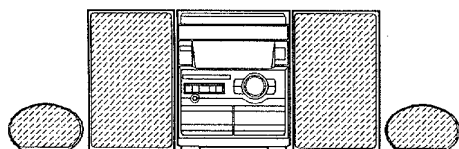


aiwa



NSX-K950



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2 PR4NM
- BASIC CD MECHANISM: 4ZG-1 VSGD

- TYPE: HC, HR

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-K950	CX-NK950	SX-NAV95 SX-R280	RC-7AS07

- If requiring information about the CD mechanism, see Service Manual of 4ZG-1.
(S/M Code No. 09-977-206-10T)
- If requiring information about the Speaker, see Service Manual of SX-NAV95/
SX-R280.
(S/M Code No. 09-974-199-4FP)

SPECIFICATIONS

<FM Tuner section>

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

<MW Tuner section>

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 μ V/m
Antenna	Loop antenna

<SW Tuner section>

Tuning range	5.900 MHz to 17.900 MHz
Antenna	Wire antenna

<Amplifier section>

Power output	Rated: 145 W + 145 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference: 180 W + 180 W (6 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	without connecting to the SURROUND SPEAKERS 0.05 % (120 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 210 mV (adjustable) MD: 210 mV (adjustable) MIC 1, MIC 2: 1.4 mV (10 kohms)
Outputs	LINE OUT: 200 mV VIDEO OUT: 1.0 Vp-p (75 ohms) SUPER WOOFER: 2.9 V SPEAKERS: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	CrO2 tape: 50 Hz -16000 Hz Normal tape: 50 Hz -15000 Hz
Signal-to-noise ratio	60 dB (Dolby B NR ON, CrO2 tape peak level)
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback/ erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.03% (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Video signal	NTSC/PAL color format (selectable)
Video data	MPEG 1
Audio data	MPEG 1, LAYER 2

<General>

Power requirements	120 V/220 - 230 V/240 V AC, switchable, 50/60 Hz
Power consumption	185 W
Dimensions of main unit (W x H x D)	260 x 309 x 370 mm
Weight of main unit	9 kg

<Speaker system SX-NAV95>

Cabinet type	2 way, bass reflex (magnetic shielded type)
Speakers	Woofer: 160 mm cone type Tweeter: 80 mm cone type
Impedance	6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	235 x 304 x 250 mm
Weight	4.4 kg

- 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.

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

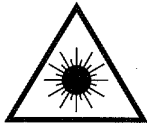
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NH4-910-010		IB, H (EC-H) I<HR>
1	87-NH4-911-010		IB, HC (EC-K) I<HC>
2	87-NH4-660-010		RC UNIT, RC-7AS07
3	87-A90-312-010		PLUG, CONVERSION WTN-1157R1
4	87-A90-064-010		FEEDER-ANT, FM (SHS)
5	87-A90-054-010		ANT, LOOP AM-CON C
6	87-043-095-010		ANT, WIRE
7	87-050-050-010		CORD, PIN 1.5M M
8	87-B50-029-010		ENVELOPE, 110-220 (HC) <HC>

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 laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

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

ATTENTION

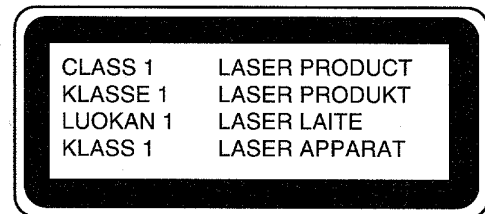
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

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

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

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

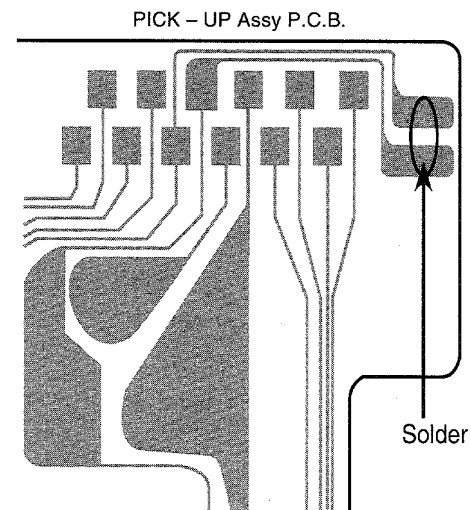


Precaution to replace Optical block

(KSS-213B)

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

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



ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C107	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-020-454-010	IC, DN6851		C108	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-NH4-610-010	C-IC, LC866548A-5E56		C109	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-070-083-010	IC, GPIU281X		C110	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-070-289-040	C-IC, BU2092F		C111	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A20-455-010	IC, HA12211		C112	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A20-355-010	IC, CXA1553P		C113	87-010-247-080		CAP,E 100-50 M SME
	87-A20-083-010	IC, BA3835S		C114	87-010-385-080		CAP,E 220-25 M SME
	87-A20-450-040	C-IC, BH3864F		C115	87-010-385-080		CAP,E 220-25 M SME
	87-A20-056-010	IC, BA3880S		C116	87-010-247-080		CAP,E 100-50 M SME
	87-A20-613-040	C-IC, BU9262AFS		C117	87-010-430-080		CAP,E 100-63
	87-A20-561-040	C-IC, M65847AFP		C118	87-010-263-080		CAP,E 100-10 SME
	87-A20-456-040	C-IC, BH3810FS		C119	87-010-260-080		CAP,E 47-25 SME
	87-017-888-080	C-IC, NJM4558MD		C120	87-010-403-080		CAP,E 3.3-50 M SME
	86-NFZ-655-010	IC, LC72131D(Z)		C121	87-012-140-080		C-CAP,S 470P-50 J CH
	87-A20-438-010	IC, LA1837		C123	87-010-247-080		CAP,E 100-50 M SME
TRANSISTOR				C124	87-010-112-080		CAP,E 100-16 M SME
	87-026-463-080	TR, 2A933S		C125	87-010-235-080		CAP,E 470-16 SME
	87-026-263-080	C-TR, RN1410		C129	87-010-393-080		CAP,E 100-35 M SME
	89-213-702-010	TR, 2SB1370E		C201	87-010-400-080		CAP,E 0.47-50 M SME
	87-A30-076-080	C-TR, 2SC3052F		C202	87-010-400-080		CAP,E 0.47-50 M SME
	87-A30-075-080	C-TR, 2SA1235F		C205	87-010-184-080		C-CAP,S 3300P-50 KB
	87-026-610-080	TR, KTC3198GR		C206	87-010-184-080		C-CAP,S 3300P-50 KB
	87-A30-073-080	C-TR, RT1N 141C		C207	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-085-070	C-TR, CSA1362GR		C208	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-083-080	TR, CSD1489B		C209	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-084-080	TR, CSB1058B		C210	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-071-080	C-TR, RT1N 144C		C211	87-010-186-080		C-CAP,S 4700P-50 KB
	87-026-211-080	C-TR, DTA144EK		C212	87-010-186-080		C-CAP,S 4700P-50 KB
	87-026-609-080	TR, KTA1266GR		C213	87-010-260-080		CAP,E 47-25 SME
	87-A30-086-070	C-TR, CSD1306E		C214	87-010-260-080		CAP,E 47-25 SME
	87-A30-106-070	C-TR, CMBT5551		C215	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A30-111-080	TR, C2N5401		C219	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-097-010	TR, FN1016		C220	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-098-010	TR, FP1016		C221	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-089-010	FET, 2SK2723		C222	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-072-080	C-TR, RT1P 144C		C223	87-010-194-080		C-CAP,S 0.047-25 ZF
	87-A30-087-080	C-FET, 2SK2158		C225	87-A10-516-080		C-CAP,S 100P-200 JC
	87-A30-074-080	C-TR, RT1P 141C		C226	87-A10-516-080		C-CAP,S 100P-200 JC
	89-327-143-080	C-TR, 2SC2714(O)		C229	87-016-461-080		C-CAP,S 0.47-16 ZF
	89-505-434-540	C-FET, 2SK543-TB(4/5)		C230	87-016-461-080		C-CAP,S 0.47-16 ZF
DIODE				C242	87-010-406-080		CAP,E 22-50 M SME
	87-A40-246-080	DIODE, 1N4148T-72		C243	87-010-197-080		C-CAP,S 0.01-25 KB
	87-017-654-060	DIODE, GBU6JL6131		C244	87-010-406-080		CAP,E 22-50 M SME
	87-017-437-080	DIODE, 1N4148M		C301	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A40-269-080	C-DIODE, MC2836		C302	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A40-270-080	C-DIODE, MC2838		C303	87-012-157-080		C-CAP,S 330P-50 J CH GRM
	87-070-274-080	DIODE, 1N4003 SEM		C304	87-012-157-080		C-CAP,S 330P-50 J CH GRM
	87-A40-205-080	ZENER, UZ6.2BSC		C305	87-012-145-080		C-CAP,S 270P-50 J CH
	87-A40-211-080	ZENER, UZ36BSA		C306	87-012-145-080		C-CAP,S 270P-50 J CH
	87-A40-206-080	ZENER, UZ10BSC		C307	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A40-004-080	ZENER, MTZJ16A		C311	87-010-198-080		C-CAP,S 0.022-25 KB
	87-A40-274-010	DIODE, FMB-G16L		C312	87-010-198-080		C-CAP,S 0.022-25 KB
	87-A40-202-080	ZENER, UZ5.1BSB		C313	87-010-180-080		C-CAP,S 1500P-50 KB
	87-017-481-080	ZENER, UZ-5.6BSB		C314	87-010-180-080		C-CAP,S 1500P-50 KB
	87-A40-192-080	ZENER, UZ4.3BSA		C315	87-010-178-080		C-CAP,S 1000P-50 KB
	87-A40-239-080	ZENER, UZ5.6BSA		C316	87-010-178-080		C-CAP,S 1000P-50 KB
				C317	87-012-142-080		C-CAP,S 0.33-16 ZF
				C318	87-012-142-080		C-CAP,S 0.33-16 ZF
				C319	87-012-141-080		C-CAP,S 0.22-16 ZF
				C320	87-012-141-080		C-CAP,S 0.22-16 ZF
				C321	87-012-141-080		C-CAP,S 0.22-16 ZF
				C322	87-012-141-080		C-CAP,S 0.22-16 ZF
				C324	87-010-260-080		CAP,E 47-25 SME
				C325	87-010-370-080		CAP,E 330-6.3 M SME
MAIN C.B				C327	87-010-404-080		CAP,E 4.7-50 M SME
C101	87-A10-231-090	CAP,E 3300-80		C328	87-010-404-080		CAP,E 4.7-50 M SME
C102	87-A10-231-090	CAP,E 3300-80		C332	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C103	87-016-658-090	CAP,E 4700-35 M SMG		C335	87-010-401-080		CAP,E 1-50 M SME
C104	87-016-658-090	CAP,E 4700-35 M SMG		C336	87-010-401-080		CAP,E 1-50 M SME
C105	87-012-368-080	C-CAP,S 0.1-50 ZF					
C106	87-012-368-080	C-CAP,S 0.1-50 ZF					

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C337	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C622	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C339	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C623	87-010-194-080	C-CAP,S	0.047-25 ZF
C340	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C629	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C351	87-012-140-080	C-CAP,S	470P-50 J CH	C646	87-010-322-080	C-CAP,S	100P-50 J CH
C352	87-012-140-080	C-CAP,S	470P-50 J CH	C647	87-010-322-080	C-CAP,S	100P-50 J CH
C354	87-010-175-080	C-CAP,S	560P-50 J SL	C650	87-010-381-080	CAP,E	330-16 SME
C355	87-010-178-080	C-CAP,S	1000P-50 KB	C701	87-010-381-080	CAP,E	330-16 SME
C356	87-010-260-080	CAP,E	47-25 SME	C702	87-010-404-080	CAP,E	4.7-50 M SME
C357	87-010-197-080	C-CAP,S	0.01-25 KB	C703	87-010-197-080	C-CAP,S	0.01-25 KB
C358	87-010-183-080	C-CAP,S	2700P-50 KB	C704	87-010-197-080	C-CAP,S	0.01-25 KB
C359	87-010-183-080	C-CAP,S	2700P-50 KB	C711	87-010-263-080	CAP,E	100-10 SME
C360	87-010-183-080	C-CAP,S	2700P-50 KB	C712	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C370	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C713	87-010-197-080	C-CAP,S	0.01-25 KB
C371	87-010-179-080	C-CAP,S	1200P-50 KB	C714	87-010-197-080	C-CAP,S	0.01-25 KB
C372	87-010-179-080	C-CAP,S	1200P-50 KB	C721	87-010-312-080	C-CAP,S	15P-50 J CH
C373	87-010-179-080	C-CAP,S	1200P-50 KB	C722	87-010-312-080	C-CAP,S	15P-50 J CH
C374	87-010-179-080	C-CAP,S	1200P-50 KB	C723	87-010-178-080	C-CAP,S	1000P-50 KB
C375	87-010-545-080	CAP,E	0.22-50 M SME	C725	87-010-178-080	C-CAP,S	1000P-50 KB
C376	87-010-545-080	CAP,E	0.22-50 M SME	C727	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C378	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C728	87-010-248-080	CAP,E	220-10 SME
C381	87-010-197-080	C-CAP,S	0.01-25 KB	C755	87-010-197-080	C-CAP,S	0.01-25 KB
C382	87-010-318-080	C-CAP,S	47P-50 J CH	C756	87-010-197-080	C-CAP,S	0.01-25 KB
C383	87-010-197-080	C-CAP,S	0.01-25 KB	C757	87-010-318-080	C-CAP,S	47P-50 J CH
C384	87-010-402-080	CAP,E	2.2-50 M SME	C758	87-010-149-080	C-CAP,S	5P-50 CH
C385	87-010-184-080	C-CAP,S	3300P-50 KB	C761	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C386	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C762	87-010-197-080	C-CAP,S	0.01-25 KB
C388	87-010-154-080	C-CAP,S	10P-50 D CH	C763	87-010-194-080	C-CAP,S	0.047-25 ZF
C401	87-010-187-080	C-CAP,S	5600P-50 KB	C765	87-010-197-080	C-CAP,S	0.01-25 KB
C402	87-010-187-080	C-CAP,S	5600P-50 KB	C766	87-010-197-080	C-CAP,S	0.01-25 KB
C403	87-010-405-080	CAP,E	10-50 M SME	C767	87-010-405-080	CAP,E	10-50 M SME
C404	87-010-405-080	CAP,E	10-50 M SME	C768	87-010-197-080	C-CAP,S	0.01-25 KB
C405	87-010-260-080	CAP,E	47-25 SME	C769	87-010-408-080	CAP,E	47-50 SME
C406	87-010-101-080	CAP,E	220-16 SME	C770	87-015-821-080	C-CAP,S	0.047-50 ZF GR
C407	87-010-188-080	C-CAP,S	6800P-50 KB	C771	87-010-407-080	CAP,E	33-50 SME
C408	87-010-188-080	C-CAP,S	6800P-50 KB	C772	87-010-194-080	C-CAP,S	0.047-25 ZF
C409	87-012-140-080	C-CAP,S	470P-50 J CH	C773	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C410	87-012-140-080	C-CAP,S	470P-50 J CH	C774	87-010-263-080	CAP,E	100-10 SME
C411	87-010-197-080	C-CAP,S	0.01-25 KB	C775	87-010-404-080	CAP,E	4.7-50 M SME
C412	87-010-197-080	C-CAP,S	0.01-25 KB	C777	87-010-400-080	CAP,E	0.47-50 M SME
C413	87-010-195-080	C-CAP,S	0.068-25 ZF C2012	C778	87-010-401-080	CAP,E	1-50 M SME
C414	87-010-195-080	C-CAP,S	0.068-25 ZF C2012	C779	87-010-401-080	CAP,E	1-50 M SME
C415	87-010-404-080	CAP,E	4.7-50 M SME	C780	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C416	87-010-404-080	CAP,E	4.7-50 M SME	C781	87-010-405-080	CAP,E	10-50 M SME
C417	87-010-404-080	CAP,E	4.7-50 M SME	C782	87-010-405-080	CAP,E	10-50 M SME
C418	87-010-404-080	CAP,E	4.7-50 M SME	C783	87-015-819-080	C-CAP,S	0.01-50 K B
C421	87-010-401-080	CAP,E	1-50 M SME	C784	87-010-197-080	C-CAP,S	0.01-25 KB
C422	87-010-401-080	CAP,E	1-50 M SME	C785	87-010-400-080	CAP,E	0.47-50 M SME
C503	87-012-154-080	C-CAP,S	150P-50 J CH GRM	C786	87-010-400-080	CAP,E	0.47-50 M SME
C504	87-012-154-080	C-CAP,S	150P-50 J CH GRM	C787	87-010-184-080	C-CAP,S	3300P-50 KB
C505	87-012-145-080	C-CAP,S	270P-50 J CH	C788	87-010-184-080	C-CAP,S	3300P-50 KB
C506	87-012-145-080	C-CAP,S	270P-50 J CH	C789	87-010-179-080	C-CAP,S	1200P-50 KB
C507	87-010-183-080	C-CAP,S	2700P-50 KB	C790	87-010-179-080	C-CAP,S	1200P-50 KB
C509	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C791	87-010-405-080	CAP,E	10-50 M SME
C510	87-010-177-080	C-CAP,S	820P-50 J SL	C793	87-010-178-080	C-CAP,S	1000P-50 KB
C511	87-010-177-080	C-CAP,S	820P-50 J SL	C794	87-010-406-080	CAP,E	22-50 M SME
C512	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C795	87-010-596-080	C-CAP,S	0.047-16 KR
C513	87-010-374-080	CAP,E	47-10 M SME	C796	87-010-403-080	CAP,E	3.3-50 M SME
C514	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C797	87-010-180-080	C-CAP,S	1500P-50 KB
C515	87-010-263-080	CAP,E	100-10 SME	C798	87-010-180-080	C-CAP,S	1500P-50 KB
C517	87-010-183-080	C-CAP,S	2700P-50 KB	C799	87-010-194-080	C-CAP,S	0.047-25 ZF
C527	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C812	87-010-197-080	C-CAP,S	0.01-25 KB
C605	87-010-180-080	C-CAP,S	1500P-50 KB	C814	87-010-197-080	C-CAP,S	0.01-25 KB
C606	87-010-180-080	C-CAP,S	1500P-50 KB	C820	87-010-408-080	CAP,E	47-50 SME
C611	87-016-081-080	C-CAP,S	0.1-16 KR	C821	87-010-197-080	C-CAP,S	0.01-25 KB
C613	87-010-404-080	CAP,E	4.7-50 M SME	C822	87-010-197-080	C-CAP,S	0.01-25 KB
C614	87-010-404-080	CAP,E	4.7-50 M SME	C823	87-010-197-080	C-CAP,S	0.01-25 KB
C615	87-010-183-080	C-CAP,S	2700P-50 KB	C828	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C619	87-010-263-080	CAP,E	100-10 SME	C829	87-010-196-080	C-CAP,S	0.1-25 ZF C2012
C620	87-010-196-080	C-CAP,S	0.1-25 ZF C2012	C940	87-010-197-080	C-CAP,S	0.01-25 KB
C621	87-010-263-080	CAP,E	100-10 SME	C941	87-010-314-080	C-CAP,S	22P-50 J CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C943	87-010-197-080		C-CAP,S 0.01-25 KB	C109	87-010-494-040		CAP,E 1-50 5L SRE
C944	87-014-051-080		CAP,PP 560P-100 J	C110	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C945	87-010-197-080		C-CAP,S 0.01-25 KB	C111	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C947	87-010-197-080		C-CAP,S 0.01-25 KB	C112	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C950	87-014-073-080		CAP,PP 4700P-100 J	C113	87-A10-189-040		CAP,E 220-10 M
C952	87-010-197-080		C-CAP,S 0.01-25 KB	C114	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C953	87-010-197-080		C-CAP,S 0.01-25 KB	C115	87-010-178-080		C-CAP,S 1000P-50 KB
C954	87-010-400-080		CAP,E 0.47-50 M SME	C116	87-010-494-040		CAP,E 1-50 5L SRE
C956	87-010-263-080		CAP,E 100-10 SME	C117	87-010-555-040		CAP,E 100-10 5L SRE
C959	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C118	87-010-194-080		C-CAP,S 0.047-25 ZF
C960	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C119	87-010-408-040		CAP,E 47-50 M SME
C962	87-010-401-080		CAP,E 1-50 M SME	C120	87-010-404-040		CAP,E 4.7-50 SME
CF801	87-008-261-010		FLTR,CFSFE10.7MA5	C121	87-010-404-040		CAP,E 4.7-50 SME
CF802	87-008-261-010		FLTR,CFSFE10.7MA5	C122	87-010-194-080		C-CAP,S 0.047-25 ZF
FC602	88-906-241-110		FF-CABLE, 6P 1.25	C123	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
FFE801	A8-72A-291-030		72A-2 YFEUNM	C124	87-018-209-080		CAP,TC U 0.1-50 ZF UP050
J252	87-A60-024-010		JACK,DIA6.3 BLK ST W/SW KM	C125	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
J253	87-099-474-010		JACK,PIN 3P BLK W/SW	C127	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
J254	87-A60-238-010		TERMINAL,SP 4P(MSC)	C130	87-010-178-080		C-CAP,S 1000P-50 KB
J601	87-A60-426-010		JACK,PIN 6P YKC21-3835	C201	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02	C351	87-012-158-080		C-CAP,S 390P-50 J CH GRM
L201	87-003-383-010		COIL,1UH K	C352	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L202	87-003-383-010		COIL,1UH K	C353	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L301	87-A50-049-010		COIL,TRAP 85K(COI)	C354	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L302	87-A50-049-010		COIL,TRAP 85K(COI)	C355	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L351	87-007-342-010		COIL,OSC 85KHZ BIAS	C356	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L601	87-003-231-080		C-COIL,2125 1UH K ML	C357	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L770	87-005-849-080		COIL,10UH K CECS	C403	87-010-992-080		C-CAP,S 0.047-25 KB MK212
L771	87-A50-165-010		COIL,FM DET-N(TOK)	C404	87-010-992-080		C-CAP,S 0.047-25 KB MK212
L772	87-A90-052-010		FLTR,CFMT-450A(TOK)	C405	87-010-401-040		CAP,E 1-50 M SME
L791	87-A50-027-010		COIL,1 POLE MPX(TOK)	C406	87-010-494-040		CAP,E 1-50 5L SRE
L792	87-A50-027-010		COIL,1 POLE MPX(TOK)	C407	87-010-184-080		C-CAP,S 3300P-50 KB
L832	87-005-847-080		COIL,2.2UH K CECS	C408	87-010-184-080		C-CAP,S 3300P-50 KB
L941	87-A50-022-010		COIL,ANT SW(COI) 7.96MHZ	C409	87-010-592-080		C-CAP,S 0.022-16 KR GRM
L942	87-A50-173-010		COIL,OSC SW-N(COI)	C410	87-010-592-080		C-CAP,S 0.022-16 KR GRM
L943	87-005-372-080		COIL,1MH K LAL03	C411	87-A10-201-080		C-CAP,S 0.33-16 KB
L944	87-A50-159-010		COIL,10MH K C2B	C412	87-A10-201-080		C-CAP,S 0.33-16 KB
L981	86-NF4-666-010		COIL,AM PACK 3(TOK)	C413	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
PR201	87-026-682-080		PROTECTOR,10A 491SERIES 60V	C414	87-010-374-040		CAP,E 47-10 SME
PR202	87-026-682-080		PROTECTOR,10A 491SERIES 60V	C415	87-010-374-040		CAP,E 47-10 SME
R231	87-A00-262-080		RES,M/F 0.15-2W J	C416	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
R232	87-A00-262-080		RES,M/F 0.15-2W J	C417	87-016-081-080		C-CAP,S 0.1-16 KR
RY101	87-045-389-010		RELAY,12V OSA-SS-212DM5	C418	87-010-405-040		CAP,E 10-50 M SME
RY201	87-045-382-010		RELAY,12V OUAZ-SH-112L	C501	87-010-319-080		C-CAP,S 56P-50 J CH
SFR301	87-024-435-080		SFR,33K H RH063MC	C502	87-010-319-080		C-CAP,S 56P-50 J CH
SFR302	87-024-435-080		SFR,33K H RH063MC	C503	87-012-393-080		C-CAP,S 0.22-16 K W5R CM/CB
SFR303	87-024-435-080		SFR,33K H RH063MC	C504	87-010-197-080		C-CAP,S 0.01-25 KB
SFR304	87-024-435-080		SFR,33K H RH063MC	C505	87-010-180-080		C-CAP,S 1500P-50 KB
SFR305	87-024-436-080		SFR,47K H RH063MC	C506	87-010-213-080		C-CAP,S 0.015-25 KB
SFR306	87-024-436-080		SFR,47K H RH063MC	C507	87-010-213-080		C-CAP,S 0.015-25 KB
SFR351	87-024-436-080		SFR,47K H RH063MC	C508	87-010-197-080		C-CAP,S 0.01-25 KB
SFR352	87-024-436-080		SFR,47K H RH063MC	C509	87-010-181-080		C-CAP,S 1800P-50 KB
TC941	87-011-220-080		TRIMMER,CER 20P 6.15X5.9VCT51	C510	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
TC942	87-011-221-080		TRIMMER,CER 30P 6.15X5.9VCT51	C511	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
TH201	87-A90-221-080		C-THMS,100K	C512	87-010-374-040		CAP,E 47-10 SME
TH202	87-A90-221-080		C-THMS,100K	C513	87-010-401-040		CAP,E 1-50 M SME
W1	85-NF5-628-010		F-CABLE,7P-2.5	C514	87-010-401-040		CAP,E 1-50 M SME
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309	C515	87-010-183-080		C-CAP,S 2700P-50 KB
X771	87-030-354-010		VIB,CER 450.0KHZ BPU C	C516	87-010-183-080		C-CAP,S 2700P-50 KB
				C518	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
FRONT C.B				C519	87-010-264-010		CAP,E 100-10 M 5L SR
C101	87-010-198-080		C-CAP,S 0.022-25 KB	C533	87-010-545-040		CAP,E 0.22-50 M SME
C102	87-010-198-080		C-CAP,S 0.022-25 KB	C601	87-010-405-040		CAP,E 10-50 M SME
C103	87-010-197-080		C-CAP,S 0.01-25 KB	C602	87-010-186-080		C-CAP,S 4700P-50 KB
C104	87-010-312-080		C-CAP,S 15P-50 J CH	C603	87-010-405-040		CAP,E 10-50 M SME
C105	87-010-316-080		C-CAP,S 33P-50 J CH	C604	87-010-382-040		CAP,E 22-25 SME
C106	87-010-320-080		C-CAP,S 68P-50 J CH	C605	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C107	87-012-157-080		C-CAP,S 330P-50 J CH GRM	C607	87-010-321-080		C-CAP,S 82P-50 J CH
C108	87-010-405-040		CAP,E 10-50 M SME	C608	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
				C609	87-010-545-040		CAP,E 0.22-50 M SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C611	87-010-177-080		C-CAP,S 820P-50 J SL
C614	87-010-248-040		CAP,E 220-10 M SME
FB601	87-008-372-080		FLTR,EMIBL01 RN1
FC102	85-NF5-618-010		CABLE,FFC 13P-1.25
FC104	85-NF5-615-010		CABLE,FFC 15P-1.25
FC301	85-NF5-617-010		CABLE,FFC 6P-1.25
FL101	87-NF4-640-010		FL,BJ529GK
J601	82-NF7-630-010		JACK,3.5MO
J602	82-NF7-630-010		JACK,3.5MO
L501	87-005-448-080		COIL,220UH K FLR50
LED201	87-A40-317-080		LED,SLR-342VCT31 RED
LED202	87-A40-317-080		LED,SLR-342VCT31 RED
LED203	87-A40-317-080		LED,SLR-342VCT31 RED
LED204	87-A40-317-080		LED,SLR-342VCT31 RED
LED205	87-A40-317-080		LED,SLR-342VCT31 RED
LED206	87-A40-316-080		LED,SLR-56PCT31 GRN
LED207	87-A40-316-080		LED,SLR-56PCT31 GRN
LED208	87-A40-316-080		LED,SLR-56PCT31 GRN
LED209	87-A40-316-080		LED,SLR-56PCT31 GRN
LED210	87-A40-316-080		LED,SLR-56PCT31 GRN
LED211	87-A40-316-080		LED,SLR-56PCT31 GRN
LED212	87-A40-316-080		LED,SLR-56PCT31 GRN
LED213	87-A40-316-080		LED,SLR-56PCT31 GRN
LED214	87-A40-316-080		LED,SLR-56PCT31 GRN
LED215	87-A40-316-080		LED,SLR-56PCT31 GRN
LED216	87-A40-264-080		LED,SLH-56PCTE7 GRN
LED217	87-A40-264-080		LED,SLH-56PCTE7 GRN
LED218	87-A40-264-080		LED,SLH-56PCTE7 GRN
LED219	87-A40-264-080		LED,SLH-56PCTE7 GRN
LED220	87-A40-264-080		LED,SLH-56PCTE7 GRN
LED221	87-A40-264-080		LED,SLH-56PCTE7 GRN
LED233	87-A40-265-010		LED,SLH-56PCL GRN
LED234	87-A40-265-010		LED,SLH-56PCL GRN
LED235	87-A40-267-010		LED,SLH-56VCL RED
LED236	87-A40-267-010		LED,SLH-56VCL RED
LED237	87-A40-265-010		LED,SLH-56PCL GRN
LED238	87-A40-265-010		LED,SLH-56PCL GRN
S300	87-A90-095-080		SW,TACT EVQ11G04M
S302	87-A90-095-080		SW,TACT EVQ11G04M
S303	87-A90-095-080		SW,TACT EVQ11G04M
S304	87-A90-095-080		SW,TACT EVQ11G04M
S305	87-A90-095-080		SW,TACT EVQ11G04M
S306	87-A90-095-080		SW,TACT EVQ11G04M
S307	87-A90-095-080		SW,TACT EVQ11G04M
S308	87-A90-095-080		SW,TACT EVQ11G04M
S314	87-A90-095-080		SW,TACT EVQ11G04M
S315	87-A90-095-080		SW,TACT EVQ11G04M
S316	87-A90-095-080		SW,TACT EVQ11G04M
S317	87-A90-095-080		SW,TACT EVQ11G04M
S318	87-A90-095-080		SW,TACT EVQ11G04M
S319	87-A90-095-080		SW,TACT EVQ11G04M
S320	87-A90-095-080		SW,TACT EVQ11G04M
S321	87-A90-095-080		SW,TACT EVQ11G04M
S322	87-A90-095-080		SW,TACT EVQ11G04M
S326	87-A90-095-080		SW,TACT EVQ11G04M
S327	87-A90-095-080		SW,TACT EVQ11G04M
S328	87-A90-095-080		SW,TACT EVQ11G04M
S329	87-A90-095-080		SW,TACT EVQ11G04M
S330	87-A90-095-080		SW,TACT EVQ11G04M
S331	87-A90-095-080		SW,TACT EVQ11G04M
S332	87-A90-095-080		SW,TACT EVQ11G04M
S339	87-A90-095-080		SW,TACT EVQ11G04M
S340	87-A90-095-080		SW,TACT EVQ11G04M
S341	87-A90-095-080		SW,TACT EVQ11G04M
SW101	87-A90-471-010		SW,RTRY EC16B24304-25 NON
X101	87-A70-070-080		VIB,CER 5.76MHZ CRHF

KEY C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
LED230	87-A40-317-080		LED,SLR-342VCT31 RED
LED231	87-A40-317-080		LED,SLR-342VCT31 RED
LED232	87-A40-317-080		LED,SLR-342VCT31 RED
S309	87-A90-095-080		SW,TACT EVQ11G04M
S310	87-A90-095-080		SW,TACT EVQ11G04M
S311	87-A90-095-080		SW,TACT EVQ11G04M
S312	87-A90-095-080		SW,TACT EVQ11G04M
S313	87-A90-095-080		SW,TACT EVQ11G04M
FAN C.B			
C130	87-010-401-080		CAP,E 1-50 M SME
C131	87-010-263-080		CAP,E 100-10 SME
C132	87-010-380-080		CAP,E 47-16 M SME
AC1 C.B			
△ F101	87-035-368-010		FUSE,4A 250V T
△ F102	87-035-368-010		FUSE,4A 250V T
△ FC1	87-033-147-010		FUSE CLAMP,MT-20
△ FC2	87-033-147-010		FUSE CLAMP,MT-20
△ FC3	87-033-147-010		FUSE CLAMP,MT-20
△ FC4	87-033-147-010		FUSE CLAMP,MT-20
△ PT101	87-NF4-631-010		PT,7NF-4 HR
△ SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301
△ T1	87-A60-317-010		TERMINAL,1P MSC
△ T2	87-A60-317-010		TERMINAL,1P MSC
AC2 C.B			
△ PR1	87-026-682-080		PROTECTOR,10A 491SERIES 60V
△ PR2	87-026-682-080		PROTECTOR,10A 491SERIES 60V
△ PR5	87-026-682-080		PROTECTOR,10A 491SERIES 60V
△ PR6	87-026-682-080		PROTECTOR,10A 491SERIES 60V
DECK C.B			
CON502	87-099-756-010		CONN,15P 9604S F
SFR1	87-024-581-010		SFR,3.3K DIA 6H
SOL1	82-ZM1-618-310		SOL ASSY,27
SOL2	82-ZM1-618-310		SOL ASSY,27
SW1	87-036-110-010		SW,MICRO SPPB62
SW2	87-036-110-010		SW,MICRO SPPB62
SW3	87-036-110-010		SW,MICRO SPPB62
SW4	87-036-110-010		SW,MICRO SPPB62
SW5	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW6	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW8	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW9	87-A90-248-010		SW,MICRO ESE11SH2CXQ
W1	82-ZM3-601-010		RBN-CORD,4P-75
HEAD-1 C.B			
CON301	85-ZM3-602-010		PWB,FLEX I
	87-NF6-615-010		CONN ASSY,3P-PB
HEAD-2 C.B			
CON351	85-ZM3-602-010		PWB,FLEX I
	87-NF6-616-010		CONN ASSY,8P-RPB

TRANSISTOR ILLUSTRATION



E C B

KTA1266
KTC3198



E C B

CSD1489
CSB1058



E C B

2SA933



E B C

C2N5401



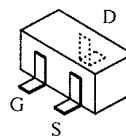
B C E

2SB1370
FN1016
FP1016

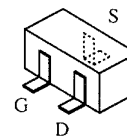


G D S

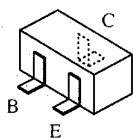
2SK2723



2SK2158



2SK543



2SA1235 DTA144EK
2SC2714 RN1410
2SC3052 RT1N141C
CMBT5551 RT1N144C
CSA1362 RT1P141C
CSD1306 RT1P144C

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



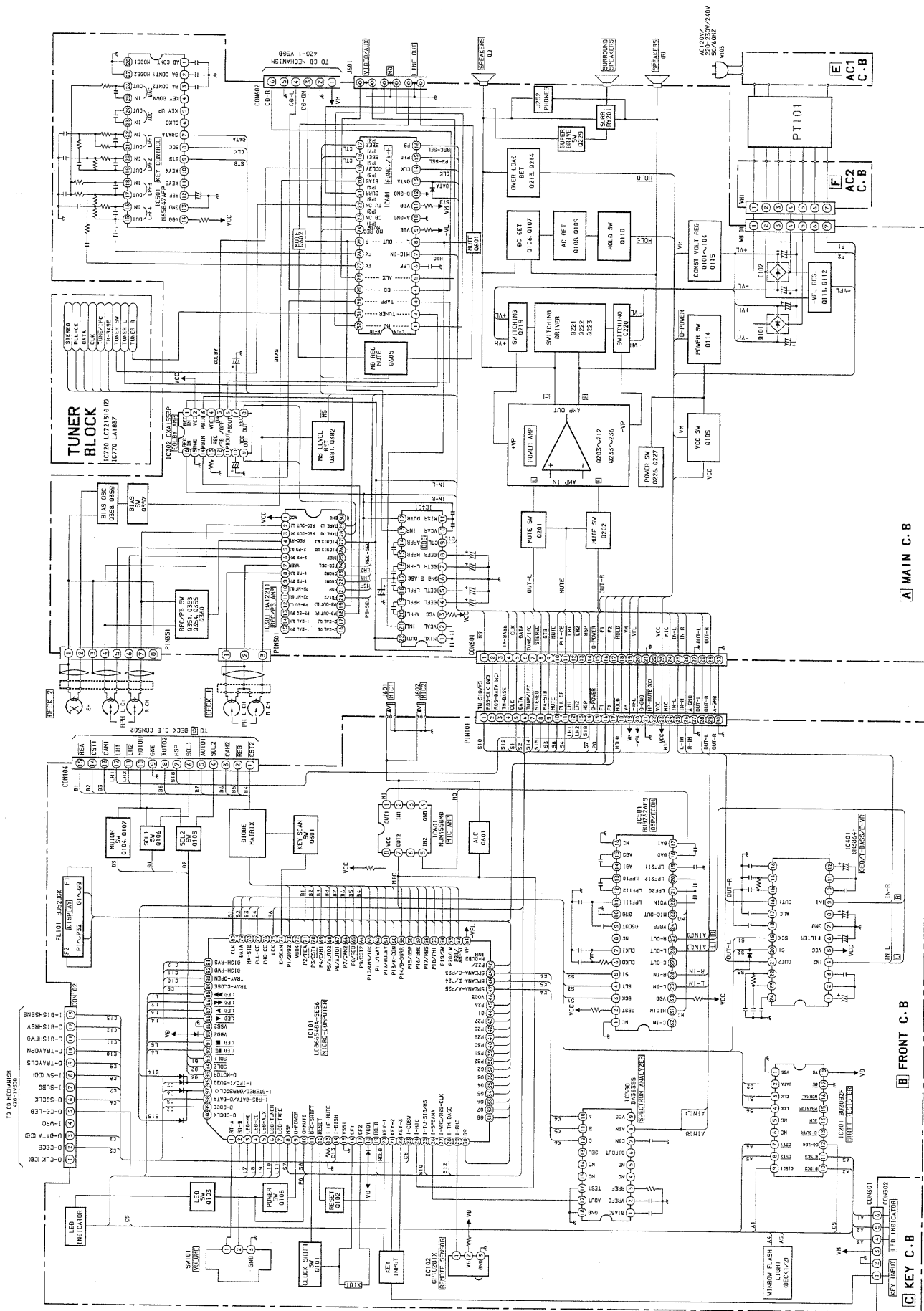
A
抵抗部品コード
Resistor Code

桁表示
Figure
抵抗値
Value of resistor

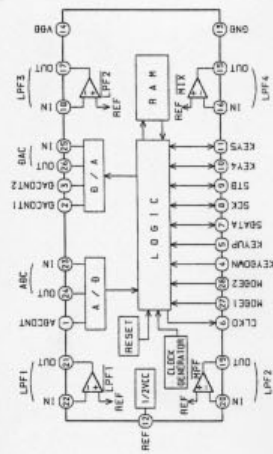
チップ抵抗
Chip resistor

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

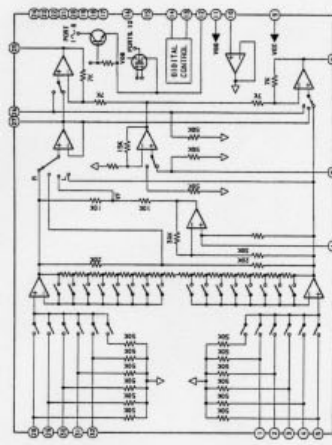
BLOCK DIAGRAM (MAIN / FRONT)



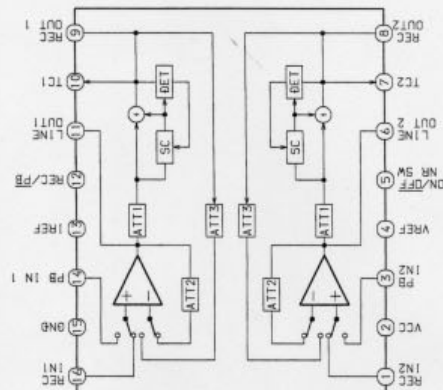
IC BLOCK DIAGRAM - 1
IC, M65847AFP



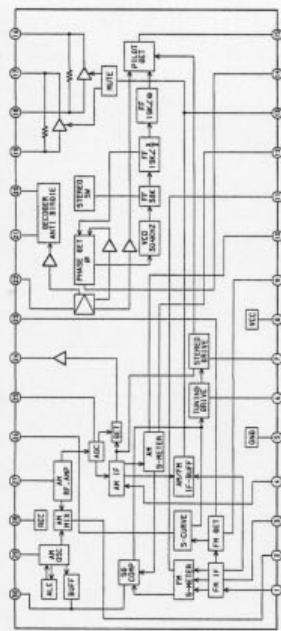
IC, BH3810FS



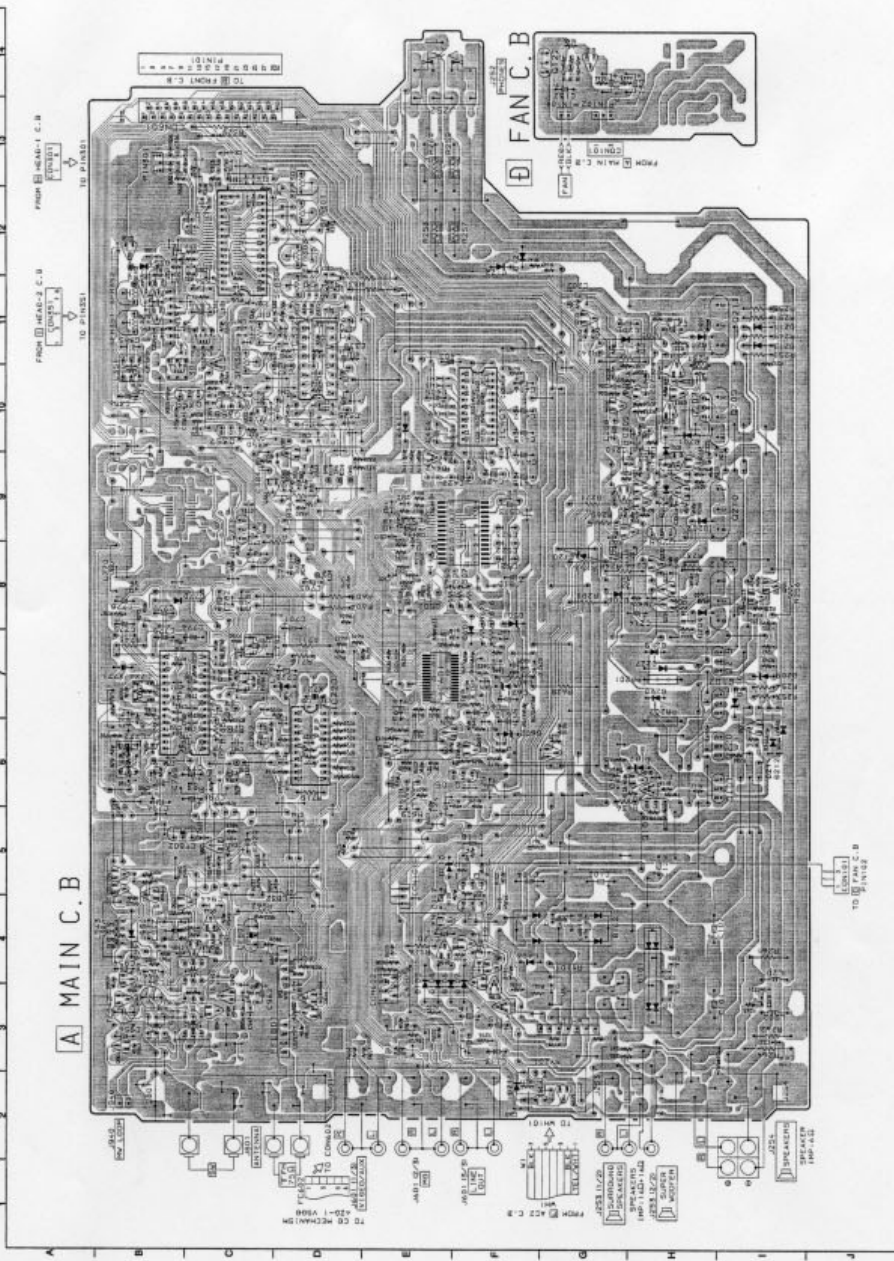
IC, CXA1553P

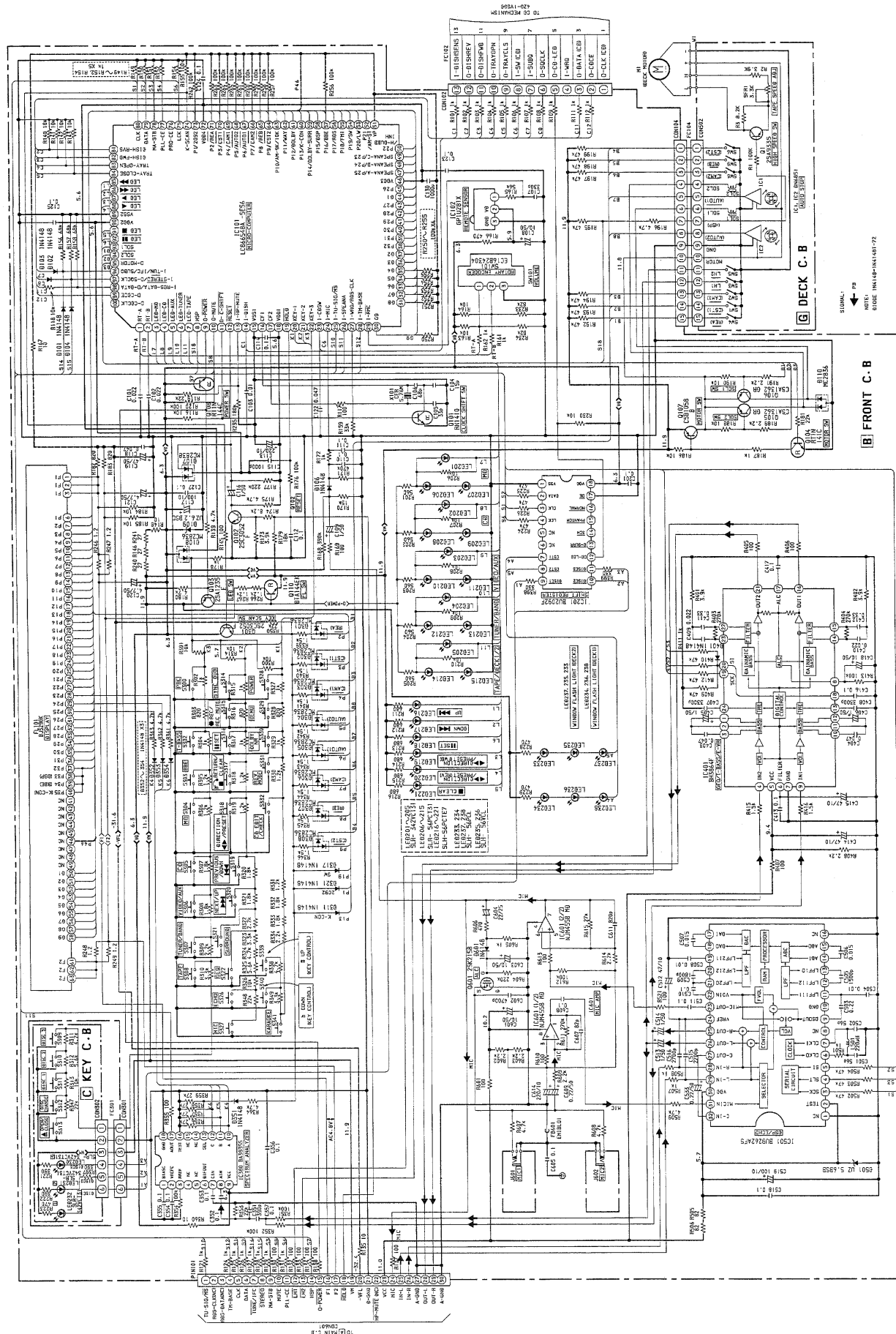


IC, LA1837



WIRING - 1 (MAIN)

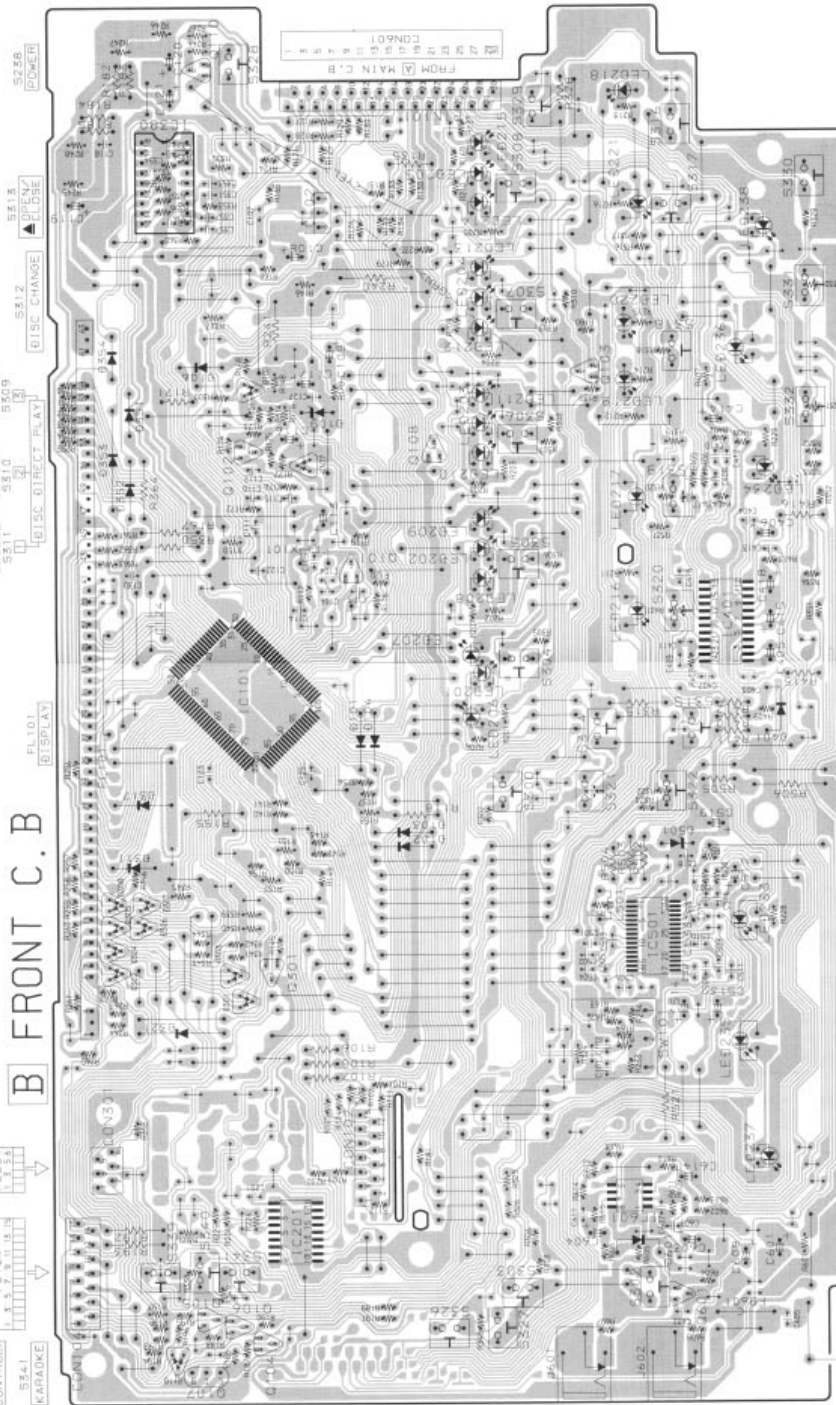




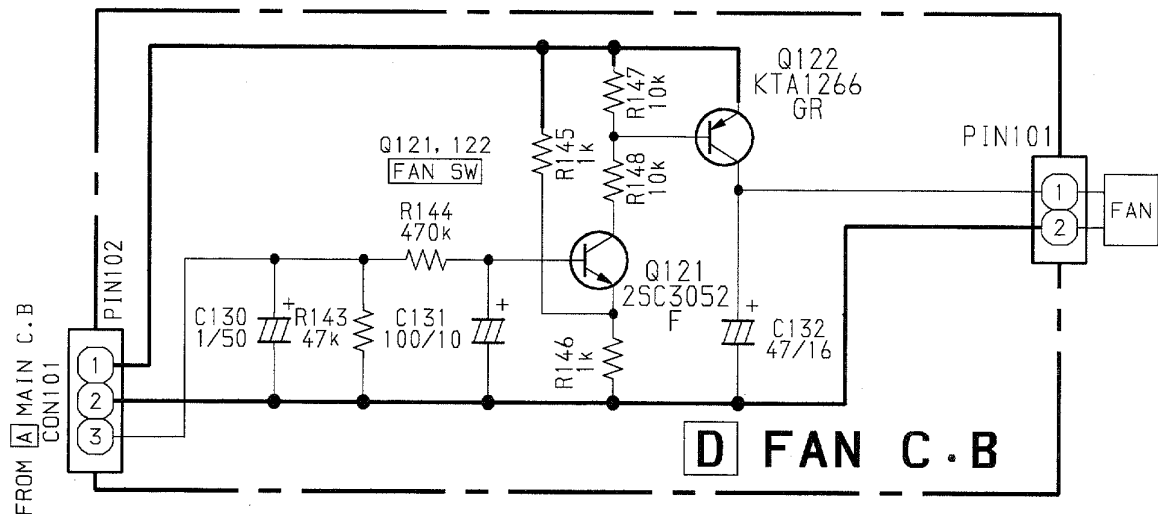
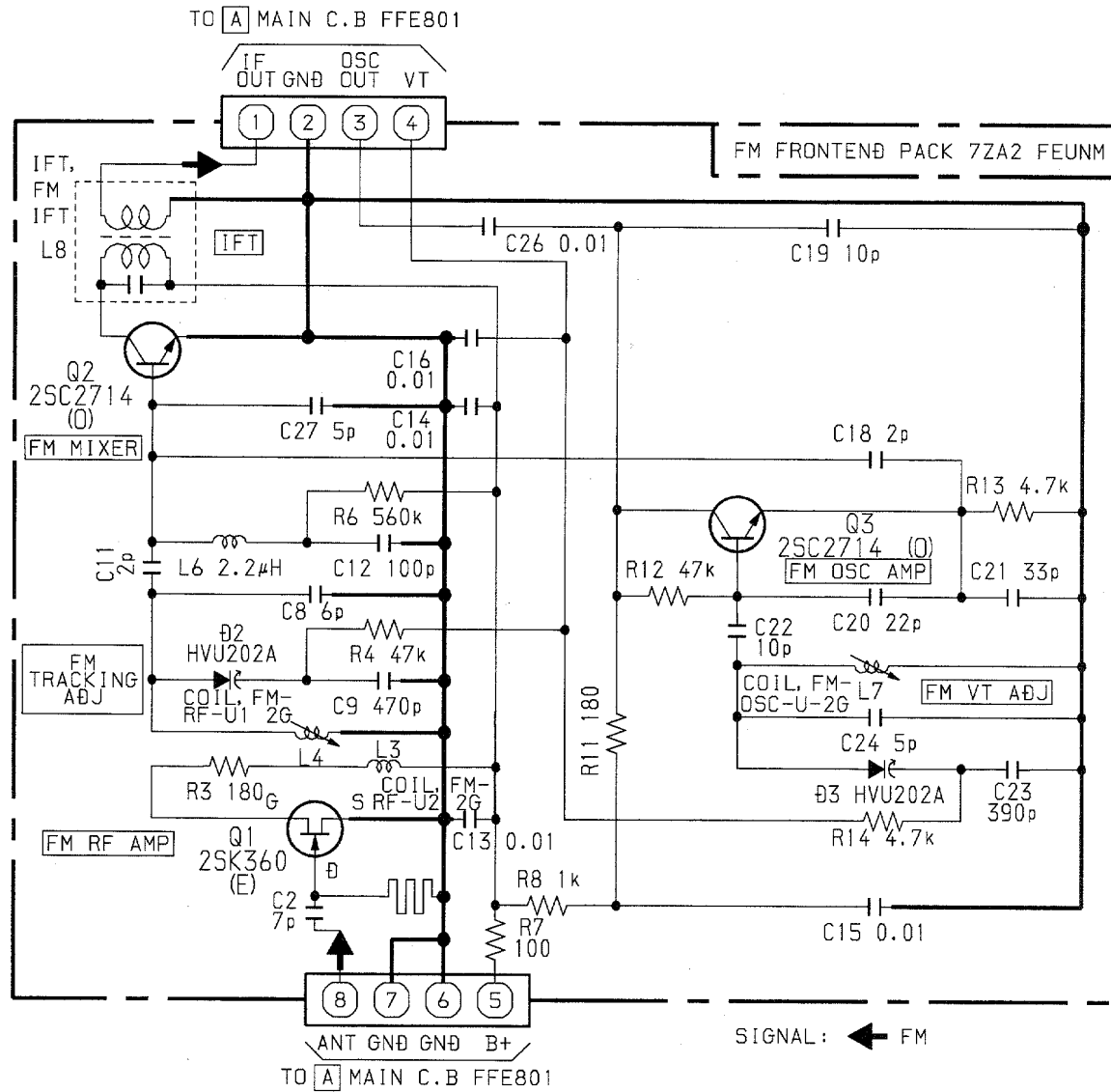
C KEY C.B



B FRONT C.B

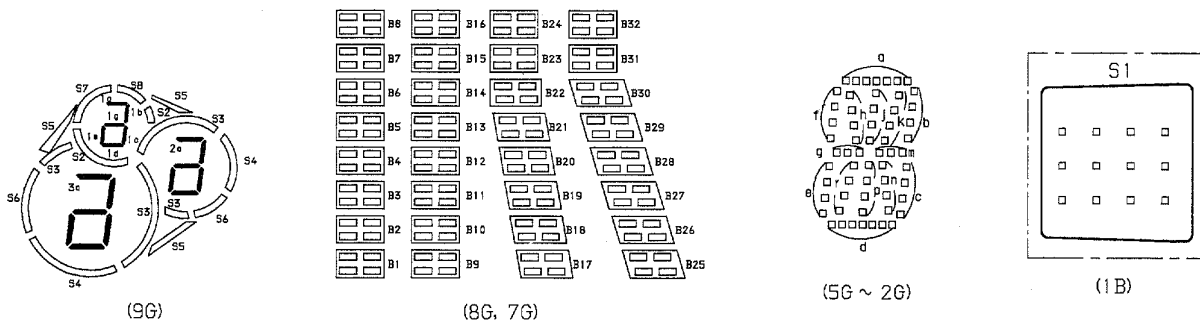
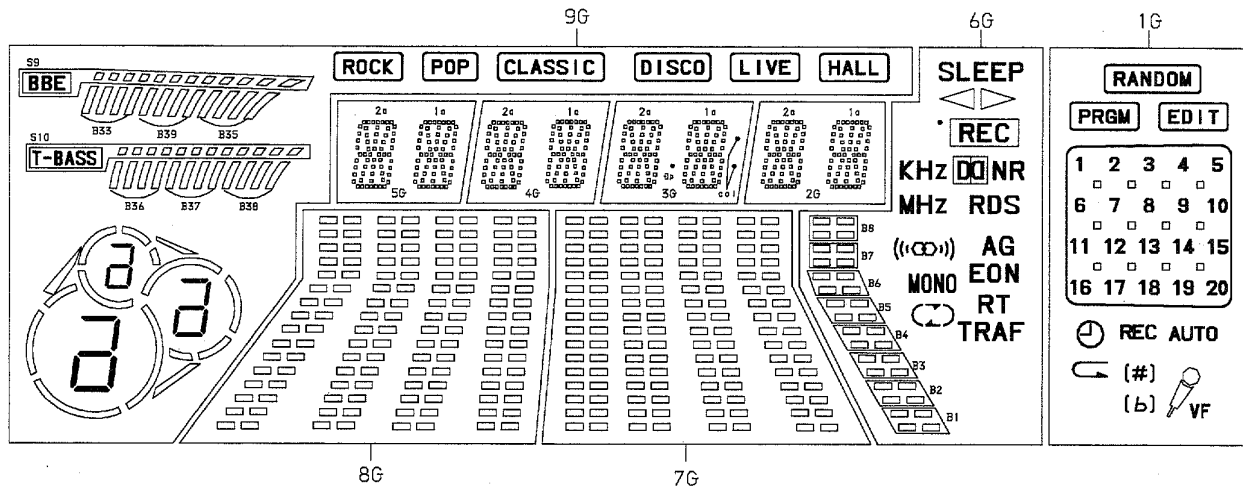


SCHEMATIC DIAGRAM - 3 (TUNER FRONTEND / FAN)



FL (BJ529GK) GRID ASSIGNMENT / ANODE CONNECTION

GRID ASSIGNMENT



ANODE CONNECTION

	9G	8G, 7G	6G	5G, 4G	3G	2G	1G
P1	S8	B32	▷	-	COL DOWN	-	(RANDOM)
P2	S2	B24	◁	1d	1d	1d	-
P3	1b	B16	SLEEP	1n	1n	1n	(PRGM)
P4	1c	B8	B8	1p	1p	1p	(EDIT)
P5	1e	B31	○	1r	1r	1r	1
P6	1a, 1d, 1g	B23	(REC)	1a	1a	1a	2
P7	2b	B15	KHz	1c	1c	1c	3
P8	2c	B7	B7	1g	1g	1g	4
P9	2e	B30	MHz	1m	1m	1m	5
P10	2a, 2d, 2e	B22	-	1f	1f	1f	6
P11	3b	B14	NR	1b	1b	1b	7
P12	3c	B6	B6	1k	1k	1k	8
P13	3a	B29	RDS	1j	1j	1j	9
P14	3a, 3d, 3e	B21	-	1h	1h	1h	10
P15	S3	B13	-	1a	1a	1a	11
P16	S5	B5	B5	-	CO IUP	-	12
P17	S7	B28	-	-	dp	-	13
P18	S4	B20	-	2d	2d	2d	14

P19	S6	B12	-	2n	2n	2n	15
P20	◻ (HALL)	B4	B4	2p	2p	2p	16
P21	◻ (LIVE)	B27	AG	2r	2r	2r	17
P22	◻ (DISCO)	B19	((∞))	2e	2e	2e	18
P23	◻ (CLASSIC)	B11	EON	2c	2c	2c	19
P24	◻ (POP)	B3	B3	2q	2q	2q	20
P25	◻ (ROCK)	B26	RT	2m	2m	2m	AUTO
P26	B36	B18	MONO	2f	2f	2f	VF
P27	B37	B10	TRAF	2o	2o	2o	⊕
P28	B38	B2	B2	2k	2k	2k	REC
P29	B33	B25	◻	2j	2j	2j	◻
P30	B34	B17	◻	2h	2h	2h	() (#)
P31	B35	B9	◻	2a	2a	2a	() (b)
P32	ROCK POP CLASSIC S10	B1	B1	-	-	-	S1
P33	DISCO LIVE HALL	-	-	-	-	-	-
P34	S9	-	-	-	-	-	-
P35	-	-	-	-	-	-	b #

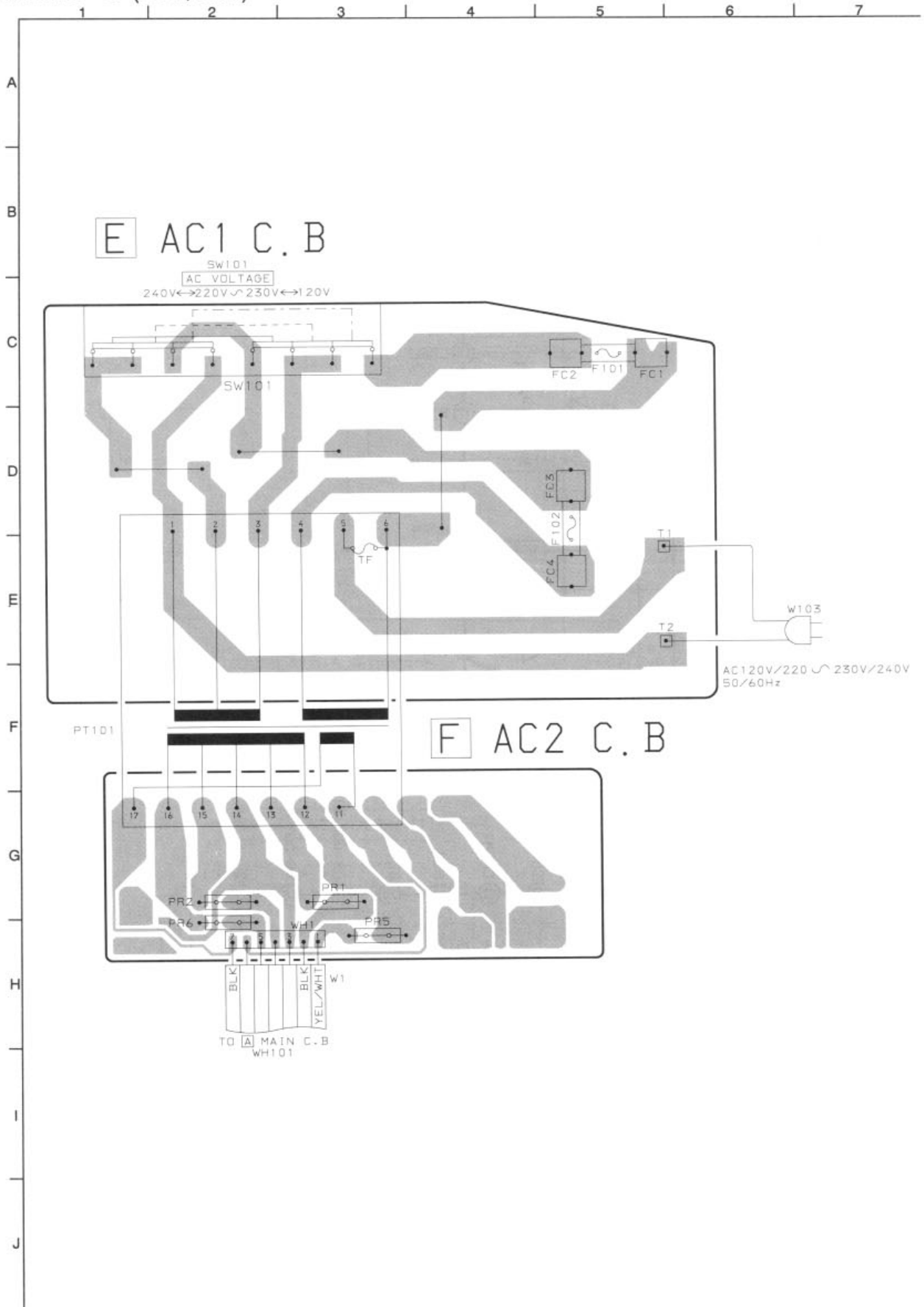
PIN CONNECTION

PIN NO.	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
CONNECTION	F2	F2	F2	NP	NP	9G	8G	7G	6G	5G	4G	3G	2G	1G	NC	NC	NC	NC	NC	NC	NC	NC	NC	P35	P34	P33	P32	P31	P30	P29	P28	P27	P26

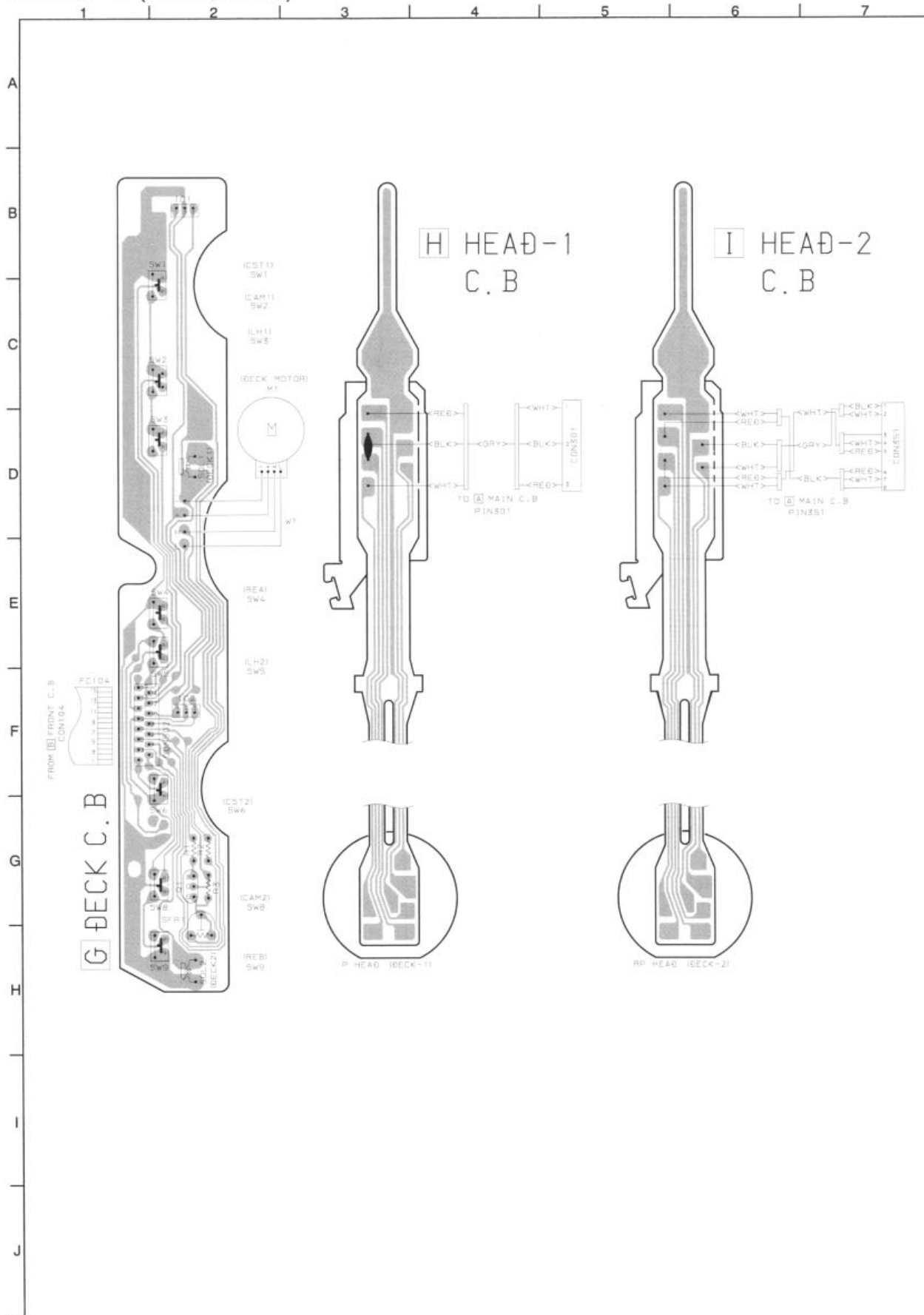
PIN NO.	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	F1	F1	F1

NOTE 1) F1, F2-----FILAMENT
2) NP-----NO PIN
3) NC-----NO CONNECTION
4) 1G~9G-----GRID

WIRING - 3 (AC1 / AC2)

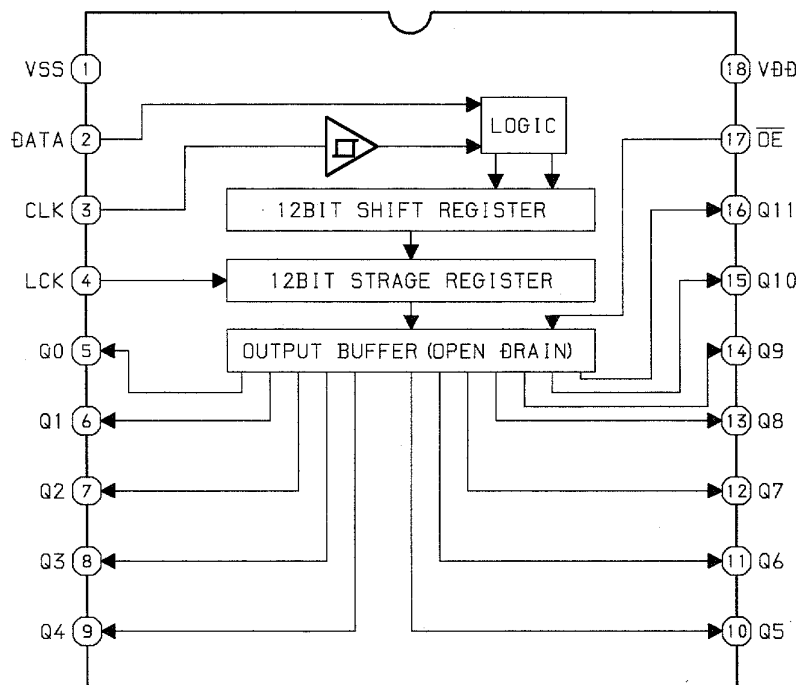


WIRING - 4 (DECK / HEAD)

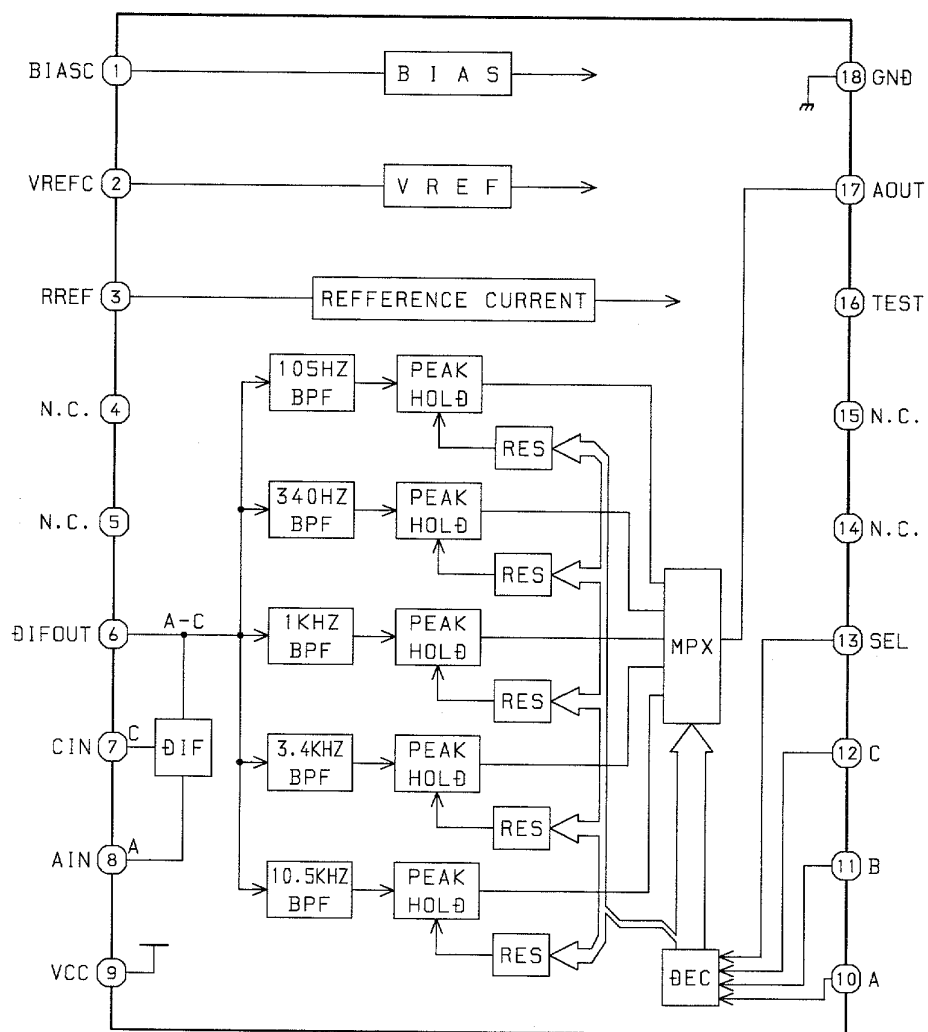


IC BLOCK DIAGRAM - 2

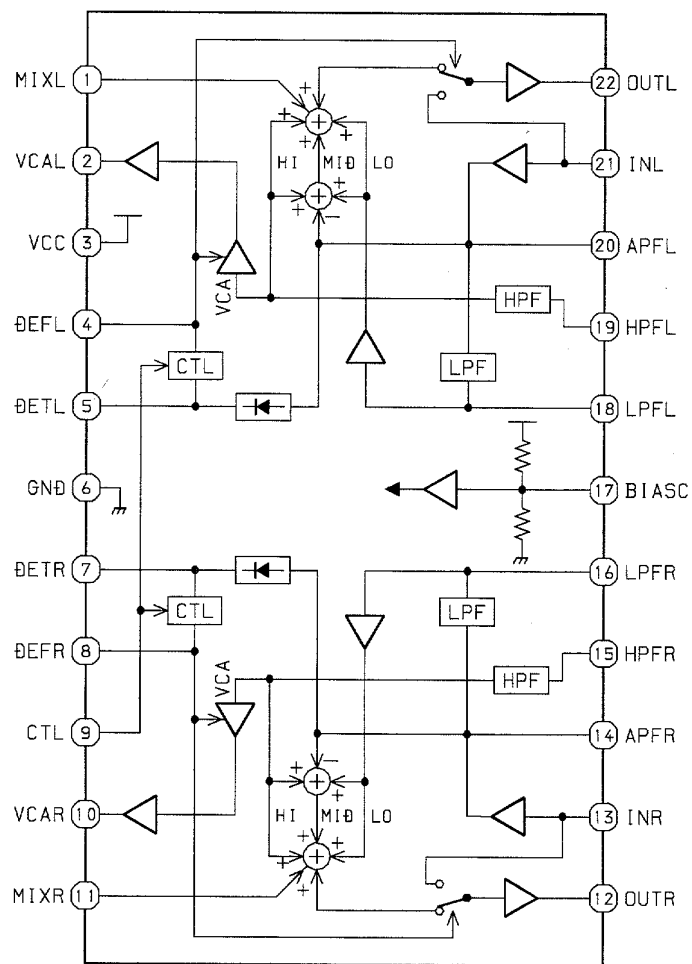
IC, BU2092F



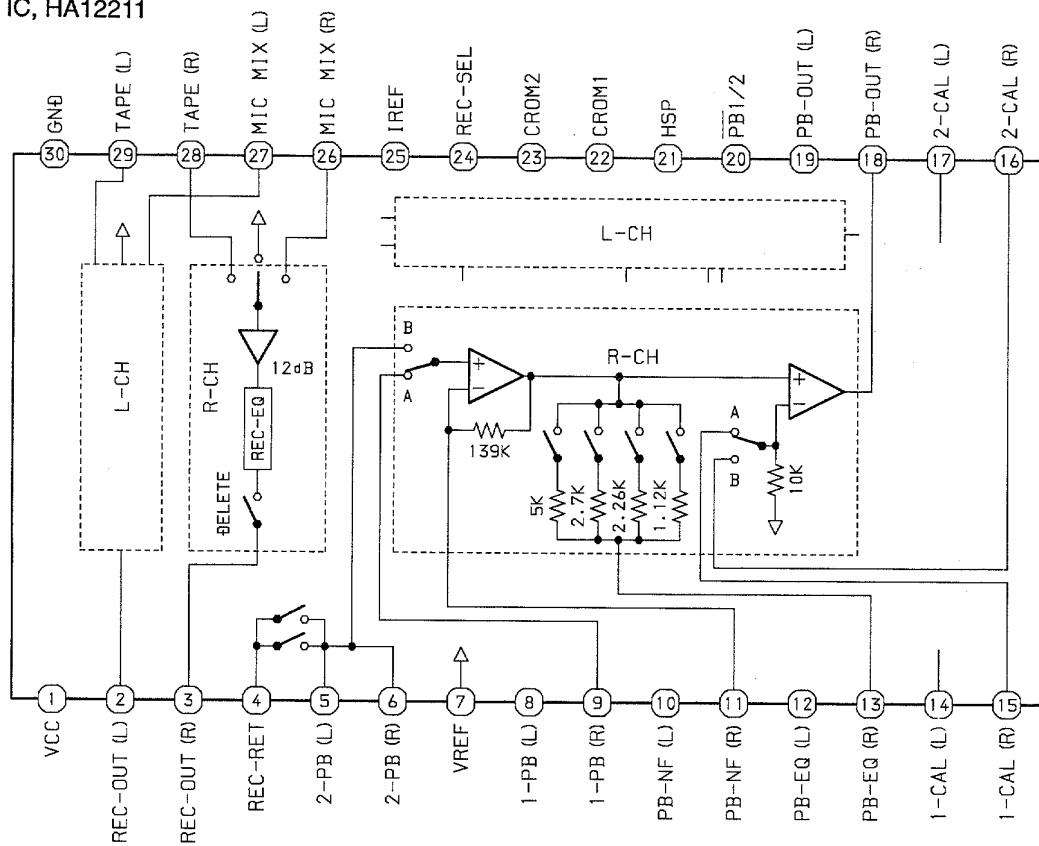
IC, BA3835S



IC, BA3880S



IC, HA12211



IC DESCRIPTION
IC, LC86654A-5E56

Pin No.	Pin Name	I/O	Description
1	RT-A	I	Rotary encoder A input.
2	RT-B	I	Rotary encoder B input.
3	$\overline{\text{LED-MD}}$	O	"MD" LED $\overline{\text{ON}}$ /OFF output.
4	$\overline{\text{LED-CD}}$	O	"CD " LED $\overline{\text{ON}}$ /OFF output.
5	$\overline{\text{LED-AUX}}$	O	"AUX" LED $\overline{\text{ON}}$ /OFF output.
6	$\overline{\text{LED-TUNER}}$	O	"TUNER" LED $\overline{\text{ON}}$ /OFF output.
7	$\overline{\text{LED-TAPE}}$	O	"TAPE" LED $\overline{\text{ON}}$ /OFF output.
8	HSP	O	Tape deck motor high speed $\overline{\text{ON}}$ /OFF output.
9	$\overline{\text{O-POWER}}$	O	System power supply $\overline{\text{ON}}$ /OFF output.
10	$\overline{\text{O-MUTE}}$	O	System mute $\overline{\text{ON}}$ /OFF output.
11	$\overline{\text{O-CLK-SHIFT}}$	O	U-COM clock shift output.
12	$\overline{\text{RESET}}$	I	Reset input.
13	$\overline{\text{I-HP-MUTE}}$	–	Not connected.
14	I-DISH	I	CD turntable photo sensor A/D converter input.
15	VSS 1	–	GND.
16	CF 1	–	5.76MHz oscillator circuit.
17	CF 2		
18	VDD 1	–	Power supply input.
19	$\overline{\text{HOLD}}$	I	Power failure detected input "1" to stop clock and main memory.
20	KEY-1	I	KEY input. (A/D)
21	KEY-2		
22	KEY-3		
23	I-CD SW	I	CD mechanical switch A/D converter input.
24	I-MIC	I	Microphone input for AUTO VF display.
25	$\overline{\text{I-TU-SIG/MS}}$	I	Tuner signal and deck music sensor signal input.
26	I-SPEANA	I	A/D input for spectrum analyzer display.
27	I-WRQ/RDS-CLK	I	CD WRQ input . TUNER RDS CLOCK input. (Connected to GND through a resistor)
28	I-TM-BASE	I	REFERENCE CLOCK input for timer watch.
29	$\overline{\text{I-RMC}}$	I	System remote control signal input.
30 ~ 37	G9 ~ G2	O	FL GRID output G2~G9.
38 ~ 43	P32 ~ P27	O	FL SEGMENT output P27~P32.
44	G1	O	FL grid output G1.
45	P26	O	FL SEGMENT output P26.
46	VDD3	–	Power supply input.
47	SPEANA-A/P25	O	Spectrum analyzer band switching output /FL segment P25 output.
48	SPEANA-B/P24	O	Spectrum analyzer band switching output /FL segment P24 output.
49	SPEANA-C/P23	O	Spectrum analyzer band switching output /FL segment P23 output.
50	P22/H-DUBB INH	O/I	FL segment P22 output / high dubbing inhibit input to diode.
51	VP	–	Power supply input for FL display.
52	P21/AM-ST	O/I	FL segment P21 output / AM stereo input to diode.
53	P20/LW	O/I	FL segment P20 output / LW mode data input to diode.

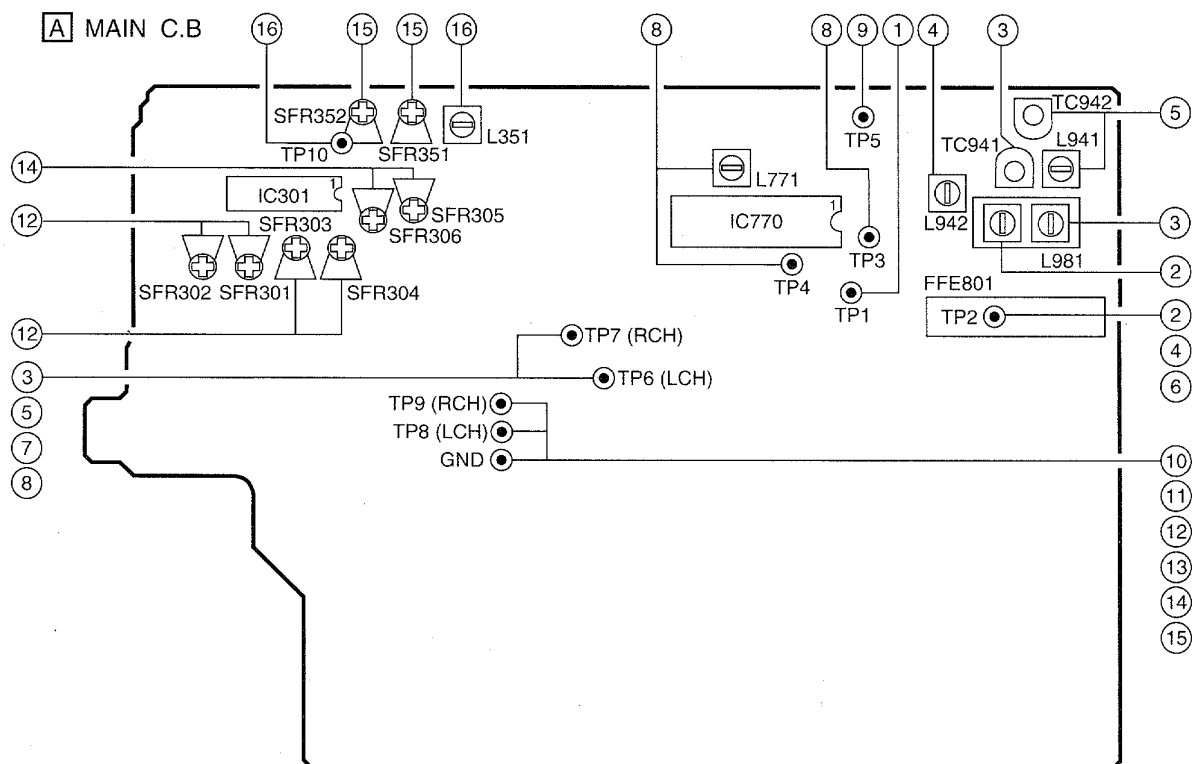
Pin No.	Pin Name	I/O	Description
54	P19/SW	O/I	FL segment P19 output / SW mode data input to diode.
55	P18/FM 1	O/I	FL segment P18 output / FM1 (OIRT) data input to diode.
56	P17/RDS	O/I	FL segment P17 output / RDS data input to diode.
57	P16/BBE	O/I	FL segment P16 output / BBE data input to diode.
58	P15/DSP	O/I	FL segment P15 output / DSP data input to diode.
59	P14/DOLBY-SURR	O/I	FL segment P14 output / DOLBY-SURR data input to diode.
60	P13/K-CON	O/I	FL segment P13 output / K-CON data input to diode.
61	P12/DOLBY	O/I	FL segment P12 output / DOLBY data input to diode.
62	P11/WAY	O/I	FL segment P11 output / DECK/WAY MECHA data input to diode.
63	P10/AM-9K/10K	O/I	FL segment P10 output / INITIAL AM 10 kHz step data input to diode.
64	P9/CST 2	O/I	FL segment P9 output / DECK2 cassette detect switch data input.
65	P8/REB	O/I	FL segment P8 output / DECK2 side-B record OK switch data input.
66	P7/CAM 2	O/I	FL segment P7 output / DECK2 CAM switch data input.
67	P6/AUTO 1	O/I	FL segment P6 output / DECK1 AUTO stop signal input.
68	P5/AUTO 2	O/I	FL segment P5 output / DECK2 AUTO stop signal input.
69	P4/CAM 1	O/I	FL segment P4 output / DECK1 CAM switch data input.
70	P3/CST 1	O/I	FL segment P3 output / DECK1 cassette detect switch data input.
71	P2/REA	O/I	FL segment P2 output / DECK2 side A record OK switch data input.
72	VDD 4	–	Power supply input.
73	P1/2092	O/I	FL segment P1 output / SHIFT resistor IC 2092 data input to diode.
74	K-SCAN	O	Switch SCAN timing output.
75	L CK	O	Latch clock output for front shift resistor.
76	PRO-CE	O	PRO LOGIC IC chip enable output.
77	PLL-CE	O	PLL IC chip enable output.
78	MA-STB	O	Latch strobe output for MAIN PWB.
79	DATA	O	DATA output for MAIN, FORNT, PROLOGIC PWB.
80	CLK	O	CLOCK output for MAIN, FORNT, PROLOGIC PWB.
81	DISH-RVS	O	CD turntable reverse rotation output.
82	DISH-FWD	O	CD turntable forward rotation output.
83	TRAY-OPEN	O	CD TRAY OPEN data output.
84	TRAY-CLOSE	O	CD TRAY CLOSE data output.
85	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
86	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
87	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
88	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
89	VSS 2	–	GND.
90	VDD 2	–	Power supply input.
91	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
92	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
93	SOL 1	O	DECK 1 Solenoid output.
94	SOL 2	O	DECK 2 Solenoid output.

Pin No.	Pin Name	I/O	Description
95	O-MOTOR	O	DECK MOTOR ON/OFF output.
96	I-TUNE/IFC/SUBQ	I	Tune IF count serial data input /CD SUB Q data input.
97	I-STEREO/O-SQCLK	I/O	Tuner stereo detected input/CD SQ CLOCK output.
98	I-RDS-DATA/O-DATA	I/O	RDS data input/CD data output.
99	O-CD CE	O	CD CE output.
100	O-CD CLK	O	CD CLOCK output. (Not used)

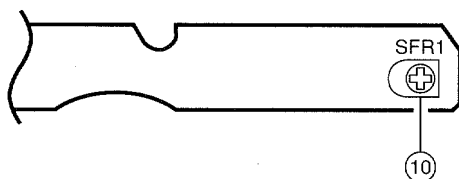
IC, LC72131D(Z)

Pin No.	Pin Name	I/O	Description																								
1	X IN	I	A crystal oscillator (7.2MHz) is connected between these pins.																								
22	X OUT	O																									
2	NC	–	Not used.																								
3	CE	I	To enable the IC. Active "H".																								
4	DI	I	Digital data input from CPU(LC866548A-5E56) when relevant key is operated. Active "H".																								
5	CL	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC866548A-5E56).																								
7	T-BASE	O	Outputs a reference clock signal (8Hz) for the clock.																								
8	MONO / BEAT	O	Outputs "H" when MONO / BEAT is switched.																								
9	$\overline{\text{FM}} / \overline{\text{SW}}$	O	Output "L" or "H" as follows: <table><tr><td colspan="2">2 BAND</td><td colspan="3">3 BAND</td><td colspan="3">3 BAND</td></tr><tr><td>AM</td><td>FM</td><td>LW</td><td>MW</td><td>FM</td><td>MW</td><td>SW</td><td>FM</td></tr><tr><td>H</td><td>L</td><td>H</td><td>H</td><td>L</td><td>H</td><td>L</td><td>L</td></tr></table>	2 BAND		3 BAND			3 BAND			AM	FM	LW	MW	FM	MW	SW	FM	H	L	H	H	L	H	L	L
2 BAND		3 BAND			3 BAND																						
AM	FM	LW	MW	FM	MW	SW	FM																				
H	L	H	H	L	H	L	L																				
10	$\overline{\text{MW}} / \text{SW}$	O	Outputs "L" or "H" as follows: <table><tr><td colspan="2">2 BAND</td><td colspan="3">3 BAND</td><td colspan="3">3 BAND</td></tr><tr><td>AM</td><td>FM</td><td>LW</td><td>MW</td><td>FM</td><td>MW</td><td>SW</td><td>FM</td></tr><tr><td>L</td><td>L</td><td>H</td><td>L</td><td>L</td><td>L</td><td>H</td><td>L</td></tr></table>	2 BAND		3 BAND			3 BAND			AM	FM	LW	MW	FM	MW	SW	FM	L	L	H	L	L	L	H	L
2 BAND		3 BAND			3 BAND																						
AM	FM	LW	MW	FM	MW	SW	FM																				
L	L	H	L	L	L	H	L																				
11	IF-MUTE	O	To control internal counter.																								
12	IF-IN	I	General purpose counter input.																								
13	$\overline{\text{TUNE}}$	I	Receives "L" when station is tuned.																								
14	NC	–	Not used.																								
15	AM-IN	I	Receives the AM local oscillator frequency signal.																								
16	FM-IN	I	Receives the FM local oscillator frequency signal.																								
17	VDD	–	Supply power to IC (+5V).																								
18	PD	O	PLL charge pump output.																								
19	A-IN	I	The MOS transistor for PLL active low pass filter.																								
20	A-OUT	O																									
21	VSS	–	Ground.																								

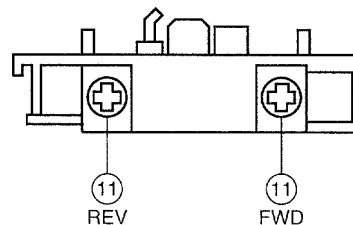
ADJUSTMENT



G DECK C.B



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



< TUNER SECTION >

1. Clock Frequency Check
 Settings : • Test point : TP1 (CLK)
 Method : Set to MW 1710kHz and check that the test point is $2160\text{kHz} \pm 0.045\text{kHz}$.
2. MW VT Adjustment
 Settings : • Test point : TP2 (VT)
 • Adjustment location : L981
 Method : Set to MW 1710kHz and adjust L981 so that the test point becomes $8.5\text{V} \pm 0.05\text{V}$. Then set to MW 530kHz and check that the test point is more than 0.3V.
3. MW Tracking Adjustment
 Settings : • Test point : TP6 (Lch), TP7 (Rch)
 • Adjustment location :
 L981 600kHz
 TC941 1400kHz
 Method : Set up TC941 to center before adjustment. The level at 600kHz is adjusted to MAX by L981. Then the level at 1400kHz is adjusted to MAX by TC941.
4. SW VT Adjustment
 Settings : • Test point : TP2 (VT)
 • Adjustment location : L942
 Method : Set to SW 17.9MHz and adjust L942 so that the test point becomes $7.0\text{V} \pm 0.05\text{V}$.
5. SW Tracking Adjustment
 Settings : • Test point : TP6 (Lch), TP7 (Rch)
 • Adjustment location :
 L941 5.9MHz
 TC942 17.9MHz
 Method : Set up TC942 to center before adjustment. The level at 5.9MHz is adjusted to MAX by L941. Then the level at 17.9MHz is adjusted to MAX by TC942.
6. FM VT Check
 Settings : • Test point : TP2(VT)
 Method : Set to FM 87.5MHz (108.0MHz) and check that the test point is more than 1.5V (less than 8.5V).

7. FM Tracking Check
Settings : • Test point : TP6 (Lch), TP7 (Rch)
Method : Set to FM 98.0MHz and check that the test point is 6dB $\pm$ 4dB at distortion less than 3%.

8. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3,TP4 (DC balance)
TP6,TP7 (Distortion)
• Adjustment location : L771
• Input level : 54dB
Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 output becomes 0V $\pm$ 0.04V.
Next, check that the distortion is less than 1.3%.

9. FM Auto Stop Level Check
Settings : • Test point : TP5 (STOP)
Method : Set to FM 98.0 MHz and check for voltage low (about 0.1V). After that voltage high (about 7.0V) out by 2dB down.

< DECK SECTION >

10. Tape Speed Adjustment (DECK2)
Settings : • Test tape : TTA-100
• Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the test point becomes 3000Hz $\pm$ 5Hz(FWD) and FWD PLAY speed $\pm$ 45Hz(REV).

11. Head Azimuth Adjustment (DECK1, DECK2)
Settings : • Test tape : TTA-300
• Test point : TP8 (Lch), TP9 (Rch)
• 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.

12. PB Sensitivity Adjustment (DECK1, DECK2)
Settings : • Test tape : TTA-200
• Test point : TP8 (Lch), TP9 (Rch)
• Adjustment location : SFR301 (DECK1, Lch)
SFR302 (DECK1, Rch)
SFR303 (DECK2, Lch)
SFR304 (DECK2, Rch)
Method : Play back the test tape and adjust SFRs so that the output level of the test point becomes 245mV.

13. PB Frequency Response Check (DECK1, DECK2)
Settings : • Test tape : TTA-300
• Test point : TP8 (Lch), TP9 (Rch)
Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is within 0dB $\pm$ 2dB.

14. REC/PB Sensitivity Adjustment (DECK2)
Settings : • Test tape : TTA-602
• Test point : TP8 (Lch), TP9 (Rch)
• Input signal : 1kHz (LINE IN)
• Adjustment location : SFR305 (Lch)
SFR306 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 17mV.
Record and play back the 1kHz signals and adjust SFRs so that the output is 17mV $\pm$ 0.5dB.

15. REC/PB Frequency Response Adjustment (DECK2)
Settings : • Test tape : TTA-602
• Test point : TP8 (Lch), TP9 (Rch)
• Input signal : 1kHz / 10kHz (LINE IN)
• Adjustment location : SFR351 (Lch)
SFR352 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 170mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output level of the 10kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.

16. Bias OSC Frequency Adjustment (DECK2)
Settings : • Test point : TP10 (BIAS)
• Adjustment location : L351
Method : Set DECK2 to the record mode and adjust L351 so that the frequency at the test point is 85kHz $\pm$ 1kHz.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity : (THD 3%)	6dB $\pm$ 4dB [at 87.5MHz] 5dB $\pm$ 4dB [at 98.0 / 108.0MHz]
S/N 50dB Quieting sensitivity :	30dB $\pm$ 6dB [at 87.5 / 98.0 / 108.0MHz]
Signal to noise ratio : (Input 54dB)	(MONO) More than 65dB (STEREO) More than 64dB [at 98.0MHz]
Distortion : (Input 54dB)	(MONO) Less than 1.3% (STEREO) Less than 2.0% [at 98.0MHz]
Auto stop level :	25dB $\pm$ 10dB [at 98.0MHz]
Stereo separation :	More than 25dB [at 98.0MHz]
Intermediate frequency :	10.7MHz

<MW SECTION>

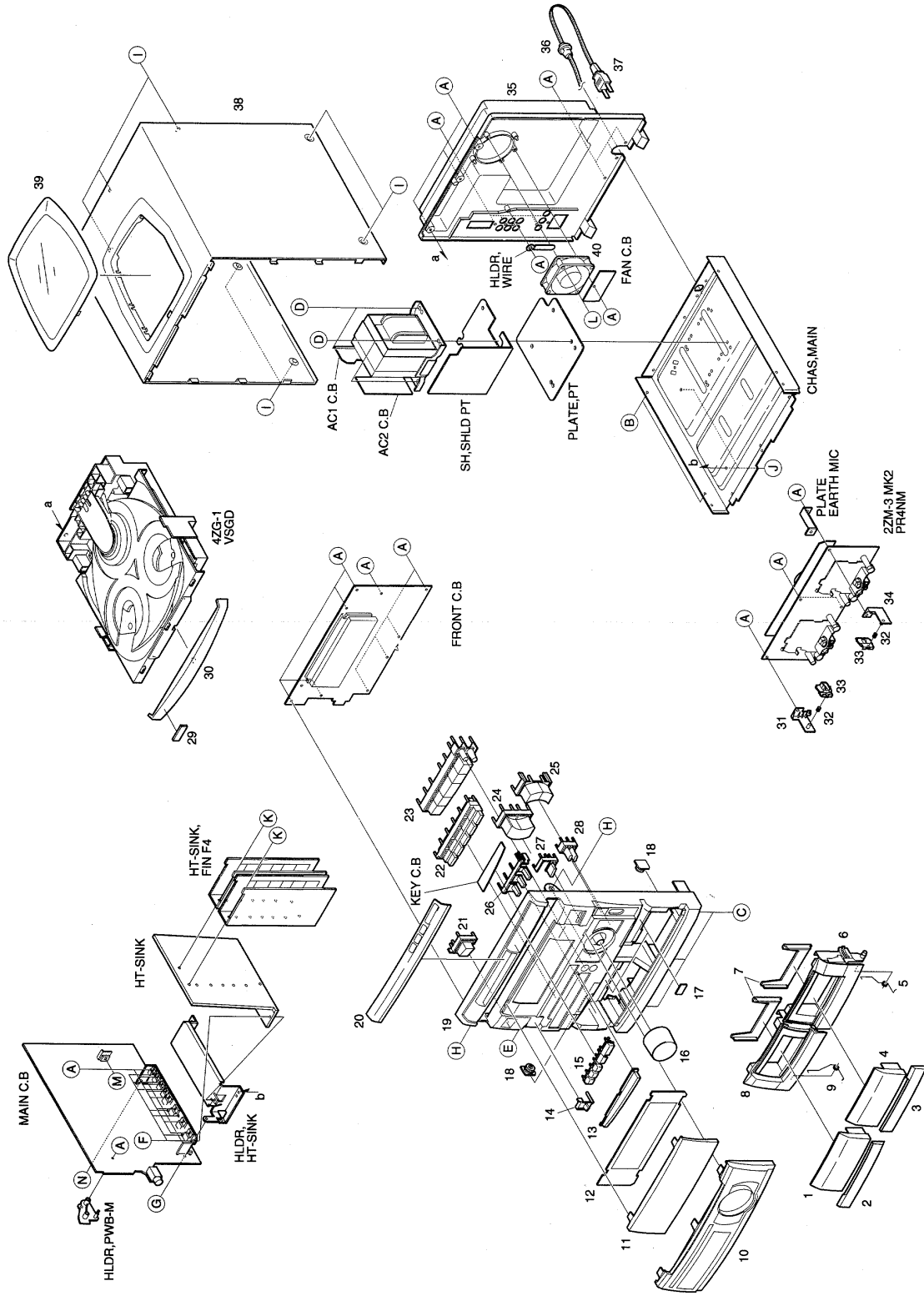
Sensitivity : (S/N 20 dB)	55dB $\pm$ 5dB [at 603kHz] 53dB $\pm$ 5dB [at 999 / 1404kHz]
Signal to noise ratio : (Input 100dB)	More than 36dB [at 999kHz]
Distortion :	Less than 1.5% [at 999kHz]
Auto stop level :	50dB +10/-15dB [at 999kHz]
Intermediate frequency :	450kHz

<SW SECTION>

Sensitivity : (S/N 20dB)	38dB $\pm$ 6dB [at 5.9MHz] 33dB $\pm$ 5dB [at 12.0MHz] 30dB $\pm$ 8dB [at 17.9MHz]
Signal to noise ratio : (Input 80dB)	More than 34dB [at 12.0MHz]
Distortion :	Less than 2.0% [at 12.0MHz]
Intermediate frequency :	450kHz

<DECK SECTION>

Tape speed :	3000Hz $\pm$ 45Hz
Wow & flutter :	Less than 0.15% (W.R.M.S)
Pinch roller pressure :	270 ~ 330g (FWD, REV)
Take-up torque :	30 ~ 55g-cm (FWD, REV)
F.F & REW torque :	75 ~ 180g-cm (FWD) 75 ~ 130g-cm (REW)
Back tension :	2 ~ 7g-cm (FWD, REV)
PB Output level :	330mV $\pm$ 1dB
REC/PB Output level :	180mV $\pm$ 2dB
Distortion (REC/PB) :	Less than 2.0% (NORMAL, CrO2)
Noise level (PB) :	Less than 1.8mV (DOLBY B NR OFF, NORMAL) Less than 1.2mV (DOLBY B NR ON, CrO2)
Noise level (REC/PB) :	Less than 2.2mV (DOLBY B NR OFF, NORMAL) Less than 1.5mV (DOLBY B NR ON, CrO2)
Crosstalk :	More than 60dB (1kHz, NORMAL)
Channel separation :	More than 30dB (1kHz, NORMAL)
Erasing ratio :	More than 60dB (at 125Hz, CrO2)
REC bias frequency :	85kHz
Test tape :	NORMAL : TTA-602 CrO2 : TTA-615

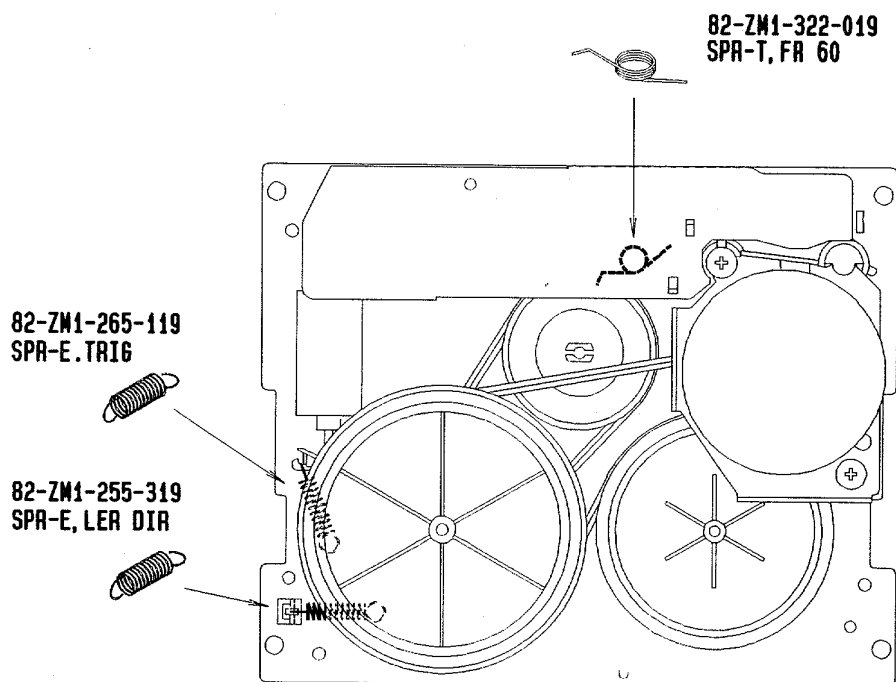
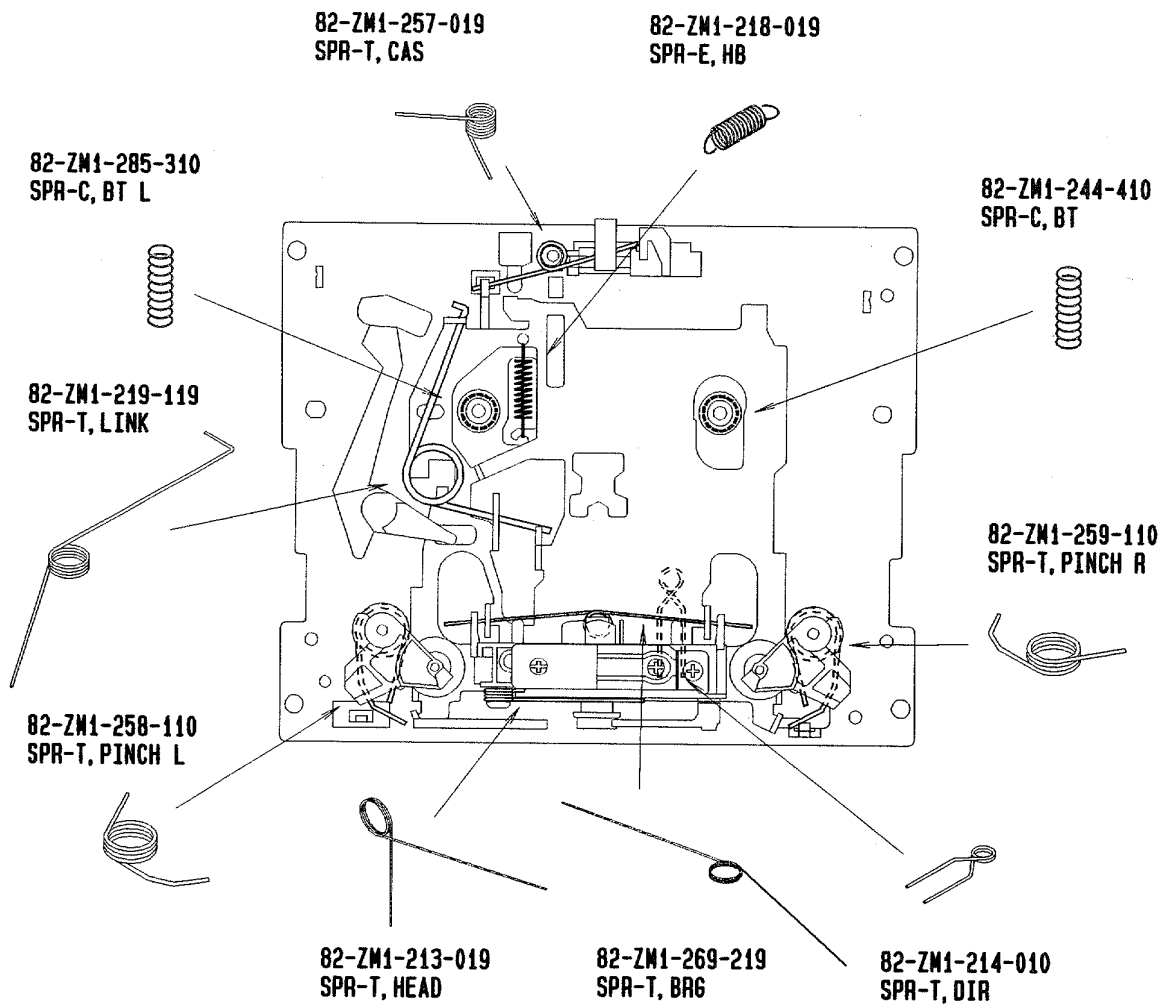


MECHANICAL PARTS LIST 1 / 1

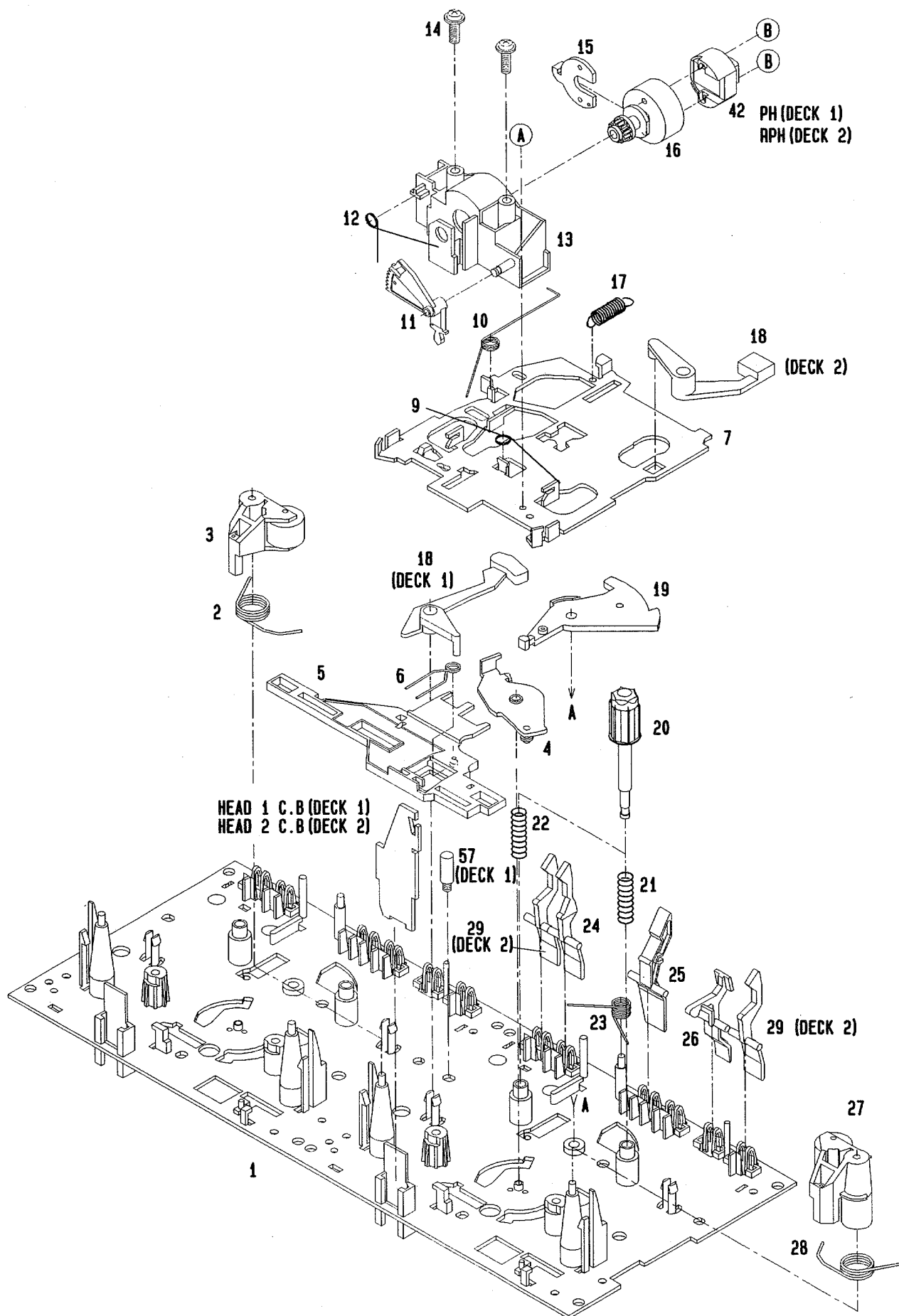
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

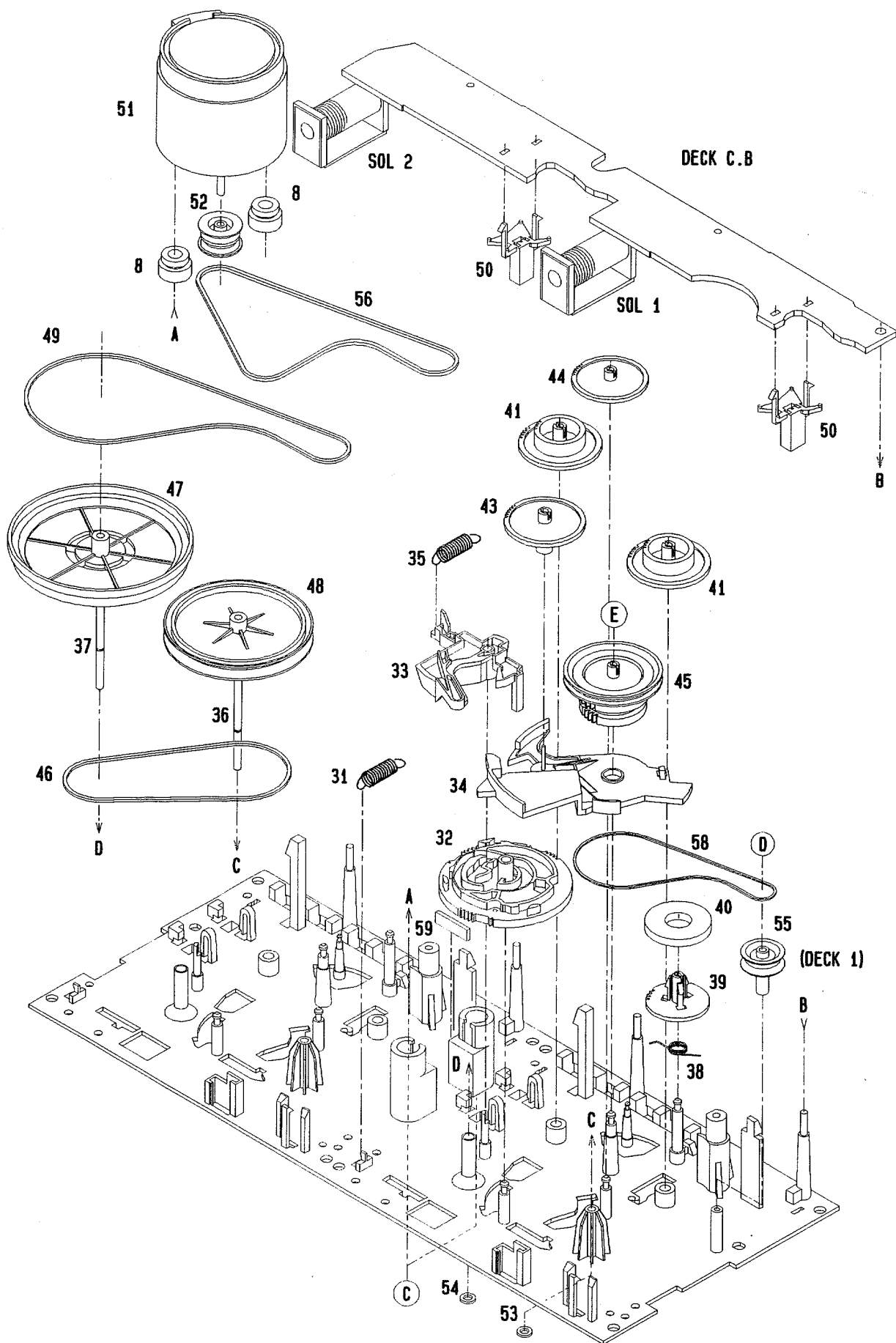
REF.NO.	PART NO.	KANRI NO.	DESCRIPTION	REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NF4-034-010		WINDOW,CASS 1	31	87-NF4-216-010		HLDL, LOCK 1
2	87-NF4-032-010		PANEL,CASS 1H	32	82-NF5-228-010		SPR-C, LOCK
3	87-NF4-033-010		PANEL,CASS 2H	33	82-NF5-229-010		PLATE, LOCK (*)
4	87-NF4-035-010		WINDOW,CASS 2	34	87-NF4-217-010		HLDL, LOCK 2
5	82-NF5-219-010		SPR-T,EJECT 2(SIN)	35	87-NH4-015-010		CABI, REAR HCST<HC>
6	87-NF4-005-010		BOX,CASS 2	35	87-NH4-014-010		CABI, REAR HRST<HR>
7	86-NF6-061-010		REFLECTOR,CASS	36	87-085-185-010		BUSHING, AC CORD(B) CM-22B
8	87-NF4-004-010		BOX,CASS 1	37	87-050-079-010		AC CORD ASSY, E BLK
9	82-NF5-218-010		SPR-T,EJECT 1(SIN)	38	86-NH6-029-110		CABI, STEEL H-J TS
10	87-NF4-031-010		PANEL, FR H	39	86-NF6-007-010		WINDOW, TOP
11	87-NH4-004-010		WINDOW, DISPLAY H	40	87-A90-463-010		FAN, 2408NL
12	87-NF4-080-010		PLATE, DISP	A	87-067-703-010		BVT2+3-10 W/O SLOT
13	87-NF4-042-010		PANEL, OPE	B	87-591-094-410		QIT+3-6
14	87-NF4-036-010		KEY, DEMO	C	87-067-688-010		BVTT+3-6
15	87-NF4-007-010		KEY, CD	D	87-078-191-010		S-SCREW IT+4-10
16	87-NF4-028-010		KNOB, RTRY VOL	E	87-723-096-410		QT2+3-10 W/O SLOT
17	81-532-080-010		LBL, CASS-COMPT	F	87-067-758-010		BVT2+3-12 W/O SLOT
18	87-063-165-010		OIL-DMPR, 150	G	87-067-633-010		BVT2+3-8 W/O SLOT W/CONVEX
19	87-NF4-001-010		CABI, FR H	H	87-721-097-410		QT2+3-12 W/O SLOT
20	87-NF4-037-110		WINDOW, CD	I	87-067-641-010		UTT2+3-8 W/O SLOT BLK
21	87-NF4-008-010		KEY, POWER	J	87-067-584-010		BVT2+3-6 W/O SLOT
22	87-NF4-020-010		KEY, ASSY FUN	K	87-B10-090-010		BVIT3B+3-12 GOLD
23	87-NH4-007-010		KEY, ASSY OPE	L	87-751-104-410		VIT+3-30
24	87-NH4-002-010		KEY, PBC	M	87-067-579-010		BVT2+3-8 W/O SLOT
25	87-NF4-010-010		KEY, BBE	N	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
26	87-NF4-012-010		KEY, DOLBY				
27	87-NF4-045-010		KEY, KARAOKE				
28	87-NF4-011-010		KEY, VOL				
29	82-NE6-067-010		BADGE, AIWA 30N				
30	87-NH4-005-010		PANEL, TRAY H				

SPRING APPLICATION POSITION



TAPE MECHANISM EXPLODED VIEW 1 / 1





TAPE MECHANISM PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY, M2	36	82-ZM1-236-019		CAPSTAN N 2-41.5
2	82-ZM1-258-110		SPR-T, PINCH L	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
3	82-ZM1-341-110		LVR ASSY, PINCH L2	38	82-ZM1-322-019		SPR-T, FR60
4	82-ZM1-333-010		PLATE, LINK 2	39	82-ZM1-220-219		GEAR, IDLER
5	82-ZM1-266-11K		LVR, DIR	40	82-ZM3-616-019		RING MAGNET 4
6	82-ZM1-214-010		SPR-T, DIR	41	82-ZM1-216-31K		GEAR, REEL
7	82-ZM1-206-81K		CHAS, HEAD	42	87-A90-319-010		HEAD, PH HADKH2 FPC
8	82-ZM3-307-019		CUSH-G, DIA3.7-8-3.2	42	87-A90-320-010		HEAD, RPH HADKH5 FPC
9	82-ZM1-269-219		SPR-T, BRG	43	82-ZM1-225-21K		GEAR, FR
10	82-ZM1-219-119		SPR-T, LINK	44	82-ZM1-226-019		GEAR, REW
11	82-ZM1-210-119		GEAR, H T	45	82-ZM3-333-310		SLIP DISK ASSY 2
12	82-ZM1-213-019		SPR-T, HEAD	46	82-ZM1-338-010		BELT FR4
13	82-ZM1-207-619		GUIDE, TAPE	47	82-ZM1-349-110		FLY-WHL, R W(DECK 2)
14	86-ZM4-206-010		S-SCREW, AZIMUTH	47	82-ZM3-338-110		FLY-WHL, R3 W(DECK 1)
15	82-ZM1-314-119		PLATE, HEAD	48	82-ZM1-348-010		FLY-WHL, L W(DECK 2)
16	82-ZM1-208-119		HLD, HEAD	48	82-ZM1-348-010		FLY-WHL, L W(DECK 1)
17	82-ZM1-218-019		SPR-E, HB	49	82-ZM3-329-210		BELT, SBU R2
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	50	82-ZM1-245-210		HLD, IC
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	51	87-045-347-019		MOT, SHU2L 70(M1)
19	82-ZM1-222-21K		LVR, PLAY	52	82-ZM3-221-010		PULLEY, MOT 2M
20	82-ZM1-217-319		REEL TABLE	53	82-ZM1-288-019		SH, 1.63-3.2-0.5 SLT
21	82-ZM1-244-510		SPR-C, BT	54	80-ZM6-243-019		SH, 1.75-3.6-0.5 SLT
22	82-ZM1-285-310		SPR-C, BT L	55	82-ZM3-335-210		PULLEY, COUPLER M3(DECK 1)
23	82-ZM1-257-019		SPR-T, CAS	56	82-ZM3-337-010		BELT, SBU MOT 2
24	82-ZM1-241-319		LVR, MC	57	82-ZM3-339-010		SHAFT, COUPLER N3(DECK 1)
25	82-ZM1-242-019		LVR, CAS	58	86-ZM1-206-010		BELT, MAIN L
26	82-ZM1-243-019		LVR, STOP	59	82-ZM3-340-010		SH, BELT D2
27	82-ZM1-344-110		LVR ASSY, PINCH R2	A	85-ZM3-202-010		S-SCREW, TG
28	82-ZM1-259-110		SPR-T, PINCH R	B	80-ZM6-207-019		V+1.6-7
29	82-ZM1-240-11K		LVR, REC (DECK 2)	C	82-ZM3-318-019		S-SCRW MOTOR M2
31	82-ZM1-255-319		SPR-E, LVR DIR	D	87-B10-043-010		W-P, 0.99-4-0.25 SLT
32	82-ZM3-305-01K		GEAR, CAM M2	E	82-ZM3-334-010		PW, 2.16-6-0.4
33	82-ZM1-227-21K		LVR, TRIG				
34	82-ZM3-306-11K		LVR, FR M2				
35	82-ZM1-265-119		SPR-E, TRIG				

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
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

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

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

アイワ株式会社
AIWA CO., LTD.

9420025, 750038

Tokyo Japan