

# SERVICE MANUAL

COMPACT DISC STEREO SYSTEM

BASIC TAPE MECHANISM : ZZM-3 YPR1NC  
BASIC CD MECHANISM : AZG-1 ZD4RDC

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-DR5	CX-NDR5	SX-NBL25	RC-ZAS02

- This Service Manual contains information about the difference between NSX-DR5 (EZ) and NSX-BL24 (EZ). If requiring other information, see Service Manual of NSX-BL24 (EZ, K) / BL26 (EZ) / BL28 (EZ, K), (S/M Code No. 09-004-426-1R2).
- If requiring information about the CD mechanism, see Service Manual of AZG-1, (S/M Code No. 09-001-335-3N8).

# SPECIFICATIONS

## Main unit CX-NDR5

### <FM Tuner section>

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

### <MW Tuner section>

<b>Tuning range</b>	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
<b>Usable sensitivity</b>	350 $\mu$ V/m
<b>Antenna</b>	Loop antenna

### <LW Tuner section>

<b>Tuning range</b>	144 kHz to 290 kHz
<b>Usable sensitivity</b>	1400 $\mu$ V/m
<b>Antenna</b>	Loop antenna

### <Amplifier section>

<b>Power output</b>	Rated: 18 W + 18 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 20 W + 20 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) DIN MUSIC POWER: 40 W + 40 W
<b>Total harmonic distortion</b>	0.08 % (12 W, 1 kHz, 6 ohms, DIN AUDIO)

### Inputs

<b>Outputs</b>	VIDEO/AUX: 500 mV SPEAKERS: accepts speakers of 6 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
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### <Cassette deck section>

<b>Track format</b>	4 tracks, 2 channels stereo
<b>Frequency response</b>	50 Hz – 15 kHz
<b>Recording system</b>	AC bias
<b>Heads</b>	DECK 1: Playback head x 1 DECK 2: Recording/playback head x 1, erase head x 1

### <Compact disc player section>

<b>Laser</b>	Semiconductor laser ( $\lambda = 780$ nm)
<b>D/A converter</b>	1 bit dual
<b>Signal-to-noise ratio</b>	85 dB (1 kHz, 0 dB)
<b>Harmonic distortion</b>	0.05 % (1 kHz, 0 dB)

### <General>

<b>Power requirements</b>	230 V AC, 50 Hz
<b>Power consumption</b>	80 W
<b>Power consumption in standby mode</b>	14 W with power-economizing mode off 0.9 W with power-economizing mode on
<b>Dimensions (W x H x D)</b>	260 x 328 x 329 mm
<b>Weight</b>	6.2 kg

### Speaker system SX-NBL25

<b>Speaker system</b>	3 way, bass reflex (magnetic shield type)
<b>Speaker units</b>	Woofer: 140 mm cone type Tweeter: 60 mm cone type Super tweeter: 20 mm ceramic type
<b>Impedance</b>	6 ohms
<b>Sensitivity</b>	87 dB/W/m
<b>Dimensions (W x H x D)</b>	202 x 324 x 219 mm
<b>Weight</b>	3.8 kg

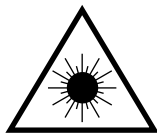
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Under license from BBE Sound, Inc.

## 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 ylittävälle näkymättömälle lasersäteilylle.

### WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstråling, 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

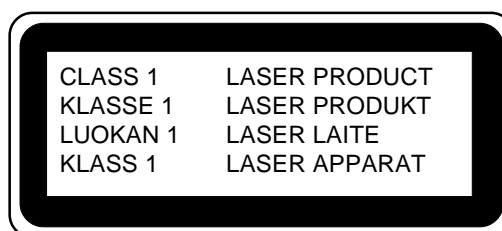
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

### ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer 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.

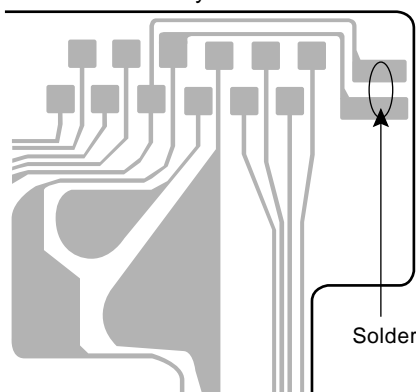


## Precaution to replace Optical block (KSS – 213F)

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.

CD PICKUP Assy P.C.B.



# ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
<b>IC</b>				C99	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A21-269-010		IC,EW732	C101	87-010-185-080		C-CAP,S 3900P-50 B
	87-A21-396-010		IC,STK490-040	C102	87-010-185-080		C-CAP,S 3900P-50 B
	87-A21-419-040		C-IC,NJM14558MD-TE2	C103	87-010-545-080		CAP,ELECT 0.22-50V
	87-A21-401-040		C-IC,M61503FP	C104	87-010-545-080		CAP,ELECT 0.22-50V
	87-A21-560-010		IC,LA1844L-A	C105	87-010-187-080		CAP,CHIP S5600P
	8A-NF9-604-010		C-IC,UPD780226GF-015-3BA	C106	87-010-187-080		CAP,CHIP S5600P
	87-A21-482-010		IC,RPM6938-H4	C107	87-010-404-080		CAP,ELECT 4.7-50V
	87-070-127-110		IC,LC72131D	C108	87-010-404-080		CAP,ELECT 4.7-50V
				C109	87-010-179-080		C-CAP,S 1200P-50 CH
<b>TRANSISTOR</b>				C110	87-010-179-080		C-CAP,S 1200P-50 CH
	87-026-609-080		TR,KTA1266GR	C111	87-010-391-080		CAP,E 10-35 SME
	89-213-702-010		TR,2SB1370E	C112	87-010-391-080		CAP,E 10-35 SME
	87-026-610-080		TR,KTC3198GR	C119	87-010-197-080		CAP,CHIP 0.01 DM
	87-A30-076-080		C-TR,2SC3052F	C120	87-010-197-080		CAP,CHIP 0.01 DM
	87-A30-075-080		C-TR,2SA1235F	C123	87-010-176-080		C-CAP,S 680P-50 SL
	87-A30-074-080		C-TR,RT1P141C	C124	87-010-176-080		C-CAP,S 680P-50 SL
	87-A30-468-080		C-TR,KRC102S-RTK	C125	87-012-368-080		C-CAP,S 0.1-50 F
	87-A30-107-070		C-TR,CMBT5401	C126	87-012-368-080		C-CAP,S 0.1-50 F
	87-A30-106-040		C-TR,CMBT5551	C127	87-012-368-080		C-CAP,S 0.1-50 F
	87-026-235-080		C-TR,DTC114EK	C128	87-012-368-080		C-CAP,S 0.1-50 F
	87-A30-087-080		C-FET,2SK2158	C129	87-010-191-080		C-CAP,S 0.015-50 F
	87-A30-091-080		FET,2SJ460	C130	87-010-191-080		C-CAP,S 0.015-50 F
	87-A30-090-080		FET,2SK2541	C131	87-010-197-080		CAP,CHIP 0.01 DM
	87-A30-062-080		C-TR,KRC104S	C132	87-010-197-080		CAP,CHIP 0.01 DM
	87-A30-318-080		TR,CSA952K	C133	87-010-186-080		CAP,CHIP 4700P
	89-333-317-880		TR,2SC3331 (T/U)	C140	87-010-182-080		C-CAP,S 2200P-50 B
	87-A30-329-080		TR,CD1585BC	C141	87-010-196-080		CHIP CAPACITOR,0.1-25
	89-327-143-080		C-TR,2SC27140	C239	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-072-080		C-TR,RT1P144C	C301	87-010-178-080		CHIP CAP,1000P
	87-A30-086-040		C-TR,CSD1306E	C302	87-010-178-080		CHIP CAP,1000P
	89-503-602-080		C-FET,2SK360E	C303	87-010-178-080		CHIP CAP,1000P
	87-A30-234-080		TR,CSC4115BC	C307	87-010-263-080		CAP,ELECT 100-10V
				C308	87-010-263-080		CAP,ELECT 100-10V
<b>DIODE</b>				C309	87-010-318-080		C-CAP,S 47P-50 CH
	87-A40-553-080		DIODE,1N4003 LES	C310	87-010-318-080		C-CAP,S 47P-50 CH
	87-A40-776-080		ZENER,UZ27BSD	C313	87-010-188-080		CAP,CHIP 6800P
	87-020-465-080		DIODE,1SS133	C314	87-010-188-080		CAP,CHIP 6800P
	87-A40-764-080		ZENER,UZ10BSC	C315	87-010-263-080		CAP,ELECT 100-10V
	87-A40-313-080		C-DIODE,MC2840	C317	87-010-546-080		CAP,ELECT 0.33-50V
	87-A40-270-080		C-DIODE,MC2838	C318	87-010-546-080		CAP,ELECT 0.33-50V
	87-A40-269-080		C-DIODE,MC2836	C326	87-010-198-080		CAP,CHIP 0.022
	87-A40-854-080		ZENER,UZ15BSA	C327	87-012-368-080		C-CAP,S 0.1-50 F
	87-A40-752-080		ZENER,UZ6.2BSC	C360	87-010-401-080		CAP,ELECT 1-50V
	87-A40-739-080		ZENER,UZ2.7BSA	C399	87-012-140-080		CAP,470P
	87-017-149-080		ZENER,HZS6A2L	C401	87-010-544-080		CAP,ELECT 0.1-50V
				C402	87-010-544-080		CAP,ELECT 0.1-50V
				C403	87-010-321-080		CHIP CAPACITOR,82P (J)
				C404	87-010-321-080		CHIP CAPACITOR,82P (J)
<b>MAIN C.B</b>				C405	87-010-197-080		CAP,CHIP 0.01 DM
C9	87-012-368-080		C-CAP,S 0.1-50 F	C406	87-010-197-080		CAP,CHIP 0.01 DM
C10	87-012-368-080		C-CAP,S 0.1-50 F	C407	87-010-197-080		CAP,CHIP 0.01 DM
C11	87-012-368-080		C-CAP,S 0.1-50 F	C408	87-010-197-080		CAP,CHIP 0.01 DM
C12	87-012-368-080		C-CAP,S 0.1-50 F	C409	87-010-182-080		C-CAP,S 2200P-50 B
C21	87-A12-182-090		CAP,E 3300-35 M 85 SAMXON	C410	87-010-182-080		C-CAP,S 2200P-50 B
C22	87-A12-182-090		CAP,E 3300-35 M 85 SAMXON	C411	87-010-405-080		CAP,ELECT 10-50V
C25	87-010-385-080		CAP,ELECT 220-25V	C412	87-010-405-080		CAP,ELECT 10-50V
C26	87-010-247-080		CAP,ELECT 100-50V	C452	87-010-382-080		CAP,ELECT 22-25V
C30	87-010-430-080		CAP,ELECT 100-63	C453	87-010-183-080		C-CAP,S 2700P-50 B
C31	87-010-263-080		CAP,ELECT 100-10V	C454	87-010-183-080		C-CAP,S 2700P-50 B
C32	87-010-197-080		CAP,CHIP 0.01 DM	C455	87-010-183-080		C-CAP,S 2700P-50 B
C34	87-010-247-080		CAP,ELECT 100-50V	C456	87-010-197-080		CAP,CHIP 0.01 DM
C35	87-010-380-080		CAP,ELECT 47-16V	C458	87-010-178-080		CHIP CAP,1000P
C36	87-010-381-080		CAP,ELECT 330-16V	C459	87-010-175-080		CAP,560P
C38	87-010-197-080		CAP,CHIP 0.01 DM	C460	87-010-196-080		CHIP CAPACITOR,0.1-25
C60	87-010-403-080		CAP,ELECT 3.3-50V	C461	87-012-158-080		C-CAP,S 390P-50 CH
C61	87-010-260-080		CAP,ELECT 47-25V	C462	87-012-158-080		C-CAP,S 390P-50 CH
C97	87-010-196-080		CHIP CAPACITOR,0.1-25	C470	87-018-127-080		CAP,TC U 470P-50 KB
				C605	87-010-179-080		CAP,CHIP S B1200P

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C606	87-010-179-080		CAP,CHIP S B1200P	C948	87-012-140-080		CAP,470P
C609	87-010-213-080		C-CAP,S 0.015-50 B	C952	87-010-197-080		CAP,CHIP 0.01 DM
C610	87-010-213-080		C-CAP,S 0.015-50 B	C957	87-010-311-080		CAP,12P
C611	87-010-545-080		CAP,ELECT 0.22-50V	C958	87-010-197-080		CAP,CHIP 0.01 DM
C612	87-010-545-080		CAP,ELECT 0.22-50V	C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C613	87-010-545-080		CAP,ELECT 0.22-50V	C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C614	87-010-545-080		CAP,ELECT 0.22-50V	C962	87-010-401-080		CAP,ELECT 1-50V
C615	87-010-154-080		CAP,CHIP 10P	C963	87-015-785-080		CHIP CAPACITOR,0.1FZ-25Z
C616	87-010-221-080		CAP,ELECT 470-10V	C971	87-010-381-080		CAP,ELECT 330-16V
C617	87-010-221-080		CAP,ELECT 470-10V	C972	87-010-404-080		CAP,ELECT 4.7-50V
C618	87-010-405-080		CAP,ELECT 10-50V	C973	87-010-197-080		CAP,CHIP 0.01 DM
C630	87-016-669-080		C-CAP,S 0.1-25 K B	C974	87-010-197-080		CAP,CHIP 0.01 DM
C631	87-010-185-080		C-CAP,S 3900P-50 B	C979	87-010-322-080		C-CAP,S 100P-50 CH
C632	87-010-185-080		C-CAP,S 3900P-50 B	C981	87-010-260-080		CAP,ELECT 47-25V
C633	87-016-369-080		C-CAP,S 0.033-25 B K	C982	87-010-196-080		CHIP CAPACITOR,0.1-25
C634	87-016-369-080		C-CAP,S 0.033-25 B K	C983	87-010-197-080		CAP,CHIP 0.01 DM
C669	87-010-322-080		C-CAP,S 100P-50 CH	C984	87-010-197-080		CAP,CHIP 0.01 DM
C670	87-010-322-080		C-CAP,S 100P-50 CH	C985	87-010-322-080		C-CAP,S 100P-50 CH
C677	87-010-197-080		CAP,CHIP 0.01 DM	C987	87-010-197-080		CAP,CHIP 0.01 DM
C771	87-010-263-080		CAP,ELECT 100-10V	C989	87-010-197-080		CAP,CHIP 0.01 DM
C772	87-010-197-080		CAP,CHIP 0.01 DM	C991	87-010-312-080		C-CAP,S 15P-50 CH
C779	87-010-971-080		C-CAP,S 4700P-50 B J	C992	87-010-312-080		C-CAP,S 15P-50 CH
C780	87-010-971-080		C-CAP,S 4700P-50 B J	C993	87-010-178-080		CHIP CAP,1000P
C782	87-010-197-080		CAP,CHIP 0.01 DM	C995	87-010-178-080		CHIP CAP,1000P
C783	87-010-197-080		CAP,CHIP 0.01 DM	C997	87-010-196-080		CHIP CAPACITOR,0.1-25
C784	87-010-197-080		CAP,CHIP 0.01 DM	C998	87-010-260-080		CAP,ELECT 47-25V
C785	87-010-197-080		CAP,CHIP 0.01 DM	C999	87-A11-155-080		CAP,TC U 0.01-16 Z F
C786	87-010-197-080		CAP,CHIP 0.01 DM	CF831	87-008-423-010		FLTR,CF SFE10.7MS3G-A
C788	87-010-149-080		C-CAP,S 5P-50 CH	CF832	82-785-747-010		CF,MS2 GHY,R
C789	87-A10-801-080		C-CAP,S 0.022-16 JB CM	CN301	87-A60-620-010		CONN,3P V 2MM JMT
C790	87-A10-801-080		C-CAP,S 0.022-16 JB CM	CN351	87-A60-625-010		CONN,8P V 2MM JMT
C791	87-010-196-080		CHIP CAPACITOR,0.1-25	CN601	87-099-719-010		CONN,30P TYK-B(X)
C792	87-010-197-080		CAP,CHIP 0.01 DM	CN602	87-A60-131-010		CONN,6P V FE
C793	87-010-404-080		CAP,ELECT 4.7-50V	FB303	87-008-474-080		F-BEAD,EMI BL02RN1
C794	87-012-140-080		C-CAP,S 470P-50 J CH	FFC602	88-906-251-110		FF-CABLE,6P 1.25
C795	87-010-197-080		CAP,CHIP 0.01 DM	FFE831	A8-6ZA-19C-170		6ZA-1 YFEENC
C796	87-010-197-080		CAP,CHIP 0.01 DM	J202	87-A60-488-010		JACK,DIA6.3 BLK ST W/SW KM16AT
C797	87-010-405-080		CAP,ELECT 10-50V	J203	87-A60-238-010		TERMINAL,SP 4P (MSC)
C798	87-010-197-080		CAP,CHIP 0.01 DM	J602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
C799	87-010-407-080		CAP,ELECT 33-50V	J832	87-A60-403-010		TERMINAL,ANT PAL 2P HSP-312V05
C800	87-012-369-080		C-CAP,S 0.047-50F	L101	87-A50-610-010		COIL,1UH K(MDEC)
C801	87-010-403-080		CAP,ELECT 3.3-50V	L102	87-A50-610-010		COIL,1UH K(MDEC)
C802	87-010-194-080		CAP,CHIP 0.047	L451	87-007-342-010		COIL,OSC 85K BIAS
C803	87-010-198-080		CAP,CHIP 0.022	L801	87-A50-608-010		COIL,FM DET-N(TOK)
C804	87-010-263-080		CAP,ELECT 100-10V	L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
C807	87-010-400-080		CAP,ELECT 0.47-50V	L811	87-005-847-080		COIL,2.2UH(CECS)
C808	87-010-401-080		CAP,ELECT 1-50V	L832	87-005-847-080		COIL,2.2UH(CECS)
C809	87-010-401-080		CAP,ELECT 1-50V	L941	87-A50-020-010		COIL,ANT LW(COI)252KHZ
C810	87-010-196-080		CHIP CAPACITOR,0.1-25	L942	87-A50-019-010		COIL,OSC LW(COI)856KHZ
C814	87-010-197-080		CAP,CHIP 0.01 DM	L951	8A-NF8-668-010		COIL,AM PACK 2(TOK)
C815	87-010-400-080		CAP,ELECT 0.47-50V	R131	87-A00-258-080		RES,M/F 0.22-1W J
C816	87-010-400-080		CAP,ELECT 0.47-50V	R132	87-A00-258-080		RES,M/F 0.22-1W J
C818	87-010-180-080		C-CAP,CER 1500P	R143	87-A00-440-050		RES,220-1/2W J RP
C821	87-010-405-080		CAP,ELECT 10-50V	R144	87-A00-440-050		RES,220-1/2W J RP
C823	87-012-349-080		C-CAP,S 1000P-50 CH	R145	87-A00-440-050		RES,220-1/2W J RP
C824	87-010-404-080		CAP,ELECT 4.7-50V	R146	87-A00-440-050		RES,220-1/2W J RP
C825	87-010-596-080		CAP,S 0.047-16	R653	87-A11-144-080		CAP,TC U 0.1-50 K B
C831	87-010-406-080		CAP,ELECT 22-50	R654	87-A11-144-080		CAP,TC U 0.1-50 K B
C842	87-010-197-080		CAP,CHIP 0.01 DM	R790	87-010-197-080		CAP,CHIP 0.01 DM
C844	87-010-197-080		CAP,CHIP 0.01 DM	R991	87-010-322-080		C-CAP,S 100P-50 CH
C850	87-010-260-080		CAP,ELECT 47-25V	R993	87-010-322-080		C-CAP,S 100P-50 CH
C851	87-010-197-080		CAP,CHIP 0.01 DM	R995	87-010-322-080		C-CAP,S 100P-50 CH
C852	87-010-197-080		CAP,CHIP 0.01 DM	SFR451	87-A90-432-080		SFR,30K H NVZ6TLTA
C853	87-010-197-080		CAP,CHIP 0.01 DM	SFR452	87-A90-432-080		SFR,30K H NVZ6TLTA
C858	87-010-196-080		CHIP CAPACITOR,0.1-25	TC942	87-011-253-080		TRIMMER,CER 30P 4.0X4.5 ECRLA
C859	87-010-196-080		CHIP CAPACITOR,0.1-25	W99	8A-NF9-609-010		F-CABLE,9P 2.5 480MM
C860	87-010-197-080		CAP,CHIP 0.01 DM	WH1	87-A90-510-010		HLDR,WIRE 2.5-9P
C940	87-010-197-080		CAP,CHIP 0.01 DM	X991	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C942	87-010-149-080		C-CAP,S 5P-50 CH				
C947	87-010-197-080		CAP,CHIP 0.01 DM				

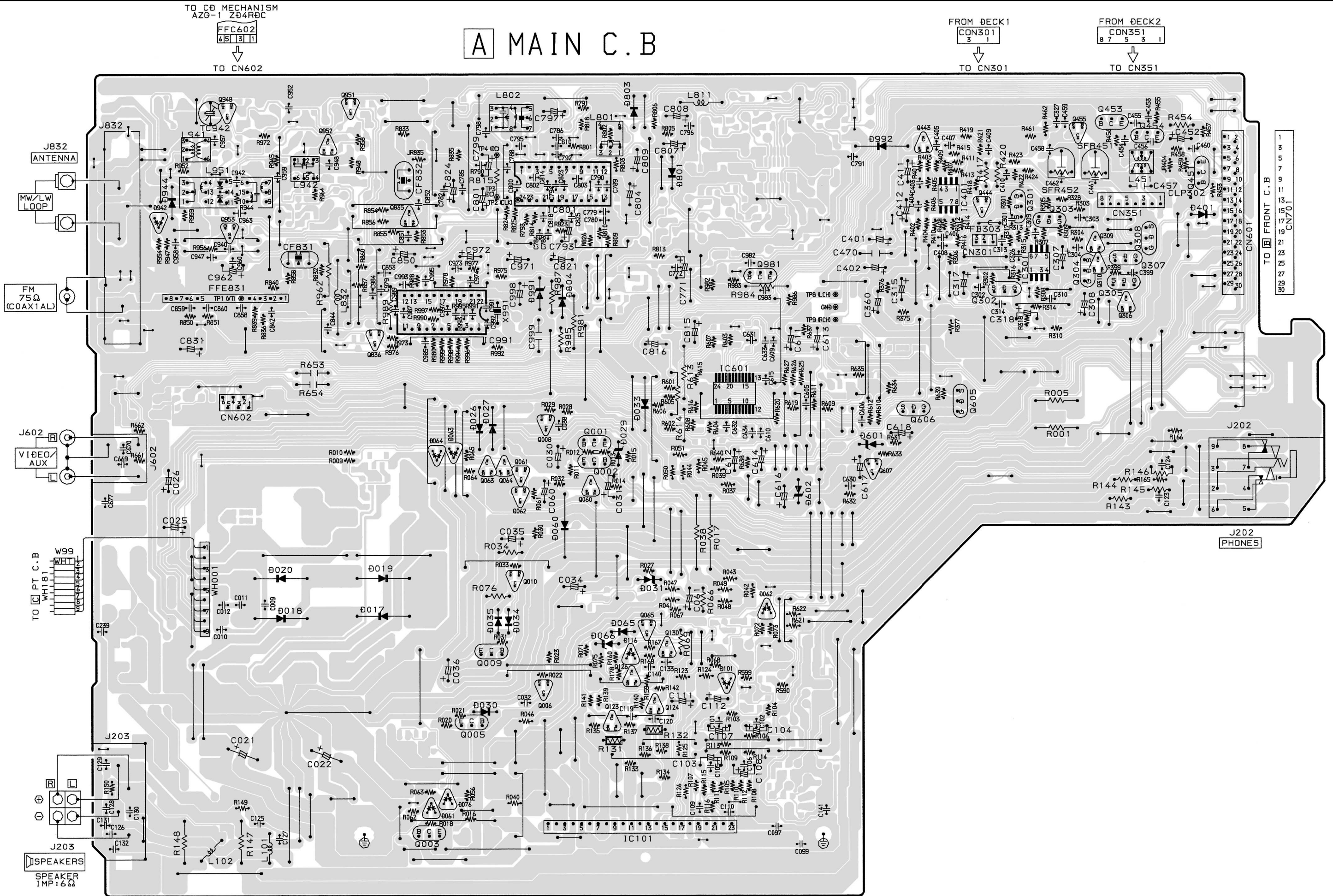
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
FRONT C.B				S308	87-A90-164-080		SW, TACT SKQNAB (N)
C101	87-010-196-080		CHIP CAPACITOR, 0.1-25	S309	87-A90-164-080		SW, TACT SKQNAB (N)
C102	87-010-196-080		CHIP CAPACITOR, 0.1-25	S321	87-A90-164-080		SW, TACT SKQNAB (N)
C103	87-010-498-040		CAP, E 10-16 GAS	S322	87-A90-164-080		SW, TACT SKQNAB (N)
C104	87-010-196-080		CHIP CAPACITOR, 0.1-25	S323	87-A90-164-080		SW, TACT SKQNAB (N)
C107	87-010-493-040		CAP, E 0.47-50 GAS	S324	87-A90-164-080		SW, TACT SKQNAB (N)
C108	87-012-393-080		C-CAP, S 0.22-16 R K	S325	87-A90-164-080		SW, TACT SKQNAB (N)
C153	87-010-198-080		CAP, CHIP 0.022	S326	87-A90-164-080		SW, TACT SKQNAB (N)
C154	87-010-246-040		CAP, E 47-35 SME	S341	87-A90-164-080		SW, TACT SKQNAB (N)
C155	87-010-404-040		CAP, E 4.7-50 SME	S342	87-A90-164-080		SW, TACT SKQNAB (N)
C156	87-010-404-040		CAP, E 4.7-50 SME	S343	87-A90-164-080		SW, TACT SKQNAB (N)
C361	87-010-178-080		CHIP CAP, 1000P	S344	87-A90-164-080		SW, TACT SKQNAB (N)
C362	87-010-178-080		CHIP CAP, 1000P	S345	87-A90-164-080		SW, TACT SKQNAB (N)
C371	87-010-178-080		CHIP CAP, 1000P	S346	87-A90-164-080		SW, TACT SKQNAB (N)
C372	87-010-178-080		CHIP CAP, 1000P	S347	87-A90-164-080		SW, TACT SKQNAB (N)
C601	87-010-382-040		CAP, E 22-25 SME	S348	87-A90-164-080		SW, TACT SKQNAB (N)
C801	87-010-195-080		C-CAP, S 0.068-25 F	S349	87-A90-164-080		SW, TACT SKQNAB (N)
C802	87-010-195-080		C-CAP, S 0.068-25 F	S350	87-A90-164-080		SW, TACT SKQNAB (N)
C803	87-010-402-040		CAP, E 2.2-50 SME	S361	87-A91-633-010		SW, RTRY XRE012103PVB25FINA 1-2
C804	87-010-402-040		CAP, E 2.2-50 SME	S371	87-A91-632-010		SW, RTRY XRE012103PVB25FINB 1-2
C805	87-010-196-080		CHIP CAPACITOR, 0.1-25	PT C.B			
C806	87-010-196-080		CHIP CAPACITOR, 0.1-25	C183	87-010-387-080		CAP, E 470-25 SME
C810	87-010-379-040		CAP, E 22-16 M 11L SME	C184	87-010-403-080		CAP, ELECT 3.3-50V
C901	87-010-322-080		C-CAP, S 100P-50 CH	C185	87-A11-148-080		CAP, TC U 0.1-50 Z F
C902	87-010-322-080		C-CAP, S 100P-50 CH	△ PT1	8A-NF0-617-010		PT, ANF-0 EZK
C903	87-010-322-080		C-CAP, S 100P-50 CH	△ PT181	8A-NF8-662-010		PT, SUB ANF-8 (E)
C904	87-010-322-080		C-CAP, S 100P-50 CH	△ RY181	87-A91-418-010		RELAY, AC12V G5PA-1-M
C905	87-010-322-080		C-CAP, S 100P-50 CH	△ T181	87-A60-317-010		TERMINAL, 1P MSC
C906	87-010-322-080		C-CAP, S 100P-50 CH	△ T182	87-A60-317-010		TERMINAL, 1P MSC
C907	87-010-322-080		C-CAP, S 100P-50 CH	WH181	87-A90-510-010		HLDR, WIRE 2.5-9P
C908	87-010-322-080		C-CAP, S 100P-50 CH	DECK C.B			
C909	87-010-322-080		C-CAP, S 100P-50 CH	CN1	87-099-753-010		CONN, 11P H 9604
C910	87-010-322-080		C-CAP, S 100P-50 CH	SFR1	87-024-581-010		SFR, 3.3K H KVSP637A
C911	87-010-178-080		CHIP CAP, 1000P	SOL1	82-ZM3-627-010		SOL ASSY, 27 S0
C912	87-010-196-080		CHIP CAPACITOR, 0.1-25	SOL2	82-ZM3-627-010		SOL ASSY, 27 S0
C913	87-010-248-040		CAP, E 220-10 SME	SW1	87-A90-673-010		SW, MICRO ESE11SH1C
C914	87-010-248-040		CAP, E 220-10 SME	SW2	87-A91-500-010		SW, MICRO MPU11470MLB0
C915	87-010-196-080		CHIP CAPACITOR, 0.1-25	SW3	87-A91-500-010		SW, MICRO MPU11470MLB0
C916	87-010-196-080		CHIP CAPACITOR, 0.1-25	SW4	87-A91-500-010		SW, MICRO MPU11470MLB0
C917	87-010-196-080		CHIP CAPACITOR, 0.1-25	SW5	87-A90-673-010		SW, MICRO ESE11SH1C
C919	87-010-197-080		CAP, CHIP 0.01 DM	W1	82-ZM3-601-010		RBN-CORD, 4P-75
C920	87-012-369-080		C-CAP, S 0.047-50F				
C921	87-010-186-080		CAP, CHIP 4700P				
C951	87-010-312-080		C-CAP, S 15P-50 CH				
C952	87-012-155-080		C-CAP, 180P-50CH				
C953	87-012-140-080		CAP, 470P				
C961	87-010-378-040		CAP, E 10-16				
C962	87-012-157-080		C-CAP, S 330P-50 CH				
C963	87-010-196-080		CHIP CAPACITOR, 0.1-25				
CN104	87-A60-057-010		CONN, 11P V 9604S-11C				
CN701	87-099-720-010		CONN, 30P TYK-B (P)				
CN731	87-099-015-010		CONN, 13P 6216V				
FFC104	88-911-101-110		FF-CABLE, 11P 1.25				
FFC731	88-913-301-110		FF-CABLE, 13P 1.25				
FL901	8A-NF9-605-010		FL, HNA-10SS12				
L951	87-A50-434-010		COIL, CLK 4.19M (TOKO)				
LED201	87-A40-619-040		LED, SLR-56PT-T31-W GRN				
LED202	87-A40-619-040		LED, SLR-56PT-T31-W GRN				
LED204	87-A40-619-040		LED, SLR-56PT-T31-W GRN				
LED205	87-A40-619-040		LED, SLR-56PT-T31-W GRN				
LED209	87-A40-317-080		LED, SLR-342VCT31 RED				
LED210	87-A40-619-040		LED, SLR-56PT-T31-W GRN				
S301	87-A90-164-080		SW, TACT SKQNAB (N)				
S302	87-A90-164-080		SW, TACT SKQNAB (N)				
S303	87-A90-164-080		SW, TACT SKQNAB (N)				
S304	87-A90-164-080		SW, TACT SKQNAB (N)				
S305	87-A90-164-080		SW, TACT SKQNAB (N)				
S306	87-A90-164-080		SW, TACT SKQNAB (N)				
S307	87-A90-164-080		SW, TACT SKQNAB (N)				

WIRING - 1 (MAIN)

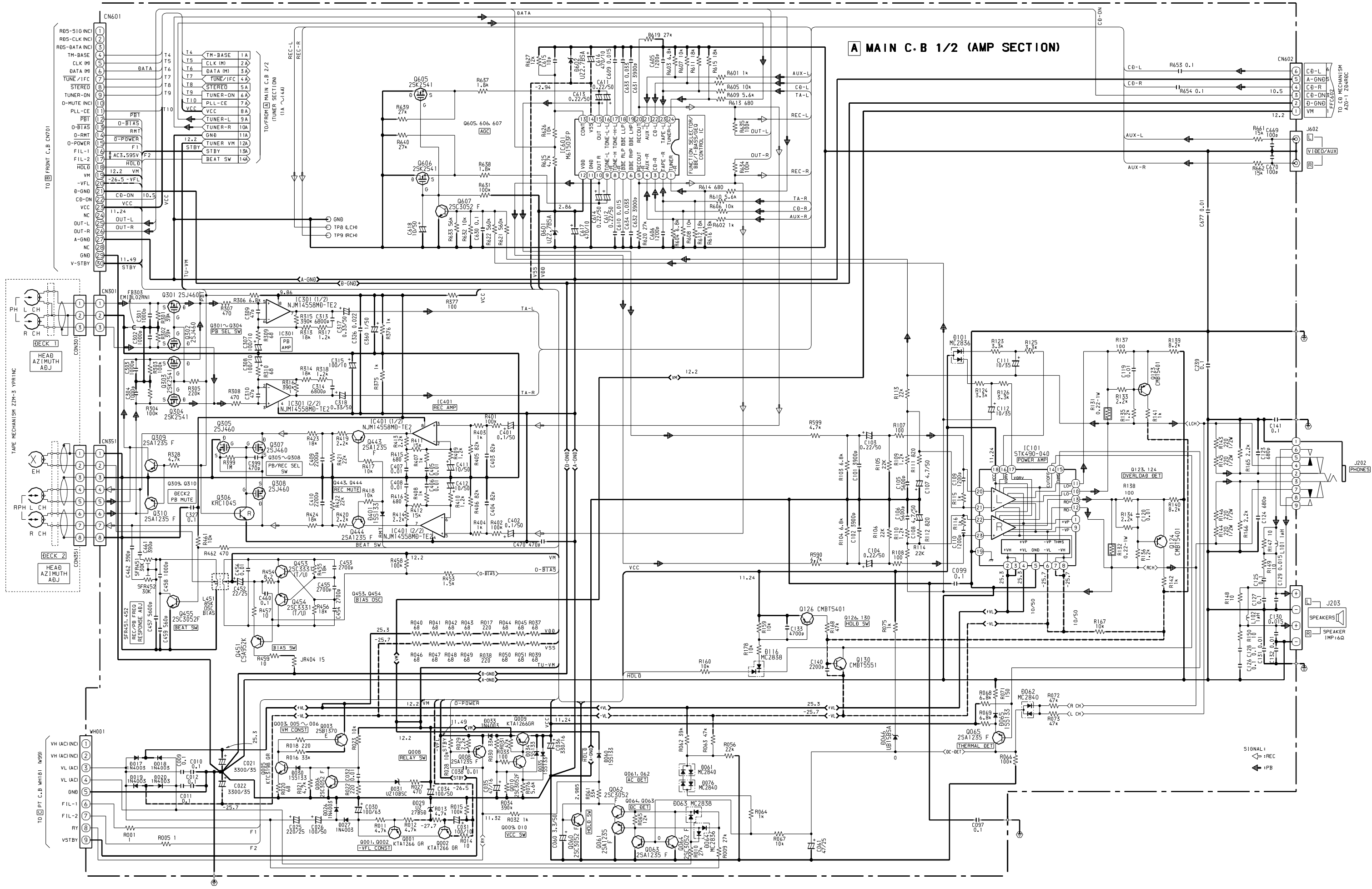
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A MAIN C.B

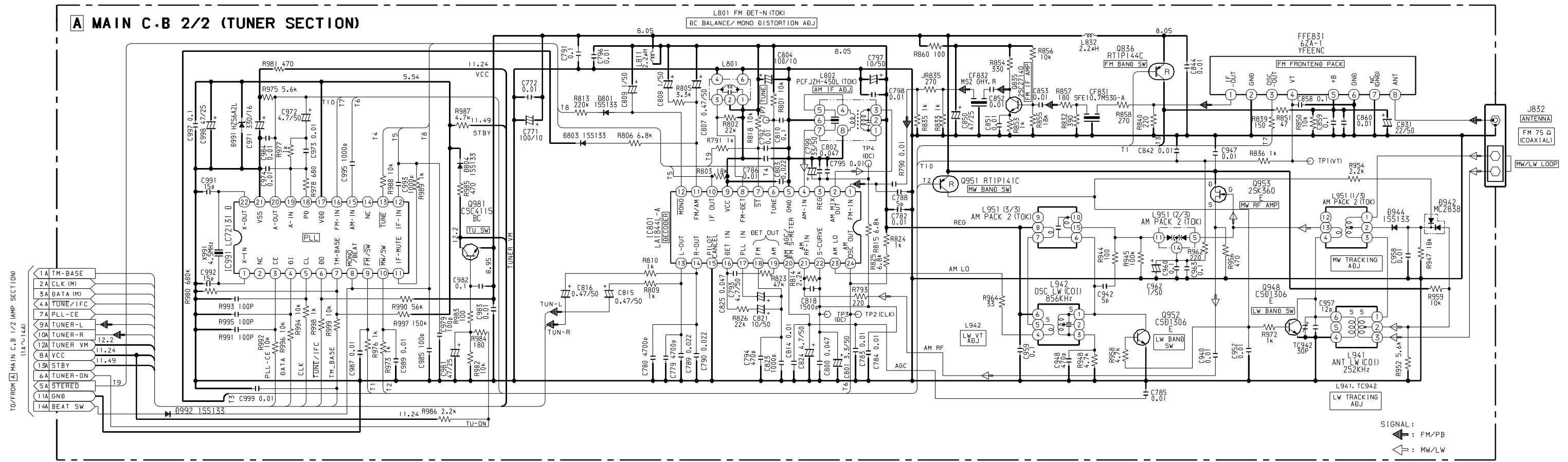


SCHEMATIC DIAGRAM - 1 (MAIN : 1/2 <AMP SECTION>)





SCHEMATIC DIAGRAM - 2 (MAIN : 2 / 2 <TUNER SECTION>)



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

# B FRONT C.B

IC961  
(REMOTE SENSOR)

S308 BBE  
S309 T-BASS

FL901  
(DISPLAY)

S323 CD  
S324 VIDEO/AUX

S325  
TUNER BAND

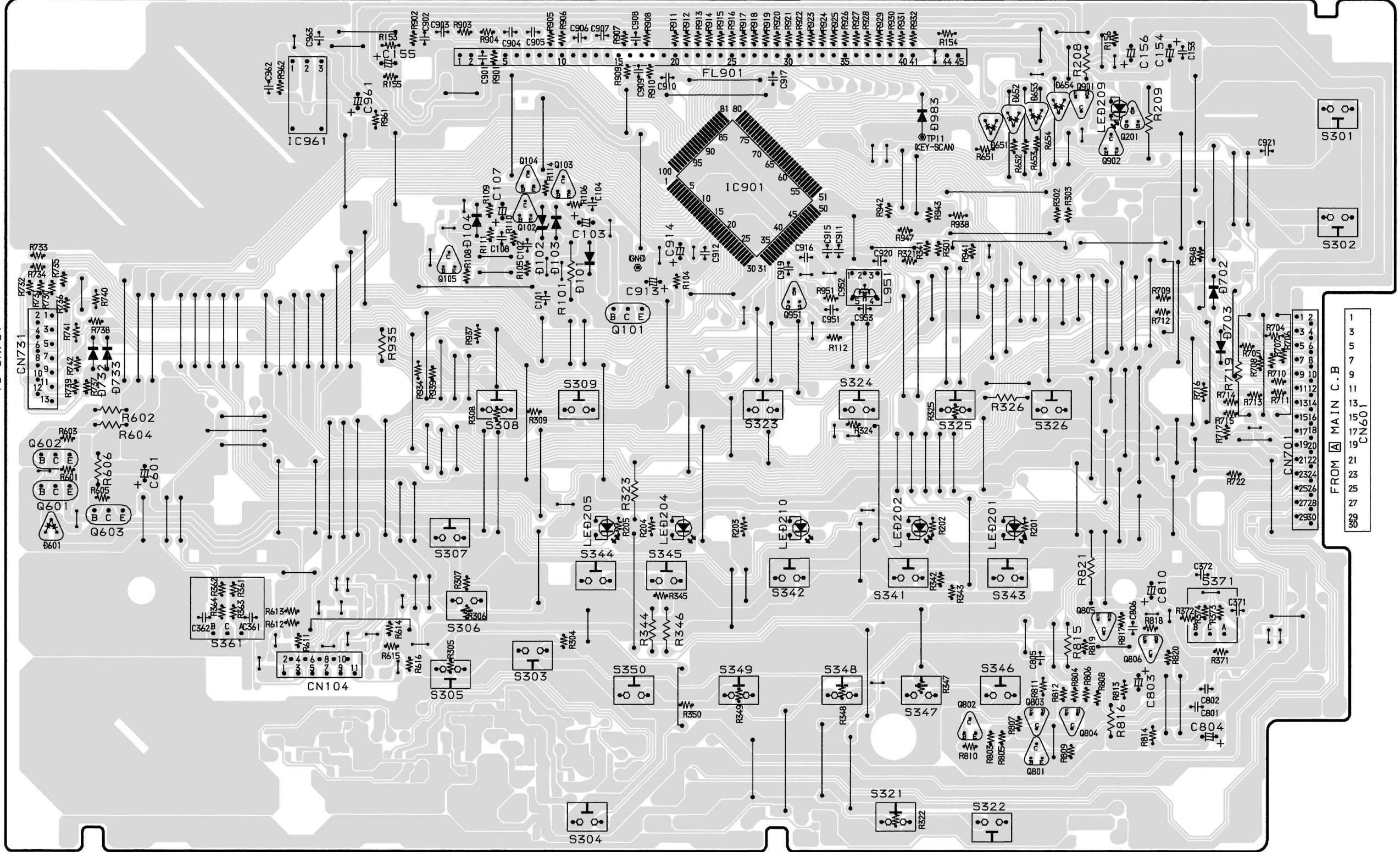
S326 TAPE DECK 1/2  
LED209 (STANDBY)

S301  
POWER ON  
STANDBY/ON

S302  
ECO

TO CB MECHANISM  
AZG-1 ZD4RDC

TO CN731



FROM MAIN C.B  
CN601

S361  
MULTI JOG

TO CN104

S303  
ENTER

TUNING

LED210  
S342  
PRESET

LED202  
S341  
CLEAR

LED201  
S343  
SET

S371  
VOLUME

GRAPHIC EQUALIZER

LED205  
S344  
UP

LED204  
S345  
DOWN

DISC DIRECT PLAY

S307  
ROCK

S306  
POP

S305  
CLASSIC

S350  
OPEN/CLOSE

S349  
DISC CHANGE

S348  
3

S347  
2

S346  
1

S304  
TIMER

S321  
REC/REC MUTE

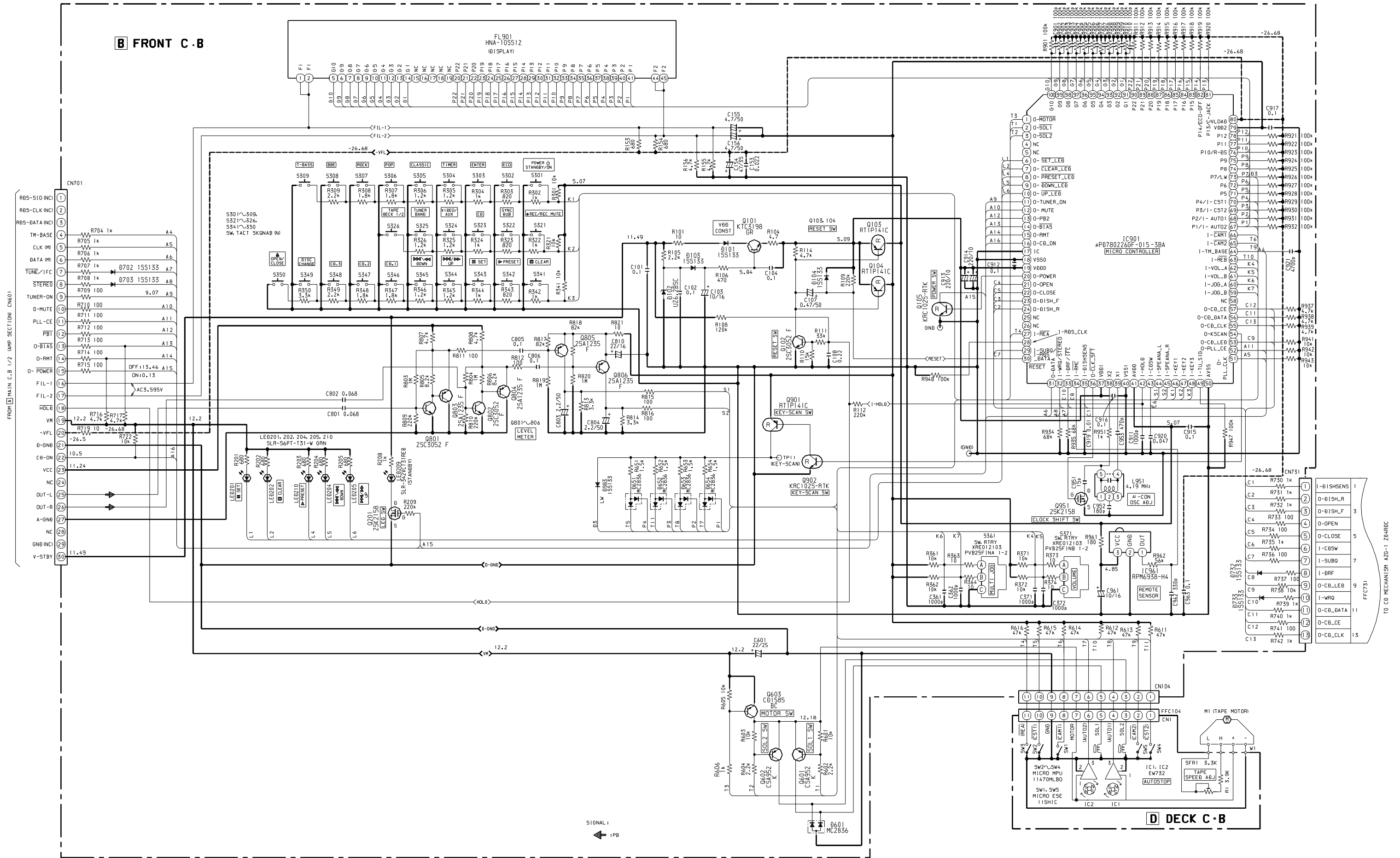
S322  
SYNC DUB

TO DECK C.B  
CN1

FFC104

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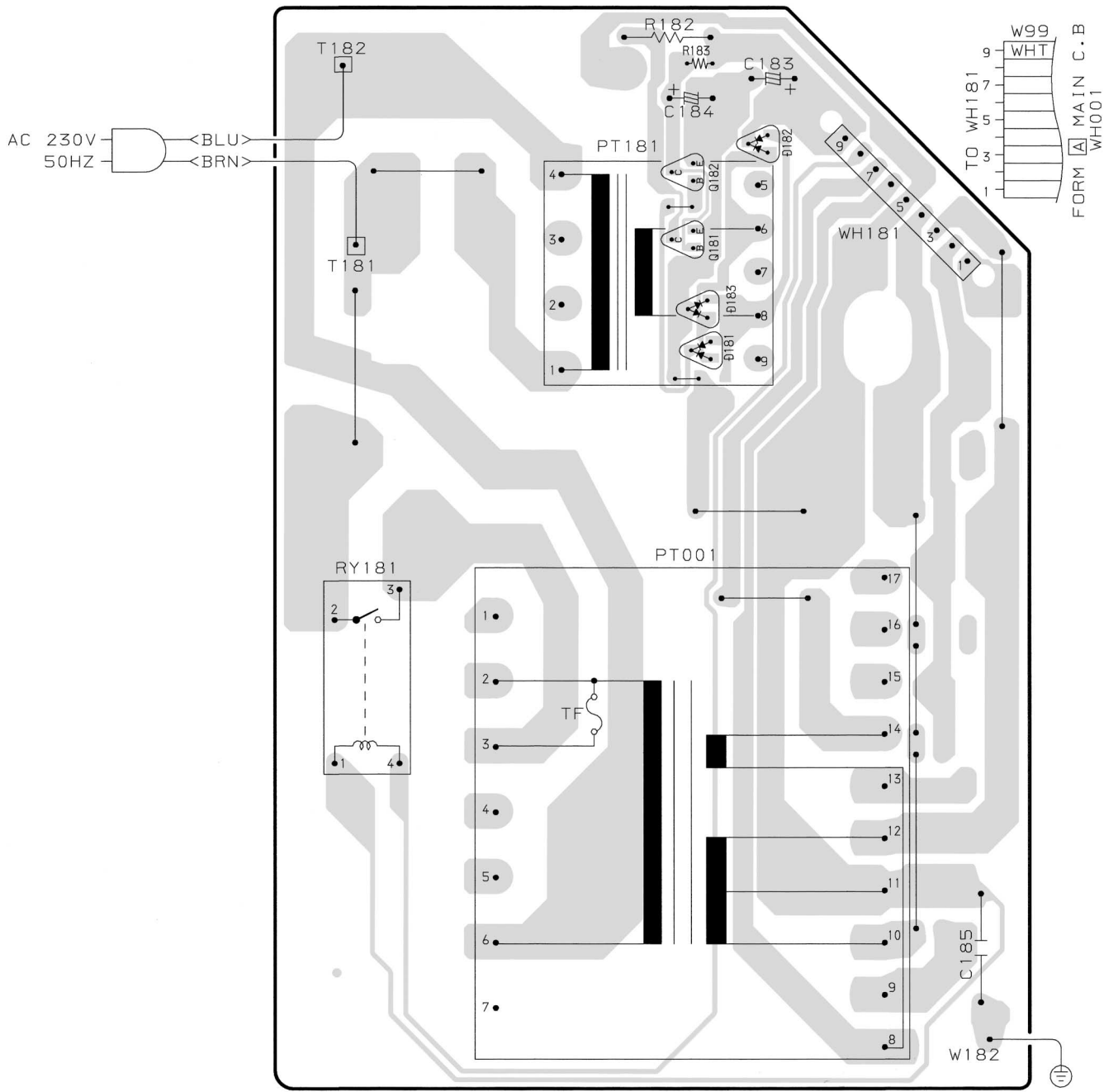
SCHEMATIC DIAGRAM - 3 (FRONT / DECK)



WIRING - 3 (PT)

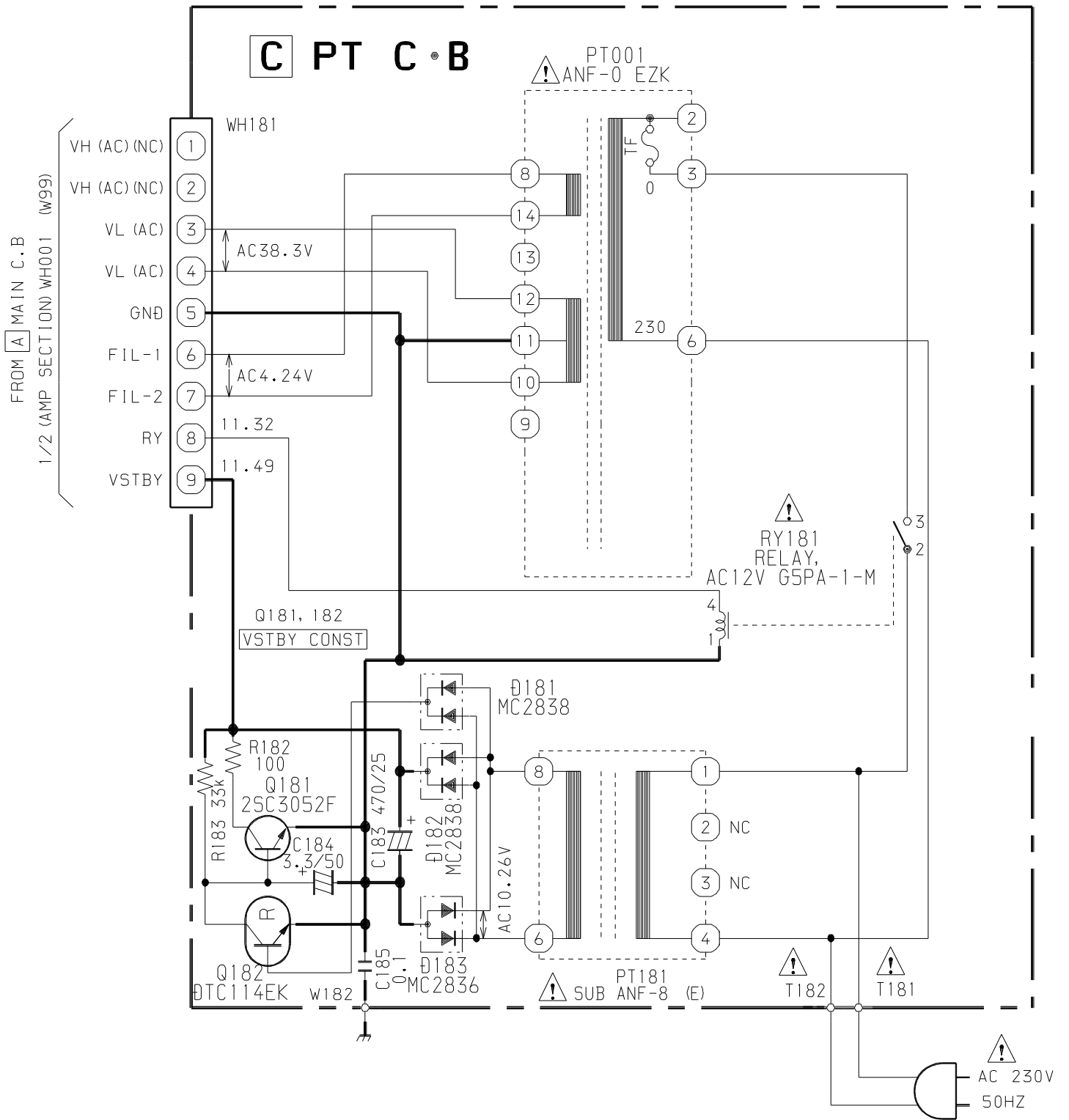
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C PT C.B



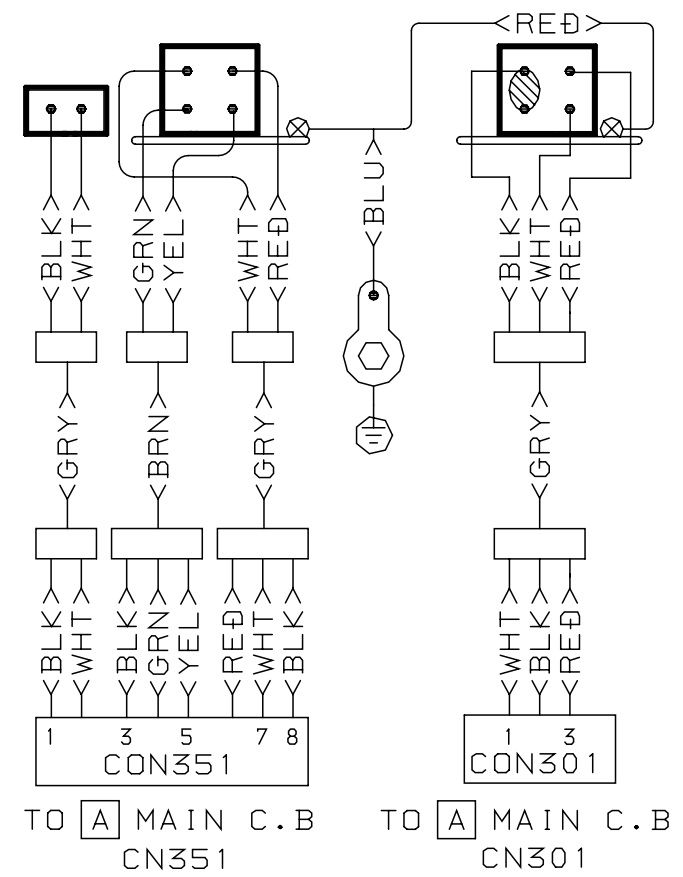
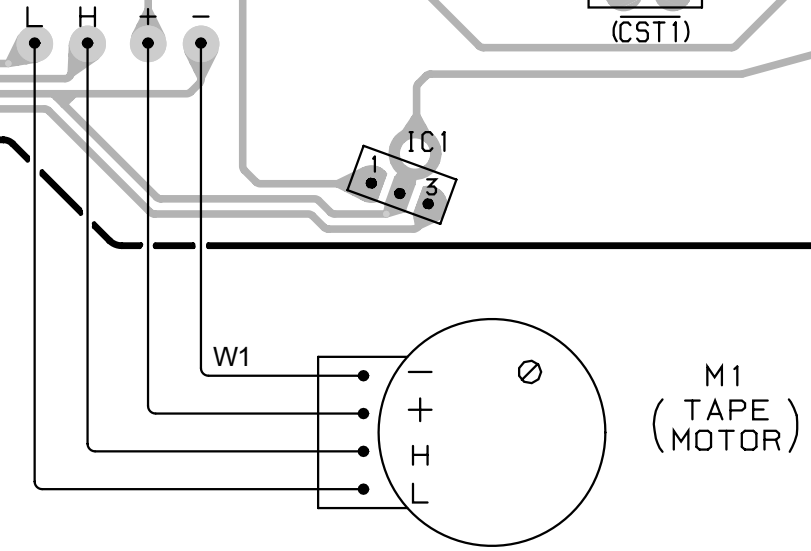
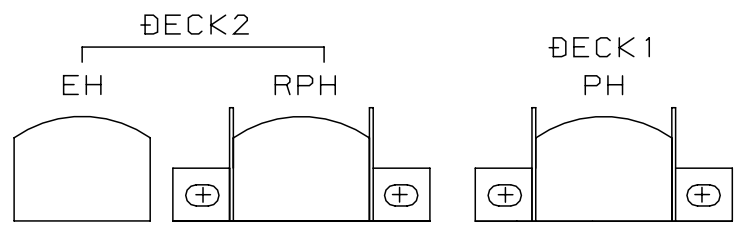
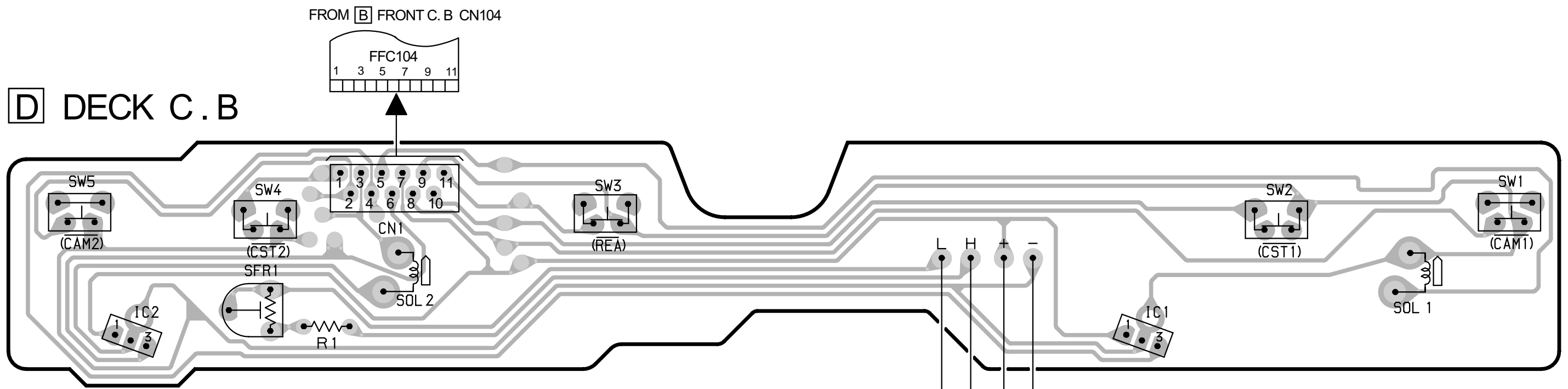
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SCHEMATIC DIAGRAM – 4 (PT)



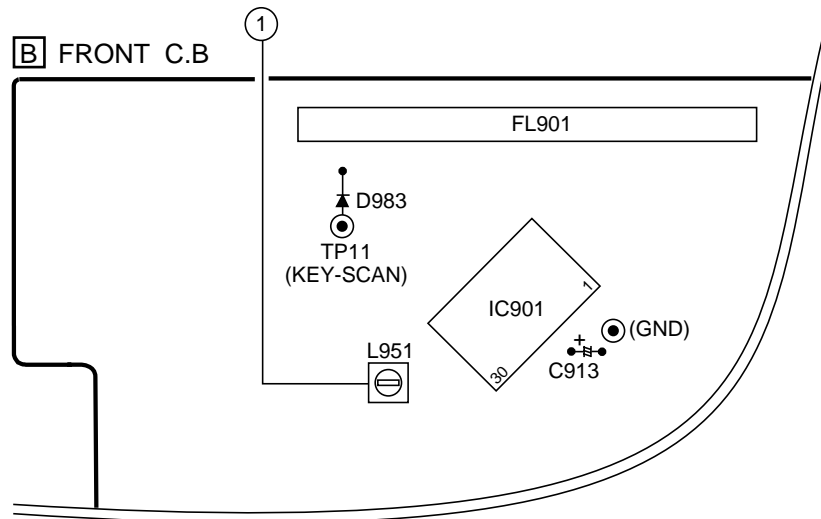
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**D** DECK C.B



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## ADJUSTMENT – 2 <FRONT>



### < FRONT SECTION >

#### 1. $\mu$ -CON OSC Adjustment

Settings : • Test point : TP11 (KEY-SCAN), (GND)  
• Adjustment location : L951

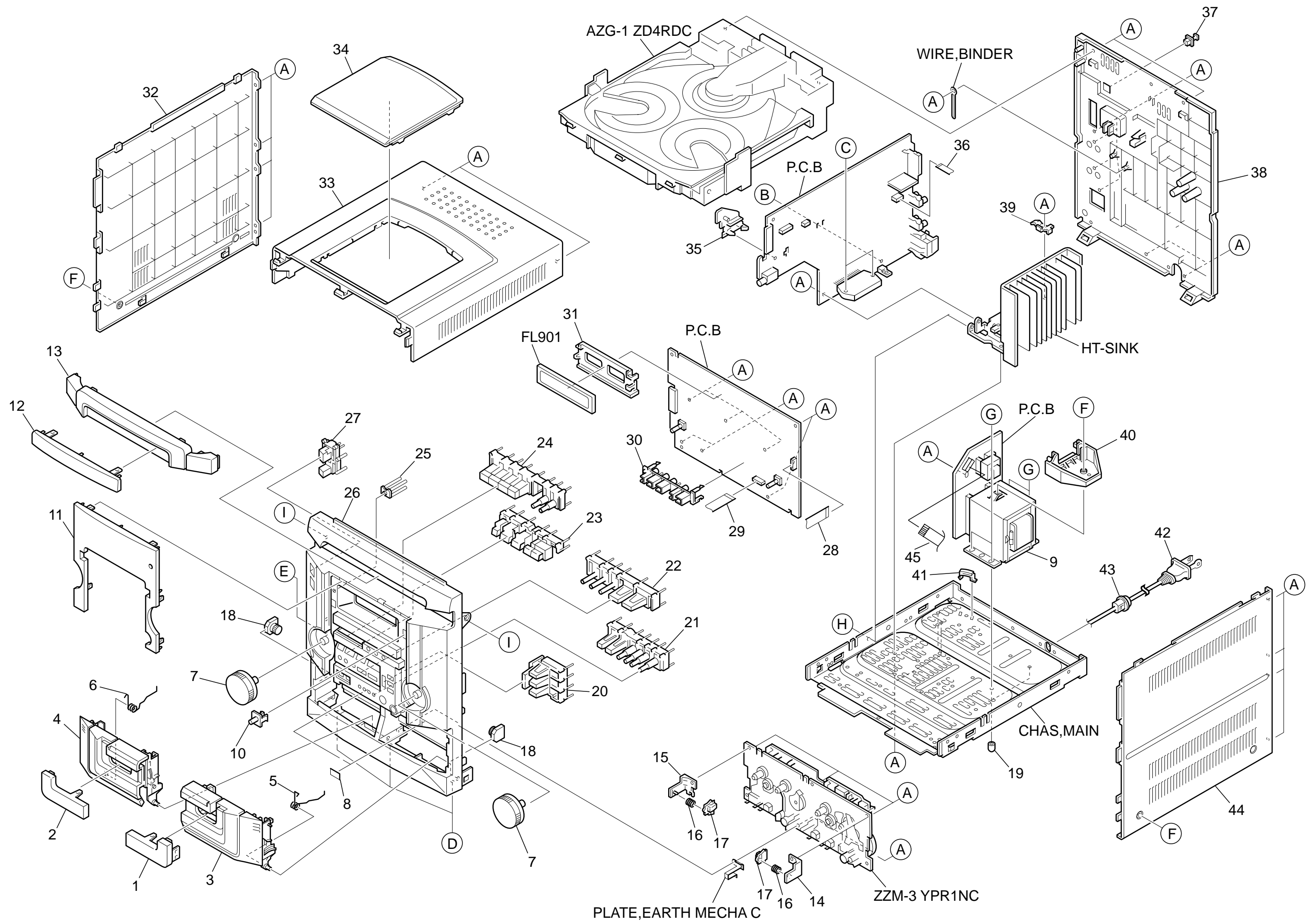
Method : Insert AC plug while pressing of "POWER" key and "TUNER" function key.

Connect a frequency counter across TP11 and GND.  
Then adjust L951 so that the test point becomes  
 $92.470\text{Hz} \pm 0.092\text{Hz}$ .

[ Manual Reset ]

Make up for RESET after adjustment.

\* Reset is to press "POWER" key while pressing of "CLEAR(STOP)" key.



PLATE,EARTH MECHA C



# MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NF0-007-010		WINDOW, CASS 2	31	82-NF7-210-110		GUIDE, FL (*)
2	8A-NF0-006-010		WINDOW, CASS 1	32	8A-NF8-007-010		PANEL, LEFT V-2
3	8A-NF0-004-010		BOX, CASS 2	33	8A-NF8-005-010		PANEL, TOP
4	8A-NF0-003-010		BOX, CASS 1	34	8A-NF8-006-010		WINDOW, TOP
5	8A-NF8-208-010		SPR-T, EJECT 2	35	8A-NF8-206-010		HLDR, PWB M
6	8A-NF8-207-010		SPR-T, EJECT 1	36	88-906-251-110		FF-CABLE, 6P 1.25
7	8A-NF0-016-010		KNOB, RTRY VOL	37	84-ZG1-245-210		CAP, OPTICAL
8	81-532-080-010		LABEL, CASS. COMPT	38	8A-NF0-074-010		CABI, REAR EZSC 5
△ 9	8A-NF0-617-010		PT, ANF-0 EZK	39	8A-NF8-216-010		HLDR, IC C
10	8A-NF0-056-010		LENS, REMOCON	40	8A-NF9-211-010		HLDR, PWB PT HI
11	8A-NF0-005-010		WINDOW, DISP U	41	87-NF4-221-010		HLDR, CABLE
12	8A-NF0-038-010		WINDOW, CD	△ 42	87-A80-157-010		AC CORD ASSY, E BLK CC
13	8A-NF0-014-010		PANEL, TRAY	43	87-085-185-010		BUSHING, AC CORD (E)
14	87-NF4-217-110		HLDR, LOCK 2	44	8A-NF8-008-010		PANEL, RIGHT V-2
15	87-NF4-216-010		HLDR, LOCK 1	45	8A-NF9-609-010		F-CABLE, 9P 2.5 480MM
16	86-NF9-224-010		SPR-C, LOCK	A	87-067-703-010		TAPPING SCREW, BVT2+3-10
17	82-NF5-229-010		PLATE, LOCK	B	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
18	8A-NF8-209-010		OIL-DMPR, 120	C	87-067-581-010		TAPPING SCREW, BVT2+3-15
19	8Z-NB8-240-010		COVER, PL	D	87-067-689-010		TAPPING SCREW, BVT2+3-8
20	8A-NF0-025-010		KEY, ENTER	E	87-723-096-410		QT2+3-10W/O SLOT BL
21	8A-NF0-018-010		KEY, SYNC	F	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
22	8A-NF0-019-010		KEY, CD	G	87-078-191-010		S-SCREW, IT4-10
23	8A-NF0-010-010		KEY, ASSY OPE 1 WAY	H	87-721-096-410		QT2+3-10 GLD
24	8A-NF0-009-010		KEY, FUN	I	87-721-097-410		QT2+3-12 GLD
25	8A-NF0-021-010		REFLECTOR, ECO				
26	8A-NF0-047-010		CABI, FR EZ 5				
27	8A-NF0-008-010		KEY, POWER				
28	88-913-301-110		FF-CABLE, 13P-1.25				
29	88-911-101-110		FF-CABLE, 11P 1.25				
30	8A-NF0-201-010		GUIDE, OPE 1 WAY				

## 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

## SPEAKER PARTS LIST (SX-NBL25) <YSC9>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NSA-001-010		PANEL, FR
2	8A-NSA-014-010		PANEL, DUCT
3	8A-NSA-003-010		GRILLE, FRAME ASSY
4	8A-NSK-602-010		SPKR, W 140
5	8A-NSK-606-010		SPKR, T 60
6	87-NSH-612-010		SPKR, CERAMIC ASSY
7	87-NS7-611-010		CORD, SPKR
8	8A-NSJ-006-010		BADGE, AIWA S35

## ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NF0-906-110		IB, EZ (9L) FM-BL24
2	87-043-106-010		WIRE, FM ANT (Z)
3	87-A90-030-010		ANT, LOOP AM-NC C
4	8Z-NF9-702-010		RC UNIT, ZAS02

**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