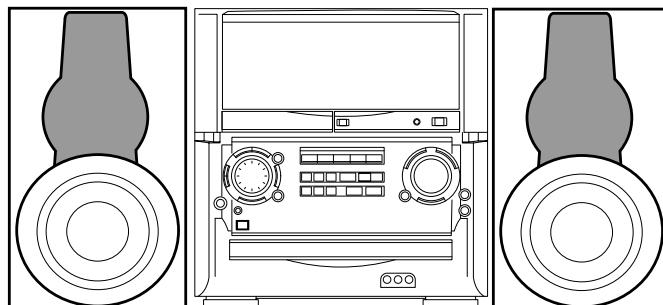




XH-N5 LH



SERVICE MANUAL

COMPACT DISC STEREO
SYSTEM

BASIC TAPE MECHANISM : 6ZM-1 AR3NM
BASIC CD MECHANISM : AZG-1 ZD8RNDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
XH-N5	CX-AN5	SX-WAN5	RC-AAS02

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual", (S/M Code No. 09-99C-424-7T1).
- If requiring information about the CD mechanism, see Service Manual of AZG-1, (S/M Code No. 09-001-335-3N6).

aiwa
S/M Code No. 09-003-424-7R1

REVISION
DATA

TABLE OF CONTENTS

SPECIFICATIONS	3
PROTECTION OF EYES FROM LASER BEAM DURING SERVICING	4
NOTE ON BEFORE STARTING REPAIR	5 ~ 6
DISASSEMBLY INSTRUCTIONS	7 ~ 8
ELECTRICAL MAIN PARTS LIST	9 ~ 13
CHIP RESISTOR PART CODE	14
TRANSISTOR ILLUSTRATION	14
FL (BJ741GK) GRID ASSIGNMENT / ANODE CONNECTION	15 ~ 16
WIRING – 1 (MAIN)	17
SCHEMATIC DIAGRAM – 1 (MAIN 1 / 2 : FUNCTION / DSP / ECHO / CONNECT1 / 3).....	18
SCHEMATIC DIAGRAM – 2 (MAIN 2 / 2 : DECK)	19
WIRING – 2 (FRONT / CONNECT)	20
SCHEMATIC DIAGRAM – 3 (FRONT / CONNECT2 / 3 / DECK / DECK MOTOR)	21
WIRING – 3 (OPERATE / KEY / MIC / LED-A ~ D)	22
SCHEMATIC DIAGRAM – 4 (OPERATE / KEY / MIC / LED-A ~ D)	23
WIRING – 4 (AMP)	24
SCHEMATIC DIAGRAM – 5 (AMP)	25
WIRING – 5 (VIDEO I/O / VIDEO JACK / VIDEO-3)	26
SCHEMATIC DIAGRAM – 6 (VIDEO I/O / VIDEO JACK / VIDEO-3 / CONNECT3 / 3)	27
WIRING – 6 (TUNER)	28
SCHEMATIC DIAGRAM – 7 (TUNER)	29
WIRING – 7 (PT)	30
SCHEMATIC DIAGRAM – 8 (PT)	31
WIRING – 8 (DECK / DECK MOTOR / HEAD)	32
IC BLOCK DIAGRAM	33 ~ 38
IC DESCRIPTION	39 ~ 40
ADJUSTMENT – <DECK / FRONT / TUNER>	41 ~ 43
MECHANICAL EXPLODED VIEW 1 / 1	44
MECHANICAL PARTS LIST 1 / 1	45
TAPE MECHANISM EXPLODED VIEW 1 / 2 <6ZL-1 A1>	46
TAPE MECHANISM PARTS LIST 1 / 2 <6ZL-1 A1>	47
TAPE MECHANISM EXPLODED VIEW 2 / 2 <6ZM-4 R3>	48
TAPE MECHANISM PARTS LIST 2 / 2 <6ZM-4 R3>	49
SPEAKER DISASSEMBLY INSTRUCTIONS	50
SPEAKER PARTS LIST	51
ACCESSORIES / PACKAGE LIST	52

SPECIFICATIONS

Main unit CX-AN5

<FM tuner section>

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

<AM (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

<Amplifier section>

Mid-high frequency amplifier

Power output Front	Rated : 60 W + 60 W (8 ohms, T.H.D. 1 %, 1 kHz) Reference : 80 W + 80 W (8 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.15 % (40W, 1 kHz, 8 ohms, DIN AUDIO/Front)

Low frequency amplifier

Power output	Rated : 200 W + 200 W (6 ohms, T.H.D. 1 %, 80 Hz) Reference : 240 W + 240 W (6 ohms, T.H.D. 10 %, 80 Hz)
Total harmonic distortion	0.15 % (100W, 80 Hz, 6 ohms, DIN AUDIO/Front)
Inputs	AUX: 310 mV PHONO: 400 mV VIDEO1, VIDEO2, VIDEO3: 310mV
Outputs	MIC 1, MIC 2: 1.5mV (20 K ohms) CD DIGITAL OUT (OPTICAL) SPEAKERS: LOW: 6 ohms HIGH: 8 ohms SURROUND SPEAKERS: accept speakers of 8 - 16 ohms PHONES (stereo jack): accepts headphones of 32 ohms or more

<Cassette deck section>

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

<Compact disc player section>

Laser	Semiconductor laser ($\lambda = 780$ 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	120V/220 – 230V/240V AC switchable, 50/60 Hz
Power consumption	260 W
Dimensions of main unit (W x H x D)	360 x 372 x 423 mm
Weight of main unit	15.5 kg

Speaker system SX-WAN5

Cabinet type	3 way, built-in subwoofer
Speaker units	Subwoofer : 220 mm cone type Woofer : 120 mm cone type Tweeter: 60 mm cone type
Impedance	6 ohms / 8 ohms
Output sound pressure level	86 dB/W/m
Dimensions (W x H x D)	250 x 535 x 298 mm
Weight	7.5 kg

• Design and specifications are subject to change without notice.

• The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.

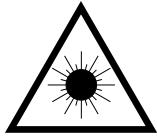
Under license from BBE Sound, Inc.

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!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

VARNING!

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

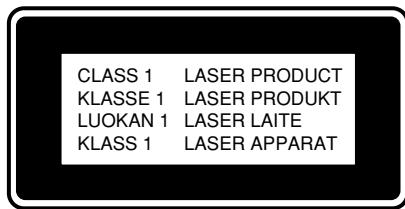
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

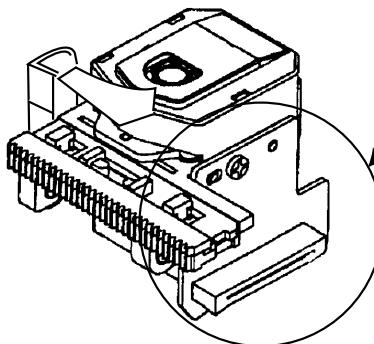
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



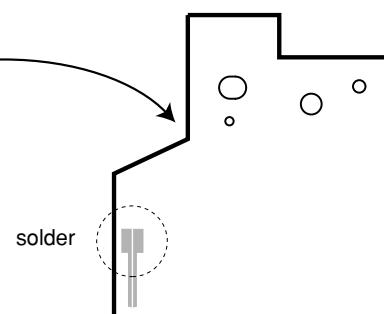
Precaution to replace Optical block (KSM-880CAB)

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.



PICK-UP Assy P.C.B



NOTE ON BEFORE STARTING REPAIR

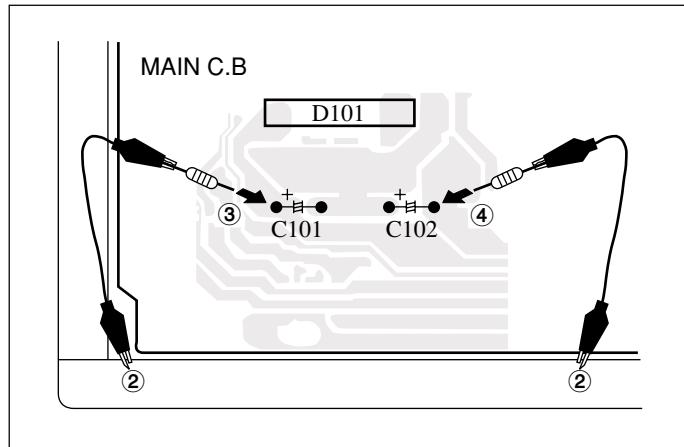
1. Forced discharge of electrolytic capacitor of power supply block

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.



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

Fig-1

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.

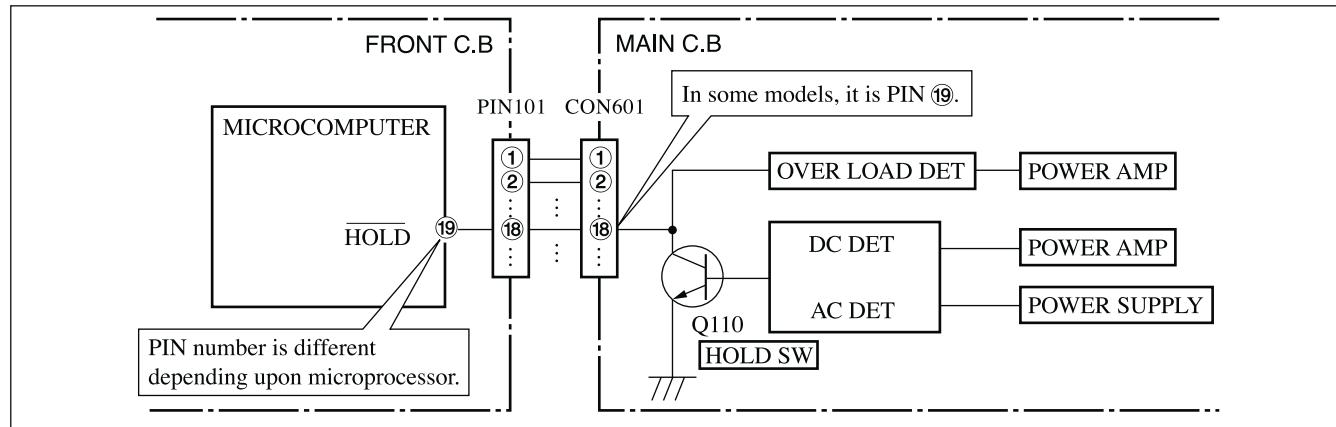


Fig-2-1

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.

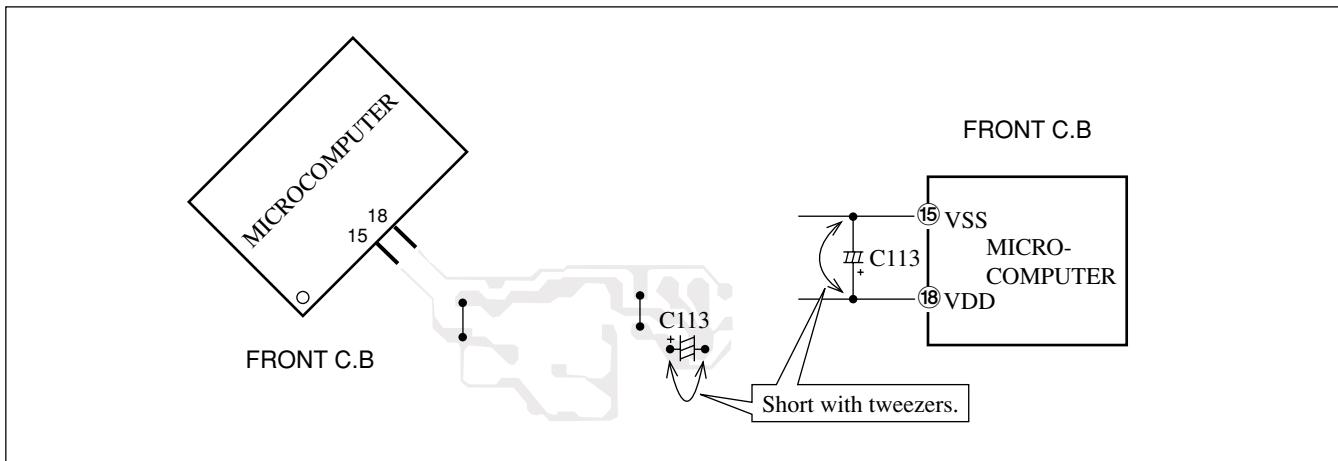


Fig-2-2

- 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.

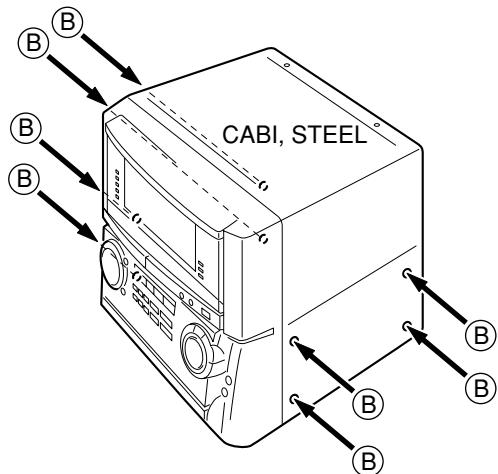
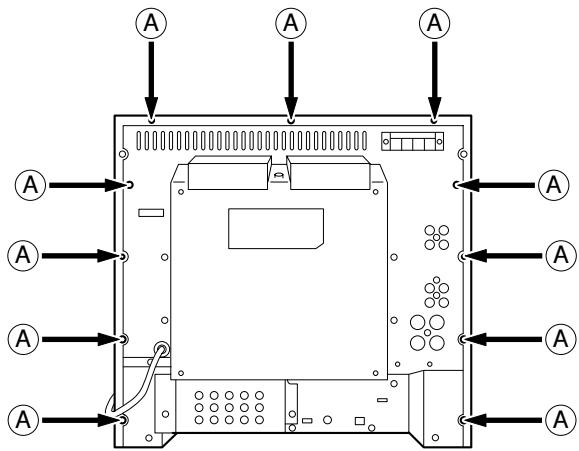
Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

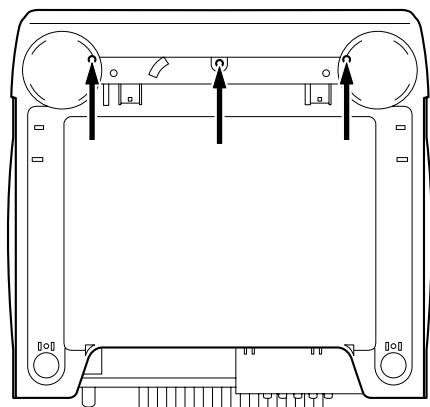
Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

DISASSEMBLY INSTRUCTIONS CD DISASSEMBLING PROCEDURE

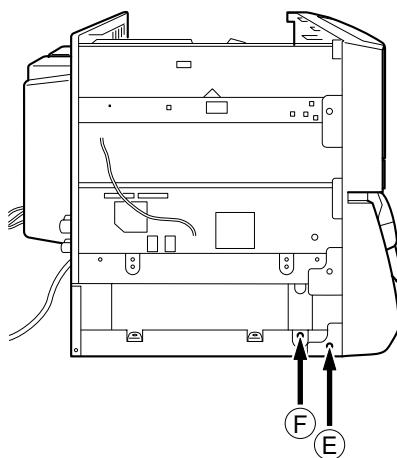
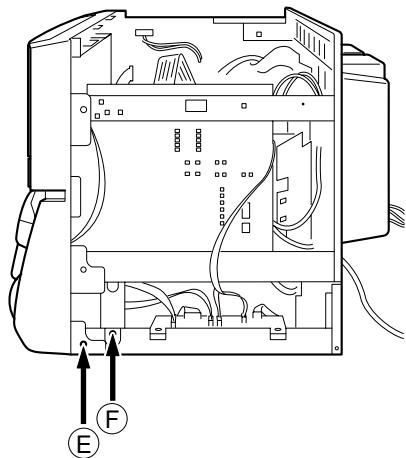
1. Remove the 19 screws (Ⓐx11, Ⓑx8) and remove the CABI, STEEL.



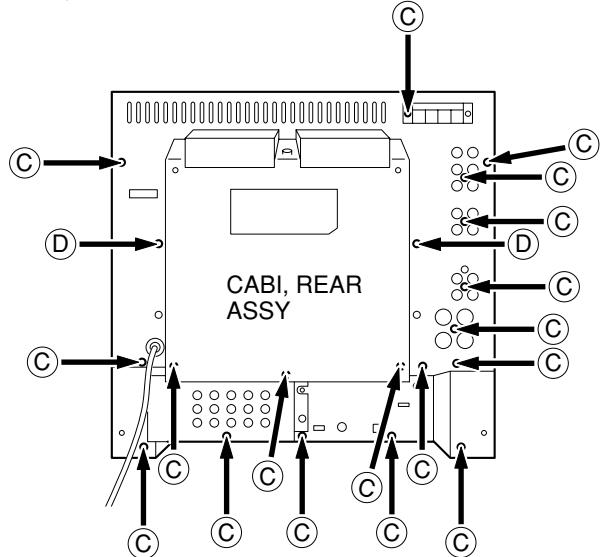
2. Remove the 3 screws from the bottom of the unit.



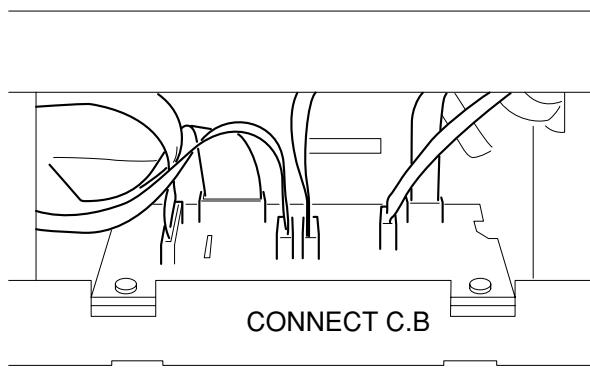
3. Remove the 4 screws (Ⓔx2, Ⓩx2) from both sides.



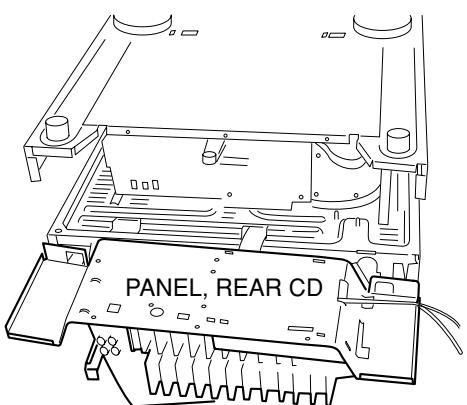
4. Remove the 20 screws (C_x18, D_x2) and remove the CABI, REAR ASSY.



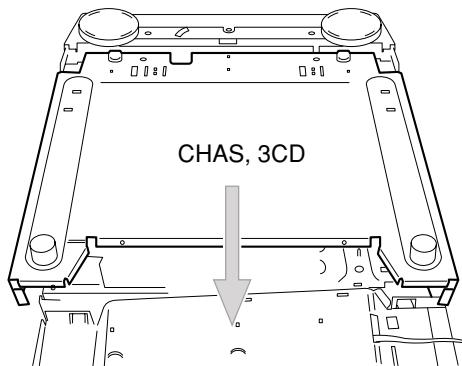
5. Remove the 6 FFCs from the CONNECT C.B.



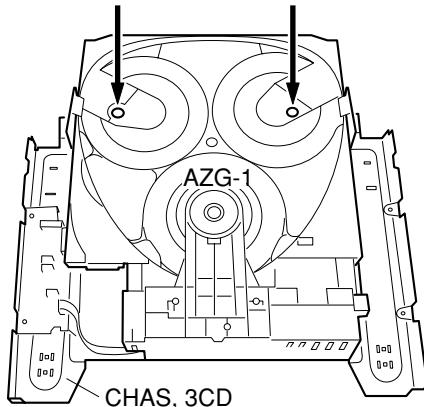
6. Remove the PANEL, REAR CD.



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



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

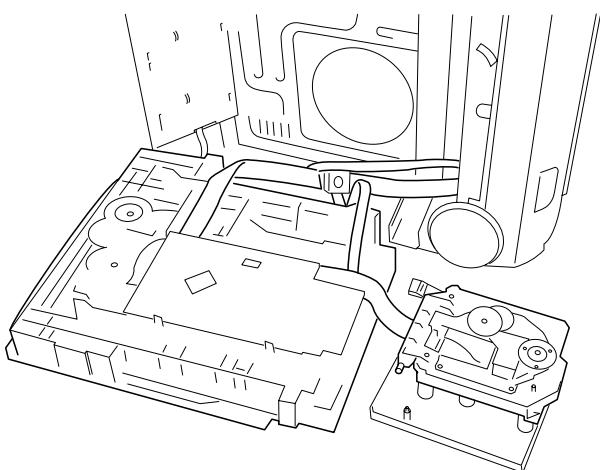


CD service position

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							
8A-MT4-601-010	C-IC,LC866560W-5P68			C1	87-012-369-080	C-CAP,S 0.047-50F	
87-017-888-080	IC,NJM4558MD			C2	87-012-369-080	C-CAP,S 0.047-50F	
87-A20-914-010	IC,SPS-442-1-F			C3	87-012-368-080	C-CAP,S 0.1-50 F	
87-A21-021-040	C-IC,BU2099FV			C4	87-012-368-080	C-CAP,S 0.1-50 F	
87-A21-398-010	IC,STK490-110			C5	87-012-368-080	C-CAP,S 0.1-50 F	
87-A20-783-040	C-IC,BA7762AFS			C6	87-012-368-080	C-CAP,S 0.1-50 F	
87-A21-023-040	C-IC,BA3835F			C9	87-016-658-090	CAP,E 4700-35 SMG	
87-A21-022-040	C-IC,BA3880FS			C10	87-016-658-090	CAP,E 4700-35 SMG	
87-A21-031-040	C-IC,BU4551BF			C21	87-010-385-080	CAP, ELECT 220-25V	
87-A21-202-040	C-IC,M62445AFP			C22	87-010-385-080	CAP, ELECT 220-25V	
87-A20-613-040	C-IC,BU9262AFS			C23	87-010-247-080	CAP, ELECT 100-50V	
87-A20-820-010	IC,BA7625			C24	87-010-247-080	CAP, ELECT 100-50V	
87-017-917-080	IC,BU4066BCF			C25	87-010-430-080	CAP, ELECT 100-63	
87-017-726-080	IC,BU4052 BCF			C26	87-010-263-080	CAP, ELECT 100-10V	
87-017-915-080	IC,BU4094BCF			C29	87-010-247-080	CAP, ELECT 100-50V	
87-070-127-110	IC,LC72131D			C30	87-010-235-080	CAP,E 470-16 SME	
87-A20-913-010	IC,LA1837NL			C31	87-010-235-080	CAP,E 470-16 SME	
87-020-454-010	IC,DN6851			C61	87-010-260-080	CAP, ELECT 47-25V	
				C62	87-010-403-080	CAP, ELECT 3.3-50V	
				C91	87-010-401-080	CAP, ELECT 1-50V	
TRANSISTOR							
87-026-245-080	TR,DTC114ES			C92	87-010-374-080	CAP, ELECT 47-10V	
87-026-609-080	TR,KTA1266GR			C93	87-010-380-080	CAP, ELECT 47-16V	
87-A30-198-080	TR,KTC3199GR			C103	87-010-401-080	CAP, ELECT 1-50V	
87-026-610-080	TR,KTC3198GR			C104	87-010-401-080	CAP, ELECT 1-50V	
87-A30-076-080	C-TR,2SC3052F			C105	87-010-322-080	C-CAP,S 100P-50 CH	
87-A30-075-080	C-TR,2SA1235F			C106	87-010-322-080	C-CAP,S 100P-50 CH	
87-A30-234-080	TR,CSC4115BC			C112	87-010-187-080	C-CAP,S 5600P-50 K B	
87-A30-087-080	C-FET,2SK2158			C113	87-010-187-080	C-CAP,S 5600P-50 K B	
87-A30-107-070	C-TR,CMBT5401			C115	87-010-196-080	CHIP CAPACITOR,0.1-25	
89-333-266-080	CHIP TR,2SC3326B			C116	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A30-190-080	TR,CC5551			C120	87-010-405-080	CAP, ELECT 10-50V	
87-A30-073-080	C-TR,RT1N 141C			C121	87-010-405-080	CAP, ELECT 10-50V	
87-A30-071-080	C-TR,RT1N 144C			C137	87-010-322-080	C-CAP,S 100P-50 CH	
87-A30-074-080	C-TR,RT1P 141C			C138	87-010-322-080	C-CAP,S 100P-50 CH	
87-A30-106-070	C-TR,CMBT5551			C148	87-010-197-080	CAP, CHIP 0.01 DM	
87-A30-202-080	C-TR,RT1P441C			C149	87-010-197-080	CAP, CHIP 0.01 DM	
87-A30-186-010	FET,2SK3053			C150	87-010-197-080	CAP, CHIP 0.01 DM	
87-A30-240-080	TR,CSA1585BC			C161	87-010-197-080	CAP, CHIP 0.01 DM	
87-A30-159-080	C-TR,KTA1298Y			C229	87-010-993-080	C-CAP,S 0.056-25 B	
87-A30-047-080	TR,CSD655E			C230	87-010-993-080	C-CAP,S 0.056-25 B	
87-A30-072-080	C-TR,RT1P 144C			C231	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A30-142-040	C-TR,DTA123EKA			C232	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A30-097-010	TR,FN1016			C233	87-010-190-080	S CHIP F 0.01	
87-A30-098-010	TR,FP1016			C234	87-010-190-080	S CHIP F 0.01	
87-A30-162-010	FET,2SK2937			C250	87-010-406-080	CAP, ELECT 22-50	
DIODE							
87-020-465-080	DIODE,1SS133 (110MA)			C303	87-012-157-080	C-CAP,S 330P-50 CH	
87-A40-224-010	DIODE,GBU8D			C304	87-012-157-080	C-CAP,S 330P-50 CH	
87-070-274-080	DIODE,1N4003 SEM			C307	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A40-341-080	ZENER,MTZJ 36 A			C311	87-010-198-080	CAP, CHIP 0.022	
87-A40-345-080	ZENER,MTZJ10C			C312	87-010-198-080	CAP, CHIP 0.022	
87-A40-270-080	C-DIODE,MC2838			C315	87-010-178-080	CHIP CAP 1000P	
87-A40-313-080	C-DIODE,MC 2840			C316	87-010-178-080	CHIP CAP 1000P	
87-A40-269-080	C-DIODE,MC2836			C321	87-012-142-080	CAP, S 0.33-16	
87-A40-004-080	ZENER,MTZJ16A			C322	87-012-142-080	CAP, S 0.33-16	
87-A40-435-080	ZENER,MTZJ30D			C324	87-010-260-080	CAP, ELECT 47-25V	
87-A40-488-080	DIODE,1SS244			C325	87-010-370-080	CAP,E 330-6.3 SME	
87-020-331-080	CHIP-DIODE,DAN202K			C327	87-010-404-080	CAP, ELECT 4.7-50V	
87-A40-344-080	ZENER,MTZJ6.2C			C328	87-010-404-080	CAP, ELECT 4.7-50V	
87-A40-646-010	DIODE,FMB-G16L			C332	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-070-136-080	ZENER,MTZJ5.1B			C335	87-010-401-080	CAP, ELECT 1-50V	
87-017-932-080	ZENER,MTJ6.2B			C336	87-010-401-080	CAP, ELECT 1-50V	
87-070-345-080	DIODE,IN4148			C337	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A40-002-080	ZENER,MTZJ5.1C			C339	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A40-438-080	ZENER,MTZJ4.7A			C340	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A40-234-080	ZENER,MTZJ5.6A			C351	87-012-140-080	CAP 470P	
				C352	87-012-140-080	CAP 470P	
				C354	87-010-175-080	CAP 560P	
				C355	87-010-178-080	CHIP CAP 1000P	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C356	87-010-260-080		CAP, ELECT 47-25V	C703	87-010-319-080		C-CAP,S 56P-50 CH
C357	87-010-197-080		CAP, CHIP 0.01 DM	C704	87-010-319-080		C-CAP,S 56P-50 CH
C358	87-010-183-080		C-CAP,S 2700P-50 B	C705	87-012-393-080		C-CAP,S 0.22-16 R K
C359	87-010-183-080		C-CAP,S 2700P-50 B	C706	87-010-197-080		CAP, CHIP 0.01 DM
C360	87-010-183-080		C-CAP,S 2700P-50 B	C707	87-010-180-080		C-CER 1500P
C370	87-010-196-080		CHIP CAPACITOR, 0.1-25	C708	87-010-213-080		C-CAP,S 0.015-50 B
C373	87-016-083-080		C-CAP,S 0.15-16 RK	C709	87-010-213-080		C-CAP,S 0.015-50 B
C374	87-016-083-080		C-CAP,S 0.15-16 RK	C710	87-010-197-080		CAP, CHIP 0.01 DM
C378	87-010-196-080		CHIP CAPACITOR, 0.1-25	C711	87-010-181-080		CAP, CHIP S 1800P
C386	87-010-196-080		CHIP CAPACITOR, 0.1-25	C712	87-010-196-080		CHIP CAPACITOR, 0.1-25
C388	87-012-156-080		C-CAP,S 220P-50 CH	C713	87-010-544-080		CAP, ELECT 0.1-50V
C393	87-010-319-080		C-CAP,S 56P-50 J CH	C714	87-010-374-080		CAP, ELECT 47-10V
C394	87-010-319-080		C-CAP,S 56P-50 J CH	C715	87-010-494-080		CAP ELECT GAS 1/50
C401	87-010-196-080		CHIP CAPACITOR, 0.1-25	C716	87-010-494-080		CAP ELECT GAS 1/50
C402	87-010-260-080		CAP, ELECT 47-25V	C717	87-010-183-080		C-CAP,S 2700P-50 B
C403	87-010-404-080		CAP, ELECT 4.7-50V	C718	87-010-183-080		C-CAP,S 2700P-50 B
C404	87-010-404-080		CAP, ELECT 4.7-50V	C731	87-010-405-080		CAP, ELECT 10-50V
C405	87-010-404-080		CAP, ELECT 4.7-50V	C732	87-010-196-080		CHIP CAPACITOR, 0.1-25
C406	87-010-404-080		CAP, ELECT 4.7-50V	C733	87-010-196-080		CHIP CAPACITOR, 0.1-25
C407	87-010-188-080		CAP, CHIP 6800P	C734	87-012-156-080		C-CAP,S 220P-50 J CH
C408	87-010-188-080		CAP, CHIP 6800P	C735	87-010-178-080		C-CAP,S 1000P-50 K B
C409	87-012-140-080		CAP 470P	C736	87-010-196-080		CHIP CAPACITOR, 0.1-25
C410	87-012-140-080		CAP 470P	C738	87-010-318-080		C-CAP,S 47P-50 J CH
C411	87-010-404-080		CAP, ELECT 4.7-50V	C740	87-010-322-080		C-CAP,S 100P-50 CH
C412	87-010-404-080		CAP, ELECT 4.7-50V	C741	87-010-178-080		C-CAP,S 1000P-50 K B
C413	87-010-404-080		CAP, ELECT 4.7-50V	CN3	87-A60-739-010		CONN, 13P JL-BT
C414	87-010-404-080		CAP, ELECT 4.7-50V	CN91	87-A60-109-010		CONN, 2P V S2M-2W
C415	87-010-197-080		CAP, CHIP 0.01 DM	CN351	87-A60-625-010		CONN, 8P V 2MM JMT
C416	87-010-197-080		CAP, CHIP 0.01 DM	CN601	87-A60-136-010		CONN, 11P V FE
C417	87-010-195-080		C-CAP,S 0.068-25 F	CN602	87-A60-131-010		CONN, 6P V FE
C418	87-010-956-080		CHIP-CAP,S 0.068-25B	CN603	87-A60-142-010		CONN, 17P V FE
C419	87-010-260-080		CAP, ELECT 47-25V	CN604	87-099-570-010		CONN, 13P TUC-P13P-B1
C421	87-012-140-080		CAP 470P	CN607	87-A60-140-010		CONN, 15P V FE
C422	87-012-140-080		CAP 470P	CN608	87-A60-621-010		CONN, 4P V 2MM JMT
C451	87-010-401-080		CAP, ELECT 1-50V	CNA1	8A-NF8-653-010		CONN ASSY, 9P TID-A(480)
C452	87-010-401-080		CAP, ELECT 1-50V	CNA202	88-805-051-890		CONN ASSY, 5P PH
C454	87-010-401-080		CAP, ELECT 1-50V	CNA205	8A-MT4-606-010		CONN ASSY, 2P VH
C457	87-010-196-080		CHIP CAPACITOR, 0.1-25	J202	87-A60-929-010		JACK, DIA6.3 BLK ST W/S TAI
C458	87-010-196-080		CHIP CAPACITOR, 0.1-25	J205	87-A60-750-010		JACK, PIN 4P R/W BLUE
C461	87-010-544-080		CAP, ELECT 0.1-50V	J601	87-099-625-010		JACK PIN 4P, RVS (KM)
C471	87-010-401-080		CAP, ELECT 1-50V	L201	87-003-383-010		COIL, 1UH-S
C481	87-010-196-080		CHIP CAPACITOR, 0.1-25	L202	87-003-383-010		COIL, 1UH-S
C601	87-010-183-080		C-CAP,S 2700P-50 B	L301	87-A50-049-010		COIL, TRAP 85K(COI)
C602	87-010-183-080		C-CAP,S 2700P-50 B	L302	87-A50-049-010		COIL, TRAP 85K(COI)
C607	87-010-318-080		C-CAP,S 47P-50 CH	L351	87-007-342-010		COIL, OSC 85K BIAS
C608	87-010-318-080		C-CAP,S 47P-50 CH	L701	87-005-448-080		COIL 220UH, K
C612	87-010-322-080		C-CAP,S 100P-50 CH	SFR351	87-024-356-080		SFR, 47K DIA6 H
C613	87-016-081-080		C-CAP,S 0.1-16 RK	SFR352	87-024-356-080		SFR, 47K DIA6 H
C614	87-016-081-080		C-CAP,S 0.1-16 RK	WH1	87-A90-510-010		HLDR, WIRE 2.5-9P
C619	87-010-185-080		C-CAP,S 3900P-50 B	WH3	87-A90-506-010		HLDR, WIRE 2.5-2P
C620	87-010-185-080		C-CAP,S 3900P-50 B	FRONT C.B			
C621	87-010-401-080		CAP, ELECT 1-50V	C101	87-A10-189-040		CAP, E 220-10
C622	87-010-401-080		CAP, ELECT 1-50V	C105	87-012-155-080		C-CAP 180P-50CH
C628	87-010-322-080		C-CAP,S 100P-50 CH	C106	87-010-311-080		C-CAP,S 12P-50 CH
C629	87-010-405-080		CAP, ELECT 10-50V	C107	87-012-157-080		C-CAP,S 330P-50 CH
C108	87-010-405-080		CAP, ELECT 10-50V	C108	87-010-405-040		CAP, E 10-50
C630	87-010-213-080		C-CAP,S 0.015-50 B	C110	87-010-183-080		C-CAP,S 2700P-50 B
C631	87-010-992-080		C-CAP,S 0.047-25 B	C111	87-010-213-080		C-CAP,S 0.015-50 B
C632	87-010-263-080		CAP, ELECT 100-10V	C112	87-A11-606-080		C-CAP,S 0.022-25 K B
C633	87-010-263-080		CAP, ELECT 100-10V	C113	87-A10-189-040		CAP, E 220-10
C634	87-010-196-080		CHIP CAPACITOR, 0.1-25	C114	87-010-196-080		CHIP CAPACITOR, 0.1-25
C635	87-010-196-080		CHIP CAPACITOR, 0.1-25	C115	87-010-322-080		C-CAP,S 100P-50 CH
C636	87-010-992-080		C-CAP,S 0.047-25 B	C116	87-010-400-040		CAP, E 0.47-50
C637	87-010-183-080		C-CAP,S 2700P-50 B	C117	87-010-378-080		CAP, E 10-16 M
C640	87-010-314-080		C-CAP,S 22P-50V	C118	87-012-369-080		C-CAP,S 0.047-50F
C641	87-010-196-080		CHIP CAPACITOR, 0.1-25	C119	87-010-408-040		CAP, E 47-50 SME
C678	87-010-196-080		CHIP CAPACITOR, 0.1-25	C120	87-010-404-040		CAP, E 4.7-50 M
C680	87-010-196-080		CHIP CAPACITOR, 0.1-25	C121	87-010-404-040		CAP, E 4.7-50 M
C681	87-010-197-080		CAP, CHIP 0.01 DM				
C701	87-010-263-080		CAP, ELECT 100-10V				
C702	87-010-196-080		CHIP CAPACITOR, 0.1-25				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C122	87-010-408-040	CAP, E 47-50 M		CN208	87-099-564-010	CONN, 4P TUC-P4P-B1	
C123	87-010-196-080	CHIP CAPACITOR, 0.1-25		CN302	87-A60-163-010	CONN, 15P H FE	
C125	87-010-196-080	CHIP CAPACITOR, 0.1-25		CN303	87-A60-619-010	CONN, 2P V 2MM JMT	
C126	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED201	87-A40-317-080	LED, SLR-342VCT31 RED	
C127	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED202	87-A40-317-080	LED, SLR-342VCT31 RED	
C128	87-012-140-080	CAP 470P		LED203	87-A40-317-080	LED, SLR-342VCT31 RED	
C129	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED204	87-A40-317-080	LED, SLR-342VCT31 RED	
C130	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED205	87-A40-317-080	LED, SLR-342VCT31 RED	
C201	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED216	87-A40-619-040	LED, SLR-56PT-T31-W GRN	
C204	87-012-156-080	C-CAP, S 220P-50 CH		LED217	87-A40-619-040	LED, SLR-56PT-T31-W GRN	
C207	87-010-322-080	C-CAP, S 100P-50 CH		LED218	87-A40-619-040	LED, SLR-56PT-T31-W GRN	
C281	87-010-112-040	CAP, E 100-16		LED219	87-A40-619-040	LED, SLR-56PT-T31-W GRN	
C305	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED220	87-A40-619-040	LED, SLR-56PT-T31-W GRN	
C381	87-010-196-080	CHIP CAPACITOR, 0.1-25		LED221	87-A40-619-040	LED, SLR-56PT-T31-W GRN	
C382	87-012-158-080	C-CAP, S 390P-50 CH		LED293	87-A40-317-080	LED, SLR-342VCT31 RED	
C383	87-010-196-080	CHIP CAPACITOR, 0.1-25		S101	87-A91-590-010	SW, RTRY RE0121PVVOL	
C384	87-010-196-080	CHIP CAPACITOR, 0.1-25		S102	87-A91-589-010	SW, RTRY RE0121PVJOG	
C385	87-010-196-080	CHIP CAPACITOR, 0.1-25		S301	87-A90-095-080	SW, TACT EVQ11G04M	
C386	87-010-196-080	CHIP CAPACITOR, 0.1-25		S302	87-A90-095-080	SW, TACT EVQ11G04M	
C387	87-010-196-080	CHIP CAPACITOR, 0.1-25		S303	87-A90-095-080	SW, TACT EVQ11G04M	
C388	87-010-263-040	CAP, E 100-10 M		S304	87-A90-095-080	SW, TACT EVQ11G04M	
C390	87-010-196-080	CHIP CAPACITOR, 0.1-25		S305	87-A90-095-080	SW, TACT EVQ11G04M	
C938	87-012-145-080	CAP, CHIP S 270P CH		S306	87-A90-095-080	SW, TACT EVQ11G04M	
C941	87-012-145-080	CAP, CHIP S 270P CH		S307	87-A90-095-080	SW, TACT EVQ11G04M	
C942	87-012-145-080	CAP, CHIP S 270P CH		S308	87-A90-095-080	SW, TACT EVQ11G04M	
C943	87-012-145-080	CAP, CHIP S 270P CH		S309	87-A90-095-080	SW, TACT EVQ11G04M	
C944	87-012-145-080	CAP, CHIP S 270P CH		S310	87-A90-095-080	SW, TACT EVQ11G04M	
C945	87-012-145-080	CAP, CHIP S 270P CH		S321	87-A90-095-080	SW, TACT EVQ11G04M	
C946	87-012-145-080	CAP, CHIP S 270P CH		S322	87-A90-095-080	SW, TACT EVQ11G04M	
C947	87-012-145-080	CAP, CHIP S 270P CH		S323	87-A90-095-080	SW, TACT EVQ11G04M	
C948	87-012-145-080	CAP, CHIP S 270P CH		S324	87-A90-095-080	SW, TACT EVQ11G04M	
C949	87-012-145-080	CAP, CHIP S 270P CH		S325	87-A90-095-080	SW, TACT EVQ11G04M	
C950	87-012-145-080	CAP, CHIP S 270P CH		S326	87-A90-095-080	SW, TACT EVQ11G04M	
C951	87-012-145-080	CAP, CHIP S 270P CH		S327	87-A90-095-080	SW, TACT EVQ11G04M	
CN101	87-A60-142-010	CONN, 17P V FE		S328	87-A90-095-080	SW, TACT EVQ11G04M	
CN102	87-A60-136-010	CONN, 11P V FE		S329	87-A90-095-080	SW, TACT EVQ11G04M	
CN103	87-099-015-010	CONN, 13P V BLK 6216		S341	87-A90-095-080	SW, TACT EVQ11G04M	
CN104	87-A60-673-010	CONN, 9P H 2MM JMT		S344	87-A90-095-080	SW, TACT EVQ11G04M	
CN105	87-A60-586-010	CONN, 4P V FE		S346	87-A90-095-080	SW, TACT EVQ11G04M	
CN301	87-A60-140-010	CONN, 15P V FE		S347	87-A90-095-080	SW, TACT EVQ11G04M	
CNA602	88-805-041-690	CONN ASSY, 4P PH		S348	87-A90-095-080	SW, TACT EVQ11G04M	
FL101	8A-MT4-605-010	FL, BJ741GK		S349	87-A90-095-080	SW, TACT EVQ11G04M	
L101	87-A50-408-010	COIL, OSC 5.76MHZ		S350	87-A90-095-080	SW, TACT EVQ11G04M	
LED242	87-A40-317-080	LED, SLR-342VCT31 RED		S351	87-A90-095-080	SW, TACT EVQ11G04M	
LED243	87-A40-317-080	LED, SLR-342VCT31 RED		S352	87-A90-095-080	SW, TACT EVQ11G04M	
LED246	87-A40-317-080	LED, SLR-342VCT31 RED		S353	87-A90-095-080	SW, TACT EVQ11G04M	
LED248	87-A40-317-080	LED, SLR-342VCT31 RED					
LED250	87-A40-317-080	LED, SLR-342VCT31 RED					
LED251	87-A40-317-080	LED, SLR-342VCT31 RED					
LED254	87-A40-317-080	LED, SLR-342VCT31 RED					
				AMP C.B			
LED256	87-A40-317-080	LED, SLR-342VCT31 RED		C27	87-012-140-080	C-CAP, S 470P-50 J CH	
				C29	87-010-247-080	CAP, ELECT 100-50V	
				C103	87-010-408-080	CAP, ELECT 47-50V	
				C104	87-010-408-080	CAP, ELECT 47-50V	
OPERATE C.B				C109	87-010-322-080	C-CAP, S 100P-50 CH	
C205	87-012-156-080	C-CAP, S 220P-50 CH		C110	87-010-322-080	C-CAP, S 100P-50 CH	
C209	87-010-196-080	CHIP CAPACITOR, 0.1-25		C111	87-010-260-080	CAP, ELECT 47-25V	
C282	87-010-197-080	CAP, CHIP 0.01 DM		C112	87-A10-812-080	C-CAP, S 220P-200 J CH	
C284	87-010-182-080	C-CAP, S 2200P-50 B		C113	87-010-197-080	CAP, CHIP 0.01 DM	
C601	87-010-186-080	C-CAP, S 4700P-50 K B		C114	87-010-260-080	CAP, ELECT 47-25V	
C602	87-010-405-040	CAP, ELECT 10-50V M		C115	87-A10-812-080	C-CAP, S 220P-200 J CH	
C603	87-010-320-080	C-CAP, S 68P-50 J CH		C116	87-010-197-080	CAP, CHIP 0.01 DM	
C604	87-010-492-040	CAP, ELECT 0.33-50 M		C125	87-012-388-080	C-CAP, S 0.1-50 Z F	
C605	87-010-196-080	CHIP CAPACITOR, 0.1-25		C126	87-012-388-080	C-CAP, S 0.1-50 Z F	
C606	87-016-044-040	CAP, ELECT 100-16 M		C127	87-012-368-080	C-CAP, S 0.1-50 F	
C607	87-010-196-080	CHIP CAPACITOR, 0.1-25		C128	87-012-368-080	C-CAP, S 0.1-50 F	
C608	87-010-178-080	C-CAP, S 1000P-50 K B		C129	87-010-191-080	C-CAP, S 0.015-50 Z F GRM	
CN205	87-099-564-010	CONN, 4P TUC-P4P-B1		C130	87-010-191-080	C-CAP, S 0.015-50 Z F GRM	
CN206	87-099-564-010	CONN, 4P TUC-P4P-B1		C131	87-010-197-080	CAP, CHIP 0.01 DM	
CN207	87-099-564-010	CONN, 4P TUC-P4P-B1		C132	87-010-197-080	CAP, CHIP 0.01 DM	

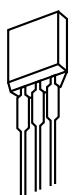
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C133	87-010-197-080		CAP, CHIP 0.01 DM	C951	87-010-196-080		CHIP CAPACITOR, 0.1-25
C209	87-010-405-080		CAP, ELECT 10-50V	C952	87-010-196-080		CHIP CAPACITOR, 0.1-25
C210	87-010-405-080		CAP, ELECT 10-50V	C953	87-010-188-080		CAP, CHIP 6800P
C211	87-010-186-080		C-CAP,S 4700P-50 K B	C954	87-010-188-080		CAP, CHIP 6800P
C212	87-010-186-080		C-CAP,S 4700P-50 K B	CN901	87-A60-130-010		CONN, 5P V FE
C217	87-010-260-080		CAP, ELECT 47-25V	FB951	83-XM1-617-080		C-COIL,BK2125 HM601
C218	87-010-260-080		CAP, ELECT 47-25V	J951	87-A61-180-010		JACK, PIN 3P Y/W/R W/O SW G
C220	87-010-405-080		CAP, ELECT 10-50V				CONNECT C.B
C223	87-010-197-080		CAP, CHIP 0.01 DM				
C224	87-010-197-080		CAP, CHIP 0.01 DM				
C228	87-010-405-080		CAP, ELECT 10-50V	CN651	87-A60-131-010		CONN, 6P V FE
C251	87-010-235-080		CAP,E 470-16 M	CN652	87-A60-131-010		CONN, 6P V FE
C301	87-016-299-080		CAP,E 10-100 SME	CN653	87-A60-138-010		CONN, 13P V FE
C302	87-016-299-080		CAP,E 10-100 SME	CN654	87-A60-138-010		CONN, 13P V FE
C303	87-010-196-080		CHIP CAPACITOR, 0.1-25	CN655	87-A60-130-010		CONN, 5P V FE
CN201	87-A60-727-010		CONN, 13P JL-R	CN656	87-A60-130-010		CONN, 5P V FE
CN5	87-009-938-010		CONN, 2P VH				
CNA204	8A-MT4-607-010		CONN ASSY, 9P VH				VOLTAGE SEL SW C.B
J203	87-A61-167-010		TERMINAL, SP 4P LTS0420-1002				
L101	87-003-383-010		COIL, 1UH-S				
L102	87-003-383-010		COIL, 1UH-S	△ CNA2	8A-MTM-640-010		CONN ASSY, 3P AC-SW
R151	87-A00-669-080		RES,M/F 0.22-2WJ RA	△ CNA3	8A-MTM-639-010		CONN ASSY, 2P AC-SW
R152	87-A00-669-080		RES,M/F 0.22-2WJ RA	△ S1	87-036-067-010		SLIDE SW (AC VOLTAGE) (H ONLY)
R153	87-A00-669-080		RES,M/F 0.22-2WJ RA				
R154	87-A00-669-080		RES,M/F 0.22-2WJ RA				
R155	87-A00-669-080		RES,M/F 0.22-2WJ RA	CNA304	88-805-021-590		CONN ASSY, 2P
R156	87-A00-669-080		RES,M/F 0.22-2WJ RA	S314	87-A90-095-080		SW, TACT EVQ11G04M
R157	87-A00-669-080		RES,M/F 0.22-2WJ RA	S315	87-A90-095-080		SW, TACT EVQ11G04M
R175	87-A00-669-080		RES,M/F 0.22-2WJ RA	S316	87-A90-095-080		SW, TACT EVQ11G04M
R277	87-A00-669-080		RES,M/F 0.22-2WJ RA				
R278	87-A00-669-080		RES,M/F 0.22-2WJ RA				
TH101	87-A91-042-080		C-THMS, 100K 55001				
TH102	87-A91-042-080		C-THMS, 100K 55001	FB601	87-A50-190-080		C-COIL, S BLM21A102S
				J601	87-099-659-010		JACK, 6.3 JY-6314-01130
				J602	87-099-659-010		JACK, 6.3 JY-6314-01130
				CN601	87-009-030-010		CONN, 2P V WHT PH
VIDEO I/O C.B							
C901	87-010-406-080		CAP, ELECT 22-50				
C902	87-010-406-080		CAP, ELECT 22-50				
C903	87-010-406-080		CAP, ELECT 22-50				
C904	87-010-406-080		CAP, ELECT 22-50	PT C.B			
C905	87-010-406-080		CAP, ELECT 22-50	C1	87-010-387-080		CAP,E 470-25 SME
C906	87-010-260-080		CAP, ELECT 47-25V	C3	87-018-214-080		CAP TC U 0.1-50F
C907	87-010-196-080		CHIP CAPACITOR, 0.1-25	C4	87-018-214-080		CAP TC U 0.1-50F
C908	87-010-387-080		CAP,E 470-25 SME	C5	87-018-214-080		CAP TC U 0.1-50F
C909	87-010-371-080		CAP, ELECT 470-6.3V	C6	87-018-214-080		CAP TC U 0.1-50F
C910	87-010-371-080		CAP, ELECT 470-6.3V	△ C7	87-A10-479-080		CAP,CER 2200P-250 M E KH
C911	87-010-371-080		CAP, ELECT 470-6.3V	C8	87-016-658-000		CAP,E 4700-35 M SMG
C912	87-010-196-080		CHIP CAPACITOR, 0.1-25	C9	87-016-658-000		CAP,E 4700-35 M SMG
C913	87-010-196-080		CHIP CAPACITOR, 0.1-25	C10	87-A10-416-090		CAP,E 6800-80 SMG VB
C917	87-010-196-080		CHIP CAPACITOR, 0.1-25	C11	87-A10-416-090		CAP,E 6800-80 SMG VB
C918	87-010-196-080		CHIP CAPACITOR, 0.1-25	C12	87-018-214-080		CAP TC U 0.1-50F
CN904	87-A60-140-010		CONN, 15P V FE	C13	87-018-214-080		CAP TC U 0.1-50F
CN905	87-A60-595-010		CONN, 17P TUC-P17P-B1	C14	87-018-214-080		CAP TC U 0.1-50F
CNA901	87-A60-130-010		CONN, 5P V FE	C15	87-018-214-080		CAP TC U 0.1-50F
L901	87-003-152-080		COIL, 100UH	C16	87-A10-416-090		CAP,E 6800-80 SMG VB
R905	87-010-317-080		C-CAP,S 39P-50 CH	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	87-018-214-080		CAP TC U 0.1-50F
VIDEO JACK C.B							
C914	87-010-196-080		CHIP CAPACITOR, 0.1-25	C22	87-018-214-080		CAP TC U 0.1-50F
C915	87-010-196-080		CHIP CAPACITOR, 0.1-25	CN1	87-A61-110-010		CONN, 9P V TID-A
C916	87-010-196-080		CHIP CAPACITOR, 0.1-25	CN2	87-A60-851-010		CONN, 9P V VH
CN906	87-A60-594-010		CONN, 17P TUC-P17X-B1	CN3	87-A60-645-010		CONN, 3P V VH
J901	87-A61-236-010		JACK, PIN 3P Y/R/W	CN4	87-A60-129-010		CONN, 3P V VA-B3P5 VH
J902	87-A61-236-010		JACK, PIN 3P Y/R/W	△ CN5	87-099-674-010		CONN, 2P V VA
J903	87-A61-236-010		JACK, PIN 3P Y/R/W	△ PR1	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V
J904	87-A61-236-010		JACK, PIN 3P Y/R/W	△ PR2	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V
J905	87-A61-236-010		JACK, PIN 3P Y/R/W	△ PR3	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V
				△ PR4	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V
VIDEO-3 C.B							
				△ PR5	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
▲ PR6	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V	C773	87-010-196-020		CHIP CAPACITOR, 0.1-25
▲ PR7	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V	C774	87-010-263-080		CAP,ELECT 100-10V
▲ PR8	87-026-682-080		PROTECTOR, 10A 491 SERIES 60V	C775	87-010-404-080		CAP,ELECT 4.7-50V
▲ PT1	8A-MT4-621-010		PT, AMT-4 LH	C776	87-012-286-020		CAP,U 0.01-25
▲ PT2	8A-NF8-673-010		PT,SUB ANF-8 (H) KAMI	C777	87-010-400-080		CAP,ELECT 0.47-50V
▲ RY1	87-A91-339-010		RELAY, AC DC12V G5PA-2	C778	87-010-401-080		CAP,ELECT 1-50V
LED A C.B				C779	87-010-401-080		CAP,ELECT 1-50V
				C780	87-010-196-020		CHIP CAPACITOR, 0.1-25
				C781	87-010-405-080		CAP,ELECT 10-50V
				C782	87-010-405-080		CAP,ELECT 10-50V
CN203	87-A60-688-010		CONN, 4P H GRY TUC-P04X-C1	C783	87-012-286-020		CAP,U 0.01-25
D202	87-A40-786-080		LED, SMLS1BE16WTP4 BLU/UMB	C784	87-012-286-020		CAP,U 0.01-25
LED B C.B				C785	87-010-401-080		CAP,ELECT 1-50V
				C786	87-010-401-080		CAP,ELECT 1-50V
				C789	87-012-275-020		C-CAP,U 1200P-50 B
CN204	87-A60-688-010		CONN, 4P H GRY TUC-P04X-C1	C790	87-012-275-020		C-CAP,U 1200P-50 B
D201	87-A40-786-080		LED, SMLS1BE16WTP4 BLU/UMB	C791	87-010-405-080		CAP,ELECT 10-50V
LED C C.B				C793	87-012-273-020		C-CAP,U 820P-50 B
				C794	87-010-406-080		CAP,ELECT 22-50
				C795	87-010-596-020		CAP,S 0.047-16
CN202	87-A60-688-010		CONN, 4P H GRY TUC-P04X-C1	C796	87-010-403-080		CAP,ELECT 3.3-50V
D203	87-A40-786-080		LED, SMLS1BE16WTP4 BLU/UMB	C799	87-010-829-020		CAP,U 0.047-16
LED D C.B				C812	87-012-286-020		CAP,U 0.01-25
				C820	87-010-260-080		CAP,ELECT 47-25V
				C821	87-012-286-020		CAP,U 0.01-25
TUNER C.B				C822	87-012-286-020		CAP,U 0.01-25
				C823	87-012-286-020		CAP,U 0.01-25
				C828	87-010-196-020		CHIP CAPACITOR, 0.1-25
				C829	87-010-196-020		CHIP CAPACITOR, 0.1-25
				C959	87-010-196-020		CHIP CAPACITOR, 0.1-25
C701	87-010-381-080		CAP,ELECT 330-16V	C960	87-010-196-020		CHIP CAPACITOR, 0.1-25
C702	87-010-404-080		CAP,ELECT 4.7-50V	C961	87-012-170-020		C-CAP,U 8P-50 D CH
C703	87-012-286-020		CAP,U 0.01-25	C963	87-010-196-020		CHIP CAPACITOR, 0.1-25
C704	87-012-286-020		CAP,U 0.01-25	CF801	87-008-261-010		FILTER,SFE10.7MA5
C705	87-A10-592-020		C-CAP,S 0.015-50 J B	CF802	87-008-261-010		FILTER,SFE10.7MA5
C706	87-A10-592-020		C-CAP,S 0.015-50 J B	CN701	87-A60-700-010		CONN,13P H GRY TUC-P13X-C1
C709	87-012-195-020		C-CAP,U 100P-50CH	FFE801	A8-8ZA-190-030		8ZA-1 FEUNM
C711	87-010-260-080		CAP,ELECT 47-25V	J801	87-A60-702-010		TERMINAL,ANT 4P CJ-9036
C712	87-010-831-020		C-CAP,U,0.1-16F	L771	87-A50-266-010		COIL,FM DET-2N(TOK)
C714	87-012-286-020		CAP,U 0.01-25	L772	87-A91-110-010		FLTR,PCFJZH-450 (TOK)
C717	87-012-286-020		CAP,U 0.01-25	L981	8Z-ZA1-667-010		COIL,AM PACK4F(TOK)
C719	87-012-286-020		CAP,U 0.01-25	X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C720	87-012-195-020		C-CAP,U 100P-50CH	DECK C.B			
C721	87-012-176-020		CAP,15P	CON1	87-009-352-010		CONN,9P H WHT PH
C722	87-012-176-020		CAP,15P	SFR1	87-024-581-010		SFR,3.3K H KVSF637A
C723	87-012-274-020		CHIP CAP,U 1000P-50B	SOL1	82-ZM1-634-010		SOL ASSY,23K
C725	87-012-274-020		CHIP CAP,U 1000P-50B	SW2	87-A90-248-010		SW,MICRO ESE11SH2CXQ
C727	87-010-196-020		CHIP CAPACITOR, 0.1-25	SW3	87-A90-248-010		SW,MICRO ESE11SH2CXQ
C728	87-010-248-080		CAP,ELECT 220-10V	SW4	87-A90-248-010		SW,MICRO ESE11SH2CXQ
C729	87-012-274-020		CHIP CAP,U 1000P-50B	SW5	87-A90-248-010		SW,MICRO ESE11SH2CXQ
C731	87-012-286-020		CAP,U 0.01-25	SW6	87-A90-248-010		SW,MICRO ESE11SH2CXQ
C733	87-010-987-080		C-CAP,S 1500P-50 CH	W1	86-ZM1-602-110		RBN-CORD,4P 220MM
C734	87-010-987-080		C-CAP,S 1500P-50 CH	DECK MOTOR C.B			
C735	87-010-987-080		C-CAP,S 1500P-50 CH	CON1	87-A60-318-010		CONN,4P H 6216-11
C736	87-010-987-080		C-CAP,S 1500P-50 CH	M1	87-A90-346-010		MOT,RF-500TB/2560
C737	87-A10-592-020		C-CAP,S 0.015-50 J B	SW1	87-036-110-010		SW,MICRO SPPB62
C738	87-A10-592-020		C-CAP,S 0.015-50 J B	HEAD C.B			
C751	87-012-365-020		C-CAP,S 0.027-25VBK	CON101	86-ZM1-605-010		CONN ASSY,AR3
C752	87-012-365-020		C-CAP,S 0.027-25VBK				
C755	87-012-188-020		C-CAP,U 47P-50 CH				
C758	87-012-167-020		C-CAP,U 5P-50 CH				
C763	87-010-829-020		CAP,U 0.047-16				
C764	87-012-337-020		C-CAP,U 56P-50 CH				
C765	87-012-286-020		CAP,U 0.01-25				
C768	87-012-286-020		CAP,U 0.01-25				
C769	87-010-260-080		CAP,ELECT 47-25V				
C770	87-010-829-020		CAP,U 0.047-16				
C771	87-010-383-080		CAP,ELECT 33-25V				
C772	87-010-829-020		CAP,U 0.047-16				

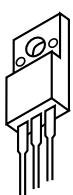
TRANSISTOR ILLUSTRATION



E C B



E C B



B C E



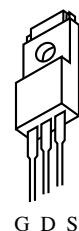
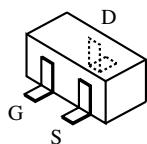
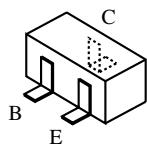
G D S

CC5551
CSA1585
CSC4115
CSD655
KTA1266
KTC3198

DTC114ES
KTC3199

FN1016
FP1016

2SK3053



2SA1235
2SC3052
2SC3326
CMBT5401
CMBT5551
DTA123EKA

KTA1298
RT1N141C
RT1P141C
RT1P144C
RT1P441C
RT1N144C

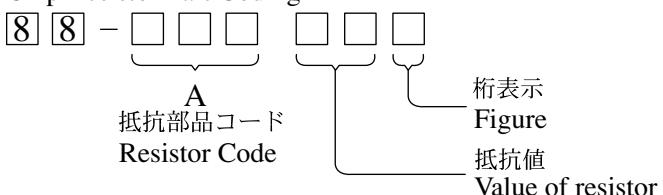
2SK2158

2SK2937

○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

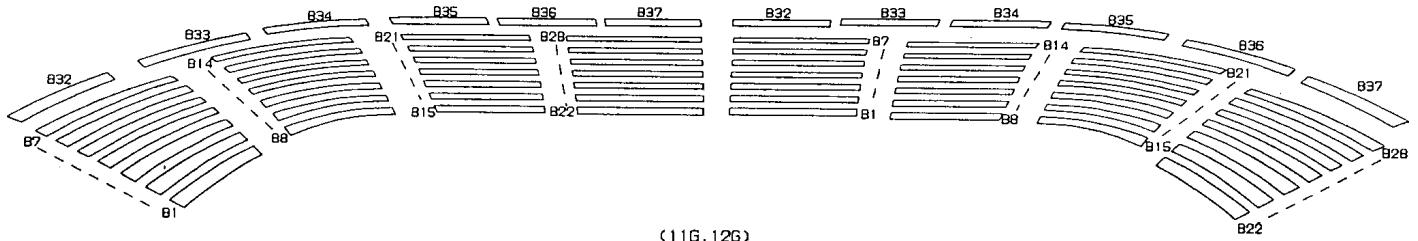
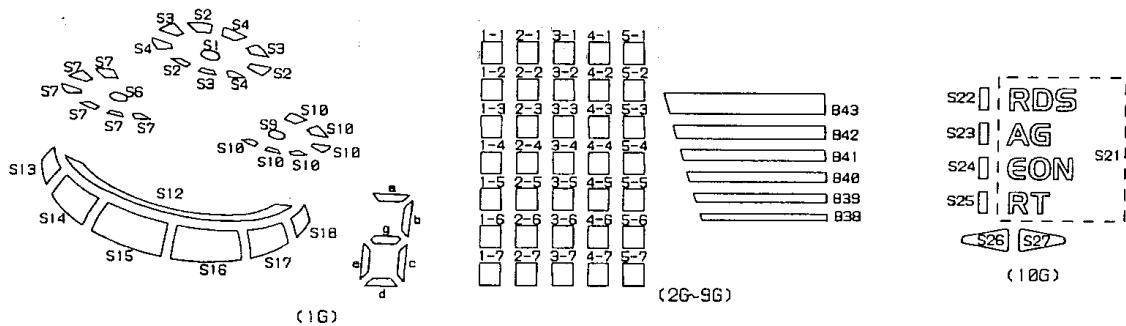
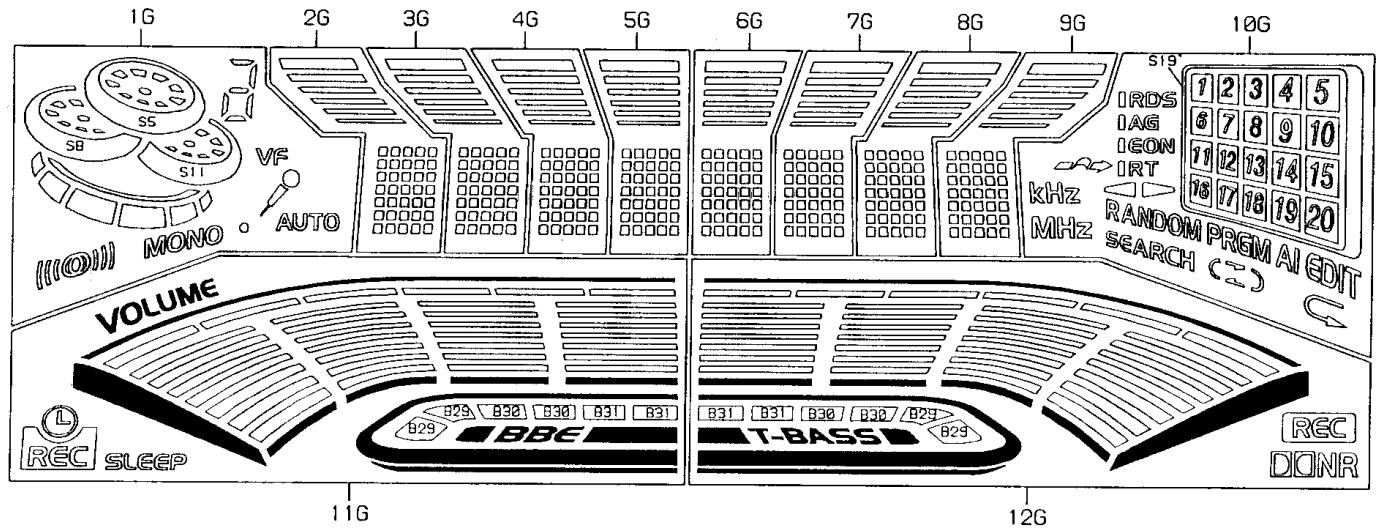


チップ抵抗
Chip resistor

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

FL (BJ741GK) GRID ASSIGNMENT / ANODE CONNECTION

GRID ASSIGNMENT

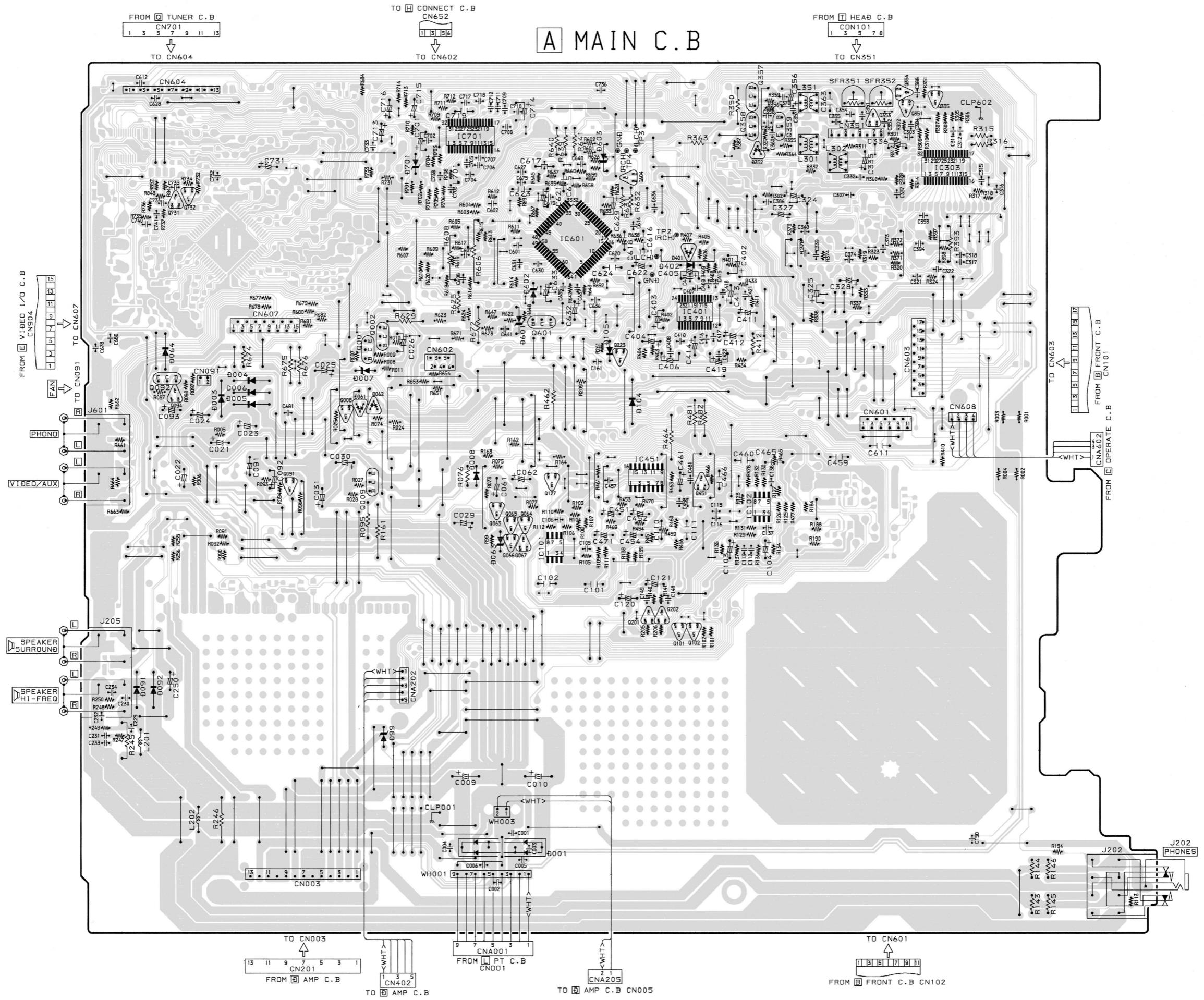


ANODE CONNECTION

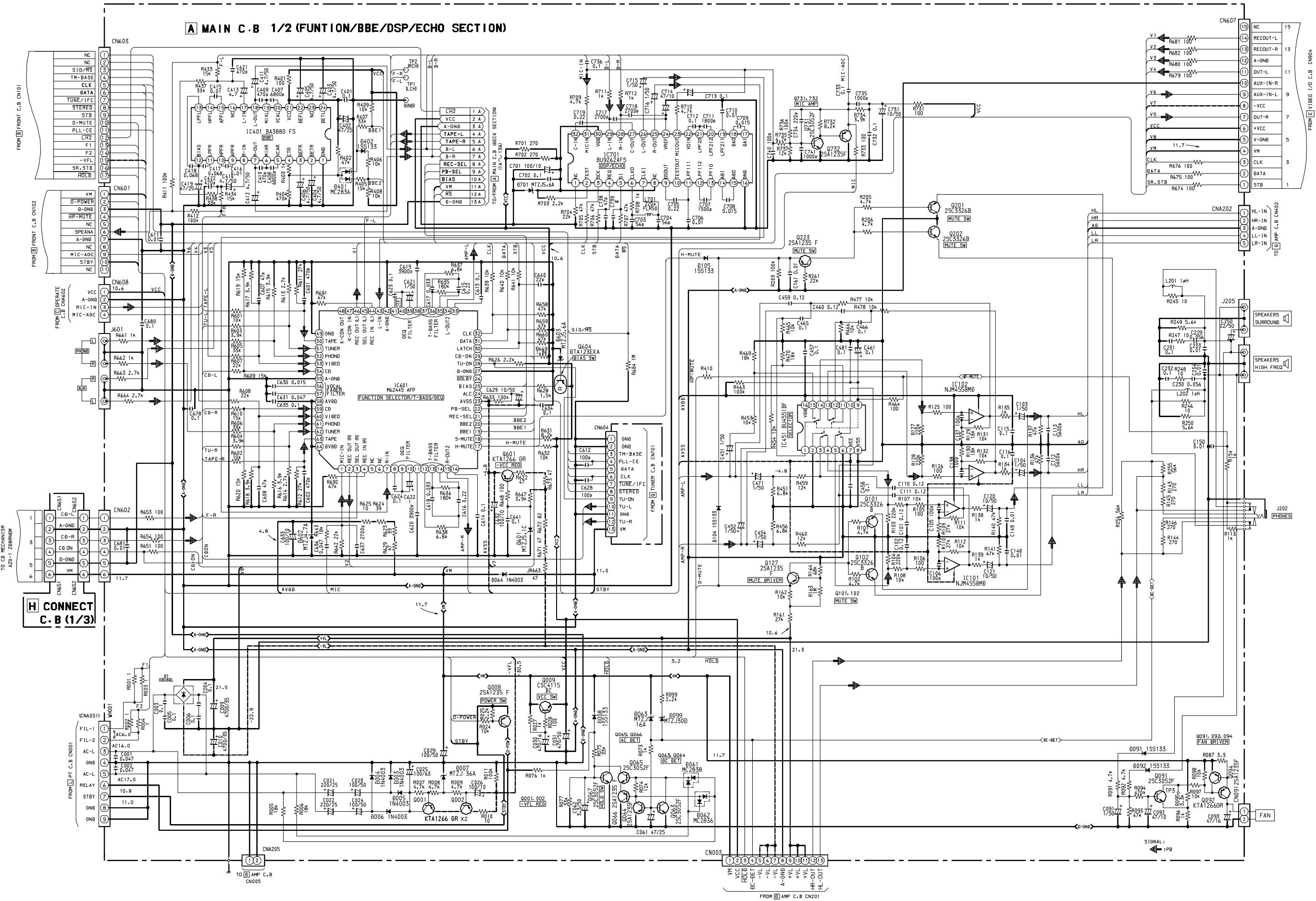
	1G	2G~9G	10G	11G	12G
P1	-	B43	S19	S20	S20
P2	-	B42	1	B29	B29
P3	-	B41	2	B30	B30
P4	-	B40	3	B31	B31
P5	-	B39	4	B1	B1
P6	-	B38	5	B8	B8
P7	-	1-1	6	B15	B15
P8	-	2-1	7	B22	B22
P9	-	3-1	8	B2	B2
P10	-	4-1	9	B9	B9
P11	-	5-1	10	B16	B16
P12	-	1-2	11	B23	B23
P13	-	2-2	12	B3	B3
P14	b	3-2	13	B10	B10
P15	c	4-2	14	B17	B17
P16	e	5-2	15	B24	B24
P17	a, g, d	1-3	16	B4	B4
P18	S1	2-3	17	B11	B11
P19	S4	3-3	18	B18	B18
P20	S3	4-3	19	B25	B25
P21	S2	5-3	20	B5	B5
P22	S5	1-4	S21	B12	B12
P23	S9	2-4	S22	B19	B19
P24	S10	3-4	S23	B26	B26
P25	S11	4-4	S24	B6	B6
P26	S6	5-4	S25	B13	B13
P27	S7	1-5	S26	B20	B20
P28	S8	2-5	S27	B27	B27
P29	S12	3-5	→	B7	B7
P30	S13	4-5	kHz	B14	B14
P31	S14	5-5	MHz	B21	B21
P32	S15	1-6	RANDOM	B28	B28
P33	S16	2-6	PRGM	B32	B32
P34	S17	3-6	A1	B33	B33
P35	S18	4-6	EDIT	B34	B34
P36	VF	5-6	SEARCH	B35	B35
P37	KEY	1-7	C	B36	B36
P38	AUTO	2-7	D	B37	B37
P39	O	3-7	E	SLEEP	DONE
P40	MONO	4-7	F	(L)	REC
P41	WAV	5-7	-	REC	-

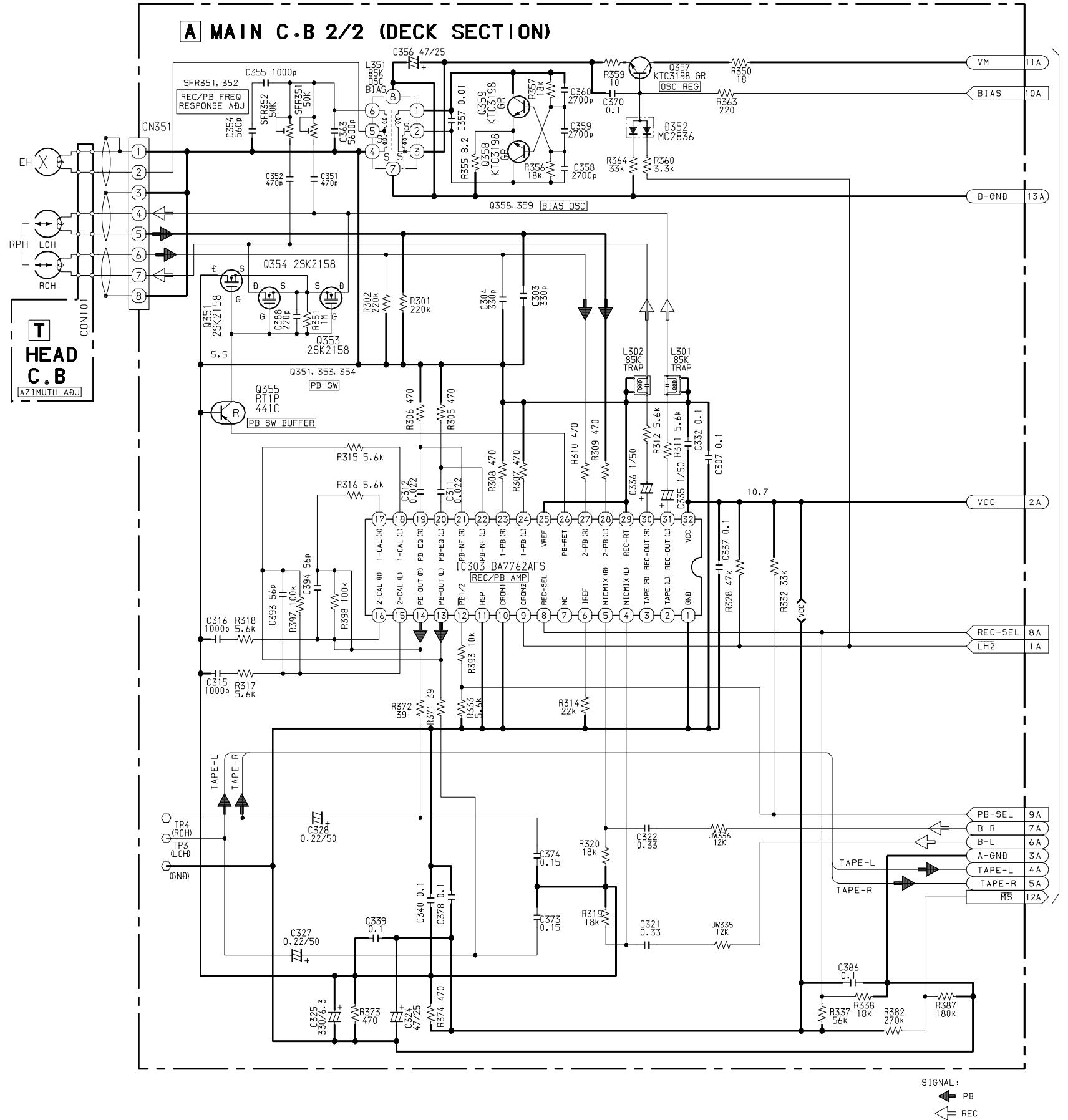
WIRING - 1 (MAIN)

| 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 |



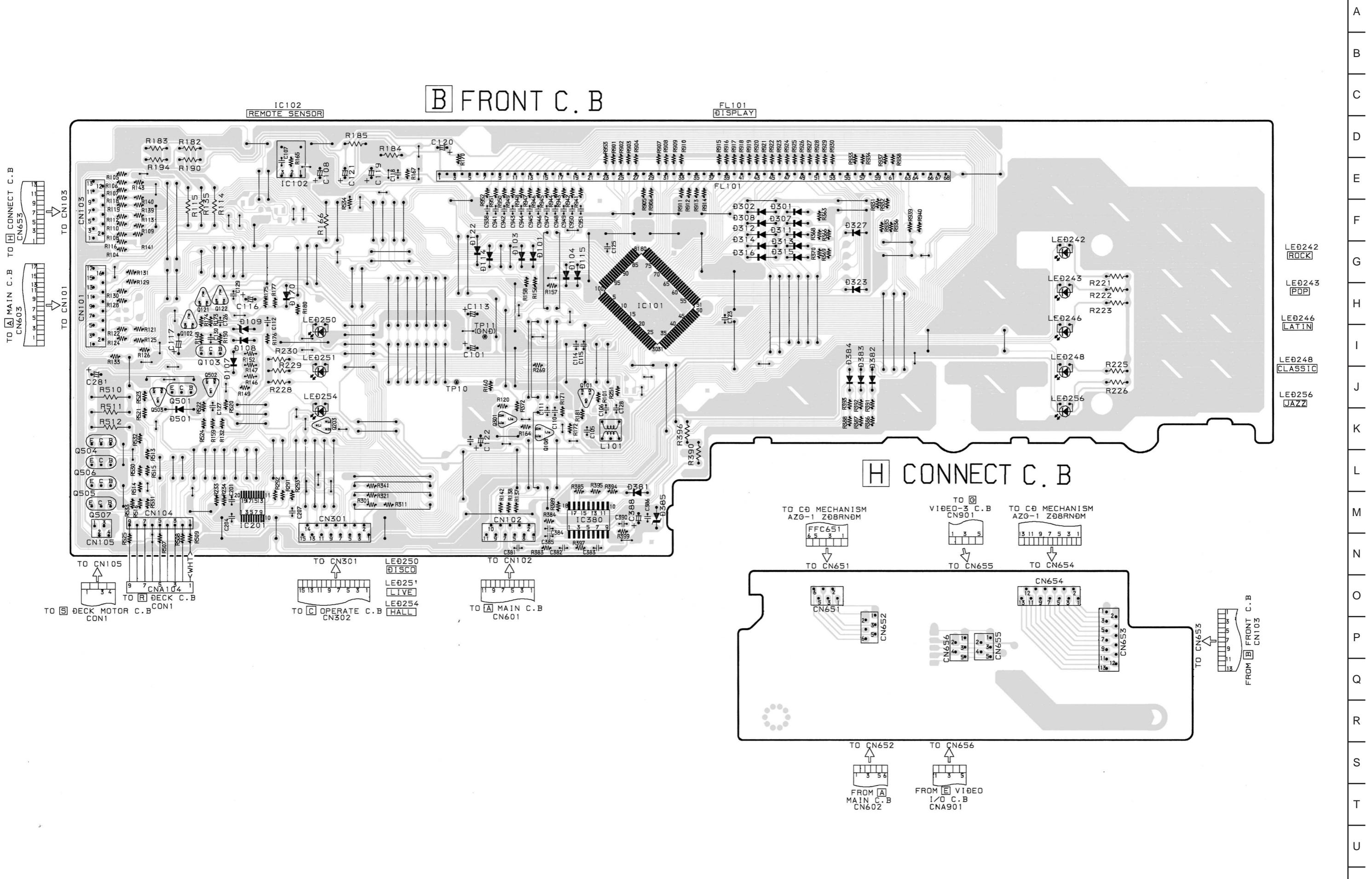
SCHEMATIC DIAGRAM –1 (MAIN 1 / 2 : FUNCTION / BBE / DSP / ECHO / CONNECT1/3)

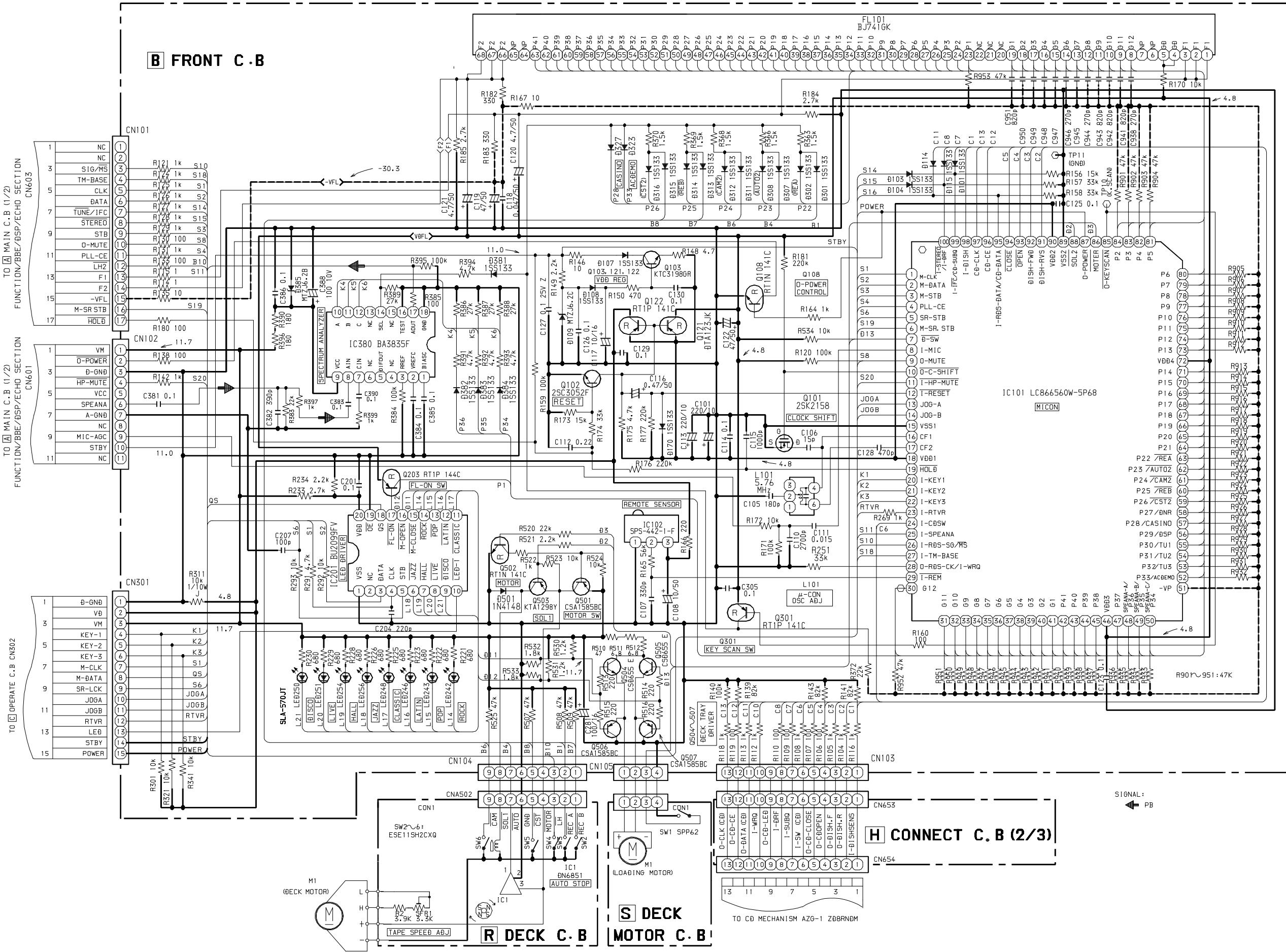




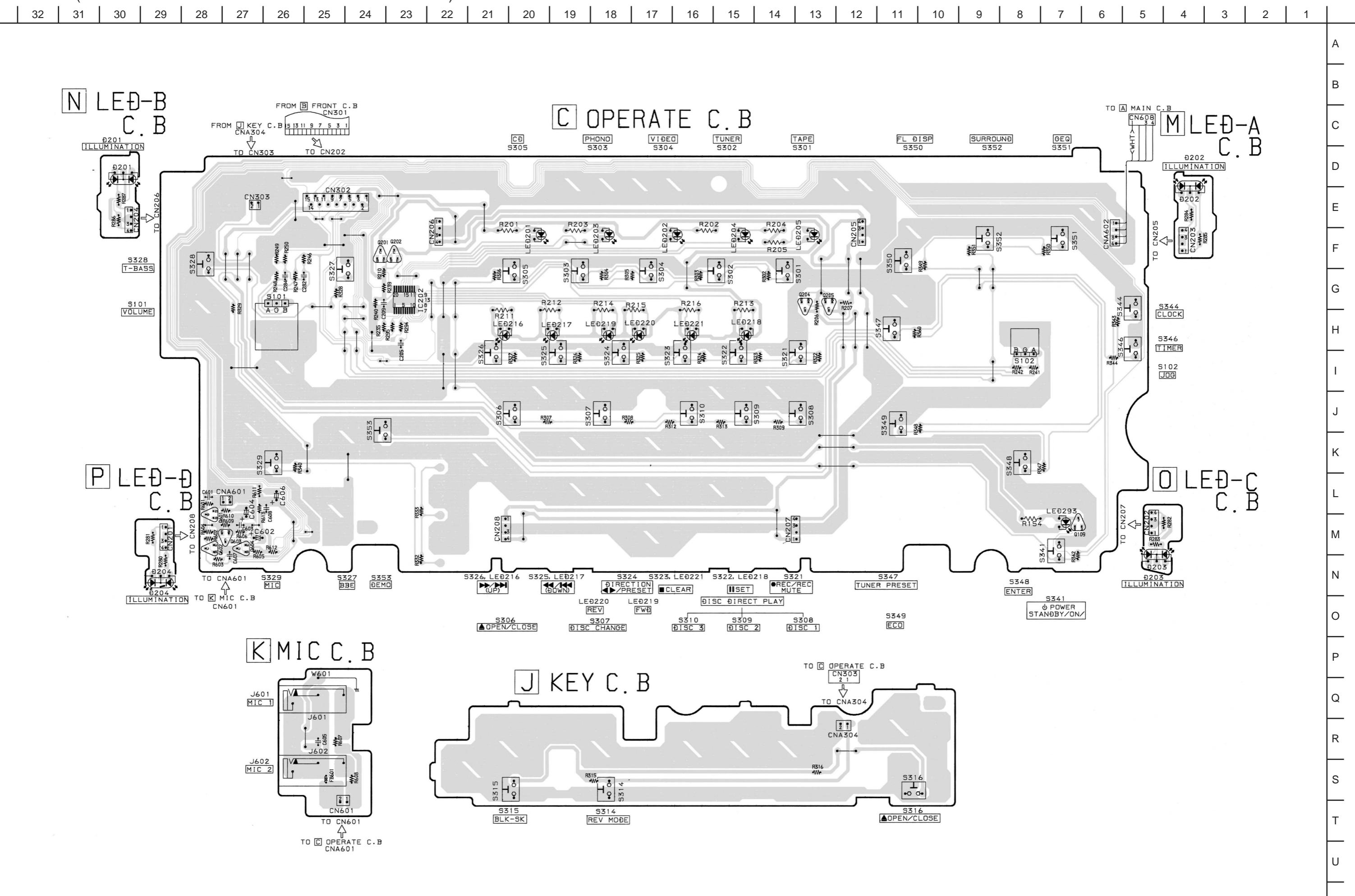
WIRING - 2 (FRONT / CONNECT)

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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---	---	---	---	---	---	---

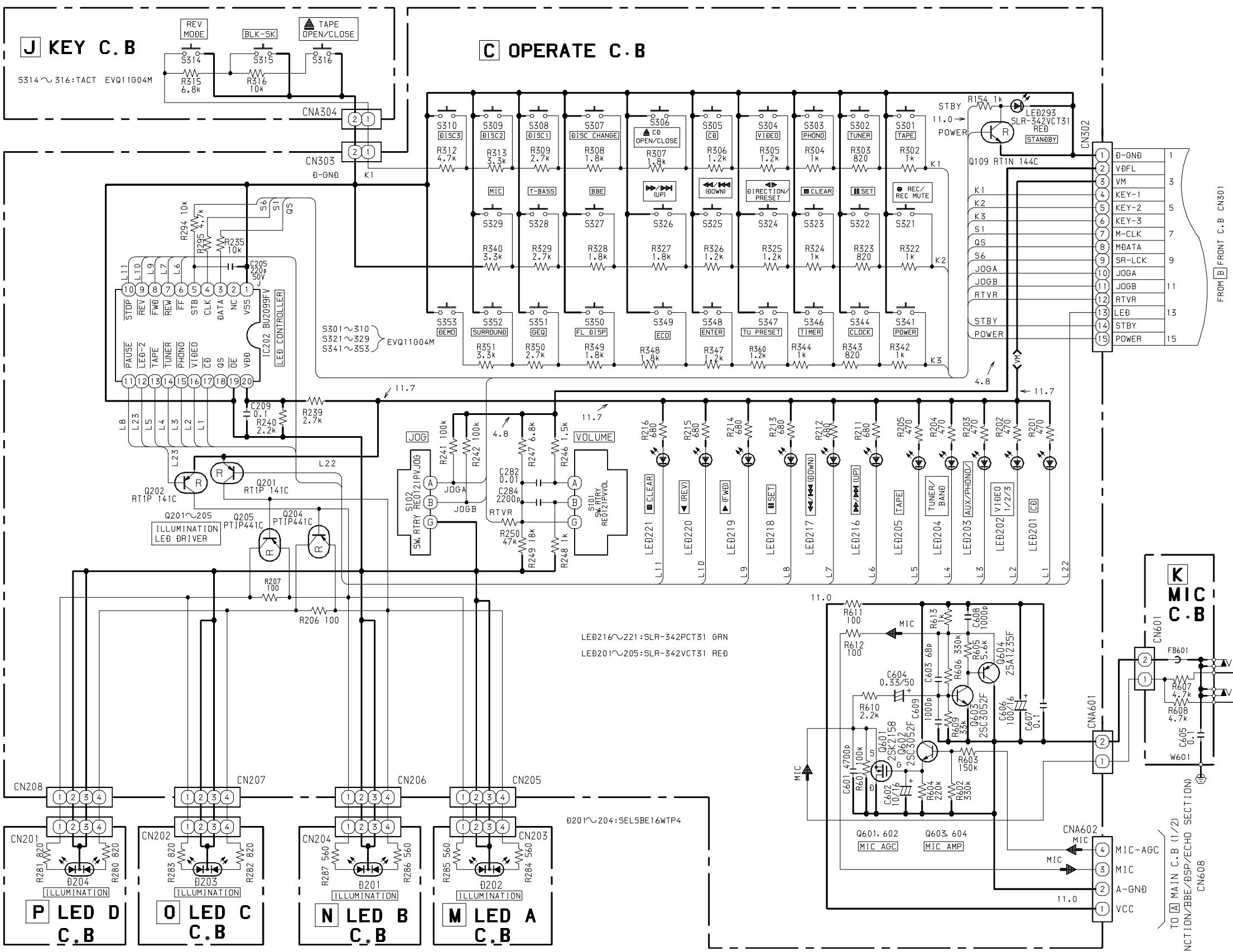




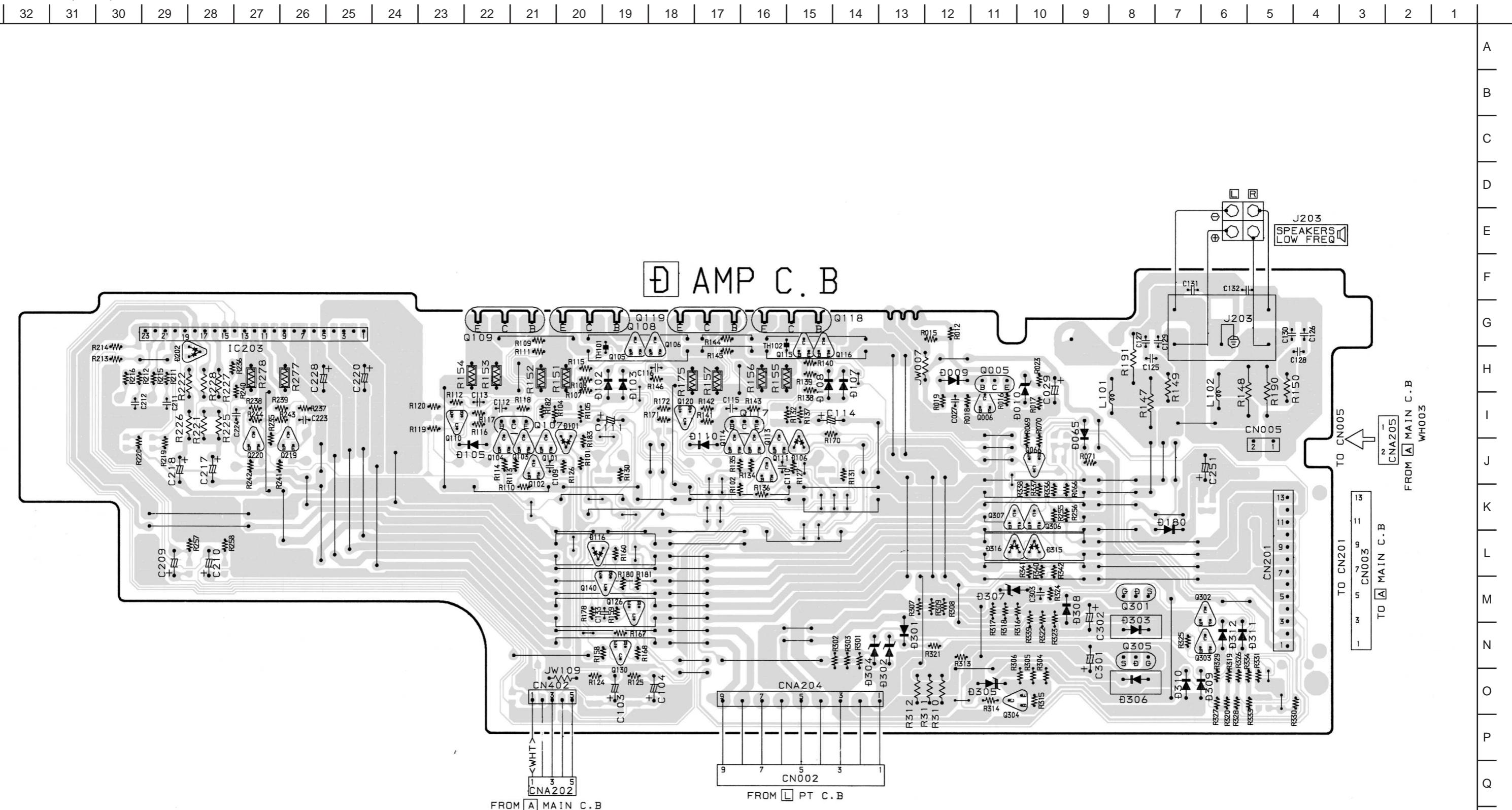
WIRING - 3 (OPERATE / KEY / MIC / LED-A / LED-B / LED-C / LED-D)



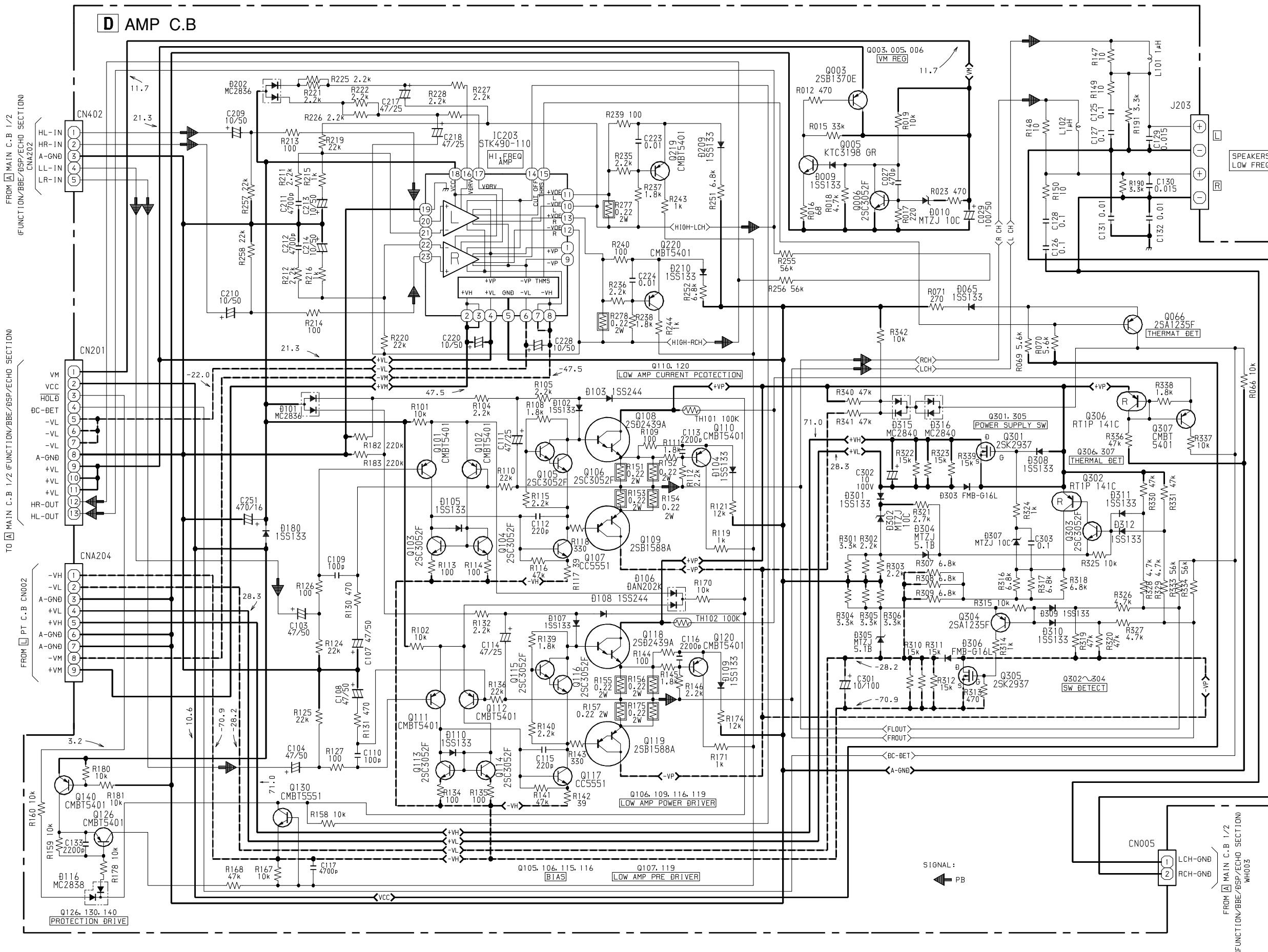
SCHEMATIC DIAGRAM -4 (OPERATE / KEY / MIC / LED-A / LED-B / LED-C / LED-D)



WIRING - 4 (AMP)



SCHEMATIC DIAGRAM -5 (AMP)



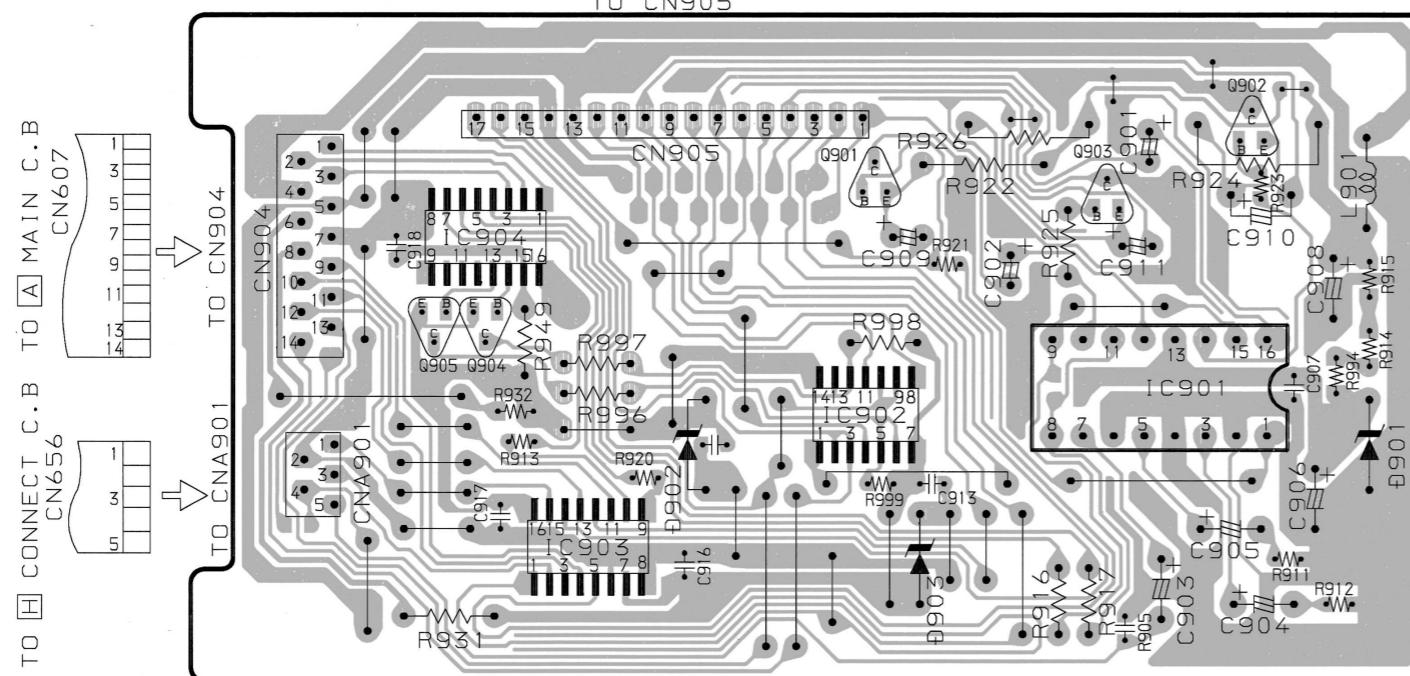
WIRING - 5 (VIDEO I/O / VIDEO JACK / VIDEO-3)

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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---	---	---	---	---	---	---

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U

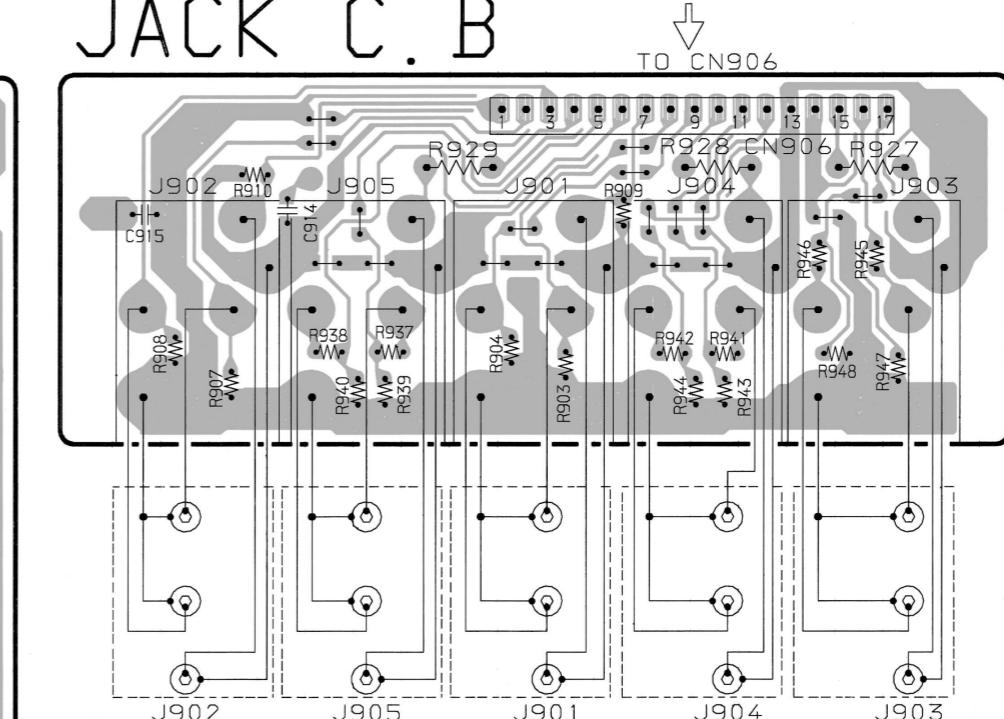
FROM [E] VIDEO JACK C.B
CN906
17 15 13 11 9 7 5 3 1

E VIDEO
I/O C.B



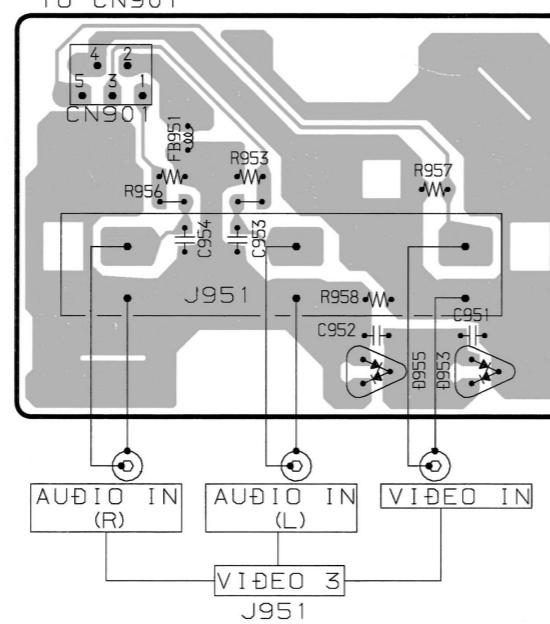
F VIDEO
JACK C.B

TO [E] VIDEO I/O C.B
CN905
1 3 5 7 9 11 13 15 17



FROM [H] CONNECT C.B
CN655
5 3 1

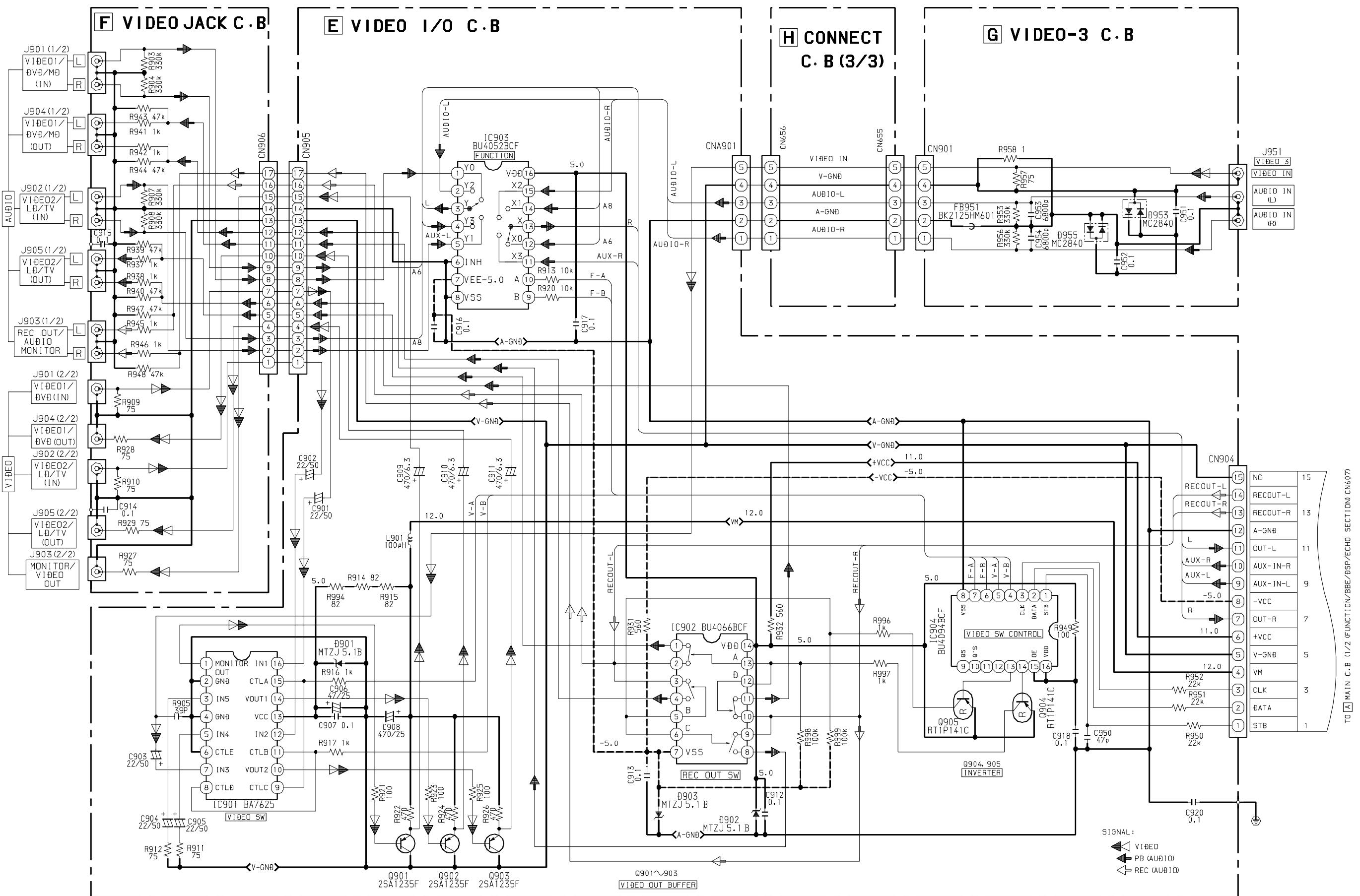
G VIDEO-3
C.B



	VIDEO 2/LĐ/TV	VIDEO 1/ĐVĐ/MĐ	REC OUT/AUDIO MONITOR
AUDIO	IN	OUT	IN
VIDEO	IN	OUT	MONITOR/VIDEO OUT
	VIDEO 2/LĐ/TV	VIDEO 1/ĐVĐ	REC OUT/AUDIO MONITOR
	IN	OUT	IN
	VIDEO 2/LĐ/TV	VIDEO 1/ĐVĐ	MONITOR/VIDEO OUT

J902 J905 J901 J904 J903

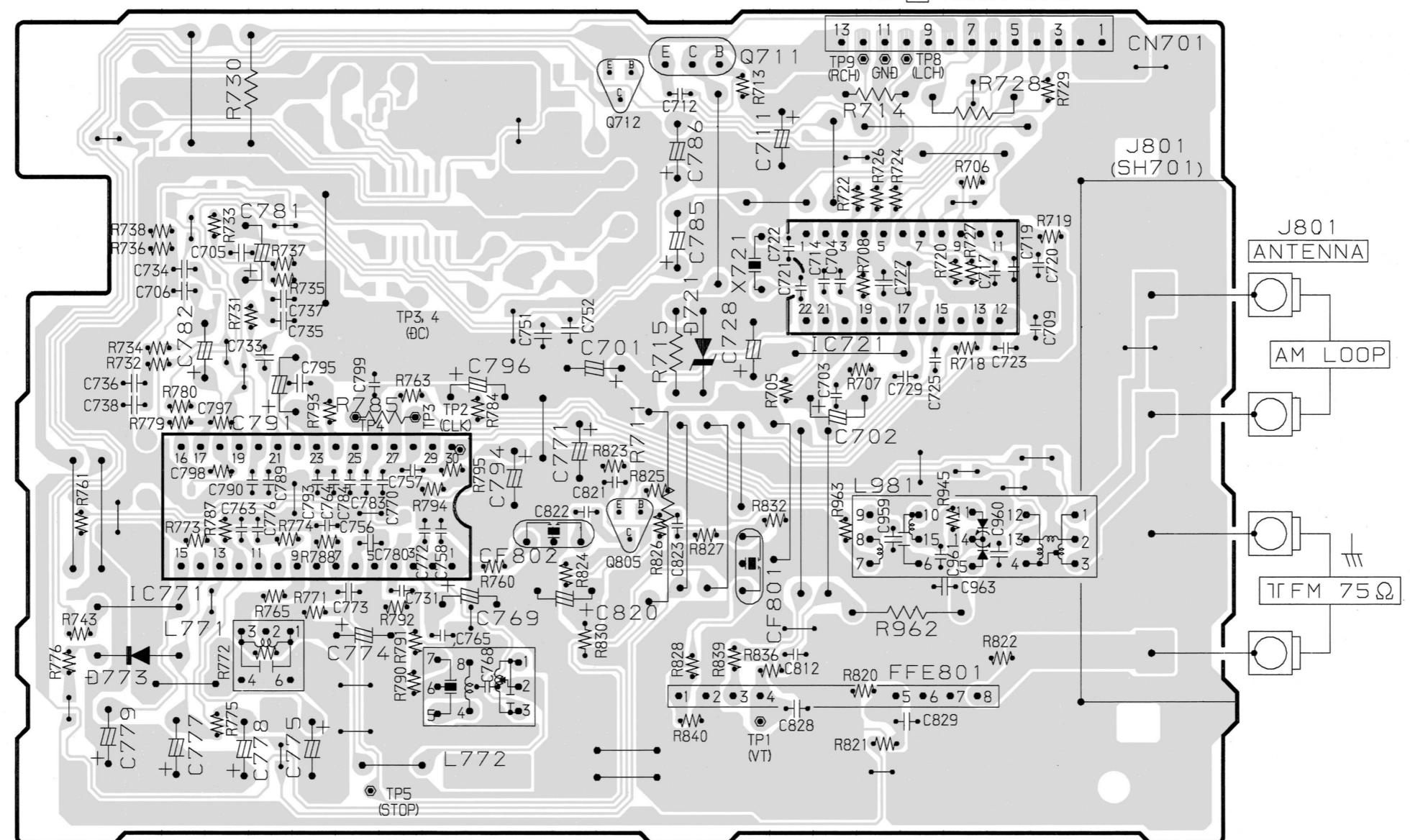
SCHEMATIC DIAGRAM -6 (VIDEO I/O / VIDEO JACK / VIDEO-3 / CONNECT 3/3)



Q

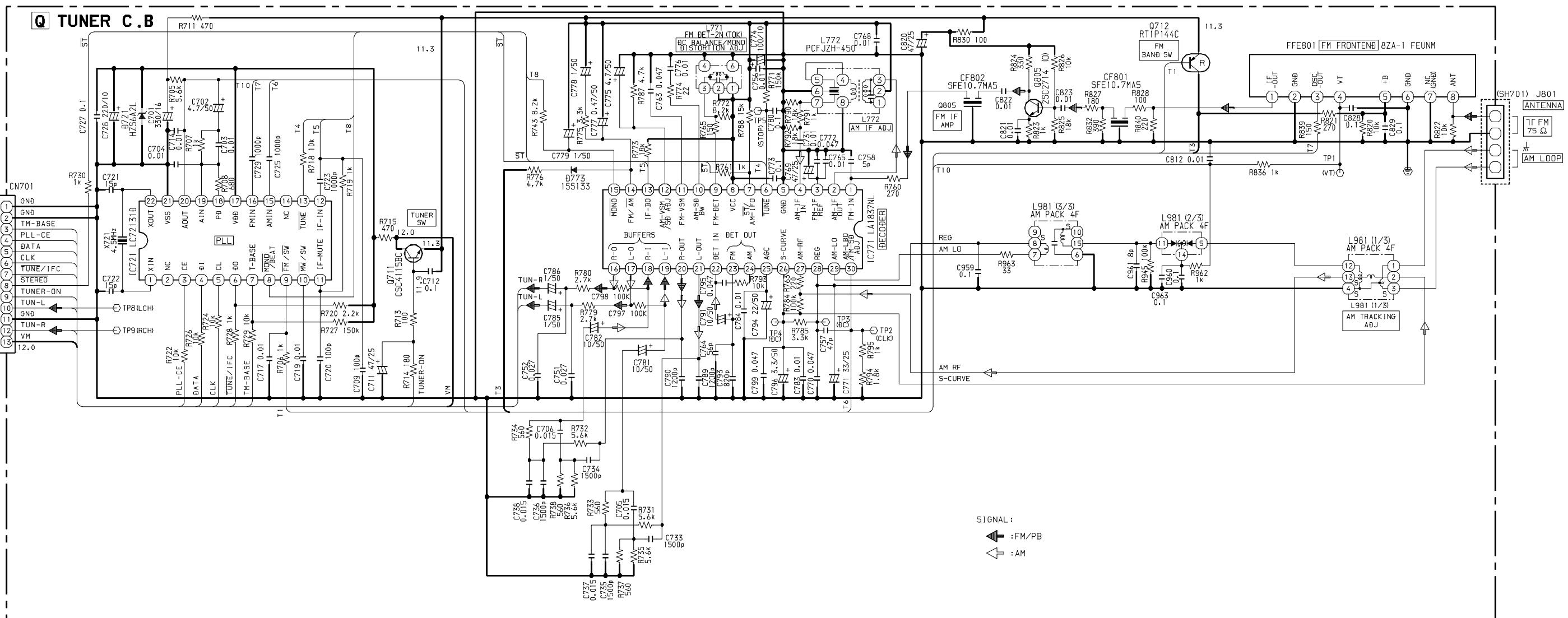
TUNER C. B.

CN604
13 11 9 7 5 3 1
TO [A] MAIN C.B

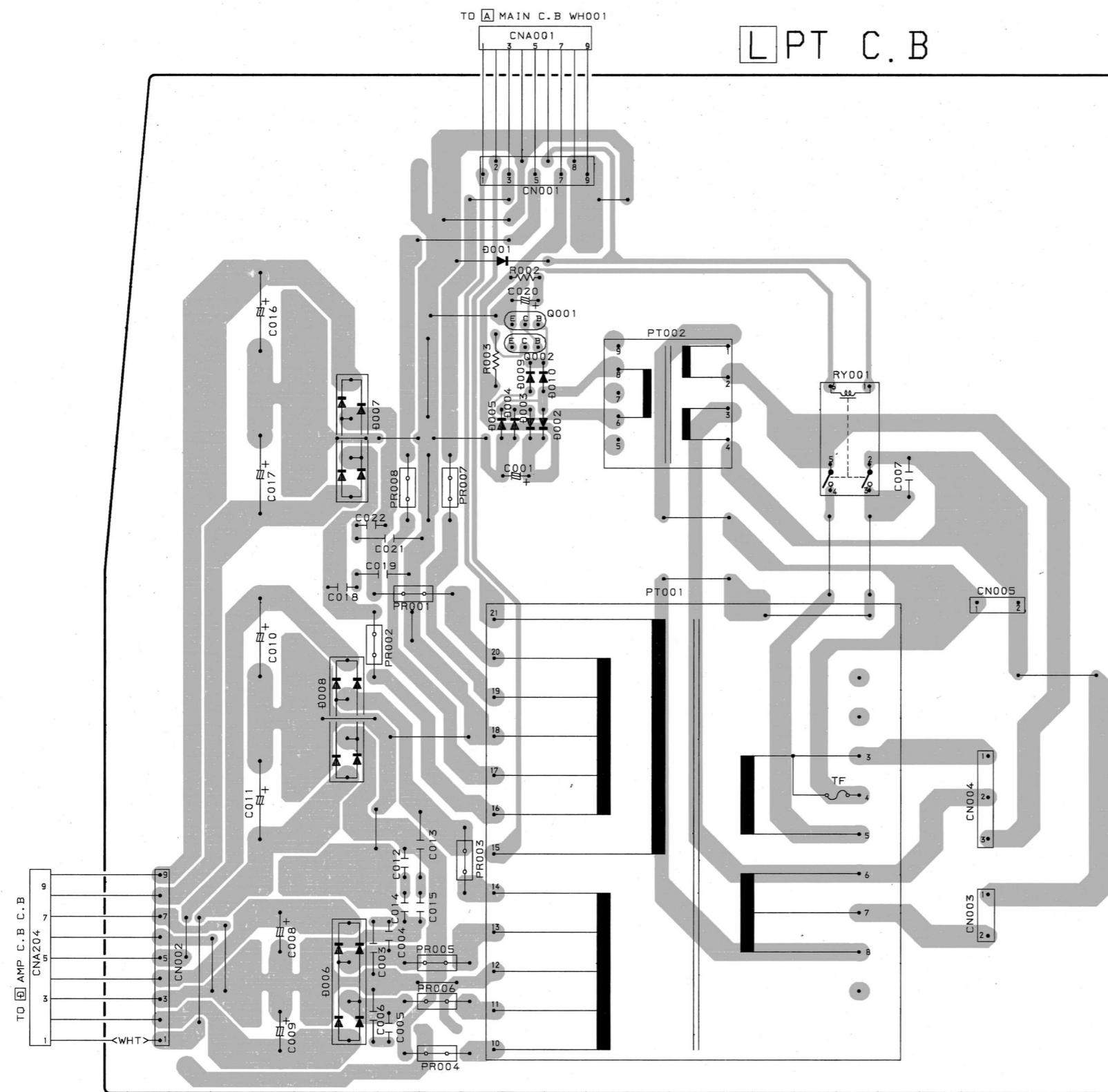


SCHEMATIC DIAGRAM –7 (TUNER)

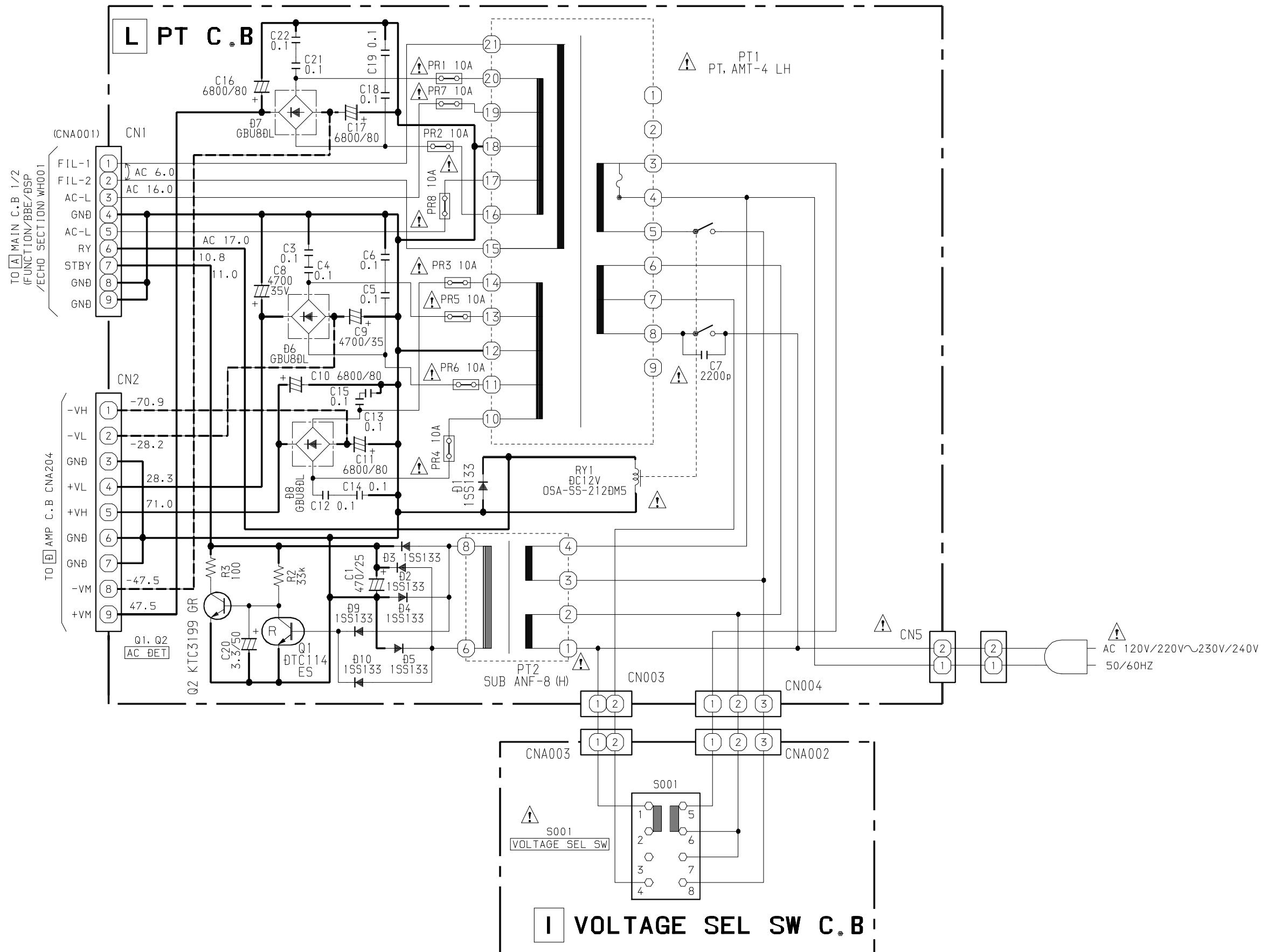
TO **A** MAIN C.B 1/2 (FUNCTION/BBE/BSP/EHCO SECTION CN604



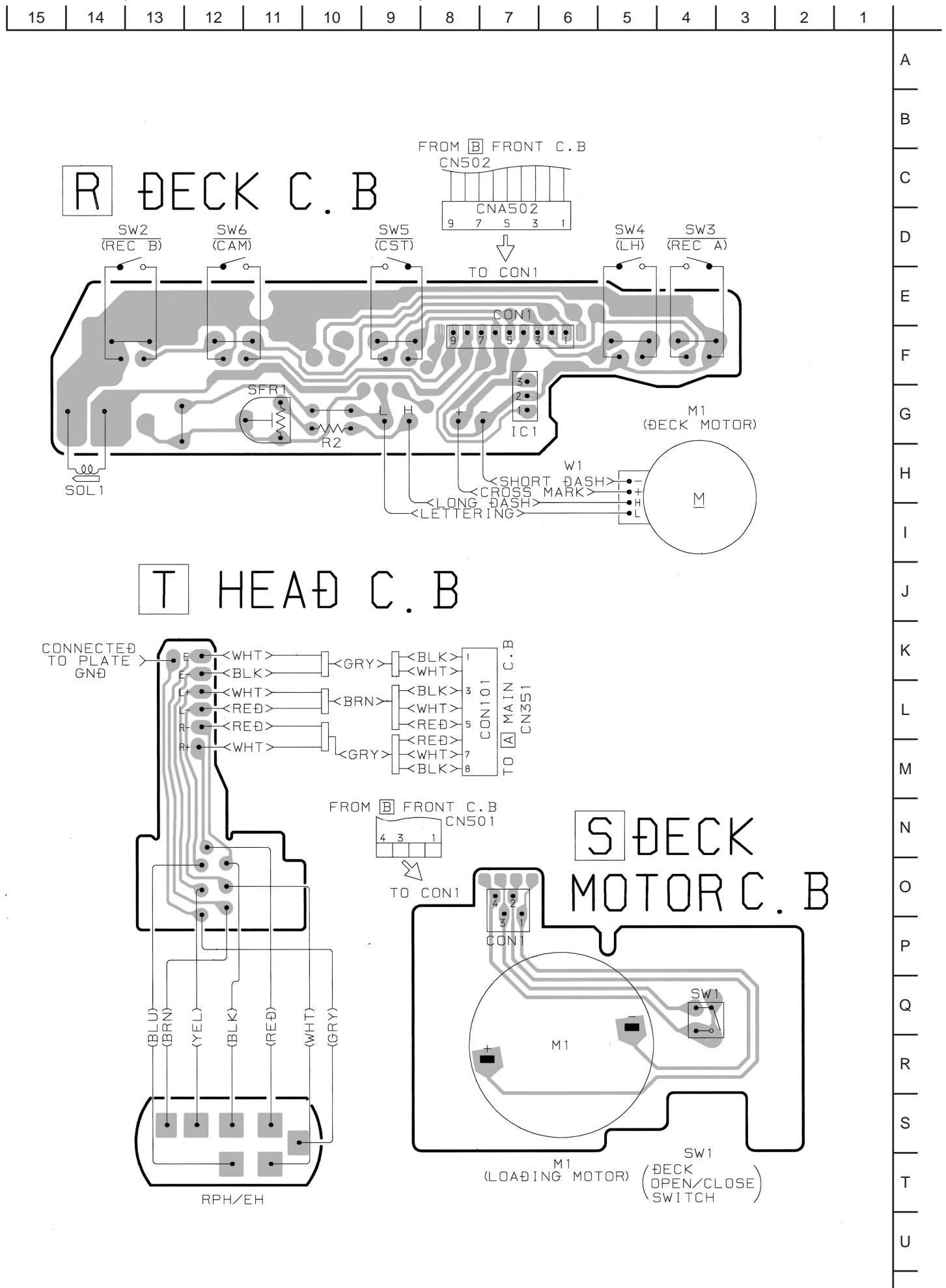
| 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |



- 30 -

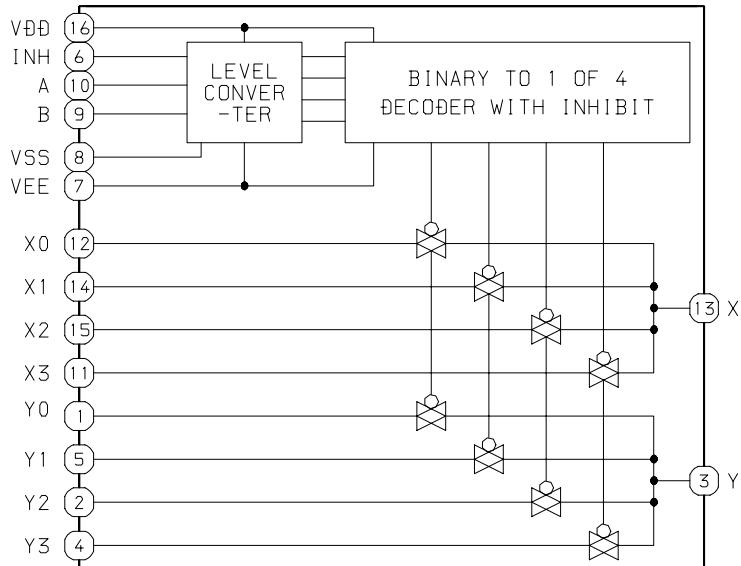


WIRING - 8 (DECK / DECK MOTOR / HEAD)



IC BLOCK DIAGRAM

IC, BU4052BCF

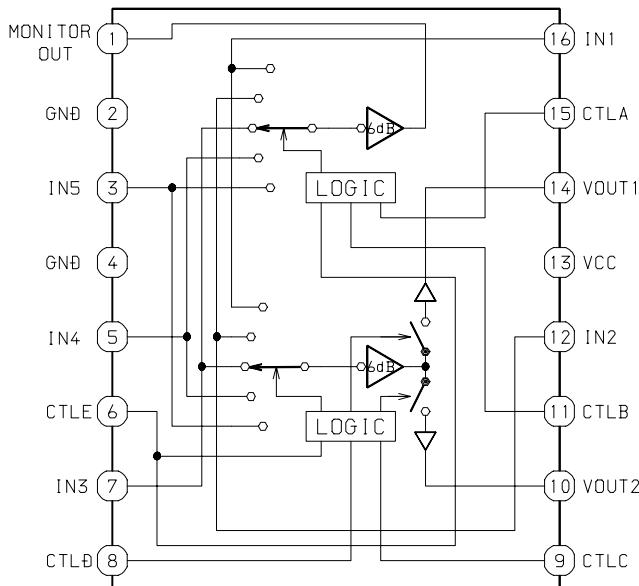


TRUTH TABLE

INHIBIT	A	B	ON SWITCH
L	L	L	X ₀ Y ₀
L	H	L	X ₁ Y ₁
L	L	H	X ₂ Y ₂
L	H	H	X ₃ Y ₃
H	X	X	NONE

X : DON'T CARE

IC, BA7625

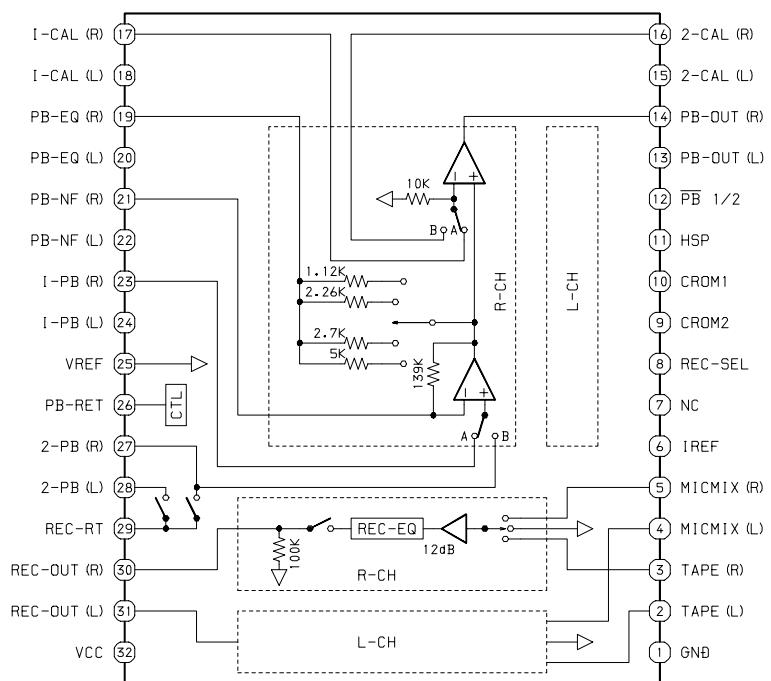
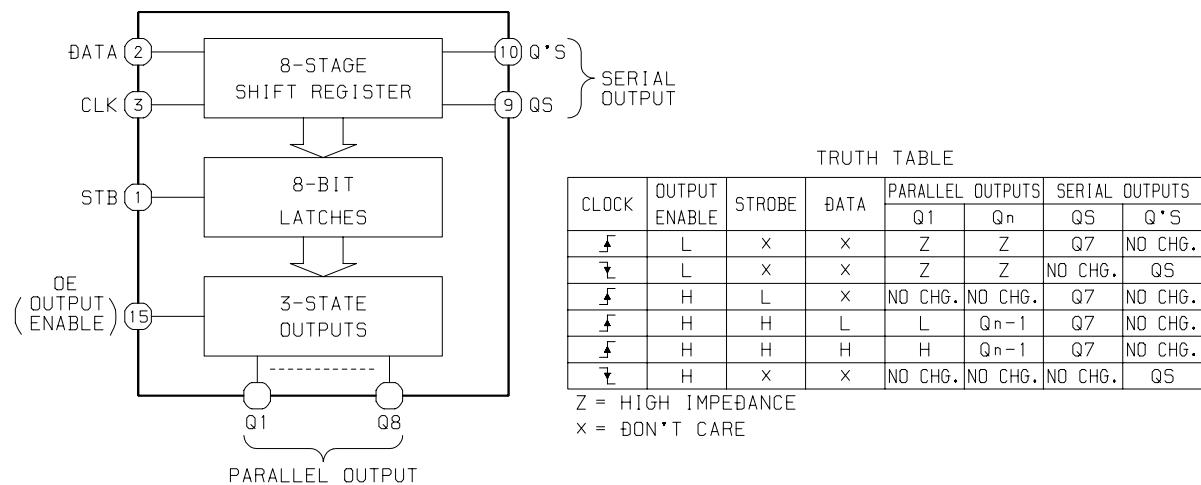


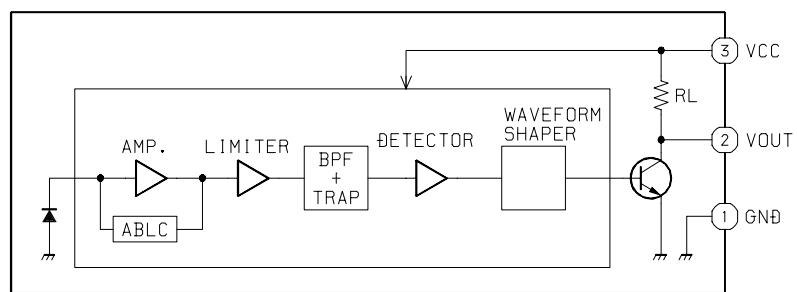
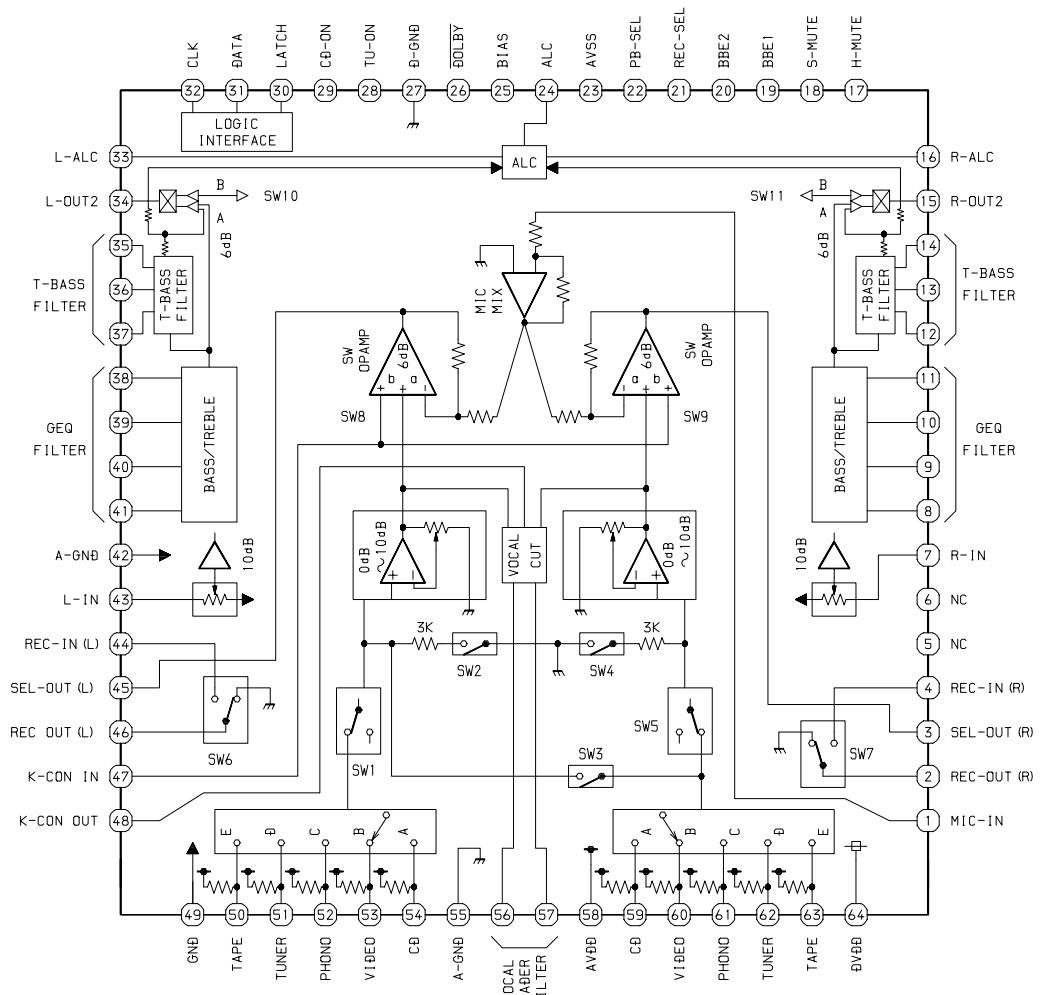
TRUTH TABLE

A	B	E	MONITOR OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

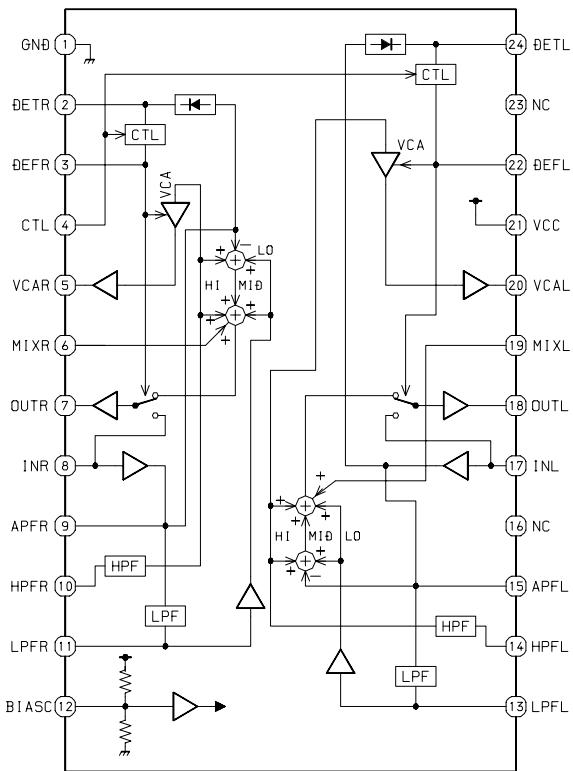
TRUTH TABLE

C	D	E	VOUT1	VOUT2
L	L	*	—	IN1
H	L	*	IN2	—
L	H	*	IN3	IN3
H	H	L	IN4	IN4
H	H	H	IN5	IN5

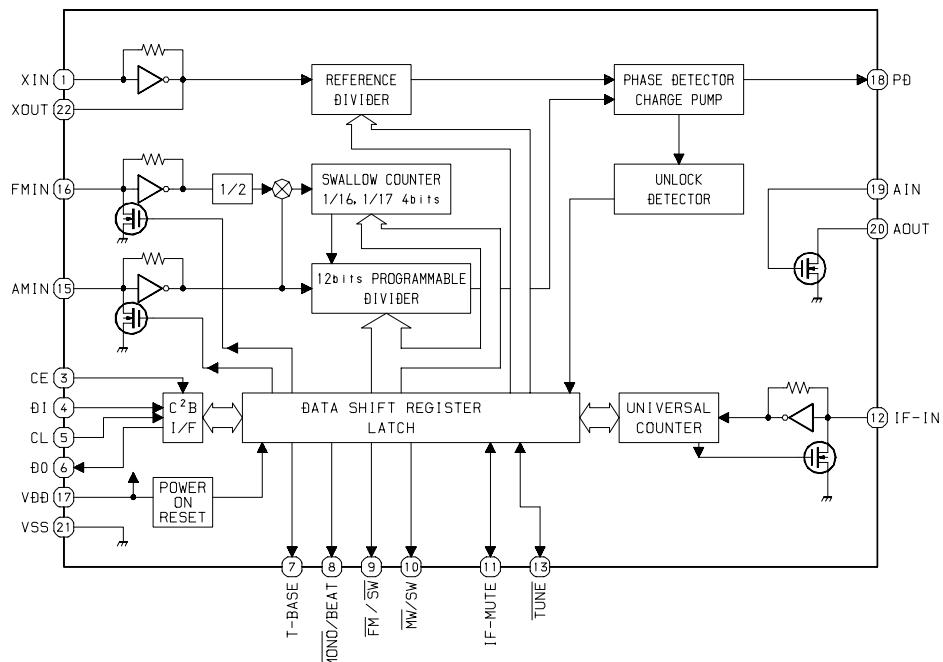




IC, BA3880FS

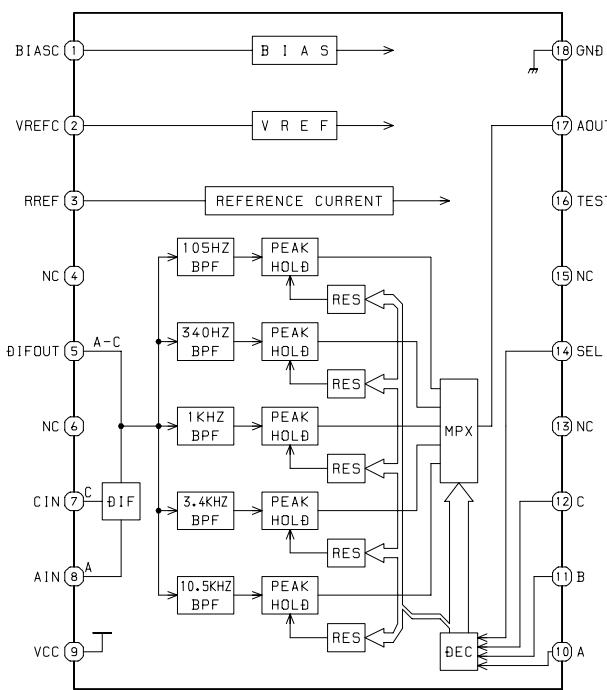


IC, LC72131D

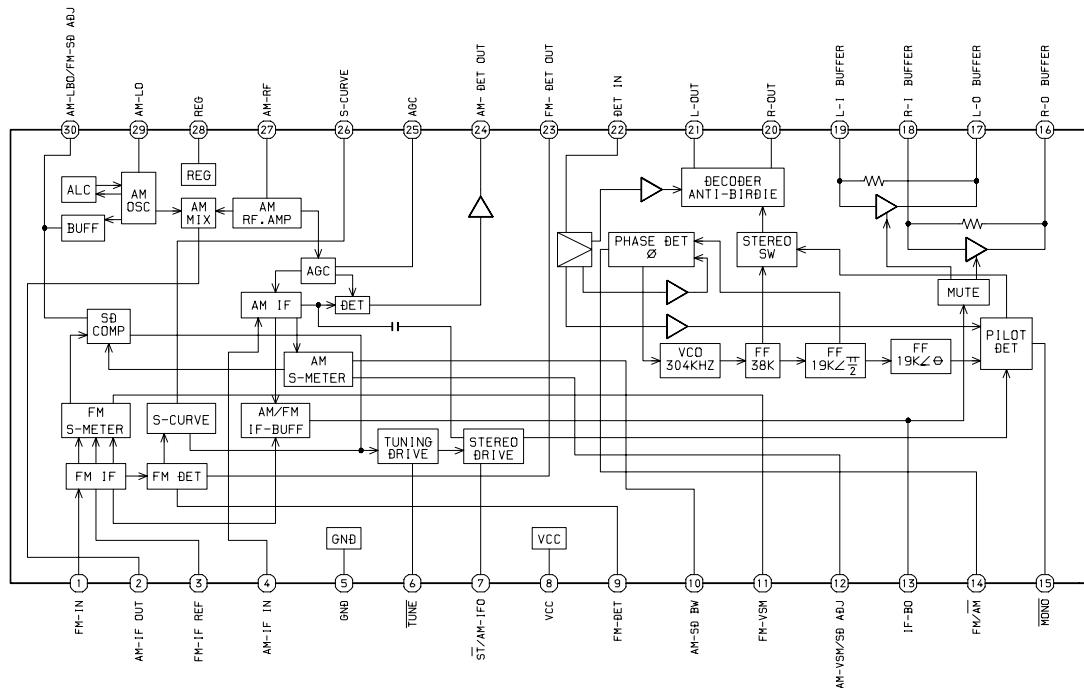


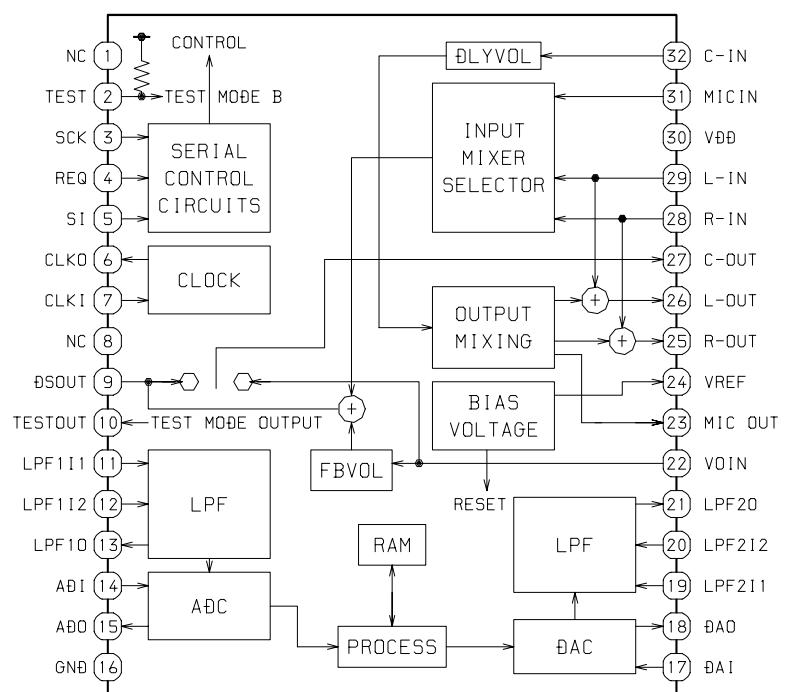
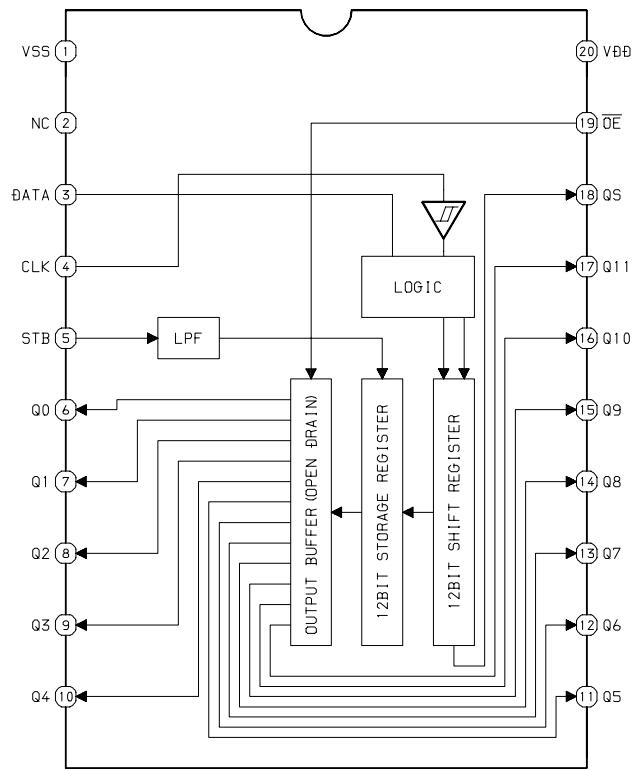
IC, BA3835F

IC, BA3835F



IC, LA1837NL



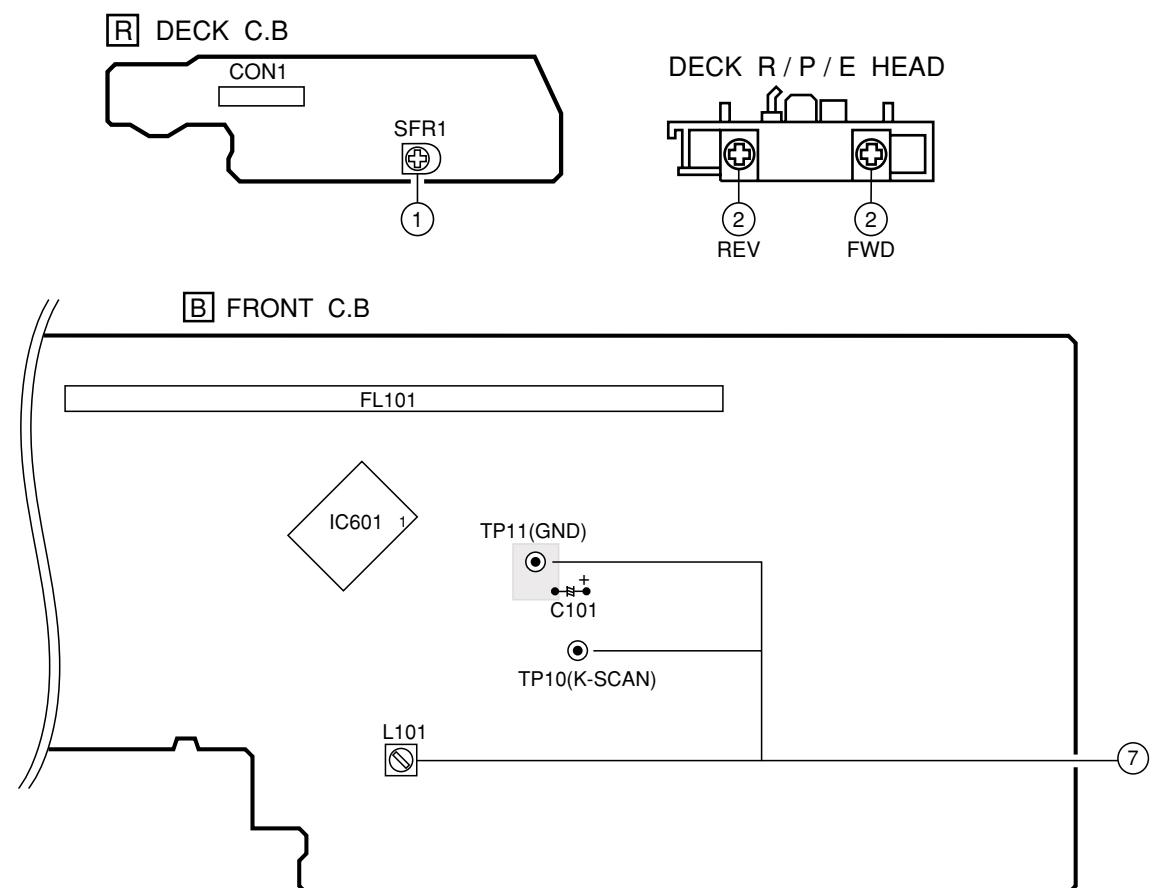
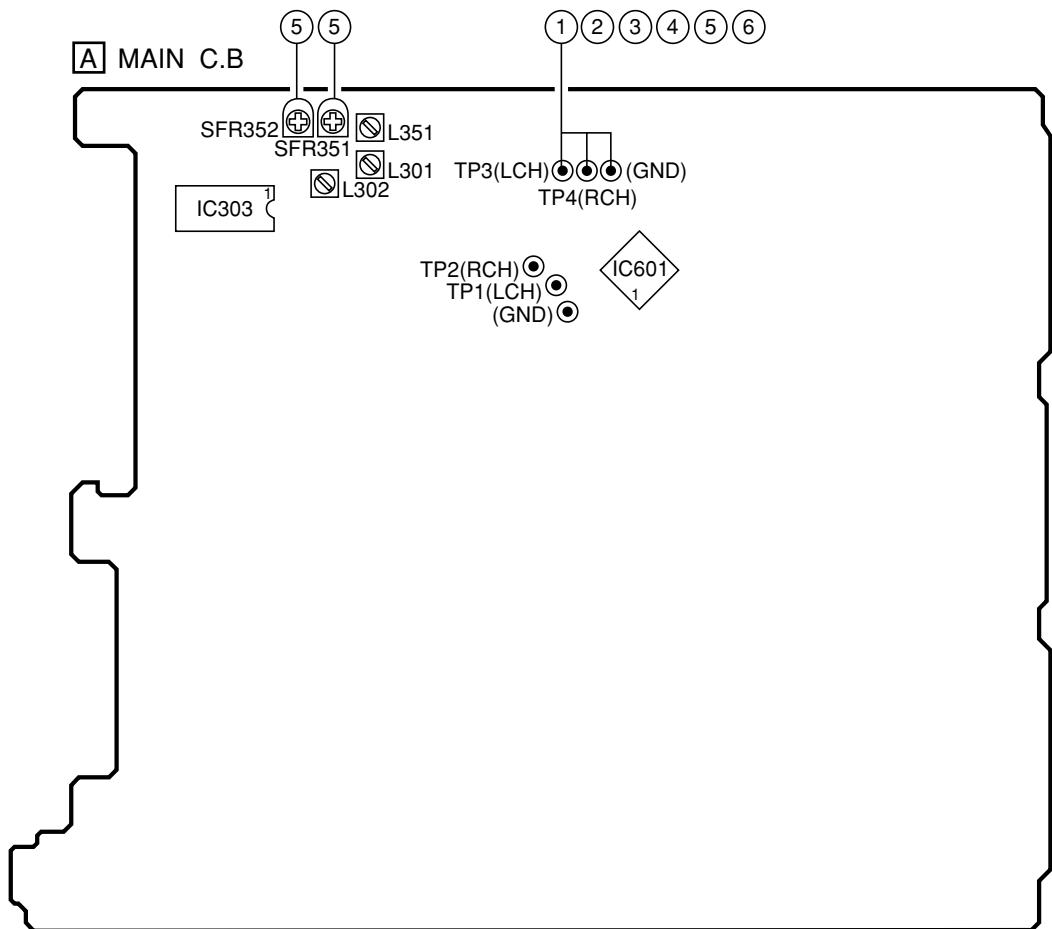


IC DESCRIPTION
IC, LC866560W-5P68

Pin No.	Pin Name	I/O	Description
1	M-CLK	O	Clock output for MAIN, FRONT IC.
2	M-DATA	O	Data output for MAIN, FRONT IC.
3	M-STB	O	Strobe output for MAIN IC.
4	PLL-CE	O	PLL chip enable output.
5	SR-STB	O	Shift register strobe output.
6	M-SR, STB	O	Video switch and shift register strobe output.
7	D-SW	I	Tape deck tray switch input.
8	I-MIC	I	Microphone input detect.
9	O-MUTE	O	System mute ON/OFF output.
10	O-CLK-SHIFT	O	Micon clock shift control.
11	I-HP-MUTE	I	Headphone input detect.
12	I-RESET	I	System reset.
13	JOG-A	I	Rotary encoder A input.
14	JOG-B	I	Rotary encoder A input.
15	VSS1	-	GND.
16	CF1	-	5.76MHz oscillator circuit.
17	CF2	-	5.76MHz oscillator circuit.
18	VDD1	-	Power supply input.
19	HOLD	I	Power failure detected input.
20	I-KEY1	I	KEY input (A/D).
21	I-KEY2	I	KEY input (A/D).
22	I-KEY3	I	KEY input (A/D).
23	I-RTVR	I	Rotary encoder volume input.
24	I-CDSW	I	CD tray position detect.
25	I-SPEANA	I	A/D input for spectrum analyzer display.
26	I-RDS-SG/MS	I	RDS data input (Not used) / MS detect.
27	I-TM-BASE	I	Time base input for clock.
28	I-RDS-CK/I-WRQ	I	RDS clock input (Not used) / CD WRQ input.
29	I-REM	I	System remote control signal input.
30 ~ 41	G12 ~ G1	O	FL grid output G12 ~ G1.
42 ~ 45	P41 ~ P38	O	FL segment output P41 ~ P38.
46	VDD3	-	Power supply input.
47	P37	O	FL segment output P37.
48	P36/O-SPEANA-A	O	FL segment output P36 / Spectrum analyzer input timing control-A.
49	P35/O-SPEANA-B	O	FL segment output P36 / Spectrum analyzer input timing control-B.
50	P34/O-SPEANA-C	O	FL segment output P36 / Spectrum analyzer input timing control-C.
51	-VP	-	Power supply input for FL display.
52	P33/ACDEMO	O/I	FL segment output P33 / DEMO diode detect.
53	P32/TU3	O/I	FL segment output P32 / Tuner band select input 3.
54	P31/TU2	O/I	FL segment output P31 / Tuner band select input 2.
55	P30/TU1	O/I	FL segment output P30 / Tuner band select input 1.
56	P29/DSP	O/I	FL segment output P29 / DSP diode detect.
57	P28/CASINO	O/I	FL segment output P28 / CASINO input to diode.

Pin No.	Pin Name	I/O	Description
58	P27/DNR	O/I	FL segment output P27 / Dolby Noise Reduction diode detect (Not used).
59	P26/CST2	O/I	FL segment output P26 / DECK2 cassette detect switch data input.
60	P25/REB	O/I	FL segment output P25 / DECK2 side-B record OK switch data input.
61	P24/CAM2	O/I	FL segment output P24 / DECK2 CAM switch data input.
62	P23/AUTO2	O/I	FL segment output P23 / DECK2 AUTO STOP switch data input.
63	P22/REA	O/I	FL segment output P22 / DECK2 side A record OK switch data input.
64 ~ 71	P21 ~ P14	O	FL segment output P21 ~ P14.
72	VDD4	-	Power supply input.
73 ~ 84	P13 ~ P2	O	FL segment output P8 ~ P1.
85	O-KEY SCAN	O	Switch scan timing output.
86	MOTOR	O	DECK MOTOR ON/OFF output.
87	O-POWER	O	System power supply ON/OFF output.
88	SOL2	O	DECK2 solenoid output.
89	VSS2	-	GND.
90	VDD2	-	Power supply input.
91	DISH-RVS	O	CD turntable reverse rotation output.
92	DISH-FWD	O	CD turntable forward rotation output.
93	OPEN	O	CD tray open output.
94	CLOSE	O	CD tray close output.
95	I-RDS-DATA/ CD-DATA	I/O	RDS data input (Not used) / CD IC control data output.
96	CD-CE	O	CD chip enable output.
97	CD-CLK	O	CD IC control clock output.
98	I-DISH	I	CD dish position input.
99	I-IFC/CD-SUB Q	I	IF count input / CD SUB-Q input.
100	I-STEREO/I-DRF	I	Stereo detect input / CD DRF input.

ADJUSTMENT<TUNER / 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 $3000\text{Hz} \pm 5\text{Hz}$ (FWD) and FWD SPEED $\pm 45\text{Hz}$ (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 $0\text{dB} \pm 3\text{dB}$.

4. PB Sensitivity Check

Settings : • Test tape : TTA-200
• Test point : TP3 (Lch), TP4 (Rch)

Method : Play back the 400Hz signal of the test tape and adjust SFRs so that the output level at TP3, TP4 is $280\text{mV} \pm 3\text{dB}$.

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 -20VU. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output level of the 10kHz signal becomes $0\text{dB} \pm 1.0\text{dB}$ with respect to that of the 1kHz signal.

6. REC/PB Sensitivity Check

Settings : • Test tape : TTA-602 (NORMAL)
• Test point : TP3 (Lch), TP4 (Rch)
• Input signal : 1kHz (0VU)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP3, TP4 becomes 0VU. Record and play back the 1kHz signal and check that the output level is $0\text{dB} \pm 2.5\text{dB}$.

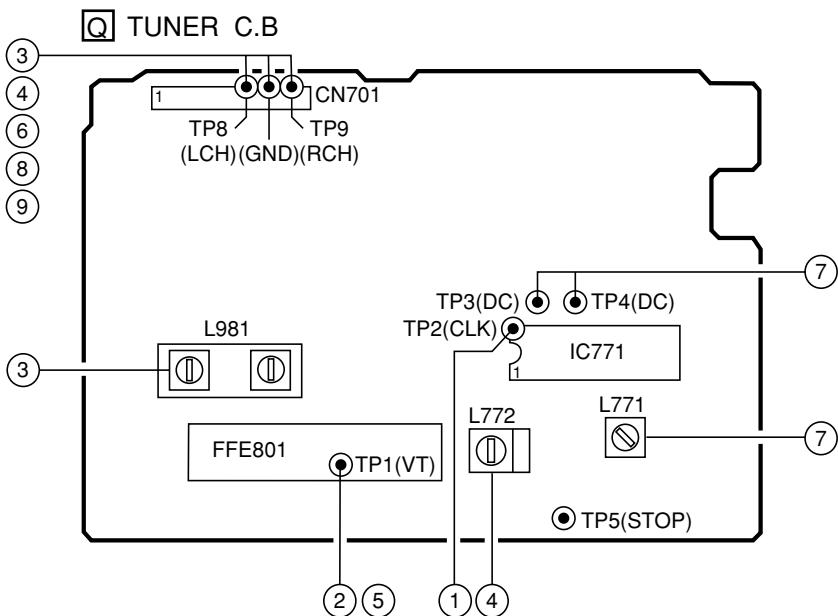
< FRONT SECTION >

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 $141.14\text{Hz} \pm 0.14\text{Hz}$.



< TUNER SECTION >

1. Clock Frequency Check

Settings : • Test point : TP2 (CLK)

Method : Set to AM 1710kHz and check that the test point is $2160\text{kHz} \pm 45\text{Hz}$.

2. AM VT Check

Settings : • Test point : TP1 (VT)

Method : Set to AM 1710kHz and check that the test point is less than 8.5V. Then set to AM 530kHz and check that the test point is more than 0.6V.

3. AM Tracking Adjustment

Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location : L981 (1/3)

Method : Set to AM 1000kHz and adjust L981 (1/3) so that the test point becomes maximum.

4. AM IF Adjustment

Settings : • Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location : L772 450kHz

5. 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.

6. 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 $9\text{dB}\mu\text{V}$.

7. DC Balance / Mono Distortion Adjustment

Settings : • Test point : TP3,TP4 (DC balance)

• Adjustment location : L771

• Input level : $60\text{dB}\mu\text{V}$

Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes $0\text{V} \pm 0.04\text{V}$. Next, check that the distortion is less than 1.3%.

8. Output Level Check

<AM>

Settings : • Test point : TP8 (Lch), TP9 (Rch)

Method : Set to AM 1000kHz and check that the test point is $130\text{mV} \pm 3\text{dB}$.

<FM>

Settings : • Test point : TP8 (Lch), TP9 (Rch)

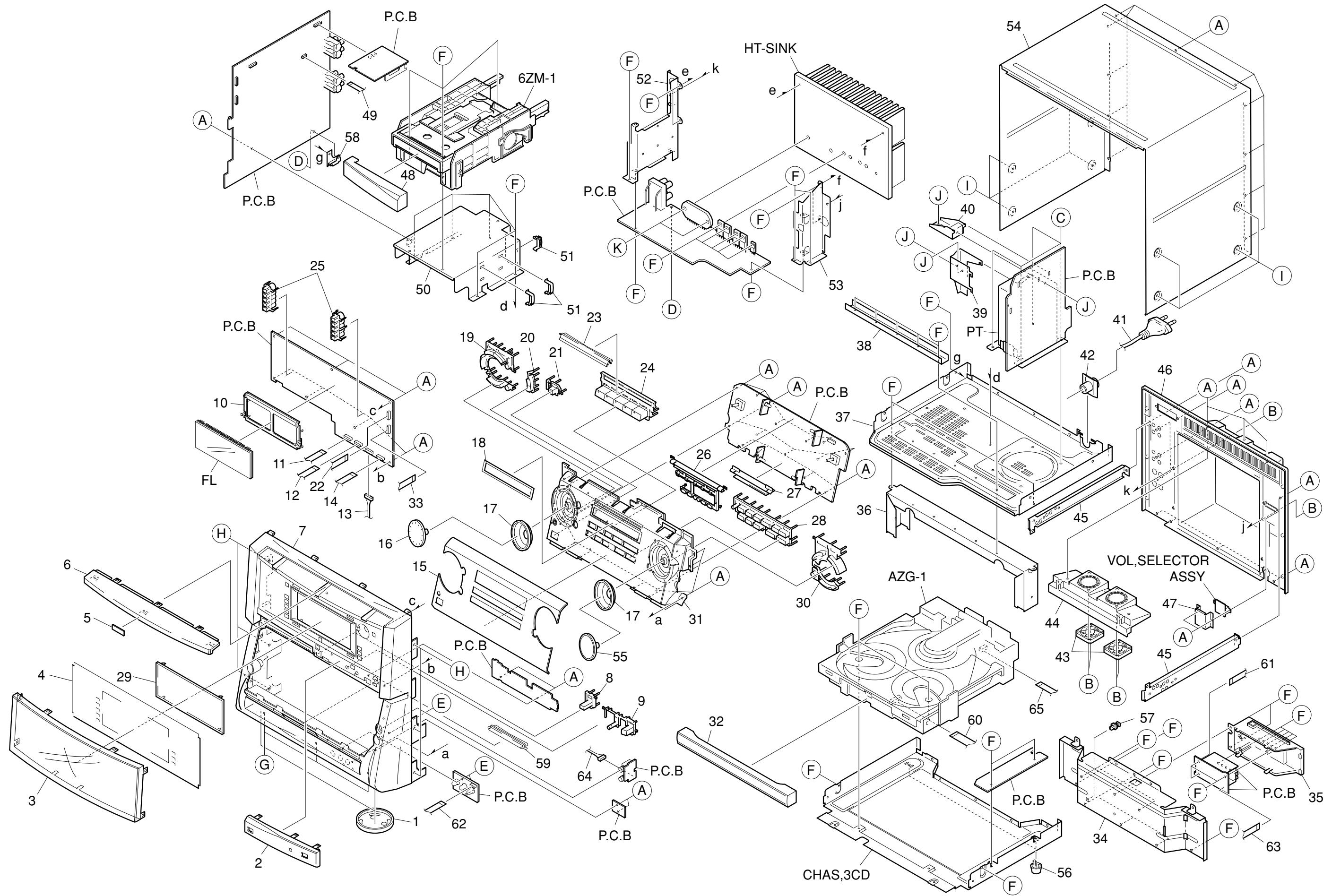
Method : Set to FM 98.0MHz and check that the test point is $520\text{mV} \pm 3\text{dB}$.

9. FM Separation Check

Settings : • Test point : TP8 (Lch), TP9 (Rch)

• Input level : $60\text{dB}\mu\text{V}$

Method : Set to FM 98.0MHz and check that the test point is more than 25dB.



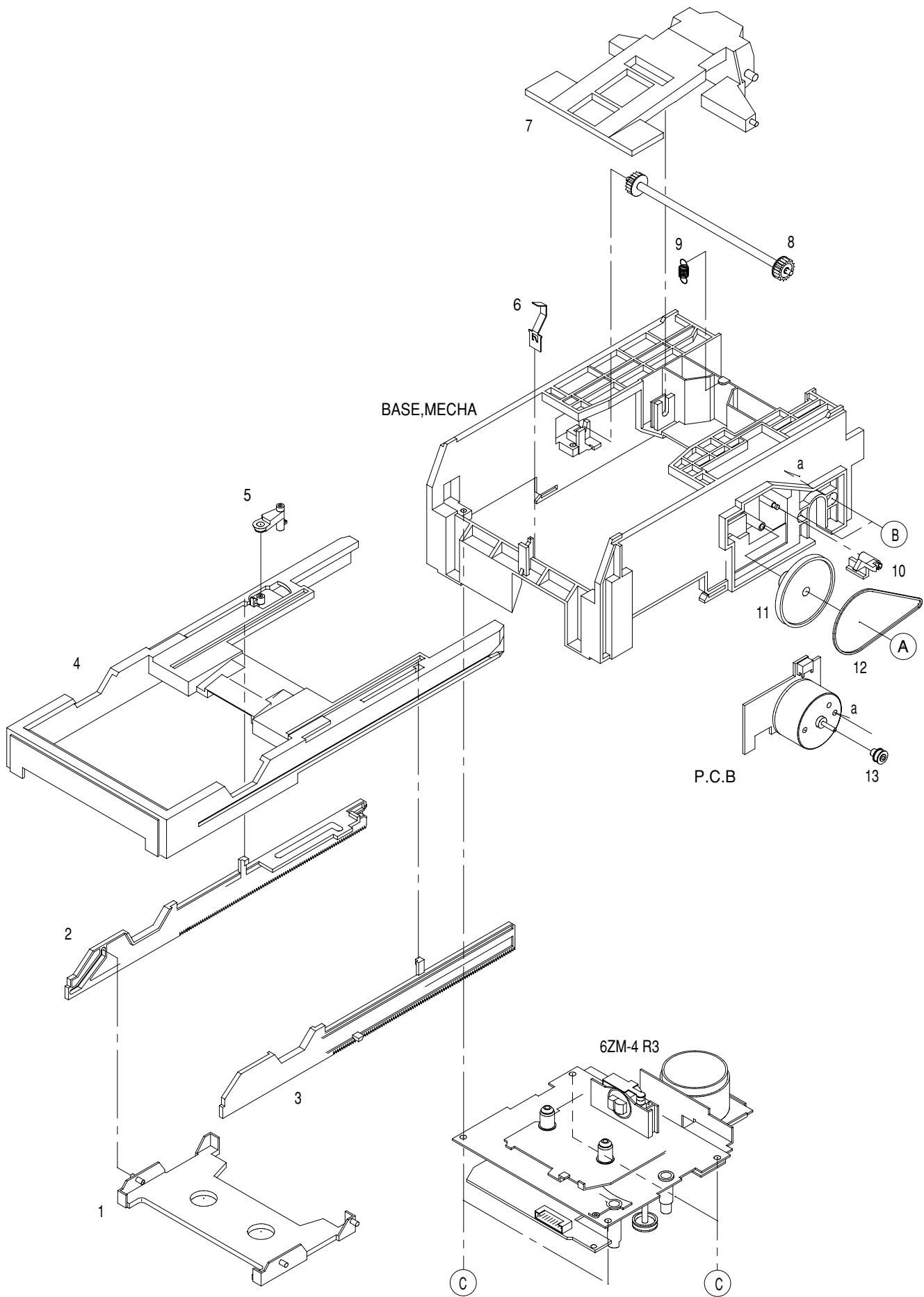
MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	88-NF3-090-010		RING, FOOT	41	86-LB7-694-010		AC CORD SET, KE2 BLK
2	8A-MT4-022-010		PANEL,DOLBY(T4)	42	88-NF9-210-010		BUSHING, CORD-E
3	8A-MT4-023-010		WINDOW,AMP(4 LH)	43	87-A90-796-010		FAN,F614R-12MC-15-300MM
4	8A-MT4-010-010		PLATE,FL	44	8A-MTM-052-010		HLDR, FAN
5	87-B00-002-010		BADGE,AIWA 30 ABS SIL	45	88-MA1-208-110		JOINT,CABI
6	8A-MTM-042-010		PANEL, WINDOW	46	8A-MT4-002-010		CABI, REAR LH
7	8A-MT4-001-010		CABI, FR	47	8A-MTM-218-010		COVER, VOLTAGE
8	8A-MTM-011-010		KEY, OPEN	48	8A-MT4-021-010		PANEL, TRAY DECK (T4)
9	8A-MTM-010-010		KEY, DOLBY	49	88-906-701-110		FF-CABLE 6P 1.25
10	8Z-NF3-210-010		GUIDE, FL	50	8A-MTM-204-010		HLDR, DECK
11	88-911-301-110		FF-CABLE 11P 1.25	51	87-NF4-221-010		HLDR, CABLE
12	88-915-081-110		FF-CABLE 15P 1.25 80MM	52	8A-MTM-207-010		HLDR, HT-SINK B
13	8A-MTM-645-010		CONN ASSY,9P DECK-MACHA	53	8A-MTM-206-010		HLDR, HT-SINK A
14	88-904-401-110		FF-CABLE 17P 1.25	54	8A-MTM-005-010		CABI, STEEL
15	8A-MT4-019-010		PANEL, FR 2 (4 LH)	55	8A-MTM-031-010		KNOB, RTRY VOL
16	8A-MTM-032-010		KNOB, RTRY JOG	56	87-MA3-062-010		FOOT, H17
17	8A-MTM-029-010		RING, VOL	57	84-ZG1-245-210		CAP, OPTICAL
18	8A-MT4-009-010		PLATE, FUN(T4)	58	8A-MTM-205-010		HLDR, PWB MAIN
19	8A-MT4-027-010		KEY, CLOCK	59	8A-MTM-056-010		REFLECTOR, CD
20	8A-MTM-059-010		KEY, PRESET	60	88-913-221-110		FF-CABLE 13P 1.25 220MM
21	8A-MTM-069-010		KEY, ASSY POWER	61	88-915-751-110		FF-CABLE 15P 1.25 750MM
22	88-913-351-110		FF-CABLE 13P 1.25	62	88-905-281-010		FF-CABLE 5P 1.25 280MM
23	8A-MTM-055-010		REFLECTOR, AMP	63	88-905-281-110		FF-CABLE 5P 1.25 280MM
24	8A-MTM-070-010		KEY, ASSY FUN	64	8Z-MA1-614-010		CONN ASSY, 2P V60MM
25	8A-MT4-202-010		GUIDE, GEQ	65	88-906-231-110		FF-CABLE 6P 1.25 230MM
26	8A-MTM-212-010		GUIDE, PLAY	A	87-078-060-010		BVT3PB+3-10
27	8A-MTM-214-010		GUIDE, REFLECTOR CD	B	87-067-822-010		BVT2+3-20 W/O SLOT
28	8A-MTM-026-010		KEY, ASSY PLAY	C	87-078-191-010		S-SCREW, IT+4-10
29	8A-MT4-011-010		PLATE, LENS	D	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
30	8A-MTM-020-010		KEY, BBE	E	81-MK1-210-010		S-SCREW, VFT2+3-16
31	8A-MT4-007-010		PANEL, FR (4 LH)	F	87-067-703-010		TAPPING SCREW, BVT2+3-10
32	8A-MTM-040-010		PANEL, TRAY CD	G	87-067-689-010		TAPPING SCREW, BVTT+3-8
33	88-917-361-110		FF-CABLE 17P 1.25	H	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
34	8A-MTM-009-010		PANEL, REAR CD	I	87-067-761-010		TAPPING SCREW, BVT2+3-10
35	8A-MTM-064-010		HLDR, PIN JACK	J	87-067-688-010		BVTT+3-6
36	8A-MTM-208-010		HLDR, CHAS A	K	87-067-581-010		BVT2+3-15 W/O SLOT
37	8A-MTM-202-010		CHAS, MAIN				
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				

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		

TAPE MECHANISM PARTS LIST 1 / 2 < 6ZL-1 A1 >

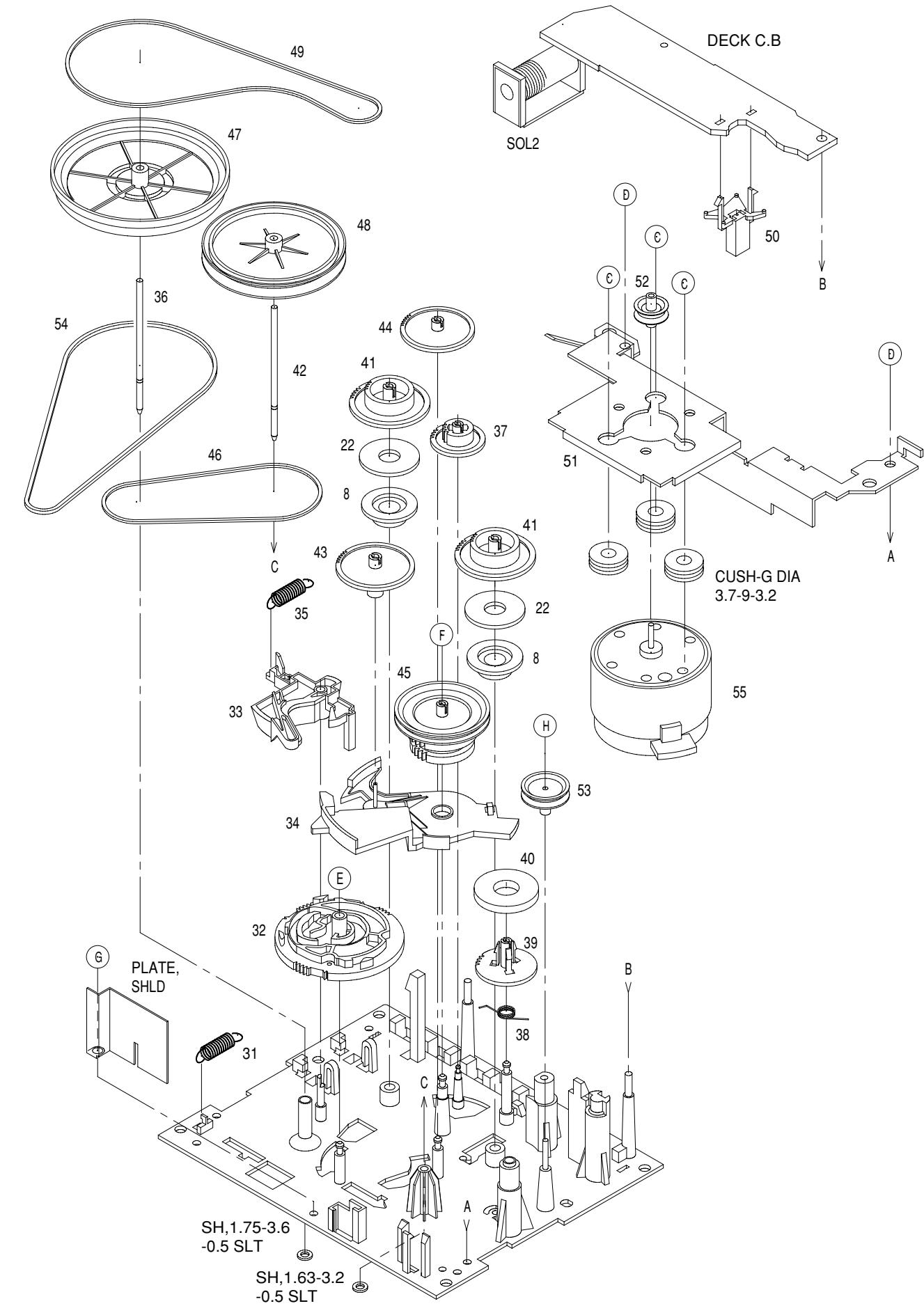
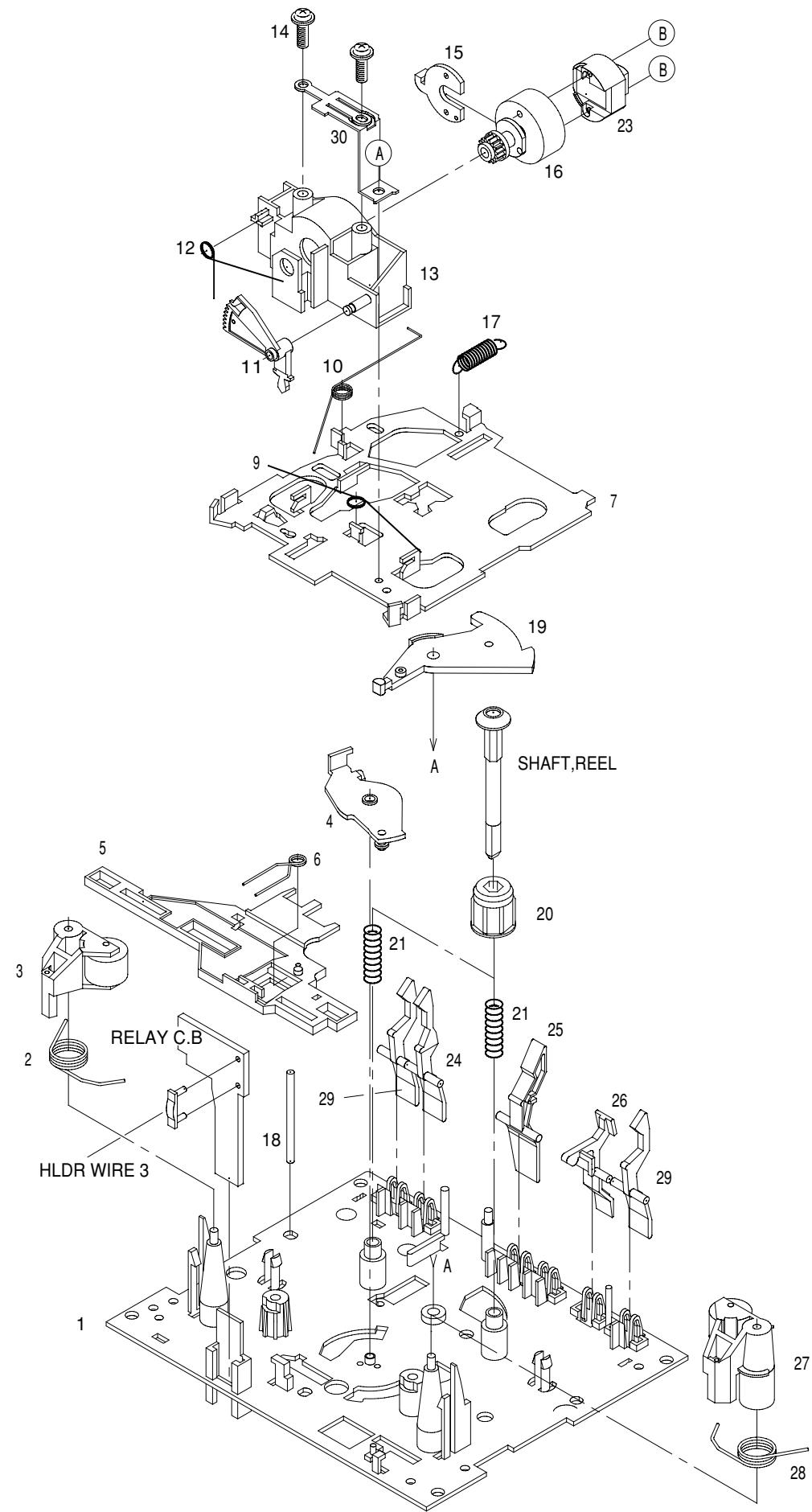


TAPE MECHANISM PARTS LIST 1 / 2 < 6ZL-1 A1 >

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/O SLOT BLK

TAPE MECHANISM EXPLODED VIEW 2 / 2 < 6ZM-4 R3 >



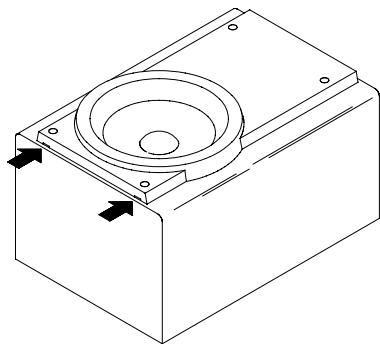
TAPE MECHANISM PARTS LIST 2 / 2 < 6ZM-4 R3 >

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		HLDR, IC
16	82-ZM1-208-310		HLDR, HEAD	51	86-ZM1-215-010		HLDR, 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

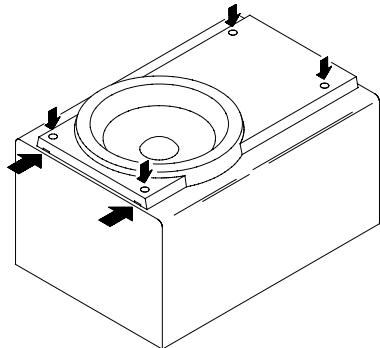
Type.1

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.



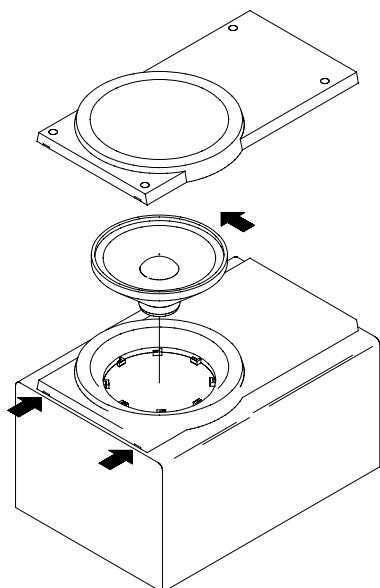
Type.2

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.

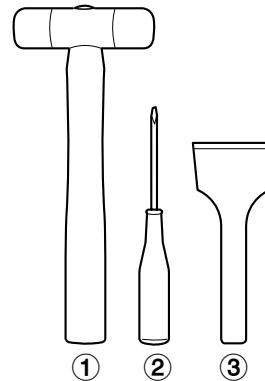


Type.3

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 (Θ) flat head screwdriver
- ③ Cut chisel

How to Remove the PANEL, FR

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

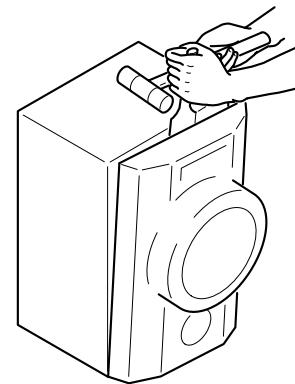
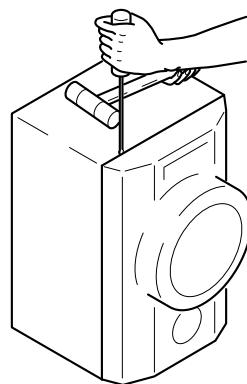


Fig-1

Fig-2

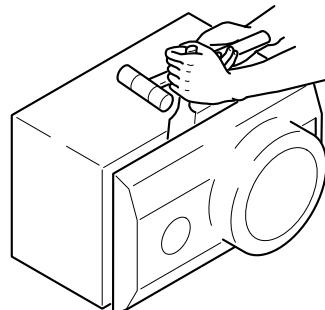


Fig-3

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-WAN5 (YSL)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-MS4-001-010		PANEL, FR
2	8A-MS4-003-010		PANEL, DUCT
3	8A-MS4-008-010		GRILLE, FRAME ASSY
4	8A-MS4-004-010		PANEL, RING
5	8A-MS4-011-010		PROTECTOR, TWA
6	8A-MS1-602-010		SPKR, W 200
7	8A-MS4-603-010		SPKR, M 120
8	88-NS3-605-010		CAP
9	88-MS1-610-010		CORD, SPKR
10	88-NS5-611-010		CORD, SPKR B/L
11	88-NS5-605-010		SPKR, T 60
12	8A-MS4-015-010		PANEL, TW 60

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-MT4-902-010		IB, LH (ESP) M
2	87-006-225-010		AM LOOP ANT NC2
3	87-043-115-010		ANT, FEEDER FM
△ 4	87-099-789-010		PLUG, ADPTR IR44
5	8A-MT4-702-010		RC UNIT, RC-AAS02<VS>



アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111