

SERVICE MANUAL

COMPACT DISC
STEREO SYSTEM

BASIC TAPE MECHANISM : 2ZM-3MK2 PR4NM(HS/HR)
BASIC TAPE MECHANISM : 6ZM-3 PR2NM(K/EZ)
BASIC CD MECHANISM : AZG-1 YKZA3RDF(HS/HR)
BASIC CD MECHANISM : AZG-1 YKZD8RDF(K/EZ)

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-BL54	CX-NBL54	SX-WNBL53	RC-ZAS01
NSX-BL56	CX-NBL56	SX-WNBL56	RC-ZAS01

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" NSX-BL54 <EZ,K> & NSX-BL56<EZ> (S/M Code No. 09-002-429-5T1).
- If requiring information about the CD mechanism, see Service Manual of AZG-1, YKZD8RDF(S/M Code No. 09-001-335-3N6)/YKZA3RDF(S/M Code No. 09-001-335-3NC).

SPECIFICATIONS

Main unit CX-NBL54, CX-NBL56

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	16.8 dBf <EZ, K> 13.2 dBf <HS, HR>
Antenna terminal	75 ohms (unbalanced)

AM (MW) tuner section

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

LW tuner section <EZ, K>

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

SW tuner section <HR>

Tuning range	5.730 MHz to 17.900 MHz
Antenna	Wire antenna

Amplifier section

Mid-high frequency amplifier

Power output	Rated: 20 W + 20 W (8 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference : 25 W + 25 W (8 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) DIN MUSIC POWER: 40 W + 40 W<EZ>
Total harmonic distortion	0.1 % (10 W, 1 kHz, 8 ohms, DIN AUDIO)

Low frequency amplifier

Power output	Rated: 60 W + 60 W (6 ohms, T.H.D. 1 %, 130 Hz/DIN 45500) Reference : 75 W + 75 W (6 ohms, T.H.D. 10 %, 130 Hz/DIN 45324) DIN MUSIC POWER: 130 W + 130 W <EZ>
Total harmonic distortion	0.1 % (30W, 130 Hz, 6 ohms, DIN AUDIO)

Inputs

VIDEO/AUX: 500 mV

Outputs

MIC: 1.0 mV (10 k ohms) <HS, HR>
SPEAKERS HIGH FREQ:
accept speakers of 8 ohms or more
SPEAKERS LOW FREQ:
accept speakers of 6 ohms or more
SURROUND SPEAKERS:
accept speakers of 8 ohms to 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 (λ = 780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

General

Power requirements	220 V AC, 60 Hz <HS> 230 V AC, 50 Hz <EZ, K> 120 V/220-230 V/240 V AC switchable, 50/60 Hz <HR>
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Power consumption

Power consumption in standby mode

If the power-economizing mode is
ECO OFF: 20 W

If the power-economizing mode is
ECO ON or ECO AUTO: 0.9 W

Dimensions of main unit (W x H x D)

260 x 326 x 345 mm

Weight of main unit

9.0 kg

Speaker system SX-WNBL53, SX-WNBL56

Speaker system

3 way, Built-in subwoofer (magnetic
shielded type)

Speaker units

Subwoofer: 160 mm cone type
Full range: 100 mm cone type
Super tweeter: 20 mm ceramic type
6 ohms/8 ohms

Impedance

Sensitivity

87 dB/W/m

Dimensions (W x H x D)

230 x 324 x 282 mm

Weight

4.8 kg

- Design and specifications are subject to change without notice.
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- Under license from BBE Sound, Inc.

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

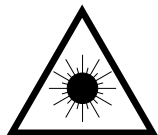
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NFJ-905-010	IB, K (E) M <K>		6	87-A91-017-010	PLUG, CONVERSION JT-0476 <HR>	
1	8A-NFJ-906-010	IB, EZ (9L) M 54 <4EZ>		6	87-099-811-010	PLUG, ADPTR CONV (K) <K>	
1	8A-NFJ-916-010	IB, EZ (9L) M 56 RDS <6EZ>		7	87-B30-274-010	BAT, R6P ATC <HS>	
1	8A-NFJ-901-010	IB, H (ECA) M <HR>					
2	8Z-NF8-702-010	RC UNIT, RC-ZAS01					
3	87-006-268-010	ANT, LOOP AM <EXCEPT HR>					
3	87-006-269-010	ANT, LOOP AM <HR>					
4	87-A90-118-010	ANT, WIRE FM (Z) <K, 4EZ, 6EZ>					
4	87-043-115-010	FEEDER-ANT, FM <HS, HR>					
5	87-A90-119-010	ANT, WIRE SW (5M) <HR>					

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 käyttäjän turvallisuusluokan 1 ylitäivälle 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.

Precaution to replace Optical block

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 figure below.

CAUTION

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

ATTENTION

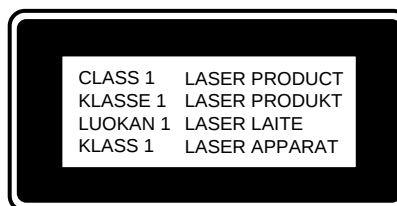
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

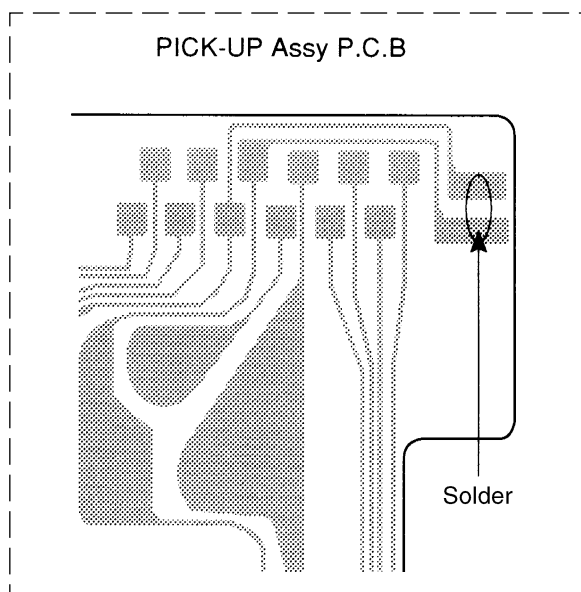
Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

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

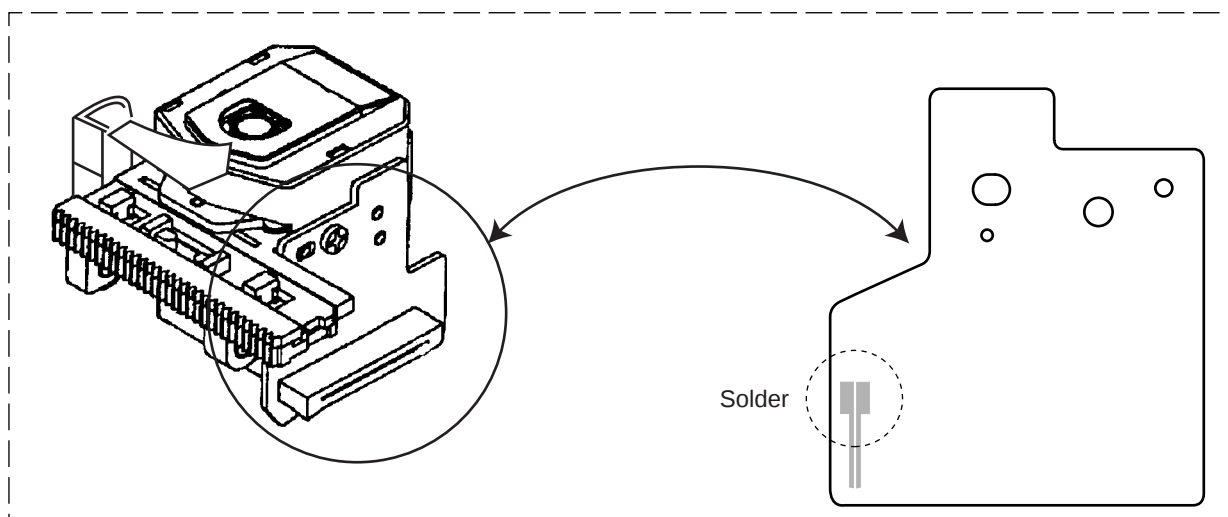
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



ZA3/ZA4 MODEL(KSS-213F)



ZA8/ZD8 MODEL



NOTE ON BEFORE STARTING REPAIR

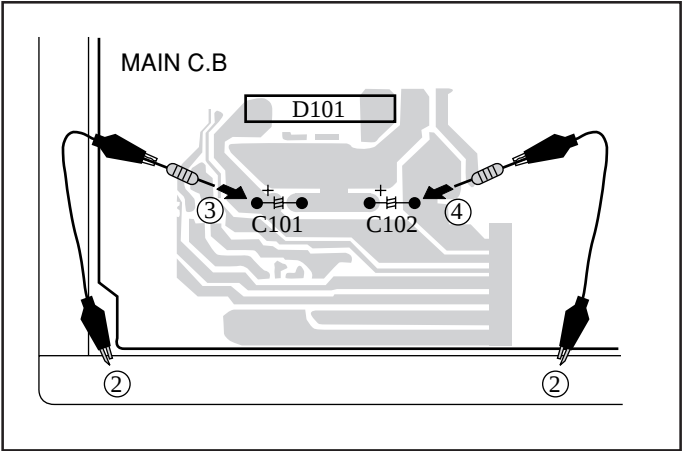
1. Forced discharge of electrolytic capacitor of power supply block

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

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.

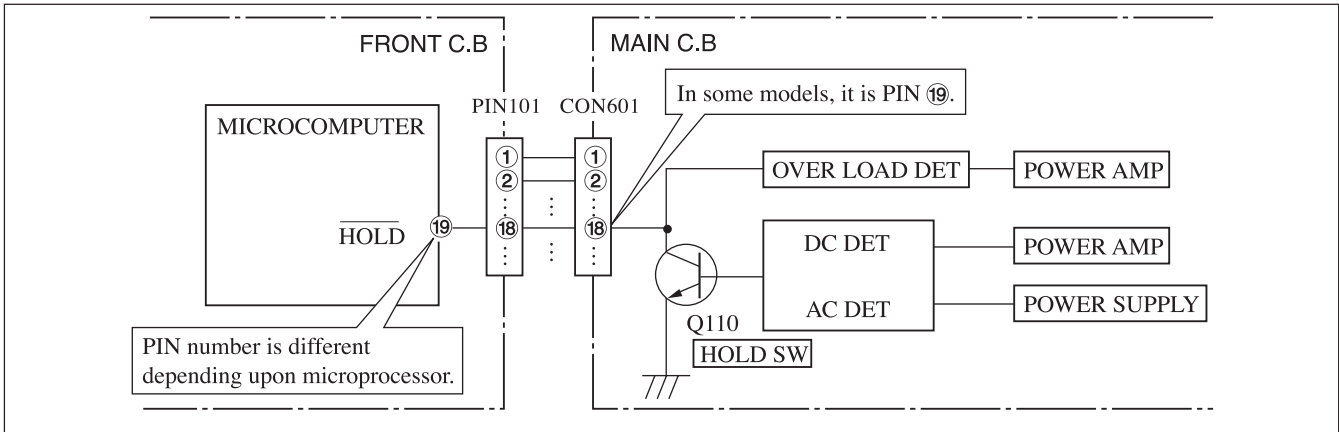


Fig-2-1

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.

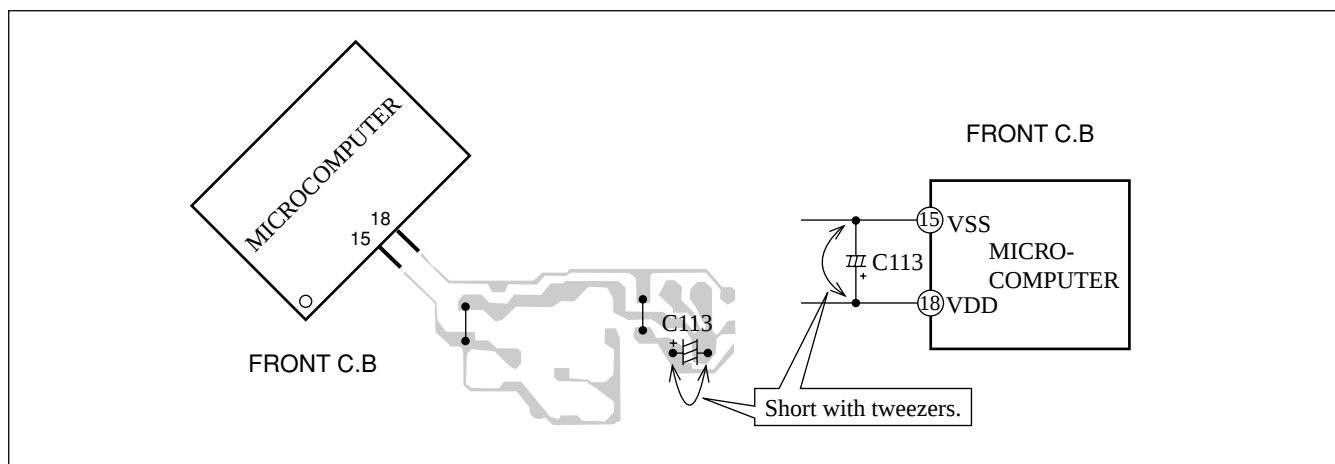


Fig-2-2

- 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.

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C0009	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-020-454-010	IC, DN6851		C0010	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A21-417-010	IC, STK490-310		C0011	87-012-368-080		C-CAP,S 0.1-50 Z F
	8A-NF8-614-110	C-IC, LC866560W-5P89<56EZ>		C0012	87-012-368-080		C-CAP,S 0.1-50 Z F
	8A-NF8-613-010	C-IC, LC866548V-5P87<EXCEPT 56EZ>		C0015	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A21-396-010	IC, STK490-040		C0016	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A21-629-010	IC, SPS-442-1-N		C0017	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A21-419-040	C-IC, NJM14558MD-TE2		C0018	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A21-577-040	C-IC, M61506FP<HR>		C0019	87-016-520-000		CAP,E 3300-65 M SMG
	87-A21-023-040	C-IC, BA3835F<EXCEPT HR>		C0020	87-016-520-000		CAP,E 3300-65 M SMG
	87-070-289-040	C-IC, BU2092F		C0021	87-016-051-000		CAP,E 2200-35 M SMG
	87-A21-401-040	C-IC, M61503FP		C0022	87-016-051-000		CAP,E 2200-35 M SMG
	87-A21-560-010	IC, LA1844L-A		C0023	87-016-658-000		CAP,E 4700-35 M SMG
	87-A20-440-040	C-IC, BU1920FS<56EZ>		C0024	87-016-658-000		CAP,E 4700-35 M SMG
	87-070-127-110	IC, LC72131D		C0025	87-010-408-080		CAP,E 47-50 M 11L SME
TRANSISTOR				C0026	87-010-247-080		CAP,E 100-50 M SME
	87-026-451-080	TR, 2SA933S<HS, HR>		C0030	87-010-430-080		CAP,E 100-63
	87-026-609-080	TR, KTA1266GR		C0031	87-010-263-080		CAP,E 100-10 M 11L SME
	89-213-702-010	TR, 2SB1370E		C0032	87-010-197-080		C-CAP,S 0.01-25 K B C2012
	87-026-610-080	TR, KTC3198GR		C0034	87-010-260-080		CAP,E 47-25 M 11L SME
	87-A30-076-080	C-TR, 2SC3052F		C0035	87-010-380-080		CAP,E 47-16 M 11L SME
	87-A30-075-080	C-TR, 2SA1235F		C0036	87-010-381-080		CAP,E 330-16 M SME
	87-026-245-080	TR, DTC114ES		C0038	87-010-197-080		C-CAP,S 0.01-25 K B C2012
	87-A30-198-080	TR, KTC3199GR		C0060	87-010-403-080		CAP,E 3.3-50 M 11L SME
	87-A30-107-070	C-TR, CMBT5401		C0061	87-010-260-080		CAP,E 47-25 M 11L SME
	87-A30-106-040	C-TR, CMBT5551		C0101	87-010-183-080		C-CAP,S 2700P-50 K B GRM
	87-A30-087-080	C-FET, 2SK2158		C0102	87-010-183-080		C-CAP,S 2700P-50 K B GRM
	87-A30-074-080	C-TR, RT1P 141C		C0103	87-010-545-080		CAP,E 0.22-50 M 11L SME
	87-A30-318-080	TR, CSA952K		C0104	87-010-545-080		CAP,E 0.22-50 M 11L SME
	87-A30-091-080	FET, 2SJ460		C0107	87-010-405-080		CAP,E 10-50 M 11L SME
	87-A30-329-080	TR, CD1585BC		C0108	87-010-405-080		CAP,E 10-50 M 11L SME
	87-A30-090-080	FET, 2SK2541		C0109	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
	87-A30-104-080	C-TR, RT1N 441C		C0110	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
	87-A30-468-080	C-TR, KRC102S-RTK		C0111	87-010-405-080		CAP,E 10-50 M 11L SME
	87-A30-484-080	C-TR, KRA102S		C0112	87-010-405-080		CAP,E 10-50 M 11L SME
	89-333-317-880	TR, 2SC3331 (T/U)		C0113	87-010-866-080		CAP,E 10-63 M VX
	87-A30-269-040	C-FET, 2SJ461-T1		C0114	87-010-866-080		CAP,E 10-63 M VX
	89-327-143-080	C-TR, 2SC27140		C0119	87-010-197-080		C-CAP,S 0.01-25 K B C2012
	87-A30-489-080	C-TR, KRA107S		C0120	87-010-197-080		C-CAP,S 0.01-25 K B C2012
	87-A30-072-080	C-TR, RT1P 144C<HR>		C0123	87-010-176-080		C-CAP,S 680P-50 J SL<K, 54EZ, 56EZ>
	87-A30-086-070	C-TR, CSD1306E<EXCEPT HS>		C0124	87-010-176-080		C-CAP,S 680P-50 J SL<K, 54EZ, 56EZ>
	89-503-602-080	C-FET, 2SK360E<EXCEPT HS>		C0125	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A30-234-080	TR, CSC4115BC		C0126	87-012-368-080		C-CAP,S 0.1-50 Z F
DIODE				C0127	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-A40-393-090	DIODE, 1N5402GW (F20)		C0128	87-012-368-080		C-CAP,S 0.1-50 Z F
	87-020-465-080	DIODE, 1SS133		C0129	87-010-191-080		C-CAP,S 0.015-50 Z F<K, 54EZ, 56EZ>
	87-A40-547-090	DIODE, D5SBA20		C0130	87-010-191-080		C-CAP,S 0.015-50 Z F<K, 54EZ, 56EZ>
	87-A40-455-080	DIODE, RL203 GW		C0131	87-010-197-080		C-CAP,S 0.01-25 K B <K, 54EZ, 56EZ>
	87-A40-553-080	DIODE, 1N4003 LES		C0132	87-010-197-080		C-CAP,S 0.01-25 K B <K, 54EZ, 56EZ>
	87-A40-776-080	ZENER, UZ27BSD		C0133	87-010-186-080		C-CAP,S 4700P-50 K B C2012
	87-A40-764-080	ZENER, UZ10BSC		C0140	87-010-182-080		C-CAP,S 2200P-50 K B C2012
	87-A40-270-080	C-DIODE, MC2838		C0141	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
	87-A40-313-080	C-DIODE, MC2840		C0203	87-010-182-080		C-CAP,S 2200P-50 K B C2012
	87-A40-269-080	C-DIODE, MC2836		C0204	87-010-182-080		C-CAP,S 2200P-50 K B C2012
	87-A40-768-080	ZENER, UZ16BSA		C0205	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
	87-A40-752-080	ZENER, UZ6.2BSC		C0205	87-012-140-080		C-CAP,S 470P-50 J CH<EXCEPT HR>
	87-A40-802-080	ZENER, UZ5.1BSC		C0206	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
	87-A40-739-080	ZENER, UZ2.7BSA		C0206	87-012-140-080		C-CAP,S 470P-50 J CH<EXCEPT HR>
	87-017-149-080	ZENER, HZS6A2L		C0209	87-010-402-080		CAP,E 2.2-50 M 11L SME
MAIN C.B				C0210	87-010-402-080		CAP,E 2.2-50 M 11L SME
C0003	87-012-368-080	C-CAP,S 0.1-50 Z F		C0211	87-010-184-080		C-CAP,S 3300P-50 K B C2012
C0004	87-012-368-080	C-CAP,S 0.1-50 Z F		C0212	87-010-184-080		C-CAP,S 3300P-50 K B C2012
C0005	87-012-368-080	C-CAP,S 0.1-50 Z F		C0213	87-010-402-080		CAP,E 2.2-50 M 11L SME
C0006	87-012-368-080	C-CAP,S 0.1-50 Z F		C0214	87-010-402-080		CAP,E 2.2-50 M 11L SME
				C0217	87-010-405-080		CAP,E 10-50 M 11L SME
				C0218	87-010-405-080		CAP,E 10-50 M 11L SME
				C0220	87-010-405-080		CAP,E 10-50 M 11L SME
				C0223	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
				C0224	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
				C0228	87-010-405-080		CAP,E 10-50 M 11L SME

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0229	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0612	87-010-545-080	CAP,E	0.22-50 M 11L SME
C0230	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0613	87-010-545-080	CAP,E	0.22-50 M 11L SME
C0231	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0614	87-010-545-080	CAP,E	0.22-50 M 11L SME
C0232	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0615	87-010-154-080	C-CAP,S	10P-50 D CH GRM
C0233	87-010-190-080	C-CAP,S	0.01-50 Z F<K,54EZ,56EZ>	C0616	87-010-385-080	CAP,E	220-25 M SME
C0234	87-010-190-080	C-CAP,S	0.01-50 Z F<K,54EZ,56EZ>	C0617	87-010-385-080	CAP,E	220-25 M SME
C0237	87-010-322-080	C-CAP,S	100P-50 J CH<K,54EZ,56EZ>	C0618	87-010-405-080	CAP,E	10-50 M 11L SME
C0238	87-010-322-080	C-CAP,S	100P-50 J CH<K,54EZ,56EZ>	C0620	87-010-263-080	CAP,E	100-10 M 11L SME
C0239	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0630	87-016-669-080	C-CAP,S	0.1-25 K B
C0270	87-010-197-080	C-CAP,S	0.01-25 K B <K,54EZ,56EZ>	C0631	87-010-185-080	C-CAP,S	3900P-50 K B
C0301	87-010-178-080	C-CAP,S	1000P-50 K B C2012	C0632	87-010-185-080	C-CAP,S	3900P-50 K B
C0302	87-010-178-080	C-CAP,S	1000P-50 K B C2012	C0633	87-016-369-080	C-CAP,S	0.033-25 K B GRM
C0303	87-010-178-080	C-CAP,S	1000P-50 K B C2012	C0634	87-016-369-080	C-CAP,S	0.033-25 K B GRM
C0304	87-010-178-080	C-CAP,S	1000P-50 K B C2012	C0661	87-010-178-080	C-CAP,S	1000P-50 K B<HS,HR>
C0307	87-010-263-080	CAP,E	100-10 M 11L SME	C0661	87-012-157-080	C-CAP,S	330P-50 J CH<K,54EZ,56EZ>
C0308	87-010-263-080	CAP,E	100-10 M 11L SME	C0662	87-010-178-080	C-CAP,S	1000P-50 K B<HS,HR>
C0309	87-010-318-080	C-CAP,S	47P-50 J CH GRM	C0662	87-012-157-080	C-CAP,S	330P-50 J CH<K,54EZ,56EZ>
C0310	87-010-318-080	C-CAP,S	47P-50 J CH GRM	C0669	87-010-180-080	C-CAP,S	1500P-50 K B<K,54EZ,56EZ>
C0313	87-010-188-080	C-CAP,S	6800P-50 K B C2012	C0670	87-010-180-080	C-CAP,S	1500P-50 K B<K,54EZ,56EZ>
C0314	87-010-188-080	C-CAP,S	6800P-50 K B C2012	C0671	87-010-196-080	C-CAP,S	0.1-25 Z F C2012<HS,HR>
C0315	87-010-263-080	CAP,E	100-10 M 11L SME	C0672	87-010-196-080	C-CAP,S	0.1-25 Z F C2012<HS,HR>
C0317	87-010-546-080	CAP,E	0.33-50 M 11L SME	C0673	87-010-182-080	C-CAP,S	2200P-50 K B<HS,HR>
C0318	87-010-546-080	CAP,E	0.33-50 M 11L SME	C0677	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0326	87-010-198-080	C-CAP,S	0.022-25 K B C2012	C0771	87-010-263-080	CAP,E	100-10 M 11L SME
C0327	87-012-368-080	C-CAP,S	0.1-50 Z F	C0772	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0360	87-010-401-080	CAP,E	1-50 M 11L SME	C0779	87-010-186-080	C-CAP,S	4700P-50 K B<K,54EZ,56EZ>
C0365	87-010-197-080	C-CAP,S	0.01-25 K B<K,54EZ,56EZ>	C0780	87-010-186-080	C-CAP,S	4700P-50 K B<K,54EZ,56EZ>
C0399	87-012-140-080	C-CAP,S	470P-50 J CH	C0782	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0401	87-010-544-080	CAP,E	0.1-50 M 11L SME	C0783	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0402	87-010-544-080	CAP,E	0.1-50 M 11L SME	C0784	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0403	87-010-321-080	C-CAP,S	82P-50 J CH	C0785	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0404	87-010-321-080	C-CAP,S	82P-50 J CH	C0786	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0405	87-010-197-080	C-CAP,S	0.01-25 K B C2012	C0788	87-010-149-080	C-CAP,S	5P-50 C CH GRM
C0406	87-010-197-080	C-CAP,S	0.01-25 K B C2012	C0789	87-A10-801-080	C-CAP,S	0.022-16 J B CM<HR>
C0407	87-010-197-080	C-CAP,S	0.01-25 K B C2012	C0789	87-A11-532-080	C-CAP,S	0.022-50 J B<EXCEPT HR>
C0408	87-010-197-080	C-CAP,S	0.01-25 K B C2012	C0790	87-A10-801-080	C-CAP,S	0.022-16 J B CM<HR>
C0409	87-010-182-080	C-CAP,S	2200P-50 K B C2012	C0790	87-A11-532-080	C-CAP,S	0.022-50 J B<EXCEPT HR>
C0410	87-010-182-080	C-CAP,S	2200P-50 K B C2012	C0791	87-010-196-080	C-CAP,S	0.1-25 Z F C2012
C0411	87-010-405-080	CAP,E	10-50 M 11L SME	C0792	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0412	87-010-405-080	CAP,E	10-50 M 11L SME	C0793	87-010-404-080	CAP,E	4.7-50 M 11L SME
C0452	87-010-382-080	CAP,E	22-25 M 11L SME	C0794	87-012-140-080	C-CAP,S	470P-50 J CH<K,54EZ>
C0453	87-010-183-080	C-CAP,S	2700P-50 K B GRM	C0794	87-012-155-080	C-CAP,S	180P-50 J CH GRM<56EZ>
C0454	87-010-183-080	C-CAP,S	2700P-50 K B GRM	C0795	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0455	87-010-183-080	C-CAP,S	2700P-50 K B GRM	C0796	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0456	87-010-197-080	C-CAP,S	0.01-25 K B C2012	C0797	87-010-405-080	CAP,E	10-50 M 11L SME
C0458	87-010-178-080	C-CAP,S	1000P-50 K B C2012	C0798	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0459	87-010-175-080	C-CAP,S	560P-50 J SL	C0799	87-010-407-080	CAP,E	33-50 M 11L SME
C0460	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0800	87-012-369-080	C-CAP,S	0.047-50 Z F
C0461	87-012-158-080	C-CAP,S	390P-50 J CH GRM	C0801	87-010-403-080	CAP,E	3.3-50 M 11L SME
C0462	87-012-158-080	C-CAP,S	390P-50 J CH GRM	C0802	87-010-194-080	C-CAP,S	0.047-25 Z F
C0507	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0803	87-010-198-080	C-CAP,S	0.022-25 K B C2012
C0508	87-010-178-080	C-CAP,S	1000P-50 K B C2012	C0804	87-010-263-080	CAP,E	100-10 M 11L SME
C0509	87-A10-300-080	CAP,M	0.027-50 J	C0807	87-010-400-080	CAP,E	0.47-50 M 11L SME
C0510	87-A10-300-080	CAP,M	0.027-50 J	C0808	87-010-401-080	CAP,E	1-50 M 11L SME
C0515	87-A10-300-080	CAP,M	0.027-50 J	C0809	87-010-401-080	CAP,E	1-50 M 11L SME
C0516	87-A10-300-080	CAP,M	0.027-50 J	C0810	87-010-196-080	C-CAP,S	0.1-25 Z F C2012
C0518	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	C0814	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0519	87-010-401-080	CAP,E	1-50 M 11L SME	C0815	87-010-400-080	CAP,E	0.47-50 M 11L SME
C0520	87-010-401-080	CAP,E	1-50 M 11L SME	C0816	87-010-400-080	CAP,E	0.47-50 M 11L SME
C0521	87-010-546-080	CAP,E	0.33-50 M 11L SME	C0818	87-010-180-080	C-CAP,S	1500P-50 K B<K,54EZ,56EZ>
C0522	87-010-546-080	CAP,E	0.33-50 M 11L SME	C0821	87-010-405-080	CAP,E	10-50 M 11L SME
C0523	87-010-545-080	CAP,E	0.22-50 M 11L SME	C0823	87-010-177-080	C-CAP,S	820P-50 J SL<HS,HR>
C0524	87-010-545-080	CAP,E	0.22-50 M 11L SME	C0823	87-012-349-080	C-CAP,S	1000P-50 J CH<K,54EZ,56EZ>
C0525	87-010-545-080	CAP,E	0.22-50 M 11L SME	C0824	87-010-404-080	CAP,E	4.7-50 M 11L SME
C0526	87-010-545-080	CAP,E	0.22-50 M 11L SME	C0825	87-010-596-080	C-CAP,S	0.047-16 K R C2012
C0605	87-010-179-080	C-CAP,S	1200P-50 K B GRM	C0831	87-010-406-080	CAP,E	22-50 M 11L SME<K,54EZ,56EZ>
C0606	87-010-179-080	C-CAP,S	1200P-50 K B GRM	C0842	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0609	87-010-213-080	C-CAP,S	0.015-25 K B GRM	C0844	87-010-197-080	C-CAP,S	0.01-25 K B C2012
C0610	87-010-213-080	C-CAP,S	0.015-25 K B GRM	C0850	87-010-260-080	CAP,E	47-25 M 11L SME
C0611	87-010-545-080	CAP,E	0.22-50 M 11L SME	C0851	87-010-197-080	C-CAP,S	0.01-25 K B C2012

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0852	87-010-197-080	C-CAP,S	0.01-25 K B C2012	J0203	87-A60-238-010		TERMINAL,SP 4P (MSC)
C0853	87-010-197-080	C-CAP,S	0.01-25 K B C2012	J0204	87-A61-153-010		JACK,PIN 4P R/W(BL) (SEPA) KM
C0858	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	J0602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
C0859	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	J0831	87-A60-202-010		TERMINAL,ANT 4P <HS,HR>
C0860	87-010-197-080	C-CAP,S	0.01-25 K B C2012	J0832	87-A60-403-010		TERMINAL,ANT PAL 2P <K,54EZ,56EZ>
C0869	87-010-197-080	C-CAP,S	0.01-25 K B C2012<56EZ>	J0940	87-A60-633-010		CONN,2P H 2.5MM JMT<HR>
C0870	87-018-131-080	CAP,TC U	1000P-50 K B UP050<56EZ>	L0101	87-003-383-010		COIL,1UH K<EXCEPT HR>
C0871	87-012-156-080	C-CAP,S	220P-50 J CH GRM<56EZ>	L0101	87-A50-610-010		COIL,1UH K(MDEC)<HR>
C0872	87-012-156-080	C-CAP,S	220P-50 J CH GRM<56EZ>	L0102	87-003-383-010		COIL,1UH K<EXCEPT HR>
C0873	87-012-140-080	C-CAP,S	470P-50 J CH<56EZ>	L0102	87-A50-610-010		COIL,1UH K(MDEC)<HR>
C0874	87-010-405-080	CAP,E	10-50 M 11L SME<56EZ>	L0201	87-003-383-010		COIL,1UH K<EXCEPT HR>
C0875	87-010-196-080	C-CAP,S	0.1-25 Z F C2012<56EZ>	L0201	87-A50-610-010		COIL,1UH K(MDEC)<HR>
C0876	87-010-405-080	CAP,E	10-50 M 11L SME<56EZ>	L0202	87-003-383-010		COIL,1UH K<EXCEPT HR>
C0877	87-010-197-080	C-CAP,S	0.01-25 K B C2012<56EZ>	L0202	87-A50-610-010		COIL,1UH K(MDEC)<HR>
C0878	87-010-316-080	C-CAP,S	33P-50 J CH GRM<56EZ>	L0451	87-007-342-010		COIL,OSC 85KHZ BIAS
C0879	87-010-314-080	C-CAP,S	22P-50 J CH GRM<56EZ>	L0801	87-A50-608-010		COIL,FM DET-N(TOK)
C0940	87-010-197-080	C-CAP,S	0.01-25 K B<EXCEPT HS>	L0802	87-A91-551-010		FLTR,PCFJZH-450 L<EXCEPT HR>
C0941	87-010-314-080	C-CAP,S	22P-50 J CH GRM<HR>	L0802	87-A91-552-010		FLTR,CFMT-450AL <HR>
C0942	87-010-149-080	C-CAP,S	5P-50 C CH<K,54EZ,56EZ>	L0811	87-005-847-080		COIL,2.2UH K CECS
C0943	87-010-197-080	C-CAP,S	0.01-25 K B C2012<HR>	L0832	87-005-847-080		COIL,2.2UH K CECS
C0945	87-010-197-080	C-CAP,S	0.01-25 K B C2012<HR>	L0861	87-005-847-080		COIL,2.2UH K CECS<56EZ>
C0946	87-010-971-080	C-CAP,S	4700P-50 J B<HR>	L0941	87-A50-020-010		COIL,ANT LW 252KHZ<K,54EZ,56EZ>
C0947	87-010-197-080	C-CAP,S	0.01-25 K B<EXCEPT HS>	L0941	87-A50-022-010		COIL,ANT SW 7.96MHZ<HR>
C0948	87-010-148-080	C-CAP,S	4P-50 C CH GRM<HR>	L0942	87-A50-019-010		COIL,OSC LW 856KHZ<K,54EZ,56EZ>
C0948	87-012-140-080	C-CAP,S	470P-50 J CH<K,54EZ,56EZ>	L0942	87-A50-550-010		COIL,OSC SW-2N(COI)<HR>
C0952	87-010-197-080	C-CAP,S	0.01-25 K B<EXCEPT HS>	L0943	87-A50-522-080		COIL,1MH K CEC<HR>
C0953	87-010-197-080	C-CAP,S	0.01-25 K B C2012<HR>	L0944	87-A50-159-010		COIL,10MH K C2B<HR>
C0954	87-010-400-080	CAP,E	0.47-50 M 11L SME<HR>	L0951	8A-NF8-667-010		COIL,AM PACK 4 (TOK)<HS>
C0956	87-010-263-080	CAP,E	100-10 M 11L SME<HR>	L0951	8A-NF8-668-010		COIL,AM PACK 2 (TOK)<K,54EZ,56EZ>
C0957	87-010-311-080	C-CAP,S	12P-50 J CH<K,54EZ,56EZ>	L0952	87-A50-430-010		COIL,ANT MW(3BSW)<HR>
C0958	87-010-197-080	C-CAP,S	0.01-25 K B<K,54EZ,56EZ>	L0953	87-A50-431-010		COIL,OSC MW(3BSW)<HR>
C0959	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	R0129	87-A00-257-080		RES,M/F 0.15-1W J
C0960	87-010-196-080	C-CAP,S	0.1-25 Z F<EXCEPT HR>	R0130	87-A00-257-080		RES,M/F 0.15-1W J
C0961	87-010-152-080	C-CAP,S	8P-50 D CH GRM<HS>	R0143	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
C0962	87-010-401-080	CAP,E	1-50 M 11L SME<EXCEPT HS>	R0143	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
C0963	87-015-785-080	C-CAP,	0.1-25 Z F C3216	R0144	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
C0964	87-010-854-080	C-CAP,S	560P-50 J CH<HR>	R0144	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
C0971	87-010-381-080	CAP,E	330-16 M SME	R0145	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
C0972	87-010-404-080	CAP,E	4.7-50 M 11L SME	R0145	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
C0973	87-010-197-080	C-CAP,S	0.01-25 K B C2012	R0146	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
C0974	87-010-197-080	C-CAP,S	0.01-25 K B C2012	R0146	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
C0979	87-010-322-080	C-CAP,S	100P-50 J CH GRM	R0233	87-A00-258-080		RES,M/F 0.22-1W J
C0981	87-010-260-080	CAP,E	47-25 M 11L SME	R0234	87-A00-258-080		RES,M/F 0.22-1W J
C0982	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	R0790	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0983	87-010-197-080	C-CAP,S	0.01-25 K B C2012	R0991	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0984	87-010-197-080	C-CAP,S	0.01-25 K B C2012	R0993	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0985	87-010-322-080	C-CAP,S	100P-50 J CH<K,54EZ,56EZ>	R0995	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0987	87-010-197-080	C-CAP,S	0.01-25 K B C2012	SFR0451	87-A90-432-080		SFR,30K H NVZ6TLTA
C0989	87-010-197-080	C-CAP,S	0.01-25 K B<EXCEPT HS>	SFR0452	87-A90-432-080		SFR,30K H NVZ6TLTA
C0991	87-010-312-080	C-CAP,S	15P-50 J CH GRM	TC0941	87-011-254-080		TRIMMER,CER 20P 4.0X4.5 ECR<HR>
C0992	87-010-312-080	C-CAP,S	15P-50 J CH GRM	TC0942	87-011-253-080		TRIMMER,CER 30P 4.0X4.5<K,54EZ,56EZ>
C0993	87-010-178-080	C-CAP,S	1000P-50 K B C2012	TC0943	87-011-253-080		TRIMMER,CER 30P 4.0X4.5<HR>
C0995	87-010-178-080	C-CAP,S	1000P-50 K B C2012	WH0001	87-A91-179-010		HLDR,WIRE 2.5-11P
C0997	87-010-196-080	C-CAP,S	0.1-25 Z F C2012	X0861	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309<56EZ>
C0998	87-010-260-080	CAP,E	47-25 M 11L SME	X0991	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C0999	87-A11-132-080	CAP,TC U	0.01-50 K B	FRONT C.B			
CF0831	87-008-261-010	FLTR,CF	SFE10.7MA5<HS,HR>				
CF0831	87-008-423-010	FLTR,CF	SFE10.7MS3G-A<K,54EZ,56EZ>				
CF0832	82-785-747-010	CF,MS2	GHY,R<K,54EZ,56EZ>				
CF0832	87-008-261-010	FLTR,CF	SFE10.7MA5<HS,HR>				
CN0301	87-A60-620-010	CONN,3P V	2MM JMT	C0201	87-010-322-080		C-CAP,S 100P-50 J CH GRM
CN0351	87-A60-625-010	CONN,8P V	2MM JMT	C0202	87-010-322-080		C-CAP,S 100P-50 J CH GRM
CN0601	87-099-719-010	CONN,30P H	BLK TYK-B(X)	C0203	87-010-322-080		C-CAP,S 100P-50 J CH GRM
CN0602	87-A60-131-010	CONN,6P V	FE	C0204	87-010-322-080		C-CAP,S 100P-50 J CH GRM
CNA0001	8A-NF8-654-010	CONN ASSY,11P	TID-A(480)	C0205	87-010-322-080		C-CAP,S 100P-50 J CH GRM
D0951	87-A40-618-080	VARI-CAP,SVC	348(S/T)<HR>	C0206	87-010-322-080		C-CAP,S 100P-50 J CH GRM
FFC0602	88-906-251-110	FF-CABLE,6P	1.25	C0207	87-010-322-080		C-CAP,S 100P-50 J CH GRM
FFE0831	A8-6ZA-195-130	6ZA-1	YFEENM<K,54EZ,56EZ>	C0208	87-010-322-080		C-CAP,S 100P-50 J CH GRM
FFE0831	A8-8ZA-191-030	8ZA-1	YFEUNM<HS,HR>	C0209	87-010-322-080		C-CAP,S 100P-50 J CH GRM
J0201	87-A60-483-010	JACK,DIA6.3	BLK ST W/S KM	C0210	87-010-322-080		C-CAP,S 100P-50 J CH GRM
				C0211	87-010-322-080		C-CAP,S 100P-50 J CH GRM
				C0251	87-010-405-040		CAP,E 10-50 M 11L SME

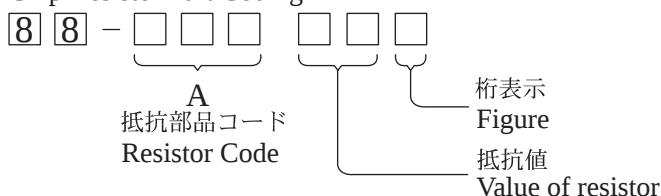
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0253	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		LED0606	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
C0254	87-012-369-080	C-CAP,S 0.047-50 Z F		LED0607	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
C0255	87-010-560-040	CAP,E 10-50 M 5L MA		LED0608	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
C0256	87-010-405-040	CAP,E 10-50 M 11L SME		S0401	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0259	87-010-405-040	CAP,E 10-50 M 11L SME		S0401	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0264	87-A11-148-080	CAP,TC U 0.1-50 Z F		S0402	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0273	87-010-178-080	C-CAP,S 1000P-50 K B C2012		S0402	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0274	87-010-178-080	C-CAP,S 1000P-50 K B C2012		S0403	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0301	87-010-182-080	C-CAP,S 2200P-50 K B C2012		S0403	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0302	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0404	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0303	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0404	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0312	87-010-498-040	CAP,E 10-16 M 5L SRE		S0405	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0314	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0405	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0315	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0406	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0316	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0406	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0321	87-012-393-080	C-CAP,S 0.22-16 K W5R CM/CB		S0407	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0322	87-010-400-040	CAP,E 0.47-50 M 11L SME		S0407	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0325	87-A10-189-040	CAP,E 220-10 M 5L		S0408	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0326	87-A10-189-040	CAP,E 220-10 M 5L		S0408	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0332	87-010-178-080	C-CAP,S 1000P-50 K B C2012		S0409	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0334	87-010-312-080	C-CAP,S 15P-50 J CH GRM		S0409	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0335	87-012-140-080	C-CAP,S 470P-50 J CH		S0410	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0336	87-012-155-080	C-CAP,S 180P-50 J CH GRM		S0410	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0339	87-012-156-080	C-CAP,S 220P-50 J CH GRM		S0411	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0340	87-010-197-080	C-CAP,S 0.01-25 K B C2012		S0411	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0341	87-010-194-080	C-CAP,S 0.047-25 Z F		S0412	87-A90-095-080		SW,TACT EVQ11G04M<56EZ,HS>
C0351	87-010-981-040	CAP,E 22-35 M 5L SRE		S0412	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0401	87-010-197-080	C-CAP,S 0.01-25 K B C2012		S0413	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0451	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0413	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0452	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0414	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0453	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0414	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0454	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0415	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0455	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0415	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0458	87-010-320-080	C-CAP,S 68P-50 J CH GRM<HR>		S0416	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0459	87-010-320-080	C-CAP,S 68P-50 J CH GRM<HR>		S0416	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0502	87-010-186-080	C-CAP,S 4700P-50 K B <HS,HR>		S0417	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0503	87-010-112-040	CAP,E 100-16 M 11L SME<HS,HR>		S0417	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0504	87-010-405-040	CAP,E 10-50 M 11L SME<HS,HR>		S0418	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0505	87-010-545-040	CAP,E 0.22-50 M 11L SME<HS,HR>		S0418	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0506	87-010-320-080	C-CAP,S 68P-50 J CH GRM<HS,HR>		S0419	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0507	87-010-544-040	CAP,E 0.1-50 M 11L SME<HS,HR>		S0419	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0508	87-010-544-040	CAP,E 0.1-50 M 11L SME<HS,HR>		S0420	87-A90-095-080		SW,TACT EVQ11G04M<56EZ,HS>
C0510	87-010-322-080	C-CAP,S 100P-50 J CH GRM<HS,HR>		S0420	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0511	87-010-265-040	CAP,E 33-16 M 11L SME<HS,HR>		S0421	87-A90-095-080		SW,TACT EVQ11G04M<56EZ>
C0512	87-010-178-080	C-CAP,S 1000P-50 K B <HS,HR>		S0425	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0513	87-010-196-080	C-CAP,S 0.1-25 Z F C2012<HS,HR>		S0425	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0515	87-010-178-080	C-CAP,S 1000P-50 K B <HS,HR>		S0426	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0520	87-010-178-080	C-CAP,S 1000P-50 K B C2012<HR>		S0426	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0602	87-010-322-080	C-CAP,S 100P-50 J CH GRM		S0432	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0603	87-010-322-080	C-CAP,S 100P-50 J CH GRM		S0432	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0604	87-010-322-080	C-CAP,S 100P-50 J CH GRM		S0433	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
C0650	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0433	87-A91-024-180		SW,TACT KSHG611BT<HR>
C0699	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		S0434	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
CN0101	87-099-720-010	CONN,30P BLK TYK-B(P)		S0434	87-A91-024-180		SW,TACT KSHG611BT<HR>
CN0102	87-099-015-010	CONN,13P V BLK 6216		S0435	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
CN0301	87-A60-140-010	CONN,15P V FE<HS,HR>		S0435	87-A91-024-180		SW,TACT KSHG611BT<HR>
CN0302	87-A60-136-010	CONN,11P V FE<K,54EZ,56EZ>		S0436	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
FB0301	87-008-372-080	FLTR,EMI BL01 RN1		S0436	87-A91-024-180		SW,TACT KSHG611BT<HR>
FB0501	87-008-372-080	FLTR,EMI BL01 RN1<HS,HR>		S0437	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
FFC0102	88-913-301-110	FF-CABLE,13P-1.25		S0437	87-A91-024-180		SW,TACT KSHG611BT<HR>
FFC0105	88-911-101-110	FF-CABLE,11P 1.25<K,54EZ,56EZ>		SW0252	87-A91-555-010		SW,RTRY EC12E24504
FFC0105	88-915-101-110	FF-CABLE, 15P 1.25 100MM<HS,HR>		SW0253	87-A91-542-010		SW,RTRY EC12E12504
FL0401	8A-NF8-601-010	FL,HNA-11MM30 (ANF-8)		VR0501	86-NFA-607-010		VR,RTRY 10K15AX1 1 V<HS,HR>
J0501	87-A61-242-010	JACK,6.3 BLK MONO W/SW<HS,HR>					
L0331	87-A50-408-010	COIL,OSC 5.76MHZ					
LED0311	87-A40-589-040	LED,SLR-56VCT31 RED		DECK C.B			
LED0601	87-A40-803-010	LED,SELU1E10CXM-S LF38 BLUE		CON105	87-099-753-010		CONN,11P 9604 S F<K,54EZ,56EZ>
LED0602	87-A40-619-080	LED,SLR-56PT-TE7-W GRN		CON105	87-099-756-010		CONN,15P 9604 S F<HS,HR>
LED0603	87-A40-619-080	LED,SLR-56PT-TE7-W GRN		SFR1	87-024-581-010		SFR,3.3K DIA 6H
LED0604	87-A40-619-080	LED,SLR-56PT-TE7-W GRN		SOL1	82-ZM1-618-410		SOL ASSY,27

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
SOL2	82-ZM1-618-410	SOL ASSY,27		PT C.B			
SW1	87-A90-248-010	SW,MICRO ESE11SH2CXQ		C0001	87-010-387-080	CAP,E 470-25 M SME	
SW2	87-A90-248-010	SW,MICRO ESE11SH2CXQ		C0002	87-A11-148-080	CAP,TC U 0.1-50 Z F<K,54EZ,56EZ>	
SW3	87-A90-248-010	SW,MICRO ESE11SH2CXQ		C0031	87-010-403-040	CAP,E 3.3-50 M 11L SME	
SW4	87-036-110-010	SW,MICRO SPPB62		△CN0001	87-A61-122-010	CONN,11P V TID-A	
				△PT0001	8A-NF8-605-010	PT,ANF-8 LH<HS,HR>	
SW5	87-036-110-010	SW,MICRO SPPB62		△PT0001	8A-NF8-608-010	PT,ANF-8 EZ<K,54EZ,56EZ>	
SW6	87-036-110-010	SW,MICRO SPPB62<HS,HR>		△PT0002	8A-NF8-662-010	PT,SUB ANF-8 (E)<K,54EZ,56EZ>	
SW8	87-A90-248-010	SW,MICRO ESE11SH2CXQ<HS,HR>		△PT0002	8A-NF8-673-010	PT,SUB ANF-8 (H)KAMI<HS,HR>	
SW9	87-A90-248-010	SW,MICRO ESE11SH2CXQ<HS,HR>		△RY0001	87-A91-339-010	RELAY,AC DC12V G5PA-2<HS,HR>	
W1	82-ZM3-601-010	RBN,CORD,4P-75		△RY0002	87-A91-418-010	RELAY,AC12V G5PA-1-M<K,54EZ,56EZ>	
HEAD-1 C.B				△S0001	87-A90-165-010	SW,SL 1-2-3 SWS2301<HS,HR>	
	85-ZM3-602-010	PWB,FLEX A		△T0001	87-A60-317-010	TERMINAL, 1P MSC	
CON301	87-NF6-615-010	CONN ASSY,3P PB		△T0002	87-A60-317-010	TERMINAL, 1P MSC	
HEAD-2 C.B<HS,HR>							
	85-ZM3-602-010	PWB,FLEX A<HS,HR>					
CON351	87-NF6-616-010	CONN ASSY,8P-RPB<HS,HR>					

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

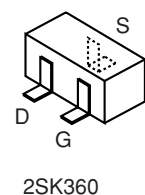
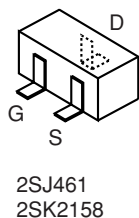
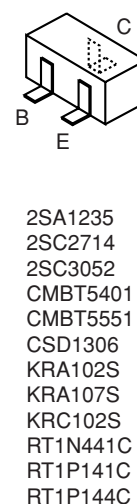
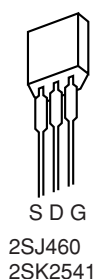
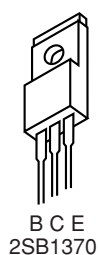
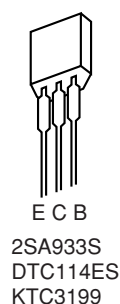
Chip Resistor Part Coding



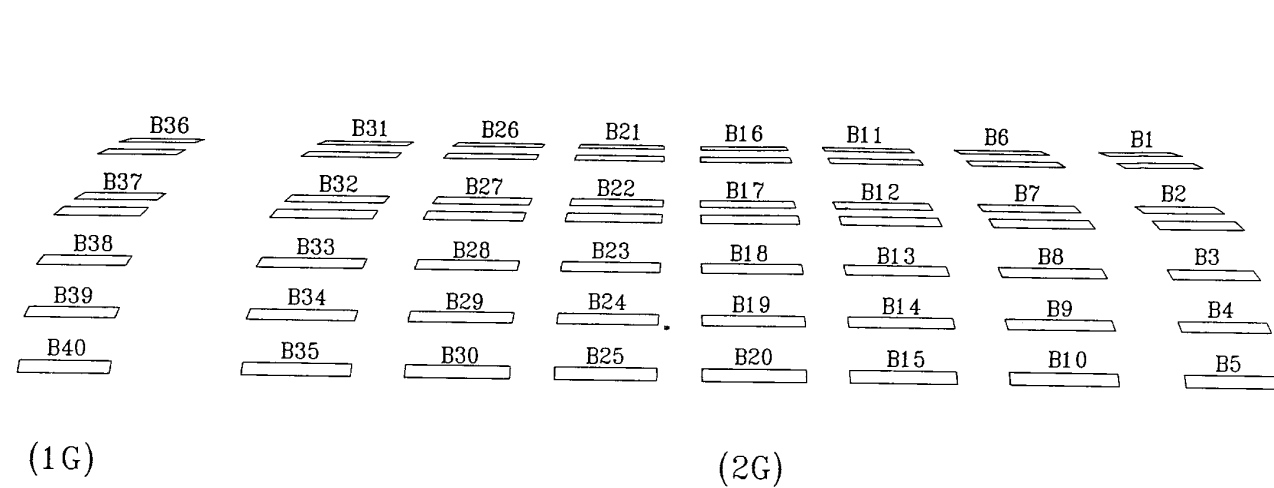
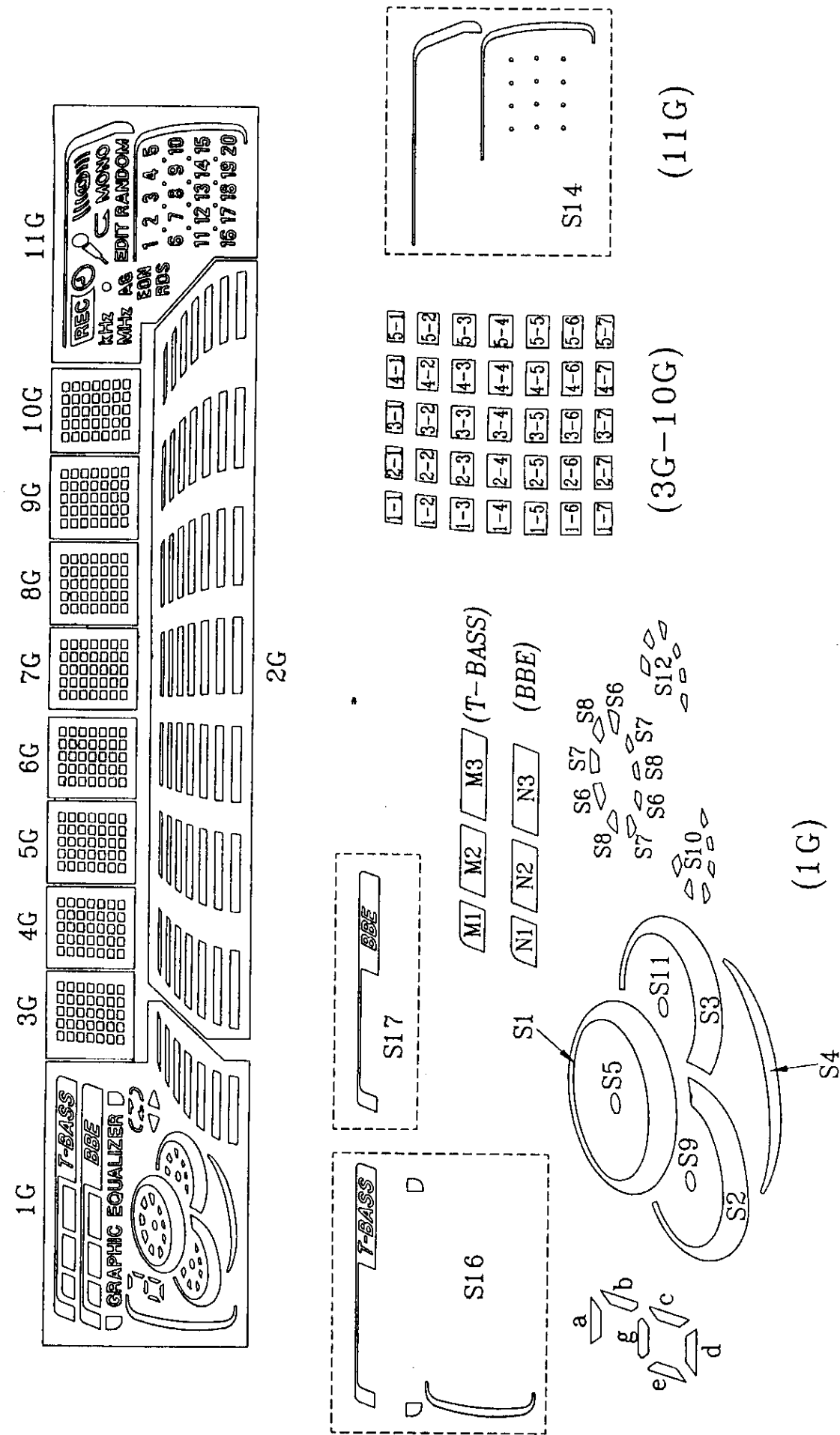
チップ抵抗
Chip resistor

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



GRID ASSIGNMENT

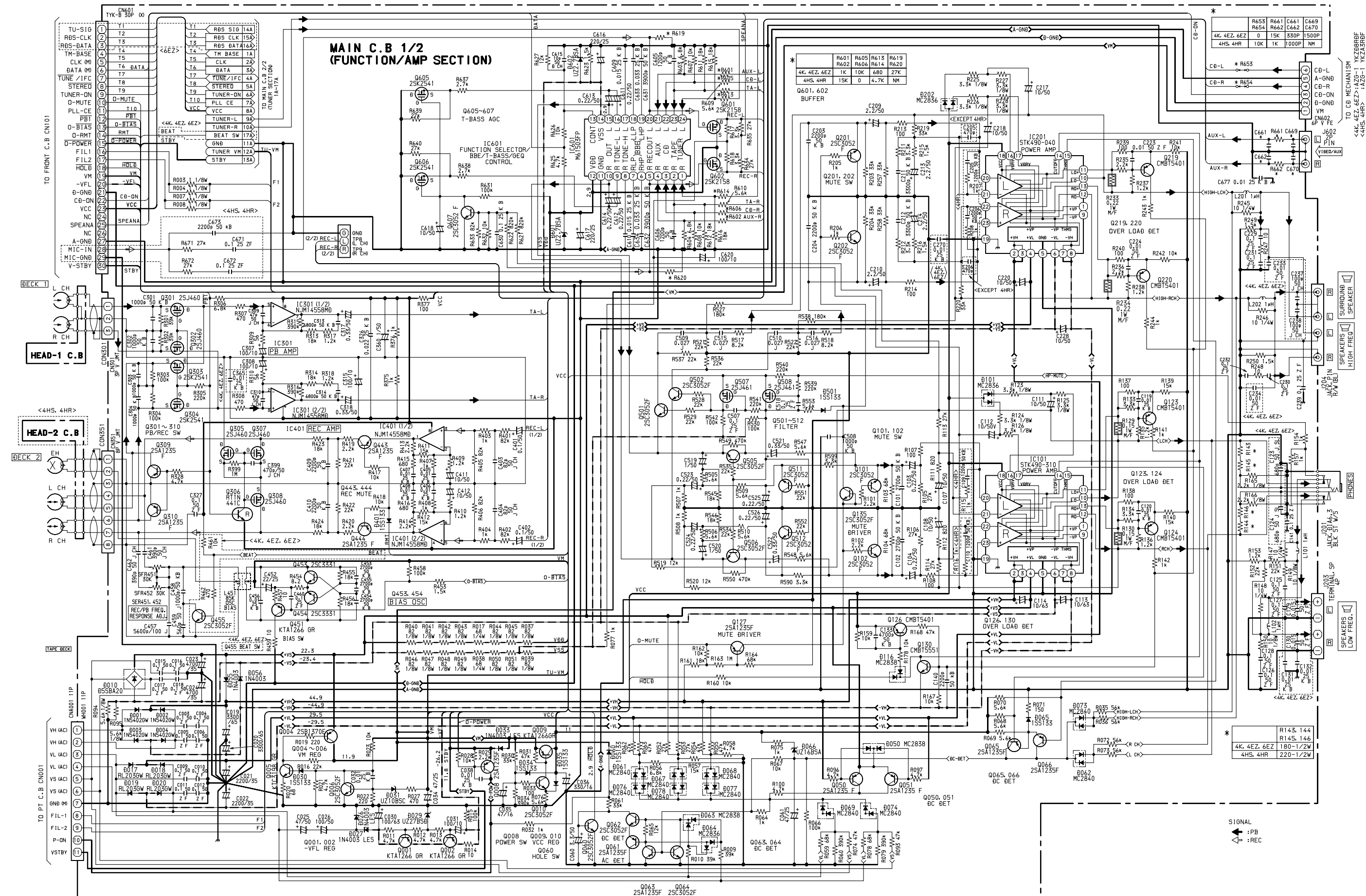


ANODE CONNECTION

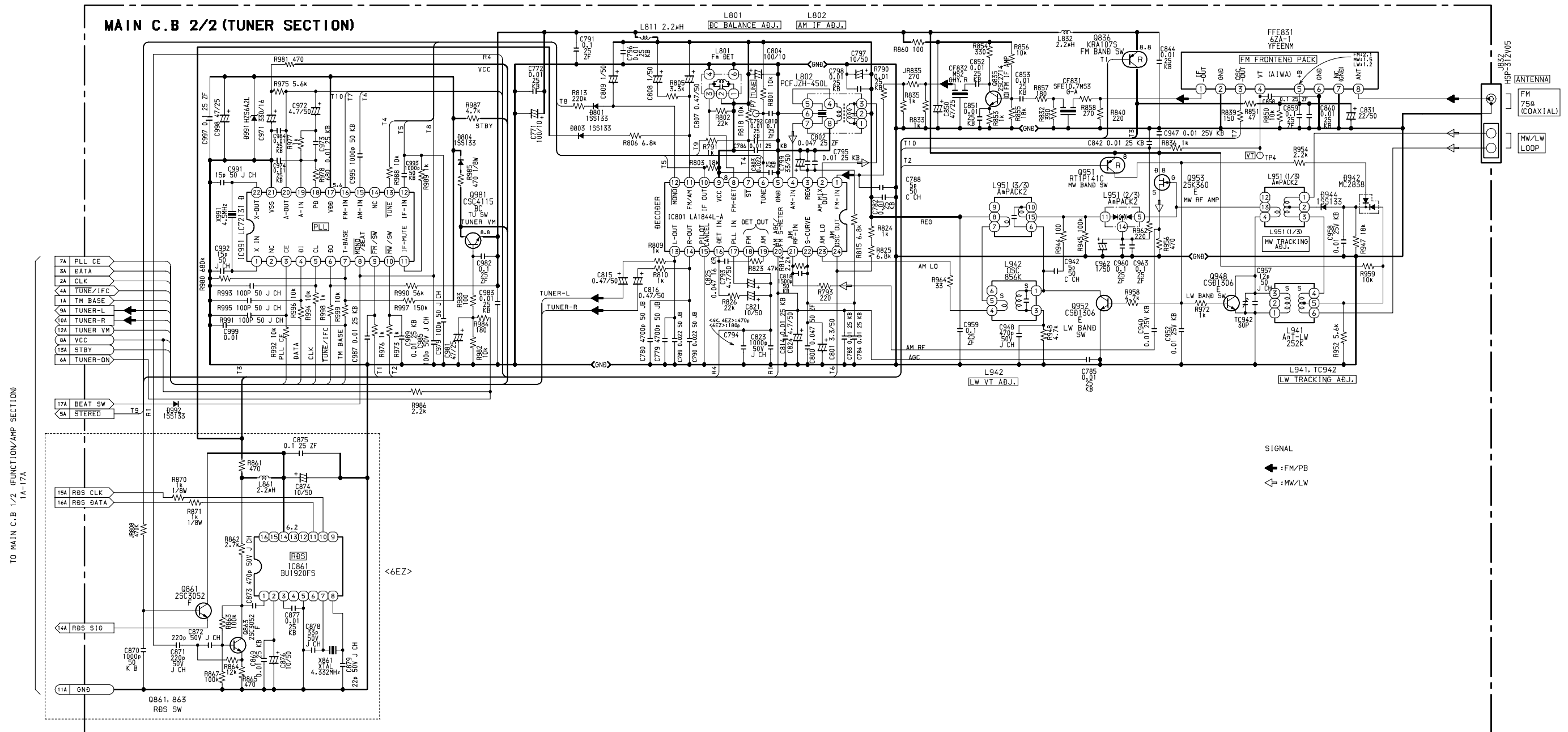
	1G	2G	3G-10G	11G
P1	S17	B35	1-1	MONO
P2	N1	B30	2-1	RANDOM
P3	N2	B25	3-1	EDIT
P4	N3	B20	4-1	REC
P5	GRAPHIC EQUALIZER	B15	5-1	kHz
P6		B10	1-2	MHz
P7		B5	2-2	o
P8		B34	3-2	AG
P9		B29	4-2	EON
P10		B24	5-2	RDS
P11	S4	B19	1-3	S14
P12	S2	B14	2-3	20
P13	S10	B9	3-3	19
P14	S9	B4	4-3	18
P15	S3	B33	5-3	17
P16	S12	B28	1-4	
P17	S11	B23	2-4	
P18	S1	B18	3-4	

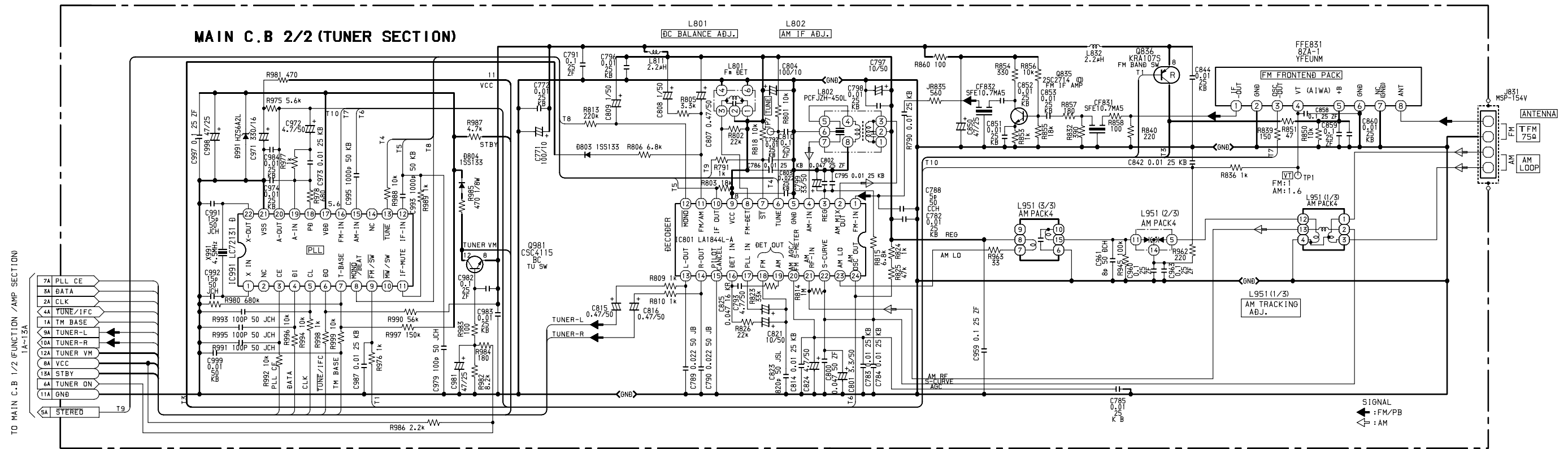
	1G	2G	3G-10G	11G
P19	S6	B13	4-4	16
P20	S7	B8	5-4	15
P21	S8	B3	1-5	14
P22	S5	B32	2-5	13
P23	S16	B27	3-5	12
P24	M1	B22	4-5	11
P25	M2	B17	5-5	10
P26	M3	B12	1-6	9
P27	e	B7	2-6	8
P28	a, g, d	B2	3-6	7
P29	b	B31	4-6	6
P30	c	B26	5-6	5
P31	B40	B21	1-7	4
P32	B39	B16	2-7	3
P33	B38	B11	3-7	2
P34	B37	B6	4-7	1
P35	B36	B1	5-7	

SCHEMATIC DIAGRAM-1 (FUNCTION/AMP SECTION)

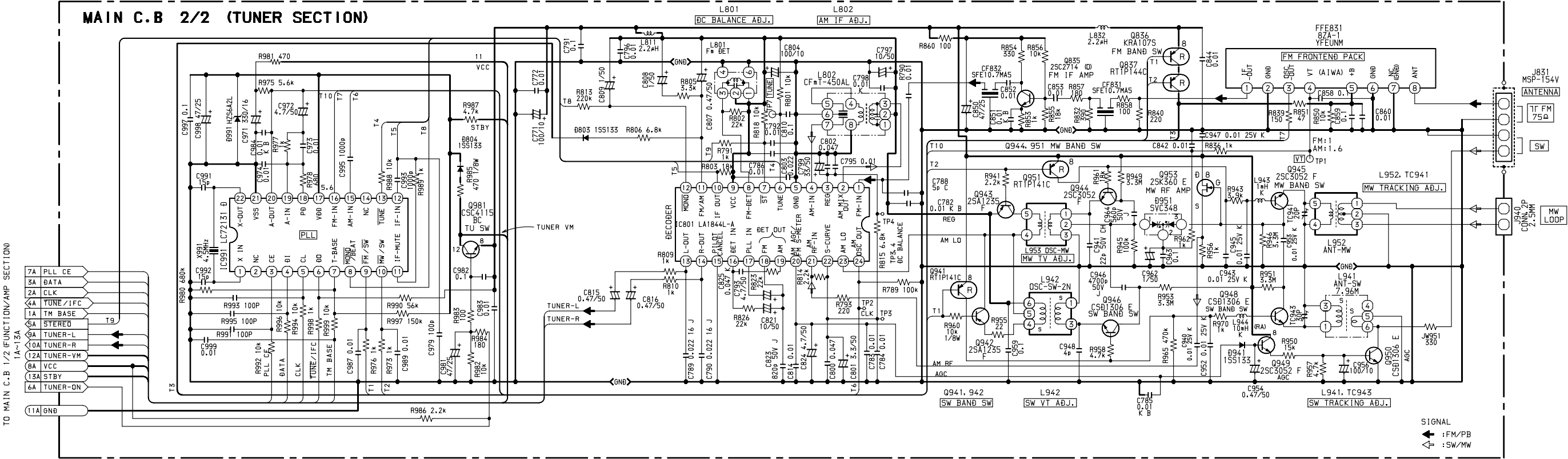


SCHEMATIC DIAGRAM-2 (TUNER SECTION) <EZ,K>

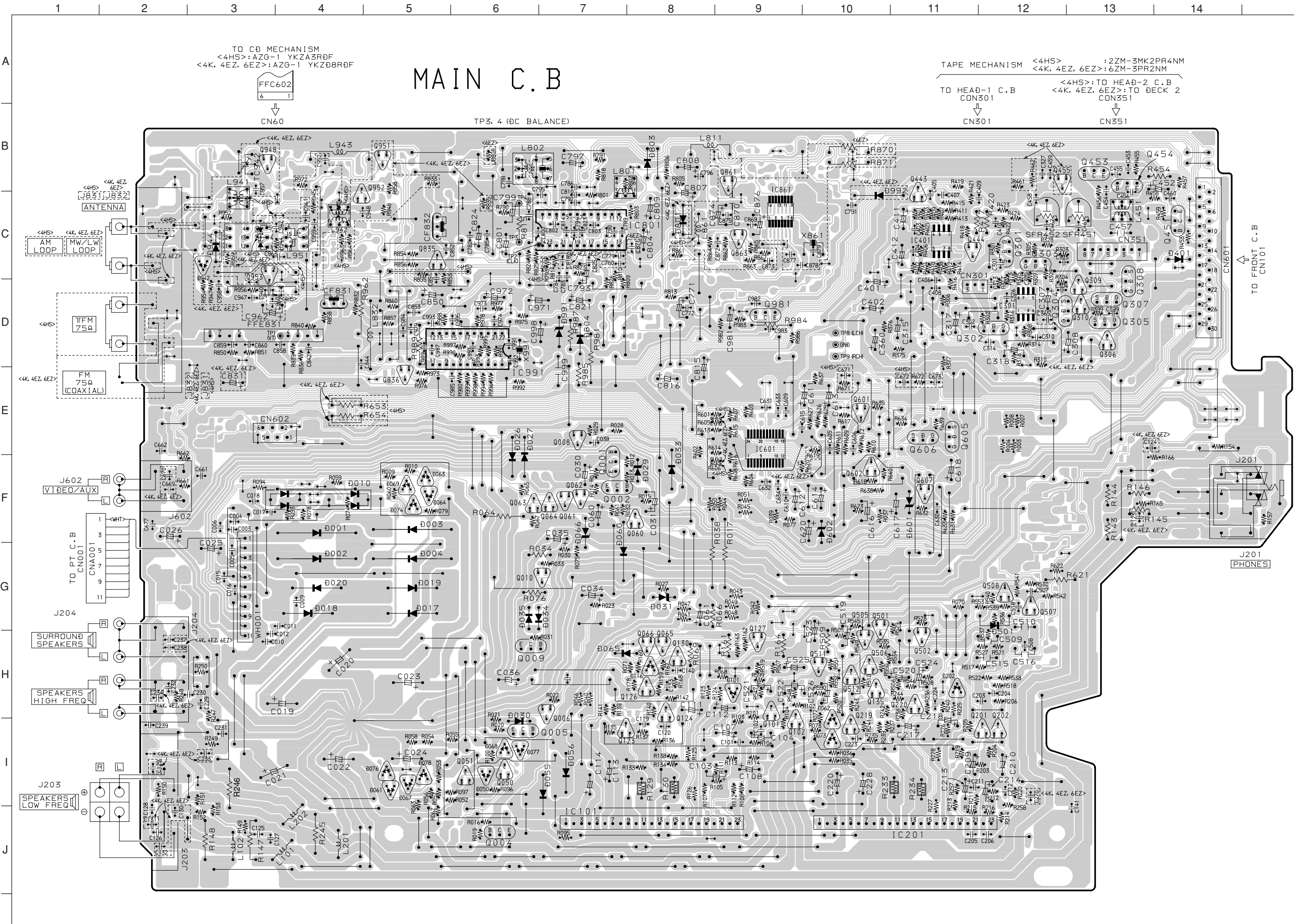


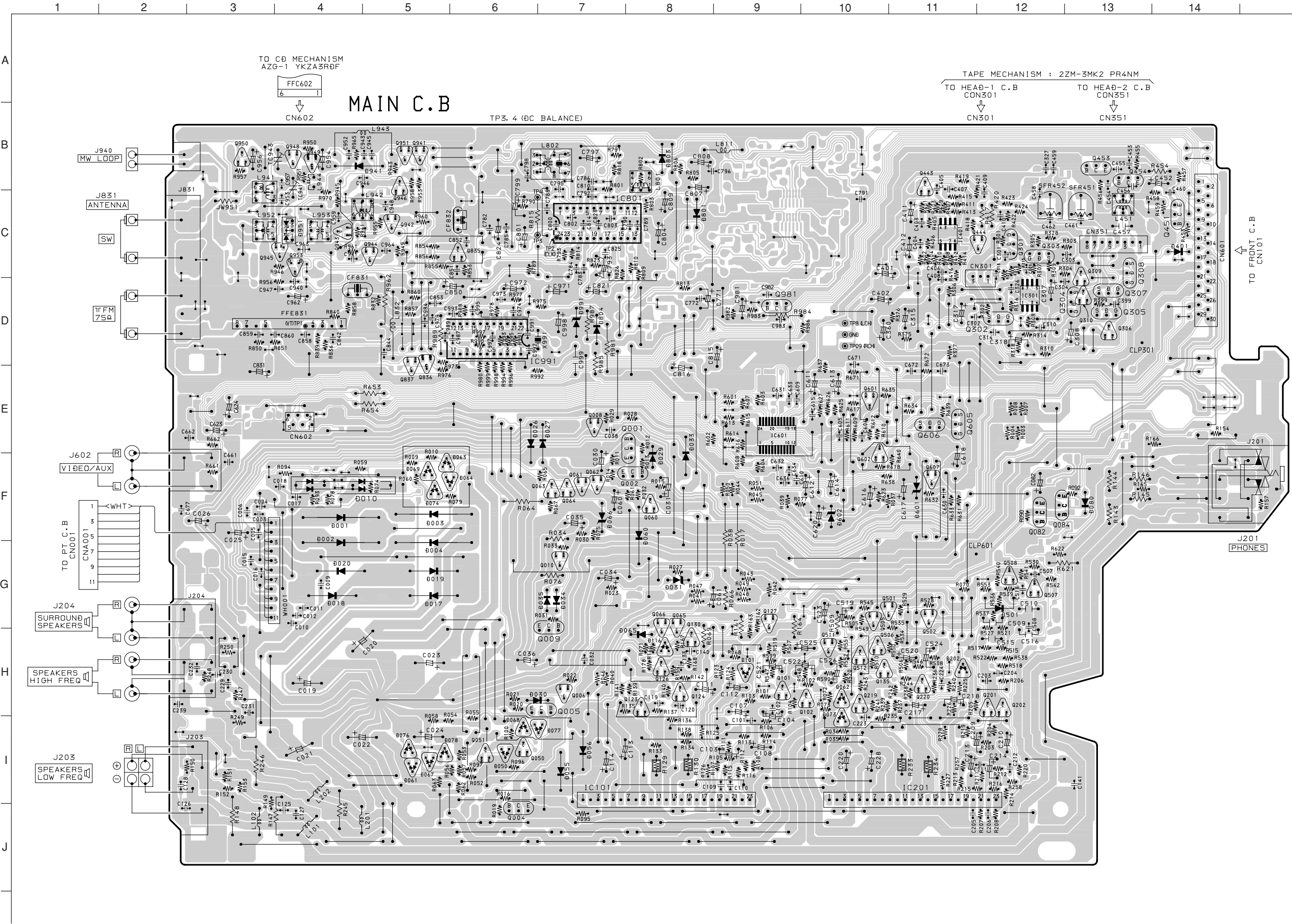


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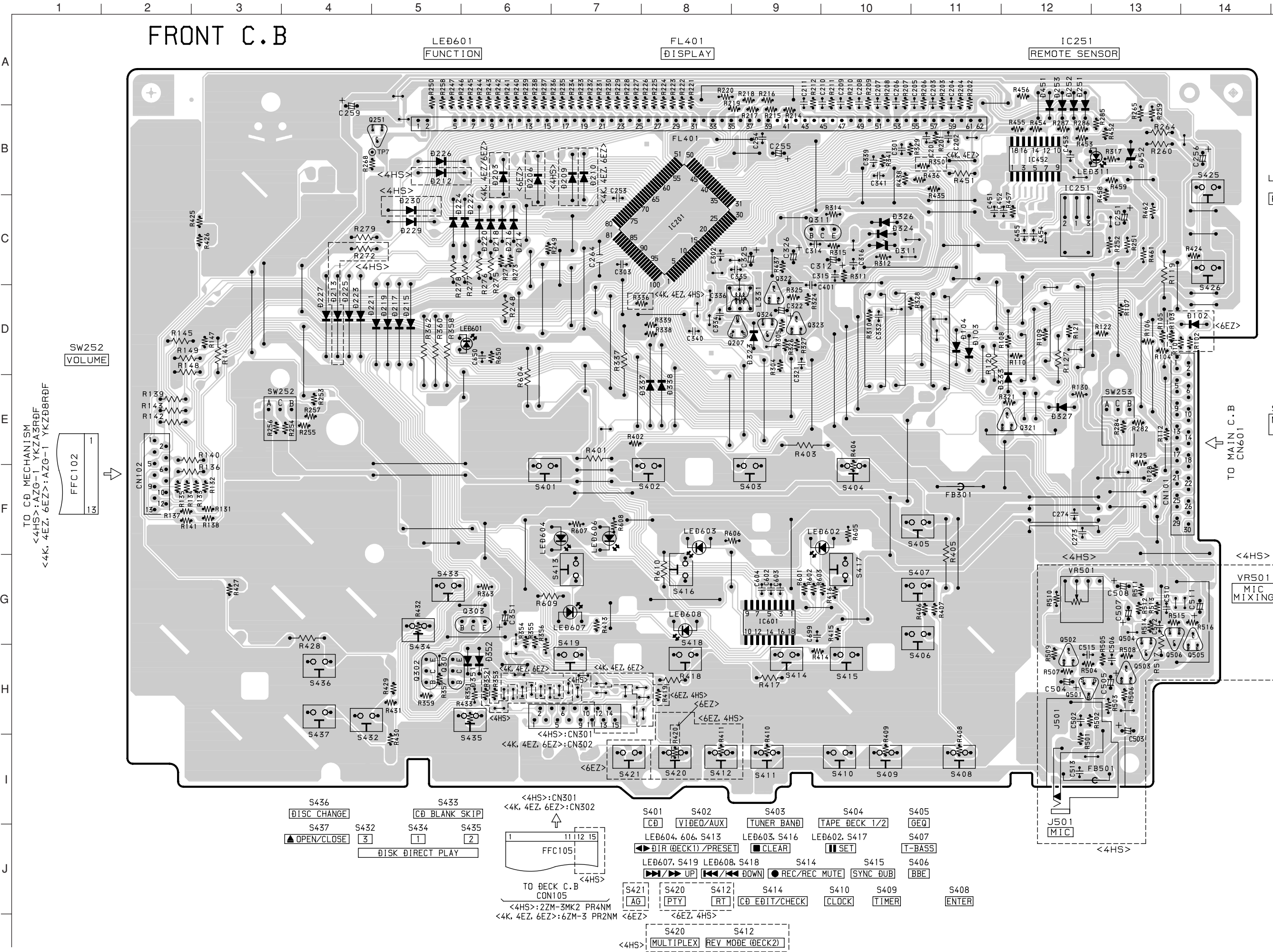


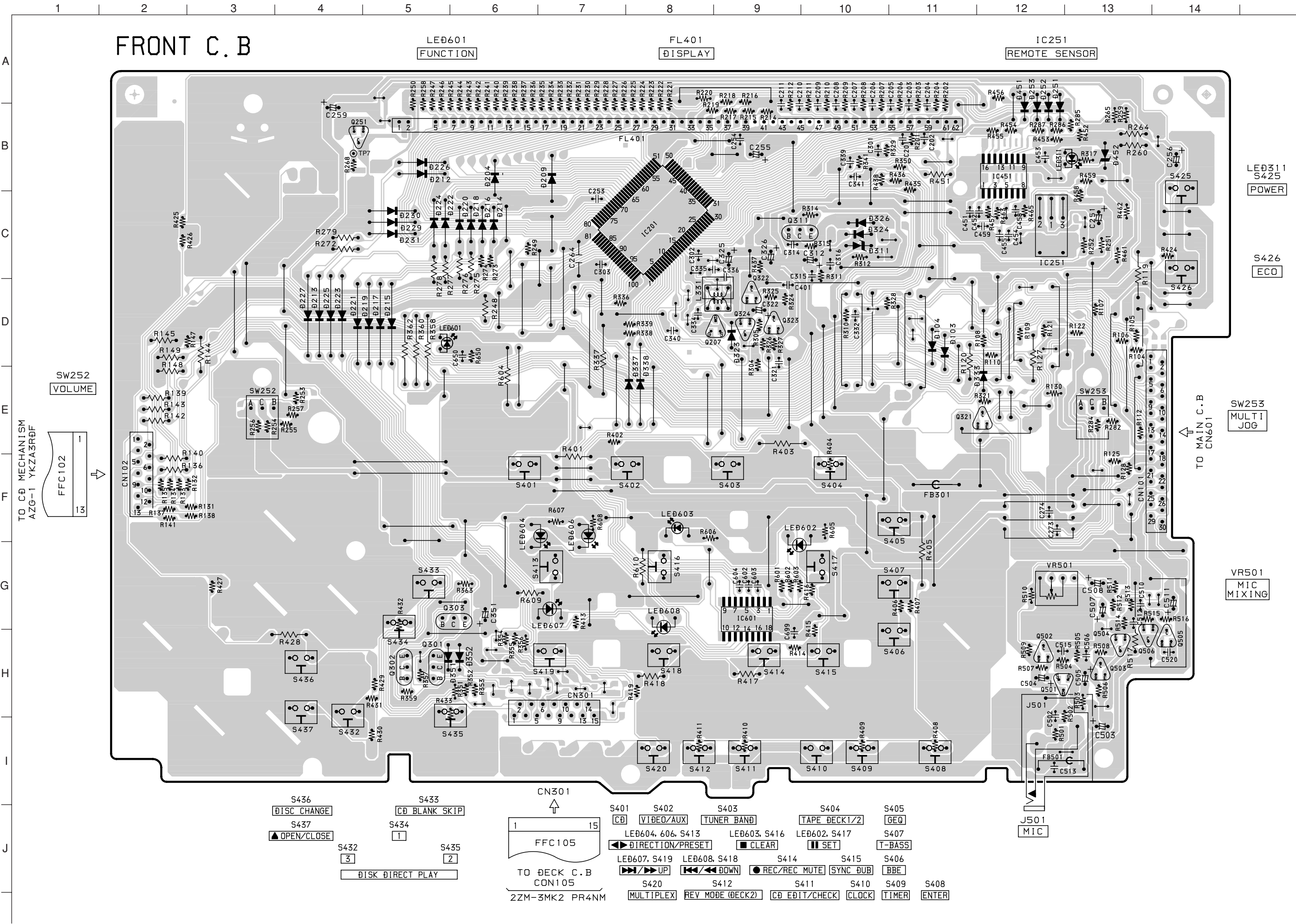
WIRING-1 (MAIN C.B) <EZ, K, HS>



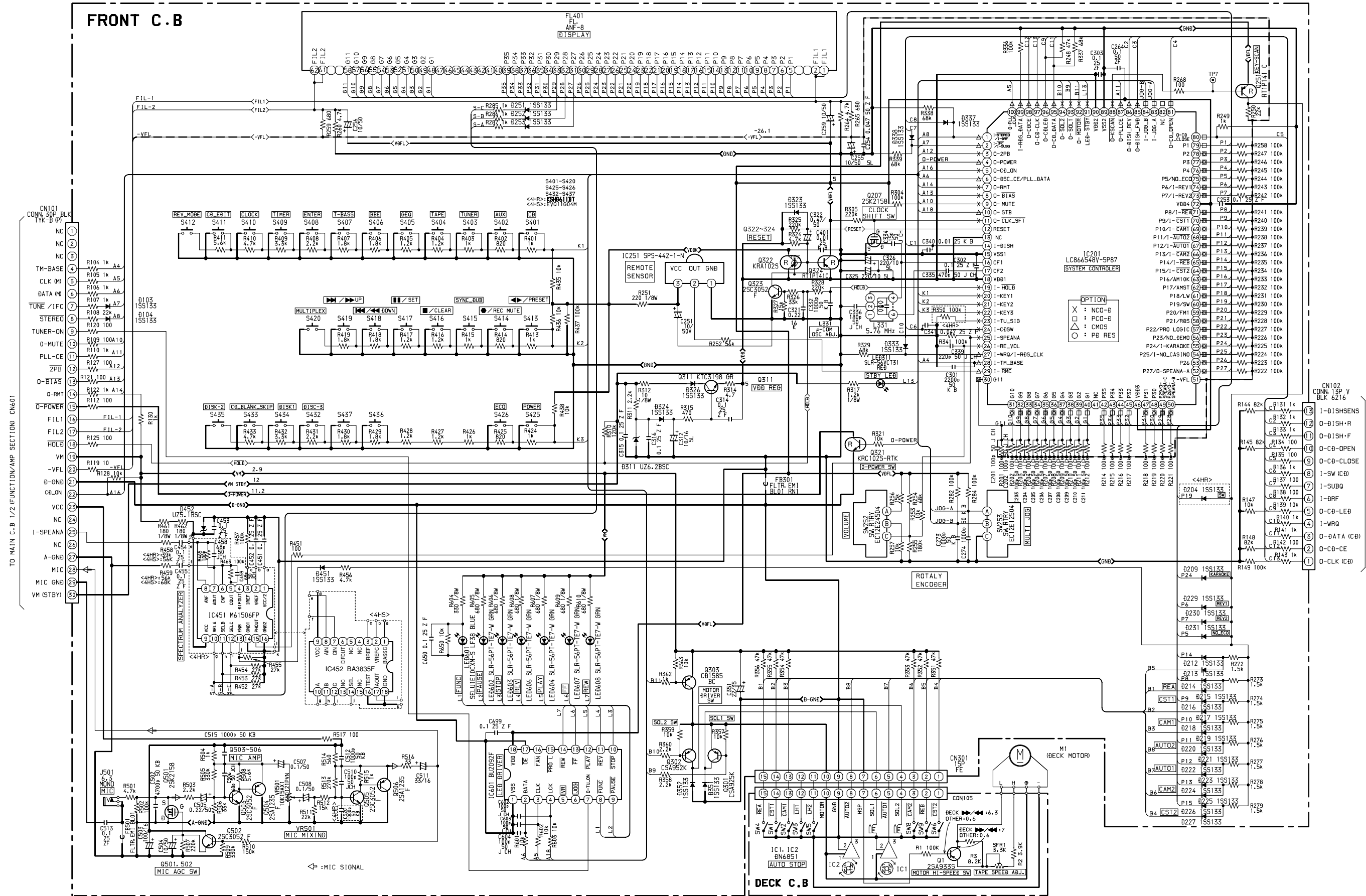




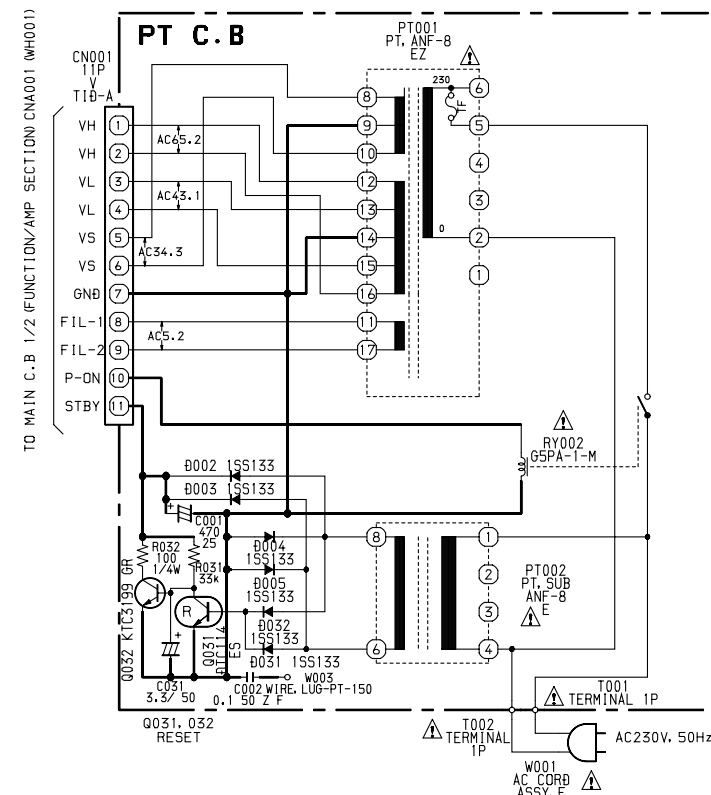




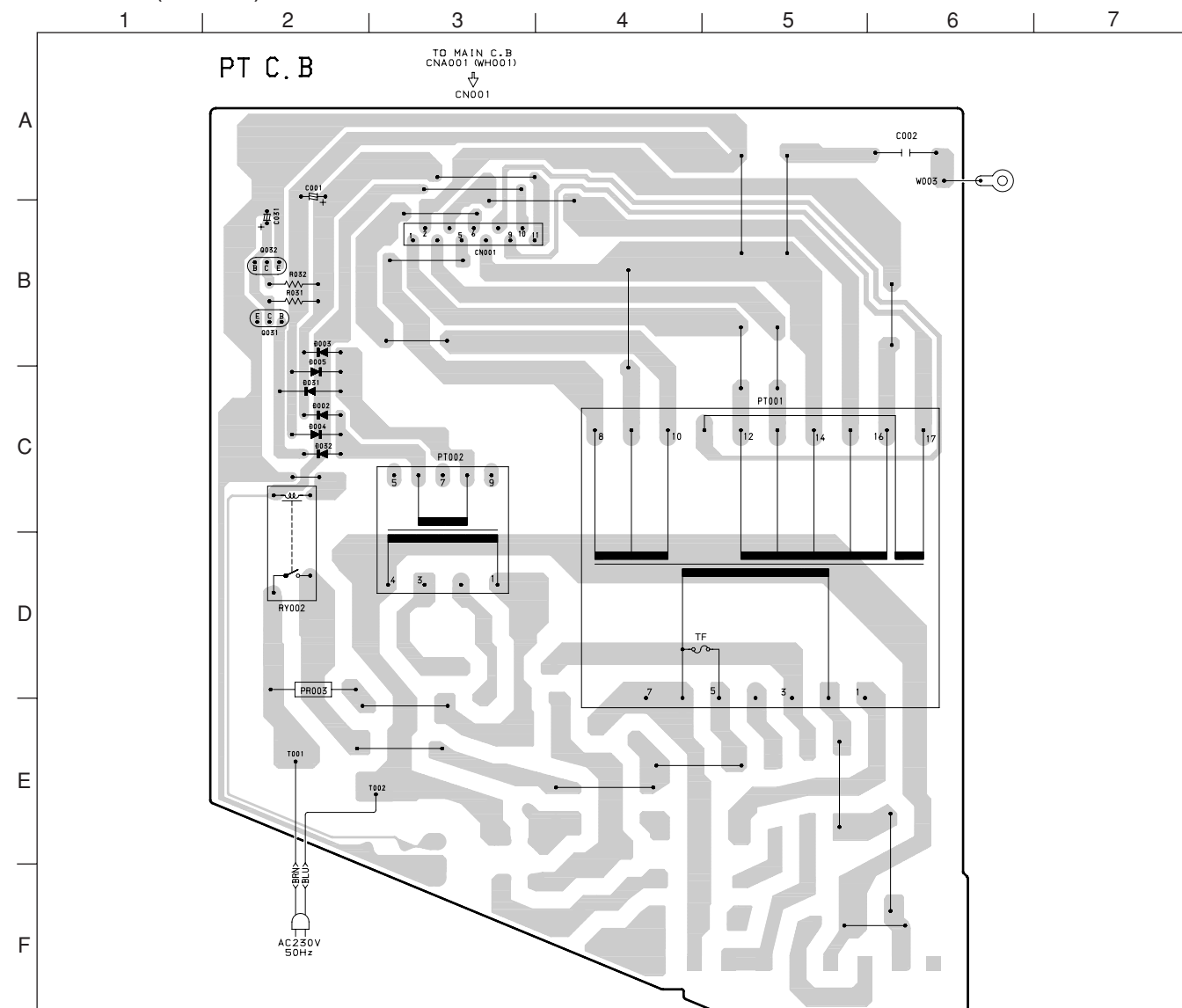
SCHEMATIC DIAGRAM-6 (FRONT SECTION) <HS, HR>



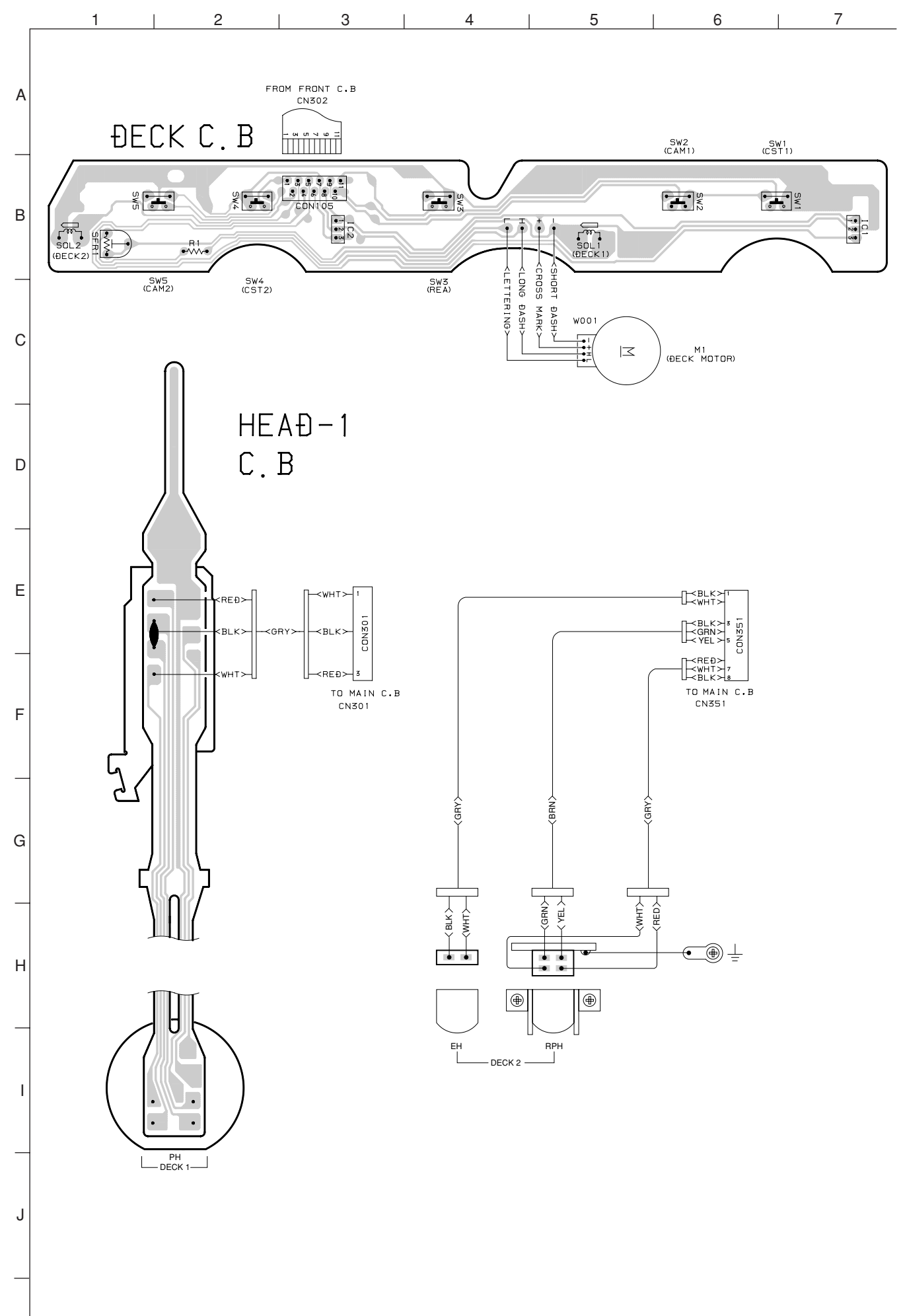
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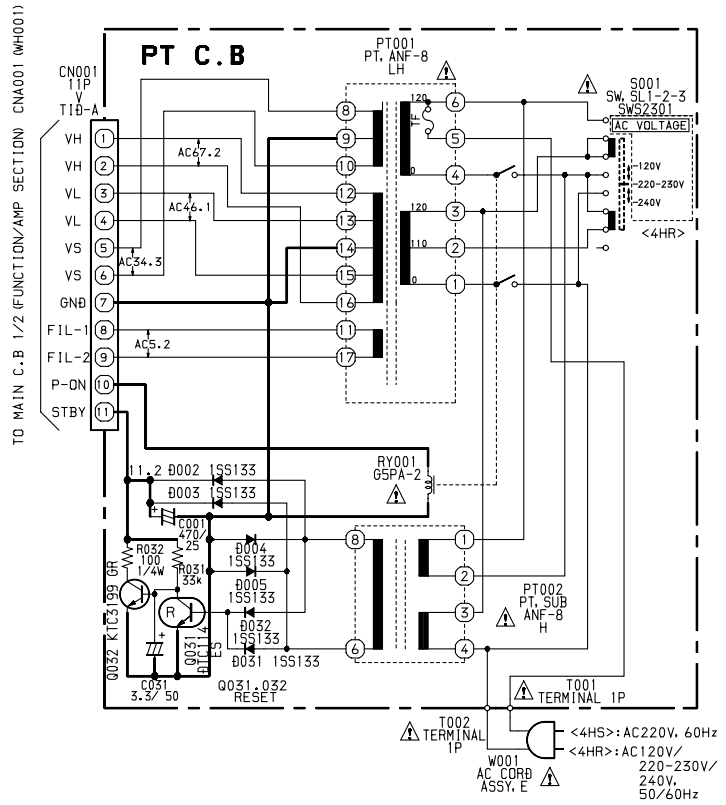
WIRING-5 (PT C.B) <EZ,K>



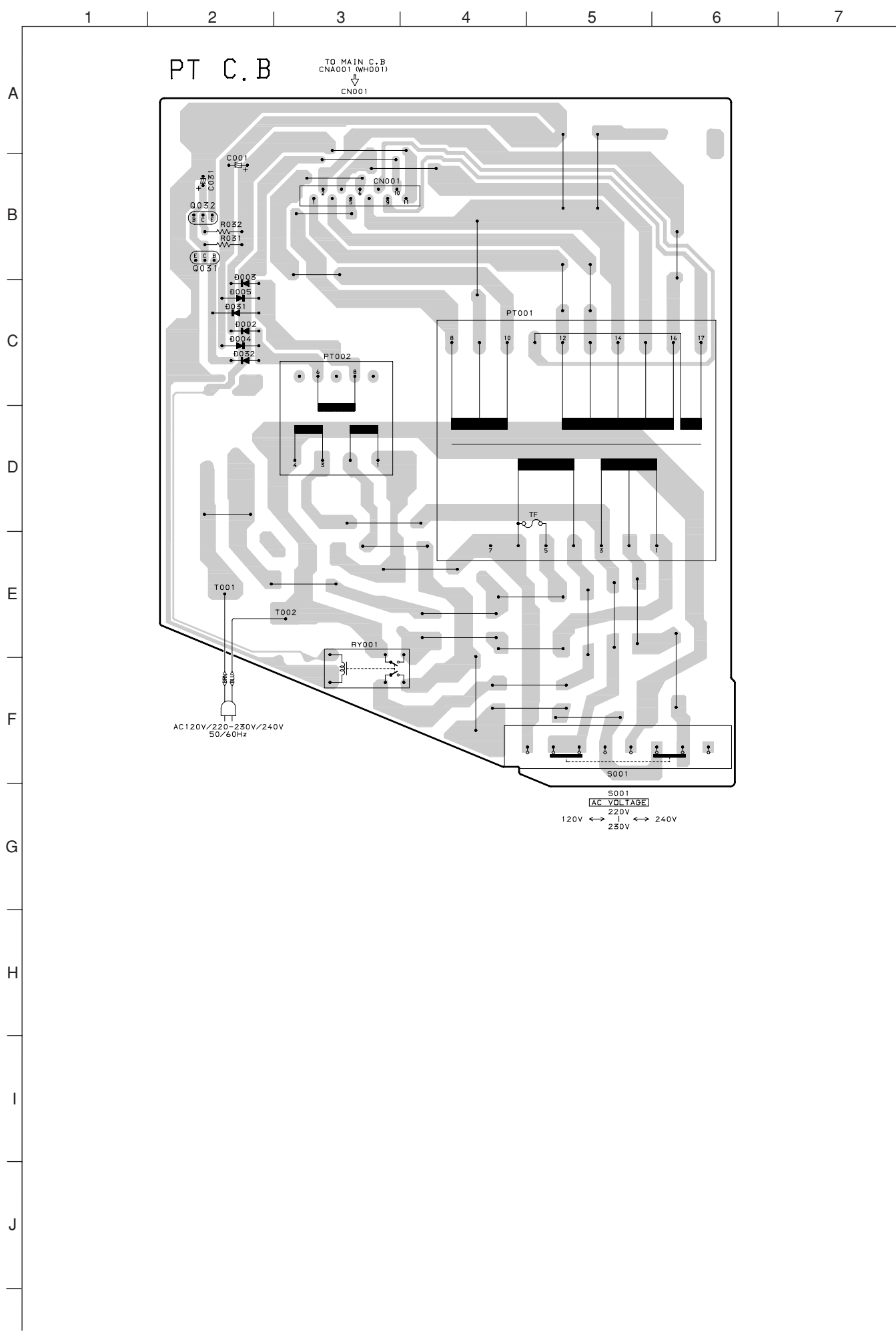
WIRING-6 (DECK C.B) <EZ,K>



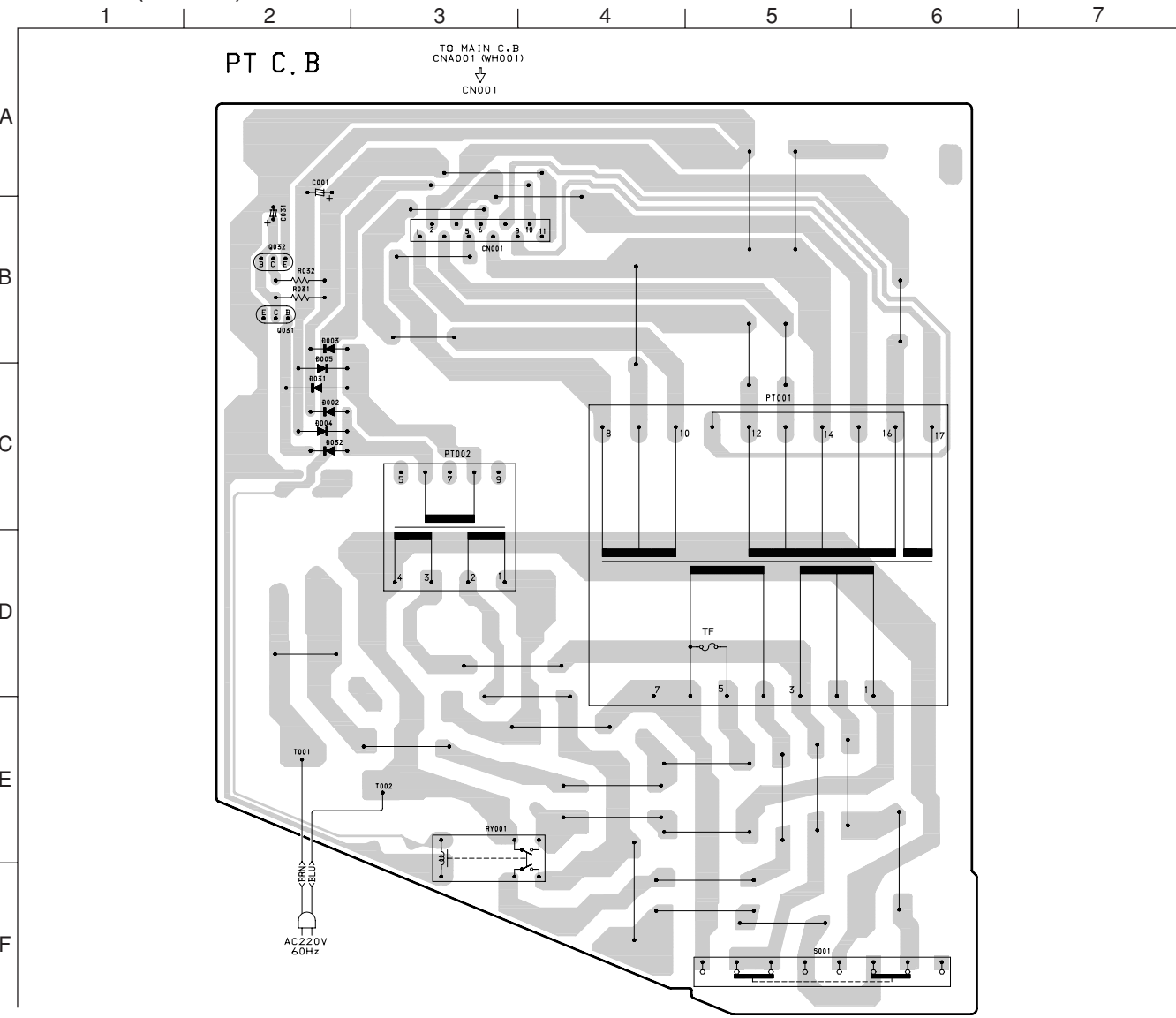
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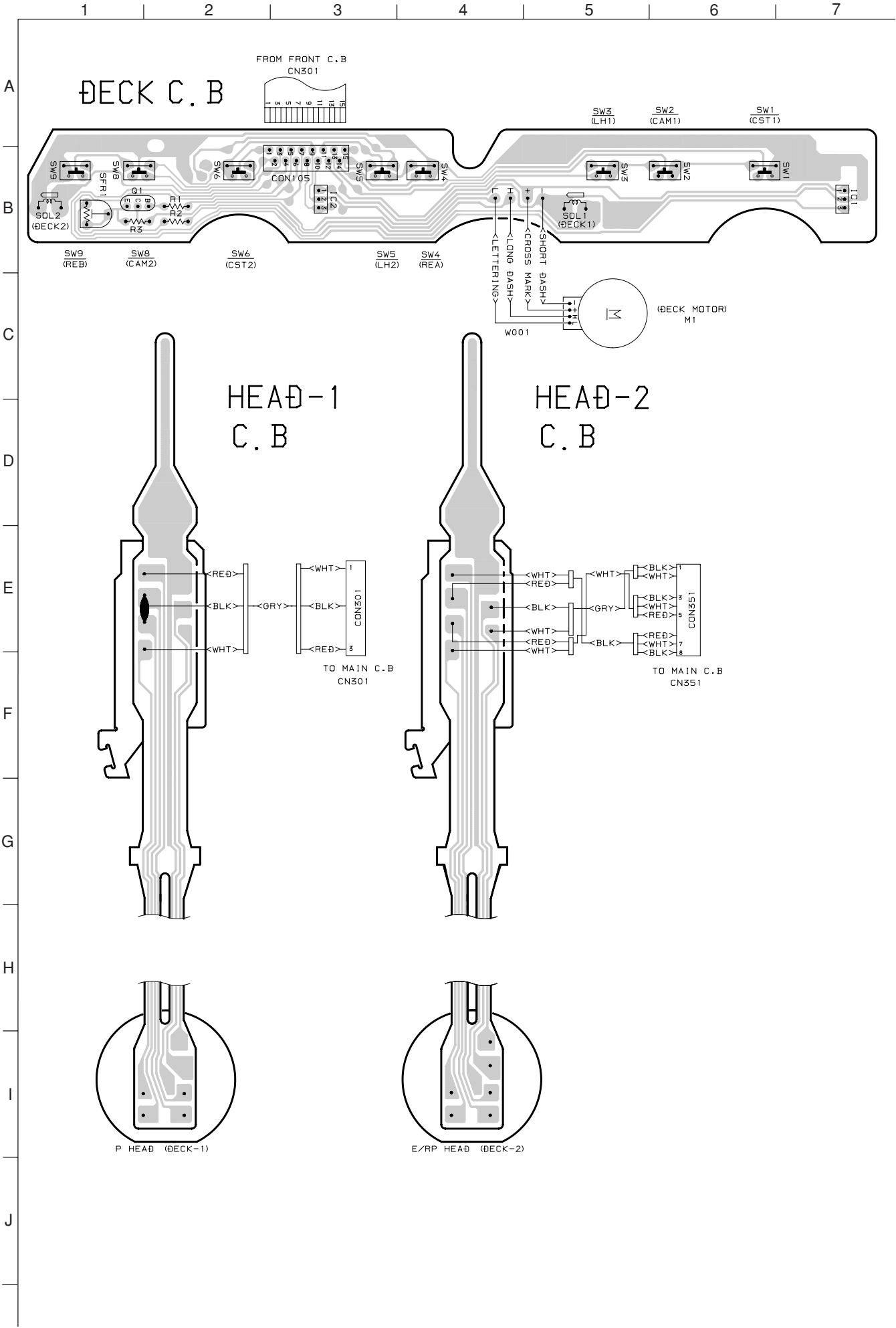
WIRING-8 (PT C.B) <HR>



WIRING-7 (PT C.B) <HS>

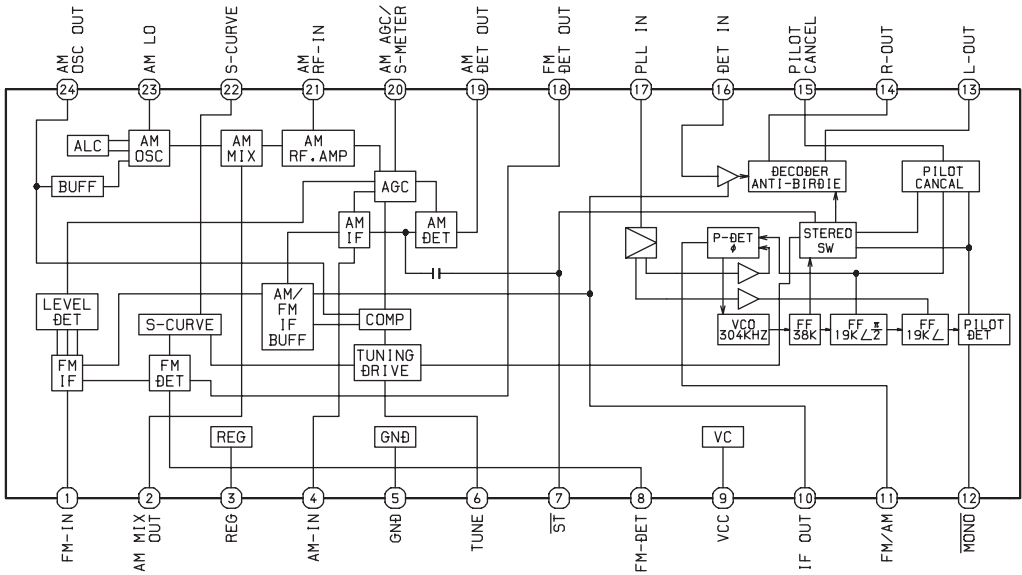


WIRING-9 (DECK C.B) <HS, HR>

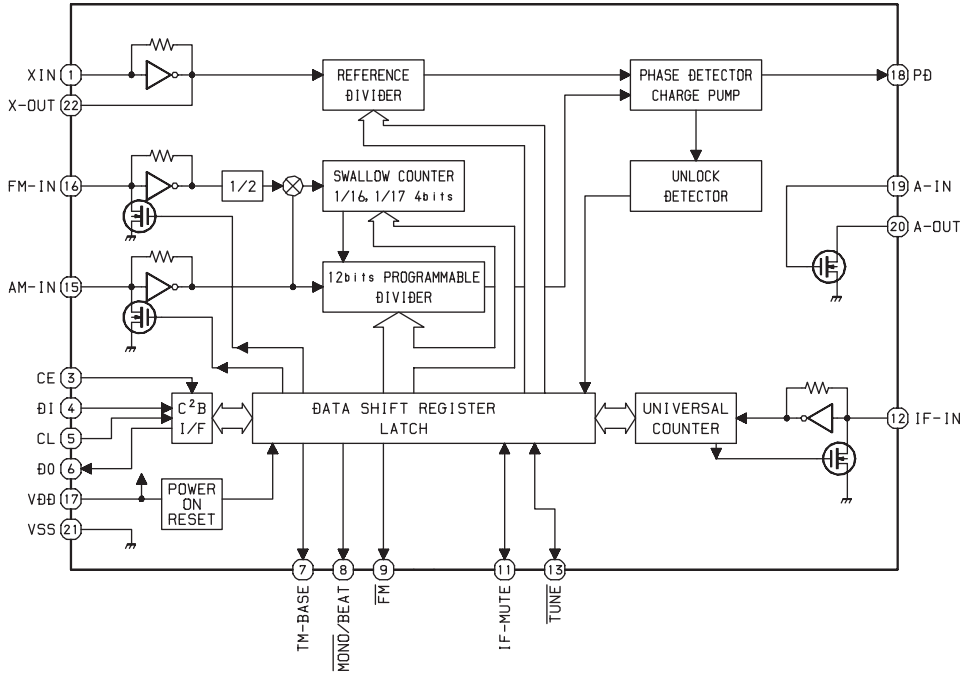


IC BLOCK DIAGRAM

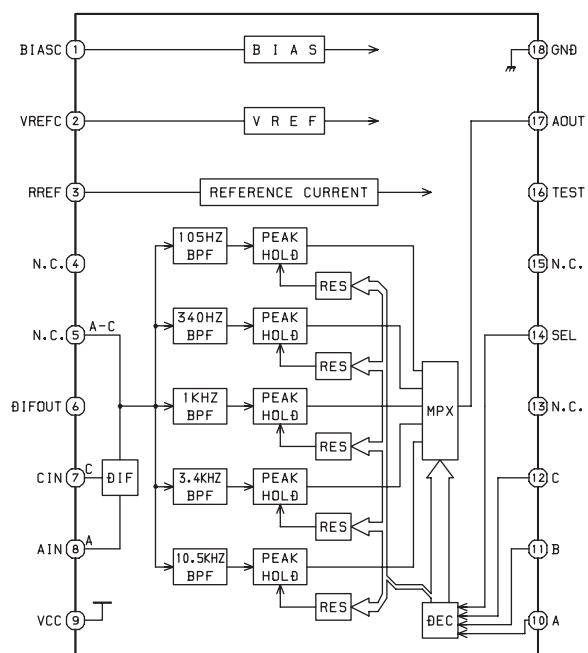
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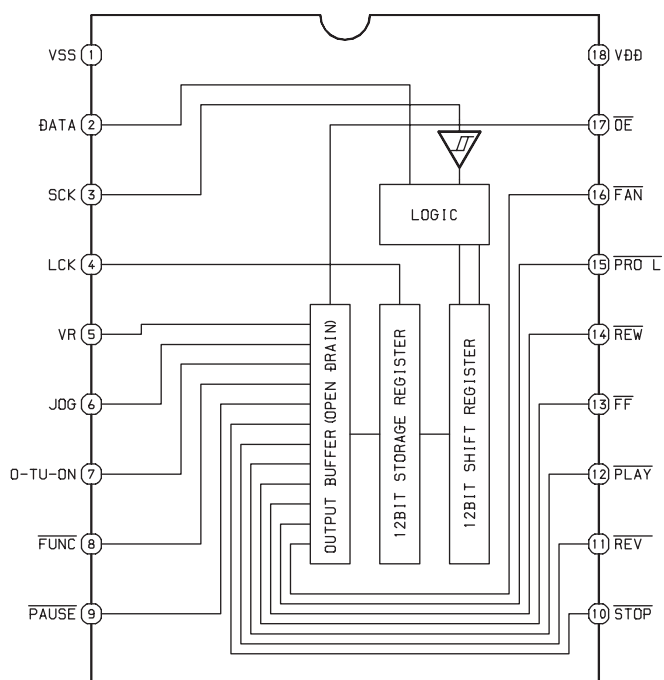
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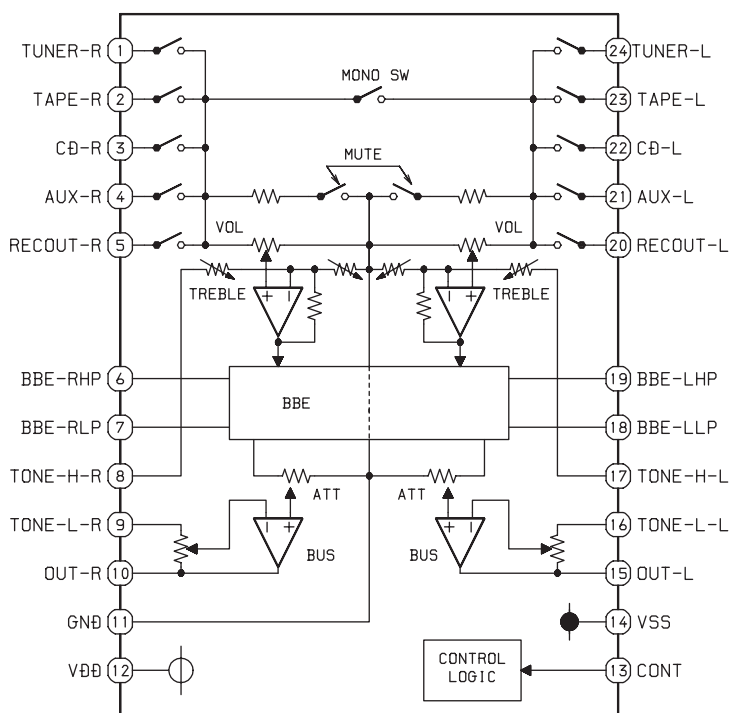
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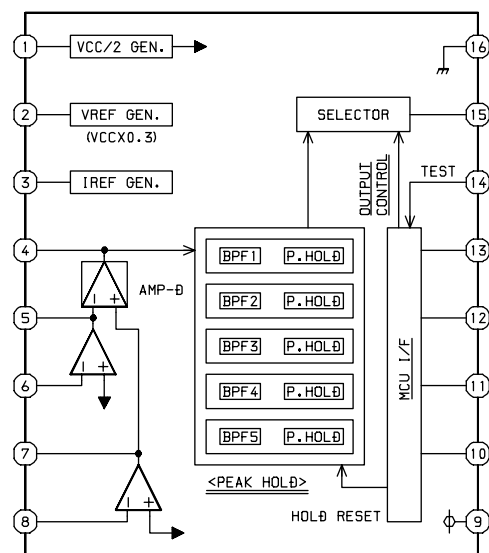
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IC, M61506FP



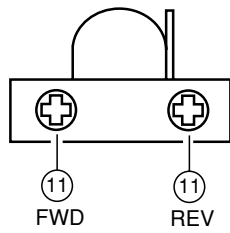
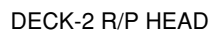
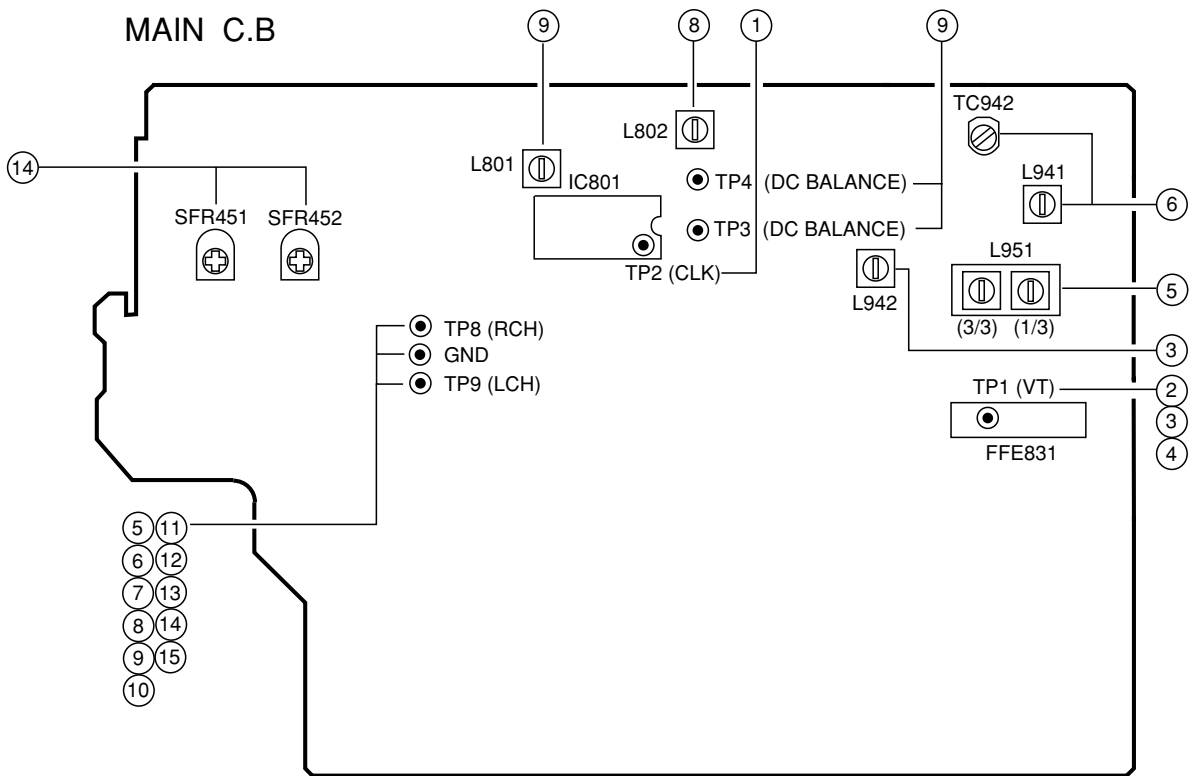
IC DESCRIPTION

IC, LC866560W-5P89 <56EZ>, LC866548V-5P87 <Except 56EZ>

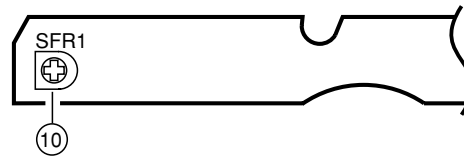
Pin No.	Pin Name	I/O	Description
1	I-STEREO/I-DRF	I	Stereo detected input/CD DRF input
2	I-IFC/I-SUBQ	I	Tune IF count serial data input/CD SUBQ input
3	O-2PB	O	Deck 2 playback switch output
4	O-POWER	O	System power supply ON/ $\overline{\text{OFF}}$ output
5	O-CD-ON	O	CD power ON/ $\overline{\text{OFF}}$ output
6	O-PLL_DATA	O	LED driver, Tuner IC, Function IC data output
7	O-RMT	O	Deck 2 REC MUTE output
8	O-BIAS	O	Deck 2 bias $\overline{\text{ON}}$ /OFF output
9	O-MUTE	O	System mute ON/ $\overline{\text{OFF}}$ output
10	O-STB	O	Latch strobe output for LED driver IC
11	O-CLK_SFT	O	Micon clock shift output
12	RESET	I	System reset
13	NC	–	Not connected
14	I-DISH	I	CD turntable photo sensor A/D converter input
15	VSS1	–	GND
16	CF1	–	5.76 MHz oscillator circuit
17	CF2	–	5.76 MHz oscillator circuit
18	VDD1	–	Power supply input
19	I-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-TU_SIG	I	Tuner signal input
24	I-CDSW	I	CD mechanical switch A/D converter input
25	I-SPEANA	I	A/D input for spectrum analyzer display
26	I-RE_VOL	I	Rotary encoder input (VOL)
27	I-WRQ/I-RDS_CLK	I	CD WRQ input/Tuner RDS clock input
28	I-TM_BASE	I	Reference clock input for timer watch
29	I-RMC	I	System remotecontrol signal input
30 ~ 40	G11 ~ G1	O	FL GRID output G11 ~ G1
41	NC	–	Not connected
42 ~ 45	P35 ~ P32	O	FL SEGMENT output P35 ~ P32
46	VDD3	–	Power supply input
47 ~ 48	P31 ~ P30	O	FL SEGMENT output P31 ~ P30
49	P29/O-SPEANA-C	O	FL SEGMENT output P29/Spectrum analyzer band switching output
50	P28/O-SPEANA-B	O	FL SEGMENT output P28/Spectrum analyzer band switching output
51	VFL	–	Power supply input for FL display
52	P27/O-SPEANA-A	O	FL SEGMENT output P27/Spectrum analyzer band switch output
53	P26	O	FL SEGMENT output P26
54	P25/I-NO_CASINO	I/O	FL SEGMENT output P25/NO CASINO DEMO input to diode
55	P24/I-KARAOKE	I/O	FL SEGMENT output P24/KARAOKE input to diode
56	P23/NO_DEMO	I/O	FL SEGMENT output P23/NO DEMO input to diode

Pin No.	Pin Name	I/O	Description
57	P22/PRO LOGIC	I/O	FL SEGMENT output P22/PROLOGIC input to diode (not used)
58	P21/RDS	I/O	FL SEGMENT output P21/RDS input to diode
59	P20/FM1	I/O	FL SEGMENT output P20/FM1 input to diode
60	P19/SW	I/O	FL SEGMENT output P19/SW input to diode
61	P18/LW	I/O	FL SEGMENT output P18/LW input to diode
62	P17/AMST	I/O	FL SEGMENT output P17/AMST input to diode
63	P16/AM10K	I/O	FL SEGMENT output P16/AM10K input to diode
64	P15/I- $\overline{\text{CST2}}$	I/O	FL SEGMENT output P15/DECK2 cassette detect switch data input
65	P14/I- $\overline{\text{REB}}$	I/O	FL SEGMENT output P14/DECK2 side-B record OK switch data input
66	P13/I- $\overline{\text{CAM2}}$	I/O	FL SEGMENT output P13/DECK2 CAM switch signal input
67	P12/I- $\overline{\text{AUTO1}}$	I/O	FL SEGMENT output P12/DECK1 AUTO STOP signal input
68	P11/I- $\overline{\text{AUTO2}}$	I/O	FL SEGMENT output P11/DECK2 AUTO STOP signal input
69	P10/I- $\overline{\text{CAM1}}$	I/O	FL SEGMENT output P10/DECK1 CAM switch data input
70	P9/I- $\overline{\text{CST1}}$	I/O	FL SEGMENT output P9/DECK1 cassette detect switch data input
71	P8/I- $\overline{\text{REA}}$	I/O	FL SEGMENT output P8/DECK2 side A record OK switch data input
72	VDD4	–	Power supply input
73	P7/I-REV2	I/O	FL SEGMENT output P7/DECK2 REVERSE mode input to diode
74	P6/I-REV1	I/O	FL SEGMENT output P6/DECK1 REVERSE mode input to diode
75	P5/NO_ECO	I/O	FL SEGMENT output P5/NO ECO MODE input to diode
76 ~ 79	P4 ~ P1	O	FL SEGMENT output P4 ~ P1
80	O-CD CLOSE	O	CD TRAY CLOSE data output
81	O-CD OPEN	O	CD TRAY OPEN data output
82	NC	–	Not connected
83	I-JOG_A	I	Rotary encoder A input (JOG)
84	I-JOG_B	I	Rotary encoder B input (JOG)
85	O-DISH_FWD	O	CD turntable forward rotation output
86	O-DISH_REV	O	CD turntable reverse rotation output
87	O-PLL_CE	O	PLL IC chip enable output
88	O- $\overline{\text{KSCAN}}$	O	Switch SCAN timing output
89	VSS2	–	GND
90	VDD2	–	Power supply input
91	LED- $\overline{\text{STBY}}$	O	STAND BY LED (Echo mode) ouput
92	O- $\overline{\text{MOTOR}}$	O	DECK MOTOR $\overline{\text{ON}}$ /OFF output
93	O- $\overline{\text{SOL1}}$	O	DECK1 soleroid ouput
94	O- $\overline{\text{SOL2}}$	O	DECK2 soleroid ouput
95	O-CD-DATA	O	CD DATA output
96	O-CD-LED	O	CD LED output
97	O-CD CLK	O	CD clock output
98	O-CD CE	O	CD chip enable output
99	I-RDS_DATA	I	RDS data input
100	O-PLL_CLK	O	PLL IC CLOCK output

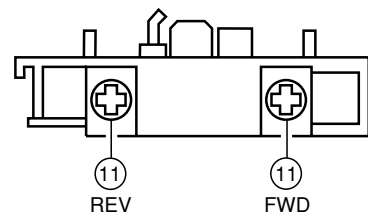
ADJUSTMENT <EZ, K>



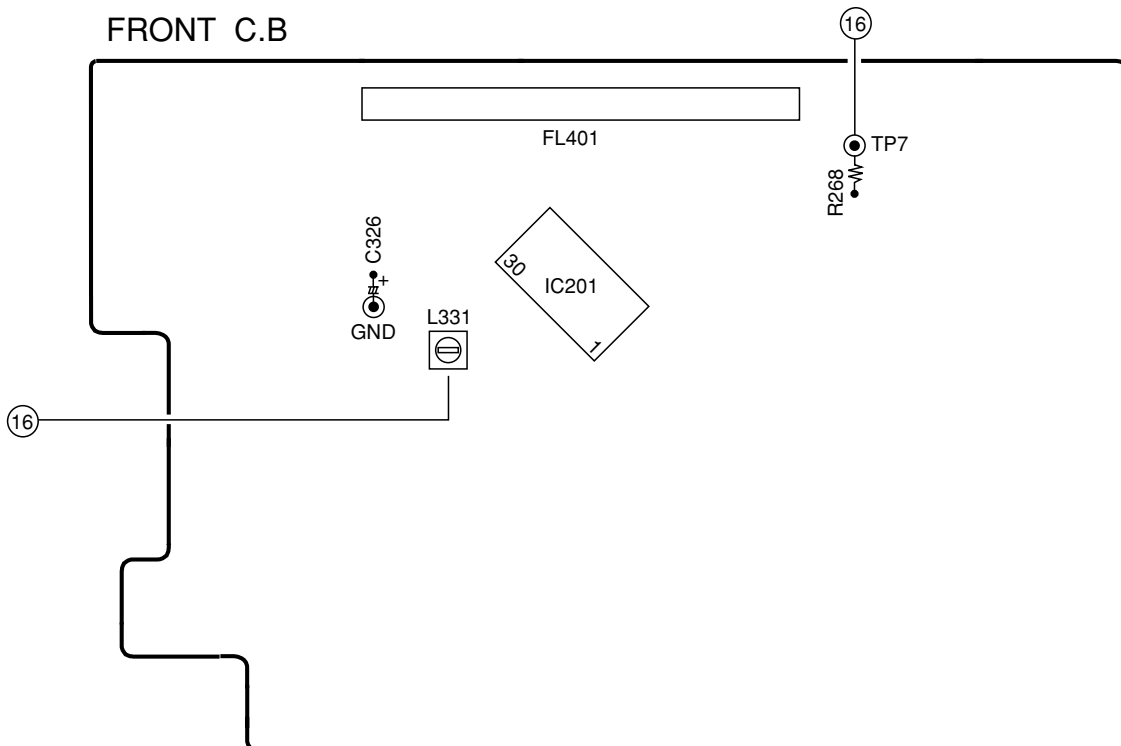
DECK C.B



DECK-1 P HEAD



FRONT C.B



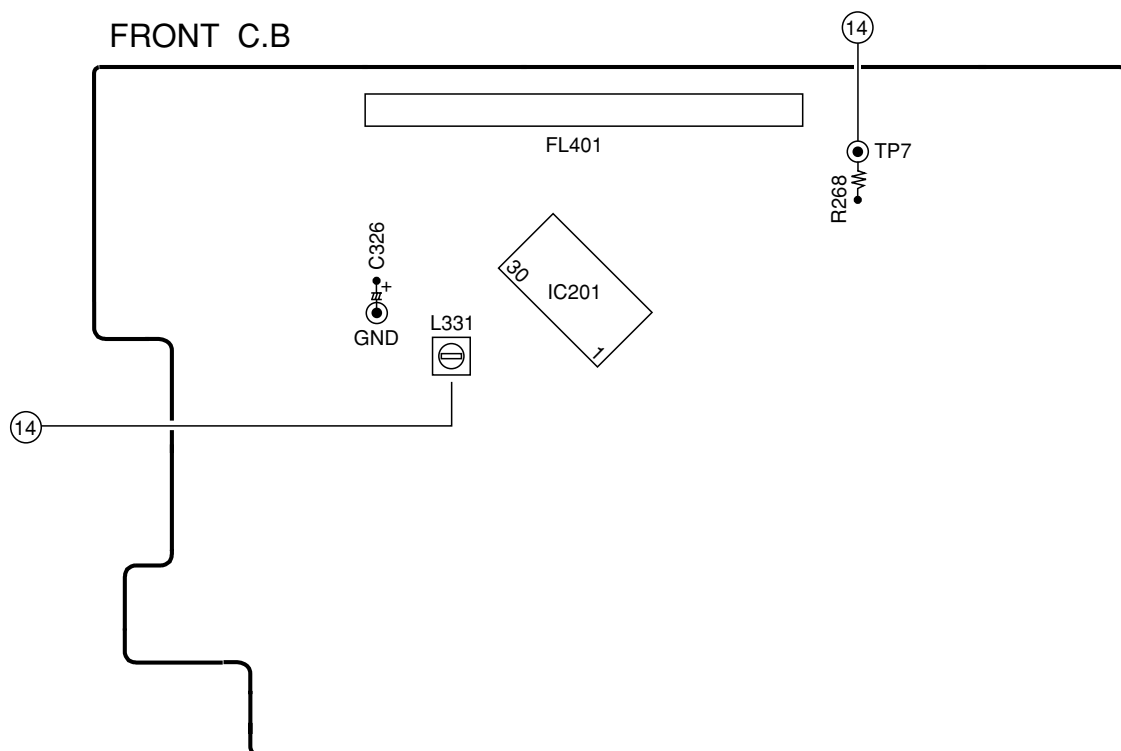
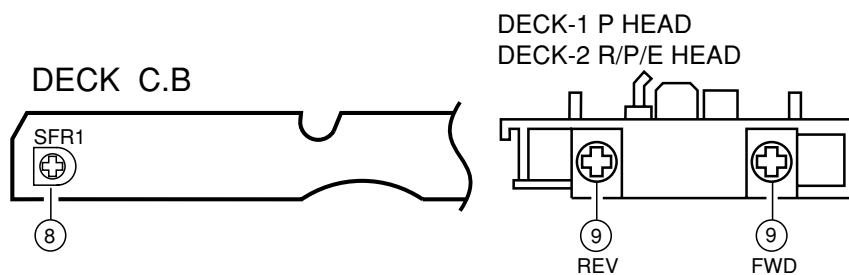
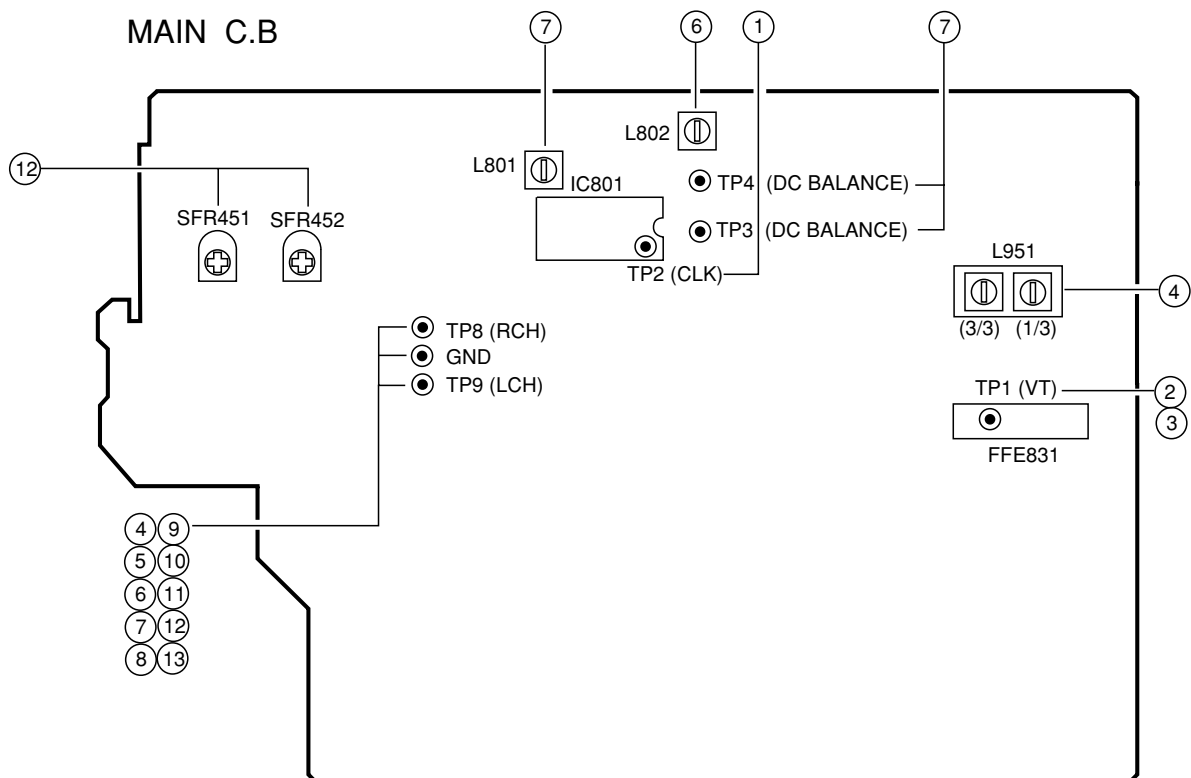
< TUNER SECTION >

1. Clock frequency Check
Settings : • Test point : TP2
Method : Set to AM 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, 531kHz and check that the test point is less than 8.0V (1602kHz) and more than 0.6V (531kHz).
3. LW VT Adjustment
Settings : • Test point : TP1 (VT)
• Adjustment location: L942
Method : Set to LW 144kHz and adjust L942 so that the test point is 1.3V $\pm$ 0.05V.
Then set to LW 290kHz and check that the test point is less than 8.0V.
4. FM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).
5. MW Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L951(1/3) 999kHz
Method : Set to MW 999kHz and adjust L951(1/3) so that the level at the test point becomes maximum.
6. LW Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location : L941, TC942
Method : Set up TC942 to center position.
Set to LW 144kHz and adjust L941 so that the level at test point becomes maximum.
Then set to LW 290kHz and adjust TC942 so that the level at test point becomes maximum.
7. 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.
8. AM IF Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L802 999kHz
9. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC Balance)
• TP8(Lch), TP9(Rch) (Distortion)
• Adjustment location : L801
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 0.3V.
Next, check that the distortion is less than 1.3%.

< DECK SECTION >

10. Tape Speed Adjustment (DECK 2)
Settings : • Test tape : TTA-100
• Test point : TP8(Lch), TP9(Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz $\pm$ 5Hz and $\pm$ 45Hz (REV) with respect to forward speed.
 11. Head Azimuth Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP8(Lch), TP9(Rch)
• Adjustment location : Head azimuth adjustment screw
Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.
 12. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-300
• Test point : TP8(Lch), TP9(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 within 5dB.
 13. PB Sensitivity Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-200
• Test point : TP8(Lch), TP9(Rch)
Method : Play back the test tape and check that the output level of the test point is 140mV $\pm$ 3dB.
 14. REC/PB Frequency Response Adjustment (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch), TP9(Rch)
• Input signal : 1kHz / 8kHz (LINE IN)
• Adjustment location : SFR451 (Lch)
SFR452 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.
 15. REC/PB Sensitivity Check (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch), TP9(Rch)
• Input signal : 1kHz (LINE IN)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU. Record and play back the 1kHz signals and check that the output is -2dB $\pm$ 3.0dB.
- ## < FRONT SECTION >
16. μ -CON OSC Adjustment
Settings : • Test point : TP7 and GND
• Adjustment location : L331
Method : Insert AC plug while pressing POWER and TUNER function keys. Adjust L331 so that the frequency at the test point is 153.84Hz $\pm$ 0.15Hz.

ADJUSTMENT <HS>



< TUNER SECTION >

1. Clock frequency Check
Settings : • Test point : TP2
Method : Set to AM 1602kHz and check that the test point is 2052kHz $\pm$ 45Hz.
2. AM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to AM 1710kHz, 530kHz and check that the test point is less than 8.5V (1710kHz) and more than 0.6V (530kHz).
3. FM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).
4. AM Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L951(1/3) 1000kHz
Method : Set to AM 1000kHz and adjust L951(1/3) so that the level at the test point becomes maximum.
5. 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 9dB μ V.
6. AM IF Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L802 1000kHz
7. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC Balance)
: TP8(Lch), TP9(Rch) (Distortion)
• Adjustment location : L801
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 0.3V.
Next, check that the distortion is less than 1.3%.

< DECK SECTION >

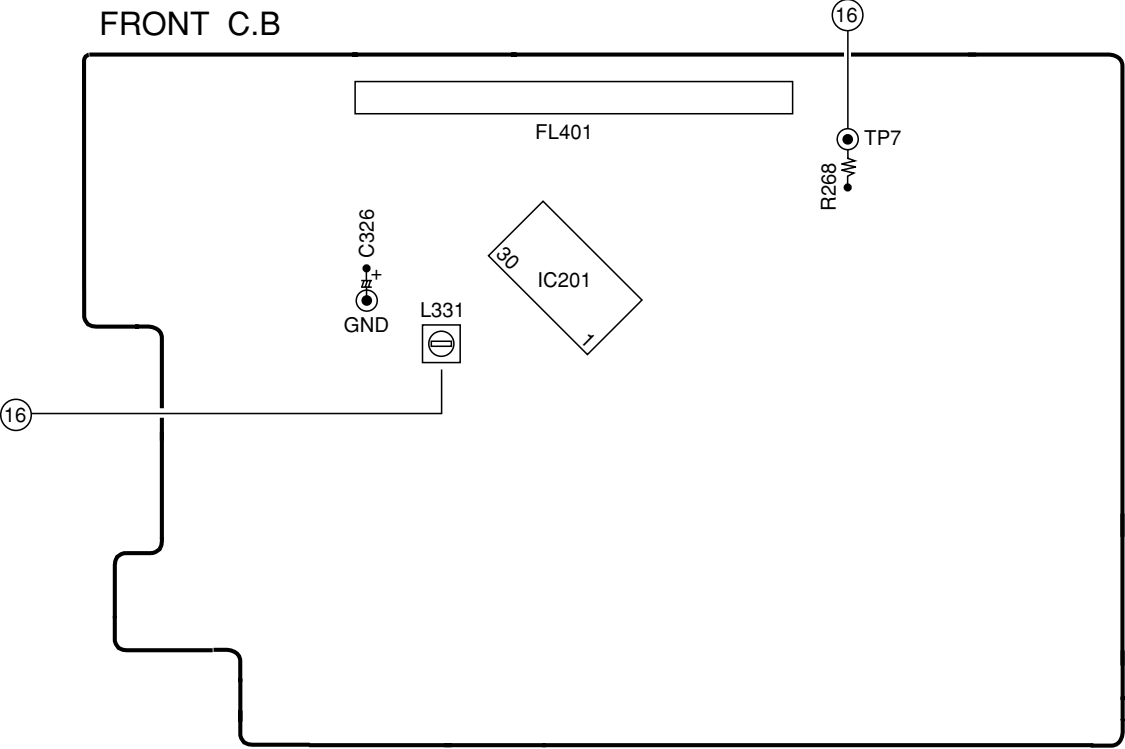
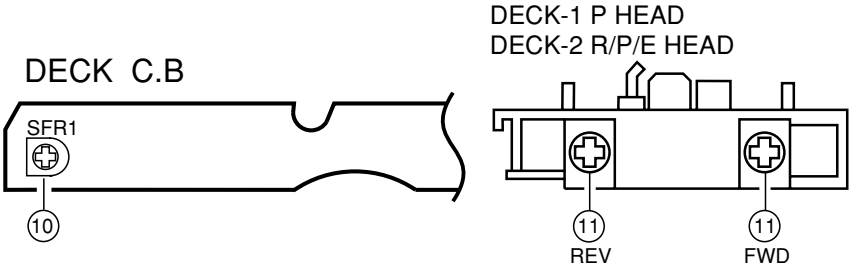
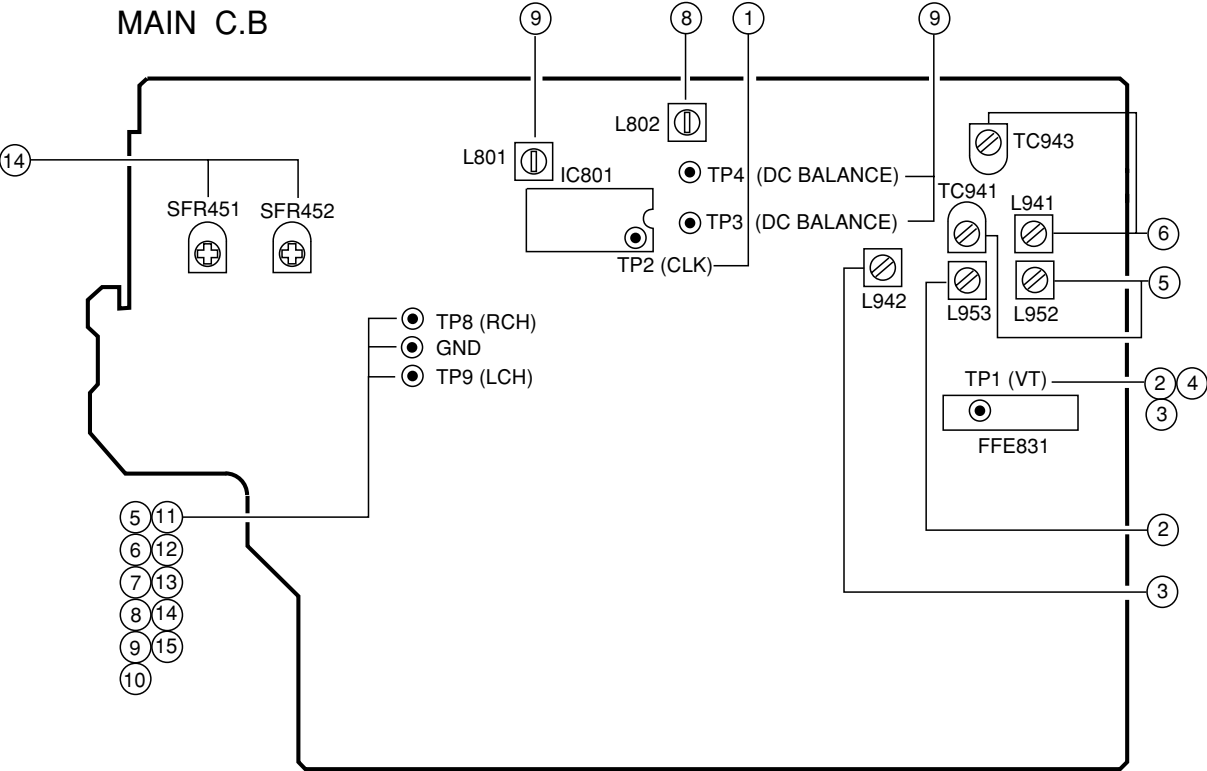
8. Tape Speed Adjustment (DECK 2)
Settings : • Test tape : TTA-100
• Test point : TP8(Lch), TP9(Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz $\pm$ 5Hz and $\pm$ 45Hz (REV) with respect to forward speed.
9. Head Azimuth Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP8(Lch), TP9(Rch)
• Adjustment location : Head azimuth
adjustment screw
Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

10. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-300
• Test point : TP8(Lch), TP9(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 within 5dB.
11. PB Sensitivity Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-200
• Test point : TP8(Lch), TP9(Rch)
Method : Play back the test tape and check that the output level of the test point is 140mV $\pm$ 3dB.
12. REC/PB Frequency Response Adjustment (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch), TP9(Rch)
• Input signal : 1kHz / 8kHz (LINE IN)
• Adjustment location : SFR451 (Lch)
SFR452 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.
13. REC/PB Sensitivity Check (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch), TP9(Rch)
• Input signal : 1kHz (LINE IN)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU. Record and play back the 1kHz signals and check that the output is -2dB $\pm$ 3.0dB.

< FRONT SECTION >

14. μ -CON OSC Adjustment
Settings : • Test point : TP7 and GND
• Adjustment location : L331
Method : Insert AC plug while pressing POWER and TUNER function keys. Adjust L331 so that the frequency at the test point is 153.84Hz $\pm$ 0.15Hz.

ADJUSTMENT <HR>



< TUNER SECTION >

1. Clock frequency Check
Settings : • Test point : TP2
Method : Set to WM 1602kHz and check that the test point is 2052kHz $\pm$ 45Hz.
2. MW VT Adjustment
Settings : • Test point : TP1 (VT)
• Adjustment location : L953
Method : Set to MW 1710kHz, 530kHz and adjust L953 so that the test point is 8.0V $\pm$ 0.05V (1710kHz) and more than 0.3V (530kHz).
3. SW VT Adjustment
Settings : • Test point : TP1 (VT)
• Adjustment location : L942
Method : Set to SW 17.9MHz, 5.73MHz and adjust L942 so that the test point is 8.0V $\pm$ 0.05V (17.9MHz) and more than 0.3V (5.9MHz).
4. FM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).
5. MW Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L952 603kHz
TC941 1404kHz
Method : Set to MW 603kHz and adjust L952 so that the level at the test point becomes maximum.
Next, set to MW 1404kHz and adjust TC941 so that the level at the test point becomes maximum.
6. SW Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L941 5.9MHz
TC943 17.9MHz
Method : Set to SW 5.9MHz and adjust L941 so that the level at the test point becomes maximum.
Next, set to SW 17.9MHz and adjust TC943 so that the level at the test point becomes maximum.
7. 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 9dB μ V.
8. AM IF Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L802 999kHz
9. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC Balance)
• Test point : TP8(Lch), TP9(Rch) (Distortion)
• Adjustment location : L801
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 0.3V.
Next, check that the distortion is less than 1.3%.

< DECK SECTION >

10. Tape Speed Adjustment (DECK 2)
Settings : • Test tape : TTA-100
• Test point : TP8(Lch), TP9(Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz $\pm$ 5Hz and $\pm$ 45Hz (REV) with respect to forward speed.
11. Head Azimuth Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP8(Lch), TP9(Rch)
• Adjustment location : Head azimuth adjustment screw
Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.
12. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-300
• Test point : TP8(Lch), TP9(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 within 5dB.
13. PB Sensitivity Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-200
• Test point : TP8(Lch), TP9(Rch)
Method : Play back the test tape and check that the output level of the test point is 140mV $\pm$ 3dB.
14. REC/PB Frequency Response Adjustment (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch), TP9(Rch)
• Input signal : 1kHz / 8kHz (LINE IN)
• Adjustment location : SFR451 (Lch)
SFR452 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.
15. REC/PB Sensitivity Check (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch), TP9(Rch)
• Input signal : 1kHz (LINE IN)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU. Record and play back the 1kHz signals and check that the output is -2dB $\pm$ 3.0dB.

< FRONT SECTION >

16. μ -CON OSC Adjustment
Settings : • Test point : TP7 and GND
• Adjustment location : L331
Method : Insert AC plug while pressing POWER and TUNER function keys. Adjust L331 so that the frequency at the test point is 153.84Hz $\pm$ 0.15Hz.

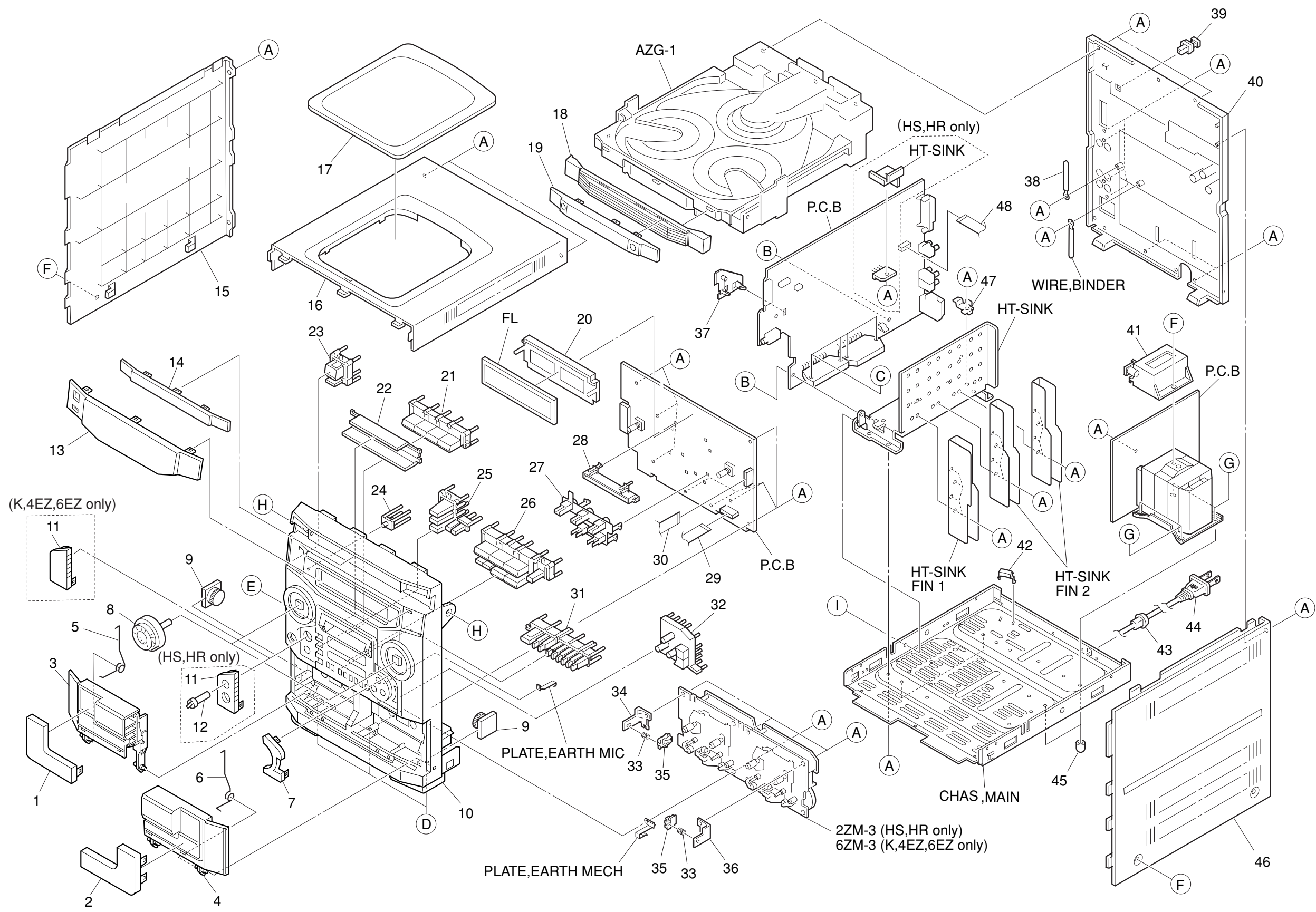
MECHANICAL MAIN PARTS LIST 1/1

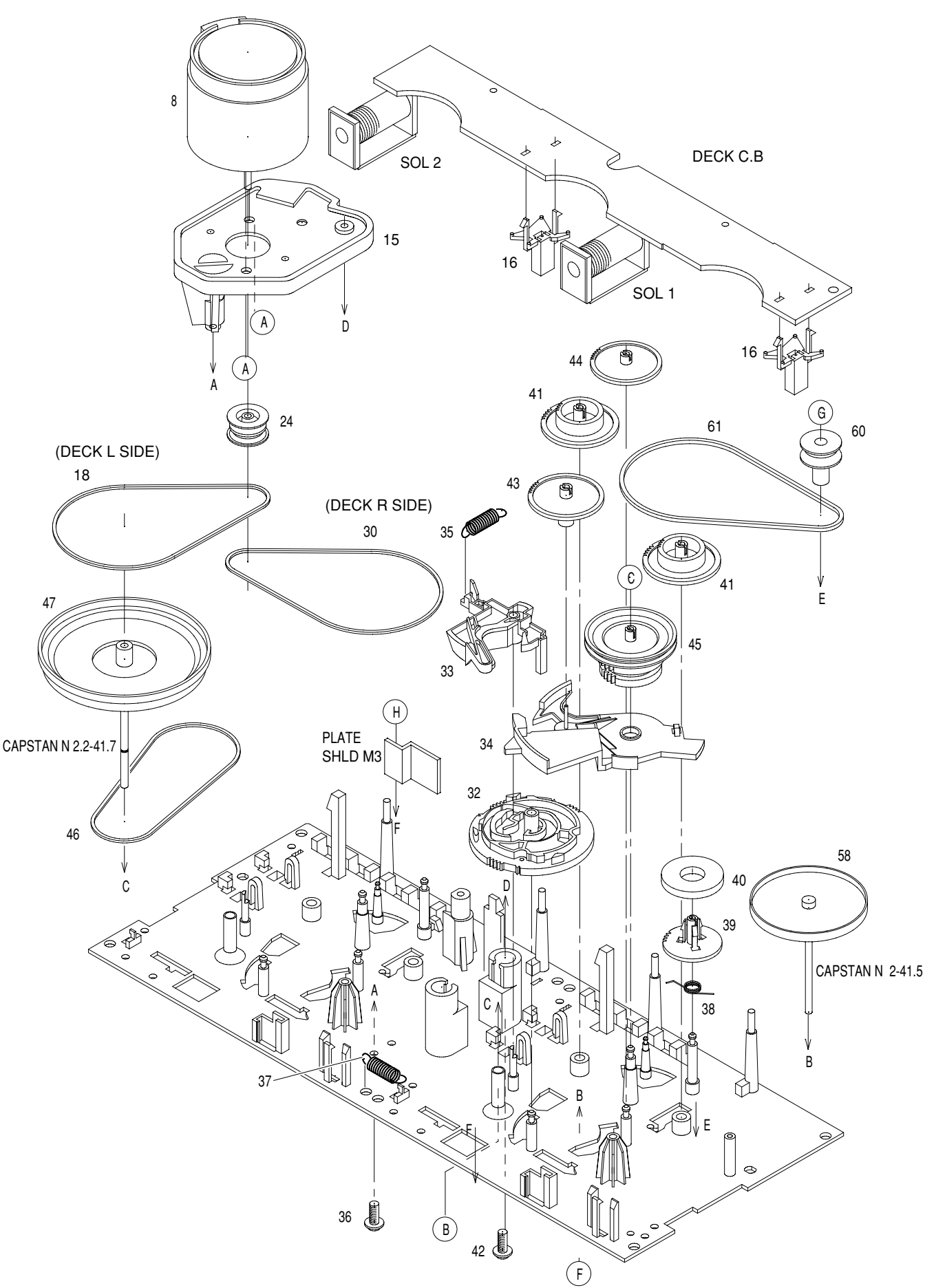
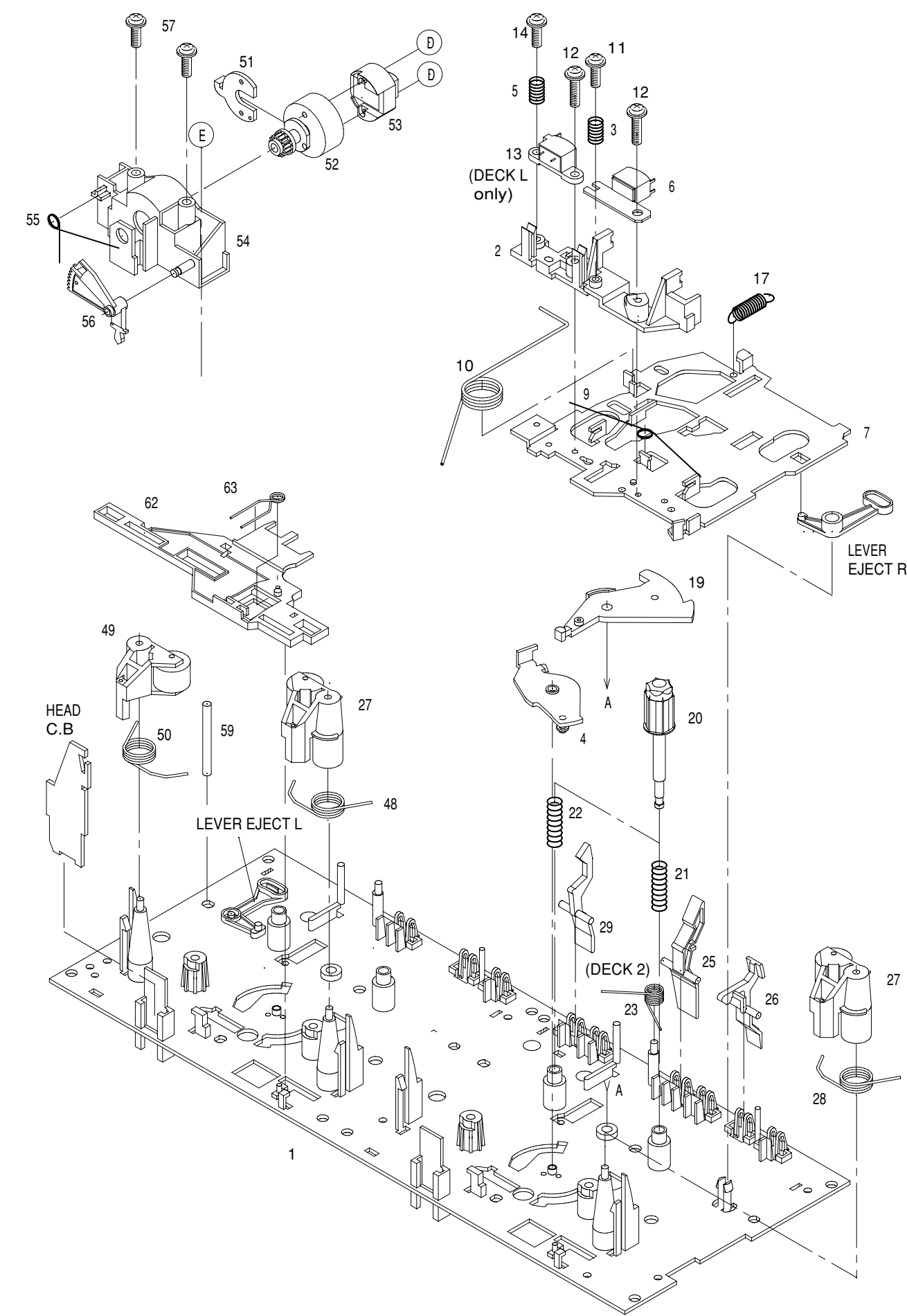
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NFJ-012-010		WINDOW, CASS 1	31	8A-NFJ-030-010		KEY, CD EDIT H<HS, HR>
2	8A-NFJ-013-010		WINDOW, CASS 2	31	8A-NFJ-025-010		KEY, CD EDIT U<K, 4EZ>
3	8A-NFJ-035-010		BOX, CASS 1H	32	8A-NFJ-027-010		KEY, DISC
4	8A-NFJ-003-010		BOX, CASS 2 U<K, 4EZ, 6EZ>	33	86-NF9-224-010		SPR-C, LOCK
4	8A-NFJ-036-010		BOX, CASS 2H<HS, HR>	34	87-NF4-216-010		HLDR, LOCK 1
5	8A-NF8-207-010		SPR-T, EJECT 1<K, 4EZ, 6EZ>	35	82-NF5-229-010		PLATE, LOCK(*)
5	82-NF5-218-010		SPR-T, EJECT 1 (SIN) <HS, HR>	36	87-NF4-217-110		HLDR, LOCK 2
6	8A-NF8-208-010		SPR-T, EJECT 2<K, 4EZ, 6EZ>	37	8A-NF8-206-010		HLDR, PWB M
6	82-NF5-219-010		SPR-T, EJECT 2 (SIN) <HS, HR>	38	87-064-185-010		HLDR, WIRE PVC 0.5
7	8A-NFJ-005-010		WINDOW, FR 2	39	84-ZG1-245-210		CAP, OPTICAL
8	8A-NFJ-017-010		KNOB, RTRY JOG	40	8A-NFJ-065-010		CABI, REAR EZSFD<4EZ>
9	8Z-NF6-210-010		DMPR, 150 N<HS, HR>	40	8A-NFJ-066-010		CABI, REAR EZSFD R<6EZ>
9	8A-NF8-209-010		OIL-DMPR, 120<K, 4EZ, 6EZ>	40	8A-NF8-075-110		CABI, REAR HS W/O SPEC<HS>
10	8A-NFJ-044-010		CABI, FR 54E<K, 4EZ>	40	8A-NFJ-064-010		CABI, REAR KSFD<K>
10	8A-NFJ-034-010		CABI, FR E<6EZ>	41	8A-DB8-209-010		HLDR, PWB PT
10	8A-NFJ-033-010		CABI, FR H<HS, HR>	42	87-NF4-221-010		HLDR, CABLE
11	8A-NFJ-004-010		WINDOW, FR 1<K, 4EZ, 6EZ>	43	87-085-185-010		BUSHING, AC CORD (E) CM-22B
11	8A-NFJ-006-010		WINDOW, FR 1H<HS, HR>	44	87-A80-143-010		AC CORD ASSY, E BLK<K>
12	8A-NFJ-026-010		KNOB, RTRY MIC<HS, HR>	44	87-A80-157-010		AC CORD ASSY, E BLK CC<HR>
13	8A-NFJ-040-010		WINDOW, DISP E<6EZ>	44	87-A80-092-010		AC CORD ASSY, E BLK SUN FAI<4EZ, 6EZ>
13	8A-NFJ-039-010		WINDOW, DISP H<EXCEPT 6EZ>	44	87-A80-155-010		AC CORD ASSY, HS TS<HS>
14	8A-NFJ-008-010		WINDOW, CD	45	8Z-NB8-240-010		COVER, PL
15	8A-NF8-007-010		PANEL, LEFT V-2	46	8A-NF8-008-010		PANEL, RIGHT V-2
16	8A-NF8-005-010		PANEL, TOP	47	8A-NF8-205-010		HLDR, IC
17	8A-NF8-006-010		WINDOW, TOP	48	88-906-251-110		FF-CABLE.6P 1.25
18	8A-NFJ-009-010		PANEL, TRAY	A	87-067-703-010		BVT2+3-10 W/O SLOT
19	8A-NFJ-010-010		WINDOW, TRAY	B	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
20	88-NF8-205-010		GUIDE, FL	C	87-067-581-010		BVT2+3-15 W/O SLOT
21	8A-NFJ-018-010		KEY, FUN	D	87-067-688-010		BVTT+3-6
22	8A-NFJ-016-010		REFLECTOR, FUN	E	87-723-096-410		QT2+3-10 W/O SLOT BLK
23	8A-NFJ-014-010		KEY, POWER	F	87-067-641-010		UTT2+3-8 W/O SLOT BLK
24	8A-NFJ-015-010		REFLECTOR, ECO	G	87-078-191-010		S-SCREW, IT+4-10 SWCH12A
25	8A-NFJ-019-010		KEY, GEQ	H	87-721-097-410		QT2+3-12 W/O SLOT
26	8A-NFJ-029-010		KEY, ASSY OPE REV	I	87-721-096-410		QT2+3-10 W/O SLOT
27	8A-NF8-203-010		GUIDE, OPE REV				
28	8A-NF8-201-010		GUIDE, FUN				
29	88-911-101-110		FF-CABLE, 11P 1.25<K, 4EZ, 6EZ>				
29	88-915-101-110		FF-CABLE, 15P 1.25 100MM<HS, HR>				
30	88-913-301-110		FF-CABLE, 13P-1.25				
31	8A-NFJ-031-010		KEY, CD EDIT E<6EZ>				

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





MECHANISM MAIN PARTS LIST 1/1 <EZ, K: 6ZM-3 PR2NM>

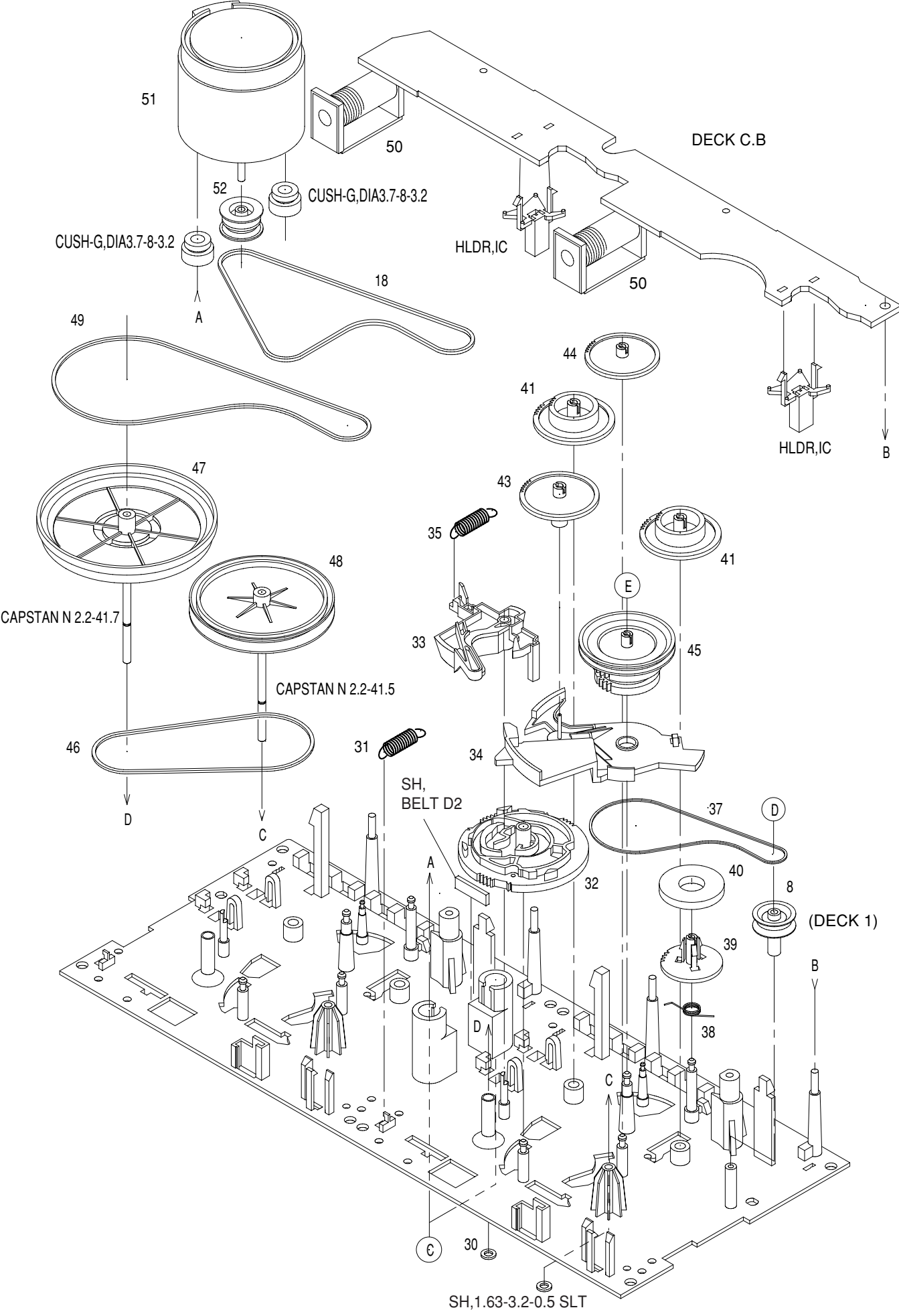
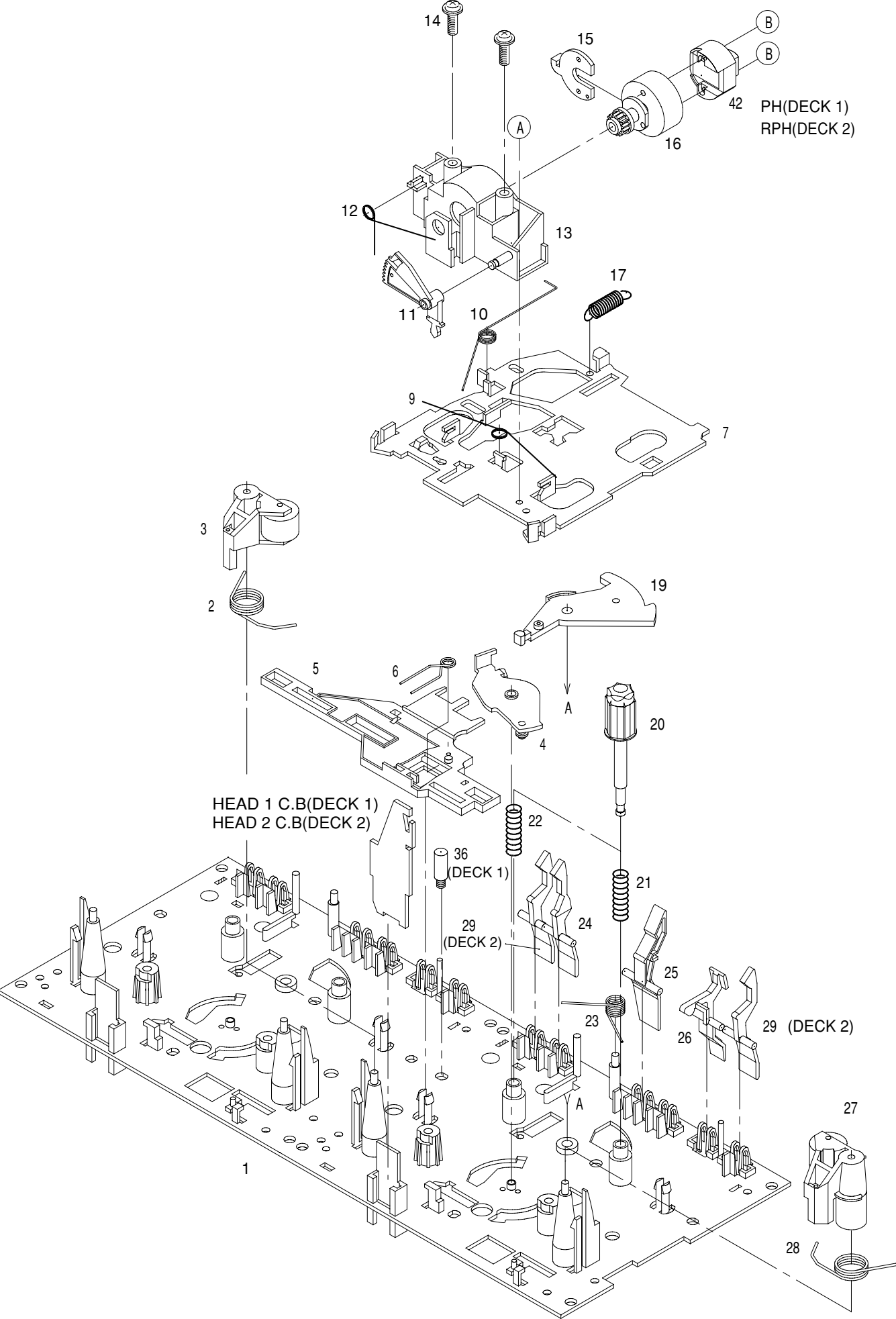
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM3-215-010		CHAS ASSY,RS	41	82-ZM1-216-310		GEAR, REEL
2	86-ZM3-202-010		BASE, HEAD S	42	86-ZM3-213-010		S-SCREW, HLDR, MOT 3
3	86-ZM3-205-010		SPR-C, RPH S	43	82-ZM1-225-210		GEAR, FR
4	82-ZM1-333-210		PLATE, LINK 2	44	82-ZM1-226-010		GEAR, REW
5	86-ZM3-206-010		SPR-C, EH S	45	82-ZM3-333-310		SLIP DISK ASSY 2
6	87-A90-403-010		HEAD, RPH MS15R	46	82-ZM1-338-010		BELT FR4
7	86-ZM3-201-010		CHAS, HEAD S (DECK L)	47	82-ZM1-349-010		FLY-WHL RW (DECK L)
7	82-ZM3-206-210		BELT, R	47	82-ZM3-338-010		FLY-WHL R3W (DECK R)
8	87-045-347-010		MOT, SHU2L 70 (M1)	48	82-ZM1-259-210		SPR-T, PINCH R
9	82-ZM1-269-210		SPR-T, BRG	49	82-ZM1-341-110		LVR ASSY, PINCH L2
10	82-ZM1-219-110		SPR-T, LINK	50	82-ZM1-258-210		SPR-T, PINCH L
11	86-ZM3-209-010		S-SCREW, ASIMUTHS	51	82-ZM1-314-110		PLATE, HEAD
12	86-ZM3-207-010		S-SCREW, RPH	52	82-ZM1-208-310		HLDR, HEAD
13	87-A90-404-010		HEAD, EH LE15B	53	87-A90-366-010		HEAD, PH YK50P-BF414
14	86-ZM3-208-010		S-SCREW, EH	54	82-ZM1-207-810		GUIDE TAPE
15	86-ZM3-203-010		HLDR, MOTS	55	82-ZM1-213-010		SPR-T, HEAD
16	82-ZM1-245-210		HLDR, IC	56	82-ZM1-210-110		GEAR, HT
17	82-ZM1-218-010		SPR-E, HB	57	86-ZM4-206-010		S-SCREW AZIMUTH L
18	86-ZM3-214-010		BELT, SUB RR	58	82-ZM1-348-010		FLY-WHL, LW
19	82-ZM1-222-210		LVR, PLAY	59	82-ZM3-339-010		SHAFT, COUPLER N3
20	82-ZM1-217-410		REEL TABLE	60	82-ZM3-335-210		PULLEY, COUPLER M3
21	82-ZM1-244-510		SPR-C, BT	61	86-ZM1-206-010		BELT, MAIN L
22	82-ZM1-285-410		SPR-C, BT L	62	82-ZM1-266-110		LVR, DIR
23	82-ZM1-257-010		SPR-T, CAS	63	82-ZM1-214-010		SPR-T, DIR
24	82-ZM3-221-010		PULLEY, MOT 2M	A	87-251-071-410		U+2.6-4
25	82-ZM1-242-010		LVR, CAS	B	80-ZM6-243-010		SH, 1.75-3.6-0.5 SLT
26	82-ZM1-243-010		LVR, STOP	C	82-ZM3-334-010		PW, 2.16-6-0.4
27	82-ZM1-344-110		LVR ASSY, PINCH	D	80-ZM6-207-010		V+1.6-7
28	86-ZM3-204-010		SPR-T, PINCHDS	E	85-ZM3-202-010		S-SCREW TG
29	82-ZM1-240-110		LVR, REC (DECK 2)	F	82-ZM1-288-010		SH, 1.63-3.2-0.5 SLT
30	86-ZM3-210-010		BELT, RS	G	87-B10-043-010		W-P, 0.99-4-0.25 SLT
32	82-ZM3-305-110		GEAR, CAM M2	H	87-571-032-410		VIT+2-3
33	82-ZM1-227-310		LVR, TRIG				
34	82-ZM3-306-110		LVR, FR M2				
35	82-ZM1-265-110		SPR-E, TRIG				
36	87-761-073-410		VFT2+2.6-6 W/O SLOT				
37	82-ZM1-255-310		SPR-E, LVR DIR				
38	82-ZM1-322-010		SPR-T, FR60				
39	82-ZM1-220-210		GEAR, IDLER				
40	82-ZM3-616-010		RING MAGNET 4				

MECHANISM MAIN PARTS LIST 1/1 <HS, HR: 2ZM-3MK2 PR4NM>

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

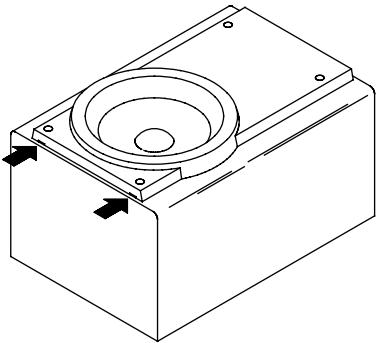
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-610		CHAS ASSY,M2	31	82-ZM1-255-310		SPR-E, LVR DIR
2	82-ZM1-258-210		SPR-T, PINCH L	32	82-ZM3-305-210		GEAR,CAM M2
3	82-ZM1-341-210		LVR ASSY, PINCH L2	33	82-ZM1-227-310		LVR, TRIG
4	82-ZM1-333-210		PLATE, LINK2	34	82-ZM3-306-110		LVR, FR M2
5	82-ZM1-266-310		LVR, DIR	35	82-ZM1-265-310		SPR-E, TRIG
6	82-ZM1-214-010		SPR-T, DIR	36	82-ZM3-339-110		SHAFT, COUPLER N3
7	82-ZM1-206-910		CHAS, HEAD	37	86-ZM1-206-010		BELT, MAIN L
8	82-ZM3-335-310		PULLEY, COUPLER M3	38	82-ZM1-322-010		SPR-T, FR 60
9	82-ZM1-269-210		SPR-T, BRG	39	82-ZM1-220-210		GEAR, IDLER
10	82-ZM1-219-110		SPR-T, LINK	40	82-ZM3-616-010		RING MAGNET 4
11	82-ZM1-210-110		GEAR, H T	41	82-ZM1-216-410		GEAR, REEL
12	82-ZM1-213-010		SPR-T, HEAD	42	87-A90-820-010		HEAD, PH HADKH25 FPC
13	82-ZM1-207-910		GUIDE, TAPE	42	87-A90-821-010		HEAD, RPH HADKH56 FPC
14	86-ZM4-206-010		S-SCREW, AZIMUTH L	43	82-ZM1-225-210		GEAR, FR
15	82-ZM1-314-110		PLATE, HEAD	44	82-ZM1-226-010		GEAR, REW
16	82-ZM1-208-310		HLDR, HEAD	45	82-ZM3-333-310		SLIP DISK ASSY 2
17	82-ZM1-218-010		SPR-E, HB	46	82-ZM1-338-110		BELT, FR 4
18	82-ZM3-342-010		BELT, SBU MOT 3	47	82-ZM1-349-110		FLY-WHL, R W
19	82-ZM1-222-210		LVR, PLAY	47	82-ZM1-348-110		FLY-WHL, L W
20	82-ZM1-217-410		REEL TABLE	48	82-ZM3-338-310		FLY-WHL, R3W
21	82-ZM1-244-510		SPR-C, BT	49	82-ZM3-329-410		BELT, SBU R2
22	82-ZM1-285-410		SPR-C, BT L	50	82-ZM1-618-410		SOL ASSY, 27
23	82-ZM1-257-010		SPR-T, CAS	51	87-045-347-010		MOT, SHU2L 70
24	82-ZM1-241-310		LVR, MC	52	82-ZM3-221-210		PULLEY, MOT 2M
25	82-ZM1-242-010		LVR, CAS	A	85-ZM3-202-010		S-SCREW, TG
26	82-ZM1-243-010		LVR, STOP	B	80-ZM6-207-010		V+1.6-7
27	82-ZM1-344-010		LVR ASSY, PINCH R2	C	82-ZM3-318-110		S-SCREW W, MOTOR M2
28	82-ZM1-259-210		SPR-T, PINCH R	D	87-B10-043-010		W-P, 0.99-4-0.25 SLT
29	82-ZM1-240-110		LVR, REC(*)	E	82-ZM3-334-010		PW 2.16-6-0.4
30	80-ZM6-243-010		SH 1.75-3.6-0.5 SLT				



SPEAKER DISASSEMBLY INSTRUCTIONS

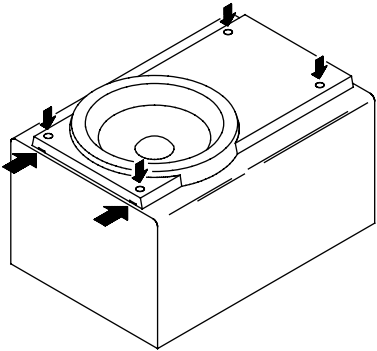
Type.1

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.



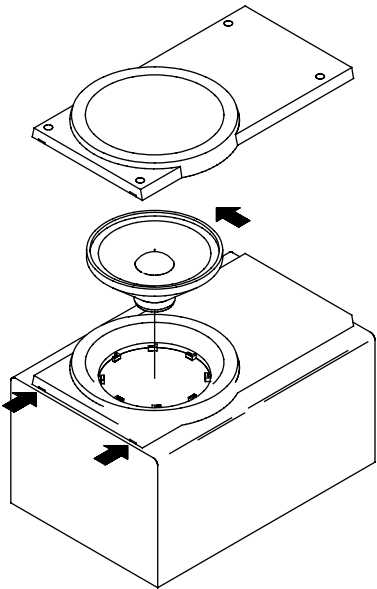
Type.2

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.

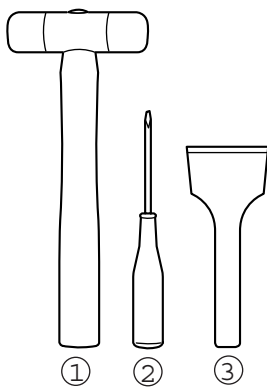


Type.3

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.

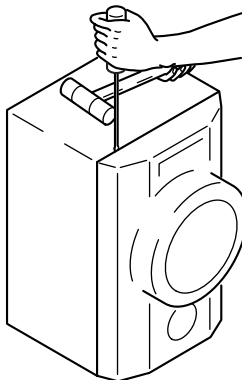


Fig-1

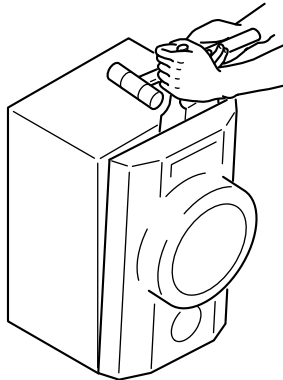


Fig-2

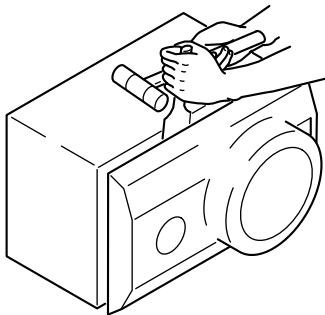


Fig-3

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 (SX-WNBL56) <56EZ> PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NS5-016-010		PANEL, FR U
2	8A-NS5-017-010		PLATE, NAME B
3	8A-NS5-004-010		PANEL, DUCT
4	8A-NS5-009-010		PROTECTOR,
5	8A-NS5-018-010		GRILLE, FRAME ASSY RDS
6	8A-NS5-015-010		BADGE, AIWA S35
7	8Z-NSY-003-010		CORD, BUSH
8	88-NS3-029-010		CORD, BUSH L
9	88-NS5-610-010		CORD, SPKR
10	88-NS5-611-010		CORD, SPKR B/L
11	8Z-NSY-608-010		SPKR, CERAMIC ASSY
12	8A-NS8-604-010		SPKR, M 100
13	8Z-NS7-602-010		SPKR, W 160

SPEAKER (SX-WNBL53) <Except 56EZ> PARTS LIST

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NS5-016-010		PANEL, FR U
2	8A-NS5-017-010		PLATE, NAME B
3	8A-NS5-004-010		PANEL, DUCT
4	8A-NS5-009-010		PROTECTOR,
5	8A-NS5-012-010		GRILLE, FRAME ASSY U
6	8A-NS5-015-010		BADGE, AIWA S35
7	8Z-NSY-003-010		CORD, BUSH
8	88-NS3-029-010		CORD, BUSH L
9	88-NS5-610-010		CORD, SPKR
10	88-NS5-611-010		CORD, SPKR B/L
11	8Z-NSY-608-010		SPKR, CERAMIC ASSY
12	8A-NS8-604-010		SPKR, M 100
13	8Z-NS7-602-010		SPKR, W 160

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