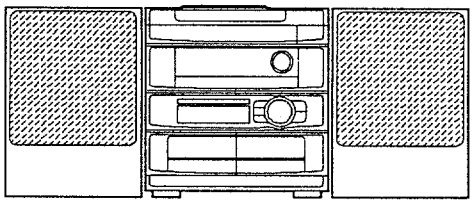
aiwa

aiwa SERVICE

Z-R800



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2 PR5NM
- BASIC CD MECHANISM: 6ZG-1 SDFNM
- TYPE: LH, HE

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
Z-R800	CX-ZR800	SX-AZR800	RC-7AS01

- If requiring information about the CD mechanism, see Service Manual of 6ZG-1. (S/M Code No.09-975-198-00T)
- If requiring information about the Speaker, see Service Manual of SX-AZR800. (S/M Code No.09-974-199-5FE)

SERVICE MANUAL

S/M Code No. 09-975-183-6FE

SPECIFICATIONS

<FM Tuner section>

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

<AM Tuner section>

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

<Amplifier section>

Power output	LH: 150 W + 150 W (6 ohms, T.H.D. 10%, 1 kHz) HE: Rated: 120 W + 120 W (6 ohms, T.H.D. 1%, 1 kHz) Reference: 150 W + 150 W (6 ohms, T.H.D. 10%, 1 kHz) * without connecting the SURROUND SPEAKERS
Total harmonic distortion	0.1% (75 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 210 mV (adjustable) PHONO: 340 mV (47 kohms) MIC 1, MIC 2: 1.4 mV (20 kohms)
Outputs	CD DIGITAL OUT (OPTICAL) SUPER WOOFER: 3.0 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, above 400 Hz)
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	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.03% (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<General>

Power requirements	120 V/220 – 230 V/240 V AC, switchable, 50/60 Hz
Power consumption	170 W
Dimensions of main unit (W x H x D)	360 x 394.5 x 382 mm
Weight of main unit	11.5 kg

<Speaker system SX–AZR800>

Cabinet type	4 way, bass reflex with surround speaker
Speakers	Woofer: 220 mm cone type Mid-range: 80 mm cone type Tweeter: 50 mm cone type Super tweeter: 20 mm ceramic type Surround speaker: 80 mm cone type
Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
Output sound pressure level	90 dB/W/m
Dimensions (W x H x D)	280 x 463 x 296 mm
Weight	6.3 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

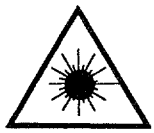
If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-MA4-901-010		IB,H(ECA)M<HE>
1	87-MA4-902-010		IB,LH(ES)M<LH>
2	87-043-115-010		FEEDER-ANT,FM
⚠ 3	87-A90-312-010		PLUG,CONVERSION WTN-1157R1
4	87-MA6-702-010		RC UNIT,7AS01
5	87-006-225-010		ANT,LOOP ANT NC2

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.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling 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 sikkerhedsafbrydereer 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.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

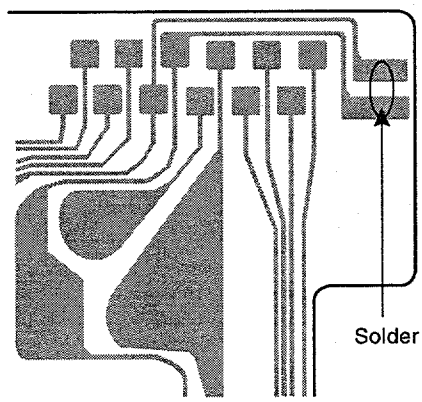
Precaution to replace Optical block

(KSS – 213B)

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

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

PICK-UP Assy P.C.B



ELECTRICAL MAIN PARTS LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-020-454-010		IC,DN6851
	87-MA3-602-010		C-IC,LC866560W-5E53
	87-A20-448-010		IC,PIC-21043TE3
	87-017-915-080		C-IC,BU4094BCF
	87-A20-455-010		IC,HA12211
	87-A20-355-010		IC,CXA1553P
	87-A20-083-010		IC,BA3835S
	87-A20-450-040		C-IC,BH3864F
	87-A20-056-010		IC,BA3880S
	87-A20-451-040		C-IC,BU9262FS
	87-A20-561-040		C-IC,M658471FP<HE>
	87-A20-456-040		C-IC,BH3810FS
	87-017-888-080		C-IC,NJM4558MD
	87-A20-437-010		C-IC,M62431FP
	86-NFZ-655-010		IC,LC72131D(Z)
	87-A20-438-010		IC,LA1837
TRANSISTOR			
	87-026-463-080		TR,2A933S
	87-026-263-080		C-TR,RN1410
	89-213-702-010		TR,2SB1370E
	87-A30-076-080		C-TR,2SC3052F
	89-112-965-080		TR,2SA1296GR
	87-026-610-080		TR,KTC3198GR
	87-A30-073-080		C-TR,RT1N 141C
	87-A30-085-070		C-TR,CSA1362GR
	87-A30-083-080		TR,CSD1489B
	87-A30-075-080		C-TR,2SA1235F
	87-A30-084-080		TR,CSB1058B
	87-A30-071-080		C-TR,RT1N 144C
	87-026-609-080		TR,KTA1266GR
	87-A30-086-070		C-TR,CSD1306E
	87-A30-106-070		C-TR,CMBT5551
	87-A30-111-080		TR,C2N5401
	87-A30-097-010		TR,FN1016
	87-A30-098-010		TR,FP1016
	87-A30-089-010		FET,2SK2723
	87-A30-072-080		C-TR,RT1P 144C
	87-026-266-080		C-TR,RN2404
	87-A30-087-080		C-FET,2SK2158
	87-A30-074-080		C-TR,RT1P 141C
	89-327-143-080		C-TR,2SC2714(O)
DIODE			
	87-A40-270-080		C-DIODE,MC2838
	87-A40-115-060		DIODE,RS603M
	87-A40-246-080		DIODE,1N4148T-72
	87-017-437-080		DIODE,1N4148M
	87-A40-269-080		C-DIODE,MC2836
	87-070-274-080		DIODE,1N4003 SEM
	87-A40-205-080		ZENER,UZ6.2BSC
	87-A40-341-080		ZENER,MTZJ36A
	87-017-933-080		ZENER,MTZJ10D
	87-070-178-090		DIODE,1N5402-BD54
	87-070-136-080		ZENER,MTZJ5.1B
	87-070-345-080		DIODE,1N4148
	87-017-931-080		ZENER,MTZJ5.6B
	87-A40-003-080		ZENER,MTZJ4.3A
	87-A40-234-080		ZENER,MTZJ5.6A
MAIN C.B			
C101	87-A10-059-090		CAP,E 3300-75
C102	87-A10-059-090		CAP,E 3300-75
C103	87-A10-056-090		CAP,E 4700-35 M
C104	87-A10-056-090		CAP,E 4700-35 M
C105	87-012-368-080		C-CAP,S 0.1-50 Z F
C106	87-012-368-080		C-CAP,S 0.1-50 Z F
C107	87-012-368-080		C-CAP,S 0.1-50 Z F
C108	87-012-368-080		C-CAP,S 0.1-50 Z F
C109	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C110	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C111	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C112	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C113	87-010-260-080		CAP,E 47-25 SME
C114	87-010-383-080		CAP,E 33-25 M SME
C115	87-010-260-080		CAP,E 47-25 SME
C116	87-010-383-080		CAP,E 33-25 M SME
C117	87-010-430-080		CAP,E 100-63
C118	87-010-263-080		CAP,E 100-10 SME
C119	87-010-260-080		CAP,E 47-25 SME
C120	87-010-403-080		CAP,E 3.3-50 M SME
C121	87-012-140-080		C-CAP,S 470P-50 J CH
C123	87-010-382-080		CAP,E 22-25 M SME
C124	87-010-112-080		CAP,E 100-16 M SME
C125	87-010-235-080		CAP,E 470-16 SME
C126	87-010-194-080		C-CAP,S 0.047-25 Z F
C127	87-010-194-080		C-CAP,S 0.047-25 Z F
C129	87-010-393-080		CAP,E 100-35 M SME
C201	87-010-401-080		CAP,E 1-50 M SME
C202	87-010-401-080		CAP,E 1-50 M SME
C205	87-010-181-080		C-CAP,S 1800P-50 K B
C206	87-010-181-080		C-CAP,S 1800P-50 K B
C207	87-010-404-080		CAP,E 4.7-50 M SME
C208	87-010-404-080		CAP,E 4.7-50 M SME
C209	87-010-404-080		CAP,E 4.7-50 M SME
C210	87-010-404-080		CAP,E 4.7-50 M SME
C211	87-010-186-080		C-CAP,S 4700P-50 K B
C212	87-010-186-080		C-CAP,S 4700P-50 K B
C213	87-010-260-080		CAP,E 47-25 SME
C214	87-010-260-080		CAP,E 47-25 SME
C215	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C219	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C220	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C221	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C222	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C223	87-010-194-080		C-CAP,S 0.047-25 Z F
C225	87-010-322-080		C-CAP,S 100P-50 J CH
C226	87-010-322-080		C-CAP,S 100P-50 J CH
C242	87-010-406-080		CAP,E 22-50 M SME
C243	87-010-197-080		C-CAP,S 0.01-25 K B
C244	87-010-406-080		CAP,E 22-50 M SME
C301	87-010-318-080		C-CAP,S 47P-50 J CH
C302	87-010-318-080		C-CAP,S 47P-50 J CH
C303	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C304	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C305	87-012-145-080		C-CAP,S 270P-50 J CH
C306	87-012-145-080		C-CAP,S 270P-50 J CH
C307	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C311	87-010-198-080		C-CAP,S 0.022-25 K B
C312	87-010-198-080		C-CAP,S 0.022-25 K B
C313	87-010-180-080		C-CAP,S 1500P-50 K B
C314	87-010-180-080		C-CAP,S 1500P-50 K B
C315	87-010-178-080		C-CAP,S 1000P-50 K B
C316	87-010-178-080		C-CAP,S 1000P-50 K B
C317	87-012-142-080		C-CAP,S 0.33-16 Z F
C318	87-012-142-080		C-CAP,S 0.33-16 Z F
C319	87-012-141-080		C-CAP,S 0.22-16 Z F
C320	87-012-141-080		C-CAP,S 0.22-16 Z F
C321	87-012-141-080		C-CAP,S 0.22-16 Z F
C322	87-012-141-080		C-CAP,S 0.22-16 Z F
C324	87-010-260-080		CAP,E 47-25 SME
C325	87-010-370-080		CAP,E 330-6.3 M SME
C327	87-010-404-080		CAP,E 4.7-50 M SME
C328	87-010-404-080		CAP,E 4.7-50 M SME
C332	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C335	87-010-401-080		CAP,E 1-50 M SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C336	87-010-401-080		CAP,E 1-50 M SME
C337	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C339	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C340	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C351	87-012-140-080		C-CAP,S 470P-50 J CH
C352	87-012-140-080		C-CAP,S 470P-50 J CH
C354	87-010-306-080		C-CAP,560P-50 J CH
C355	87-010-178-080		C-CAP,S 1000P-50 K B
C356	87-010-260-080		CAP,E 47-25 SME
C357	87-010-197-080		C-CAP,S 0.01-25 K B
C358	87-010-183-080		C-CAP,S 2700P-50 K B
C359	87-010-183-080		C-CAP,S 2700P-50 K B
C360	87-010-183-080		C-CAP,S 2700P-50 K B
C370	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C371	87-010-179-080		C-CAP,S 1200P-50 K B
C372	87-010-179-080		C-CAP,S 1200P-50 K B
C373	87-010-179-080		C-CAP,S 1200P-50 K B
C374	87-015-826-080		C-CAP,1200P-50 K B
C375	87-010-545-080		CAP,E 0.22-50 M SME
C376	87-010-545-080		CAP,E 0.22-50 M SME
C378	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C381	87-010-197-080		C-CAP,S 0.01-25 K B
C382	87-010-318-080		C-CAP,S 47P-50 J CH
C383	87-010-197-080		C-CAP,S 0.01-25 K B
C384	87-010-402-080		CAP,E 2.2-50 M SME
C385	87-010-184-080		C-CAP,S 3300P-50 K B
C386	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C388	87-010-154-080		C-CAP,S 10P-50 D CH
C401	87-010-184-080		C-CAP,S 3300P-50 K B
C402	87-010-184-080		C-CAP,S 3300P-50 K B
C403	87-010-405-080		CAP,E 10-50 M SME
C404	87-010-405-080		CAP,E 10-50 M SME
C405	87-010-260-080		CAP,E 47-25 SME
C406	87-010-101-080		CAP,E 220-16 SME
C407	87-010-188-080		C-CAP,S 6800P-50 K B
C408	87-010-188-080		C-CAP,S 6800P-50 K B
C409	87-012-140-080		C-CAP,S 470P-50 J CH
C410	87-012-140-080		C-CAP,S 470P-50 J CH
C411	87-010-197-080		C-CAP,S 0.01-25 K B
C412	87-010-197-080		C-CAP,S 0.01-25 K B
C413	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C414	87-010-195-080		C-CAP,S 0.068-25 Z F C2012
C415	87-010-404-080		CAP,E 4.7-50 M SME
C416	87-010-404-080		CAP,E 4.7-50 M SME
C417	87-010-404-080		CAP,E 4.7-50 M SME
C418	87-010-404-080		CAP,E 4.7-50 M SME
C421	87-010-401-080		CAP,E 1-50 M SME
C422	87-010-401-080		CAP,E 1-50 M SME
C503	87-012-154-080		C-CAP,S 150P-50 J CH GRM<HE>
C504	87-012-154-080		C-CAP,S 150P-50 J CH GRM<HE>
C505	87-012-145-080		C-CAP,S 270P-50 J CH<HE>
C506	87-012-145-080		C-CAP,S 270P-50 J CH<HE>
C507	87-010-183-080		C-CAP,S 2700P-50 K B<HE>
C509	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HE>
C510	87-010-177-080		C-CAP,S 820P-50 J SL<HE>
C511	87-010-177-080		C-CAP,S 820P-50 J SL<HE>
C512	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HE>
C513	87-010-374-080		CAP,E 47-10 M SME<HE>
C514	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HE>
C515	87-010-263-080		CAP,E 100-10 SME<HE>
C516	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<LH>
C517	87-010-183-080		C-CAP,S 2700P-50 K B<HE>
C527	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HE>
C605	87-010-180-080		C-CAP,S 1500P-50 K B
C606	87-010-180-080		C-CAP,S 1500P-50 K B
C611	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C615	87-010-183-080		C-CAP,S 2700P-50 K B
C619	87-010-263-080		CAP,E 100-10 SME
C620	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C621	87-010-263-080		CAP,E 100-10 SME
C622	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C623	87-010-194-080		C-CAP,S 0.047-25 Z F
C629	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C646	87-010-322-080		C-CAP,S 100P-50 J CH
C647	87-010-322-080		C-CAP,S 100P-50 J CH
C701	87-010-381-080		CAP,E 330-16 SME
C702	87-010-404-080		CAP,E 4.7-50 M SME
C703	87-010-197-080		C-CAP,S 0.01-25 K B
C704	87-010-197-080		C-CAP,S 0.01-25 K B
C711	87-010-263-080		CAP,E 100-10 SME
C712	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C713	87-010-197-080		C-CAP,S 0.01-25 K B
C714	87-010-197-080		C-CAP,S 0.01-25 K B
C721	87-010-312-080		C-CAP,S 15P-50 J CH
C722	87-010-312-080		C-CAP,S 15P-50 J CH
C723	87-010-178-080		C-CAP,S 1000P-50 K B
C725	87-010-178-080		C-CAP,S 1000P-50 K B
C727	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C728	87-010-248-080		CAP,E 220-10 SME
C755	87-010-197-080		C-CAP,S 0.01-25 K B
C756	87-010-197-080		C-CAP,S 0.01-25 K B
C757	87-010-318-080		C-CAP,S 47P-50 J CH
C758	87-010-149-080		C-CAP,S 5P-50 CH
C761	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C762	87-010-197-080		C-CAP,S 0.01-25 K B
C763	87-010-194-080		C-CAP,S 0.047-25 Z F
C765	87-010-197-080		C-CAP,S 0.01-25 K B
C766	87-010-197-080		C-CAP,S 0.01-25 K B
C767	87-010-405-080		CAP,E 10-50 M SME
C768	87-010-197-080		C-CAP,S 0.01-25 K B
C769	87-010-408-080		CAP,E 47-50 SME
C770	87-015-821-080		C-CAP, 0.047-50 Z F GR
C771	87-010-407-080		CAP,E 33-50 SME
C772	87-010-194-080		C-CAP,S 0.047-25 Z F
C773	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C774	87-010-263-080		CAP,E 100-10 SME
C775	87-010-404-080		CAP,E 4.7-50 M SME
C776	87-010-197-080		C-CAP,S 0.01-25 K B
C777	87-010-400-080		CAP,E 0.47-50 M SME
C778	87-010-401-080		CAP,E 1-50 M SME
C779	87-010-401-080		CAP,E 1-50 M SME
C780	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C781	87-010-405-080		CAP,E 10-50 M SME
C782	87-010-405-080		CAP,E 10-50 M SME
C783	87-015-819-080		C-CAP,0.01-50 K B
C784	87-010-197-080		C-CAP,S 0.01-25 K B
C785	87-010-400-080		CAP,E 0.47-50 M SME
C786	87-010-400-080		CAP,E 0.47-50 M SME
C787	87-010-184-080		C-CAP,S 3300P-50 K B
C788	87-010-184-080		C-CAP,S 3300P-50 K B
C789	87-010-179-080		C-CAP,S 1200P-50 K B
C790	87-010-179-080		C-CAP,S 1200P-50 K B
C791	87-010-405-080		CAP,E 10-50 M SME
C793	87-010-178-080		C-CAP,S 1000P-50 K B
C794	87-010-406-080		CAP,E 22-50 M SME
C795	87-010-596-080		C-CAP,S 0.047-16 K R
C796	87-010-403-080		CAP,E 3.3-50 M SME
C797	87-010-180-080		C-CAP,S 1500P-50 K B<HE>
C797	87-010-182-080		C-CAP,S 2200P-50 K B<LH>
C798	87-010-180-080		C-CAP,S 1500P-50 K B<HE>
C798	87-010-182-080		C-CAP,S 2200P-50 K B<LH>
C799	87-010-194-080		C-CAP,S 0.047-25 Z F
C812	87-010-197-080		C-CAP,S 0.01-25 K B
C813	87-010-197-080		C-CAP,S 0.01-25 K B
C814	87-010-197-080		C-CAP,S 0.01-25 K B
C815	87-010-197-080		C-CAP,S 0.01-25 K B
C816	87-010-197-080		C-CAP,S 0.01-25 K B
C819	87-010-197-080		C-CAP,S 0.01-25 K B
C820	87-010-408-080		CAP,E 47-50 SME
C821	87-010-197-080		C-CAP,S 0.01-25 K B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C822	87-010-197-080		C-CAP,S 0.01-25 K B
C823	87-010-197-080		C-CAP,S 0.01-25 K B
C828	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C829	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C959	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C960	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C961	87-010-152-080		C-CAP,S 8P-50 D CH
CF801	87-008-261-010		FLTR,CFSFE10.7MA5
CF802	87-008-261-010		FLTR,CFSFE10.7MA5
FFE801	A8-7ZA-290-030		7ZA-2 FEUNM
J252	87-A60-024-010		JACK,DIA6.3 BLK ST W/SW KM
J253	87-099-474-010		JACK,PIN 3P BLK W/SW
J254	87-A60-238-010		TERMINAL,SP 4P (MSC)
J601	87-099-625-010		JACK,PIN 4P BLK W/O SW
J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02
L201	87-003-383-010		COIL,1UH K
L202	87-003-383-010		COIL,1UH K
L301	87-A50-049-010		COIL,TRAP 85K(COI)
L302	87-A50-049-010		COIL,TRAP 85K(COI)
L351	87-007-342-010		COIL,OSC 85KHZ BIAS
L601	87-003-231-080		C-COIL,1 UH
L770	87-005-849-080		COIL,10UH K CECS
L771	87-A50-165-010		COIL,FM DET-N(TOK)
L772	87-A90-245-010		FLTR,CFAZH-450 (TOK)
L791	87-A50-027-010		COIL,1 POLE MPX(TOK)<HE>
L791	87-003-293-010		COIL,TRAP MPX<LH>
L792	87-A50-027-010		COIL,1 POLE MPX(TOK)<HE>
L792	87-003-293-010		COIL,TRAP MPX<LH>
L832	87-005-847-080		COIL,2.2UH K CECS
L981	87-NF4-650-010		COIL,AM PACK4N(TOK)
⚠ PR201	87-026-681-080		PROTECTOR,5A 491SERIES 60V
⚠ PR202	87-026-681-080		PROTECTOR,5A 491SERIES 60V
R229	87-022-184-080		RES,M/F 0.33-1W J
R230	87-022-184-080		RES,M/F 0.33-1W J
R231	87-022-184-080		RES,M/F 0.33-1W J
R232	87-022-184-080		RES,M/F 0.33-1W J
RY101	87-045-389-010		RELAY,12V OSA-SS-212DM5
RY201	87-045-382-010		RELAY,12V OUAZ-SH-112L
SFR301	87-024-435-080		SFR,33K H RH063MC
SFR302	87-024-435-080		SFR,33K H RH063MC
SFR303	87-024-435-080		SFR,33K H RH063MC
SFR304	87-024-435-080		SFR,33K H RH063MC
SFR305	87-024-436-080		SFR,47K H RH063MC
SFR306	87-024-436-080		SFR,47K H RH063MC
SFR351	87-024-436-080		SFR,47K H RH063MC
SFR352	87-024-436-080		SFR,47K H RH063MC
TH201	87-A90-221-080		C-THMS,100K
TH202	87-A90-221-080		C-THMS,100K
W1	85-NF5-628-010		F-CABLE,7P-2.5
W602	85-NF5-617-010		CABLE,FFC 6P-1.25
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309

FRONT C.B

C101	87-010-198-080		C-CAP,S 0.022-25 K B
C102	87-010-198-080		C-CAP,S 0.022-25 K B
C103	87-010-197-080		C-CAP,S 0.01-25 K B
C104	87-010-320-080		C-CAP,S 68P-50 J CH
C105	87-010-316-080		C-CAP,S 33P-50 J CH
C107	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C108	87-010-405-040		CAP,E 10-50 M SME
C109	87-010-401-040		CAP,E 1-50 M SME
C110	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C111	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C112	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C113	87-A10-189-040		CAP,E 220-10 M
C114	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C115	87-010-178-080		C-CAP,S 1000P-50 K B
C116	87-010-494-080		CAP,E 1-50 M 5L SRE
C117	87-010-263-040		CAP,E 100-10 M SME
C118	87-010-194-080		C-CAP,S 0.047-25 Z F
C119	87-010-408-040		CAP,E 47-50 M SME
C120	87-010-404-040		CAP,E 4.7-50 SME
C121	87-010-404-040		CAP,E 4.7-50 SME
C122	87-010-194-080		C-CAP,S 0.047-25 Z F
C123	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C124	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C125	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C126	87-010-312-080		C-CAP,S 15P-50 J CH
C127	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C201	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C281	87-010-198-080		C-CAP,S 0.022-25 K B
C282	87-010-198-080		C-CAP,S 0.022-25 K B
C381	87-012-158-080		C-CAP,S 390P-50 J CH GRM
C382	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C383	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C384	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C385	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C386	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C387	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C403	87-010-956-080		C-CAP,S 0.068-25 K B
C404	87-010-956-080		C-CAP,S 0.068-25 K B
C405	87-010-400-040		CAP,E 0.47-50 SME
C406	87-010-400-040		CAP,E 0.47-50 SME
C407	87-010-183-080		C-CAP,S 2700P-50 K B
C408	87-010-183-080		C-CAP,S 2700P-50 K B
C409	87-A10-201-080		C-CAP,S 0.33-16 K B
C410	87-A10-201-080		C-CAP,S 0.33-16 K B
C411	87-010-198-080		C-CAP,S 0.022-25 K B
C412	87-010-198-080		C-CAP,S 0.022-25 K B
C413	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C414	87-010-374-040		CAP,E 47-10 SME
C415	87-010-374-040		CAP,E 47-10 SME
C416	87-016-081-080		C-CAP,S 0.1-16 K R
C417	87-016-081-080		C-CAP,S 0.1-16 K R
C418	87-010-405-040		CAP,E 10-50 M SME
C501	87-010-319-080		C-CAP,S 56P-50 J CH
C502	87-010-319-080		C-CAP,S 56P-50 J CH
C503	87-016-460-080		C-CAP,S 0.22-16 K B
C504	87-010-197-080		C-CAP,S 0.01-25 K B
C505	87-010-180-080		C-CAP,S 1500P-50 K B
C506	87-010-213-080		C-CAP,S 0.015-25 K B
C507	87-010-213-080		C-CAP,S 0.015-25 K B
C508	87-010-197-080		C-CAP,S 0.01-25 K B
C509	87-010-181-080		C-CAP,S 1800P-50 K B
C510	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C512	87-010-408-040		CAP,E 47-50 M SME
C513	87-010-401-040		CAP,E 1-50 M SME
C514	87-010-401-040		CAP,E 1-50 M SME
C515	87-010-183-080		C-CAP,S 2700P-50 K B
C516	87-010-183-080		C-CAP,S 2700P-50 K B
C518	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C519	87-010-263-040		CAP,E 100-10 M SME
C525	87-012-141-080		C-CAP,S 0.22-16 Z F
C601	87-010-405-040		CAP,E 10-50 M SME
C602	87-010-186-080		C-CAP,S 4700P-50 K B
C603	87-010-405-040		CAP,E 10-50 M SME
C604	87-010-406-040		CAP,E 22-50 M SME
C605	87-018-209-080		CAP,TC U 0.1-50 Z F UP050
C607	87-010-321-080		C-CAP,S 82P-50 J CH
C608	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C609	87-010-491-040		CAP,E 0.22-50 5L SRE
C611	87-010-177-080		C-CAP,S 820P-50 J SL
C612	87-010-176-080		C-CAP,S 680P-50 J SL
C614	87-010-248-040		CAP,E 220-10 M SME
C701	87-010-555-080		CAP,E 100-10 M 5L SRE
C702	87-010-112-080		CAP,E 100-16 M SME
C705	87-016-081-080		C-CAP,S 0.1-16 K R
C706	87-010-956-080		C-CAP,S 0.068-25 K B

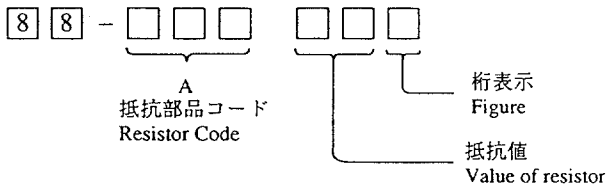
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C707	87-016-081-080		C-CAP,S 0.1-16 K R
C708	87-010-956-080		C-CAP,S 0.068-25 K B
C709	87-016-369-080		C-CAP,S 0.033-25 K B
C710	87-016-081-080		C-CAP,S 0.1-16 K R
C711	87-010-220-080		C-CAP,S 0.018-25 K B
C712	87-010-992-080		C-CAP,S 0.047-25 K B MK212
C713	87-010-189-080		C-CAP,S 8200P-50 K B
C714	87-010-198-080		C-CAP,S 0.022-25 K B
C715	87-010-185-080		C-CAP,S 3900P-50 K B
C716	87-010-197-080		C-CAP,S 0.01-25 K B
C717	87-010-182-080		C-CAP,S 2200P-50 K B
C718	87-010-186-080		C-CAP,S 4700P-50 K B
C719	87-010-178-080		C-CAP,S 1000P-50 K B
C720	87-010-183-080		C-CAP,S 2700P-50 K B
C721	87-010-405-080		CAP,E 10-50 M SME
C722	87-010-405-080		CAP,E 10-50 M SME
C723	87-010-378-080		CAP,E 10-16 M SME
C724	87-016-369-080		C-CAP,S 0.033-25 K B
C725	87-016-081-080		C-CAP,S 0.1-16 K R
C726	87-010-992-080		C-CAP,S 0.047-25 K B MK212
C727	87-010-992-080		C-CAP,S 0.047-25 K B MK212
C728	87-010-189-080		C-CAP,S 8200P-50 K B
C729	87-010-198-080		C-CAP,S 0.022-25 K B
C730	87-010-185-080		C-CAP,S 3900P-50 K B
C731	87-010-197-080		C-CAP,S 0.01-25 K B
C732	87-010-182-080		C-CAP,S 2200P-50 K B
C733	87-010-186-080		C-CAP,S 4700P-50 K B
C734	87-010-178-080		C-CAP,S 1000P-50 K B
C735	87-010-183-080		C-CAP,S 2700P-50 K B
C736	87-010-194-080		C-CAP,S 0.047-25 Z F
C737	87-010-194-080		C-CAP,S 0.047-25 Z F
FB601	87-008-372-080		FLTR,EMIBL01 RN1
FL101	87-MA4-604-010		FL,BJ541GK 7MA-4
L501	87-005-448-080		COIL,220UH K FLR50
LED201	87-017-785-080		LED,SEL4214S RED
LED202	87-017-785-080		LED,SEL4214S RED
LED203	87-017-785-080		LED,SEL4214S RED
LED204	87-017-785-080		LED,SEL4214S RED
LED205	87-017-785-080		LED,SEL4214S RED
LED206	87-017-368-080		LED,SEL4514C TP5 PGRN
LED207	87-017-368-080		LED,SEL4514C TP5 PGRN
LED208	87-017-368-080		LED,SEL4514C TP5 PGRN
LED209	87-017-368-080		LED,SEL4514C TP5 PGRN
LED210	87-017-368-080		LED,SEL4514C TP5 PGRN
LED211	87-017-368-080		LED,SEL4514C TP5 PGRN
LED212	87-017-368-080		LED,SEL4514C TP5 PGRN
LED213	87-017-368-080		LED,SEL4514C TP5 PGRN
LED214	87-017-368-080		LED,SEL4514C TP5 PGRN
LED215	87-017-368-080		LED,SEL4514C TP5 PGRN
LED216	87-017-731-080		LED,SEL1510CM2 PGRN
LED217	87-017-731-080		LED,SEL1510CM2 PGRN
LED218	87-017-731-080		LED,SEL1510CM2 PGRN
LED219	87-017-731-080		LED,SEL1510CM2 PGRN
LED220	87-017-731-080		LED,SEL1510CM2 PGRN
LED221	87-017-731-080		LED,SEL1510CM2 PGRN
LED233	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED234	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED235	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED236	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED237	87-070-300-010		LED,SEL1250SMLF34 RED
LED238	87-070-300-010		LED,SEL1250SMLF34 RED
LED239	87-017-785-080		LED,SEL4214S RED
LED240	87-017-785-080		LED,SEL4214S RED
LED241	87-002-787-080		LED,SEL6215S RED
LED242	87-002-787-080		LED,SEL6215S RED
LED243	87-002-787-080		LED,SEL6215S RED
LED244	87-002-787-080		LED,SEL6215S RED
R301	87-022-355-080		C-RES,S 10K-1/10W F
R321	87-022-355-080		C-RES,S 10K-1/10W F
R341	87-022-355-080		C-RES,S 10K-1/10W F

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S301	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
S309	87-A90-095-080		SW,TACT EVQ11G04M
S321	87-A90-095-080		SW,TACT EVQ11G04M
S322	87-A90-095-080		SW,TACT EVQ11G04M
S323	87-A90-095-080		SW,TACT EVQ11G04M
S324	87-A90-095-080		SW,TACT EVQ11G04M
S325	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
S333	87-A90-095-080		SW,TACT EVQ11G04M
S334	87-A90-095-080		SW,TACT EVQ11G04M
S335	87-A90-095-080		SW,TACT EVQ11G04M
S336	87-A90-095-080		SW,TACT EVQ11G04M
S341	87-A90-095-080		SW,TACT EVQ11G04M
S342	87-A90-095-080		SW,TACT EVQ11G04M
S344	87-A90-095-080		SW,TACT EVQ11G04M<HE>
S346	87-A90-095-080		SW,TACT EVQ11G04M<HE>
S349	87-A90-095-080		SW,TACT EVQ11G04M
S350	87-A90-095-080		SW,TACT EVQ11G04M
S351	87-A90-095-080		SW,TACT EVQ11G04M
S352	87-A90-095-080		SW,TACT EVQ11G04M
S353	87-A90-095-080		SW,TACT EVQ11G04M
S354	87-A90-095-080		SW,TACT EVQ11G04M
S355	87-A90-095-080		SW,TACT EVQ11G04M
S356	87-A90-095-080		SW,TACT EVQ11G04M
SW101	87-A90-535-010		SW,RTRY EC16B24304W0-20
W104	88-914-251-110		FF-CABLE,14P 1.25 250MM
W105	88-908-231-110		FF-CABLE,8P 1.25
W501	85-MA2-602-010		CABLE,FFC 15P-1.25
X201	87-A70-070-080		VIB,CER 5.76MHZ CRHF
CD KEY C.B			
C371	87-018-209-080		CAP,TC U 0.1-50 Z F UP050
LED371	87-017-785-080		LED,SEL4214S RED
LED372	87-017-785-080		LED,SEL4214S RED
LED373	87-017-785-080		LED,SEL4214S RED
LED374	87-017-785-080		LED,SEL4214S RED
LED375	87-017-785-080		LED,SEL4214S RED
S370	87-A90-095-080		SW,TACT EVQ11G04M
S371	87-A90-095-080		SW,TACT EVQ11G04M
S372	87-A90-095-080		SW,TACT EVQ11G04M
S373	87-A90-095-080		SW,TACT EVQ11G04M
S374	87-A90-095-080		SW,TACT EVQ11G04M
S375	87-A90-095-080		SW,TACT EVQ11G04M
S376	87-A90-095-080		SW,TACT EVQ11G04M
MIC1 C.B			
J601	87-099-659-010		JACK,6.3 0
MIC2 C.B			
J602	87-099-659-010		JACK,6.3 0
RT C.B			

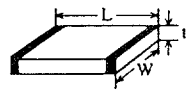
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
SW281	87-A90-469-010		SW,RTRY EVQVB0F0324B
AC2 C.B			
⚠ PR1	87-026-682-080		PROTECTOR,10A 491SERIES 60V
⚠ PR2	87-026-682-080		PROTECTOR,10A 491SERIES 60V
⚠ PR5	87-026-682-080		PROTECTOR,10A 491SERIES 60V
⚠ PR6	87-026-682-080		PROTECTOR,10A 491SERIES 60V
PT C.B			
⚠ F102	87-035-369-010		FUSE,5A 250V T
⚠ FC1	87-033-147-010		FUSE CLAMP,MT-20
⚠ FC2	87-033-147-010		FUSE CLAMP,MT-20
⚠ PT101	87-MA4-606-010		PT,7MA-4 HE<HE>
⚠ PT101	87-MA4-607-010		PT,7MA-4 LH<LH>
⚠ 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
DECK C.B			
CON502	87-099-756-010		CONN,15P 9604S F
SFR1	87-024-581-010		SFR,3.3K DIA 6H
SOL1	82-ZM1-626-010		SOL ASSY,27K
SOL2	82-ZM1-626-010		SOL ASSY,27K
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			
	85-ZM3-601-110		PWB,FLEX I
HEAD-2 C.B			
	85-ZM3-601-110		PWB,FLEX I
CON351	83-NEG-608-010		CONN ASSY,8P-RPB

○ チップ抵抗部品コード／CHIP RESISTOR PART CODE

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



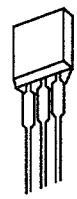
チップ抵抗
Chip resistor

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

TRANSISTOR ILLUSTRATION

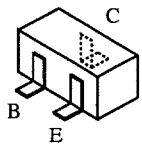
2SA1296
KTA1266
KTC3198

CSD1489
CSB1058



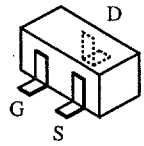
2SA933

C2N5401

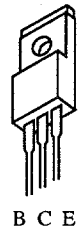


2SA1235
2SC2714
2SC3052
CMBT5551
CSA1362
CSD1306

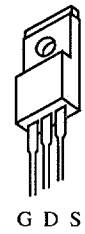
RN1410
RN2404
RT1N141C
RT1N144C
RT1P141C
RT1P144C



2SK2158



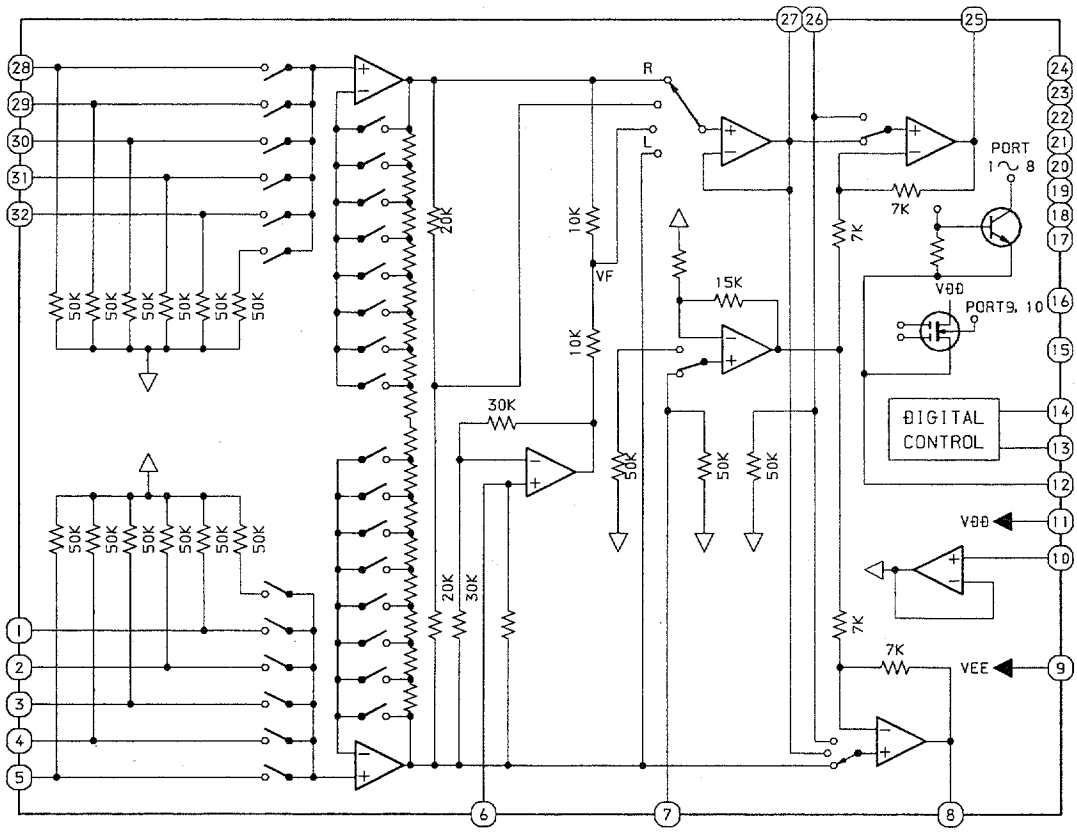
2SB1370
FN1016
FP1016



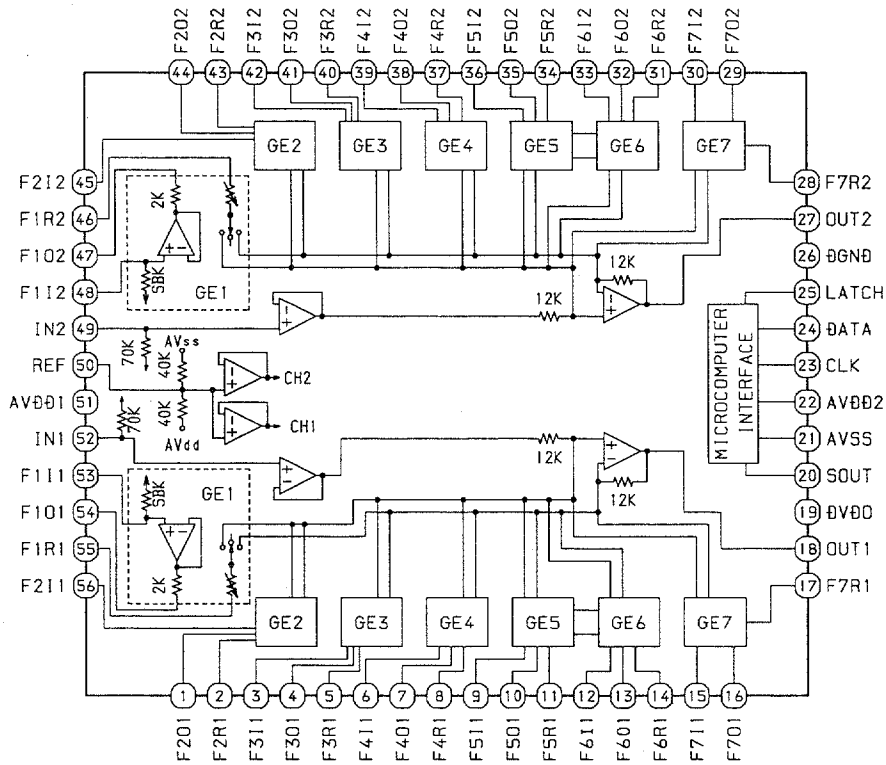
2SK2723

IC BLOCK DIAGRAM – 1

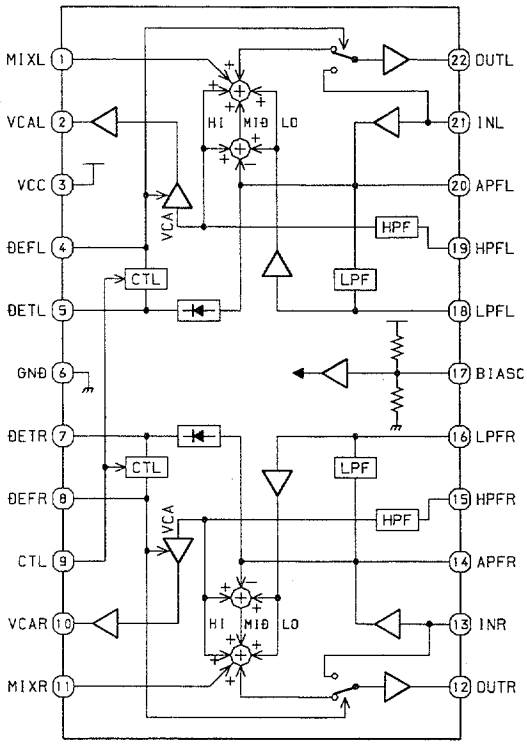
IC,BH3810FS



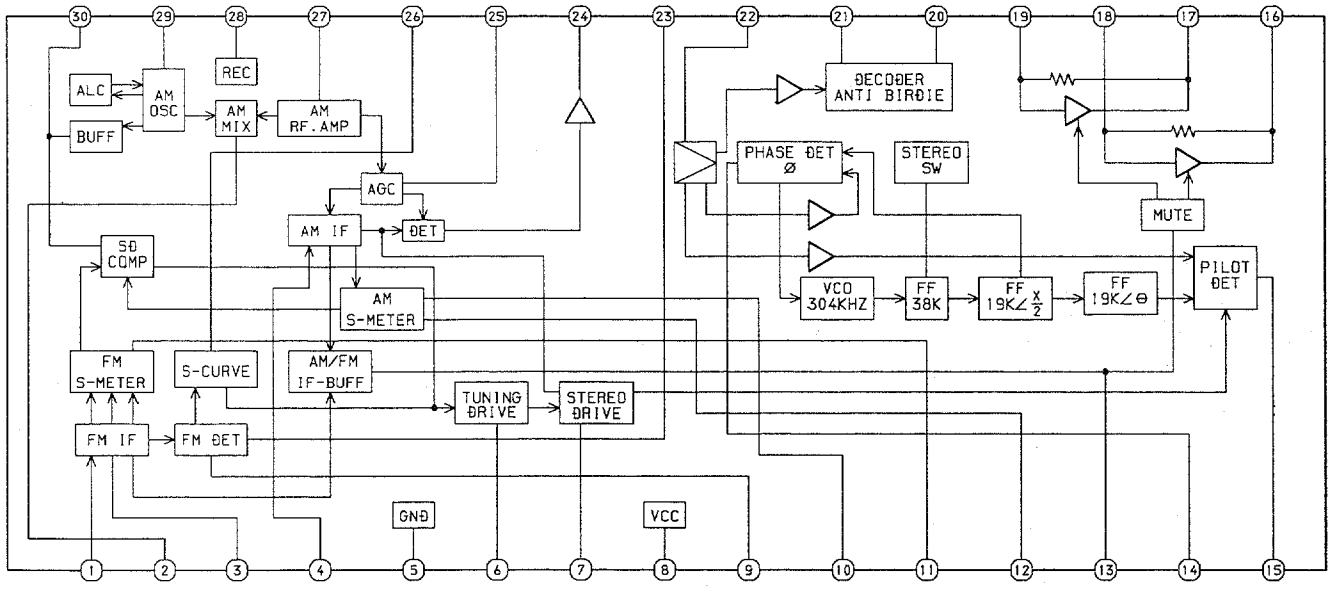
IC,M62431FP



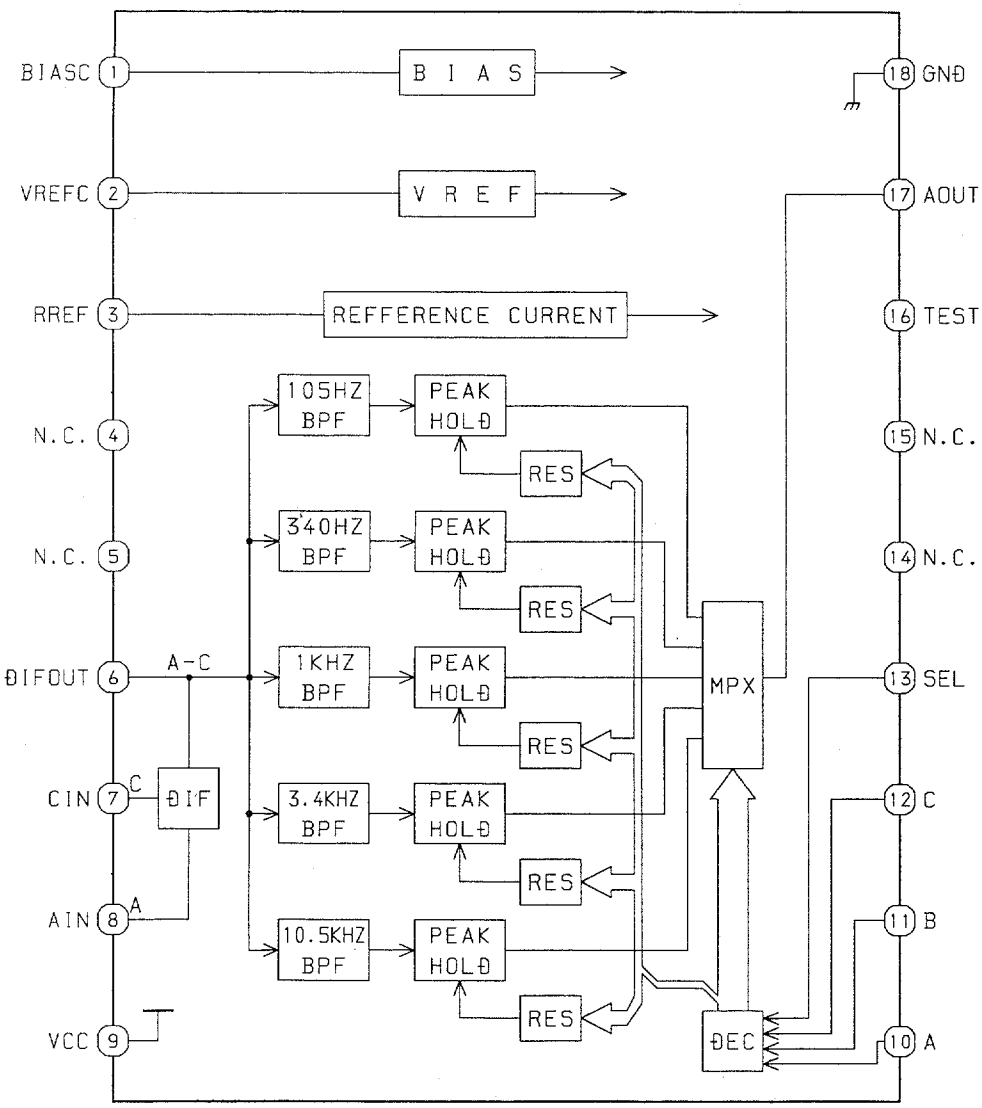
IC,BA3880S



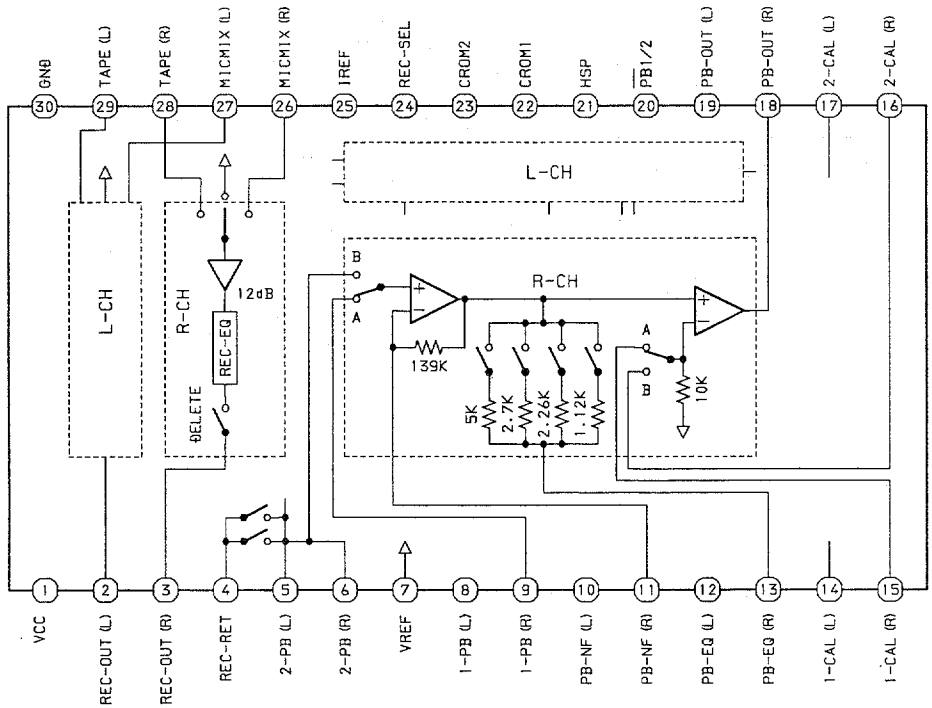
IC,LA1837



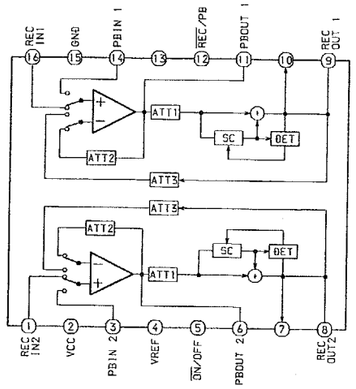
IC,BA3835S



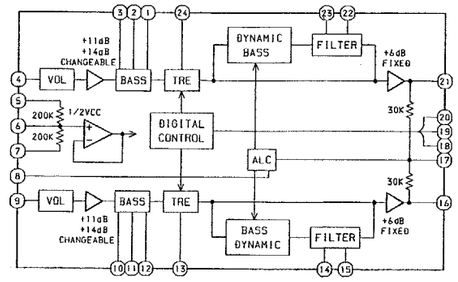
IC,HA12211



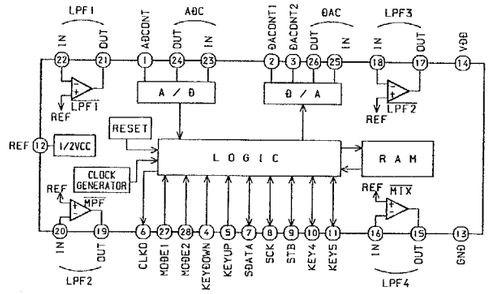
IC,CXA1553P



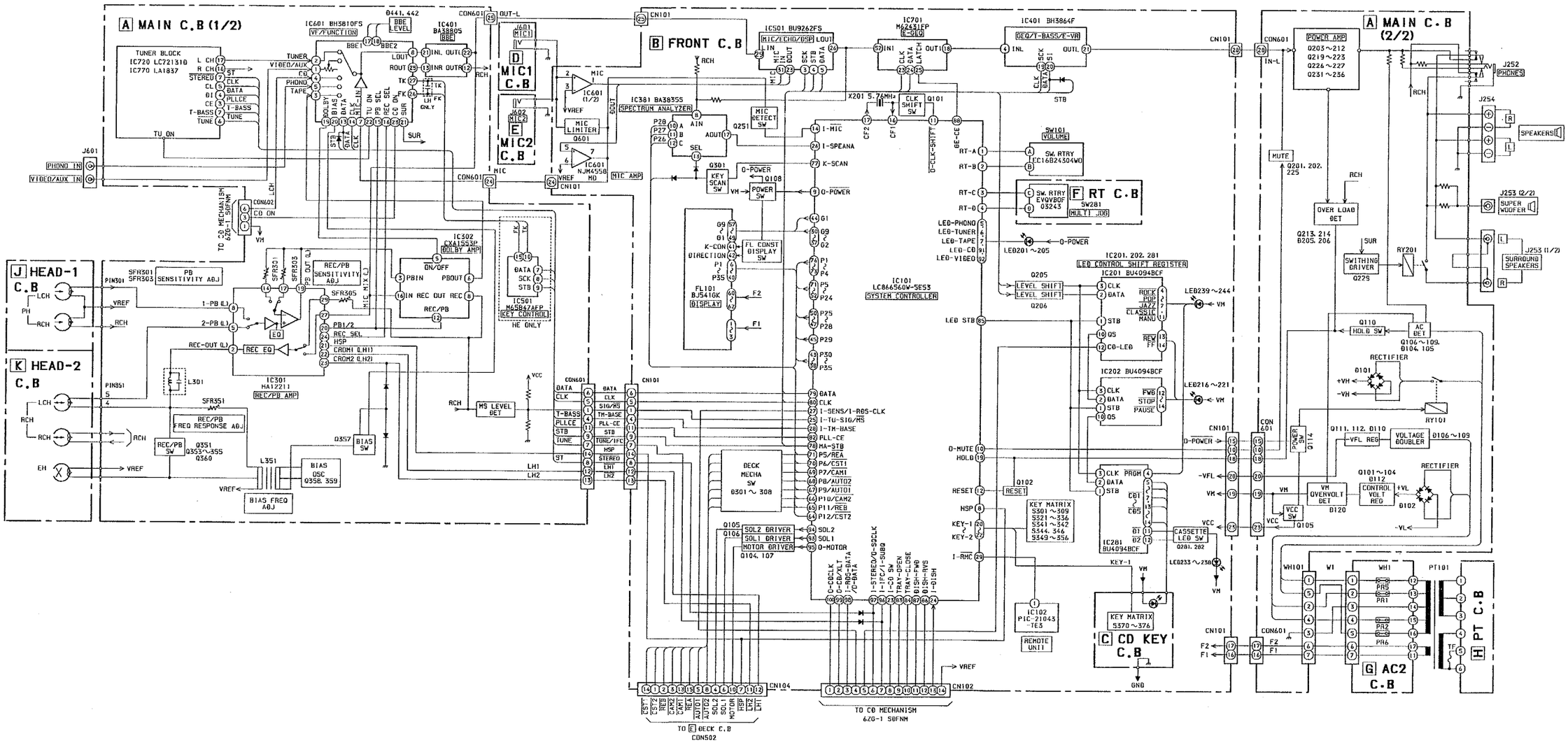
IC,BH3864F

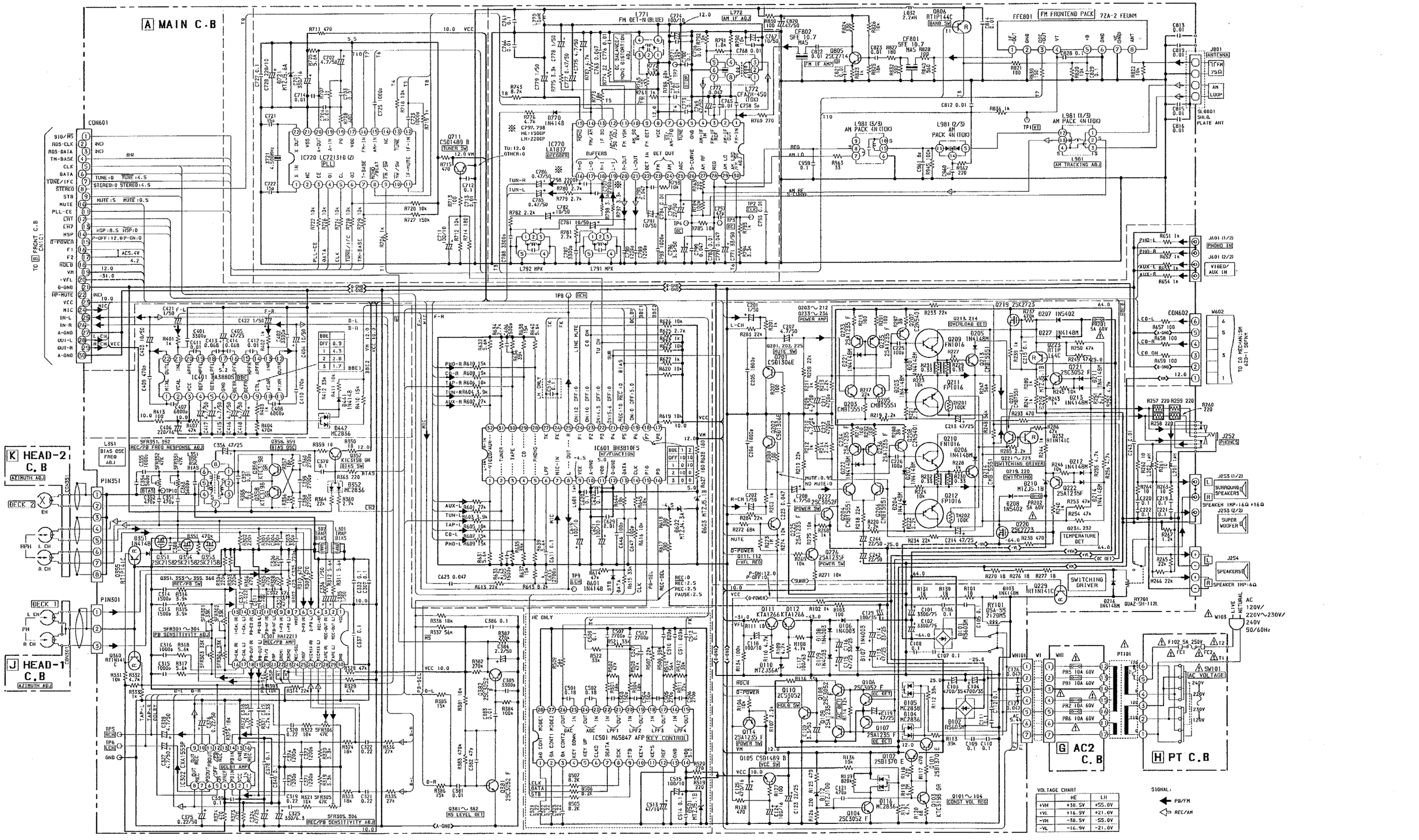


IC,M65847AFP <HE ONLY>



BLOCK DIAGRAM (MAIN)

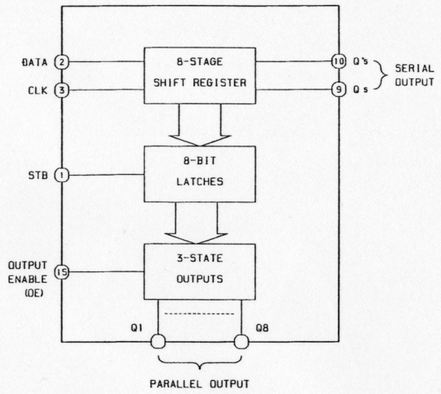




	HE	LH
+VH	+58.5V	+55.0V
+VL	+16.9V	+21.0V
-VH	-58.5V	-55.0V
-VL	-16.9V	-21.0V

IC BLOCK DIAGRAM – 2

IC,BU4094BCF



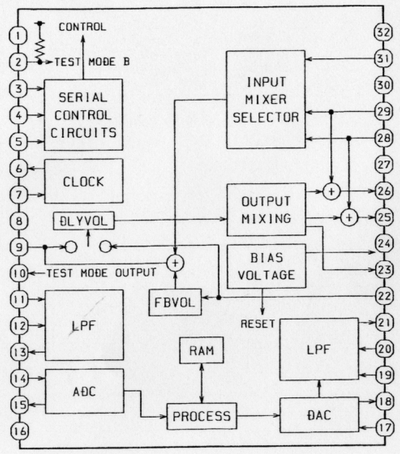
TRUTH TABLE

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
↓	L	X	X	Z	Z	Q7	NO Chg.
↑	L	X	X	Z	Z	No Chg.	Qs
↓	H	L	X	No Chg.	No Chg.	Q7	No Chg.
↓	H	H	L	L	Qn-1	Q7	No Chg.
↓	H	H	H	H	Qn-1	Q7	No Chg.
↑	H	X	X	No Chg.	No Chg.	No Chg.	Qs

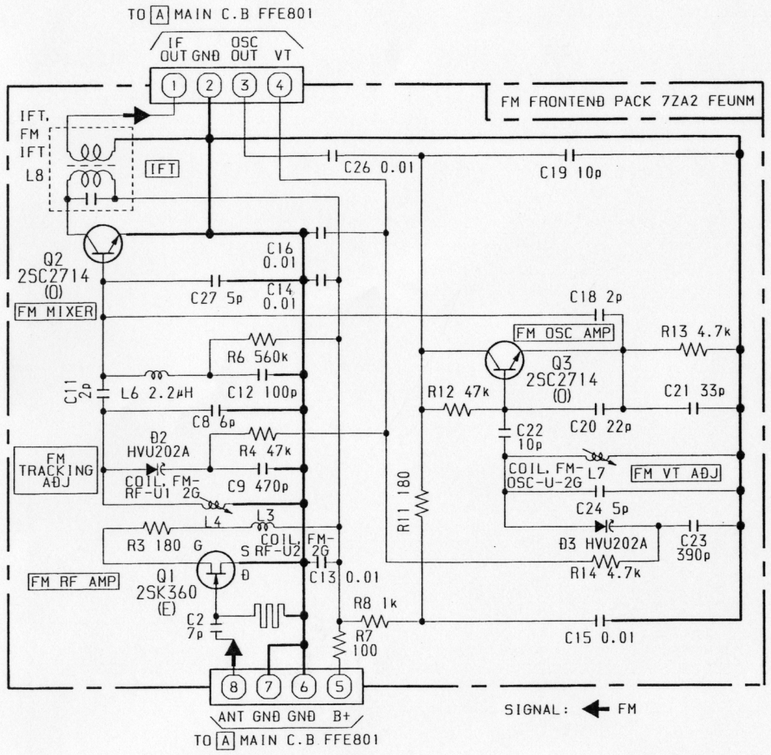
Z=High Impedance

X=Don't Care

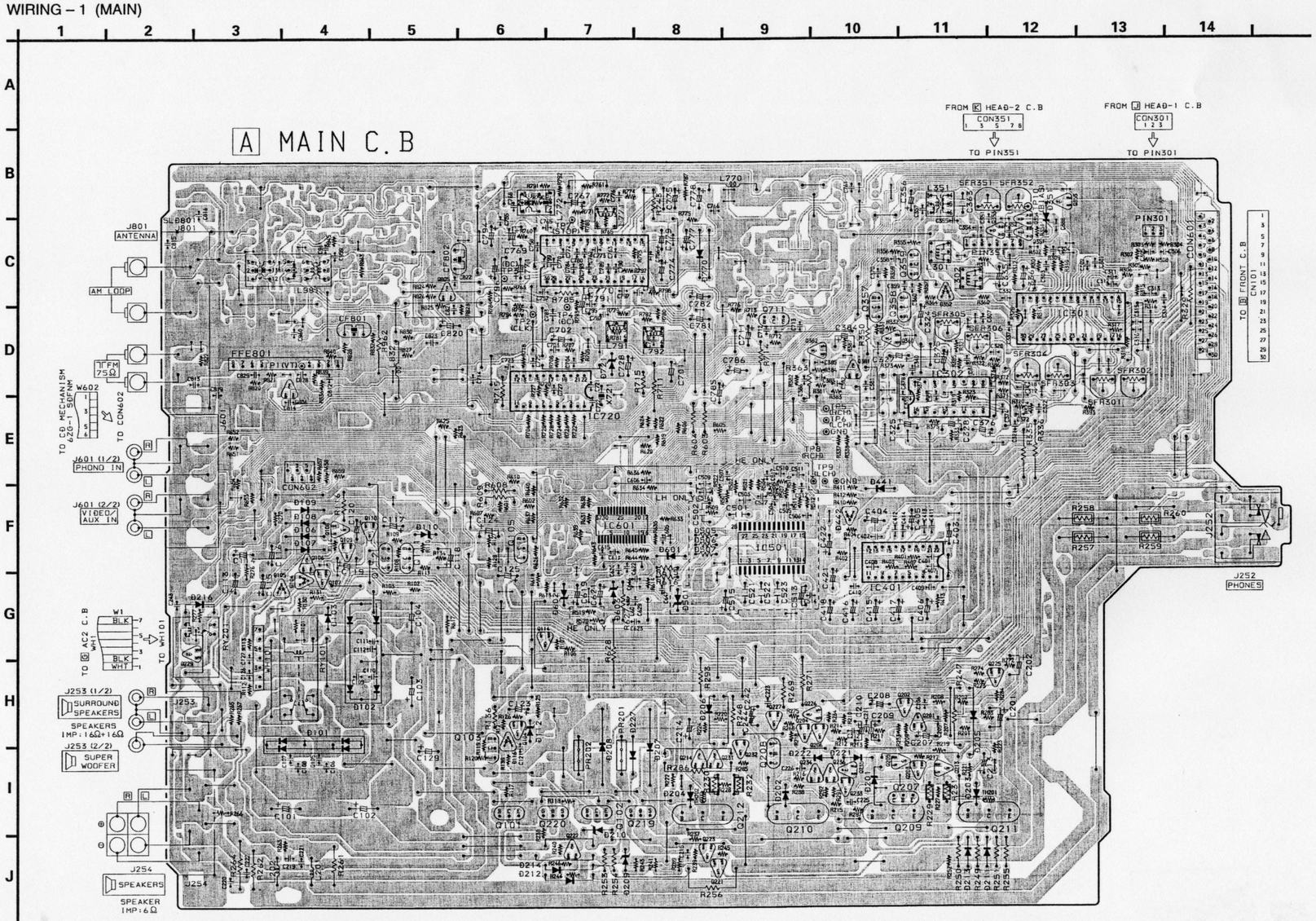
IC,BU9262FS

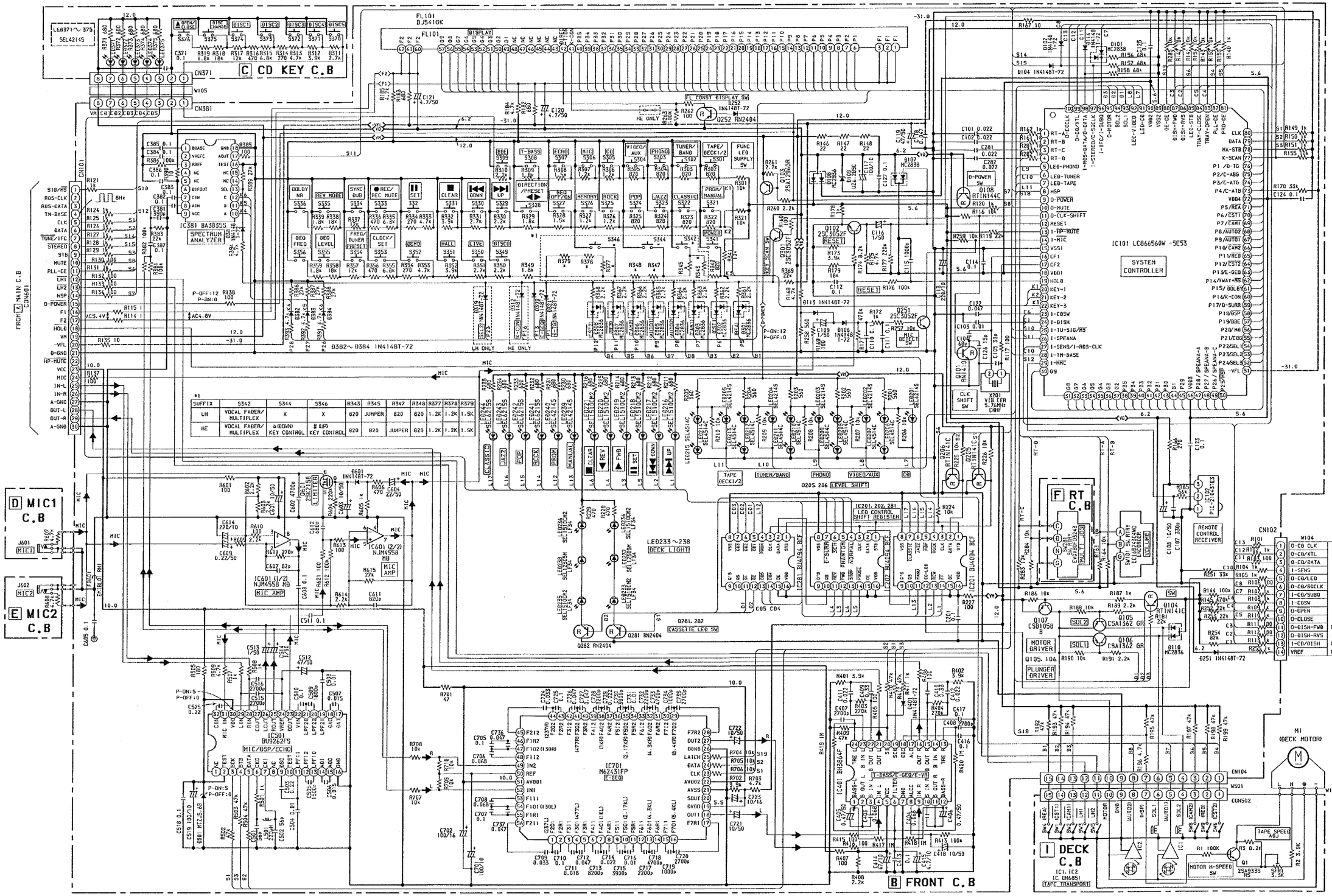


SCHEMATIC DIAGRAM – 2 (TUNER FRONTEND)



WIRING – 1 (MAIN)




C CD KEY C.B
CN371
W105
CN381
FL101
BJ541GK
DISPLAY
FL CONST BISPLAY SW
Q252 RN2404
IC581 BA38355
SPECTRUM ANALYZER
CN101
FROM A MAIN C.B CON601
IC101 LC866560W -5E53
SYSTEM CONTROLLER
F RT C.B
REMOTE CONTROL RECEIVER
CN102
W104
TO CD MECHANISM 6203-1 98FMM
D MIC1 C.B
J601 MIC1
E MIC2 C.B
J602 MIC2
IC601 (2/2) NJM4558 MD
MIC AMP
IC501 BU9262FS
MIC/DSP/ECHO
IC701 M62435FP
E-GEQ
IC401 BU3864F
T-BASS/E-GEQ/E-VOL
LED233~238
BECK LIGHT
Q281, 282
CASSETTE LED SW
IC201, 202, 281
LED CONTROL SHIFT REGISTER
IC201 BU4094 REF
IC281 BU4094 REF
Q205 206 LEVEL SHIFT
TAPE DECK1/2
TUNER/BAND
PHONO
VIDEO/AUX
CD
B FRONT C.B
I DECK C.B
IC1, IC2
IC: BN6851
TAPE TRANSPORT
M1
(BECK MOTOR)
EN104
W501
CON502
TAPE SPEED ADJ
MOTOR H-SPEED SW
MOTOR DRIVER
Q105, 106
PLUNGER DRIVER
SOL1
SOL2
D-POWER SW
CLK SHIFT SW
X701 VIB CER 5.76MHz CRHF
RESET
KEY SCAN
P-ON:12 P-OFF:0
P-ON:5 P-OFF:0
P-OFF:12 P-ON:0
AC4.8V
LH ONLY
HE ONLY
HE ONLY
0382~0384 1N4148T-72
0601 1N4148T-72
0602 1N4148T-72
0603 1N4148T-72
0604 1N4148T-72
0605 1N4148T-72
0606 1N4148T-72
0607 1N4148T-72
0608 1N4148T-72
0609 1N4148T-72
0610 1N4148T-72
0611 1N4148T-72
0612 1N4148T-72
0613 1N4148T-72
0614 1N4148T-72
0615 1N4148T-72
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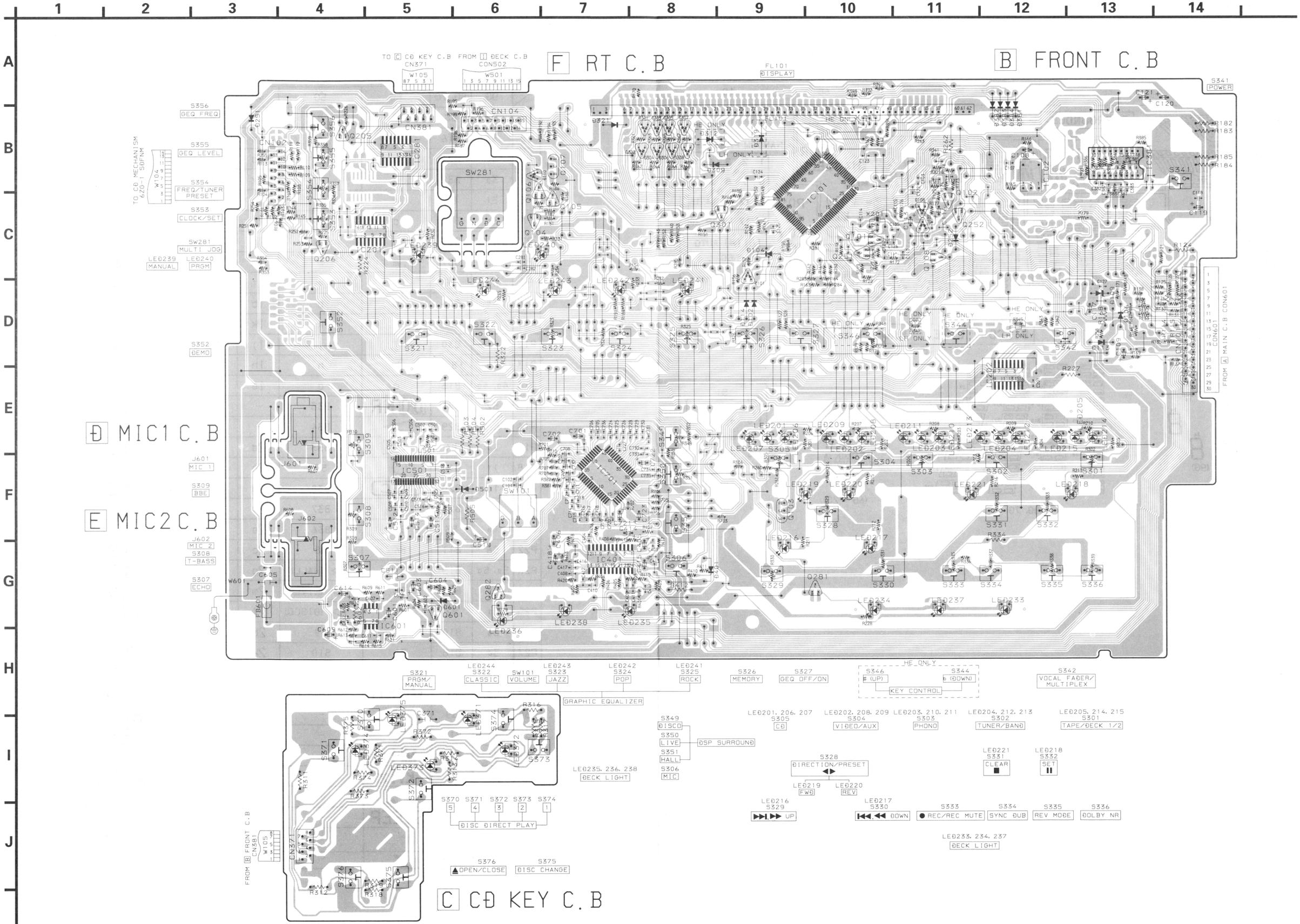
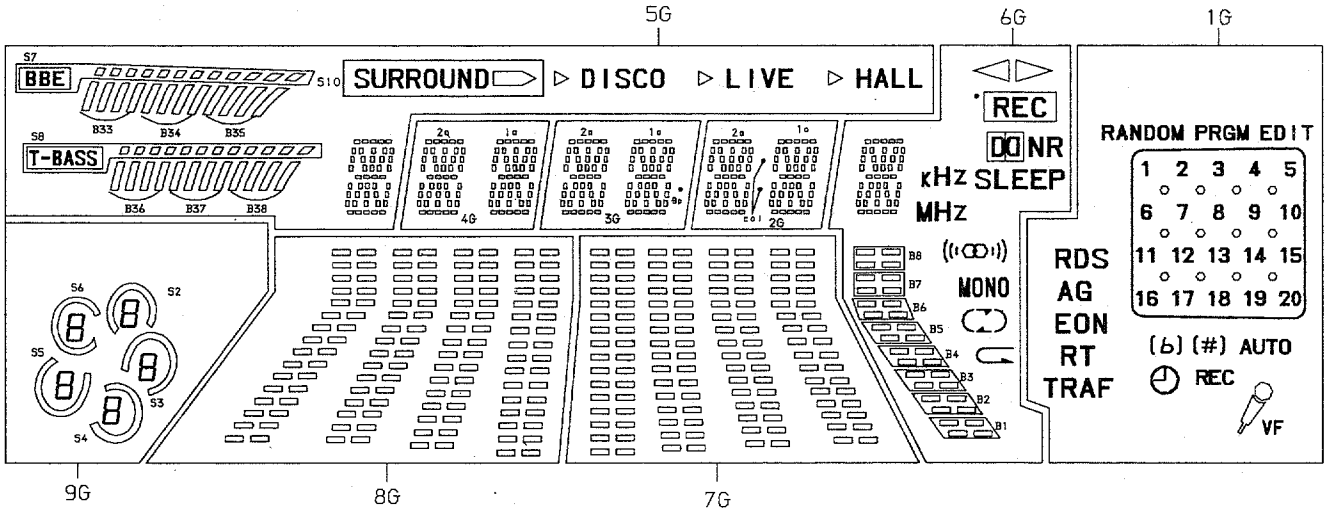
0617 1N4148T-72
0618 1N4148T-72
0619 1N4148T-72
0620 1N4148T-72

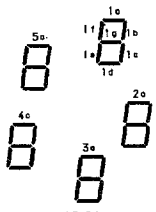

F RT C.B
B FRONT C.B
TO C CD KEY C.B CN371
FROM I DECK C.B CON502
W105
W501
FL101 DISPLAY
S341 POWER
S356 GEQ FREQ
S355 GEQ LEVEL
S354 FREQ/TUNER PRESET
S353 CLOCK/SET
SW281 MULTI JOG
LED239 MANUAL
LED240 PRGM
TO CD MECHANISM 6Z6-1 SDFNM
W104
S352 DEMO
SW281
S321
S322
S323
S324
S325
S326
S327
S344
S346
S342
S343
S345
S347
S348
IC101
IC50
IC401
IC601
IC701
SW101
D501
Q205
Q206
Q281
Q301
Q401
Q501
Q601
Q701
Q702
Q703
Q704
Q705
Q706
Q707
Q708
Q709
Q710
Q711
Q712
Q713
Q714
Q715
Q716
Q717
Q718
Q719
Q720
Q721
Q722
Q723
Q724
Q725
Q726
Q727
Q728
Q729
Q730
Q731
Q732
Q733
Q734
Q735
Q736
Q737
Q738
Q739
Q740

FL(BJ541GK) GRID ASSIGNMENT / ANODE CONNECTION

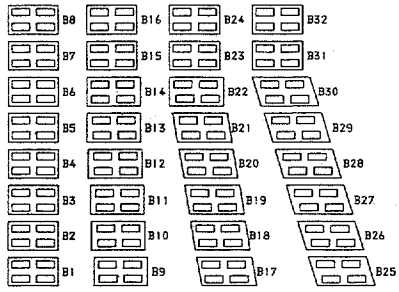
GRID ASSIGNMENT



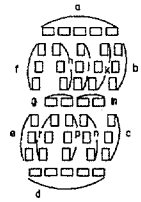
(5G)



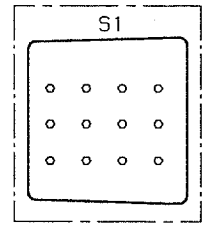
(9G)



(8G, 7G)



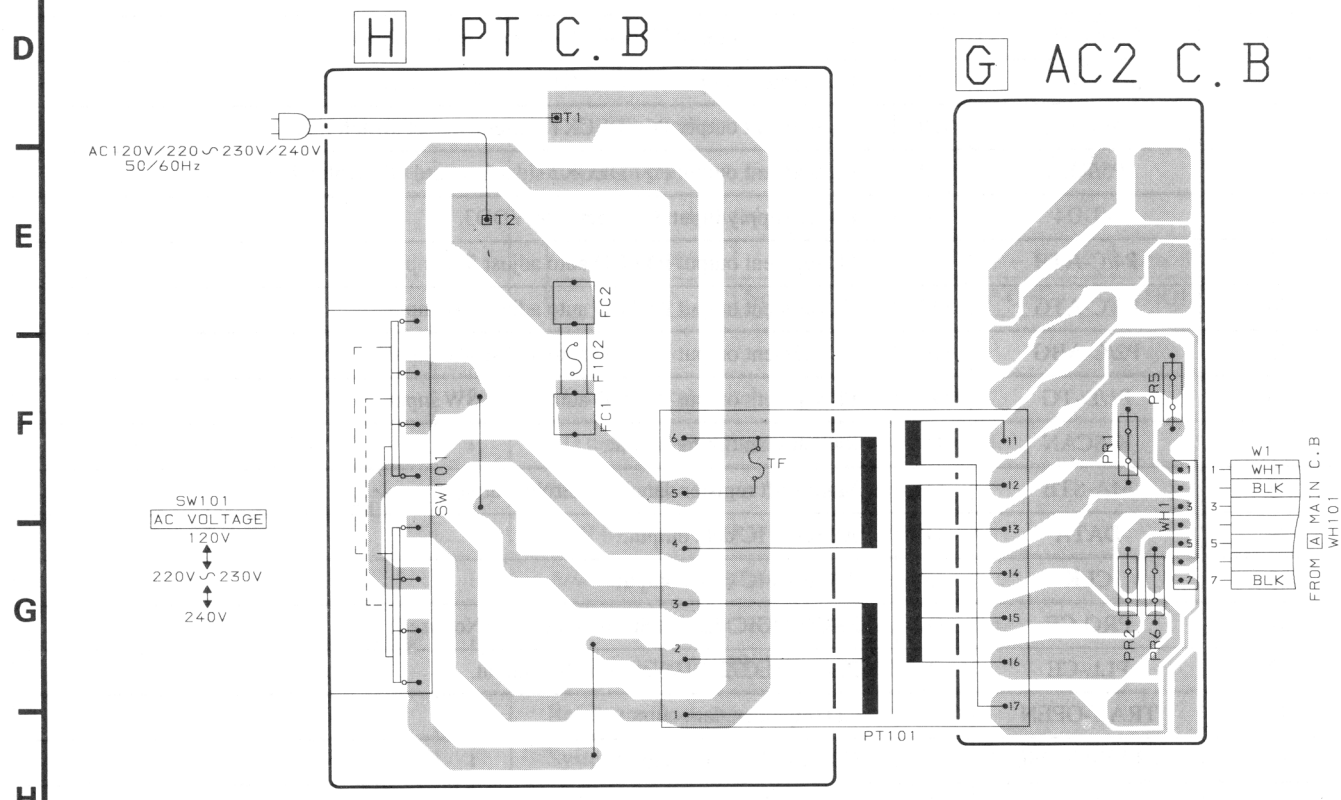
(6G ~ 2G)

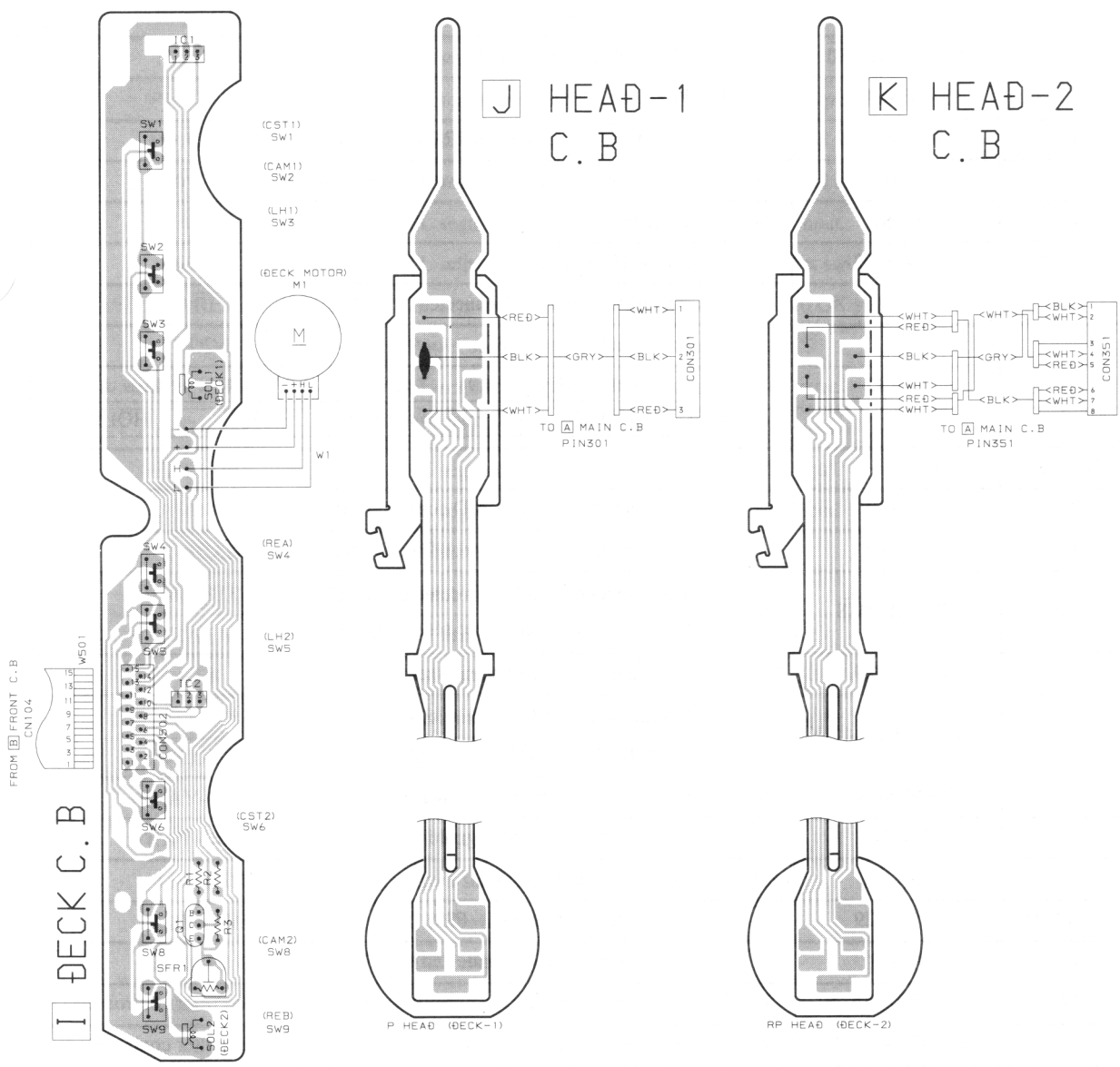


(1G)

ANODE CONNECTION

	9G	8G, 7G	6G	5G	4G	3G	2G	1G
P1	S4	B8	d	d	1d	1d	1d	RANDOM
P2	3e	B16	n	n	1n	1n	1n	PRGM
P3	3c	B24	p	p	1p	1p	1p	EDIT
P4	3g	B32	r	r	1r	1r	1r	S1
P5	3f	B7	e	e	1e	1e	1e	1
P6	3b	B15	c	c	1c	1c	1c	2
P7	3a, 3d	B23	g	g	1g	1g	1g	3
P8	S5	B31	m	m	1m	1m	1m	4
P9	4e	B6	f	f	1f	1f	1f	5
P10	4c	B14	b	b	1b	1b	1b	6
P11	4g	B22	k	k	1k	1k	1k	7
P12	4f	B30	j	j	1j	1j	1j	8
P13	4b	B5	h	h	1h	1h	1h	9
P14	4a, 4d	B13	a	a	1a	1a	1a	10
P15	S2	B21	DD NR	B35	-	Ðp	col (ÐOWN)	11
P16	1a, 1d	B29	▷	B34	-	-	col (UP)	12
P17	1b	B4	◁	B33	2d	2d	2d	13
P18	1f	B12	○	S7	2n	2n	2n	14
P19	1g	B20	REC	B38	2p	2p	2p	15
P20	1c	B28	B8	B37	2r	2r	2r	16
P21	1e	B3	B7	B36	2e	2e	2e	17
P22	S6	B11	B6	S8	2c	2c	2c	18
P23	5a, 5d	B19	B5	▷ (HALL)	2g	2g	2g	19
P24	5b	B27	B4	▷ (LIVE)	2m	2m	2m	20
P25	5f	B2	B3	▷ (ÐISCO)	2f	2f	2f	RDS
P26	5g	B10	B2	S9	2b	2b	2b	AG
P27	5c	B18	B1	S10	2k	2k	2k	EON
P28	5e	B26	(((○○)))	-	2j	2j	2j	RT
P29	S3	B1	MONO	-	2h	2h	2h	TRAF
P30	2a, 2d	B9	)	-	2a	2a	2a	REC
P31	2b	B17	(	-	-	-	-	◔
P32	2f	B25	MHz	-	-	-	-	VF
P33	2g	-	kHz	-	-	-	-	AUTO
P34	2c	-	⊂	-	-	-	-	( ) (♭)
P35	2e	-	SLEEP	-	-	-	-	( ) (#)
P36	-	-	-	-	-	-	-	♭ #
P37	-	-	≷	-	-	-	-	-


H PT C.B
G AC2 C.B
AC 120V/220~230V/240V
50/60Hz
T1
T2
FC2
F102
FC1
SW101
TF
PT101
SW101
AC VOLTAGE
120V
220V~230V
240V
PR1
PR5
PR2
PR6
W11
W1
WHT
BLK
BLK
FROM A MAIN C.B
WH101


I DECK C.B
J HEAD-1 C.B
K HEAD-2 C.B
P HEAD (DECK-1)
RP HEAD (DECK-2)
TO A MAIN C.B PIN301
TO A MAIN C.B PIN351
FROM B FRONT C.B CN104
CON301
CON351
(DECK MOTOR) M1
(CST1) SW1
(CAM1) SW2
(LH1) SW3
(REA) SW4
(LH2) SW5
(CST2) SW6
(CAM2) SW8
(REB) SW9
SFR1
W1
W501

IC DESCRIPTION

IC, LC866560W-5E53

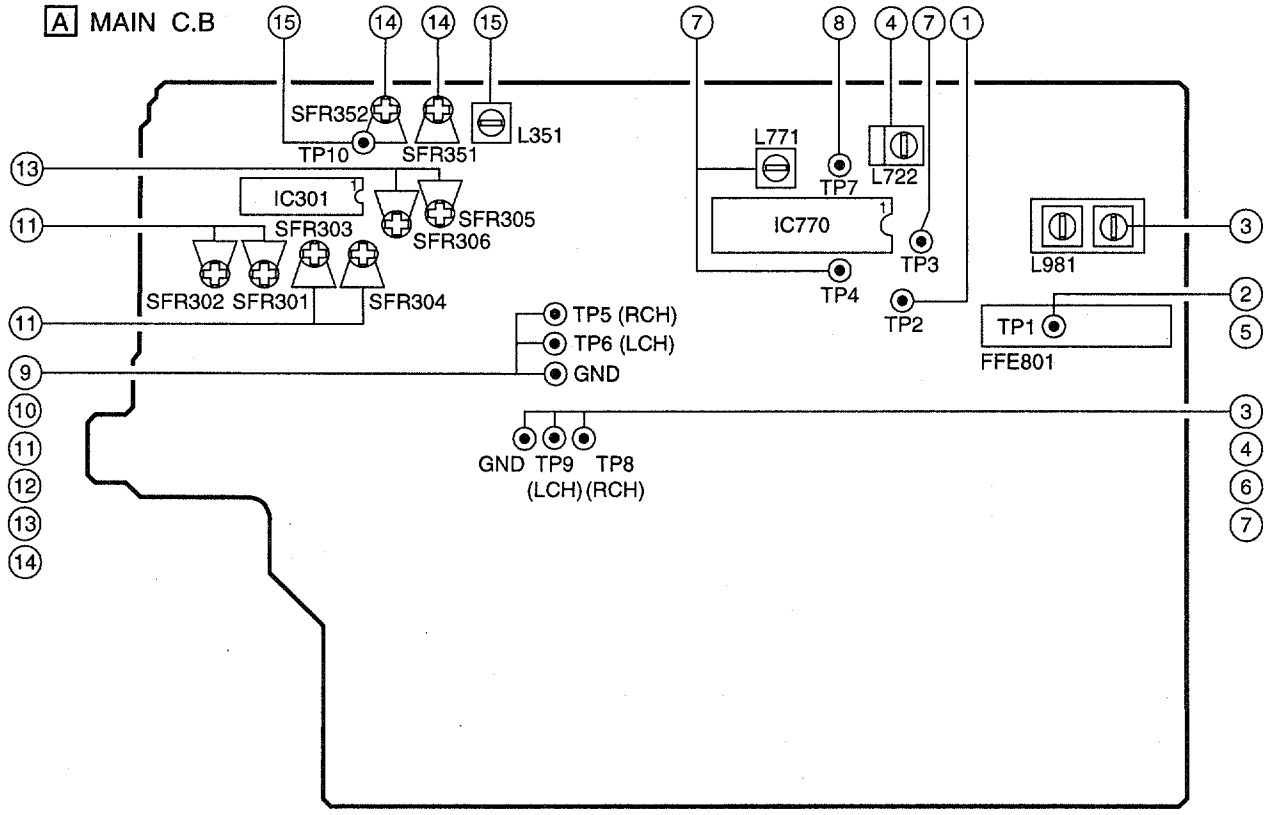
Pin No.	Pin Name	I/O	Description
1	RT-A	I	ROTARY ENCORDER Volume in.
2	RT-B	I	ROTARY ENCORDER Volume in.
3	RT-C	I	ROTARY ENCORDER Multi Jog in.
4	RT-D	I	ROTARY ENCORDER Multi Jog in.
5	LED-PHONO	O	Function LED PHONO control.
6	LED-TUNER	O	Function LED TUNER control.
7	LED-TAPE	O	Function LED TAPE control.
8	HSP	O	DECK high-speed dubbing control.
9	O-$\overline{\text{POWER}}$	O	System power supply $\overline{\text{ON}}$/OFF output.
10	O-MUTE	O	System mute output.
11	O-$\overline{\text{CLK-SHIFT}}$	O	Micon clock shift output.
12	RESET	I	Reset input.
13	I-$\overline{\text{HP-MUTE}}$	I	"L" input PROLOGIC, DSP OFF. (Not used)
14	I-$\overline{\text{MIC}}$	I	Microphone input for auto vocal fader ON/OFF .
15	VSS1	–	GND terminal.
16, 17	CF1, CF2	–	5.76 MHz oscillator circuit.
18	VDD1	–	Power supply input. Connected to VDD2.
19	HOLD	I	Power failure detected. More than 4.9V: P-OFF 4.9V ~ 3.49V: Normal condition 3.49V ~ 1.41V: P-OFF Less than 1.41V: HOLD mode
20 ~ 22	KEY1 ~ 3	I	Key input.
23	I-CDSW	I	CD mechanical switch A/D converter input.
24	I-DISH	I	CD turntable photo sensor A/D converter input.
25	I-TU-SIG/$\overline{\text{MS}}$	I	Tuner function: Tuner $\overline{\text{SD}}$ detected input. Tape function: Deck music sensor signal input.
26	I-SPEANA	I	A/D input for spectrum analyzer display.
27	I-SENS/I-RDS-CLK	I	CD function: CD IC control data bus data input. Tuner function: RDS clock input. (Not used)
28	I-TM BASE	I	Reference clock input for timer watch.
29	I-$\overline{\text{RMC}}$	I	System remote control signal input.
30 ~ 37, 44	G9 ~ G1	O	FL grid output G9 ~ G1.
38 ~ 43, 45	P35 ~ P29	O	FL segment output P35 ~ P29.
46	VDD3	–	Power supply input. Connected to VDD4.
47	P28/SPEANA-A	O	FL segment output P28 / spectrum analyzer band pass filter control A.
48	P27/SPEANA-B	O	FL segment output P27 / spectrum analyzer hand pass filter control B.
49	P26/SPEANA-C	O	FL segment output P26 / spectrum analyzer band pass filter control C.
50	P25/$\overline{\text{HSP}}$	O/I	FL segment output P25 / $\overline{\text{HSP}}$ diode detect.
51	–VFL	–	Power supply input for FL display.
52	P24/SEL3	O/I	FL segment output P24 / tuner band select 3.
53	P23/SEL2	O/I	FL segment output P23 / tuner band select 2.
54	P22/SEL1	O/I	FL segment output P22 / tuner band select 1.

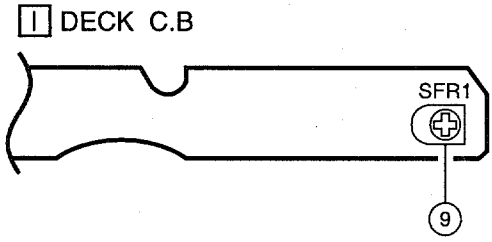
Pin No.	Pin Name	I/O	Description
55	P21/CDG	O/I	FL segment output P21 / CDG diode detect.
56	P20/MD	O/I	FL segment output P20 / MD diode detect.
57	P19/BBE	O/I	FL segment output P19 / BBE diode detect.
58	P18/$\overline{\text{DSP}}$	O/I	FL segment output P18 / $\overline{\text{DSP}}$ diode detect.
59	P17/D-SURR	O/I	FL segment output P17 / D-SURR diode detect. (Not used)
60	P16/K-CON	O/I	FL segment output P16 / K-CON diode detect.
61	P15/DOLBY	O/I	FL segment output P15 / $\overline{\text{DOLBY-NR}}$ diode detect.
62	P14/1WAY+$\overline{\text{MS}}$	O/I	FL segment output P14 / 1WAY+$\overline{\text{MS}}$ diode detect.
63	P13/E-GEQ	O/I	FL segment output P13 / E-GEQ diode detect.
64	P12/$\overline{\text{CST2}}$	O/I	FL segment output P12 / DECK2 cassette detect switch input.
65	P11/$\overline{\text{REB}}$	O/I	FL segment output P11 / DECK2 side-B record OK switch input.
66	P10/$\overline{\text{CAM2}}$	O/I	FL segment output P10 / DECK2 cam switch input.
67	P9/$\overline{\text{AUTO1}}$	O/I	FL segment output P9 / DECK1 auto stop signal input.
68	P8/$\overline{\text{AUTO2}}$	O/I	FL segment output P8 / DECK2 auto stop signal input.
69	P7/$\overline{\text{CAM1}}$	O/I	FL segment output P7 / DECK1 cam switch input.
70	P6/$\overline{\text{CST1}}$	O/I	FL segment output P6 / DECK1 cassette detect switch input.
71	P5/$\overline{\text{REA}}$	O/I	FL segment output P5 / DECK2 side-A record OK switch input.
72	VDD4	–	Power supply input. Connected to VDD3.
73	P4/C-ATB	O/I	FL segment output P4 / CD auto adjust SW input.
74	P3/C-ATG	O/I	FL segment output P3 / CD auto adjust SW input.
75	P2/C-ABG	O/I	FL segment output P2 / CD auto adjust SW input.
76	P1/D-TG	O/I	FL segment output P1 / CD auto adjust SW input.
77	K-SCAN	O	Switch scan timing output.
78	MA-STB	O	Main shift register data latch strobe output.
79	DATA	O	All serial IC data output.
80	CLK	O	All serial IC clock output.
81	PRO-CE	O	PRO-LOGIC data latch strobe output. (Not used)
82	PLL-CE	O	PLL IC (LC72131D) chip enable output.
83	TRAY-OPEN	O	CD tray open data output.
84	TRAY-CLOSE	O	CD tray close data output.
85	LED-STB	O	Front shift register data latch strobe output.
86	DISH-RVS	O	CD turntable reverse rotation output.
87	DISH-FWD	O	CD turntable forward rotation output.
88	GE-CE	O	E-GEQ IC (M62431FP) chip enable.
89	VSS2	–	GND terminal.
90	VDD2	–	Power supply input. Connected to VDD1.
91	LED-CD	O	Function LED CD control.
92	LED-VIDEO	O	Function LED video control.
93	SOL1	O	DECK1 solenoid output.
94	SOL2	O	DECK2 solenoid output.
95	O-MOTOR	O	DECK motor output.

Pin No.	Pin Name	I/O	Description
96	I-IFC/I-SUBQ	I	Tuner function: IF count serial data input. CD function: CD IC data input.
97	I-STEREO/O-SQ CLK	I O	Tuner function: Tuner stereo detect input. CD function: CD IC control data bus clock output.
98	I-RDS-DATA/O-DATA	I O	Tuner function: RDS data input. (Not used) CD function: CD IC control data bus data output.
99	O-CD/XTL	O	CD IC control latch strobe output.
100	O-CDCLK	O	CD IC control clock output.

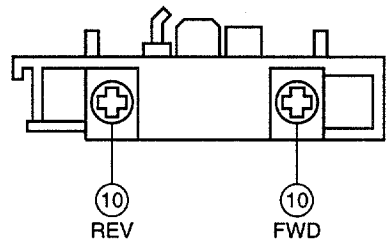
IC, LC72131D

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 (LC866560W-5E82) when relevant key is operated. Active "H".
5	CL	I	To clock in the data DI.
6	DO	O	Digital data output to CPU (LC866560W-5E82).
7	T-BASE	O	Outputs a reference clock signal (8Hz) for the clock.
8	$\overline{\text{MONO}}$ / BEAT	O	Outputs "H" when MONO / BEAT is switched.
9	$\overline{\text{FM}}$ / $\overline{\text{SW}}$	O	Output "L" or "H" as follows: 2 BAND: AM = H, FM = L 3 BAND: LW = H, MW = H, FM = L 3 BAND: MW = H, SW = L, FM = L
10	$\overline{\text{MW}}$ / SW	O	Outputs "L" or "H" as follows: 2 BAND: AM = L, FM = L 3 BAND: LW = H, MW = L, FM = L 3 BAND: MW = L, SW = H, FM = 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.





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



< TUNER SECTION >

1. Clock Frequency Check
   Settings : • Test point : TP2 (CLK)
   Method : Set to AM 1710kHz<LH>, 1602kHz<HE> and check that the test point is 2160kHz ± 45Hz<LH>, 2052kHz ± 45Hz<HE>.

2. AM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to AM 1710kHz<LH>, 1602kHz<HE> and check that the test point is less than 7.0V<LH>, less than 6.8V<HE>. Then set to AM 530kHz<LH>, 531kHz<HE> and check that the test point is more than 0.6V.

3. AM Tracking Adjustment
   Settings : • Test point : TP9 (Lch), TP8 (Rch)
   • Adjustment location : L981
   Method : Set to AM 1000kHz and adjust L981 so that the test point becomes maximum.

4. AM IF Adjustment
   Settings : • Test point : TP9 (Lch), TP8 (Rch)
   • Adjustment location :
   L772 ..... 450kHz

5. FM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to FM 87.5MHz (108.0MHz) and check that the test point is more than 1.0V (less than 8.0V).

6. FM Tracking Check
   Settings : • Test point : TP9 (Lch), TP8 (Rch)
   Method : Set to FM 98.0MHz and check that the test point is 0dB ± 6dB<LH>, 3dB ± 6dB<HE> at distortion less than 3%.

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3,TP4 (DC balance)
   TP8,TP9 (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 ± 0.04V.
   Next, check that the distortion is less than 1.3%.

8. Auto Stop Level Check
   AM
   Settings : • Test point : TP7 (STOP)
   • Input level : Variable
   Method : Check the auto stop at AM 1000kHz and the input level is 50dB ± 10dB.

   FM
   Settings : • Test point : TP7 (STOP)
   • Input level : Variable
   Method : Check the auto stop at FM 98.0MHz and the input level is 13dB ~ 28dB.

< DECK SECTION >

9. Tape Speed Adjustment (DECK2)
   Settings : • Test tape : TTA-100
   • Test point : TP6 (Lch), TP5 (Rch)
   • Adjustment location : SFR1
   Method : Play back the test tape and adjust SFR1 so that the test point becomes 3000Hz ± 5Hz(FWD) and FWD PLAY speed ± 45Hz(REV).

10. Head Azimuth Adjustment (DECK1, DECK2)
    Settings : • Test tape : TTA-300
    • Test point : TP6 (Lch), TP5 (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.

11. PB Sensitivity Adjustment (DECK1, DECK2)
    Settings : • Test tape : TTA-200
    • Test point : TP6 (Lch), TP5 (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.

12. PB Frequency Response Check (DECK1, DECK2)
    Settings : • Test tape : TTA-300
    • Test point : TP6 (Lch), TP5 (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 0dB ± 3dB.
    Next, check that the Lch and Rch difference level of 10kHz signal is less than 2dB.

13. REC/PB Sensitivity Adjustment (DECK2)
    Settings : • Test tape : TTA-602
    • Test point : TP6 (Lch), TP5 (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 TP5, TP6 becomes 12mV.
    Record and play back the 1kHz signals and adjust SFRs so that the output is 0dB ± 0.5dB.

14. REC/PB Frequency Response Adjustment (DECK2)
    Settings : • Test tape : TTA-602
    • Test point : TP6 (Lch), TP5 (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 TP5, TP6 becomes 12mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output level of the 10kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

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

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

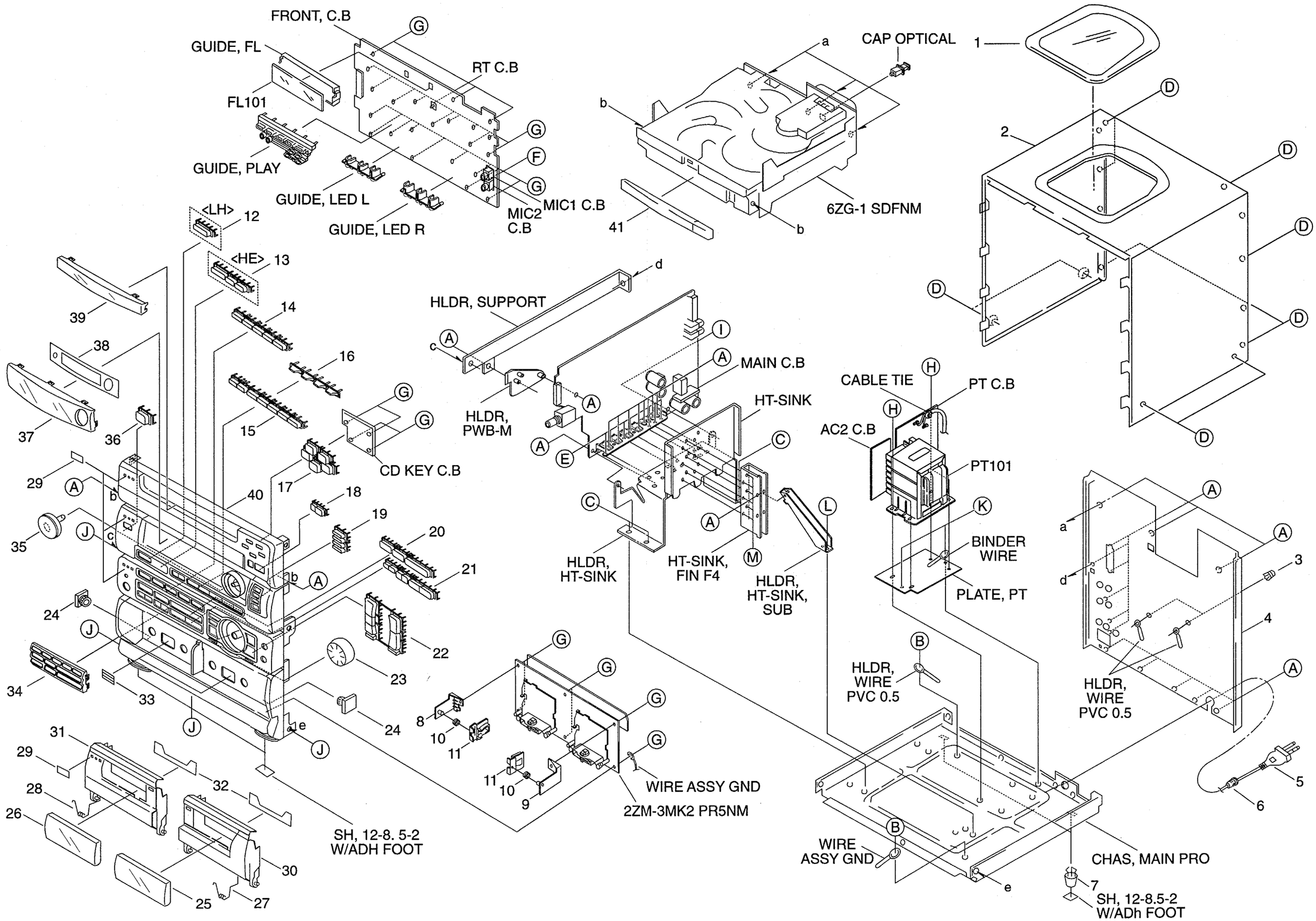
IHF Sensitivity :	Less than 10dB
(THD 3%)	[at 87.5MHz]
	Less than 9dB
	[at 98.0 / 108.0MHz]
S/N 50dB Quieting sensitivity :	
	Less than 36dB
	[at 87.5 / 98.0 / 108.0MHz]
Signal to noise ratio :	(MONO) More than 72dB
	(STEREO) More than 66dB
	[at 98.0MHz]
Distortion :	Less than 1.2%
	[at 98.0MHz]
Auto stop level :	25dB ± 10dB
	[at 98.0MHz]
Stereo separation :	More than 25dB
	[at 98.0MHz]
Intermediate frequency :	10.7MHz

<AM SECTION>

Sensitivity :	Less than 60dB
(S/N 20 dB)	[at 600kHz (LH)]
	[at 603kHz (HE)]
	Less than 58dB
	[at 1000 / 1400kHz (LH)]
	[at 999 / 1404kHz (HE)]
Signal to noise ratio :	More than 36dB
	[at 1000kHz (LH)]
	[at 999kHz (HE)]
Distortion :	Less than 1.5%
	[at 1000kHz (LH)]
	[at 999kHz (HE)]
Auto stop level :	Less than 60dB
	[at 1000kHz (LH)]
	[at 999kHz (HE)]
Intermediate frequency :	450kHz

<DECK SECTION>

Tape speed :	3000Hz ± 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 :	2.8V ± 2dB (SP OUT 2V)
REC/PB Output level :	2.0V ± 2dB (SP OUT 2V)
Distortion (REC/PB) :	Less than 2.0% (NORMAL, CrO2)
Noise level (PB) :	Less than 18mV
	(NORMAL, SP OUT 2V)
	Less than 15mV
	(CrO2, SP OUT 2V)
Noise level (REC/PB) :	Less than 20mV
	(DOLBY OFF, NORMAL)
	Less than 18mV
	(DOLBY OFF, CrO2)
Crosstalk :	More than 50dB (1kHz, NORMAL)
Channel separation :	More than 35dB (1kHz, NORMAL)
Erasing ratio :	More than 60dB (at 125Hz, 10VU, CrO2)
REC bias frequency :	85kHz
Test tape :	NORMAL : TTA-602
	CrO2 : TTA-615


FRONT, C.B
GUIDE, FL
RT C.B
FL101
GUIDE, PLAY
GUIDE, LED L
GUIDE, LED R
MIC2 C.B
MIC1 C.B
CAP OPTICAL
6ZG-1 SDFNM
41
<LH>
12
<HE>
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CD KEY C.B
HLDR, SUPPORT
HLDR, PWB-M
MAIN C.B
HT-SINK
HLDR, HT-SINK
HT-SINK, FIN F4
HLDR, HT-SINK, SUB
CABLE TIE
PT C.B
AC2 C.B
PT101
BINDER WIRE
PLATE, PT
HLDR, WIRE PVC 0.5
WIRE ASSY GND
2ZM-3MK2 PR5NM
CHAS, MAIN PRO
SH, 12-8.5-2 W/ADh FOOT
SH, 12-8. 5-2 W/ADH FOOT
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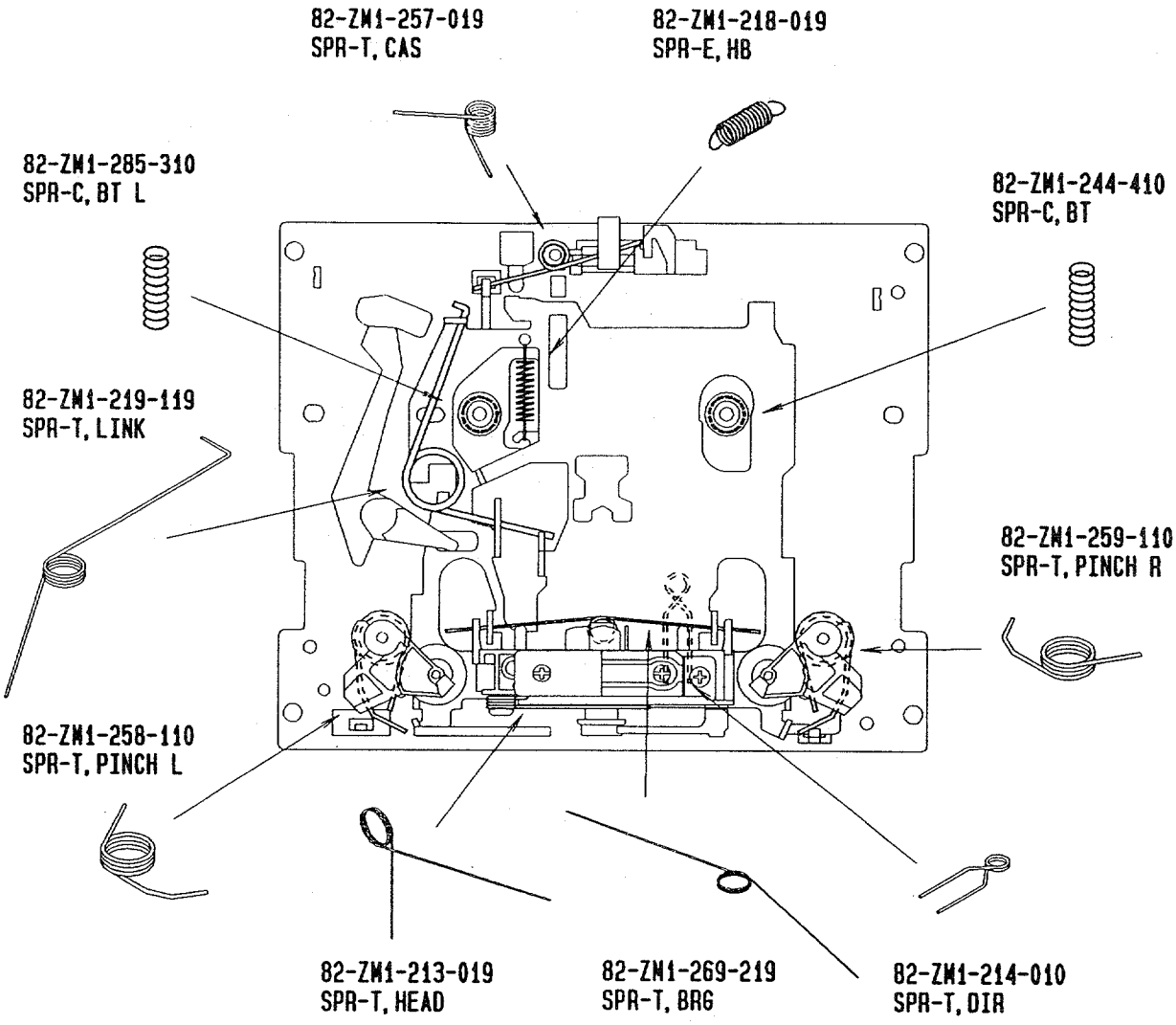
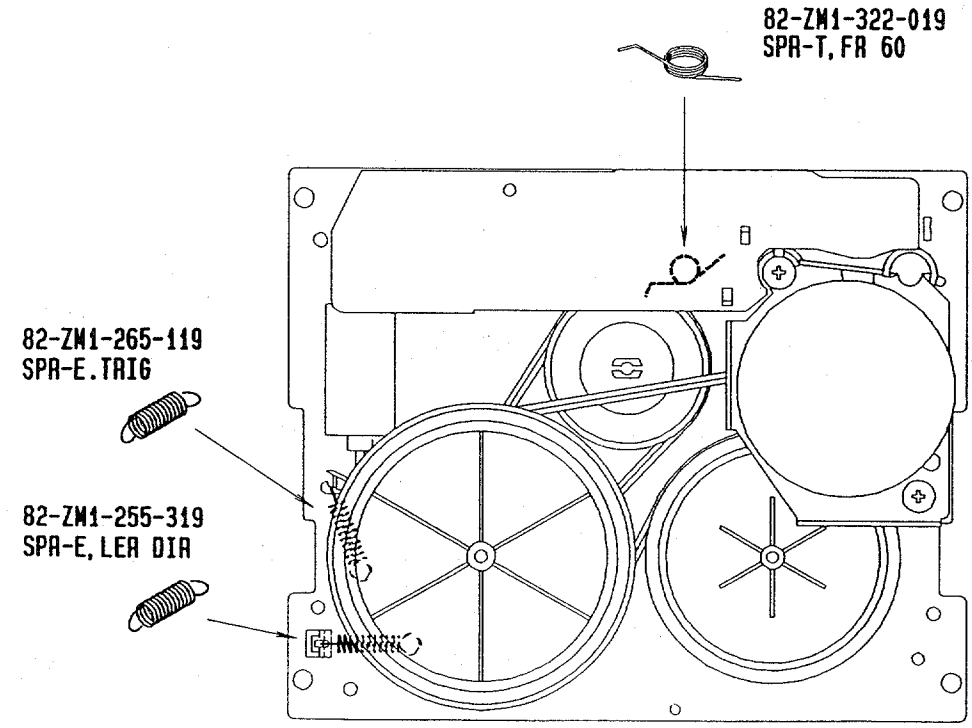
MECHANICAL PARTS LIST 1 / 1

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

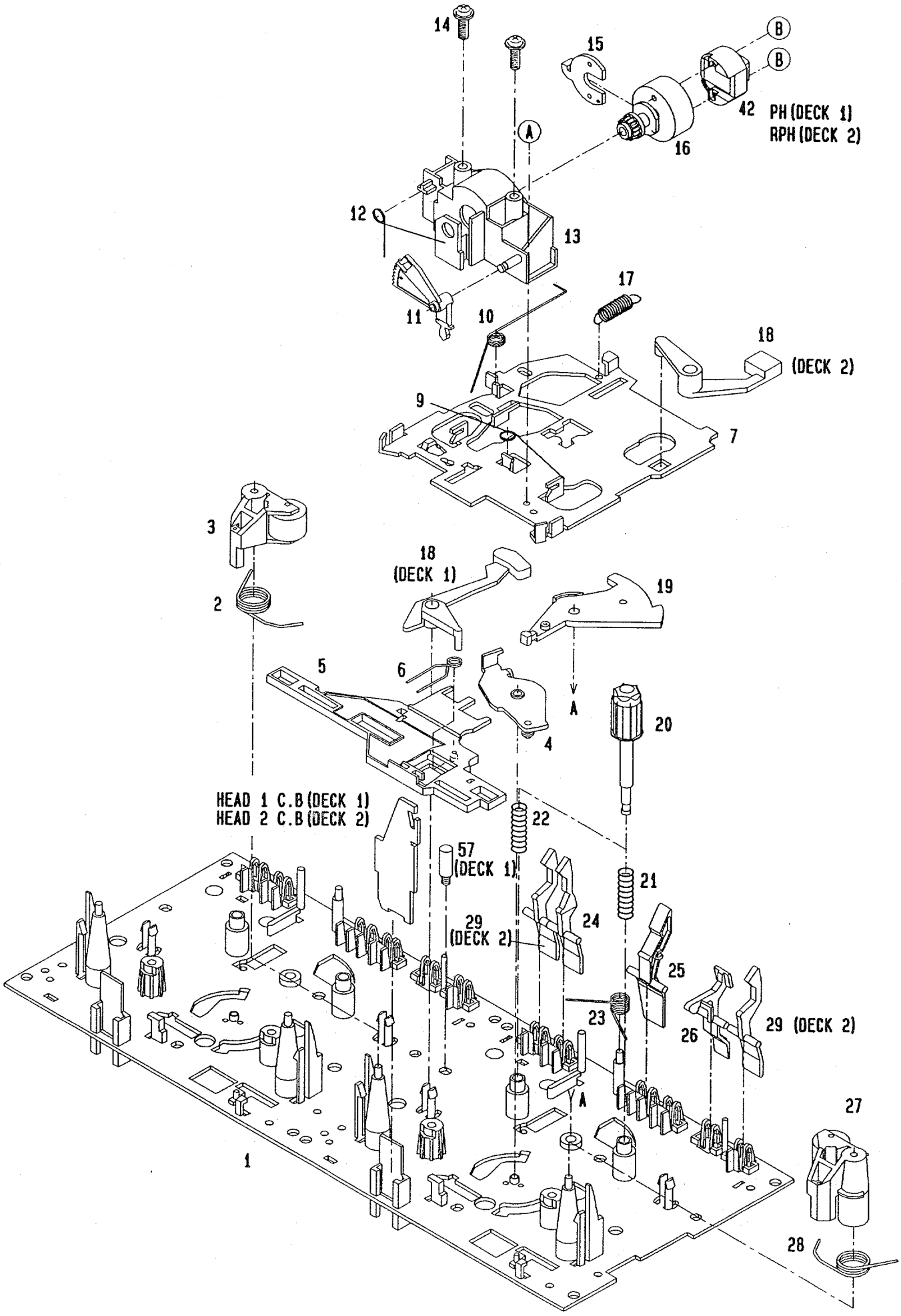
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MA3-042-010		WINDOW,TOP
2	87-MA3-011-010		CABI,STEEL
3	87-084-077-010		RIVET,NYL3.5-4.5
4	87-MA4-011-010		PANEL,REAR HEJSTNM<HE>
4	87-MA4-017-010		PANEL,REAR LHSTN<LH>
⚠ 5	87-050-079-010		AC CORD ASSY,E BLK
6	87-085-185-010		BUSHING,AC CORD(E) CM-22B
7	87-MA3-062-010		FOOT,H17
8	87-NF4-216-010		HLDR,LOCK 1
9	87-NF4-217-010		HLDR,LOCK 2
10	82-NF5-228-010		SPR-C,LOCK
11	82-NF5-229-010		PLATE,LOCK(*)
12	87-MA3-017-010		KEY,VF<LH>
13	87-MA3-016-010		KEY,VF KEYCON<HE>
14	87-MA3-019-010		KEY,FUN
15	87-MA3-018-010		KEY,GEQ
16	87-MA3-020-010		REFLECTOR,GEQ
17	87-MA3-012-010		KEY,DIRECT
18	87-MA3-013-010		KEY,OPEN
19	87-MA3-025-010		KEY,MODE
20	87-MA3-039-010		KEY,ASSY PLAY
21	87-MA3-040-010		KEY,ASSY FF
22	87-MA3-024-010		KEY,DSP
23	87-MA3-027-010		KNOB,RTRY MAIN
24	87-063-165-010		OIL-DMPR,150
25	87-MA3-031-010		WINDOW,CASS R
26	87-MA3-030-010		WINDOW,CASS L
27	82-NF5-219-010		SPR-T,EJECT 2(SIN)
28	82-NF5-218-010		SPR-T,EJECT 1(SIN)
29	82-NE8-032-010		BADGE,AIWA 27.5 ABS GLD
30	87-MA3-006-010		BOX,CASS R H
31	87-MA3-005-010		BOX,CASS L H
32	86-NF6-061-010		REFLECTOR,CASS
33	81-532-080-010		LBL,CASS-COMPT
34	87-MA3-032-010		PANEL,FUN
35	87-MA3-026-010		KNOB,RTRY GEQ
36	87-MA3-014-010		KEY,POWER
37	87-MA3-029-010		WINDOW,DISPLAY
38	87-MA4-005-010		PLATE,DISPLAY(4)
39	87-MA3-028-010		WINDOW,CD
40	87-MA4-001-010		CABI,FR HE<HE>
40	87-MA4-002-010		CABI,FR LH<LH>
41	87-MA3-009-010		PANEL,TRAY H
A	87-067-703-010		BVT2+3-10 W/O SLOT
B	87-067-688-010		BVTT+3-6
C	87-067-579-010		BVT2+3-8 W/O SLOT
D	87-067-641-010		UTT2+3-8 W/O SLOT BLK
E	87-067-581-010		BVT2+3-15 W/O SLOT
F	81-MK1-210-010		S-SCREW,BFT2+3-16
G	87-078-060-010		BVIT3B+3-10
H	87-067-975-010		S-SCREW,IT+4-8 SWCH12A
I	87-NF4-224-010		S-SCREW,IT3B+3-8CU
J	87-591-095-410		QIT+3-8
K	87-067-585-010		BVTT+4-6
L	87-067-584-010		BVT2+3-6 W/O SLOT
M	87-067-690-010		BVIT3B+3-12 BLK

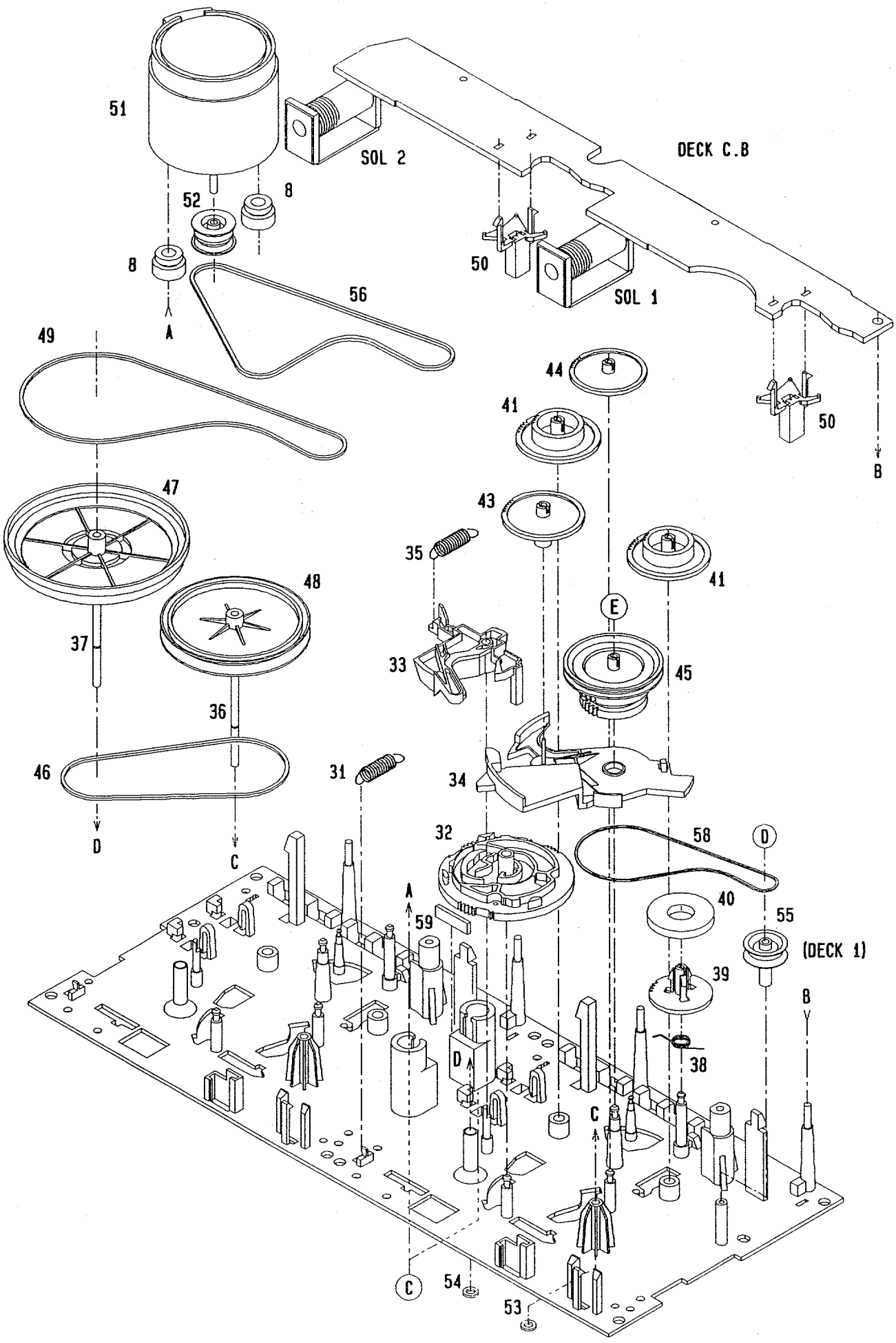
SPRING APPLICATION POSITION





TAPE MECHANISM EXPLODED VIEW 1 / 1




51
SOL 2
DECK C.B
52
8
8
50
SOL 1
56
49
44
41
50
B
47
43
35
41
48
E
37
33
45
36
46
31
34
32
58
D
A
40
55
(DECK 1)
59
39
B
38
D
C
C
54
53

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
1	82-ZM3-301-519		CHAS ASSY,M2
2	82-ZM1-258-110		SPR-T,PINCH L
3	82-ZM1-341-110		LVR ASSY,PINCH L2
4	82-ZM1-333-010		PLATE,LINK 2
5	82-ZM1-266-11K		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-81K		CHAS,HEAD
8	82-ZM3-307-019		CUSH-G,DIA3.7-8-3.2
9	82-ZM1-269-219		SPR-T,BRG
10	82-ZM1-219-119		SPR-T,LINK
11	82-ZM1-210-119		GEAR,H T
12	82-ZM1-213-019		SPR-T,HEAD
13	82-ZM1-207-619		GUIDE,TAPE
14	86-ZM4-206-010		S-SCREW,AZIMUTH
15	82-ZM1-314-119		PLATE,HEAD
16	82-ZM1-208-119		HLDR,HEAD
17	82-ZM1-218-019		SPR-E,HB
18	82-ZM1-263-110		LVR,EJECT L (DECK 1)
18	82-ZM1-264-010		LVR,EJECT R (DECK 2)
19	82-ZM1-222-21K		LVR,PLAY
20	82-ZM1-217-319		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-310		SPR-C,BT L
23	82-ZM1-257-019		SPR-T,CAS
24	82-ZM1-241-319		LVR,MC
25	82-ZM1-242-019		LVR,CAS
26	82-ZM1-243-019		LVR,STOP
27	82-ZM1-344-110		LVR ASSY,PINCH R2
28	82-ZM1-259-110		SPR-T,PINCH R
29	82-ZM1-240-11K		LVR,REC (DECK 2)
31	82-ZM1-255-319		SPR-E,LVR DIR
32	82-ZM3-305-01K		GEAR,CAM M2
33	82-ZM1-227-21K		LVR,TRIG
34	82-ZM3-306-11K		LVR,FR M2
35	82-ZM1-265-119		SPR-E,TRIG
36	82-ZM1-236-019		CAPSTAN N 2-41.5
37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
38	82-ZM1-322-019		SPR-T,FR60
39	82-ZM1-220-219		GEAR,IDLER
40	82-ZM3-616-019		RING MAGNET 4
41	82-ZM1-216-31K		GEAR,REEL
42	87-A90-366-010		HEAD,PH YK50P-BF414 FPC
42	87-A90-367-010		HEAD,RPH YK56R-BF414 FPC
43	82-ZM1-225-21K		GEAR,FR
44	82-ZM1-226-019		GEAR,REW
45	82-ZM3-333-310		SLIP DISK ASSY 2
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-349-110		FLY-WHL,R W(DECK 2)
47	82-ZM3-338-110		FLY-WHL,R3 W(DECK 1)
48	82-ZM1-348-010		FLY-WHL,L W(DECK 2)
48	82-ZM1-348-010		FLY-WHL,L W(DECK 1)
49	82-ZM3-329-210		BELT,SBU R2
50	82-ZM1-245-210		HLDR,IC
51	87-045-347-019		MOT,SHU2L 70(M1)
52	82-ZM3-221-010		PULLEY,MOT 2M
53	82-ZM1-288-019		SH,1.63-3.2-0.5 SLT
54	80-ZM6-243-019		SH,1.75-3.6-0.5 SLT
55	82-ZM3-335-210		PULLEY,COUPLER M3(DECK 1)
56	82-ZM3-337-010		BELT,SBU MOT 2
57	82-ZM3-339-010		SHAFT,COUPLER N3(DECK 1)
58	86-ZM1-206-010		BELT,MAIN L
59	82-ZM3-340-010		SH,BELT D2
A	85-ZM3-202-010		S-SCREW,TG
B	80-ZM6-207-019		V+1.6-7
C	82-ZM3-318-019		S-SCRW MOTOR M2
D	87-B10-043-010		W-P,0.99-4-0.25 SLT
E	82-ZM3-334-010		PW,2.16-6-0.4

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— —	
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アイワ株式会社
AIWA CO.,LTD.

〒110 東京都台東区池之端1—2—11 ☎03（3827）3111 （代表）

9420025, 750038

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