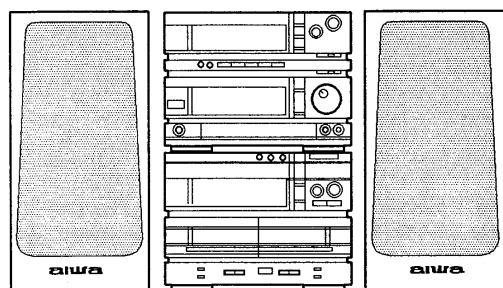


aiwa

NSX - D909



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : 2ZM - 3PR2N
- BASIC CD MECHANISM : KSM - 2101ABM
- TYPE. HE,LH,HR,E,K,Z

SYSTEM	AMPLIFIER TUNER	CASSETTE DECK CD PLAYER	REMOTE CONTROLLER	SPEAKER
NSX - D909	RX - N909	FD - N909	RC - TN909	SX - N909

MANUAL
SERVICE

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SPECIFICATIONS

TUNER/AMPLIFIER RX-N909

<FM section>

Frequency range 87.5 MHz to 108 MHz
 Usable sensitivity (IHF) 1.8 μ V (75 ohms) 16.2 dBf
 Alternate channel selectivity 50 dB (\pm 400 kHz)
 Signal-to-noise ratio Except Z: STEREO 70 dB
 MONO 72 dB
 Z: STEREO 65 dB
 MONO 68 dB

Harmonic distortion 0.3% (MONO), 1 kHz
 0.8% (STEREO), 1 kHz
 Frequency response 20 Hz to 15 kHz (+0.5 dB, -3 dB)
 Stereo separation 35 dB at 1 kHz
 Antenna 75 ohms (unbalanced)

<AM (MW) section>

Frequency range 531 (530) kHz to 1,602 (1,710) kHz
 Usable sensitivity 400 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 1,000 μ V/m
 Signal-to-noise ratio 47 dB (106 dB input)
 Antenna Loop antenna

<Timer section and general>

Program timer "Once" and/or "every" (independent setting)
 Sleep timer Capable of setting in 10 minute increments,
 99 minutes maximum

<Amplifier section>

Power output LH, HE, HR: 50 W + 50 W (6 ohms, T.H.D. 10%,
 1 kHz) front
 10 W + 10 W (16 ohms, T.H.D. 10%, 1 kHz) rear
 E, K, Z: 35 W + 35 W (6 ohms, T.H.D. 1%, 1 kHz)
 front
 7.5 W + 7.5 W (16 ohms, T.H.D. 1%, 1 kHz) rear

Harmonic distortion LH, HE, HR: 0.1% (25 W, 1 kHz, 6 ohms)
 E, K, Z: 0.1% (17.5 W, 1 kHz, 6 ohms)

Input sensitivity (load impedance) VIDEO 1/DAT: 300 mV (47 kohms with volume)
 VIDEO 2/AUX: 500 mV (47 kohms with volume)

Power requirements HE, LH, HR models: 120/220/240 V AC
 selectable, 50/60 Hz
 E, Z models: 230 V AC, 50 Hz
 K model: 240 V AC, 50 Hz

Power consumption HE, LH, HR: 100 W
 E, K, Z: 230 W

Dimensions (W x H x D) HE, LH, HR models: 260 x 198 x 330.5 mm
 (10.4 x 7.92 x 13.22 in.)
 E, K, Z models: 260 x 198 x 333.5 mm
 (10.4 x 7.92 x 13.34 in.)

Weight 7.0 kg (15.43 lbs.)

CASSETTE DECK/COMPACT DISC PLAYER FD-N909

<Cassette deck section>

Track format 4 tracks, 2 channels
 Frequency response Metal tape: 20 - 17,000 Hz
 CrO₂ tape: 20 - 16,000 Hz
 Normal tape: 20 - 15,000 Hz
 Signal-to-noise ration 73 dB (Dolby C NR ON, metal tape peak level
 above 5 kHz)
 Wow and flutter 0.12% (WRMS) \pm 0.19% (WPEAK)
 Tape speed 4.8 cm/sec. (1 7/8 ips)
 9.5 cm/sec. (double speed)
 Recording system AC bias
 Erase system AC erase
 Motor DC servomotor x 1
 Heads Playback head x 1 (deck 1)
 Record/playback/erase head x 1 (deck 2)

<Compact disc player section>

Disc Compact disc
 Scanning method Non-contact optical scanner (with semi-conductor
 laser)
 Laser Semi-conductor laser (λ = 780 nm)
 Rotation speed Approx. 500 rpm - 200 rpm (CLV)

Error correction

D-A conversion 1-bit DAC
 Signal-to-noise ratio 90 dB (1 kHz)
 Harmonic distortion 0.07% (1 kHz)
 Wow/flutter Unmeasurable
 Dimensions (W x H x D) 260 x 198 x 328 mm (10.40 x 7.92 x 13.12 in.)
 Weight 4.5 kg (9.9 lbs.)


SPEAKER SX-N909

Cabinet type 3-way, bass reflex (EIAJ magnetically shielded)
 Impedance 6 ohms
 Music power 60 W
 Speaker 130 mm cone type woofer
 60 mm cone type tweeter
 30 mm ceramic type super tweeter

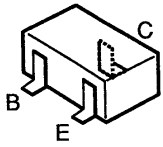
Output sound pressure level 87 dB/W/m
 Dimensions (W x H x D) 198 x 396 x 230 mm
 (7.92 x 15.84 x 9.2 in.)
 Weight 4.2 kg (9.24 lbs.)

COMMON SECTION

Power requirements HE, LH, HR models: 120/220/240 V AC
 selectable, 50/60 Hz
 E, Z models: 230 V AC, 50 Hz
 K model: 240 V AC, 50 Hz
 Power consumption System total
 HE, LH, HR: 120 W
 E, K, Z: 245 W
 Dimensions (W x H x D) Vertical placement
 HE, LH, HR models: 656 x 396 x 330.5 mm
 (26.24 x 15.84 x 13.22 in.)
 E, K, Z models: 656 x 396 x 333.5 mm
 (26.24 x 15.84 x 13.34 in.)
 Horizontal placement
 HE, LH, HR models: 916 x 396 x 330.5 mm
 (36.64 x 15.84 x 13.22 in.)
 E, K, Z models: 916 x 396 x 333.5 mm
 (36.64 x 15.84 x 13.34 in.)
 Weight 19.9 kg (43.8 lbs.)

- Design and specifications are subject to change without notice.
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- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc. Under license from BBE Sound, Inc.

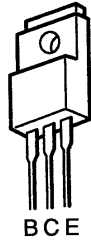
TRANSISTOR ILLUSTRATION (RX – N909, FD – N909)



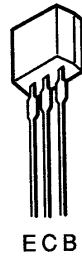
2SA1162
2SA1362
2SC2712
2SC2714
2SC3326
DTA114EK
DTA114YK
DTA124
DTA143
DTA144
DTC114YK
DTC144



2SA952
2SA1015
2SA1296
2SA1318
2SC1815
2SC2001
2SC2878
2SC3266
2SC3331



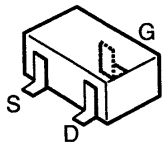
2SB1370



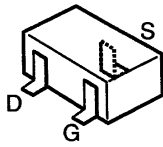
2SA933
2SC1740
DTC114ES
DTC114YS
DTA114TK



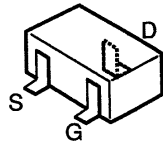
2SD2005



2SK209
2SK368



2SK302



2SK360

MODEL NO.

RX-N909

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				DIODE			
	82-NT1-630-010		IC, CXP82324		87-020-691-080		DIODE, 1SS132
	82-NE6-617-010		IC, GP1U581X		87-017-163-080		ZENER, HZS 9A1L
	87-002-950-010		IC, BA3826S		87-017-101-080		ZENER, HZS6C2
	87-027-235-010		IC, NJM-4558D		87-001-911-080		ZENER, UTZJ 4. 7A
	87-002-220-010		IC, UPA80C		87-001-290-080		ZENER, HZS6B1L
	87-002-861-010		IC, CXP2201AS		87-020-027-080		C-DIODE, 1SS184
	87-001-607-080		IC, NJM4558M		87-002-225-010		DIODE, DBF 40C-K10
	87-017-311-080		IC, M65831FP<HR, HE>		87-001-912-080		ZENER, UTZJ 5. 1B
	87-002-444-010		IC, BU4094B		87-020-125-080		C-DIODE, 1SS181
	87-002-967-080		IC, BU4052BF		87-001-820-010		DIODE, GP15B(F)
	87-020-982-010		IC, STK-4162MK-2 (*)		87-001-574-080		DIODE, 1SR139-200 T31
	87-002-218-010		IC, XRC5451AP		87-001-919-080		ZENER, UTZJ27C
	87-017-016-010		IC, LM3875		87-001-916-080		ZENER, UTZJ10B
	87-002-278-010		IC, LA2730		87-027-405-080		ZENER, RD2. 2EB<HR, K, Z, E>
	87-020-908-010		IC, NJU4066BD		87-027-416-080		ZENER, HZ3C2
	87-027-938-010		IC, TC4053BP		87-001-915-080		ZENER, UTZJ6. 8A<HR, K, Z, E>
	87-001-476-010		IC, TC9154AP		87-020-465-080		DIODE, 1SS133 T-72
	87-001-131-010		IC, NJM2058BD		87-017-097-080		ZENER, HZS6B1
	87-002-872-080		IC, MC14053BF		87-017-121-080		ZENER, HZS11A1
	87-002-901-080		IC, BU4094BF		87-020-339-080		C-DIODE, 1SS226
	87-017-296-080		IC, LA1831M	MAIN C. B			
	87-001-927-080		IC, LC 7218M	C109	81-794-643-090		CAP, E 4700-50V
	87-017-019-010		IC, CXP81312	C110	81-794-643-090		CAP, E 4700-50V
	87-017-022-080		IC, NJM2068M-D(T1)	C111	87-010-101-080		CAP, E 220-16 SME
	87-002-214-010		IC, CS5339-KP	C112	87-010-405-080		CAP, E 10-50 SME
	87-017-018-010		IC, CXD2701Q	C113	87-010-263-080		CAP, E 100-10
	87-017-291-010		IC, TMS44C256-10N	C114	87-015-914-080		CAP, E 47-100
	87-002-279-010		IC, SM5840ES	C115	87-010-384-080		CAP, E 100-25 SME<HR, HE, LH>
	87-017-446-080		IC, PCM69AU	C115	87-010-385-080		CAP, E 220-25 SME<K, Z, E>
	87-002-412-080		IC, SN74HC00NS	C116	87-010-384-080		CAP, E 100-25 SME<HR, HE, LH>
	87-002-409-080		IC, SN74HC74NS	C116	87-010-385-080		CAP, E 220-25 SME<K, Z, E>
	87-020-881-080		IC, NJM78L05A	C117	87-010-400-080		CAP, E 0. 47-50 SME
	87-020-882-080		IC, NJM79L05	C118	87-010-401-080		CAP, E 1-50 SME
	87-001-536-010		IC, NJM78M05FA	C119	87-010-544-080		CAP, E 0. 1-50
TRANSISTOR				C120	87-010-235-080		CAP, E 470-16 SME
	89-420-052-080		TR, 2SD2005Q	C121	87-010-101-080		CAP, E 220-16 SME
	87-026-245-080		TR, DTC114ES	C122	87-010-374-080		CAP, E 47-10
	89-112-965-080		TR, 2SA1296GR	C123	87-010-374-080		CAP, E 47-10
	89-327-125-080		C-TR, 2SC2712GR	C124	87-010-260-080		CAP, E 47-25 SME
	87-026-462-080		TR, 2SC1740S(RS)	C125	87-010-405-080		CAP, E 10-50 SME
	89-110-155-080		TR, 2SA1015GR	C126	87-012-140-080		C-CAP, S 470P-50 CH
	87-026-227-080		C-TR, DTA114EK	C127	87-016-110-090		CAP, E 5600-25SME
	89-213-702-010		TR, 2SB1370E	C128	87-010-374-080		CAP, E 47-10
	89-111-625-080		C-TR, 2SA1162GR	C129	87-010-405-080		CAP, E 10-50 SME<HE, LH>
	89-332-665-080		TR, 2SC3266GR	C129	87-010-404-080		CAP, E 4. 7-50 SME<HR, K, Z, E>
	89-318-155-080		TR, 2SC1815GR	C131	87-018-131-080		CAP, TC-U 1000P
	89-333-265-080		C-TR, 2SC3326A	C201	87-010-401-080		CAP, E 1-50 SME
	87-026-213-080		C-TR, DTC114YK T147	C202	87-010-401-080		CAP, E 1-50 SME
	87-026-215-080		TR, DTC114YS	C203	87-010-401-080		CAP, E 1-50 SME
	89-113-187-880		TR, 2SA1318TU	C204	87-010-401-080		CAP, E 1-50 SME
	89-333-317-080		TR, 2SC3331 T	C205	87-010-403-080		CAP, E 3. 3-50 SME
	89-503-025-080		C-FET, 2SK302 GR	C206	87-010-403-080		CAP, E 3. 3-50 SME
	89-327-143-080		C-TR, 2SC2714(O)	C207	87-010-380-080		CAP, E 47-16 SME
	89-503-602-080		C-FET, 2SK360E	C208	87-010-380-080		CAP, E 47-16 SME
	89-333-266-080		C-TR, 2SC3326B<K, Z, E>	C209	87-010-401-080		CAP, E 1-50 SME
	87-026-233-080		TR, DTA114TK	C210	87-010-401-080		CAP, E 1-50 SME
	89-502-094-080		FET, 2SK209Y	C211	87-010-402-080		CAP, E 2. 2-50 SME
	87-026-229-080		C-TR, DTA143XK	C212	87-010-402-080		CAP, E 2. 2-50 SME
	87-026-230-080		C-TR, DTA114YK<K, Z, E>	C213	87-010-402-080		CAP, E 2. 2-50 SME
	87-026-211-080		C-TR, DTA144EK	C214	87-010-402-080		CAP, E 2. 2-50 SME
	87-026-238-080		C-TR, DTC144WK	C215	87-010-178-080		C-CAP, S 1000P-50 B
	89-109-521-080		TR, 2SA952K	C216	87-010-178-080		C-CAP, S 1000P-50 B

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
C217	87-010-400-080		CAP, E 0.47-50 SME	C417	87-010-197-080		C-CAP, S 0.01-25 B
C218	87-010-400-080		CAP, E 0.47-50 SME	C418	87-012-156-080		C-CAP, S220P CH
C219	87-010-405-080		CAP, E 10-50 SME	C419	87-010-197-080		C-CAP, S 0.01-25 B
C220	87-010-405-080		CAP, E 10-50 SME	C422	87-010-149-080		C-CAP, S 5P-50 CH
C221	87-010-374-080		CAP, E 47-10	C423	87-010-400-080		CAP, E 0.47-50 SME
C222	87-010-374-080		CAP, E 47-10	C451	87-010-316-080		C-CAP, S 33P-50 CH<K, Z, E>
C223	87-010-315-080		C-CAP, S 27P-50 CH	C452	87-010-197-080		C-CAP, S 0.01-25 B
C224	87-010-315-080		C-CAP, S 27P-50 CH	C453	87-010-544-080		CAP, E 0.1-50
C225	87-010-260-080		CAP, E 47-25 SME	C454	87-010-154-080		C-CAP, S 10P-50 CH<HR, HE, LH>
C226	87-010-260-080		CAP, E 47-25 SME	C454	87-010-314-080		C-CAP, S 22P-50 CH<K, Z, E>
C229	87-016-247-080		C-CAP, 0.1-50 F	C455	87-010-174-080		C-CAP, S 470P-50 SL<K, Z, E>
C230	87-016-247-080		C-CAP, 0.1-50 F	C456	87-010-169-080		C-CAP, S 180P-50 SL<K, Z, E>
C231	87-010-184-080		C-CAP, S 3300P-50 B<Z>	C457	87-010-175-080		C-CAP, S 560P-50 SL<K, Z, E>
C232	87-010-184-080		C-CAP, S 3300P-50 B<Z>	C458	87-010-197-080		C-CAP, S 0.01-25 B<K, Z, E>
C233	87-010-197-080		C-CAP, S 0.01-25 B<Z>	C459	87-010-197-080		C-CAP, S 0.01-25 B<K, Z, E>
C234	87-010-197-080		C-CAP, S 0.01-25 B<Z>	C460	87-010-197-080		C-CAP, S 0.01-25 B
C235	87-010-405-080		CAP, E 10-50 SME	C471	87-010-197-080		C-CAP, S 0.01-25 B
C236	87-010-197-080		C-CAP, S 0.01-25 B	C472	87-010-197-080		C-CAP, S 0.01-25 B
C237	87-010-197-080		C-CAP, S 0.01-25 B	C473	87-010-197-080		C-CAP, S 0.01-25 B
C239	87-010-197-080		C-CAP, S 0.01-25 B	C474	87-010-197-080		C-CAP, S 0.01-25 B
C241	87-010-178-080		C-CAP, S 1000P-50 B	C475	87-010-196-080		C-CAP, S 0.1-25 F
C242	87-010-546-080		CAP, E 0.33-50 SME	C476	87-010-197-080		C-CAP, S 0.01-25 B
C243	87-010-406-080		CAP, E 22-50 SME	C477	87-010-197-080		C-CAP, S 0.01-25 B
C244	87-016-247-080		C-CAP, 0.1-50 F	C478	87-010-197-080		C-CAP, S 0.01-25 B<K, E>
C246	87-010-405-080		CAP, E 10-50 SME	C501	87-010-197-080		C-CAP, S 0.01-25 B
C247	87-010-405-080		CAP, E 10-50 SME	C502	87-010-197-080		C-CAP, S 0.01-25 B
C248	87-010-408-080		CAP, E 47-50 SME	C503	87-010-405-080		CAP, E 10-50 SME
C251	87-010-197-080		C-CAP, S 0.01-25 B	C504	87-010-194-080		C-CAP, S 0.047-25 F
C260	87-010-178-080		C-CAP, S 1000P-50 B	C505	87-010-401-080		CAP, E 1-50 SME
C261	87-010-198-080		C-CAP, S 0.022-25 B	C506	87-010-402-080		CAP, E 2.2-50 SME
C301	87-010-405-080		CAP, E 10-50 SME	C507	87-010-178-080		C-CAP, S 1000P-50 B
C302	87-010-405-080		CAP, E 10-50 SME	C508	87-010-314-080		C-CAP, S 22P-50 CH
C303	87-010-405-080		CAP, E 10-50 SME	C509	87-010-403-080		CAP, E 3.3-50 SME
C304	87-010-405-080		CAP, E 10-50 SME	C510	87-010-382-080		CAP, E 22-25 SME
C305	87-010-182-080		C-CAP, S 2200P-50 B	C511	87-010-194-080		C-CAP, S 0.047-25 F
C307	87-010-182-080		C-CAP, S 2200P-50 B	C512	87-010-213-080		C-CAP, S 0.015-25 B
C309	87-010-189-080		C-CAP, S 8200P-50 B	C513	87-010-178-080		C-CAP, S 1000P-50 B<EXCEPT Z>
C311	87-010-189-080		C-CAP, S 8200P-50 B	C514	87-010-401-080		CAP, E 1-50 SME
C313	87-010-189-080		C-CAP, S 8200P-50 B	C515	87-010-426-080		C-CAP, S 0.012-25 B
C315	87-010-186-080		C-CAP, S 4700P-50 B	C516	87-010-426-080		C-CAP, S 0.012-25 B
C316	87-010-186-080		C-CAP, S 4700P-50 B	C517	87-010-401-080		CAP, E 1-50 SME
C317	87-010-186-080		C-CAP, S 4700P-50 B	C518	87-010-263-080		CAP, E 100-10
C318	87-010-186-080		C-CAP, S 4700P-50 B	C519	87-010-194-080		C-CAP, S 0.047-25 F
C321	87-010-322-080		C-CAP, S 100P-50 CH	C520	87-010-403-080		CAP, E 3.3-50 SME
C322	87-010-322-080		C-CAP, S 100P-50 CH	C521	87-010-403-080		CAP, E 3.3-50 SME
C323	87-010-404-080		CAP, E 4.7-50 SME	C551	87-010-186-080		C-CAP, S 4700P-50 B
C324	87-010-404-080		CAP, E 4.7-50 SME	C552	87-010-400-080		CAP, E 0.47-50 SME
C325	87-010-405-080		CAP, E 10-50 SME	C553	87-010-384-080		CAP, E 100-25 SME
C326	87-010-405-080		CAP, E 10-50 SME	C554	87-010-315-080		C-CAP, S 27P-50 CH
C327	87-010-405-080		CAP, E 10-50 SME	C555	87-010-263-080		CAP, E 100-10
C328	87-010-405-080		CAP, E 10-50 SME	C556	87-010-197-080		C-CAP, S 0.01-25 B
C329	87-010-401-080		CAP, E 1-50 SME	C557	87-010-178-080		C-CAP, S 1000P-50 B
C330	87-010-401-080		CAP, E 1-50 SME	C558	87-010-178-080		C-CAP, S 1000P-50 B
C331	87-010-405-080		CAP, E 10-50 SME	C559	87-010-178-080		C-CAP, S 1000P-50 B
C332	87-010-405-080		CAP, E 10-50 SME	C560	87-010-178-080		C-CAP, S 1000P-50 B
C333	87-010-263-080		CAP, E 100-10	C564	87-010-314-080		C-CAP, S 22P-50 CH
C334	87-010-263-080		CAP, E 100-10	C571	87-010-179-080		C-CAP, S 1200P-50 B<Z>
C335	87-010-197-080		C-CAP, S 0.01-25 B	C572	87-010-403-080		CAP, E 3.3-50 SME<Z>
C401	87-010-312-080		C-CAP, S 15P-50 CH	C601	87-010-263-080		CAP, E 100-10
C403	87-010-197-080		C-CAP, S 0.01-25 B	C602	87-010-263-080		CAP, E 100-10
C404	87-010-197-080		C-CAP, S 0.01-25 B	C603	87-010-260-080		CAP, E 47-25 SME
C405	87-010-312-080		C-CAP, S 15P-50 CH	C604	87-010-263-080		CAP, E 100-10
C406	87-010-155-080		C-CAP, S 12P-50SL<Z>	C605	87-010-401-080		CAP, E 1-50 SME
C407	87-010-147-080		C-CAP, S 3P-50 CH	C606	87-010-401-080		CAP, E 1-50 SME
C408	87-010-145-080		C-CAP, S 1P-50 CH	C607	87-010-179-080		C-CAP, S 1200P-50 B
C409	87-010-314-080		C-CAP, S 22P-50 CH	C608	87-010-179-080		C-CAP, S 1200P-50 B
C410	87-010-154-080		C-CAP, S 10P-50 CH	C609	87-010-184-080		C-CAP, S 3300P-50 B
C411	87-010-312-080		C-CAP, S 15P-50 CH	C610	87-010-184-080		C-CAP, S 3300P-50 B
C412	87-010-312-080		C-CAP, S 15P-50 CH	CF501	87-008-261-010		FLTR, SFE10. 7MA5-A<EXCEPT Z>
C413	87-010-197-080		C-CAP, S 0.01-25 B	CF501	87-008-423-010		FLTR, SFE10. 7MS3G-A<Z>
C414	87-010-146-080		C-CAP, S 2P-50 CH	CF502	87-008-261-010		FLTR, SFE10. 7MA5-A<EXCEPT Z>
C415	87-010-148-080		C-CAP, S 4P-50 CH<Z>	CF502	87-008-423-010		FLTR, SFE10. 7MS3G-A<Z>
C416	87-010-154-080		C-CAP, S 10P-50 CH<EXCEPT Z>	CF503	87-008-500-010		FLTR, CDA10. 7MG43A-A
C416	87-010-149-080		C-CAP, S 5P-50 CH<Z>	CF504	84-508-618-010		VIB, CER CSB 456 F15

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
D401	87-026-360-080		C-VARI CAP, KV1430	C15	87-010-178-080		C-CAP, S 1000P-50 B
D402	87-026-360-080		C-VARI CAP, KV1430	C16	87-010-401-080		CAP, E 1-50 SME
D403	87-026-360-080		C-VARI CAP, KV1430<Z>	C17	87-015-785-080		C-CAP, 0.1-25 F
D404	87-026-360-080		C-VARI CAP, KV1430	C18	87-010-405-080		CAP, E 10-50 SME
D451	81-754-634-010		VARI-CAP, KV1260<K, Z, E>	C19	87-010-405-080		CAP, E 10-50 SME
J202	80-MT3-616-010		JACK, PIN 2P<EXCEPT Z>	C20	87-010-405-080		CAP, E 10-50 SME
J202	80-MT3-631-010		JACK, PIN 2P EARTH<Z>	C21	87-010-401-080		CAP, E 1-50 SME
J203	87-033-215-010		TERMINAL SP 4P R (*)	C22	87-012-140-080		C-CAP, S 470P-50 CH
J301	81-669-655-010		JACK, 6.3 W/S AU	C30	87-010-221-080		CAP, E 470-10
J401	81-631-646-010		ANT TERM 2P PAL<K, Z, E>	C31	87-010-178-080		C-CAP, S 1000P-50 B
J401	87-033-214-010		ANT TERM 4P (JT) <HR, HE, LH>	C32	87-010-404-080		CAP, E 4.7-50 SME
L201	87-005-366-010		COIL, 1UH<Z>	C35	87-015-785-080		C-CAP, 0.1-25 F
L202	87-005-366-010		COIL, 1UH<Z>	C36	87-010-405-080		CAP, E 10-50 SME
L203	87-005-366-010		COIL, 1UH<Z>	C37	87-010-405-080		CAP, E 10-50 SME
L401	87-006-209-010		COIL, ANT FM 3/4T, L5	C40	87-010-405-080		CAP, E 10-50 SME
L402	87-006-210-010		COIL, ANT FM2-3/4TSL5	C41	87-010-196-080		C-CAP, S 0.1-25 F
L403	87-006-200-010		COIL, RF FM 3-1/2T, L5	C80	87-010-221-080		CAP, E 470-10
L404	87-006-201-010		COIL, RF FM3-1/2TS, L5	C81	87-010-221-080		CAP, E 470-10
L405	87-006-201-010		COIL, RF FM3-1/2TS, L5<Z>	C101	87-010-193-080		C-CAP, S 0.033-25 F<HR, HE>
L406	87-006-205-010		COIL, OSC FM(7K)	C102	87-010-178-080		C-CAP, S 1000P-50 B<HR, HE>
L407	87-003-231-080-		C-COIL, S 1UH	C104	87-010-260-080		CAP, E 47-25 SME<HR, HE>
L408	87-008-427-010		COIL, FM IFT	C108	87-010-178-080		C-CAP, S 1000P-50 B<HR, HE>
L451	81-MX4-620-010		AM PACK 3, S<HR, HE, LH>	C109	87-010-187-080		C-CAP, S 5600P-50 B<HR, HE>
L451	87-006-207-010		COIL, ANT MW (3B) <K, Z, E>	C110	87-010-401-080		CAP, E 1-50 SME
L452	87-006-208-010		COIL, ANT LW<K, Z, E>	C111	87-018-133-080		CAP, TC-U 4700P-16 X<HR, HE>
L453	82-794-687-010		COIL, OSC<K, Z, E>	C112	87-010-197-080		C-CAP, S 0.01-25 B<HR, HE>
L454	82-794-688-010		COIL, OSC LW<K, Z, E>	C114	87-010-187-080		C-CAP, S 5600P-50 B<HR, HE>
L501	82-NT1-659-010		FLTR, CF4Z4502NT	C125	87-012-154-080		C-CAP, S 150P-50 CH
L503	87-003-241-080		C-COIL, S 4.7UH K	C126	87-010-197-080		C-CAP, S 0.01-25 B
L504	82-NT1-633-010		FLTR, AMT1-BIRDIE<Z>	C127	87-010-178-080		C-CAP, S 1000P-50 B
L551	87-003-241-080		C-COIL, S 4.7UH K	C128	87-012-154-080		C-CAP, S 150P-50 CH
L601	81-631-643-010		COIL, 1 POLE MPX	C132	87-010-196-080		C-CAP, S 0.1-25 F
L602	81-631-643-010		COIL, 1 POLE MPX	C133	87-015-883-080		C-CAP, 0.022-25 B
△R107	87-029-016-010		FUSE, RES 22-1/2W<HR, K, Z, E>	C182	87-010-197-080		C-CAP, S 0.01-25 B
R108	87-022-538-010		RES, M/O 27-1W<HE, LH>	C983	87-015-819-080		C-CAP, 0.01-50 BK
R109	87-022-538-010		RES, M/O 27-1W<HE, LH>	C984	87-015-819-080		C-CAP, 0.01-50 BK
R110	87-022-538-010		RES, M/O 27-1W<HE, LH>	C985	87-010-197-080		C-CAP, S 0.01-25 B
R111	87-022-538-010		RES, M/O 27-1W<HE, LH>	C986	87-010-197-080		C-CAP, S 0.01-25 B
R145	87-022-050-080		RES, METAL 1W-0.22J	C990	87-010-197-080		C-CAP, S 0.01-25 B
R146	87-022-050-080		RES, METAL 1W-0.22J	C991	87-010-197-080		C-CAP, S 0.01-25 B
R186	87-022-200-080		RES, METAL 0.56-1W	C993	87-015-819-080		C-CAP, 0.01-50 BK
R187	87-022-538-010		RES, M/O 27-1W<HE, LH>	C994	87-010-197-080		C-CAP, S 0.01-25 B
△R188	87-029-366-010		FUSE, RES 4.7-1/2W FM<HE, LH>	C995	87-015-819-080		C-CAP, 0.01-50 BK
△R188	87-029-089-010		FUSE, RES 4.7-1/4W<HR, K, Z, E>	C996	87-015-627-080		C-CAP, 1000P-50 B
R255	87-022-050-080		RES, METAL 1W-0.22J	CF1	87-008-497-080		CERA LOCK CST7.68MTW
R256	87-022-050-080		RES, METAL 1W-0.22J	CF2	89-MX1-704-080		CERA LOCK (MU) 3.9MHZ
R257	87-022-050-080		RES, METAL 1W-0.22J	CF101	87-008-496-080		CERA LOCK CST2.09MG<HR, HE>
R258	87-022-050-080		RES, METAL 1W-0.22J	D14	87-017-376-080		LED, SEL6514C TP6
RY101	87-045-335-010		RELAY, G5Z-2A 12VDC	D15	87-017-376-080		LED, SEL6514C TP6
RY201	87-045-307-010		RELAY, LZ-12WM-K	D16	87-017-376-080		LED, SEL6514C TP6
SF401	87-030-105-010		FLTR, BPMBGA<Z>	D17	87-017-376-080		LED, SEL6514C TP6
TC401	87-011-219-080		CAP TRIMMER 10P	D18	87-017-376-080		LED, SEL6514C TP6
TC402	87-011-219-080		CAP TRIMMER 10P	D19	87-017-376-080		LED, SEL6514C TP6
TC403	87-011-219-080		CAP TRIMMER 10P<Z>	D20	87-017-376-080		LED, SEL6514C TP6
TC451	87-011-220-080		CAP TRIMMER 20P VCT<K, Z, E>	D42	87-017-369-080		LED, SEL 2510C TP-6
TC452	87-011-221-080		TRIMER, 30P VCT 51<K, Z, E>	D43	87-017-369-080		LED, SEL 2510C TP-6
W101	82-NT1-640-010		F-CABLE, 7P-2.5	FL1	82-VP2-615-010		FL, BJ124GK
W102	81-MV3-626-010		CORD, FG 15P<HE, LH>	FL2	82-NT1-631-010		FL, 9BT-119GK
W102	82-NT1-644-010		CORD, FG 15P<HR, K, Z, E>	J1	81-MX4-630-010		JACK, 3.5
X551	87-030-122-010		VIB, XTAL 7.2MHZ	L1	87-003-102-080		COIL, 10UH
FRONT C. B							
C3	87-010-197-080		C-CAP, S 0.01-25 B	L2	87-003-152-080		COIL, 100UH
C4	87-010-263-080		CAP, E 100-10	L10	87-003-102-080		COIL, 10UH
C5	87-010-178-080		C-CAP, S 1000P-50 B	L11	87-003-102-080		COIL, 10UH
C6	87-010-182-080		C-CAP, S 2200P-50 B	L13	87-005-152-080		COIL, 10UH
C8	87-010-404-080		CAP, E 4.7-50 SME	SW1	87-036-215-080		SW, TACT EVQ-21404M
C9	87-010-179-080		C-CAP, S 1200P-50 B	SW2	87-036-215-080		SW, TACT EVQ-21404M
C10	87-010-400-080		CAP, E 0.47-50 SME	SW3	87-036-215-080		SW, TACT EVQ-21404M
C11	87-012-145-080		C-CAP, S 270P-50CH	SW4	87-036-215-080		SW, TACT EVQ-21404M
C12	87-010-544-080		CAP, E 0.1-50 SME	SW5	87-036-215-080		SW, TACT EVQ-21404M
C13	87-010-405-080		CAP, E 10-50 SME	SW6	87-036-215-080		SW, TACT EVQ-21404M
C14	87-010-405-080		CAP, E 10-50 SME	SW7	87-036-215-080		SW, TACT EVQ-21404M
				SW8	87-036-215-080		SW, TACT EVQ-21404M
				SW9	87-036-215-080		SW, TACT EVQ-21404M
				SW10	87-036-215-080		SW, TACT EVQ-21404M

REF. NO	PART NO.	カナリ NO.	DESCRIPTION	REF. NO	PART NO.	カナリ NO.	DESCRIPTION
SW11	87-036-215-080		SW, TACT EVQ-21404M	C982	87-010-194-080		C-CAP, S 0.047-25 F
SW12	87-036-215-080		SW, TACT EVQ-21404M	△R244	87-029-017-090		RES, FUSE 10-1/4W
SW13	87-036-215-080		SW, TACT EVQ-21404M	VR201	82-NT1-632-010		VR, MOT 50KBX4, 100KC
SW14	87-036-215-080		SW, TACT EVQ-21404M				
SW15	87-036-215-080		SW, TACT EVQ-21404M				
VR1	81-MT3-633-010		VR 10KA RK11K1130				
VR2	82-NT1-650-010		VOL, SLIDE 100KW				
VR101	82-NT1-651-010		VOL, SLIDE 10KB<HR, HE>				
VOL C. B				TRAY C. B			
C204	87-018-134-080		CAP, TC-U 0.01-16 Y	SW801	87-036-215-080		SW, TACT EVQ-21404M
C207	87-010-405-080		CAP, E 10-50 SME	SW802	87-036-215-080		SW, TACT EVQ-21404M
C208	87-010-405-080		CAP, E 10-50 SME	SW803	87-036-215-080		SW, TACT EVQ-21404M
C209	87-012-154-080		C-CAP, S 150P-50 CH	SW804	87-036-215-080		SW, TACT EVQ-21404M
C210	87-012-154-080		C-CAP, S 150P-50 CH	SW805	87-036-215-080		SW, TACT EVQ-21404M
C213	87-010-401-080		CAP, E 1-50 SME	SW806	87-036-215-080		SW, TACT EVQ-21404M
C214	87-010-401-080		CAP, E 1-50 SME	SW807	87-036-215-080		SW, TACT EVQ-21404M
C215	87-010-404-080		CAP, E 4.7-50 SME	SW808	87-036-215-080		SW, TACT EVQ-21404M
C216	87-010-404-080		CAP, E 4.7-50 SME	SW809	87-036-215-080		SW, TACT EVQ-21404M
C217	87-010-183-080		C-CAP, S 2700P-50 B	SW810	87-036-215-080		SW, TACT EVQ-21404M
C218	87-010-183-080		C-CAP, S 2700P-50 B	SW811	87-036-215-080		SW, TACT EVQ-21404M
C219	87-012-155-080		C-CAP, S 180P-50 CH	SW812	87-036-215-080		SW, TACT EVQ-21404M
C220	87-012-155-080		C-CAP, S 180P-50 CH	SW813	87-036-215-080		SW, TACT EVQ-21404M
C221	87-010-405-080		CAP, E 10-50 SME	SW814	87-036-215-080		SW, TACT EVQ-21404M
C222	87-010-405-080		CAP, E 10-50 SME	SW815	87-036-215-080		SW, TACT EVQ-21404M
C225	87-010-400-080		CAP, E 0.47-50 SME	SW816	87-036-215-080		SW, TACT EVQ-21404M
C226	87-010-400-080		CAP, E 0.47-50 SME	SW817	87-036-215-080		SW, TACT EVQ-21404M
C227	87-010-404-080		CAP, E 4.7-50 SME	SW818	87-036-215-080		SW, TACT EVQ-21404M
C228	87-010-404-080		CAP, E 4.7-50 SME	SW819	87-036-215-080		SW, TACT EVQ-21404M
C229	87-010-405-080		CAP, E 10-50 SME	SW820	87-036-215-080		SW, TACT EVQ-21404M
C230	87-010-405-080		CAP, E 10-50 SME	SW821	87-036-215-080		SW, TACT EVQ-21404M
C231	87-010-405-080		CAP, E 10-50 SME	SW822	87-036-215-080		SW, TACT EVQ-21404M
C232	87-010-401-080		CAP, E 1-50 SME	SW823	87-036-215-080		SW, TACT EVQ-21404M
C233	87-010-401-080		CAP, E 1-50 SME	SW824	87-036-215-080		SW, TACT EVQ-21404M
C234	87-010-401-080		CAP, E 1-50 SME	SW825	87-036-215-080		SW, TACT EVQ-21404M
C237	87-010-101-080		CAP, E 220-16 SME	SW826	87-036-215-080		SW, TACT EVQ-21404M
C238	87-015-819-080		C-CAP 0.01	SW827	87-036-215-080		SW, TACT EVQ-21404M
C239	87-010-405-080		CAP, E 10-50 SME	SW828	87-036-110-010		SW, PUSH SPPB 62
C240	87-010-263-080		CAP, E 100-10	SW829	87-036-110-010		SW, PUSH SPPB 62
C241	87-010-546-080		CAP, E 0.33-50 SME				
C244	87-010-401-080		CAP, E 1-50 SME	MOTOR C. B			
C245	87-010-101-080		CAP, E 220-16 SME	C401	87-010-263-080		CAP, E 100-10
C246	87-010-406-080		CAP, E 22-50 SME	C402	87-010-263-080		CAP, E 100-10
C247	87-010-112-080		CAP, E 100-16				
C248	87-010-186-080		C-CAP, S 4700P-50 B	PT-1 C. B			
C250	87-010-189-080		C-CAP, S 8200P-50 B	△	87-033-213-080		CLAMP, FUSE SMK<HR, HE, LH>
C251	87-010-405-080		CAP, E 10-50 SME	△F101	87-035-366-010		FUSE, 2.5A 250V T E/K<HR, HE, LH>
C252	87-010-197-080		C-CAP, S 0.01-25 B	PT-2 C. B			
C255	87-018-127-080		CAP, TC-U 470P-50 B	R998	87-022-184-080		RES, METAL 0.33-1W<HE, LH>
C256	87-010-321-080		C-CAP, S 82P-50 CH	R998	87-022-050-080		RES, METAL 1W-0.22J
C257	87-010-184-080		C-CAP, S 3300P-50 B	SW C. B			
C258	87-010-405-080		CAP, E 10-50 SME	SW901	87-036-173-010		SW, SL 2-2-4 SDKG<HR, HE, LH>
C259	87-010-405-080		CAP, E 10-50 SME				
C260	87-010-197-080		C-CAP, S 0.01-25 B	DSP C. B			
C261	87-010-197-080		C-CAP, S 0.01-25 B	C902	87-010-194-080		C-CAP, S 0.047-25 F
C262	87-010-197-080		C-CAP, S 0.01-25 B	C903	87-012-349-080		C-CAP, S 1000P-50 CH
C264	87-010-404-080		CAP, E 4.7-50 SME	C904	87-012-349-080		C-CAP, S 1000P-50 CH
C269	87-010-404-080		CAP, E 4.7-50 SME	C905	87-010-234-080		CAP, E 47-16 5L
C281	87-010-405-080		CAP, E 10-50 SME	C906	87-010-234-080		CAP, E 47-16 5L
C282	87-010-405-080		CAP, E 10-50 SME	C907	87-012-349-080		C-CAP, S 1000P-50 CH
C285	87-010-405-080		CAP, E 10-50 SME	C908	87-012-349-080		C-CAP, S 1000P-50 CH
C286	87-010-263-080		CAP, E 100-10	C911	87-016-264-080		C-CAP, TN4.7-6.3 F95Q
C301	87-012-145-080		C-CAP S 270P-50CH<HR, K, Z, E>	C912	87-010-805-080		C-CAP, S 1-16F
C302	87-012-145-080		C-CAP S 270P-50CH<HR, K, Z, E>	C913	87-010-079-080		CAP, E 100-6.3 5L
C303	87-010-405-080		CAP, E 10-50 SME	C915	87-016-264-080		C-CAP, TN4.7-6.3 F95Q
C304	87-010-405-080		CAP, E 10-50 SME	C916	87-010-196-080		C-CAP, S 0.1-25 F
C307	87-010-405-080		CAP, E 10-50 SME	C917	87-010-196-080		C-CAP, S 0.1-25 F
C308	87-010-405-080		CAP, E 10-50 SME	C918	87-010-293-080		C-CAP, 47P-50 CH
C312	87-010-404-080		CAP, E 4.7-50 SME	C919	87-010-196-080		C-CAP, S 0.1-25 F
C313	87-010-374-080		CAP, E 47-10	C920	87-010-197-080		C-CAP, S 0.01-25 B
C314	87-010-374-080		CAP, E 47-10	C921	87-010-075-080		CAP, E 10-16 5L
C351	87-010-197-080		C-CAP, S 0.01-25 B				
C981	87-010-194-080		C-CAP, S 0.047-25 F				

REF. NO	PART NO.	カナリ NO.	DESCRIPTION	REF. NO	PART NO.	カナリ NO.	DESCRIPTION
C922	87-010-075-080		CAP, E 10-16 5L	△	87-050-034-010		AC CORD ASSY, E<HR>
C923	87-010-318-080		C-CAP, S 47P-50 CH	△	87-050-029-010		AC CORD ASSY, K 3P<K>
C924	87-010-318-080		C-CAP, S 47P-50 CH	△	82-187-797-010		AC POWER CORD E Z ON<HE>
C925	87-010-196-080		C-CAP, S 0. 1-25 F	△	87-085-184-010		BUSHING, AC CORD D<LH>
C926	87-010-071-080		CAP, E 1-50 5L	△	87-085-185-010		BUSHING, AC CORD E<EXCEPT LH>
C927	87-010-075-080		CAP, E 10-16 5L		89-VT5-202-010		BUSHING, FG CORD
C928	87-010-197-080		C-CAP, S 0. 01-25 B	FC1	82-NT1-641-010		F-CABLE 5P-1. 25
C929	87-010-196-080		C-CAP, S 0. 1-25 F	△PT101	82-NT1-608-010		PT, 2NT-1 EKZ<K, Z, E>
C930	87-010-196-080		C-CAP, S 0. 1-25 F	△PT101	82-NT1-606-010		PT, 2NT-1 H<HE, LH>
C931	87-010-075-080		CAP, E 10-16 5L	△PT101	82-NT1-609-010		PT, 2NT-1 HR<HR>
C933	87-010-322-080		C-CAP, S 100P-50 CH	WIRE1	82-NT1-641-010		F-CABLE 5P-1. 25
C934	87-010-194-080		C-CAP, S 0. 047-25 F				
C936	87-010-197-080		C-CAP, S 0. 01-25 B				
C937	87-010-317-080		C-CAP, S 39P-50 CH				
C938	87-010-317-080		C-CAP, S 39P-50 CH				
C940	87-010-197-080		C-CAP, S 0. 01-25 B				
C941	87-010-318-080		C-CAP, S 47P-50 CH				
C942	87-010-074-080		CAP, E 4. 7-35 5L				
C943	87-010-197-080		C-CAP, S 0. 01-25 B				
C944	87-010-194-080		C-CAP, S 0. 047-25 F				
C945	87-010-197-080		C-CAP, S 0. 01-25 B				
C946	87-010-074-080		CAP, E 4. 7-35 5L				
C947	87-010-197-080		C-CAP, S 0. 01-25 B				
C948	87-010-074-080		CAP, E 4. 7-35 5L				
C949	87-010-074-080		CAP, E 4. 7-35 5L				
C951	87-010-197-080		C-CAP, S 0. 01-25 B				
C952	87-015-819-080		C-CAP 0. 01				
C956	87-010-197-080		C-CAP, S 0. 01-25 B				
C960	87-010-194-080		C-CAP, S 0. 047-25 F				
C961	87-012-157-080		C-CAP, S 330P-50 CH				
C966	87-010-805-080		C-CAP, S 1-16F				
C967	87-010-075-080		CAP, E 10-16 5L				
C970	87-010-079-080		CAP, E 100-6. 3 5L				
C971	87-016-264-080		C-CAP, TN4. 7-6. 3 F95Q				
C972	87-016-264-080		C-CAP, TN4. 7-6. 3 F95Q				
C973	87-010-197-080		C-CAP, S 0. 01-25 B				
C974	87-010-071-080		CAP, E 1-50 5L				
C975	87-010-197-080		C-CAP, S 0. 01-25 B				
C977	87-010-194-080		C-CAP, S 0. 047-25 F				
C979	87-010-079-080		CAP, E 100-6. 3 5L				
C980	87-010-079-080		CAP, E 100-6. 3 5L				
C981	87-010-079-080		CAP, E 100-6. 3 5L				
C982	87-010-079-080		CAP, E 100-6. 3 5L				
C985	87-010-234-080		CAP, E 47-16 5L				
C987	87-010-307-080		C-CAP, 680P-50 CH				
C988	87-010-176-080		C-CAP, S 680P-50 SL				
C989	87-010-183-080		C-CAP, S 2700P-50 B				
C990	87-010-183-080		C-CAP, S 2700P-50 B				
C992	87-010-234-080		CAP, E 47-16 5L				
C993	87-010-074-080		CAP, E 4. 7-35 5L				
C994	87-010-074-080		CAP, E 4. 7-35 5L				
C997	87-010-320-080		C-CAP, S 68P-50 CH				
C998	87-010-320-080		C-CAP, S 68P-50 CH				
C999	87-010-320-080		C-CAP, S 68P-50 CH				
FB1	87-005-512-080		C-COIL, BLM21A05				
FB2	87-005-512-080		C-COIL, BLM21A05				
FB7	87-005-512-080		C-COIL, BLM21A05				
FB3	87-008-372-080		FLTR, EMI BL 01RNI				
FB4	87-008-372-080		FLTR, EMI BL 01RNI				
FB5	87-008-372-080		FLTR, EMI BL 01RNI				
FB6	87-008-372-080		FLTR, EMI BL 01RNI				
L901	87-005-153-080		COIL, 47UH				
L903	87-005-153-080		COIL, 47UH				
L904	87-005-153-080		COIL, 47UH				
X901	87-030-146-010		VIB, XTAL 22. 5792MHZ				
X902	87-008-394-080		CF CST 4. 19MGW				

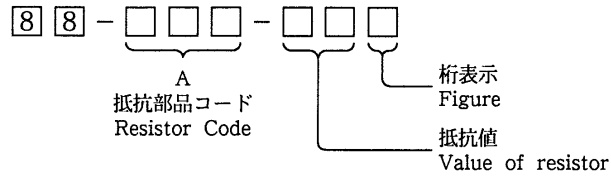
IC C. B<HR, K, Z, E>

MISCELLANEOUS

△	87-034-727-010		AC CORD ASSY, D<LH>
△	87-050-016-010		AC CORD ASSY, E<Z, E>

○チップ抵抗部品コード/CHIP RESISTOR PART CODE

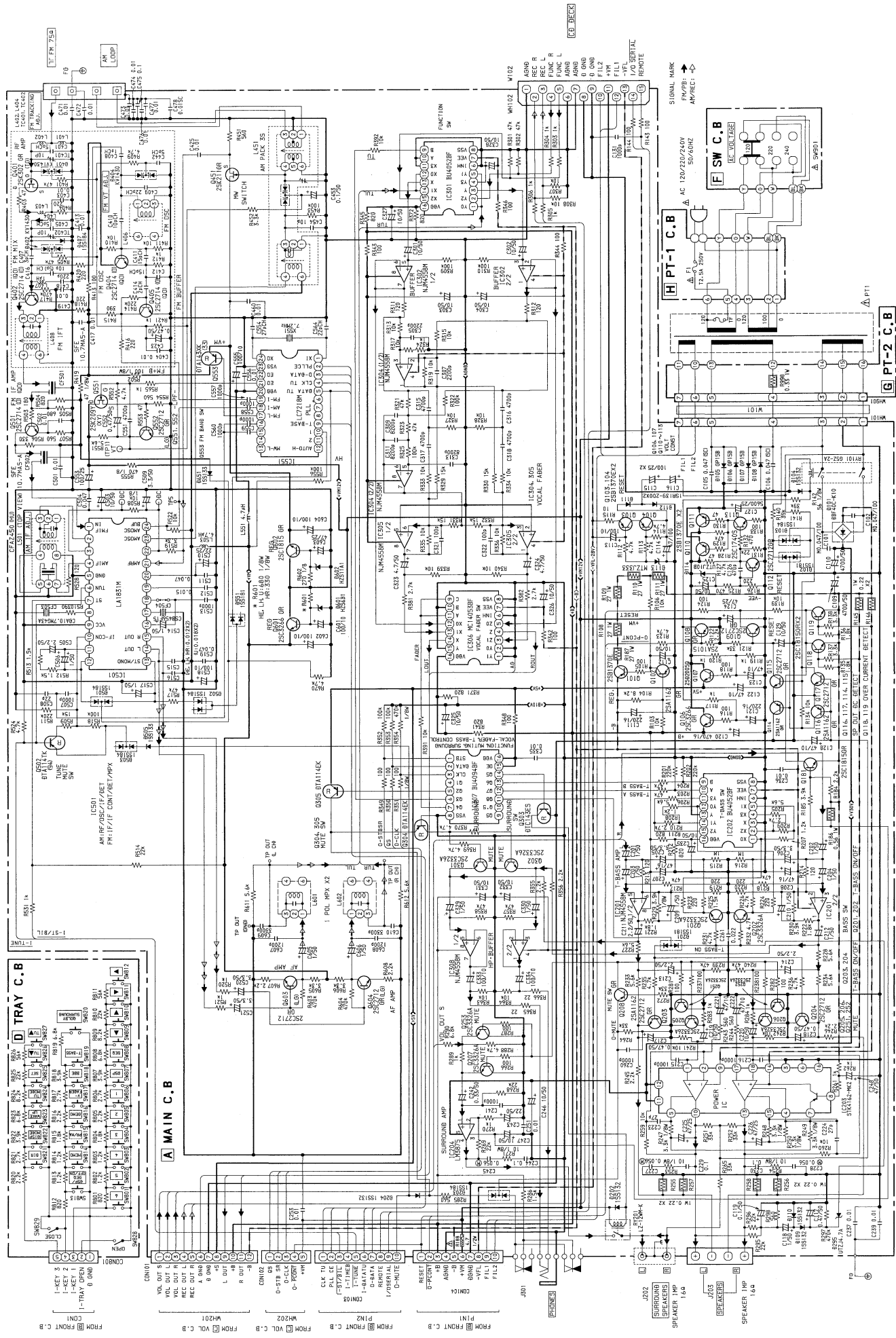
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

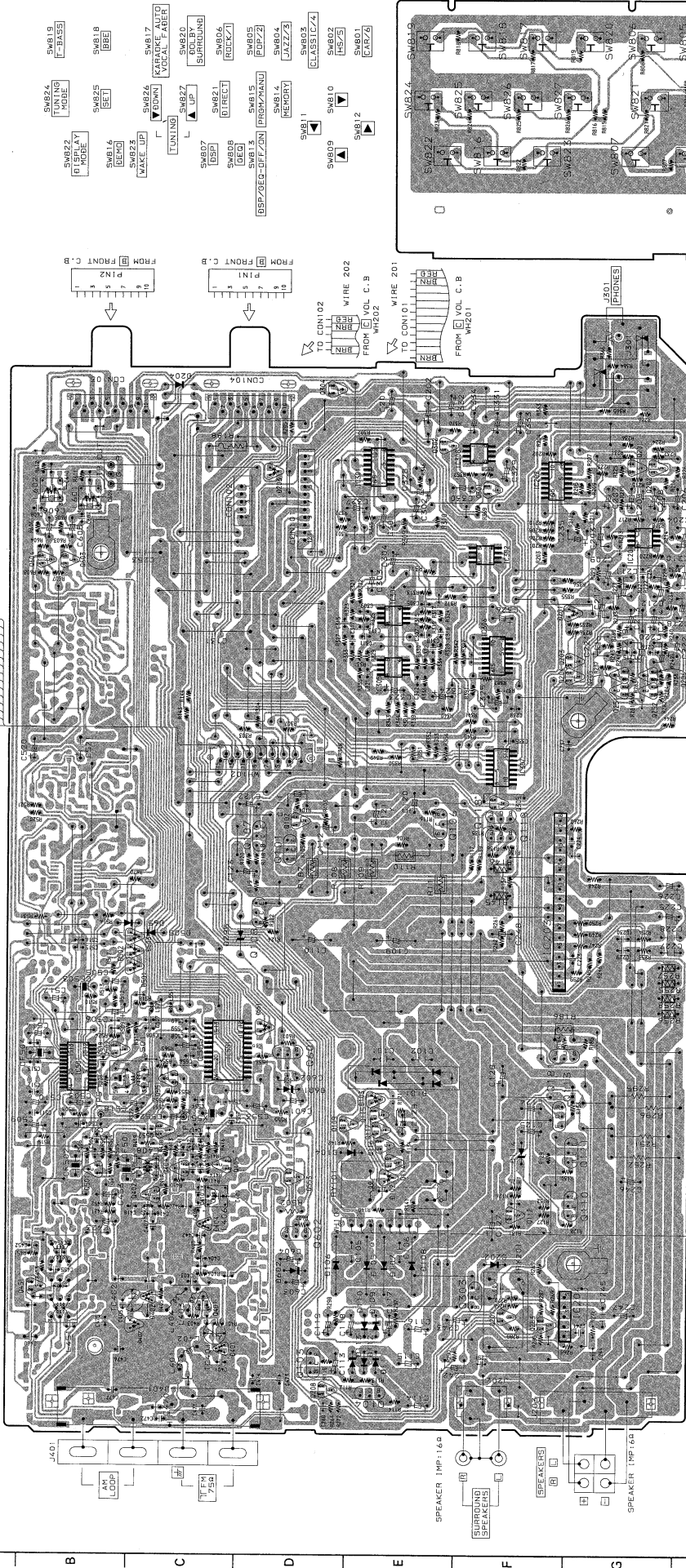
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions/寸法 (mm)			Resistor Code : A 抵抗コード : A	
				Form/外形	L	W		t
1/32W	1608	± 5 %	CJ		1.6	0.8	0.35	108
1/10W	2125	± 5 %	CJ		2	1.25	1.45	118
1/8W	3126	± 5 %	CJ		3.2	1.6	0.5 ~0.7	128

SCHEMATIC DIAGRAM - 1 (HE, LH MODELS)

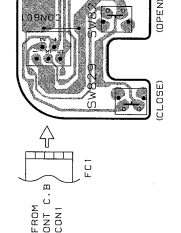
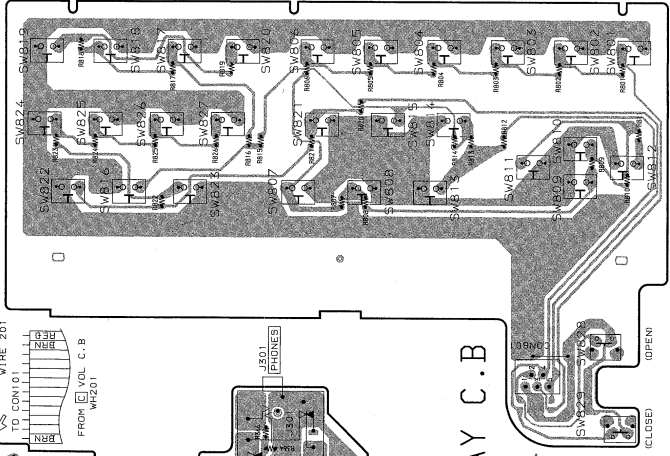


1 2 3 4 5 6 7 8 9 10 11 12 13 14

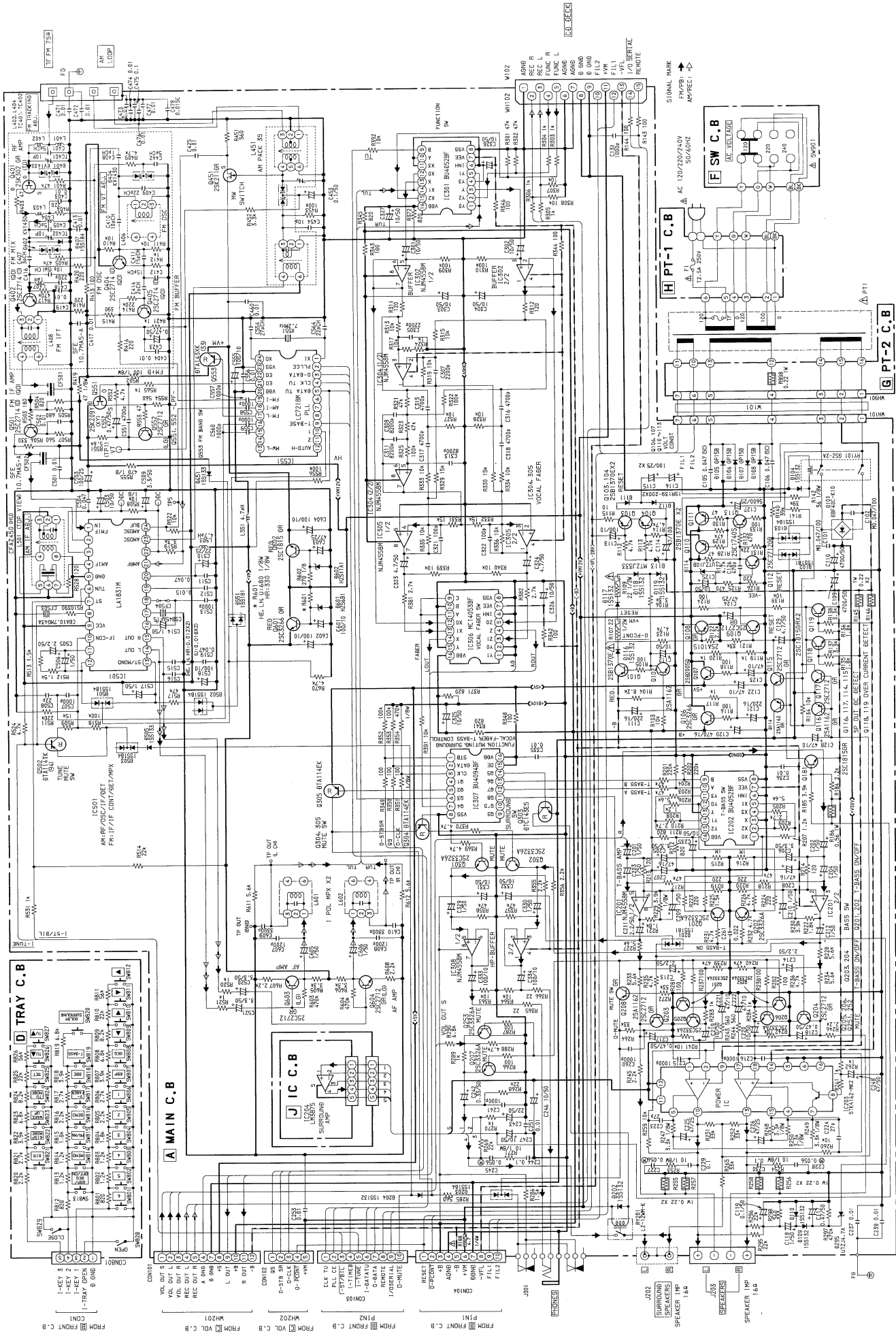
A MAIN C.B



TRAY C.B

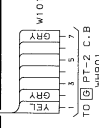
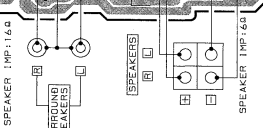
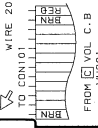
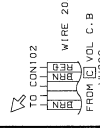
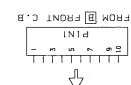
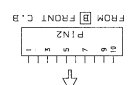
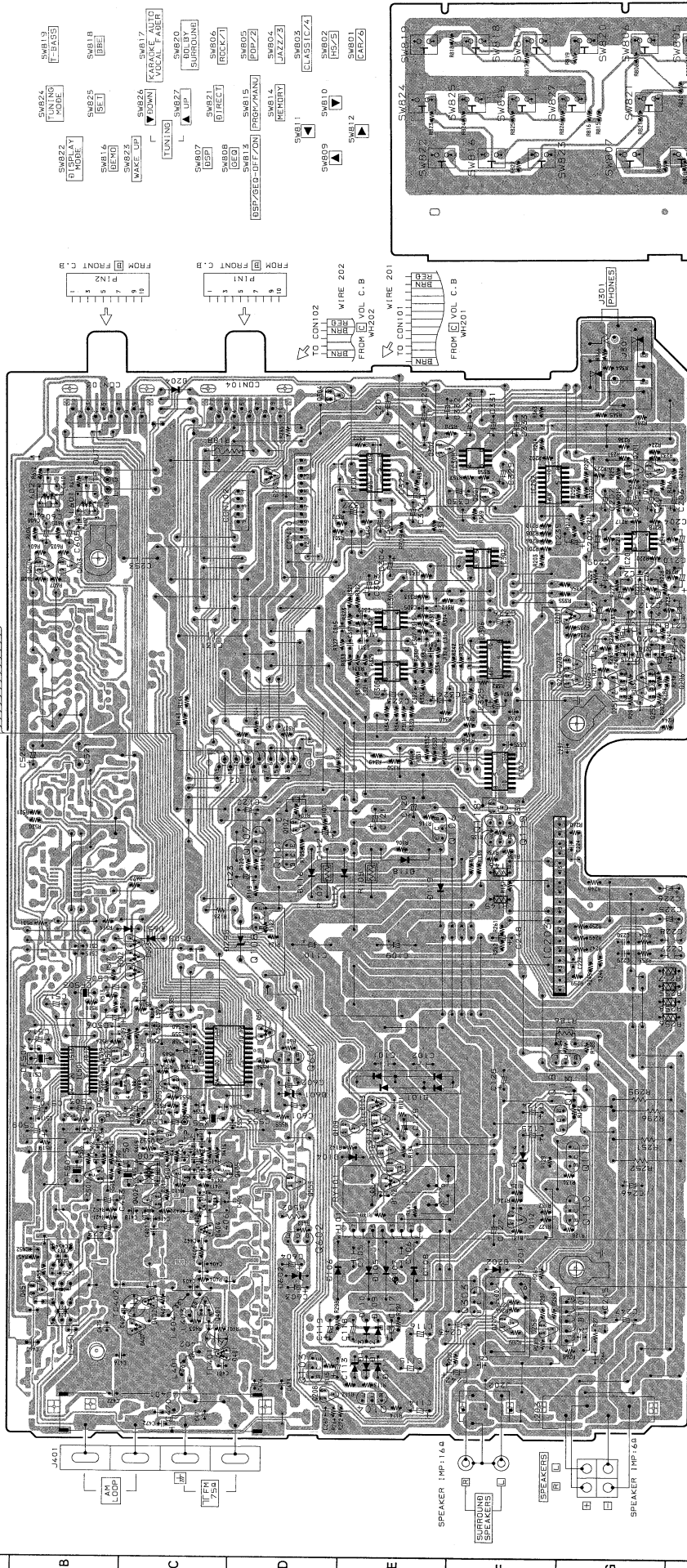


SCHEMATIC DIAGRAM - 2 (HR MODEL)

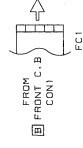
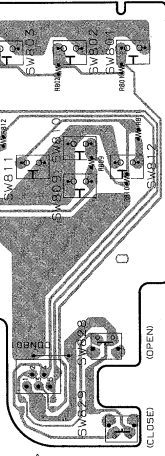


1 2 3 4 5 6 7 8 9 10 11 12 13 14

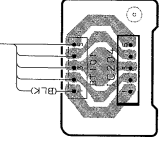
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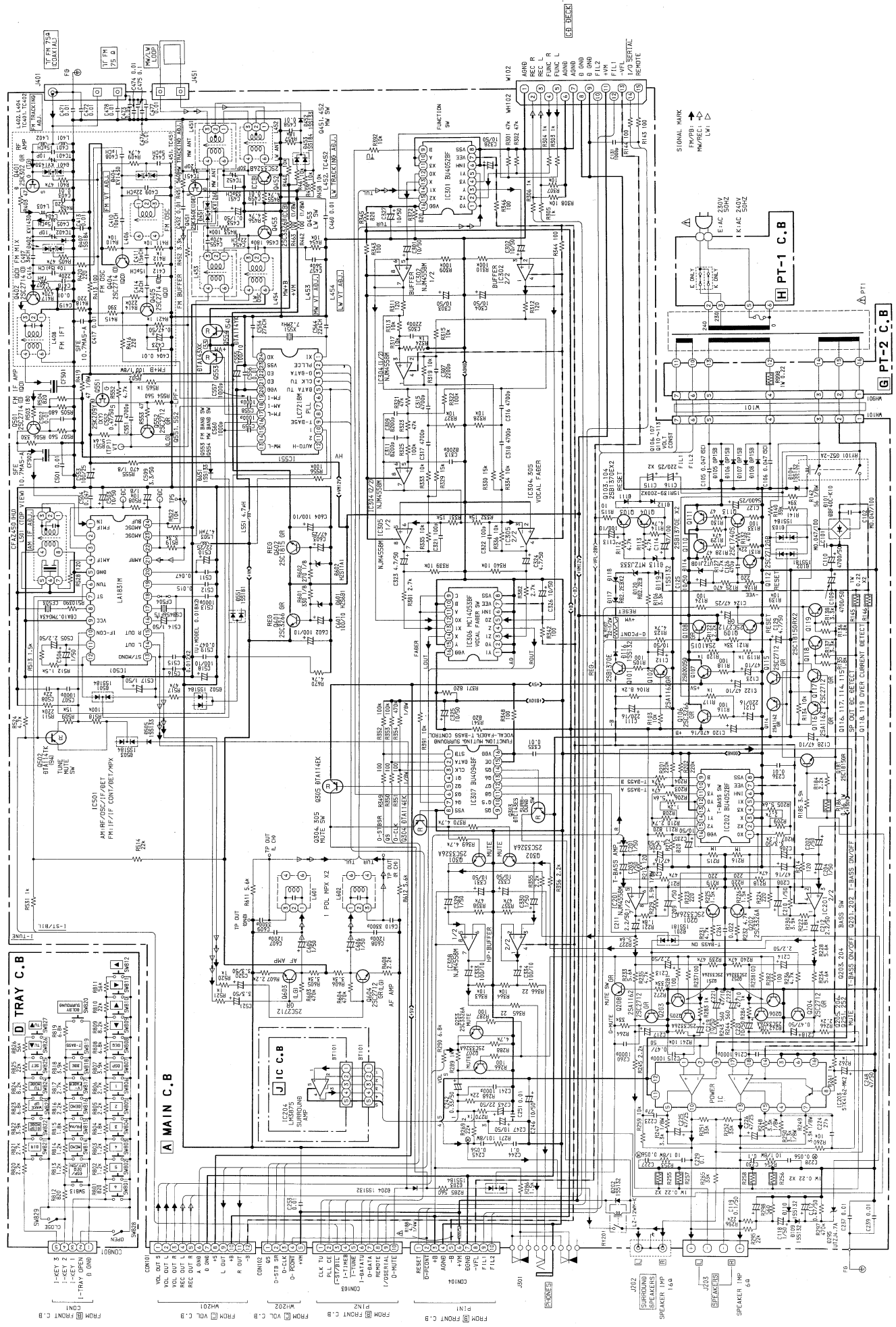
D TRAY C.B.



J IC C.B.

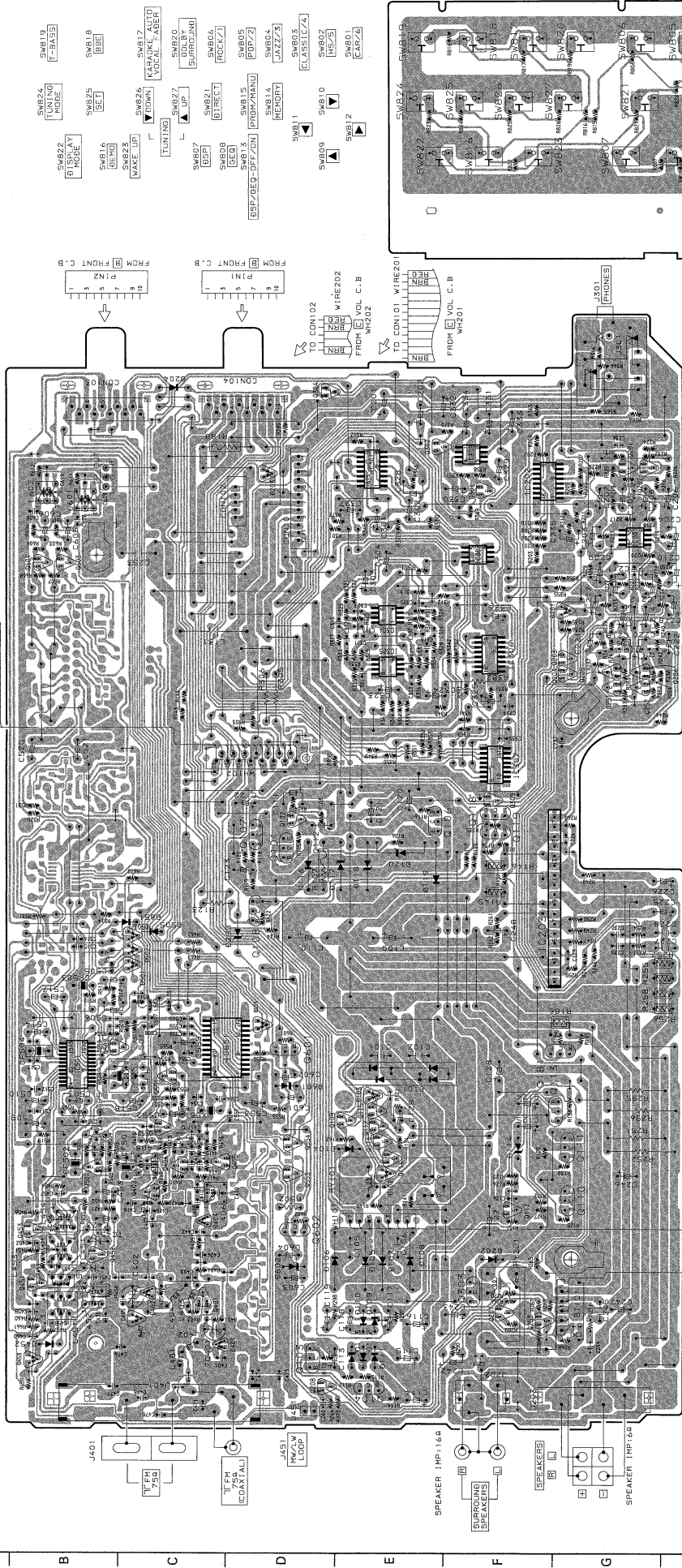


SCHEMATIC DIAGRAM - 3 (E, K MODELS)

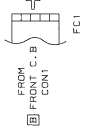
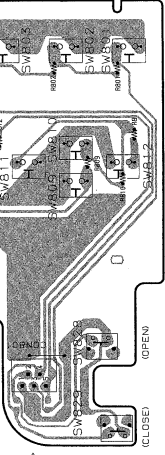




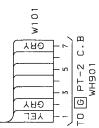
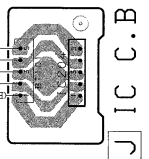
A MAIN C.B.



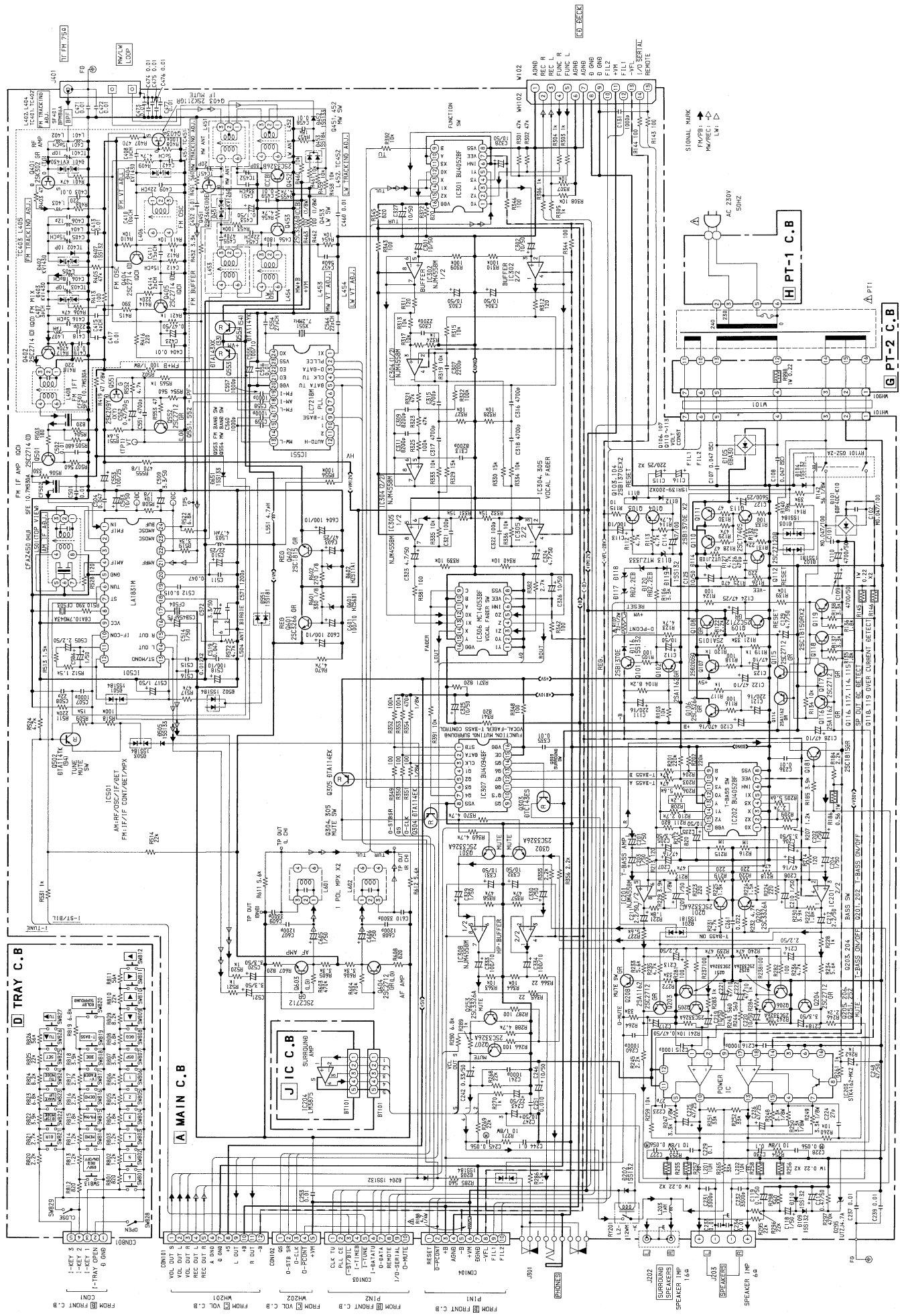
TRAY C.B.

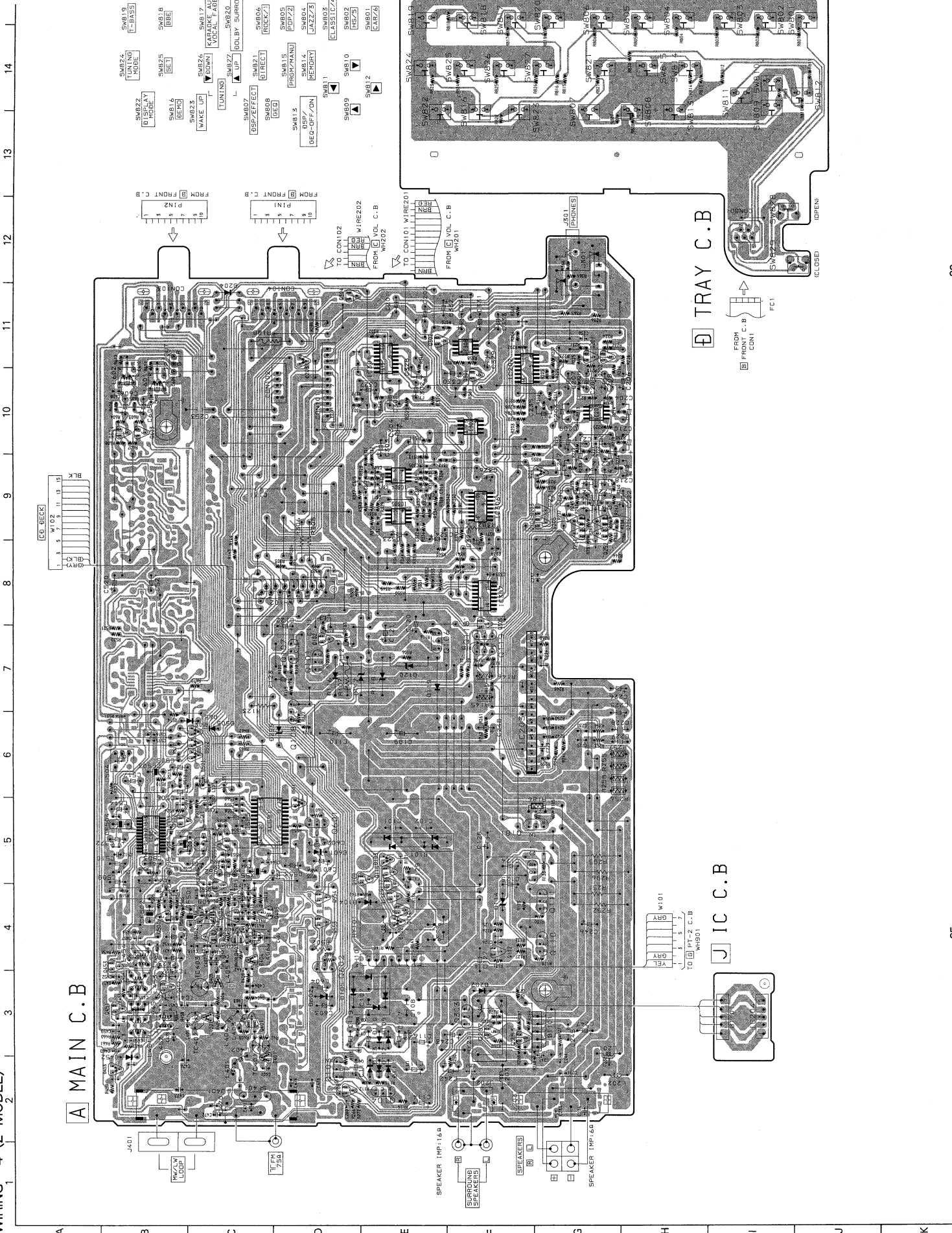


J IC C.B.



SCHEMATIC DIAGRAM - 4 (Z MODEL)

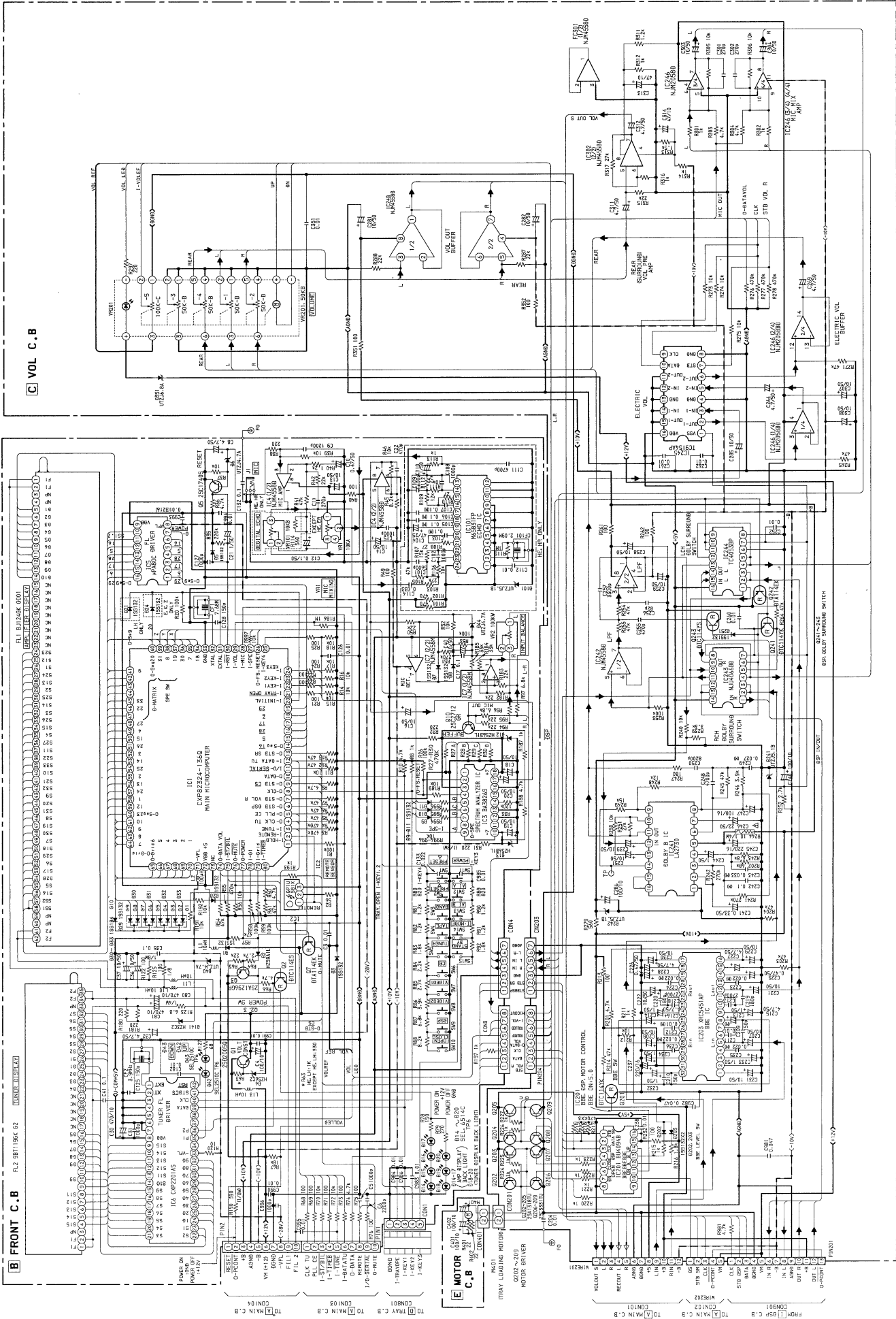




A MAIN C.B.

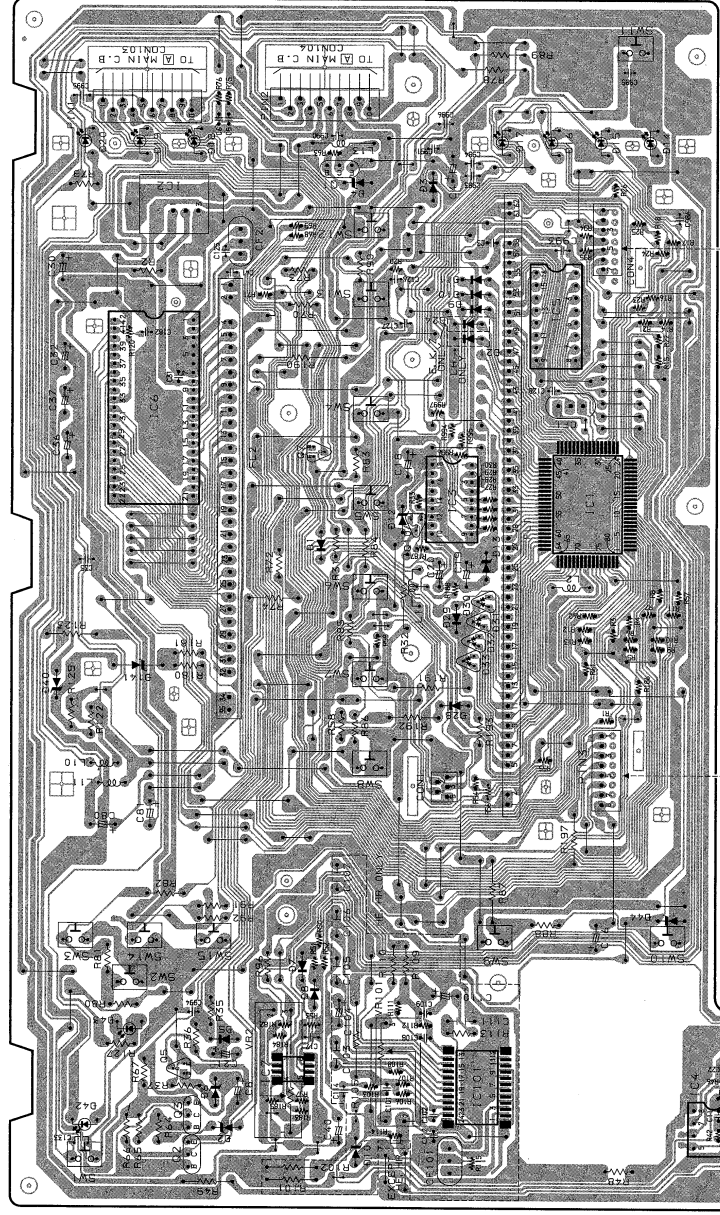
TRAY C.B.

J IC C.B.



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

B FRONT C.B.

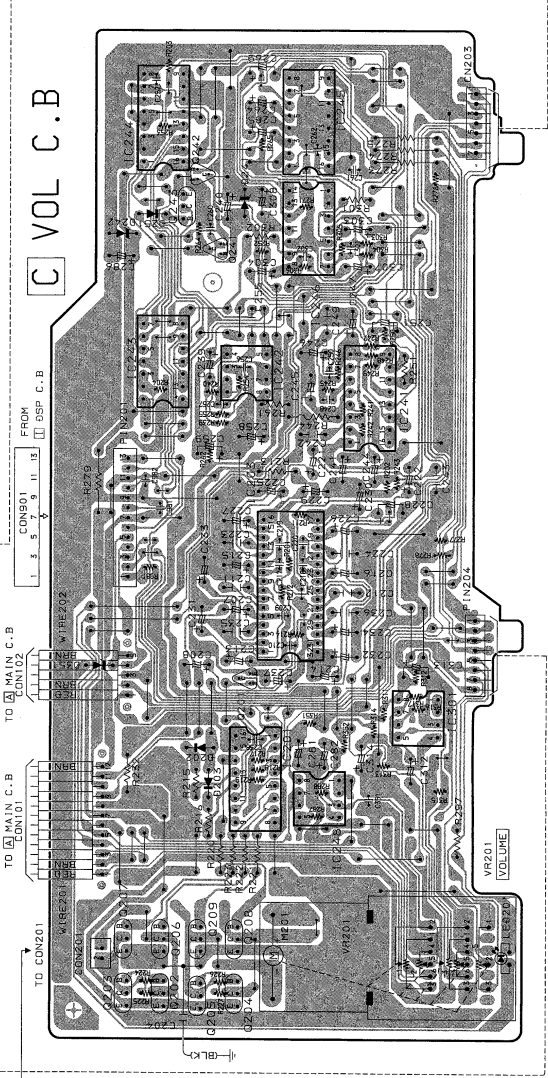


- SW2 [BAND]
- SW1 [STATION PRESET]
- SW2 [DOWN]
- SW1 [UP]
- SW4 [CHECK]
- SW3 [C-CHECK]
- SW5 [STANDBY]
- VR2 [INPUT BALANCE]
- VR10 [HE, HR ONLY]
- VR10 [DIGITAL ECHO]
- VR1 [RISK/TXLINE]
- VR1 [MUTE]
- VR2 [RISK]
- VR3 [RISK]
- VR4 [RISK]
- VR5 [RISK]
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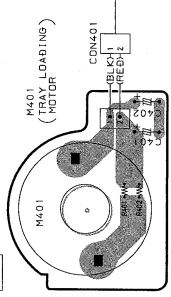
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- SW11 [STANDBY/ON]
- SW2 [FUNCTION]
- SW3 [VIBRO2/AUX]
- SW4 [VIBRO1/BAT]
- SW5 [TUNER]
- SW6 [TAPE]
- SW7 [A]
- SW8 [B]
- SW9 [A]
- SW10 [B]
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C VOL C.B.



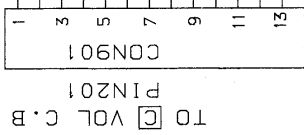
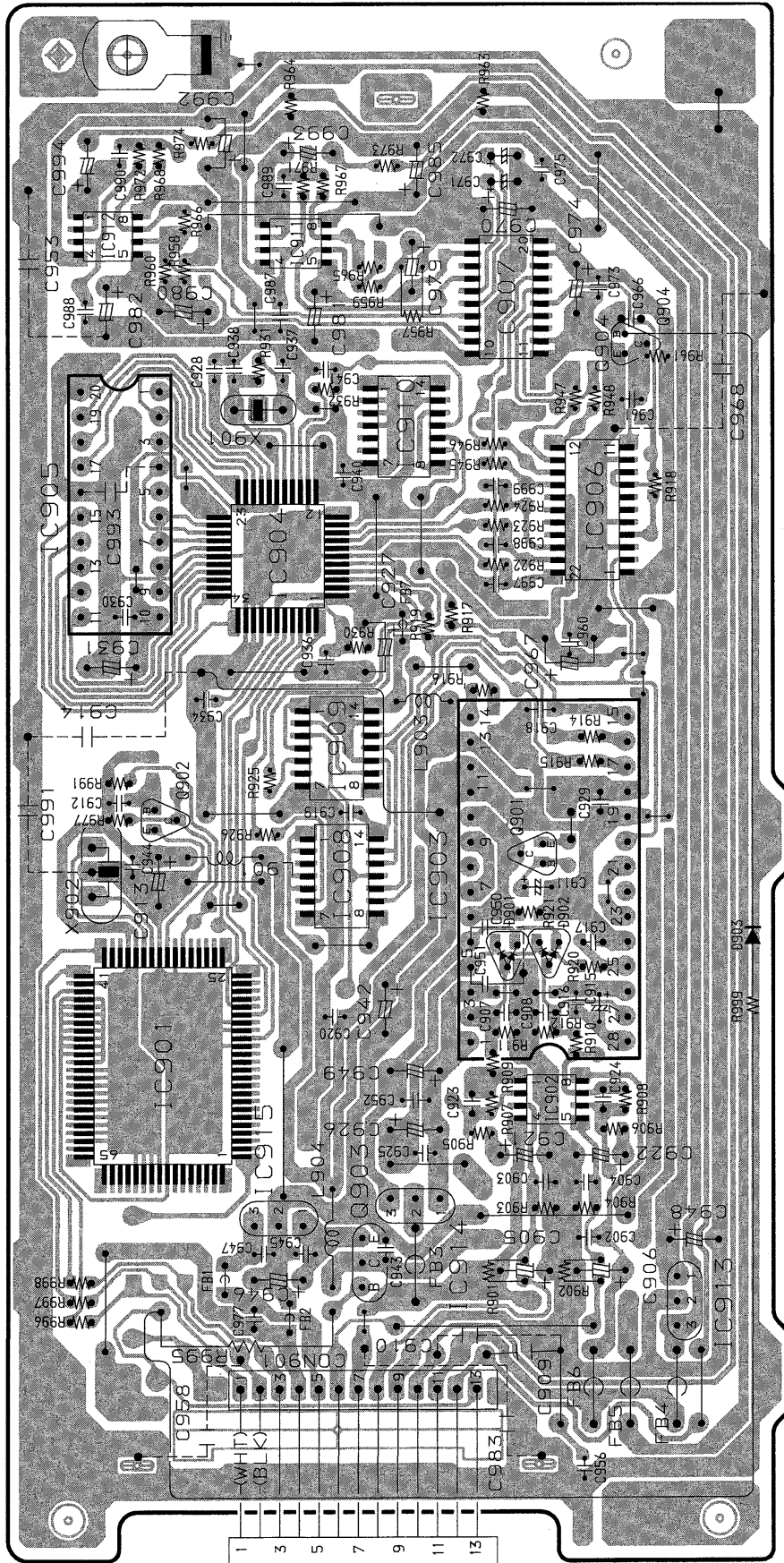
E MOTOR C.B.

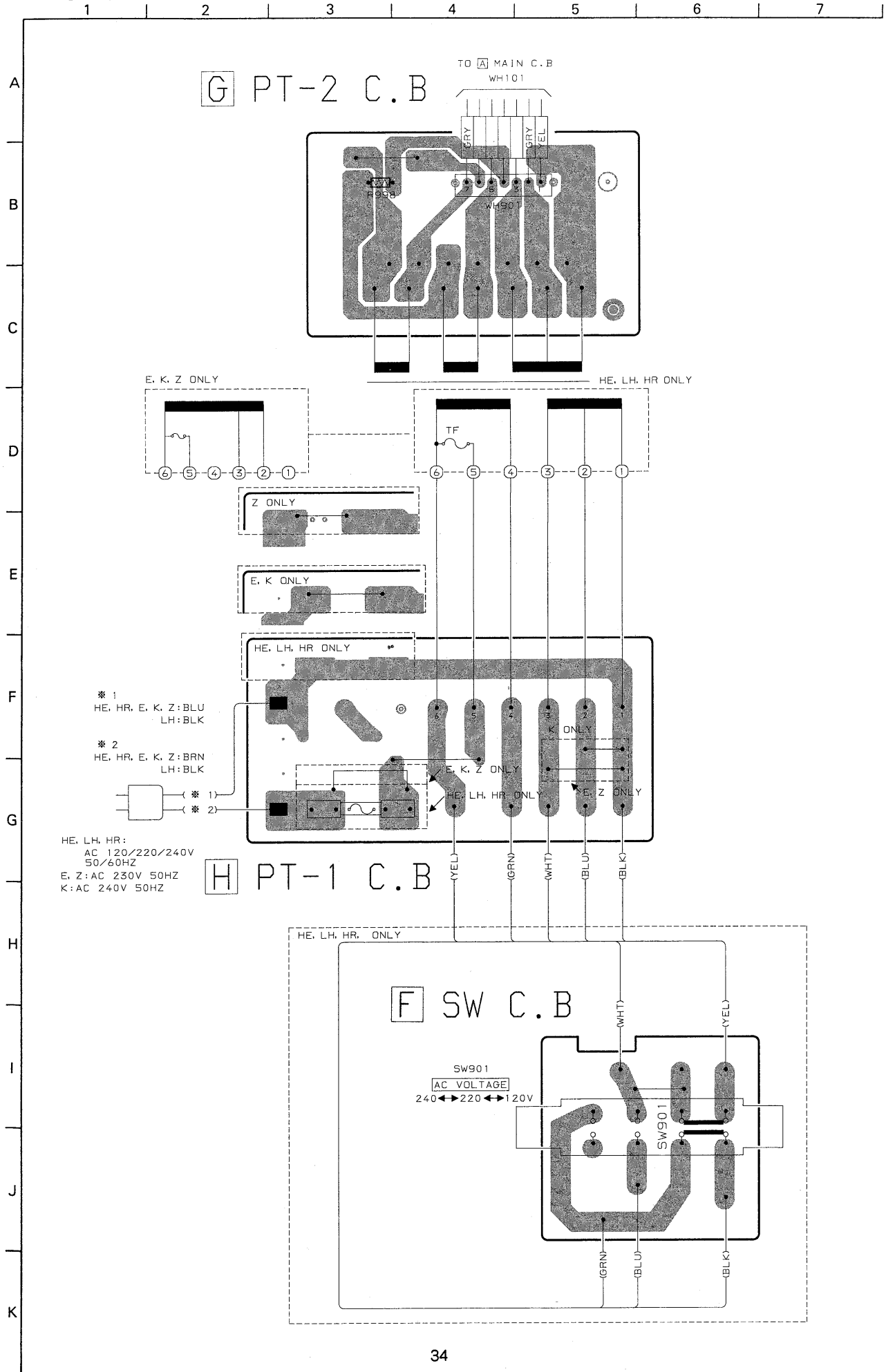


1 2 3 4 5 6 7

A B C D E F G H I J K

I DSP C.B

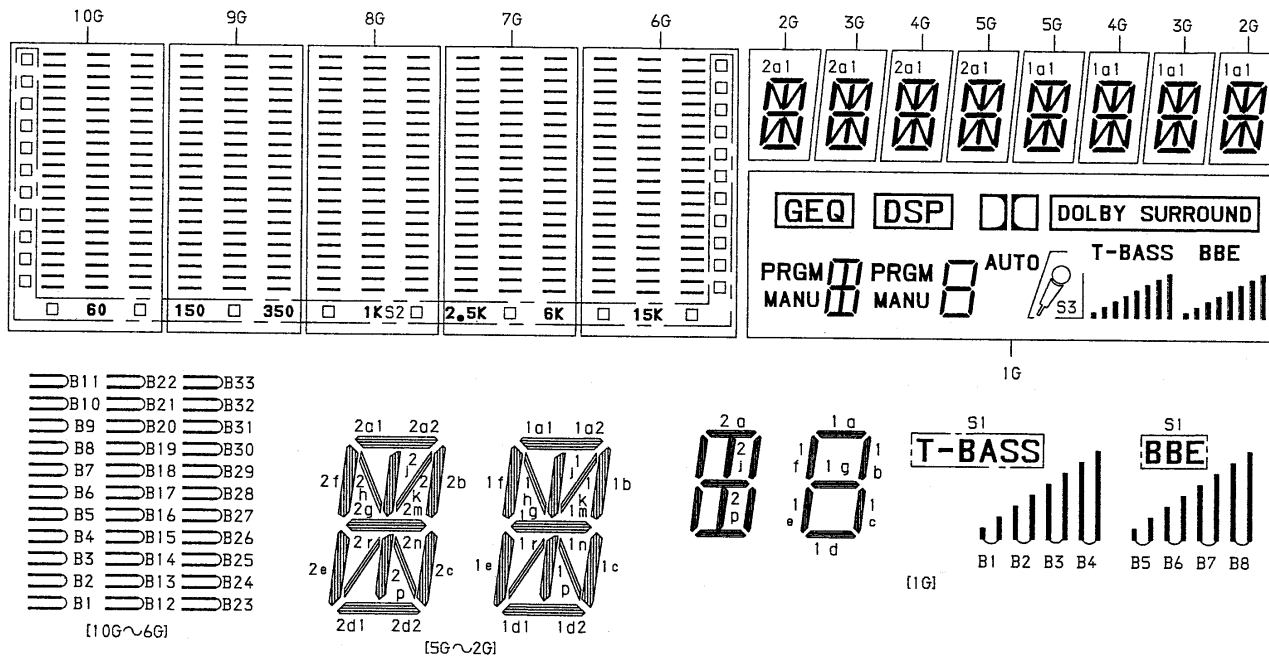




FL (DISPLAY)

FL, BJ124GK

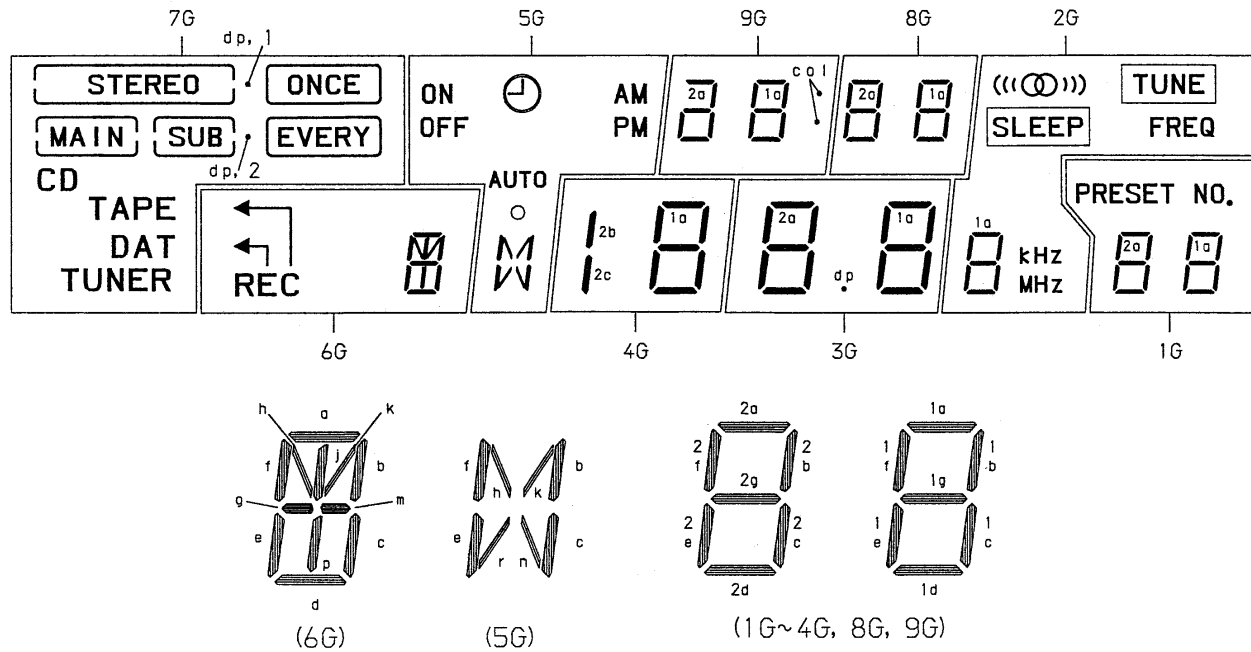
GRID ASSIGNMENT



ANODE CONNECTION

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
S1	B1	B1	B1	B1	B1	1a2	1a2	1a2	1a2	B6
S2	B2	B2	B2	B2	B2	1k	1k	1k	1k	B3
S3	B3	B3	B3	B3	B3	1g	1g	1g	1g	SURROUND
S4	B4	B4	B4	B4	B4	1e	1e	1e	1e	AUTO
S5	B5	B5	B5	B5	B5	1p	1p	1p	1p	1a, 1d
S6	B6	B6	B6	B6	B6	2d2	2d2	2d2	2d2	[GEQ]
S7	B7	B7	B7	B7	B7	2n	2n	2n	2n	2b
S8	B8	B8	B8	B8	B8	2c	2c	2c	2c	[DSP]
S9	B9	B9	B9	B9	B9	2f	2f	2f	2f	2d
S10	B10	B10	B10	B10	B10	2h	2h	2h	2h	PRGM [GEQ]
S11	B11	B11	B11	B11	B11	2a1	2a1	2a1	2a1	1f
S12	B12	B12	B12	B12	B12	1a1	1a1	1a1	1a1	B7
S13	B13	B13	B13	B13	B13	1h	1h	1h	1h	B4
S14	B14	B14	B14	B14	B14	1f	1f	1f	1f	B1
S15	B15	B15	B15	B15	B15	1c	1c	1c	1c	<input type="checkbox"/> [DOLBY]
S16	B16	B16	B16	B16	B16	1n	1n	1n	1n	1b
S17	B17	B17	B17	B17	B17	1d2	1d2	1d2	1d2	1e
S18	B18	B18	B18	B18	B18	2p	2p	2p	2p	2c
S19	B19	B19	B19	B19	B19	2e	2e	2e	2e	PRGM [DSP]
S20	B20	B20	B20	B20	B20	2g	2g	2g	2g	2g
S21	B21	B21	B21	B21	B21	2k	2k	2k	2k	2f
S22	B22	B22	B22	B22	B22	2a2	2a2	2a2	2a2	-
S23	B23	B23	B23	B23	B23	-	-	-	-	B8
S24	B24	B24	B24	B24	B24	1j	1j	1j	1j	B5
S25	B25	B25	B25	B25	B25	1b	1b	1b	1b	B2
S26	B26	B26	B26	B26	B26	1m	1m	1m	1m	S3
S27	B27	B27	B27	B27	B27	1r	1r	1r	1r	1c
S28	B28	B28	B28	B28	B28	1d1	1d1	1d1	1d1	1g
S29	B29	B29	B29	B29	B29	2d1	2d1	2d1	2d1	2a
S30	B30	B30	B30	B30	B30	2r	2r	2r	2r	MANU [DSP]
S31	B31	B31	B31	B31	B31	2m	2m	2m	2m	2j, 2p
S32	B32	B32	B32	B32	B32	2b	2b	2b	2b	2e
S33	B33	B33	B33	B33	B33	2j	2j	2j	2j	MANU [GEQ]
SS1	S2	S2	S2	S2	S2	-	-	-	-	-
SS2	-	-	-	-	-	-	-	-	-	GEQ DSP S1

GRID ASSIGNMENT

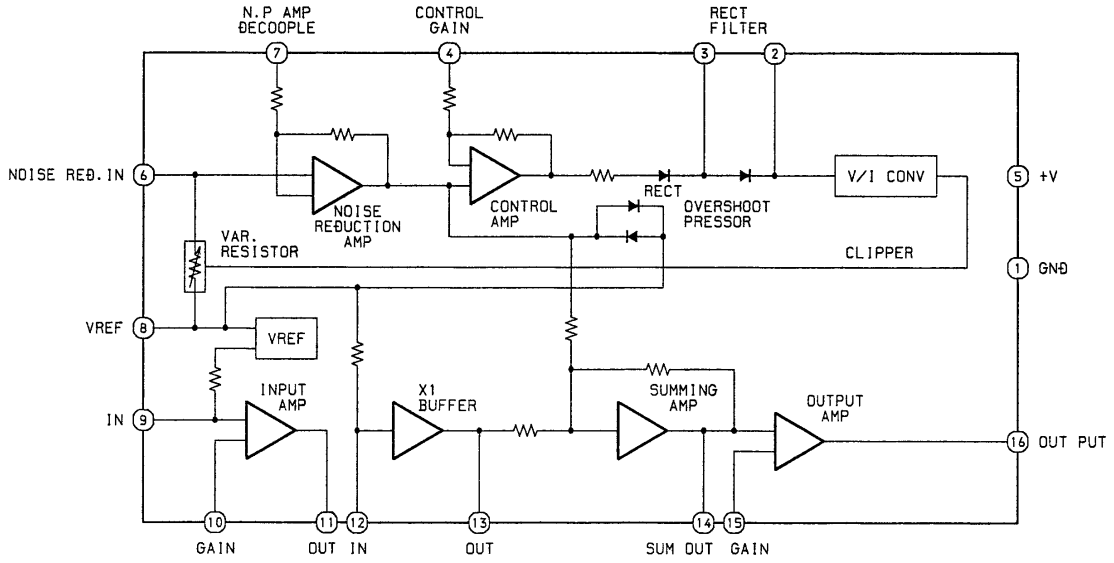


ANODE CONNECTION

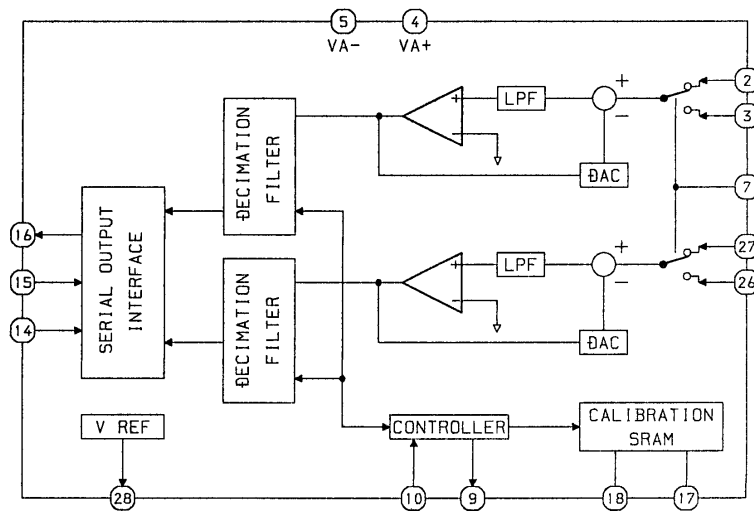
	9G	8G	7G	6G	5G	4G	3G	2G	1G
S1	1 a	1 a	STEREO	a	ON	1a	1a	1a	1a
S2	1 b	1 b	d p 1	b	b	1b	1b	1b	1b
S3	1 c	1 c	d p 2	c	c	1c	1c	1c	1c
S4	1 d	1 d	DAT	d	PM	1d	1d	1d	1d
S5	1 e	1 e	TAPE	e	e	1e	1e	1e	1e
S6	1 f	1 f	MAIN	f	f	1f	1f	1f	1f
S7	1 g	1 g	SUB	g, m	⌚	1g	1g	1g	1g
S8	2g, 2g 2d, 2e	2 a	(STEREO)	h	h	—	2a	TUNE	2a
S9	2 b	2 b	ONCE	j, p	k	2b, 2c	2b	FREQ	2b
S10	2 c	2 c	EVERY	—	OFF	—	2c	SLEEP	2c
S11	—	2 d	TUNER	REC	r	—	2d	((∞))	2d
S12	—	2 e	CD	(DAT) ←	n	—	2e	KHZ	2e
S13	c o l	2 f	(MAIN)	k	AUTO	—	2f	MHZ	2f
S14	—	2 g	(SUB)	(TAPE) ←	AM	—	2g	—	2g
S15	—	—	—	—	o	—	d p	—	PRESET NO.

IC BLOCK DIAGRAM

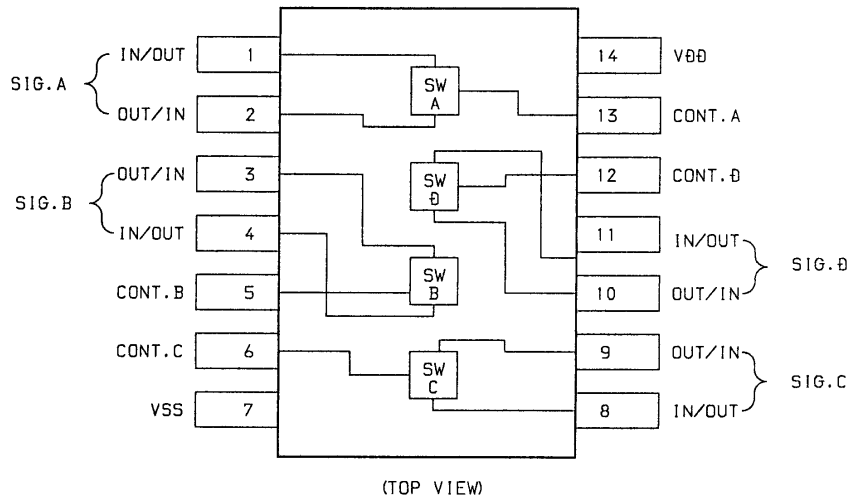
IC, LA2730



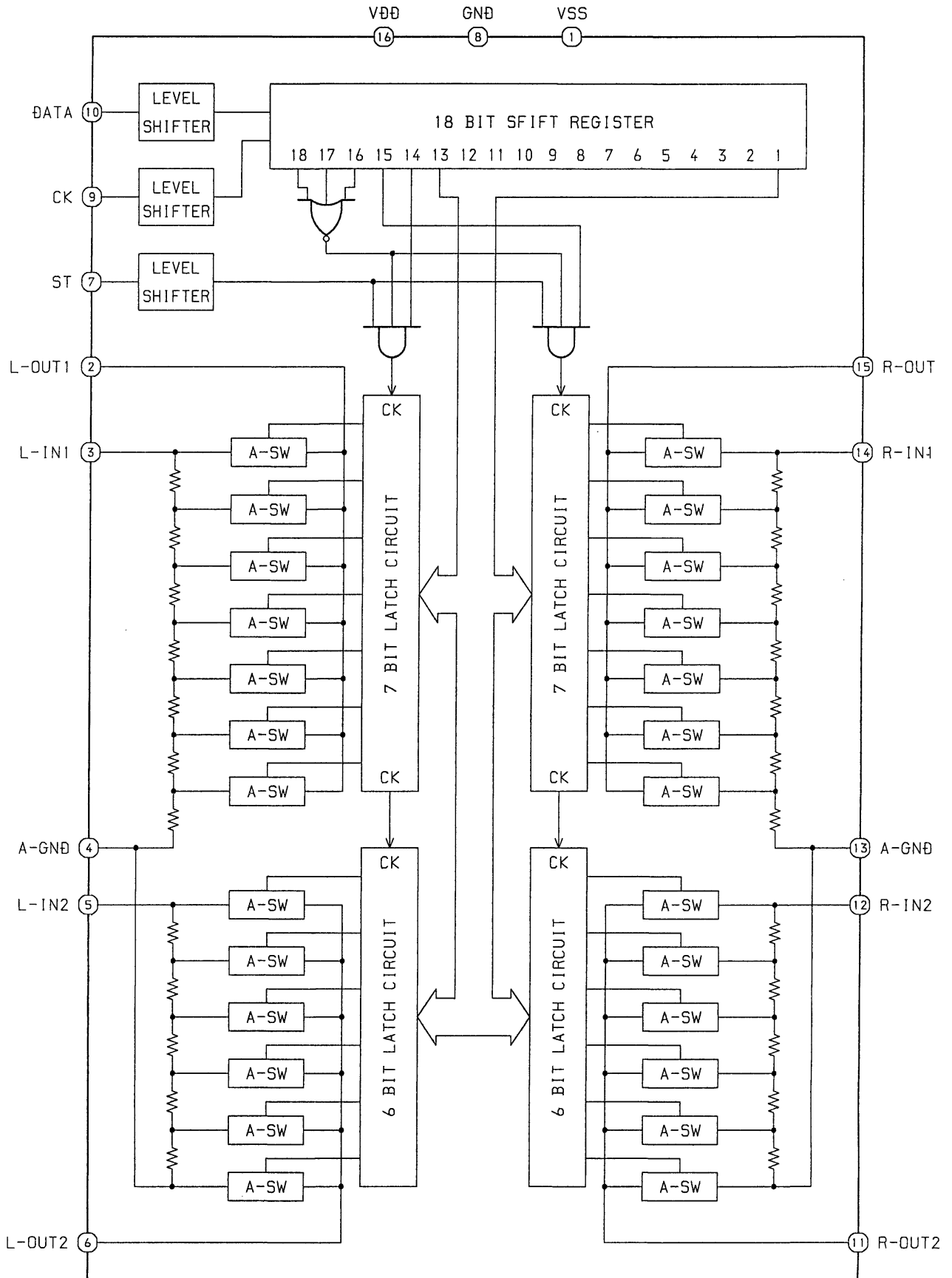
IC, CS5339 - KP



IC, NJU4066BD



IC,TC9154AP



IC DESCRIPTION

IC, SM5840ES

Pin No.	Pin Name	I/O	Description					
1	WSL1	I	Input/output data word length select pin 1.(Connected to + VDD)	Pin level		Noise shaper	Onput/output word length	
				WSL1	WSL2		Input bit no.	Output bit no.
				H	H	OFF	18bit	20bit
				H	L	ON	18bit	18bit
				L	H	ON	16bit	18bit
L	L	ON	16bit	16bit				
2	CKI	I	System clock input.					
3	$\overline{\text{CKSL}}$	I	System clock input (H : 384fs, L : 256fs). (Connected to GND)					
4	CKO	O	System clock output (the CKI clock is buffered and output).					
5	VSS	-	GND.					
6	NC	-	Not connected.					
7	NC	-	Not connected.					
8	WSL2	I	Input/output data word length select pin 2.(Conneted to VDD)					
9	DSF1	I	Deemphasis select pin 1. (Connected to + VDD)	Pin level		Deemphasis		
				DSF1	DSF2	ON/OFF select	fs select	
10	DSF2	I	Deemphasis select pin 2. (Connected to + GND)	L	L	ON	44.1kHz	
				L	H	ON	48.0kHz	
				H	H	ON	32.0kHz	
				H	L	OFF	-	
11	$\overline{\text{RST}}$	I	System reset.					
12	BCKO	O	Output bit clock.					
13	DOR	O	Rch 8fs data output.					
14	DOL	O	Lch 8fs data output.					
15	WCKO	O	Output word clock.					
16	VDD	-	Power pin.					
17	NC	-	Not connected.					
18	NC	-	Not connected.					
19	NC	-	Not connected.					
20	LRCI	I	Input data sample rate (fs) clock.					
21	BCKI	I	Input bit clock.					
22	DIN	I	Input data.					

IC, CXD2701Q

Pin No.	Pin Name	I/O	Description
1	I-MODE	I	Input data format setting terminal. (Connected to VDD)
2	I-DIR	I	
3	I-DATA	I	1-sampling 2-channel serial data input terminal. Data formatted as 2's complement.
4	I-BCK	I	Serial data transmission clock input.

Pin No.	Pin Name	I/O	Description
5	I-LRCK	I	Serial I/O sampling clock input. L channel data transmission when "H", R channel data transmission when "L".
6	VSS1	—	GND.
7	O-DATA	O	Serial data output. (2's complement)
8	O-BCK	O	Bit clock output. 64 slots.
9	O-LRCK	O	Serial data sampling clock output.
10	BS1	I	Output data bit quantity setting terminal. (Connected to VDD)
11	BS2	I	Output data bit quantity setting terminal. (Connected to GND)
12	O-DIR	I	Output data format setting terminal. (Connected to VDD)
13	VSS3	—	GND.
14	SCK	O	System clock output. fsck = fxt = 512fs
15	XOUT	O	X'tal oscillation circuit output. (22.57MHz)
16	XIN	I	X'tal oscillation circuit input. fxt = 512fs (22.57MHz)
17	VDD1	—	Power supply. (+5V)
18	I/O4	I/O	Data input/output for external dynamic RAM.
19	I/O3	I/O	
20	CAS	O	Column address strobe output for external dynamic RAM.
21	I/O2	I/O	Data input/output for external dynamic RAM.
22	I/O1	I/O	
23	$\overline{\text{WE}}$	O	Write enable output for external dynamic RAM. "L" active.
24	A0	O	Address output for external dynamic RAM.
25	RAS	O	Row address strobe for external dynamic RAM.
26	A1	O	Address output for external dynamic RAM.
27	A2	O	
28	VSS2	—	GND.
29 30 31 32 33 34	A3 A4 A5 A6 A7 A8	O	Address output for external dynamic RAM.
35	TEST1	I	Test terminal. (Connected to GND)
36	TEST2	I	
37	TEST3	I	
38	TEST0	O	Test terminal. (Not used)
39	VDD2	—	Power supply. (+5V)
40	PRGD	I	Serial data input to receive commands, coefficients and control signals from microcomputer.
41	PRGCK	I	Serial clock input for PRGD data. Data is latched at the starting edge of the clock.
42	$\overline{\text{PRGL}}$	I	Input to latch serial data from microcomputer in IC. "L" active.
43	$\overline{\text{INIT}}$	I	Initializing input. "L" active. Put in sync again at leading edge.
44	OVF	O	Not used.

IC, CXP81312-333Q

Pin No.	Pin Name	I/O	Description
1 2 3 4 5 6 7 8 9 10 11 12 13 14	NC	O	Not used.
15	I-FADER	I	Connected to GND.
16	I-OVER	I	Not used.
17	I-FS0	I	Connected to GND.

Pin No.	Pin Name	I/O	Description
18	I-FS1	I	Connected to GND.
19	O-CLK2701	O	Clock signal for CXD2701 control.
20	O-DATA2701	O	Serial data for CXD2701 control.
21	NC	O	Not used.
22	O-32K	O	Not used.
23	O-48K	O	Not used.
24	O-44.1K	O	Not used.
25	NC	O	Not used.
26	O-DAT	O	Not used.
27	O-DIG A	O	Not used.
28	O-DIG B	O	Not used.
29	O-K MODE	O	Not used.
30	O-STB2701	O	Strobe signal for CXD2701 control.
31	MP	O	Not used. (connected to GND)
32	RST	I	Reset signal for microcomputer.
33	VSS	—	GND.
34	XTAL	I	X'tal terminal. (4.19MHz)
35	EXTAL	—	
36	CSO	I	Connected to VDD.
37	SIO	I	Connected to VDD.
38	SOO	O	Not used.
39	SCKO	O	Not used.
40	I-STB DSP	I	Strobe signal input from main microcomputer.
41	I-DATA DSP	I	Data input from main microcomputer.
42	VDD	I	Connected to VDD.
43	I-CLK	I	Clock input from main microcomputer.
44	I-BAND	I	Connected to GND.
45 } 51		I	Connected to GND.
52	VSS	—	GND.
53	VREF	—	Connected to VDD.
54	VDD	—	Power supply. (+4.5V)
55 } 62	PG7 } PG0	I	Connected to VDD.
63 } 68		O	Not used.
69	PEI	I	Connected to VDD.
70	PEO	I	Connected to VDD.
71	NMI	I	Connected to VDD.
72	VDD	—	Power supply. (+4.5V)
73	VSS	—	GND.
74 } 80		O	Not used.

IC, PCM69AU

Pin No.	Pin Name	I/O	Description
1	+VCC	—	Power supply. (+5V)
2	V COM (L)	O	V common for L-channel.
3	NC	—	Not used.
4	I-OUT (L)	O	Current output for L-channel.
5	SERVO DC	—	Servo filter. Bypassed via capacitor to GND.
6	REF DC	—	Reference filter. Bypassed via capacitor to GND.
7	I-OUT (R)	O	Current output for R-channel.
8	NC	—	Not used.
9	V COM (R)	O	V common for R-channel.
10	A GND	—	Analog GND.
11	D GND	—	Digital GND.
12	TP2	I	Test terminal 2. (Connected to GND)
13	DATA (R)	I	Data input for R-channel.
14	BCK	I	Bit clock input.
15	SYS-CLK	I	System clock input.
16	WDCK	I	Word clock input.
17	DATA (L)	I	Data input for L-channel.
18	RSRVD	I	Test terminal 3. (Not used)
19	TP1	I	Test terminal 1. (Connected to VDD)
20	+VDD	—	Power supply. (+4.5V)

IC, TMS44C256-10N

Pin No.	Pin Name	I/O	Description
1	I/O1	I/O	Data input/output.
2	I/O2	I/O	
3	WE	—	Write enable output.
4	RAS	—	Row address strobe signal.
5	NC	—	Not used.
6 7 8 9	A0 1 2 A3	I	Address input.
10	VDD	—	Power supply. (+4.5V)
11 12 13 14 15	A4 5 6 A8	I	Address input.
16	OE	—	Output enable signal. (Connected to GND)
17	CAS	—	Column address strobe signal.
18	I/O3	I/O	Data input/output.
19	I/O4	I/O	
20	VSS	—	GND.

IC, CXP2201AS

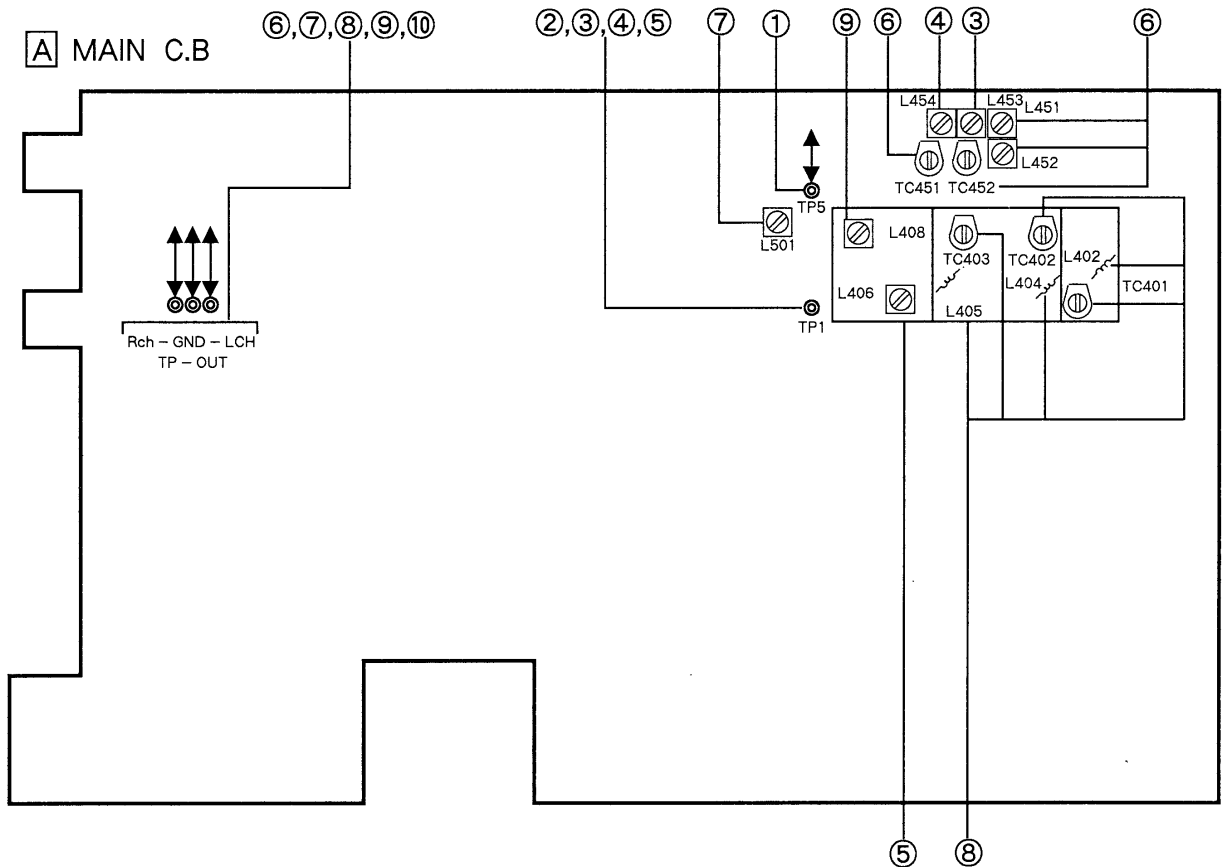
Pin No.	Pin Name	I/O	Description
1	EXT	I	Ceramic connector for system clock oscillator use. When using an external clock, input to EXT, and leave XT open. (3.9MHz)
2	XT	O	
3	VSS	—	Connected to GND.
4~7	K0~K3	I	Key input. (Connected to GND)
8	VDD	—	Power supply. (+5V)
9~23	S15~S1	O	Exclusive segment output. (with built-in pull-down resistor)
24~32	1G~9G	O	Exclusive timing output. (with built-in pull-down resistor)
33	-VFL	—	Load power supply for FDP. (-28V)
34	————	O	Not used.
35, 36	P1, P2	O	Port I/O. (large-current output)
37	KD	O	Not used.
38	FL SI	I	Serial data input. (Not used)
39	DATA	O	Serial data output.
40	CLK	I	Serial data clock input.
41	STB \overline{CS}	I	Chip select input.
42	\overline{RST}	I	Reset. (with built-in pull-up resistor and power-on reset circuit)

IC, CXP82324 - 136Q

Pin No.	Pin Name	I/O	Description
1	I-HOLD	I	The present state is backed up when "L" is input.
2	I-REMOTE	I	Remote control signal input.
3	I-TUNE	I	Frequency display and sending data to PLL are stopped during tuner reception (when "L" is input).
4	O-CLK TU	O	TU PLL clock.
5	O-PLL CE	O	TU PLL chip enable.
6	O-STB DSP	O	DSP chip enable.
7	O-STB VOL R	O	REAR electronic volume clip enable.
8	O-CLK	O	CLK for shift register and DSP.
9	O-STB \overline{CS}	O	TUNER FL driver clip enable.
10	O-DATA	O	Data for shift register, TU and electronic GEQ.
11	I/O-SERIAL	I/O	I/O for FD communication.
12	I-DATA TU	I	Data input from TU PLL.
13	O-STB SR	O	Shift register chip enable.
14	O-Seg $\overline{16}$	O	Segment expand port to light FL.
15	O-Seg $\overline{5}$	O	Segment expand port to light FL.
16	O-Seg $\overline{28}$	O	Segment expand port to light FL.
17	O-Seg $\overline{17}$	O	Segment expand port to light FL.
18	O-Seg $\overline{6}$	O	Segment expand port to light FL.
19	O-Seg $\overline{29}$	O	Segment expand port to light FL.
20	I-INITIAL	I	Input to initially set the micro-computer shipment destination.
21	I-TRAY OPEN	I	CONTROL TRAY OPEN detect switch input. "L" when TRAY OPEN.
22~25	I-KEY 1~4	I	KEY A/D input.
26	O-FS-RESET	O	SPECTRUM ANALYZER IC RESET output.
27	I-SPE	I	SPECTRUM ANALYZER IC OUT input.
28	I-MIC	I	MIC LEVEL input.

Pin No.	Pin Name	I/O	Description
29	O-DATA DSP	O	DSP DATA.
30	I- $\overline{\text{RST}}$	I	RESET input. Reset when "L".
31	EXTAL	O	Oscillation crystal connection pin. (7.68MHz)
32	XTAL	I	Oscillation crystal connection pin. (7.68MHz)
33	GND	—	GND.
34	O-Seg 18	O	Segment output to light FL.
35	O-Seg 7	O	Segment output to light FL.
36	O-Seg 30	O	Segment output to light FL.
37	O-Seg 19	O	Segment output to light FL.
38	O-Seg 8	O	Segment output to light FL.
39	O-Seg 31	O	Segment output to light FL.
40	O-Seg 20	O	Segment output and the initial set D-MATRIX output to light FL.
41	O-Seg 9	O	Segment output and the initial set D-MATRIX output to light FL.
42	O-Seg 32	O	Segment output to light FL.
43	O-Seg 21	O	Segment output to light FL.
44	O-Seg 10	O	Segment output to light FL.
45	O-Seg 33	O	Segment output to light FL.
46	O-Seg 22	O	Segment output to light FL.
47	O-Seg 11	O	Segment output to light FL.
48	O-Seg 27	O	Segment output to light FL.
49	O-Seg 4	O	Segment output to light FL.
50	O-Seg 15	O	Segment output to light FL.
51	O-Seg 26	O	Segment output to light FL.
52	O-Seg 3	O	Segment output to light FL.
53	O-Seg 14	O	Segment output to light FL.
54	O-Seg 25	O	Segment output to light FL.
55	O-Seg 2	O	Segment output to light FL.
56	O-Seg 13	O	Segment output to light FL.
57	O-Seg 24	O	Segment output to light FL.
58	O-Seg 1	O	Segment output to light FL.
59	O-Seg 12	O	Segment output to light FL.
60	O-Seg 23	O	Segment output to light FL.
61~70	Grid 10~1	O	Grid output to light FL.
71	-VFL	I	-VFL input for FL (-28V).
72	VDD	I	+5V micro-computer power supply.
73	NC	I	Connected to VDD.
74	O-DATA VOL	O	REAR electronic volume DATA.
75	I- $\overline{\text{ST/BIL}}$	I	FL stereo bilingual mark lights when "L" is input.
76	O- $\overline{\text{MUTE}}$	O	Muting output.
77	O- $\overline{\text{POWER}}$	O	"L" output during power ON.
78	I-G1	I	Timing-1 input to light FL.
79	I-Grid	I	Timing-2 input to light FL.
80	I- $\overline{\text{TIME B}}$	I	CLK (8Hz) input for clock.

ADJUSTMENT (TUNER)



<TUNER SECTION>

Initialized condition

- GEQ VR : OFF
- BBE SW : OFF
- MIC VR : Minimum
- BALANCE : Center
- MAIN VR : Variable
- DOLBY NR SW : OFF
- T - BASS : OFF

1. Clock Check
 - Settings : • Test point : TP5
 - Method : Set to MW 1602kHz (HE,HR,E,K,Z), 1710kHz (LH) and check so that the test point is 2052kHz \pm 0.05kHz (HE,HR,E,K,Z), 2160kHz \pm 0.05kHz (LH).
2. MW VT Check (HE,LH ONLY)
 - Settings : • Test point : TP1
 - Method : Set to MW 531kHz and check so that the test point is 1.1V \pm 0.2V.
3. MW VT Adjustment (E,K,Z ONLY)
 - Settings : • Test point : TP1
 - Adjustment location : L453
 - Method : Set to MW 531kHz and adjust L453 so that the test point becomes 1.1V \pm 0.05V.
4. LW VT Adjustment (E,K,Z ONLY)
 - Settings : • Test point : TP1
 - Adjustment location : L454
 - Method : Set to LW 144kHz and adjust L454 so that the test point becomes 1.3V \pm 0.05V.
5. FM VT Adjustment
 - Settings : • Test point : TP1
 - Adjustment location : L406
 - Method : Set to FM 108MHz and adjust L406 so that the test point becomes 9.4V \pm 0.05V.
6. MW, LW Tracking Adjustment (E,K,Z ONLY)
 - Settings : • Test point : TP - OUT
 - MW
 - L451..... 603kHz
 - TC451..... 1404kHz
 - LW
 - L452..... 144kHz
 - TC452..... 290kHz

7. AM IF Adjustment

Settings : • Test point : TP – OUT

L501 450kHz

8. FM Tracking Adjustment

Settings : • Test point : TP – OUT

TC401,TC402 108MHz

TC403 108MHz (Z)

L402,L404 87.5MHz

L405 87.5MHz (Z)

9. FM IF Adjustment

Settings : • Test point : TP – OUT

L408 10.7MHz

10. FM Separation Check

Settings : • Test point : TP – OUT

Method : Set to FM 98.0MHz and check the separation at TP – OUT is more than 27dB.

PRACTICAL SERVICE FIGURE (TUNER)

TUNER SECTION

< FM SECTION >

IHF Sensitivity : 4dB ± 4dB (87.5MHz)
8dB ± 4dB (87.5MHz) (Z model)
(THD 3%) 4dB ± 4dB (98.0MHz)
6dB ± 4dB (98.0MHz) (Z model)
4dB ± 4dB (108.0MHz)
6dB ± 4dB (108.0MHz)
(Z model)

S/N 50dB Quieting sensitivity :
36dB ± 5dB
(87.5/98.0/108.0MHz)

(46dB Z MODEL) Less than 44dB
(87.5/90.0/108.0MHz)

Signal to noise ratio : (MONO) More than 78dB
(98.0MHz)
(STEREO) More than 64dB
(98.0MHz)

Distortion : (MONO) Less than 0.6%
(98.0MHz)
(STEREO) Less than 0.8%
(98.0MHz)

Stereo separation : More than 25dB (98.0MHz)
Intermediate frequency : 10.7MHz

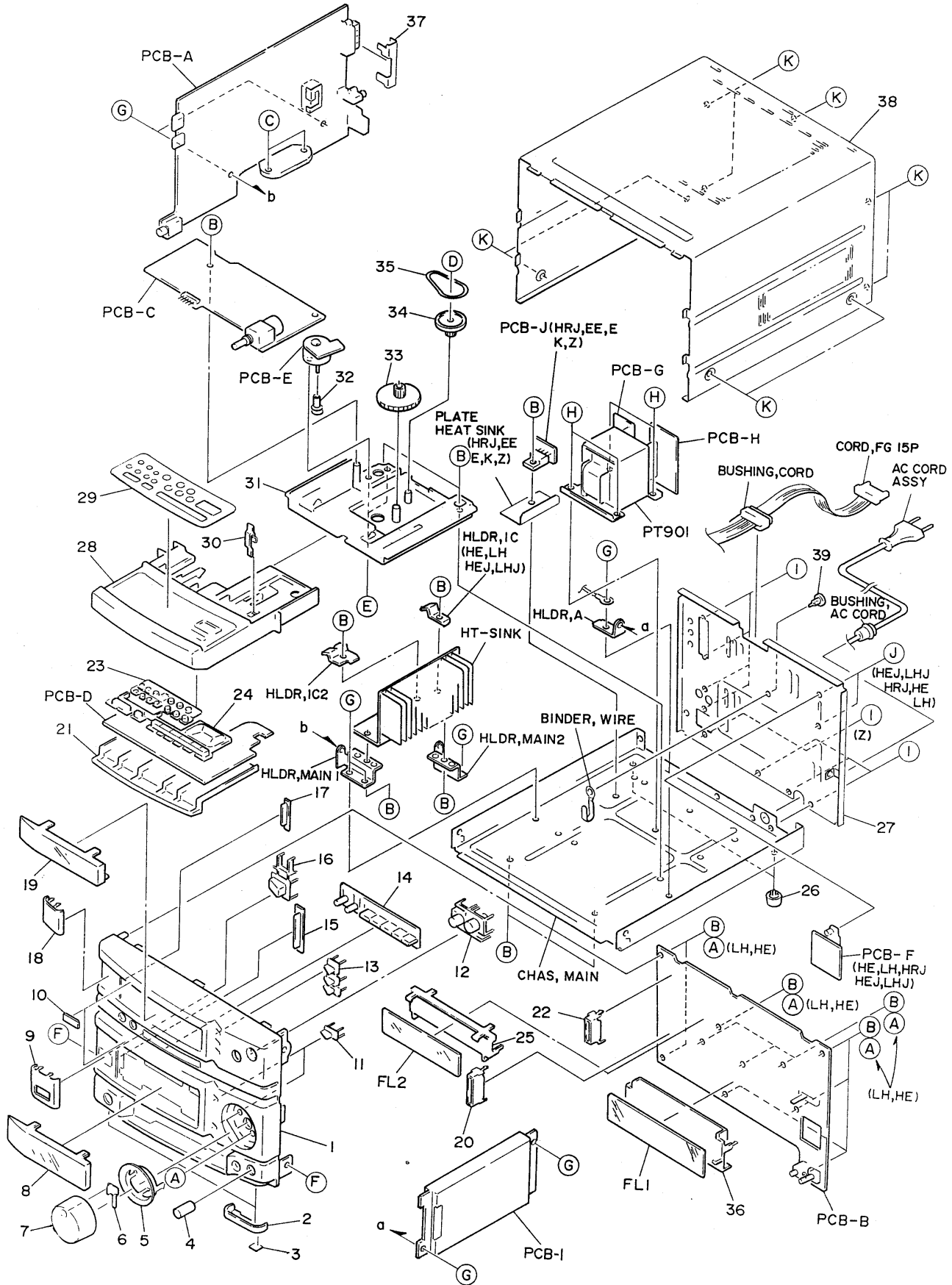
< AM (MW) SECTION >

Sensitivity : 56dB ± 5dB (603kHz)
(S/N 20dB) 53dB ± 5dB (999kHz)
53dB ± 5dB (1404kHz)
Distortion : Less than 1.5% (999kHz)
Stereo separation : More than 25dB (1kHz)
Intermediate frequency : 450kHz

< LW SECTION > (E,K,Z)

Sensitivity : 65dB ± 5dB (144kHz)
(S/N 20dB) 62dB ± 5dB (198kHz)
62dB ± 5dB (290kHz)
Distortion : Less than 1.5% (198kHz)
Intermediate frequency : 450kHz

MECHANICAL EXPLODED VIEW 1/1 (RX - N909)



MECHANICAL PARTS LIST 1/1 (RX - N909)

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-NT1-001-210		CAB, FR (LHJ, K, EE, Z, E, LH)	28	82-NT1-049-010		CAB, TRAY (K, EE, Z, E)
1	82-NT1-002-210		CAB, FR (HE) (HEJ, HRJ, HE)	28	82-NT1-048-010		CAB, TRAY (HEJ, LHJ, HRJ, HE, LH)
2	82-NT1-036-010		RING, FOOT	29	82-NT1-034-110		PLATE, TRAY (EXCEPT HE, LH)
3	80-VT1-202-010		FELT, 12.5-15.5-2	29	82-NT1-034-010		PLATE, TRAY (HE, LH)
4	80-MT3-014-010		KNOB MIC	30	81-MT3-211-010		LEVER, OPEN
5	82-NT1-030-010		RING, VOL	31	82-NT1-203-110		HLDR, TRAY (EXCEPT HE, LH)
6	82-NE6-016-010		IND, MAIN (VOL)	31	82-NT1-203-010		HLDR, TRAY (HE, LH)
7	82-NT1-051-010		KNOB, MAIN	32	89-VW5-206-010		PULLEY MOTOR
8	82-NT1-028-010		WINDOW, AMP	33	82-NT1-204-010		GEAR, LOADING
9	82-NT1-045-010		DUMMY, POWER	34	82-NT1-205-010		PULLEY, LOADING
10	81-MX4-032-010		BADGE, AIWA N	35	80-VW1-217-010		BELT, SQ 1.5
11	82-NT1-037-010		KEY, DSP	36	82-NT1-208-010		GUIDE, FL AMP
12	82-NT1-018-010		KEY, UP/DOWN	37	81-653-648-010		ANT TERM EARTH PAL (K, EE, Z, E)
13	82-NT1-019-010		KEY, TU	37	81-653-638-110		ANT TERM EARTH (HEJ, LHJ, HRJ, HE, LH)
14	82-NT1-020-010		KEY, FUN	38	82-NT1-006-010		CAB, STEEL (HEJ, LHJ, HRJ, HE, LH)
15	82-NT1-026-010		IND, AMP	38	82-NT1-063-010		CAB, STEEL (G) (K, EE, Z, E)
16	82-NT1-015-010		KEY, POWER	39	87-084-077-010		NYLON RIVET 3.5-4.5
17	82-NT1-027-010		IND, TU	A	87-067-703-010		BVT2+3-10 (W/O SLOT)
18	82-NT1-017-010		DUMMY	B	87-067-579-010		BVT2+3-8W/O SLOT
19	82-NT1-029-010		WINDOW, TU	C	87-067-581-010		BVT2+3-15W/O SLOT
20	82-NT1-207-010		GUIDE, LED	D	87-861-095-410		VFT2+3-8 SLOT
21	82-NT1-202-010		PLATE, BOTTOM	E	87-261-073-410		V+2.6-6
22	82-NT1-219-010		GUIDE, LED 2	F	87-591-094-410		QIT+3-6
23	82-NT1-023-110		KEY, GE	G	87-067-688-010		BVTT+3-6
24	82-NT1-022-010		KEY, T-BASS	H	87-078-019-010		S-SCREW, IT+4-6
25	82-NT1-220-010		GUIDE, FL TU	I	87-067-660-010		BVT2+3-8W/O SLOT BLK
26	87-085-213-010		FOOT, H12.5	J	80-VP2-202-010		S-SCREW, VT2 (HEJ, LHJ, HRJ, HE, LH)
27	82-NT1-008-010		PANEL, REAR (HEJBN) (HEJ)	K	87-743-094-410		UT2+3-6 W/O SLOT BLK
27	82-NT1-050-010		PANEL, REAR (HRJBN) (HRJ)				
27	82-NT1-012-010		PANEL, REAR (KBNE) (K)				
27	82-NT1-009-010		PANEL, REAR (LHJBN) (LHJ)				
27	82-NT1-013-010		PANEL, REAR (ZBNE) (Z)				
27	82-NT1-056-010		PANEL, REAR (HEB) (HE)				
27	82-NT1-057-010		PANEL, REAR (LHB) (LH)				
27	82-NT1-011-010		PANRL, REAR (EBNE) (EE, E)				

MODEL NO.

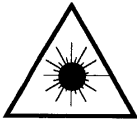
FD-N909

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstråling, som överskrider gränsen för laserklass 1.

CAUTION

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

ATTENTION

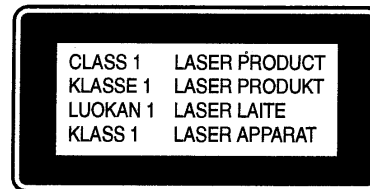
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

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

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

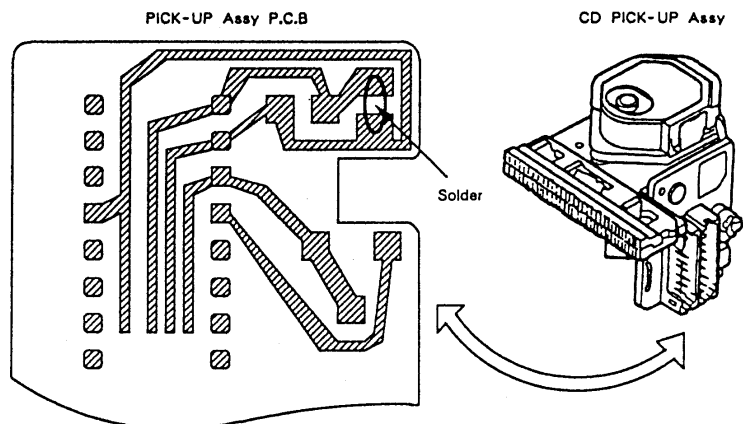
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block (KSS - 210A)

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

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



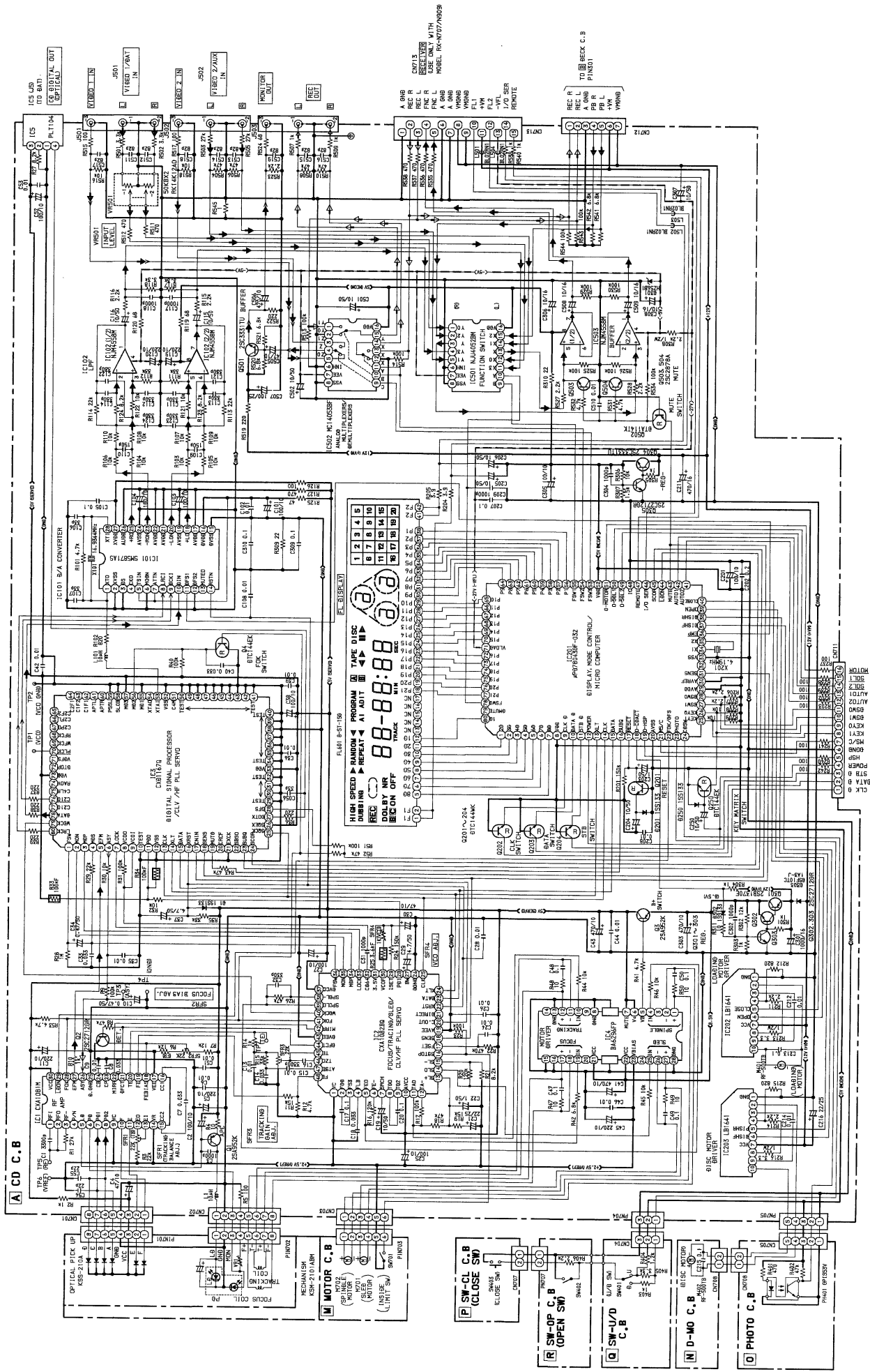
ELECTRICAL MAIN PARTS LIST

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.	カテ NO.	DESCRIPTION	REF. NO	PART NO.	カテ NO.	DESCRIPTION
IC				C21	87-010-382-089		CAP, E 22-25 SME
				C22	87-010-401-089		CAP, E 1-50 SME
	87-020-793-080	IC, CXA-1081M		C24	87-010-197-089		C-CAP, S 0.01-25 B
	87-020-794-110	IC, CXA-1082BQ		C25	87-010-263-089		CAP, E 100-10
	87-001-944-010	IC, CXD-11670		C26	87-010-197-089		C-CAP, S 0.01-25 B
	87-002-639-089	IC, BA6296FA		C27	87-010-263-089		CAP, E 100-10
	87-017-194-010	IC, PLT104		C28	87-010-197-089		C-CAP, S 0.01-25 B
	87-017-022-089	IC, NJM2068M-D(T1)		C29	87-010-404-089		CAP, E 4.7-50 SME
	87-002-881-080	IC, SM5871AS		C30	87-010-374-089		CAP, E 47-10
	87-001-607-089	IC, NJM4558M		C31	87-010-178-089		C-CAP, S 1000P-50 B
	87-001-224-089	IC, NJU4066BM		C32	87-012-157-089		C-CAP, S 330P-50 CH
	82-NV1-625-110	IC, UPD78043GF-032		C33	87-010-193-089		C-CAP, S 0.033-25 F
	87-002-394-019	IC, LB1641		C34	87-010-400-089		CAP, E 0.47-50 SME
	87-017-023-089	IC, NJU4052BM		C35	87-010-197-089		C-CAP, S 0.01-25 B
	87-001-908-019	IC, CXA1332S		C36	87-010-197-089		C-CAP, S 0.01-25 B
	87-002-872-080	IC, MC14053BF		C37	87-010-404-089		CAP, E 4.7-50 SME
	87-020-730-089	IC, TC4069 UBF		C38	87-010-263-089		CAP, E 100-10
	87-002-901-089	IC, BU4094 BF		C39	87-010-197-089		C-CAP, S 0.01-25 B
	87-001-334-010	IC, LB9051A		C40	87-010-193-089		C-CAP, S 0.033-25 F
				C41	87-010-221-089		CAP, E 470-10
TRANSISTOR				C42	87-010-197-089		C-CAP, S 0.01-25 B
	87-026-463-010	TR, 2SA933S		C43	87-010-221-089		CAP, E 470-10
	89-109-521-089	TR, 2SA952K		C44	87-010-197-089		C-CAP, S 0.01-25 B
	89-327-125-089	C-TR, 2SC2712GR		C45	87-010-248-089		CAP, E 220-10 SME
	87-026-210-089	C-TR, DTC144EK T147		C46	87-010-197-089		C-CAP, S 0.01-25 B
	87-026-238-089	C-TR, DTC144WK		C47	87-010-196-089		C-CAP, S 0.1-25 F
	89-113-625-089	C-TR, 2SA1362GR (TAPG)		C48	87-010-196-089		C-CAP, S 0.1-25 F
	89-213-702-019	TR, 2SB1370E		C49	87-010-196-089		C-CAP, S 0.1-25 F
	89-333-317-889	TR, 2SC3331TU		C50	87-010-196-089		C-CAP, S 0.1-25 F
	89-320-011-089	TR, 2SC2001K		C51	87-010-197-089		C-CAP, S 0.01-25 B
	87-026-235-089	C-TR, DTC114EK		C52	87-010-263-089		CAP, E 100-10
	89-503-685-089	C-FET, 2SK368GR		C53	87-010-197-089		C-CAP, S 0.01-25 B
	87-026-233-089	TR, DTA114TK		C54	87-010-314-089		C-CAP, S 22P-50 CH
	89-328-785-089	TR, 2SC2878-A (E2-M)		C55	87-010-314-089		C-CAP, S 22P-50 CH
	87-026-228-089	C-TR, DTA124EK		C56	87-010-316-089		C-CAP, S 33P-50 CH
	89-318-155-089	TR, 2SC1815GR		C101	87-010-263-089		CAP, E 100-10
DIODE				C102	87-010-197-089		C-CAP, S 0.01-25 B
	87-002-564-089	DIODE, 1SS133 RA		C103	87-010-263-089		CAP, E 100-10
	87-020-465-089	DIODE, 1SS133 T-72		C104	87-010-263-089		CAP, E 100-10
	87-017-097-059	ZENER, HZS6B1 RA		C105	87-010-196-089		C-CAP, S 0.1-25 F
	87-002-836-089	DIODE, 1A3-J		C106	87-010-316-089		C-CAP, S 33P-50 CH
	87-017-121-089	ZENER, HZS11A1		C107	87-010-316-089		C-CAP, S 33P-50 CH
	87-020-123-089	DIODE, DS446-AT (TA)		C108	87-010-197-089		C-CAP, S 0.01-25 B
	87-001-290-089	ZENER, HZS6B1L		C109	87-012-154-089		C-CAP, S 150P-50 CH
	87-017-097-089	ZENER, HZS6B1		C110	87-012-154-089		C-CAP, S 150P-50 CH
	87-001-559-089	DIODE, 1SS131 T-72		C111	87-012-157-089		C-CAP, S 330P-50 CH
				C112	87-012-157-089		C-CAP, S 330P-50 CH
				C113	87-012-157-089		C-CAP, S 330P-50 CH
				C114	87-012-157-089		C-CAP, S 330P-50 CH
				C115	87-010-405-089		CAP, E 10-50 SME
CD C. B				C116	87-010-405-089		CAP, E 10-50 SME
C1	87-010-184-089	C-CAP, S 3300P-50 B		C117	87-010-178-089		C-CAP, S 1000P-50 B
C2	87-010-263-089	CAP, E 100-10		C118	87-010-178-089		C-CAP, S 1000P-50 B
C3	87-010-178-089	C-CAP, S 1000P-50 B		C119	87-010-248-089		CAP, E 220-10 SME
C4	87-010-374-089	CAP, E 47-10		C120	87-010-248-089		CAP, E 220-10 SME
C5	87-010-248-089	CAP, E 220-10 SME		C121	87-012-157-089		C-CAP, S 330P-50 CH
C6	87-010-197-089	C-CAP, S 0.01-25 B		C122	87-012-157-089		C-CAP, S 330P-50 CH
C7	87-010-193-089	C-CAP, S 0.033-25 F		C123	87-012-157-089		C-CAP, S 330P-50 CH
C8	87-010-193-089	C-CAP, S 0.033-25 F		C124	87-012-157-089		C-CAP, S 330P-50 CH
C9	87-010-197-089	C-CAP, S 0.01-25 B		C201	87-010-263-089		CAP, E 100-10
C10	87-010-400-089	CAP, E 0.47-50 SME		C202	87-010-196-089		C-CAP, S 0.1-25 F
C11	87-010-248-089	CAP, E 220-10 SME		C203	87-010-401-089		CAP, E 1-50 SME
C13	87-010-197-089	C-CAP, S 0.01-25 B		C204	87-010-405-089		CAP, E 10-50 SME
C14	87-010-193-089	C-CAP, S 0.033-25 F		C205	87-010-405-089		CAP, E 10-50 SME
C15	87-010-197-089	C-CAP, S 0.01-25 B		C206	87-010-405-089		CAP, E 10-50 SME
C16	87-010-184-089	C-CAP, S 3300P-50 B		C207	87-010-196-089		C-CAP, S 0.1-25 F
C17	87-010-196-089	C-CAP, S 0.1-25 F		C208	87-010-197-089		C-CAP, S 0.01-25 B
C18	87-010-193-089	C-CAP, S 0.033-25 F		C209	87-010-178-089		C-CAP, S 1000P-50 B
C19	87-010-405-089	CAP, E 10-50 SME		C211	87-010-235-089		CAP, E 470-16 SME
C20	87-010-196-089	C-CAP, S 0.1-25 F		C212	87-010-197-089		C-CAP, S 0.01-25 B

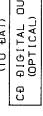
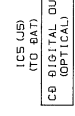
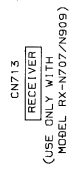
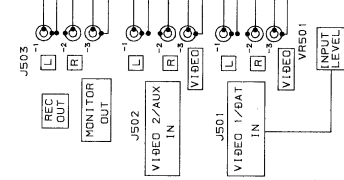
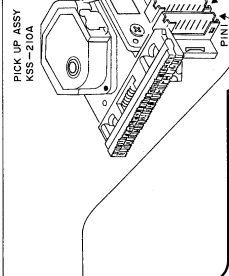
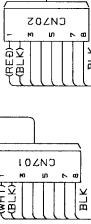
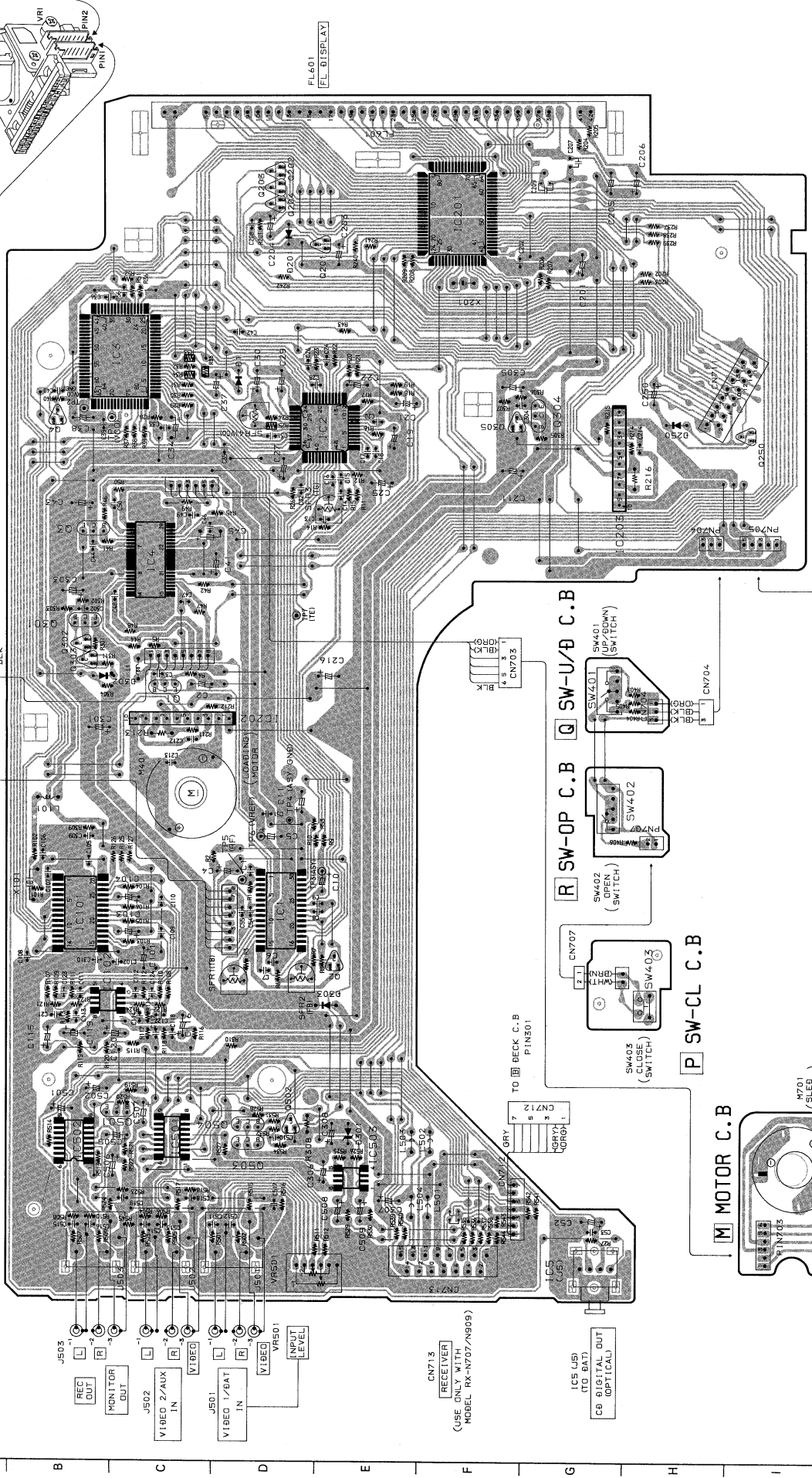
REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C213	87-010-196-089		C-CAP, S 0.1-25 F	C116	87-010-197-089		C-CAP, S 0.01-25 B
C214	87-010-197-089		C-CAP, S 0.01-25 B	C117	87-015-819-089		C-CAP, S 0.01-25 B
C216	87-010-382-089		CAP, E 22-25 SME	C201	87-012-158-089		C-CAP, S 390P-50 CH
C250	87-010-405-089		CAP, E 10-50 SME	C202	87-012-158-089		C-CAP, S 390P-50 CH
C301	87-010-237-089		CAP, E 1000-16	C203	87-010-318-089		C-CAP, S 47P-50 CH
C302	87-010-178-089		C-CAP, S 1000P-50 B	C204	87-010-318-089		C-CAP, S 47P-50 CH
C303	87-010-221-089		CAP, E 470-10	C205	87-010-426-089		C-CAP, S 0.012-25 B
C304	87-010-178-089		C-CAP, S 1000P-50 B	C206	87-010-426-089		C-CAP, S 0.012-25 B
C305	87-010-263-089		CAP, E 100-10	C207	87-012-156-089		C-CAP, S 220P CH
C306	87-010-075-089		CAP, E 10-16 5L	C208	87-012-156-089		C-CAP, S 220P CH
C307	87-010-405-089		CAP, E 10-50 SME	C211	87-010-404-089		CAP, E 4.7-50 SME
C308	87-010-075-089		CAP, E 10-16 5L	C212	87-010-404-089		CAP, E 4.7-50 SME
C309	87-010-196-089		C-CAP, S 0.1-25 F	C213	87-010-101-089		CAP, E 220-16 SME
C310	87-010-196-089		C-CAP, S 0.1-25 F	C214	87-010-197-089		C-CAP, S 0.01-25 B
C501	87-010-405-089		CAP, E 10-50 SME	C215	87-010-197-089		C-CAP, S 0.01-25 B
C502	87-010-405-089		CAP, E 10-50 SME	C301	87-010-322-089		C-CAP, S 100P-50 CH
C503	87-010-404-089		CAP, E 4.7-50 SME	C302	87-010-322-089		C-CAP, S 100P-50 CH
C504	87-010-404-089		CAP, E 4.7-50 SME	C303	87-010-183-089		C-CAP, S 2700P-50 B
C505	87-010-374-089		CAP, E 47-10	C304	87-010-183-089		C-CAP, S 2700P-50 B
C506	87-010-221-089		CAP, E 470-10	C305	87-010-404-089		CAP, E 4.7-50 SME
C507	87-010-384-089		CAP, E 100-25 SME	C306	87-010-404-089		CAP, E 4.7-50 SME
C508	87-010-075-089		CAP, E 10-16 5L	C323	87-012-157-089		C-CAP, S 330P-50 CH
C509	87-010-075-089		CAP, E 10-16 5L	C324	87-012-157-089		C-CAP, S 330P-50 CH
C510	87-010-197-089		C-CAP, S 0.01-25 B	C401	87-012-156-089		C-CAP, S 220P CH
C511	87-010-321-089		C-CAP, S 82P-50 CH	C402	87-012-156-089		C-CAP, S 220P CH
C512	87-010-321-089		C-CAP, S 82P-50 CH	C403	87-014-071-089		CAP, PP 3900P-100 J
C513	87-010-321-089		C-CAP, S 82P-50 CH	C405	87-010-263-089		CAP, E 100-10
C514	87-010-321-089		C-CAP, S 82P-50 CH	C409	87-010-402-089		CAP, E 2.2-50 SME
C515	87-010-321-089		C-CAP, S 82P-50 CH	C410	87-010-405-089		CAP, E 10-50 SME
C516	87-010-321-089		C-CAP, S 82P-50 CH	C451	87-010-178-089		C-CAP, S 1000P-50 B
C517	87-010-321-089		C-CAP, S 82P-50 CH	C453	87-010-322-089		C-CAP, S 100P-50 CH
C518	87-010-321-089		C-CAP, S 82P-50 CH	C454	87-010-322-089		C-CAP, S 100P-50 CH
C519	87-010-321-089		C-CAP, S 82P-50 CH	C455	87-010-197-089		C-CAP, S 0.01-25 B
FL601	82-NV1-626-019		FL, 8-ST-15G	C456	87-010-197-089		C-CAP, S 0.01-25 B
J501	81-VP1-634-019		JACK, PIN 3P	C501	87-012-158-089		C-CAP, S 390P-50 CH
J502	81-VP1-634-019		JACK, PIN 3P	C502	87-012-158-089		C-CAP, S 390P-50 CH
J503	81-VP1-635-019		JACK, PIN 3P EARTH	C503	87-010-182-089		C-CAP, S 2200P-50 B
L1	87-003-295-089		COIL, 10UH	C504	87-010-182-089		C-CAP, S 2200P-50 B
L101	87-003-295-089		COIL, 10UH	C505	87-010-404-089		CAP, E 4.7-50 SME
L501	87-008-474-089		F-BEAD, EMI BLO2RN1	C506	87-010-404-089		CAP, E 4.7-50 SME
L502	87-008-474-089		F-BEAD, EMI BLO2RN1	C507	87-010-182-089		C-CAP, S 2200P-50 B
L503	87-008-474-089		F-BEAD, EMI BLO2RN1	C508	87-010-182-089		C-CAP, S 2200P-50 B
L504	87-008-474-089		F-BEAD, EMI BLO2RN1	C509	87-010-182-089		C-CAP, S 2200P-50 B
M401	87-045-305-019		MOTOR, RF-500TB	C510	87-010-182-089		C-CAP, S 2200P-50 B
R25	87-022-396-089		C-RES, S 3.6K-1/10WF	C511	87-010-825-089		CAP, E 0.56/50V, SME
R33	87-022-214-089		C-RES, S 100K-1/10WF	C512	87-010-825-089		CAP, E 0.56/50V, SME
R34	87-022-214-089		C-RES, S 100K-1/10WF	C513	87-010-546-089		CAP, E 0.33-50 SME
SFR1	87-024-173-089		SFR, 22K DIA6 V	C514	87-010-546-089		CAP, E 0.33-50 SME
SFR2	87-024-173-089		SFR, 22K DIA6 V	C515	87-010-404-089		CAP, E 4.7-50 SME
SFR3	87-024-173-089		SFR, 22K DIA6 V	C516	87-010-404-089		CAP, E 4.7-50 SME
SFR4	87-024-168-089		SFR, 1K DIA6 V	C517	87-010-371-089		CAP, E 470-6.3
VR501	81-MX4-636-019		VR, 50KBX2 RK14K12AO	C518	87-010-101-089		CAP, E 220-16 SME
X101	87-030-270-089		VIB, XTAL 16.9344MHZ	C519	87-010-404-089		CAP, E 4.7-50 SME
X201	87-008-394-089		CF CST 4.19 MGW	C520	87-010-404-089		CAP, E 4.7-50 SME
				C521	87-010-179-089		C-CAP, S 1200P-50 B
DECK C. B				C522	87-010-179-089		C-CAP, S 1200P-50 B
C101	87-012-158-089		C-CAP, S 390P-50 CH	C523	87-010-382-089		CAP, E 22-25 SME
C102	87-012-158-089		C-CAP, S 390P-50 CH	C601	87-010-178-089		C-CAP, S 1000P-50 B
C103	87-010-318-089		C-CAP, S 47P-50 CH	C602	87-010-186-089		C-CAP, S 4700P-50 B
C104	87-010-318-089		C-CAP, S 47P-50 CH	C603	87-010-149-089		C-CAP, S 5P-50 CH
C105	87-010-426-089		C-CAP, S 0.012-25 B	C604	87-010-182-089		C-CAP, S 2200P-50 B
C106	87-010-426-089		C-CAP, S 0.012-25 B	C605	87-010-149-089		C-CAP, S 5P-50 CH
C109	87-012-154-089		C-CAP, S 150P-50 CH	C606	87-012-154-089		C-CAP, S 150P-50 CH
C110	87-012-154-089		C-CAP, S 150P-50 CH	C607	87-010-400-089		CAP, E 0.47-50 SME
C111	87-010-404-089		CAP, E 4.7-50 SME	C608	87-010-382-089		CAP, E 22-25 SME
C112	87-010-404-089		CAP, E 4.7-50 SME	C609	87-010-374-089		CAP, E 47-10
C113	87-010-404-089		CAP, E 4.7-50 SME	C801	87-010-404-089		CAP, E 4.7-50 SME
C114	87-010-404-089		CAP, E 4.7-50 SME	C802	87-010-381-089		CAP, E 330-16 SME
C115	87-010-101-089		CAP, E 220-16 SME	C803	87-010-101-089		CAP, E 220-16 SME
				C804	87-010-237-089		CAP, E 1000-16

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C805	87-010-198-089		C-CAP, S 0.022-25 B	D608	87-017-369-080		LED, SEL 2510C TP-6
C902	87-010-405-089		CAP, E 10-50 SME	D609	87-017-369-080		LED, SEL 2510C TP-6
L301	87-005-525-089		COIL, 22MH-J	D610	87-017-369-080		LED, SEL 2510C TP-6
L302	87-005-525-089		COIL, 22MH-J	D611	87-017-369-080		LED, SEL 2510C TP-6
L303	87-003-131-089		COIL, 10MH J	SW512	87-036-215-089		SW, TACT EVQ21404M
L304	87-003-131-089		COIL, 10MH J	SW513	87-036-215-089		SW, TACT EVQ21404M
L305	87-003-123-089		COIL, 2.2MH J	SW514	87-036-215-089		SW, TACT EVQ21404M
L306	87-003-123-089		COIL, 2.2MH J	SW515	87-036-215-089		SW, TACT EVQ21404M
L401	80-VW1-605-119		COIL, OSC BIAS 108K	SW516	87-036-215-089		SW, TACT EVQ21404M
L801	87-005-474-089		COIL, 12UH J FLR50	SW517	87-036-215-089		SW, TACT EVQ21404M
PIN301	87-009-035-019		CONN, 7P PH V	KEY-3 C. B			
PIN501	87-009-038-019		CONN, 10P PH	SW518	87-036-215-089		SW, TACT EVQ21404M
R913	87-025-470-089		RES, NF3, 3-1/4W J	SW519	87-036-215-089		SW, TACT EVQ21404M
SFR101	87-024-349-089		SFR, 1K DIA6 H	SW520	87-036-215-089		SW, TACT EVQ21404M
SFR102	87-024-349-089		SFR, 1K DIA6 H	SW521	87-036-215-089		SW, TACT EVQ21404M
SFR201	87-024-349-089		SFR, 1K DIA6 H	SW522	87-036-215-089		SW, TACT EVQ21404M
SFR202	87-024-349-089		SFR, 1K DIA6 H	LED-1 C. B			
SFR301	87-024-352-089		SFR, 4.7K DIA6 H	D615	87-017-369-080		LED, SEL 2510C TP-6
SFR302	87-024-352-089		SFR, 4.7K DIA6 H	D616	87-017-369-080		LED, SEL 2510C TP-6
SFR401	87-024-356-089		SFR, 47K DIA6 H	LED-2 C. B			
SFR402	87-024-356-089		SFR, 47K DIA6 H	D617	87-017-369-080		LED, SEL 2510C TP-6
KEY-1 C. B				D618	87-017-369-080		LED, SEL 2510C TP-6
D601	87-001-123-089		LED, SLZ 981C-02TI	LED-3 C. B			
D602	87-017-369-080		LED, SEL 2510C TP-6	D612	87-017-369-080		LED, SEL 2510C TP-6
D603	87-017-369-080		LED, SEL 2510C TP-6	D613	87-017-369-080		LED, SEL 2510C TP-6
D604	87-017-369-080		LED, SEL 2510C TP-6	D614	87-017-369-080		LED, SEL 2510C TP-6
D605	87-017-369-080		LED, SEL 2510C TP-6	MOTOR C. B			
D606	87-017-369-080		LED, SEL 2510C TP-6	PIN703	91-564-722-110		CONNECTOR 6P
D607	87-017-369-080		LED, SEL 2510C TP-6	M701	9X-262-513-210		SLED MOTOR ASSY
SW501	87-036-215-089		SW, TACT EVQ21404M	M702	9X-262-513-310		T. T CHASSIS ASSY W/MOTOR
SW502	87-036-215-089		SW, TACT EVQ21404M	SW701	91-572-085-110		LEAF SW
SW503	87-036-215-089		SW, TACT EVQ21404M	D-MO C. B			
SW504	87-036-215-089		SW, TACT EVQ21404M	C215	87-010-196-089		C-CAP, S 0.1-25 F
SW505	87-036-215-089		SW, TACT EVQ21404M	M402	87-045-305-019		MOTOR, RF-500TB
SW506	87-036-215-089		SW, TACT EVQ21404M	PHOTO C. B			
SW507	87-036-215-089		SW, TACT EVQ21404M	PH401	87-026-573-010		P-SNSR GP1S53V (*)
SW508	87-036-215-089		SW, TACT EVQ21404M	SW-CL C. B			
SW509	87-036-215-089		SW, TACT EVQ21404M	SW403	87-036-109-019		SW, PUSH SPPB 61
SW510	87-036-215-089		SW, TACT EVQ21404M	SW U/D C. B			
SW511	87-036-215-089		SW, TACT EVQ21404M	SW401	87-036-271-019		SW, LVR 1-2-2 (*)
DECK-1 C. B				SW OP C. B			
PIN901	87-009-350-019		CONN, 7P PH H	SW402	87-036-271-019		SW, LVR 1-2-2 (*)
SOL1	82-ZM1-618-010		SOL ASSY, 27	MISCELLANEOUS			
SW4	87-036-110-010		SW, PUSH SPPB 62	PH	98-848-127-110		PICK UP KSS-210A
SW5	87-036-110-010		SW, PUSH SPPB 62	RPH	87-046-355-010		HEAD, PH HADKH2529B (D1)
SW6	87-036-110-010		SW, PUSH SPPB 62	W711	87-046-356-010		HEAD, RPH HADKH5581B (D2)
DECK-2 C. B					82-NV1-619-019		CABLE, FFC16P-1.25
M1	87-045-348-010		MOT, SHW 2L 70	RELAY-1 C. B			
PIN902	87-009-353-019		CONN, 10P PH H WHT	RELAY-2 C. B			
SFR1	87-024-170-080		SFR, 3.3K DIA 6V	KEY-2 C. B			
SOL1	82-ZM1-618-010		SOL ASSY, 27				
SW1	87-036-110-010		SW, PUSH SPBB 62				
SW2	87-036-110-010		SW, PUSH SPBB 62				
SW3	87-036-110-010		SW, PUSH SPBB 62				
SW4	87-036-110-010		SW, PUSH SPBB 62				
SW5	87-036-110-010		SW, PUSH SPBB 62				

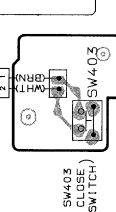
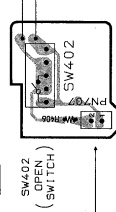
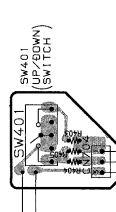


1 2 3 4 5 6 7 8 9 10 11 12 13 14

A C-D C.B



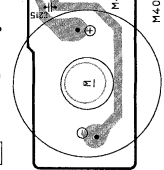
R SW-OP C.B



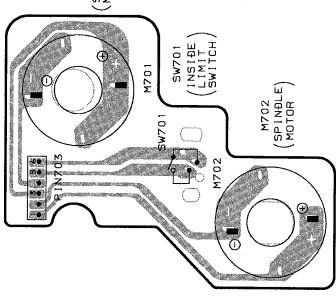
P SW-CL C.B



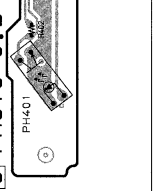
N Ø-MØ C.B

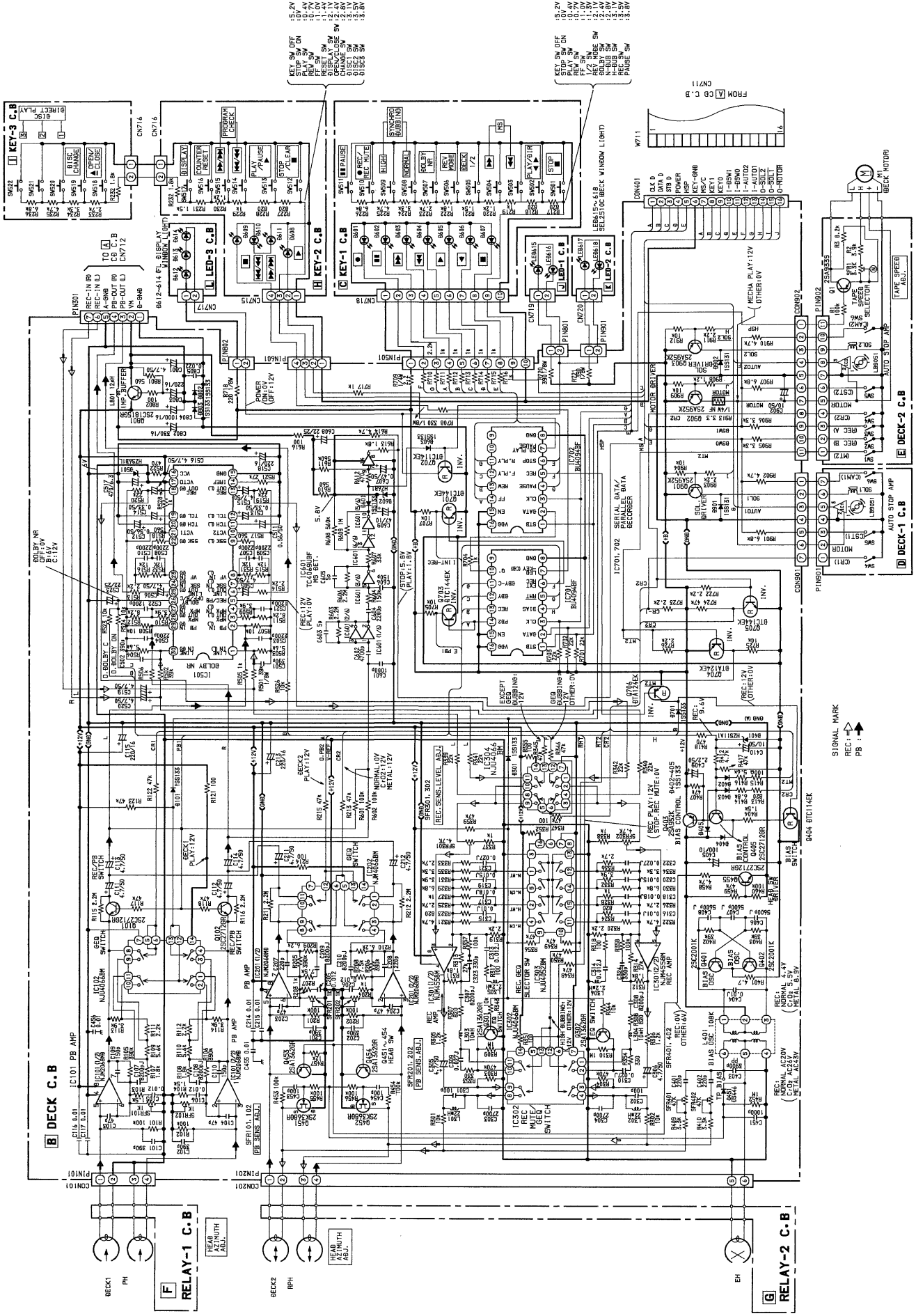


M MOTOR C.B

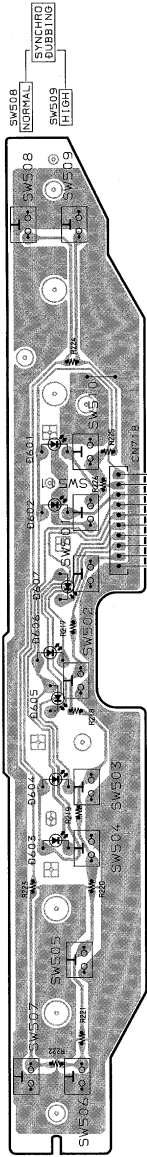


Q PHOTO C.B

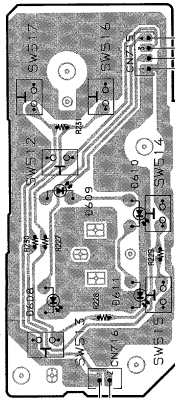




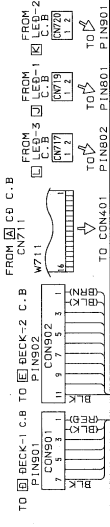
C KEY-1 C.B.



H KEY-2 C.B.



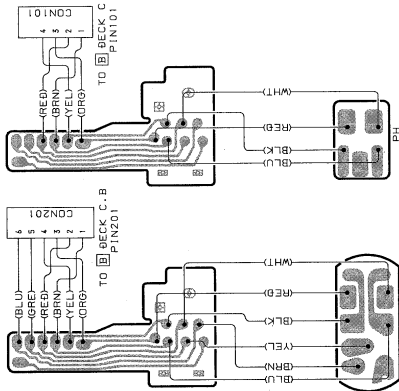
I KEY-3 C.B.



D DECK-1 C.B.

E DECK-2 C.B.

G RELAY-2 C.B. F RELAY-1 C.B.



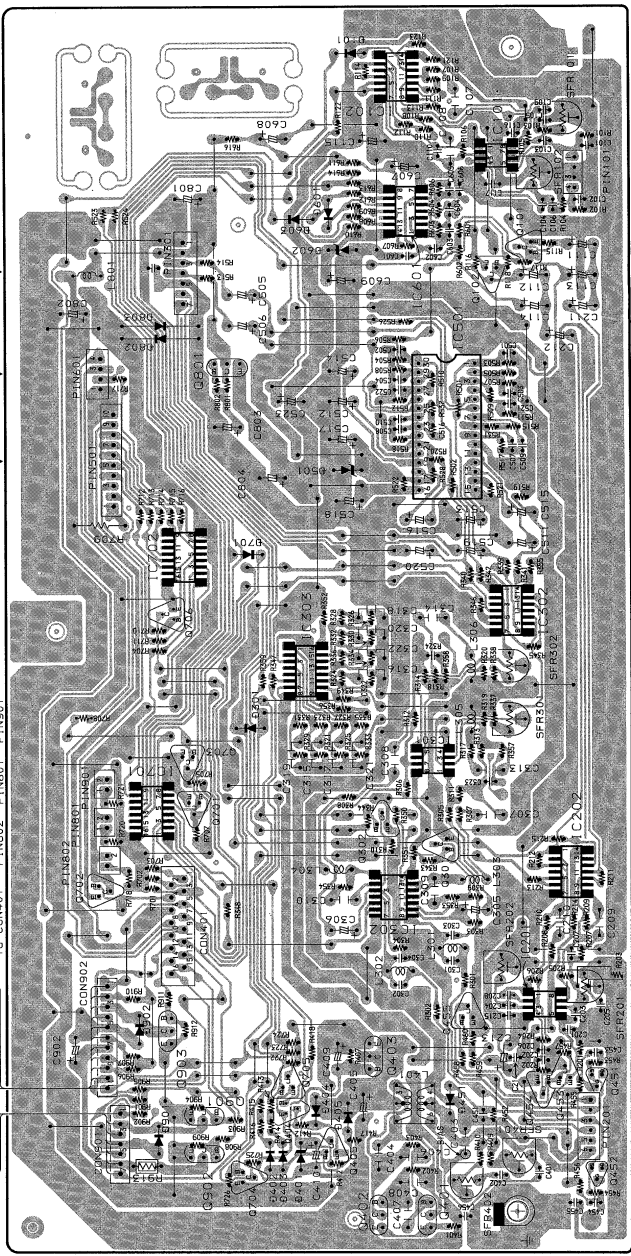
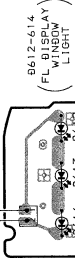
J LED-1 C.B.



K LED-2 C.B.



L LED-3 C.B.

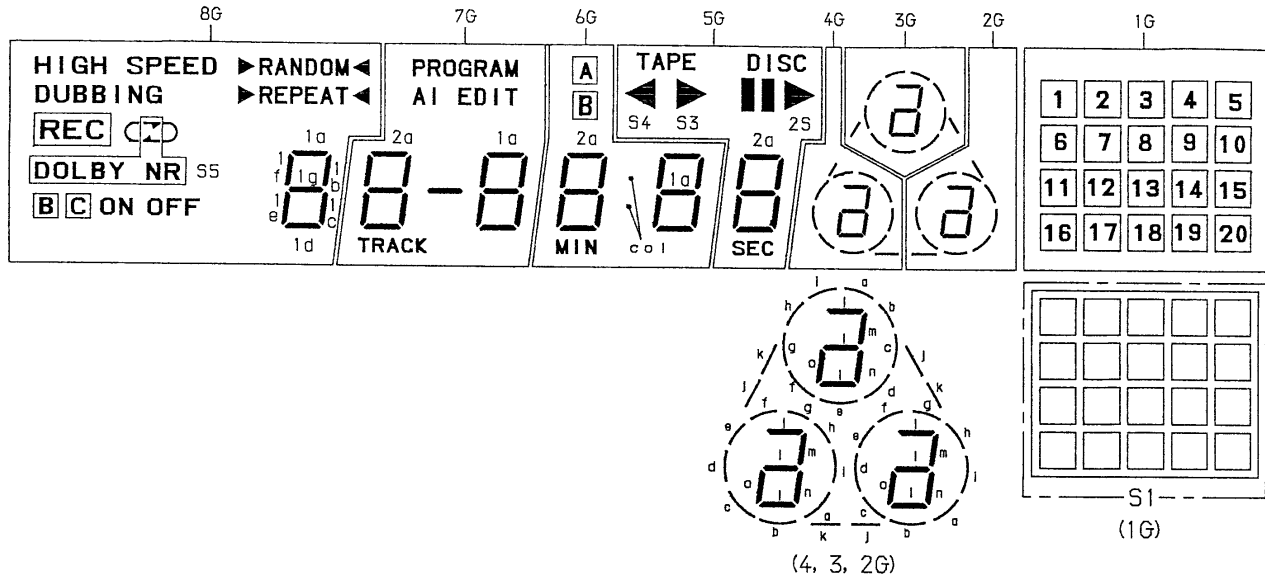


B DECK C.B.

FL (DISPLAY)

FL, 8 – ST – 15G

GRID ASSIGNMENT



ANODE CONNECTION

	8G	7G	6G	5G	4G	3G	2G	1G
P1	1a	1a	1a	TAPE	j	k	k	1
P2	1b	1b	1b	DISC	f	g	g	2
P3	1c	1c	1c	▬▬▬	l	o	m	5
P4	1d	1d	1d	—	m	m	l	7
P5	1e	1e	1e	S2	o	l	n	6
P6	1f	1f	1f	S4	e	h	h	3
P7	1g	1g	1g	S3	g	f	f	4
P8	▷(RANDOM)◀	—	c o l	—	n	n	o	8
P9	RANDOM	2a	2a	2a	d	i	e	9
P10	▷(REPEAT)◀	2b	2b	2b	c	a	i	10
P11	DUBBING	2c	2c	2c	i	c	b	13
P12)	2d	2d	2d	k	d	j	15
P13	REC	2e	2e	2e	a	e	a	14
P14	REPEAT	2f	2f	2f	h	b	d	11
P15	HIGH SPEED	2g	2g	2g	b	j	c	12
P16	C	TRACK	MIN	SEC	—	—	—	16
P17	S5	AI	B	—	—	—	—	17
P18	OFF	EDIT	A	—	—	—	—	18
P19	ON	PROGRAM	—	—	—	—	—	19
P20	C	—	—	—	—	—	—	20
P21	B	—	—	—	—	—	—	S1

IC DESCRIPTION (FD – N909)

IC, μ PD78043GF – 032

Pin No.	Pin Name	I/O	Description
1~7	2G~8G	O	Digit output for FL display.
8	VDD	—	+5V power supply.
9	CLK D	O	Serial data output to control the output port expansion IC (4094).
10	DATA D		
11	STB D		
12	POWER	O	"H" during POWER ON of the unit.
13	XLT	O	Serial data output to control the signal processing IC for CD.
14	CLK		
15	DATA		
16	SUBQ	I	Sub-code Q input.
17	RESET	I	System reset input.
18	O-CDACT	O	Output to control the power of CD circuit. "L" during CD function. Open-drain.
19	O-HSP	O	High speed control output to DECK. "H" during high speed dubbing. Open-drain.
20	AVSS	—	GND for A/D converter input.
21	MS/C	AD I	A/D input of MS signal.
22	FOK/GFS	AD I	A/D input of the focus OK signal and frame sync lock state display signal from CD.
23	PHOTO	AD I	Mechanism-3 disc table position detect photo sensor signal input from CD.
24	CDSW	AD I	A/D input of mechanism tray and base unit position detect switches from CD.
25	KEY1	AD I	A/D input of the key data from CD.
26	KEY0	AD I	A/D input of key data from DECK.
27	DSW1	AD I	A/D input of mechanism status detect switch from DECK.
28	DSW0	AD I	A/D input of mechanism status detect switch from DECK.
29	AVDD	—	Analog power supply to A/D converter (+5V).
30	AVREF	I	Reference voltage input to A/D converter (connected to +5V).
31	SENS	I	Internal state of CD signal processing IC.
32	—	—	—
33	VSS	—	GND.
34	X1	I	4.19MHz clock oscillator input.
35	X2	—	4.19MHz clock oscillator input.
36	EMP	O	De-emphasis control output for CD output signal. "L" when ON.
37	DISH F	O	Mechanism-3 disc table drive control output to IC203. "H" during forward rotation.
38	DISH R	O	Mechanism-3 disc table drive control output to IC203. "H" during reverse rotation.
39	OPEN	O	Mechanism tray drive control output to IC202. "H" during open.
40	CLOSE	O	Mechanism tray drive control output to IC202. "H" during close.
41	AUTO2	I	Mechanism reel table rotation detect signal input from DECK 2.
42	AUTO1	I	Mechanism reel table rotation detect signal input from DECK 1.
43	MUTE	O	Output signal to mute the signal output. "H" during muting.
44	LDON	O	Output signal which controls ON/OFF of CD pickup laser diode. "L" when ON.
45	SCOR	I	CD sub-code sync S0 + SI input.
46	I/O SER	I/O	Serial data input/output to and from RX.
47	REMOTE	I	Remote control unit received signal input from RX.
48	IC	—	Internal connection (connected to GND).
49	O-SOL2	O	Mechanism solenoid drive control output to DECK 2. "L" when ON. Open drain.
50	O-SOL1	O	Mechanism solenoid drive control output to DECK 1. "L" when ON. Open drain.
51	O-MOTOR	O	Mechanism main motor drive control output to DECKs. "L" when ON. Open drain.
52	VDD	—	+5V power supply.
53	FSW3	O	Function selector control output (video select).
54	FSW2	O	Function selector control output (REC MUTE).
55	FSW1	O	Function selector control output (Function B).
56~70	P1~15	O	Segment output for FL display.
71	VLOAD	—	-27V power supply for FL pull-down.
72~77	P16~21	O	Segment output for FL display.
78	FSW0	O	Function selector control output (Function A).
79	GMUTE	O	Output signal to mute graphic of CDG. "H" during muting (Not used).
80	1G	O	Digit output for FL display.

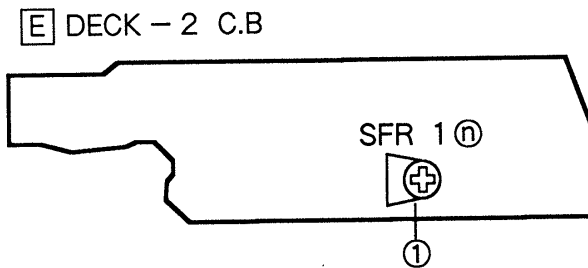
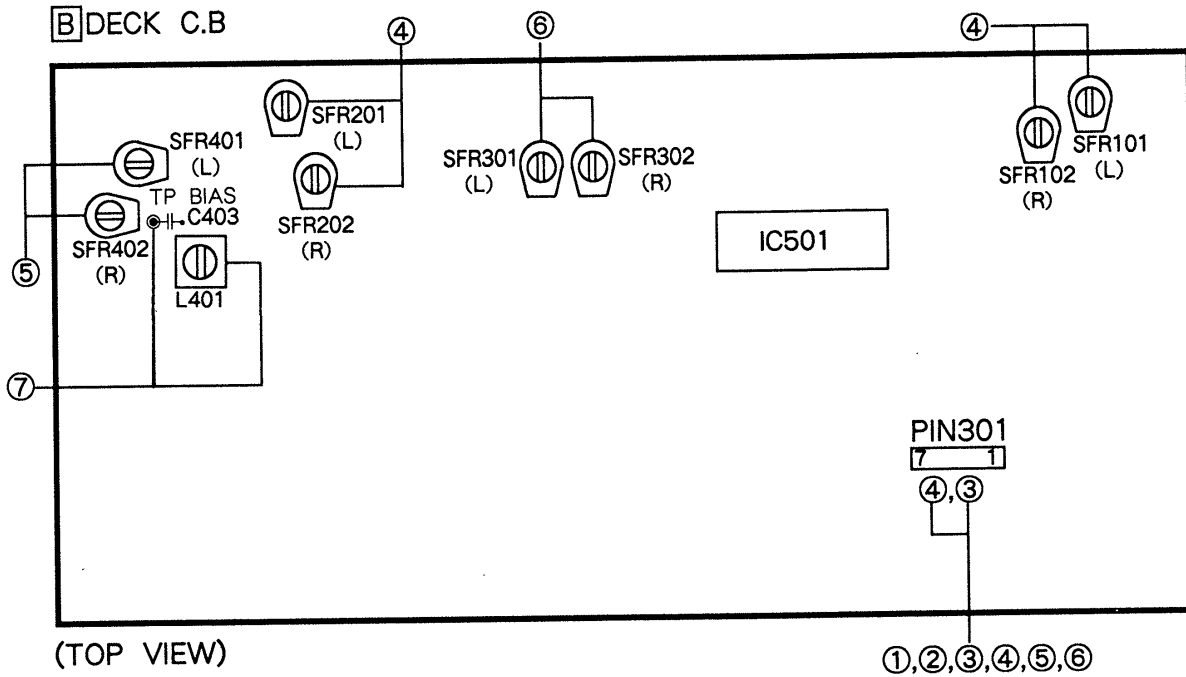
See the NSX – D55 (FD – N55) for the IC description below.

	FD – N707/N909	NSX – D55 (FD – N55)
①	IC,CXD1167Q	IC,CXD1167Q
②	IC,CXA1081M	IC,CXA1081S
③	IC,CXA1082BQ	IC,CXA1082S
④	IC,SM5871AS	IC,SM5870BS

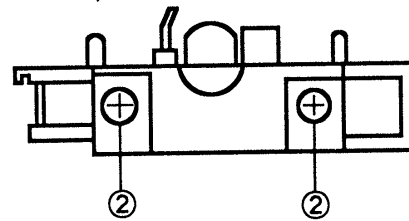
See the NSX – D55 (FD – N55) for the IC Block Diagram below.

	FD – N707/N909	NSX – D55 (FD – N55)
①	IC,BA6296FA	IC,BA6296FP
②	IC,CXA1332S	IC,CXA1332S
③	IC,BU4094BF	IC,BU4094B
④	IC,LB1641	IC,LB1641

ADJUSTMENT (DECK)



DECK 1P, DECK 2R/P/E HEAD



1. Tape Speed Adjustment

- Settings : • Test tape : TTA-100
 • Test point : TP CONN 7P (PIN301) ③,④
 • Adjustment location : SFR 1 ①

Method : Play back the test tape (II DECK) and adjust SFR 1 ① so that the frequency counter reads $3000\text{Hz} \pm 5\text{Hz}$.

2. Head Azimuth Adjustment

- Settings : • Test tape : TTA-310
 • Test point : TP CONN 7P (PIN301) ③,④
 • Adjustment location : Head azimuth adjustment screw

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

3. PB Frequency Response Check

- Settings : • Test tape : TTA-310
 • Test point : TP CONN 7P (PIN301) ③,④

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

4. PB Sensitivity Adjustment

- Settings : • Test tape : TTA-200
 • Test point : TP CONN 7P (PIN301) ③,④ (load $47\text{K}\Omega$)
 • Adjustment location :
 (I DECK) SFR101 (Lch)
 SFR102 (Rch)
 (II DECK) SFR201 (Lch)
 SFR202 (Rch)

Method : Play back the test tape and adjust SFRs so that the output level of the test point is $280\text{mV} \pm 0.3\text{dB}$.

5. REC/PB Frequency Response Adjustment

- Settings : • Test tape : TTA-601
 • Test point : TP CONN 7P (PIN301) ③,④
 • Input signal : 1kHz/10kHz (LINE IN)
 • Adjustment location : SFR401 (Lch)
 SFR402 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP CONN 7P (PIN301) ③,④ is 28mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output

of the 10kHz signal is $+0.5\text{dB} \pm 0.5\text{dB}$ with respect to that of the 1kHz signal.

6. REC/PB Sensitivity Adjustment

Settings : • Test tape : TTA-601
(TTA - 600)

- Test point : TP CONN 7P (PIN301) ③,④
- Input signal : 400Hz (LINE IN)
- Adjustment location : SFR301 (Lch)
SFR302 (Rch)

Method : Apply a 400Hz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP CONN 7P (PIN301) ③,④ is 28mV.

Record and play back the 400Hz signal and adjust SFRs so that the output is 28mV $\pm 0.5\text{dB}$.

7. Bias OSC Frequency Adjustment

Settings : • Test tape : TTA-601

- Test point : TP BIAS (C403)
- Adjustment Location : L401

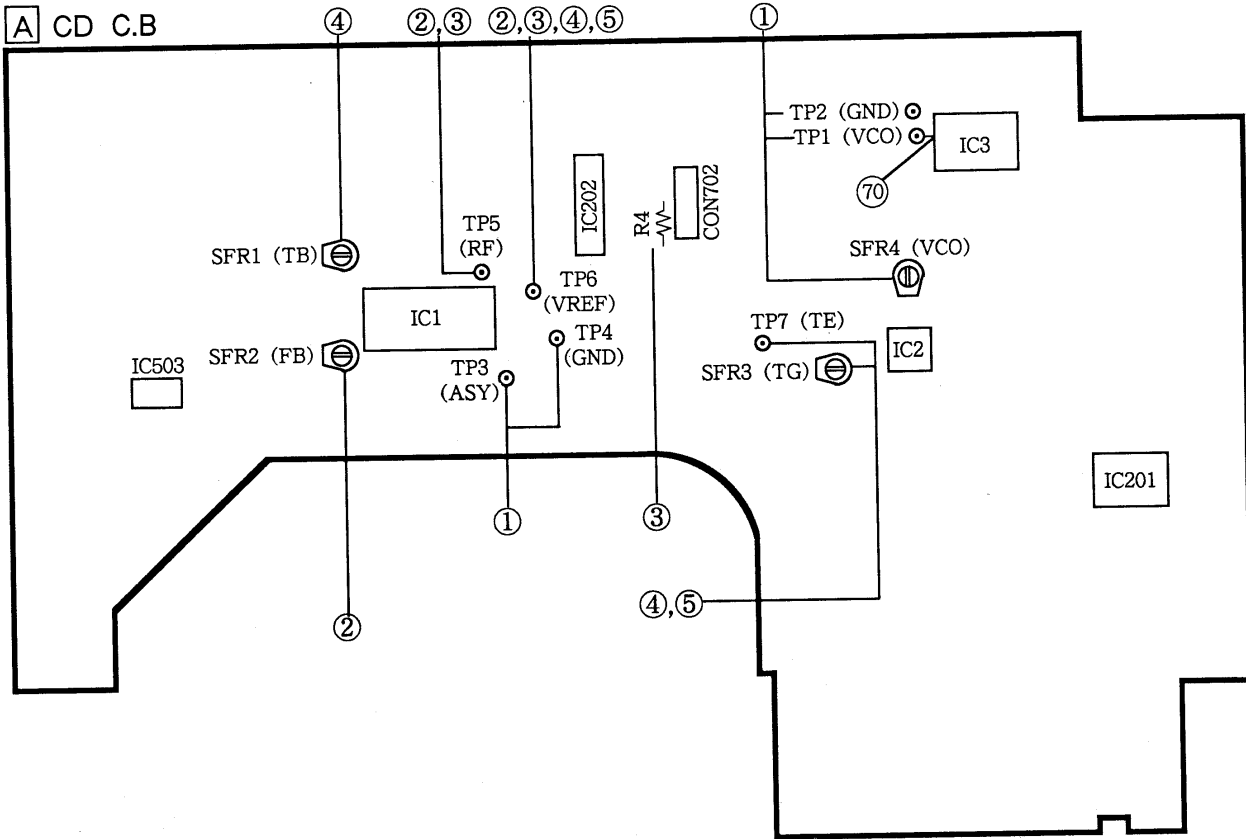
Method : Set to the REC mode. Adjust L401 so that the frequency counter of the test point reads $106\text{kHz} \pm 2\text{kHz}$.

PRACTICAL SERVICE FIGRE (DECK)

DECK SECTION

Tape speed :	3000Hz $\pm 1.5\%$	Less than 1.3mV/1.8mV (DOLBY B NR ON/OFF NORM)
Wow & flutter :	Less than 0.4% (R.M.S)	
Take-up torque :	30~60g-cm (FWD, REV)	
F.F torque :	75~140g-cm	Noise level (REC/PB) :
Rew torque :	75~140g-cm	Less than 1.3mV/2.0mV (DOLBY B,C NR ON/OFF NORM)
Back tension :	2~6g-cm	Less than 1.2mV/1.5mV (DOLBY B,C NR ON/OFF) CrO ₂ ,METAL)
PB Output level :	250mV $\pm 50\text{mV}$ (REC OUT)	Erasing ratio : More than 60dB (125Hz)
REC/PB Output level :	190mV $\pm 1\text{dB}$ (REC OUT)	REC bias frequency : 106kHz
Distortion (REC/PB) :	Less than 2.5% (CrO ₂) Less than 2.0% (NORMAL)	Test tape : NORMAL TTA - 601/600 CrO ₂ TTA - 610 METAL TTA - 630
Noise level (PB) :	Less than 2.0mV/1.4mV (DOLBY B NR ON/OFF CrO ₂)	

ADJUSTMENT (CD)



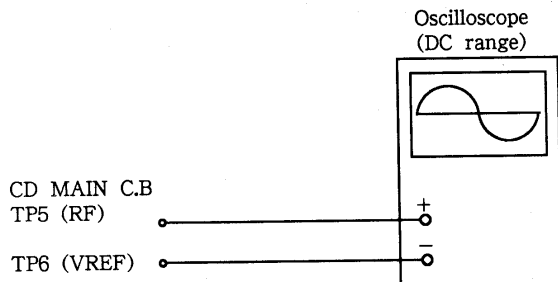
Note: Connect a probe (10:1) of the oscilloscope and the counter to a test point.

1. VCO Frequency Adjustment

- 1) Connect the frequency counter to test points TP1 (VCO) and TP2 (VCO GND).
- 2) Set test disc and PLAY mode.
- 3) Connect and short between TP3 (ASY) and TP4 (GND).
- 4) Adjust SFR4 so that the frequency counter reading is $4.27\text{MHz} \pm 0.02\text{MHz}$.
- 5) After the adjustment is completed, disconnect the short lead wire.

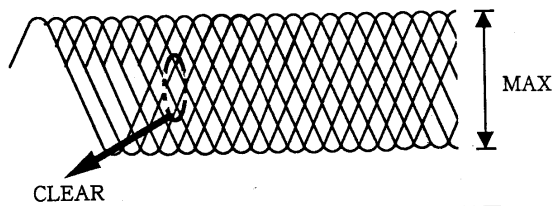
2. Focus Bias Adjustment

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



- 1) Connect an oscilloscope to test points TP5 (RF) and TP6 (VREF).

- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Adjust SFR2 (FB) so that the RF waveform must be maximum and clear.

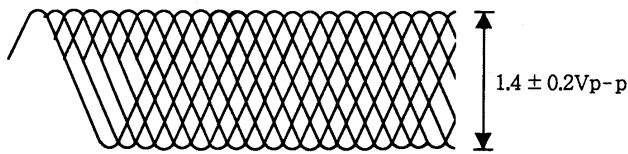


VOLT/DIV : 0.5V
TIME/DIV : 0.5 μ S

3. RF Waveform Check

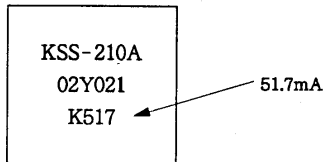
This check should be performed whenever the optical block is replaced in repair.

- 1) Connect an oscilloscope to test points TP5 (RF) and TP6 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Check that the waveform appears as shown in the figure.



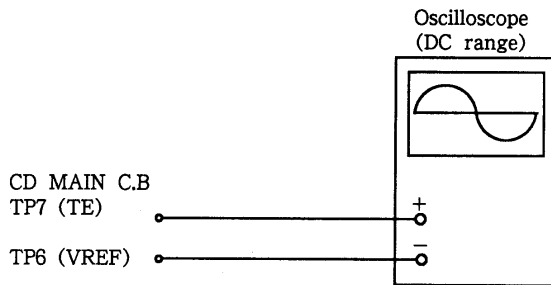
VOLT/DIV : 0.5V
TIME/DIV : 0.5 μ S

Note: The current of the laser signal can be checked with the voltages on both sides of R4 (10 Ω). The difference for the specified value shown on the label must be within ± 6.0mA.

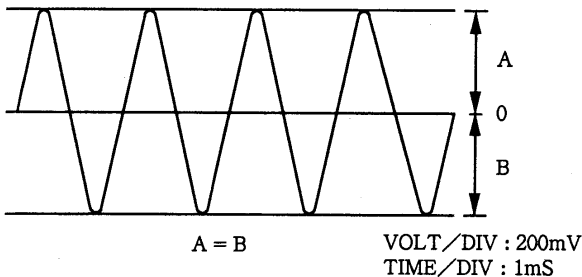


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R4}}{10 \Omega}$$

4. Tracking Balance Adjustment



- 1) Connect an oscilloscope to test points TP7 (TE) and TP6 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Connect center pin of SFR3 (TG) to TP6 (VREF).
- 5) Adjust SFR1 (TB) so that the waveform on the oscilloscope is vertically symmetrical as figure shown in the figure below.
- 6) After the adjustment is completed, remove the ground lead wire.



5. 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 increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

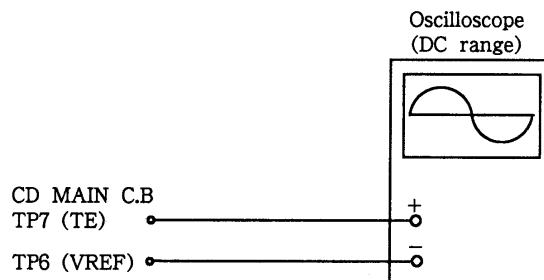
When gain adjustment is off, the symptoms below appear.

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

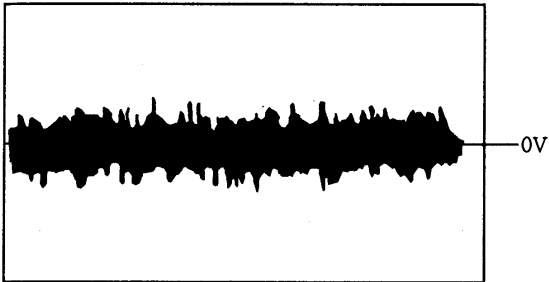
The following is simple adjustment method.

— 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.



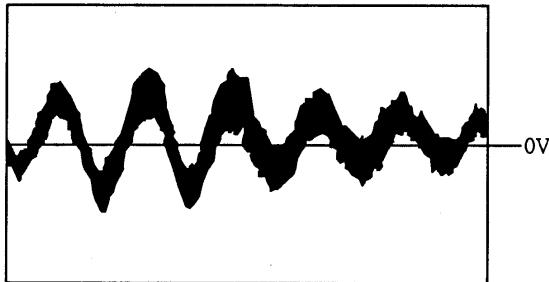
- 1) Keep the set horizontal.(If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2 - axis device.)
- 2) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 3) Connect an oscilloscope to TP7 (TE) and TP6 (VREF).
- 5) Adjust SFR3 (TG) so that the waveform appears as shown in the figure below.
(tracking gain adjustment)



VOLT/DIV : 100mV
TIME/DIV : 1mS

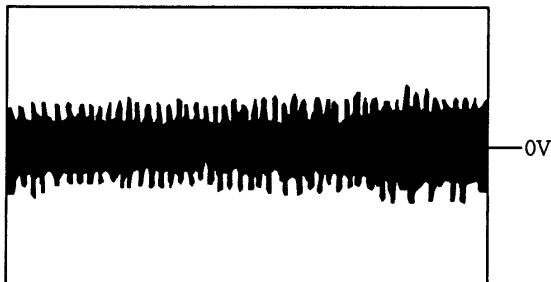
- Incorrect example (The fundamental wave appears as compared with the waveform adjusted)

Low tracking gain



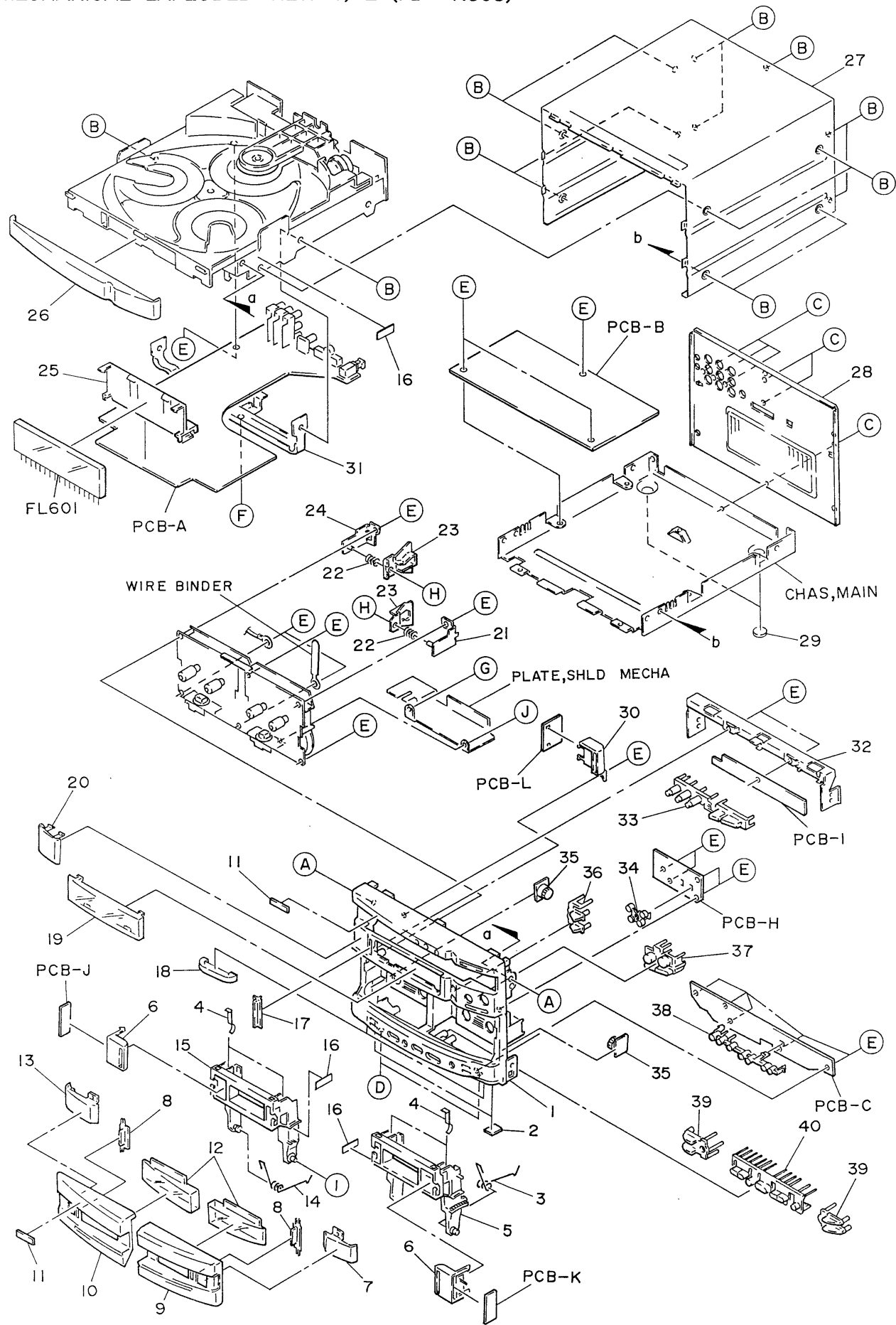
VOLT/DIV : 100mV
TIME/DIV : 1mS

High tracking gain (The frequency of the fundamental wave is higher than in low gain.)



VOLT/DIV : 100mV
TIME/DIV : 1mS

MECHANICAL EXPLODED VIEW 1/2 (FD - N909)

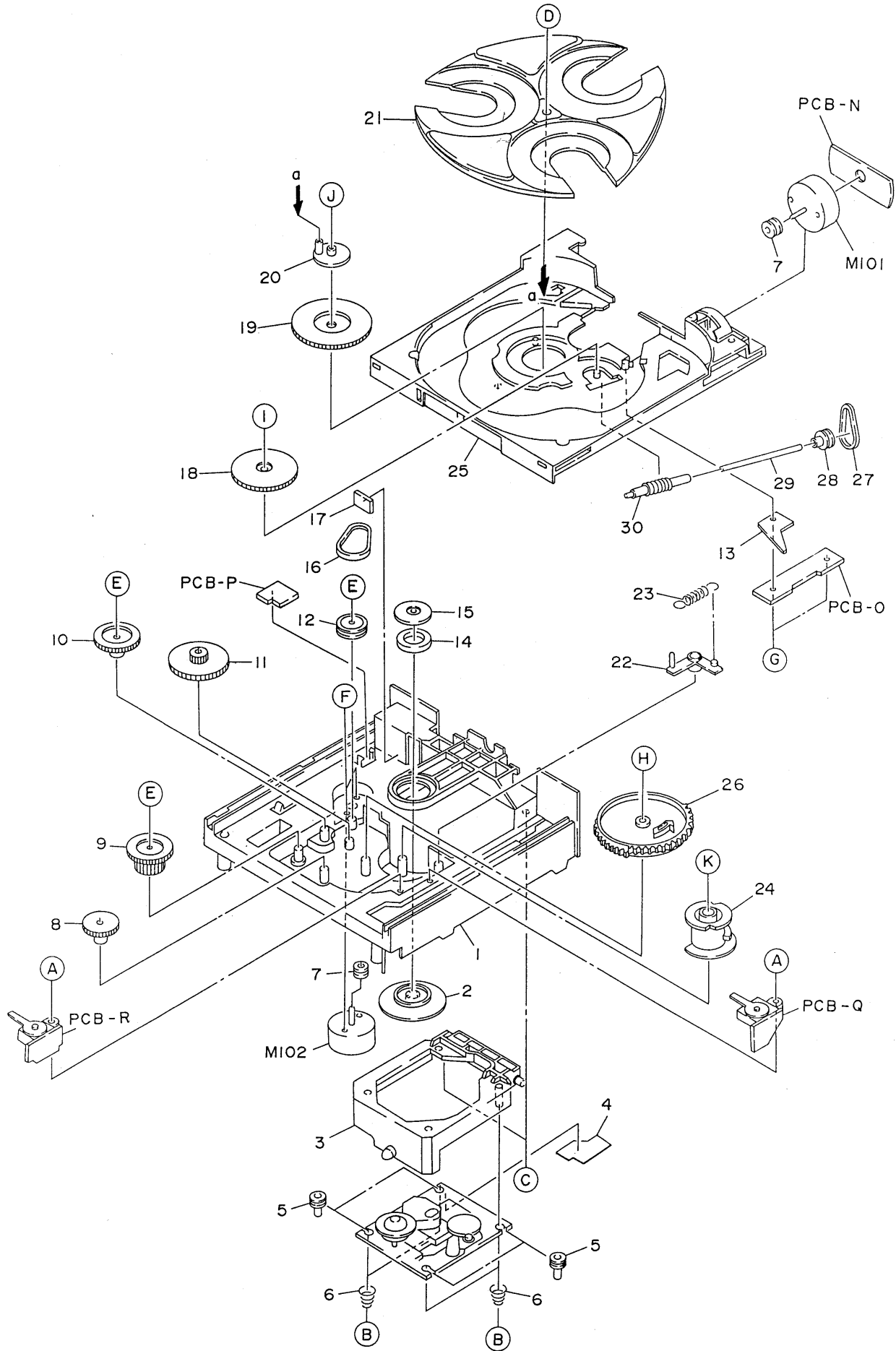


MECHANICAL PARTS LIST 1/2 (FD - N909)

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	82-NV1-001-010		CAB, FR EX	28	82-NV1-038-010		PANEL, REAR (Y)
2	80-VT1-202-010		FELT, 12. 5-15. 5-2	28	82-NV1-031-010		PANEL, REAR (YJ)
3	82-NV1-215-010		SPR-T, EJECT R (Y)	29	82-NV1-213-010		FELT, DIA12-2
3	82-NV1-217-010		SPR-T, EJECT R (YJ)	30	82-NV1-205-010		GUIDE, LED WIND
4	80-CD3-218-110		SPR-P CASS	31	82-NF5-217-110		HLDR, BOTTOM
5	82-NV1-004-010		BOX, CASS R	32	82-NV1-201-010		HLDR, FR
6	82-NV1-204-010		GUIDE, LED CASS	33	82-NV1-008-010		KEY, OPEN
7	82-NV1-024-010		DUMMY, CASS R	34	82-NV1-202-010		GUIDE, LED CD
8	82-NV1-019-010		IND, CASS	35	87-063-165-010		OIL-DMPR 150
9	82-NV1-030-010		PANEL, CASS R EX	36	82-NV1-013-010		KEY, DISPLAY
10	82-NV1-029-010		PANEL, CASS L EX	37	82-NV1-009-010		KEY, CD
11	81-MX4-032-010		BADGE, AIWA N	38	82-NV1-203-010		GUIDE, LED DECK
12	82-NV1-017-010		WINDOW, CASS	39	82-NV1-011-010		KEY, DUBB
13	82-NV1-023-010		DUMMY, CASS L	40	82-NV1-010-010		KEY, DECK
14	82-NV1-214-010		SPR-T, EJECT L (Y)	A	87-721-096-410		QT2+3-10 GLD
14	82-NV1-216-010		SPR-T, EJECT L (YJ)	B	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
15	82-NV1-003-010		BOX, CASS L	C	87-067-660-010		BVT2+3-8W/O SLOT BLK
16	80-MQ1-209-010		CLOTH, 20-7	D	87-067-689-010		BVTT+3-8
17	82-NV1-018-010		IND, CD	E	87-067-579-010		BVT2+3-8W/O SLOT
18	82-NT1-036-010		RING, FOOT	F	87-067-716-010		BVTT+3-6 BLK
19	82-NV1-016-010		WINDOW, CD	G	87-571-032-410		VIT+2-3
20	82-NV1-022-010		DUMMY, CD	H	87-081-808-010		PW, 1. 7-3. 5-0. 25
21	82-NF5-205-010		HLDR ASSY, LOCK 2	I	82-NE8-215-010		W, 4. 2-6. 8-0. 18
22	80-MV3-210-110		SPR-C, LOCK (Y)	J	87-067-178-019		VTT+2. 6-3
22	80-MV3-218-010		SPR-C, LOCK (YJ)				
23	80-CD3-233-010		PLATE, LOCK				
24	82-NF5-204-010		HLDR ASSY, LOCK 1				
25	81-VM1-203-019		GUIDE, FL				
26	82-NV1-015-010		PANEL, TRAY EX				
27	82-NV1-002-010		CAB, STEEL				

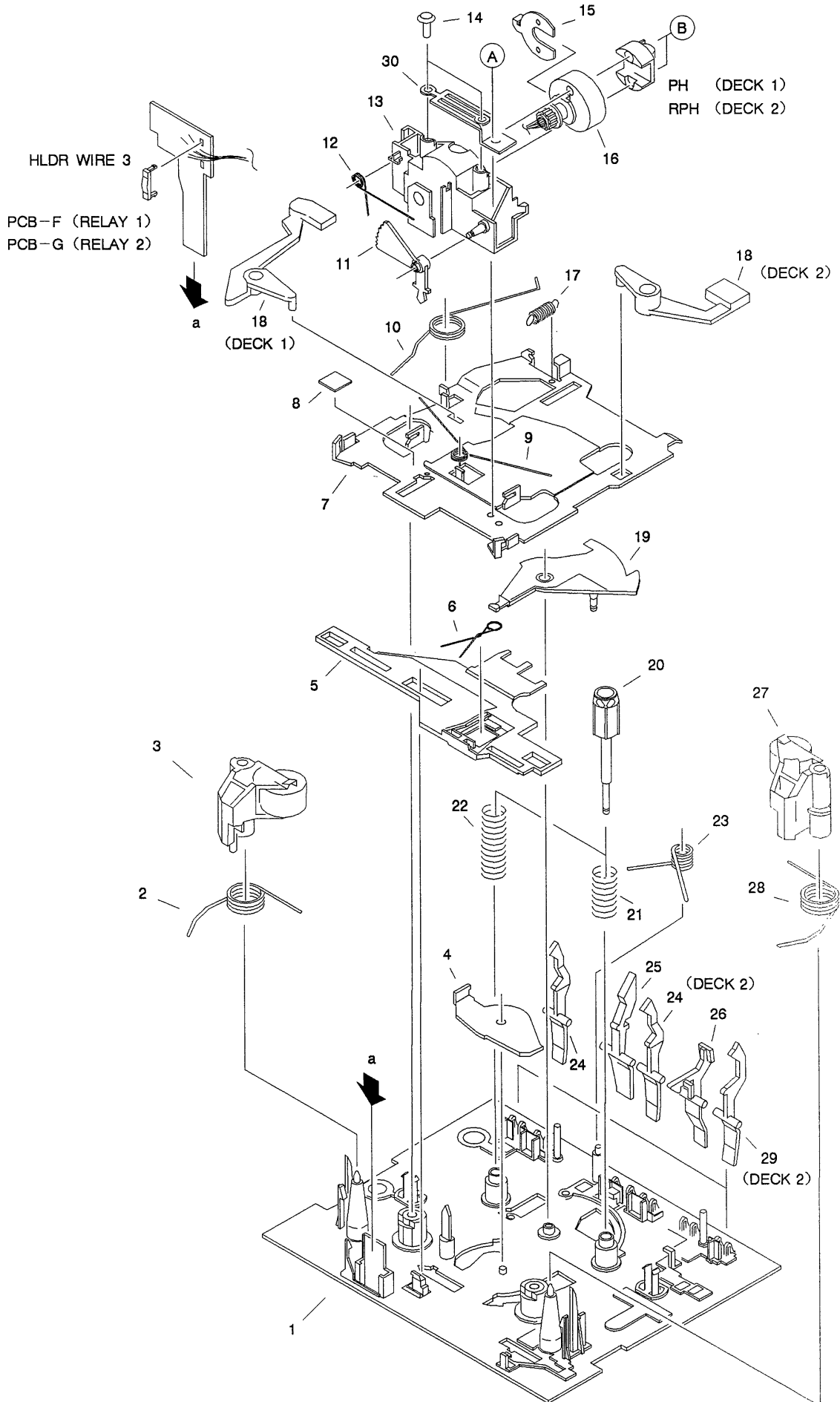
MECHANICAL EXPLODED VIEW 2/2 (FD - N909)

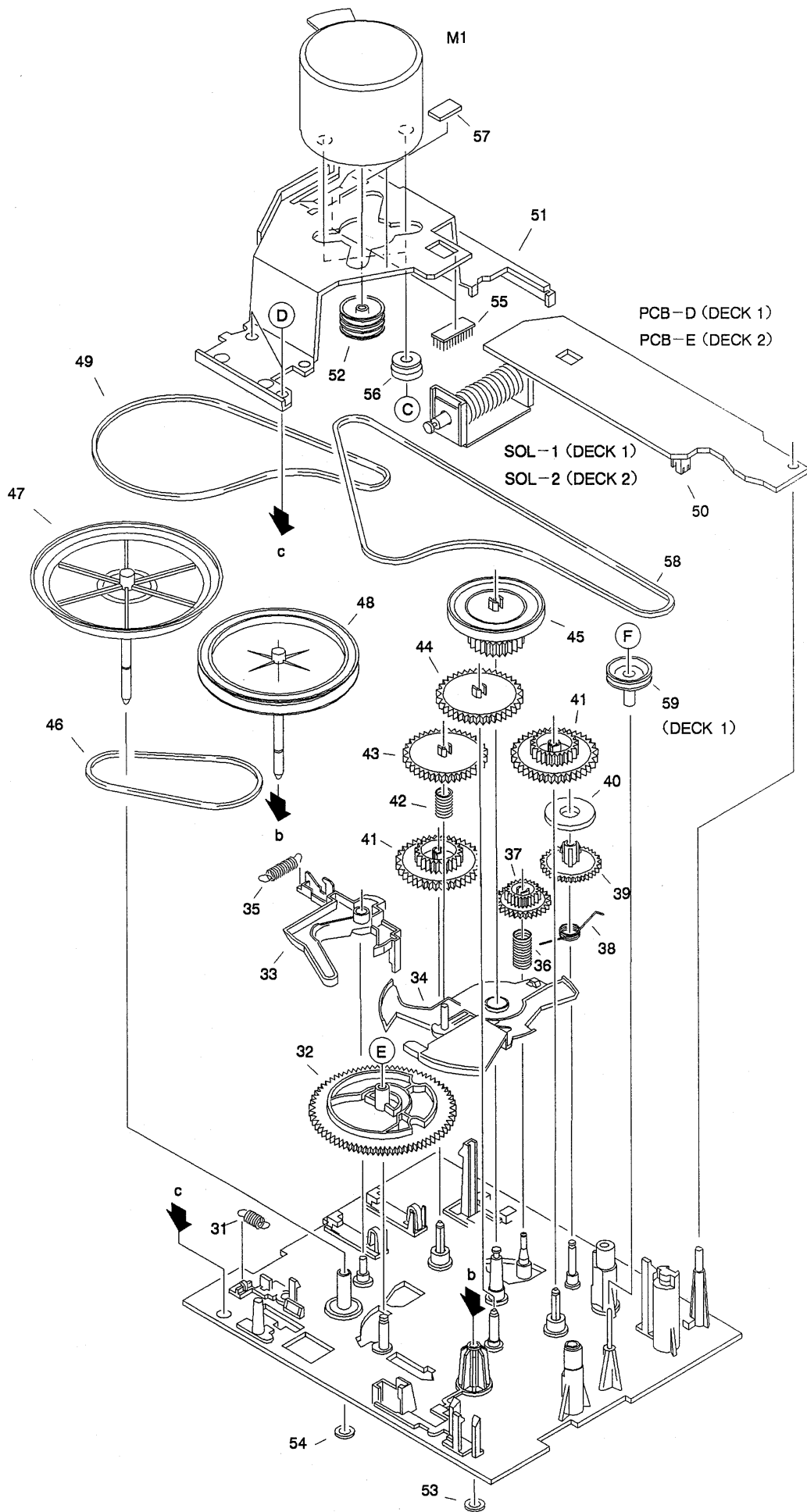


MECHANICAL PARTS LIST 2/2 (FD - N909)

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	81-ZG1-261-010		CHAS, MECH M(Y)	24	81-ZG1-206-110		GEAR, MECH CAM
1	81-ZG1-246-110		CHAS, MECH M(YJ)	25	81-ZG1-001-310		TRAY(Y)
2	81-ZG1-228-110		HLDR, MAGNET	25	81-ZG1-011-110		TRAY, MK2(YJ)
3	81-ZG1-253-110		HLDR, MECH MK2	26	81-ZG1-205-210		GEAR, TRAY CAM
4	81-ZG1-241-210		SH, CD MECH	27	81-ZG1-233-110		BELT, TT
5	81-ZG1-230-010		G-CUSH, MECH	28	81-ZG1-236-010		PULLY, TT MO
6	81-ZG1-231-010		SPR-C, MECH	29	81-ZG1-260-010		SHAFT, WORM S
7	81-ZG1-212-010		PULLY, LOAD MO	30	81-ZG1-221-010		WORM GEAR, TT
8	81-ZG1-250-010		GEAR, TRAY RELAY MK2	A	81-653-215-010		SPECIAL SCREW VT2
9	81-ZG1-257-010		GEAR, TRAY B MK2	B	81-ZG1-254-010		S-SCREW, MECH HLDR
10	81-ZG1-256-010		GEAR, TRAY A MK2	C	87-561-096-210		VFT1+3-10
11	81-ZG1-251-010		GEAR, RELAY MK2	D	81-ZG1-239-010		S-SCREW, TT
12	81-ZG1-211-010		PULLY, RELAY	E	87-067-945-110		VFT2+3-12(F10)
13	81-ZG1-240-010		SPR-P, WORM	F	87-251-071-410		U+2, 6-4
14	86-531-219-010		MAGNET, CLAMPER	G	87-067-579-010		BVT2+3-8W/0 SLOT
15	81-ZG1-255-010		PLATE, MAGNET MK2	H	81-ZG1-264-010		S-SCREW, CAM
16	81-ZG1-232-010		BELT, TRAY	I	87-761-095-410		VFT2+3-8
17	81-ZG1-238-110		CUSH, TRAY IN	J	87-078-029-010		VFT2+3-13(F8)
18	81-ZG1-222-010		WORM WHEEL, TT	K	87-067-828-010		VFT2+3-15D1A10, GLD
19	81-ZG1-202-010		GEAR MAIN				
20	81-ZG1-252-010		LEVER, TT MK2				
21	81-ZG1-002-110		TURNTABLE(Y)				
21	81-ZG1-008-110		TURNTABLE NO2(YJ)				
22	81-ZG1-213-110		PLATE, CAM				
23	81-ZG1-262-010		SPR-E, CAM S				

TAPE MECHANISM EXPLODED VIEW 1/1 (FD - N909)

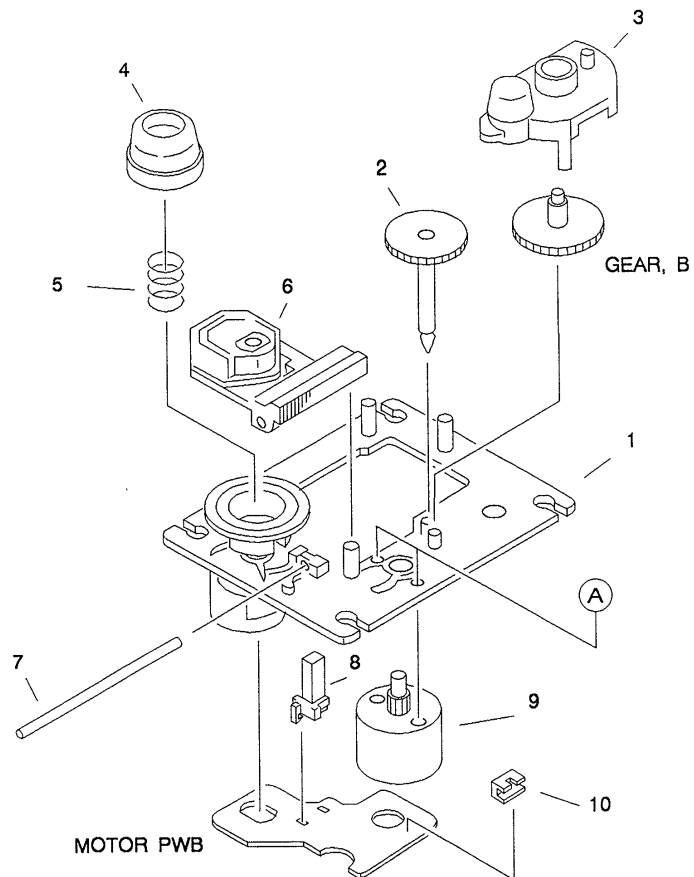




TAPE MECHANISM PARTS LIST 1/1 (FD - N909)

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	82-ZM3-214-110		CHAS ASSY, P (DECK 1)	34	82-ZM1-224-110		LVR, FR
1	82-ZM1-299-010		CHAS ASSY, R (DECK 2)	35	82-ZM1-305-010		SPR-E, TRIG 2
2	82-ZM1-258-010		SPR-T, PINCH L	36	82-ZM1-277-010		SPR-C, PLAY
3	82-ZM1-248-110		LVR ASSY, PINCH L	37	82-ZM1-223-010		GEAR, PLAY
4	82-ZM1-295-210		PLATE ASSY, LINK	38	82-ZM1-256-110		SPR-T, FR
5	82-ZM1-266-010		LVR, DIR	39	82-ZM1-220-210		GEAR, IDLER
6	82-ZM1-214-010		SPR-T, DIR	40	80-ZM6-217-010		RING MAGNET 2
7	82-ZM1-206-210		CHAS, HEAD	41	82-ZM1-216-210		GEAR, REEL
8	87-078-014-010		SH, 5-5-0.05	42	82-ZM1-276-010		SPR-C, FR
9	82-ZM1-269-010		SPR-T, BRG	43	82-ZM1-225-010		GEAR, FR
10	82-ZM1-219-010		SPR-T, LINK	44	82-ZM1-226-010		GEAR, REW
11	82-ZM1-210-010		GEAR, H T	45	82-ZM1-228-210		SLIP DISK ASSY
12	82-ZM1-213-010		SPR-T, HEAD	46	82-ZM1-261-110		BELT, FR
13	82-ZM1-207-010		GUIDE, TAPE	47	82-ZM1-237-210		FLY-WHL ASSY, R (DECK 2)
14	82-ZM1-283-210		S-SCREW, AZIMUTH	47	82-ZM3-209-110		FLY-WHL ASSY, R2 (DECK 1)
15	82-ZM1-209-010		PLATE, HEAD	48	82-ZM1-234-110		FLY-WHL ASSY, L (DECK 2)
16	82-ZM1-208-010		HLDR, HEAD	48	82-ZM3-207-210		FLY-WHL ASSY, L2 (DECK 1)
17	82-ZM1-218-010		SPR-E, HB	49	82-ZM3-206-010		BELT, R
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	50	82-ZM1-245-210		HLDR, IC
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	51	82-ZM3-201-010		HLDR, MC
19	82-ZM1-222-010		LVR, PLAY	52	82-ZM3-202-010		PULLEY, MOT 2M
20	82-ZM1-217-110		REEL TABLE	53	82-ZM1-288-010		SH, 1.63-3.2-0.5 SLT
21	82-ZM1-244-110		SPR-C, BT	54	80-ZM6-243-010		SH, 1.75-3.6-0.5 SLT
22	82-ZM1-285-110		SPR-C, BT L	55	80-ZM6-230-010		SH, BELT
23	82-ZM1-257-010		SPR-T, CAS	56	86-575-242-010		CUSH-G, DIA3.7-9-3.2
24	82-ZM1-241-110		LVR, MC	57	86-575-361-010		CUSH-G, 6-8-0.8
25	82-ZM1-242-010		LVR, CAS	58	82-ZM3-205-010		BELT, L
26	82-ZM1-243-010		LVR, STOP	59	82-ZM3-204-010		PULLEY, COUPLER (DECK 1)
27	82-ZM1-253-110		LVR ASSY, PINCH R	A	87-585-036-410		UIT+2-8
28	82-ZM1-259-010		SPR-T, PINCH R	B	80-ZM6-207-010		V+1.6-7
29	82-ZM1-240-110		LVR, REC (DECK 2)	C	82-ZM1-309-010		S-SCRW, MOTOR
30	82-ZM1-298-010		SPR-P, EARTH	D	87-067-178-010		VTT+2.6-3
31	82-ZM1-255-110		SPR-E, LVR DIR	E	87-067-932-010		PW, 2.15-6.8-0.5 SLT
32	82-ZM1-221-110		GEAR, CAM	F	87-067-972-010		PW, 1.05-3-0.25 SLT
33	82-ZM1-227-110		LVR, TRIG				

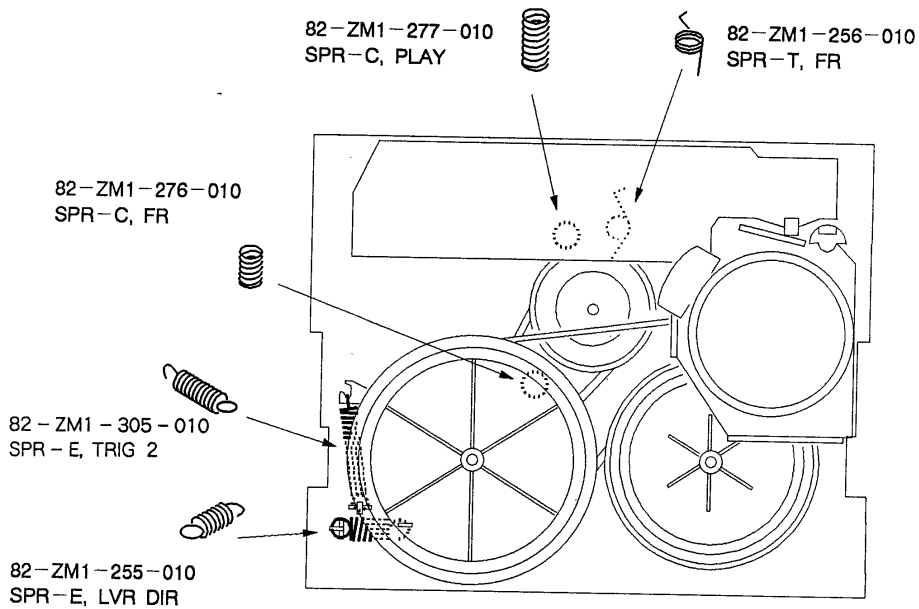
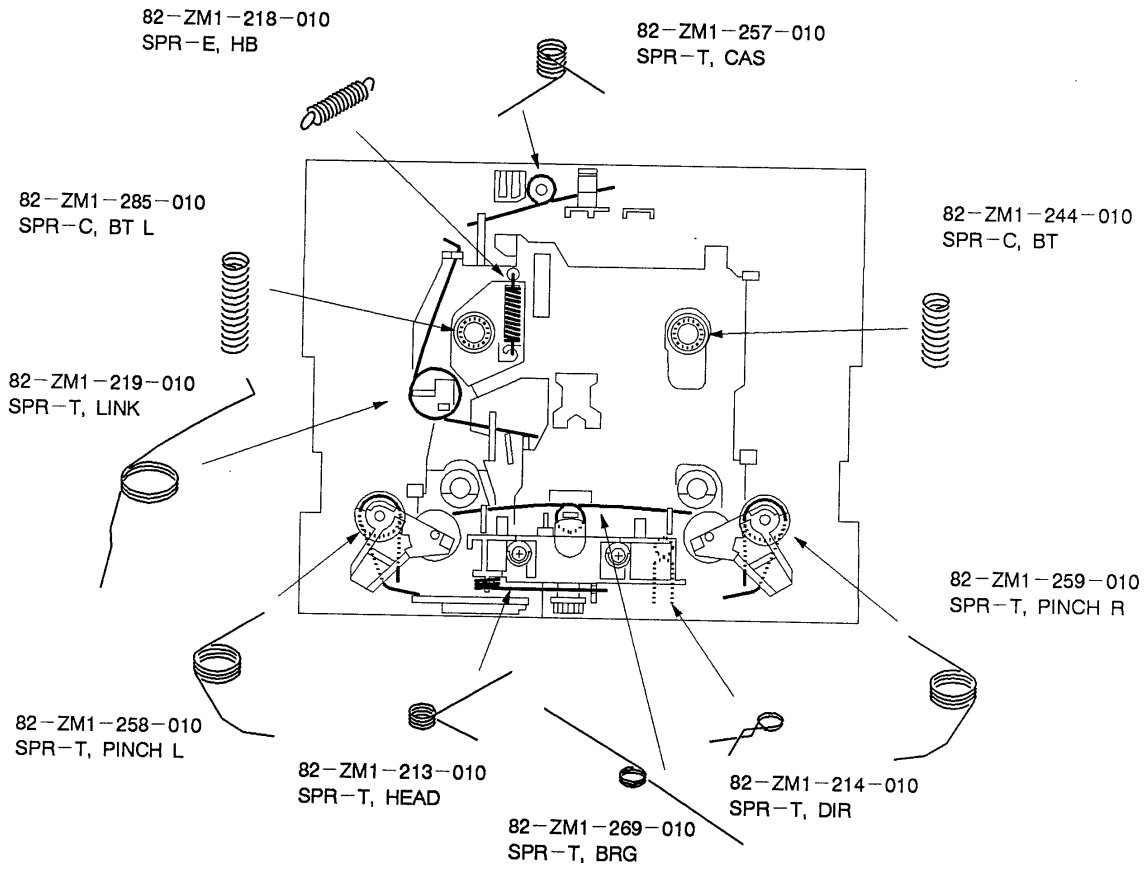
CD MECHANISM EXPLODED VIEW 1/1 (FD - N909)



CD MECHANISM PARTS LIST 1/1 (FD - N909)

REF. NO	PART NO.	カソ NO.	DESCRIPTION	REF. NO	PART NO.	カソ NO.	DESCRIPTION
1	9X-262-513-310		T. T CHASS ASSY W/MOTOR	6	98-848-127-110		PICK UP KSS-210A
2	92-625-188-020		GEAR A	7	94-917-565-010		SHAFT SLED
3	92-625-544-010		COVER	8	91-572-085-110		LEAF SW. (LIMIT)
4	92-625-187-010		RING, CENTER	9	9X-262-513-210		SLED MOTOR ASSY
5	92-625-191-010		SPRING COMPRESSION	10	91-564-722-110		CONNECTOR 6P
				A	87-261-032-210		V+2-3

SPRING APPLICATION POSITION (FD - N909)



MODEL NO. SX - N909

■ SPEAKER LIST

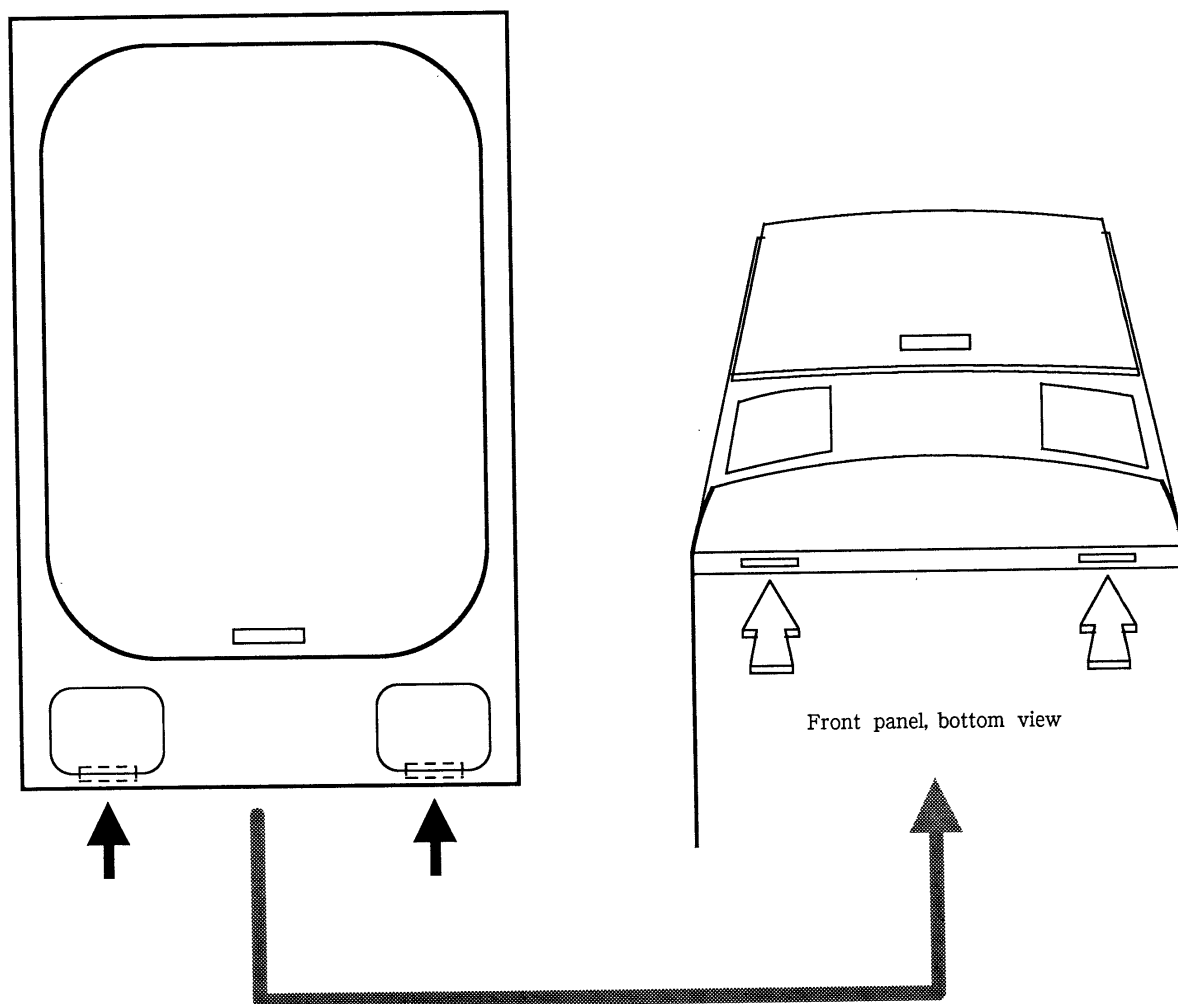
DESCRIPTIONで判断できない物は“REFERENCE NAME LIST”を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
82-NS2-001-010			PANEL FR(YJB)	82-NS2-010-010			RING TW ASSY(YJN)
82-NS2-002-010			PANEL FR(YB, YUB)	82-NS2-602-010			SPEAKER WOOFER
82-NS2-007-010			PANEL FR(YJN)	82-VS1-603-010			SPEAKER TWEETER
82-NS2-008-010			PANEL FR ST(YST)	83-096-614-010			SPEAKER CORD
82-NS1-004-010			RING W(EXCEPT YJN)	82-NS2-610-010			TERMINAL ASSY
82-NS2-009-010			RING W(YJN)	82-NS1-008-010			GRILL FRAME ASSY
82-NS2-006-010			RING TW ASSY(EXCEPT YJN)				

■ DISASSEMBLY INSTRUCTIONS

- Insert a flat-bladed screwdriver into the position indicated by the arrows (shown in the below figure) and remove the front panel and tweeter. Remove the screws of each speaker unit and then remove the speaker units.

- SX - N909 (3 WAY SPEAKER SYSTEM)



■ 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.	カソリ NO.	DESCRIPTION
1	82-NT1-904-010		IB, E(G) (EE, Z, E)
2	82-NT1-905-010		IB, H(G) (K, EE, Z, E)
3	82-NT1-903-010		IB, H(S) (HE, LH, HR)
4	87-006-226-010		AM LOOP ANT CON2 (K, EE, E)
5	87-006-225-010		AM LOOP ANT NC2 (HE, LH, HR, Z)
6	81-748-632-010		FEEDER ANT, FM N (EXCEPT Z)
7	87-043-106-010		FM, WIRE ANT (Z) (Z)
8	87-042-062-010		PLG, ADPTR S-16115 (HE, HR)
9	87-009-724-010		PLUG, ADPTR, 1R39 (LH)
10	82-NT1-043-010		RC-TN909

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
サージアブレッガ	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, 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
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-SCRW
ヒンジ	HINGE
ヒンジビス	S-SCRW
ビスセレート	SCRW, SERRART

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

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