

SERVICE MANUAL

COMPACT DISC
STEREO SYSTEM

BASIC TAPE MECHANISM : ZZM-3 PR1NM
BASIC CD MECHANISM : AZG-1 ZD3RDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-DP15	CX-NDP15	SX-NSZ20 SX-R277 SX-C607	RC-ZAS10

- This Service Manual is the "Supplement" and replaces "Simple Manual", (S/M Code No. 09-004-428-0T4).
- This Service Manual contains information about the difference between NSX-DP15 (K) and NSX-DP25 (EZ). If requiring the other information, see Service Manual of NSX-DP25 (EZ), (S/M Code No. 09-006-428-0R2).
- If requiring information about the CD mechanism, see Service Manual of AZG-1, (S/M Code No. 09-001-335-3N8).

SPECIFICATIONS

<FM tuner section>

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

<MW tuner section>

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

<LW tuner section>

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

<Amplifier section>

Power output

Front
 Rated: 50 W + 50 W (6 ohms, THD 1%,
 1 kHz/DIN 45500)
 Reference: 60 W + 60 W (6 ohms,
 THD 10%, 1 kHz/DIN 45324)
 DIN MUSIC POWER: 120 W + 120 W

Rear (Surround)
 Rated: 20 W + 20 W (8 ohms, THD 1%,
 1 kHz/DIN 45500)
 Reference: 25 W + 25 W (8 ohms,
 THD 10%, 1 kHz/DIN 45324)
 DIN MUSIC POWER: 50 W + 50 W

Center
 Rated: 20 W (8 ohms, THD 1%,
 1 kHz/DIN 45500)
 Reference: 25 W (8 ohms, THD 10%,
 1 kHz/DIN 45324)
 DIN MUSIC POWER: 70 W

Total harmonic distortion 0.1% (25 W, 1 kHz, 6 ohms,
 DIN AUDIO/Front)

Inputs VIDEO/AUX: 300 mV (adjustable)
Outputs SPEAKERS: accept speakers of 6
 ohms or more
 SURROUND SPEAKERS: accept
 speakers of 8 ohms to 16 ohms
 CENTER SPEAKER: accept speakers
 of 8 ohms or more
 SUBWOOFER: 1.6 V
 PHONES (stereo jack): accept
 headphones of 32 ohms or more

<Cassette deck section>

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

<Compact disc player section>

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

<General>


Power requirements 230 V AC, 50 Hz
Power consumption 140 W
Power consumption in standby mode 20 W with power-economizing mode off
 0.9 W with power-economizing mode on

Dimensions of main unit (W x H x D) 260 x 328 x 390 mm
Weight of main unit 9.0 kg

<Speaker system SX-NSZ20>

Speaker system 3 way, bass reflex (magnetic
 shielded type)
Speaker units Woofer: 140 mm cone type
 Tweeter: 60 mm cone type
 Super tweeter: 20 mm ceramic type

Impedance 6 ohms
Output sound pressure level 87 dB/W/m
Dimensions (W x H x D) 230 x 324 x 256 mm
Weight 3.8 kg

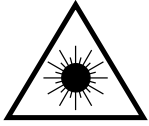
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- Manufactured under license from Dolby Laboratories Licensing Corporation.
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PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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 laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

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

ATTENTION

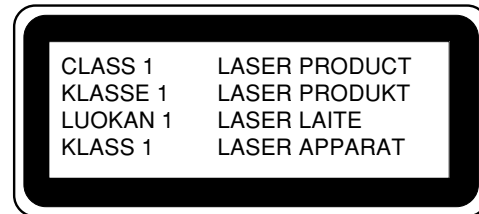
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

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

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

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

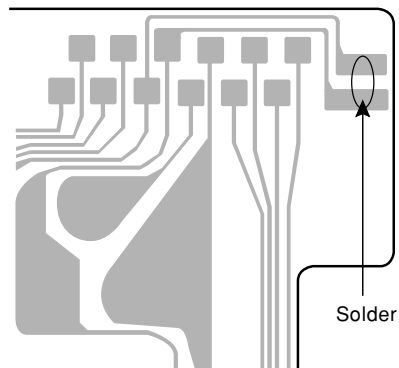


Precaution to replace Optical block (KSS-213F)

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.

(KSS – 213F)
PICKUP Assy P.C.B.



ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C36	87-010-381-080		CAP, ELECT 330-16V
	87-A21-398-010		IC, STK490-110	C38	87-010-384-080		CAP, ELECT 100-25V
	87-A20-783-040		C-IC, BA7762AFS	C39	87-010-384-080		CAP, ELECT 100-25V
	87-A21-097-040		C-IC, M62463AFP	C40	87-010-197-080		CAP, CHIP 0.01 DM
	87-A21-452-030		C-IC, BD3876KS2	C60	87-010-403-080		CAP, ELECT 3.3-50V
	87-A21-560-010		IC, LA1844L				
	8A-NFW-602-110		C-IC, UPD780228GF-074-3BA	C61	87-010-404-080		CAP, ELECT 4.7-50V
	87-A21-482-010		IC, RPM6938-H4	C62	87-010-404-080		CAP, ELECT 4.7-50V
	87-070-127-110		IC, LC72131 D	C110	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A20-440-040		C-IC, BU1920FS	C115	87-010-404-080		CAP, ELECT 4.7-50V
	87-A21-269-010		IC, EW732	C116	87-010-404-080		CAP, ELECT 4.7-50V
TRANSISTOR				C151	87-010-382-080		CAP, E 22-25 MΩ
	87-026-245-080		TR, DTC114ES	C161	87-010-176-080		C-CAP, S 680P-50 J SL
	87-026-609-080		TR, KTA1266GR	C162	87-010-176-080		C-CAP, S 680P-50 J SL
	87-A30-198-080		TR, KTC3199GR	C163	87-010-196-080		CHIP CAPACITOR, 0.1-25
	89-213-702-010		TR, 2SB1370 (1.8W)	C164	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-026-610-080		TR, KTC3198GR				
	87-A30-076-080		C-TR, 2SC3052F	C165	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A30-075-080		C-TR, 2SA1235F	C171	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-318-080		TR, CSA952K	C172	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-107-070		C-TR, CMBT5401	C173	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-074-080		C-TR, RT1P 141C	C174	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-468-080		C-TR, KRC102S-RTK				
	87-A30-106-080		C-TR, CMBT5551	C175	87-010-213-080		C-CAP, S 0.015-25 KB
	87-A30-087-080		C-FET, 2SK2158	C176	87-010-213-080		C-CAP, S 0.015-25 KB
	87-A30-063-080		C-TR, KRA104S	C177	87-010-197-080		CAP, CHIP 0.01 DM
	87-A30-086-040		C-TR, CSD1306E	C178	87-010-197-080		CAP, CHIP 0.01 DM
	87-A30-329-080		TR, CD1585BC	C301	87-010-318-080		C-CAP, S 47P-50 CH
	89-327-143-080		TR, 2SC2714 (0.1W)				
	87-A30-072-080		C-TR, RT1P 144C	C302	87-010-318-080		C-CAP, S 47P-50 CH
	87-A30-234-080		TR, CSC4115BC	C303	87-012-157-080		C-CAP, S 330P-50 CH
	89-503-602-080		C-FET, 2SK360E	C304	87-012-157-080		C-CAP, S 330P-50 CH
	87-A30-495-080		TR, 2SA1981Y	C305	87-012-157-080		C-CAP, S 330P-50 CH
				C306	87-012-157-080		C-CAP, S 330P-50 CH
DIODE				C307	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A40-548-090		DIODE, D3SBA20	C309	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-017-447-010		DIODE, GBU4DL	C310	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A40-553-080		DIODE, 1N4003 LES	C311	87-010-198-080		CAP, CHIP 0.022
	87-A40-776-080		ZENER, UZ27BSD	C312	87-010-198-080		CAP, CHIP 0.022
	87-A40-764-080		ZENER, UZ10BSC				
	87-070-274-080		DIODE, 1N4003 SEM	C313	87-010-180-080		C-CER 1500P
	87-A40-313-080		C-DIODE, MC 2840	C314	87-010-180-080		C-CER 1500P
	87-A40-270-080		C-DIODE, MC2838	C315	87-010-182-080		C-CAP, S 2200P-50 B
	87-A40-269-080		C-DIODE, MC2836	C316	87-010-182-080		C-CAP, S 2200P-50 B
	87-A40-854-080		ZENER, UZ15BSA	C321	87-012-142-080		CAP, S 0.33-16
	87-020-465-080		DIODE, 1SS133				
	87-A40-752-080		ZENER, UZ6.2BSC	C322	87-012-142-080		CAP, S 0.33-16
	87-A40-760-080		ZENER, UZ9.1BSA	C324	87-010-260-080		CAP, ELECT 47-25V
	87-A40-747-080		ZENER, UZ5.1BSB	C325	87-010-370-080		CAP, E 330-6.3 SME
	87-A40-745-080		ZENER, UZ4.7BSA	C327	87-010-404-080		CAP, ELECT 4.7-50V
	87-017-149-080		ZENER, HZS6A2L	C328	87-010-404-080		CAP, ELECT 4.7-50V
MAIN C.B				C332	87-010-196-080		CHIP CAPACITOR, 0.1-25
				C335	87-010-401-080		CAP, ELECT 1-50V
C3	87-012-368-080		C-CAP, S 0.1-50 F	C336	87-010-401-080		CAP, ELECT 1-50V
C4	87-012-368-080		C-CAP, S 0.1-50 F	C337	87-010-196-080		CHIP CAPACITOR, 0.1-25
C21	87-016-495-000		CAP, E 3300-25 M SMG	C339	87-010-196-080		CHIP CAPACITOR, 0.1-25
C22	87-016-495-000		CAP, E 3300-25 M SMG				
C25	87-010-382-080		CAP, ELECT 22-25V	C340	87-010-196-080		CHIP CAPACITOR, 0.1-25
				C351	87-012-140-080		CAP 470P
C26	87-010-382-080		CAP, ELECT 22-25V	C352	87-012-140-080		CAP 470P
C27	87-010-382-080		CAP, ELECT 22-25V	C354	87-010-175-080		CAP 560P
C28	87-010-382-080		CAP, ELECT 22-25V	C355	87-012-349-080		C-CAP, S 1000P-50 J CH GRM
C31	87-010-263-080		CAP, ELECT 100-10V				
C32	87-010-197-080		CAP, CHIP 0.01 DM	C356	87-010-260-080		CAP, ELECT 47-25V
				C357	87-010-197-080		CAP, CHIP 0.01 DM
C34	87-010-260-080		CAP, ELECT 47-25V	C358	87-010-183-080		C-CAP, S 2700P-50 B
C35	87-010-406-080		CAP, ELECT 22-50V	C359	87-010-183-080		C-CAP, S 2700P-50 B
				C360	87-010-183-080		C-CAP, S 2700P-50 B
				C370	87-010-196-080		CHIP CAPACITOR, 0.1-25
				C373	87-016-083-080		C-CAP, S 0.15-16 RK
				C374	87-016-083-080		C-CAP, S 0.15-16 RK
				C378	87-010-196-080		CHIP CAPACITOR, 0.1-25
				C379	87-010-382-080		CAP, ELECT 22-25V
				C380	87-010-382-080		CAP, ELECT 22-25V
				C386	87-010-196-080		CHIP CAPACITOR, 0.1-25
				C388	87-012-156-080		C-CAP, S 220P-50 CH
				C391	87-010-319-080		C-CAP, S 56P-50 CH
				C392	87-010-319-080		C-CAP, S 56P-50 CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C393	87-010-319-080		C-CAP,S 56P-50 CH	C629	87-010-596-080		CAP, S 0.047-16
C394	87-010-319-080		C-CAP,S 56P-50 CH	C630	87-010-263-080		CAP, ELECT 100-10V
C401	87-010-176-080		C-CAP,S 680P-50 SL	C631	87-010-185-080		C-CAP,S 3900P-50 B
C402	87-010-176-080		C-CAP,S 680P-50 SL	C632	87-010-185-080		C-CAP,S 3900P-50 B
C403	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C633	87-010-178-080		CHIP CAP 1000P
C404	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C634	87-010-196-080		CHIP CAPACITOR,0.1-25
C405	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C635	87-A10-307-080		CAP,M 0.1-50 J
C406	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C636	87-A10-307-080		CAP,M 0.1-50 J
C407	87-010-401-080		CAP, ELECT 1-50V	C637	87-A10-307-080		CAP,M 0.1-50 J
C408	87-010-401-080		CAP, ELECT 1-50V	C638	87-A10-307-080		CAP,M 0.1-50 J
C409	87-010-190-080		CHIP CAPACITOR,0.01-50	C639	87-010-405-080		CAP, ELECT 10-50V
C410	87-010-112-080		CAP, ELECT 100-16V	C643	87-010-196-080		CHIP CAPACITOR,0.1-25
C411	87-010-400-080		CAP, ELECT 0.47-50V	C644	87-010-401-080		CAP, ELECT 1-50V
C412	87-010-400-080		CAP, ELECT 0.47-50V	C645	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C413	87-010-400-080		CAP, ELECT 0.47-50V	C671	87-010-322-080		C-CAP,S 100P-50 CH
C414	87-010-401-080		CAP, ELECT 1-50V	C672	87-010-322-080		C-CAP,S 100P-50 CH
C417	87-010-221-080		CAP, ELECT 470-10V	C673	87-010-197-080		CAP, CHIP 0.01 DM
C418	87-A10-891-080		CAP,E 4.7-25 SME(K)	C675	87-016-669-080		C-CAP,S 0.1-25 K B
C419	87-A10-800-080		C-CAP,S 6800P-16 J B CM	C679	87-010-196-080		CHIP CAPACITOR,0.1-25
C420	87-010-374-080		CAP, ELECT 47-10V	C680	87-010-197-080		CAP, CHIP 0.01 DM
C421	87-010-190-080		CHIP CAPACITOR,0.01-50	C682	87-010-196-080		CHIP CAPACITOR,0.1-25
C422	87-A11-537-080		C-CAP,S 0.1-25 J B	C685	87-010-196-080		CHIP CAPACITOR,0.1-25
C424	87-010-374-080		CAP, ELECT 47-10V	C771	87-010-263-080		CAP, ELECT 100-10V
C425	87-010-196-080		CHIP CAPACITOR,0.1-25	C772	87-010-197-080		CAP, CHIP 0.01 DM
C428	87-012-156-080		C-CAP,S 220P-50J	C779	87-010-188-080		C-CAP,S 6800P-50 JR
C430	87-A10-201-080		CAP, S 0.33-16 K B	C780	87-010-188-080		C-CAP,S 6800P-50 JR
C431	87-010-971-080		C-CAP,S 4700P-50 B J	C782	87-010-197-080		CAP, CHIP 0.01 DM
C432	87-012-349-080		C-CAP,S 1000P-50 J CH	C783	87-010-197-080		CAP, CHIP 0.01 DM
C433	87-A11-183-080		C-CAP,S 0.12-16 J B	C784	87-010-197-080		CAP, CHIP 0.01 DM
C434	87-A11-182-080		C-CAP,S 0.27-16 J B	C785	87-010-197-080		CAP, CHIP 0.01 DM
C435	87-A11-182-080		C-CAP,S 0.27-16 J B	C786	87-010-197-080		CAP, CHIP 0.01 DM
C436	87-A11-183-080		C-CAP,S 0.12-16 J B	C788	87-010-149-080		C-CAP,S 5P-50 CH
C437	87-010-971-080		C-CAP,S 4700P-50 B J	C789	87-A10-592-080		C-CAP,S 0.015-50 J B
C438	87-012-349-080		C-CAP,S 1000P-50 J CH	C790	87-A10-592-080		C-CAP,S 0.015-50 J B
C439	87-A11-733-080		C-CAP,S 1-16 Z F	C791	87-010-196-080		CHIP CAPACITOR,0.1-25
C440	87-010-401-080		CAP, ELECT 1-50V	C792	87-010-197-080		CAP, CHIP 0.01 DM
C441	87-A10-799-080		C-CAP,S 5600P-16 J B CM	C793	87-010-404-080		CAP, ELECT 4.7-50V
C442	87-A10-802-080		C-CAP,S 0.047-16 J B CM	C794	87-012-155-080		C-CAP,S 180P-50 J CH GRM
C443	87-A10-229-080		C-CAP,S 0.68-10 K W5	C795	87-010-197-080		CAP, CHIP 0.01 DM
C444	87-012-393-080		C-CAP,S 0.22-16 R K	C796	87-010-197-080		CAP, CHIP 0.01 DM
C445	87-012-393-080		C-CAP,S 0.22-16 R K	C797	87-010-405-080		CAP, ELECT 10-50V
C446	87-010-404-080		CAP, ELECT 4.7-50V	C798	87-010-197-080		CAP, CHIP 0.01 DM
C447	87-010-404-080		CAP, ELECT 4.7-50V	C799	87-010-407-080		CAP, ELECT 33-50V
C448	87-012-393-080		C-CAP,S 0.22-16 R K	C800	87-010-194-080		CAP, CHIP 0.047
C449	87-012-393-080		C-CAP,S 0.22-16 R K	C801	87-010-403-080		CAP, ELECT 3.3-50V
C450	87-016-669-080		C-CAP,S 0.1-25 K B	C802	87-010-194-080		CAP, CHIP 0.047
C451	87-A10-802-080		C-CAP,S 0.047-16 J B CM	C803	87-010-198-080		CAP, CHIP 0.022
C452	87-A10-802-080		C-CAP,S 0.047-16 J B CM	C804	87-010-263-080		CAP, ELECT 100-10V
C453	87-016-669-080		C-CAP,S 0.1-25 K B	C807	87-010-400-080		CAP, ELECT 0.47-50V
C454	87-016-669-080		C-CAP,S 0.1-25 K B	C808	87-010-401-080		CAP, ELECT 1-50V
C455	87-A10-801-080		C-CAP,S 0.022-16 J B	C809	87-010-401-080		CAP, ELECT 1-50V
C456	87-A10-801-080		C-CAP,S 0.022-16 J B	C810	87-010-196-080		CHIP CAPACITOR,0.1-25
C457	87-016-669-080		C-CAP,S 0.1-25 K B	C811	87-010-403-080		CAP, ELECT 3.3-50V
C489	87-010-545-080		CAP, ELECT 0.22-50V	C812	87-010-403-080		CAP, ELECT 3.3-50V
C492	87-010-402-080		CAP, ELECT 2.2-50V	C814	87-010-197-080		CAP, CHIP 0.01 DM
C609	87-010-181-080		CAP,CHIP S 1800P	C815	87-010-400-080		CAP, ELECT 0.47-50V
C610	87-010-181-080		CAP,CHIP S 1800P	C816	87-010-400-080		CAP, ELECT 0.47-50V
C611	87-010-598-080		C-CAP,S 0.068-16VRK	C818	87-010-180-080		C-CAP,S 1500P-50 K B C2012
C612	87-016-369-080		C-CAP,S 0.033-25 B K	C821	87-010-405-080		CAP, ELECT 10-50V
C613	87-010-197-080		CAP, CHIP 0.01 DM	C823	87-012-349-080		C-CAP,S 1000P-50 J CH GRM
C614	87-016-669-080		C-CAP,S 0.1-25 K B	C824	87-010-404-080		CAP, ELECT 4.7-50 M
C618	87-010-401-080		CAP, ELECT 1-50V	C825	87-010-596-080		CAP, S 0.047-16
C619	87-010-263-080		CAP, ELECT 100-10V	C831	87-010-406-080		CAP, E 22-50 M
C620	87-016-669-080		C-CAP,S 0.1-25 K B	C842	87-010-197-080		CAP, CHIP 0.01 DM
C621	87-010-197-080		CAP, CHIP 0.01 DM	C843	87-010-197-080		CAP, CHIP 0.01 DM
C623	87-010-401-080		CAP, ELECT 1-50V	C844	87-010-197-080		CAP, CHIP 0.01 DM
C624	87-010-401-080		CAP, ELECT 1-50V	C845	87-010-197-080		CAP, CHIP 0.01 DM
C626	87-010-596-080		CAP, S 0.047-16	C846	87-010-197-080		CAP, CHIP 0.01 DM
C627	87-010-400-080		CAP, ELECT 0.47-50V	C847	87-010-197-080		CAP, CHIP 0.01 DM
C628	87-010-400-080		CAP, ELECT 0.47-50V	C848	87-010-197-080		CAP, CHIP 0.01 DM

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C849	87-010-197-080		CAP, CHIP 0.01 DM	L302	87-A50-625-010		COIL, TRAP 85K (SANWA)
C850	87-010-260-080		CAP, ELECT 47-25V	L351	87-007-342-010		COIL, OSC 85K BIAS
C851	87-010-197-080		CAP, CHIP 0.01 DM	L801	87-A50-608-010		COIL, FM DET-N (TOK)
C852	87-010-197-080		CAP, CHIP 0.01 DM	L802	87-A91-551-010		FLTR, PCFJZH-450 L (TOK)
C853	87-010-197-080		CAP, CHIP 0.01 DM	L811	87-005-847-080		COIL, 2.2UH (CECS)
C858	87-010-196-080		CHIP CAPACITOR, 0.1-25	L832	87-005-847-080		COIL, 2.2UH (CECS)
C859	87-010-196-080		CHIP CAPACITOR, 0.1-25	L861	87-005-847-080		COIL, 2.2UH (CECS)
C860	87-010-197-080		CAP, CHIP 0.01 DM	L941	87-A50-020-010		COIL, ANT LW (COI) 252KHZ
C869	87-010-197-080		C-CAP, S 0.01-25 K B C2012	L942	87-A50-019-010		COIL, OSC LW (COI) 856KHZ
C870	87-010-178-080		CHIP CAP 1000P	L951	8Z-ZA1-665-010		COIL, AM PACK2 (TOK)
C871	87-012-156-080		C-CAP, S 220P-50 J CH GRM	R161	87-A00-440-050		RES, 220-1/2W J RP
C872	87-012-156-080		C-CAP, S 220P-50 J CH GRM	R162	87-A00-440-050		RES, 220-1/2W J RP
C873	87-012-140-080		C-CAP, S 470P-50 J CH	R163	87-A00-440-050		RES, 220-1/2W J RP
C874	87-010-405-080		CAP, E 10-50 M 11L SME	R164	87-A00-440-050		RES, 220-1/2W J RP
C875	87-010-196-080		C-CAP, S 0.1-25 Z F C2012	R790	87-010-197-080		CAP, CHIP 0.01 DM
C876	87-010-405-080		CAP, E 10-50 M 11L SME	R991	87-010-322-080		C-CAP, S 100P-50 CH
C877	87-010-197-080		C-CAP, S 0.01-25 K B C2012	R993	87-010-322-080		C-CAP, S 100P-50 CH
C878	87-010-316-080		C-CAP, S 33P-50 J CH GRM	R995	87-010-322-080		C-CAP, S 100P-50 CH
C879	87-010-314-080		C-CAP, S 22P-50 J CH GRM	SFR351	87-A90-433-080		SFR, 50K H NVZ6TLTA
C940	87-010-197-080		C-CAP, S 0.01-25 K B C2012	SFR352	87-A90-433-080		SFR, 50K H NVZ6TLTA
C942	87-010-149-080		C-CAP, S 5P-50 C CH GRM	WH1	87-A90-510-010		HLD, WIRE 2.5-9P
C947	87-010-197-080		C-CAP, S 0.01-25 K B C2012	X861	87-A70-091-010		VIB, XTAL 4.332MHZ CSA-309
C948	87-012-140-080		C-CAP, S 470P-50 J CH	X991	87-A70-061-010		VIB, XTAL 4.500MHZ CSA-309
C952	87-010-197-080		C-CAP, S 0.01-25 K B C2012				
C957	87-010-311-080		C-CAP, S 12P-50 J CH GRM				
C958	87-010-197-080		C-CAP, S 0.01-25 K B C2012				
C959	87-010-196-080		CHIP CAPACITOR, 0.1-25	C101	87-010-196-080		CHIP CAPACITOR, 0.1-25
C960	87-010-196-080		CHIP CAPACITOR, 0.1-25	C102	87-010-196-080		CHIP CAPACITOR, 0.1-25
C962	87-010-401-080		CAP, ELECT 1-50V	C103	87-010-498-040		CAP, E 10-16 GAS
C963	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z	C104	87-010-196-080		CHIP CAPACITOR, 0.1-25
C971	87-010-381-080		CAP, ELECT 330-16V	C107	87-010-493-040		CAP, E 0.47-50 GAS
C972	87-010-404-080		CAP, ELECT 4.7-50V				
C973	87-010-197-080		CAP, CHIP 0.01 DM	C108	87-012-393-080		C-CAP, S 0.22-16 R K
C974	87-010-197-080		CAP, CHIP 0.01 DM	C153	87-010-198-080		CAP, CHIP 0.022
C979	87-010-322-080		C-CAP, S 100P-50 CH	C154	87-010-246-040		CAP, E 47-35 SME
C981	87-010-260-080		CAP, ELECT 47-25V	C155	87-010-404-040		CAP, E 4.7-50 SME
C982	87-010-196-080		CHIP CAPACITOR, 0.1-25	C156	87-010-404-040		CAP, E 4.7-50 SME
C983	87-010-197-080		CAP, CHIP 0.01 DM				
C984	87-010-197-080		CAP, CHIP 0.01 DM	C361	87-010-178-080		CHIP CAP 1000P
C985	87-010-322-080		C-CAP, S 100P-50 J CH GRM	C362	87-010-178-080		CHIP CAP 1000P
C987	87-010-197-080		CAP, CHIP 0.01 DM	C371	87-010-178-080		CHIP CAP 1000P
C989	87-010-197-080		CAP, CHIP 0.01 DM	C372	87-010-178-080		CHIP CAP 1000P
C991	87-010-312-080		C-CAP, S 15P-50 CH	C601	87-010-382-040		CAP, E 22-25 SME
C992	87-010-312-080		C-CAP, S 15P-50 CH				
C993	87-010-178-080		CHIP CAP 1000P	C801	87-010-195-080		C-CAP, S 0.068-25 F
C995	87-010-178-080		CHIP CAP 1000P	C802	87-010-195-080		C-CAP, S 0.068-25 F
C997	87-010-196-080		CHIP CAPACITOR, 0.1-25	C803	87-010-402-040		CAP, E 2.2-50 SME
C998	87-010-260-080		CAP, ELECT 47-25V	C804	87-010-402-040		CAP, E 2.2-50 SME
C999	87-A11-155-080		CAP, TC U 0.01-16 Z F	C805	87-010-196-080		CHIP CAPACITOR, 0.1-25
CF831	87-008-423-010		FILTER, CF SFE10.7MS3G-A	C806	87-010-196-080		CHIP CAPACITOR, 0.1-25
CF832	82-785-747-010		CF, MS2 GHY, R	C810	87-010-379-040		CAP, E 22-16 SME
CN1	87-A60-996-010		CONN, 13P V BLK TAC-L13X-A3	C901	87-010-322-080		C-CAP, S 100P-50 CH
CN101	87-A60-996-010		CONN, 13P V BLK TAC-L13X-A3	C902	87-010-322-080		C-CAP, S 100P-50 CH
CN301	87-A60-620-010		CONN, 3P V 2MM JMT	C903	87-010-322-080		C-CAP, S 100P-50 CH
CN351	87-A60-625-010		CONN, 8P V 2MM JMT	C904	87-010-322-080		C-CAP, S 100P-50 CH
CN601	87-099-719-010		CONN, 30P TYK-B (X)	C905	87-010-322-080		C-CAP, S 100P-50 CH
CN602	87-A60-131-010		CONN, 6P V FE	C906	87-010-322-080		C-CAP, S 100P-50 CH
CNA1	8A-NF8-653-010		CONN ASSY, 9P TID-A(480)	C907	87-010-322-080		C-CAP, S 100P-50 CH
FB161	87-008-474-080		F-BEAD, BL02RN1-R62T2 EMI	C908	87-010-322-080		C-CAP, S 100P-50 CH
FB162	87-008-474-080		F-BEAD, BL02RN1-R62T2 EMI	C909	87-010-322-080		C-CAP, S 100P-50 CH
FB301	87-008-372-010		FLTR, EMIBLO1 RN1	C910	87-010-322-080		C-CAP, S 100P-50 CH
FFE831	A8-6ZA-191-130		6ZA-1 FEENM	C911	87-010-178-080		CHIP CAP 1000P
J102	87-A60-238-010		TERMINAL, SP 4P (MSC)	C912	87-010-196-080		CHIP CAPACITOR, 0.1-25
J103	87-A60-483-010		JACK, DIA6.3 BLK ST W/S KM	C913	87-010-248-040		CAP, E 220-10 SME
J604	87-A60-881-010		JACK, PIN 2P MSP 242V05 PBSN	C914	87-010-248-040		CAP, E 220-10 SME
J832	87-A60-403-010		TERMINAL, ANT PAL 2P HSP	C915	87-010-196-080		CHIP CAPACITOR, 0.1-25
JW416	87-008-372-010		FLTR, EMIBLO1 RN1	C916	87-010-196-080		CHIP CAPACITOR, 0.1-25
L101	87-A50-610-010		COIL, 1UH K (MDEC)	C917	87-010-196-080		CHIP CAPACITOR, 0.1-25
L102	87-A50-610-010		COIL, 1UH K (MDEC)	C919	87-010-197-080		CAP, CHIP 0.01 DM
L301	87-A50-625-010		COIL, TRAP 85K (SANWA)	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

FRONT C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
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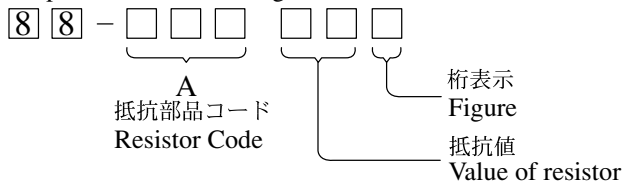
DECK C.B

CN1	87-099-753-010		CONN,11P H 9604
SFR1	87-024-581-010		SFR, 3.3K DIA6V K0A
SOL1	82-ZM1-618-410		SOL ASSY,27
SOL2	82-ZM1-618-410		SOL ASSY,27
SW1	87-A90-673-010		SW,MICRO ESE11SH1C
SW2	87-A91-500-010		SW,MICRO MPU11470MLB0
SW3	87-A91-500-010		SW,MICRO MPU11470MLB0
SW4	87-A91-500-010		SW,MICRO MPU11470MLB0
SW5	87-A90-673-010		SW,MICRO ESE11SH1C

○チップ抵抗部品コード/CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding



チップ抵抗
Chip resistor

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

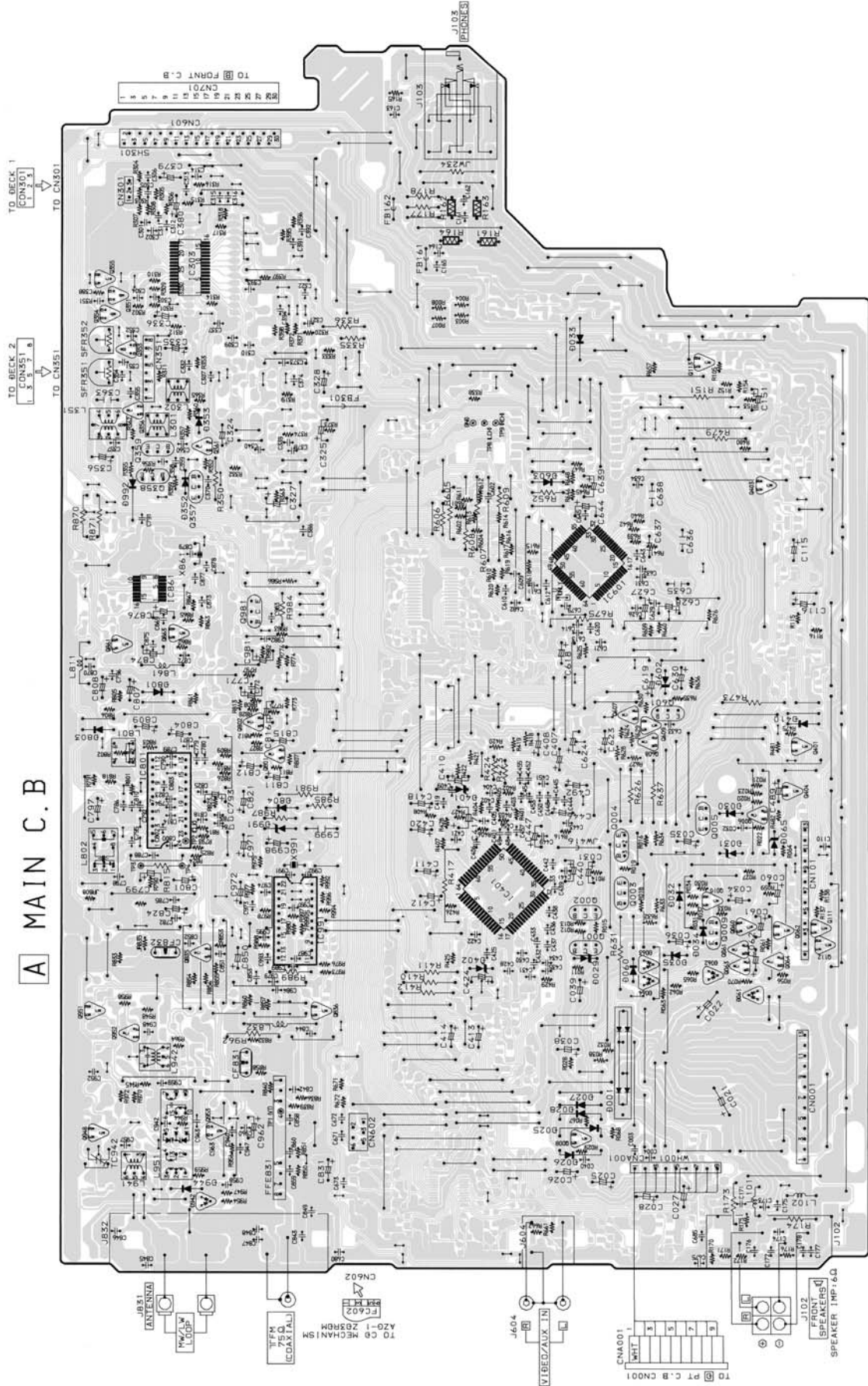
TRANSISTOR ILLUSTRATION



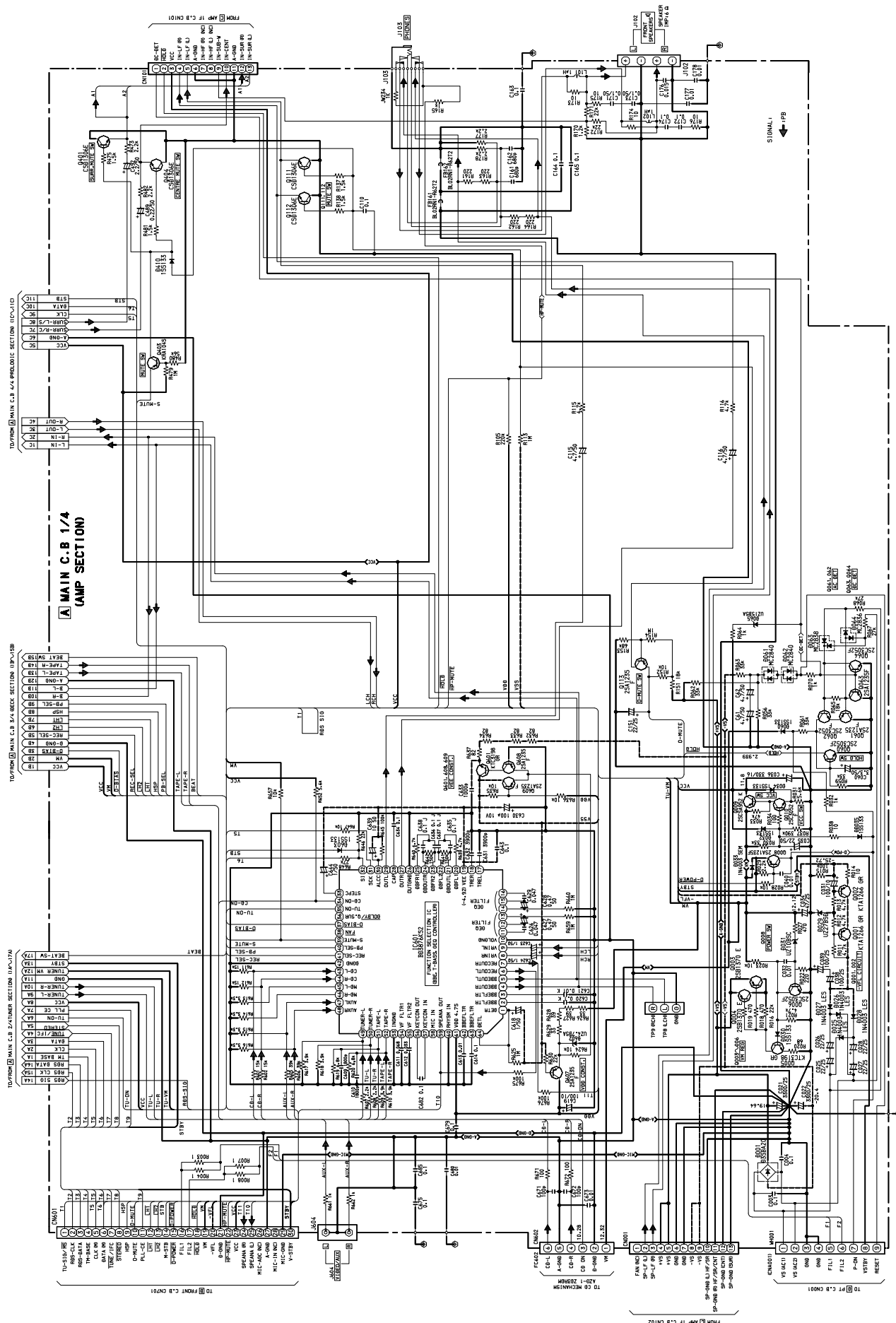
E C B

2SA1981Y

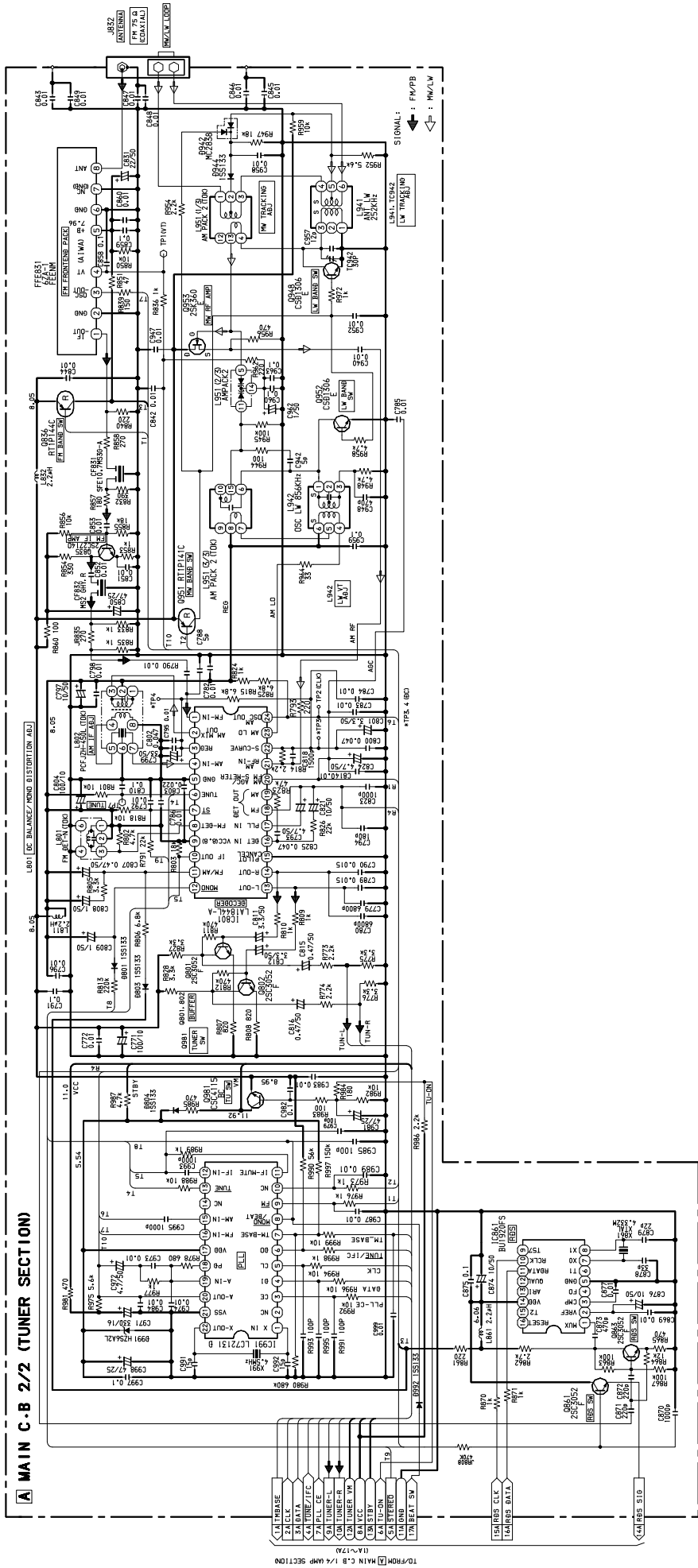
A MAIN C.B



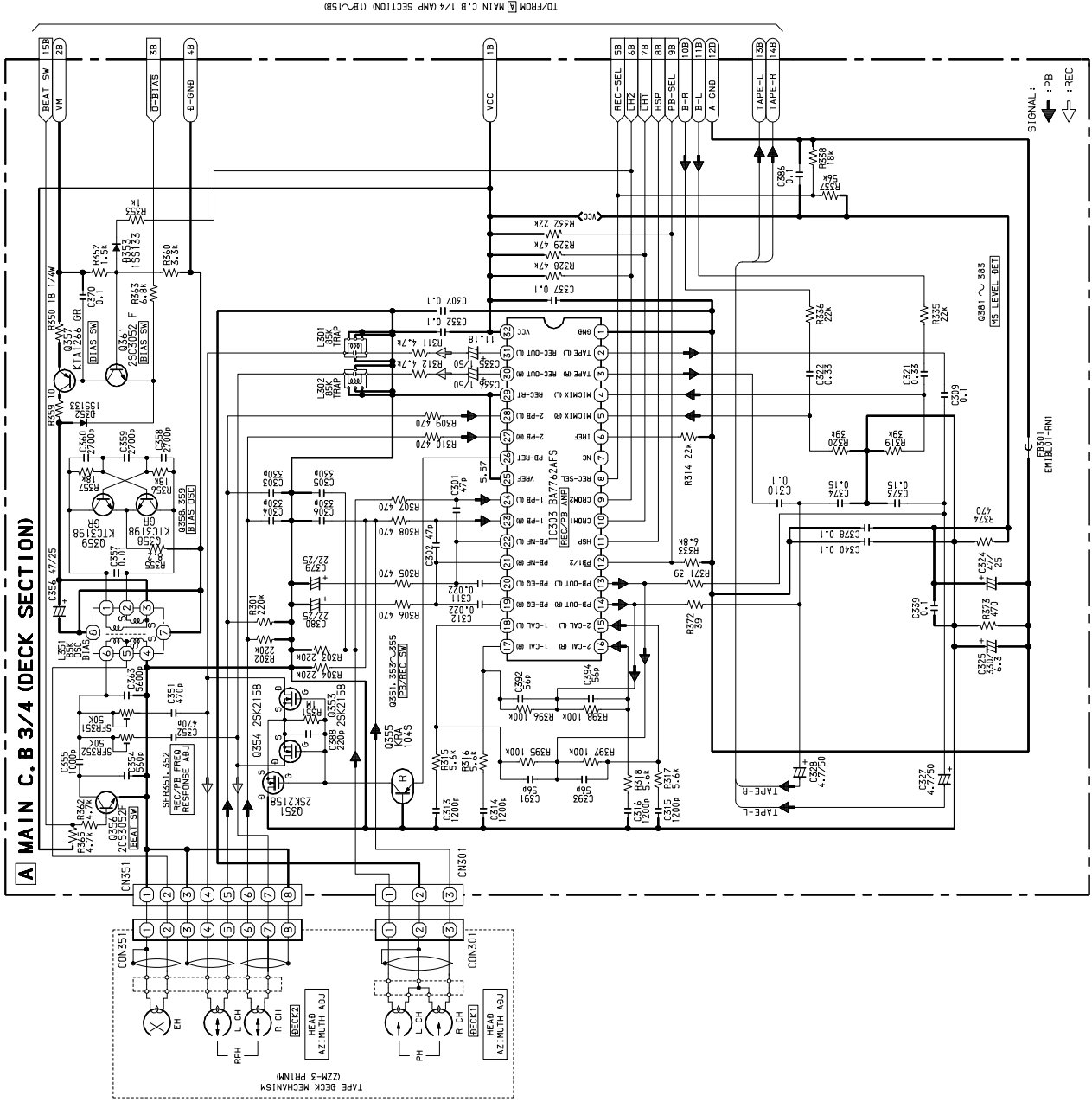
SCHEMATIC DIAGRAM - 1 (MAIN 1/4: AMP)

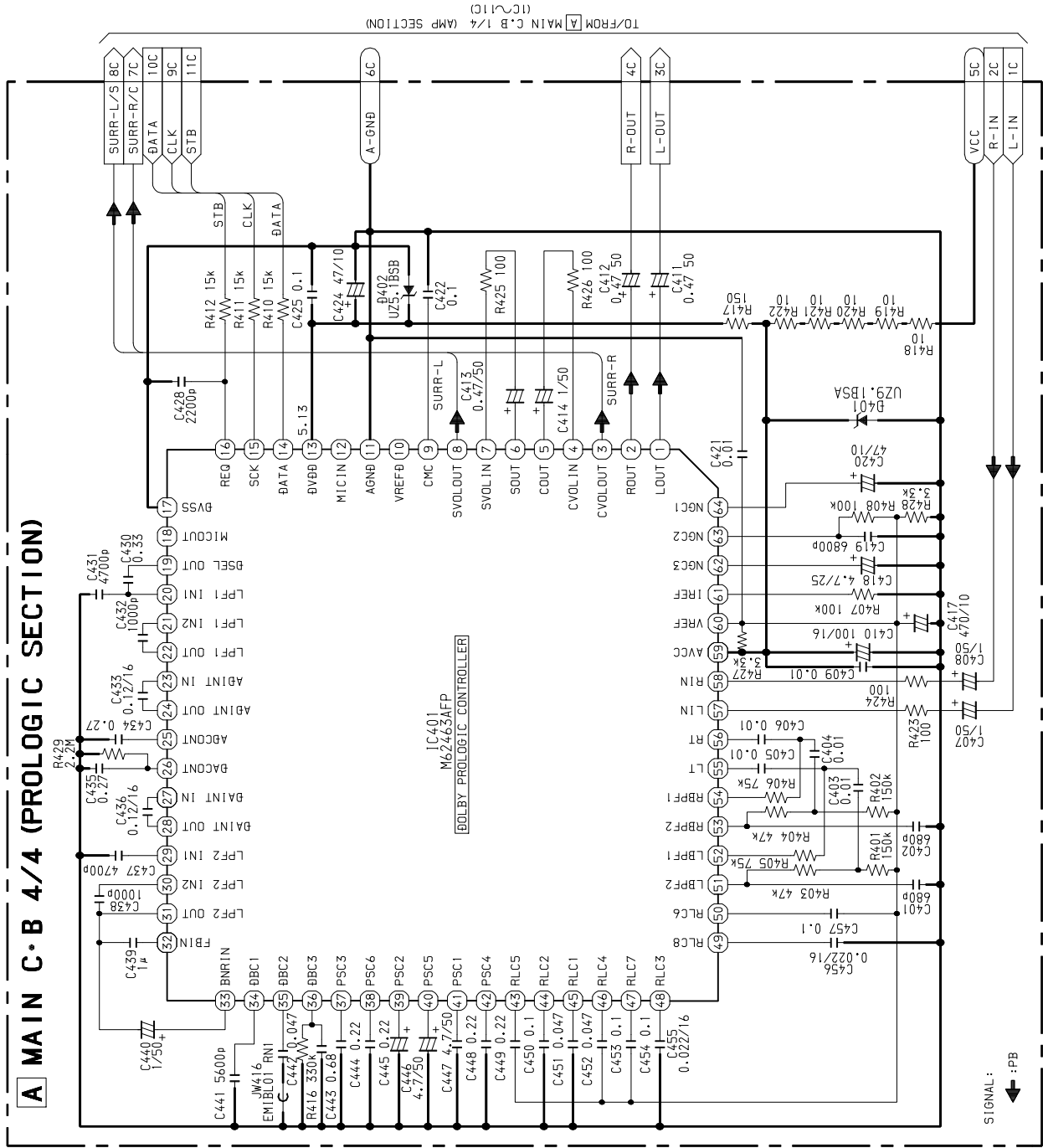


SCHEMATIC DIAGRAM - 2 (MAIN 2/4: TUNER)



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

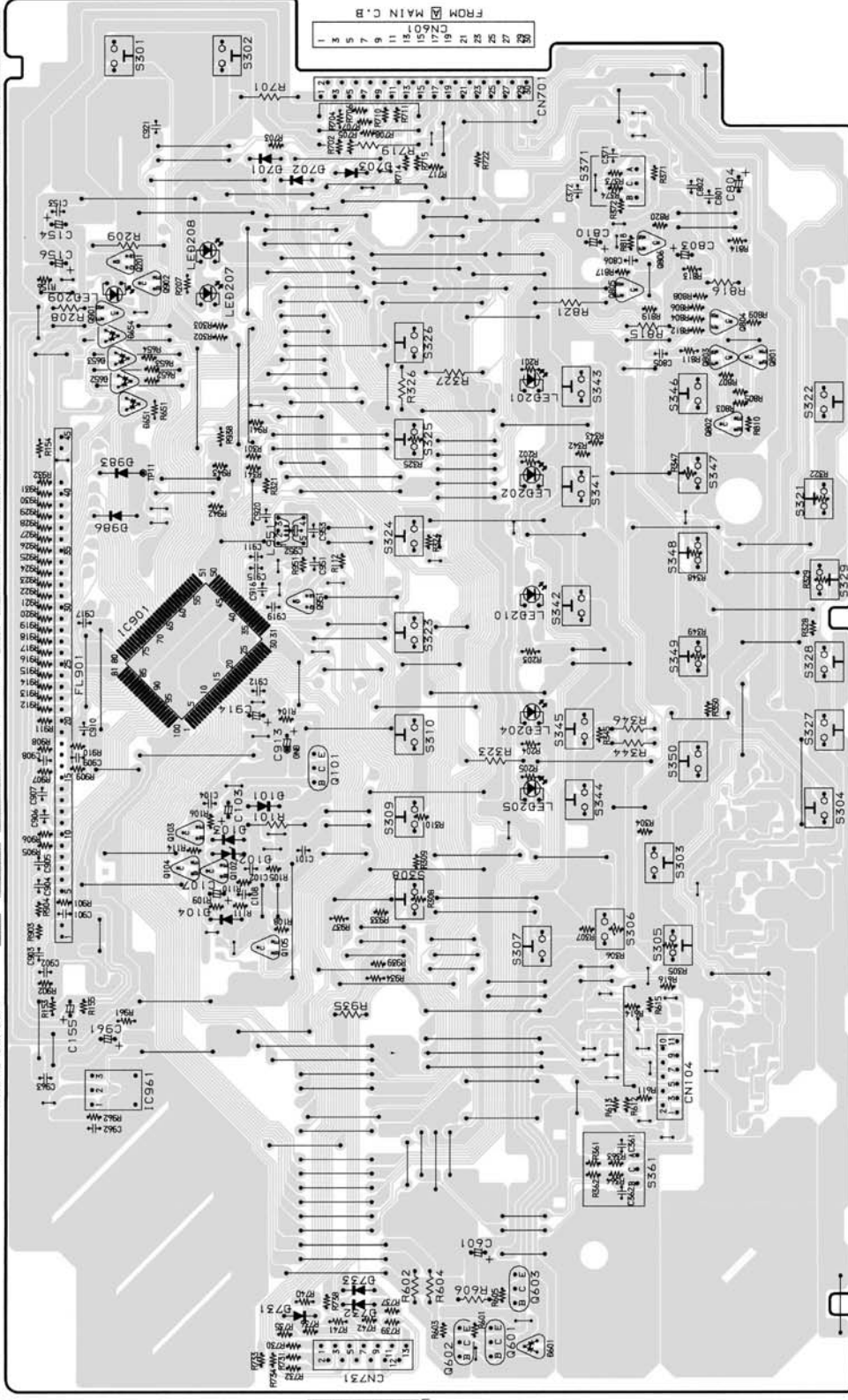




A B C D E F G H I J K L M N O P Q R S T U

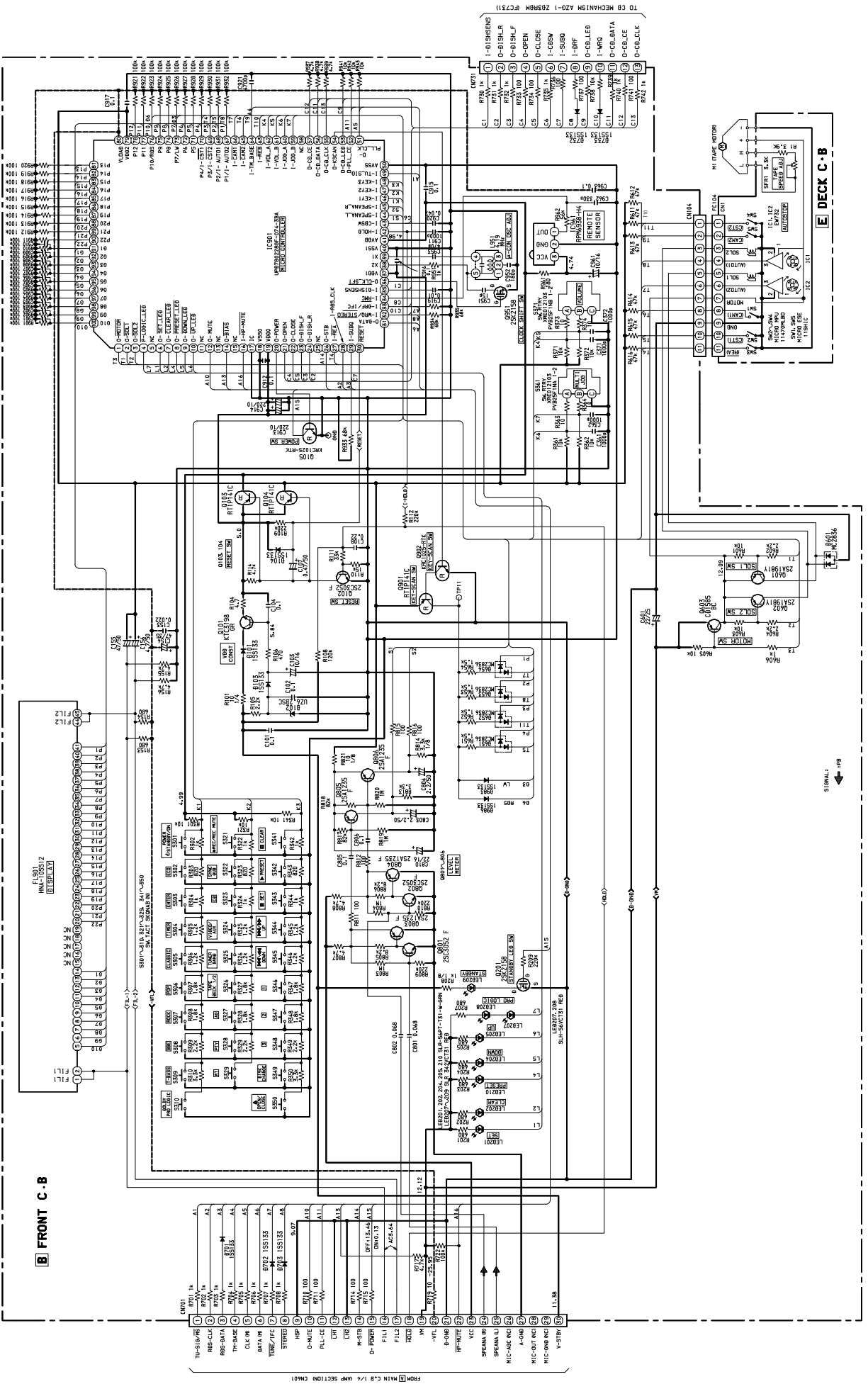
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

B FRONT C.B



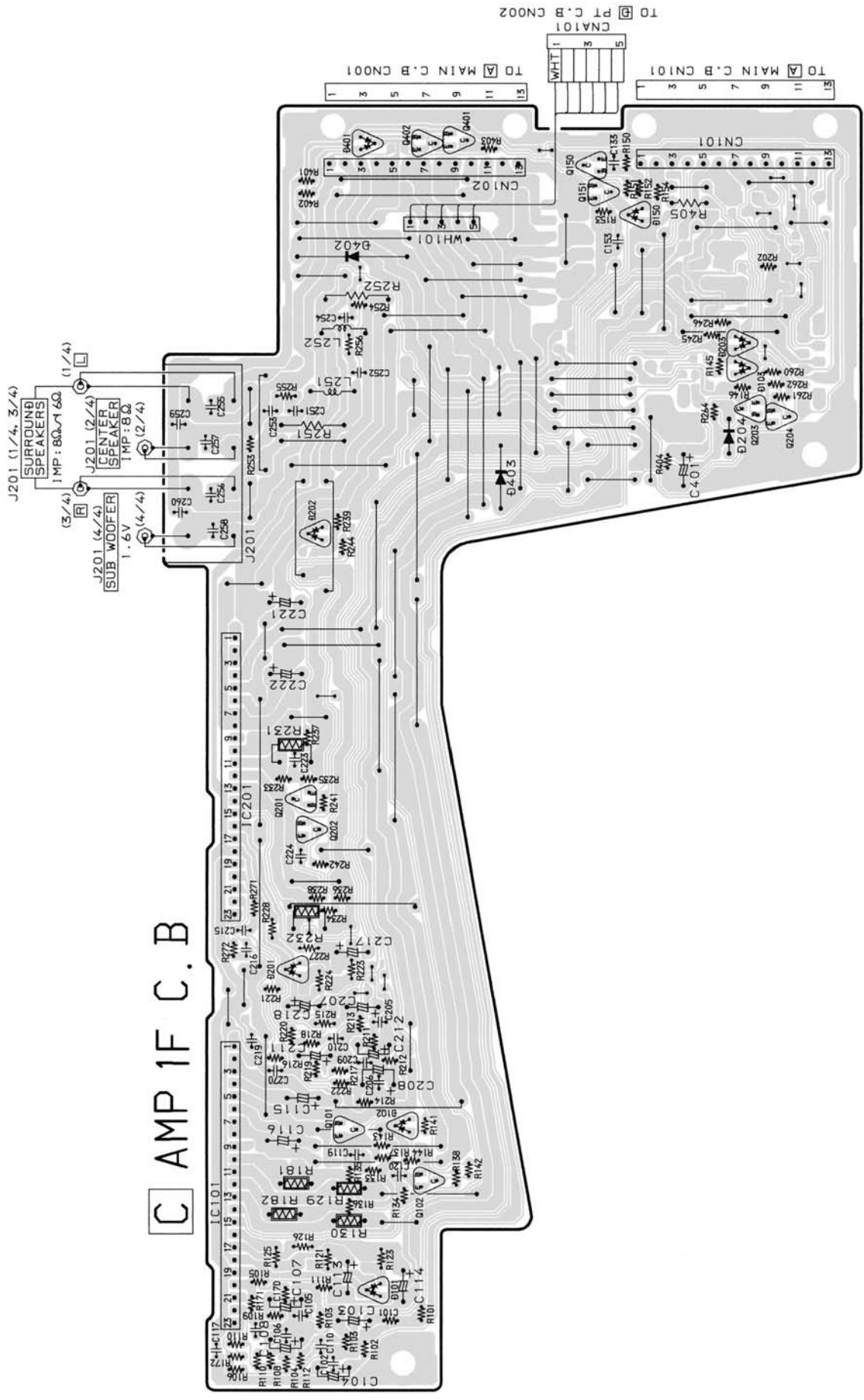
- TO CN104 FC104
- TO BECK C.B. CNI
- S361 MULTI JOG
- S306 GRAPHIC EQUALIZER
- S307 ROCK
- S304 CLASSIC
- S305 POP
- S303 ENTER
- S304 TIMER
- S305 OPEN/CLOSE
- S306 BISC CHANGE
- S307 AG
- S308 BASS
- S309 PRO LOGIC
- S310 BOLDY
- S324 V DEQ/AUX
- S325 TUNER BAND
- S326 TAPE BECK
- S327 UP
- S328 DOWN
- S329 [RT]
- S330 TUNING
- S331 PRESET
- S332 CLEAR
- S333 SET
- S334 BISC DIRECT PLAY
- S335 REC/REC MUTE
- S336 SYNC DUB
- S337 VOLUME
- S338 LED201
- S339 LED202
- S340 LED203
- S341 LED204
- S342 LED205
- S343 LED206
- S344 LED207
- S345 LED208
- S346 LED209
- S347 LED210

SCHEMATIC DIAGRAM - 5 (FRONT)

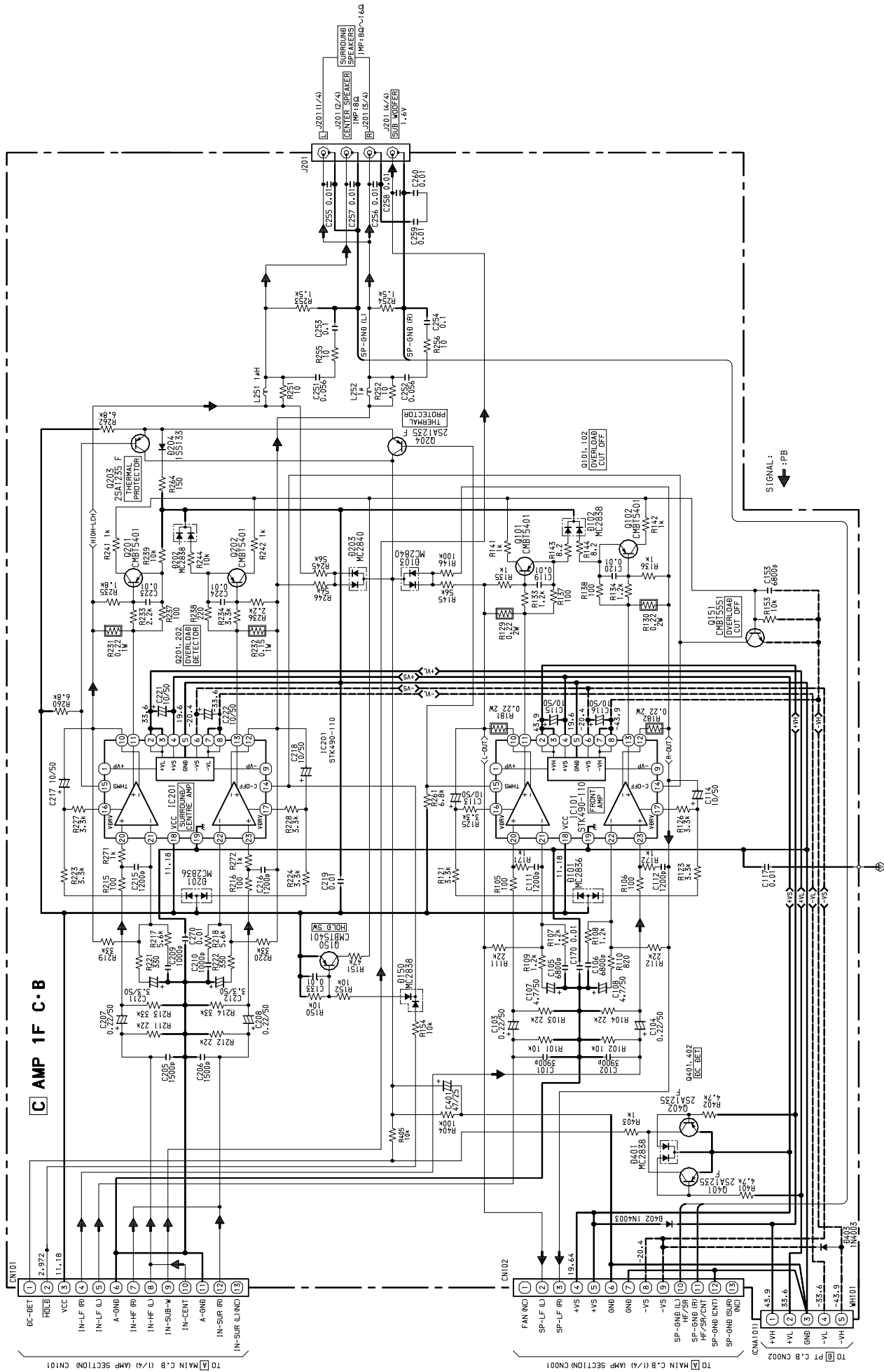


A B C D E F G H I J K L M N O P Q R S T U

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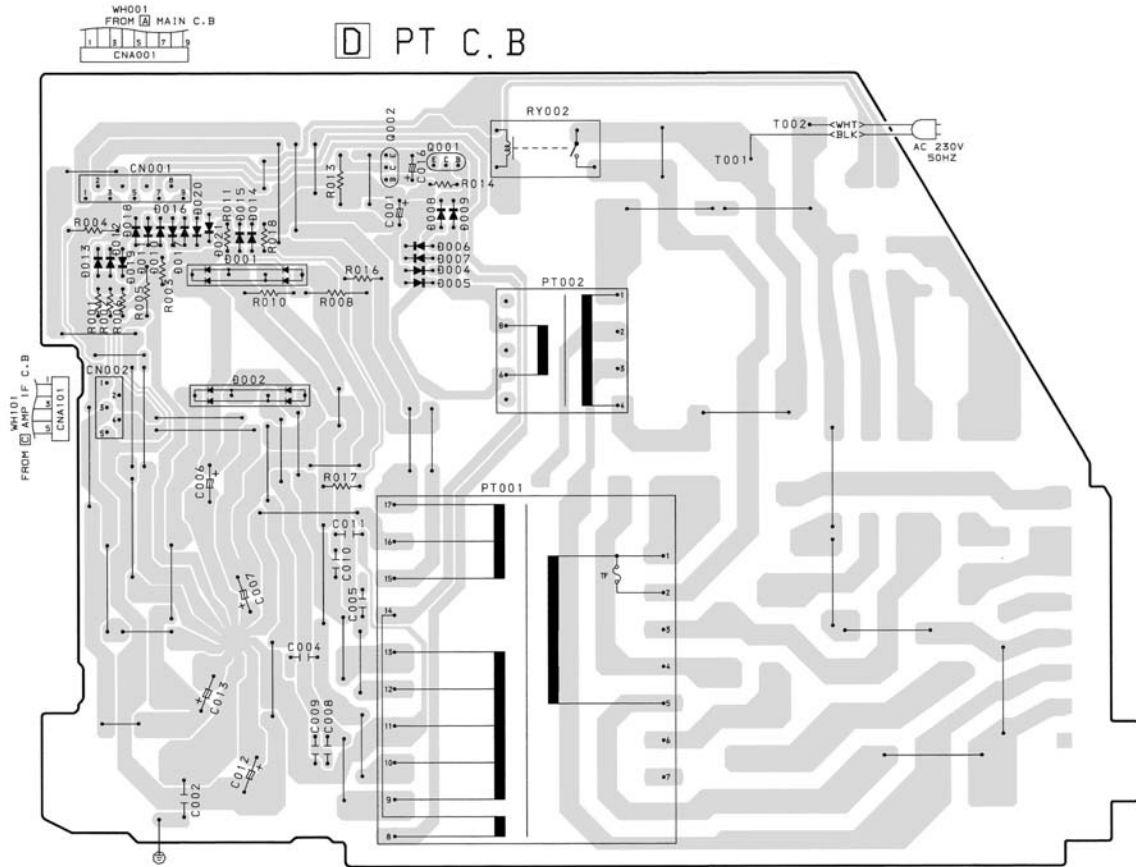
SCHEMATIC DIAGRAM - 6 (AMP 1F)



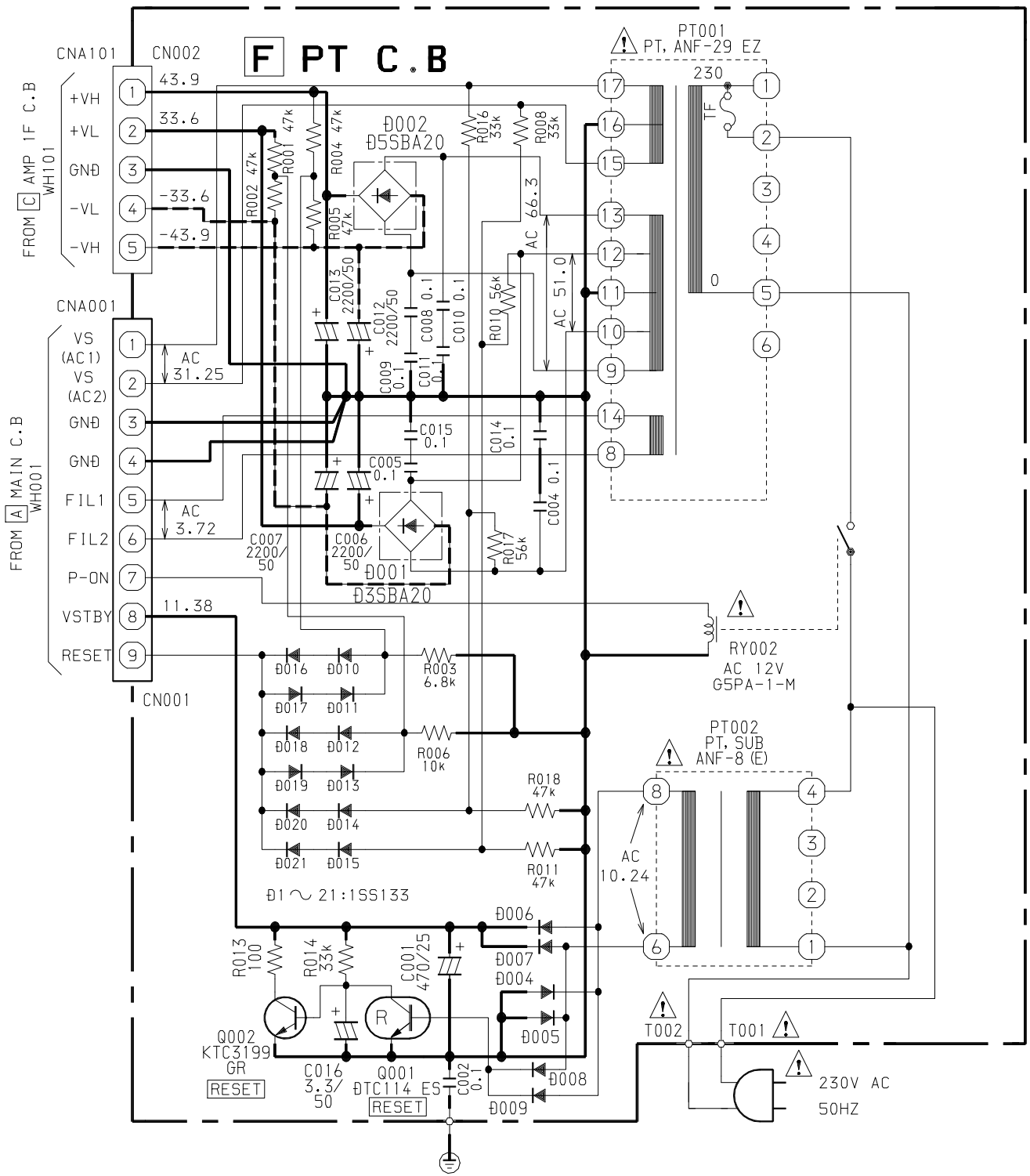
WIRING – 4 (PT)

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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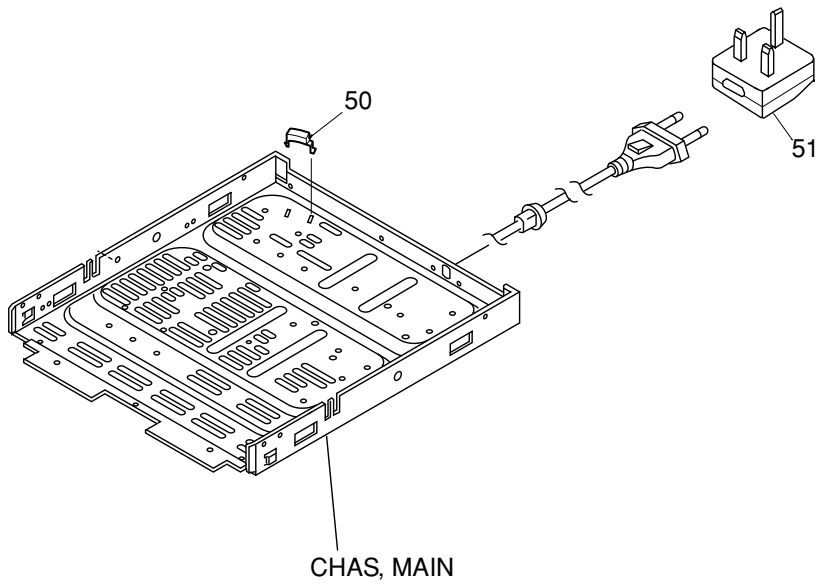
A
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SCHEMATIC DIAGRAM - 7 (PT)



MECHANICAL EXPLODED VIEW 1 / 1



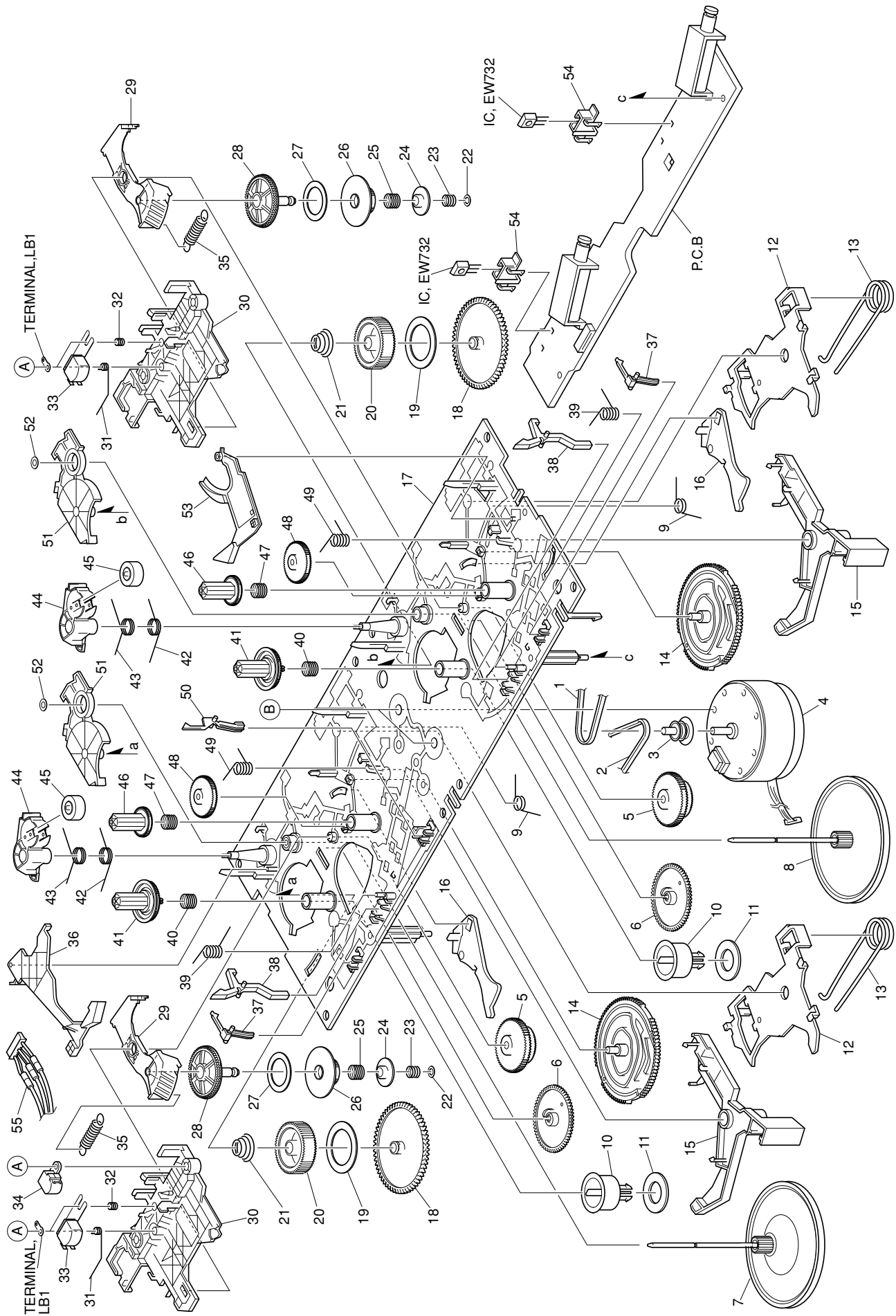
MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
15	8A-NFW-005-010		WINDOW, DISP K15
44	8A-NFW-018-010		PANEL, REAR KSM 15
50	87-NF4-221-010		HLDR, CABLE
△ 51	87-099-811-010		PLUG, ADPTR CONV, K

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink

TAPE MECHANISM EXPLODED VIEW 1 / 1



TAPE MECHANISM PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-ZM3-227-010		BELT, MAIN M3	31	8Z-ZM3-233-010		SPR-T, BRG M3
2	8Z-ZM3-235-010		BELT, MAIN L	32	84-ZM2-227-310		SPR-C, AZIMUTH
3	8Z-ZM1-235-010		PULLEY, MOT	33	87-A90-403-110		HEAD, RPH MS15R
4	87-045-347-010		MOT, SHU2L 70	34	87-A90-404-010		HEAD, EH LE15B
5	8Z-ZM1-232-010		GEAR, IDL FF/REW	35	8Z-ZM3-239-010		SPR-E, FR
6	8Z-ZM3-244-010		GEAR, CAM TD20	36	8Z-ZM3-211-010		LEVER, EJECT R
7	8Z-ZM3-256-010		FLY-WHL ASSY, M3 R	37	8Z-ZM3-225-010		LEVER, STOP
8	8Z-ZM3-255-010		FLY-WHL ASSY, M3 L	38	8Z-ZM3-221-010		LEVER, CAS
9	8Z-ZM3-231-010		SPR-T, TRIG	39	8Z-ZM3-234-010		SPR-T, LVR CAS
10	8Z-ZM3-213-010		CLR, MG	40	8Z-ZM3-223-010		SPR-C, REEL R M3
11	82-ZM3-616-010		RING MAGNET 4	41	8Z-ZM1-225-110		GEAR, REEL R
12	8Z-ZM3-243-010		LEVER ASSY, HD UP	42	8Z-ZM3-240-010		SPR-T, T-UP M3
13	8Z-ZM3-238-010		SPR-T, HD UP	43	8Z-ZM3-237-010		SPR-T, PINCH M3
14	8Z-ZM3-219-010		GEAR, CAM M3	44	8Z-ZM3-215-010		LEVER, PINCH M3
15	8Z-ZM3-206-010		LEVER, TRIG	45	8Z-ZM1-261-110		ROLLER ASSY, PINCH
16	8Z-ZM3-209-010		LEVER, CAM FR	46	8Z-ZM1-226-010		GEAR, REEL L
17	8Z-ZM3-203-010		CHAS ASSY, M3	47	8Z-ZM3-222-010		SPR-C, REEL L M3
18	8Z-ZM1-228-010		GEAR, SLIP T-UP B	48	8Z-ZM3-251-010		GEAR, IDL REW M3
19	8Z-ZM1-265-010		FELT, T-UP	49	8Z-ZM3-236-010		SPR-T, PLAY M3
20	8Z-ZM1-227-010		GEAR, SLIP T-UP A	50	8Z-ZM1-240-110		LVR, REC(*)
21	8Z-ZM1-251-110		SPR-C, T-UP SLIP	51	8Z-ZM3-216-010		LEVER, T-UP M3
22	8Z-ZM1-275-010		W-L, 1, 47-4-0.25	52	87-B10-301-010		W-L, 1.63-3.2-05 SLIT
23	8Z-ZM1-257-010		SPR-C, F/R	53	8Z-ZM3-212-010		LEVER, EJECT L
24	8Z-ZM1-236-010		CLR, SLIP FF/REW	54	8Z-ZM3-214-010		HLDR, IC
25	8Z-ZM3-226-010		SPR-C, FR M3	55	86-ZM3-605-110		CONN ASSY, 8P -RPB
26	8Z-ZM3-250-010		GEAR, SLIP F/R A M3	A	84-ZM2-242-010		S-SCREW, AZ1-2-6.4
27	8Z-ZM1-269-010		FELT, FF/REW 2	B	8Z-ZM2-220-110		V+2.6 ZZM-2
28	8Z-ZM1-238-110		GEAR, SLIP FF/REW B 2				
29	8Z-ZM3-220-010		LEVER, FR M3				
30	8Z-ZM3-205-010		LEVER, PLAY M3				

**SPEAKER PARTS LIST
SX-NSZ20 (YSL,YSC9,YSY1)**

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NSK-001-010		PANEL, FR
2	8A-NSK-003-010		GRILLE, FRAME ASSY
3	8A-NSK-007-010		PROTECTOR, TWA
4	8A-NSK-602-010		SPKR, W 140
5	88-NS5-605-010		SPKR, T 60
6	87-NSH-612-010		SPKR, CERAMIC ASSY
7	87-NS7-611-010		CORD, SPKR

**SPEAKER PARTS LIST
SX-R277 (YSTC)**

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-YS1-601-010		SPKR, 100
2	8Z-YS1-002-010		GRILLE, FRAME ASSY
3	81-VSA-009-010		CORD, BUSH
4	87-010-384-010		CAP, E 100-25 M SME
5	87-YS6-002-010		SPKR, CORD Y

**SPEAKER PARTS LIST
SX-C607 (YSTC)**

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS7-012-010		PANEL, FR S
2	87-YS7-602-010		SPKR, 100
3	87-YS3-003-010		GRILLE, FRAME ASSY
4	81-VSA-009-010		CORD, BUSH
5	83-NSM-010-010		SPKR, CORD

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NFW-914-010		IB, K(E)M -DP15



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