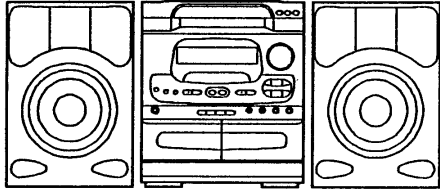


aiwa



NSX-550G



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM: 2ZM-3 PR1
- BASIC CD MECHANISM: KSM-2101ABM
- TYPE: HD,HS

SYSTEM	CD-CASSEIVER	REMOTE CONTROLLER	SPEAKERS
NSX-550G	CX-N550G	RC-TN550	SX-FN550

MANUAL
SERVICE

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SPECIFICATIONS

TUNER/AMPLIFIER

<FM section>

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

<AM section>

Frequency range	AM 531 (530) kHz to 1602 (1710) kHz
Usable sensitivity	350 μ V/m
Selectivity	22 dB (9 kHz)
Signal-to-noise ratio	53 dB (100 dB input)
Antenna	Loop antenna

<Timer section>

Program timer	On-timer, free setting
Sleep timer	Setting in 10-minute increments, 240 minutes maximum

<Amplifier section>

Power output	50 W + 50 W (6 ohms, T.H.D. 10% 1 kHz)
Harmonic distortion	0.05 % (15 W, 1 kHz, 6 ohms)
Input terminal	VIDEO/AUX: 150 mV (adjustable) MIC: 1.8 mV/10 k Ω
Output terminal	SUPER WOOFER : 1.55 V

CASSETTE DECK/COMPACT DISC PLAYER

<Cassette deck section>

Track format	4 tracks, 2 channels
Frequency response	CrO ₂ tape: 50 - 16000 Hz Normal tape: 50 - 15000 Hz
Signal-to-noise ratio	60 dB (DOLBY NR ON, CrO ₂ tape peak level)
Tape speed	4.8 cm/sec. (1 $\frac{7}{8}$ ips)
Recording system	AC bias
Erasure system	AC erase
Motor	DC servo motor \times 1
Heads	Playback head \times 1 (deck 1) Recording/playback/erasure head \times 1 (deck 2)

<CD player section>

Disc	Compact disc
Scanning method	Non-contact optical scanner (semi-conductor laser)
Laser	Semiconductor laser ($\lambda = 780$ nm)
Rotation speed	Approx. 500 rpm - 200 rpm (CLV)
Error correction	Cross Interleave, Reed Solomon code
No. of channels	2 channels
D-A conversion	16-bit linear
Wow/flutter	Unmeasurable
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.05% (1 kHz, 0 dB)
Video signal	NTSC/PAL
Video output	RCA pin jack 1 V _{p-p} , 75 Ω unbalanced


SPEAKER SYSTEM

(These values are for one speaker.)

Cabinet type	3 way, bass reflex with surround speaker (magnetism sealed type)
Speaker	130 mm (5 $\frac{1}{8}$ in.) cone type woofer 80 mm (3 $\frac{1}{4}$ in.) cone type tweeter 50 mm (2 in.) ceramic type super tweeter 80 mm (3 $\frac{1}{4}$ in.) surround speaker
Impedance	6 ohms Surround speaker: 16 ohms
Music power	50 W
Output sound pressure level	88 dB/W/m
Dimensions (W \times H \times D)	206 \times 302 \times 260 mm (8 $\frac{1}{8}$ \times 12 \times 10 $\frac{1}{4}$ in.)
Weight	3.8 kg (8.4 lbs.)

COMMON SECTION

Power requirements	100-120 V or 200-240 V, switchable 50/60 Hz
Power consumption (System total)	CX-N550G: 105 W
Dimensions (W \times H \times D)	Main unit: 260 \times 305 \times 340 mm (10 $\frac{1}{4}$ \times 12 $\frac{1}{8}$ \times 13 $\frac{1}{2}$ in.) System: 672 \times 305 \times 340 mm (26 $\frac{1}{2}$ \times 12 $\frac{1}{8}$ \times 13 $\frac{1}{2}$ in.) CX-N550G
Weight	Main unit: 7.5 kg (16.5 lbs.) System: 15.1 kg (33.3 lbs.)

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.
- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc. Under license from BBE Sound, Inc.

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 mainituilla 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

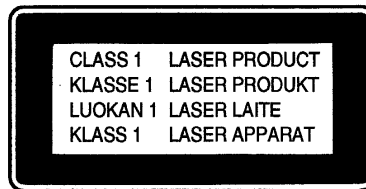
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

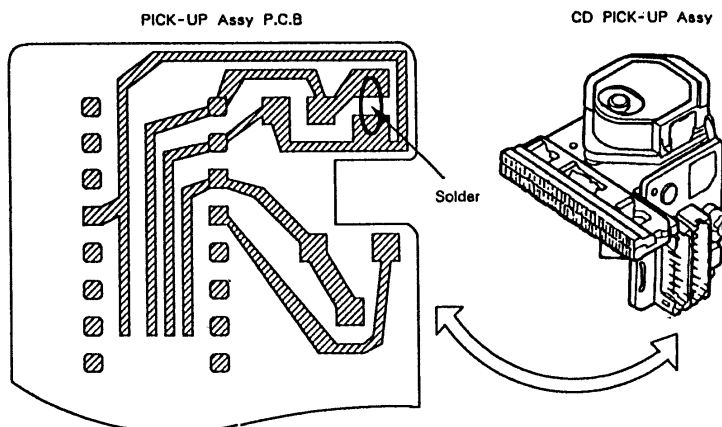
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



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.	カッ NO.	DESCRIPTION	REF. NO	PART NO.	カッ NO.	DESCRIPTION
IC							
	87-017-745-010	IC,	CXA1782BQ	89-109-521-080	TR,	2SA952K	
	87-020-454-010	IC,	DM6851	89-112-965-080	TR,	2SA1296GR	
	87-017-486-080	IC,	BA6397FP	89-502-464-080	FET,	2SK246Y	
	87-017-586-010	IC,	CXD2518Q	87-026-214-080	TR,	DTA114YS	
	87-017-194-010	IC,	PLT104	87-026-215-080	TR,	DTC114YS(HD)	
	83-NF5-646-110	IC,	LC866432V-5519	87-026-219-080	TR,	DTA144ES(HD)	
	87-017-585-080	IC,	NJM4580E	89-327-143-080	C-TR,	2SC2714(O)	
	87-017-373-010	IC,	NJH32H380A	89-503-025-080	C-FET,	2SK302 GR	
	87-001-582-010	IC,	STK4152-2	89-505-434-580	C-FET,	2SK543(4/5)	
	87-017-738-010	IC,	NJM2068LD				
	87-001-982-010	IC,	TA7291S	DIODE			
	87-017-887-010	IC,	XR1090 ACP	87-002-564-080	DIODE,	1SS133 RA	
	87-017-915-080	IC,	BU4094BCF	87-020-027-080	C-DIODE,	1SS184	
	87-002-727-010	IC,	NJM4558L	87-017-447-010	DIODE,	GBU4DL	
	87-017-375-080	IC,	TC4094BF	87-020-465-080	DIODE,	1SS133	
	87-001-874-010	IC,	HA12134A	87-002-608-080	DIODE,	DSF10TC	
	87-017-673-010	IC,	BA3837	87-017-011-080	DIODE,	LT1N4003L	
	87-017-449-010	IC,	XR-1071CP	87-020-691-080	DIODE,	1SS132 T-72	
	87-017-914-010	IC,	BU4094BCP	87-020-125-080	C-DIODE,	1SS181	
	87-017-888-080	IC,	NJM4558MD	87-017-174-080	ZENER,	HZS11A3L	
	87-017-374-010	IC,	TC4094BP	87-017-147-080	ZENER,	HZS33-2	
	87-017-804-010	IC,	BU4052BCP	87-001-731-080	ZENER,	HZS6C2L	
	87-017-448-010	IC,	GD4052B	87-017-091-080	ZENER,	HZS5C1	
	87-017-726-080	IC,	BU4052BCF	87-020-331-080	C-DIODE,	DAN202K	
	87-002-272-080	IC,	TC4052BF	87-001-290-080	ZENER,	HZS6B1L	
	87-001-607-080	IC,	NJM4558M	87-020-330-080	C-DIODE,	DAP202K	
	87-001-376-010	IC,	LC7218	87-001-559-080	DIODE,	1SS131	
	87-002-641-010	IC,	TA8124P(HD)	87-017-083-080	ZENER,	HZS4C2	
	87-017-714-010	IC,	LA1836	MAIN C.B			
	87-017-667-010	IC,	LC7870NE				
	87-002-892-080	IC,	MM1031XMR	C101	87-016-055-090	CAP, E	3300-42 HI-R
	87-017-640-010	IC,	MSM51C464AZS	C102	87-016-055-090	CAP, E	3300-42 HI-R
	87-020-881-080	IC,	NJM78L05A	C103	87-010-453-090	CAP, E	4700-25
	87-017-675-080	IC,	M65840FP	C104	87-010-235-080	CAP, E	470-16 SME
	87-002-872-040	IC,	MC14053BF	C105	87-010-381-080	CAP, E	330-16 SME
	87-017-309-010	IC,	M65830P	C106	87-010-430-080	CAP, E	100-63
				C107	87-010-392-080	CAP, E	33-35 SME(HS)
				C107	87-010-260-080	CAP, E	47-25 SME(HD)
				C108	87-010-406-080	CAP, E	22-50 SME
				C109	87-010-263-080	CAP, E	100-10
TRANSISTOR				C112	87-010-237-080	CAP, E	1000-16
	89-110-154-080	TR,	2SA1015Y	C113	87-010-403-080	CAP, E	3.3-50 SME
	87-026-463-080	TR,	2SA933S(RS)	C115	87-016-247-080	C-CAP, O.	1-50F
	89-113-187-080	TR,	2SA1318TU	C116	87-012-140-080	C-CAP, S	470P-50 CH
	87-026-233-080	C-TR,	DTA114TK	C118	87-016-247-080	C-CAP, O.	1-50F
	87-026-632-080	C-TR,	UN2115	C119	87-018-205-080	CAP, TC-U	0.022-25 F
	87-026-211-080	C-TR,	DTA144EK	C120	87-018-205-080	CAP, TC-U	0.022-25 F
	89-213-702-010	TR,	2SB1370E	C121	87-018-209-080	CAP, TC-U	0.1-50 F
	87-026-609-080	TR,	KTA1266GR	C152	87-010-374-080	CAP, E	47-10
	87-026-610-080	TR,	KTC3198GR	C213	87-010-404-080	CAP, E	4.7-50 SME
	89-327-125-080	C-TR,	2SC2712GR	C214	87-010-404-080	CAP, E	4.7-50 SME
	89-332-665-080	TR,	2SC3266GR	C215	87-010-182-080	C-CAP, S	2200P-50 B
	89-111-625-080	C-TR,	2SA1162GR	C216	87-010-182-080	C-CAP, S	2200P-50 B
	89-333-266-080	C-TR,	2SC3326B	C217	87-010-404-080	CAP, E	4.7-50 SME
	87-026-232-080	C-TR,	DTA144WK	C218	87-010-404-080	CAP, E	4.7-50 SME
	87-026-633-080	C-TR,	UN211E	C219	87-010-185-080	C-CAP, S	3900P-50 B
	87-026-210-080	C-TR,	DTC144EK T147	C220	87-010-185-080	C-CAP, S	3900P-50 B
	87-026-635-080	C-TR,	UN2213	C221	87-010-400-080	CAP, E	0.47-50 SME
	89-213-293-080	TR,	2SB1329R	C222	87-010-400-080	CAP, E	0.47-50 SME
	89-318-154-080H	TR,	2SC1815Y	C223	87-010-260-080	CAP, E	47-25 SME
	89-333-317-080H	TR,	2SC3331 T	C224	87-010-260-080	CAP, E	47-25 SME
	89-406-555-080H	TR,	2SD655E	C225	87-010-260-080	CAP, E	47-25 SME
	87-026-213-080	C-TR,	DTC114YK	C226	87-010-260-080	CAP, E	47-25 SME
	87-026-636-080	C-TR,	UN2214	C227	87-012-368-080	C-CAP, S	0.1-50 F
	87-026-226-080	C-TR,	DTA143EK	C228	87-012-368-080	C-CAP, S	0.1-50 F
	87-026-634-080	C-TR,	UN211L	C229	87-012-361-080	C-CAP, S	0.056-25 Y
	89-503-655-680	FET,	2SK365GR/BL	C230	87-012-361-080	C-CAP, S	0.056-25 Y
	89-113-187-880	TR,	2SA1318TU	C236	87-010-408-080	CAP, E	47-50 SME
	89-327-126-080	C-TR,	2SC2712BL(HD)				
	87-026-224-080	C-TR,	DTC143XK				

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
C243	87-010-154-080	C-CAP, S	10P-50 CH	C538	87-010-196-080	C-CAP, S	0.1-25 F
C244	87-010-154-080	C-CAP, S	10P-50 CH	C540	87-010-260-080	CAP, E	47-25 SME
C245	87-010-194-080	C-CAP, S	0.047-25 F	C541	87-010-196-080	C-CAP, S	0.1-25 F
C250	87-010-196-080	C-CAP, S	0.1-25 F	C543	87-010-546-080	CAP, E	0.33-50 SME
C303	87-012-155-080	C-CAP, S	180P-50 CH	C544	87-010-546-080	CAP, E	0.33-50 SME
C304	87-012-155-080	C-CAP, S	180P-50 CH	C545	87-010-400-080	CAP, E	0.47-50 SME
C305	87-010-189-080	C-CAP, S	8200P-50 B	C546	87-010-400-080	CAP, E	0.47-50 SME
C306	87-010-189-080	C-CAP, S	8200P-50 B	C547	87-010-213-080	C-CAP, S	0.015-25 B(HD)
C309	87-010-197-080	C-CAP, S	0.01-25 B	C547	87-010-220-080	C-CAP, S	0.018-25 B(HS)
C310	87-010-197-080	C-CAP, S	0.01-25 B	C548	87-010-213-080	C-CAP, S	0.015-25 B(HD)
C311	87-010-213-080	C-CAP, S	0.015-25 B	C548	87-010-220-080	C-CAP, S	0.018-25 B(HS)
C312	87-010-213-080	C-CAP, S	0.015-25 B	C549	87-012-142-080	C-CAP, S	0.33-16 F
C313	87-010-196-080	C-CAP, S	0.1-25 F	C550	87-016-081-080	C-CAP, S	0.1-16 RK
C351	87-012-154-080	C-CAP, S	150P-50 CH	C551	87-016-081-080	C-CAP, S	0.1-16 RK
C352	87-012-154-080	C-CAP, S	150P-50 CH	C601	87-010-401-080	CAP, E	1-50 SME
C353	87-012-145-080	C-CAP, S	270P-50 CH	C602	87-010-405-080	CAP, E	10-50 SME
C354	87-012-145-080	C-CAP, S	270P-50 CH	C603	87-010-101-080	CAP, E	220-16 SME
C355	87-012-154-080	C-CAP, S	150P-50 CH	C605	87-010-178-080	C-CAP, S	1000P-50 B
C356	87-012-154-080	C-CAP, S	150P-50 CH	C606	87-010-178-080	C-CAP, S	1000P-50 B
C357	87-010-189-080	C-CAP, S	8200P-50 B	C607	87-010-404-080	CAP, E	4.7-50 SME
C358	87-010-189-080	C-CAP, S	8200P-50 B	C608	87-010-404-080	CAP, E	4.7-50 SME
C361	87-010-197-080	C-CAP, S	0.01-25 B	C609	87-010-404-080	CAP, E	4.7-50 SME
C362	87-010-197-080	C-CAP, S	0.01-25 B	C610	87-010-404-080	CAP, E	4.7-50 SME
C363	87-010-197-080	C-CAP, S	0.01-25 B	C611	87-010-177-080	C-CAP, S	820P-50 SL
C364	87-010-197-080	C-CAP, S	0.01-25 B	C612	87-010-177-080	C-CAP, S	820P-50 SL
C401	87-010-402-080	CAP, E	2.2-50 SME	C613	87-010-404-080	CAP, E	4.7-50 SME
C402	87-010-402-080	CAP, E	2.2-50 SME	C614	87-010-404-080	CAP, E	4.7-50 SME
C405	87-010-197-080	C-CAP, S	0.01-25 B	C615	87-010-400-080	CAP, E	0.47-50 SME
C406	87-010-197-080	C-CAP, S	0.01-25 B	C616	87-010-400-080	CAP, E	0.47-50 SME
C409	87-010-181-080	C-CAP, S	1800P-50 B	C617	87-010-197-080	C-CAP, S	0.01-25 B
C410	87-010-181-080	C-CAP, S	1800P-50 B	C618	87-010-197-080	C-CAP, S	0.01-25 B
C411	87-010-188-080	C-CAP, S	6800P-50 B	C619	87-010-184-080	C-CAP, S	3300P-50 B
C412	87-010-188-080	C-CAP, S	6800P-50 B	C620	87-010-184-080	C-CAP, S	3300P-50 B
C415	87-012-154-080	C-CAP, S	150P-50 CH	C621	87-012-155-080	C-CAP, S	180P-50 CH
C416	87-012-154-080	C-CAP, S	150P-50 CH	C622	87-012-155-080	C-CAP, S	180P-50 CH
C451	87-012-156-080	C-CAP, S	220P-50 CH	C623	87-010-405-080	CAP, E	10-50 SME
C452	87-012-156-080	C-CAP, S	220P-50 CH	C624	87-010-405-080	CAP, E	10-50 SME
C453	87-010-178-080	C-CAP, S	1000P-50 B	C630	87-010-405-080	CAP, E	10-50 SME
C454	87-010-178-080	C-CAP, S	1000P-50 B(HD)	C631	87-010-401-080	CAP, E	1-50 SME
C455	87-010-178-080	C-CAP, S	1000P-50 B(HD)	C640	87-010-196-080	C-CAP, S	0.1-25 F
C456	87-010-260-080	CAP, E	47-25 SME	C641	87-010-196-080	C-CAP, S	0.1-25 F
C457	87-010-197-080	C-CAP, S	0.01-25 B	C645	87-012-142-080	C-CAP, S	0.33-16 F
C458	87-010-183-080	C-CAP, S	2700P-50 B	C646	87-012-142-080	C-CAP, S	0.33-16 F
C459	87-010-183-080	C-CAP, S	2700P-50 B	C647	87-012-142-080	C-CAP, S	0.33-16 F
C460	87-010-183-080	C-CAP, S	2700P-50 B	C648	87-012-142-080	C-CAP, S	0.33-16 F
C470	87-010-196-080	C-CAP, S	0.1-25 F	C701	87-010-381-080	CAP, E	330-16 SME
C501	87-010-196-080	C-CAP, S	0.1-25 F	C702	87-010-404-080	CAP, E	4.7-50 SME
C502	87-010-196-080	C-CAP, S	0.1-25 F	C703	87-010-197-080	C-CAP, S	0.01-25 B
C503	87-012-155-080	C-CAP, S	180P-50 CH	C704	87-010-197-080	C-CAP, S	0.01-25 B
C504	87-012-155-080	C-CAP, S	180P-50 CH	C711	87-010-263-080	CAP, E	100-10
C507	87-010-178-080	C-CAP, S	1000P-50 B	C712	87-010-196-080	C-CAP, S	0.1-25 F
C508	87-010-178-080	C-CAP, S	1000P-50 B	C721	87-010-311-080	C-CAP, S	12P-50 CH(HD)
C509	87-010-371-080	CAP, E	470-6.3	C722	87-010-312-080	C-CAP, S	15P-50 CH(HS)
C515	87-010-545-080	CAP, E	0.22-50 SME	C722	87-010-313-080	C-CAP, S	18P-50 CH(HD)
C516	87-010-545-080	CAP, E	0.22-50 SME	C723	87-010-178-080	C-CAP, S	1000P-50 B
C517	87-012-142-080	C-CAP, S	0.33-16 F	C724	87-010-178-080	C-CAP, S	1000P-50 B
C518	87-012-142-080	C-CAP, S	0.33-16 F	C725	87-010-178-080	C-CAP, S	1000P-50 B
C519	87-010-196-080	C-CAP, S	0.1-25 F	C726	87-010-178-080	C-CAP, S	1000P-50 B
C521	87-010-197-080	C-CAP, S	0.01-25 B	C727	87-010-194-080	C-CAP, S	0.047-25 F
C522	87-010-318-080	C-CAP, S	47P-50 CH	C728	87-010-248-080	CAP, E	220-10 SME
C523	87-010-197-080	C-CAP, S	0.01-25 B	C732	87-010-197-080	C-CAP, S	0.01-25 B
C524	87-010-402-080	CAP, E	2.2-50 SME	C741	87-010-545-080	CAP, E	0.22-50 SME(HD)
C530	87-010-194-080	C-CAP, S	0.047-25 F	C742	87-010-198-080	C-CAP, S	0.022-25 B(HD)
C531	87-010-545-080	CAP, E	0.22-50 SME	C743	87-010-404-080	CAP, E	4.7-50 SME(HD)
C532	87-010-382-080	CAP, E	22-25 SME	C744	87-010-263-080	CAP, E	100-10(HD)
C533	87-010-404-080	CAP, E	4.7-50 SME	C745	87-010-545-080	CAP, E	0.22-50 SME(HD)
C534	87-010-404-080	CAP, E	4.7-50 SME	C746	87-010-545-080	CAP, E	0.22-50 SME(HD)
C535	87-010-404-080	CAP, E	4.7-50 SME	C747	87-010-197-080	C-CAP, S	0.01-25 B(HD)
C536	87-010-404-080	CAP, E	4.7-50 SME	C748	87-010-198-080	C-CAP, S	0.022-25 B(HD)
C537	87-010-196-080	C-CAP, S	0.1-25 F	C749	87-010-248-080	CAP, E	220-10 SME(HD)

REF. NO	PART NO.	カナリ NO.	DESCRIPTION	REF. NO	PART NO.	カナリ NO.	DESCRIPTION
C752	87-010-197-080		C-CAP, S 0.01-25 B(HD)	C904	87-010-184-080		C-CAP, S 3300P-50 B
C753	87-010-402-080		CAP, E 2.2-50 SME(HD)	C905	87-010-177-080		C-CAP, S 820P-50 SL
C754	87-010-313-080		C-CAP, S 18P-50 CH(HD)	C906	87-010-178-080		C-CAP, S 1000P-50 B
C770	87-010-197-080		C-CAP, S 0.01-25 B(HD)	C907	87-010-185-080		C-CAP, S 3900P-50 B
C771	87-010-405-080		CAP, E 10-50 SME	C909	87-010-175-080		C-CAP, S 560P-50 SL
C772	87-010-194-080		C-CAP, S 0.047-25 F	C910	87-010-176-080		C-CAP, S 680P-50 SL
C773	87-010-196-080		C-CAP, S 0.1-25 F	C911	87-010-196-080		C-CAP, S 0.1-25 F
C774	87-010-263-080		CAP, E 100-10	C918	87-010-186-080		C-CAP, S 4700P-50 B
C775	87-010-405-080		CAP, E 10-50 SME	C920	87-010-374-080		CAP, E 47-10
C776	87-010-197-080		C-CAP, S 0.01-25 B	C921	87-010-263-080		CAP, E 100-10
C777	87-010-400-080		CAP, E 0.47-50 SME	C922	87-010-196-080		C-CAP, S 0.1-25 F
C778	87-010-401-080		CAP, E 1-50 SME	C923	87-010-154-080		C-CAP, S 10P-50 CH
C779	87-010-401-080		CAP, E 1-50 SME	C924	87-010-154-080		C-CAP, S 10P-50 CH
C780	87-010-197-080		C-CAP, S 0.01-25 B	C944	87-010-311-080		C-CAP, S 12P-50 CH
C781	87-010-401-080		CAP, E 1-50 SME(HD)	C946	87-010-401-080		CAP, E 1-50 SME
C781	87-010-405-080		CAP, E 10-50 SME(HS)	C947	87-010-197-080		C-CAP, S 0.01-25 B
C782	87-010-401-080		CAP, E 1-50 SME(HD)	C948	87-010-401-080		CAP, E 1-50 SME
C782	87-010-405-080		CAP, E 10-50 SME(HS)	C950	87-010-322-080		C-CAP, S 100P-50 CH
C783	87-010-182-080		C-CAP, S 2200P-50 B(HD)	C981	87-018-134-080		CAP, TC-U 0.01-16 Y
C784	87-010-182-080		C-CAP, S 2200P-50 B(HD)	C983	87-010-544-080		CAP, E 0.1-50
C787	87-010-184-080		C-CAP, S 3300P-50 B	C984	87-010-196-080		C-CAP, S 0.1-25 F
C788	87-010-184-080		C-CAP, S 3300P-50 B	C985	87-010-196-080		C-CAP, S 0.1-25 F
C789	87-010-179-080		C-CAP, S 1200P-50 B	C986	87-010-196-080		C-CAP, S 0.1-25 F(HD)
C790	87-010-179-080		C-CAP, S 1200P-50 B	C987	87-010-197-080		C-CAP, S 0.01-25 B(HD)
C791	87-010-401-080		CAP, E 1-50 SME	C988	87-015-785-080		C-CAP, 0.1-25 F
C792	87-010-180-080		C-CAP, S 1500P-50 B	C989	87-018-134-080		CAP, TC-U 0.01-16 Y
C793	87-010-186-080		C-CAP, S 4700P-50 B(HD)	C990	87-010-197-080		C-CAP, S 0.01-25 B
C793	87-010-189-080		C-CAP, S 8200P-50 B(HS)	CF801	87-008-261-010		FLTR, SFE10.7MA5-A
C794	87-010-260-080		CAP, E 47-25 SME	CF802	87-008-261-010		FLTR, SFE10.7MA5-A
C795	87-010-194-080		C-CAP, S 0.047-25 F	D801	87-002-730-080		VARI-CAP, SVC203 SPA
C796	87-010-403-080		CAP, E 3.3-50 SME	D802	87-002-730-080		VARI-CAP, SVC203 SPA
C797	87-010-405-080		CAP, E 10-50 SME	D803	87-002-730-080		VARI-CAP, SVC203 SPA
C798	87-010-196-080		C-CAP, S 0.1-25 F	J250	87-049-855-010		JACK, 6.3 W/S
C799	87-010-382-080		CAP, E 22-25 SME(HD)	J253	87-099-475-010		JACK, PIN 3P BLK W/E
C802	87-010-154-080		C-CAP, S 10P-50 CH(HS)	J254	87-033-226-010		TERMINAL, SP 4P JT
C802	87-010-150-080		C-CAP, S 6P-50 CH(HD)	J652	80-MT3-616-010		JACK, PIN 2P
C804	87-010-151-080		C-CAP, S 7P-50 CH	J801	82-NF5-621-010		ANT TERM JBT0222
C805	87-010-150-080		C-CAP, S 6P-50 CH	L401	87-003-131-080		COIL, 10MH J
C806	87-010-145-080		C-CAP, S 1P-50 CH	L402	87-003-131-080		COIL, 10MH J
C807	87-010-154-080		C-CAP, S 10P-50 CH	L403	87-005-525-080		COIL, 22MH-J(HD)
C808	87-010-322-080		C-CAP, S 100P-50 CH	L403	82-231-622-080		COIL, 22MH-J(HS)
C809	87-010-197-080		C-CAP, S 0.01-25 B	L404	82-231-622-080		COIL, 22MH-J(HS)
C810	87-010-197-080		C-CAP, S 0.01-25 B	L404	87-005-525-080		COIL, 22MH-J(HD)
C811	87-010-149-080		C-CAP, S 5P-50 CH	L451	87-007-300-010		COIL, OSC BIAS 85K
C812	87-010-313-080		C-CAP, S 18P-50 CH(HS)	L701	81-631-643-010		COIL, 1 POLE MPX
C812	87-010-146-080		C-CAP, S 2P-50 CH(HD)	L702	81-631-643-010		COIL, 1 POLE MPX
C813	87-010-197-080		C-CAP, S 0.01-25 B	L703	87-003-050-080		COIL, 47UH(HD)
C814	87-010-197-080		C-CAP, S 0.01-25 B	L741	87-006-253-010		COIL, FM DET N
C816	87-010-197-080		C-CAP, S 0.01-25 B	L742	82-NT1-659-010		FLTR, CFAZ-450 2NT(HS)
C817	87-010-197-080		C-CAP, S 0.01-25 B	L742	82-NT1-684-010		FLTR, PCFMT-060 2NT(HD)
C818	87-010-197-080		C-CAP, S 0.01-25 B	L771	87-003-098-080		COIL, 2.2UH
C819	87-010-197-080		C-CAP, S 0.01-25 B	L801	87-006-249-010		COIL, ANT FM 3/4TS, L4
C820	87-010-260-080		CAP, E 47-25 SME	L802	87-006-254-010		COIL, ANT FM2-3/4TS, S(HS)
C821	87-010-197-080		C-CAP, S 0.01-25 B	L802	87-006-248-010		COIL, ANTFM3-3/4TS, L4(HD)
C822	87-010-197-080		C-CAP, S 0.01-25 B	L803	87-006-244-010		COIL, RF FM 3-1/2T, L4
C823	87-010-197-080		C-CAP, S 0.01-25 B	L804	87-006-250-010		COIL, RF FM 3-1/2, L4(HS)
C830	87-010-197-080		C-CAP, S 0.01-25 B	L804	87-006-247-010		COIL, RF FM4-1/2TS, L4(HD)
C831	87-010-154-080		C-CAP, S 10P-50 CH(HS)	L805	87-003-098-080		COIL, 2.2UH
C831	87-010-151-080		C-CAP, S 7P-50 CH(HD)	L806	87-008-427-010		COIL, FM IFT
C835	87-010-154-080		C-CAP, S 10P-50 CH(HS)	L807	87-006-205-010		COIL, OSC FM(7K)(HS)
C835	87-010-311-080		C-CAP, S 12P-50 CH(HD)	L807	87-006-232-010		COIL, OSC FM(7K)D, 3(HD)
C836	87-010-312-080		C-CAP, S 15P-50 CH(HS)	L832	87-003-098-080		COIL, 2.2UH
C836	87-010-314-080		C-CAP, S 22P-50 CH(HD)	L981	81-MX4-620-010		AM PACK 3, S
C837	87-010-312-080		C-CAP, S 15P-50 CH(HS)	R105	87-022-050-080		RES, M/F 0.22-1W
C837	87-010-314-080		C-CAP, S 22P-50 CH(HD)	R106	87-022-050-080		RES, M/F 0.22-1W
C840	87-010-197-080		C-CAP, S 0.01-25 B	R203	87-022-391-080		RES, M/F 0.47-1W J
C843	87-010-146-080		C-CAP, S 2P-50 CH	R204	87-022-391-080		RES, M/F 0.47-1W J
C901	87-010-401-080		CAP, E 1-50 SME	R243	87-022-391-080		RES, M/F 0.47-1W J
C902	87-010-178-080		C-CAP, S 1000P-50 B	R244	87-022-391-080		RES, M/F 0.47-1W J
C903	87-010-178-080		C-CAP, S 1000P-50 B	RY101	87-045-361-010		RELAY, DH12D2-OS(M)-2

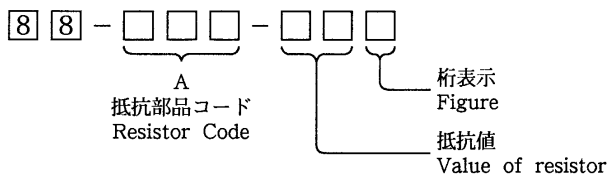
REF. NO	PART NO.	カソリ NO.	DESCRIPTION	REF. NO	PART NO.	カソリ NO.	DESCRIPTION
RY102	87-045-335-010		RELAY, G5Z-2A 12VDC	C650	87-010-260-040		CAP, E 47-25 SME
SFR301	87-024-349-080		SFR, 1K DIA6 H(HD)	C701	87-010-175-080		C-CAP, S 560P-50 SL
SFR301	87-024-168-080		SFR, 1K DIA6 V(HS)	C702	87-010-175-080		C-CAP, S 560P-50 SL
SFR302	87-024-349-080		SFR, 1K DIA6 H(HD)	C703	87-010-154-080		C-CAP, S 10P-50 CH
SFR302	87-024-168-080		SFR, 1K DIA6 V(HS)	C704	87-010-154-080		C-CAP, S 10P-50 CH
SFR351	87-024-349-080		SFR, 1K DIA6 H(HD)	C705	87-012-154-080		C-CAP, S 150P-50 CH
SFR351	87-024-168-080		SFR, 1K DIA6 V(HS)	C706	87-012-154-080		C-CAP, S 150P-50 CH
SFR352	87-024-349-080		SFR, 1K DIA6 H(HD)	C707	87-010-220-080		C-CAP, S 0.018-25 B
SFR352	87-024-168-080		SFR, 1K DIA6 V(HS)	C708	87-010-220-080		C-CAP, S 0.018-25 B
SFR401	87-024-349-080		SFR, 1K DIA6 H(HD)	C709	87-010-186-080		C-CAP, S 4700P-50 B
SFR401	87-024-168-080		SFR, 1K DIA6 V(HS)	C710	87-010-186-080		C-CAP, S 4700P-50 B
SFR402	87-024-349-080		SFR, 1K DIA6 H(HD)	C711	87-012-140-080		C-CAP, S 470P-50 CH
SFR402	87-024-168-080		SFR, 1K DIA6 V(HS)	C712	87-012-140-080		C-CAP, S 470P-50 CH
SFR451	87-024-356-080		SFR, 47K DIA6 H(HD)	C713	87-010-213-080		C-CAP, S 0.015-25 B
SFR451	87-024-175-080		SFR, 47K DIA6 V(HS)	C714	87-010-213-080		C-CAP, S 0.015-25 B
SFR452	87-024-356-080		SFR, 47K DIA6 H(HD)	C715	87-010-318-080		C-CAP, S 47P-50 CH
SFR452	87-024-175-080		SFR, 47K DIA6 V(HS)	C716	87-010-318-080		C-CAP, S 47P-50 CH
SFR722	87-024-352-080		SFR, 4.7K DIA6 H(HD)	C717	87-010-178-080		C-CAP, S 1000P-50 B
SFR722	87-024-171-080		SFR, 4.7K DIA6 V(HS)	C718	87-010-178-080		C-CAP, S 1000P-50 B
SFR771	87-024-354-080		SFR, 22K DIA6 H(HD)	C719	87-010-176-080		C-CAP, S 680P-50 SL
SFR771	87-024-173-080		SFR, 22K DIA6 V(HS)	C720	87-010-176-080		C-CAP, S 680P-50 SL
TC701	87-011-221-080		TRIMMER, 30P VCT51 (HS)	C721	87-010-402-040		CAP, E 2.2-50 SME
TC801	87-011-219-080		CAP TRIMMER 10P	C722	87-010-402-040		CAP, E 2.2-50 SME
TC802	87-011-219-080		CAP TRIMMER 10P	C729	87-010-263-040		CAP, E 100-10
VR651	83-NF5-639-010		VR, 50KBX2 RK14K12A0	C730	87-010-384-040		CAP, E 100-25 SME
W101	81-MX4-647-010		F-CABEL, 7P-2.5	FC101	83-NF5-632-010		CABLE FFC, 6P-1.25
X702	87-030-283-010		VIB, CER CSA3.60MGF N(HD)	FL101	83-NF5-630-010		FL, BJ238GK
X703	84-508-618-010		VIB, CER CSB 456 F15	FT102	82-NF5-651-010		CABLE FFC, 14P-1.25
X721	87-030-163-010		VIB, XTAL 7.2MHZ (NDK) (HS)	J601	82-NF7-630-010		JACK, 3.5 MO
X721	87-030-278-080		VIB, XTAL 7.2MHZ, S(HD)	J621	82-NF7-630-010		JACK, 3.5 MO
X901	87-030-348-080		VIB, CER 16.0MHZ CST	L201	87-003-152-080		COIL, 100UH
				L349	87-003-149-080		COIL, 47UH
FRONT C. B				LED401	87-017-784-080		LED, SEL1550CM TP8
				LED402	87-017-784-080		LED, SEL1550CM TP8
				LED403	87-017-784-080		LED, SEL1550CM TP8
C201	87-010-404-040		CAP, E 4.7-50 SME	LED404	87-017-784-080		LED, SEL1550CM TP8
C202	87-010-404-040		CAP, E 4.7-50 SME	LED405	87-017-784-080		LED, SEL1550CM TP8
C203	87-010-408-040		CAP, E 47-50 SME	LED406	87-017-784-080		LED, SEL1550CM TP8
C204	87-010-401-040		CAP, E 1-50 SME	LED407	87-017-731-080		LED, SEL1510CM2
C205	87-010-263-040		CAP, E 100-10	LED408	87-017-731-080		LED, SEL1510CM2
C206	87-010-248-040		CAP, E 220-10 SME	LED409	87-017-785-080		LED, SEL4214S
C207	87-010-401-040		CAP, E 1-50 SME	LED410	87-017-731-080		LED, SEL1510CM2
C208	87-010-805-080		C-CAP, S 1-16 F	LED411	87-017-731-080		LED, SEL1510CM2
C210	87-010-146-080		C-CAP, S 2P-50 CH	LED412	87-017-731-080		LED, SEL1510CM2
C212	87-010-405-040		CAP, E 10-50 SME	LED413	87-017-731-080		LED, SEL1510CM2
C213	87-010-196-080		C-CAP, S 0.1-25 F	LED414	87-017-731-080		LED, SEL1510CM2
C214	87-010-196-080		C-CAP, S 0.1-25 F	LED420	87-017-785-080		LED, SEL4214S
C215	87-010-196-080		C-CAP, S 0.1-25 F	LED421	87-017-731-080		LED, SEL1510CM2
C242	87-010-305-080		C-CAP, 470P-50 CH	LED422	87-017-785-080		LED, SEL4214S
C352	87-010-197-080		C-CAP, S 0.01-25 B	LED423	87-017-785-080		LED, SEL4214S
C381	87-010-196-080		C-CAP, S 0.1-25 F	S301	87-036-215-080		SW, TACT EVQ-21404M
C382	87-010-196-080		C-CAP, S 0.1-25 F	S302	87-036-215-080		SW, TACT EVQ-21404M
C383	87-010-196-080		C-CAP, S 0.1-25 F	S303	87-036-215-080		SW, TACT EVQ-21404M
C389	87-010-150-080		C-CAP, S 6P-50 CH	S304	87-036-215-080		SW, TACT EVQ-21404M
C401	87-010-196-080		C-CAP, S 0.1-25 F	S305	87-036-215-080		SW, TACT EVQ-21404M
C501	87-010-384-040		CAP, E 100-25 SME	S306	87-036-215-080		SW, TACT EVQ-21404M
C604	87-010-183-080		C-CAP, S 2700P-50 B	S307	87-036-215-080		SW, TACT EVQ-21404M
C606	87-010-401-040		CAP, E 1-50 SME	S308	87-036-215-080		SW, TACT EVQ-21404M
C607	87-012-140-080		C-CAP, S 470P-50 CH	S309	87-036-215-080		SW, TACT EVQ-21404M
C608	87-010-405-040		CAP, E 10-50 SME	S310	87-036-215-080		SW, TACT EVQ-21404M
C609	87-010-196-080		C-CAP, S 0.1-25 F	S321	87-036-215-080		SW, TACT EVQ-21404M
C610	87-012-145-080		C-CAP, S 270P-50 CH	S322	87-036-215-080		SW, TACT EVQ-21404M
C613	87-010-805-080		C-CAP, S 1-16 F	S323	87-036-215-080		SW, TACT EVQ-21404M
C624	87-010-183-080		C-CAP, S 2700P-50 B	S324	87-036-215-080		SW, TACT EVQ-21404M
C626	87-010-401-040		CAP, E 1-50 SME	S325	87-036-215-080		SW, TACT EVQ-21404M
C627	87-012-140-080		C-CAP, S 470P-50 CH	S326	87-036-215-080		SW, TACT EVQ-21404M
C630	87-010-405-040		CAP, E 10-50 SME	S327	87-036-215-080		SW, TACT EVQ-21404M
C640	87-010-405-040		CAP, E 10-50 SME	S328	87-036-215-080		SW, TACT EVQ-21404M
C645	87-010-263-040		CAP, E 100-10	S329	87-036-215-080		SW, TACT EVQ-21404M
C646	87-010-196-080		C-CAP, S 0.1-25 F	S330	87-036-215-080		SW, TACT EVQ-21404M

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
S331	87-036-215-080		SW, TACT EVQ-21404M	C121	87-010-197-080		C-CAP, S 0.01-25 B
S332	87-036-215-080		SW, TACT EVQ-21404M	C122	87-010-196-080		C-CAP, S 0.1-25 F
S341	87-036-215-080		SW, TACT EVQ-21404M	C201	87-012-153-080		C-CAP, S 120P-50 CH
S342	87-036-215-080		SW, TACT EVQ-21404M	C202	87-012-153-080		C-CAP, S 120P-50 CH
S343	87-036-215-080		SW, TACT EVQ-21404M	C203	87-012-153-080		C-CAP, S 120P-50 CH
S344	87-036-215-080		SW, TACT EVQ-21404M	C204	87-012-153-080		C-CAP, S 120P-50 CH
S345	87-036-215-080		SW, TACT EVQ-21404M	C205	87-012-153-080		C-CAP, S 120P-50 CH
S346	87-036-215-080		SW, TACT EVQ-21404M	C206	87-012-153-080		C-CAP, S 120P-50 CH
S347	87-036-215-080		SW, TACT EVQ-21404M	C207	87-012-153-080		C-CAP, S 120P-50 CH
S348	87-036-215-080		SW, TACT EVQ-21404M	C208	87-012-153-080		C-CAP, S 120P-50 CH
VR601	82-NK7-616-010		VR, 10KB RK11K1130	C209	87-012-153-080		C-CAP, S 120P-50 CH
VR602	82-NK7-615-010		VR, 10KA RK11K1130	C210	87-012-153-080		C-CAP, S 120P-50 CH
X201	87-030-345-080		VIB, CER CST 5.76MGW	C211	87-010-401-080		CAP, E 1-50 SME
				C212	87-010-401-080		CAP, E 1-50 SME
				C213	87-010-186-080		C-CAP, S 4700P-50 B
				C214	87-010-186-080		C-CAP, S 4700P-50 B
				C231	87-010-263-080		CAP, E 100-10
				C232	87-010-263-080		CAP, E 100-10
				C301	87-010-178-080		C-CAP, S 1000P-50 B
				C304	87-010-197-080		C-CAP, S 0.01-25 B
				C305	87-010-260-080		CAP, E 47-25 SME
				C306	87-012-141-080		C-CAP, S 0.22-16 F
				C307	87-010-178-080		C-CAP, S 1000P-50 B
				C308	87-010-178-080		C-CAP, S 1000P-50 B
				C801	87-010-197-080		C-CAP, S 0.01-25 B
				C802	87-010-260-080		CAP, E 47-25 SME
				C803	87-010-405-080		CAP, E 10-50 SME
				C804	87-010-405-080		CAP, E 10-50 SME
				C805	87-010-405-080		CAP, E 10-50 SME
				C806	87-010-197-080		C-CAP, S 0.01-25 B
				C807	87-010-313-080		C-CAP, S 18P-50 CH
				C808	87-010-313-080		C-CAP, S 18P-50 CH
				C809	87-010-314-080		C-CAP, S 22P-50 CH
				C810	87-010-313-080		C-CAP, S 18P-50 CH
				C811	87-010-401-080		CAP, E 1-50 SME
				C812	87-010-197-080		C-CAP, S 0.01-25 B
				C813	87-010-260-080		CAP, E 47-25 SME
				C814	87-010-248-080H		CAP, E 220-10 SME
				C815	87-010-196-080		C-CAP, S 0.1-25 F
				C816	87-010-260-080		CAP, E 47-25 SME
				C817	87-010-260-080		CAP, E 47-25 SME
				C818	87-010-197-080		C-CAP, S 0.01-25 B
				C819	87-010-196-080		C-CAP, S 0.1-25 F
				C820	87-010-196-080		C-CAP, S 0.1-25 F
				C822	87-012-140-080		C-CAP, S 470P-50 CH
				EM1801	87-008-474-080		F-BEAD, EMI BL02RN1
				EM1802	87-008-474-080		F-BEAD, EMI BL02RN1
				J801	87-009-502-010		JACK, PIN 1P Y EARTH
				L1	87-003-295-080		COIL, 10UH
				L801	87-003-149-080		COIL, 47UH
				M301	87-045-305-010		MOT, RF-500TB
				SFR1	87-024-176-080		SFR, 100K DIA6 V
				SFR2	87-024-173-080		SFR, 22K DIA6 V
				SFR3	87-024-176-080		SFR, 100K DIA6 V
				W301	83-NF5-631-010		F-CABLE, 6-2.0 300
				W501	83-NF5-644-010		F-CABLE, 2-2.0 230
				X101	87-030-227-080		VIB, XTAL 33.8688MHZ
				X801	80-JUC-604-080		VIB, XTAL17.734475MHZ
				X802	80-JUC-603-080		VIB, XTAL 14.31818MHZ
ECHO/DSP C. B							
				C901	87-010-248-040		CAP, E 220-10 SME
				C902	87-010-384-040		CAP, E 100-25 SME
				C903	87-010-186-080		C-CAP, S 4700P-50 B
				C904	87-010-322-080		C-CAP, S 100P-50 CH
				C905	87-010-401-040		CAP, E 1-50 SME
				C906	87-010-187-080		C-CAP, S 5600P-50 B
				C907	87-010-193-080		C-CAP, S 0.033-25 F
				C908	87-010-544-040		CAP, E 0.1-50 SME

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C909	87-010-188-080		C-CAP, S 6800P-50 B	MOTOR-1 C. B			
C910	87-012-365-080		C-CAP, S 0.027-25V BK	M302	87-045-305-010		MOT, RF-500TB
C911	87-010-263-040		CAP, E 100-10	U/D SW C. B			
C912	87-010-196-080		C-CAP, S 0.1-25 F	SW601	87-036-271-010		SW, LVR 1-2-2 (*)
C913	87-010-316-080		C-CAP, S 33P-50 CH	OPEN SW C. B			
C914	87-010-177-080		C-CAP, S 820P-50 SL	SW602	87-036-271-010		SW, LVR 1-2-2 (*)
C915	87-010-316-080		C-CAP, S 33P-50 CH	CLOSE SW C. B			
C916	87-010-177-080		C-CAP, S 820P-50 SL	SW701	87-036-109-010		SW, PUSH SPPB 61
C917	87-010-179-080		C-CAP, S 1200P-50 B	LED C. B			
C918	87-010-196-080		C-CAP, S 0.1-25 F	LED902	87-017-806-010		LED, SEL1810DM
C919	87-010-260-040		CAP, E 47-25 SME	LED903	87-017-350-080		LED, SEL1550CM
C920	87-010-400-040		CAP, E 0.47-50 SME	LED904	87-017-350-080		LED, SEL1550CM
C921	87-010-400-040		CAP, E 0.47-50 SME	LED905	87-017-806-010		LED, SEL1810DM
C922	87-010-196-080		C-CAP, S 0.1-25 F	MOTOR-2 C. B			
C923	87-010-187-080		C-CAP, S 5600P-50 B	M2	9X-262-513-210		SLED MOTOR
C924	87-010-179-080		C-CAP, S 1200P-50 B	SW1	91-572-085-110		LEAF SW
C925	87-010-198-080		C-CAP, S 0.022-25 B	AC2 C. B			
C926	87-010-196-080		C-CAP, S 0.1-25 F	△	83-NF5-603-010		PT, 3NF-5 HD<HD>
C927	87-010-181-080		C-CAP, S 1800P-50 B	△	83-NF5-606-010		PT, 3NF-5 HE<HS>
C928	87-010-181-080		C-CAP, S 1800P-50 B	R101	87-022-391-080		RES, M/F 0.47-1W J<HD>
C929	87-010-382-040		CAP, E 22-25 SME	R101	87-022-537-080		RES, NF 0.68-1/2W J<HS>
C941	87-010-197-080		C-CAP, S 0.01-25 B	R102	87-022-537-080		RES, NF 0.68-1/2W J<HS>
C942	87-010-197-080		C-CAP, S 0.01-25 B	DECK-1 C. B			
C960	87-010-260-040		CAP, E 47-25 SME	SOL1	82-ZM1-618-310		SOL ASSY, 27
C981	87-010-401-040		CAP, E 1-50 SME	SW4	87-036-110-010		SW, PUSH SPPB 62
C982	87-010-401-040		CAP, E 1-50 SME	SW5	87-036-110-010		SW, PUSH SPPB 62
L901	87-005-490-080		COIL, 270UH J FLR50	SW6	87-036-110-010		SW, PUSH SPPB 62
MVR C. B				DECK-2 C. B			
C735	87-010-402-040		CAP, E 2.2-50 SME	SFR1	87-024-170-080		SFR, 3.3K DIA6 V
C736	87-010-402-040		CAP, E 2.2-50 SME	SOL2	82-ZM1-618-310		SOL ASSY, 27
C738	87-010-370-040		CAP, E 330-6.3 SME	SW2	87-036-110-010		SW, PUSH SPPB 62
C741	87-010-192-080		C-CAP, S 0.022-50 F	SW3	87-036-110-010		SW, PUSH SPPB 62
C745	87-016-073-040		CAP, E 1-50 FX	SW4	87-036-110-010		SW, PUSH SPPB 62
C746	87-016-073-040		CAP, E 1-50 FX	SW5	87-036-110-010		SW, PUSH SPPB 62
C747	87-010-401-040		CAP, E 1-50 SME	SW6	87-036-110-010		SW, PUSH SPPB 62
C748	87-010-401-040		CAP, E 1-50 SME	RELAY-1 C. B			
C750	87-010-384-040		CAP, E 100-25 SME	RELAY-2 C. B			
C751	87-010-401-040		CAP, E 1-50 SME	AC1 C. B			
C752	87-010-401-040		CAP, E 1-50 SME	△	87-033-147-010		CLAMP, FUSE<HD>
C757	87-010-401-040		CAP, E 1-50 SME	△	87-036-235-010		SW, SLIDE ESD269<HD>
C773	87-010-400-040		CAP, E 0.47-50 SME	△	82-304-743-010		TERMINAL, 1P
C777	87-010-403-040		CAP, E 3.3-50 SME	△ F101	87-035-415-010		FUSE, T2. 5A 250V UL<HD>
C778	87-010-403-040		CAP, E 3.3-50 SME	KEY C. B			
C797	87-010-401-040		CAP, E 1-50 SME	C351	87-010-197-080		C-CAP, S 0.01-25 B
MVR741	81-MT3-630-010		VOL, 50KBX2 (M)	LED415	87-002-787-080		LED, SEL 6215S RED
KEY C. B				LED416	87-002-787-080		LED, SEL 6215S RED
C351	87-010-197-080		C-CAP, S 0.01-25 B	LED417	87-002-787-080		LED, SEL 6215S RED
LED415	87-002-787-080		LED, SEL 6215S RED	S349	87-036-215-080		SW, TACT EVQ-21404M
LED416	87-002-787-080		LED, SEL 6215S RED	S350	87-036-215-080		SW, TACT EVQ-21404M
LED417	87-002-787-080		LED, SEL 6215S RED	S351	87-036-215-080		SW, TACT EVQ-21404M
S349	87-036-215-080		SW, TACT EVQ-21404M	S352	87-036-215-080		SW, TACT EVQ-21404M
S350	87-036-215-080		SW, TACT EVQ-21404M	S353	87-036-215-080		SW, TACT EVQ-21404M
S351	87-036-215-080		SW, TACT EVQ-21404M	SNSR C. B			
S352	87-036-215-080		SW, TACT EVQ-21404M	PH401	87-026-573-010		P-SNSR GP1S53V (*)
S353	87-036-215-080		SW, TACT EVQ-21404M				

○ 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

TRANSISTOR ILLUSTRATION



ECB

2SA952 2SC3266
2SA1015 2SC3331
2SA1296 2SD655
2SA1318 KTA1266
2SC1815 KTC3198



SGD

2SK246



ECB

2SA933S
DTA114YS
DTA144ES
DTC114YS



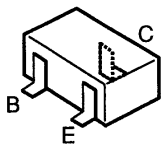
DGS

2SK365

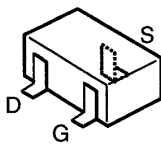


BCE

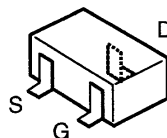
2SB1329R



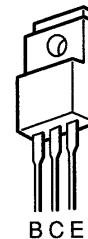
2SA1162 DTC114YK
2SC2712 DTC143XK
2SC2714 DTC144EK
2SC3326 UN211E
DTA114TK UN211L
DTA143EK UN2115
DTA144EK UN2213
DTA144WK UN2214



2SK302



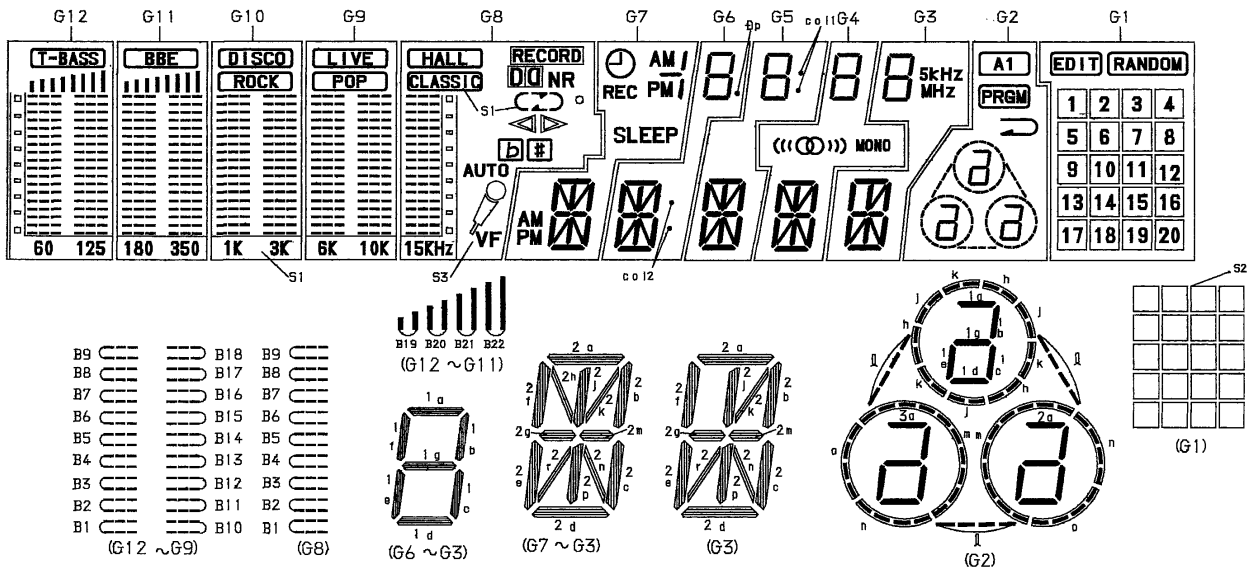
2SK543



2SB1370

FL (BJ238GK) GRID ASSIGNMENT / ANODE CONNECTION

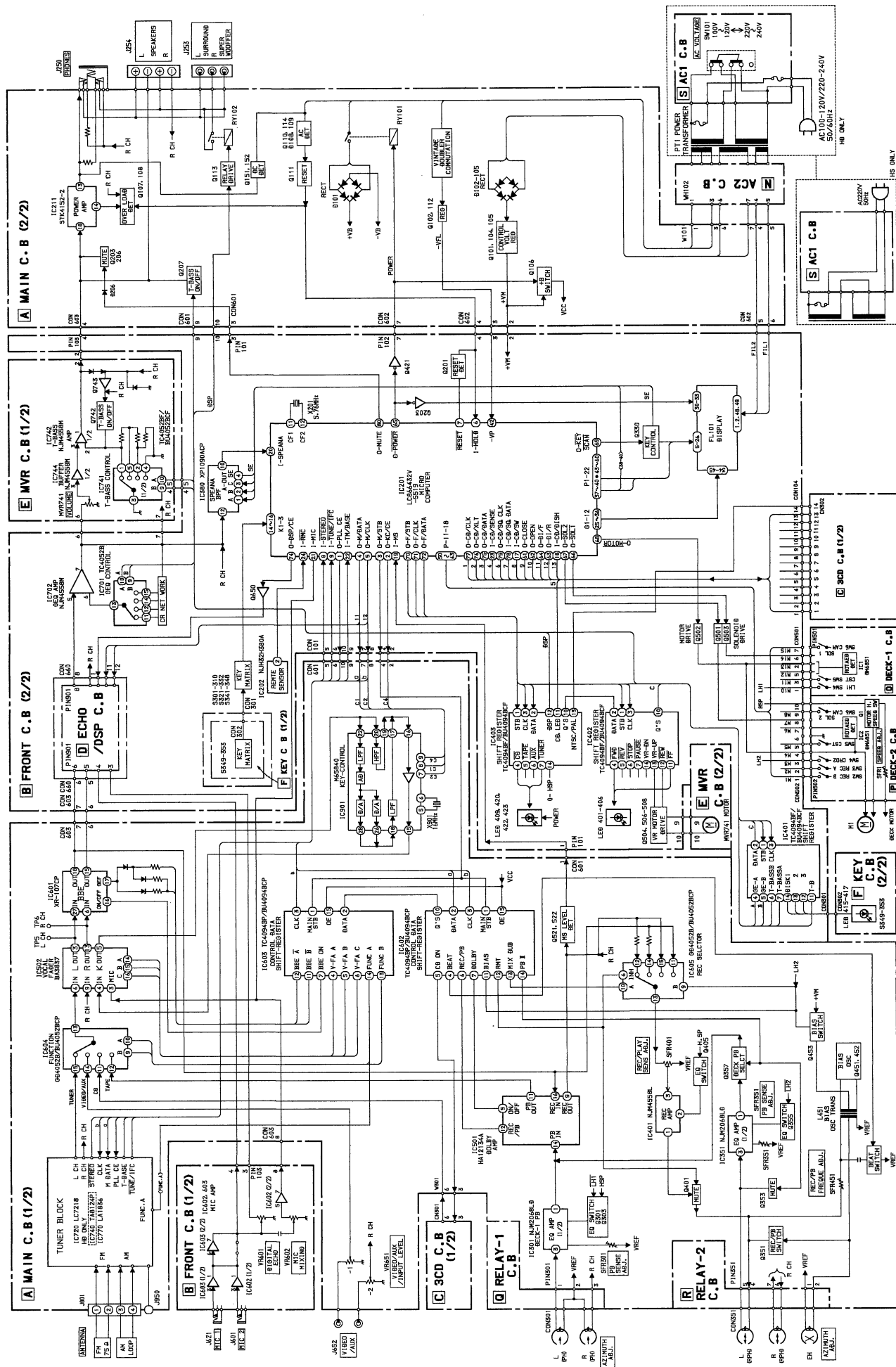
GRID ASSIGNMENT

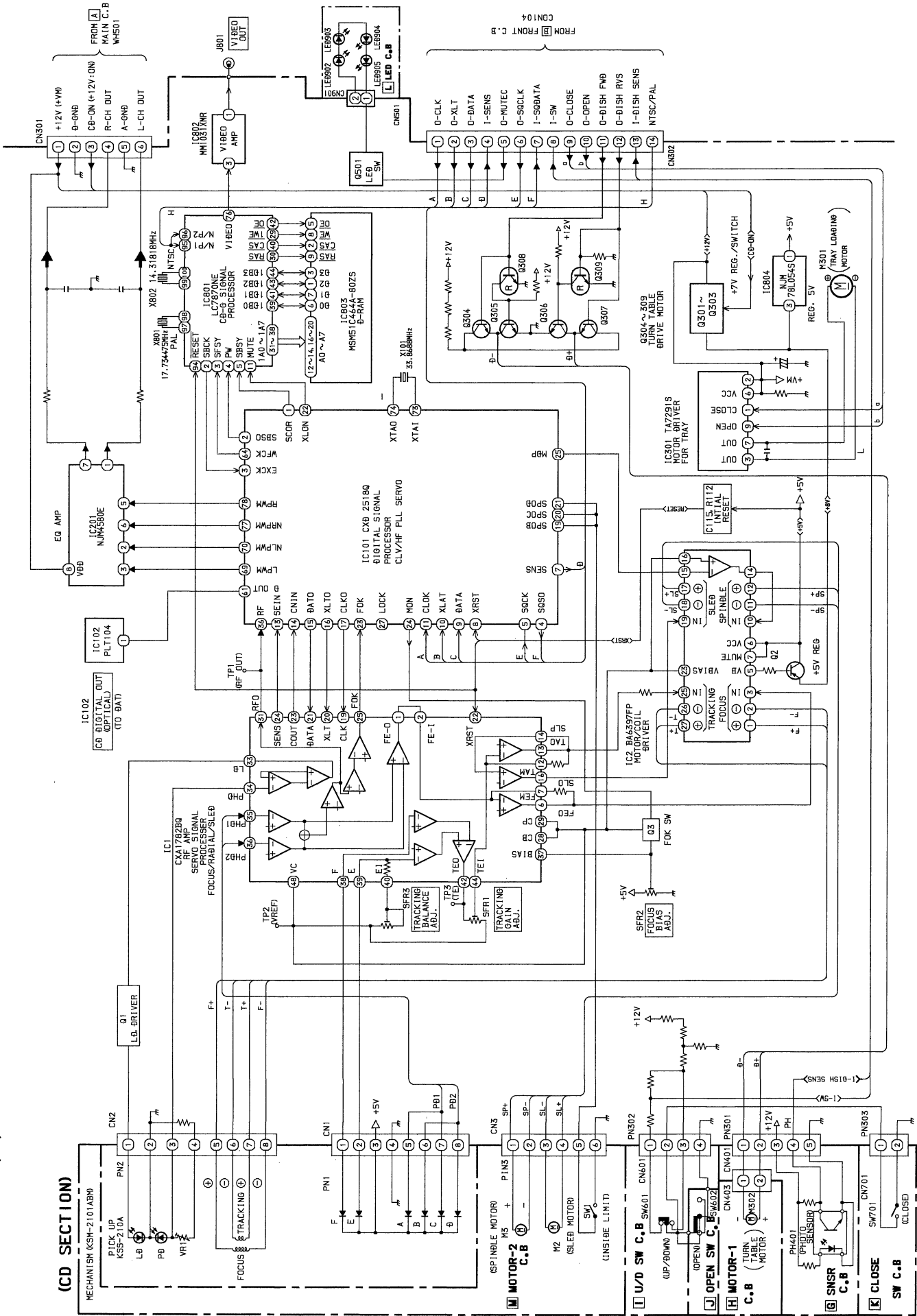


ANODE CONNECTION

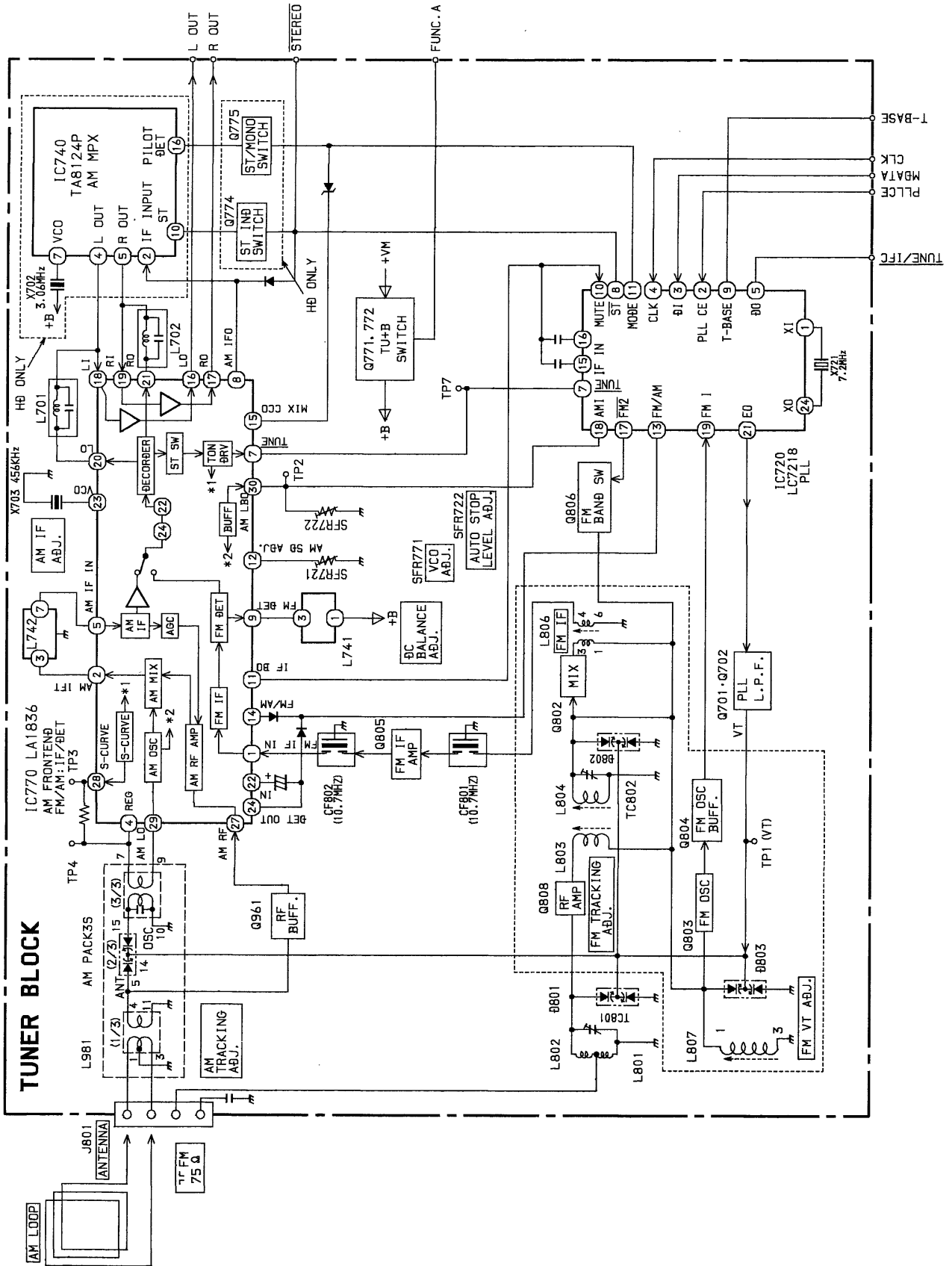
	G12	G11	G10	G9	G8	G7	G6	G5	G4	G3	G2	G1
P1	B10	B10	B10	B10	S3	2d	2d	2d	2d	2d	n	20
P2	B1	B1	B1	B1	B1	2j, 2p	2j, 2p	2j, 2p	2j, 2p	2j, 2p	o	19
P3	B11	B11	B11	B11	AUTO	2n	2n	2n	2n	2n	3e	18
P4	B2	B2	B2	B2	B2	2r	2r	2r	2r	2r	3c	17
P5	B12	B12	B12	B12	(b)	2c	2c	2c	2c	2c	3a, 3d, 3g	16
P6	B3	B3	B3	B3	B3	2e	2e	2e	2e	2e	3b	15
P7	B13	B13	B13	B13	(#)	2m	2m	2m	2m	2m	2e	14
P8	B4	B4	B4	B4	B4	2g	2g	2g	2g	2g	2c	13
P9	B5	B5	B5	B5	B5	2f	2f	2f	2f	2f	2a, 2d, 2g	12
P10	B15	B15	B15	B15	▷	2b	2b	2b	2b	2b	l	11
P11	B6	B6	B6	B6	B6	2k	2k	2k	2k	2k	j	10
P12	B16	B16	B16	B16	◁	2h	2h	2h	2h	2h	MHZ	9
P13	B7	B7	B7	B7	B7	2a	2a	2a	2a	2a	k	8
P14	B14	B14	B14	B14	∪	PM [DOWN]	col 2	col 1 [UP]	MONO	KHZ	2b	7
P15	B17	B17	B17	B17	∩	AM [DOWN]	∅p	col 1 [DOWN]	((∅))	5	1e	6
P16	B8	B8	B8	B8	B8	SLEEP	1d	1d	1d	1d	1a, 1d, 1g	5
P17	B18	B18	B18	B18	o	REC	1e	1e	1e	1e	1c	4
P18	B9	B9	B9	B9	B9	PM [UP]	1c	1c	1c	1c	1b	3
P19	B19 (T-BASS)	B19 (BBE)	(ROCK)	(POP)	(DQ NR)	AM [UP]	1q	1q	1q	1q	m	2
P20	B20	B20	(DISCO)	(LIVE)	(RECORD)	—	1f	1f	1f	1f	(A)	1
P21	B21	B21	—	—	(CLASSIC)	/	1b	1b	1b	1b	(EDIT)	
P22	B22	B22	—	—	(HALL)	⌚	1a	1a	1a	1a	(PRGM)	(RANDOM)
ST1	S1 T-BASS	S1	S1 ROCK	S1 POP	S1	—	—	—	—	—	—	S2
ST2	—	BBE	—	—	—	—	—	—	—	—	—	—
ST3	—	—	DISCO	LIVE	HALL	—	—	—	—	—	—	—
ST4	—	—	—	—	b #	—	—	—	—	—	—	—

BLOCK DIAGRAM - 1 (MAIN/FRONT)

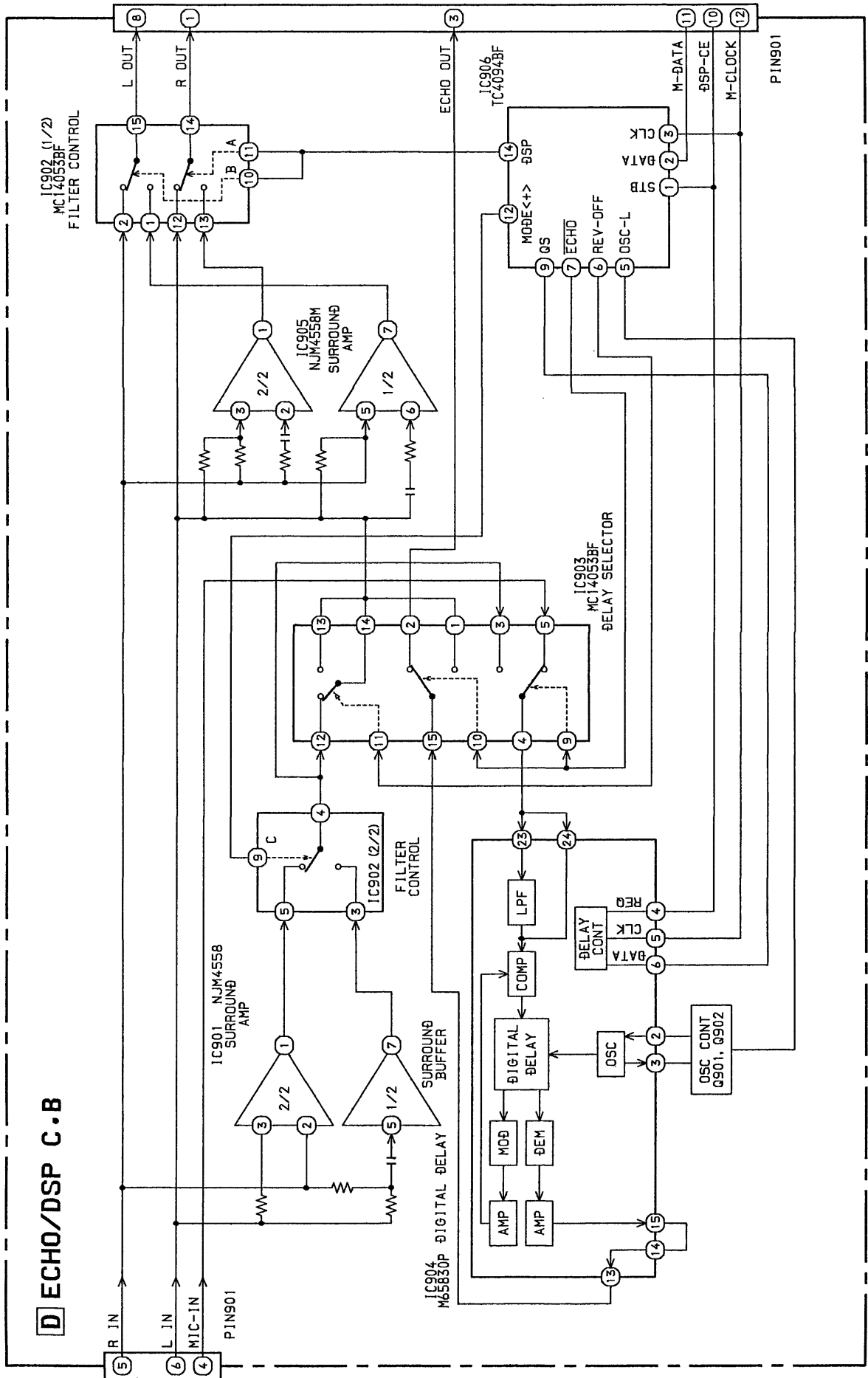




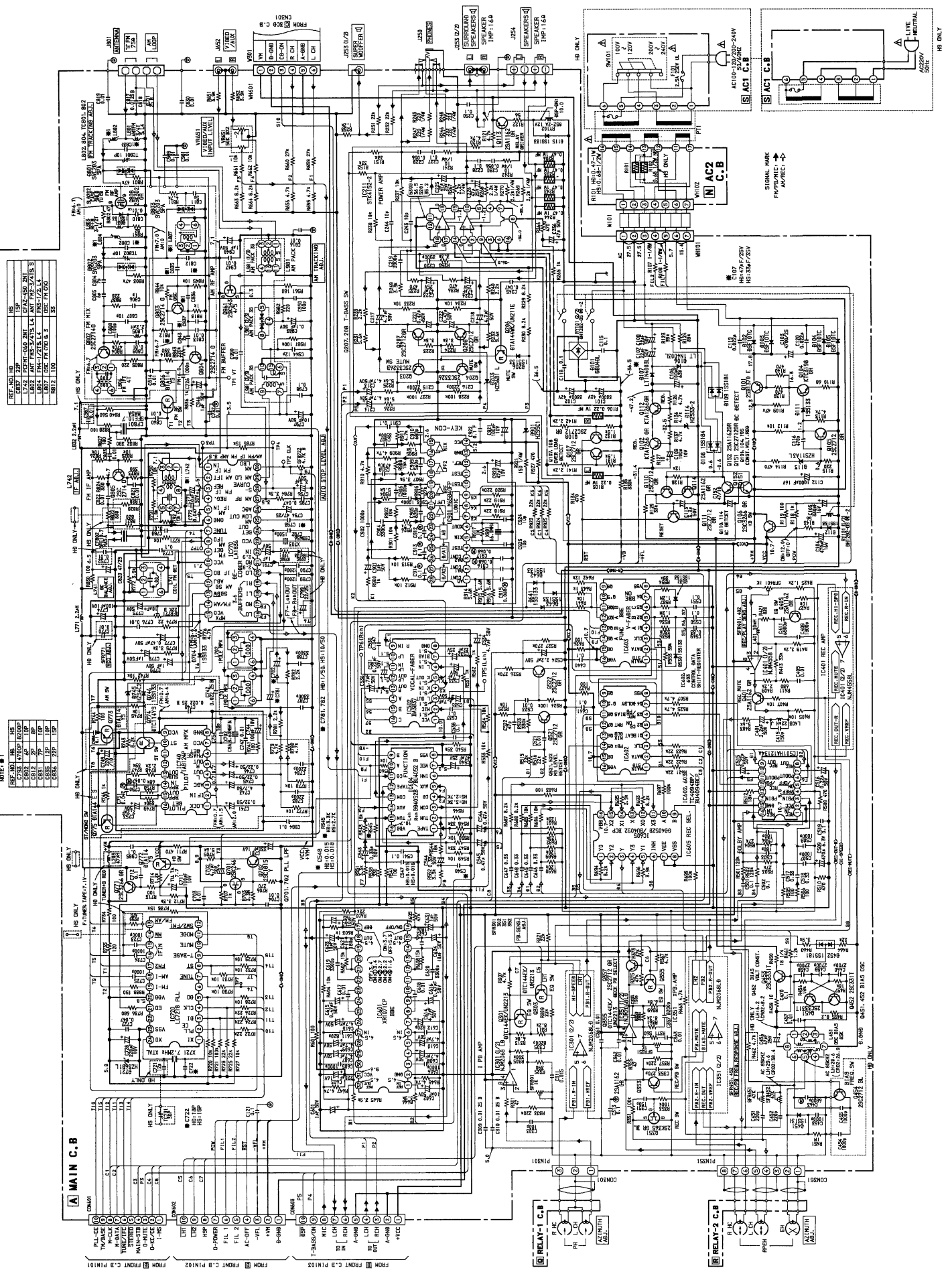
BLOCK DIAGRAM - 3 (TUNER)



BLOCK DIAGRAM - 4 (ECHO/DSP)

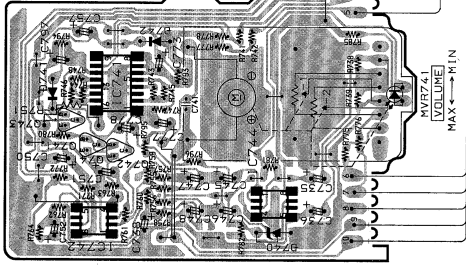


SCHEMATIC DIAGRAM - 1 (MAIN)

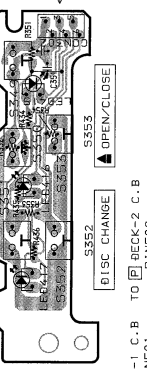


1 2 3 4 5 6 7 8 9 10 11 12 13 14

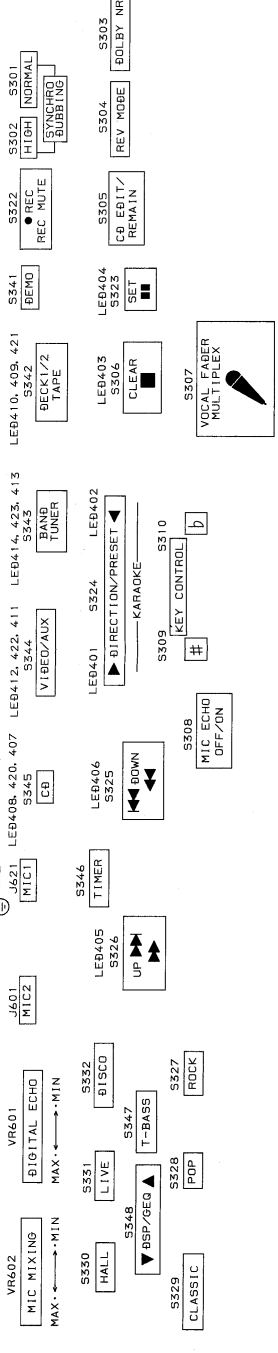
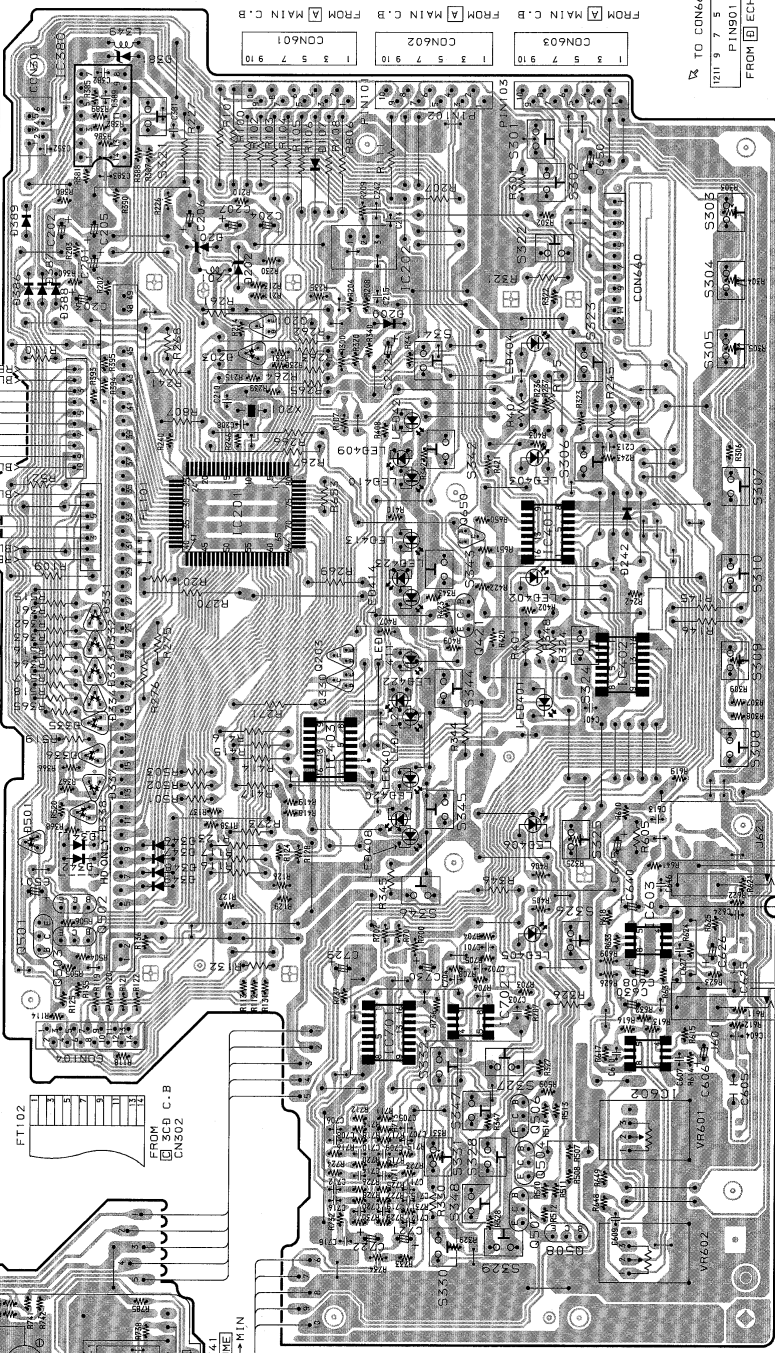
E MVR C.B



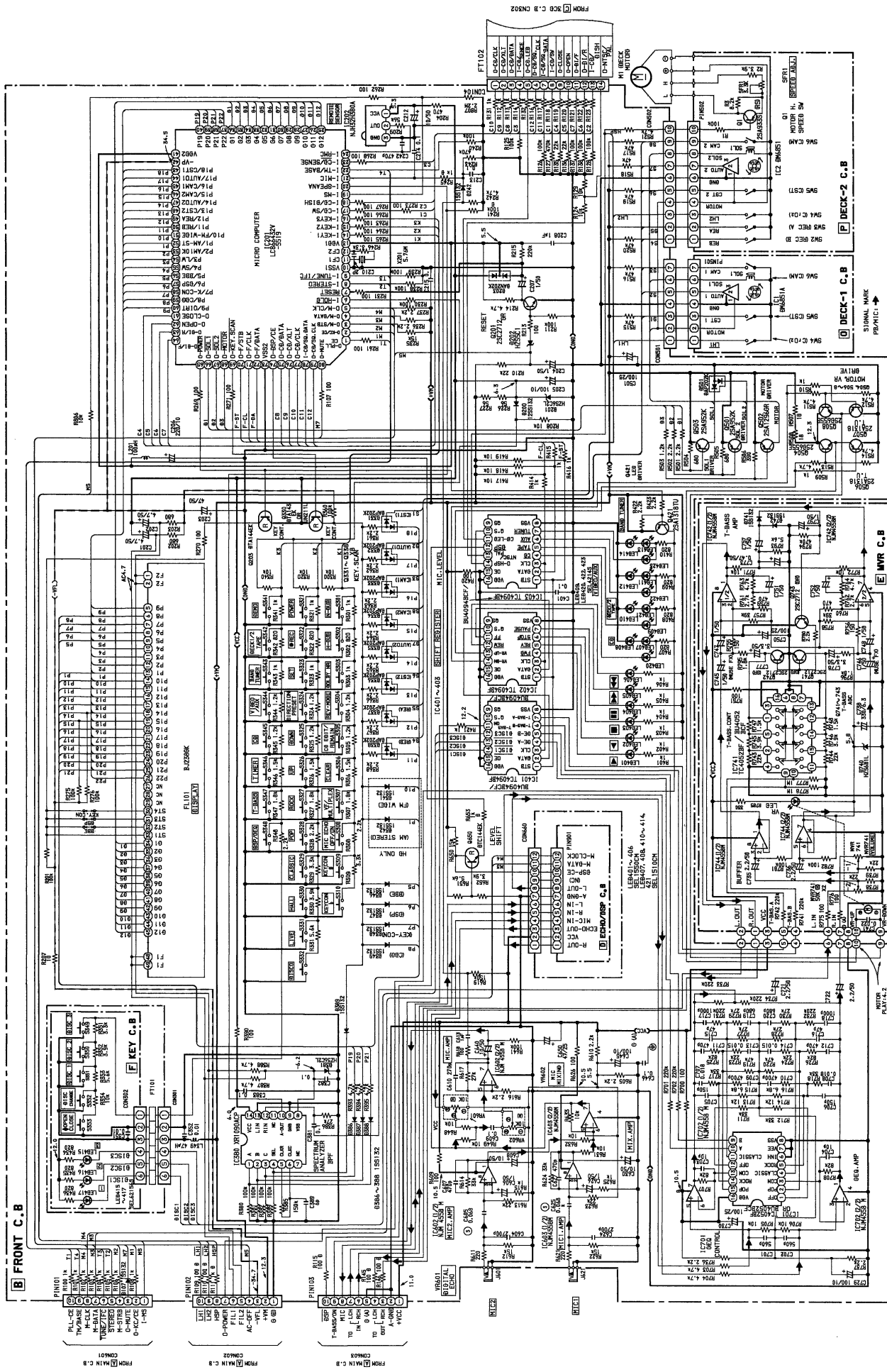
F KEY C.B



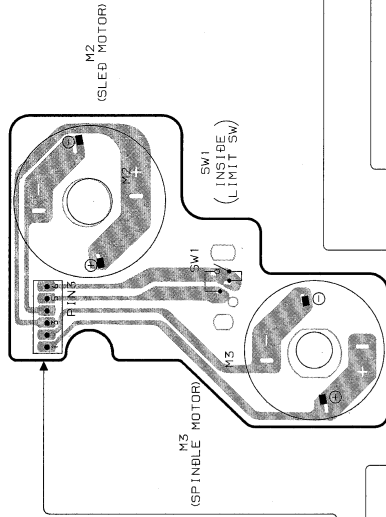
B FRONT C.B



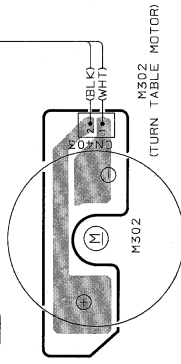
SCHEMATIC DIAGRAM - 2 (FRONT)



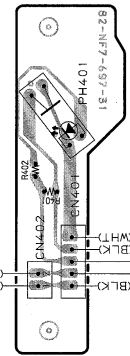
M MOTOR-2 C.B



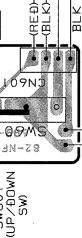
H MOTOR-1 C.B



G SNRSR C.B



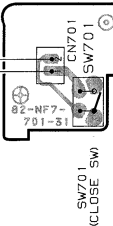
I U/D SW C.B



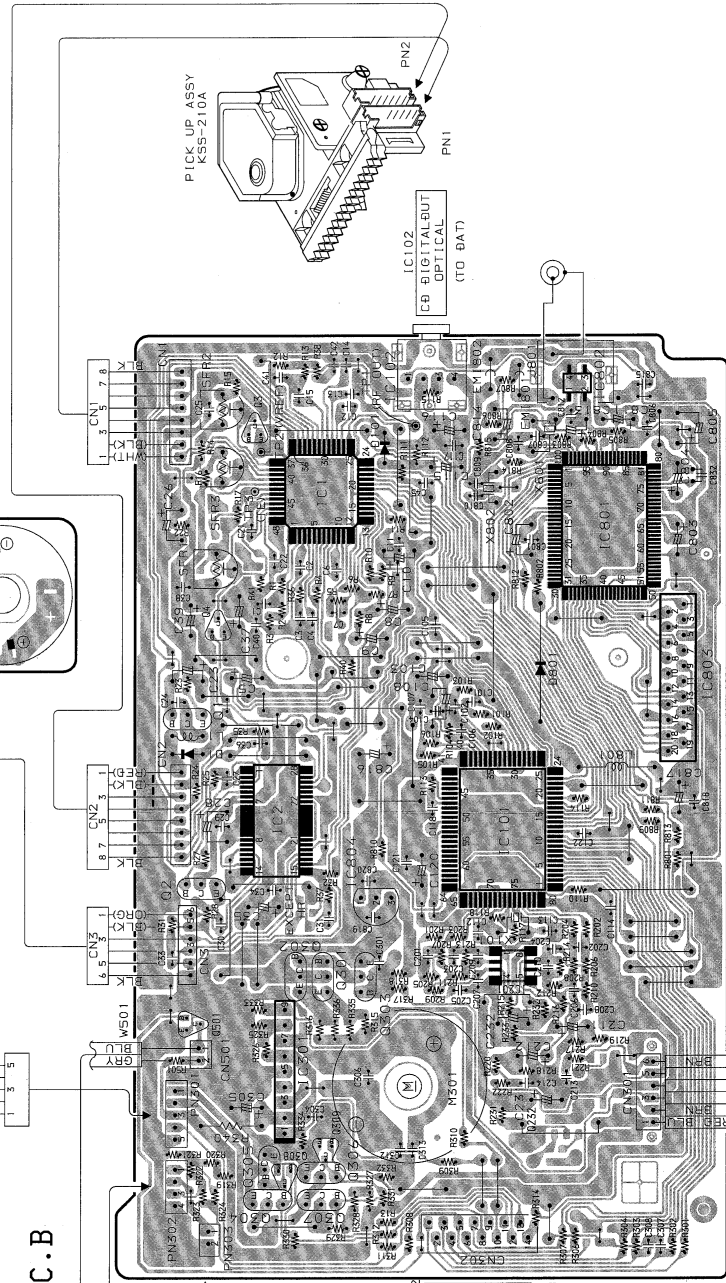
J OPEN SW C.B



K CLOSE SW C.B



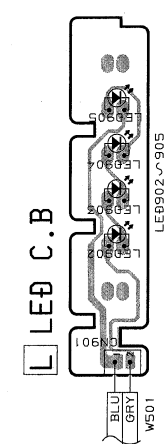
C 3CD C.B

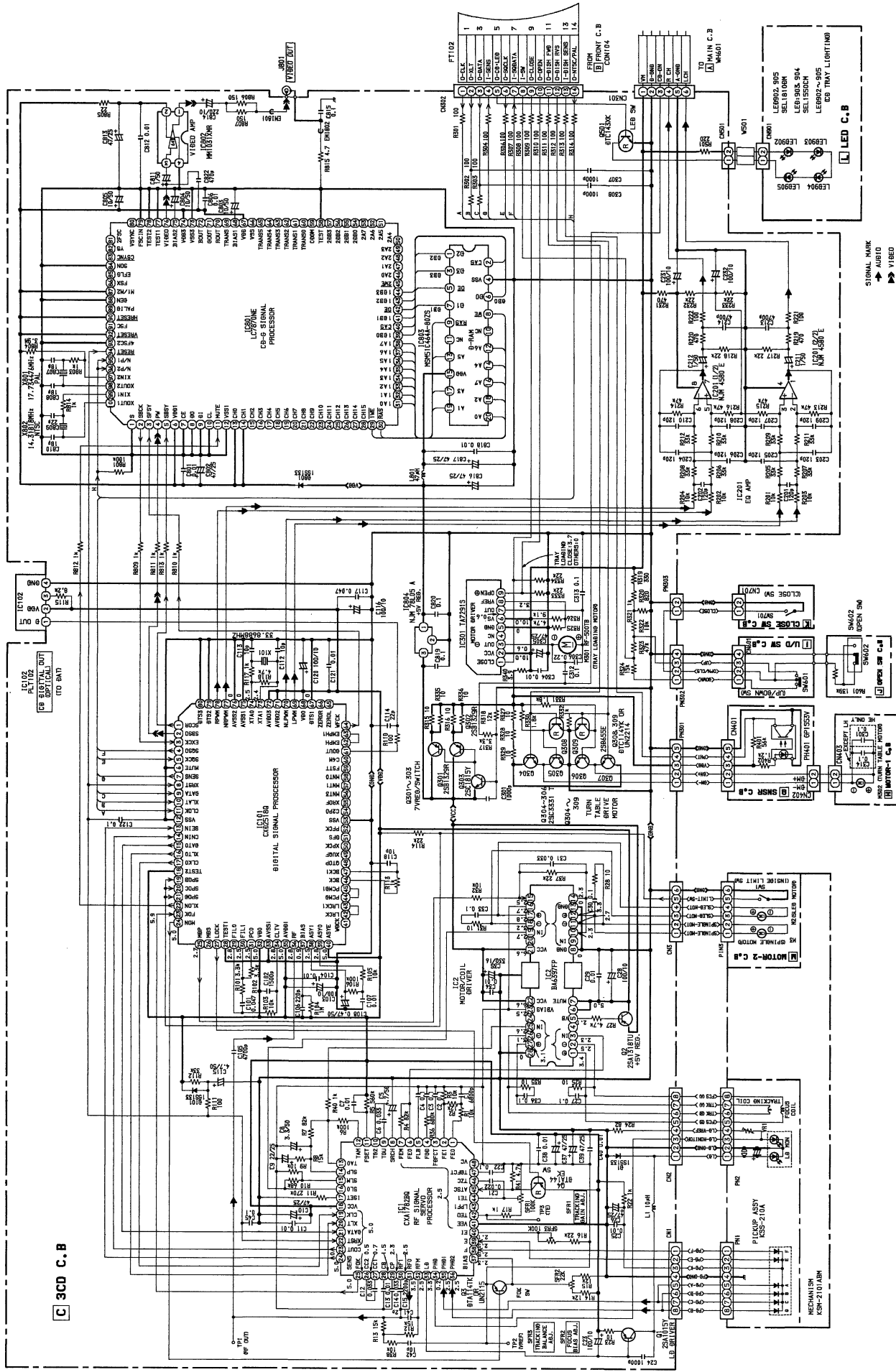


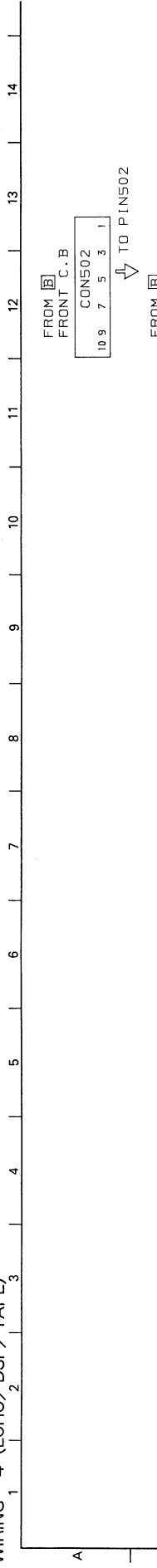
PICK UP ASSY KSS-210A

IC102 CB DIGITAL-BUT OPTICAL (TO DAT)

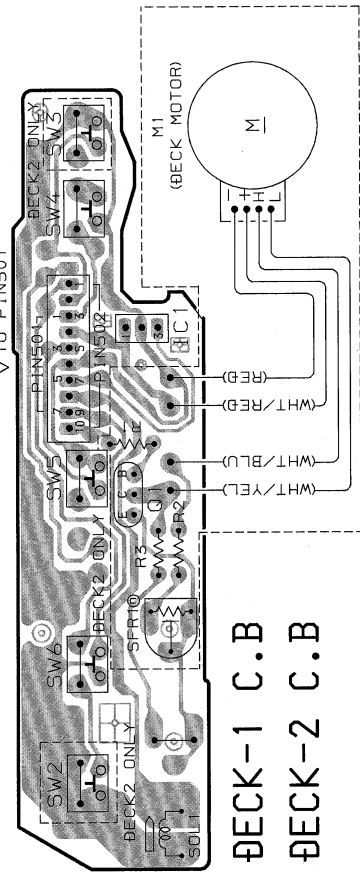
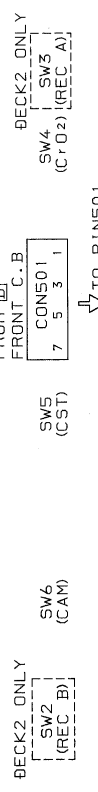
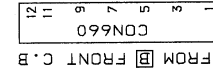
L LED C.B





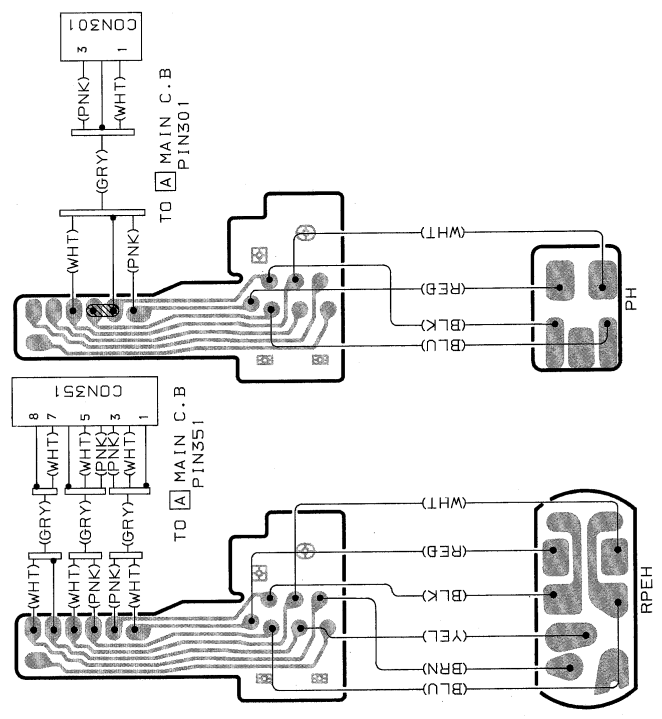


D ECHO/DSP C.B



O DECK-1 C.B
P DECK-2 C.B

R RELAY-2 C.B **Q RELAY-1 C.B**



IC DESCRIPTION

IC,LC7870E

Pin No.	Pin Name	I/O	Description
1	S	I	Connected to GND.
2	SBCK	O	Subcode read-out/write-in clock.
3	SFSY	I	Subcode frame sync signal.
4	PW	I	Subcode read/write data.
5	SBSY	I	Subcode block sync signal.
6	VDD1	—	Power supply. (Connected to +5V)
7	CE	I	Connected to GND.
8	DO	O	Connected to GND.
9	DI	I	Connected to GND.
10	CL	I	Connected to GND.
11	MUTE	I	Control signal disabling the subcode.
12	VSS1	—	GND.
13	CH0	I	Channel selection. Enabled at "H" (Pull-down resistor is built in.) (Connected to +5V)
14	CH1	I	
15~28	CH2~15	—	Not used.
29	$\overline{1WE}$	O	DRAM No.1 control pin.
30	\overline{RAS}	O	DRAM No.1 and 2 common control pin.
31~38	1A0~1A7	O	DRAM No.1 address pin.
39	1DB0	I/O	DRAM No.1 data pin.
40	\overline{CAS}	O	DRAM No.1 and 2 common control pin.
41	1DB1	I/O	DRAM No.1 data pin.
42	\overline{OE}	O	DRAM No.1 control pin.
43	1DB2	I/O	DRAM No.1 data pin.
44	1DB3	I/O	DRAM No.1 data pin.
45	$\overline{2WE}$	O	DRAM No.2 control pin. (not used)
46~53	2A0~7	—	Not used.
54~57	2DB0~3	—	Not used.
58	TEST	—	Connected to GND.
59	CDGM	—	Not used.
60~65	TRANS0~5	—	Not used.
66	VSS	—	Not used.
67	VDD	—	Connected to +5V.
68	BIAS1	—	Connected to capacitor for eliminating ripples.
69	TRANS	—	Not used.
70	ROUT	—	Not used.
71	GOUT	—	Not used.
72	BOUT	—	Not used.
73	VSS3	—	GND.
74	VDD3	—	Power supply. (Connected to +5V)
75	BIAS2	O	Connected to capacitor for eliminating ripples.
76	VIDEO	O	Composite video output. (8-bit DAC output)

Pin No.	Pin Name	I/O	Description
77, 78	TEST1, 2	I	Connected to GND.
79	FSCIN	I	Connected to GND.
80	VSYNC	—	Not used.
81	2FSC	—	Not used.
82	YS	—	Not used.
83	$\overline{\text{CSYNC}}$	—	Not used.
84	SON	I	Superimpose ON/OFF. (Connected to GND)
85	EFLG	—	Not used.
86	FSX	—	Not used.
87	M1/M2	I	Switching between 256 DRAM1 and 2. H: 1 L: 2 (Connected to +5V)
88	DEN	I	Disk information display enable. H: BGC L: Enable (Pull-down resistor is built in, connected to GND.)
89	PALID	—	Not used.
90	$\overline{\text{HRESET}}$	I	Horizontal timing external control terminal. (Connected to +5V)
91	FSC	O	Subcarrier clock output. NTSC mode: 3.579545 MHz \pm 100Hz PAL mode: 4.433619 MHz \pm 100Hz (Not used)
92	$\overline{\text{VRESET}}$	I	Vertical timing external control terminal. (Connected to +5V)
93	4FSC2	I	Connected to GND.
94	$\overline{\text{RESET}}$	I	Reset input.
95	N/P1	I	NTSC/PAL selection. (RGB encoder) "H": NTSC "L": PAL
96	N/P2	I	NTSC/PAL selection. (CD-EG decoder) "H": NTSC "L": PAL
97	XIN2	I	Crystal oscillator 17.734476 MHz. (for PAL)
98	XOUT2	O	Crystal oscillator 17.734476 MHz. (for PAL)
99	XIN1	I	Crystal oscillator connection 14.31818 MHz. (for NTSC)
100	XOUT1	O	Crystal oscillator connection 14.31818 MHz. (for NTSC)

IC,MSM51C464A – 802S

Pin No.	Pin Name	I/O	Description
1	D2	I/O	Data input/output.
2	$\overline{\text{CAS}}$	I	Column address strobe.
3	D3	I/O	Data input/output.
4	VSS	—	GND.
5	$\overline{\text{OE}}$	I	Output enable.
6	D0	I/O	Data input/output.
7	D1	I/O	Data input/output.
8	$\overline{\text{WE}}$	I	Write enable.
9	$\overline{\text{RAS}}$	I	Row address strobe.
10, 11	NC	—	Not used.
12~14	A6~A4	I	Address input.
15	VDD	—	Power supply. (Connected to +5V)
16~20	A7~A0	I	Address input.

IC,CXA1782BQ

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

Pin No.	Pin Name	I/O	Description
17	ISET	I	The current which determines height of the focus search, track jump and sled kick is input.
18	VCC	—	+ 5 V power supply pin.
19	CLK	I	Serial data transfer clock input from DSP (CXD2518Q).
20	XLT	I	Latch input from DSP (CXD2518Q).
21	DATA	I	Serial data input from DSP (CXD2518Q).
22	XRST	I	Reset input pin. Reset at L.
23	COUT	O	Signal output to count the number of tracks.
24	SENS	O	FZC, DFCT, TZC, Gain or BAL is output depending on the command from DSP (CXD2518Q).
25	FOK	O	Output pin of the focus OK comparator.
26	CC2	O	Input pin where the DEFECT bottom hold output is capacitance coupled.
27	CC1	I	DEFECT bottom hold output pin.
28	CB	I	This is a pin where the DEFECT bottom hold capacitor is connected.
29	CP	I	This is a pin where the MIRR hold capacitor is connected and MIRR comparator non-inverted signal is input.
30	RFI	I	Input pin where the RF summing amplifier output is capacitance coupled.
31	RFO	O	RF summing amplifier output pin. (TP1)
32	RFM	I	RF summing amplifier inverted input pin. Gain of RF amplifier is determined by the resistor connected between RFO and this pin.
33	LD	O	APC amplifier output pin.
34	PHD	I	APC amplifier input pin.
35~36	PHD1~2	I	RF I-V amplifier inverted input pin. These pins are connected to the A+C and B+D pins of the optical pickup.
37	BIAS	I	Bias adjustment pin of the non-inverted side of the focus error amplifier.
38~39	F~E	I	F and E IV amplifier non-inverted input pins. These pins are connected to the F and E of the optical pickup.
40	EI	—	Gain adjustment pin of the I-V amplifier E.
41	VEE	—	GND connection pin
42	TEO	O	Tracking error amplifier output pin. E-F signal is output.
43	LPFI	I	BAL adjustment comparator input pin. Not used.
44	TEI	I	Tracking error input pin.
45	ATSC	I	Window comparator input pin for detecting ATSC.
46	TZC	I	Tracking zero-cross comparator input pin.
47	TDFCT	I	Capacitor connection pin for the time constant used when there is defect.
48	VC	O	DC voltage output pin of VREF. (VCC/2)

IC,LC866432V - 5519

Pin No.	Pin Name	I/O	Description
1	O-PLL CE	O	PLL IC chip enable.
2	O-KC/CE	O	Key control IC M65840 data latched strobe output.
3	O-M/STB	O	Main shift register (IC602, 603) data latch strobe output.
4	O-M/DATA	O	Main shift register (IC602, 603), PLL/key control/DSP related data output.
5	O-M/CLK	O	Main shift register (IC602, 603), PLL/key control/DSP related clock output.
6	I-HOLD	I	Power failure detected input. L to stop clock and maintain memory.
7	RESET	I	Reset input.
8	I-STEREO	I	Tuner stereo detected input.
9	I-TUNE/IFC	I	Tuner SD detected input. IF count serial data input.
10	VSS1	—	GND.
11, 12	CF1, 2	—	5.76MHz oscillator circuit.
13	VDD1	—	Power supply input.
14~16	I-KEY1~3	I	Key input. (A/D)
17	I-CD/SW	I	CD mechanical switch A/D converter input.
18	I-CD/DISH	I	CD turntable photo sensor A/D converter input.
19	I-MS	I	Deck music sensor signal input.
20	I-SPEANA	I	A/D input for spectrum analyzer display.
21	I-MIC	I	Microphone input for auto VF display.
22	I-TM BASE	I	Reference clock input for timer watch.
23	I-CD/SENSE	I	CD IC control SENS input.
24	I-RMC	I	System remote control signal input.
25~36	G12~G1	O	FL grid output G12~G1.
37	P22	O	FL segment output P22.
38	P21/O-SPEANA A	O	FL segment output P21, spectrum analyzer band switch output (A).
39	P20/O-SPEANA B	O	FL segment output P20, spectrum analyzer band switch output (B).
40	P19/O-SPEANA C	O	FL segment output P19, spectrum analyzer band switch output (C).
41	VDD2	—	Power supply input.
42	-VP	—	Power supply input (-34.5V) for FL display.
43	P18/CST1	I/O	FL segment output P18, DECK1 cassette detect switch data input.
44	P17/AUTO1	I/O	FL segment output P17, DECK1 auto stop signal input.
45	P16/CAM1	I/O	FL segment output P16, DECK1 cam switch data input.
46	P15/CSM2	I/O	FL segment output P15, DECK2 cam switch signal input.
47	P14/AUTO2	I/O	FL segment output P14, DECK2 auto stop data input.
48	P13/CST2	I/O	FL segment output P13, DECK2 cassette detect switch data input.
49	P12/REA	I/O	FL segment output P12, DECK2 side-A record OK switch data input.
50	P11/REB	I/O	FL segment output P11, DECK2 side-B record OK switch data input.
51	P10/FM-WIDE	I/O	FL segment output P10, FM wide mode data input to diode.
52	P1/AM-ST	I/O	FL segment output P1, AM stereo mode data input to diode.
53	P2/AM10K	I/O	FL segment output P2, AM 10kHz step data input to diode.

Pin No.	Pin Name	I/O	Description
54	P3/LW	I/O	FL segment output P3, LW mode data input to diode.
55	P4/SW	I/O	FL segment output P4, SW mode data input to diode.
56	P5/BBE	I/O	FL segment output P5, BBE mode data input to diode.
57	P6/DSP	I/O	FL segment output P6, DSP data input to diode.
58	P7/K-CON	I/O	FL segment output P7, key control data input to diode.
59	P8/CDG	I/O	FL segment output P8, CDG data input to diode.
60	P9/OIRT	O	FL segment output P9.
61	O-CLOSE	O	CD tray close data output.
62	O-OPEN	O	CD tray open data output.
63	O-DI/R	O	CD turntable reverse rotation output.
64	O-DI/F	O	CD turntable forward rotation output.
65	O-POWER	O	System power supply ON/OFF output.
66	O-SOL1	O	DECK1 solenoid output.
67	O-SOL2	O	DECK2 solenoid output.
68	O-MOTOR	O	DECK motor output.
69	O-KEY. SCAN	O	Switch scan timing output.
70	O-F/STB	O	Front shift register (IC401~403), data latch strobe output.
71	O-F/CLK	O	Front shift register (IC401~403), data transfer clock output.
72	O-F/DATA	O	Front shift register (IC401~403), data output.
73	VSS2	—	GND.
74	O-DSP/CE	O	DSP related data latch strobe output.
75	O-CD/DATA	O	CD IC control data output.
76	O-CD/XLT	O	CD IC control data latch output.
77	O-CD/CLK	O	CD IC control data transfer clock output.
78	I-CD/SQ. DATA	O	CD SUB-Q data input.
79	O-CD/SQ. CLK	O	Clock output for CD SUB-Q input data.
80	O-MUTE	O	System mute output.

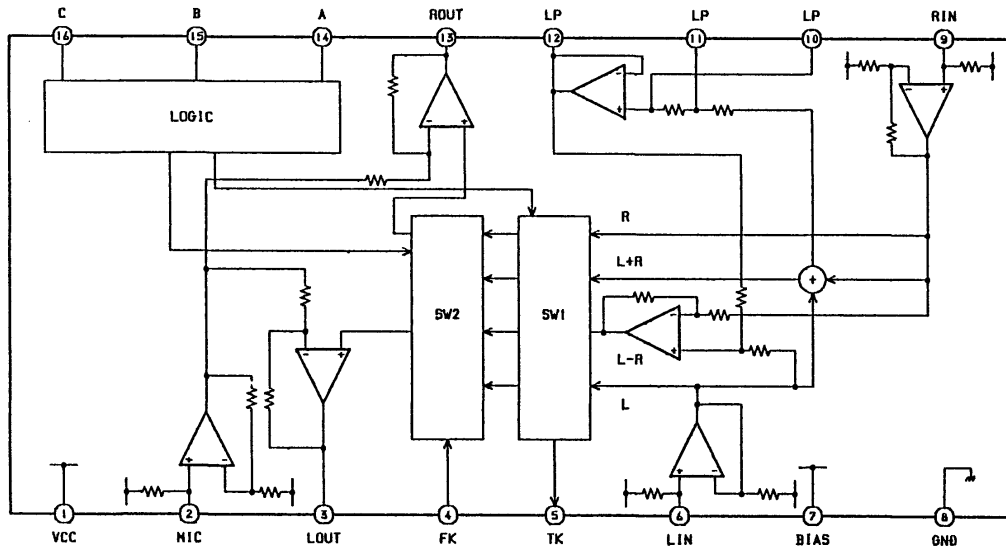
IC,CXD2518Q

Pin No.	Pin Name	I/O	Description
1	SCOR	O	1H when the subcode sync S0 or S1 is detected.
2	SBSO	O	SUBP~W serial output.
3	EXCK	I	Clock input for SBSO read out.
4	SQSO	O	SUBQ 80-bit serial output.
5	SQCK	I	Clock input for SQSO read out.
6	MUTE	I	H to mute. L to cancel. Connected to GND.
7	SENS	O	SENS signal output to CPU (IC201).
8	XRST	I	System reset. L to reset.
9	DATA	I	Serial data input from CPU (IC201).
10	XLAT	I	Latch input from CPU (IC201). Latching serial data at fall down.
11	CLOK	I	Clock input from CPU (IC201) to transfer serial data.
12	VSS	—	GND.
13	SEIN	I	SENS input from SSP (CXAI782BQ).
14	CNIN	I	Numbers of track jump are counted and input.
15	DATO	O	Serial data output to SSP (CXAI782BQ).
16	XLTO	O	Serial data latched output to SSP (CXAI782BQ). Latched at fall down edge.
17	CLKO	O	Clock input from SSP (CXAI782BQ) to transfer serial data.
18	TEST2	I	TEST. (Connected to +5V)
19~21	SPOB~D	I	Input from INSIDE LIMIT switch (SW1).
22	XLON	O	LC7870E mute control output.
23	FOK	I	Focus OK input pin. Used for SENS output and servo auto sequencer.
24	MON	O	Spindle motor ON/OFF control output.
25	MDP	O	Spindle motor servo control output.
26	MDS	O	Spindle motor servo control output. (Not used)
27	LOCK	O	GFS is sampled by 460Hz. H output when GFS is H. L output when GFS is L for 8 consecutive times.
28	TEST1	I	TEST. (Connected to GND)
29	FIL0	O	Filter output to master PLL. (slave=digital PLL)
30	FIL1	I	Filter input to master PLL.
31	PCO	O	Charge-pump output to master PLL.
32	VDD	—	Power supply input. (+5V)
33	AVSS1	—	GND.
34	CLTV	I	VCO control voltage input to master PLL.
35	AVDD1	—	Power supply input. (+5V)
36	RF	I	EFM signal input.
37	BIAS	I	Constant current input to asymmetry correction circuit.
38	ASYI	I	Compare voltage input to asymmetry correction circuit.
39	ASYO	O	EFM full swing output. (L=VSS, H=VDD)
40	ASYE	I	L: asymmetry correction OFF. H: asymmetry correction ON (connected to +5V)
41	WDCK	O	D/A interface, word clock (2Fs) for 48-bit slot. (Not used)
42	LRCK	O	D/A interface, LR clock (Fs) for 48-bit slot.

Pin No.	Pin Name	I/O	Description
43	LRCKI	I	LR clock input to DAC. (48-bit slot)
44	PCMD	O	D/A interface, serial data. (2's complement, MSB first)
45	PCMDI	I	Audio data input to DAC. (48-bit slot)
46	BCK	O	D/A interface, bit clock.
47	BCKI	I	Bit clock input to DAC. (48-bit slot)
48	GTOP	O	GTOP output. (Not used)
49	XUGF	O	XUGF output. (Not used)
50	XPCK	O	XPLCK output. (Not used)
51	GFS	O	GFS output. (Not used)
52	RFCK	O	RFCK output. (Not used)
53	VSS	—	GND.
54	C2PO	O	C2PO output. (Not used)
55	XROF	O	XRAOF output. (Not used)
56	MNT3	O	MNT3 output. (Not used)
57	MNT1	O	MNT1 output. (Not used)
58	MNT0	O	MNT0 output. (Not used)
59	FSTT	O	Pins-73 and -74 divided-by 2/3 output. (Not used)
60	C4M	O	4.2336MHz output. (Not used)
61	DOUT	O	Digital Out connector output signal.
62	EMPH	O	H when the playback disc has emphasis. L when it does not.
63	EMPHI	I	DAC emphasis ON/OFF. H when ON. L when OFF
64	WFCK	O	WFCK (WRITE FRAME CLOCK) output.
65	ZEROL	O	No sound data detection output. H (L-ch) when no sound data is detected. (Not used)
66	ZEROR	O	No sound data detection output. H (R-ch) when no sound data is detected. (Not used)
67	DTSI	I	TEST for DAC. (Connected to GND)
68	VDD	—	Power supply input. (+5V)
69	LPWM	O	L-ch PWM output. (normal polarity)
70	NLPWM	O	L-ch PWM output. (reversed polarity)
71	AVDD2	—	Power supply input to PWM driver. (Connected to +5V)
72	AVDD3	—	Power supply input to X'tal. (Connected to +5V)
73	XTAI	I	X'tal input to 33.8688MHz oscillator circuit.
74	XTAO	O	33.8688MHz X'tal oscillator circuit output.
75	AVSS1	—	Power supply input to X'tal. (Connected GND)
76	AVSS2	—	Power supply input to PWM driver. (Connected to GND)
77	NRPWM	O	R-ch PWM output. (reversed phase)
78	RPWM	O	R-ch PWM output. (normal phase)
79	DTS2	I	TEST-2 for DAC. (Connected GND)
80	DTS3	I	TEST-3 for DAC. (Connected GND)

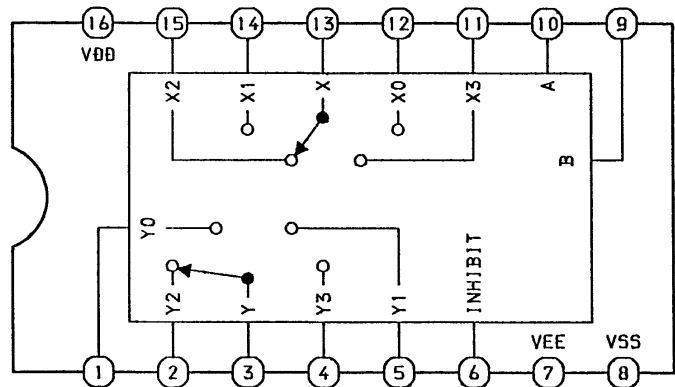
IC BLOCK DIAGRAM

IC,BA3837



IC,TC4052

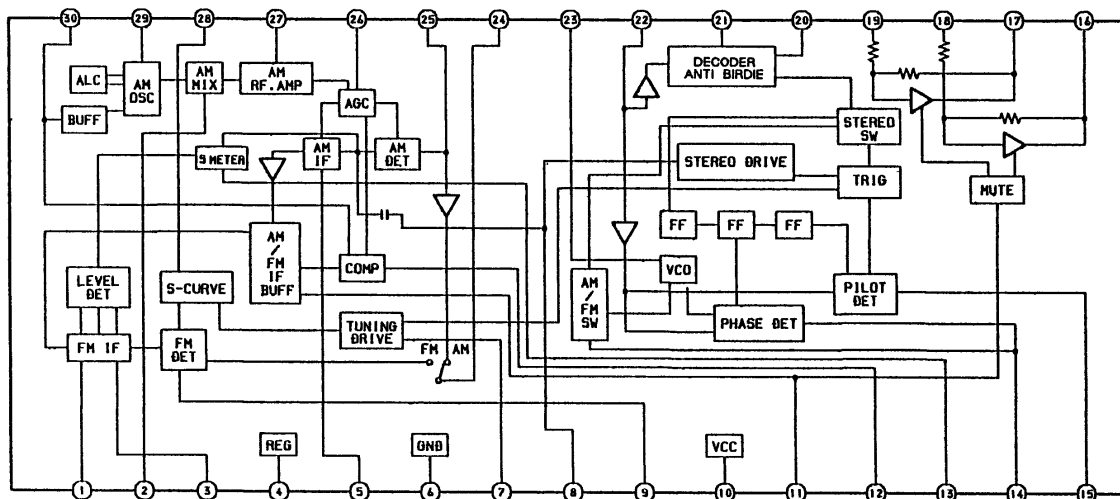
TRUTH TABLE



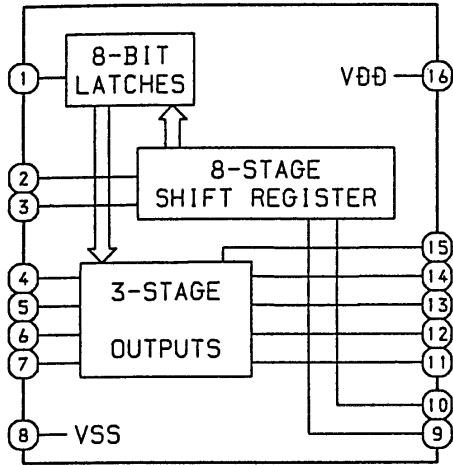
CONTROL INPUTS			ON SWITCH	
INHIBIT	B	A	Y0	X0
L	L	L	Y0	X0
L	L	H	Y1	X1
L	H	L	Y2	X2
L	H	H	Y3	X3
H	X	X	-	-

L: LOW LEVEL
H: HIGH LEVEL
X: IRRELEVANT

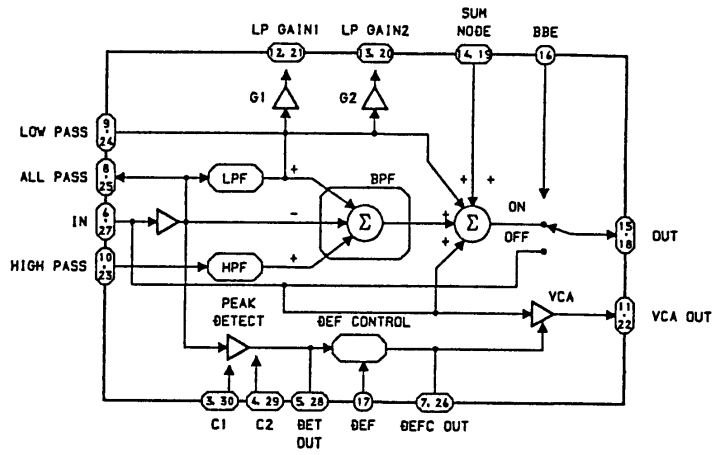
IC,LA1836



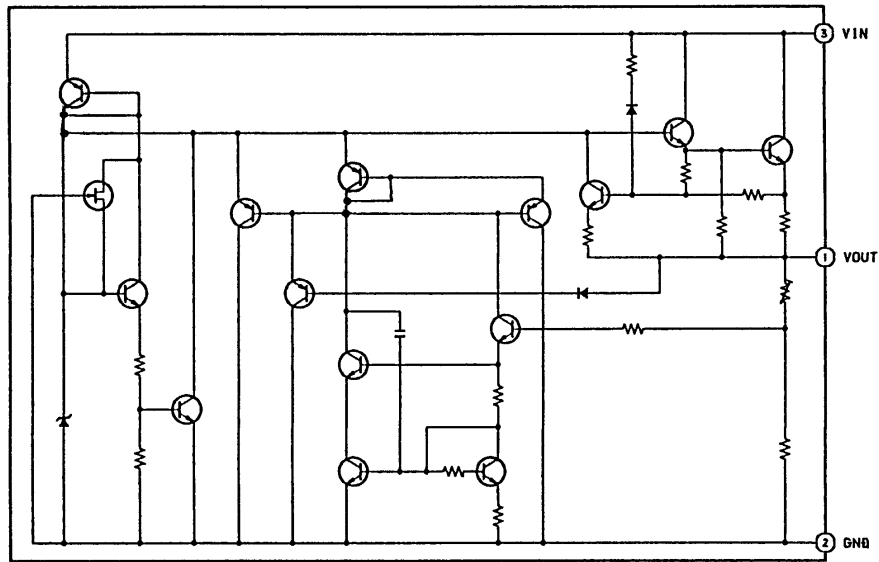
IC,TC4094B



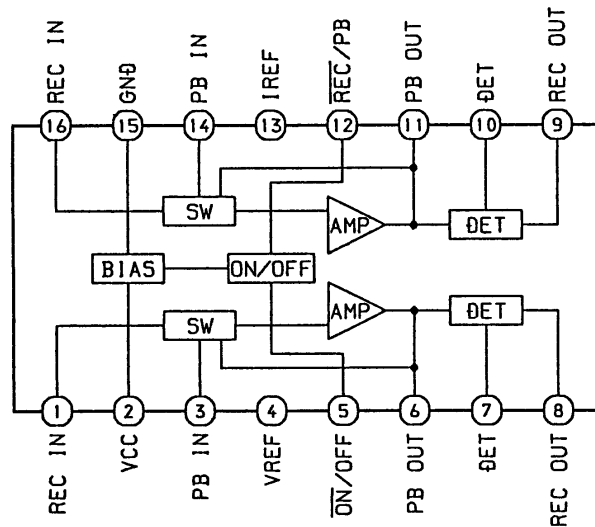
IC,XR - 1071CP



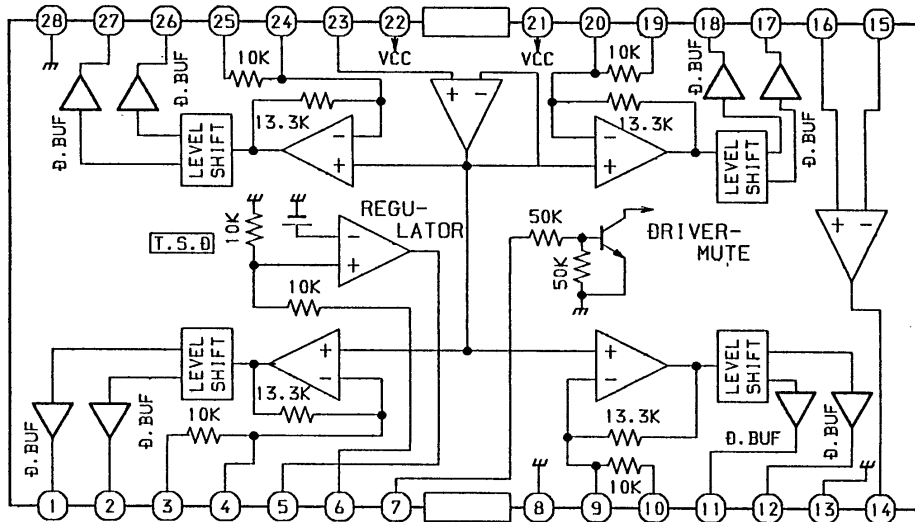
IC,NJM78L05A



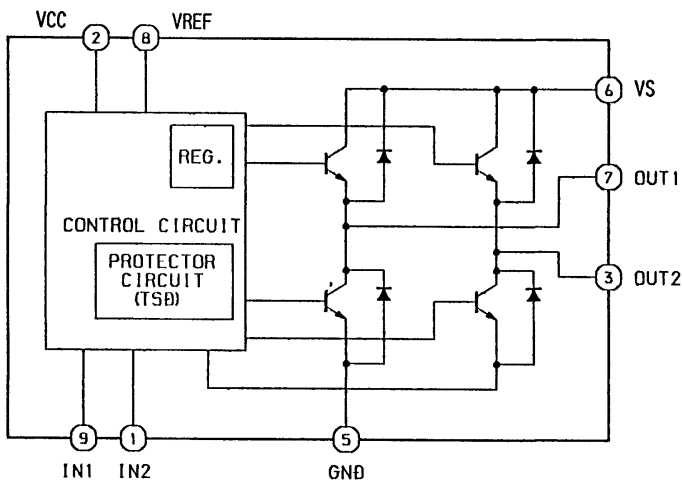
IC,HA12134A



IC,BA6397FP



IC,TA7291

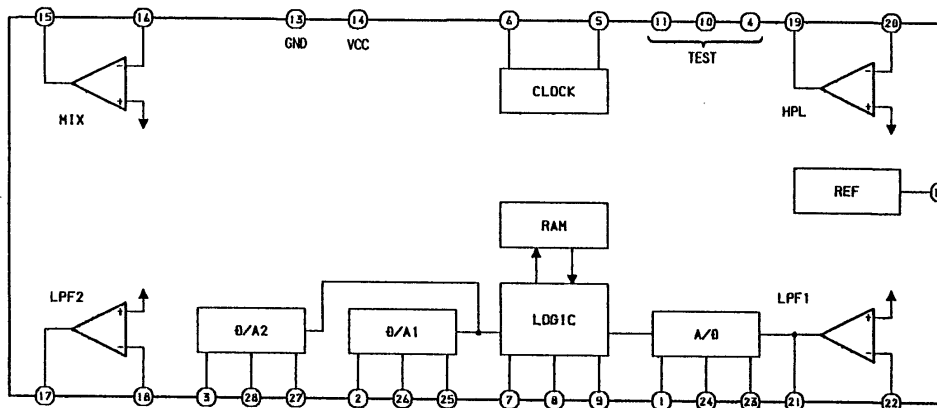


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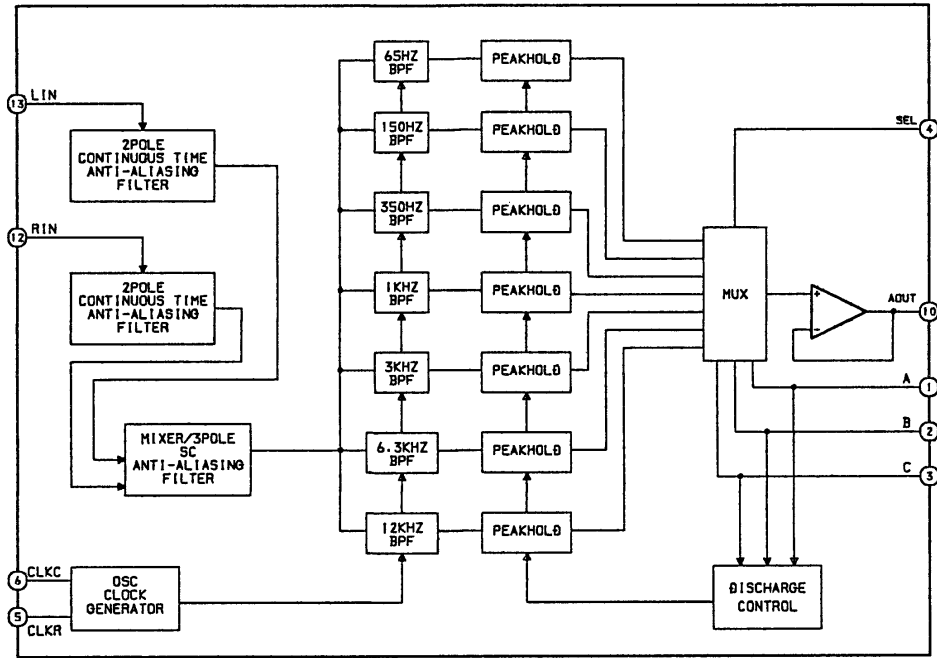
INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW
0	1	L	H	CCW
1	1	L	L	BRAKE

∞ : HI IMPEDANCE
NOTE : INPUT "H" ACTIVE

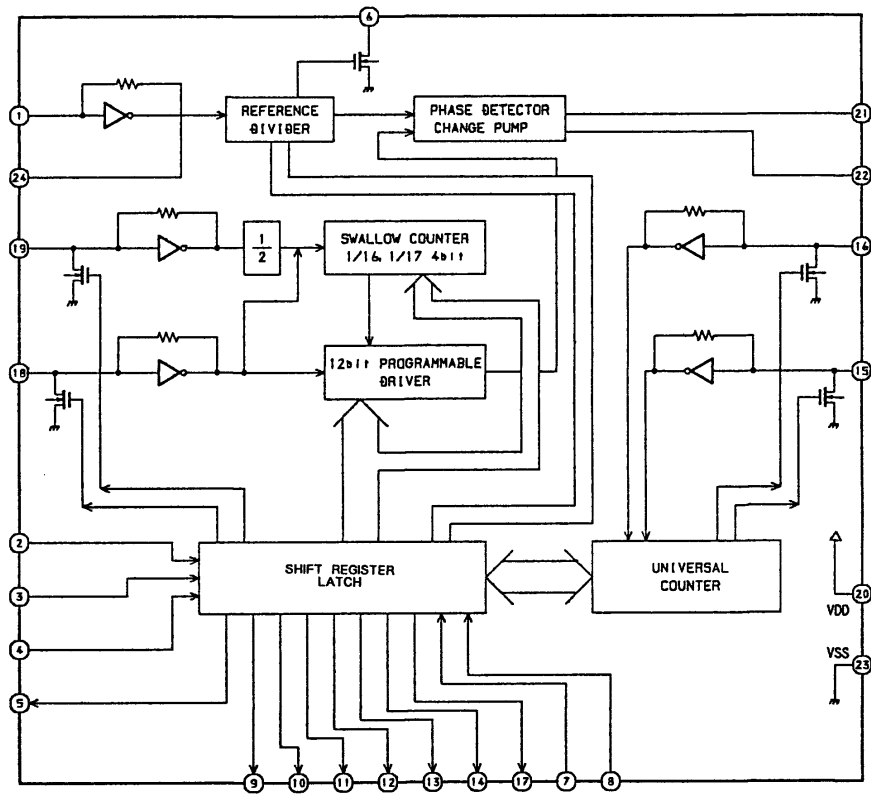
IC,M65840



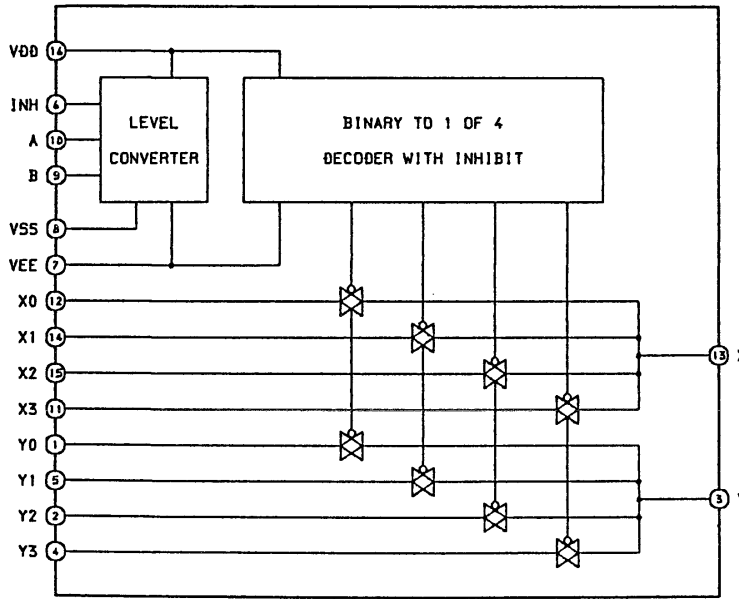
IC,XR - 1090



IC,LC7218



IC, BU4052B



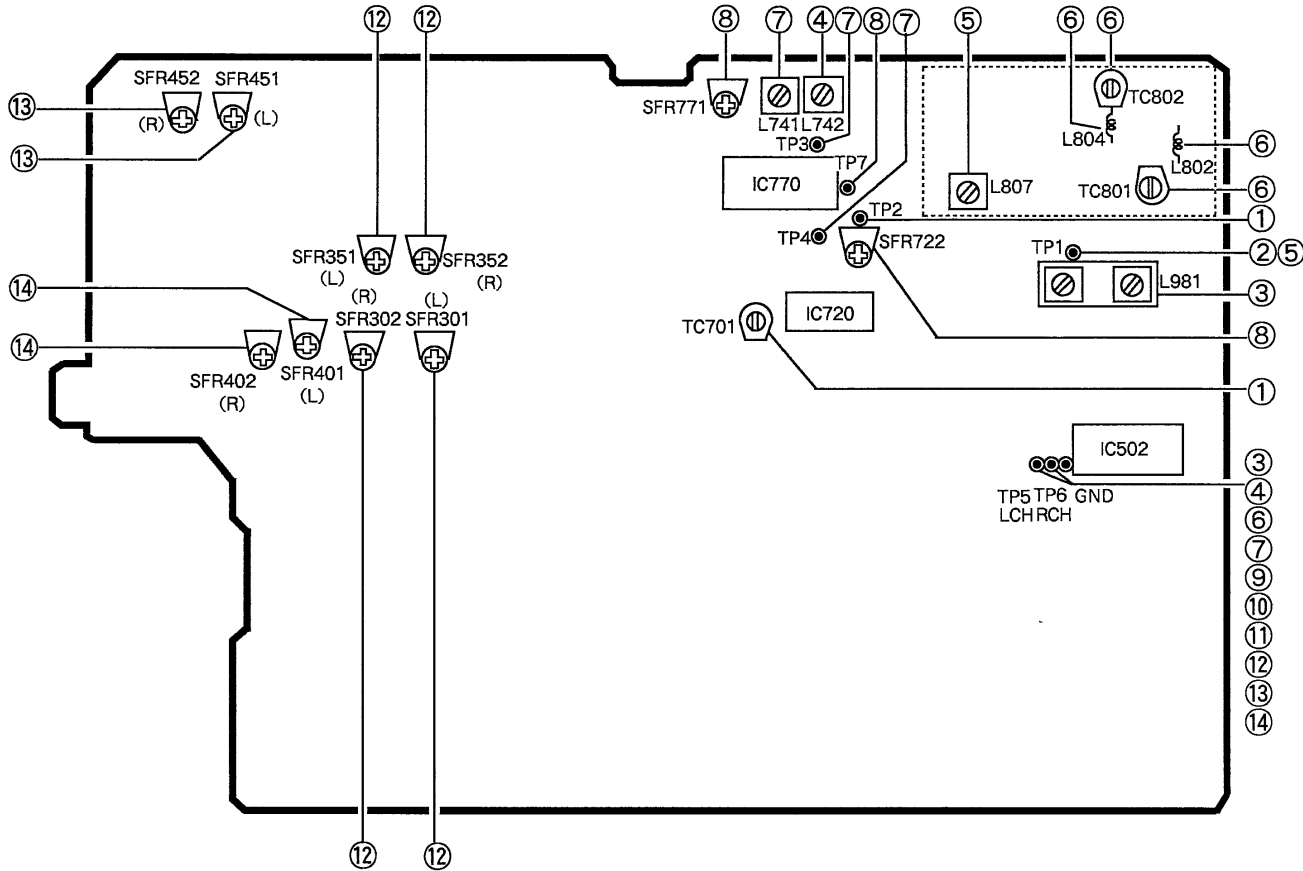
TRUTH TABLE

INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE

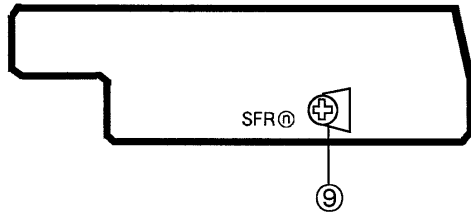
X: DON'T CARE.

ELECTRICAL ADJUSTMENT

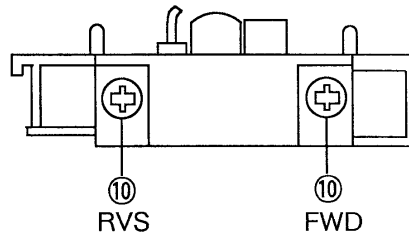
A MAIN C.B



P DECK2 C.B



DECK1 P, DECK2 R/P/E HEAD



TUNER SECTION

1. Clock Frequency Adjustment < HS >

Settings : • Test point : TP2 (CLK IC770 pin30)
 • Adjustment location : TC701

Method : Set to AM 1602kHz and adjust TC701 so that the test point becomes 2052kHz \pm 0.01kHz.

2. AM VT Check

Settings : • Test point : TP1 (VT)

Method : Set to AM 1602kHz and check that the test point is 6.3 \pm 1.0V.

3. AM Tracking Adjustment

Settings : • Test point : TP5,TP6

• Adjustment location : L981

Method : Set to AM 999kHz and adjust L981 so that the test point becomes maximum.

4. AM IF Adjustment

Settings : • Test point : TP5,TP6

L742..... 450kHz

5. FM VT Adjustment

Settings : • Test point : TP1 (VT)

• Adjustment location : L807

Method : Set to FM 87.5MHz < HS >, 76.0MHz < HD > and adjust L807 so that the test point becomes $1.7V \pm 0.05V$ < HS >, $1.0 \pm 0.05V$ < HD >.

6. FM Tracking Adjustment

Settings : • Test point : TP5,TP6

TC801,TC802 108MHz

L802,L804 87.5MHz

7. DC Balance/MONO Distortion Adjustment

Settings : • Test point : TP3,TP4 (DC balance)

TP5,TP6 (Distortion)

• Adjustment location : L741

• Input level : 54dB

Method : Set to FM 98.0MHz and adjust L741 so that the voltage between TP3 and TP4 becomes $0V \pm 0.04V$.

Next check that the distortion becomes less than 1.3%.

8. Auto stop Level Adjustment

FM

Settings : • Test point : TP7

• Adjustment location : SFR722

• Input level : 18dB

Method : Set to FM 98.0MHz < HS >, 83.0MHz < HD > and adjust voltage low (about 0.01V) by SFR722. After that voltage high (about 7.0V) out by 2dB down.

AM

Settings : • Test point : TP7

• Adjustment location : SFR771

• Input level : 55dB

Method : Set to AM 1000kHz and adjust voltage low (about 0.01V) by SFR771. After that voltage high (about 7.0V) out by 2dB down.

TAPE SECTION

9. Tape Speed Adjustment

Settings : • Test tape : TTA-100

• Test point : TP5,TP6

• Adjustment location : SFR⑩

Method : Play back the test tape DECK II and adjust SFR⑩ so that the frequency counter reads $3000Hz \pm 5Hz$.

10. Head Azimuth Adjustment

Settings : • Test tape : TTA-310

• Test point : TP5,TP6

• Adjustment location : Head azimuth

adjustment screw

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

11. PB Frequency Response Check

Settings : • Test tape : TTA-310

• Test point : TP5,TP6

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 $\pm 2dB$.

12. PB Sensitivity Adjustment

Settings : • Test tape : TTA-200

• Test point : TP5,TP6

• Adjustment location :

(I DECK) SFR301 (Lch)

SFR302 (Rch)

(II DECK) SFR351 (Lch)

SFR352 (Rch)

Method : Play back the test tape and adjust SFRs so that the output level of the test point is 300mV.

13. REC/PB Frequency Response Adjustment

Settings : • Test tape : TTA-601

• Test point : TP5,TP6

• Input signal : 1kHz/10kHz (LINE IN)

• Adjustment location : SFR451 (Lch)

SFR452 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP5,TP6 is 21mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signal is $0dB \sim +0.5dB$ with respect to that of the 1kHz signal.

14.REC/PB Sensitivity Adjustment

- Settings :
- Test tape : TTA-601
(TTA - 600)
 - Test point : TP5,TP6
 - Input signal : 1kHz (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 TP5,TP6 is 21mV.

Record and play back the 1kHz signal and adjust SFRs so that the output is 21mV \pm 0.5dB.

PRACTICAL SERVICE FIGURE

TUNER SECTION

< FM SECTION >

IHF Sensitivity : 4dB \pm 6dB (87.5MHz)
(THD 3%) 2dB \pm 6dB (98.0MHz)
2dB \pm 6dB (108.0MHz)

S/N 50dB Quieting sensitivity :
32dB \pm 5dB
(87.5/98.0/108.0MHz)

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

Distortion : Less than 1.2% (98.0MHz)

Stereo separation : More than 25dB (98.0MHz)

Intermediate frequency : 10.7MHz

< AM SECTION >

Sensitivity : 55dB \pm 7dB (603kHz)
(S/N 20dB) 53dB \pm 6dB (999kHz)
53dB \pm 6dB (1404kHz)

Distortion : Less than 1.5% (999kHz)

Stereo separation : More than 12dB (999kHz)

Intermediate frequency : 450kHz

TAPE SECTION

Tape speed : 3000Hz \pm 1.5%

Wow & flutter : Less than 0.4% (R.M.S)

Take-up torque : 30~55g-cm (FWD, REV)

F.F torque : 75~180g-cm

Rew torque : 75~180g-cm

Back tension : 2~7g-cm

PB Output level : 2.8V \pm 1.5dB (SP OUT)

REC/PB Output level : 2.0V \pm 2.0dB (SP OUT)

Distortion (REC/PB) : Less than 2% (NORM)

Noise level (PB) : Less than 200mV (DOLBY B NR OFF NORM, Vol MAX.)

Noise level (REC/PB) : Less than 35mV (DOLBY B NR OFF NORM, SP OUT 2V)

Crosstalk : More than 60dB (1kHz, 0VU)

Erasing ratio : More than 60dB (125Hz)

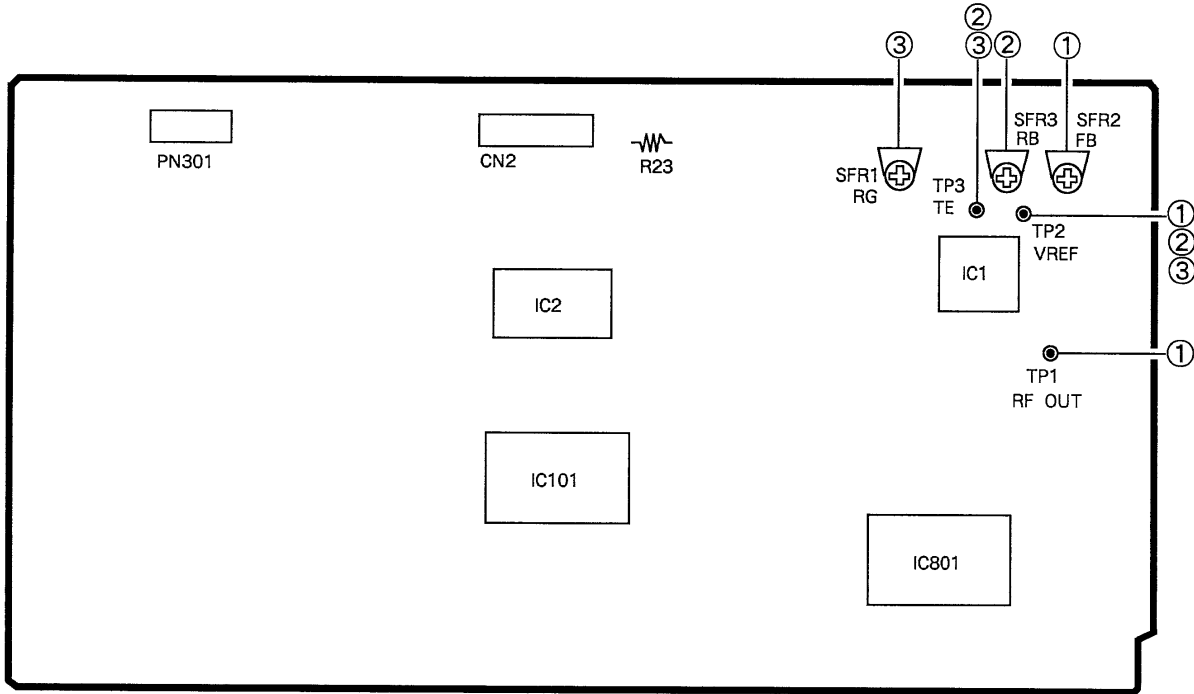
Channel separation : More than 40dB (1kHz, 0VU)

REC bias frequency : 85kHz

Test tape : NORMAL TTA - 601/600

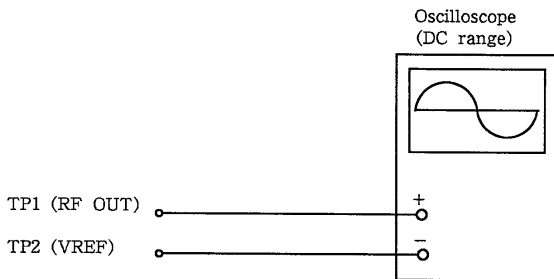
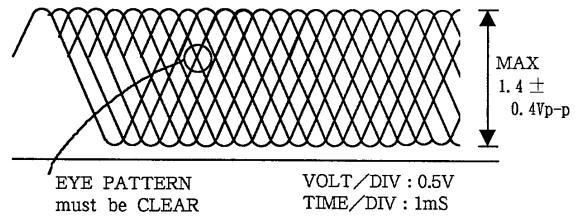
ADJUSTMENT

C 3CD C.B



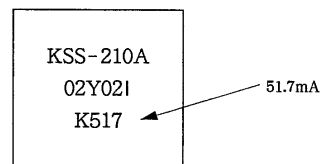
Note: Connect a probe (10:1) of the oscilloscope or the frequency counter to a test point.

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



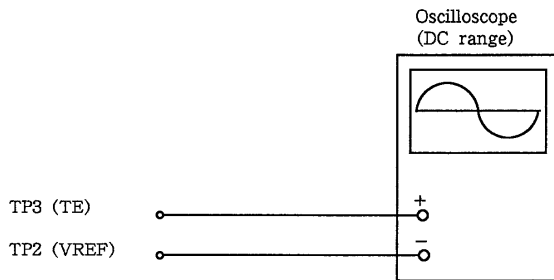
Note: The current of the laser signal can be checked with the voltages on both sides of R23 (10 Ω). The difference for the specified value shown on the level must be within ±6.0mA.

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

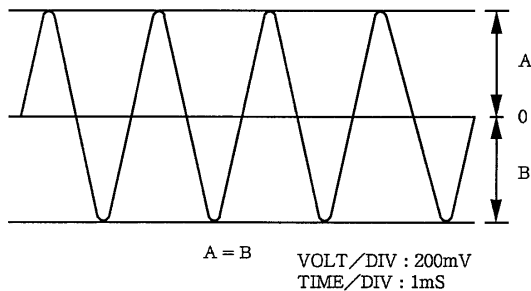


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R23}}{10 \Omega}$$

2. TRACKING Balance Adjustment



- 1) Connect an oscilloscope to the test points TP3 (TE) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and press the PLAY button.
- 4) Connect the intermediate point of SFR1 to TP2 (VREF).
- 5) Adjust SFR3 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
- 6) After the adjustment is completed, remove the connected lead wires from the terminals.



3. TRACKING Gain Adjustment

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

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

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

When gain adjustment is off, the symptoms below appear.

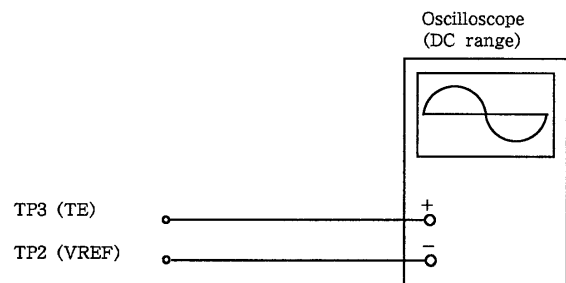
Symptoms	Gain	(Focus)	Tracking
● The time until music starts becomes longer for STOP → ▶PLAY or automatic selection (⏪ ⏩) buttons pressed.) (Normally takes about 2 seconds.)		low	low or high
● Music does not start and disc continues to rotate for STOP → ▶PLAY or automatic selection (⏪ ⏩) buttons pressed.)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

The following is simple adjustment method.

– Simple adjustment –

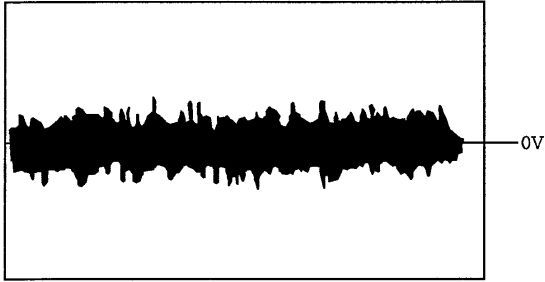
Note : Since exact adjustment cannot be performed, remember the positions of the controls before the performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure



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

- 4) Adjust SFR1 so that the waveform appears as shown in the figure below.(tracking gain adjustment)



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

● Incorrect example

Low tracking gain

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



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

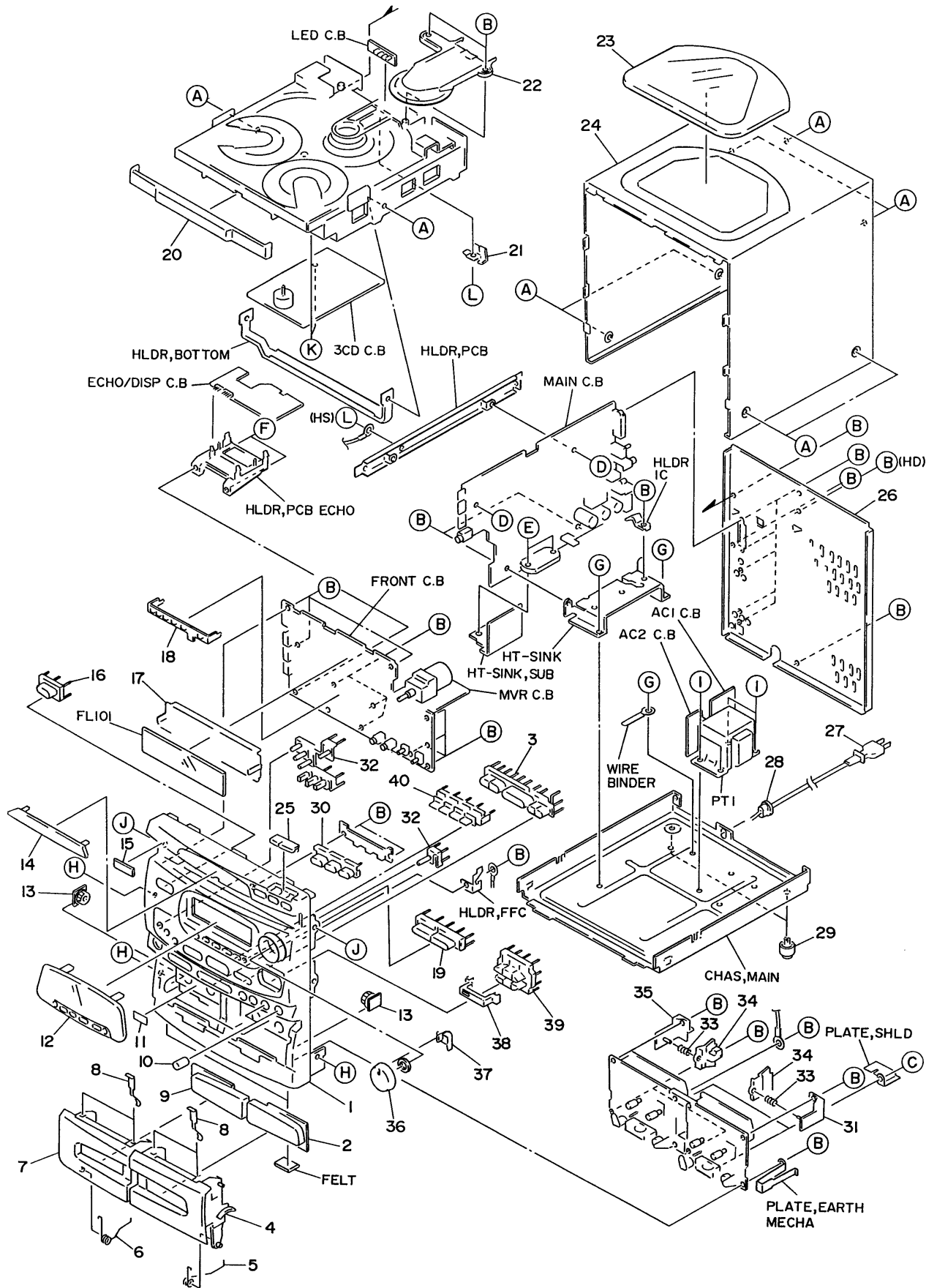
High tracking gain

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



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

MECHANICAL EXPLODED VIEW 1/2

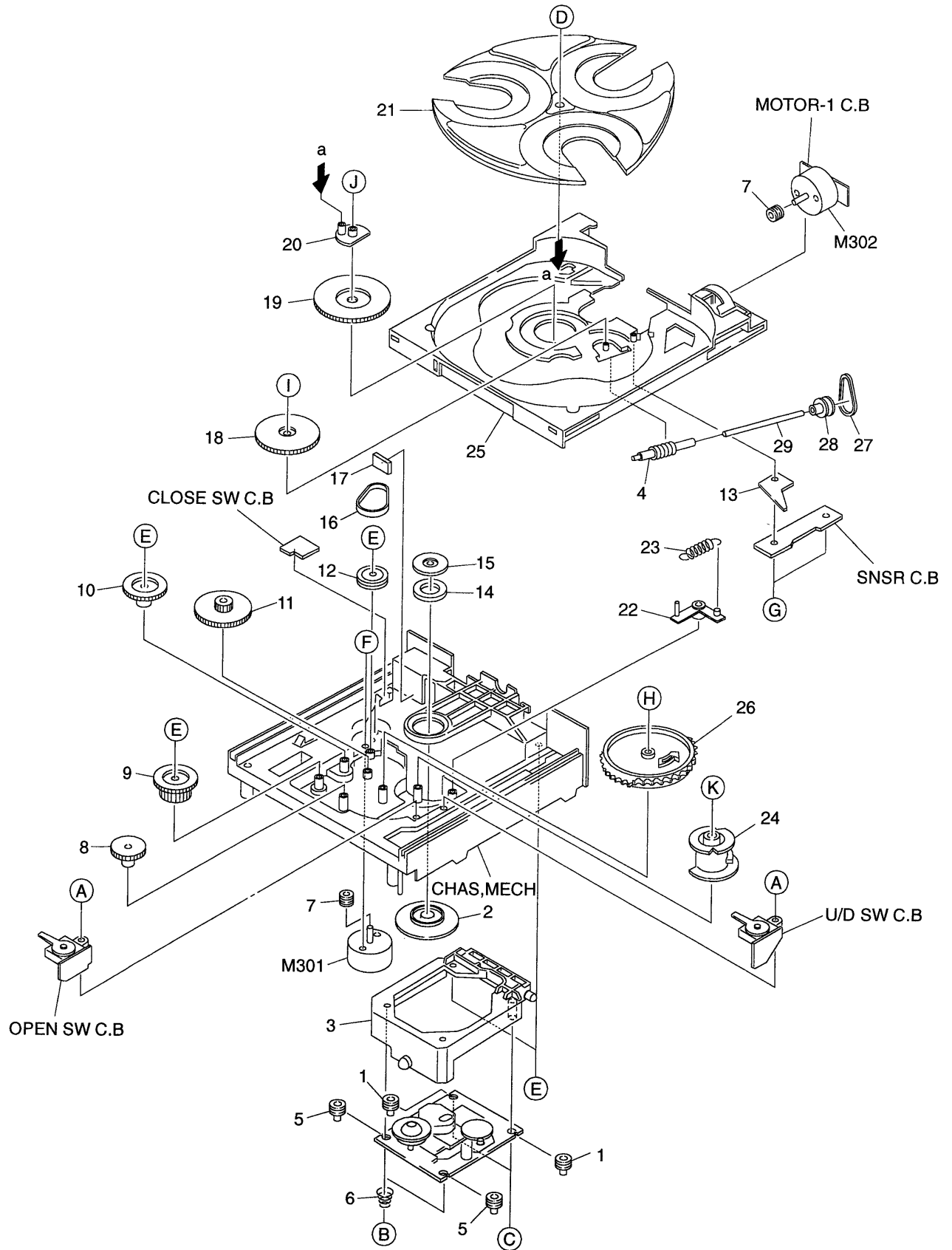


MECHANICAL PARTS LIST 1/2

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

REF. NO	PART NO.	カソ NO.	DESCRIPTION	REF. NO	PART NO.	カソ NO.	DESCRIPTION
1	83-NF5-035-010		CAB, FR (HD)	△	27	81-MX4-736-010	AC-CORD (H), HS(HS)
1	83-NF5-096-010		CAB, FR HS(HS)	28	87-085-184-010		BUSHING, AC CORD D(HD)
2	83-NF5-007-110		WINDOW, CASS 2	28	87-085-189-010		BUSHING, CORD U(HS)
3	83-NF5-012-110		KEY, PLAY	29	87-085-221-010		FOOT, H13. 5
4	83-NF5-037-010		BOX, CASS 2 EX(HD)	30	83-NF5-029-110		KEY, DISC
4	83-NF5-088-010		BOX, CASS 2 HS(HS)	31	82-NF5-227-010		HLDR, LOCK 2N
5	82-NF5-219-010		SPR-T, EJECT 2 (SIN)	32	83-NF5-025-010		KEY, REC
6	82-NF5-218-010		SPR-T, EJECT 1 (SIN)	33	82-NF5-228-010		SPR-C, LOCK
7	83-NF5-036-110		BOX, CASS 1 EX(HD)	34	82-NF5-229-010		PLATE, LOCK
7	83-NF5-087-010		BOX, CASS 1 HS(HS)	35	82-NF5-226-010		HLDR, LOCK 1N
8	80-CD3-218-110		SPR-P CASS	36	83-NF5-009-010		KNOB, VOL
9	83-NF5-006-110		WINDOW, CASS 1	37	83-NF5-010-010		IND, VOL
10	83-NF5-020-010		KNOB, MIC	38	83-NF5-030-010		PANEL, GEQ(HD)
11	81-532-080-010		LBL, CASS-COMPT	38	83-NF5-094-010		PANEL, GEQ HS(HS)
12	83-NF5-005-010		WINDOW, DISPLAY (HD)	39	83-NF5-026-010		KEY, GEQ(HD)
12	83-NF5-091-010		WINDOW, DISPLAY HS(HS)	39	83-NF5-093-010		KEY, GEQ HS(HS)
13	87-063-165-010		OIL-DMPR 150	40	83-NF5-014-210		KEY ASSY, FUN(HD)
14	83-NF5-022-010		WINDOW, CD	40	83-NF5-099-010		KEY ASSY, FUN HS(HS)
15	82-NE6-067-010		BADGE, AIWA 30N	A	87-067-641-010		UTT2+3-8(W/O SLOT)BL
16	83-NF5-013-010		KEY, POWER	B	87-067-703-010		BVT2+3-10 (W/O SLOT)
17	83-NF5-202-010		GUIDE, FL	C	87-571-032-410		VIT+2-3
18	83-NF5-206-010		GUIDE, LED	D	87-067-633-010		BVT2+3-8 W CONVEX
19	83-NF5-095-010		KEY, KARAOKE HS(HS)	E	87-067-698-010		BVT2+3-18(W/O, SLOT)
19	83-NF5-027-110		KEY, KARAOKE (HD)	F	87-067-758-010		BVT2+3-12 W/O SLOT
20	83-NF5-038-010		PANEL, TRAY H	G	87-067-688-010		BVTT+3-6
21	83-NF5-034-010		IND, CD 2	H	87-591-094-410		QIT+3-6
22	83-NF5-023-010		IND, CD	I	87-078-083-010		BVTT SEMS+4-8SW
23	83-NF5-021-010		WINDOW, TOP	J	87-721-097-410		QT2+3-12 GLD
24	83-NF5-102-010		CAB, STEEL (HS)	K	87-067-579-010		BVT2+3-8W/O SLOT
24	83-NF5-081-110		CAB, STEEL HR D(HD)	L	87-741-094-410		UT2+3-6
25	83-NF5-092-010		KEY, OPEN HS(HS)				
25	83-NF5-024-010		KEY, OPEN (HD)				
26	83-NF5-079-010		PANEL, REAR (HD)				
26	83-NF5-097-010		PANEL, REAR HSBNM(HS)				
△	27	87-050-075-010	AC CORD ASSY, H(HD)				

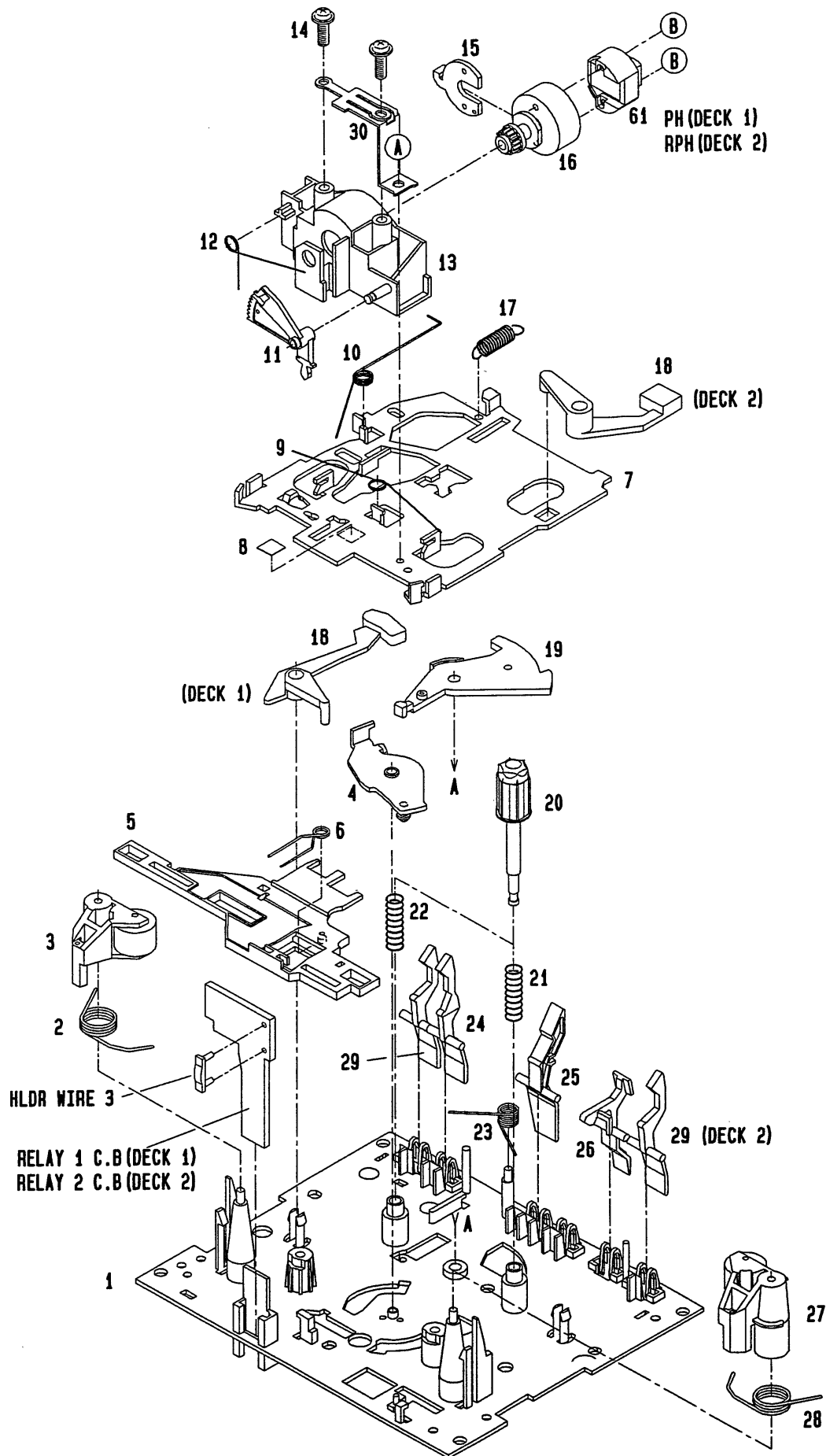
MECHANICAL EXPLODED VIEW 2/2

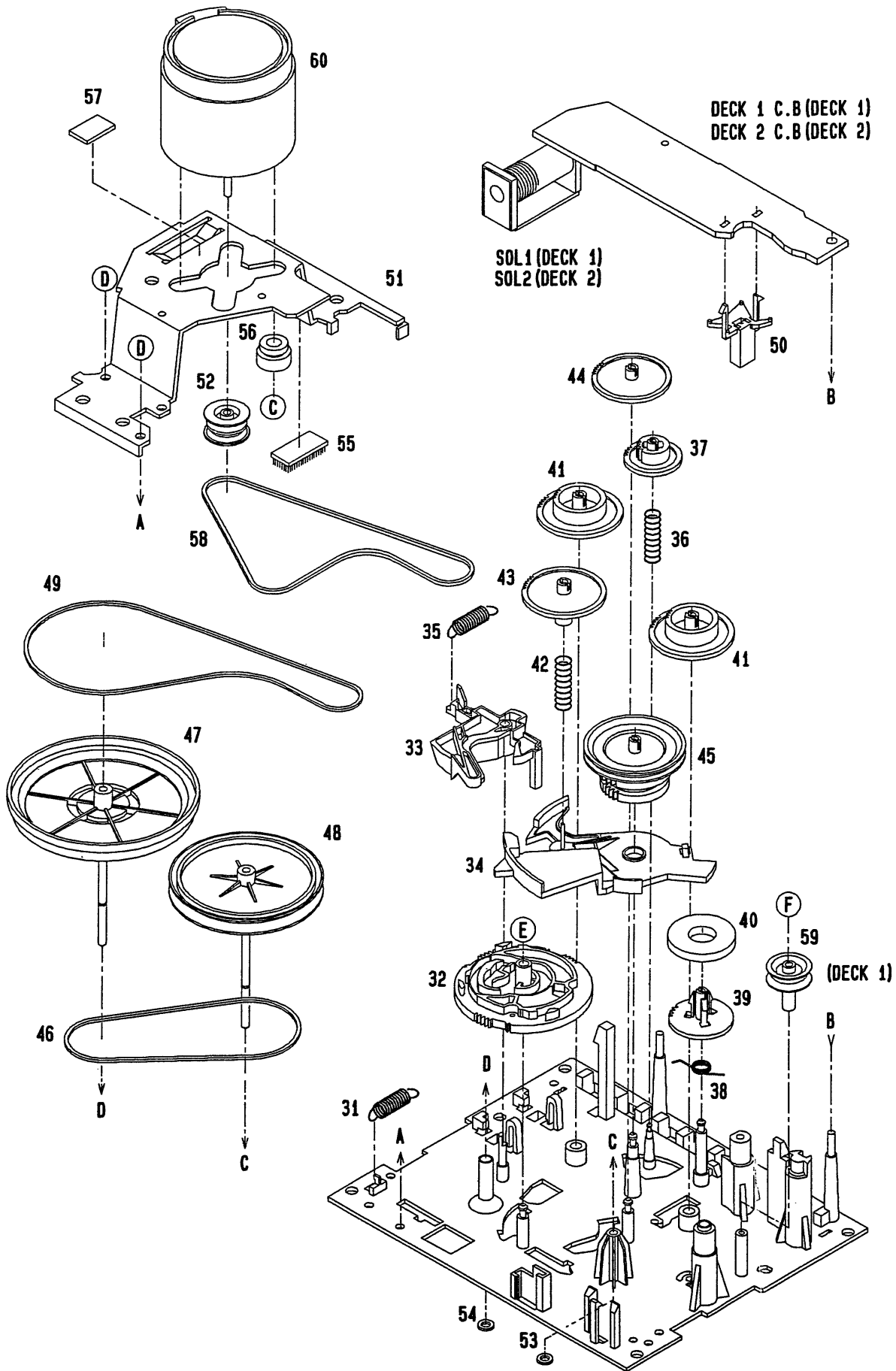


MECHANICAL PARTS LIST 2/2

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	80-CD3-214-010		CUSH CD A	24	81-ZG1-016-010		GEAR, MECH CAM BGE
2	81-ZG1-277-110		HLDR, MAGNET N	25	81-ZG1-024-010		TRAY, NO3 3NF-5
3	81-ZG1-253-510		HLDR, MECH MK2	26	81-ZG1-015-010		GEAR, TRAY CAM BLU
4	81-ZG1-276-110		WORM GEAR, TT NO2	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-ZG1-231-110		SPR-C, MECH	29	81-ZG1-260-010		SHAFT, WORM S
7	81-ZG1-212-010		PULLY, LOAD MO	A	81-653-215-010		SPECIAL SCREW VT2
8	81-ZG1-250-010		GEAR, TRAY RELAY MK2	B	81-ZG1-254-010		S-SCREW, MECH HLDR
9	81-ZG1-019-010		GEAR, TRAY B YEL	C	81-ZG1-271-010		S-SCREW, MECH REAR
10	81-ZG1-018-010		GEAR, TRAY A YEL	D	81-ZG1-239-010		S-SCREW, TT
11	81-ZG1-017-010		GEAR, RELAY RED	E	87-067-945-110		VFT2+3-12(F10)
12	81-ZG1-014-010		PULLY, RELAY YEL	F	87-251-071-410		U+2. 6-4
13	81-ZG1-240-010		SPR-P, WORM	G	87-067-579-010		BVT2+3-8W/O SLOT
14	87-036-326-010		MAGNET, CLAMPER 93	H	81-ZG1-264-010		S-SCREW, CAM
15	81-ZG1-229-110		PLATE, MAGNET (HD)	I	87-761-095-410		VFT2+3-8
15	81-ZG1-255-110		PLATE, MAGNET MK2 (HS)	J	87-078-029-010		VFT2+3-13(F8)
16	81-ZG1-232-010		BELT, TRAY	K	87-078-061-010		VFT2+3-20D1A10, GLD
17	81-ZG1-238-110		CUSH, TRAY IN				
18	81-ZG1-222-010		WORM WHEEL, TT				
19	81-ZG1-202-010		GEAR MAIN				
20	81-ZG1-252-010		LEVER, TT MK2				
21	81-ZG1-008-210		TURNTABLE, NO 2 (HS)				
21	81-ZG1-010-210		TURNTABLE, NO3 (HD)				
22	81-ZG1-020-010		PLATE, CAM BGE				
23	81-ZG1-262-010		SPR-E, CAM S				

TAPE MECHANISM EXPLODED VIEW 1/1

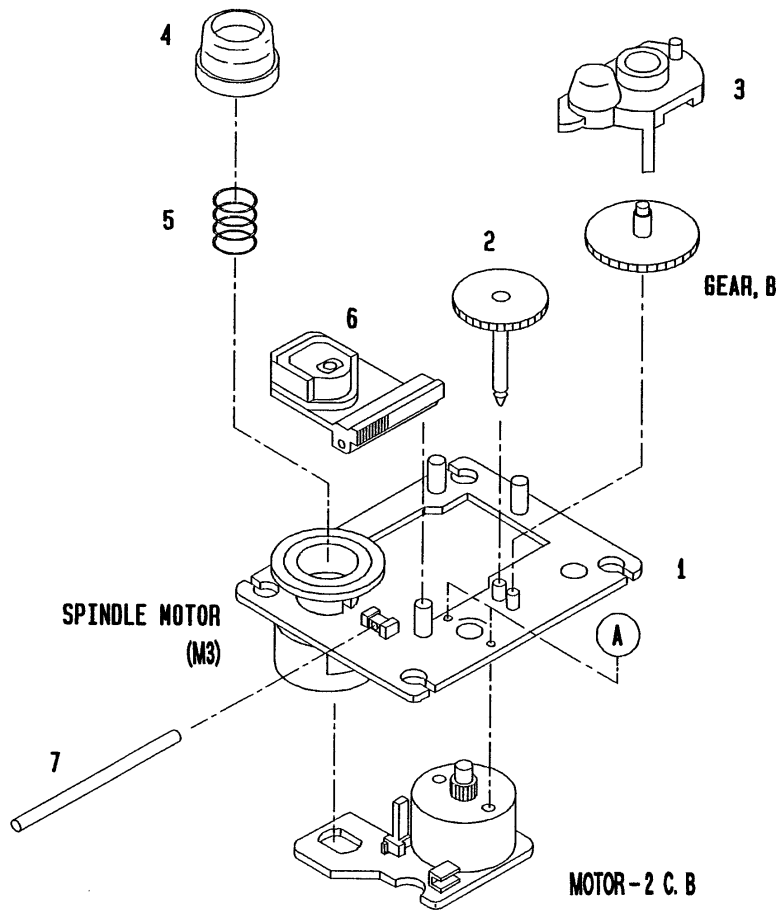




TAPE MECHANISM PARTS LIST 1/1

REF. NO	PART NO.	カソリ NO.	DESCRIPTION	REF. NO	PART NO.	カソリ NO.	DESCRIPTION
1	82-ZM3-214-110		CHAS ASSY, P (DECK 1)	39	82-ZM1-220-210		GEAR, IDLER
1	82-ZM1-299-010		CHAS ASSY, R (DECK 2)	40	80-ZM6-217-010		RING MAGNET 2
2	82-ZM1-258-010		SPR-T, PINCH L	41	82-ZM1-216-210		GEAR, REEL
3	82-ZM1-248-110		LVR ASSY, PINCH L	42	82-ZM1-276-010		SPR-C, FR
4	82-ZM1-295-210		PLATE ASSY, LINK	43	82-ZM1-225-010		GEAR, FR
5	82-ZM1-266-010		LVR, DIR	44	82-ZM1-226-010		GEAR, REW
6	82-ZM1-214-010		SPR-T, DIR	45	82-ZM1-228-210		SLIP DISK ASSY
7	82-ZM1-206-210		CHAS, HEAD	46	82-ZM1-261-110		BELT, FR
8	87-078-014-010		SH, 5-5-0.05	47	82-ZM1-237-210		FLY-WHL ASSY, R (DECK 2)
9	82-ZM1-269-010		SPR-T, BRG	47	82-ZM3-209-110		FLY-WHL ASSY, R2 (DECK 1)
10	82-ZM1-219-010		SPR-T, LINK	48	82-ZM1-234-110		FLY-WHL ASSY, L (DECK 2)
11	82-ZM1-210-010		GEAR, H T	48	82-ZM3-207-210		FLY-WHL ASSY, L2 (DECK 1)
12	82-ZM1-213-010		SPR-T, HEAD	49	82-ZM3-206-010		BELT, R
13	82-ZM1-207-010		GUIDE, TAPE	50	82-ZM1-245-210		HLDR, IC
14	82-ZM1-283-210		S-SCREW, AZIMUTH	51	82-ZM3-201-010		HLDR, MC
15	82-ZM1-209-010		PLATE, HEAD	52	82-ZM3-202-010		PULLEY, MOT 2M
16	82-ZM1-208-010		HLDR, HEAD	53	82-ZM1-288-010		SH, 1.63-3.2-0.5 SLT
17	82-ZM1-218-010		SPR-E, HB	54	80-ZM6-243-010		SH, 1.75-3.6-0.5 SLT
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	55	80-ZM6-230-010		SH, BELT
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	56	86-575-242-010		CUSH-G, DIA3.7-9-3.2
19	82-ZM1-222-010		LVR, PLAY	57	86-575-361-010		CUSH-G, 6-8-0.8
20	82-ZM1-217-110		REEL TABLE	58	82-ZM3-205-010		BELT, L
21	82-ZM1-244-110		SPR-C, BT	59	82-ZM3-204-010		PULLEY, COUPLER (DECK 1)
22	82-ZM1-285-110		SPR-C, BT L	60	87-045-347-010		MOT, SHU2L 70(M1)
23	82-ZM1-257-010		SPR-T, CAS	61	87-046-355-010		HEAD, PH HADKH2529B (PH)
24	82-ZM1-241-110		LVR, MC	61	87-046-356-010		HEAD, RPH HADKH5581B (RPH)
25	82-ZM1-242-010		LVR, CAS	A	87-585-036-410		UIT+2-8
26	82-ZM1-243-010		LVR, STOP	B	80-ZM6-207-010		V+1.6-7
27	82-ZM1-253-110		LVR ASSY, PINCH R	C	82-ZM1-309-010		S-SCRW, MOTOR
28	82-ZM1-259-010		SPR-T, PINCH R	D	87-067-178-010		VTT+2.6-3
29	82-ZM1-240-110		LVR, REC (DECK 2)	E	87-067-932-010		PW, 2.15-6.8-0.5 SLT
30	82-ZM1-298-010		SPR-P, EARTH	F	87-067-972-010		PW, 1.05-3-0.25 SLT
31	82-ZM1-255-110		SPR-E, LVR DIR				
32	82-ZM1-221-110		GEAR, CAM				
33	82-ZM1-227-110		LVR, TRIG				
34	82-ZM1-224-110		LVR, FR				
35	82-ZM1-305-010		SPR-E, TRIG 2				
36	82-ZM1-277-010		SPR-C, PLAY				
37	82-ZM1-223-010		GEAR, PLAY				
38	82-ZM1-256-110		SPR-T, FR				

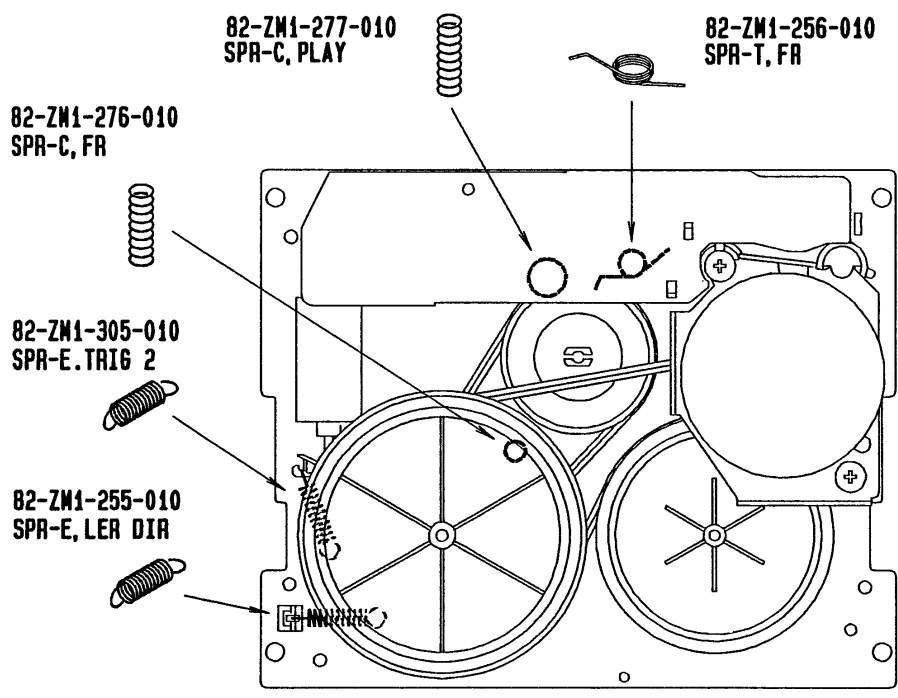
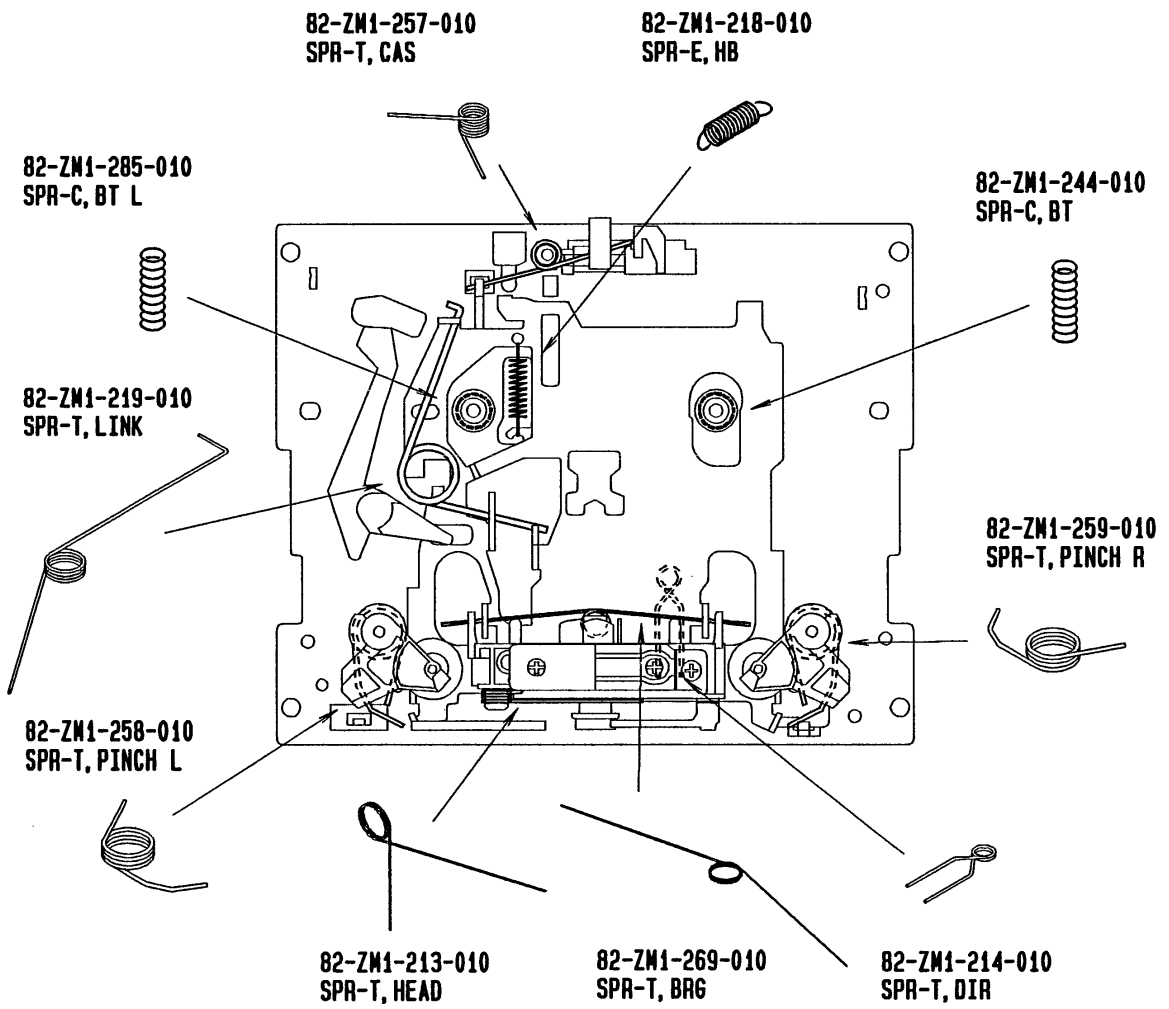
CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

REF. NO	PART NO.	カッリ NO.	DESCRIPTION	REF. NO	PART NO.	カッリ NO.	DESCRIPTION
1	9X-262-513-310		T. T CHASS ASSY W/MOTOR	6	98-848-127-110		OPTICAL PICK UP KSS-210A
2	92-625-188-020		GEAR (A)	7	94-917-565-010		SHAFT SLED
3	92-625-544-010		COVER	A	87-261-032-210		V+2-3
4	92-625-187-010		RING CENTER				
5	92-625-191-010		SPRING COMPRESSION				

SPRING APPLICATION POSITION



■ 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
1	83-NS5-001-010		PANEL FR
2	83-NS5-013-010		ADAPTOR ASSY
3	83-NS5-005-010		SPEAKER GRILL
4	83-NSF-602-010		SPEAKER WOOFER
5	83-NS5-604-010		SPEAKER MID
6	83-NS5-606-010		SPEAKER
7	83-NS5-021-010		GRILL FRAME ASSY
8	83-NS5-611-010		SPEAKER CORD Y/B
9	83-NS5-612-010		TERMINAL Y/B
10	83-NS5-613-010		SPEAKER CORD ASSY

■ ACCESSORIES/PACKAGE LIST

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

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
	87-006-268-010		AM LOOP ANT NC<UN>
	87-043-115-010		ANT, FEEDER FM
	82-NF5-718-010		CORD, PIN
	83-NF5-904-010		IB, ESC<J> <HD>
	83-NF5-910-010		IB, K<M> <HS>
	89-MX1-722-010		PLUG ADAPTOR<4. 8> <HS>
	87-009-724-010		PLUG, ADPTR, 1R39 <HD>
	83-NFF-605-010		RC, RC-TN520 EX <HD>
	83-NF5-667-010		RC, RC-TN550G HS <HS>

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, SERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
サージサプレッサ	SERGESUPPRESSOR
セラコン	CAP, CERA

MECHANICAL SECTION

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