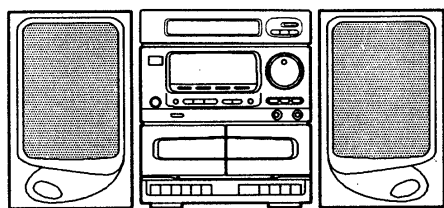


aiwa

NSX - 270 CX - N270 CX - N2700



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : TN - 591SW - 103 (N270)
TN - 21ZSW - 1370 (N2700) • TYPE. HR, HE, LH, Z, EE, U
- BASIC CD MECHANISM : KSL - 2101ABM

[REVISION PUBLISHING]

SYSTEM	CD - CASSEIVER	REMOTE CONTROLLER	SPEAKER
NSX - 270 (TYPE : HR, HE, LH)	CX - N270	RC - TN270	SX - N340
_____ (TYPE : Z, EE)	CX - N270	RC - TN270	SX - N340
_____ (TYPE : U)	CX - N2700	RC - TN270	SX - N3200

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SPECIFICATIONS

<FM section>

Frequency range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	Except Z model: 1.3 μ V (75 ohms) 13.2 dBf Z model: 1.9 μ V (75 ohms) 16.8 dBf
Alternate channel selectivity	50 dB ($\pm$ 400 kHz)
Signal-to-noise ratio	STEREO: 70 dB (Except Z model) 65 dB (Z model) MONO: 76 dB (Except Z model) 73 dB (Z model)
Harmonic distortion	0.3 % (MONO), 1 kHz 0.5 % (STEREO, L-R), 1 kHz
Frequency response	30 Hz to 15 kHz (+0.5 dB, -3 dB)
Stereo separation	Except Z model: 33 dB at 1 kHz Z model: 30 dB at 1 kHz
Antenna	75 ohms (unbalanced)

<AM (MW) section>

Frequency range	CX-N270 HE, HR, E, K, Z: AM 531 (530) kHz to 1602 (1710) kHz CX-N270 LH, CX-N2700 AM 530 (531) kHz to 1710 (1602) kHz
Usable sensitivity	350 μ V/m
Selectivity	22 dB (9 kHz)
Signal-to-noise ratio	53 dB (100 dB input)
Antenna	Loop antenna

* <LW section > (E, K, Z models only)

Frequency range	144 kHz to 290 kHz
Sensitivity	1400 μ V/m
Antenna	Loop antenna

<Timer section>

Program timer	On-timer, capable of free setting
Sleep timer	Capable of setting in 10-minute increments, 240 minutes maximum

<Amplifier section>

Power output	CX-N270 LH, HE, HR: 20 W + 20 W (6 ohms, T.H.D. 10% 1 kHz) CX-N270 E, Z: 16 W + 16 W (6 ohms, T.H.D. 1% 1 kHz) CX-N270 K: 16 W + 16 W (6 ohms, T.H.D. 1% 1kHz) 20 W + 20 W (6 ohms, T.H.D. 10% 1kHz) CX-N2700: FTC RULE 16 watts per channel, Min. RMS at 6 ohms, from 65 Hz to 15 kHz, with no more than 1 % Total Harmonic Distortion 1 % (16 W, 1 kHz, 6 ohms) CX-N270 LH, HE, HR: 0.07% (10 W, 1 kHz, 6 ohms) CX-N270 E, K, Z, CX-N2700: 0.07% (8 W, 1 kHz, 6 ohms) VIDEO/AUX: 400 mV
Harmonic distortion	
Input sensitivity	

<Cassette deck section>

Track format	4 tracks, 2 channels
Frequency response	Normal tape: 50 - 15000 Hz
Tape speed	4.8 cm/sec. (1 $\frac{7}{8}$ ips)
Recording system	AC bias
Erase system	AC erase
Motor	DC servomotor $\times$ 1
Heads	Playback head $\times$ 1 (deck 2) Recording/playback $\times$ 1 (deck 1) Erase head $\times$ 1 (deck 1)

<CD player section>

Disc	Compact disc
Scanning method	Non-contact optical scanner (semiconductor laser application)
Laser	Semiconductor laser (λ = 780 nm)
Rotation speed	Approx. 500 rpm - 200 rpm (CLV)
Error correction	Cross Interleave, Reed Solomon code
No. of channels	2 channels
D-A conversion	16-bit linear
Wow/flutter	Unmeasurable
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.05% (1 kHz, 0 dB)

SPEAKER SYSTEM SX-N340, SX-N3200

(These values are for one speaker.)

Cabinet type	3 way, bass reflex (magnetism sealed type)
Speaker	130 mm (5 $\frac{1}{8}$ in.) cone type woofer 50 mm (2 in.) cone type tweeter 20 mm (1 $\frac{3}{16}$ in.) ceramic type super tweeter
Impedance	6 ohms
Music power	N340: 50W N3200: 40W
Output sound pressure level	87 dB/W/m
Dimensions (W $\times$ H $\times$ D)	180 $\times$ 302 $\times$ 220 mm (7 $\frac{1}{8}$ $\times$ 12 $\times$ 8 $\frac{3}{4}$ in.)
Weight	2.6 kg (5.72 lbs.)

COMMON SECTION

Power requirements	CX-N270 LH, HE, HR: AC 120 V/220-240 V, switchable 50/60 Hz CX-N270 E, Z: AC 230 V, 50 Hz CX-N270 K: AC 240 V, 50 Hz CX-N2700: AC 120V 60Hz
Power consumption (System total)	CX-N270 LH, HE: 45 W CX-N270 HR: 65 W CX-N270 E, K, Z: 110 W CX-N2700: 55W
Dimensions (W $\times$ H $\times$ D)	Main unit: 260 $\times$ 303.5 $\times$ 340 mm (10 $\frac{1}{4}$ $\times$ 12 $\times$ 13 $\frac{1}{2}$ in.) System: 620 $\times$ 303.5 $\times$ 340 mm (24 $\frac{1}{2}$ $\times$ 12 $\times$ 13 $\frac{1}{2}$ in.)
Weight	CX-N270: Main unit: 5.7 kg (12.54 lb.) System: 10.9 kg (23.98 lb.) CX-N2700: Main unit: 6 kg (13.2 lb.) System: 11.2 kg (24.64 lb.)

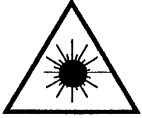
- Design and specifications are subject to change without notice.

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 ylitävälle näkymättömälle lasersäteilylle.

VARNING!

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

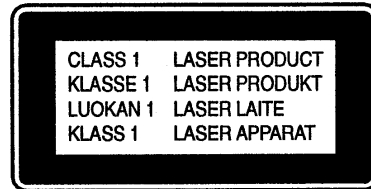
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

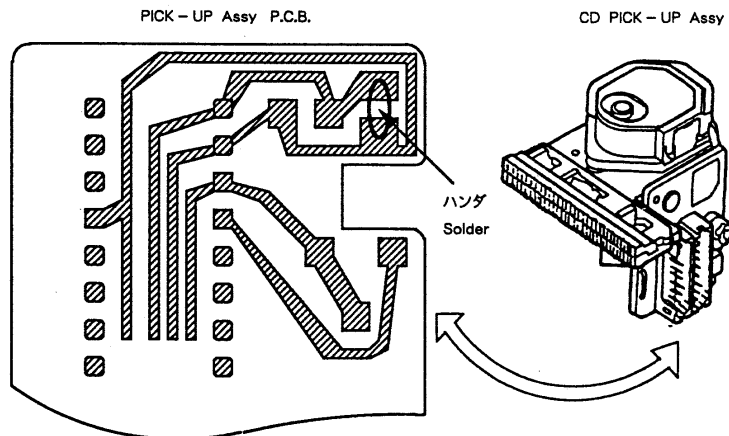


Precaution to replace optical block

(KSS - 210A)

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.



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.	カナリ NO.	DESCRIPTION	REF. NO	PART NO.	カナリ NO.	DESCRIPTION
IC				MAIN C.B			
	87-017-474-010	IC,	CXA1782AQ	BPF731	82-794-697-010		FILTER ANTI BIRDIE(Z)
	87-017-475-010	IC,	CXD2517Q	BPF831	87-030-105-010		FLTR, BPMB6A(Z)
	87-017-486-080	IC,	BA6397FP	C101	87-010-398-090		CAP, E 2200-35 SME
	87-017-429-089	IC,	TDA1311A(T)	C102	87-010-399-090		CAP, E 3300-35 SME
	87-001-982-010	IC,	TA7291S	C104	87-010-980-080		CAP, E 330-16 FS
	87-017-360-080	IC,	SC7S04F	C105	87-010-101-080		CAP, E 220-16 SME
	83-NEA-630-010	IC,	UPD78043GF-057	C106	87-010-247-080		CAP, E 100-50 SME
	87-017-373-010	IC,	NJH32H380A	C107	87-010-384-080		CAP, E 100-25 SME
	87-020-899-010	IC,	STK4122-2	C108	87-010-384-080		CAP, E 100-25 SME
	87-020-758-010	IC,	NJM2068SD	C109	87-010-263-080		CAP, E 100-10
	87-002-727-010	IC,	NJM4558L	C110	87-010-263-080		CAP, E 100-10
	87-001-607-080	IC,	NJM4558M	C112	87-010-260-080		CAP, E 47-25 SME
	87-017-448-010	IC,	GD4052B	C113	87-010-403-080		CAP, E 3.3-50 SME
	87-002-272-080	IC,	TC4052BF	C115	87-012-368-080		C-CAP, S 0.1-50F
	87-017-374-010	IC,	TC4094BP	C116	87-012-140-080		C-CAP, S 470P-50 CH
	82-NF7-635-080	IC,	M65830 AFP(HR, HE)	C118	87-012-368-080		C-CAP, S 0.1-50F
	87-002-607-010	IC,	LM7001	C213	87-010-401-080		CAP, E 1-50 SME(U)
	87-017-434-010	IC,	K1A6043S	C213	87-010-404-080		CAP, E 4.7-50 SME(EXCEPT U)
	87-020-446-010	IC,	TA7343AP(LH)	C214	87-010-401-080		CAP, E 1-50 SME(U)
	87-001-942-010	IC,	LA1265G	C214	87-010-404-080		CAP, E 4.7-50 SME(EXCEPT U)
	87-001-486-010	IC,	ICP-N15(U)	C215	87-010-175-080		C-CAP, S 560P-50 SL
TRANSISTOR				C216	87-010-175-080		C-CAP, S 560P-50 SL
	87-026-463-080	TR,	2SA933S(RS)	C217	87-010-546-080		CAP, E 0.33-50 SME
	89-113-187-880	TR,	2SA1318TU	C218	87-010-546-080		CAP, E 0.33-50 SME
	87-026-237-080	C-TR,	DTC124XK	C221	87-010-401-080		CAP, E 1-50 SME(U)
	89-327-124-080	C-TR,	2SC2712Y	C221	87-010-402-080		CAP, E 2.2-50 SME(EXCEPT U)
	89-109-521-080	TR,	2SA952K	C222	87-010-401-080		CAP, E 1-50 SME(U)
	87-026-233-080	C-TR,	DTA114TK	C222	87-010-402-080		CAP, E 2.2-50 SME(EXCEPT U)
	89-213-702-010	TR,	2SB1370E	C223	87-010-263-080		CAP, E 100-10(U)
	89-332-665-080	TR,	2SC3266GR	C223	87-010-374-080		CAP, E 47-10(EXCEPT U)
	89-318-155-080	TR,	2SC1815GR	C224	87-010-263-080		CAP, E 100-10(U)
	89-327-125-080	C-TR,	2SC2712GR	C224	87-010-374-080		CAP, E 47-10(EXCEPT U)
	89-420-053-080	TR,	2SD2005R(U)	C225	87-010-260-080		CAP, E 47-25 SME
	89-333-266-080	C-TR,	2SC3326B	C226	87-010-260-080		CAP, E 47-25 SME
	87-026-226-080	C-TR,	DTA143EK	C227	87-010-196-080		C-CAP, S 0.1-25 F
	87-026-232-080	C-TR,	DTA144WK	C228	87-010-196-080		C-CAP, S 0.1-25 F
	87-026-210-080	C-TR,	DTC144EK	C229	87-012-361-080		C-CAP, S 0.056-25 Y
	89-502-466-080	FET,	2SK246BL	C230	87-012-361-080		C-CAP, S 0.056-25 Y
	89-111-625-080	C-TR,	2SA1162GR	C231	87-018-203-080		CAP, TC-U 8200P-16 Y(Z)
	89-110-155-080	TR,	2SA1015GR	C232	87-018-203-080		CAP, TC-U 8200P-16 Y(Z)
	89-333-317-080	TR,	2SC3331 T	C236	87-010-408-080		CAP, E 47-50 SME
	89-109-705-080	TR,	2SA970GR(EE, Z)	C237	87-010-197-080		C-CAP, S 0.01-25 B(Z)
	87-026-224-080	C-TR,	DTC143XK	C238	87-010-197-080		C-CAP, S 0.01-25 B(Z)
	89-502-464-080	FET,	2SK246Y	C243	87-010-154-080		C-CAP, S 10P-50 CH
	89-318-154-080	TR,	2SC1815Y	C244	87-010-154-080		C-CAP, S 10P-50 CH
	87-026-214-080	TR,	DTA114YS	C250	87-010-404-080		CAP, E 4.7-50 SME
	89-327-143-080	C-TR,	2SC2714(O)	C303	87-010-178-080		C-CAP, S 1000P-50 B(U)
	89-503-025-080	C-FET,	2SK302 GR	C303	87-012-140-080		C-CAP, S 470P-50 CH(EXCEPT U)
	89-502-115-080	C-FET,	2SK211GR(Z)	C304	87-010-178-080		C-CAP, S 1000P-50 B(U)
	89-502-114-580	C-FET,	2SK211Y GR(EE, Z)	C304	87-012-140-080		C-CAP, S 470P-50 CH(EXCEPT U)
DIODE				C305	87-010-189-080		C-CAP, S 8200P-50 B
	87-020-465-080	DIODE,	1SS133	C306	87-010-189-080		C-CAP, S 8200P-50 B
	87-027-286-080	ZENER,	HZ5C1	C310	87-010-197-080		C-CAP, S 0.01-25 B
	87-002-225-010	DIODE,	DBF 40C-K10	C311	87-010-426-080		C-CAP, S 0.012-25 B
	87-017-011-080	DIODE,	LT1N4003L(EXCEPT U)	C312	87-010-426-080		C-CAP, S 0.012-25 B
	87-002-836-080	DIODE,	1A3-J	C313	87-010-192-080		C-CAP, S 0.022-50 F
	87-020-027-080	C-DIODE,	1SS184	C351	87-012-154-080		C-CAP, S 150P-50 CH
	87-017-173-080	ZENER,	HZS11A2L	C352	87-012-154-080		C-CAP, S 150P-50 CH
	87-017-144-080	ZENER,	HZS24-2	C353	87-012-157-080		C-CAP, S 330P-50 CH
	87-001-731-080	ZENER,	HZS6C2L	C354	87-012-157-080		C-CAP, S 330P-50 CH
	87-017-091-080	ZENER,	HZS5C1	C355	87-010-260-080		CAP, E 47-25 SME
	87-001-290-080	ZENER,	HZS6B1L	C357	87-010-189-080		C-CAP, S 8200P-50 B
	87-002-730-010	VARI-CAP,	SVC203 SPA	C358	87-010-189-080		C-CAP, S 8200P-50 B
	87-002-564-080	DIODE,	1SS133 RA(EE, Z)	C361	87-010-197-080		C-CAP, S 0.01-25 B
				C362	87-010-197-080		C-CAP, S 0.01-25 B
				C363	87-010-213-080		C-CAP, S 0.015-25 B
				C364	87-010-213-080		C-CAP, S 0.015-25 B
				C365	87-010-192-080		C-CAP, S 0.022-50 F

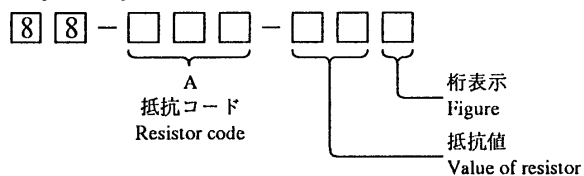
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C366	87-010-197-080		C-CAP, S 0.01-25 B	C719	87-010-196-080		C-CAP, S 0.1-25 F
C401	87-010-402-080		CAP, E 2.2-50 SME	C720	87-012-154-080		C-CAP, S 150P-50 CH
C402	87-010-402-080		CAP, E 2.2-50 SME	C721	87-010-401-080		CAP, E 1-50 SME
C403	87-010-182-080		C-CAP, S 2200P-50 B	C722	87-010-401-080		CAP, E 1-50 SME
C404	87-010-182-080		C-CAP, S 2200P-50 B	C723	87-010-405-080		CAP, E 10-50 SME
C405	87-010-197-080		C-CAP, S 0.01-25 B	C724	87-014-057-080		CAP, PP 1000P-100 J
C406	87-010-197-080		C-CAP, S 0.01-25 B	C725	87-010-401-080		CAP, E 1-50 SME
C407	87-010-401-080		CAP, E 1-50 SME	C726	87-010-403-080		CAP, E 3.3-50 SME
C408	87-010-401-080		CAP, E 1-50 SME	C727	87-010-248-080		CAP, E 220-10 SME
C409	87-010-180-080		C-CAP, S 1500P-50 B(EXCEPT U)	C728	87-010-402-080		CAP, E 2.2-50 SME(Z)
C409	87-010-181-080		C-CAP, S 1800P-50 B(U)	C729	87-010-402-080		CAP, E 2.2-50 SME(Z)
C410	87-010-180-080		C-CAP, S 1500P-50 B(EXCEPT U)	C731	87-010-197-080		C-CAP, S 0.01-25 B
C410	87-010-181-080		C-CAP, S 1800P-50 B(U)	C732	87-010-197-080		C-CAP, S 0.01-25 B
C411	87-010-186-080		C-CAP, S 4700P-50 B(EXCEPT U)	C734	87-010-322-080		C-CAP, S 100P-50 CH
C411	87-010-187-080		C-CAP, S 5600P-50 B(U)	C741	87-010-402-080		CAP, E 2.2-50 SME
C412	87-010-186-080		C-CAP, S 4700P-50 B(EXCEPT U)	C742	87-012-157-080		C-CAP, S 330P-50 CH(EXCEPT Z)
C412	87-010-187-080		C-CAP, S 5600P-50 B(U)	C742	87-012-158-080		C-CAP, S 390P-50 CH(Z)
C421	87-010-177-080		C-CAP, S 820P-50 SL	C743	87-010-382-080		CAP, E 22-25 SME
C422	87-010-177-080		C-CAP, S 820P-50 SL	C744	87-010-197-080		C-CAP, S 0.01-25 B
C451	87-012-158-080		C-CAP, S 390P-50 CH	C745	87-010-197-080		C-CAP, S 0.01-25 B
C452	87-012-158-080		C-CAP, S 390P-50 CH	C746	87-010-401-080		CAP, E 1-50 SME
C453	87-010-178-080		C-CAP, S 1000P-50 B	C747	87-010-197-080		C-CAP, S 0.01-25 B
C455	87-010-178-080		C-CAP, S 1000P-50 B(EE, Z)	C748	87-010-404-080		CAP, E 4.7-50 SME
C456	87-010-385-080		CAP, E 220-25	C749	87-010-405-080		CAP, E 10-50 SME
C457	87-010-197-080		C-CAP, S 0.01-25 B	C750	87-010-544-080		CAP, E 0.1-50
C458	87-010-183-080		C-CAP, S 2700P-50 B	C751	87-010-403-080		CAP, E 3.3-50 SME
C459	87-010-183-080		C-CAP, S 2700P-50 B	C752	87-010-197-080		C-CAP, S 0.01-25 B
C460	87-010-183-080		C-CAP, S 2700P-50 B	C753	87-015-632-080		C-CAP, S 0.015-50 B K
C470	87-010-196-080		C-CAP, S 0.1-25 F	C754	87-010-260-080		CAP, E 47-25 SME
C501	87-010-401-080		CAP, E 1-50 SME	C755	87-010-401-080		CAP, E 1-50 SME
C502	87-010-401-080		CAP, E 1-50 SME	C756	87-010-197-080		C-CAP, S 0.01-25 B
C503	87-010-179-080		C-CAP, S 1200P-50 B	C802	87-010-154-080		C-CAP, S 10P-50 CH(EXCEPT Z)
C504	87-010-179-080		C-CAP, S 1200P-50 B	C802	87-010-312-080		C-CAP, S 15P-50 CH(Z)
C505	87-012-142-080		C-CAP, S 0.33-16 F	C804	87-010-151-080		C-CAP, S 7P-50 CH(EXCEPT Z)
C506	87-012-142-080		C-CAP, S 0.33-16 F	C805	87-010-147-080		C-CAP, S 3P-50 CH(Z)
C507	87-010-180-080		C-CAP, S 1500P-50 B(EXCEPT U)	C805	87-010-150-080		C-CAP, S 6P-50 CH(EXCEPT Z)
C507	87-010-177-080		C-CAP, S 820P-50 SL(U)	C806	87-010-145-080		C-CAP, S 1P-50 CH(EXCEPT Z)
C508	87-010-180-080		C-CAP, S 1500P-50 B(EXCEPT U)	C806	87-010-148-080		C-CAP, S 4P-50 CH(Z)
C508	87-010-177-080		C-CAP, S 820P-50 SL(U)	C807	87-010-154-080		C-CAP, S 10P-50 CH(EXCEPT Z)
C509	87-010-371-080		CAP, E 470-6.3	C807	87-010-315-080		C-CAP, S 27P-50 CH(Z)
C517	87-010-154-080		C-CAP, S 10P-50 CH	C808	87-010-322-080		C-CAP, S 100P-50 CH
C518	87-010-154-080		C-CAP, S 10P-50 CH	C809	87-010-197-080		C-CAP, S 0.01-25 B
C570	87-010-193-080		C-CAP, S 0.033-25 F	C810	87-010-197-080		C-CAP, S 0.01-25 B
C571	87-010-193-080		C-CAP, S 0.033-25 F	C811	87-010-149-080		C-CAP, S 5P-50 CH
C572	87-010-220-080		C-CAP, S 0.018-25 B	C812	87-010-313-080		C-CAP, S 18P-50 CH
C573	87-010-196-080		C-CAP, S 0.1-25 F	C813	87-010-197-080		C-CAP, S 0.01-25 B
C590	87-010-196-080		C-CAP, S 0.1-25 F	C814	87-010-197-080		C-CAP, S 0.01-25 B
C592	87-010-404-080		CAP, E 4.7-50 SME	C818	87-010-197-080		C-CAP, S 0.01-25 B
C593	87-010-404-080		CAP, E 4.7-50 SME	C819	87-010-197-080		C-CAP, S 0.01-25 B
C594	87-010-404-080		CAP, E 4.7-50 SME	C820	87-010-260-080		CAP, E 47-25 SME
C595	87-010-112-080		CAP, E 100-16	C821	87-010-197-080		C-CAP, S 0.01-25 B
C628	87-010-260-080		CAP, E 47-25 SME	C822	87-010-197-080		C-CAP, S 0.01-25 B(EXCEPT Z)
C636	87-010-404-080		CAP, E 4.7-50 SME	C823	87-010-197-080		C-CAP, S 0.01-25 B
C700	87-010-221-080		CAP, E 470-10	C826	87-010-197-080		C-CAP, S 0.01-25 B
C701	87-010-384-080		CAP, E 100-25 SME	C827	87-010-145-080		C-CAP, S 1P-50 CH(Z)
C702	87-010-404-080		CAP, E 4.7-50 SME	C830	87-010-197-080		C-CAP, S 0.01-25 B
C703	87-010-197-080		C-CAP, S 0.01-25 B	C831	87-010-154-080		C-CAP, S 10P-50 CH(Z)
C705	87-010-248-080		CAP, E 220-10 SME	C831	87-010-151-080		C-CAP, S 7P-50 CH(EXCEPT Z)
C706	87-010-197-080		C-CAP, S 0.01-25 B	C832	87-010-314-080		C-CAP, S 22P-50 CH(Z)
C707	87-010-197-080		C-CAP, S 0.01-25 B	C833	87-018-134-010		CAP, TC-U 0.01-16 Y(EXCEPT U)
C708	87-010-197-080		C-CAP, S 0.01-25 B	C834	87-010-154-080		C-CAP, S 10P-50 CH(Z)
C710	87-010-312-080		C-CAP, S 15P-50 CH	C835	87-010-154-080		C-CAP, S 10P-50 CH
C711	87-010-213-080		C-CAP, S 0.015-25 B(EXCEPT U, Z)	C836	87-010-312-080		C-CAP, S 15P-50 CH
C711	87-010-220-080		C-CAP, S 0.018-25 B(Z)	C837	87-010-312-080		C-CAP, S 15P-50 CH
C711	87-010-198-080		C-CAP, S 0.022-25 B(U)	C840	87-010-197-080		C-CAP, S 0.01-25 B
C712	87-010-213-080		C-CAP, S 0.015-25 B(EXCEPT U, Z)	C843	87-010-146-080		C-CAP, S 2P-50 CH
C712	87-010-220-080		C-CAP, S 0.018-25 B(Z)	C850	87-010-197-080		C-CAP, S 0.01-25 B(Z)
C712	87-010-198-080		C-CAP, S 0.022-25 B(U)	C851	87-010-197-080		C-CAP, S 0.01-25 B(Z)
C715	87-010-179-080		C-CAP, S 1200P-50 B	C852	87-012-368-080		C-CAP, S 0.1-50F
C716	87-010-179-080		C-CAP, S 1200P-50 B	C941	87-010-197-080		C-CAP, S 0.01-25 B(EE, Z)

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C944	87-010-154-080		C-CAP, S 10P-50 CH<EE, Z>	C211	87-010-408-040		CAP, E 47-50 SME
C944	87-010-311-080		C-CAP, S 12P-50 CH<U, LH, HR, HE>	C213	87-010-196-080		C-CAP, S 0.1-25 F
C945	87-014-050-080		CAP, PP 510P-100 J<EE, Z>	C501	87-010-248-040		CAP, E 220-10 SME
C946	87-010-154-080		C-CAP, S 10P-50 CH<EE, Z>	C502	87-010-401-040		CAP, E 1-50 SME
C946	87-010-401-080		CAP, E 1-50 SME	C503	87-010-544-080		CAP, E 0.1-50
C949	87-010-196-080		C-CAP, S 0.1-25 F<EE, Z>	C504	87-010-402-040		CAP, E 2.2-50 SME
C950	87-010-322-080		C-CAP, S 100P-50 CH<U, LH, HR, HE>	C505	87-010-405-040		CAP, E 10-50 SME
C983	87-010-544-080		CAP, E 0.1-50	C506	87-012-156-080		C-CAP, S 220P-50 CH
C990	87-010-197-080		C-CAP, S 0.01-25 B	C507	87-010-545-040		CAP, E 0.22-50 SME
CF741	82-794-670-010		CF BFU450C4N	C508	87-012-155-080		C-CAP, S 180P-50 CH
CF801	82-799-621-010		CF MS2-A<Z>	C509	87-010-183-080		C-CAP, S 2700P-50 B
CF801	87-008-261-010		FLTR, SFE10. 7MA5-A<EXCEPT Z>	C510	87-010-401-040		CAP, E 1-50 SME
CF802	87-008-261-010		FLTR, SFE10. 7MA5-A	C511	87-010-196-080		C-CAP, S 0.1-25 F
CF803	87-008-261-010		FLTR, SFE10. 7MA5-A<Z>	C512	87-010-178-080		C-CAP, S 1000P-50 B
FC605	83-NE2-691-010		F-CABLE 6P-2.0	C513	87-010-178-080		C-CAP, S 1000P-50 B
J250	87-049-855-010		JACK, 6.3 W/S	C514	87-010-994-080		C-CAP, S 680P-50 CH
J254	87-033-222-010		TERMINAL, SP 4P JT<EXCEPT Z>	C515	87-010-178-080		C-CAP, S 1000P-50 B
J254	87-033-222-010		TERMINAL, SP 4P R<Z> (Z)	C710	87-010-196-080		C-CAP, S 0.1-25 F<HR, HE>
J652	80-MT3-616-010		JACK, PIN 2P	C711	87-010-187-080		C-CAP, S 5600P-50 B<HR, HE>
J801	81-631-646-010		ANT TERM 2P PAL<EE, Z>	C712	87-010-178-080		C-CAP, S 1000P-50 B<HR, HE>
J801	82-NF5-621-010		ANT TERM JBT0222<U, LH, HR, HE>	C713	87-010-196-080		C-CAP, S 0.1-25 F<HR, HE>
L231	87-005-366-010		COIL, 1UH<Z>	C714	87-010-260-040		CAP, E 47-25 SME<HR, HE>
L232	87-005-366-010		COIL, 1UH<Z>	C717	87-010-956-080		C-CAP, S 0.068-25 B<HR, HE>
L401	87-003-131-080		COIL, 10MH J	C718	87-010-187-080		C-CAP, S 5600P-50 B<HR, HE>
L402	87-003-131-080		COIL, 10MH J	C719	87-010-178-080		C-CAP, S 1000P-50 B<HR, HE>
L451	87-007-300-010		COIL, OSC BIAS 85K	C720	87-010-401-040		CAP, E 1-50 SME<HR, HE>
L741	81-631-611-010		COIL, QUAD(SINGLE)	C721	87-010-186-080		C-CAP, S 4700P-50 B<HR, HE>
L742	87-008-491-010		FLTR, PACFAZ 450	C722	87-010-263-040		CAP, E 100-10<HR, HE>
L801	87-006-249-010		COIL, ANT FM 3/4TS, L4	C723	87-010-196-080		C-CAP, S 0.1-25 F<HR, HE>
L802	87-006-254-010		COIL, ANT FM2-3/4TS, S	C724	87-012-157-080		C-CAP, S 330P-50 CH<HR, HE>
L803	87-006-244-010		COIL, RF FM 3-1/2T, L4	C725	87-012-157-080		C-CAP, S 330P-50 CH<HR, HE>
L804	87-006-250-010		COIL, RF FM 3-1/2, L4	C726	87-010-374-040		CAP, E 47-10<HR, HE>
L805	87-003-098-050		COIL, 2.2UH RA	FL101	83-NEA-631-010		FL, 7-BT-199GK
L806	87-008-427-010		COIL, FM IFT	J501	82-NF7-630-010		JACK, 3.5 MO
L807	87-006-205-010		COIL, OSC FM(7K)	L701	87-005-454-080		COIL, 680UH FLR50 K<HR, HE>
L831	87-006-250-010		COIL, RF FM 3-1/2, L4<Z>	S301	87-036-215-080		SW, TACT EVQ-21404M
L832	87-003-098-050		COIL, 2.2UH RA	S302	87-036-215-080		SW, TACT EVQ-21404M
L941	87-006-234-010		COIL, ANT LW S<EE, Z>	S303	87-036-215-080		SW, TACT EVQ-21404M
L942	87-007-323-010		COIL, OSC LW S<EE, Z>	S304	87-036-215-080		SW, TACT EVQ-21404M
L981	98282-NT3-632-010		AM PACK 1, SAG<U, LH, HR, HE>	S305	87-036-215-080		SW, TACT EVQ-21404M
L981	98287-042-147-010		AM PACK 4<EE, Z>	S306	87-036-215-080		SW, TACT EVQ-21404M
R105	87-022-050-080		RESIS METAL 1W-0.22J	S307	87-036-215-080		SW, TACT EVQ-21404M
R106	87-022-050-080		RESIS METAL 1W-0.22J	S308	87-036-215-080		SW, TACT EVQ-21404M
R243	87-022-184-080		RES, METAL 0.33-1W<EXCEPT U>	S309	87-036-215-080		SW, TACT EVQ-21404M
R244	87-022-184-080		RES, METAL 0.33-1W<EXCEPT U>	S310	87-036-215-080		SW, TACT EVQ-21404M
SFR451	87-024-173-080		SFR, 22K DIA6V	S311	87-036-215-080		SW, TACT EVQ-21404M
SFR452	87-024-173-080		SFR, 22K DIA6V	S312	87-036-215-080		SW, TACT EVQ-21404M
SFR721	87-024-171-080		SFR, 4.7K DIA6 V	S313	87-036-215-080		SW, TACT EVQ-21404M
SFR722	87-024-174-080		SFR, 33K DIA6 V	S314	87-036-215-080		SW, TACT EVQ-21404M
TC701	87-011-221-080		TRIMMER, 30P VCT 51	S315	87-036-215-080		SW, TACT EVQ-21404M
TC801	87-011-219-080		CAP TRIMMER 10P	S317	87-036-215-080		SW, TACT EVQ-21404M
TC802	87-011-219-080		CAP TRIMMER 10P	VR501	81-MX4-637-010		VR, 10KA RK11K1130
TC803	87-011-219-080		CAP TRIMMER 10P<Z>	VR502	82-VP2-636-010		VR, SL10K B<HR, HE>
TC942	87-011-221-080		TRIMER, 30P VCT 51<EE, Z>	X201	87-008-394-080		CF CST 4.19MGW
W101	83-NE2-618-010		F-CABLE, 5P-2.5				
X701	87-030-163-010		VIB, XTAL 7.2MHZ<NDK>	CD C. B			
FRONT-1 C. B				C1	87-010-178-080		C-CAP, S 1000P-50 B
C201	87-010-178-080		C-CAP, S 1000P-50 B	C2	87-010-263-080		CAP, E 100-10
C202	87-010-196-080		C-CAP, S 0.1-25 F	C3	87-010-265-080		CAP, E 33-16 SME
C203	87-010-404-040		CAP, E 4.7-50 SME	C6	87-010-198-080		C-CAP, S 0.022-25 B
C204	87-010-404-040		CAP, E 4.7-50 SME	C7	87-010-196-080		C-CAP, S 0.1-25 F
C205	87-010-263-040		CAP, E 100-10	C10	87-010-182-080		C-CAP, S 2200P-50 B
C206	87-010-401-040		CAP, E 1-50 SME	C11	87-010-196-080		C-CAP, S 0.1-25 F
C207	87-010-401-040		CAP, E 1-50 SME	C12	87-010-196-080		C-CAP, S 0.1-25 F
C208	87-010-248-040		CAP, E 220-10 SME	C13	87-010-196-080		C-CAP, S 0.1-25 F
C209	87-010-196-080		C-CAP, S 0.1-25 F	C14	87-010-404-080		CAP, E 4.7-50 SME
C210	87-010-405-040		CAP, E 10-50 SME	C15	87-010-193-080		C-CAP, S 0.033-25 F
				C16	87-010-197-080		C-CAP, S 0.01-25 B
				C17	87-010-263-080		CAP, E 100-10

○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

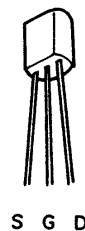
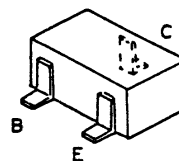
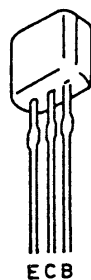


チップ抵抗

Chip resistor

Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法 (mm)				Resistor code : A 抵抗コード : A
				Form/外形	L	W	t	
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.5 ~0.7	128

TRANSISTOR ILLUSTRATION



2SK246

2SA952

2SA933

2SA1162

2SA970

DTA114YS

2SC2712

2SA1015

2SC2714

2SA1318

2SC3326

2SC1815

DTA114TK

2SC3266

DTA143EK

2SC3331

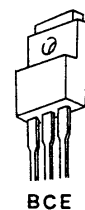
DTC144EK

2SD2005

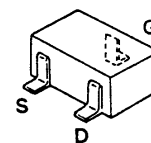
DTC124XK

DTC143XK

DTA144WK



2SB1370



2SK211

2SK302

TUNER BLOCK (EE MODEL)

FM TRACKING ADJ.

FM 75 Ω

FM 75 Ω

FM VT ADJ.

FM OSC

FM OSC BUFF.

PLL L.P.F.

Q701-Q702

MIX

Q808

Q807

Q806

Q805

Q804

Q803

Q802

Q801

Q741

Q742

Q743

Q744

Q745

Q746

Q747

Q748

Q749

Q750

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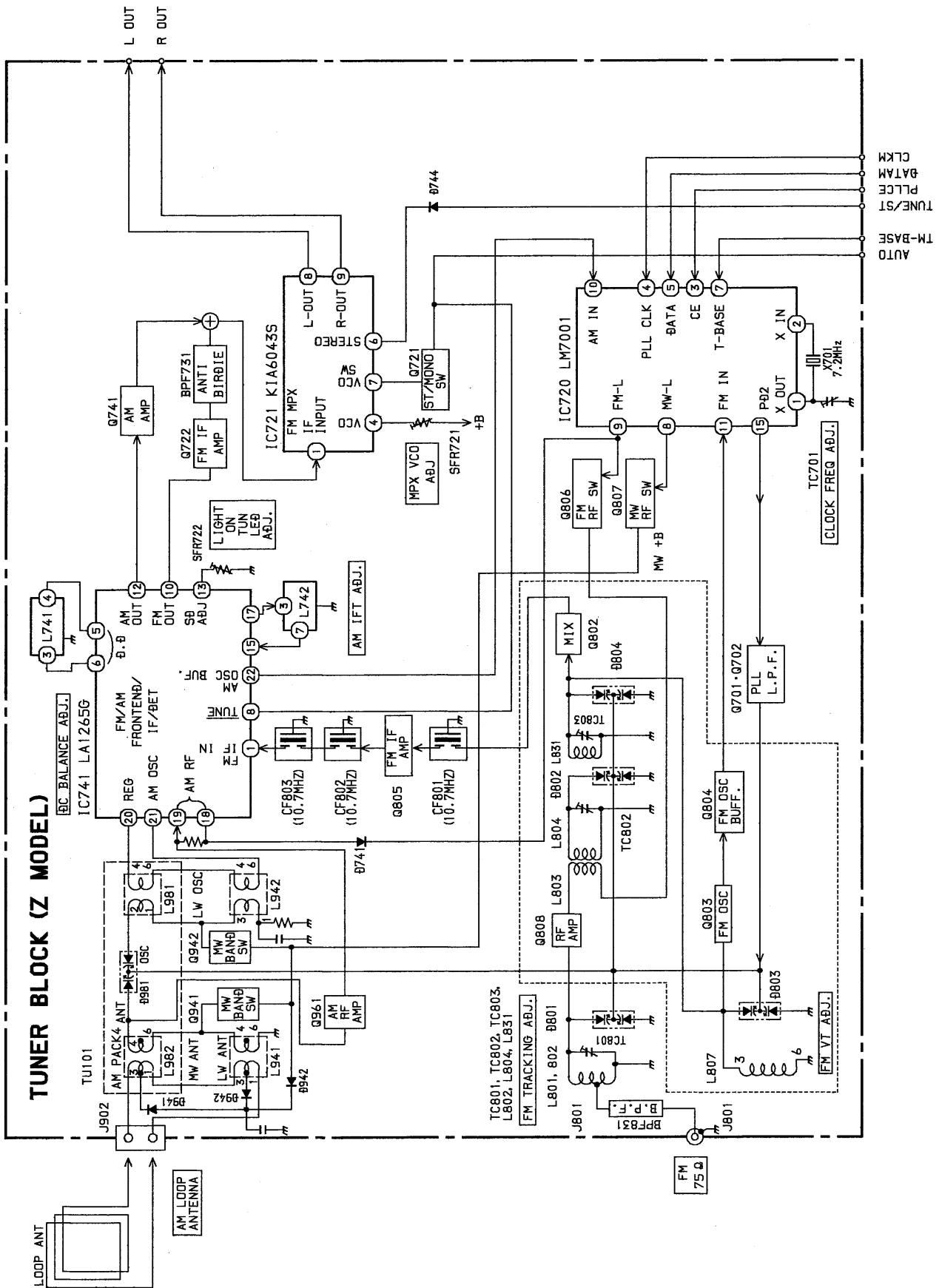
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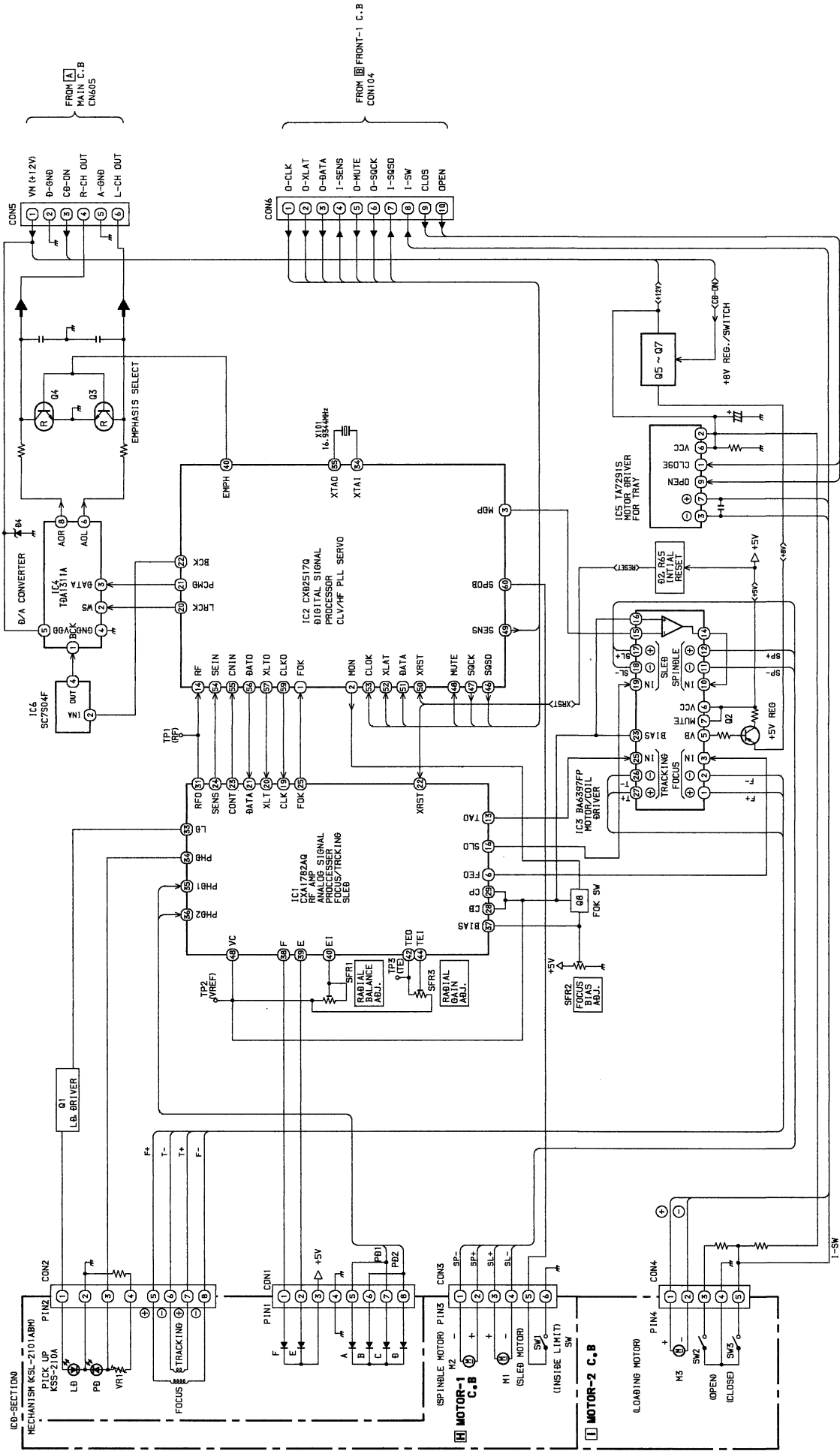
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Q1103

BLOCK DIAGRAM—3 (TUNER: Z)



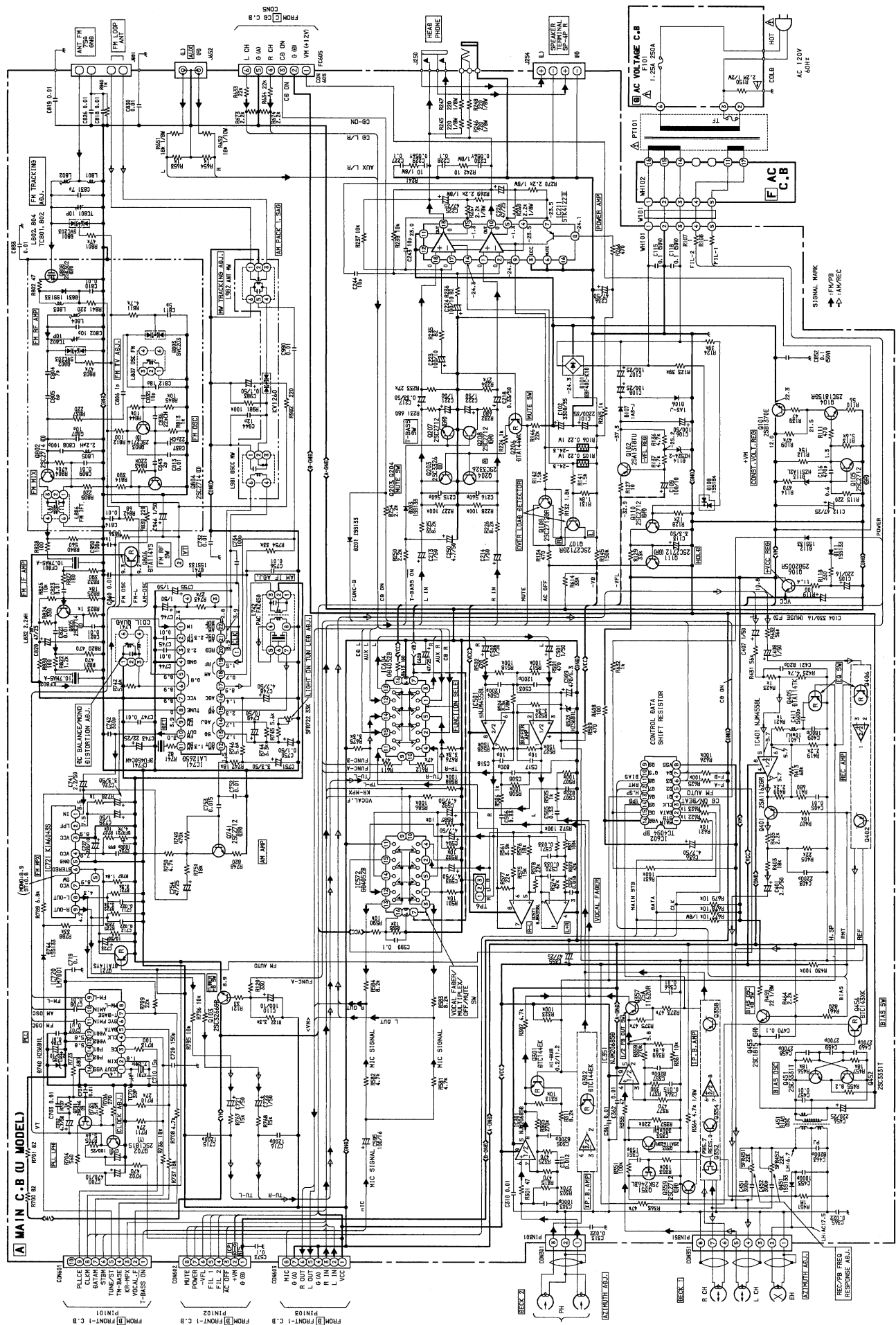
BLOCK DIAGRAM—5 (CD)



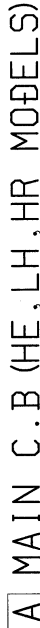
(プリント基板内のケミコンの極性表示は⊖表示です。)



SCHEMATIC DIAGRAM—1 (MAIN: U)



(プリント基板内のケミコンの極性表示は⊖表示です。)



(プリント基板内のケミコンの極性表示は⊖表示です。)



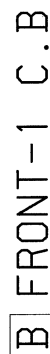
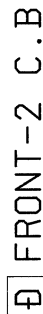
The diagram is a complex electronic schematic for a radio receiver, specifically the 'MAIN C-B (EE MODEL)' section. It features several key components and sections:

- Power Supply Section:** Located at the top right, it includes an AC voltage transformer (C-B) connected to a live line, providing power to the receiver.
- Vacuum Tubes:** The circuit utilizes three main vacuum tubes: a 6X4 rectifier tube, a 6AR5 pentode-tetrode tube for the detector and first audio amplifier stage, and a 6AV6 beam power tube for the final audio amplification and push-pull output stage.
- Detector and Tuning Indicator:** The center portion of the diagram contains the detector stage, which includes a tuned circuit with variable capacitors and coils, and a tuning eye mechanism for visual feedback during tuning.
- Audio Amplifier and Output Stage:** The bottom half of the schematic shows the audio amplifier stages, including a push-pull output stage driven by the 6AV6 tube, connected to a speaker or headphones.
- Control Elements:** Various controls are shown, such as a volume knob (VOLUME CONTROL) and a tuning eye (TUNING EYE).
- Component Values:** Numerous component values are specified throughout the diagram, including resistor values (e.g., 10K, 1M, 100K) and capacitor values (e.g., .001, .01, .0001).
- Labels and Annotations:** The diagram includes numerous labels for components and sections, such as 'HEAD FLEX C-B', 'AC VOLTAGE C-B', 'RECEIVER RESPONSE A.B.L.', and 'MAIN C-B (EE MODEL)'.

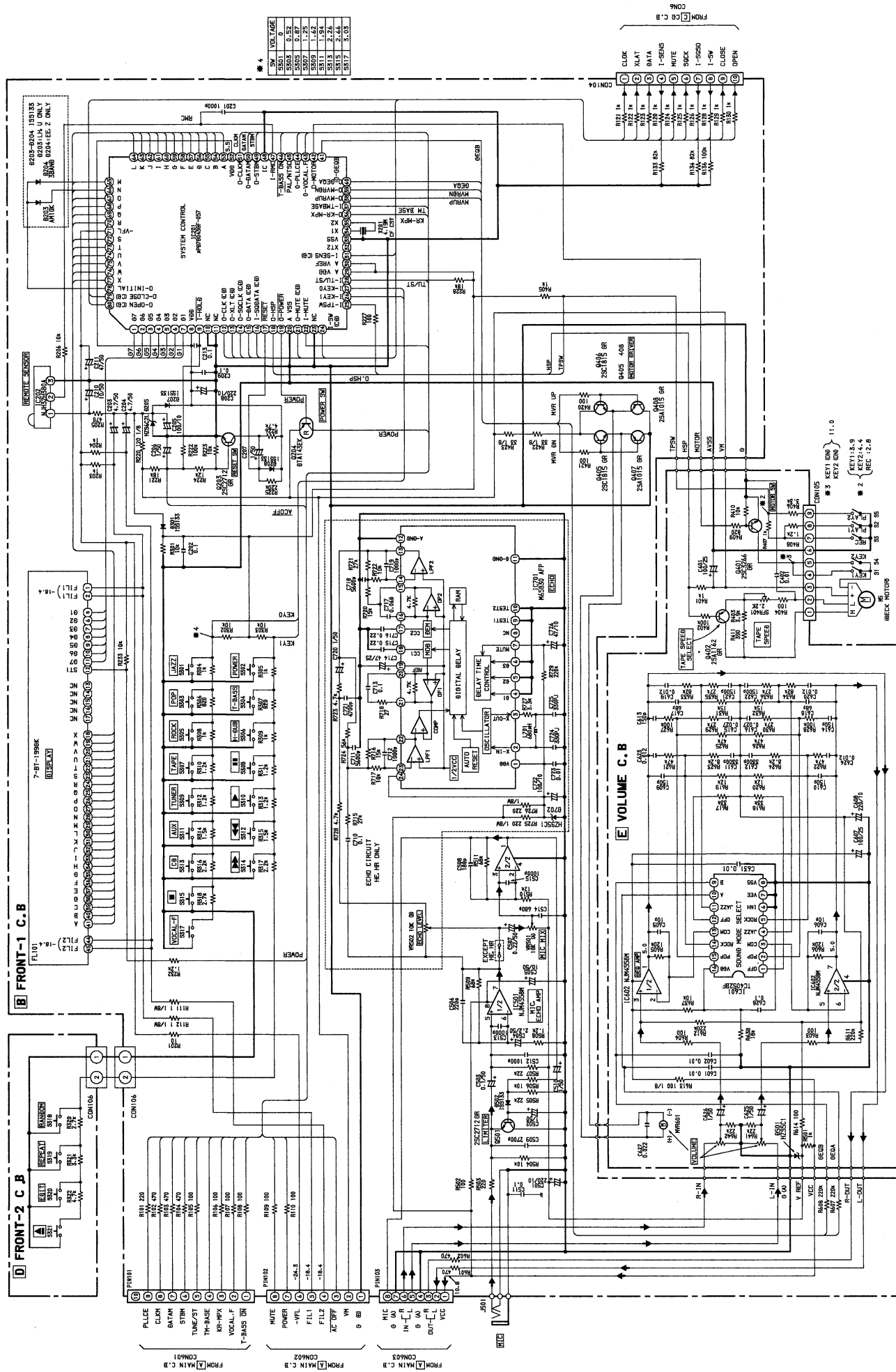
(プリント基板内のケミコンの極性表示は⊖表示です。)



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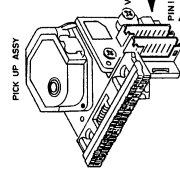
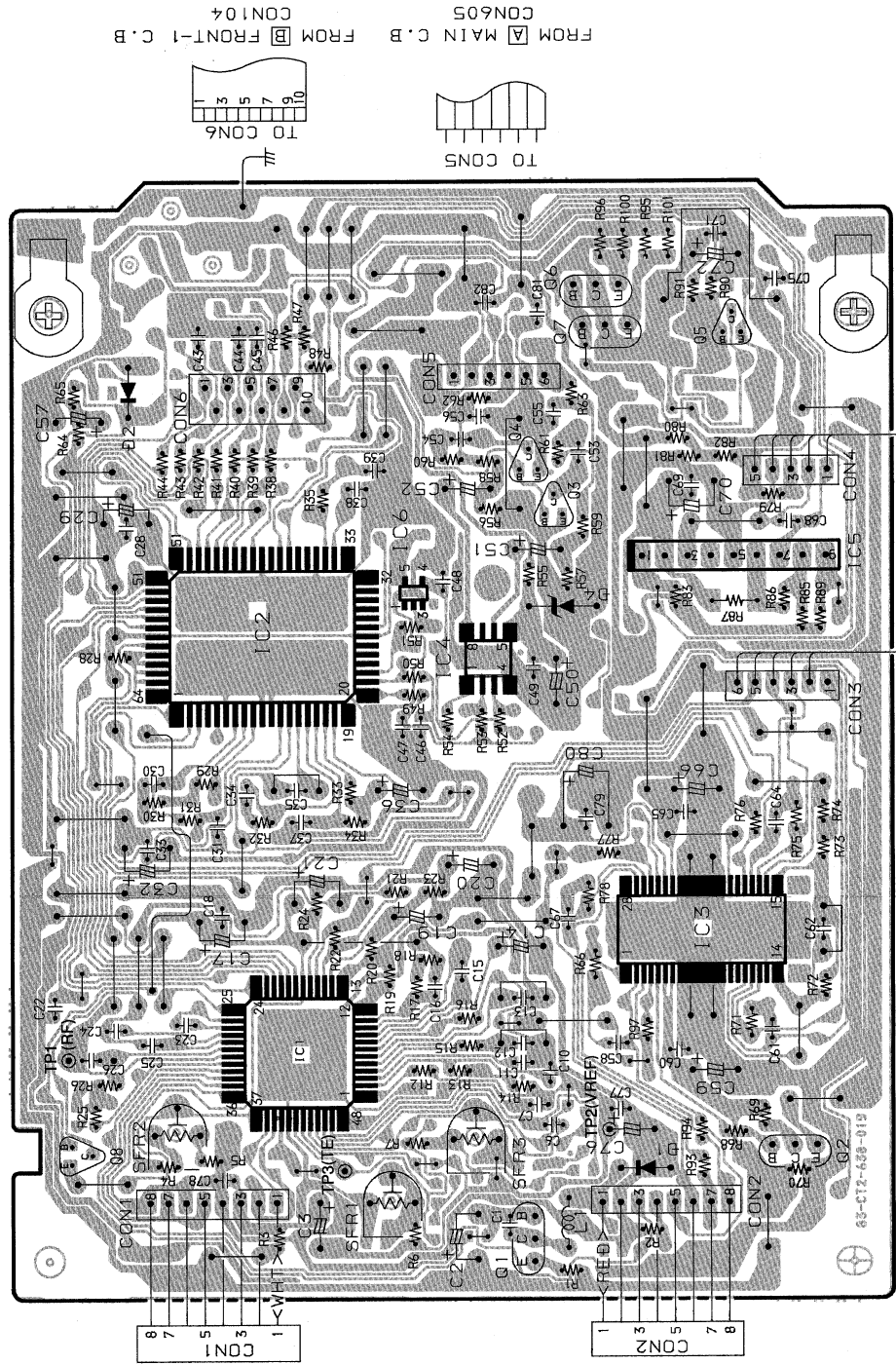


SCHEMATIC DIAGRAM—5 (FRONT)

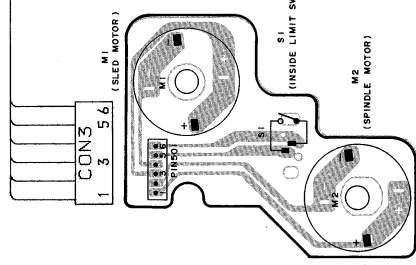


GRAPHIC SYMBOLS PRINTED CIRCUIT BOARD OF
ELECT. CAP. ARE DESIGNED AS NEGATIVE POLE.
(プリント基板内のケミコンの極性表示は⊖表示です。)

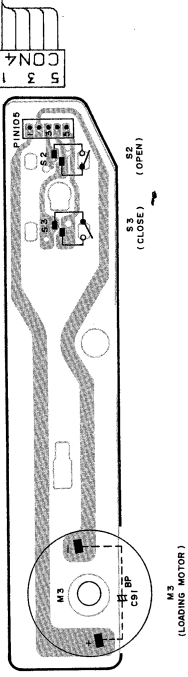
C C D C . B



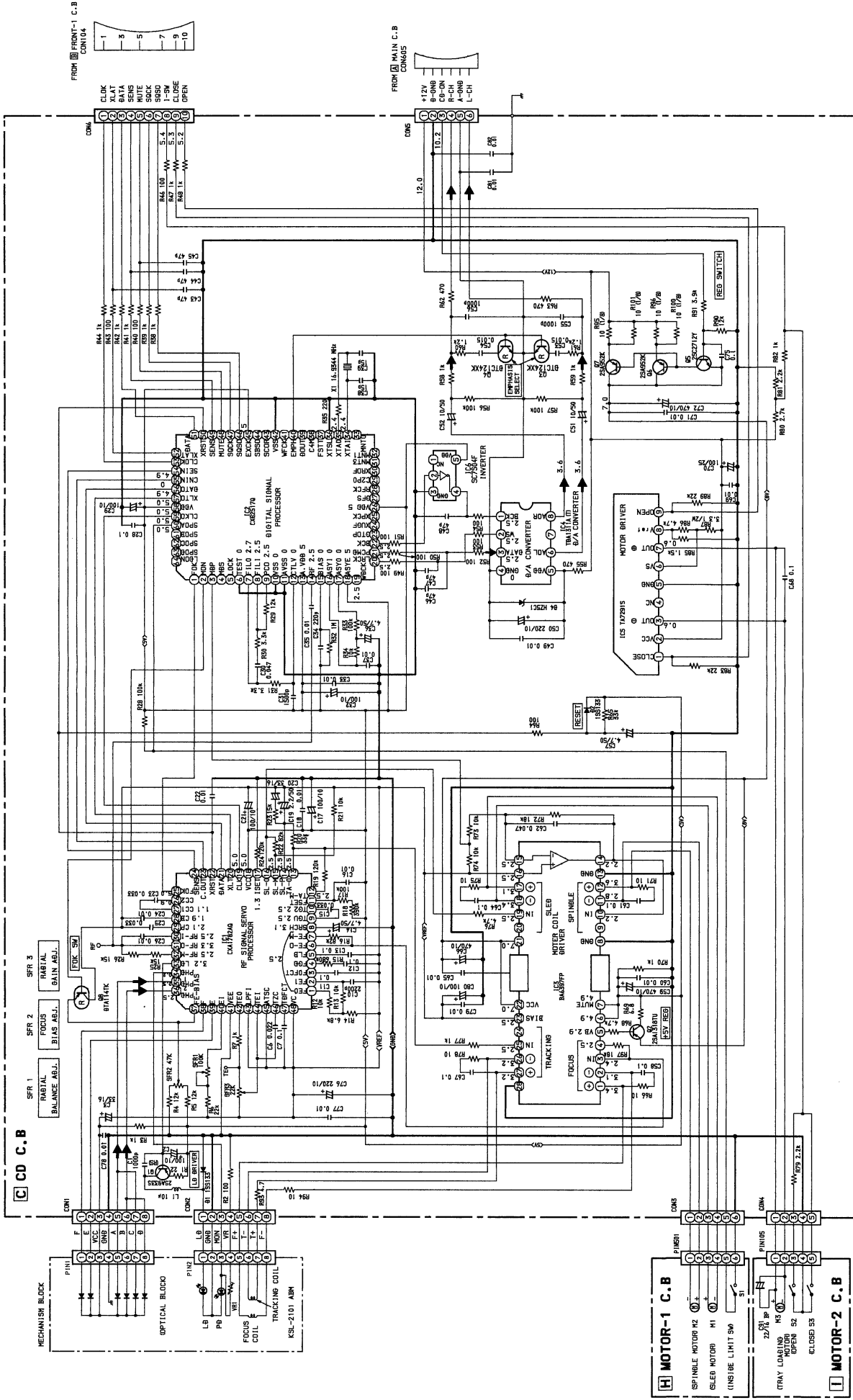
H MOTOR-1
C.B



I MOTOR-2
C.B

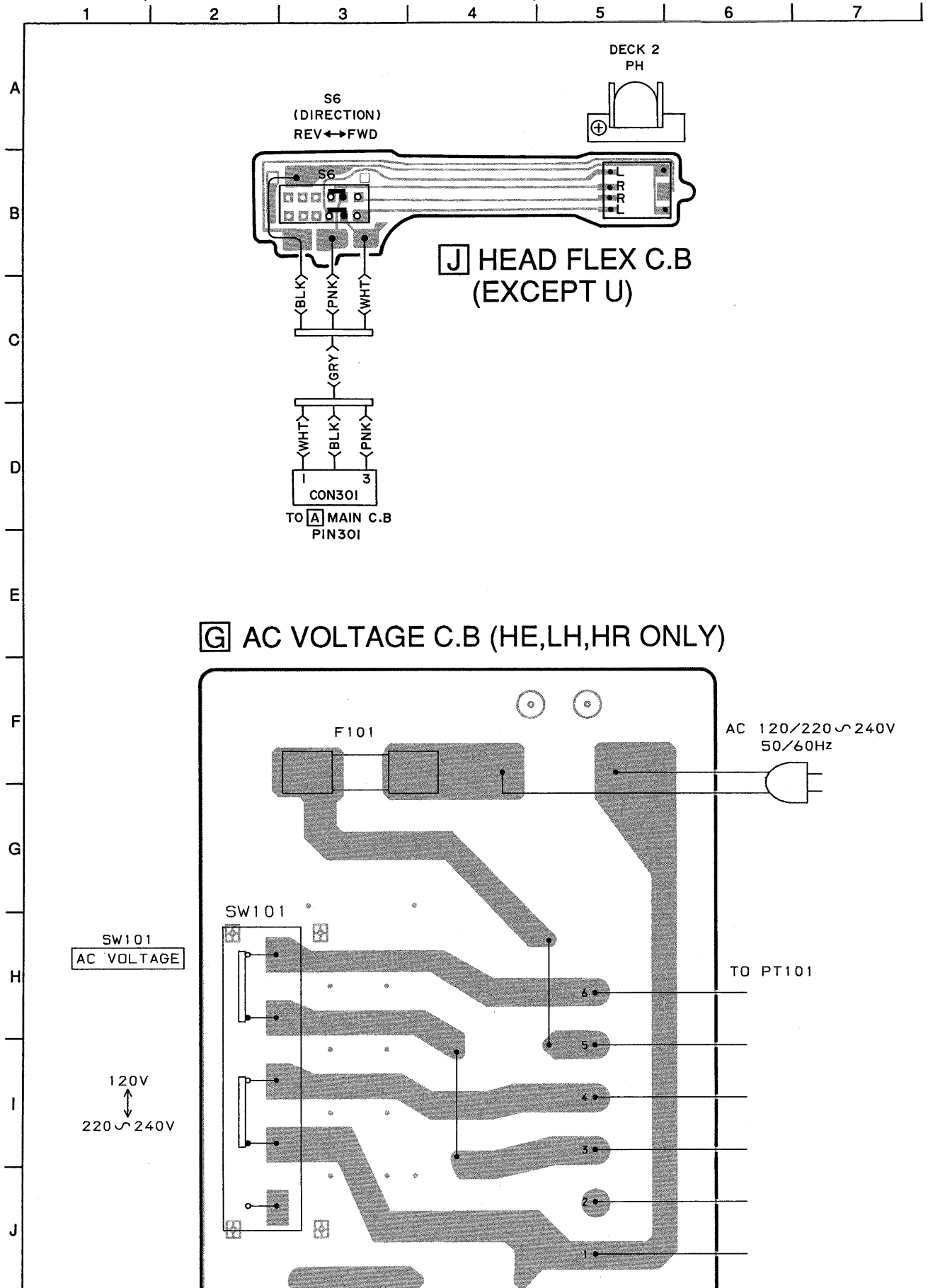


SCHEMATIC DIAGRAM—6 (CD)

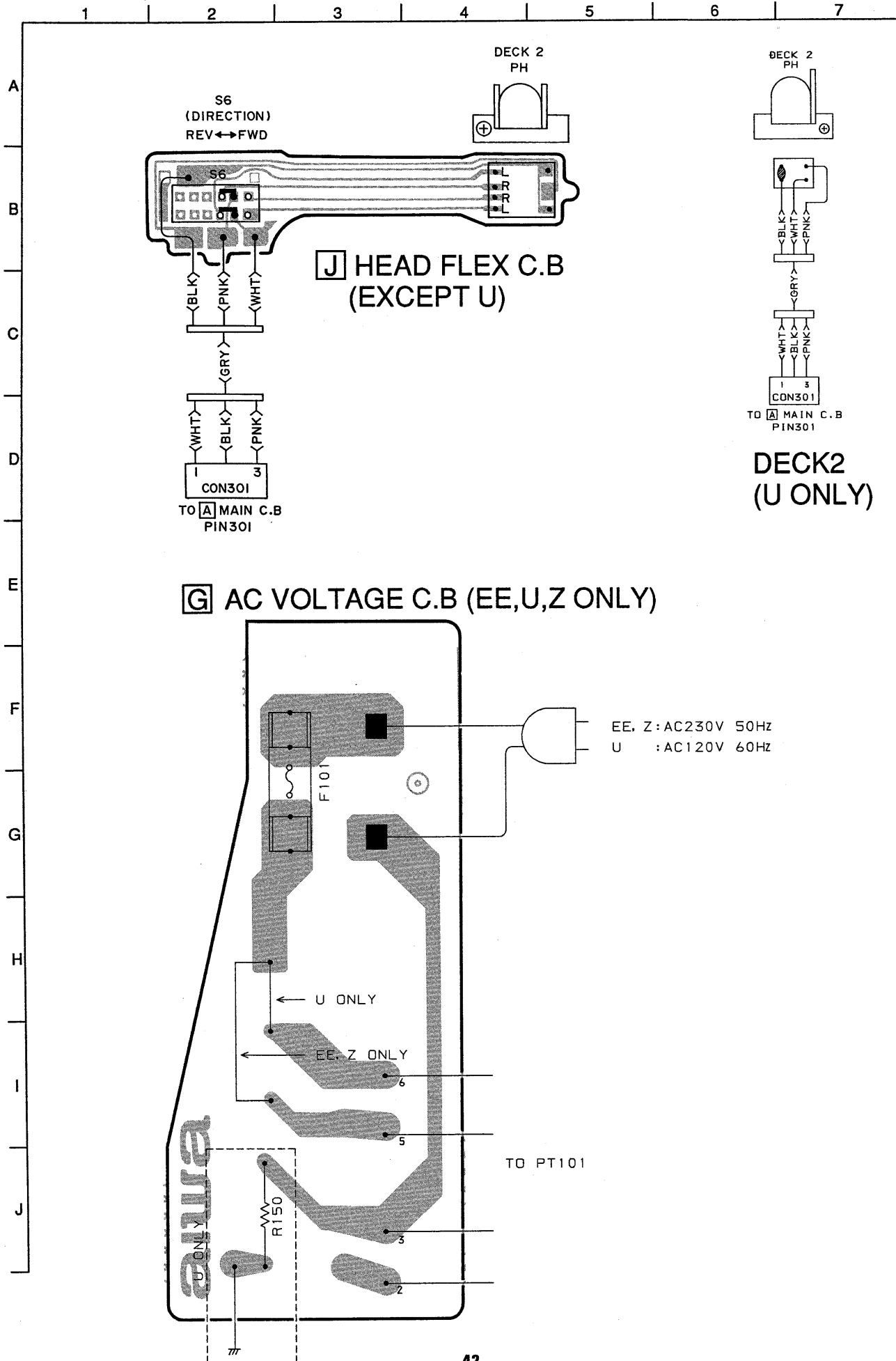


SIGNAL ← CD PLAY

WIRING—7 (AC VOLTAGE/HEAD FLEX: HE, LH, HR)



WIRING—8 (AC VOLTAGE/HEAD FLEX: EE, U, Z)



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.	カンリ NO.	DESCRIPTION
1	83-NEA-902-010		IB, H(J) (LH)
1	83-NEA-904-010		IB, H(S) (EE, Z, HR, HE)
1	83-NEA-906-010		IB, U(S) (U)
2	83-NEA-905-010		IB, E(S) (EE, Z)
3	87-043-115-010		ANT, FEEDER FM (HR, HE)
3	81-748-632-010		FEEDER ANT FMN (EE, U, LH)
3	87-043-106-010		FM, WIRE ANT (Z) (Z)
4	83-NEA-701-010		RC, RC-TN270
5	87-006-225-010		AM LOOP ANT NC2 (EXCEPT EE)
5	87-006-226-010		AM LOOP ANT C0 (EE)
6	87-042-062-010		PLUG, ADPTR S-16115 (HR, HE)
6	87-009-724-010		PLUG, ADPTR, 1R39 (LH)

SPEAKER 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
=== SX-N340 ===				=== SX-N3200 ===			
1	82-NS7-007-010		PANEL FR LH	1	82-NS7-002-010		PANEL FR L
2	82-NS7-008-010		PANEL FR RH	2	82-NS7-003-010		PANEL FR R
3	82-NS7-014-010		GRILL FRAME ASSY L	3	82-NS7-014-010		GRILL FRAME ASSY L
4	82-NS7-015-010		GRILL FRAME ASSY R	4	82-NS7-015-010		GRILL FRAME ASSY R
5	83-NS2-602-010		SPEAKER WOOFER	5	83-NS2-602-010		SPEAKER WOOFER
6	83-NS2-604-010		SPEAKER TWEETER	6	83-NS2-604-010		SPEAKER TWEETER
7	81-MSE-610-010		CERAMIC	7	81-MSE-610-010		CERAMIC
8	83-096-614-010		SPEAKER CORD	8	83-096-614-010		SPEAKER CORD

IC DESCRIPTION

IC,CXD2517Q

P i n N o .	P i n N a m e	I / O	D e s c r i p t i o n
1	FOK	I	Focus OK input pin. Used for SENS output and servo automatic sequencer.
2	MON	O	The spindle motor ON/OFF control output.
3	MDP	O	Controls the spindle motor servo.
4	MDS	—	Not used.
5	LOCK	—	Not used.
6	TEST	I	Test pin. Connected to GND.
7	F I L O	O	Filter output for master PLL (Secondary = Digital PLL).
8	F I L I	I	Filter input for master PLL.
9	P C O	O	Charge pump output for master PLL.
10	V S S	—	GND
11	A V S S	—	Analog GND
12	C L T V	I	VCO control voltage input for the master.
13	A. VDD	—	Analog power supply (+ 5 V).
14	R F	I	EFM signal input.
15	B I A S	I	Asymmetry circuit regular current input.
16	A S Y I	I	Asymmetry comparison voltage input.
17	A S Y O	O	EFM full-swing output (L = VSS, H = VDD).
18	A S Y E	I	L: Asymmetry circuit off H: Asymmetry circuit on (connected to + 5 V)
19	W D C K	—	Not used.
20	L R C K	O	D/A interface. LR clock f = Fs.
21	P C M D	O	D/A interface. Serial data (2's complement, MSB first).
22	B C K	O	D/A interface. Bit clock.
23	G T O P	—	Not used.
24	X U G F	—	Not used.
25	X P C K	—	Not used.
26	V D D	—	Power supply (+ 5 V)
27	G F S	—	Not used.
28	R F C K	—	Not used.
29	C 2 P O	—	Not used.
30	X R O F	—	Not used.
31	M N T 3	—	Not used.
32	M N T 1	—	Not used.
33	M N T 0	—	Not used.
34	X T A I	I	Xtal oscillation circuit input of 16.9344 MHz.
35	X T A O	O	Xtal oscillation circuit output of 16.9344 MHz.
36	X T S L	I	Xtal selection input pin. Connected to GND.
37	F S T T	—	Not used.
38	C 4 M	—	Not used.
39	D O U T	—	Not used.
40	EMPH	O	H is output when the played disc has emphasis. L is output when the played disc has not emphasis.

Pin No.	Pin Name	I/O	Description
41	WFCK	—	Not used.
42	VSS	—	GND
43	SCOR	—	Not used.
44	SBSO	—	Not used.
45	EXCK	—	Connected to + 5 V.
46	SQSO	O	Serial output data of SubQ 80 bits.
47	SQCK	I	Clock input for the SQSO read out.
48	MUTE	I	H: Mute, L: Release
49	SENS	O	SENS output. Output to CPU (μ PD78043GF).
50	XRST	I	System resetting. L: Resets the system.
51	DATA	I	Serial data input from CPU (μ PD78043GF).
52	XLAT	I	Latch input from CPU (μ PD78043GF). Serial data is latched at falling edge.
53	CLOK	I	Serial data transfer clock input from CPU (μ PD78043GF).
54	SEIN	I	SENS input from SSP (CXA1782AQ).
55	CNIN	I	Signal which counts the number of track jumps is input.
56	DATO	O	Serial data output to SSP (CXA1782AQ).
57	XLTO	O	Serial data latch output to SSP (CXA1782AQ). Data is latched at the falling edge.
58	VDD	—	Power supply (+ 5 V).
59	CLKO	O	Serial data transfer clock output to SSP (CXA1782AQ).
60	SPOA	I	Inside limit SW signal input.
61	SPOB	I	Not used.
62	SPOC	I	Not used.
63	SPOD	I	Not used.
64	XLON	O	Not used.

IC,CXA1782AQ

Pin No.	Pin Name	I/O	Description
1	FEO	O	Focus error amplifier output pin. This pin is connected to the FZC comparator input internally.
2	FEI	I	Focus error input pin.
3	FDFCT	I	Capacitor connection pin for time constant used when there is defect.
4	FGD	I	Corrects the focus servo high frequency gain.
5	FLB	I	This is a pin where the time constant is externally connected to raise the low frequency gain of the focus servo.
6	FE-O	O	Focus drive output.
7	FE-M	I	Focus amplifier inverted input pin.
8	SRCH	I	This is a pin where the time constant is externally connected to generate the focus search waveform.
9	TGU	I	This is a pin where the selection time constant is externally connected to set the tracking servo the high frequency gain.
10	TG2	I	This is a pin where the selection time constant is externally connected to set the tracking high frequency gain.
11	FSET	I	Pin for setting peak of the phase compensator of the focus tracking.
12	TA-M	I	Tracking amplifier inverted input pin.
13	TA-O	O	Tracking drive output.
14	SL-P	I	Sled amplifier non-inverted input pin.

P i n N o.	P i n N a m e	I / O	D e s c r i p t i o n
1 5	S L - M	I	Sled amplifier inverted input pin.
1 6	S L - O	O	Sled drive output.
1 7	I S E T	I	The current which determines height of the focus search, track jump and sled kick is input.
1 8	V C C	—	+ 5 V power supply pin.
1 9	C L K	I	Serial data transfer clock input from CPU (CXD2517Q).
2 0	X L T	I	Latch input from CPU (CXD2517Q).
2 1	D A T A	I	Serial data input from CPU (CXD2517Q).
2 2	X R S T	I	Reset input pin. Reset at L.
2 3	C. O U T	O	Signal output to count the number of tracks.
2 4	S E N S	O	FZC, DFCT, TZC, Gain or BAL is output depending on the command from CPU (CXD2517Q).
2 5	F O K	O	Output pin of the focus OK comparator.
2 6	C C 2	O	Input pin where the DEFECT bottom hold output is capacitance coupled.
2 7	C C 1	I	DEFECT bottom hold output pin.
2 8	C B	I	This is a pin where the DEFECT bottom hold capacitor is connected.
2 9	C P	I	This is a pin where the MIRR hold capacitor is connected and MIRR comparator non-inverted signal is input.
3 0	R F - I	I	Input pin where the RF summing amplifier output is capacitance coupled.
3 1	R F - O	O	RF summing amplifier output pin. (TP1)
3 2	R F - M	I	RF summing amplifier inverted input pin. Gain of RF amplifier is determined by the resistor connected between RF-O and this pin.
3 3	L D	O	APC amplifier output pin.
3 4	P H D	I	APC amplifier input pin.
3 5 ~ 3 6	P H D 1 ~ 2	I	RF I-V amplifier inverted input pin. These pins are connected to the A+C and B+D pins of the optical pickup.
3 7	F E - B I A S	I	Bias adjustment pin of the non-inverted side of the focus error amplifier.
3 8 ~ 3 9	F ~ E	I	F and E I-V amplifier non-inverted input pins. These pins are connected to the F and E of the optical pickup.
4 0	E I	—	Gain adjustment pin of the I-V amplifier E.
4 1	V E E	—	GND connection pin
4 2	T E O	O	Tracking error amplifier output pin. E-F signal is output.
4 3	L P F I	I	BAL adjustment comparator input pin. Connected to VREF.
4 4	T E I	I	Tracking error input pin.
4 5	A T S C	I	Window comparator input pin for detecting ATSC.
4 6	T Z C	I	Tracking zero-cross comparator input pin.
4 7	T D F C T	I	Capacitor connection pin for the time constant used when there is defect.
4 8	V C	O	DC voltage output pin of VREF. (VCC/2)

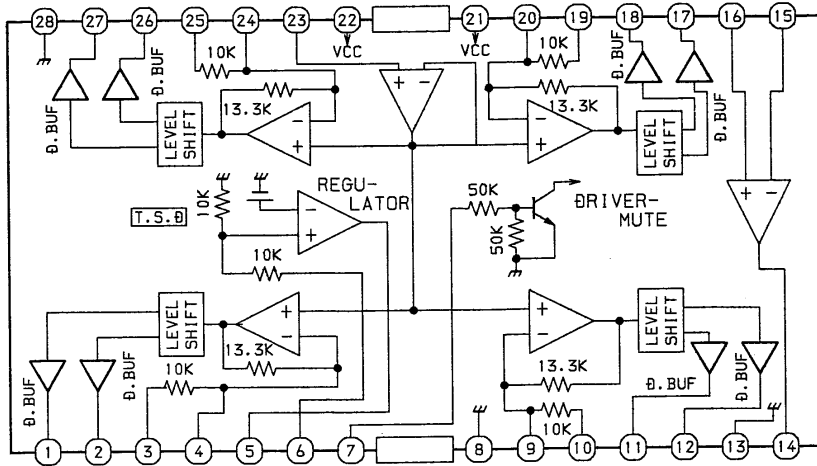
IC, μ PD78043GF-057

Pin No.	Pin Name	I/O	Description
1	G7	O	FL display grid output.
5	5		
7	G1		
8	VDD	—	Power supply. (+5.5V)
9	I-HOLD	I	"L" when AC power turns off. Then the microcomputer is held.
10	NC	—	Not used.
11	NC	—	Not used.
12	O-CLK (CD)	O	Serial data clock signal for the CD.
13	O-XLT (CD)	O	Latch signal. Data is latched at the falling edge.
14	O-SQCLK (CD)	O	Clock signal to read and write the data to and from the CD.
15	O-DATA (CD)	O	Serial data for the CD.
16	I-SQDATA (CD)	I	Serial signal of SUBQ. (80bits)
17	RESET	I	Reset signal.
18	O-HSP	O	Tape speed switching signal.
19	O-POWER	O	Power on/off control.
20	AVSS	—	GND.
21	O-MUTE (CD)	O	Mute signal for the CD.
22	I-MUTE	I	Mute control.
23	NC	—	Not used.
24	I-SW (CD)	I	OPEN/CLOSE detection voltage input from the CD. (A/D input)
25	I-TPSW	I	Tape-1 or tape-2 detection voltage input. (A/D input)
26	I-KEY1	I	Key data input. (A/D input)
27	I-KEY0	I	
28	I-TU/ST	I	Detection voltage input of tuner reception or stereo reception. (A/D input)
29	AVDD	—	Analog power supply for A/D input.
30	AVREF	I	Reference voltage for A/D input. (Connected to AVDD)
31	I-SENS (CD)	I	Sense signal from the CD.
32	XT2	—	Not used.
33	VSS	—	GND.
34	X1	I	4.19MHz system clock oscillation circuit.
35	X2	—	
36	O-KR-MPX	O	Vocal fader/multi-sound/off switching signal.
37	I-TMBASE	I	Time base input for the clock. (8Hz)
38	O-MVR UP	O	Main volume motor up/down control.
39	O-MVR DN	O	
40	O-GEQ A	O	GEQ switching signal. (IC601)
41	O-GEQ B	O	
42	O-MOTOR	O	Deck motor control signal.
43	O-VOCAL F	O	Vocal fader/multi-sound/off switching signal.
44	O-PLL CE	O	Chip enable for the tuner PLL IC (IC720).
45	PAL/NTSC	O	PAL/NTSC switching for the CD-Graphics. (Not used)

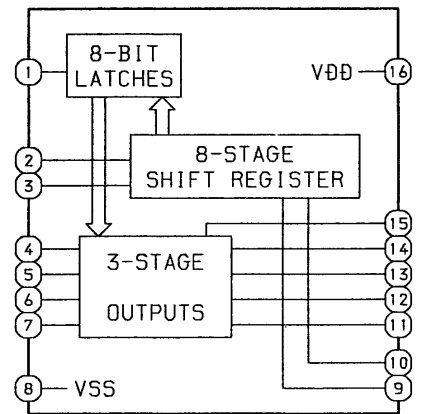
Pin No.	Pin Name	I/O	Description
46	T-BASS ON	O	T-BASS on/off control.
47	I-RMC	I	Remote control signal input.
48	IC	—	GND.
49	O-STB M	O	Strobe signal for the shift register IC602 on the MAIN C.B.
50	O-DATA M	O	Serial data for the shift register IC602 and the PLL IC (IC720) on the MAIN C.B.
51	O-CLK M	O	Serial clock for the shift register IC602 and the PLL IC (IC720) on the MAIN C.B.
52	VDD	—	Power supply. (+5.5V)
53 5 70	A S R	O	FL Display segment output.
71	— VFL	—	Negative power supply for FL Display.
72 5 77	S S X	O	FL Display segment output.
78	O-INITIAL	O	Scan signal for diodes selection.
79	O CLOSE (CD)	O	CD tray close signal.
80	O-OPEN (CD)	O	CD tray open signal.

IC BLOCK DIAGRAM

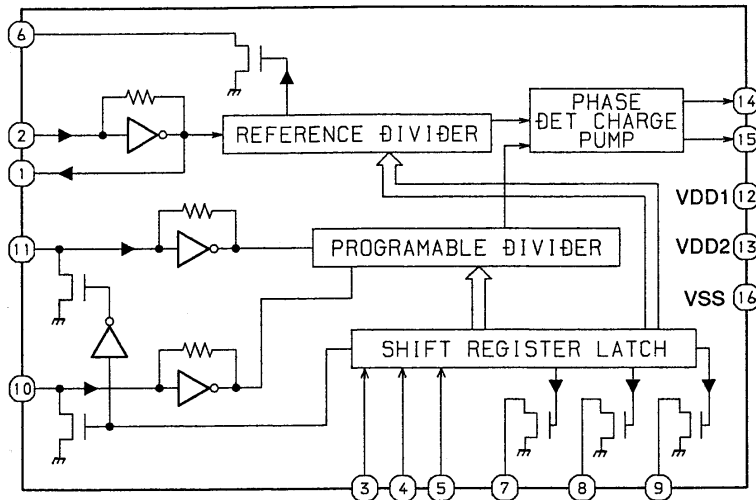
IC, BA6397FP



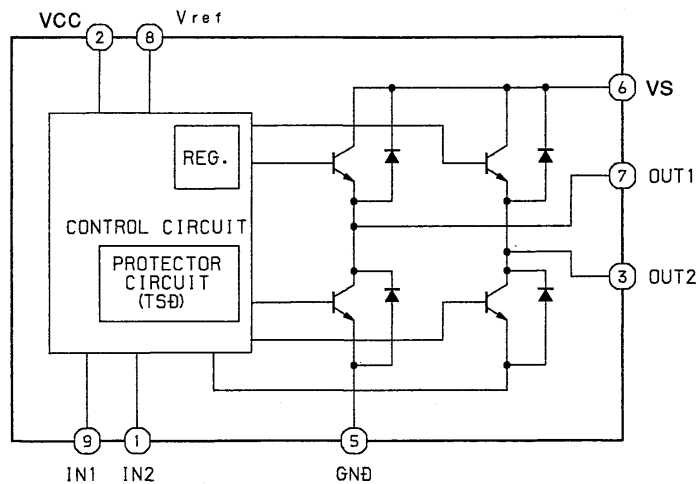
IC, TC4094BP



IC, LM7001



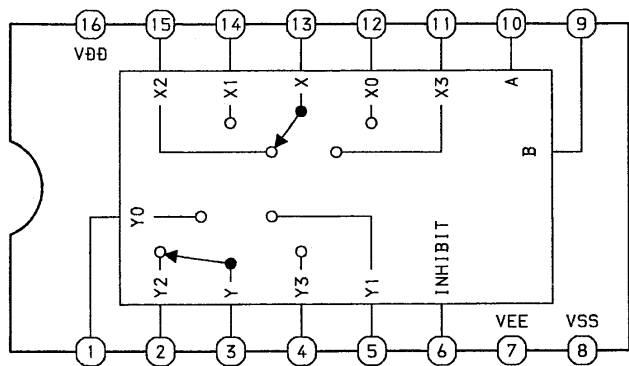
IC, TA7291



INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW
0	1	L	H	CCW
1	1	L	L	BRAKE

∞ : HI IMPEDANCE
NOTE : INPUT "H" ACTIVE

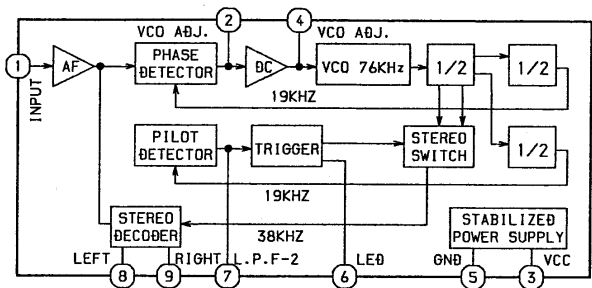
IC, TC4052



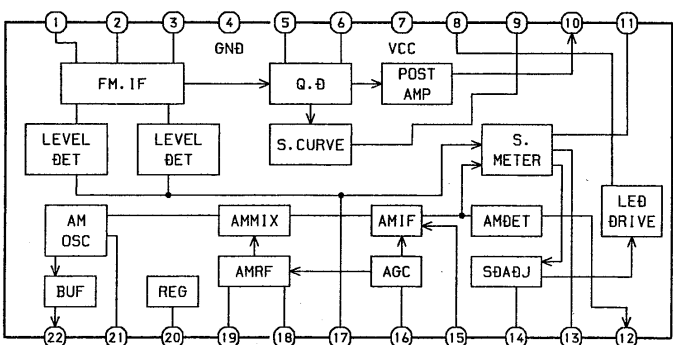
CONTROL INPUTS			ON SWITCH	
INHIBIT	B	A	Y0	X0
L	L	L	Y0	X0
L	L	H	Y1	X1
L	H	L	Y2	X2
L	H	H	Y3	X3
H	X	X	—	—

L: LOW LEVEL
H: HIGH LEVEL
X: IRRELEVANT

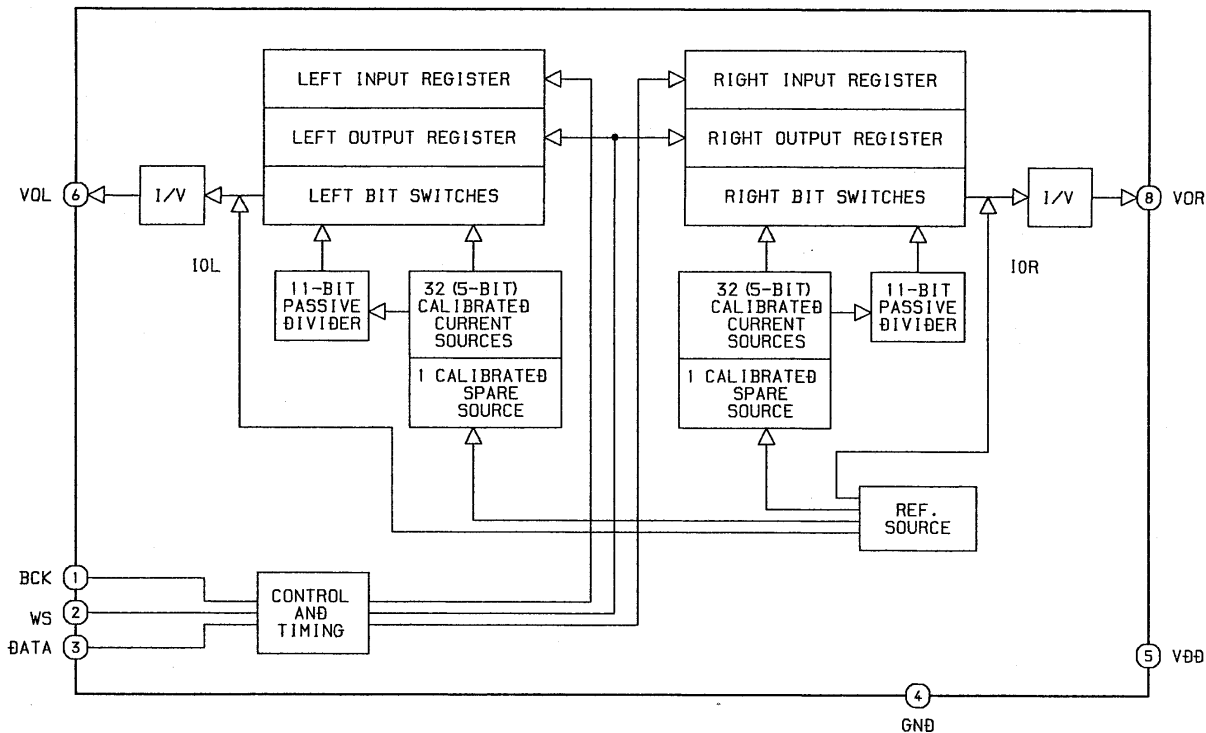
IC, KIA6043S / TA7343AP



IC, LA1265G



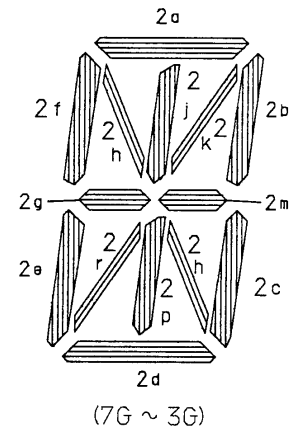
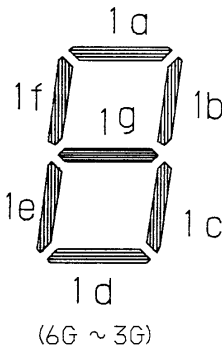
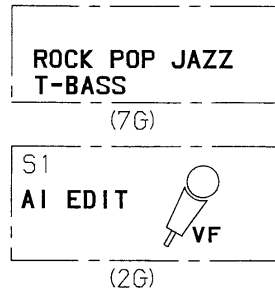
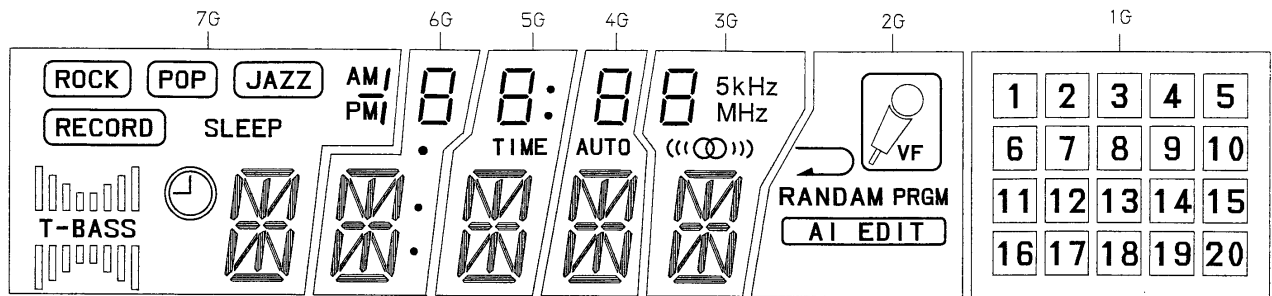
IC, TDA1311T



FL DISPLAY

GRID ASSIGNMENT

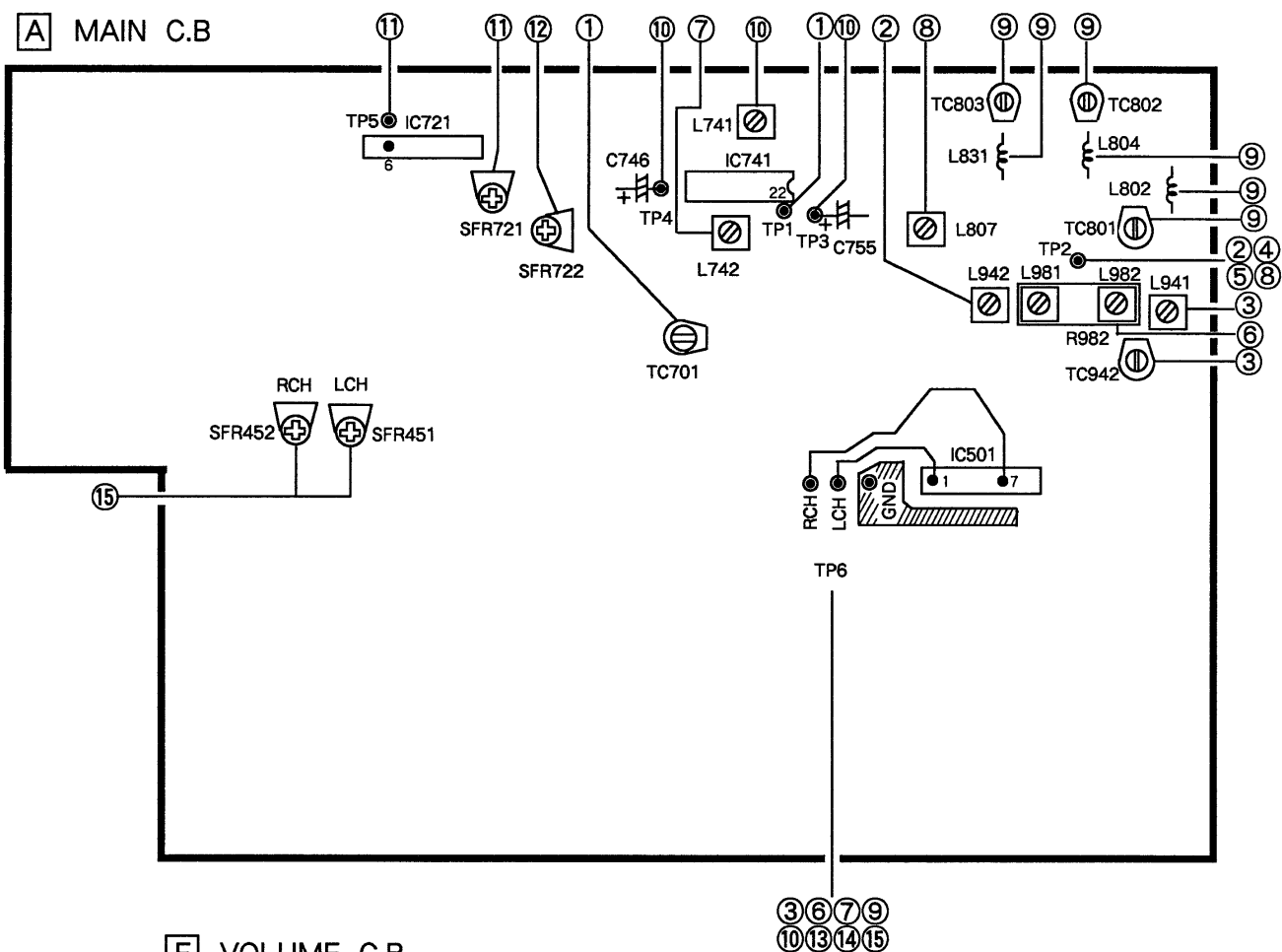
7-BT-199GK



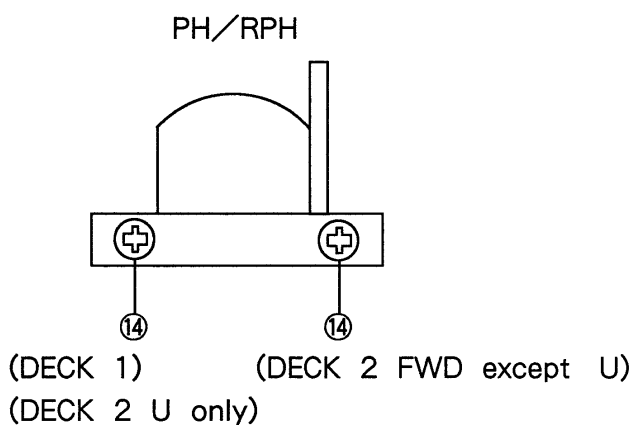
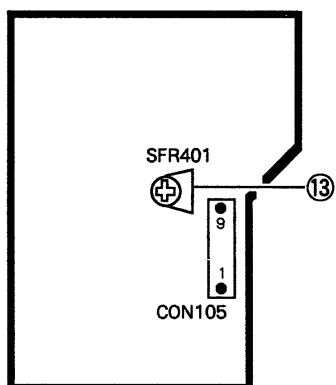
ANODE CONNECTION

	7G	6G	5G	4G	3G	2G	1G
A	2d	2d	2d	2d	2d	-	20
B	2j, 2p	2j, 2p	2j, 2p	2j, 2p	2j, 2p	-	19
C	2n	2n	2n	2n	2n	-	18
D	2r	2r	2r	2r	2r	-	17
E	2c	2c	2c	2c	2c	-	16
F	2e	2e	2e	2e	2e	-	15
G	2m	2m	2m	2m	2m	-	14
H	2g	2g	2g	2g	2g	-	13
I	2f	2f	2f	2f	2f	-	12
J	2b	2b	2b	2b	2b	-	11
K	2k	2k	2k	2k	2k	-	10
L	2h	2h	2h	2h	2h	-	9
M	2a	2a	2a	2a	2a		8
N			TUNE	AUTO	((OO))	RANDOM	7
O		O	O (下)	-	MHz	(AI EDIT)	6
P	RECORD	-	O (上)	-	kHz	-	5
Q	SLEEP	-	-	-	5	-	4
R	PM	1d	1d	1d	1d	-	3
S		1e	1e	1e	1e	-	2
T		1c	1c	1c	1c	-	1
U	AM	1g	1g	1g	1g	-	-
V	(JAZZ)	1f	1f	1f	1f	-	-
W	(POP)	1b	1b	1b	1b	PRGM	-
X	(ROCK)	1a	1a	1a	1a		-
ST1	ALWAYS LIGHT ON	-	-	-	-	S1	

ADJUSTMENT (TUNER,TAPE)



E VOLUME C.B



〈TUNER SECTION〉

1. Clock Frequency Adjustment

Settings : • Test point : TP1 (CLK)
 • Adjustment location : TC701
 Method : Set to AM 1602kHz (Except U,LH),
 1710kHz (U,LH) and adjust TC701
 so that the test point becomes
 2052kHz $\pm$ 0.01kHz (Except U,LH),
 2160kHz $\pm$ 0.01kHz (U,LH).

2. LW VT Adjustment (Z, EE only)

Settings : • Test point : TP2 (VT)
 • Adjustment location : L942
 Method : Set to LW 144kHz and adjust L942 so that
 the test point becomes 1.5V $\pm$ 0.05V.

3. LW Tracking Adjustment (Z, EE only)

Settings : • Test point : TP6
 L941 144kHz
 TC942 290kHz

4. AM (MW) VT Check (Except U, LH)

Settings : • Test point : TP2 (VT)
 Method : Set to AM 1602kHz and check that the test
 point is 6.0V $\pm$ 1.0V.

5. AM (MW) VT Check (U, LH only)

Settings : • Test point : TP2 (VT)
 Method : Set to AM 1710kHz and check that the
 test point is 7.0V $\pm$ 1.0V.

6. AM (MW) Tracking Adjustment

Settings : • Test point : TP6
 • Adjustment location : L982
 Method : Set to AM 999kHz and adjust L982 so that
 the test point becomes 53 $\pm$ 6dB.

7. AM IF Adjustment

Settings : • Test point : TP6
 L742 450kHz

8. FM VT Adjustment

Settings : • Test point : TP2 (VT)
 • Adjustment location : L807
 Method : Set to FM 87.5MHz and adjust L807
 so that the test point becomes
 1.70V $\pm$ 0.05V.

9. FM Tracking Adjustment

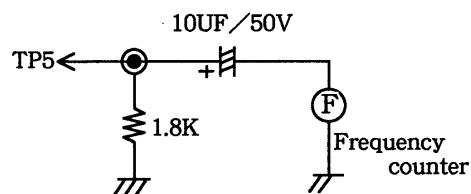
Settings : • Test point : TP6
 (Except Z)
 TC801,TC802 108MHz
 L802,L804 87.5MHz
 (Z only)
 TC801,TC802,TC803 108MHz
 L802,L804,L831 87.5MHz

10. DC Balance/MONO Distortion Adjustment

Settings : • Test point : TP3,TP4 (DC balance)
 TP6 (Distortion)
 • Adjustment location : L741
 • Input level : 54dB
 Method : Set to FM 98.0MHz and adjust L741
 so that the voltage between TP3 and TP4
 becomes 0V $\pm$ 0.02V.
 Next check that the distortion is less than
 0.9%.

11. MPX VCO Adjustment

Settings : • Test point : TP5
 • Adjustment location : SFR721
 • Input level : 54dB (modulation OFF)
 Method : Connect a capacitor and a resistor as
 below. Set to FM 98.0MHz and adjust
 SFR721 so that the frequency at the test
 point becomes 38kHz $\pm$ 0.05kHz.



12. Light on Tuning LED Adjustment

Settings : • Adjustment location : SFR722
 • Input level : 16dB
 Method : Set to FM 98.0MHz and adjust TUNING
 LED to light on by SFR722. After that,
 LED goes out by 2dB down.

〈TAPE SECTION〉

13. Tape Speed Adjustment

Settings : • Test tape : TTA-100

- Test point : TP6
- Adjustment location : SFR401

Method : Play back the test tape, adjust SFR401 for $3000\text{Hz} \pm 10\text{Hz}$.

14. Head Azimuth Adjustment (DECK-1, DECK-2)

Settings : • Test tape : TTA-310

- Test point : TP6
- 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.

Adjust FWD side only.

Check RVS side.

15. REC/PB Frequency Response Adjustment

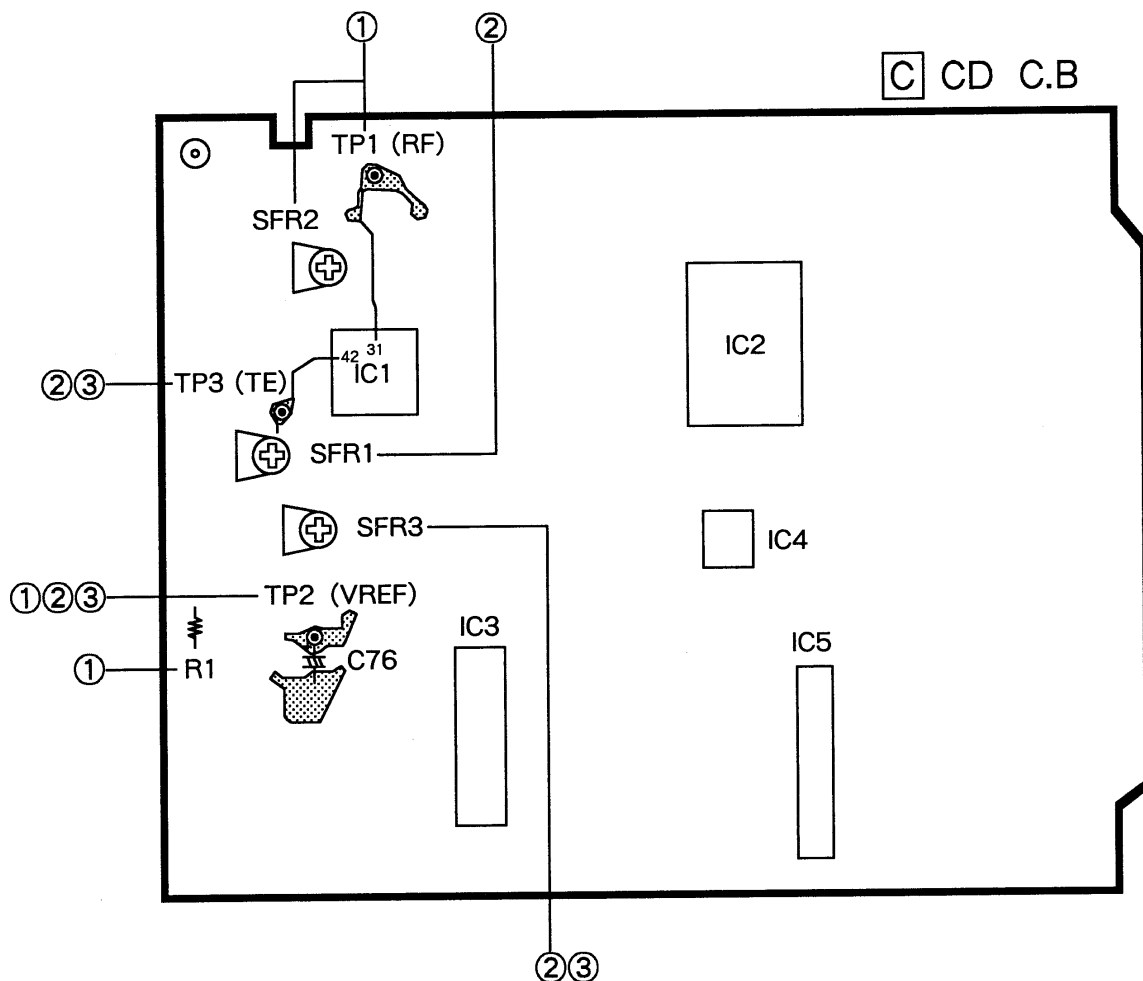
(DECK-1)

Settings : • Test tape : TTA-601

- Input : AUX - 28dB (1kHz/10kHz)
- Test point : TP6
- Input signal : 1kHz/10kHz (LINE IN)
- Adjustment location : SFR451 (Lch)
SFR452 (Rch)

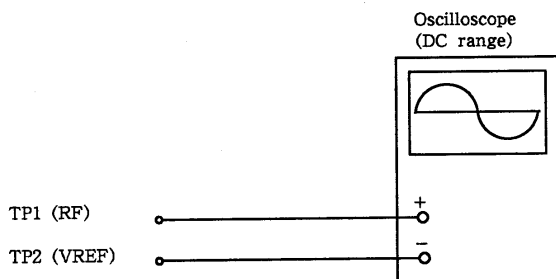
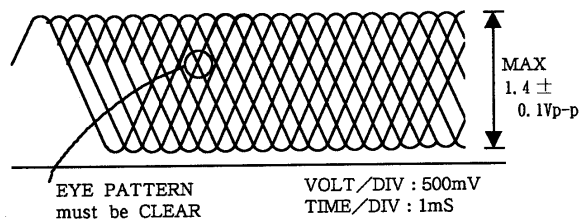
Method : Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the TP6 level of the 10kHz signal is $0\text{dB} \pm 0.5\text{dB}$ with respect to that of the 1kHz signal.

ADJUSTMENT (CD)



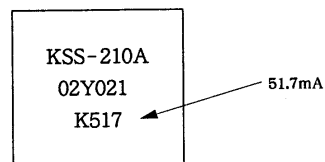
Note : Connect a probe (10:1) of the osilloscope or the frequency counter to a test point.

1. Focus Bias Adjustment
Make the focus bias adjustment when replacing and repairing the optical block.



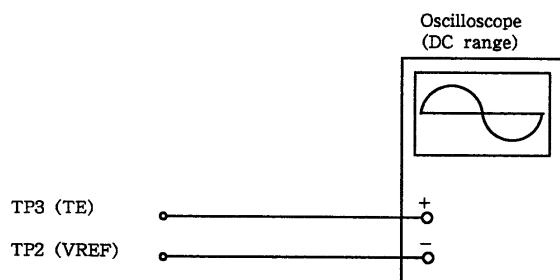
- 1) Connect an oscilloscope to the test points TP1 (RF) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert the test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Adjust SFR2 so that RF signal of the test point TP1 (RF) is MAX and CLEARREST.

Note : The current of the laser signal can be checked with the voltages on both sides of R1 (22 Ω). The difference for the specified value shown on the level must be within ±6.0mA.

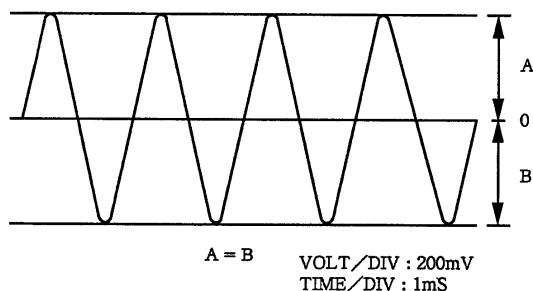


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R1}}{22 \Omega}$$

2. RADIAL Balance Adjustment



- 1) Connect an oscilloscope to the 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) Connect the intermediate point of SFR3 to TP2 (VREF).
- 5) Adjust SFR1 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. RADIAL Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has 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 gain adjustment is off, the symptoms below appear.

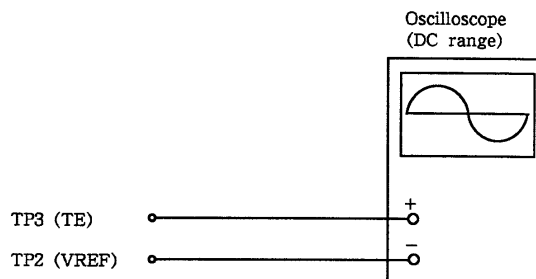
Symptoms	Gain	(Focus)	Tracking
● The time until music starts becomes longer for STOP→▶PLAY or automatic selection (◀▶ buttons pressed.) (Normally takes about 2 seconds.)		low	low or high
● Music does not start and disc continues to rotate for STOP→▶PLAY or automatic selection (◀▶ buttons pressed.)		—	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 —

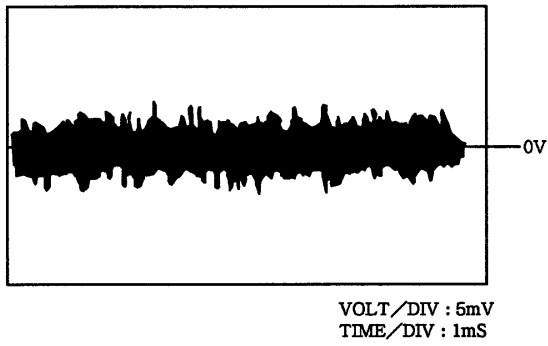
Note : Since exact adjustment cannot be performed, remember the positions of the controls before the performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure



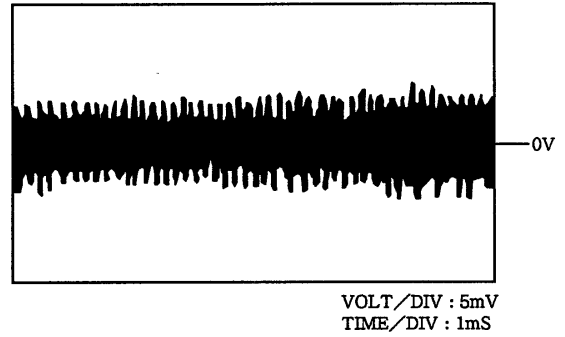
- 1) Keep the set horizontal.(If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
- 2) Insert the test disc TCD-782 (YEDS-18) and play back the second composition.
- 3) Connect an oscilloscope to TP3 (TE),TP2 (VREF) of the CD C.B.

- 4) Adjust SFR3 so that the waveform appears as shown in the figure below.(tracking gain adjustment)



High tracking gain

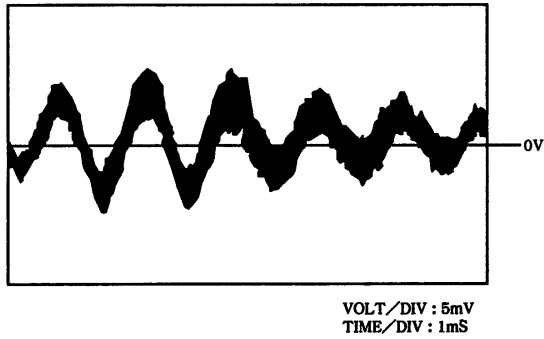
The frequency of the fundamental wave is higher than in low gain.



● Incorrect example

Low tracking gain

The fundamental wave appears as compared with the waveform adjusted.



PRACTICAL SERVICE FIGURE

TUNER SECTION

< FM SECTION >

IHF Sensitivity : $2\text{dB} \pm 6\text{dB}$
(THD 3%) (87.5/98.0/108.0MHz)
S/N 50dB Quieting sensitivity :
 $32\text{dB} \pm 5\text{dB}$
(87.5/98.0/108.0MHz)
Signal to noise ratio :
More than 62dB (98.0MHz)
Distortion : Less than 1.5 % (98.0MHz)
Stereo separation : More than 25dB (98.0MHz)
Intermediate frequency : 10.7MHz

< AM (MW) SECTION >

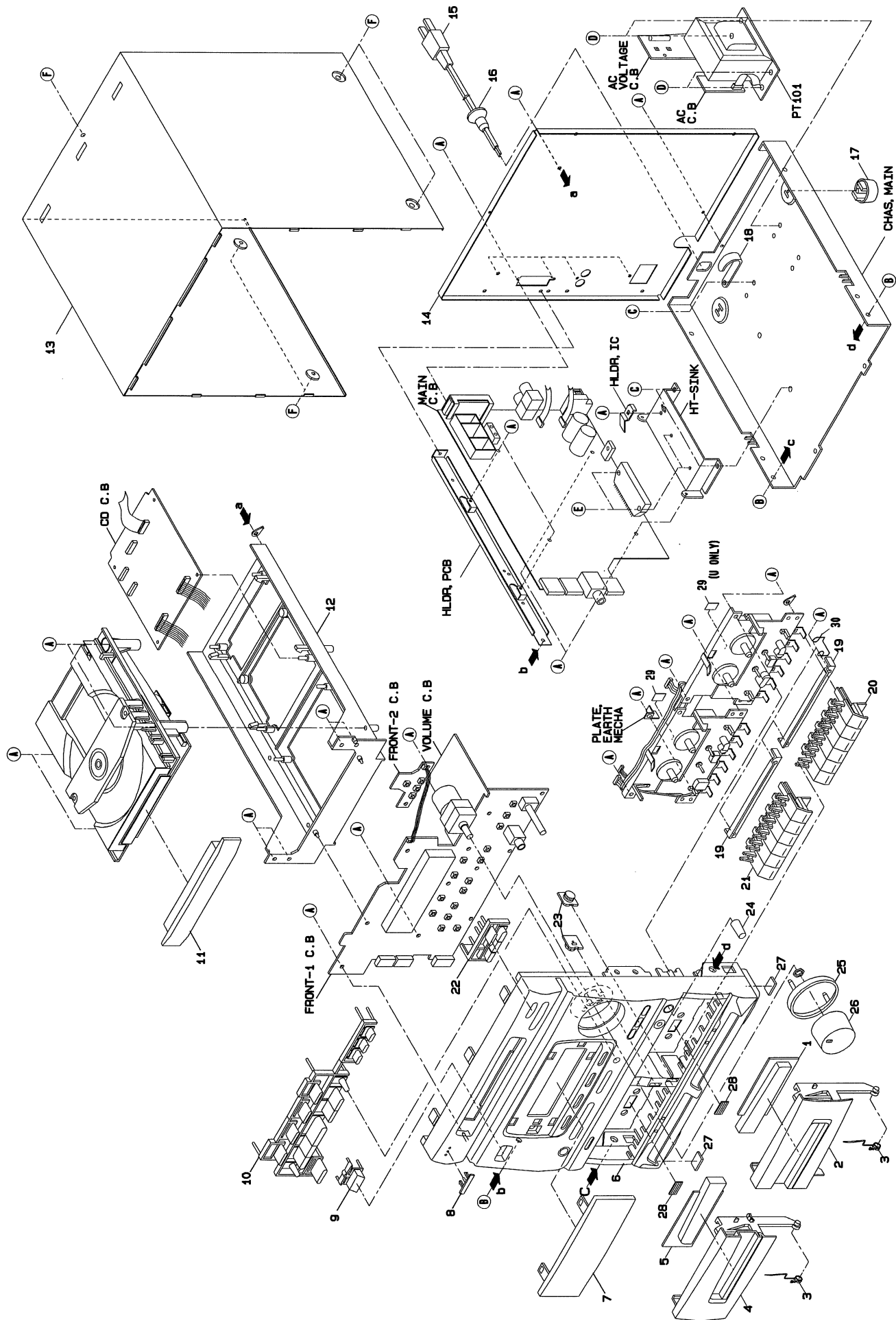
Sensitivity (Except U) : $55\text{dB} \pm 7\text{dB}$ (603kHz)
(S/N 20dB) $53\text{dB} \pm 6\text{dB}$ (999kHz)
 $53\text{dB} \pm 6\text{dB}$ (1404kHz)
Sensitivity (U Only) : $55\text{dB} \pm 7\text{dB}$ (620kHz)
(S/N 20dB) $53\text{dB} \pm 6\text{dB}$ (1000kHz)
 $53\text{dB} \pm 6\text{dB}$ (1410kHz)
Distortion : Less than 2.0 % (999kHz)
Intermediate frequency : 450kHz

< LW SECTION > (Z, EE MODELS)

Sensitivity : $66\text{dB} \pm 5\text{dB}$ (144kHz)
(S/N 20dB) $64\text{dB} \pm 5\text{dB}$ (198kHz)
 $64\text{dB} \pm 5\text{dB}$ (290kHz)
Distortion : Less than 1.5 % (198kHz)
Intermediate frequency : 450kHz

TAPE SECTION

Tape speed : $3000\text{Hz} \pm 3.0\%$
Wow & flutter : Less than 0.35 % (R.M.S)
Take-up torque : 30~60g-cm (FWD, REV)
F.F torque : 55~140g-cm
Rew torque : 55~140g-cm
Back tension : 2~5g-cm
PB Output level : $1250 \pm 300\text{mV}$ (TP6)
REC/PB Output level : $800\text{mV} \pm 2.0\text{dB}$ (TP6)
Distortion (REC/PB) : Less than 2 % (NORM)
Noise level (PB) : Less than 5mV (TP6)
Noise level (REC/PB) : Less than 8mV (TP6)
Crosstalk : More than 55dB
Erasing ratio : More than 55dB
Channel separation : More than 35dB
REC bias frequency : 85kHz
Test tape : NORMAL TTA - 601/600
NORMAL TTA - 200

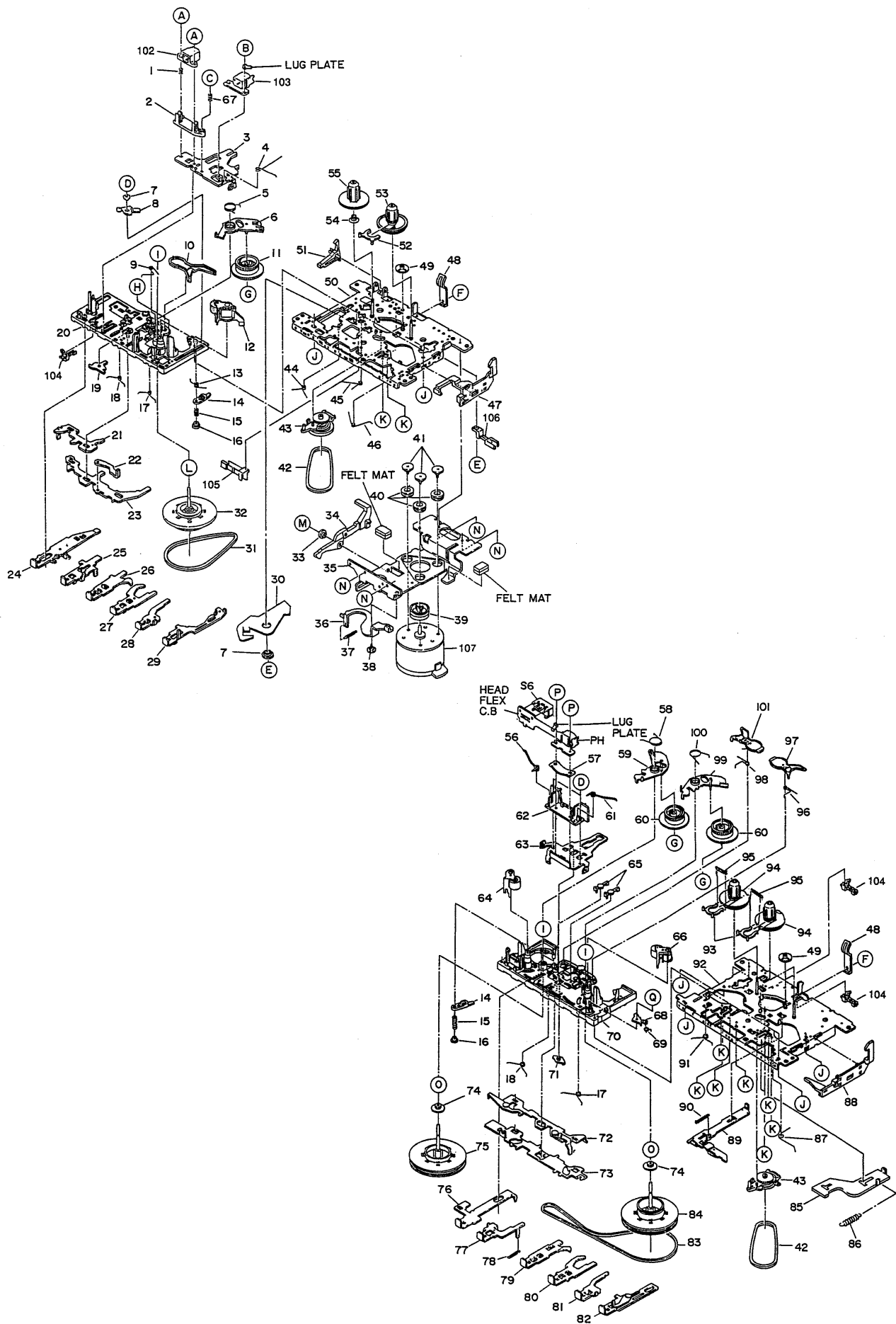


MECHANICAL PARTS LIST—1/1

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	82-NF7-013-010		WINDOW, CASS 2	18	87-064-080-010		WIRE BINDER
2	82-NF7-004-010		BOX, CASS 2(EXCEPT 2700U)	19	82-NF7-204-010		HLDR, KEY
2	82-NF7-038-010		BOX, CASS 2 U(2700U)	20	82-NF7-008-010		KEY, CASS 1(2700U)
3	82-NF7-218-010		SPR-T, CASS	20	82-NF7-009-010		KEY, CASS 2(EXCEPT 2700U)
4	82-NF7-003-010		BOX, CASS 1	21	82-NF7-019-010		KEY, CASS REC
5	82-NF7-012-010		WINDOW, CASS 1	22	83-NEA-016-010		KEY, OPEN
6	83-NEA-002-210		CAB, FR E(EE, Z)	23	87-063-164-010		OIL-DMPR 80
6	83-NEA-004-010		CAB, FR HE(HR, HE)	24	81-MX4-019-010		KNOB, MIC
6	83-NEA-003-210		CAB, FR LH(LH)	25	82-NF7-014-010		RING VOL (LH, HR, HE)
6	83-NEA-001-210		CAB, FR U(2700U)	25	82-NF7-039-010		RING, VOL BLK(EE, 2700U, Z)
7	82-NF7-011-010		WINDOW, DISPLAY	26	82-NF7-010-010		KNOB, VOL
8	82-NE8-032-010		BADGE, AIWA 27. 5	27	80-VT1-202-010		FELT, 12. 5-15. 5-2
9	82-NF7-006-010		KEY, POWER	28	81-532-080-010		LBL, CASS-COMPT
10	82-NF7-007-010		KEY, FUN	29	81-584-246-010		MYLAR 5-10
11	83-NEA-015-010		PANEL, TRAY	30	82-NF7-217-010		SPR-T, EARTH
12	83-NEA-201-210		HLDR, CD	A	87-067-703-010		BVT2+3-10 (W/O SLOT)
13	82-NF5-017-210		CAB, STEEL	B	87-591-094-410		QIT+3-6
14	83-NEA-024-010		PANEL, REAR EBNM(EE)	C	87-067-688-010		BVTT+3-6
14	83-NEA-029-010		PANEL, REAR HEJBNM(HE)	D	87-078-019-010		S-SCREW, 1T+4-6
14	83-NEA-031-010		PANEL, REAR HRJBNM(HR)	E	87-067-698-010		BVT2+3-18(W/O, SLOT)
14	83-NEA-030-010		PANEL, REAR LHJBNM(LH)	F	87-067-641-010		UTT2+3-8(W/O SLOT)BL
14	83-NEA-026-010		PANEL, REAR UBNM(2700U)				
14	83-NEA-028-010		PANEL, REAR ZBNM(Z)				
△	15 87-050-034-010		AC CORD ASSY, E(EE, Z, HR, HE)				
△	15 87-050-053-010		AC CORD ASSY, U-2(2700U)				
△	15 87-034-749-010		AC CORD, H W/PLUG(LH)				
16	87-085-184-010		BUSHING, AC CORD D(LH)				
16	87-085-185-010		BUSHING, AC CORD E(EE, Z, HR, HE)				
16	87-085-189-010		BUSHING, CORD U(2700U)				
17	87-085-221-010		FOOT, H13. 5				

TAPE MECHANISM EXPLODED VIEW—1/1 (CX-N270)

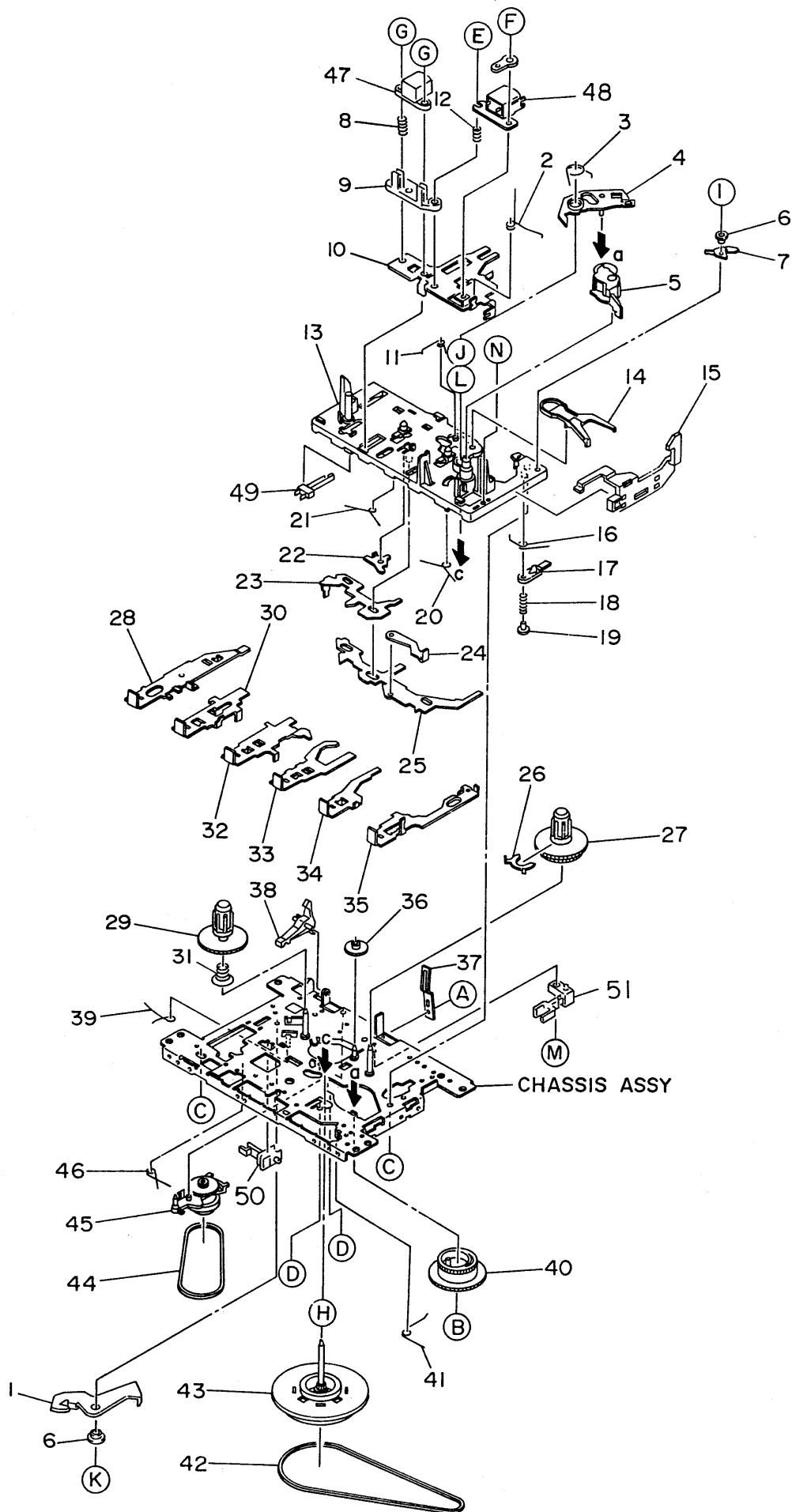


TAPE MECHANISM PARTS LIST—1/1 (CX-N270)

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.	カナリ NO.	DESCRIPTION	REF. NO	PART NO.	カナリ NO.	DESCRIPTION
1	S1-821-030-080		EH, SPRING	66	S1-959-043-030		RINCH ROLLER ARM(F) ASSY
2	S1-921-030-060		HEAD BASE	67	S1-821-030-070		AZIMUTH SPRING
3	S1-921-030-140		HEAD PANEL	68	S1-959-140-090		ROTARY ARM
4	S1-921-030-090		PANEL P SPR	69	S1-959-140-270		ROTARY SPRING
5	S1-921-260-050		GEAR PLATE SPRING	70	S1-959-143-010		BASE ASSY
6	S1-921-265-020		GEAR PLATE ASSY	71	S1-959-140-230		PR STOPPER
7	S1-921-140-370		P ARM COLLAR	72	S1-959-145-010		ACXTUATOR ASSY
8	S1-921-140-340		P ARM	73	S1-959-140-260		SLIDE PLATE
9	S1-921-141-8A0		M CONTROL SPRING	74	S1-921-090-100		FL GEAR
10	S1-921-260-4A0		SENSING LEVER	75	S1-959-093-040		FLYWHEEL (R) ASSY
11	S1-921-260-020		CAM GEAR	76	S1-959-140-170		MODE BUTTON LEVER(S)
12	S1-921-043-100		PINCH ROLLER ARM ASSY	77	S1-959-140-160		PLAY BUTTON LEVER(S)
13	S1-921-141-3A0		P CONTROL SPRING	78	S1-959-030-020		SPR, PLATE
14	S1-921-140-820		PAUSE LEVER (F)	79	S1-959-140-150		FF BUTTON LEVER (RS)
15	S1-921-140-120		PAUSE LEVER SPRING	80	S1-959-140-140		FF BUTTON LEVER (FS)
16	S1-921-140-110		PAUSE STOPPER	81	S1-959-140-130		STOP BUTTON LEVER(S)
17	S1-921-140-150		BUTTON LEVER SPRING (B)	82	S1-959-143-030		PROG BUTTON LEVER(S) ASY
18	S1-921-140-140		BUTTON LEVER SPRING (A)	83	S1-851-140-170		MAIN BELT
19	S1-921-140-200		PR STOPPER	84	S1-959-093-050		FLYWHEEL (F) ASSY
20	S1-921-143-180		BASE ASSY	85	S1-959-150-020		MUTING PLATE SP
21	S1-921-140-090		SWITCH ACTUATOR	86	S1-959-150-010		MUTING PLATE
22	S1-921-140-640		E KICK LEVER	87	S1-959-140-200		SPR, EV ACTUATOR
23	S1-921-140-080		PUSH BUTTON ACTUATOR	88	S1-959-130-020		EJECT SLIDE LEVER(S)
24	S1-921-140-220		REC BUTTON LEVER	89	S1-959-010-020		MAIN PLATE
25	S1-921-140-230		PLAY BUTTON LEVER	90	S1-959-010-030		SPR, MAIN PLATE
26	S1-921-140-240		REW BUTTON LEVER	91	S1-959-140-220		SPR, PM BUTTON LEVER
27	S1-921-140-250		FF BUTTON LEVER	92	S1-959-015-010		CHASSIS ASSY
28	S1-921-140-260		STOP BUTTON LEVER	93	S1-959-050-010		SENSOR
29	S1-921-140-610		PAUSE BUTTON LEVER	94	S1-921-053-090		TAKE UP REEL ASSY
30	S1-921-020-010		REC ARM	95	S1-959-050-040		SPRING
31	S1-821-121-730		MAIN BELT	96	S1-959-260-090		M CONTROL SPR (F)
32	S1-921-093-050		FLYWHEEL ASSY	97	S1-959-260-060		SENSING LEVER (F)
33	S1-821-120-650		COLLAR SCREW (B)	98	S1-959-260-010		M CONTROL SPR (R)
34	S1-921-120-250		P KICK LEVER (B)	99	S1-959-265-010		GEAR PLATE (F) ASSY
35	S1-851-140-070		MOTOR BRACKET	100	S1-959-260-040		GEAR PLATE SPR (F)
36	S1-851-140-060		P KICK LEVER (A)	101	S1-959-260-070		SENSING LEVER (R)
37	S1-851-140-040		SPR P KICK LEVER	102	S6-202-140-190		E HEAD LE15B-C1
38	S1-821-120-230		PK, COLLAR SCREW (A)	103	S6-201-010-750		R. P. HEAD RP-7442BS-0951
39	S1-959-120-010		MOTOR PULLEY	104	S6-401-011-490		LEAF SW MSW-1541T
40	S1-821-120-660		MOTOR RUBBER	105	S6-401-010-380		LIAF SWITCH MSW-1275
41	S1-851-140-180		MOTOR COLLAR SCREW	106	S6-401-011-610		LIAF SW MSW-17820-MVE1
42	S1-821-070-110		RF, BELT	107	S6-002-030-290		MOTOR EG-530YD-2BH
43	S1-959-073-010		RF CLUTCH ASSY	A	S9-P17-205-710		SCREW, M2-7.5
44	S1-921-140-170		P. S. LEVER SPRING	B	S9-B01-200-310		SCREW, +2-3
45	S1-921-140-210		RECBUTTON LEVER SPR	C	S9-F08-200-710		SCREW, M2-7
46	S1-921-140-160		E ACTUATOR SPRING	D	S9-C04-202-530		S-SCREW, TAP 2-2.5
47	S1-921-130-030		EJECT SLIDE LEVER	E	S9-P04-200-500		SCREW, TAP M2-5
48	S1-829-100-010		SPR, PACK	F	S9-P04-200-310		SCREW, TAP M2-3
49	S1-821-100-700		FF GEAR	G	S9-W06-300-030		HLW CUT 1.2-3.8-0.3
50	S1-921-145-010		CHASSIS ASSY	H	S9-P05-200-610		S-SCREW, TAP 2-6
51	S1-821-100-690		REC SAFETY LEVER	I	S9-W06-500-020		HLW CUT 1.45-3.8-0.5
52	S1-921-050-060		SENSOR	J	S9-B10-200-510		SCREW, TAP 2-5
53	S1-921-053-030		TAKE UP REEL ASSY	K	S9-C07-204-510		SCREW, TAP 2-4.5
54	S1-821-100-990		SPR, BACK TENSION	L	S9-W01-400-100		PW 2-3.5-0.4
55	S1-921-055-040		SUPPLY REEL ASSY	M	S9-P04-200-610		SCREW, TAP M2-6
56	S1-959-040-040		SPR, P. ROLLER ARM (R)	N	S9-P04-200-410		C TAPPING SCREW M2-4
57	S1-851-040-050		PLATE HEAD SPR	O	S9-W05-300-100		HLW 2.1-3.5-0.3
58	S1-959-260-050		GEAR PLATE SPR (R)	P	S9-P14-200-630		S-SCREW, M2-6 BLK
59	S1-959-265-020		GEAR PLATE (R) ASSY	Q	S9-E01-001-520		E RING S1.5
60	S1-959-260-030		CAM GEAR				
61	S1-959-040-020		SPR, P. ROLLER ARM (F)				
62	S1-959-030-030		HEAD BASE				
63	S1-959-030-010		HEAD PANEL				
64	S1-959-043-040		PINCH ROLLER ARM (R) ASSY				
65	S1-959-260-080		M CONTROL ARM				

TAPE MECHANISM EXPLODED VIEW—1/2 (CX-N2700)

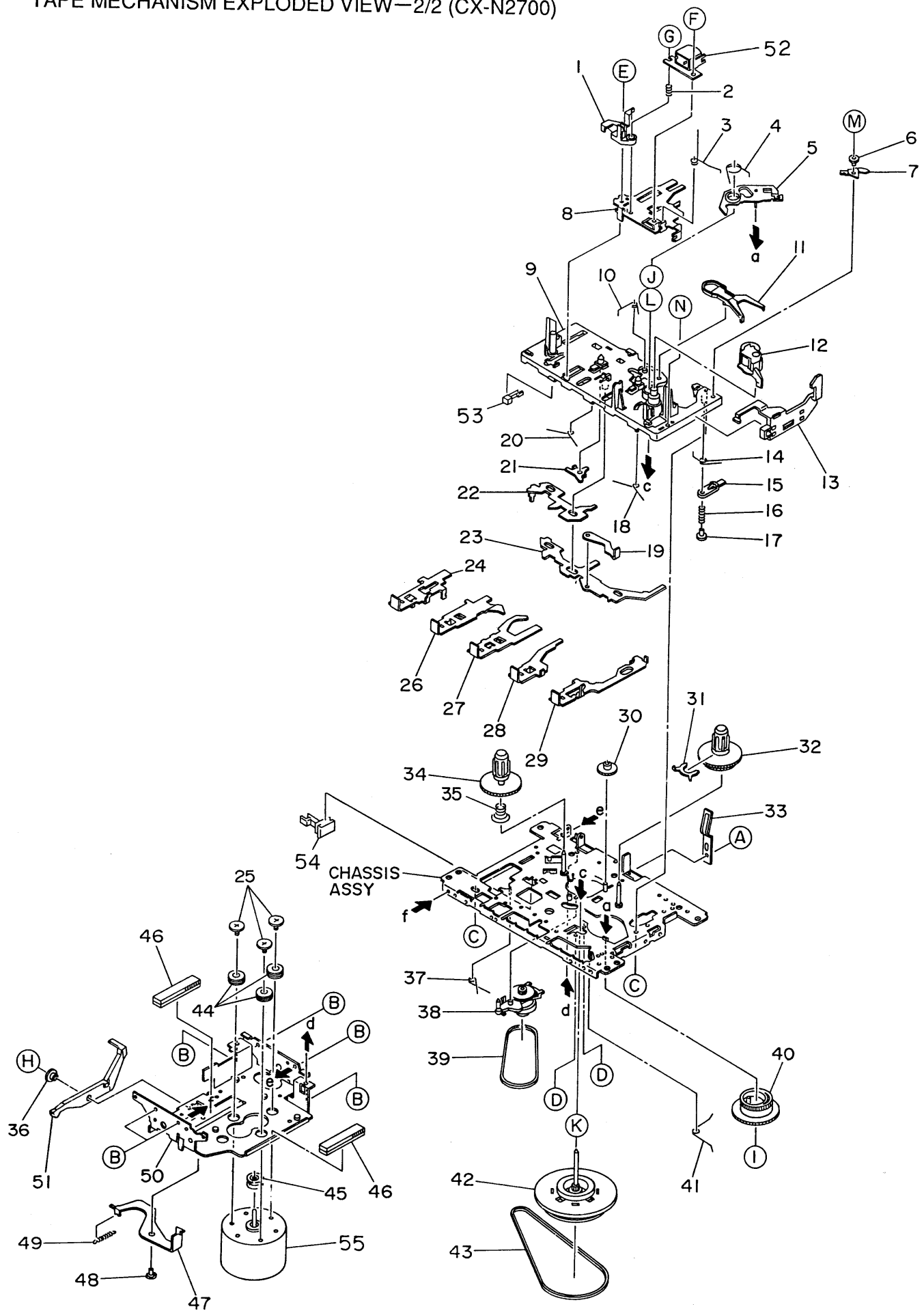


TAPE MECHANISM PARTS LIST—1/2 (CX-N2700)

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.	カナ NO.	DESCRIPTION	REF. NO	PART NO.	カナ NO.	DESCRIPTION
1	S1-921-020-010		REC ARM	36	S1-821-100-700		FF GEAR
2	S1-921-030-090		PANEL P SPRING	37	S1-829-100-010		PACK SPRING
3	S1-921-260-050		GEAR PLATE SPRING	38	S1-821-100-690		RECORD SAFETY LEVER
4	S1-921-265-020		GEAR PLATE ASSY	39	S1-921-140-210		REC BUTTON LEVER SPRING
5	S1-921-043-100		PINCH ROLLER ARM ASSY	40	S1-921-260-020		CAM GEAR
6	S1-921-140-370		P ARM COLLER	41	S1-921-140-160		E ACTUATOR SPRING
7	S1-921-140-340		P ARM	42	S1-921-090-240		MAIN BELT
8	S1-821-030-080		EH SPRING	43	S1-921-093-030		FLYWHEEL ASSY
9	S1-921-030-060		HEAD BASE	44	S1-821-070-110		RF BELT
10	S1-921-030-140		HEAD PANEL	45	S1-921-073-040		RF CLUTCH ASSY
11	S1-921-141-8A0		M CONTROL SPRING	46	S1-921-140-170		P. S. LEVER SPRING
12	S1-821-030-070		AZIMUTH SPRING	47	S6-202-140-190		E HEAD
13	S1-921-143-180		BASE ASSY	48	S6-201-010-750		R. P. HEAD
14	S1-921-260-4A0		SENSING LEVER	49	S6-401-011-490		LEAF SW MSW-1541T
15	S1-921-130-020		EJECT SLIDE LEVER	50	S6-401-011-610		LEAF SW MSW-17820MVE1
16	S1-921-141-3A0		P CONTROL SPRING	51	S6-401-010-380		LEAF SW MSW-1275
17	S1-921-140-550		PAUSE LEVER(E)	A	S9-179-000-000		C TAP SCREW M2-3
18	S1-921-140-120		PAUSE LEVER SPRING	B	S9-422-000-000		P WASHER CUT 12-3. 8-0. 3
19	S1-921-140-110		PAUSE STOPPER	C	S9-679-000-000		P TAP SCREW M2-5
20	S1-921-140-150		BUTTON LEVER SPRING(B)	D	S9-999-180-090		TAP SCREW M2-4. 5
21	S1-921-140-140		BUTTON LEVER SPRING(A)	E	S9-922-000-000		AZIMUTH SCREW M2-8
22	S1-921-140-200		PR STOPPER	F	S9-115-000-000		+ BIND SCREW M2-3
23	S1-921-140-090		SWITCH ACTUATOR	G	S9-821-000-000		+CAP SCREW M2-8
24	S1-921-140-640		E KICK LEVER	H	S9-882-000-000		P WASHER 2-3. 5-0. 4
25	S1-921-140-080		PUSH BUTTON ACTUATOR	I	S9-999-200-410		P TAP SCREW M2-3
26	S1-921-050-060		SENER	J	S9-999-030-130		P WASHER CUT 1. 45-3. 8-0.
27	S1-921-053-030		TAKE UP REEL ASSY	K	S9-180-000-000		C TAP SCREW M2-4
28	S1-921-140-220		REC BUTTON LEVER	L	S9-999-000-030		P WASHER2. 1-4-0. 13
29	S1-921-053-040		SUPPLY REEL ASSY	M	S9-181-000-000		C TAP SCREW M2-5
30	S1-921-140-230		PLAY BUTTON LEVER	N	S9-P05-200-610		S TAPPING SCREWM2-6
31	S1-821-100-990		BACK TENSION SPRING				
32	S1-921-140-240		REW BUTTON LEVER				
33	S1-921-140-250		FF BUTTON LEVER				
34	S1-921-140-660		STOP BUTTON LEVER				
35	S1-921-140-610		PAUSE BUTTON LEVER				

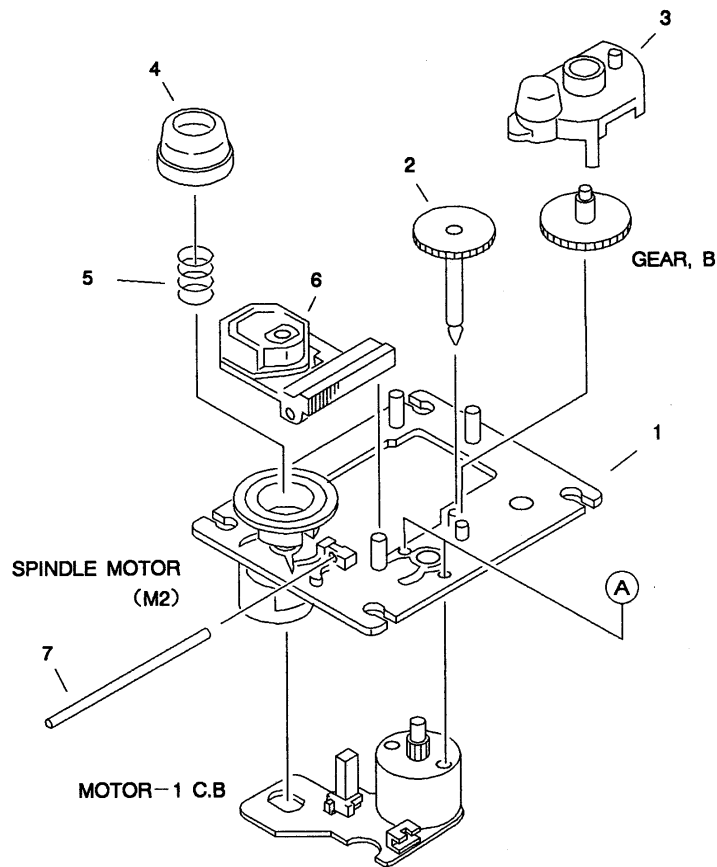
TAPE MECHANISM EXPLODED VIEW—2/2 (CX-N2700)



TAPE MECHANISM PARTS LIST—2/2 (CX-N2700)

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE	36	S1-821-120-650		COLLER B
2	S1-821-030-070		AZIMUTH SPRING	37	S1-921-140-170		P. S. LEVER SPRING
3	S1-921-030-090		PANEL P SPRING	38	S1-921-073-040		RF CLUTCH ASSY
4	S1-921-260-050		GEAR PLATE SPRING	39	S1-821-070-110		RF BELT
5	S1-921-265-020		GEAR PLATE ASSY	40	S1-921-260-020		CAM GEAR
6	S1-921-140-370		P ARM COLLER	41	S1-921-140-160		E ACTUATOR SPRING
7	S1-921-140-340		P ARM	42	S1-921-093-040		FLYWHEEL ASSY
8	S1-921-030-110		HEAD PANEL	43	S1-921-090-240		MAIN BELT
9	S1-921-143-170		BASE ASSY	44	S1-820-130-060		MOTOR RUBBER
10	S1-921-141-8A0		M CONTROL SPRING	45	S1-921-120-130		MOTOR PULLEY
11	S1-921-260-4A0		SENSING LEVER	46	S1-921-120-120		ANTI VIBR FELT MAT
12	S1-921-043-100		PINCH ROLLER ARM ASSY	47	S1-821-120-680		P KICK LEVER (A)
13	S1-921-130-020		EJECT SLIDE LEVER	48	S1-821-120-230		PK COLLER SCREW A
14	S1-921-141-3A0		P CONTROL SPRING	49	S1-821-120-250		P KICK LEVER SPRING
15	S1-921-140-550		PAUSE LEVER(E)	50	S1-921-120-110		MOTOR BRACKET
16	S1-921-140-120		PAUSE LEVER SPRING	51	S1-921-120-090		P KICK LEVER
17	S1-921-140-110		PAUSE STOPPER	52	S6-201-010-750		R. P. HEAD
18	S1-921-140-150		BUTTON LEVER SPRING(B)	53	S6-401-011-490		LEAF SW MSW-1541T
19	S1-821-011-590		E KICK LEVER	54	S6-401-011-610		LEAF SW MSW-17820MVE1
20	S1-921-140-140		BUTTON LEVER SPRING(A)	55	S6-002-030-290		MOTOR EG530YD-2BH
21	S1-921-140-200		PR STOPPER	A	S9-179-000-000		C TAP SCREW M2-3
22	S1-921-140-090		SWITCH ACTUATOR	B	S9-180-000-000		C TAP SCREW M2-4
23	S1-921-140-080		PUSH BUTTON ACTUATOR	C	S9-679-000-000		P TAP SCREW M2-5
24	S1-921-140-230		PLAY BUTTON LEVER	D	S9-999-180-090		TAP SCREW M2-4. 5
25	S1-821-120-020		MOTOR COLLER SCREW	E	S9-004-000-000		SCREW M2-6
26	S1-921-140-240		REW BUTTON LEVER	F	S9-115-000-000		+ BIND SCREW M2-3
27	S1-921-140-250		FF BUTTON LEVER	G	S9-922-000-000		AZIMUTH SCREW M2-8
28	S1-921-140-260		STOP BUTTON LEVER	H	S9-182-000-000		C TAP SCREW M2-6
29	S1-921-140-610		PAUSE BUTTON LEVER	I	S9-422-000-000		P WASHER CUT 12-3. 8-0. 3
30	S1-821-100-700		FF GEAR	J	S9-999-030-130		P WASHER CUT 1. 45-3. 8-0.
31	S1-921-050-060		SENSOR	K	S9-882-000-000		P WASHER 2-3. 5-0. 4
32	S1-921-053-030		TAKE UP REEL ASSY	L	S9-999-000-030		P WASHER2. 1-4-0. 13
33	S1-829-100-010		PACK SPRING	M	S9-999-200-410		P TAP SCREW M2-3
34	S1-921-053-040		SUPPLY REEL ASSY	N	S9-P05-200-610		S TAPPING SCREWM2-6
35	S1-821-100-990		BACK TENSION SPRING				

[illegible]



CD 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。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO	PART NO.	カソリ NO.	DESCRIPTION	REF. NO	PART NO.	カソリ NO.	DESCRIPTION
1	9X-262-513-310		T. T CHASS ASSY W/MOTOR	16	92-625-276-010		PULLY LOUDING
2	92-625-188-020		GEAR(A)	17	93-653-387-000		LM BELT
3	92-625-544-010		COVER	18	92-625-274-010		GEAR MEDDLE
4	92-625-187-010		RING CENTER	19	92-625-285-030		DRIVE GEAR
5	92-625-191-010		SPRING COMPRESSION	20	92-625-283-020		CONTROL CAM
6	98-848-127-110		OPTICAL PICK UP KSS-210A	21	92-625-278-010		INSULATOR
7	94-917-565-010		SHAFT SLED	22	92-625-280-010		SPRING
8	92-625-288-010		TRAY	A	87-261-032-210		V+2-3
9	92-625-275-030		GEAR TRAY	B	87-761-074-410		VFT2 2.6-8
10	92-625-282-020		GEAR COVER	C	92-625-279-010		U+2.6-2.5
11	92-625-286-030		CHACKING PULLY	D	87-761-079-410		VFT2 2.6-16
12	92-625-284-010		CHACKING PLATE	E	92-644-410-020		SCREW SWCH16A
13	91-452-493-210		MAGNET	F	93-464-123-000		WASHER
14	92-625-541-010		DAMPER				
15	92-625-277-010		YOKE CHUCK				

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
サージブロッカ セラコン	SERGESUPPRESSOR CAP, CERA

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
AIWA CO.,LTD.

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, CONTORL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOADING 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
シャフト	ARM, SHAFT
ジグガイド	GUIDE, SHAFT
ストラップ	STRAP
トクナベ	S-SCRW
ヒンジ	HINGE
ヒンジビス	S-SCRW
ビスセレート	SCRW, SERRART

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