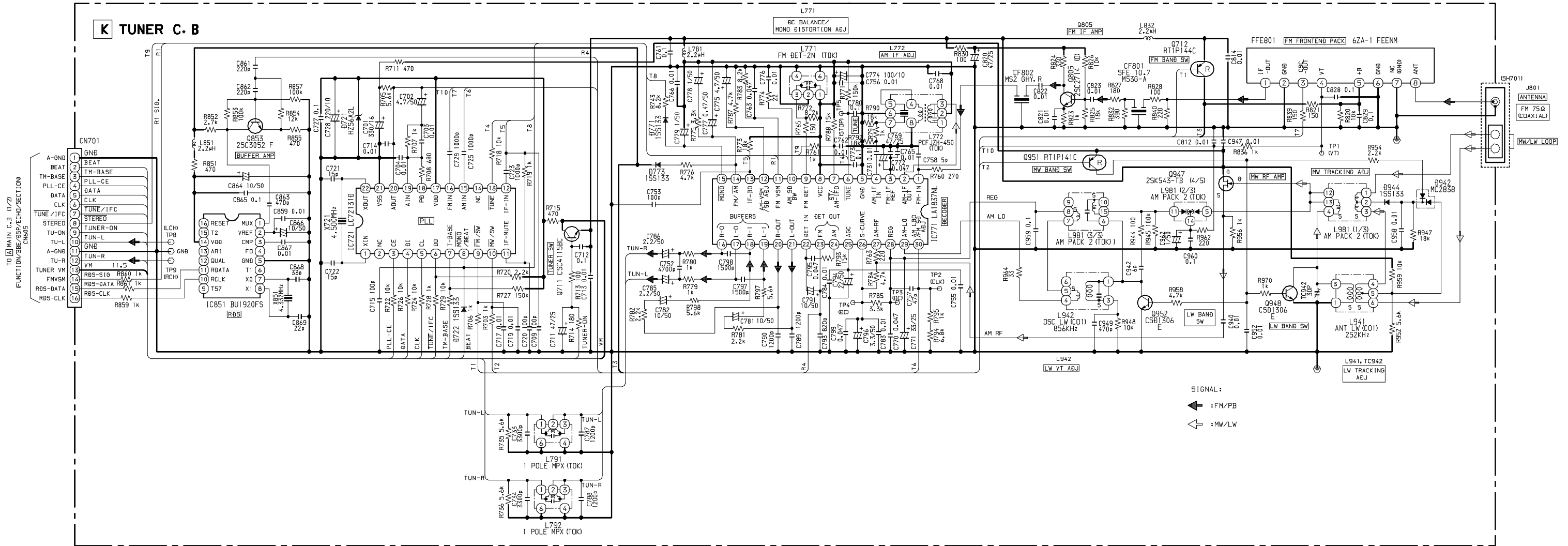
K TUNER C.B

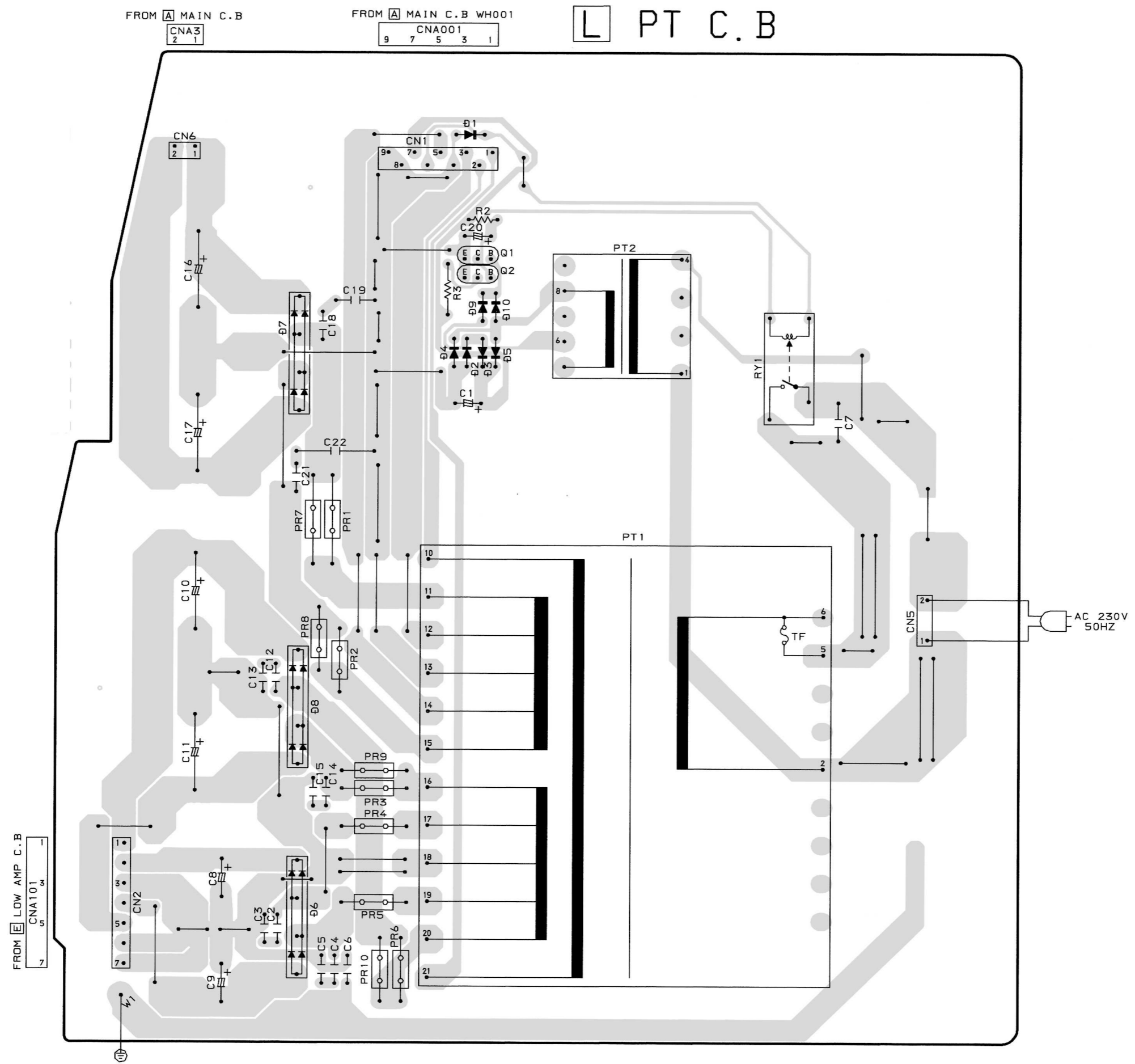
CN605
16 15 13 11 9 7 5 3 1
TO A MAIN C.B

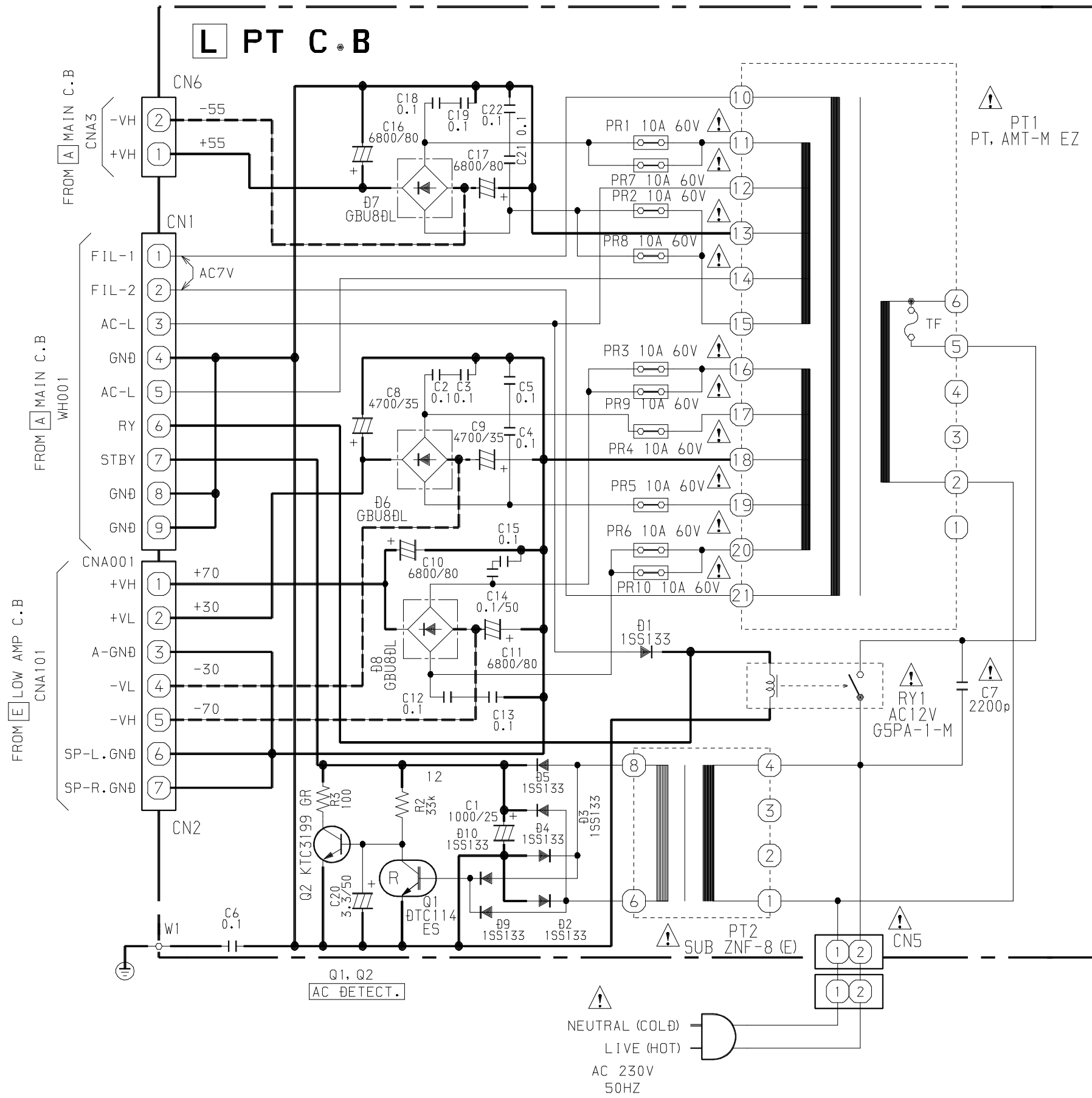


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SCHEMATIC DIAGRAM – 12 (TUNER)

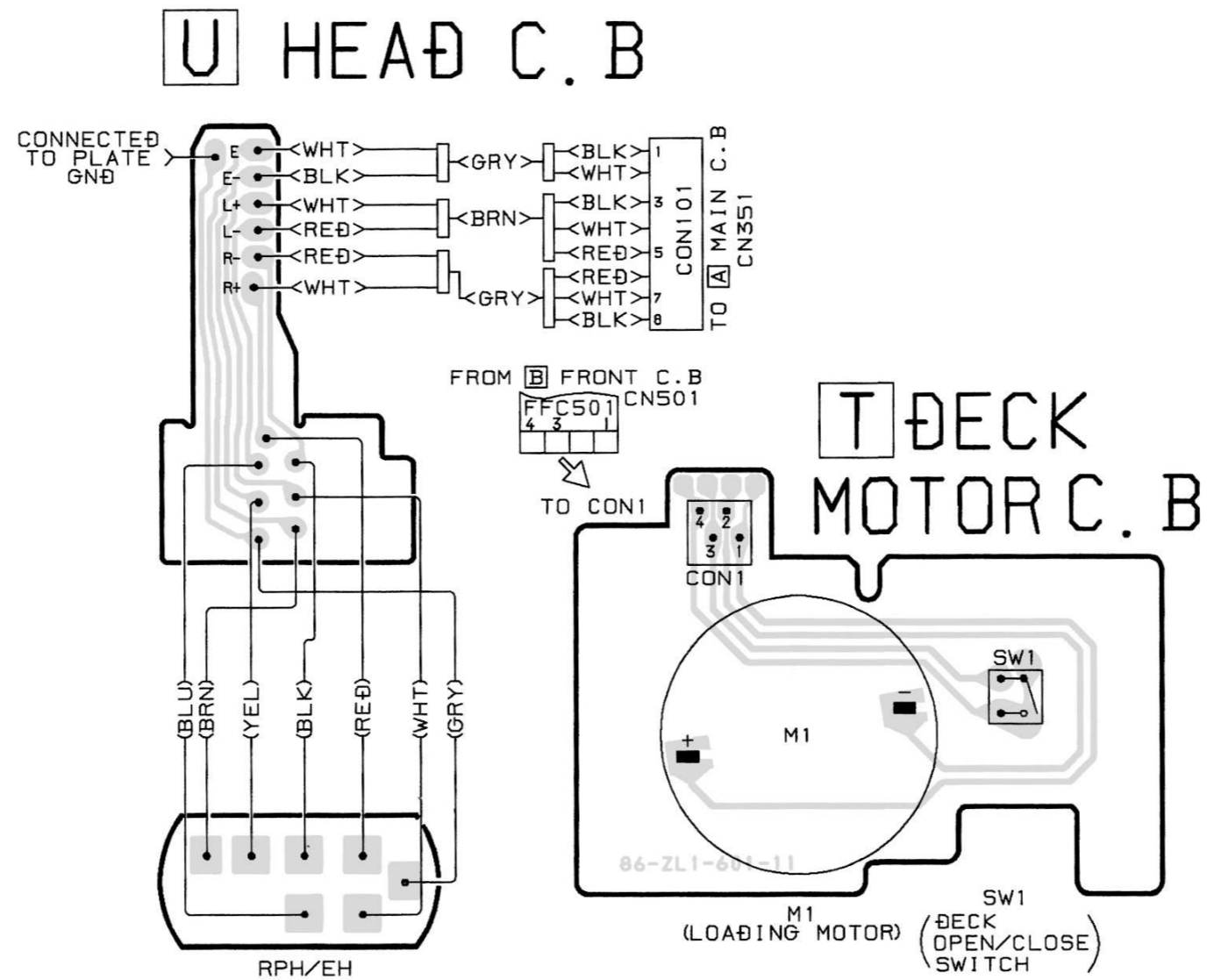
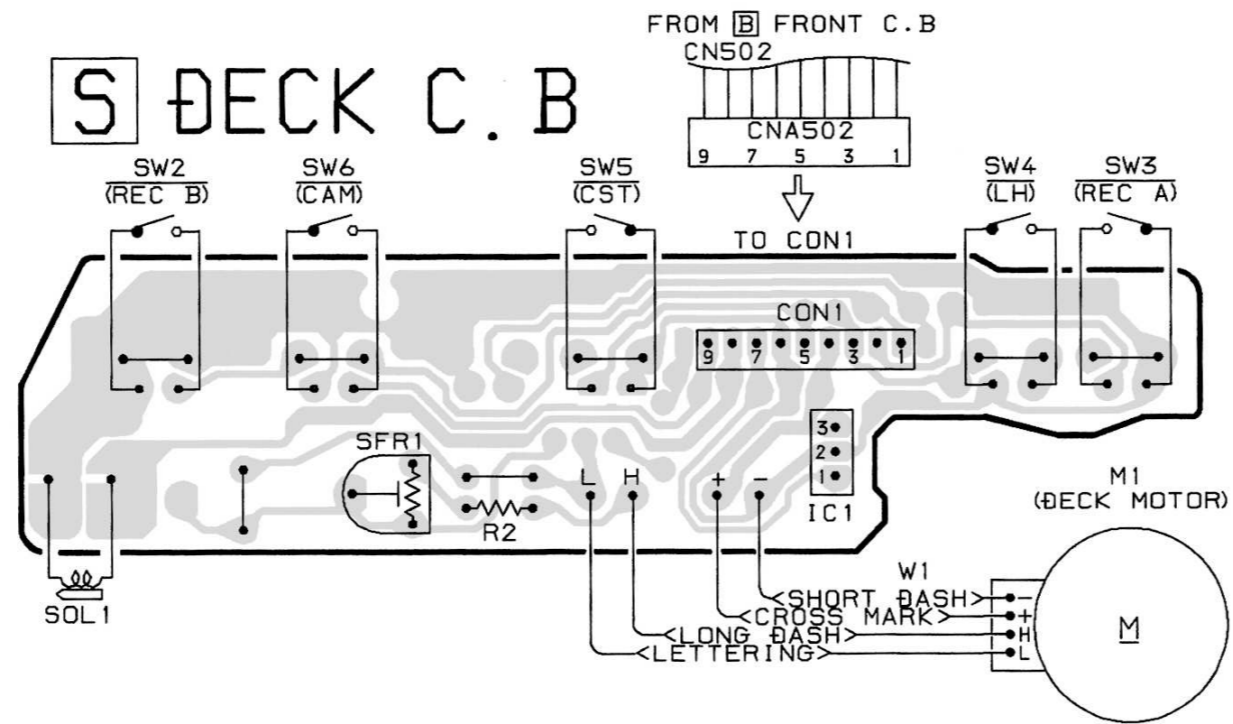






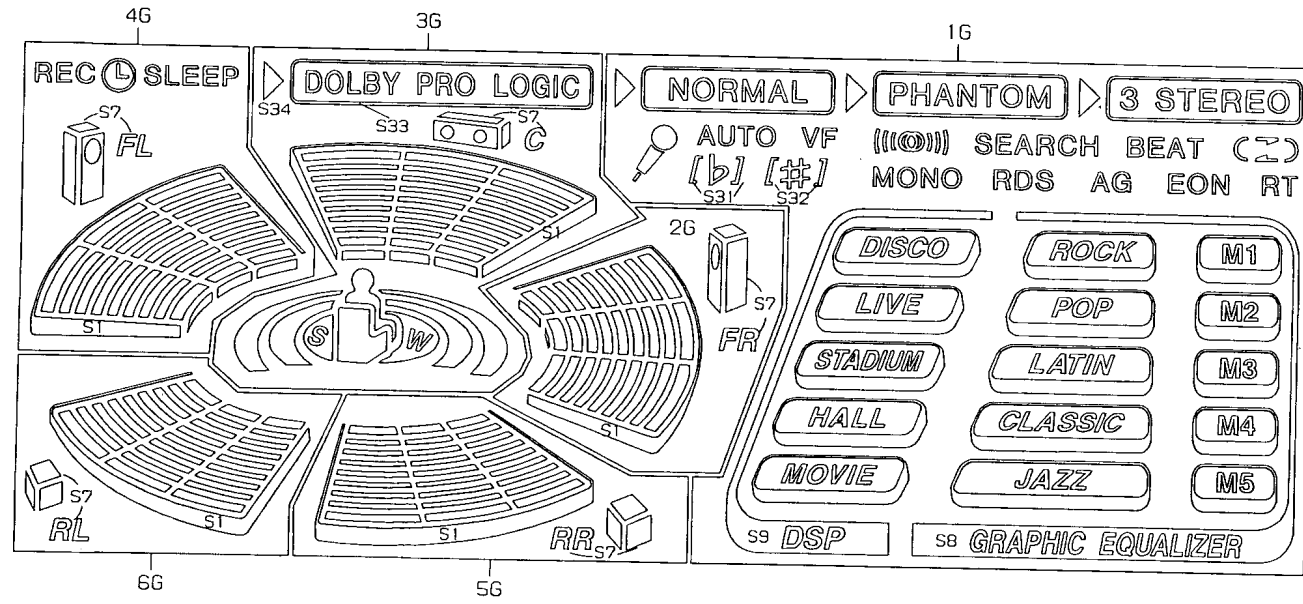
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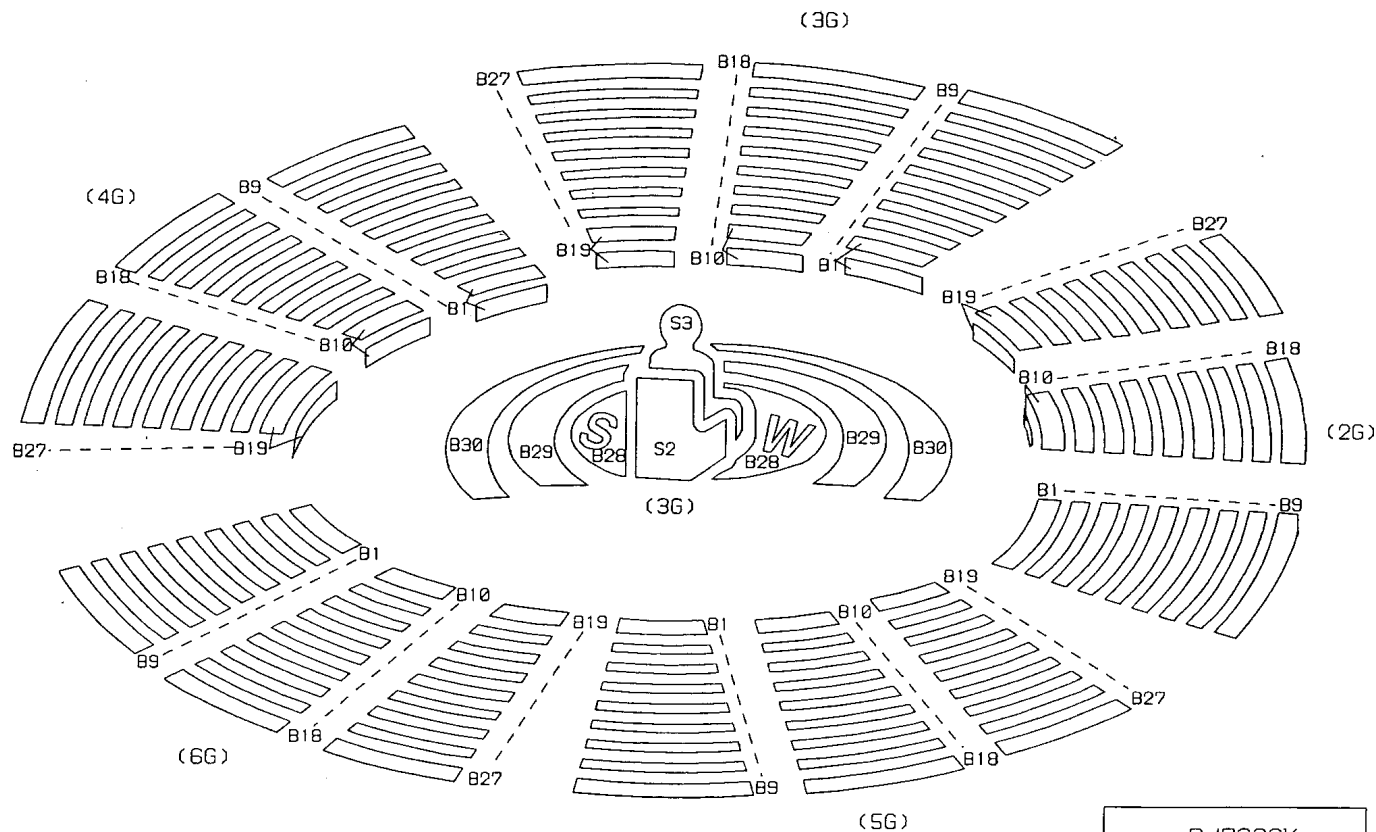
FL (BJ733GK) GRID ASSIGNMENT / ANODE CONNECTION PIN CONNECTION

GRID ASSIGNMENT



BJ733GK
GRID ASSIGNMENT

SEGMENT DESIGNATION



BJ733GK
SEGMENT DESIGNATION

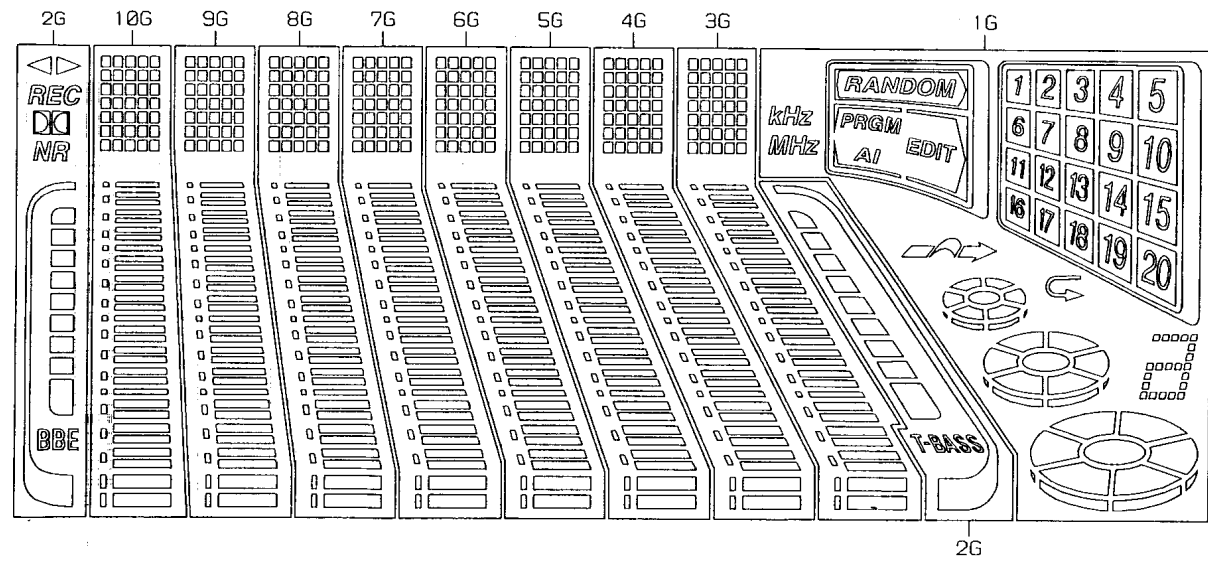
ANODE CONNECTION

	6G	5G	4G	3G	2G	1G
P1	-	-	-	S2	-	S8
P2	-	-	-	S3	-	S4
P3	-	-	-	B28	-	S10
P4	-	-	-	B29	-	S11
P5	-	-	-	B30	-	S12
P6	B1	B1	B1	B1	B1	S13
P7	B10	B10	B10	B10	B10	S14
P8	B19	B19	B19	B19	B19	S5
P9	B2	B2	B2	B2	B2	S15
P10	B11	B11	B11	B11	B11	S16
P11	B20	B20	B20	B20	B20	S17
P12	B3	B3	B3	B3	B3	S18
P13	B12	B12	B12	B12	B12	S19
P14	B21	B21	B21	B21	B21	S6
P15	B4	B4	B4	B4	B4	S20
P16	B13	B13	B13	B13	B13	S21
P17	B22	B22	B22	B22	B22	S22
P18	B5	B5	B5	B5	B5	S23
P19	B14	B14	B14	B14	B14	S24
P20	B23	B23	B23	B23	B23	S9
P21	B6	B6	B6	B6	B6	RT
P22	B15	B15	B15	B15	B15	EON
P23	B24	B24	B24	B24	B24	AG
P24	B7	B7	B7	B7	B7	RDS
P25	B16	B16	B16	B16	B16	MONO
P26	B25	B25	B25	B25	B25	BEAT
P27	B8	B8	B8	B8	B8	SEARCH
P28	B17	B17	B17	B17	B17	?
P29	B26	B26	B26	B26	B26	?
P30	B9	B9	B9	B9	B9	?
P31	B18	B18	B18	B18	B18	()
P32	B27	B27	B27	B27	B27	PHANTOM
P33	S1	S1	S1	S1	S1	S25
P34	S7	S7	S7	S7	S7	S26
P35	-	-	SLEEP	DOLBY PRO LOGIC	-	NORMAL
P36	-	-	REC	S33	-	S27
P37	-	-	-	S34	-	S28
P38	-	-	-	-	-	3 STEREO
P39	-	-	-	-	-	S29
P40	-	-	-	-	-	S30
P41	-	-	-	-	-	b #
P42	-	-	-	-	-	S31
P43	-	-	-	-	-	S32
P44	-	-	-	-	-	VF
P45	-	-	-	-	-	AUTO
P46	-	-	-	-	-	?

BJ733GK
ANODE CONNECTION

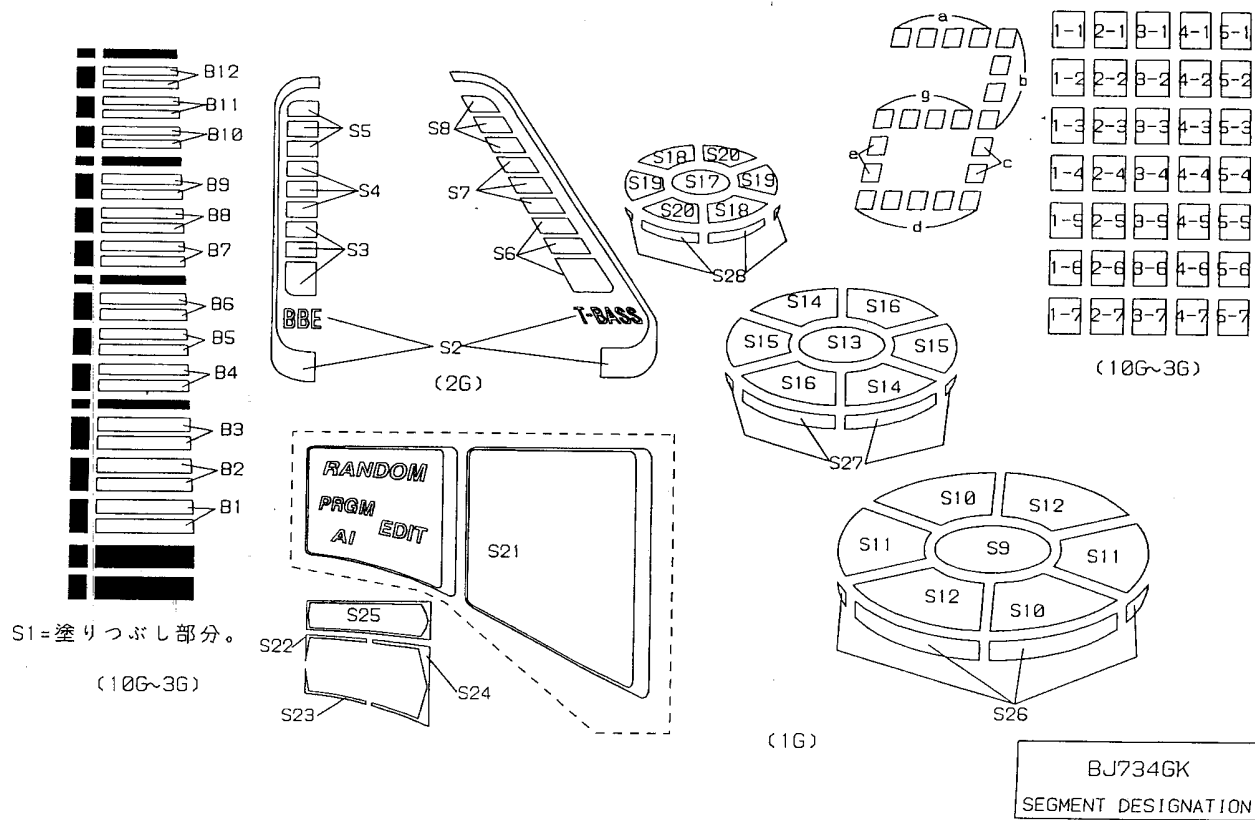
FL (BJ734GK) GRID ASSIGNMENT / ANODE CONNECTION PIN CONNECTION

GRID ASSIGNMENT



BJ734GK
GRID ASSIGNMENT

SEGMENT DESIGNATION



BJ734GK
SEGMENT DESIGNATION

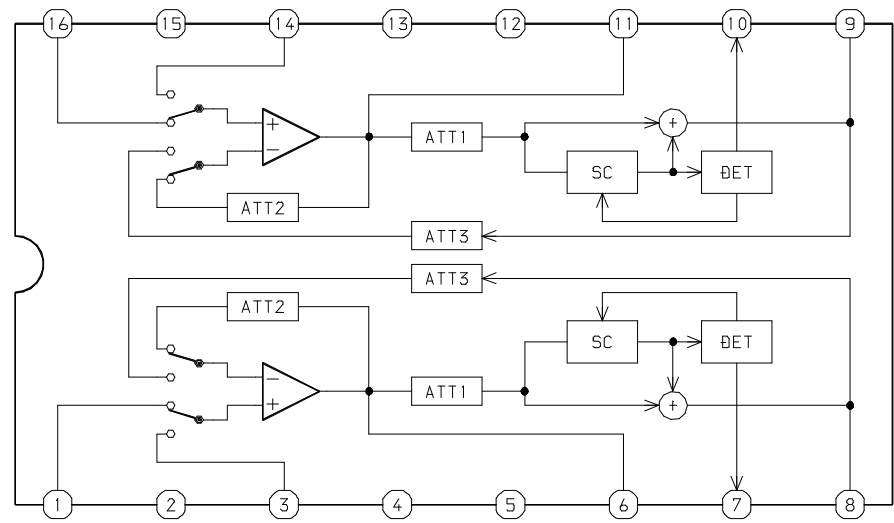
ANODE CONNECTION

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	S1	S1	S1	S1	S1	S1	S1	S1	S2	S21
P2	B1	B1	B1	B1	B1	B1	B1	B1	S3	a, g, d
P3	B2	B2	B2	B2	B2	B2	B2	B2	S4	e
P4	B3	B3	B3	B3	B3	B3	B3	B3	S5	c
P5	B4	B4	B4	B4	B4	B4	B4	B4	-	b
P6	B5	B5	B5	B5	B5	B5	B5	B5	-	S26
P7	B6	B6	B6	B6	B6	B6	B6	B6	-	S9
P8	B7	B7	B7	B7	B7	B7	B7	B7	-	S10
P9	B8	B8	B8	B8	B8	B8	B8	B8	-	S11
P10	B9	B9	B9	B9	B9	B9	B9	B9	-	S12
P11	B10	B10	B10	B10	B10	B10	B10	B10	S6	S27
P12	B11	B11	B11	B11	B11	B11	B11	B11	S7	S13
P13	B12	B12	B12	B12	B12	B12	B12	B12	S8	S14
P14	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	NR	S15
P15	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	NR	S16
P16	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	REC	S28
P17	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	Δ	S17
P18	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	▽	S18
P19	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	-	S19
P20	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	-	S20
P21	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	-	↻
P22	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	-	↻
P23	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	-	5
P24	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	-	10
P25	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	-	15
P26	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	-	20
P27	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	-	25
P28	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	-	30
P29	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	-	35
P30	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	-	40
P31	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	-	45
P32	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	-	50
P33	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	-	55
P34	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	-	60
P35	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	-	65
P36	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	-	70
P37	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	-	75
P38	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	-	80
P39	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	-	85
P40	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	-	90
P41	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	-	95
P42	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	-	100
P43	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	-	S25
P44	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	-	S22
P45	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	-	S24
P46	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	-	S23
P47	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	-	kHz
P48	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	-	MHz

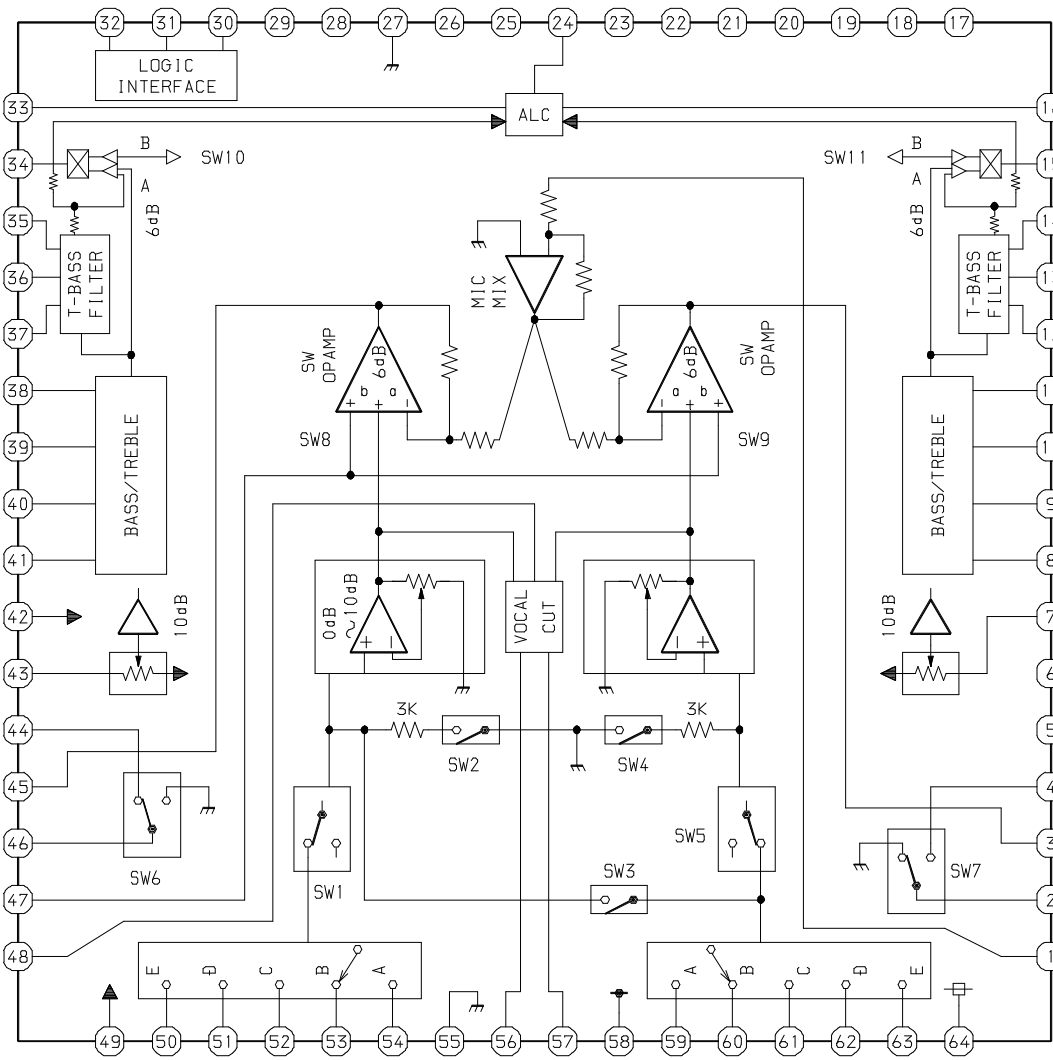
BJ734GK
ANODE CONNECTION

IC BLOCK DIAGRAM

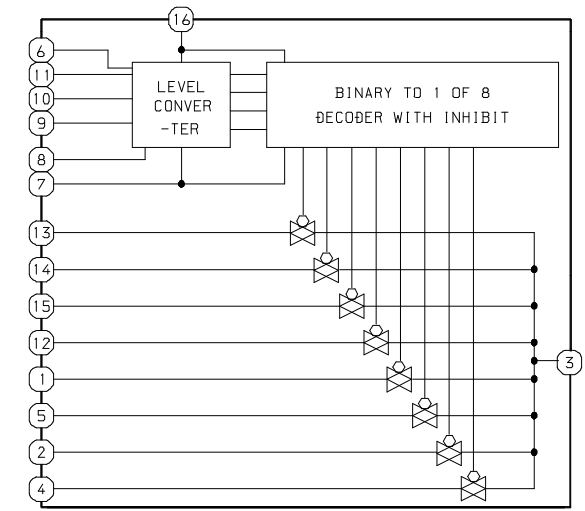
IC, CXA1553P



IC, M62445AFP



IC, HD74HC4051FP

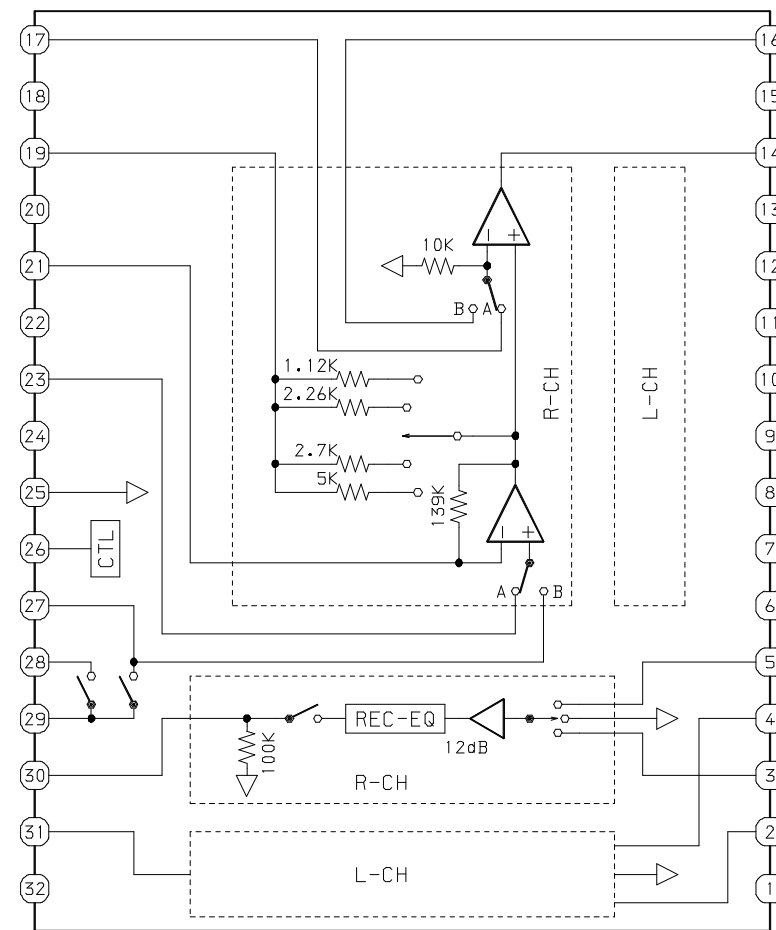


FUNCTION TABLE

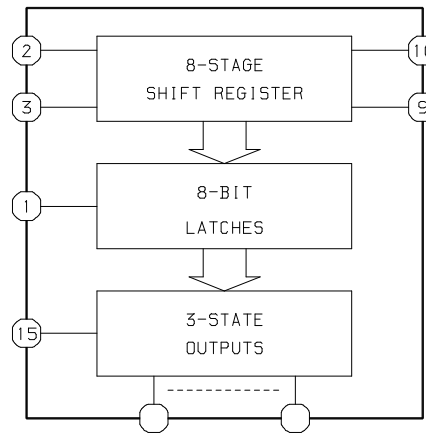
INHIBIT	CONTROL INPUTS			ON SWITCH
	C	B	A	
L	L	L	L	X0
L	L	L	H	X1
L	L	H	L	X2
L	L	H	H	X3
L	H	L	L	X4
L	H	L	H	X5
L	H	H	L	X6
L	H	H	H	X7
H	X	X	X	—

H:HIGH VOLTAGE LEVEL
L:LOW VOLTAGE LEVEL
X:IMMATERIAL

IC, BA7762AFS



IC, BU4094BCF

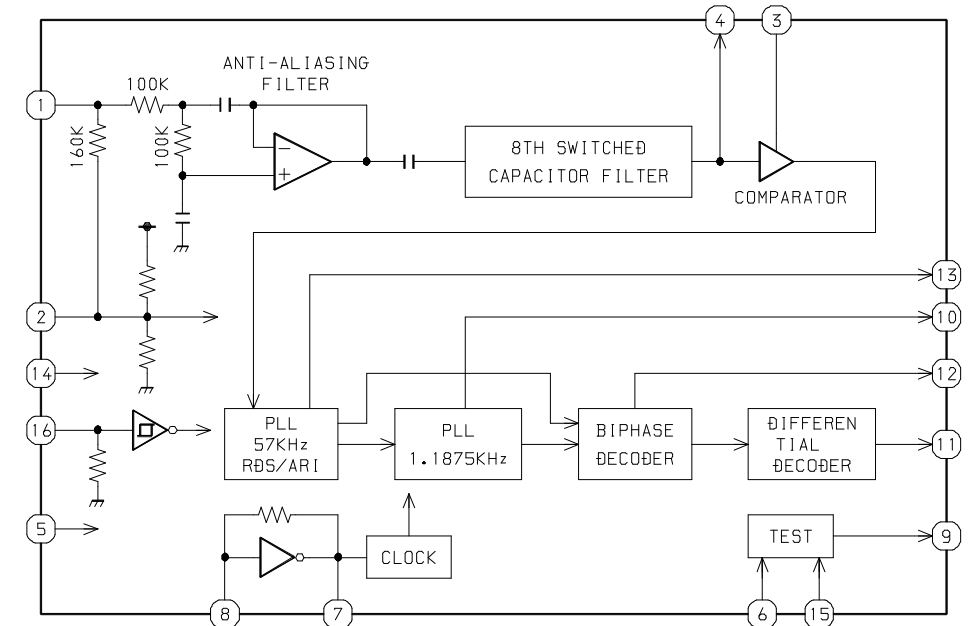


TRUTH TABLE

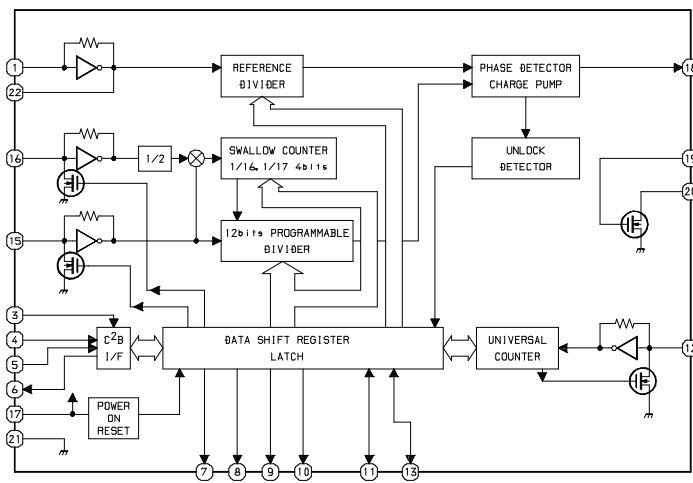
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	QS	Q'S
\downarrow	L	x	x	Z	Z	Q7	NO CHG.
\downarrow	L	x	x	Z	Z	NO CHG.	QS
\downarrow	H	L	x	NO CHG.	NO CHG.	Q7	NO CHG.
\downarrow	H	H	L	L	Qn-1	Q7	NO CHG.
\downarrow	H	H	H	H	Qn-1	Q7	NO CHG.
\downarrow	H	x	x	NO CHG.	NO CHG.	NO CHG.	QS

Z = HIGH IMPEDANCE
x = DON'T CARE

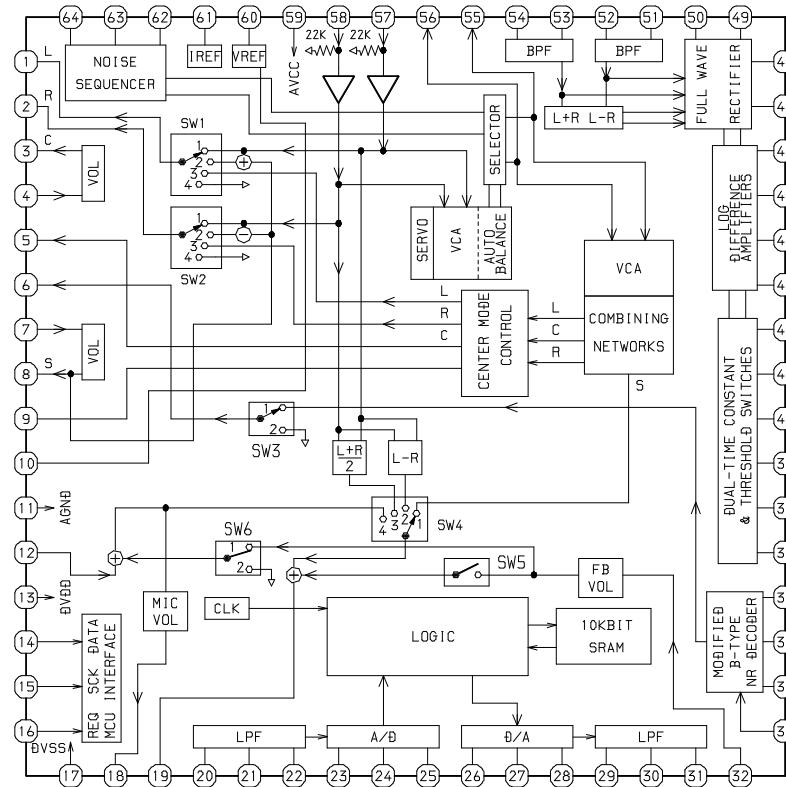
IC, BU1920FS



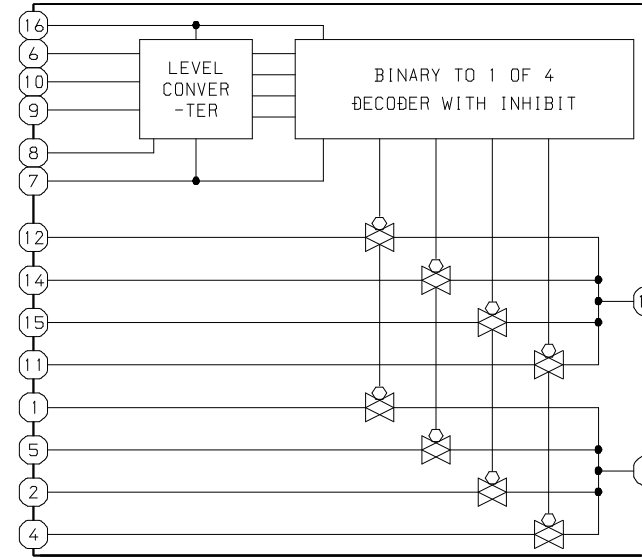
IC, LC72131D



IC, M62463AFP



IC, BU4052BCF

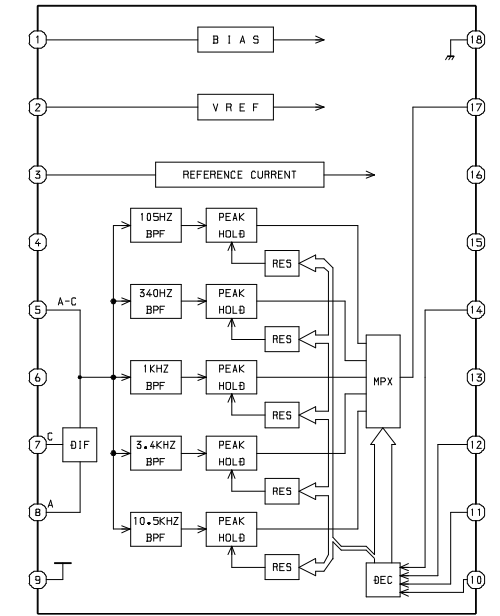


TRUTH TABLE

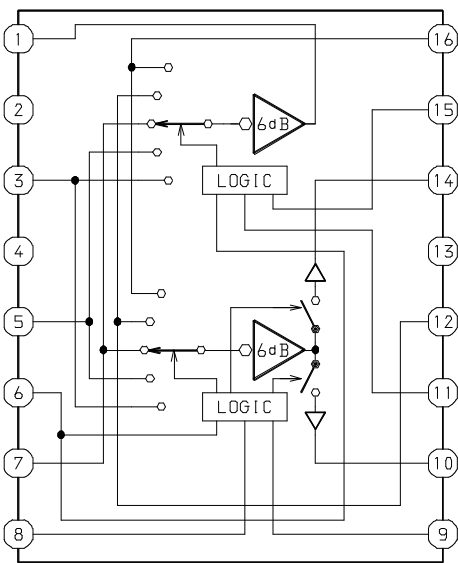
INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE

X : DON'T CARE

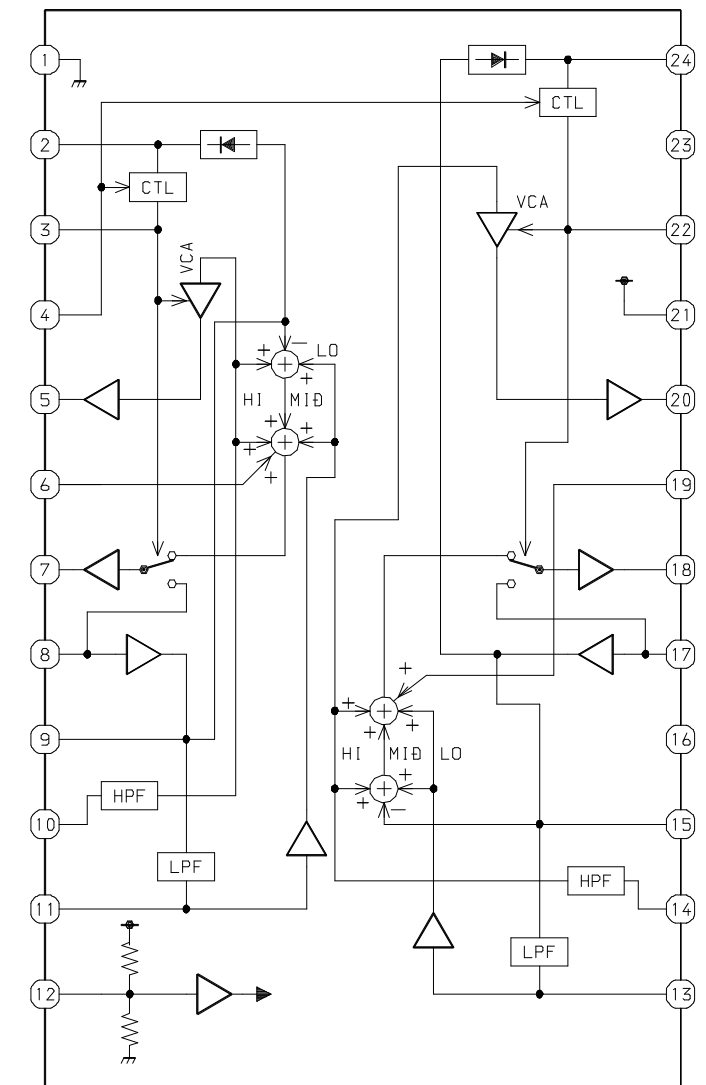
BA3835F



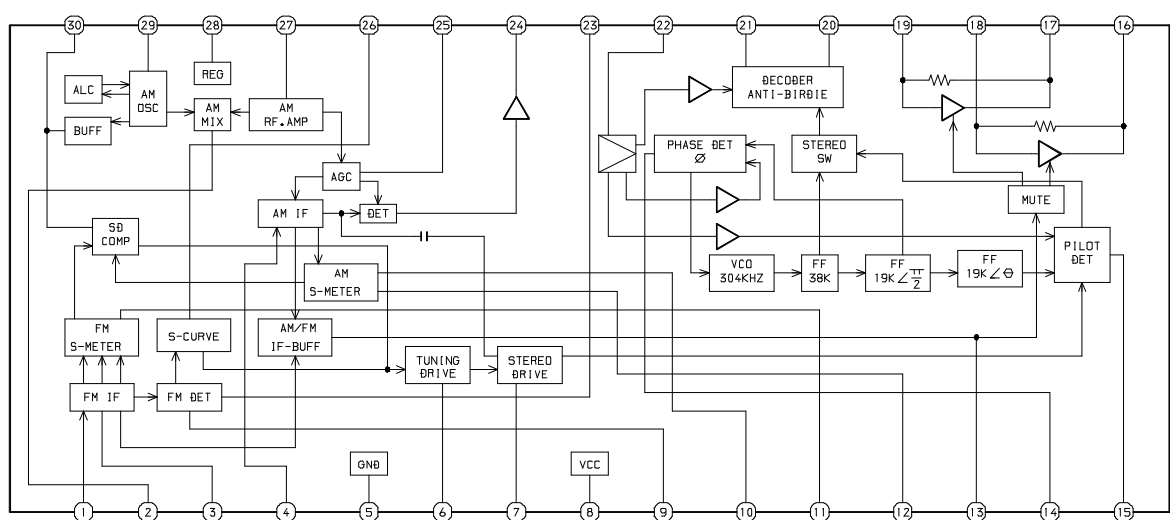
IC, BA7625



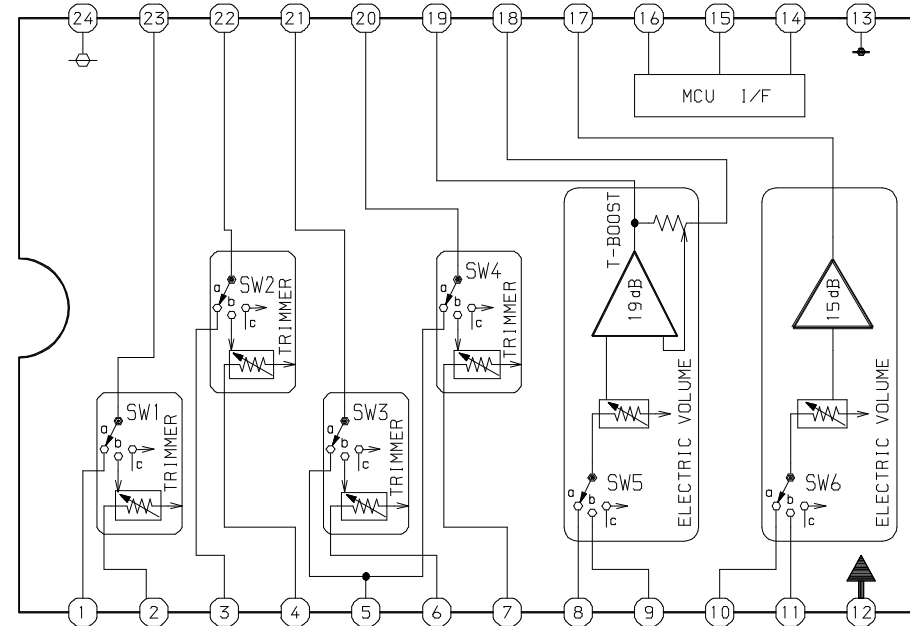
IC, BA3880FS



IC, LA1837NL



IC, M62491FP



IC DESCRIPTION

IC, LC87F65C8A

Pin No.	Pin Name	I/O	Description
1	CLK	O	Clock output for MAIN, FRONT IC.
2	DATA	O	Data output for MAIN, FRONT IC.
3	STB(M)	O	Strobe output for MAIN's IC.
4	SR-STB	O	Strobe output for video switch controller.
5	STB(FRONT)	O	Strobe output for FRONT LED controller.
6	RYM-CS / I-RDS-DATA	I	Rhythm IC's chip select / RDS data input.
7	PLL-CE	O	PLL chip enable output.
8	$\overline{\text{I-HP-MUTE}}$	I	Headphone input detect.
9	$\overline{\text{O-CLK-SHIFT}}$	O	Micon clock shift control.
10	I-MIC	I	Microphone input detect.
11	$\overline{\text{RESET}}$	I	Micon reset.
12	I-DISH	I	CD dish position input.
13	I-LVL-METER	I	Level meter (surround status) input.
14	VSS1	–	GND.
15	CF1	I	Micon clock (9.43MHz) input.
16	CF2	O	Micon clock (9.43MHz) output.
17	VDD1	–	5V supply.
18	$\overline{\text{I-HOLD}}$	I	AC detect and abnormal condition detect.
19	I-KEY1	I	AD key input 1.
20	I-KEY2	I	AD key input 2.
21	I-KEY3	I	AD key input 3.
22	I-CDSW	I	CD tray position detect.
23	I-RTVR	I	Rotary encoder volume input.
24	I-JOG	I	Rotary encoder jog dial input.
25	I-TU-SIG / $\overline{\text{I-MS}}$	I	Tuner signal indicator input / MS detect.
26	I-SPEANA	I	Spectrum analyzer level input.
27	I-TM-BASE	I	Time base input for clock.
28	I-WRQ / RDS-CLK	I	CD WRQ input / RDS clock input.
29	$\overline{\text{I-RMC}}$	I	Remote commander signal input.
30	O-GON	O	FL grid driver control.
31	O-GSEL	O	FL grid driver control.
32	O-GA	O	FL grid driver control.
33	O-GB	O	FL grid driver control.
34	O-GC	O	FL grid driver control.
35 ~ 45	P48 ~ P38	O	FL segment driver output.
46	VDD3	–	5V supply.
47	P37 / SPEANA-A	O/I	FL segment driver output / Spectrum analyzer input timing control-A.
48	P36 / SPEANA-B	O/I	FL segment driver output / Spectrum analyzer input timing control-B.
49	P35 / SPEANA-C	O/I	FL segment driver output / Spectrum analyzer input timing control-C.
50	P34 / LVL-A	O/I	FL segment driver output / Level meter input timing control-A.

Pin No.	Pin Name	I/O	Description
51	-VP	-	-30V supply.
52	P33 / LVL-B	O/I	FL segment driver output / Level meter input timing control-B.
53	P32 / LVL-C	O/I	FL segment driver output / Level meter input timing control-C.
54	P31 / RHYTHM	O/I	FL segment driver output / Initial select rhythm.
55	P30	O	FL segment driver output.
56	P29 / 9K	O/I	FL segment driver output / Initial select 9K (not used).
57	P28 / V	O/I	FL segment driver output / Initial select V model (not used).
58	P27 / RDS	O/I	FL segment driver output / Initial select RDS.
59	P26 / K-CON	O/I	FL segment driver output / Initial select key control (not used).
60	P25 / ECO-OFF	O/I	FL segment driver output / Initial select ECO mode off.
61 ~ 62	P24 ~ P23	O	FL segment driver output.
63	P22 / D-SW	O/I	FL segment driver output / Deck tray switch detect.
64	P21 / CST	O/I	FL segment driver output / Cassette detect.
65	P20 / REB	O/I	FL segment driver output / Record enable switch-B side detect.
66	P19 / CAM	O/I	FL segment driver output / Deck cam switch detect.
67	P18 / AUTO	O/I	FL segment driver output / Deck auto pulse detect.
68	P17 / REA	O/I	FL segment driver output / Record enable switch-A side detect.
69 ~ 71	P16 ~ P14	O	FL segment driver output.
72	VDD4	-	5V supply.
73 ~ 84	P13 ~ P2	O	FL segment driver output.
85	$\overline{\text{O-KSCAN}}$	O	Key scan driver control.
86	TRAY CLOSE	O	CD tray control close.
87	TRAY OPEN	O	CD tray control open.
88	DISH-FWD	O	CD dish control forward.
89	VSS2	-	GND.
90	VDD2	-	5V supply.
91	$\overline{\text{O-MOTOR}}$	O	Deck motor control.
92	$\overline{\text{SOL1}}$	O	Deck plunger control.
93	O-MUTE	O	System mute control.
94	O-POWER	O	System power control.
95	DISH-REV	O	CD dish control reverse.
96	O-CDCLK	O	Clock for CD.
97	I-STEREO / I-DRF	I	Stereo detect input / CD DRF input.
98	O-DATA	O	Data output for CD.
99	I-IFC / I-SUBQ	I	IF count input / CD SUB-Q input.
100	O-CDCE	O	CD chip enable output.

Pin No.	Pin Name	I/O	Description																								
1	XIN	I	A crystal oscillator (4.5MHz) is connected between these pins.																								
22	XOUT	O																									
2	NC	–	Not connected.																								
3	CE	I	To enable the IC. Active "H".																								
4	DI	I	Digital data input from CPU (LC87F65C8A) when relevant key is operated. Active "H".																								
5	CL	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC87F65C8A).																								
7	T-BASE	O	Outputs a reference clock signal (8Hz) for the clock.																								
8	$\overline{\text{MONO}} / \text{BEAT}$	O	Outputs "H" when MONO / BEAT is switched.																								
9	$\overline{\text{FM}} / \overline{\text{SW}}$	O	Output "L" or "H" as follows: <table border="1" style="margin-left: 20px;"> <thead> <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> </thead> <tbody> <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> </tbody> </table>	2 BAND		3 BAND			3 BAND			AM	FM	LW	MW	FM	MW	SW	FM	H	L	H	H	L	H	L	L
2 BAND		3 BAND			3 BAND																						
AM	FM	LW	MW	FM	MW	SW	FM																				
H	L	H	H	L	H	L	L																				
10	$\overline{\text{MW}} / \text{SW}$	O	Outputs "L" or "H" as follows: <table border="1" style="margin-left: 20px;"> <thead> <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> </thead> <tbody> <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> </tbody> </table>	2 BAND		3 BAND			3 BAND			AM	FM	LW	MW	FM	MW	SW	FM	L	L	H	L	L	L	H	L
2 BAND		3 BAND			3 BAND																						
AM	FM	LW	MW	FM	MW	SW	FM																				
L	L	H	L	L	L	H	L																				
11	IF-MUTE	O	To control internal counter.																								
12	IF-IN	I	General purpose counter input.																								
13	$\overline{\text{TUNE}}$	I	Receives "L" when station is tuned.																								
14	NC	–	Not connected.																								
15	AMIN	I	Receives the AM local oscillator frequency signal.																								
16	FMIN	I	Receives the FM local oscillator frequency signal.																								
17	VDD	–	Supply power to IC (+5V).																								
18	PD	O	PLL charge pump output.																								
19	AIN	I	The MOS transistor used for PLL active low pass filter.																								
20	AOUT	O																									
21	VSS	–	Ground.																								

ADJUSTMENT – 1 <DECK / FRONT>

< DECK SECTION >

1. Tape Speed Adjustment
Settings : • Test tape : TTA-100
• Test point : TP3 (Lch), TP4 (Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the test point becomes 3000Hz \pm 5Hz (FWD) and FWD SPEED \pm 45Hz (REV).
2. Head Azimuth Adjustment
Settings : • Test tape : TTA-330
• Test point : TP3 (Lch), TP4 (Rch)
• Adjustment location : Head azimuth adjustment screw
Method : Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD and REV PLAY mode.
3. PB Frequency Response Check
Settings : • Test tape : TTA-330
• Test point : TP3 (Lch), TP4 (Rch)
Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is 0dB \pm 3dB.
4. PB Sensitivity Adjustment
Settings : • Test tape : TTA-200
• Test point : TP3 (Lch), TP4 (Rch)
• Adjustment location : SFR303 (Lch)
SFR304 (Rch)
Method : Play back the 400Hz signal of the test tape and adjust SFRs so that the output level at TP3, TP4 is 245mV \pm 10 mV.
5. REC/PB Frequency Response Adjustment
Settings : • Test tape : TTA-602 (NORMAL)
• Test point : TP3 (Lch), TP4 (Rch)
• Input signal : 1kHz/10kHz (-20VU)
• Adjustment location : SFR351 (Lch)
SFR352 (Rch)
Method : Apply a 1kHz signal and REC mode.
Then adjust OSC attenuator so that the output level at the TP3, TP4 becomes 17mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output level of the 10kHz signal becomes 0dB \pm 0.5dB with respect to that of the 1kHz signal.
6. REC/PB Sensitivity Adjustment
Settings : • Test tape : TTA-602 (NORMAL)
• Test point : TP3 (Lch), TP4 (Rch)
• Input signal : 1kHz (0VU)
• Adjustment location : SFR305 (Lch)
SFR306 (Rch)
Method : Apply a 1kHz signal and REC mode.
Then adjust OSC attenuator so that the output level at the TP3, TP4 becomes 170mV. Record and play back the 1kHz signal and adjust SFRs so that the output level is 0dB \pm 0.5dB.

< FRONT SECTION >

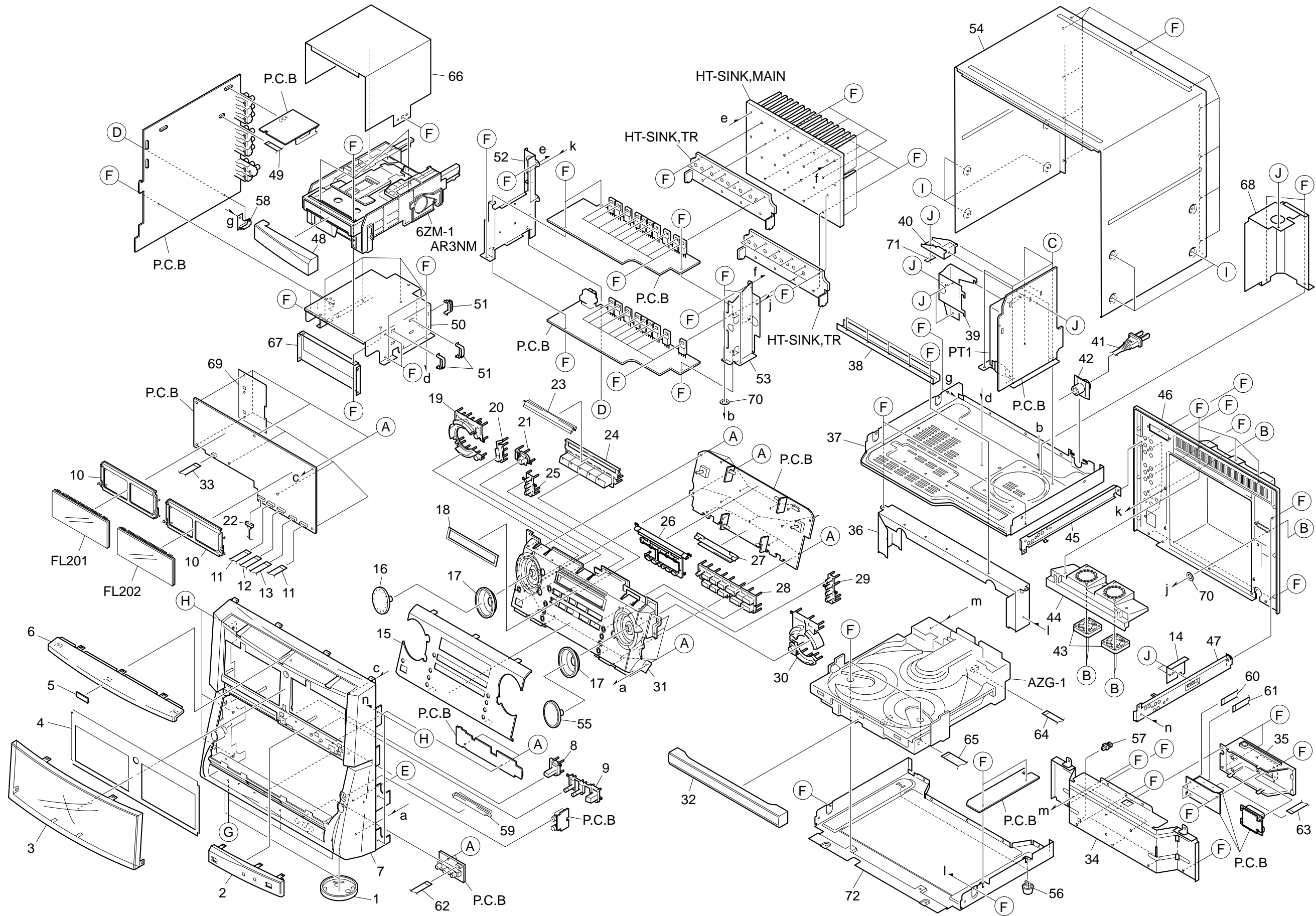
7. μ -con Clock Adjustment
Settings : • Test point : TP10 (K-SCAN)
TP11 (GND)
• Adjustment location : L101
Method : Insert AC plug while pressing the TUNER function key and POWER key.
Connect a frequency counter across TP10 and TP11.
Then adjust L101 so that the test point becomes 167.06Hz \pm 0.17Hz.

ADJUSTMENT – 2 <TUNER>

< TUNER SECTION >

1. Clock Frequency Check
Settings : • Test point : TP2 (CLK)
Method : Set to MW 1602kHz and check that the test point is 2052kHz \pm 45Hz.
2. MW VT Check
Settings : • Test point : TP1 (VT)
Method : Set to MW 1602kHz and check that the test point is less than 8.0V. Then set to MW 531kHz and check that the test point is more than 0.6V.
3. MW Tracking Adjustment
Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location : L981 (1/3)
Method : Set to MW 999kHz and adjust L981 (1/3) so that the test point becomes maximum.
4. LW VT Adjustment
Settings : • Test point : TP1 (VT)
• Adjustment location : L942
Method : Set to LW 144kHz and adjust L942 so that the test point becomes 1.3V \pm 0.05V.
Then set to LW 290kHz and check that the test point is less than 8.0V.
5. LW Tracking Adjustment
Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location :
L941 144kHz
TC942 290kHz
Method : Set up TC942 to center before adjustment.
The level at 144kHz is adjusted to MAX by L941. Then the level at 290kHz is adjusted to MAX by TC942.
6. AM IF Adjustment
Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location :
L772 450kHz
7. FM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to FM 108.0MHz and check that the test point is less than 8.0V. Then set to FM 87.5MHz and check that the test point is more than 0.5V.
8. FM Tracking Check
Settings : • Test point : TP8 (Lch), TP9 (Rch)
Method : Set to FM 98.0MHz and check that the test point is less than 13dB μ V.
9. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC balance)
• Adjustment location : L771
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V \pm 0.04V.
Next, check that the distortion is less than 1.3%.
10. Output Level Check
<MW>
Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Input level : 74dB μ V
Method : Set to MW 999kHz and check that the test point is 130mV \pm 3dB.

<FM>
Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and check that the test point is 520mV \pm 3dB.
11. FM Separation Check
Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and check that the test point is more than 12dB.



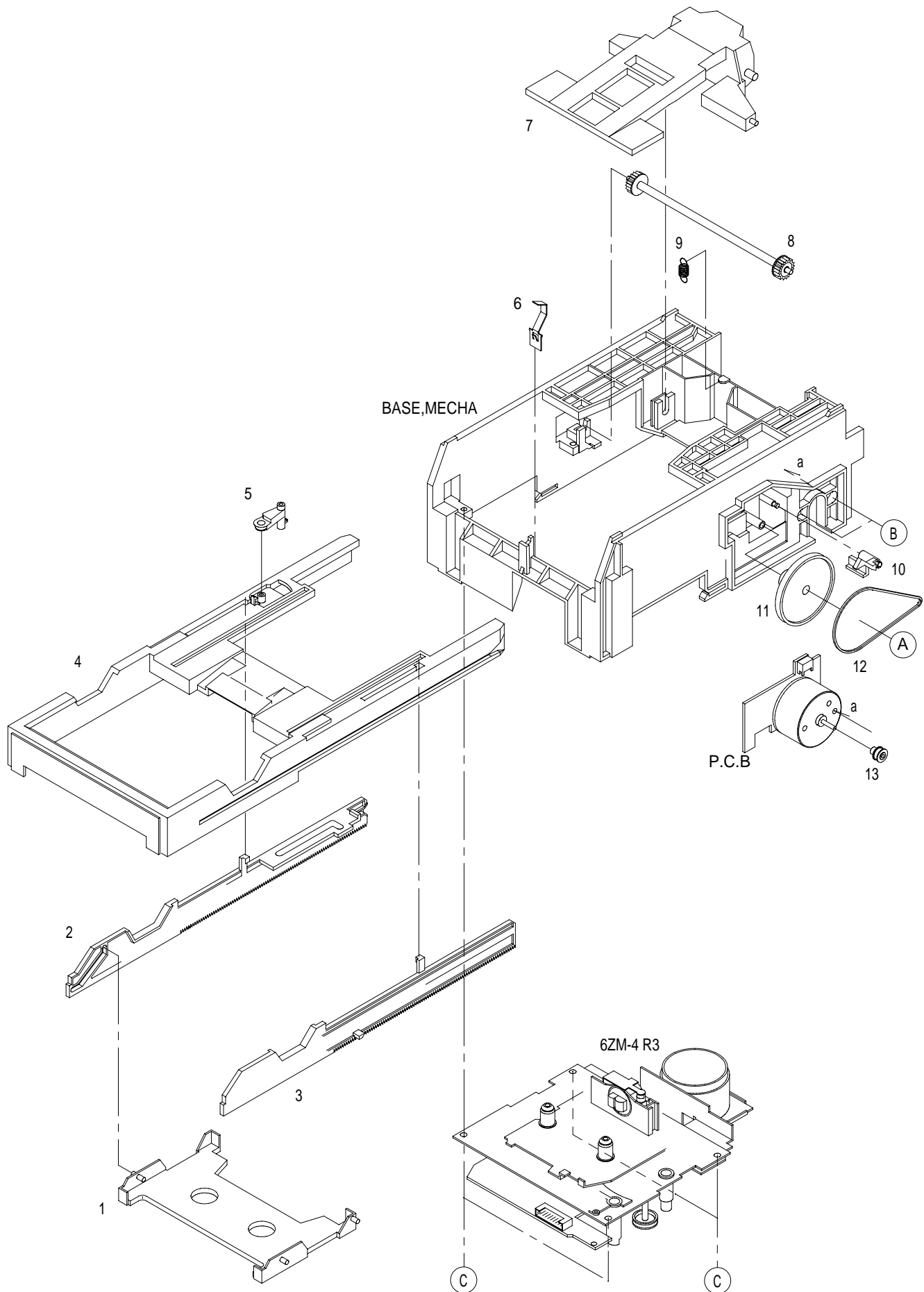
MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	88-NF3-090-010		RING, FOOT	46	8A-MTM-008-010		CABI, REAR EZ
2	8A-MTM-043-010		PANEL, DOLBY	47	8A-MTM-223-010		JOINT, CABI 2
3	8A-MTM-068-010		WINDOW, AMP (RDS)	48	8A-MTM-041-010		PANEL, TRAY DECK
4	8A-MTM-038-110		PLATE, FL	49	88-906-701-110		FF-CABLE, 6P 1.25 700MM
5	87-B00-002-010		BADGE, AIWA 30 ABS SIL	50	8A-MTM-204-010		HLDR, DECK
6	8A-MTM-042-010		PANEL, WINDOW	51	87-NF4-221-010		HLDR, CABLE
7	8A-MTM-001-010		CABI, FR	52	8A-MTM-207-010		HLDR, HT-SINK B
8	8A-MTM-011-010		KEY, OPEN	53	8A-MTM-206-010		HLDR, HT-SINK A
9	8A-MTM-010-010		KEY, DOLBY	54	8A-MTM-005-010		CABI, STEEL
10	8Z-NF3-210-010		GUIDE, FL	55	8A-MTM-031-010		KNOB, RTRY VOL
11	88-913-301-110		FF-CABLE, 13P-1.25	56	87-MA3-062-010		FOOT, H17
12	88-915-161-110		FF-CABLE, 15P 1.25	57	84-ZG1-245-210		CAP, OPTICAL
13	88-917-331-110		FF-CABLE, 17P 1.25 330MM	58	8A-MTM-205-010		HLDR, PWB MAIN
14	8A-MTM-227-010		COVER, PWB PT	59	8A-MTM-056-010		REFLECTOR, CD
15	8A-MTM-054-010		PANEL, FR 2(21 EZ)	60	88-915-751-110		FF-CABLE, 15P 1.25 750MM
16	8A-MTM-032-010		KNOB, RTRY JOG	61	88-905-281-110		FF-CABLE, 5P 1.25 280MM
17	8A-MTM-029-010		RING, VOL	62	88-905-201-110		FF-CABLE, 5P 1.25
18	8A-MTM-033-010		PLATE, FUN	63	88-914-121-110		FF-CABLE, 14P 1.25
19	8A-MTM-013-010		KEY, ENTER	64	88-906-231-110		FF-CABLE, 6P 1.25 230MM
20	8A-MTM-014-010		KEY, RHYTHM	65	88-913-221-110		FF-CABLE, 13P 1.25 220MM
21	8A-MTM-069-010		KEY, ASSY POWER	66	8A-MTM-224-010		PLATE, SHLD DECK
22	8A-MTM-645-110		CONN ASSY, 9P DECK-MECHA	67	8A-MTM-228-010		HLDR, DECK 2
23	8A-MTM-055-010		REFLECTOR, AMP	68	8A-MTM-225-010		PLATE, SHLD PT1
24	8A-MTM-070-010		KEY, ASSY FUN	69	8A-MTM-229-010		PLATE, SHLD PWB FL
25	8A-MTM-063-010		KEY, VF (3)	70	87-067-058-010		W-F 3.2-8-0.5 W/ADH
26	8A-MTM-212-010		GUIDE, PLAY	71	8A-MTM-231-010		PLATE PT
27	8A-MTM-214-110		GUIDE, REFLECTOR CD	72	8A-MTM-201-010		CHAS, 3CD
28	8A-MTM-072-010		KEY, ASSY PLAY U	A	87-078-060-010		BVIT3PB+3-10
29	8A-MTM-019-010		KEY, VF	B	87-067-822-010		BVT2+3-20 W/O SLOT
30	8A-MTM-020-010		KEY, BBE	C	87-078-191-010		S-SCREW, IT+4-10
31	8A-MTM-061-010		PANEL, FR (21 EZ)	D	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
32	8A-MTM-040-010		PANEL, TRAY CD	E	81-MK1-210-010		S-SCREW, VFT2+3-16
33	88-904-401-110		FF-CABLE, 4P 1.25	F	87-067-703-010		TAPPING SCREW, BVT2+3-10
34	8A-MTM-009-010		PANEL, REAR CD	G	87-067-689-010		TAPPING SCREW, BVTT+3-8
35	8A-MTM-065-010		HLDR, PIN JACK (EZ)	H	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
36	8A-MTM-208-010		HLDR, CHAS A	I	87-067-761-010		TAPPING SCREW, BVT2+3-10
37	8A-MTM-202-010		CHAS, MAIN	J	87-067-688-010		BVTT+3-6
38	8A-MTM-209-010		HLDR, CHAS B				
39	8A-MTM-220-010		HLDR, PWB PT-M				
40	8A-MTM-219-010		HLDR, PWB PT-S				
△ 41	8A-MTM-649-010		AC CORD ASSY, EKH BLK				
42	88-NF9-210-010		BUSHING, CORD-E				
43	87-A90-796-010		FAN, F614R-12MC-15-300MM				
44	8A-MTM-052-010		HLDR, FAN				
45	88-MA1-208-210		JOINT, CABI				

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	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink

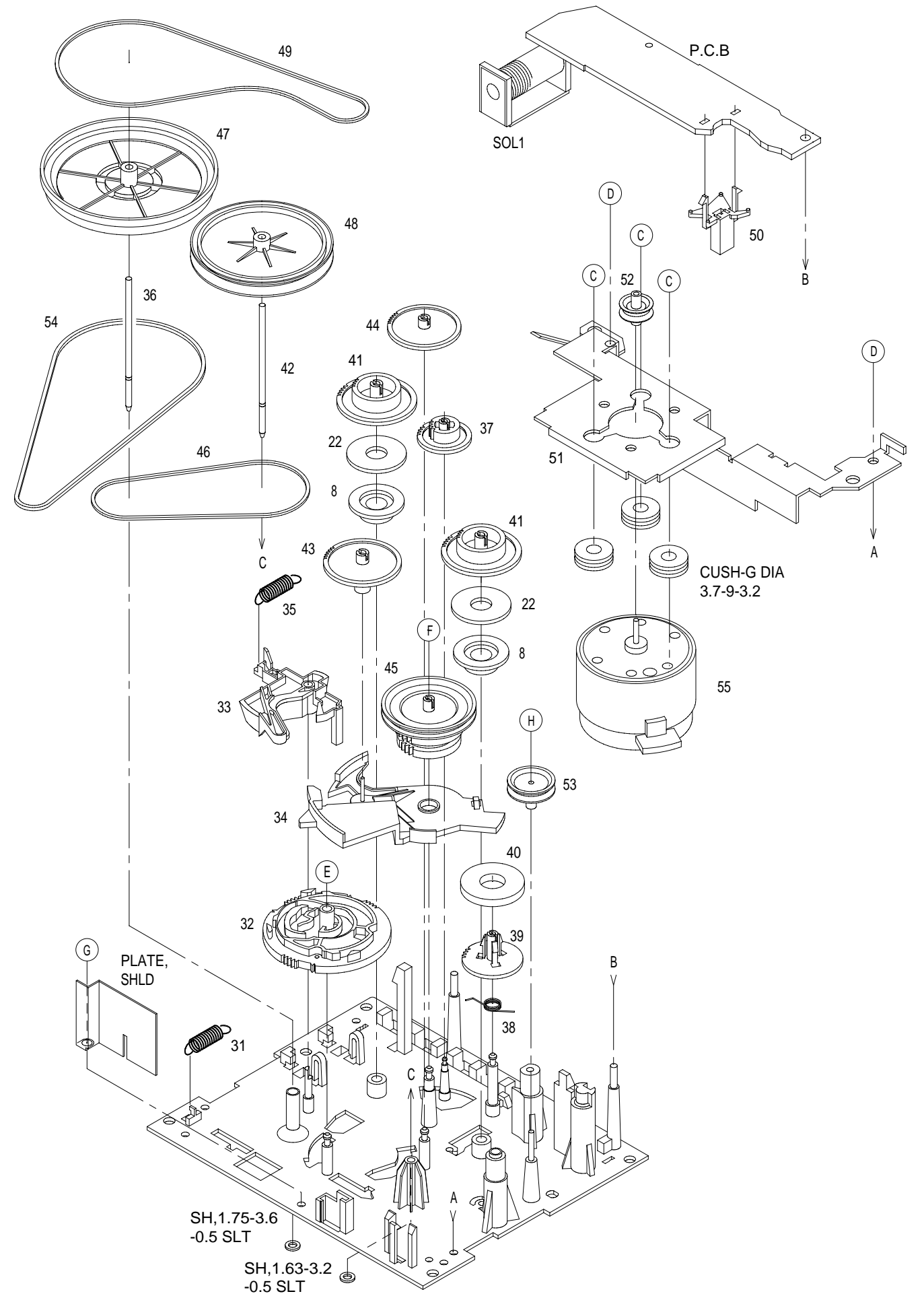
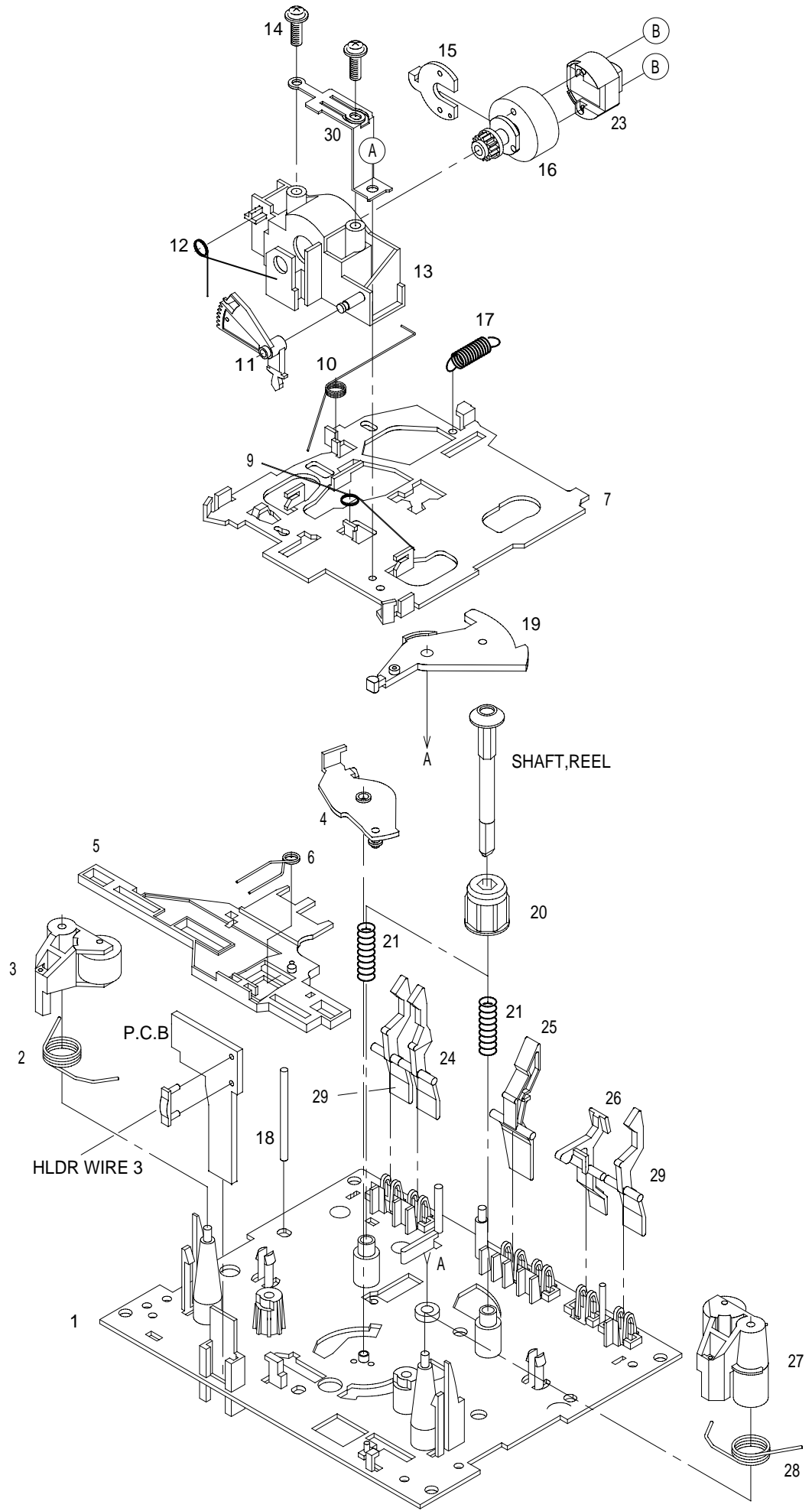
TAPE MECHANISM EXPLODED VIEW 1 / 2



TAPE MECHANISM PARTS LIST 1 / 2

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZL1-203-010		TRAY, CAS
2	86-ZL1-204-010		LEVER, SLIDE L
3	86-ZL1-205-010		LEVER, SLIDE R
4	86-ZL1-202-010		FRAME, CAS
5	86-ZL1-209-010		LEVER, LOCK
6	86-ZL1-214-010		SPR-P, CAS
7	86-ZL1-211-010		ARM, CLAMP
8	86-ZL1-206-010		GEAR, TRAY
9	86-ZL1-213-010		SPR-E, CLAMP
10	86-ZL1-208-010		LEVER, SW
11	86-ZL1-207-010		GEAR, PULLEY
12	86-ZL1-212-010		BELT, L
13	86-ZL1-210-010		PULLEY, MOT
A	83-ZG3-217-010		S-SCREW, GEAR D
B	87-251-072-410		U+2.6-5
C	87-067-660-010		BVT2+3-8 W/0 SLOT BLK

TAPE MECHANISM EXPLODED VIEW 2 / 2



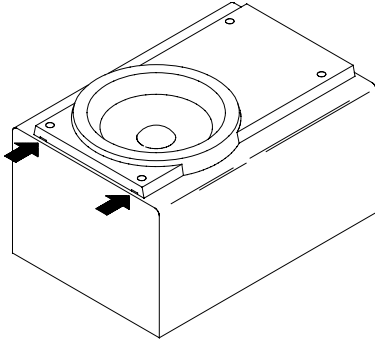
TAPE MECHANISM PARTS LIST 2 / 2

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM1-218-010		CHAS ASSY,R	36	82-ZM1-239-010		CAPSTAN,2.2-41.7
2	82-ZM1-258-110		SPR-T,PINCH L	37	82-ZM1-223-010		GEAR,PLAY
3	86-ZM4-202-019		LVR ASSY,PINCH L3	38	82-ZM1-322-010		SPR-T,FR 60
4	82-ZM1-333-010		PLATE,LINK2	39	82-ZM1-220-210		GEAR,IDLER
5	82-ZM1-266-110		LVR,DIR	40	82-ZM1-316-010		RING,MAGNET 3
6	82-ZM1-214-010		SPR-T,DIR	41	82-ZM1-216-310		GEAR,REEL
7	82-ZM1-206-910		CHAS,HEAD	42	82-ZM1-236-010		CAPSTAN,2-41.5
8	86-ZM1-219-010		CLR,REEL SLIP	43	82-ZM1-225-210		GEAR,FR
9	82-ZM1-269-210		SPR-T,BRG	44	82-ZM1-226-010		GEAR,REW
10	82-ZM3-323-010		SPR-T,LINK 3	45	82-ZM3-333-210		SLIP DISK ASSY 2
11	82-ZM1-210-110		GEAR,H T	46	82-ZM1-338-110		BELT,FR 4
12	82-ZM1-213-010		SPR-T,HEAD	47	86-ZM1-216-210		FLY-WHL,R L
13	82-ZM1-207-710		GUIDE,TAPE	48	82-ZM3-330-010		FLY-WHL,L2 W
14	82-ZM1-283-310		S-SCREW,AZIMUTH	49	86-ZM1-206-010		BELT,MAIN L
15	82-ZM1-314-110		PLATE,HEAD	50	82-ZM1-245-210		HLDL,IC
16	82-ZM1-208-310		HLDL,HEAD	51	86-ZM1-215-010		HLDL,MOT L
17	82-ZM1-218-010		SPR-E,HB	52	82-ZM1-247-210		PULLEY,MOTOR
18	82-ZM3-327-010		SHAFT,COUPLER N2	53	82-ZM3-335-010		PULLEY,COUPLER M3
19	82-ZM1-222-210		LVR,PLAY	54	86-ZM1-217-010		BELT,MOT
20	86-ZM1-203-010		CAP,REEL	55	87-A90-343-010		MOT,SHU2R 70
21	86-ZM1-221-010		SPR-C,BT 2L	A	82-ZM1-315-010		S-SCREW GUIDE TAPE
22	86-ZM1-220-010		FELT,DIA 5.3-14-0.8	B	80-ZM6-207-010		V+1.6-7
23	87-046-399-110		HEAD,RPH YK56R-BS409	C	82-ZM3-318-110		S-SCREW MOTOR M2
24	82-ZM1-241-310		LVR,MC	D	87-067-178-010		VTT+2.6-3
25	82-ZM1-242-010		LVR,CAS	E	87-B10-008-010		W-P,2.08-8-0.4 SLIT
26	82-ZM1-243-010		LVR,STOP	F	82-ZM3-334-010		PW,2.16-6-0.4
27	86-ZM4-204-019		LVR ASSY,PINCH R3	G	87-571-032-410		VIT+2-3
28	82-ZM1-259-110		SPR-T,PINCH R	H	87-B10-043-010		W-P,0.99-4-0.25 SLT
29	82-ZM1-240-110		LVR,REC				
30	82-ZM1-298-010		SPR-P EARTH				
31	82-ZM1-255-310		SPR-E,LVR DIR				
32	82-ZM1-221-110		GEAR,CAM				
33	82-ZM1-227-210		LVR,TRIG				
34	82-ZM1-224-410		LVR,FR				
35	86-ZM4-201-010		SPR-E,TRIG 3				

SPEAKER DISASSEMBLY INSTRUCTIONS

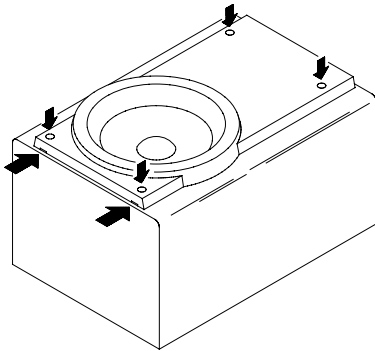
Type.1

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.



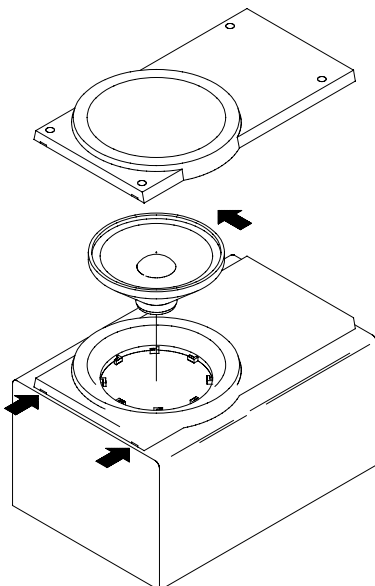
Type.2

Remove the grill frame and four pieces of rubber caps by pulling 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.

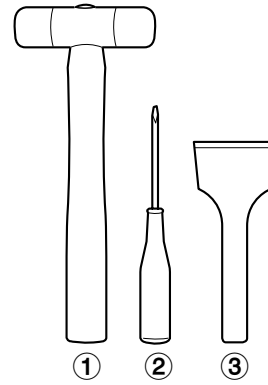


Type.3

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 (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) 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.

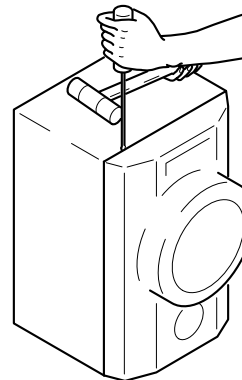


Fig-1

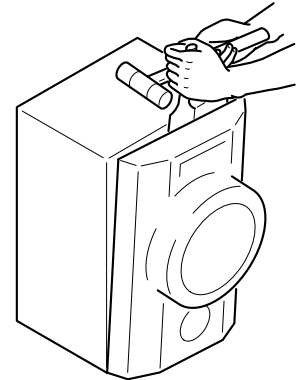


Fig-2

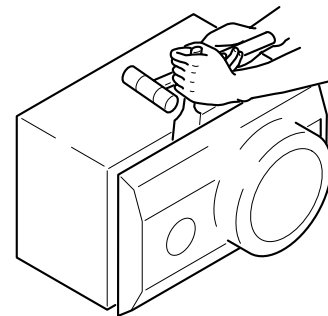


Fig-3

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 (SX-WA1000) <YSL>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-MS1-001-010		PANEL, FR
2	8A-MS1-004-010		PANEL, TW
3	8A-MS1-005-010		PANEL, DUCT
4	8A-MS1-006-010		GRILLE, FRAME ASSY
5	8A-MS1-602-010		SPKR, W 200
6	8A-MS1-603-010		SPKR, W 160
7	88-NS5-605-110		SPKR, T 60
8	88-MS1-608-010		SPKR, CERAMIC
9	88-NS5-611-010		CORD, SPKR B/L
10	88-MS1-610-010		CORD, SPKR

SPEAKER PARTS LIST (SX-CR1800) <YSC>

NOTE: This SX-CR1800 Speaker contains SX-C1800 (Center Speaker) and SX-R1800 (Rear Speaker)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-AS4-602-010		SPKR, 100<C1800>
1	8A-AS5-601-010		SPKR, 100<R1800>
2	8A-AS4-005-010		TERMINAL, ASSY<C1800>
2	8A-AS5-005-010		TERMINAL, ASSY<R1800>
3	8A-AS4-001-010		GRILLE, FRAME ASSY<C1800>
3	8A-AS5-001-010		GRILLE, FRAME ASSY<R1800>

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-MTM-905-010		IB, K (E) M<K>
1	8A-MTM-906-010		IB, EZ (9L) M<EZ>
2	87-043-106-010		ANT, FM 1007AWG
3	87-A90-030-010		ANT, LOOP AM-NC C
4	8A-MTM-701-010		RC UNIT, RC-AAS01

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