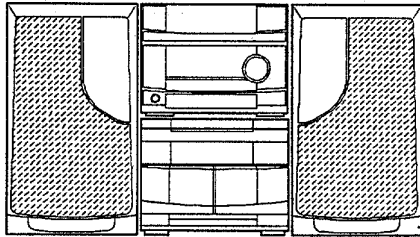


aiwa



NSX-KH9



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2 PR2N
- BASIC CD MECHANISM: 4ZG-1WVRNM

• TYPE. HE

- If requiring information about the CD mechanism, see Service Manual of 4ZG-1.
(S/M Code No. 09-965-128-10T)

SYSTEM	AMPLIFIER	CASSETTE DECK CD PLAYER	REMOTE CONTROLLER	SPEAKERS
NSX-KH9	RX-NKH9	FD-NKH9	RC-6AS08	SX-ANH9

MANUAL
SERVICE

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SPECIFICATIONS

STEREO RECEIVER RX-NKH9

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	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 μ V/m
Antenna	Loop antenna

Amplifier section

Power output *	Rated 95 W + 95 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference: 120 W + 120 W (6 ohms, T.H.D. 10 %, 1 kHz)
----------------	--

**without connecting to the SURROUND SPEAKERS*

Total harmonic distortion	0.1 % (60 W, 1 kHz, 6 ohms)
Inputs	VIDEO 1/MD IN: 200 mV (adjustable) VIDEO 2/AUX IN: 200 mV (adjustable) MIC 1, MIC 2: 1 mV (10 kohms)
Outputs	REC OUT: 200 mV SUPER WOOFER: 2.4 V SPEAKERS: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more

General


Power requirements	120 V/220 – 230 V/240 V AC, switchable 50/60 Hz
Power consumption	140 W (System total 160 W)
Dimensions of main unit (W x H x D)	260 x 198 x 333.5 mm
Weight of main unit	6.5 kg

General

Dimensions (W x H x D)	260 x 203 x 321.5 mm
Weight	3.9 kg

SPEAKER SYSTEM SX-ANH9

Cabinet type	4 way, bass reflex with surround speaker (magnetic shielded type)
Speakers	Woofers: 140 mm cone type Mid-range: 80 mm cone type Tweeter: 50 mm cone type Super tweeter: 20 mm ceramic type Surround speaker: 80 mm cone type
Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	250 x 405 x 286 mm
Weight	5 kg

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COMPACT DISC/STEREO CASSETTE DECK FD-NKH9

Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	Metal tape: 50 Hz – 17000 Hz CrO ₂ tape: 50 Hz – 16000 Hz Normal tape: 50 Hz – 15000 Hz
Signal-to-noise ratio	70 dB (Dolby C NR ON, Metal tape peak level)
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback/erase head x 1

Compact disc player section

Laser	Semiconductor laser ($\lambda = 780$ nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.03 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Video signal	NTSC/PAL color format (selectable)
Video data	MPEG 1
Audio data	MPEG 1, LAYER 2

MODEL NO.

RX-NKH9

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.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC				MAIN C. B			
	87-A20-069-049		C-IC, BA3842F	C101	87-016-657-090		CAP, E 3300-71 SMG
	87-A20-067-040		C-IC, M65849FP	C102	87-016-657-090		CAP, E 3300-71 SMG
	87-A20-191-019		IC, STK-419-140A	C104	87-010-235-089		CAP, E 470-16 SME
	87-017-888-089		IC, NJM4558MD	C105	87-010-235-089		CAP, E 470-16 SME
	87-017-915-089		IC, BU4094BCF	C106	87-016-285-089		CAP, E 47-100 SME
	87-017-804-019		IC, BU4052BC	C107	87-A10-253-089		CAP, E 3.3-50 BP
	87-A20-083-019		IC, BA3835S	C108	87-010-407-089		CAP, E 33-50 SME
	87-A20-107-019		IC, BA3836	C109	87-010-263-089		CAP, E 100-10 SME 5X11
	87-017-914-019		IC, BU4094 BC	C112	87-010-382-089		CAP, E 22-25 SME
	87-A20-056-019		IC, BA3880S	C113	87-010-403-089		CAP, E 3.3-50 SME
	87-A20-068-040		C-IC, M65847FP	C116	87-012-140-089		C-CAP, S 470P-50 CH
	87-070-267-010		C-IC, STK405-050	C121	87-012-368-089		C-CAP, S 0.1-50 F
	87-070-127-119		IC, LC72131D	C122	87-012-368-089		C-CAP, S 0.1-50 F
	87-017-714-119		IC, LA1836L	C123	87-012-368-089		C-CAP, S 0.1-50 F
	86-NL1-601-010		IC, LC 866440W-5C03	C124	87-012-368-089		C-CAP, S 0.1-50 F
	87-070-083-019		IC, GP1U281X	C126	87-010-189-080		C-CAP, S 8200P-50 K B
				C127	87-010-189-080		C-CAP, S 8200P-50 K B
				C131	87-010-186-089		C-CAP, S 4700P-50 B
				C132	87-010-186-089		C-CAP, S 4700P-50 B
				C152	87-010-260-089		CAP, E 47-25 SME
TRANSISTOR							
	89-213-702-019		TR, 2SB1370E				
	89-109-352-089		TR, 2SA 935 Q	C171	87-016-658-090		CAP, E 4700-35 SMG
	87-026-610-089		TR, KTC3198GR	C172	87-016-658-090		CAP, E 4700-35 SMG
	89-332-665-089		TR, 2SC3266GR	C173	87-012-368-089		C-CAP S 0.1-50F
	89-337-221-389		C-TR, 2SC3722K	C174	87-012-368-089		C-CAP S 0.1-50F
	89-324-122-089		C-TR, 2SC 2412R	C175	87-012-368-089		C-CAP S 0.1-50F
	89-110-372-089		C-TR, 2SA1037 R	C176	87-012-368-089		C-CAP S 0.1-50F
	87-026-210-089		C-TR, DTC144EK T147	C220	87-010-194-089		C-CAP, S 0.047-25 F
	87-026-235-080		C-TR, DTC114EK	C221	37-010-545-089		CAP, E 0.22-50 SME
	89-421-141-289		C-TR, 2SD2114K, UV	C222	87-010-545-089		CAP, E 0.22-50 SME
				C225	87-012-157-089		C-CAP, S 330P-50 CH
	87-026-609-089		TR, KTA1266GR				
	89-109-373-089		TR, 2SA1037S	C226	87-012-157-089		C-CAP, S 330P-50 CH
	89-324-122-080		C-TR, 2SC2412KR	C227	87-010-402-089		CAP, E 2.2-50 SME
	89-112-965-089		TR, 2SA1296GR	C228	87-010-402-089		CAP, E 2.2-50 SME
	87-026-228-089		C-TR DTA124EK	C229	87-010-403-080		CAP, E 3.3-50 SME
				C230	87-010-403-080		CAP, E 3.3-50 SME
	89-113-187-089		TR, 2SA1318TU				
	87-A30-047-080		TR, CSD655E	C231	87-018-099-089		CAP, TC-U 3.9P-50 CH
	89-333-266-089		C-TR, 2SC3326B	C232	87-018-099-089		CAP, TC-U 3.9P-50 CH
	89-110-155-080		TR, 2SA1015GR	C233	87-010-196-089		C-CAP, S 0.1-25 F
	87-026-610-080		TR, KTC3198GR	C234	87-010-196-089		C-CAP, S 0.1-25 F
				C235	87-010-196-089		C-CAP, S 0.1-25 F
	87-026-609-080		TR, KTA1266GR				
	87-026-214-089		TR, DTA114YS	C236	87-010-196-089		C-CAP, S 0.1-25 F
	89-327-125-089		C-TR, 2SC2712GR	C240	87-010-197-089		C-CAP, S 0.01-25 B
	89-327-143-089		C-TR, 2SC2714 (O)	C245	87-012-368-089		C-CAP, S 0.1-50 F
	87-026-226-089		C-TR, DTA143EK	C500	87-010-405-089		CAP, E 10-50 SME
				C501	87-010-213-089		C-CAP, S 0.015-25 B
	87-026-211-089		C-TR, DTA144EK T147				
	89-505-434-589		C-FET, 2SK543 (4/5)	C502	87-010-213-089		C-CAP, S 0.015-25 B
				C503	87-010-179-089		C-CAP, S 1200P-50 B
				C504	87-010-179-089		C-CAP, S 1200P-50 B
				C505	87-010-546-089		CAP, E 0.33-50 SME
				C506	87-010-546-089		CAP, E 0.33-50 SME
DIODE							
	87-A40-116-069		DIODE, RS403L-B-D-51				
	87-A40-115-069		DIODE, SA D102	C507	87-010-196-089		C-CAP, S 0.1-25 F
	87-070-274-089		DIODE, 1N4003 SEM	C508	87-010-196-089		C-CAP, S 0.1-25 F
	87-020-027-089		C-DIODE, 1SS184	C530	87-010-197-089		C-CAP, S 0.01-25 B
	87-020-125-089		C-DIODE, 1SS181	C531	87-010-183-089		C-CAP, S 2700P-50 B
				C532	87-010-194-089		C-CAP, S 0.047-25 F
	87-020-465-089		DIODE, 1SS133				
	87-017-174-089		ZENER, HZS11A3L	C534	87-010-263-089		CAP, E 100-10 SME 5X11
	87-017-146-089		ZENER, HZS30-2	C535	87-010-404-089		CAP, E 4.7-50 SME
	87-001-290-089		ZENER, HZS5C1	C536	87-010-404-089		CAP, E 4.7-50 SME
	87-A40-116-060		DIODE, RS403L-B-D-51	C537	87-010-545-089		CAP, E 0.22-50 SME
				C539	87-010-194-089		C-CAP, S 0.047-25 F
	87-017-148-089		ZENER, HZS6A1L				
	87-001-731-089		ZENER HZS6C2L	C540	87-010-384-089		CAP, E 100-25 SME
	87-001-911-089		ZENER, UTZJ4.7A (TAPG)	C541	87-010-404-089		CAP, E 4.7-50 SME

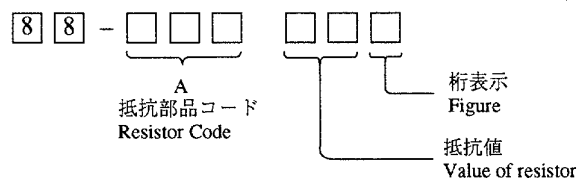
REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
C542	87-010-404-089		CAP,E 4.7-50 SME	C779	87-010-401-089		CAP,E 1-50 SME
C560	87-010-318-080		C-CAP,S 47P-50 J CH	C780	87-010-197-089		C-CAP,S 0.01-25 B
C561	87-010-318-080		C-CAP,S 47P-50 J CH	C781	87-010-405-089		CAP,E 10-50 SME
C562	87-010-318-080		C-CAP,S 47P-50 J CH	C782	87-010-405-089		CAP,E 10-50 SME
C563	87-012-142-089		C-CAP,S 0.33-16 F	C787	87-010-184-089		C-CAP,S 3300P-50 B
C564	87-010-196-089		C-CAP,S 0.1-25 F	C788	87-010-184-089		C-CAP,S 3300P-50 B
C565	87-018-209-089		CAP,TC-U 0.1-50 F	C789	87-010-179-089		C-CAP,S 1200P-50 B
C566	87-010-196-089		C-CAP,S 0.1-25 F	C790	87-010-179-089		C-CAP,S 1200P-50 B
C601	87-010-184-089		C-CAP,S 3300P-50 B	C791	87-010-401-089		CAP,E 1-50 SME
C602	87-010-184-089		C-CAP,S 3300P-50 B	C792	87-010-180-089		C-CAP,S 1500P-50 B
C603	87-010-405-089		CAP,E 10-50 SME	C793	87-010-189-089		C-CAP,S 8200P-50 B
C604	87-010-405-089		CAP,E 10-50 SME	C794	87-010-408-089		CAP,E 47-50 SME
C605	87-010-260-089		CAP,E 47-25 SME	C795	87-010-194-089		C-CAP,S 0.047-25 F
C606	87-010-101-089		CAP,E 220-16 SME	C796	87-010-403-089		CAP,E 3.3-50 SME
C607	87-010-188-089		C-CAP,S 6800P-50 B	C801	87-018-134-089		CAP,TC-U0.01-16 Y
C608	87-010-188-089		C-CAP,S 6800P-50 B	C813	87-018-134-089		CAP,TC-U0.01-16 Y
C609	87-018-127-089		CAP,TC-U 470P-50 B	C814	87-010-197-089		C-CAP,S 0.01-25 B
C610	87-018-127-089		CAP,TC-U 470P-50 B	C815	87-018-134-089		CAP,TC-U 0.01-16 Y
C611	87-010-197-089		C-CAP,S 0.01-25 B	C816	87-018-134-089		CAP,TC-U 0.01-16 Y
C612	87-010-197-089		C-CAP,S 0.01-25 B	C817	87-010-197-089		C-CAP,S 0.01-25 B
C613	87-010-195-089		C-CAP,S 0.068-25 F	C818	87-010-197-089		C-CAP,S 0.01-25 B
C614	87-010-195-089		C-CAP,S 0.068-25 F	C819	87-010-197-089		C-CAP,S 0.01-25 B
C615	87-010-404-089		CAP,E 4.7-50 SME	C820	87-010-408-089		CAP,E 47-50 SME
C616	87-010-404-089		CAP,E 4.7-50 SME	C821	87-010-197-089		C-CAP,S 0.01-25 B
C617	87-010-404-089		CAP,E 4.7-50 SME	C822	87-010-197-089		C-CAP,S 0.01-25 B
C618	87-010-404-089		CAP,E 4.7-50 SME	C823	87-010-197-089		C-CAP,S 0.01-25 B
C650	87-010-263-080		CAP,E 100-10 SME	C828	87-010-196-089		C-CAP,S 0.1-25 F
C651	87-010-196-080		C-CAP,S 0.1-25 Z F	C829	87-010-196-089		C-CAP,S 0.1-25 F
C652	87-010-408-089		CAP,E 47-50 SME	C940	87-010-197-089		C-CAP,S 0.01-25 B
C661	87-012-154-080		C-CAP,S 150P-50 J CH GRM	C946	87-010-401-089		CAP,E 1-50 SME
C662	87-012-154-080		C-CAP,S 150P-50 J CH GRM	C960	87-010-196-089		C-CAP,S 0.1-25 F
C663	87-012-145-080		C-CAP,S 270P-50 J CH	C961	87-010-152-089		C-CAP,S 8P-50 CH
C664	87-012-145-080		C-CAP,S 270P-50 J CH	CF801	87-008-261-019		FLTR, SFE10.7MA5-A
C665	87-010-177-080		C-CAP,S 820P-50 J SL	CF802	87-008-261-019		FLTR, SFE10.7MA5-A
C666	87-010-177-080		C-CAP,S 820P-50 J SL	FFE801	A8-6ZA-190-039		6ZA-1FEUNM
C667	87-010-183-080		C-CAP,S 2700P-50 K B	J252	87-A60-031-010		JACK, 6.3 BLK ST W/S
C668	87-010-183-080		C-CAP,S 2700P-50 K B	J253	87-099-802-010		JACK, PIN 3P BRW
C669	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	J254	87-033-240-019		TERMINAL, SP 4P32SV1-05
C670	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	J801	87-033-235-019		TERMINAL, ANT (H)
C671	87-010-196-080		C-CAP,S 0.1-25 Z F	L101	87-003-383-019		COIL, 1UH-S
C701	87-010-381-089		CAP,E 330-16 SME	L102	87-003-383-019		COIL, 1UH-S
C702	87-010-404-089		CAP,E 4.7-50 SME	L701	87-003-293-019		COIL, TRAP MPX
C703	87-010-197-089		C-CAP,S 0.01-25 B	L702	87-003-293-019		COIL, TRAP MPX
C704	87-010-197-089		C-CAP,S 0.01-25 B	L741	87-A50-015-019		COIL, FM DET(TOK)
C711	87-010-263-089		CAP,E 100-10 SME 5X11	L742	87-A90-051-019		FLTR, CFAZ-450(TOK)
C712	87-010-196-089		C-CAP,S 0.1-25 F	L770	87-003-102-089		COIL, 10UH
C715	87-010-197-089		C-CAP,S 0.01-25 B	L832	87-003-098-089		COIL, 2.2UH
C716	87-010-197-089		C-CAP,S 0.01-25 B	L981	86-NF4-665-019		AM PACK 1(TOK)
C722	87-010-152-089		C-CAP,S 8P-50 CH	APR106	87-026-689-080		PROTECTOR, 1A 491SERIES 60V
C723	87-010-178-089		C-CAP,S 1000P-50 B	R105	87-022-600-089		RES,M/F 0.1-2W J
C725	87-010-178-089		C-CAP,S 1000P-50 B	R106	87-022-600-089		RES,M/F 0.1-2W J
C727	87-010-196-089		C-CAP,S 0.1-25 F	RY101	87-045-389-019		RELAY, OSA-SS-212DM5
C728	87-010-248-089		CAP,E 220-10 SME	RY102	87-045-382-010		RELAY, 12V OUAZ-SH-112L
C760	87-010-197-089		C-CAP,S 0.01-25 B	SFR722	87-024-432-080		SFR, 4.7K H RH063MC
C761	87-010-196-089		C-CAP,S 0.1-25 F	TC701	87-011-253-089		TRIMER, 30P LAR
C770	87-010-405-089		CAP,E 10-50 SME	TH240	87-A90-221-080		C-THMS, 100K
C771	87-010-405-089		CAP,E 10-50 SME	W101	85-NF5-628-019		F-CABLE 7P-2.5
C772	87-010-194-089		C-CAP,S 0.047-25 F	W304	86-NT2-655-010		CORD, FG15P
C773	87-010-196-089		C-CAP,S 0.1-25 F	X703	84-508-618-019		VIB,CER CSB 456 F15
C774	87-010-263-089		CAP,E 100-10 SME 5X11	X721	87-030-372-019		VIB,XTAL 7.2MHZ
C775	87-010-405-089		CAP,E 10-50 SME				
C776	87-010-197-089		C-CAP,S 0.01-25 B				
C777	87-010-400-089		CAP,E 0.47-50 SME				
C778	87-010-401-089		CAP,E 1-50 SME				
				FRONT C.B			
				C101	87-010-401-049		CAP,E 1-50 SME

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
C102	87-010-401-049		CAP,E 1-50 SME	LED411	87-070-201-089		LED,SLP9118C-51-S-T1
C103	87-010-182-089		C-CAP,S 2200P-50 B	LED412	87-070-201-089		LED,SLP9118C-51-S-T1
C104	87-010-182-089		C-CAP,S 2200P-50 B	LED413	87-070-201-089		LED,SLP9118C-51-S-T1
C105	87-010-545-049		CAP E 0.22-50 SME	LED414	87-070-201-089		LED,SLP9118C-51-S-T1
C106	87-010-545-049		CAP E 0.22-50 SME	LED415	87-070-201-089		LED,SLP9118C-51-S-T1
C107	87-010-993-089		C-CAP,S 0.056-25 B	LED421	87-070-198-089		LED,SLP736A-81-S-T1
C108	87-010-993-089		C-CAP,S 0.056-25 B	LED422	87-070-198-089		LED,SLP736A-81-S-T1
C109	87-012-393-089		C-CAP,S 0.22-16,R,X	LED423	87-070-198-089		LED,SLP736A-81-S-T1
C110	87-012-393-089		C-CAP,S 0.22-16,R,X	LED424	87-070-198-089		LED,SLP736A-81-S-T1
C111	87-010-401-049		CAP,E 1-50 SME	LED425	87-070-198-089		LED,SLP736A-81-S-T1
C112	87-010-260-049		CAP,E 47-25 SME	LED431	87-070-198-089		LED,SLP736A-81-S-T1
C113	87-010-405-049		CAP,E 10-50 SME	LED432	87-070-198-089		LED,SLP736A-81-S-T1
C114	87-010-406-049		CAP,E 22-50 SME	LED433	87-070-198-089		LED,SLP736A-81-S-T1
C115	87-010-196-089		C-CAP,S 0.1-25 F	LED434	87-070-198-089		LED,SLP736A-81-S-T1
C401	87-010-196-089		C-CAP,S 0.1-25 F	LED435	87-070-198-089		LED,SLP736A-81-S-T1
C402	87-010-196-089		C-CAP,S 0.1-25 F	LED436	87-A40-188-089		LED,SLZ736A-17-S-T2
C450	87-010-112-049		CAP,E 100-16	LED437	87-A40-188-089		LED,SLZ736A-17-S-T2
C470	87-010-112-049		CAP,E 100-16	APR465	87-A90-247-080		PROTECTOR,0.315A 60V 491
C501	87-010-322-089		C-CAP,S 100P-50 CH	S920	87-A90-095-089		SW,TACT EVQ11G04M
C502	87-010-196-089		C-CAP,S 0.1-25 F	S921	87-A90-095-089		SW,TACT EVQ11G04M
C503	87-010-196-089		C-CAP,S 0.1-25 F	S922	87-A90-095-089		SW,TACT EVQ11G04M
C504	87-010-196-089		C-CAP,S 0.1-25 F	S923	87-A90-095-089		SW,TACT EVQ11G04M
C505	87-010-196-089		C-CAP,S 0.1-25 F	S924	87-A90-095-089		SW,TACT EVQ11G04M
C506	87-010-196-089		C-CAP,S 0.1-25 F	S925	87-A90-095-089		SW,TACT EVQ11G04M
C601	87-010-196-089		C-CAP,S 0.1-25 F	S926	87-A90-095-089		SW,TACT EVQ11G04M
C602	87-010-545-049		CAP E 0.22-50 SME	S927	87-A90-095-089		SW,TACT EVQ11G04M
C603	87-010-321-089		C-CAP,S 82P-50 CH	S928	87-A90-095-089		SW,TACT EVQ11G04M
C604	87-010-196-089		C-CAP,S 0.1-25 F	S932	87-A90-095-089		SW,TACT EVQ11G04M
C605	87-010-196-089		C-CAP,S 0.1-25 F	S933	87-A90-095-089		SW,TACT EVQ11G04M
C608	87-010-177-089		C-CAP,S 820P-50 SL	S934	87-A90-095-089		SW,TACT EVQ11G04M
C609	87-016-251-049		CAP,E220-16 SMG	S935	87-A90-095-089		SW,TACT EVQ11G04M
C610	87-010-405-049		CAP,E 10-50 SME	S936	87-A90-095-089		SW,TACT EVQ11G04M
C611	87-010-405-049		CAP,E 10-50 SME	VR101	83-SP2-612-010		VR,10KB SQ11
C612	87-010-406-049		CAP,E 22-50 SME	VR601	87-A90-124-019		VR,RTRY 10KA L20
C613	87-010-401-049		CAP,E 1-50 SME				
C615	87-010-186-089		C-CAP,S 4700P-50 B	MVR C.B			
C801	87-010-555-049		CAP,E 100-10 GAS	C201	87-010-545-040		CAP,E 0.22-50 SME
C802	87-010-074-080		CAP,E 4.7-35 5L	C202	87-010-545-040		CAP,E 0.22-50 SME
C803	87-010-494-049		CAP,E 1-50 GAS	C203	87-010-404-040		CAP,E 4.7-50 SME
C804	87-A10-189-049		CAP,E 220-10	C205	87-010-263-089		CAP,E 100-10 SME 5X11
C805	87-010-196-089		C-CAP,S 0.1-25 F	C206	87-010-263-089		CAP,E 100-10 SME 5X11
C806	87-010-196-089		C-CAP,S 0.1-25 F				
C821	87-010-312-089		C-CAP,S 15P-50 CH	C207	87-010-318-089		C-CAP,S 47P-50 CH
C822	87-010-180-089		C-CAP,S 1500P-50 B	C208	87-010-318-089		C-CAP,S 47P-50 CH
C823	87-010-180-089		CAP,E 10-16 GAS	C209	87-012-358-080		C-CAP,S 0.47-10 Z F
C824	87-010-302-080		C-CAP,S 270P-50 CH	C210	87-010-197-089		C-CAP,S 0.01-25 B
C901	87-010-405-049		CAP,E 10-50 SME	C211	87-010-179-089		C-CAP,S 1200P-50 B
C902	87-010-405-049		CAP,E 10-50 SME				
C903	87-010-408-049		CAP-E 47-50 SME	C212	87-010-196-089		C-CAP,S 0.1-25 F
FC1	88-904-201-219		FF-CABLE 4P 1.25	C215	87-010-196-089		C-CAP,S 0.1-25 F
FL801	86-NF1-636-019		FL,BJ451GK	C216	87-010-187-089		C-CAP,S 5600P-50 B
J601	82-NF7-630-019		JACK,3.5 MO	C217	87-010-182-089		C-CAP,S 2200P-50 B
J602	82-NF7-630-019		JACK,3.5 MO	C218	87-012-393-089		C-CAP,S 0.22-16,R,K
L820	87-A50-052-019		COIL,CLOCK 5.76MHZ T1	C219	87-010-194-089		C-CAP,S 0.047-25 F
LED401	87-070-199-089		LED,SLP738F-81-S-T1	C220	87-010-181-080		C-CAP,S 1800P-50 K B
LED402	87-070-199-089		LED,SLP738F-81-S-T1	C221	87-010-196-089		C-CAP,S 0.1-25 F
LED403	87-070-199-089		LED,SLP738F-81-S-T1	C222	87-010-179-089		C-CAP,S 1200P-50 B
LED404	87-070-199-089		LED,SLP738F-81-S-T1	C223	87-010-177-089		C-CAP,S 820P-50 SL
LED405	87-070-199-089		LED,SLP738F-81-S-T1				
LED406	87-070-199-089		LED,SLP738F-81-S-T1	C280	87-010-196-089		C-CAP,S 0.1-25 F
LED407	87-070-199-089		LED,SLP738F-81-S-T1	C285	87-010-263-089		CAP,E 100-10 SME 5X11
LED408	87-070-199-089		LED,SLP738F-81-S-T1	C286	87-010-384-089		CAP,E 100-25 SME
LED409	87-070-199-089		LED,SLP738F-81-S-T1	C287	87-010-322-080		C-CAP,S 100P-50 J CH
LED410	87-070-199-089		LED,SLP738F-81-S-T1	C288	87-010-322-080		C-CAP,S 100P-50 J CH
				C301	87-010-402-049		CAP,E 2.2-50 SME
				C302	87-010-402-049		CAP,E 2.2-50 SME

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C303	87-010-404-049		CAP,E 4.7-50 SME	AC-2	C.B		
C304	87-010-404-049		CAP,E 4.7-50 SME				
L201	87-005-481-089		COIL,47UH J FLR50	△PR101	87-026-682-080		PROTECTOR,10A 491SERIES 60V
MVR281	86-N11-633-010		VR,MOT 50KBX2 -L20	△PR102	87-026-682-080		PROTECTOR,10A 491SERIES 60V
TRAY C.B				PT-H C.B			
S937	87-A90-095-089		SW,TACT EVQ11G04M	△	87-033-147-019		CLAMP,FUSE
S938	87-A90-095-089		SW,TACT EVQ11G04M	△	82-304-743-019		TERMINAL 1P
S939	87-A90-095-089		SW,TACT EVQ11G04M	△F101	87-035-193-010		FUSE,5A 250V T 218
S940	87-A90-095-089		SW,TACT EVQ11G04M	△PT103	86-NL1-606-010		PT,6NL-1 HE
S941	87-A90-095-089		SW,TACT EVQ11G04M	△SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301
S942	87-A90-095-089		SW,TACT EVQ11G04M	MOTOR C.B			
S943	87-A90-095-089		SW,TACT EVQ11G04M	C970	87-010-263-089		CAP,E 100-10 SME 5X11
S944	87-A90-095-089		SW,TACT EVQ11G04M	C971	87-010-263-089		CAP,E 100-10 SME 5X11
S945	87-036-110-019		SW,PUSH SPPB 62	M971	87-045-383-010		MOT,M9I T2
S946	87-A90-095-089		SW,TACT EVQ11G04M				
S947	87-A90-095-089		SW,TACT EVQ11G04M				
S948	87-A90-095-089		SW,TACT EVQ11G04M				
S949	87-A90-095-089		SW,TACT EVQ11G04M				
S950	87-A90-095-089		SW,TACT EVQ11G04M				
S951	87-A90-095-089		SW,TACT EVQ11G04M				
S952	87-A90-095-089		SW,TACT EVQ11G04M				
S953	87-A90-095-089		SW,TACT EVQ11G04M				
S954	87-A90-095-089		SW,TACT EVQ11G04M				
S955	87-036-110-019		SW,PUSH SPPB 62				

○ 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

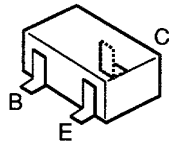
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法 / Dimensions (mm)			抵抗コード : A Resistor Code: A	
				外形 / Form	L	W		t
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



ECB

2SA1015
2SA1296
2SA1318
2SC3266
CSD655
KTA1266
KTC3198



2SA1037
2SC2412
2SC2712
2SC2714
2SC3326
2SC3722
2SD2114
DTA124EK
DTA143EK
DTA144EK
DTC114EK
DTC144EK



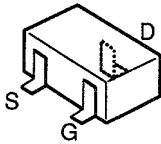
ECB

DTA114YS

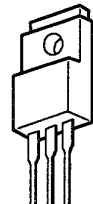


ECB

2SA935



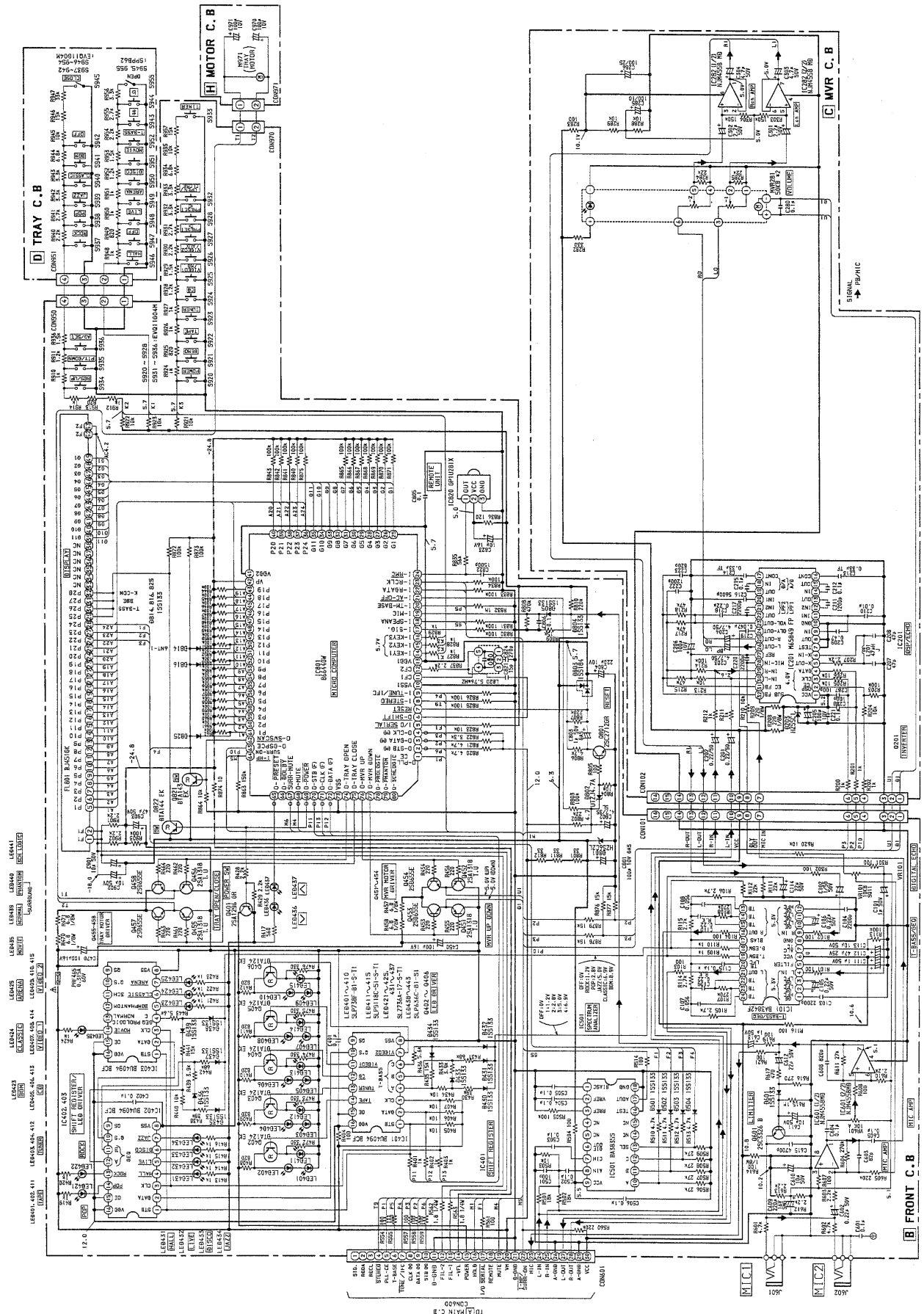
2SK543



BCE

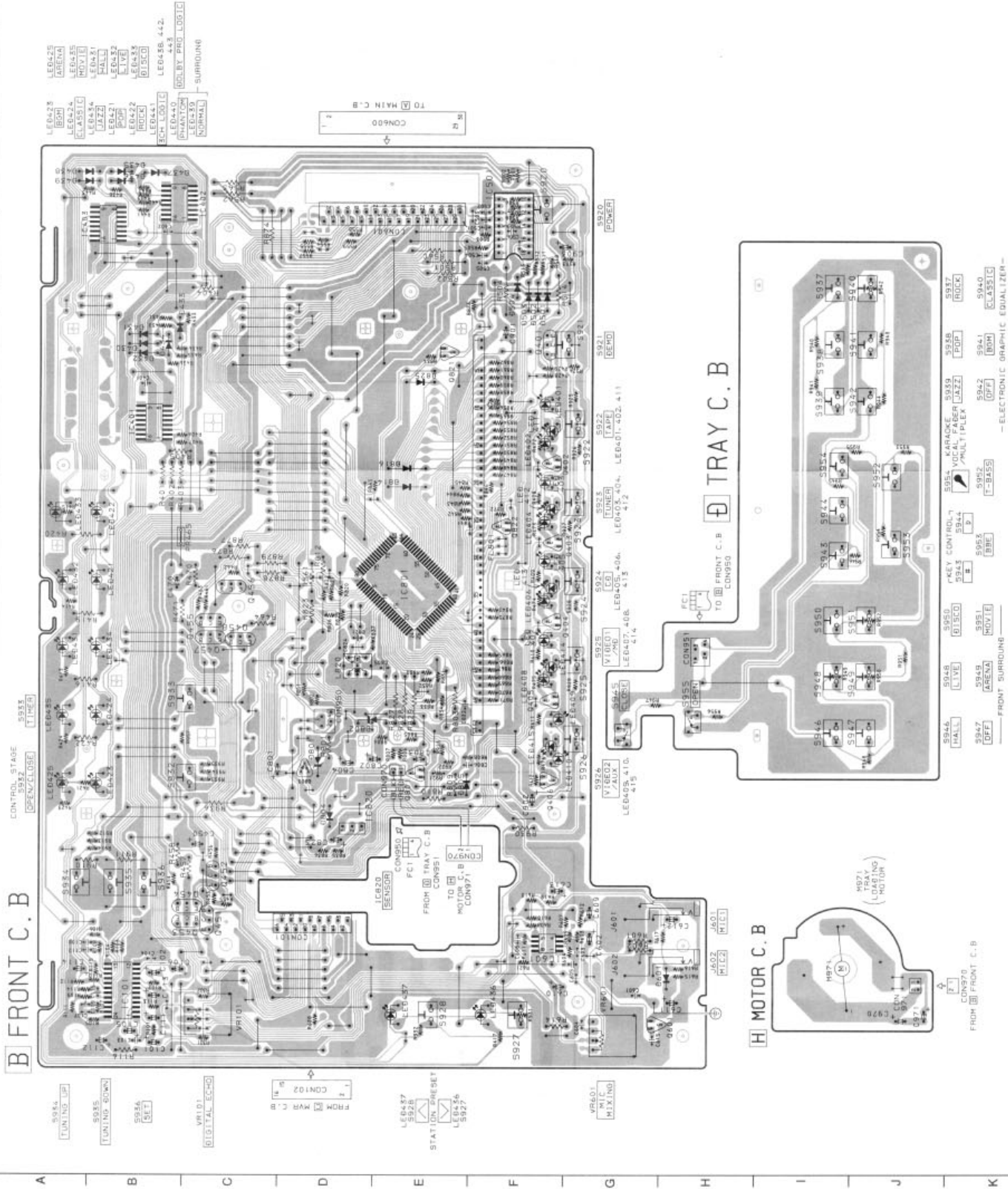
2SB1370

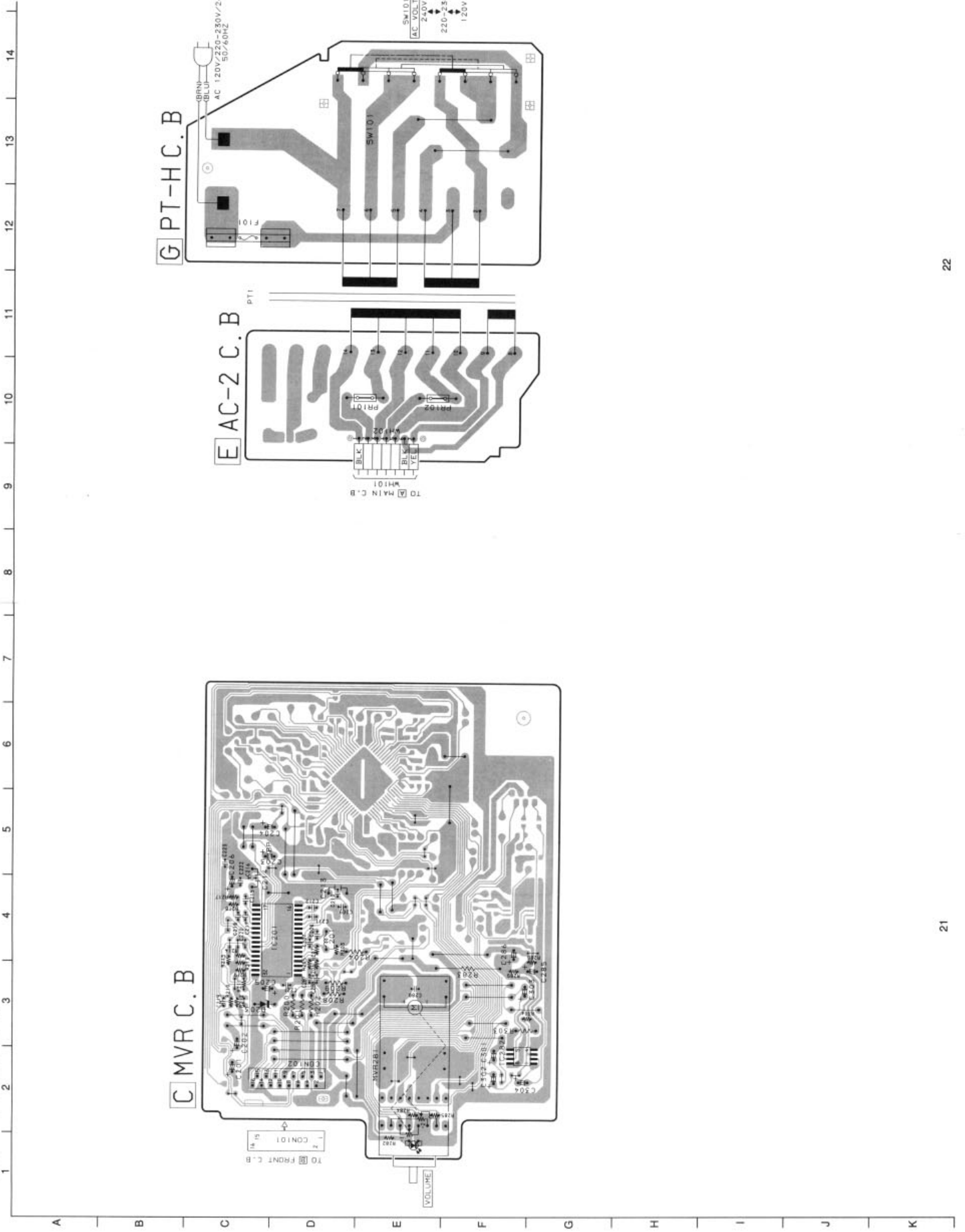
SCHEMATIC DIAGRAM-2 (FRONT)



WIRING-2 (FRONT / TRAY / MOTOR)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

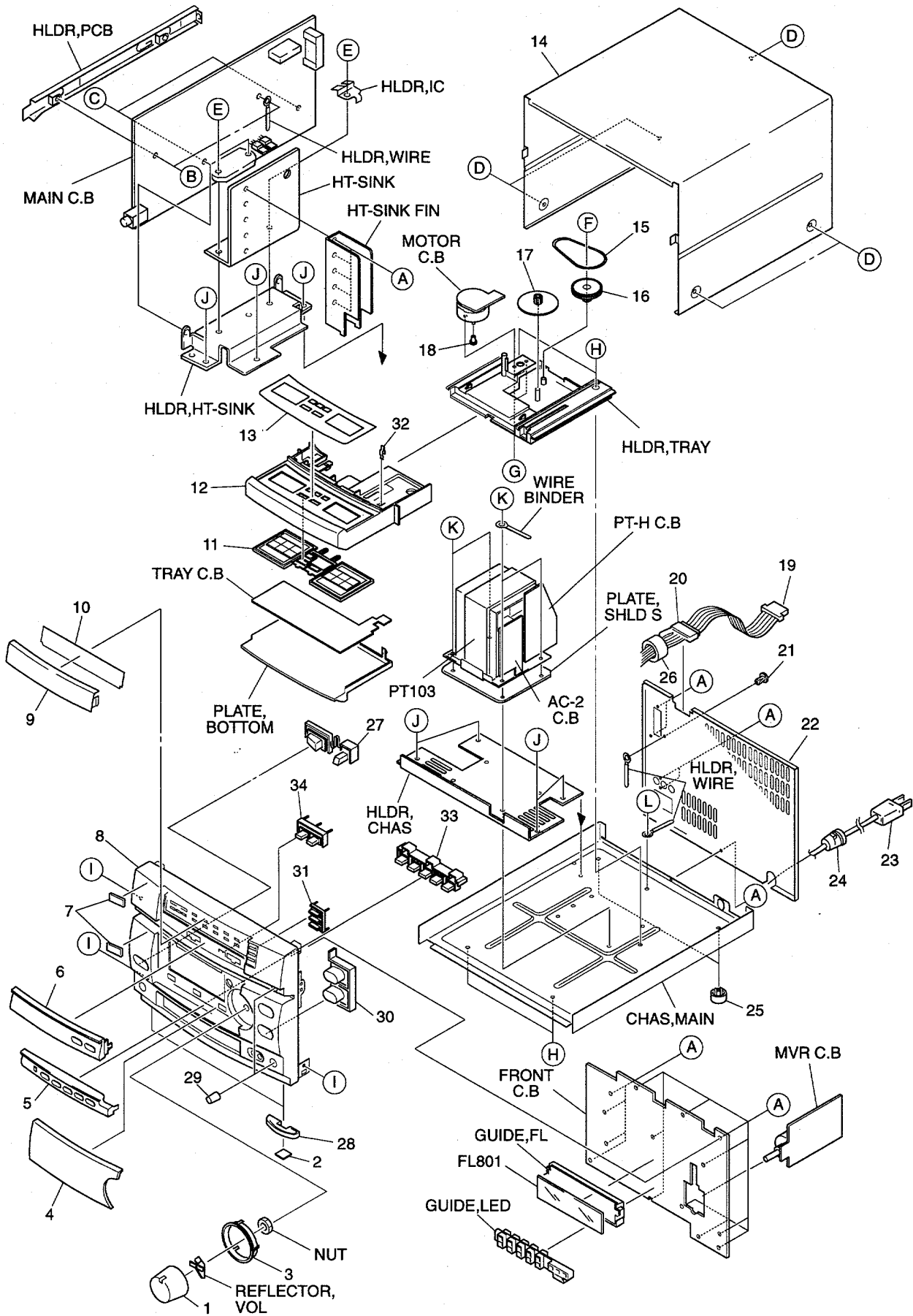




See the NSX-H9/H90(S/M Code No.09-966-141-50T) for the IC DESCRIPTION, IC BLOCK DIAGRAM, FL(BJ451GK)GRID ASSIGNMENT/ANODE CONNECTION, ELECTRICAL ADJUSTMENT and PRACTICAL SERVICE FIGURE below.

RX-NKH9	NSX-H9/H90(RX-NH9/NH90)	
LC866440W-5C03	LC866424V-5A62	P23-24
BA3880S	BA3880S	P25
M65849FP	M65849FP	P25
BA3835S	BA3835S	P26
LC72131D	LC72131D	P26
BA3842F	BA3842F	P27
BA3836	BA3836	P27
FL(BJ451GK)GRID ASSIGNMENT/ANODE CONNECTION		P16
ELECTRICAL ADJUSTMENT		P28
PRACTICAL SERVICE FIGURE		P29

MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL 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.	カリ NO.	DESCRIPTION	REF.NO	PART NO.	カリ NO.	DESCRIPTION
1	86-NT1-021-010		KNOB, RTRY VOL	26	87-003-317-010		F-BEAD, 15-25-15 E2515MRT
2	80-VT1-202-010		FELT, 12.5-15.5-2	27	86-NT1-008-010		KEY, POWER
3	86-NT1-026-010		RING, VOL	28	85-NC1-019-010		RING, FOOT
4	86-NT1-028-010		WINDOW, DISPLAY	29	86-NT1-023-010		KNOB, RTRY MIC
5	86-NT1-006-010		PANEL, FUN	30	86-NT1-009-010		KEY, UP/DOWN
6	86-NT1-005-010		PANEL, GEQ	31	86-NT1-011-010		KEY, RDS
7	82-NE8-032-010		BADGE, AIWA 27.5 ABS GLD	32	81-MT3-211-010		LEVER, OPEN
8	86-NL1-001-010		CABI, FR H	33	86-NT1-020-010		KEY, ASSY FUN
9	86-NT1-027-010		WINDOW, GEQ	34	86-NT1-030-010		KEY, TIMER
10	86-NT1-025-010		PLATE, GEQ	A	87-067-703-010		BVT2+3-10 W/O SLOT
11	86-NT1-035-010		KEY, KARAOKE	B	87-078-084-010		BVTT+3-6 W/CONVEX
12	86-NT1-004-010		TRAY, CONTROL	C	87-067-633-010		BVT2+3-8 W/O SLOT W/CONVEX
13	86-NT1-036-010		PLATE, TRAY KH9	D	87-067-641-010		UTT2+3-8 W/O SLOT BLK
14	86-NT1-003-010		CABI, STEEL	E	87-067-822-010		BVT2+3-20 W/O SLOT
15	80-VW1-217-010		BELT, SQ 1.5	F	87-861-095-410		VFT2+3-8 W/SLOT
16	82-NT1-205-110		PULLEY, LOADING	G	87-261-073-410		V+2.6-6
17	82-NT1-204-010		GEAR, LOADING	H	87-067-584-010		BVT2+3-6 W/O SLOT
18	80-VW1-204-010		PULLEY, MOTOR	I	87-591-094-410		QIT+3-6
19	82-NT3-631-110		CORD, FG 15P	J	87-571-092-410		VIT+3-4
20	89-VT5-202-010		BUSHING, CORD	K	87-067-975-010		S-SCREW, IT+4-8 SWCH12A
21	87-084-077-010		RIVET, NYL3.5-4.5	L	87-067-688-010		BVTT+3-6
22	86-NL1-002-010		PANEL, REAR HEJSTNM				
23	87-050-079-010		AC CORD ASSY, E BLK				
24	87-085-185-010		BUSHING, AC CORD(E) CM-22B				
25	87-085-213-010		FOOT, H 12.5				

MODEL NO.

FD-NKH9

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 ylitäville 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

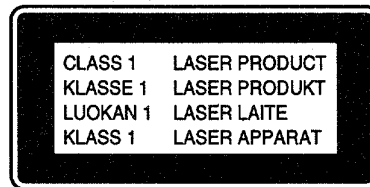
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når 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.

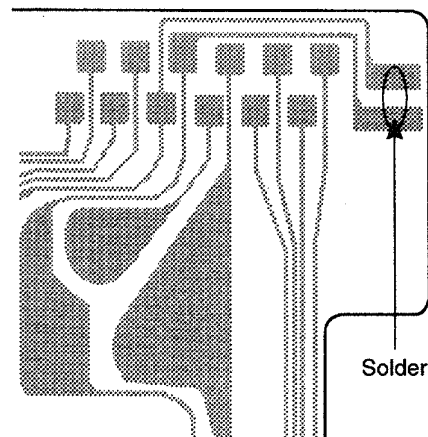


Precaution to replace Optical block (KSS-213B)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.

PICK-UP Assy P.C.B



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.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
IC					87-A40-196-080		C-ZENER,UD26.2B
					87-001-559-080		DIODE,1SS131
	87-017-745-019		IC,CXA1782BQ				
	87-020-454-010		IC,DN 6851				
	87-017-022-080		C-IC,NJM2068M-D(T1)	MAIN C.B			
	87-002-783-110		IC,CXD2500BQ				
	87-001-224-080		C-IC,NJU4066BM(T1)				
	87-A20-257-049		IC,BA6791FP	C101	87-012-158-080		C-CAP,S 390P-50 J CH GRM
	87-002-532-010		IC,PQ05RF11	C102	87-012-158-080		C-CAP,S 390P-50 J CH GRM
	87-001-873-010		IC,LB1644	C103	87-010-318-080		C-CAP,S 47P-50 J CH
	87-017-825-010		IC,GPLF32T	C104	87-010-318-080		C-CAP,S 47P-50 J CH
	84-ZG1-639-010		C-IC,MB89627R-308	C105	87-010-426-080		C-CAP,S 0.012-25 K B
	87-017-543-080		IC,PST600D	C106	87-010-426-080		C-CAP,S 0.012-25 K B
	87-A20-255-040		C-IC,SN74LV373NS	C109	87-012-154-080		C-CAP,S 150P-50 J CH GRM
	87-A20-251-040		C-IC,BR6265BF-N10SL	C110	87-012-154-080		C-CAP,S 150P-50 J CH GRM
	87-A20-252-040		C-IC,SN74LV00NS	C111	87-010-404-080		CAP,E 4.7-50 SME
	87-A20-253-040		C-IC,SN74LV04NS	C112	87-010-404-080		CAP,E 4.7-50 SME
	87-A20-254-040		C-IC,SN74LV32NS	C113	87-010-404-080		CAP,E 4.7-50 SME
	87-A20-244-010		C-IC,CL484	C114	87-010-404-080		CAP,E 4.7-50 SME
	87-001-607-080		C-IC,NJM4558M	C115	87-010-101-080		CAP,E 220-16 SME
	87-A20-200-040		C-IC,HM514260CJ7/CLJ7	C116	87-010-197-080		C-CAP,S 0.01-25 K B
	87-017-726-080		C-IC,BU4052BCF	C117	87-015-819-080		C-CAP,0.01-50 K B
	84-ZG1-640-040		C-IC,LH5317YR	C201	87-012-158-080		C-CAP,S 390P-50 J CH GRM
	87-A20-256-040		C-IC,PQ20VZ5U	C202	87-012-158-080		C-CAP,S 390P-50 J CH GRM
	87-001-985-010		IC,HA12142NF	C203	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A20-247-010		C-IC,BU1417AK	C204	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A20-248-040		C-IC,BU2173F	C205	87-010-426-080		C-CAP,S 0.012-25 K B
	87-002-272-080		C-IC,TC4052BF	C206	87-010-426-080		C-CAP,S 0.012-25 K B
	87-A20-258-040		C-IC,SM5877AM	C207	87-012-156-080		C-CAP,S 220P-50 J CH GRM
	87-020-784-080		C-IC,TC4053BF	C208	87-012-156-080		C-CAP,S 220P-50 J CH GRM
	87-017-888-080		C-IC,NJM4558MD	C211	87-010-404-080		CAP,E 4.7-50 SME
	87-017-915-080		C-IC,BU4094BCF	C212	87-010-404-080		CAP,E 4.7-50 SME
	86-NQ1-618-080		IC,LC866432V-5C02	C213	87-010-101-080		CAP,E 220-16 SME
	87-017-375-080		C-IC,TC4094BF	C214	87-010-197-080		C-CAP,S 0.01-25 K B
	87-002-758-010		IC,HD74HC123AP	C215	87-010-197-080		C-CAP,S 0.01-25 K B
				C301	87-010-322-080		C-CAP,S 100P-50 J CH
				C302	87-010-322-080		C-CAP,S 100P-50 J CH
TRANSISTOR				C303	87-010-183-080		C-CAP,S 2700P-50 K B
	89-111-625-089		C-TR,2SA1162GR	C304	87-010-183-080		C-CAP,S 2700P-50 K B
	87-026-463-080		TR,2SA933S	C305	87-010-404-080		CAP,E 4.7-50 SME
	89-327-125-080		C-TR,2SC2712GR	C306	87-010-404-080		CAP,E 4.7-50 SME
	89-113-625-080		C-TR,2SA1362GR	C323	87-010-178-080		C-CAP,S 1000P-50 K B
	87-026-237-080		C-TR,DTC124XK	C324	87-010-178-080		C-CAP,S 1000P-50 K B
	89-320-011-080		TR,2SC2001K	C346	87-010-404-080		CAP,E 4.7-50 SME
	89-109-521-080		TR,2SA952K	C350	87-010-221-080		CAP,E 470-10 SME
	89-503-685-080		C-PET,2SK368GR	C361	87-010-400-080		CAP,E 0.47-50 SME
	89-332-665-080		TR,2SC3266GR	C362	87-010-400-080		CAP,E 0.47-50 SME
	87-026-470-080		C-TR,HN1C03FB	C363	87-010-400-080		CAP,E 0.47-50 SME
	87-026-580-080		C-TR,DTA123JK	C364	87-010-400-080		CAP,E 0.47-50 SME
	89-333-266-080		C-TR,2SC3326B	C365	87-010-182-080		C-CAP,S 2200P-50 K B
	87-026-233-080		C-TR,DTA114TK	C366	87-010-182-080		C-CAP,S 2200P-50 K B
	89-333-317-880		TR,2SC3331(T/U)	C367	87-010-182-080		C-CAP,S 2200P-50 K B
	89-112-965-080		TR,2SA1296GR	C368	87-010-182-080		C-CAP,S 2200P-50 K B
	89-318-155-080		TR,2SC1815GR	C369	87-010-182-080		C-CAP,S 2200P-50 K B
	87-026-210-080		C-TR,DTC144EK	C370	87-010-182-080		C-CAP,S 2200P-50 K B
	87-026-228-080		C-TR,DTA124EK	C371	87-010-196-080		C-CAP,S 0.1-25 Z F
	87-026-291-080		TR,DTC124XS	C372	87-010-196-080		C-CAP,S 0.1-25 Z F
				C373	87-010-196-080		C-CAP,S 0.1-25 Z F
				C374	87-010-196-080		C-CAP,S 0.1-25 Z F
				C375	87-010-402-080		CAP,E 2.2-50 SME
				C376	87-010-402-080		CAP,E 2.2-50 SME
				C377	87-010-247-080		CAP,E 100-50 SME
DIODE				C378	87-010-401-080		CAP,E 1-50 SME
	87-020-465-080		DIODE,1SS133	C379	87-010-382-080		CAP,E 22-25 SME
	87-020-027-080		C-DIODE,1SS184	C381	87-010-402-080		CAP,E 2.2-50 SME
	87-001-731-080		ZENER,HZS6C2L	C382	87-010-402-080		CAP,E 2.2-50 SME
	87-017-121-080		ZENER,HZS11A1	C401	87-012-156-080		C-CAP,S 220P-50 J CH GRM
	87-020-331-080		C-DIODE,DAN202K	C402	87-012-156-080		C-CAP,S 220P-50 J CH GRM
	87-020-123-080		DIODE,DS446	C403	87-014-071-080		CAP,PP 3900P-100 J
	87-017-091-080		ZENER,HZS5C1	C405	87-010-263-080		CAP,E 100-10 SME
	87-020-339-080		C-DIODE,1SS226	C409	87-010-402-080		CAP,E 2.2-50 SME
	87-017-097-080		ZENER,HZS6B1	C410	87-010-405-080		CAP,E 10-50 SME
	87-A40-180-080		C-DIODE,SB07-015C				

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
C411	87-010-405-080		CAP,E 10-50 SME	C101	87-010-197-080		C-CAP,S 0.01-25 K B
C451	87-010-178-080		C-CAP,S 1000P-50 K B	C102	87-010-550-040		CAP,E 100-6.3 5L SRE
C453	87-010-322-080		C-CAP,S 100P-50 J CH	C103	87-010-318-080		C-CAP,S 47P-50 J CH
C454	87-010-322-080		C-CAP,S 100P-50 J CH	C104	87-010-197-080		C-CAP,S 0.01-25 K B
C511	87-010-404-080		CAP,E 4.7-50 SME	C105	87-010-318-080		C-CAP,S 47P-50 J CH
C519	87-010-404-080		CAP,E 4.7-50 SME	C106	87-010-549-040		CAP,E 47-6.3 5L SRE
C520	87-010-404-080		CAP,E 4.7-50 SME	C107	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C601	87-010-197-080		C-CAP,S 0.01-25 K B	C108	87-010-184-080		C-CAP,S 3300P-50 K B
C602	87-010-318-080		C-CAP,S 47P-50 J CH	C109	87-010-194-080		C-CAP,S 0.047-25 K F
C603	87-010-197-080		C-CAP,S 0.01-25 K B	C111	87-010-197-080		C-CAP,S 0.01-25 K B
C604	87-010-184-080		C-CAP,S 3300P-50 K B	C112	87-016-461-080		C-CAP,S 0.47-16 Z F
C605	87-010-402-080		CAP,E 2.2-50 SME	C113	87-010-196-080		C-CAP,S 0.1-25 Z F
C801	87-010-404-080		CAP,E 4.7-50 SME	C114	87-010-550-040		CAP,E 100-6.3 5L SRE
C802	87-010-381-080		CAP,E 330-16 SME	C115	87-010-197-080		C-CAP,S 0.01-25 K B
C803	87-010-101-080		CAP,E 220-16 SME	C116	87-010-555-040		CAP,E 100-10 5L SRE
C804	87-010-237-080		CAP,E 1000-16 SME	C119	87-010-197-080		C-CAP,S 0.01-25 K B
C805	87-010-198-080		C-CAP,S 0.022-25 K B	C120	87-016-044-040		CAP,E 100-16 5L MA
C902	87-010-405-080		CAP,E 10-50 SME	C121	87-010-197-080		C-CAP,S 0.01-25 K B
C911	87-010-196-080		C-CAP,S 0.1-25 Z F	C122	87-010-075-040		CAP,E 10-16 5L SRE
C914	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	C201	87-010-499-040		CAP,E 22-6.3 5L SRE
L301	87-005-525-080		COIL,22MH J #7159	C202	87-010-197-080		C-CAP,S 0.01-25 K B
L302	87-005-525-080		COIL,22MH J #7159	C203	87-010-196-080		C-CAP,S 0.1-25 Z F
L303	87-003-131-080		COIL,10MH J EL0607	C204	87-010-316-080		C-CAP,S 33P-50 J CH
L304	87-003-131-080		COIL,10MH J EL0607	C205	87-010-316-080		C-CAP,S 33P-50 J CH
L305	87-003-123-080		COIL,2.2MH J EL0607	C206	87-010-499-040		CAP,E 22-6.3 5L SRE
L306	87-003-123-080		COIL,2.2MH J EL0607	C207	87-010-197-080		C-CAP,S 0.01-25 K B
L401	80-VW1-605-110		COIL OSC BIAS 108K	C208	87-010-197-080		C-CAP,S 0.01-25 K B
L801	87-005-474-080		COIL,12UH J FLR50	C209	87-010-197-080		C-CAP,S 0.01-25 K B
LED910	87-070-108-010		LED,SLF-301C-37 YGRN	C210	87-010-197-080		C-CAP,S 0.01-25 K B
LED911	87-070-108-010		LED,SLF-301C-37 YGRN	C211	87-010-197-080		C-CAP,S 0.01-25 K B
R913	87-025-467-080		RES,NF 1-1/4W J	C301	87-010-549-040		CAP,E 47-6.3 5L SRE
SFR101	87-024-349-080		SFR,1K H EVN DJAA03	C302	87-010-549-040		CAP,E 47-6.3 5L SRE
SFR102	87-024-349-080		SFR,1K H EVN DJAA03	C304	87-010-197-080		C-CAP,S 0.01-25 K B
SFR201	87-024-349-080		SFR,1K H EVN DJAA03	C305	87-010-197-080		C-CAP,S 0.01-25 K B
SFR202	87-024-349-080		SFR,1K H EVN DJAA03	C306	87-010-197-080		C-CAP,S 0.01-25 K B
SFR301	87-024-352-080		SFR,4.7K H EVN DJAA03	C307	87-010-197-080		C-CAP,S 0.01-25 K B
SFR302	87-024-352-080		SFR,4.7K H EVN DJAA03	C308	87-010-197-080		C-CAP,S 0.01-25 K B
SFR401	87-024-356-080		SFR,47K H EVN DJAA03	C309	87-010-197-080		C-CAP,S 0.01-25 K B
SFR402	87-024-356-080		SFR,47K H EVN DJAA03	C310	87-010-197-080		C-CAP,S 0.01-25 K B
W301	88-907-271-110		FF-CABLE,7P 1.25	C311	87-010-197-080		C-CAP,S 0.01-25 K B
W401	88-913-181-210		FF-CABLE, 13P 1.25 180MM	C312	87-010-197-080		C-CAP,S 0.01-25 K B
W902	88-909-261-210		FF-CABLE,9P 1.25	C313	87-010-318-080		C-CAP,S 47P-50 J CH
W906	88-906-211-110		FF-CABLE,6P 1.25	C314	87-010-196-080		C-CAP,S 0.1-25 Z F
W911	88-916-201-110		FF-CABLE, 16P 1.25	C315	87-010-196-080		C-CAP,S 0.1-25 Z F
				C316	87-010-549-040		CAP,E 47-6.3 5L SRE
DECK C.B				C320	87-010-196-080		C-CAP,S 0.1-25 Z F
	82-ZM1-625-019		RBN-CORD,4P-55	C321	87-010-550-040		CAP,E 100-6.3 5L SRE
CON501	87-099-756-019		CONN,15P 9604S F	C322	87-010-197-080		C-CAP,S 0.01-25 K B
SFR1	87-024-581-010		SFR,3.3K DIA 6H	C323	87-010-550-040		CAP,E 100-6.3 5L SRE
SOL1	82-ZM1-618-310		SOL ASSY,27	C324	87-010-197-080		C-CAP,S 0.01-25 K B
SOL2	82-ZM1-626-010		SOL ASSY,27K	C401	87-010-197-080		C-CAP,S 0.01-25 K B
SW1	87-036-378-010		SW,PUSH 1-1-1 SH2	C402	87-010-550-040		CAP,E 100-6.3 5L SRE
SW2	87-036-378-010		SW,PUSH 1-1-1 SH2	C403	87-010-197-080		C-CAP,S 0.01-25 K B
SW3	87-036-378-010		SW,PUSH 1-1-1 SH2	C404	87-012-140-080		C-CAP,S 470P-50 J CH
SW4	87-036-378-010		SW,PUSH 1-1-1 SH2	C405	87-010-322-080		C-CAP,S 100P-50 J CH
SW5	87-036-378-010		SW,PUSH 1-1-1 SH2	C406	87-012-140-080		C-CAP,S 470P-50 J CH
SW6	87-036-378-010		SW,PUSH 1-1-1 SH2	C407	87-016-350-040		CAP,E 470-4 5L MA
SW7	87-036-378-010		SW,PUSH 1-1-1 SH2	C408	87-010-196-080		C-CAP,S 0.1-25 Z F
SW8	87-036-378-010		SW,PUSH 1-1-1 SH2	C409	87-010-197-080		C-CAP,S 0.01-25 K B
SW9	87-036-378-010		SW,PUSH 1-1-1 SH2	C410	87-010-197-080		C-CAP,S 0.01-25 K B
HEAD-1 C.B				C411	87-010-550-040		CAP,E 100-6.3 5L SRE
				C412	87-010-197-080		C-CAP,S 0.01-25 K B
				C413	87-010-314-080		C-CAP,S 22P-50 J CH
				C414	87-010-316-080		C-CAP,S 33P-50 J CH
				C418	87-010-197-080		C-CAP,S 0.01-25 K B
HEAD-2 C.B				C421	87-012-140-080		C-CAP,S 470P-50 J CH
W106	89-VW5-612-010		CONN,ASSY 6P MECHA2	C422	87-010-184-080		C-CAP,S 3300P-50 K B
				C423	87-010-854-080		C-CAP,S 560P-50 J CH
				C424	87-010-317-080		C-CAP,S 39P-50 J CH
CD MAIN C.B				C425	87-012-140-080		C-CAP,S 470P-50 J CH

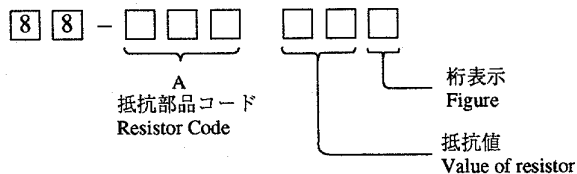
REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
C426	87-010-197-080		C-CAP,S 0.01-25 K B	C605	87-A10-222-040		CAP,AS 22-10 OS
C451	87-010-237-080		CAP,E 1000-16 SME	C606	87-010-196-080		C-CAP,S 0.1-25 Z F
C452	87-010-101-080		CAP,E 220-16 SME	C607	87-012-140-080		C-CAP,S 470P-50 J CH
C453	87-010-404-080		CAP,E 4.7-50 SME	C608	87-010-196-080		C-CAP,S 0.1-25 Z F
C454	87-010-248-080		CAP,E 220-10 SME	C901	87-018-149-080		CAP,TC U 15P-50 J CH UP050
C455	87-010-401-080		CAP,E 1-50 SME	C902	87-012-145-080		C-CAP,S 270P-50 J CH
C456	87-010-401-080		CAP,E 1-50 SME	C941	87-010-196-080		C-CAP,S 0.1-25 Z F
C457	87-010-263-080		CAP,E 100-10 SME	C942	87-010-196-080		C-CAP,S 0.1-25 Z F
C458	87-010-381-080		CAP,E 330-16 SME	C944	87-010-322-080		C-CAP,S 100P-50 J CH
C459	87-010-196-080		C-CAP,S 0.1-25 Z F	C945	87-010-322-080		C-CAP,S 100P-50 J CH
C481	87-010-406-080		CAP,E 22-50 SME	C946	87-010-322-080		C-CAP,S 100P-50 J CH
C482	87-010-406-080		CAP,E 22-50 SME	C953	87-018-209-080		CAP,TC U 0.1-50 Z F UP050
C483	87-010-263-080		CAP,E 100-10 SME	CN951	86-NQ1-617-010		CONN ASSY,5P DA
C484	87-010-408-080		CAP,E 47-50 SME	EMI601	87-008-372-080		FLTR,EMIBL01 RN1
C500	87-010-264-040		CAP,E 100-10 5L SRE	EMI602	87-008-372-080		FLTR,EMIBL01 RN1
C501	87-A10-116-040		CAP,E 330-6.3 GAS	EMI801	87-008-372-080		FLTR,EMIBL01 RN1
C502	87-010-197-080		C-CAP,S 0.01-25 K B	FB501	87-008-372-080		FLTR,EMIBL01 RN1
C504	87-010-196-080		C-CAP,S 0.1-25 Z F	FL901	86-NV1-619-010		FL,7-ST-27G
C505	87-010-313-080		C-CAP,S 18P-50 J CH	J901	81-VP1-634-010		JACK,PIN 3P
C506	87-010-313-080		C-CAP,S 18P-50 J CH	J902	81-VP1-634-010		JACK,PIN 3P
C507	87-010-197-080		C-CAP,S 0.01-25 K B	J903	81-VP1-635-010		JACK,PIN 3P EARTH
C508	87-010-178-080		C-CAP,S 1000P-50 K B	L101	87-005-781-080		C-COIL, 47UH FLC32C
C509	87-010-178-080		C-CAP,S 1000P-50 K B	L202	87-005-781-080		C-COIL, 47UH FLC32C
C510	87-010-178-080		C-CAP,S 1000P-50 K B	L301	87-005-204-080		COIL,47UH K EL0606
C511	87-010-178-080		C-CAP,S 1000P-50 K B	L302	87-005-781-080		C-COIL, 47UH FLC32C
C512	87-010-498-040		CAP,E 10-16 5L SRE	L303	87-005-781-080		C-COIL, 47UH FLC32C
C513	87-010-498-040		CAP,E 10-16 5L SRE	L401	87-005-196-080		COIL,10UH K EL0606KSI
C514	87-010-318-080		C-CAP,S 47P-50 J CH	L402	87-005-781-080		C-COIL, 47UH FLC32C
C515	87-010-318-080		C-CAP,S 47P-50 J CH	L404	87-005-190-080		COIL,3.3UH K EL0606
C516	87-010-381-080		CAP,E 330-16 SME	L405	87-005-189-080		COIL,2.7UH K EL0606
C517	87-010-404-080		CAP,E 4.7-50 SME	L451	87-005-474-080		COIL,12UH J FLR50
C518	87-010-404-080		CAP,E 4.7-50 SME	L601	87-005-469-080		COIL,4.7UH J FLR50
C519	87-010-405-080		CAP,E 10-50 SME	L602	87-A50-095-010		COIL,68UH RCR875D
C520	87-010-405-080		CAP,E 10-50 SME	L901	87-A50-052-010		COIL,CLOCK 5.76MHZ T1
C521	87-012-154-080		C-CAP,S 150P-50 J CH GRM	S101	87-036-109-010		SW,MICRO SPPB61
C522	87-012-154-080		C-CAP,S 150P-50 J CH GRM	S102	87-036-109-010		SW,MICRO SPPB61
C523	87-010-405-080		CAP,E 10-50 SME	S201	87-A90-162-010		SW,SL 1-1-3 SSSU
C524	87-010-316-080		C-CAP,S 33P-50 J CH	VR501	86-NV1-616-010		VR,RTYR 50KBX2 H RKL14K12A0L30
C525	87-012-154-080		C-CAP,S 150P-50 J CH GRM	VR502	81-MX4-636-010		VR,50KBX2 RKL14K12A0
C526	87-012-154-080		C-CAP,S 150P-50 J CH GRM	X201	87-A70-027-080		VIB,XTAL 8.0MHZ-100PPM
C527	87-010-387-080		CAP,E 470-25 SME	X401	87-A70-026-080		VIB,XTAL 13.5MHZ-50PPM
C528	87-010-384-080		CAP,E 100-25 SME	X501	87-030-270-080		VIB,XTAL 16.9344MHZ HC-49/U03
C529	87-010-374-080		CAP,E 47-10 SME				
C531	87-010-316-080		C-CAP,S 33P-50 J CH				
C533	87-012-157-080		C-CAP,S 330P-50 J CH GRM	KEY1 C.B			
C534	87-012-157-080		C-CAP,S 330P-50 J CH GRM	LED901	87-017-717-010		LED,SEL2510C PGRN
C535	87-012-154-080		C-CAP,S 150P-50 J CH GRM	LED902	87-017-717-010		LED,SEL2510C PGRN
C536	87-012-154-080		C-CAP,S 150P-50 J CH GRM	LED903	87-017-717-010		LED,SEL2510C PGRN
C537	87-010-405-080		CAP,E 10-50 SME	LED904	87-017-717-010		LED,SEL2510C PGRN
C538	87-010-198-080		C-CAP,S 0.022-25 K B	LED905	87-017-717-010		LED,SEL2510C PGRN
C539	87-010-196-080		C-CAP,S 0.1-25 Z F	LED906	87-017-717-010		LED,SEL2510C PGRN
C540	87-010-196-080		C-CAP,S 0.1-25 Z F	S901	87-A90-095-080		SW,TACT EVQ11G04M
C541	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	S902	87-A90-095-080		SW,TACT EVQ11G04M
C542	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	S903	87-A90-095-080		SW,TACT EVQ11G04M
C543	87-010-316-080		C-CAP,S 33P-50 J CH	S904	87-A90-095-080		SW,TACT EVQ11G04M
C544	87-010-221-080		CAP,E 470-10 SME	S905	87-A90-095-080		SW,TACT EVQ11G04M
C545	87-010-221-080		CAP,E 470-10 SME	S906	87-A90-095-080		SW,TACT EVQ11G04M
C546	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	S907	87-A90-095-080		SW,TACT EVQ11G04M
C547	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	S908	87-A90-095-080		SW,TACT EVQ11G04M
C548	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	S909	87-A90-095-080		SW,TACT EVQ11G04M
C551	87-010-374-080		CAP,E 47-10 SME	S910	87-A90-095-080		SW,TACT EVQ11G04M
C552	87-010-374-080		CAP,E 47-10 SME				
C554	87-010-805-089		C-CAP,S 1-16F	KEY2 C.B			
C598	87-018-209-080		CAP,TC U 0.1-50 Z F UP050				
C599	87-010-196-080		C-CAP,S 0.1-25 Z F	LED907	87-002-787-080		LED,SEL6215S RED
C600	87-018-209-080		CAP,TC U 0.1-50 Z F UP050	LED908	87-002-787-080		LED,SEL6215S RED
C601	87-016-044-040		CAP,E 100-16 5L MA	LED909	87-002-787-080		LED,SEL6215S RED
C602	87-010-432-010		CAP,AS 10-16 M SC	S912	87-A90-095-080		SW,TACT EVQ11G04M
C603	87-010-196-080		C-CAP,S 0.1-25 Z F	S913	87-A90-095-080		SW,TACT EVQ11G04M
C604	87-010-196-080		C-CAP,S 0.1-25 Z F				

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
S914	87-A90-095-080		SW, TACT EVQ11G04M	C128	87-010-549-089		CAP ELECT 47-6.3V
S915	87-A90-095-080		SW, TACT EVQ11G04M	C129	87-010-182-089		C-CAP, S 2200P-50 B
S916	87-A90-095-080		SW, TACT EVQ11G04M	C131	87-010-196-089		C-CAP, S 0.1-25 F
				C133	87-010-196-089		C-CAP, S 0.1-25 F
				C134	87-010-196-089		C-CAP, S 0.1-25 F
LED C.B							
LED101	87-070-200-080		LED, SLP-636C-81-S-T1 ORN	C135	87-010-196-089		C-CAP, S 0.1-25 F
LED102	87-017-350-080		LED, SEL1550CM PGRN	C136	87-010-197-089		C-CAP, S 0.01-25 B
LED103	87-017-350-080		LED, SEL1550CM PGRN	C137	87-010-805-089		C-CAP, S 1-16F
LED104	87-070-200-080		LED, SLP-636C-81-S-T1 ORN	C138	87-010-178-089		C-CAP, S 1000P-50 B
				C151	87-010-196-089		C-CAP, S 0.1-25 F
CD MECHA C.B							
C101	87-010-313-080		C-CAP, S 18P-50 J CH	C152	87-010-402-010		CAP, E 2.2-50 SME
C102	87-010-193-089		C-CAP, S 0.033-25 F	FC4	85-NFT-611-119		FF-CABLE, 16P-1.0
C103	87-010-993-089		C-CAP, S 0.056-25	M101	87-045-356-019		MOT, RF-310T A 30
C104	87-010-993-089		C-CAP, S 0.056-25	M102	87-045-358-019		MOT, RF-310T A 43
C105	87-A10-201-020		C-CAP, S 0.33-16K B	R140	87-022-364-089		C-RES, S82K-1/10WF
C107	87-010-197-089		C-CAP, S 0.01-25 B	R141	87-022-361-080		C-RES, S 47K-1/10W F
C108	87-010-805-089		C-CAP, S 1-16F	R142	87-022-361-080		C-RES, S 47K-1/10W F
C109	87-012-140-080		C-CAP, S 470P-50 J CH	R143	87-022-361-080		C-RES, S 47K-1/10W F
C110	87-016-081-080		C-CAP, S 0.1-16 K R	R144	87-022-361-080		C-RES, S 47K-1/10W F
C111	87-010-549-089		CAP ELECT 47-6.3V	R145	87-022-364-089		C-RES, S82K-1/10WF
				SFR101	87-024-175-089		SFR, 47K DIA6 V
C112	87-010-322-089		C-CAP, S 100P-50 CH	SFR102	87-024-176-089		SFR, 100K DIA6 V
C113	87-010-196-089		C-CAP, S 0.1-25 F	SFR103	87-024-175-089		SFR, 47K DIA6 V
C114	87-010-197-089		C-CAP, S 0.01-25 B	SW101	87-A90-042-010		SW, LEAF MSW-17310MVPO
C115	87-012-141-089		C-CAP, S 0.22-16 F	T-T C.B			
C116	87-010-186-020		C-CAP, S 4700P-50 K B	C401	87-018-214-089		CAP TC U 0.1-50 F
				FC401	84-ZG1-614-119		CABLE FFC 5P-1.25
C117	87-012-141-089		C-CAP, S 0.22-16 F	M401	87-045-364-019		MOTOR, (BCH3B14)
C118	87-010-196-089		C-CAP, S 0.1-25 F	PS401	87-026-573-019		P-SNSR, GP1S53V
C119	87-010-196-089		C-CAP, S 0.1-25 F				
C120	87-010-549-089		CAP ELECT 47-6.3V				
C121	87-010-549-089		CAP ELECT 47-6.3V				
C122	87-010-495-080		CAP, E 2.2-50 5L SRE				
C123	87-010-549-089		CAP ELECT 47-6.3V				
C125	87-010-553-089		CAP, E 47-16				
C126	87-010-197-089		C-CAP, S 0.01-25 B				
C127	87-010-553-089		CAP, E 47-16				

○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

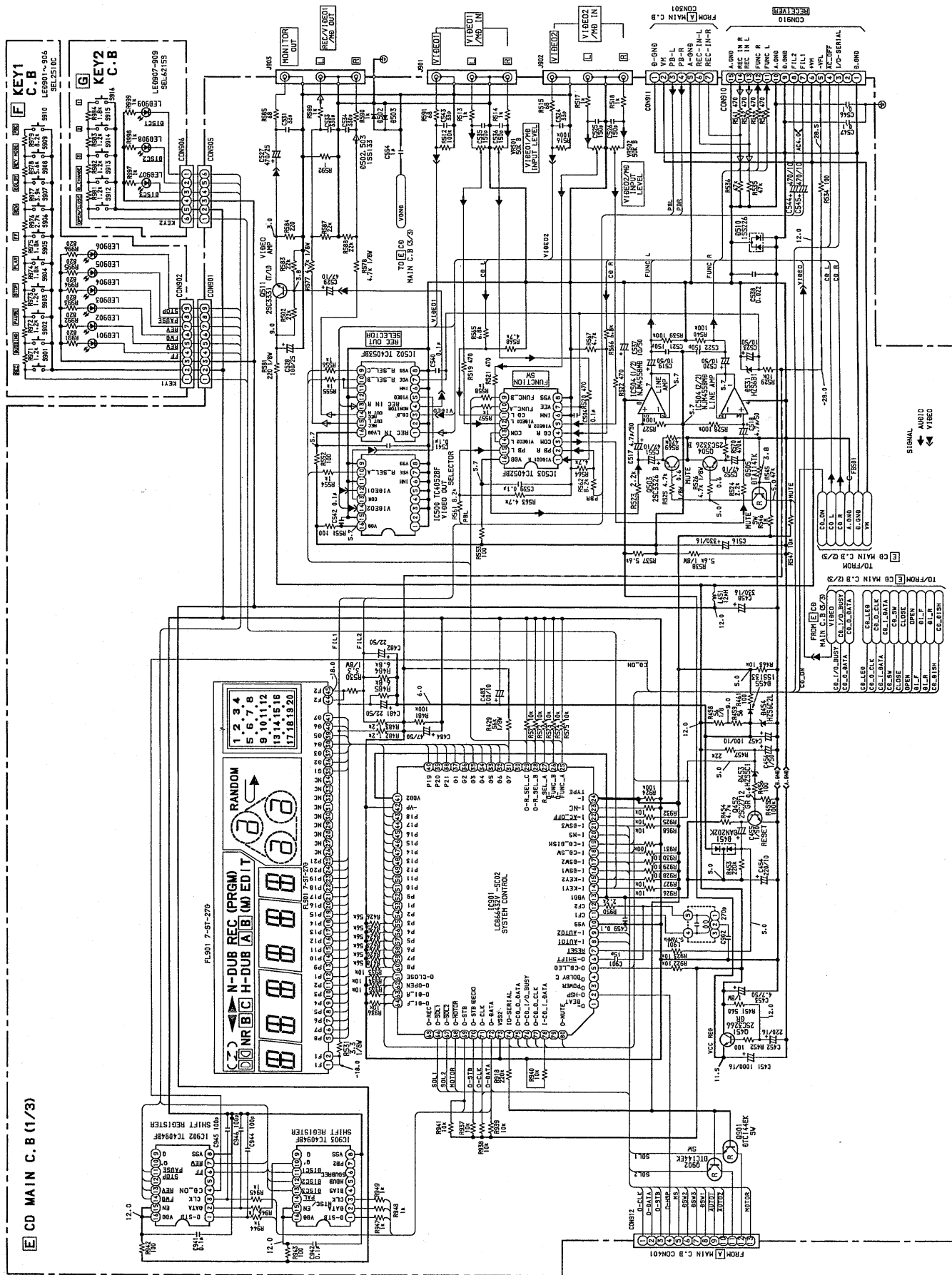
Chip Resistor Part Coding



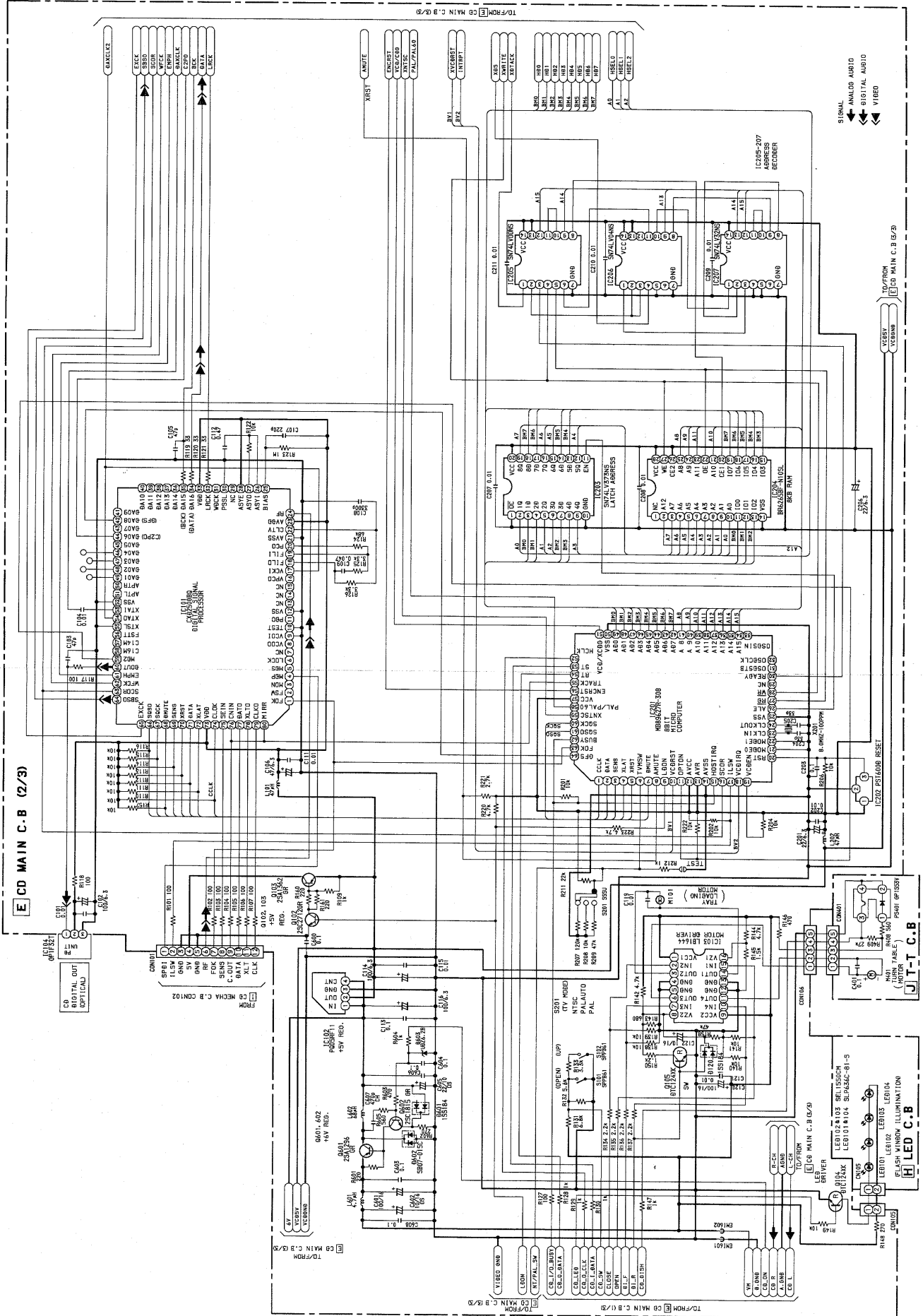
チップ抵抗
Chip resistor

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	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

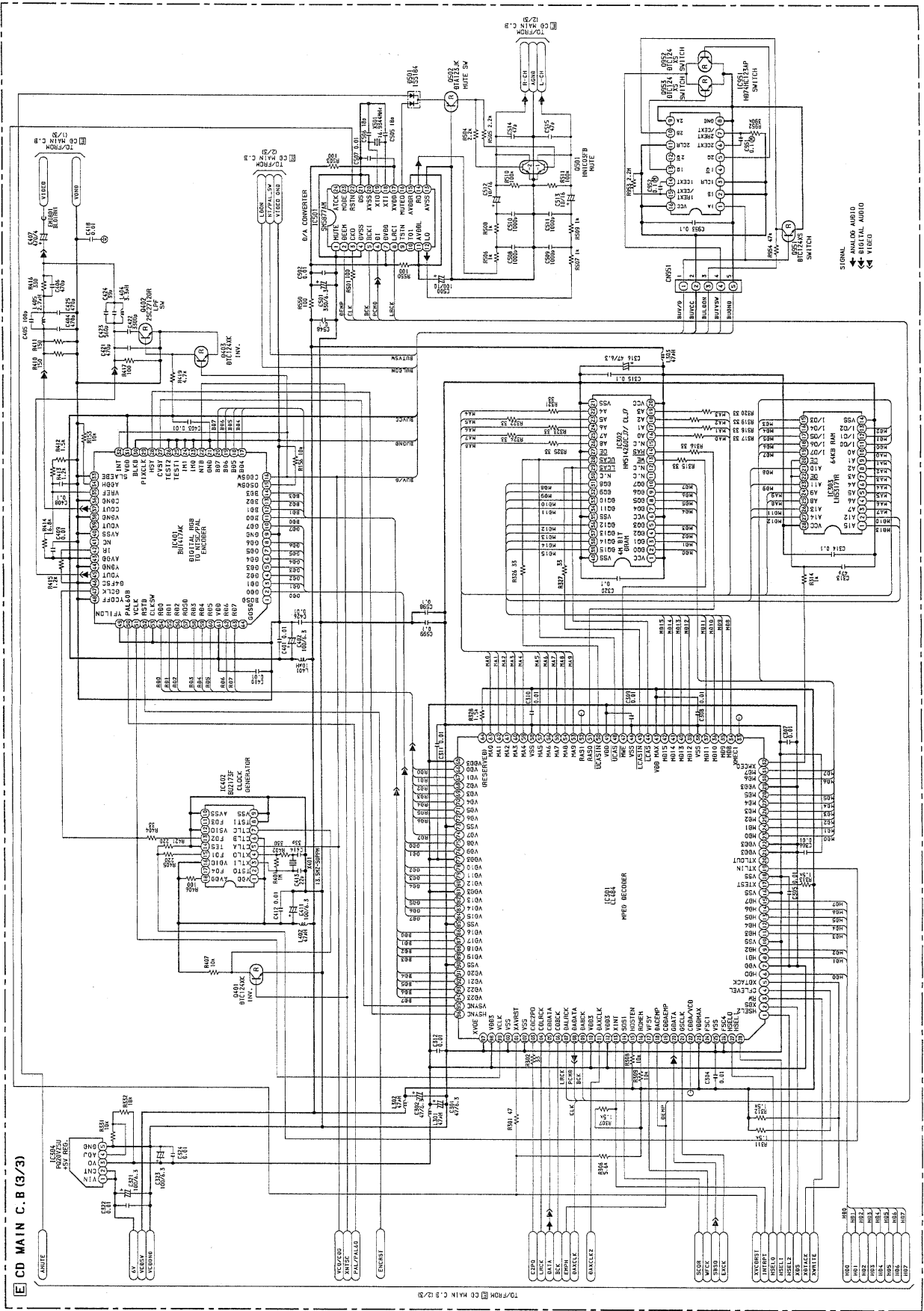
SCHEMATIC DIAGRAM-1 (CD MAIN (1/3) / KEY1 / KEY2)

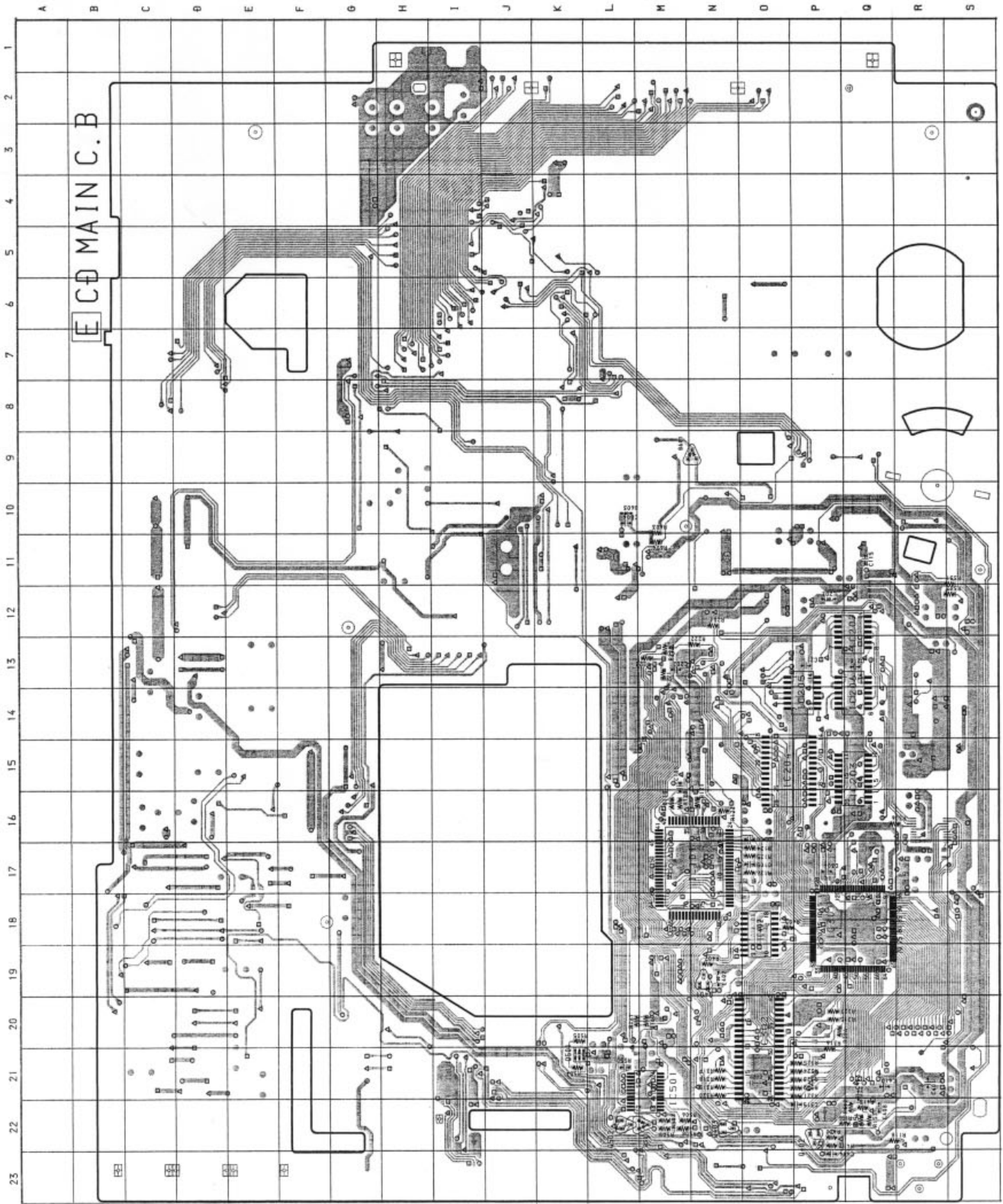


SCHEMATIC DIAGRAM-2 (CD MAIN (2/3) / LED / T-T)



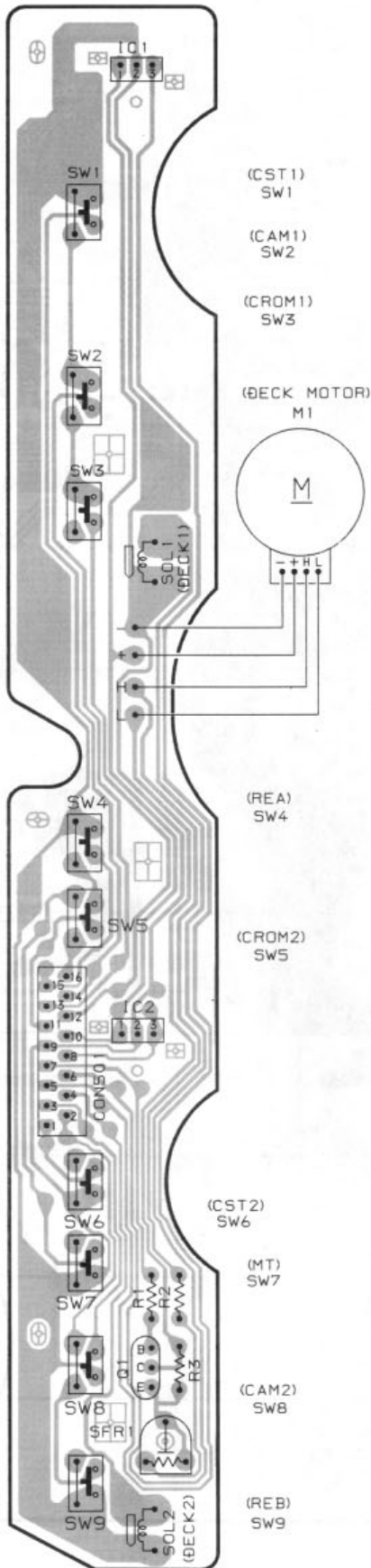
SCHEMATIC DIAGRAM-3 (CD MAIN (3/3))



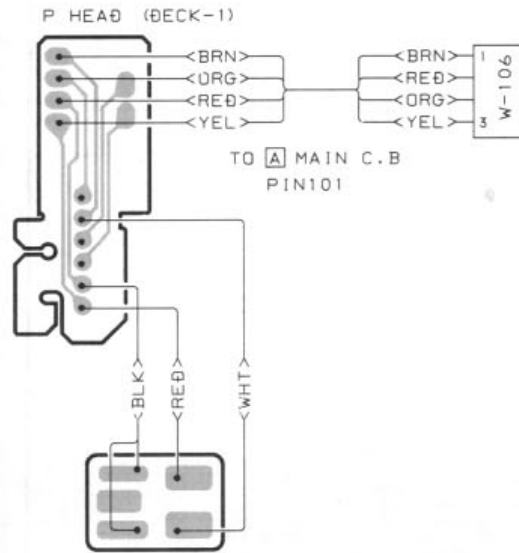


1 2 3 4 5 6 7

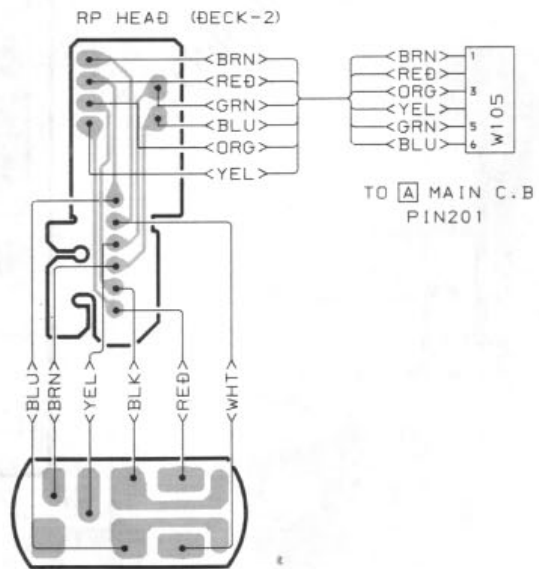
B DECK C. B



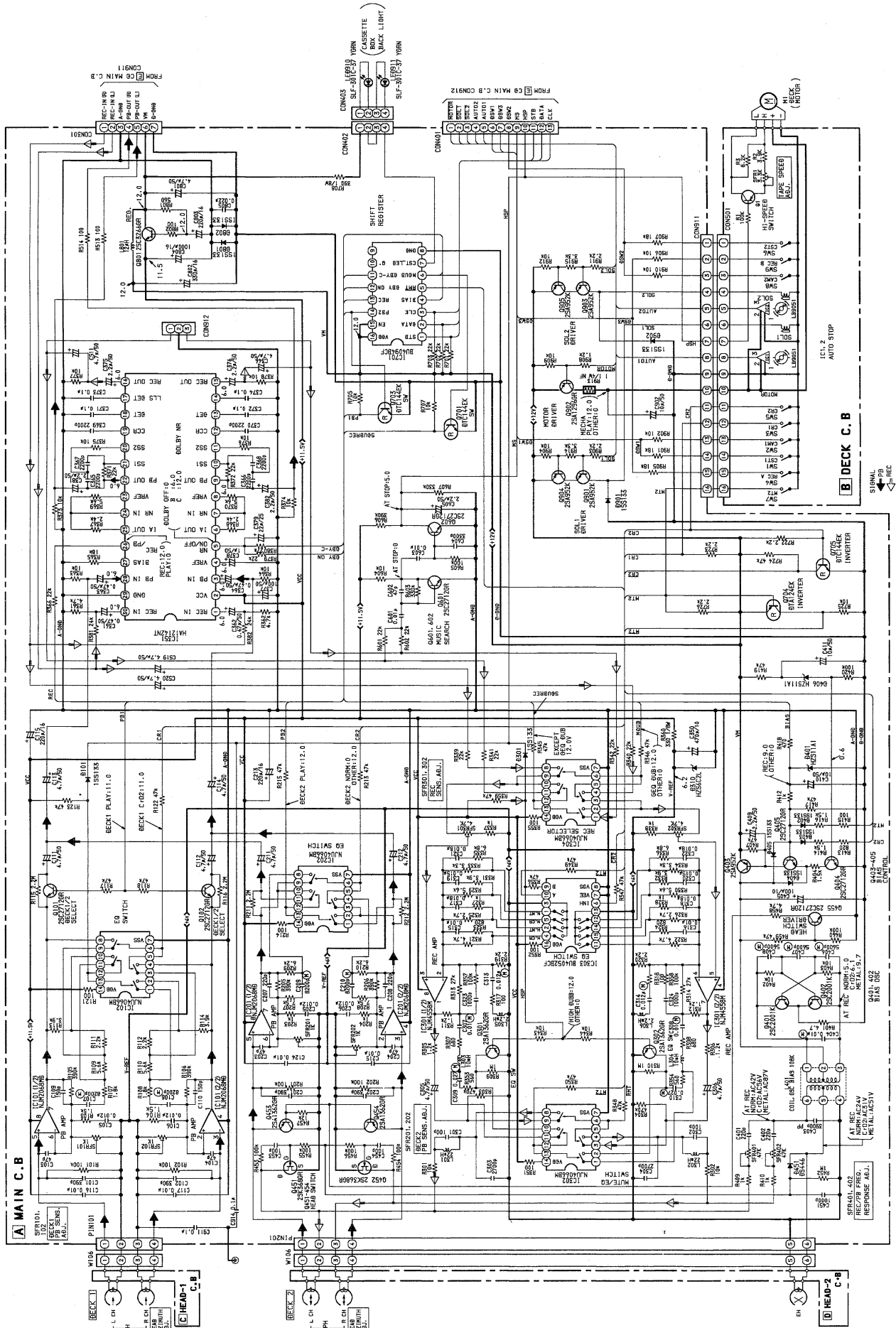
C HEAD-1 C. B



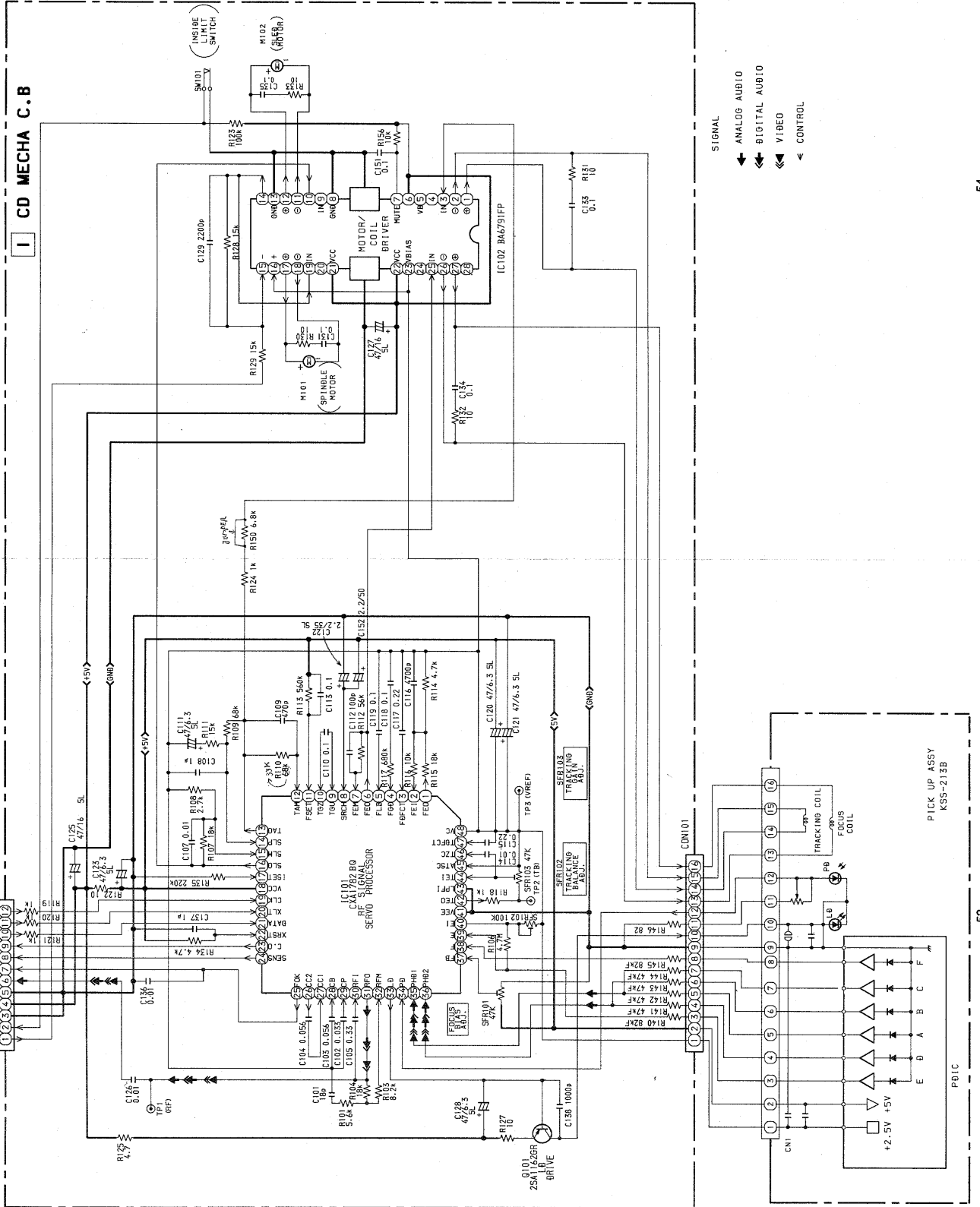
D HEAD-2 C. B



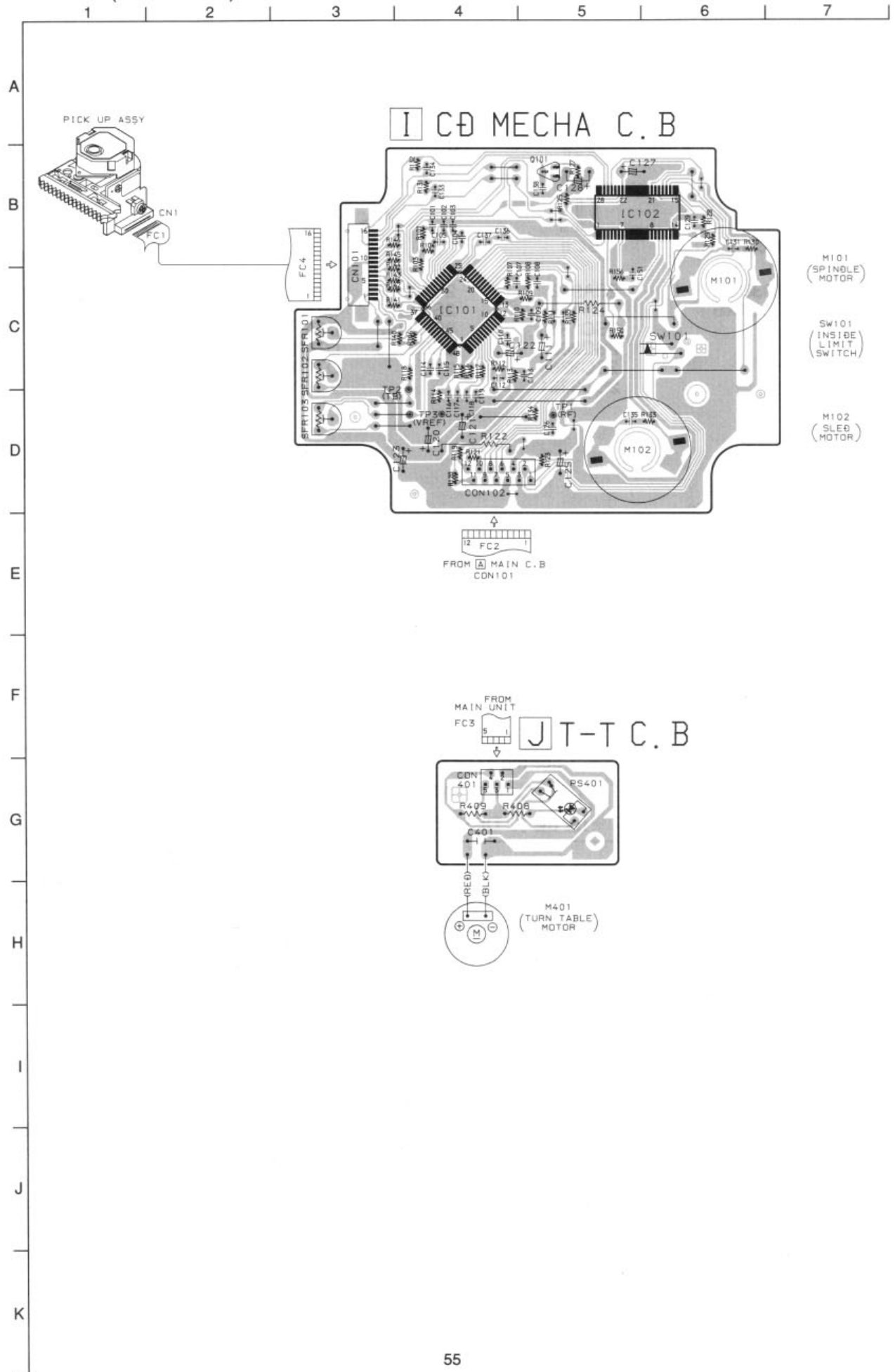
SCHEMATIC DIAGRAM-4 (MAIN / DECK / HEAD-1 / HEAD-2)



SCHEMATIC DIAGRAM-5 (CD MECHA)



WIRING-4 (CD MECHA)



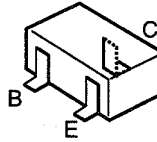
TRANSISTOR ILLUSTRATION



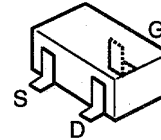
2SA933S
DTC124XS



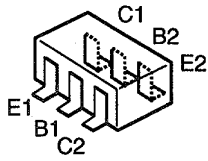
2SA952
2SA1296
2SC1815
2SC2001
2SC3266
2SC3331



2SA1162
2SA1362
2SC2712
2SC3326
DTA114TK
DTA124EK
DTA123JK
DTC124XK
DTC144EK



2SK368



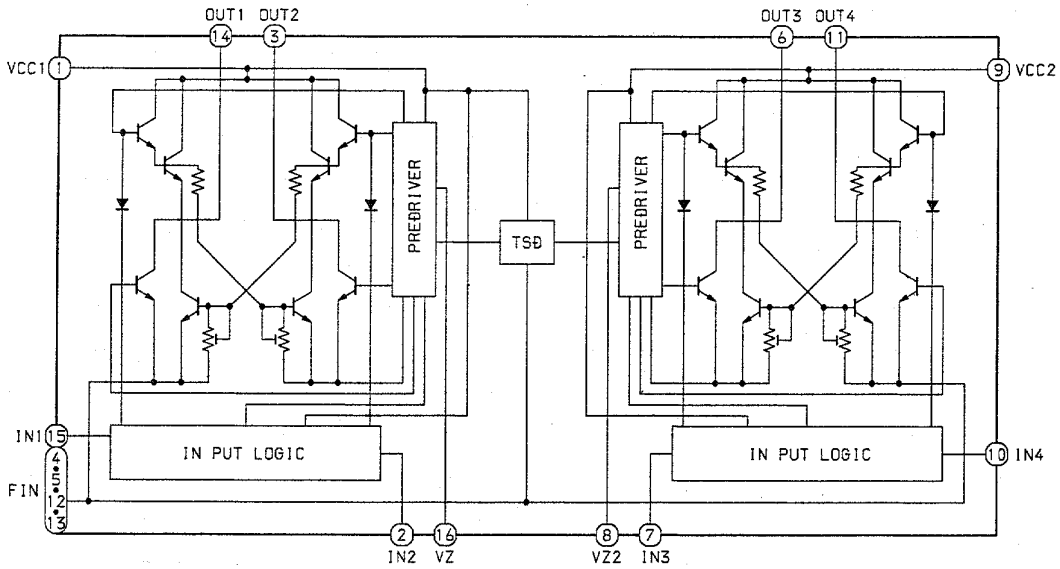
HN1C03

See the 4ZG-1 /1A /1B / 1Z (S/M Code No.09-965-128-10T) for the IC DESCRIPTION below.		
FD-NKH9	4ZG-1 / 1A / 1B / 1Z	
CXD2508AQ	CXD2508AQ	P58~59
CXA1782BQ	CXA1782BQ	P64~65
MB89627R-308	MB89627	P85~86
CL484	CL484	P87~88
BU1417AK	BU1417AK	P89

See the NSX-H9/H90 (S/M Code No.09-966-141-50T) for the IC DESCRIPTION and FL(7-ST-27G)GRID ASSIGNMENT/ANODE CONNECTION below.		
FD-NKH9	NSX-H9/H90(FD-NH9/NH90)	
LC866424V-5C03	LC866432V-5A61	P49~50
FL(7-ST-27G)GRID ASSIGNMENT/ ANODE CONNECTION	FL(7-ST-27G)GRID ASSIGNMENT/ ANODE CONNECTION	P44

IC BLOCK DIAGRAM

IC, LB1644

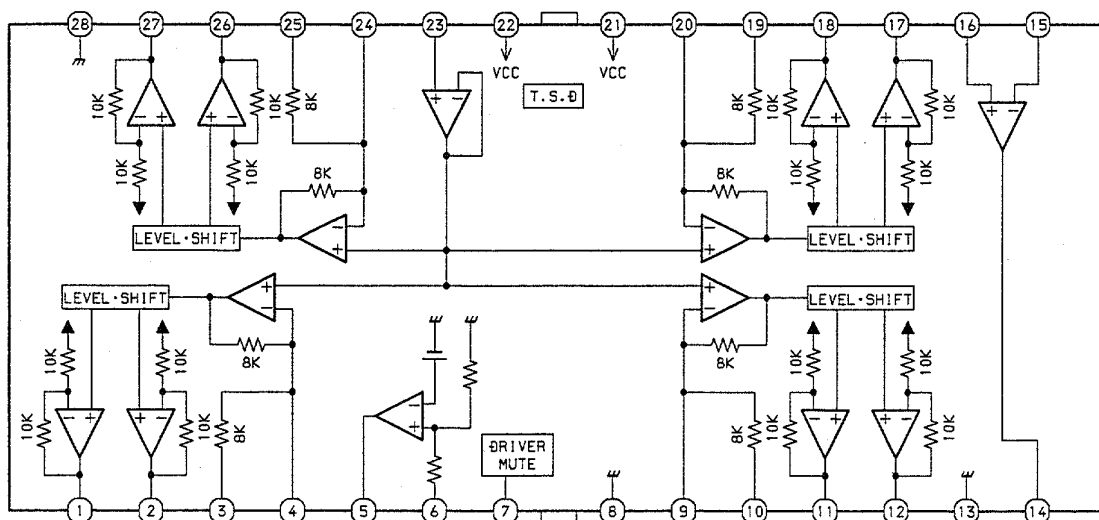


TRUTH TABLE

IN1	IN2	OUT1	OUT2	IN3	IN4	OUT3	OUT4
0	0	L	L	0	0	L	L
1	0	H	L	1	0	H	L
0	1	L	H	0	1	L	H
1	1	L	L	1	1	L	L

INPUT				OUTPUT				MODE	
IN1	IN2,3	IN4	OUT1	OUT2	OUT3	OUT4	M1	M2	
0	0	0	L	L	L	L	BRAKE	BRAKE	
1	0	0	H	L	L	L	FF/REW	BRAKE	
0	1	1	L	H	L	L	REW/FF	BRAKE	
1	1	0	L	L	H	L	BRAKE	FF/REW	
0	0	1	L	L	L	H	BRAKE	REW/FF	
1	1	1	L	L	L	L	BRAKE	BRAKE	

IC, BA6791FP



IC DESCRIPTION

IC, SM5877AM

Pin No.	Pin Name	I/O	Description
1	MUTE	I	MODE = H : Soft-muting ON/OFF terminal. (Muting is ON when "H") MODE = L : Attenuating level DOWN/UP terminal. (DOWN level when "H")
2	DEEN	I	De-emphasis ON/OFF terminal. (De-emphasis is ON when "H")
3	CKO	O	Oscillator clock output. (16.9344MHz)
4	DVSS	-	Digital ground pin.
5	BCKI	I	Bit clock input.
6	DI	I	Serial data input.
7	DVDD	-	Digital VDD terminal.
8	LRCI	I	Sample rate clock (fs) input. (Lch when "H", Rch when "L")
9	TSTN	I	LSI test input. (Test when "L")
10	TO1	O	Test output 1. (Normally output level is "L")
11	AVDDL	-	Analog VDD terminal. (for Lch)
12	LO	O	Lch analog output.
13	AVSS	-	Analog ground pin.
14	RO	O	Rch analog output.
15	AVDDR	-	Analog VDD terminal. (for Rch)
16	MUTE O	O	Infinity zero detect output.
17	XVDD	-	X'tal system VDD terminal.
18	XTI	I	X'tal oscillation terminal. (Or, external clock input, 16.9344MHz)
19	XTO	O	X'tal oscillation terminal.
20	XVSS	-	X'tal system ground pin.
21	DS	I	Dual speed/normal speed playback switching terminal (Dual speed when "H")
22	RST	I	Reset terminal. (Reset when "L")
23	MODE	I	Soft-muting mode/Attenuating mode switching terminal. (Soft-muting mode when "H")
24	ATCK	I	Attenuating level setting clock (Ignored when "H")

TEST MODE

1. How to Activate CD Test Mode

Insert the AC plug while pressing the function CD button.
All FL display tubes will light up, and the test mode will be activated.

2. How to Cancel CD Test Mode

Either one of the following operations will cancel the CD test mode.

- Press the function button.
- Press the power switch button. (except CD function button)
- Disconnect the AC plug

3. CD Test Mode Functions

When test mode is activated, the following mode functions from No.1 to No.5 can be used by pressing the operation keys.

Mode/No.	Operation	FL display	Operation	Contents
No.1	Start mode Activation	All FLs light	<ul style="list-style-type: none"> • Test mode is activated. • Laser diode turns always ON. (CD block power is ON.) 	<ul style="list-style-type: none"> • FL display check (All displays light.) • APC circuit check • Laser current measurement (Laser current control. Across a resistor connected between emitter and GND.)
No.2	Search mode ■ key		<ul style="list-style-type: none"> • Continual focus search (The pickup lens repeats the full-swing up-down motion.) * Avoid continual searches that last for more than 10 minutes. * NOTE 1 	FOCUS SERVO <ul style="list-style-type: none"> • Check focus search waveform • Check focus error waveform (FOK/FZC are not monitored in the search mode)
No.3	Play mode ◀▶ key		<ul style="list-style-type: none"> • Normal playback • Focus search is continued if TOC cannot be read. * NOTE 1 	FOCUS SERVO/TRACKING SERVO CLV SERVO/SLED SERVO Check FOK/FZC
No.4	Traverse mode key		<ul style="list-style-type: none"> • During normal disc playback Press once; tracking servo OFF Press twice; tracking servo ON * NOTE 2 	TRACKING SERVO ON/OFF Tracking balance (traverse) adjustment
No.5	Sled mode ◀◀ key ▶▶ key	All FLs light	<ul style="list-style-type: none"> • Pickup moves to the outermost track • Pickup moves to the innermost track * NOTE 3 (During playback, machine operates normally.) 	SLED SERVO Check SLED mechanism operation

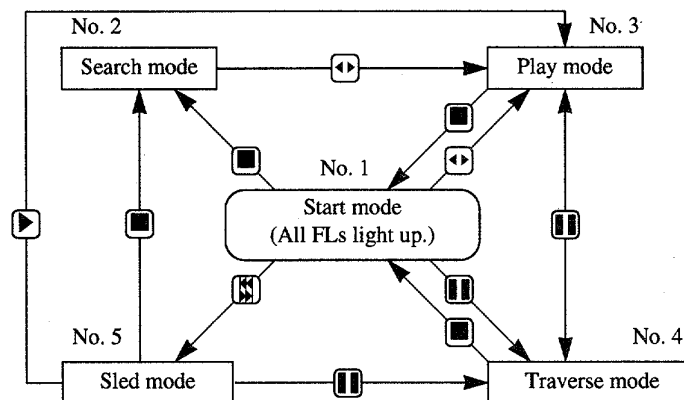
* NOTE 1: There are cases when the tracking servo cannot be locked owing to the protection circuit being operated when heat builds up in the driver IC if the focus search is operated continually for more than 10 minutes. In these cases the power supply should be switched off for 10 minutes until heat has been reduced and then re-started.

* NOTE 2: Do not press the ◀◀ or ▶▶ keys when the machine is in the || status is active. If they are pressed, playback will not be possible after the || status has been canceled. If the ◀◀ or ▶▶ keys are pressed in the || status, press the ■ key and return to the start mode (No.1).

* NOTE 3: When pressing the ◀◀ or ▶▶ keys, take care to avoid damage to the gears. Because the sled motor is activated when the ◀◀ or ▶▶ keys are pressed, even when the pick-up is at the outermost or innermost track.

4. Operation Outline

The operation of each mode is carried out in the direction of the arrows from the start mode as indicated in the following illustration.

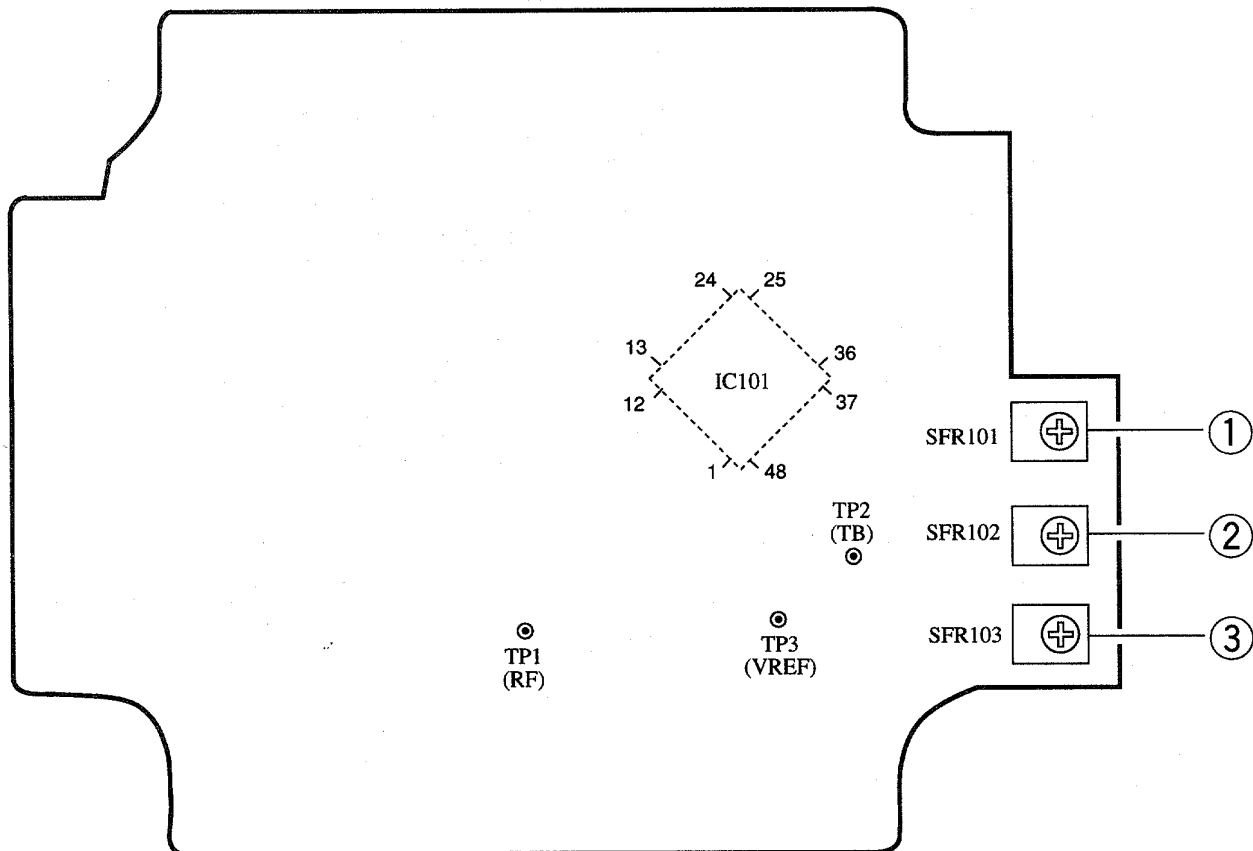


If the DISC DIRECT PLAY button is pressed, the machine performs the same operation as the PLAY button is pressed as shown. If the tray is opened by pressing OPEN/CLOSE button during Play mode or Traverse mode, the machine returns to the Start mode.

ELECTRICAL ADJUSTMENT

<CD SECTION>

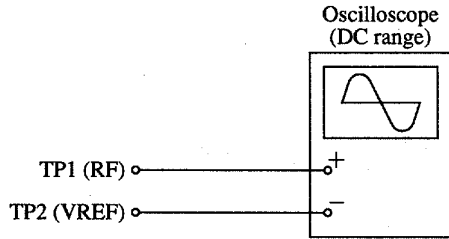
I CD MECHA C.B



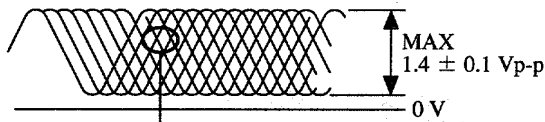
Note: Connect a probe (10: 1) of the oscilloscope or the frequency counter to a test point.

1. Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.



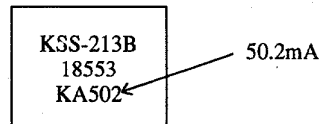
- 1) Connect an oscilloscope to test points TP1 (RF) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Adjust SFR101 so that RF signal of test point TP1 (RF) is MAX and CLEARREST.



EYE PATTERN must be CLEAR and MAX

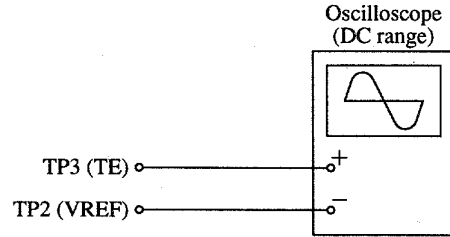
VOLT/DIV : 50mV
TIME/DIV : 0.5μS

Note: The current of the laser signal can be checked with the voltages on both sides of R127 (10Ω). The difference for the specified value shown on the level must be within ± 6.0 mA.

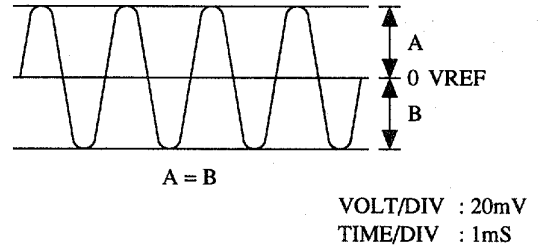


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R127}}{10\Omega}$$

2. Tracking Balance Adjustment



- 1) Connect an oscilloscope to test points TP3 (TE) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and press the PLAY button.
- 4) Adjust SFR103 to decrease the tracking gain.
- 5) Adjust SFR102 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
- 6) After the adjustment is completed, remove the connected lead wires from the terminals.



3. Tracking Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when 2-axis device operates. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise increases when the 2-axis device operates.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

When the gain adjustment is off, the symptoms below appear.

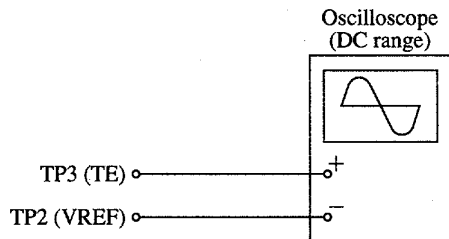
Symptoms \ Gain	(Focus)	Tracking
● The time until music starts becomes longer for STOP → PLAY or automatic selection (◀▶ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
● Music does not start and disc continues to rotate for STOP → PLAY or automatic selection (◀▶ buttons pressed.)	—	low
● Disc stops to rotate shortly after STOP → PLAY.	low or high	—
● Sound is interrupted during PLAY. Or time counter display stops.	—	low
● More noises during the 2-axis device operation.	high	high

The following is simple adjustment method.

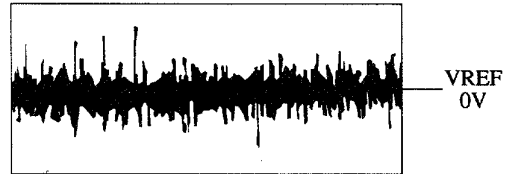
— Simple adjustment —

Note: Since the exact adjustment cannot be performed, remember the positions of the controls before the performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:



- 1) Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
- 2) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 3) Connect an oscilloscope to TP3 (TE), TP2 (VREF) of the CD MECHA C.B.
- 4) Adjust SFR103 so that the waveform appears as shown in the figure below. (tracking gain adjustment)

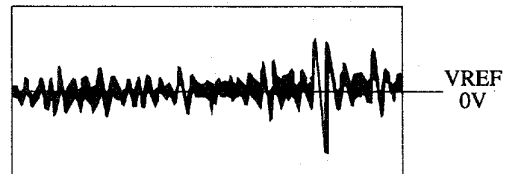


VOLT/DIV: 50 mV
TIME/DIV: 1ms

- Incorrect example

Low tracking gain

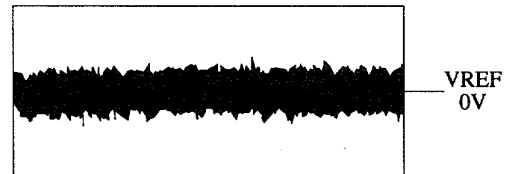
The fundamental wave appears as compared with the waveform adjusted.



VOLT/DIV: 50 mV
TIME/DIV: 1ms

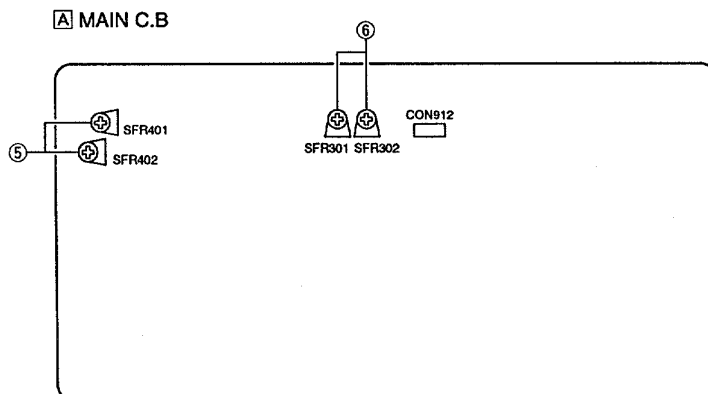
High tracking gain

The frequency of the fundamental wave is higher than that in low gain.

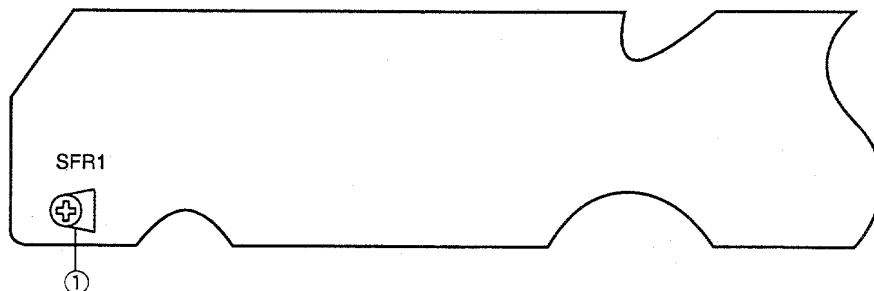


VOLT/DIV: 50 mV
TIME/DIV: 1ms

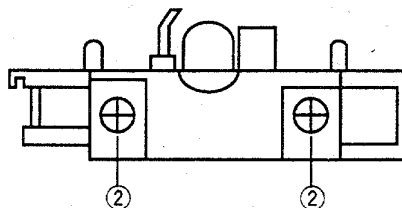
<DECK SECTION>



B DECK C.B



DECK R/P E HEAD



1. Tape Speed Check

Settings : • Test tape : TTA-100
 • Test point : TP CONN 3P (CON 912)
 • Adjustment location : SFR1

Method : Play back the test tape and check for $3000\text{Hz} \pm 5\text{Hz}$.

(NOTE) : RVS SIDE SPEED SPECIFICATION
 FWD SIDE SPECIFICATION $\pm 45\text{Hz}$

2. Head Azimuth Adjustment (DECK 1,2)

Settings : • Test tape : TTA-300
 • Test point : TP CONN 3P (CON 912)
 • Adjustment location : Head azimuth
 adjustment screw

Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.

3. PB Sensitivity Check (DECK 1,2)

Settings : • Test tape : TTA-200
 • Test point : TP CONN 3P (CON 912)

Method : Playback the test tape and check for output level becomes $300\text{mV} \pm 5\text{mV}$.

4. PB Frequency Response Check

Settings : • Test tape : TTA-300
 • Test point : TP CONN 3P (CON 912)

Method : Play back the 315Hz and 10kHz signals of the test tape and check output difference to within $0\text{dB} \pm 2\text{dB}$, and the 10kHz signal with respect to that of the 315Hz signal is 2dB.

5. REC / PB Frequency Response Adjustment

Settings : • Test tape : TTA-602
 • Test point : TP CONN 3P (CON 912)
 • Input signal : 1kHz/10kHz (VIDEO2/AUX IN)
 • Adjustment location : SFR401(Lch)
 SFR402(Rch)

Method : Establish the record mode. Adjust the CON 912 signal to 210mV and attenuate to -20dB. Record and playback 1kHz and 10kHz. Adjust SFR so that level difference between 1kHz and 10kHz is $0\text{dB} \pm 0.3\text{dB}$.

6. REC/PB Sensitivity Adjustment (DECK 2)

Settings : • Test tape : TTA-602
 • Test point : TP CONN 3P (CON 912)
 • Input signal : 1kHz/10kHz (VIDEO2/AUX IN)
 • Adjustment location : SFR301 (Lch)
 SFR302 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP CONN 3P(CON 912) becomes 21mV. Record and playback the 1kHz signal and adjust SFRs so that the output is $21\text{mV} \pm 0.5\text{dB}$.

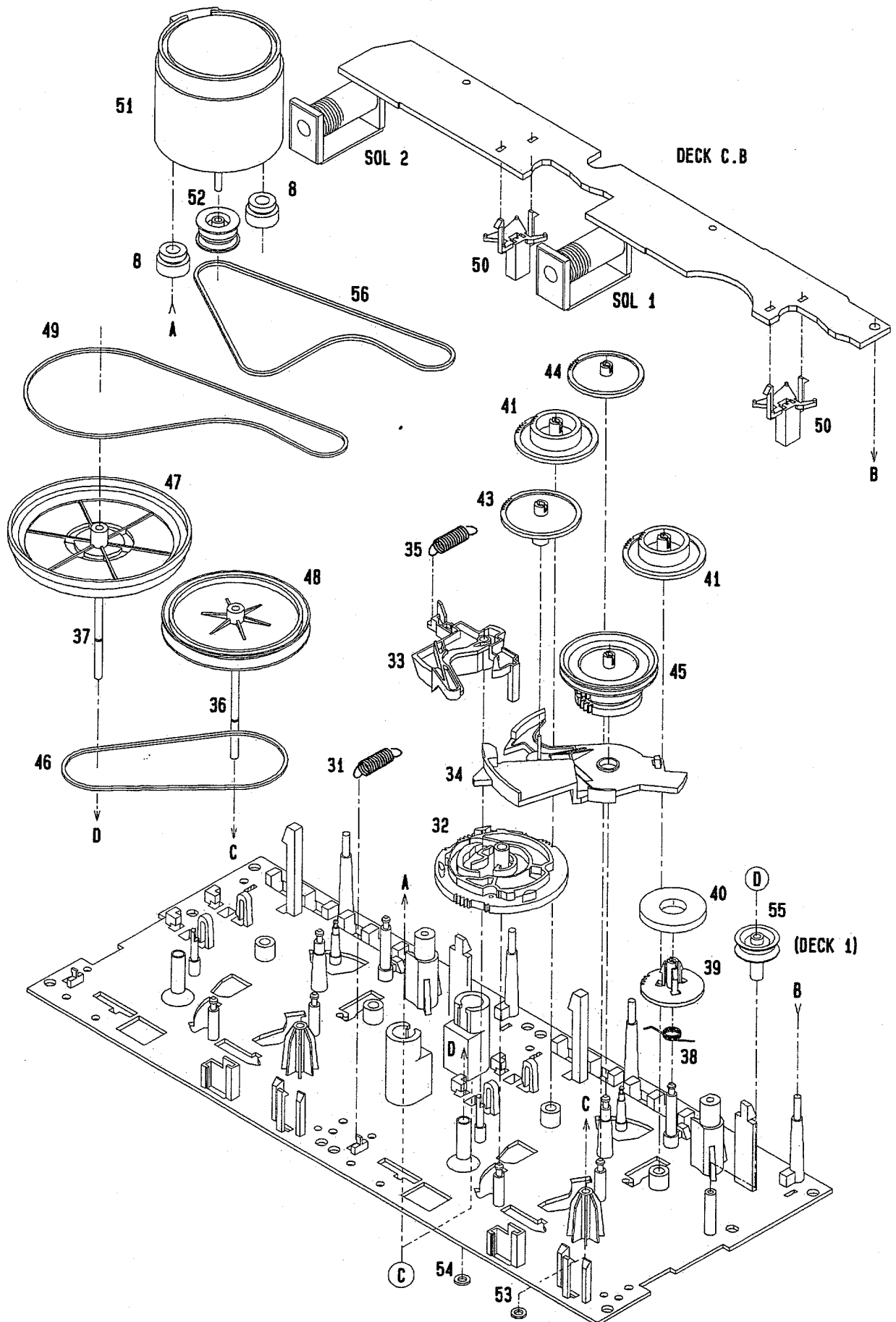
PRACTICAL SERVICE FIGURE <DECK SECTION>

Tape speed :	$3000\text{Hz} \pm 45\text{Hz}$
Wow & flutter :	Less than 0.35% (R.M.S)
Take-up torque :	30 ~ 55g-cm (FWD, REV)
F.F & REW torque :	75 ~ 180g-cm
Back tension :	2 ~ 7g-cm (FWD, REV)
Distortion :	Less than 2.0% (PB, AC) Less than 3.0% (REC/PB, AC)
Noise level :	Less than 50mV (PB, AC) Less than 50mV (REC/PB, AC)
Signal to noise ratio :	More than 40dB (PB, AC) More than 38dB (REC/PB, AC)
Erasing ratio :	More than 60dB (at 125Hz)
Test tape :	TTA-602

MECHANICAL 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.	カリ NO.	DESCRIPTION	REF.NO	PART NO.	カリ NO.	DESCRIPTION
1	86-NV1-004-110		BOX, CASS 2	21	86-NQ1-004-010		PANEL, REAR YJBNM
2	83-NV4-202-110		SPR-T, EJECT 2	22	82-NF5-227-010		HLDR, LOCK 2N
3	83-NV4-201-110		SPR-T, EJECT 1	23	86-NV1-010-010		KEY, PLAY
4	86-NV1-009-010		WINDOW, CASS 2	24	86-NV1-013-010		KEY, REC
5	86-NV1-008-010		WINDOW, CASS 1	25	86-NV1-012-010		KEY, DISC
6	82-NE8-032-010		BADGE, AIWA 27.5 ABS GLD	26	87-070-108-010		LED, SLF-301C-37 YGRN
7	86-NV1-003-110		BOX, CASS 1	27	86-NQ1-005-010		KEY, DOLBY
8	86-NQ1-003-010		PANEL, CONTROL	28	85-NC1-019-010		RING, FOOT
9	86-NV1-006-010		WINDOW, DISPLAY	29	82-NF5-226-010		HLDR, LOCK 1N
10	86-NV1-016-010		PANEL, CD	30	82-NF5-228-010		SPR-C, LOCK
11	87-063-165-010		OIL-DMPR, 150	31	82-NF5-229-010		PLATE, LOCK
12	86-NV1-007-010		WINDOW, CD	A	87-067-703-010		BVT2+3-10 W/O SLOT
13	86-NQ1-001-010		CABI, FR	B	87-067-579-010		BVT2+3-8 W/O SLOT
14	86-NV1-011-010		KEY, OPEN	C	87-591-094-410		QIT+3-6
15	82-NV1-213-010		FELT, DIA12-2	D	87-721-094-410		QIT+3-12
16	86-NQ1-002-010		PANEL, TRAY	E	87-067-641-010		UTT2+3-8 W/O SLOT BLK
17	84-ZG1-011-010		REFLECTOR, CD	F	87-571-032-410		VIT+2-3
18	86-NF6-007-010		WINDOW, TOP	G	82-NE8-215-010		W, 4.2-6.8-0.18
19	86-NV1-017-110		CABI, STEEL				
20	80-VT1-202-010		FELT, 12.5-15.5-2				

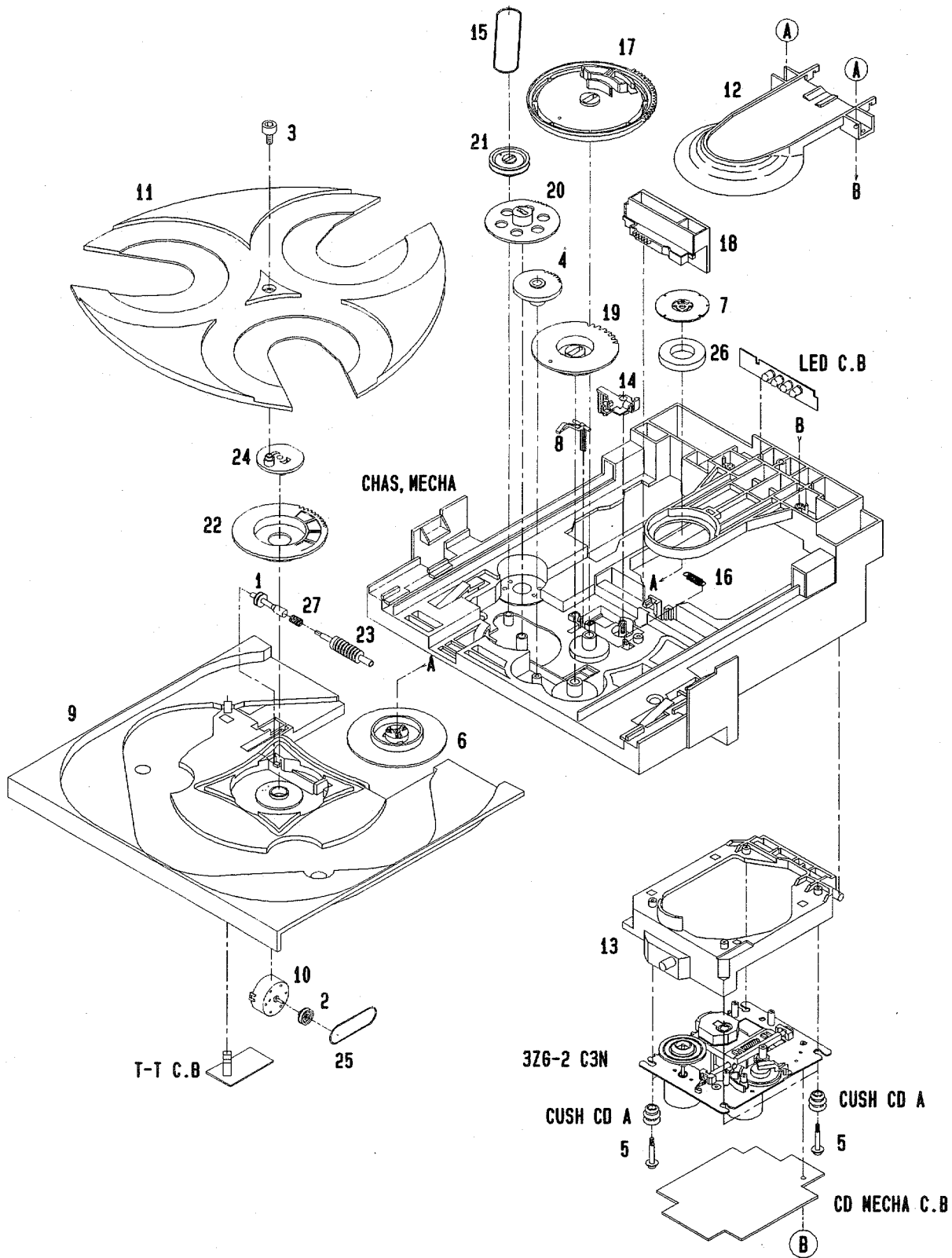


TAPE MECHANISM PARTS LIST 1 / 1

DESCRIPTIONで判断できない物は“REFERENCE NAME LIST”を参照してください。
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REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY, M2	35	82-ZM1-265-119		SPR-E, TRIG
2	82-ZM1-258-110		SPR-T, PINCH L	36	82-ZM1-236-019		CAPSTAN N 2-41.5
3	82-ZM1-345-019		LVR ASSY, PINCH L W	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
4	82-ZM1-333-010		PLATE, LINK 2	38	82-ZM1-322-019		SPR-T, FR60
5	82-ZM1-266-11K		LVR, DIR	39	82-ZM1-220-219		GEAR, IDLER
6	82-ZM1-214-010		SPR-T, DIR	40	82-ZM3-616-019		RING MAGNET 4
7	82-ZM1-206-81K		CHAS, HEAD	41	82-ZM1-216-31K		GEAR, REEL
8	82-ZM3-307-019		CUSH-G, DIA3.7-8-3.2	42	87-046-355-019		HEAD, PH HADKH2529B(PH)
9	82-ZM1-269-219		SPR-T, BRG	42	87-046-356-019		HEAD, RPH HADKH5581B(RPH)
10	82-ZM1-219-119		SPR-T, LINK	43	82-ZM1-225-21K		GEAR, FR
11	82-ZM1-210-119		GEAR, H T	44	82-ZM1-226-019		GEAR, REM
12	82-ZM1-213-019		SPR-T, HEAD	45	82-ZM1-228-810		SLIP DISK ASSY
13	82-ZM1-207-619		GUIDE, TAPE	46	82-ZM1-338-010		BELT FR4
14	82-ZM1-283-310		S-SCREW, AZIMUTH	47	82-ZM1-238-81K		FLY-WHL ASSY, R (DECK 2)
15	82-ZM1-314-119		PLATE, HEAD	47	82-ZM3-210-71K		FLY-WHL ASSY, R2 (DECK 1)
16	82-ZM1-208-119		HLDR, HEAD	48	82-ZM1-235-51K		FLY-WHL ASSY, L (DECK 2)
17	82-ZM1-218-019		SPR-E, HB	48	82-ZM3-208-61K		FLY-WHL ASSY, L2 (DECK 1)
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	49	82-ZM3-329-210		BELT, SBU R2
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	50	82-ZM1-245-210		HLDR, IC
19	82-ZM1-222-21K		LVR, PLAY	51	87-045-347-019		MOT, SHU2L 70(M1)
20	82-ZM1-217-319		REEL TABLE	52	82-ZM3-221-010		PULLEY, MOT 2M
21	82-ZM1-244-510		SPR-C, BT	53	82-ZM1-288-019		SH, 1.63-3.2-0.5 SLT
22	82-ZM1-285-310		SPR-C, BT L	54	80-ZM6-243-019		SH, 1.75-3.6-0.5 SLT
23	82-ZM1-257-019		SPR-T, CAS	55	82-ZM3-304-110		PULLEY, COUPLER (DECK 1)
24	82-ZM1-241-319		LVR, MC	56	82-ZM3-328-110		BELT, SBU P2
25	82-ZM1-242-019		LVR, CAS	57	82-ZM3-216-019		SHAFT, COUPLER N (DECK 1)
26	82-ZM1-243-019		LVR, STOP	A	82-ZM1-315-010		S-SCREW, GUIDE TAPE
27	82-ZM1-346-019		LVR ASSY, PINCH R W	B	80-ZM6-207-019		V+1.6-7
28	82-ZM1-259-110		SPR-T, PINCH R	C	82-ZM3-318-019		S-SCRW MOTOR M2
29	82-ZM1-240-11K		LVR, REC (DECK 2)	D	87-067-972-019		PW, 1.05-3-0.25 SLT
30	82-ZM1-298-010		SPR-P, EARTH				
31	82-ZM1-255-319		SPR-E, LVR DIR				
32	82-ZM3-305-01K		GEAR, CAM M2				
33	82-ZM1-227-21K		LVR, TRIG				
34	82-ZM3-306-11K		LVR, FR M2				

CD MECHANISM EXPLODED VIEW 1 / 2

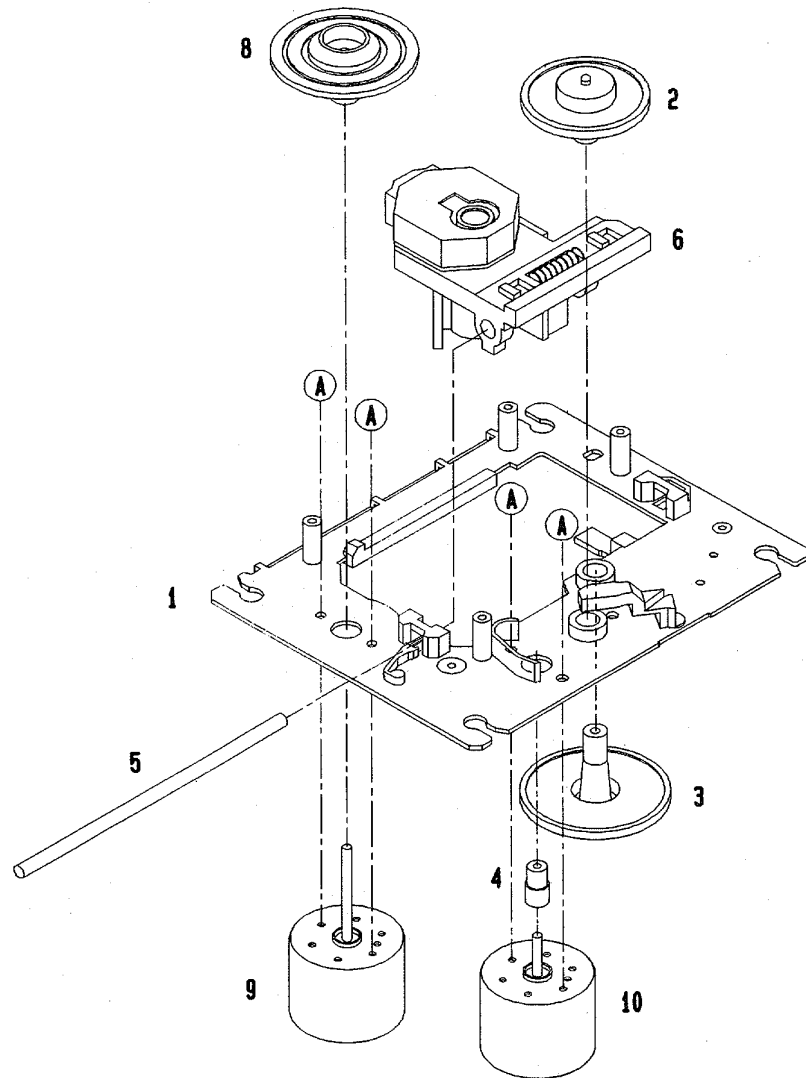


CD MECHANISM PARTS LIST 1 / 2

DESCRIPTIONで判断できない物は“REFERENCE NAME LIST”を参照してください。
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REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	84-ZG1-239-11K		PULLY, WORM N	16	84-ZG1-211-019		SPR-E CAM S
2	81-ZG1-212-01K		PULLY, LOAD MO	17	84-ZG1-215-319		GEAR, MAIN CAM BLU
3	81-ZG1-239-019		S-SCREW, TT	18	84-ZG1-216-219		SLIDE, MECHA CAM YEL
4	81-ZG1-291-019		GEAR, TRAY RELAY NO3	19	84-ZG1-205-119		GEAR, TRAY
5	81-ZG1-271-019		S-SCREW, MECH REAR	20	84-ZG1-206-119		GEAR, RELAY
6	81-ZG1-277-219		HLLDR, MAGNET N	21	84-ZG1-207-019		PULLY, RELAY
7	81-ZG1-255-119		PLATE, MAGNET MK2	22	84-ZG1-221-019		GEAR, MAIN TT
8	83-ZG3-213-019		LVR, SW	23	84-ZG1-238-01K		GEAR, WORM N
9	84-ZG1-003-219		TRAY, NO2-B	24	84-ZG1-224-019		LEVER, TT
10	87-045-364-019		MOTOR, (BCH3B14)	25	84-ZG1-225-010		BELT, SQ1.0-63.3
11	84-ZG1-005-119		TURNTABLE, NO1	26	87-036-326-010		MAGNET, CLAMPER 93
12	84-ZG1-011-019		REFLECTOR, CD	27	84-ZG1-248-019		SPR-C, WORM
13	84-ZG1-212-119		HLLDR, MECHA NO2	A	87-067-703-019		BVT2+3-10 (W/O SLOT)
14	84-ZG1-208-019		LEVER, CAM	B	87-342-036-219		UT2+2-8
15	84-ZG1-209-010		BELT, SQ1.8-117.7				

CD MECHANISM EXPLODED VIEW 2 / 2

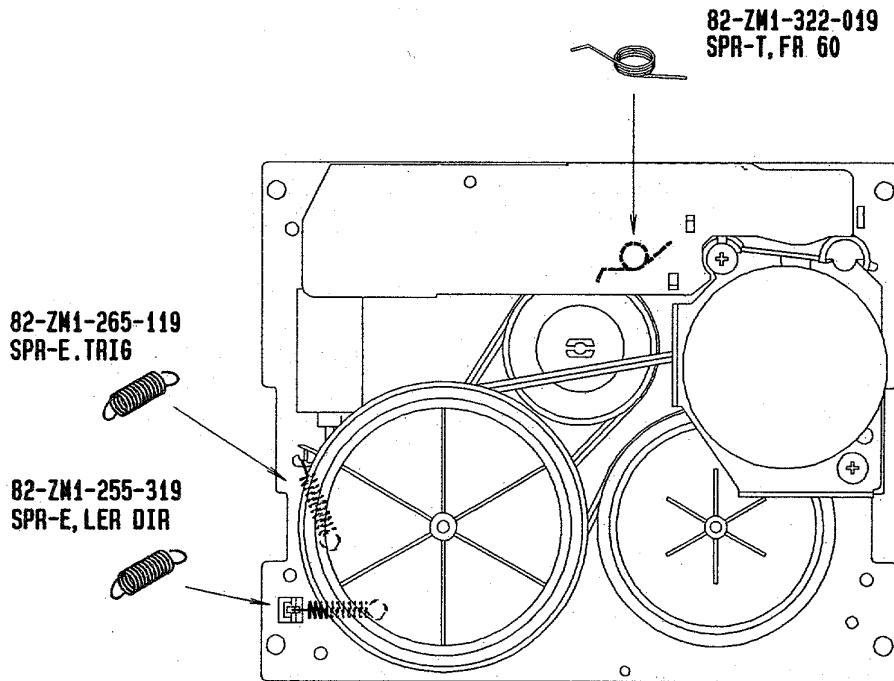
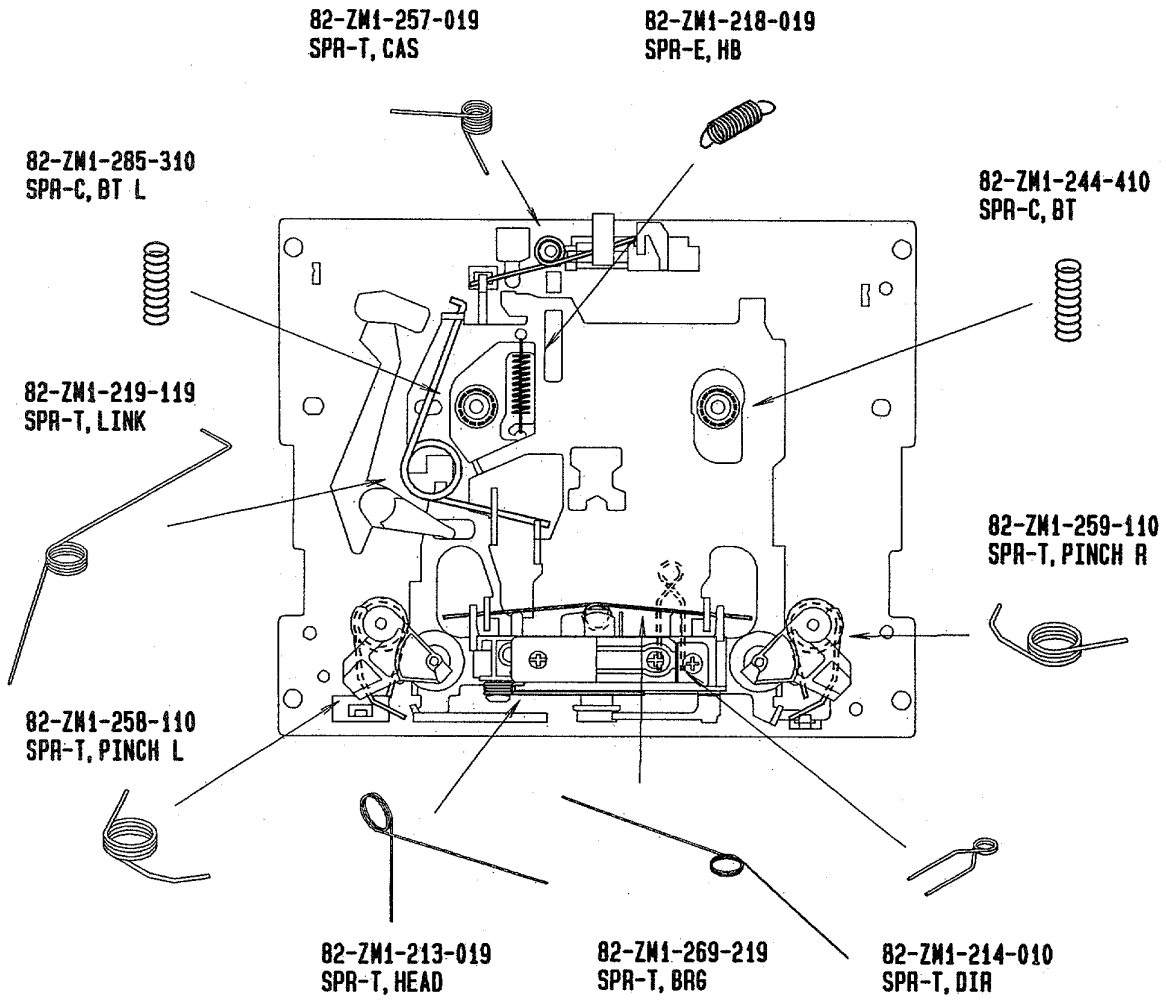


CD MECHANISM PARTS LIST 2 / 2

DESCRIPTIONで判断できない物は“REFERENCE NAME LIST”を参照してください。
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REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	83-ZG2-202-71K		O-SERT S ASSY, S	6	87-070-445-010		PICK-UP, KSS-213B
2	83-ZG2-237-11K		GEAR, A5	8	83-ZG2-227-01K		TURN TABLE, C1
3	83-ZG2-205-219		GEAR, B	9	87-045-358-019		MOT, RF-310T A 43
4	83-ZG2-238-01K		GEAR, MOTOR 5	10	87-045-356-019		MOT, RF-310T A 30
5	83-ZG2-207-119		SHAFT, SLIDE	A	87-261-032-219		SCREW V+2-3

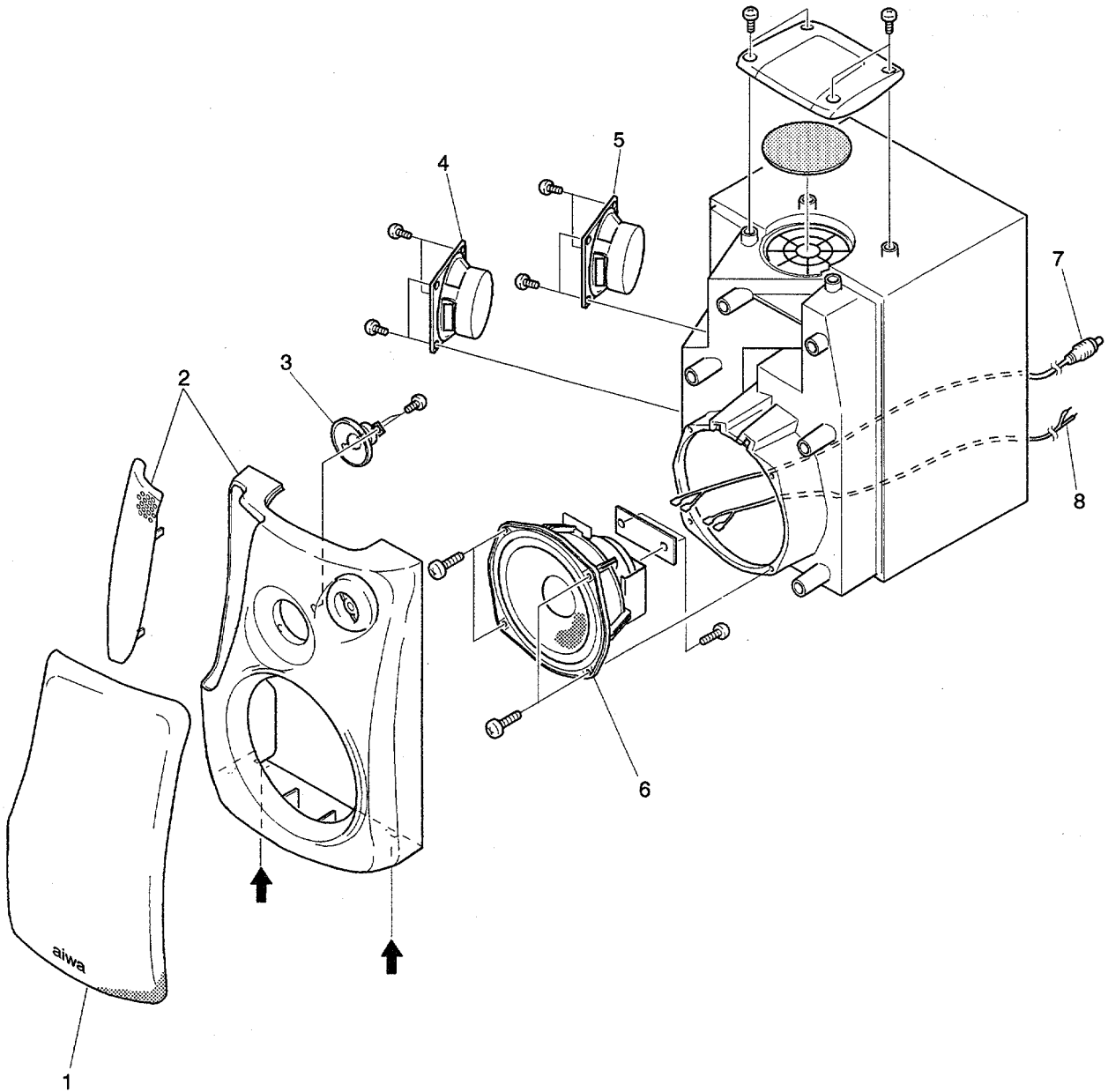
SPRING APPLICATION POSITION



MODEL NO.

SX-ANH9

SPEAKER EXPLODED VIEW 1 / 1



SPEAKER 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。
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REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	86-NS1-010-010		GRILLE FRAME ASSY, R	4	86-NS1-606-010		SPKR S 80
1	86-NS1-011-010		GRILLE FRAME ASSY, L	5	86-NS1-604-010		SPKR M 80
2	86-NS1-001-010		PANEL FR, R	6	86-NS1-602-010		SPKR W 140H
2	86-NS1-002-010		PANEL FR, L	7	85-NS6-611-019		SPEAKER CORD Y/B
3	86-NS1-608-010		SPKR T 50	8	83-NS5-613-019		SPEAKER CORD ASSY

■ ACCESSORIES / PACKAGE 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.	カリ NO.	DESCRIPTION
1	86-NL1-901-010		IB, H(ECA)M
2	86-MG3-701-110		RC UNIT, 6AS08
3	87-006-225-010		ANT, LOOP ANT NC2
4	87-043-115-010		FEEDER-ANT, FM
5	87-050-050-010		CORD, PIN 1.5M M
△6	87-099-789-010		PLUG, CONVERSION IR44

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
サージサプレッサ	SERGESUPPRESSOR
セラコン	CAP, CERA

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ジグアーム	ARM, SHAFT
ジグガイド	GUIDE, SHAFT
ストラップ	STRAP
トクナベ	S-SCREW
ヒンジ	HINGE
ヒンジビス	S-SCREW
ビスセレート	SCREW, SERRART

サービス技術ニュース	
番号	連絡内容
G — —	
G — —	
G — —	

アイワ株式会社
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