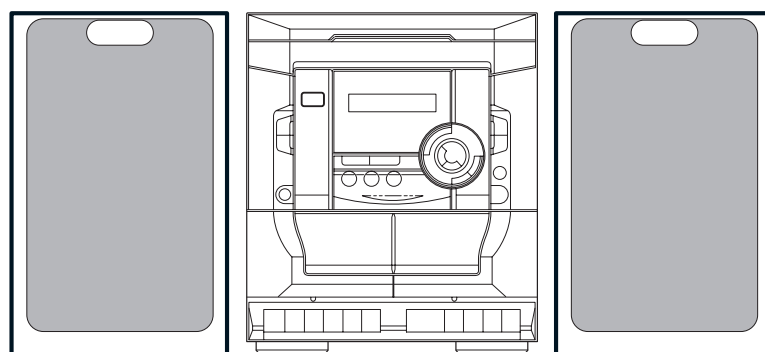




SERVICE MANUAL

COMPACT DISC
STEREO SYSTEM

BASIC TAPE MECHANISM : ZZM-2 PR1NC
BASIC CD MECHANISM : BZG-2 ZD4NC

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-SZ100	CX-NSZ100	SX-NSZ102	RC-AAS11

- This Service Manual contains information about the difference between NSX-SZ100(LH) and NSX-SZ100(EZ). If requiring other information, see Service Manual of NSX-SZ100(EZ), (S/M Code No. 09-00C-441-4R1).
- If requiring information about the CD mechanism, see Service Manual of BZG-2, (S/M Code No. 09-00C-353-2N2)

SPECIFICATIONS

<FM tuner section>

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

<AM 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

<Amplifier section>

Power output	Rated: 8 W + 8 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference: 10 W + 10 W (6 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.1 % (4 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 500 mV
Output	SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 8000 Hz
Recording system	AC bias
Heads	Deck 1: recording/playback x 1, erase x 1 Deck 2: playback 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)

<Speaker system SX-NSZ102>

Speaker system	1 way, bass reflex (magnetic shielded)
Speaker units	Full range: 100 mm cone
Impedance	6 ohms
Dimensions (W x H x D)	196 x 301 x 188 mm
Weight	1.5 kg

<General>

Power requirements	120 V / 220 – 230 V / 240 V AC (switchable), 50 Hz / 60 Hz
Power consumption	45 W
Dimensions (W x H x D)	260 x 301 x 292 mm
Weight	4.3 kg

- Design and specifications are subject to change without notice.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C113	87-012-195-080		C-CAP, U 100P-50CH
	87-A21-893-040		C-IC, NJM14558V-TE2	C114	87-012-199-080		C-CAP, U 220P-50CH
	87-A21-419-040		C-IC, NJM14558MD-TE2	C117	87-012-286-080		CAP, U 0.01-25
	8B-NFC-602-030		C-IC, UPD780226GF-023-3BA	C118	87-012-286-080		CAP, U 0.01-25
	87-A21-218-010		IC, NJL64H380A	C119	87-012-286-080		CAP, U 0.01-25
	87-A21-443-040		C-IC, M62495AFP	C120	87-012-286-080		CAP, U 0.01-25
	87-A21-695-010		IC, LA1845L	C123	87-012-280-080		CAP, CHIP 3300P
	87-A21-928-010		IC, LC72131D-N	C124	87-012-280-080		CAP, CHIP 3300P
TRANSISTOR				C125	87-010-759-080		C-CAP, U, 0.1-25F
	87-A30-494-080		TR, 2SA1980G	C126	87-010-759-080		C-CAP, U, 0.1-25F
	87-A30-476-010		TR, KTA1046Y	C127	87-010-759-080		C-CAP, U, 0.1-25F
	87-026-610-080		TR, KTC3198GR	C128	87-010-759-080		C-CAP, U, 0.1-25F
	87-A30-076-080		C-TR, 2SC3052F	C140	86-ZA1-616-080		C-CAP, U 0.01-50 K B (MUR)
	87-A30-075-080		C-TR, 2SA1235F	C401	87-010-759-080		C-CAP, U, 0.1-25F
	87-A30-256-010		TR, 2SD1933	C402	87-010-759-080		C-CAP, U, 0.1-25F
	87-A30-255-010		TR, 2SB1342	C403	87-012-193-080		C-CAP, U 82P-50 CH
	87-A30-234-080		TR, CSC4115BC	C404	87-012-193-080		C-CAP, U 82P-50 CH
	87-A30-091-080		FET, 2SJ460	C405	87-012-286-080		CAP, U 0.01-25
	87-A30-090-080		FET, 2SK2541	C406	87-012-286-080		CAP, U 0.01-25
	87-A30-062-080		C-TR, KRC104S	C407	87-012-286-080		CAP, U 0.01-25
	87-A30-495-080		TR, 2SA1981Y	C408	87-012-286-080		CAP, U 0.01-25
	89-327-143-080		C-TR, 2SC2714 (0.1W)	C409	87-012-278-080		C-CAP, U 2200P-50 B
	87-A30-489-080		C-TR, KRA107S	C410	87-012-278-080		C-CAP, U 2200P-50 B
	89-503-602-080		C-FET, 2SK360E	C411	87-010-405-080		CAP, E 10-50 SME
	87-A30-615-080		TR, STC250	C412	87-010-405-080		CAP, E 10-50 SME
DIODE				C413	87-012-286-080		CAP, U 0.01-25
	87-A40-455-090		DIODE, RL203 GW	C421	87-012-275-080		C-CAP, U 1200P-50 B
	87-A40-553-080		DIODE, 1N4003 LES	C422	87-012-275-080		C-CAP, U 1200P-50 B
	87-A40-777-080		ZENER, UZ30BSB	C423	87-012-274-080		CHIP CAP, U 1000P-50B
	87-A40-764-080		ZENER, UZ10BSC	C424	87-012-274-080		CHIP CAP, U 1000P-50B
	87-A40-269-080		C-DIODE, MC2836	C425	87-010-263-080		CAP, E 100-10 SME
	87-A40-270-080		C-DIODE, MC2838	C426	87-010-263-080		CAP, E 100-10 SME
	87-A40-749-080		ZENER, UZ5.6BSB	C427	87-012-188-080		C-CAP, U 47P-50 CH
	87-A40-739-080		ZENER, UZ2.7BSA	C428	87-012-188-080		C-CAP, U 47P-50 CH
	87-017-149-080		ZENER, HZS6A2L	C429	87-010-956-080		CHIP-CAP, S 0.068-25B
	87-A40-760-080		ZENER, UZ9.1BSA	C430	87-010-956-080		CHIP-CAP, S 0.068-25B
MAIN C.B				C431	87-012-284-080		CAP, U 6800P-50
C9	87-010-759-080		C-CAP, U, 0.1-25F	C432	87-012-284-080		CAP, U 6800P-50
C10	87-010-759-080		C-CAP, U, 0.1-25F	C433	87-010-546-080		CAP, E 0.33-50 SME
C11	87-010-759-080		C-CAP, U, 0.1-25F	C434	87-010-546-080		CAP, E 0.33-50 SME
C12	87-010-759-080		C-CAP, U, 0.1-25F	C435	87-010-263-080		CAP, E 100-10 SMG
C22	87-010-388-080		CAP, E 1000-25 M SME	C441	87-010-759-080		C-CAP, U, 0.1-25F
C25	87-010-408-080		CAP, E 47-50 SME	C442	87-010-759-080		C-CAP, U, 0.1-25F
C26	87-010-408-080		CAP, E 47-50 SME	C443	87-010-759-080		C-CAP, U, 0.1-25F
C31	87-010-759-080		C-CAP, U, 0.1-25F	C445	87-A10-039-080		C-CAP, U 470P-50 J CH
C32	87-012-286-080		CAP, U 0.01-25	C452	87-010-382-080		CAP, E 22-25 SME
C34	87-010-260-080		CAP, E 47-25 SME	C453	87-012-279-080		C-CAP, U 2700P-50 B
C35	87-010-406-080		CAP, E 22-50 SME	C454	87-012-279-080		C-CAP, U 2700P-50 B
C36	87-010-112-080		CAP, E 100-16 SME	C455	87-012-279-080		C-CAP, U 2700P-50 B
C50	87-010-247-080		CAP, E 100-50 SME	C456	87-012-286-080		CAP, U 0.01-25
C51	87-010-247-080		CAP, E 100-50 SME	C457	87-A12-361-080		CAP, M 5600P-100 J CP
C60	87-010-403-080		CAP, E 3.3-50 SME	C460	87-010-759-080		C-CAP, U, 0.1-25F
C61	87-010-260-080		CAP, E 47-25 SME	C461	87-012-158-080		C-CAP, S 390P-50 CH
C101	87-012-284-080		CAP, U 6800P-50	C462	87-012-158-080		C-CAP, S 390P-50 CH
C102	87-012-284-080		CAP, U 6800P-50	C470	87-A10-039-080		C-CAP, U 470P-50 J CH
C103	87-010-544-080		CAP, E 0.1-50 SME	C605	87-012-275-080		C-CAP, U 1200P-50 B
C104	87-010-544-080		CAP, E 0.1-50 SME	C606	87-012-275-080		C-CAP, U 1200P-50 B
C105	87-012-282-080		CAP, U 4700P-50	C609	87-010-785-080		C-CAP, U 0.015-25BK
C106	87-012-282-080		CAP, U 4700P-50	C610	87-010-785-080		C-CAP, U 0.015-25BK
C107	87-010-403-080		CAP, E 3.3-50 SME	C611	87-010-545-080		CAP, E 0.22-50 SME
C108	87-010-403-080		CAP, E 3.3-50 SME	C612	87-010-545-080		CAP, E 0.22-50 SME
C111	87-010-406-080		CAP, E 22-50 SME	C613	87-010-545-080		CAP, E 0.22-50 SME
C112	87-010-406-080		CAP, E 22-50 SME	C614	87-010-545-080		CAP, E 0.22-50 SME
				C615	87-012-172-080		CAPACITOR CHIP U 10P CH
				C616	87-010-248-080		CAP, E 220-10 SME
				C617	87-010-221-080		CAP, E 470-10 SME
				C618	87-010-405-080		CAP, E 10-50 SME
				C630	87-A10-260-080		C-CAP, U 0.1-16 K B
				C669	87-012-195-080		C-CAP, U 100P-50CH
				C670	87-012-195-080		C-CAP, U 100P-50CH

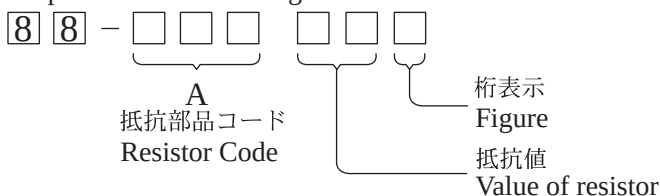
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C771	87-010-263-080		CAP,E 100-10 SME	C984	87-012-286-080		CAP, U 0.01-25
C772	87-012-286-080		CAP, U 0.01-25	C987	87-012-286-080		CAP, U 0.01-25
C782	87-012-286-080		CAP, U 0.01-25	C990	87-012-195-080		C-CAP,U 100P-50CH
C783	87-012-286-080		CAP, U 0.01-25	C991	87-012-176-080		CAP 15P
C784	87-012-286-080		CAP, U 0.01-25	C992	87-012-176-080		CAP 15P
C785	87-012-286-080		CAP, U 0.01-25	C993	87-012-274-080		CHIP CAP,U 1000P-50B
C786	87-012-286-080		CAP, U 0.01-25	C994	87-012-195-080		C-CAP,U 100P-50CH
C788	87-012-167-080		C-CAP,U 5P-50 CH	C995	87-012-274-080		CHIP CAP,U 1000P-50B
C789	87-A12-052-080		C-CAP,S 0.033-25 J B CM	C996	87-012-195-080		C-CAP,U 100P-50CH
C790	87-A12-052-080		C-CAP,S 0.033-25 J B CM	C997	87-010-759-080		C-CAP,U 0.1-25F
C791	87-010-759-080		C-CAP,U 0.1-25F	C998	87-010-260-080		CAP,E 47-25 SME
C792	87-012-286-080		CAP, U 0.01-25	C999	87-A11-155-080		CAP,TC U 0.01-16 Z F
C793	87-010-404-080		CAP,E 4.7-50 SME	CF831	87-008-261-010		CERAMIC FILTER, SFE10.7 MA5
C795	87-012-286-080		CAP, U 0.01-25	CF832	87-008-261-010		CERAMIC FILTER, SFE10.7 MA5
C796	87-012-286-080		CAP, U 0.01-25	CN351	87-A60-625-010		CONN,8P V 2MM JMT
C797	87-010-405-080		CAP,E 10-50 SME	CN401	87-A60-620-010		CONN,3P V 2MM JMT
C798	87-012-286-080		CAP, U 0.01-25	CN602	87-099-194-010		CONN,6P 6216V
C799	87-010-407-080		CAP,E 33-50 SME	CNA351	8B-NFC-634-010		CONN ASSY,8P RPB
C800	87-010-829-080		CAP, U 0.047-16	CNA401	8B-NFC-633-010		CONN ASSY,3P (PH)
C801	87-010-403-080		CAP,E 3.3-50 SME	D902	87-A40-916-040		C-VARI-CAP HVC202A
C802	87-010-829-080		CAP, U 0.047-16	D903	87-A40-916-040		C-VARI-CAP HVC202A
C803	87-010-787-080		CAP, U 0.022-25	F101	87-A91-207-010		FUSE 315MA 250VT 50T
C804	87-010-263-080		CAP,E 100-10 SME	FC101	87-A90-505-080		FUSE CLAMP,TP00351-51
C807	87-010-400-080		CAP,E 0.47-50 SME	FC102	87-A90-505-080		FUSE CLAMP,TP00351-51
C808	87-A12-087-080		CAP,E 1-50 SME	FC602	88-906-251-110		FF-CABLE,6P 1.25
C809	87-A12-087-080		CAP,E 1-50 SME	J101	87-A61-480-010		JACK,DIA6.3 BLK ST W/SW MSC16A
C810	87-010-759-080		C-CAP,U 0.1-25F	J103	87-A61-452-010		TERMINAL, SP 4P(MSC)
C814	87-012-286-080		CAP, U 0.01-25	J602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
C815	87-A12-086-080		CAP,E 0.47-50 SMG	J831	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02
C816	87-A12-086-080		CAP,E 0.47-50 SMG	JR621	87-010-598-080		C-CAP,S 0.068-16
C821	87-010-405-080		CAP,E 10-50 SME	JR622	87-010-598-080		C-CAP,S 0.068-16
C823	87-010-177-080		C-CAP,S 820P-50	JW001	87-A91-941-080		PROTECTOR,3A 20P 60V
C824	87-010-404-080		CAP,E 4.7-50 SME	JW002	87-A91-941-080		PROTECTOR,3A 20P 60V
C825	87-010-596-080		CAP, S 0.047-16	L101	87-A50-611-010		COIL,1UH K(CS)
C836	87-012-286-080		CAP, U 0.01-25	L102	87-A50-611-010		COIL,1UH K(CS)
C837	87-012-286-080		CAP, U 0.01-25	L451	87-007-342-010		COIL,0SC 85K BIAS
C842	87-012-286-080		CAP, U 0.01-25	L801	87-A50-608-010		COIL,FM DET-N(TOK)
C844	87-012-286-080		CAP, U 0.01-25	L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
C850	87-010-260-080		CAP,E 47-25 SME	L811	87-005-847-080		COIL,2.2UH(CECS)
C851	87-012-286-080		CAP, U 0.01-25	L832	87-005-847-080		COIL,2.2UH(CECS)
C852	87-012-286-080		CAP, U 0.01-25	L906	87-005-847-080		COIL,2.2UH(CECS)
C853	87-012-286-080		CAP, U 0.01-25	L907	8A-NEC-611-010		COIL,FM OSC U 2G
C858	87-010-759-080		C-CAP,U 0.1-25F	L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)
C859	87-010-759-080		C-CAP,U 0.1-25F	PT101	8B-NFC-609-010		PT,BNF-C H
C860	87-012-286-080		CAP, U 0.01-25	R790	87-012-286-080		CAP, U 0.01-25
C902	87-018-145-080		CAP,TC U 6.8P-50	RY101	87-A91-339-010		RELAY,AC DC12V G5PA-2
C908	87-012-174-080		C-CAP, U 12P-50	S001	87-A90-165-010		SW,SL 1-2-3 SWS2301
C909	87-012-349-080		C-CAP, S 1000P-50	T101	87-A60-317-010		TERMINAL, 1P MSC
C911	87-012-170-080		C-CAP, U 8P-50	T102	87-A60-317-010		TERMINAL, 1P MSC
C912	87-012-195-080		C-CAP, U 100P-50	X992	87-A70-306-010		VIB,XTAL 4.500MHZ CSA-309ST
C913	87-012-286-080		C-CAP, U 0.01-25	FRONT C.B			
C914	87-012-286-080		C-CAP, U 0.01-25	C390	87-010-384-040		CAP,E 100-25 SME
C915	87-012-286-080		C-CAP, U 0.01-25	C500	87-010-759-080		C-CAP,U 0.1-25F
C918	87-012-165-080		C-CAP, U 3P-50	C505	87-010-829-080		CAP, U 0.047-16
C920	87-012-180-080		C-CAP, U 22P-50	C506	87-010-263-040		CAP,E 100-10
C921	87-012-186-080		C-CAP, U 39P-50	C507	87-010-246-040		CAP,E 47-35 SME
C922	87-012-174-080		C-CAP, U 12P-50	C508	87-010-192-080		C-CAP,S 0.022-50 F
C923	87-A10-039-080		C-CAP, U 470P-50	C509	87-010-404-040		CAP,E 4.7-50 SME
C924	87-012-174-080		C-CAP, U 12P-50	C510	87-010-404-040		CAP,E 4.7-50 SME
C927	87-012-195-080		C-CAP, U 100P-50	C516	87-010-831-080		C-CAP,U,0.1-16F
C961	87-012-170-080		C-CAP, U 8P-50	C517	87-010-831-080		C-CAP,U,0.1-16F
C962	87-010-401-080		CAP,E 1-50 SME	C518	87-012-274-080		CHIP CAP,U 1000P-50B
C971	87-010-381-080		CAP,E 330-16 SME	C519	87-012-336-080		CAP, CHIP SS 3300 SL
C972	87-010-404-080		CAP,E 4.7-50 SME	C520	87-012-282-080		CAP, U 4700P-50
C973	87-012-286-080		CAP, U 0.01-25	C521	87-010-829-080		CAP, U 0.047-16
C974	87-012-286-080		CAP, U 0.01-25	C522	87-010-221-040		CAP,E 470-10 SME
C979	87-012-195-080		C-CAP,U 100P-50CH	C523	87-010-248-040		CAP,E 220-10 SME
C981	87-010-260-080		CAP,E 47-25 SME	C524	87-010-787-080		CAP, U 0.022-25
C982	87-010-759-080		C-CAP,U 0.1-25F				
C983	87-012-286-080		CAP, U 0.01-25				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C525	87-010-071-040		CAP,E 1-50 M 5L SRE	L501	87-A50-655-010		COIL,CLK 4.19MHZ (TOKO)7KLY
C526	87-010-405-040		CAP,E 10-50	S301	87-A91-024-180		SW, TACT KSH0611BT
C527	87-A10-039-080		C-CAP,U 470P-50 J CH	S302	87-A91-024-180		SW, TACT KSH0611BT
C528	87-010-263-040		CAP,E 100-10	S303	87-A91-024-180		SW, TACT KSH0611BT
C530	87-012-195-080		C-CAP,U 100P-50CH	S304	87-A91-024-180		SW, TACT KSH0611BT
C531	87-012-195-080		C-CAP,U 100P-50CH	S305	87-A91-024-180		SW, TACT KSH0611BT
C532	87-012-195-080		C-CAP,U 100P-50CH	S306	87-A91-024-180		SW, TACT KSH0611BT
C533	87-012-195-080		C-CAP,U 100P-50CH	S307	87-A91-024-180		SW, TACT KSH0611BT
C534	87-012-195-080		C-CAP,U 100P-50CH	S308	87-A91-024-180		SW, TACT KSH0611BT
C535	87-012-195-080		C-CAP,U 100P-50CH	S309	87-A91-024-180		SW, TACT KSH0611BT
C536	87-012-195-080		C-CAP,U 100P-50CH	S310	87-A91-024-180		SW, TACT KSH0611BT
C537	87-012-195-080		C-CAP,U 100P-50CH	S311	87-A91-024-180		SW, TACT KSH0611BT
C538	87-012-195-080		C-CAP,U 100P-50CH	S312	87-A91-024-180		SW, TACT KSH0611BT
C539	87-012-195-080		C-CAP,U 100P-50CH	S313	87-A91-024-180		SW, TACT KSH0611BT
C540	87-010-759-080		C-CAP,U, 0.1-25F	S314	87-A91-024-180		SW, TACT KSH0611BT
C546	87-010-759-080		C-CAP,U, 0.1-25F	S315	87-A91-024-180		SW, TACT KSH0611BT
C555	87-012-172-080		CAP 10P-50	S316	87-A91-024-180		SW, TACT KSH0611BT
C556	87-012-198-080		CAP 180P	SFR391	87-024-431-080		SFR, 3.3K RH063EC
C557	87-010-831-080		C-CAP,U,0.1-16F				
C558	87-010-831-080		C-CAP,U,0.1-16F				
C560	87-012-286-080		CAP, U 0.01-25				
CN501	87-A60-673-010		CONN,9P H 2MM JMT				
CN502	87-099-196-010		CONN,8P 6216 V				
FC502	88-908-201-110		FF-CABLE,8P 1.25				
FL501	8B-NFC-601-010		FL,NHA-10SS18T				

○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



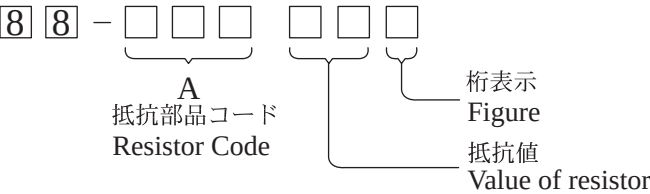
チップ抵抗 Chip resistor

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

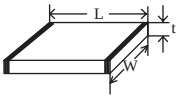
○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

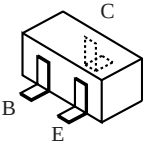
Chip Resistor Part Coding



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
				外形／Form	L	W	t	Resistor Code : A
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



2SA1235F
2SC2714
2SC3052F
KRA107S
KRC104S



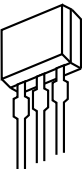
E C B
2SA1980G
2SA1981Y
STC250



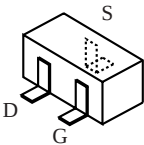
E C B
CSC4115BC
KTC3198GR



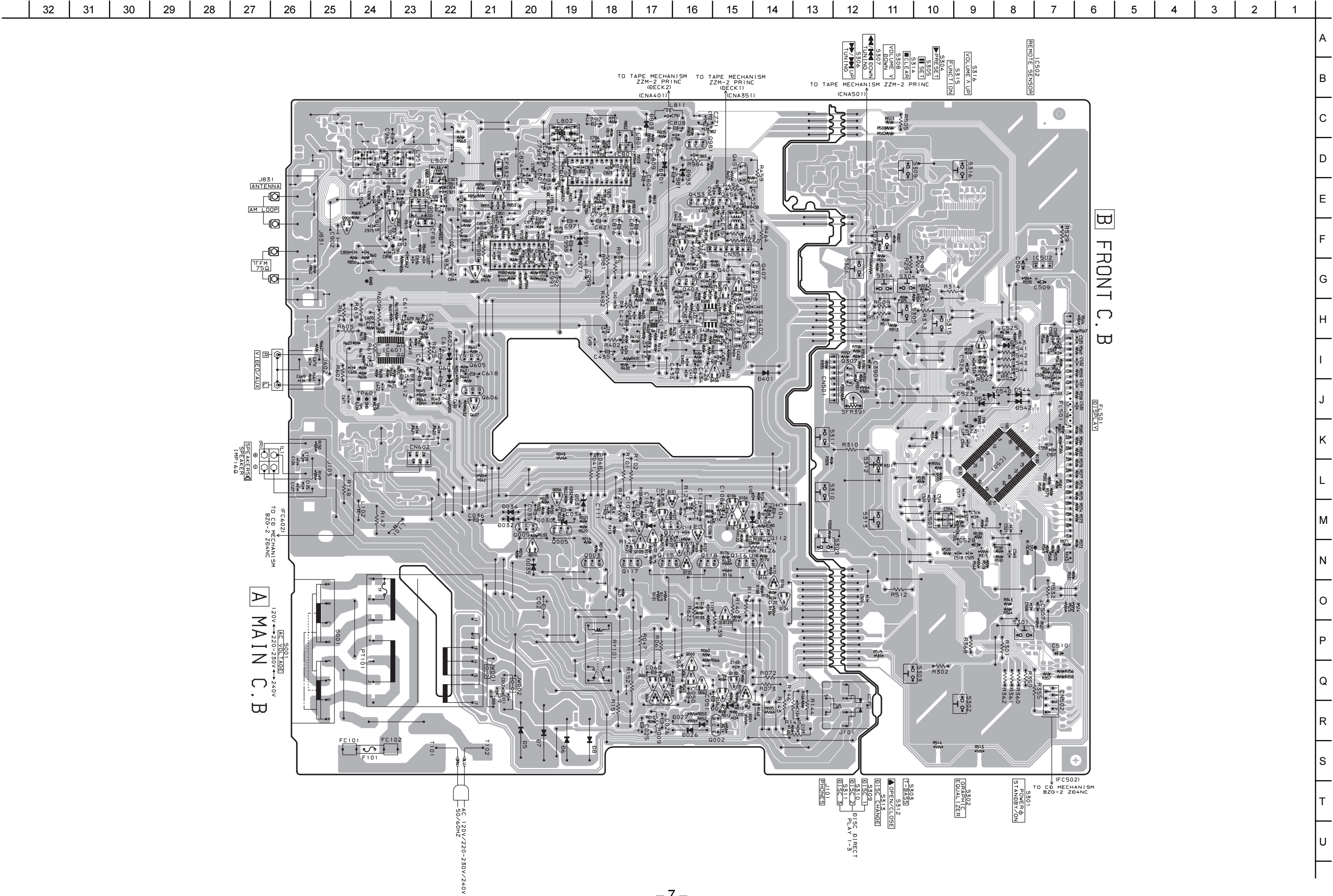
B C E
2SD1933
2SB1342
KTA1046Y



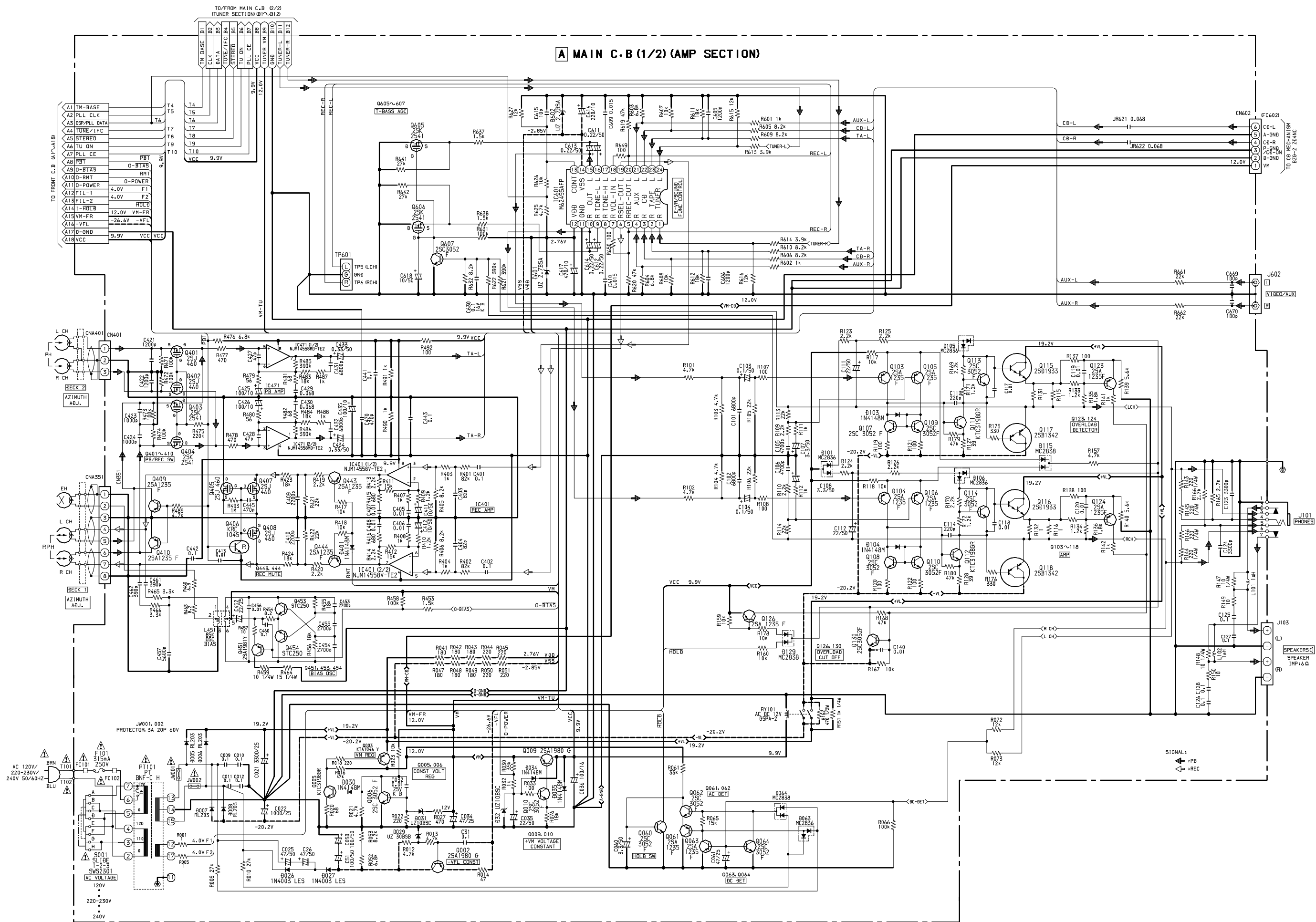
S D G
2SK2541
2SJ460



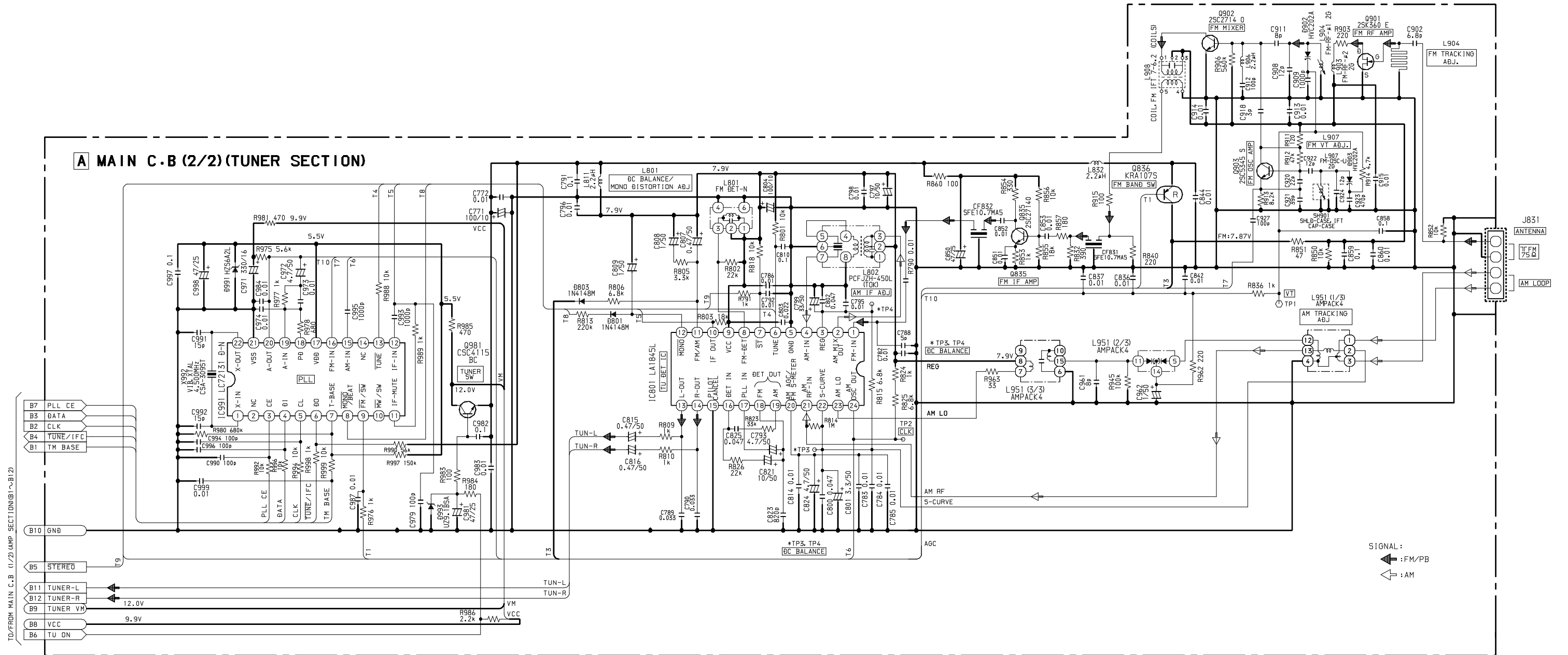
S D G
2SK360E



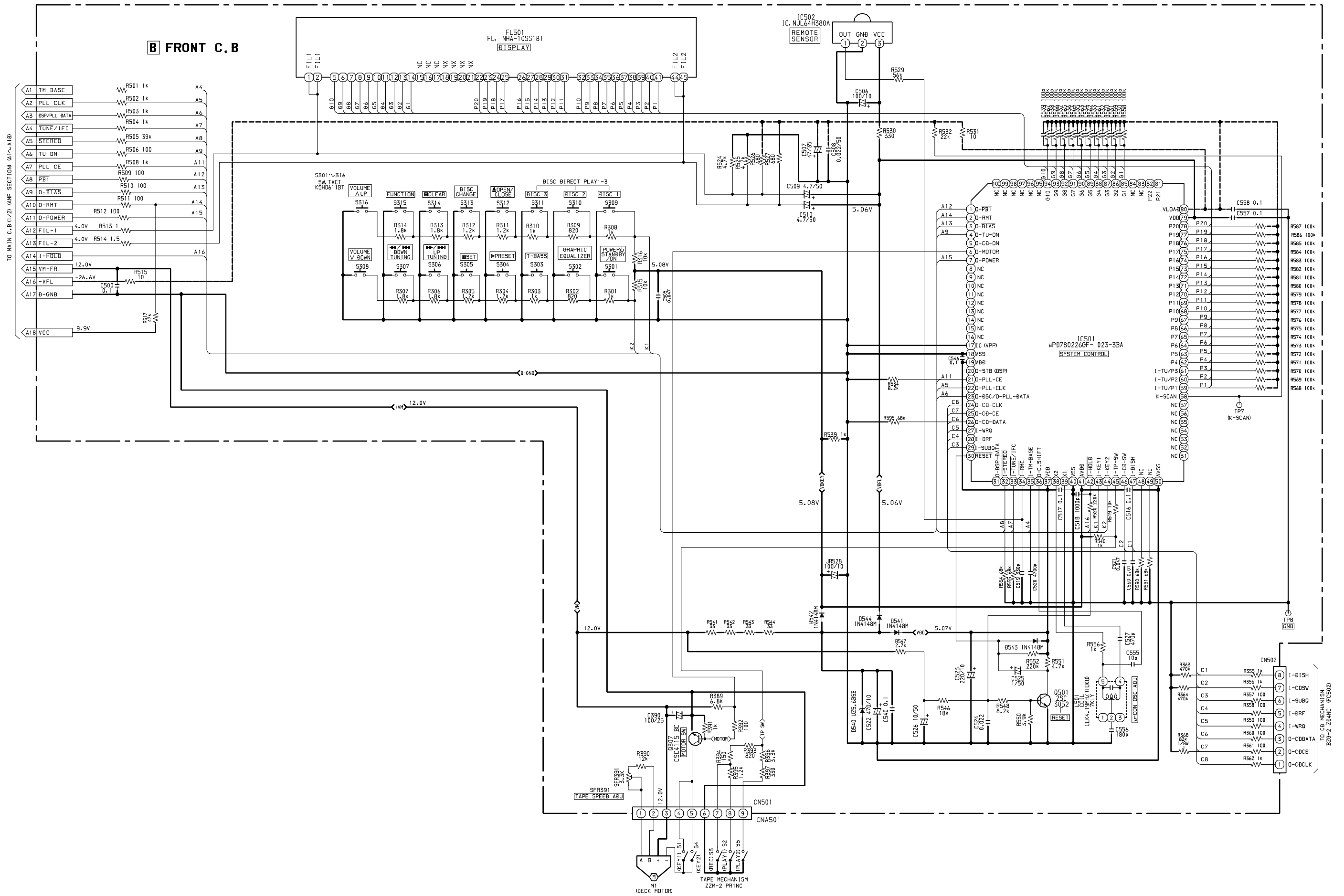
SCHEMATIC DIAGRAM-1 (MAIN 1/2:AMP SECTION)



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



SCHEMATIC DIAGRAM-3 (FRONT)



ADJUSTMENT <TUNER / DECK / FRONT>

< TUNER SECTION >

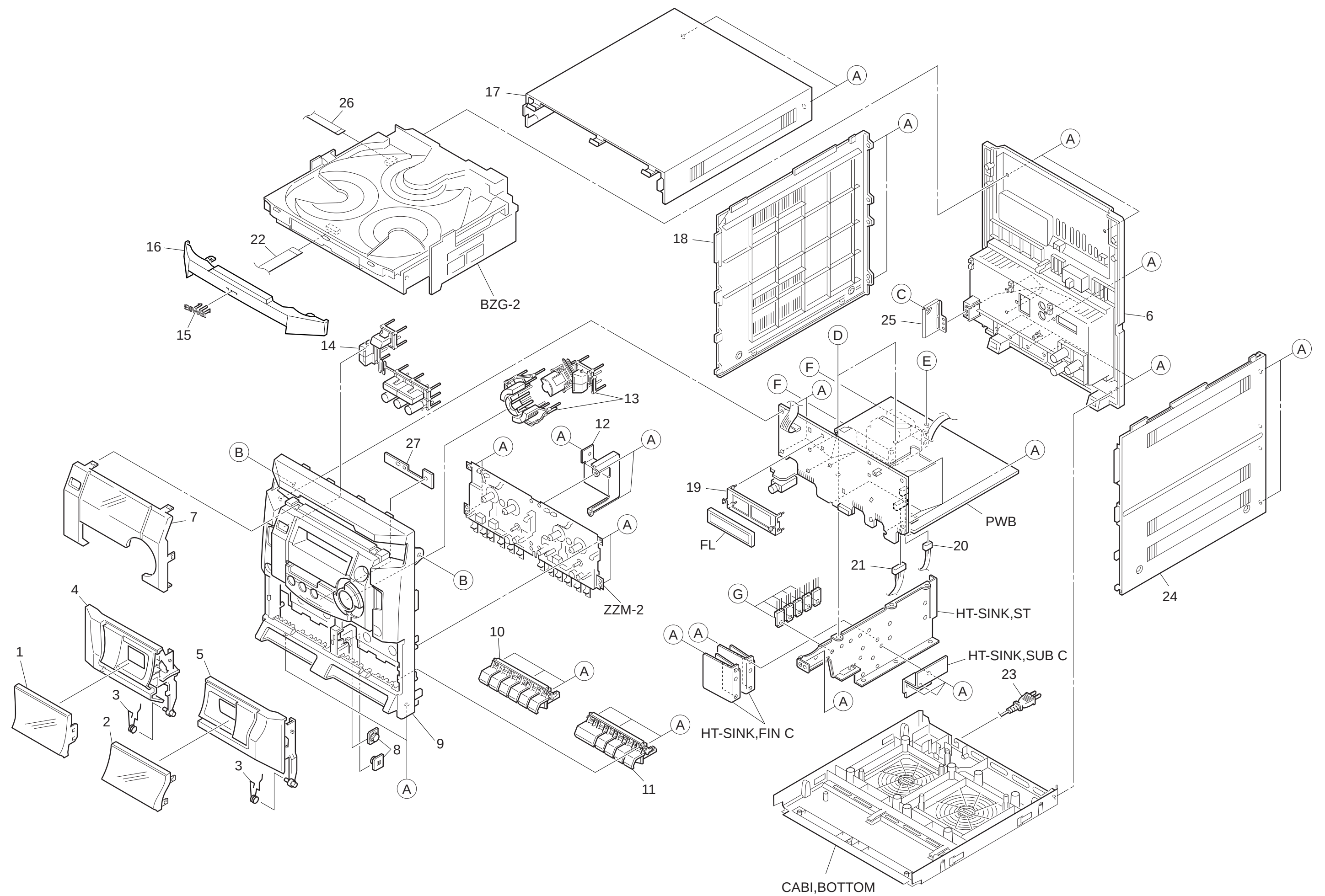
1. Clock Frequency Check
Settings : • Test point : TP2 (CLK)
Method : Set to AM 1710kHz and check that the test point is 2160kHz $\pm$ 45Hz.
2. AM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to AM 1710kHz and check that the test point is less than 8.5V. Then set to AM 530kHz and check that the test point is more than 0.6V.
3. AM Tracking Adjustment
Settings : • Test point : TP5 (Lch), TP6 (Rch)
• Adjustment location : L951(1/3)
Method : Set to AM 1000kHz and adjust L951(1/3) so that the test point becomes maximum.
4. FM Tracking Adjustment
Settings : • Test point : TP5 (Lch), TP6 (Rch)
• Adjustment location : L904
Method : Set to FM 87.5MHz and adjust L904 so that the test point becomes maximum. Then set to FM 98.0MHz and check that the test point is less than 9.0dB μ V.
5. FM VT Adjustment
Settings : • Test point : TP1 (VT)
• Adjustment location : L907
Method : Set to FM 108.0MHz and adjust L907 so that the test point becomes 7.0V $\pm$ 0.1V.
6. AM IF Adjustment
Settings : • Test point : TP5 (Lch), TP6 (Rch)
• Adjustment location : L802.....450kHz
7. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC Balance)
• TP5 (Lch), TP6 (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 $\pm$ 0.04V.
Then check that the distortion is less than 1.3%.
3. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP5 (Lch), TP6 (Rch)
Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is 0dB $\pm$ 4dB.
4. REC/PB Frequency Response Check (DECK 1)
Settings : • Test tape : TTA-602
• Test point : TP5 (Lch), TP6 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP5, TP6 becomes 8mV. Record and play back the 1kHz and 8kHz signal and check that the output of the 8kHz signals is 0dB $\pm$ 5dB with respect to that of the 1kHz signal.
5. REC/PB Sensitivity Check (DECK 1)
Settings : • Test tape : TTA-602
• Test point : TP5 (Lch), TP6 (Rch)
• Input signal : 1kHz (LINE IN)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP5, TP6 becomes 80mV. Record and play back the 1kHz signals and check that the output is -2dB $\pm$ 3.5dB.
6. PB Sensitivity Check (DECK 1, Deck 2)
Settings : • Test tape : TTA-200
• Test point : TP5 (Lch), TP6 (Rch)
Method : Play back the test tape and check that the output level of the test point is 110mV $\pm$ 3.5dB.

< FRONT SECTION >

1. μ -CON OSC Adjustment
Settings : • Test point : TP7 (K-SCAN) and TP8 (GND)
• Adjustment location : L501
Method : Insert AC plug while pressing function key and power key. Adjust L501 so that the frequency at the test point is 92.5Hz $\pm$ 0.1Hz.

< DECK SECTION >

1. Tape Speed Adjustment (DECK 1)
Settings : • Test tape : TTA-100
• Test point : TP5 (Lch), TP6 (Rch)
• Adjustment location : SFR391
Method : Play back the test tape and adjust SFR391 so that the frequency counter reads 3000Hz $\pm$ 5Hz (FWD) and $\pm$ 45Hz (REV) with respect to forward speed.
2. Head Azimuth Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP5 (Lch), TP6 (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.



MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NFC-008-010		WINDOW, CASS 1
2	8B-NFC-009-010		WINDOW, CASS 2
3	82-NF7-218-010		SPR-T, CASS
4	8B-NFC-003-110		BOX, CASS 1
5	8B-NFC-004-110		BOX, CASS 2
6	8B-NFC-017-210		CABI, REAR LHSC
7	8B-NFC-031-010		WINDOW, DISP H
8	8A-NFA-231-010		OIL-DMPR, 70
9	8B-NFC-001-010		CABI, FR U
10	8A-NED-010-210		KEY, CASS 1
11	8A-NED-011-110		KEY, CASS 2
12	8A-NEC-206-010		HLDR, DECK
13	8B-NFC-020-010		KEY, PLAY
14	8B-NFC-005-010		KEY, POWER
15	87-B00-002-010		BADGE, AIWA 30 ABS SIL
16	8B-NFC-002-010		PANEL, TRAY
17	8B-NFA-004-010		PANEL, TOP
18	8B-NFC-010-010		PANEL, LEFT
19	8A-NFA-208-010		GUIDE, FL 100-25 ANFA
20	8B-NFC-633-010		CONN ASSY, 3P (PH)
21	8B-NFC-634-010		CONN ASSY, 8P RPB
22	88-908-201-110		FF-CABLE, 8P 1.25
23	87-A80-092-010		AC CORD ASSY, E BLK SUN FAI
24	8B-NFC-011-010		PANEL, RIGHT
25	8A-NEC-201-110		HLDR, PT
26	88-906-251-110		FF-CABLE, 6P 1.25(RVS-FACE)
27	8B-NFC-643-010		PWB HLDR WIRE
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-721-096-410		QT2+3-10 GLD
C	87-571-092-410		TAPPING SCREW, VIT+3-4
D	87-067-579-010		TAPPING SCREW, BVT2+3-8
E	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
F	87-067-975-010		S-SCREW, IT+4-8
G	87-067-001-010		S-SCREW, BVWST2+3-12 W/O SLOT

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
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray

SPEAKER PARTS LIST (SX-NSZ102) <YLSC,YLSC9>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NSN-001-110		GRILLE, FRAME ASSY
2	8A-NSM-008-010		CORD, SPKR
3	8A-NSM-604-010		SPKR, 100

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NFC-902-010		IB, LH(ESP)S
2	8B-NFC-702-010		RC UNIT, RC-AAS11(VS)
3	87-006-268-010		ANT, LOOP AM
 4	87-A91-017-010		PLUG CONVERSION JT-0476

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