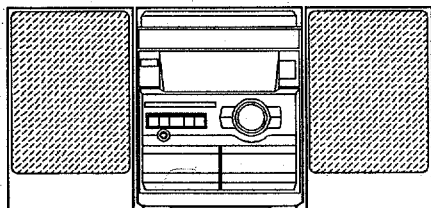


aiwa



NSX-A92 NSX-A94 NSX-S90 NSX-S94



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2 PR4NM
- BASIC CD MECHANISM: 4ZG-1 Z1DNM

- TYPE: U, LH, HR

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-A92	CX-NA92 (TYPE : U)	SX-ANA92	RC-7AS08
NSX-A94		SX-NA94 SX-R240	
NSX-S90	CX-NS90 (TYPE : LH)	SX-ANS90	
NSX-S94	CX-NS94 (TYPE : LH)	SX-NS94 SX-R240	
NSX-S94	CX-NS94 (TYPE : HR)	SX-NS94 SX-R280	

- If requiring information about the CD mechanism, see Service Manual of 4ZG-1.
(S/M Code No.09-974-187-50T)
- If requiring information about the Speaker, see Service Manual of SX-ANA92/
SX-ANS90/SX-NA94/SX-NS94.
(S/M Code No.09-974-199-4FP)

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SPECIFICATIONS

<FM Tuner section>

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

<AM/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>(HR only)

Tuning range	5.900 MHz to 17.900 MHz
Antenna	Wire antenna

<Amplifier section>

Power output	U: 145 W + 145 W (50 Hz - 20 kHz, T.H.D. less than 1 %, 6 ohms) LH: 180 W + 180 W (6 ohms, T.H.D. 10 %, 1 kHz) HR: 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) * without connecting to the SURROUND SPEAKERS
Total harmonic distortion	0.05 % (120 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	U: VIDEO/AUX: 400 mV (adjustable) MD: 400 mV (adjustable) MIC 1, MIC 2: 1 mV (10 kohms) LH,HR: VIDEO/AUX: 210 mV (adjustable) MD: 210 mV (adjustable) MIC 1, MIC 2: 1.4 mV (10 kohms)
Outputs	LINE OUT: 200 mV 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

<General>

Power requirements	U: 120 V AC, 60Hz LH,HR: 120 V/220 - 230 V/240 V AC, switchable, 50/60 Hz
Power consumption	U: 125 W LH,HR: 185 W
Dimensions of main unit (W x H x D)	U: 260 x 308 x 370 mm (10 $\frac{1}{4}$ x 12 $\frac{1}{4}$ x 14 $\frac{5}{8}$ in.) LH,HR: 260 x 309 x 370 mm
Weight of main unit	9 kg (19 lbs 13 oz.)

<Speaker system SX-ANA92 / SX-ANS90>

Cabinet type	4 way, bass reflex with surround speaker (magnetic shielded type)
Speakers	Woofer: 160 mm (6 $\frac{3}{8}$ in.) cone type Tweeter: 50 mm (2 in.) cone type Super tweeter: 20 mm (1 $\frac{3}{16}$ in.) ceramic type Cardioid speaker: 80 mm (3 $\frac{1}{4}$ in.) cone type Surround speaker: 80 mm (3 $\frac{1}{4}$ in.)
Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	250 x 390 x 302 mm (9 $\frac{7}{8}$ x 15 $\frac{3}{8}$ x 12 in.)
Weight	5.0 kg (11 lbs.)

<Speaker system SX-NA94 / SX-NS94>

Cabinet type	3 way, bass reflex (magnetic shielded type)
Speakers	Woofer: 160 mm (6 $\frac{3}{8}$ in.) cone type Tweeter: 80 mm (3 $\frac{1}{4}$ in.) cone type Super tweeter: 20 mm (1 $\frac{3}{16}$ in.) ceramic type
Impedance	6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	243 x 304 x 245 mm (9 $\frac{5}{8}$ x 12 x 9 $\frac{3}{4}$ in.)
Weight	3.8 kg (8 lbs. 6 oz.)

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

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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

WARNING!!

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



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

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa 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

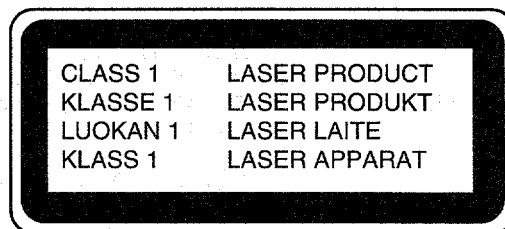
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

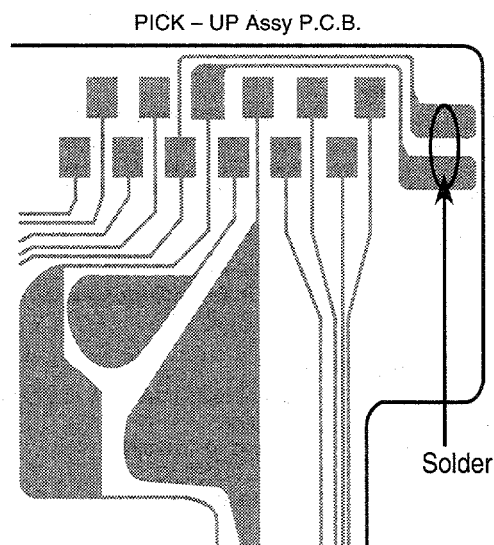


Precaution to replace Optical block

(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				C101	87-A10-231-090		CAP, E 3300-80
	87-020-454-010	IC, DN6851		C102	87-A10-231-090		CAP, E 3300-80
	87-NF4-641-010	IC, LC866548V-5E15<EXCEPT HR>		C103	87-016-658-090		CAP, E 4700-35 M SMG
	87-NF4-642-010	IC, LC866548V-5E54<HR>		C104	87-016-658-090		CAP, E 4700-35 M SMG
	87-070-083-010	IC, GPIU281X<HR>		C105	87-012-368-080		C-CAP, S 0.1-50 ZF
	87-A20-448-010	IC, PIC-21043TE3<EXCEPT HR>		C106	87-012-368-080		C-CAP, S 0.1-50 ZF
	87-070-289-040	C-IC, BU2092F		C107	87-012-368-080		C-CAP, S 0.1-50 ZF
	87-A20-455-010	IC, HA12211		C108	87-012-368-080		C-CAP, S 0.1-50 ZF
	87-A20-355-010	IC, CXA1553P		C109	87-010-196-080		C-CAP, S 0.1-25 ZF C2012
	87-A20-083-010	IC, BA3835S		C110	87-010-196-080		C-CAP, S 0.1-25 ZF C2012
	87-A20-450-040	C-IC, BH3864F		C111	87-010-196-080		C-CAP, S 0.1-25 ZF C2012
	87-A20-056-010	IC, BA3880S		C112	87-010-196-080		C-CAP, S 0.1-25 ZF C2012
	87-A20-613-040	C-IC, BU9262AFS		C113	87-010-247-080		CAP, E 100-50 M SME
	87-A20-561-040	C-IC, M65847AFP<HR>		C114	87-010-385-080		CAP, E 220-25 M SME<HR>
	87-A20-456-040	C-IC, BH3810FS		C115	87-010-385-080		CAP, E 220-25 M SME<HR>
	87-017-888-080	C-IC, NJM4558MD		C116	87-010-247-080		CAP, E 100-50 M SME
	86-NFZ-655-010	IC, LC72131D(Z)		C117	87-010-430-080		CAP, E 100-63
	87-A20-438-010	IC, LA1837		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
TRANSISTOR				C121	87-012-140-080		C-CAP, S 470P-50 J CH
	87-026-463-080	TR, 2A933S		C122	87-010-263-080		CAP, E 100-10 SME<U>
	87-026-263-080	C-TR, RN1410		C123	87-010-247-080		CAP, E 100-50 M SME<LH, HR>
	89-213-702-010	TR, 2SB1370E		C123	87-010-382-080		CAP, E 22-25 M SME<U>
	87-A30-076-080	C-TR, 2SC3052F		C124	87-010-112-080		CAP, E 100-16 M SME
	87-A30-075-080	C-TR, 2SA1235F		C125	87-010-235-080		CAP, E 470-16 SME
	87-026-610-080	TR, KTC3198GR		C129	87-010-393-080		CAP, E 100-35 M SME
	87-A30-073-080	C-TR, RT1N 141C		C201	87-010-400-080		CAP, E 0.47-50 M SME
	87-A30-085-070	C-TR, CSA1362GR		C202	87-010-400-080		CAP, E 0.47-50 M SME
	87-A30-083-080	TR, CSD1489B		C205	87-010-184-080		C-CAP, S 3300P-50 KB
	87-A30-084-080	TR, CSB1058B		C206	87-010-184-080		C-CAP, S 3300P-50 KB
	87-A30-071-080	C-TR, RT1N 144C		C207	87-010-404-080		CAP, E 4.7-50 M SME
	87-026-211-080	C-TR, DTA144EK<HR>		C208	87-010-404-080		CAP, E 4.7-50 M SME
	87-026-609-080	TR, KTA1266GR		C209	87-010-404-080		CAP, E 4.7-50 M SME
	87-A30-086-070	C-TR, CSD1306E		C210	87-010-404-080		CAP, E 4.7-50 M SME
	87-A30-106-070	C-TR, CMBT5551		C211	87-010-186-080		C-CAP, S 4700P-50 KB
	87-A30-111-080	TR, C2N5401		C212	87-010-186-080		C-CAP, S 4700P-50 KB
	87-A30-097-010	TR, FN1016		C213	87-010-260-080		CAP, E 47-25 SME
	87-A30-098-010	TR, FP1016		C214	87-010-260-080		CAP, E 47-25 SME
	87-A30-089-010	FET, 2SK2723		C215	87-010-196-080		C-CAP, S 0.1-25 ZF C2012
	87-A30-072-080	C-TR, RT1P 144C		C219	87-010-196-080		C-CAP, S 0.1-25 ZF C2012<U>
	87-A30-087-080	C-FET, 2SK2158		C219	87-012-368-080		C-CAP, S 0.1-50 ZF<LH, HR>
	87-A30-074-080	C-TR, RT1P 141C		C220	87-010-196-080		C-CAP, S 0.1-25 ZF C2012<U>
	89-327-143-080	C-TR, 2SC2714(O)		C220	87-012-368-080		C-CAP, S 0.1-50 ZF<LH, HR>
	89-505-434-540	C-FET, 2SK543-TB(4/5)<HR>		C221	87-010-196-080		C-CAP, S 0.1-25 ZF C2012<U>
DIODE				C221	87-012-368-080		C-CAP, S 0.1-50 ZF<LH, HR>
	87-A40-246-080	DIODE, 1N4148T-72		C222	87-010-196-080		C-CAP, S 0.1-25 ZF C2012<U>
	87-017-654-010	DIODE, GBU6JL6131<HR>		C222	87-012-368-080		C-CAP, S 0.1-50 ZF<LH, HR>
	87-A40-115-060	DIODE, RS603M<EXCEPT HR>		C223	87-010-194-080		C-CAP, S 0.047-25 ZF
	87-017-654-060	DIODE, GBU6JL6131<LH, HR>		C225	87-A10-516-080		C-CAP, S 100P-200 JC<HR>
	87-017-437-080	DIODE, 1N4148M		C225	87-010-322-080		C-CAP, S 100P-50 J CH<EXCEPT HR>
	87-A40-269-080	C-DIODE, MC2836		C226	87-A10-516-080		C-CAP, S 100P-200 JC<HR>
	87-A40-270-080	C-DIODE, MC2838		C226	87-010-322-080		C-CAP, S 100P-50 J CH<EXCEPT HR>
	87-070-274-080	DIODE, 1N4003 SEM		C229	87-016-461-080		C-CAP, S 0.47-16 ZF<HR>
	87-A40-205-080	ZENER, UZ6.2BSC		C230	87-016-461-080		C-CAP, S 0.47-16 ZF<HR>
	87-A40-211-080	ZENER, UZ36BSA		C241	87-010-405-080		CAP, E 10-50 M SME
	87-A40-206-080	ZENER, UZ10BSC		C242	87-010-405-080		CAP, E 10-50 M SME<U>
	87-A40-004-080	ZENER, MTZJ16A		C242	87-010-406-080		CAP, E 22-50 M SME<LH, HR>
	87-A40-274-010	DIODE, FMB-G16L<LH, HR>		C243	87-010-197-080		C-CAP, S 0.01-25 KB
	87-A40-370-090	DIODE, RK46-P20<U>		C244	87-010-406-080		CAP, E 22-50 M SME<LH, HR>
	87-A40-202-080	ZENER, UZ5.1BSB		C301	87-010-318-080		C-CAP, S 47P-50 J CH
	87-017-481-080	ZENER, UZ-5.6BSB		C302	87-010-318-080		C-CAP, S 47P-50 J CH
	87-A40-192-080	ZENER, UZ4.3BSA		C303	87-012-157-080		C-CAP, S 330P-50 J CH GRM
	87-A40-239-080	ZENER, UZ5.6BSA		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 ZF C2012
				C311	87-010-198-080		C-CAP, S 0.022-25 KB
				C312	87-010-198-080		C-CAP, S 0.022-25 KB
				C313	87-010-180-080		C-CAP, S 1500P-50 KB
MAIN C.B							

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C314	87-010-180-080		C-CAP,S 1500P-50 KB	C511	87-010-177-080		C-CAP,S 820P-50 J SL<HR>
C315	87-010-178-080		C-CAP,S 1000P-50 KB	C512	87-010-196-080		C-CAP,S 0.1-25 ZF C2012<HR>
C316	87-010-178-080		C-CAP,S 1000P-50 KB	C513	87-010-374-080		CAP,E 47-10 M SME<HR>
C317	87-012-142-080		C-CAP,S 0.33-16 ZF	C514	87-010-196-080		C-CAP,S 0.1-25 ZF C2012<HR>
C318	87-012-142-080		C-CAP,S 0.33-16 ZF	C515	87-010-263-080		CAP,E 100-10 SME<HR>
C319	87-012-141-080		C-CAP,S 0.22-16 ZF	C516	87-010-196-080		C-CAP,S 0.1-25 ZF<EXCEPT HR>
C320	87-012-141-080		C-CAP,S 0.22-16 ZF	C517	87-010-183-080		C-CAP,S 2700P-50 KB<HR>
C321	87-012-141-080		C-CAP,S 0.22-16 ZF	C527	87-010-196-080		C-CAP,S 0.1-25 ZF C2012<HR>
C322	87-012-141-080		C-CAP,S 0.22-16 ZF	C605	87-010-180-080		C-CAP,S 1500P-50 KB
C324	87-010-260-080		CAP,E 47-25 SME	C606	87-010-180-080		C-CAP,S 1500P-50 KB
C325	87-010-370-080		CAP,E 330-6.3 M SME	C611	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C327	87-010-404-080		CAP,E 4.7-50 M SME	C613	87-010-404-080		CAP,E 4.7-50 M SME
C328	87-010-404-080		CAP,E 4.7-50 M SME	C614	87-010-404-080		CAP,E 4.7-50 M SME
C332	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C615	87-010-183-080		C-CAP,S 2700P-50 KB
C335	87-010-401-080		CAP,E 1-50 M SME	C619	87-010-263-080		CAP,E 100-10 SME
C336	87-010-401-080		CAP,E 1-50 M SME	C620	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C337	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C621	87-010-263-080		CAP,E 100-10 SME
C339	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
C340	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C623	87-010-194-080		C-CAP,S 0.047-25 ZF
C351	87-012-140-080		C-CAP,S 470P-50 J CH	C629	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C352	87-012-140-080		C-CAP,S 470P-50 J CH	C646	87-010-322-080		C-CAP,S 100P-50 J CH
C354	87-010-175-080		C-CAP,S 560P-50 J SL	C647	87-010-322-080		C-CAP,S 100P-50 J CH
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, 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	C776	87-010-197-080		C-CAP,S 0.01-25 KB<EXCEPT HR>
C413	87-010-195-080		C-CAP,S 0.068-25 ZF C2012	C777	87-010-400-080		CAP,E 0.47-50 M SME
C414	87-010-195-080		C-CAP,S 0.068-25 ZF C2012	C778	87-010-401-080		CAP,E 1-50 M SME
C415	87-010-404-080		CAP,E 4.7-50 M SME	C779	87-010-401-080		CAP,E 1-50 M SME
C416	87-010-404-080		CAP,E 4.7-50 M SME	C780	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C417	87-010-404-080		CAP,E 4.7-50 M SME	C781	87-010-405-080		CAP,E 10-50 M SME
C418	87-010-404-080		CAP,E 4.7-50 M SME	C782	87-010-405-080		CAP,E 10-50 M SME
C421	87-010-401-080		CAP,E 1-50 M SME	C783	87-015-819-080		C-CAP,0.01-50 K B
C422	87-010-401-080		CAP,E 1-50 M SME	C784	87-010-197-080		C-CAP,S 0.01-25 KB
C503	87-012-154-080		C-CAP,S 150P-50 J CH GRM<HR>	C785	87-010-400-080		CAP,E 0.47-50 M SME
C504	87-012-154-080		C-CAP,S 150P-50 J CH GRM<HR>	C786	87-010-400-080		CAP,E 0.47-50 M SME
C505	87-012-145-080		C-CAP,S 270P-50 J CH<HR>	C787	87-010-184-080		C-CAP,S 3300P-50 KB
C506	87-012-145-080		C-CAP,S 270P-50 J CH<HR>	C788	87-010-184-080		C-CAP,S 3300P-50 KB
C507	87-010-183-080		C-CAP,S 2700P-50 KB<HR>	C789	87-010-179-080		C-CAP,S 1200P-50 KB
C509	87-010-196-080		C-CAP,S 0.1-25 ZF C2012<HR>	C790	87-010-179-080		C-CAP,S 1200P-50 KB
C510	87-010-177-080		C-CAP,S 820P-50 J SL<HR>	C791	87-010-405-080		CAP,E 10-50 M SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C793	87-010-178-080		C-CAP,S 1000P-50 KB	RY101	87-045-389-010		RELAY,12V OSA-SS-212DM5
C794	87-010-406-080		CAP,E 22-50 M SME	RY201	87-045-382-010		RELAY,12V OUAZ-SH-112L
C795	87-010-596-080		C-CAP,S 0.047-16 KR	SFR301	87-024-435-080		SFR,33K H RH063MC
C796	87-010-403-080		CAP,E 3.3-50 M SME	SFR302	87-024-435-080		SFR,33K H RH063MC
C797	87-010-180-080		C-CAP,S 1500P-50 KB<HR>	SFR303	87-024-435-080		SFR,33K H RH063MC
C797	87-010-182-080		C-CAP,S 2200P-50 KB<EXCEPT HR>	SFR304	87-024-435-080		SFR,33K H RH063MC
C798	87-010-180-080		C-CAP,S 1500P-50 KB<HR>	SFR305	87-024-436-080		SFR,47K H RH063MC
C798	87-010-182-080		C-CAP,S 2200P-50 KB<EXCEPT HR>	SFR306	87-024-436-080		SFR,47K H RH063MC
C799	87-010-194-080		C-CAP,S 0.047-25 ZF	SFR351	87-024-436-080		SFR,47K H RH063MC
C812	87-010-197-080		C-CAP,S 0.01-25 KB	SFR352	87-024-436-080		SFR,47K H RH063MC
C814	87-010-197-080		C-CAP,S 0.01-25 KB	TC941	87-011-220-080		TRIMMER,CER 20P 6.15X5.9VCT51<HR>
C820	87-010-408-080		CAP,E 47-50 SME	TC942	87-011-221-080		TRIMMER,CER 30P 6.15X5.9VCT51<HR>
C821	87-010-197-080		C-CAP,S 0.01-25 KB	TH201	87-A90-221-080		C-THMS,100K<LH,HR>
C822	87-010-197-080		C-CAP,S 0.01-25 KB	TH202	87-A90-221-080		C-THMS,100K<LH,HR>
C823	87-010-197-080		C-CAP,S 0.01-25 KB	W1	85-NF5-628-010		F-CABLE,7P-2.5
C828	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C829	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	X771	87-030-354-010		VIB,CER 450.0KHZ BFU C<HR>
C940	87-010-197-080		C-CAP,S 0.01-25 KB<HR>				
C941	87-010-314-080		C-CAP,S 22P-50 J CH<HR>				
C943	87-010-197-080		C-CAP,S 0.01-25 KB<HR>				
				FRONT C.B			
C944	87-014-051-080		CAP,PP 560P-100 J<HR>	C101	87-010-198-080		C-CAP,S 0.022-25 KB
C945	87-010-197-080		C-CAP,S 0.01-25 KB<HR>	C102	87-010-198-080		C-CAP,S 0.022-25 KB
C947	87-010-197-080		C-CAP,S 0.01-25 KB<HR>	C103	87-010-197-080		C-CAP,S 0.01-25 KB
C950	87-014-073-080		CAP,PP 4700P-100 J<HR>	C104	87-010-312-080		C-CAP,S 15P-50 J CH
C952	87-010-197-080		C-CAP,S 0.01-25 KB<HR>	C105	87-010-316-080		C-CAP,S 33P-50 J CH
C953	87-010-197-080		C-CAP,S 0.01-25 KB<HR>	C106	87-010-320-080		C-CAP,S 68P-50 J CH
C954	87-010-400-080		CAP,E 0.47-50 M SME<HR>	C107	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C956	87-010-263-080		CAP,E 100-10 SME<HR>	C108	87-010-405-040		CAP,E 10-50 M SME
C959	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C109	87-010-494-040		CAP,E 1-50 5L SRE
C960	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C110	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C961	87-010-152-080		C-CAP,S 8P-50 D CH<EXCEPT HR>	C111	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C962	87-010-401-080		CAP,E 1-50 M SME<HR>	C112	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
CF801	87-008-261-010		FLTR,CFSFE10.7MA5	C113	87-A10-189-040		CAP,E 220-10 M
CF802	87-008-261-010		FLTR,CFSFE10.7MA5	C114	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
FC602	88-906-241-110		FF-CABLE, 6P 1.25	C115	87-010-178-080		C-CAP,S 1000P-50 KB
FFE801	A8-7ZA-290-030		7ZA-2 FEUNM	C116	87-010-494-040		CAP,E 1-50 5L SRE
J252	87-A60-024-010		JACK,DIA6.3 BLK ST W/SW KM	C117	87-010-555-040		CAP,E 100-10 5L SRE
J253	87-099-474-010		JACK,PIN 3P BLK W/SW	C118	87-010-194-080		C-CAP,S 0.047-25 ZF
J254	87-A60-238-010		TERMINAL,SP 4P(MSC)	C119	87-010-408-040		CAP,E 47-50 M SME
J601	87-A60-330-010		JACK,PIN 6P YKC21-3174<U>	C120	87-010-404-040		CAP,E 4.7-50 SME
J601	87-A60-426-010		JACK,PIN 6P YKC21-3835<LH,HR>	C121	87-010-404-040		CAP,E 4.7-50 SME
J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02	C122	87-010-194-080		C-CAP,S 0.047-25 ZF
L201	87-003-383-010		COIL,1UH K	C123	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L202	87-003-383-010		COIL,1UH K	C124	87-018-209-080		CAP,TC U 0.1-50 ZF UP050
L301	87-A50-049-010		COIL,TRAP 85K(COI)	C125	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L302	87-A50-049-010		COIL,TRAP 85K(COI)	C127	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L351	87-007-342-010		COIL,OSC 85KHZ BIAS	C130	87-010-178-080		C-CAP,S 1000P-50 KB<HR>
L601	87-003-231-080		C-COIL,1215 1UH K ML	C130	87-018-131-010		CAP,TC U 1000P-50 K<EXCEPT HR>
L770	87-005-849-080		COIL,10UH K CECS	C201	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L771	87-A50-165-010		COIL,FM DET-N(TOK)	C351	87-012-158-080		C-CAP,S 390P-50 J CH GRM
L772	87-A90-245-010		FLTR,CFAZH-450 (TOK)<EXCEPT HR>	C352	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L772	87-A90-052-010		FLTR,CFMT-450A(TOK)<HR>	C353	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L791	87-A50-027-010		COIL,1 POLE MPX(TOK)<HR>	C354	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L791	87-003-293-010		COIL,TRAP MPX<EXCEPT HR>	C355	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L792	87-A50-027-010		COIL,1 POLE MPX(TOK)<HR>	C356	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L792	87-003-293-010		COIL,TRAP MPX<EXCEPT HR>	C357	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L832	87-005-847-080		COIL,2.2UH K CECS	C403	87-010-992-080		C-CAP,S 0.047-25 KB MK212
L941	87-A50-022-010		COIL,ANT SW(COI) 7.96MHZ<HR>	C404	87-010-992-080		C-CAP,S 0.047-25 KB MK212
L942	87-A50-173-010		COIL,OSC SW-N(COI)<HR>	C405	87-010-401-040		CAP,E 1-50 M SME
L943	87-005-372-080		COIL,1MH K LAL03<HR>	C406	87-010-494-040		CAP,E 1-50 5L SRE
L944	87-A50-159-010		COIL,10MH K C2B<HR>	C407	87-010-184-080		C-CAP,S 3300P-50 KB
L981	86-NF4-666-010		COIL,AM PACK 3(TOK)<HR>	C408	87-010-184-080		C-CAP,S 3300P-50 KBB
L981	87-NF4-650-010		COIL,AM PACK4N(TOK)<EXCEPT HR>	C409	87-010-592-080		C-CAP,S 0.022-16 KR GRM
△ PR201	87-026-691-080		FUSE,10A 125V 251<U>	C410	87-010-592-080		C-CAP,S 0.022-16 KR GRM
△ PR201	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH,HR>	C411	87-A10-201-080		C-CAP,S 0.33-16 KB
△ PR202	87-026-691-080		FUSE,10A 125V 251<U>	C412	87-A10-201-080		C-CAP,S 0.33-16 KB
△ PR202	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH,HR>	C413	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
R123	87-022-200-080		RES,M/F 0.56-1W J<U>	C414	87-010-374-040		CAP,E 47-10 SME
R231	87-A00-262-080		RES,M/F 0.15-2W J	C415	87-010-374-040		CAP,E 47-10 SME
R232	87-A00-262-080		RES,M/F 0.15-2W J	C416	87-010-196-080		C-CAP,S 0.1-25 ZF C2012

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C417	87-016-081-080		C-CAP,S 0.1-16 KR	S304	87-A90-095-080		SW,TACT EVQ11G04M
C418	87-010-405-040		CAP,E 10-50 M SME	S305	87-A90-095-080		SW,TACT EVQ11G04M
C501	87-010-319-080		C-CAP,S 56P-50 J CH	S306	87-A90-095-080		SW,TACT EVQ11G04M
C502	87-010-319-080		C-CAP,S 56P-50 J CH	S307	87-A90-095-080		SW,TACT EVQ11G04M
C503	87-012-393-080		C-CAP,S 0.22-16 K W5R CM/CB	S308	87-A90-095-080		SW,TACT EVQ11G04M
C504	87-010-197-080		C-CAP,S 0.01-25 KB	S314	87-A90-095-080		SW,TACT EVQ11G04M
C505	87-010-180-080		C-CAP,S 1500P-50 KB	S315	87-A90-095-080		SW,TACT EVQ11G04M
C506	87-010-213-080		C-CAP,S 0.015-25 KB	S316	87-A90-095-080		SW,TACT EVQ11G04M
C507	87-010-213-080		C-CAP,S 0.015-25 KB	S317	87-A90-095-080		SW,TACT EVQ11G04M
C508	87-010-197-080		C-CAP,S 0.01-25 KB	S318	87-A90-095-080		SW,TACT EVQ11G04M
C509	87-010-181-080		C-CAP,S 1800P-50 KB	S319	87-A90-095-080		SW,TACT EVQ11G04M
C510	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	S320	87-A90-095-080		SW,TACT EVQ11G04M
C511	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	S322	87-A90-095-080		SW,TACT EVQ11G04M
C512	87-010-374-040		CAP,E 47-10 SME	S326	87-A90-095-080		SW,TACT EVQ11G04M
C513	87-010-401-040		CAP,E 1-50 M SME	S327	87-A90-095-080		SW,TACT EVQ11G04M
C514	87-010-401-040		CAP,E 1-50 M SME	S328	87-A90-095-080		SW,TACT EVQ11G04M
C515	87-010-183-080		C-CAP,S 2700P-50 KB	S329	87-A90-095-080		SW,TACT EVQ11G04M
C516	87-010-183-080		C-CAP,S 2700P-50 KB	S330	87-A90-095-080		SW,TACT EVQ11G04M
C518	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	S331	87-A90-095-080		SW,TACT EVQ11G04M
C519	87-010-264-010		CAP,E 100-10 M 5L SR<HR>	S332	87-A90-095-080		SW,TACT EVQ11G04M
C519	87-010-263-040		CAP,E 100-10 M SME<EXCEPT HR>	S339	87-A90-095-080		SW,TACT EVQ11G04M<HR>
C533	87-010-545-040		CAP,E 0.22-50 M SME	S340	87-A90-095-080		SW,TACT EVQ11G04M<HR>
C601	87-010-405-040		CAP,E 10-50 M SME	S341	87-A90-095-080		SW,TACT EVQ11G04M
C602	87-010-186-080		C-CAP,S 4700P-50 KB	SW101	87-A90-471-010		SW,RTRY EC16B24304-25 NON
C603	87-010-405-040		CAP,E 10-50 M SME	X101	87-A70-070-080		VIB,CER 5.76MHZ CRHF
C604	87-010-382-040		CAP,E 22-25 SME				
C605	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	KEY C.B			
C607	87-010-321-080		C-CAP,S 82P-50 J CH				
C608	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED230	87-A40-317-080		LED,SLR-342VCT31 RED
C609	87-010-545-040		CAP,E 0.22-50 M SME	LED231	87-A40-317-080		LED,SLR-342VCT31 RED
C611	87-010-177-080		C-CAP,S 820P-50 J SL	LED232	87-A40-317-080		LED,SLR-342VCT31 RED
C614	87-010-248-040		CAP,E 220-10 M SME	S309	87-A90-095-080		SW,TACT EVQ11G04M
FB601	87-008-372-080		FLTR,EMIBL01 RN1	S310	87-A90-095-080		SW,TACT EVQ11G04M
FC104	85-NF5-615-010		CABLE,PFC 15P-1.25	S311	87-A90-095-080		SW,TACT EVQ11G04M
FC301	85-NF5-617-010		CABLE,PFC 6P-1.25	S312	87-A90-095-080		SW,TACT EVQ11G04M
FC102	85-NF5-618-010		CABLE,PFC 13P-1.25	S313	87-A90-095-080		SW,TACT EVQ11G04M
FL101	87-NF4-640-010		FL,BJ529GK				
J601	87-A60-284-010		JACK,3.5MO(MSC)	FAN C.B			
J602	87-A60-284-010		JACK,3.5MO(MSC)				
L501	87-005-448-080		COIL,220UH K FLR50	C130	87-010-401-080		CAP,E 1-50 M SME
LED201	87-A40-317-080		LED,SLR-342VCT31 RED	C131	87-010-263-080		CAP,E 100-10 SME
LED202	87-A40-317-080		LED,SLR-342VCT31 RED	C132	87-010-380-080		CAP,E 47-16 M SME
LED203	87-A40-317-080		LED,SLR-342VCT31 RED	RY103	87-A90-143-010		RELAY, DG12D2-OS(M)<U>
LED204	87-A40-317-080		LED,SLR-342VCT31 RED				
LED205	87-A40-317-080		LED,SLR-342VCT31 RED	AC1 C.B			
LED206	87-A40-316-080		LED,SLR-56PCT31 GRN	△ F101	87-035-368-010		FUSE,4A 250V T<LH,HR>
LED207	87-A40-316-080		LED,SLR-56PCT31 GRN	△ F101	87-035-493-010		FUSE,8A 125V T 237<U>
LED208	87-A40-316-080		LED,SLR-56PCT31 GRN	△ F102	87-035-368-010		FUSE,4A 250V T<LH,HR>
LED209	87-A40-316-080		LED,SLR-56PCT31 GRN	△ FC1	87-033-147-010		FUSE CLAMP,MT-20<LH,HR>
LED210	87-A40-316-080		LED,SLR-56PCT31 GRN	△ FC1	87-033-213-080		FUSE CLAMP,PFC5000<U>
LED211	87-A40-316-080		LED,SLR-56PCT31 GRN	△ FC2	87-033-147-010		FUSE CLAMP,MT-20<LH,HR>
LED212	87-A40-316-080		LED,SLR-56PCT31 GRN	△ FC2	87-033-213-080		FUSE CLAMP,PFC5000<U>
LED213	87-A40-316-080		LED,SLR-56PCT31 GRN	△ FC3	87-033-147-010		FUSE CLAMP,MT-20<LH,HR>
LED214	87-A40-316-080		LED,SLR-56PCT31 GRN	△ FC4	87-033-147-010		FUSE CLAMP,MT-20<LH,HR>
LED215	87-A40-316-080		LED,SLR-56PCT31 GRN	△ PT101	87-NF4-631-010		PT,7NF-4 HR<HR>
LED216	87-A40-264-080		LED,SLH-56PCTE7 GRN	△ PT101	87-NF4-632-010		PT,7NF-4 LH<LH>
LED217	87-A40-264-080		LED,SLH-56PCTE7 GRN	△ PT101	87-NF4-630-010		PT,7NF-4 U<U>
LED218	87-A40-264-080		LED,SLH-56PCTE7 GRN	△ SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301<LH,HR>
LED219	87-A40-264-080		LED,SLH-56PCTE7 GRN	△ T1	87-A60-317-010		TERMINAL,1P MSC
LED220	87-A40-264-080		LED,SLH-56PCTE7 GRN	△ T2	87-A60-317-010		TERMINAL,1P MSC
LED221	87-A40-264-080		LED,SLH-56PCTE7 GRN				
LED233	87-A40-265-010		LED,SLH-56PCL GRN	AC2 C.B			
LED234	87-A40-265-010		LED,SLH-56PCL GRN	△ PR1	87-026-691-080		FUSE,10A 125V 251<U>
LED235	87-A40-267-010		LED,SLH-56VCL RED	△ PR1	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH,HR>
LED236	87-A40-267-010		LED,SLH-56VCL RED	△ PR2	87-026-691-080		FUSE,10A 125V 251<U>
LED237	87-A40-265-010		LED,SLH-56PCL GRN	△ PR2	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH,HR>
LED238	87-A40-265-010		LED,SLH-56PCL GRN	△ PR5	87-026-691-080		FUSE,10A 125V 251<U>
S300	87-A90-095-080		SW,TACT EVQ11G04M	△ PR5	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH,HR>
S302	87-A90-095-080		SW,TACT EVQ11G04M	△ PR6	87-026-691-080		FUSE,10A 125V 251<U>
S303	87-A90-095-080		SW,TACT EVQ11G04M				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
△ PR6	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH,HR>

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

85-ZM3-602-010 PWB,FLEX I

HEAD-2 C.B

	85-ZM3-602-010	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



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

TRANSISTOR ILLUSTRATION



E C B

KTA1266
KTC3198



E C B

CSD1489
CSB1058



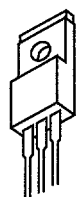
E C B

2SA933



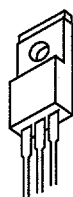
E B C

C2N5401



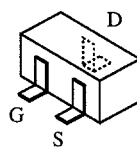
B C E

2SB1370
FN1016
FP1016

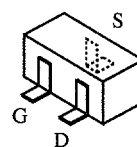


G D S

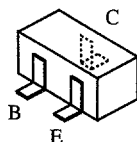
2SK2723



2SK2158



2SK543

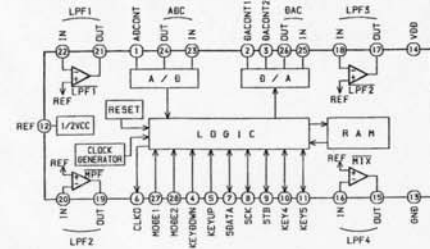


2SA1235
2SC2714
2SC3052
CMBT5551
CSA1362
CSD1306

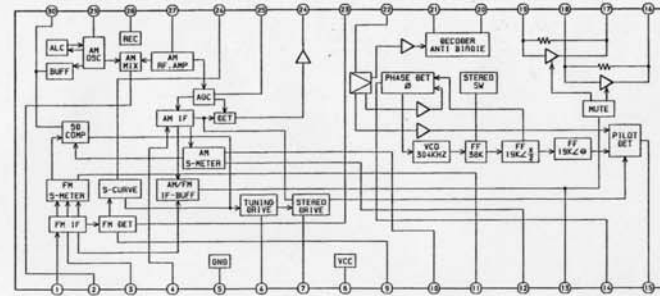
DTA144EK
RN1410
RT1N141C
RT1N144C
RT1P141C
RT1P144C

IC BLOCK DIAGRAM - 1

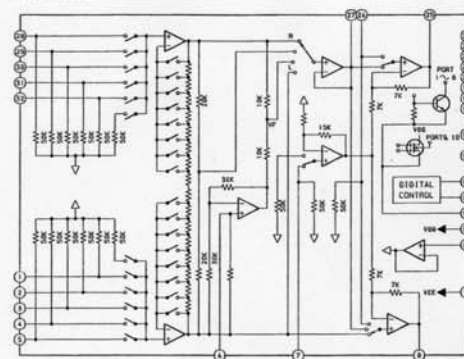
IC, M65847AFP <HR ONLY>



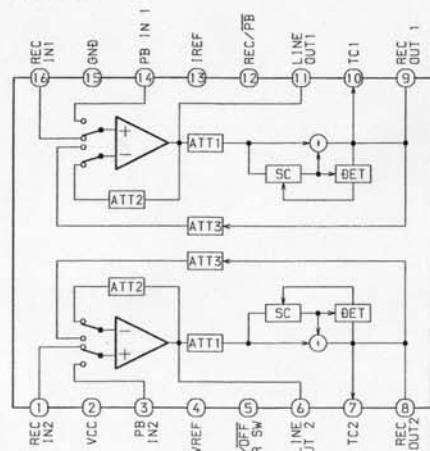
IC, LA1837



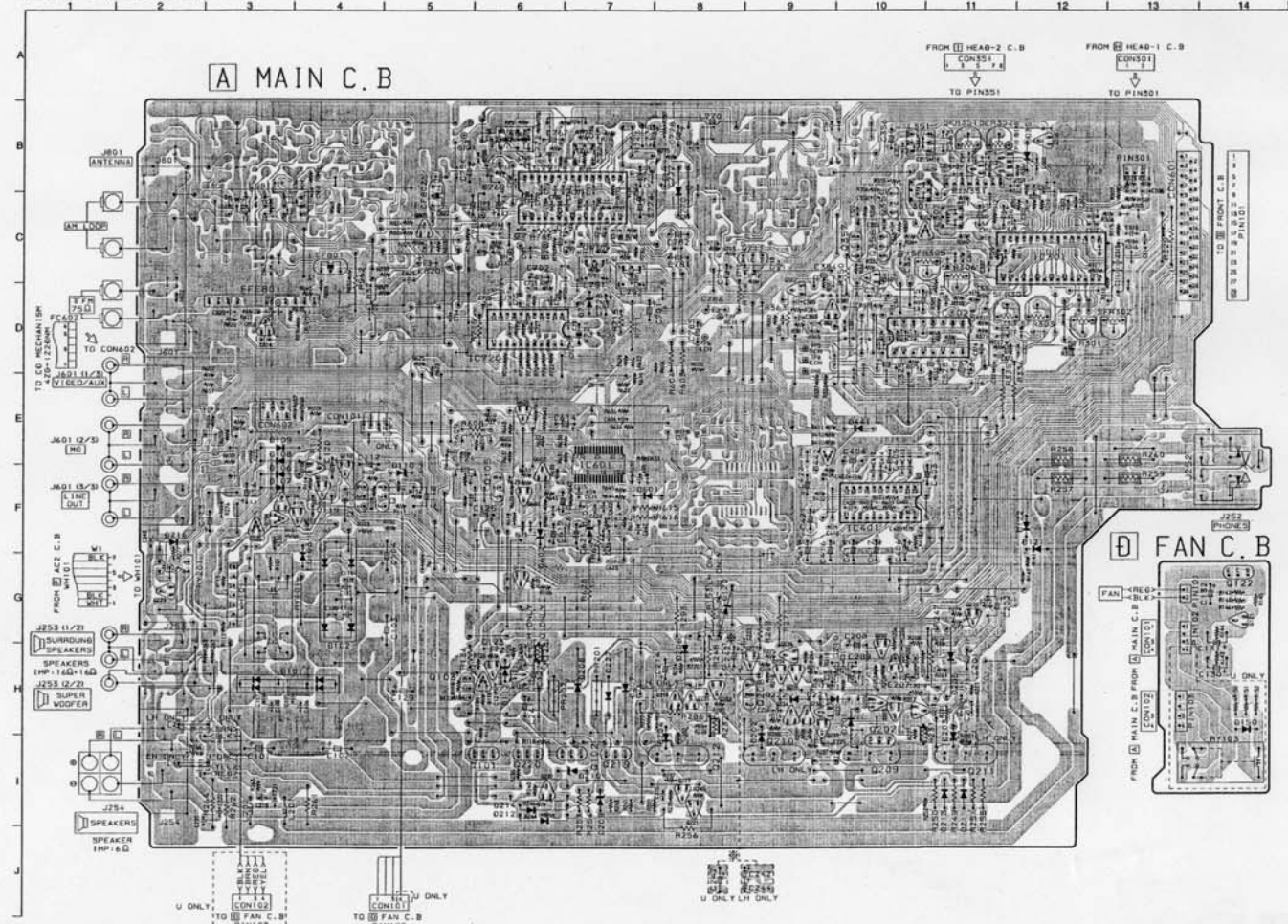
IC, BH3810FS

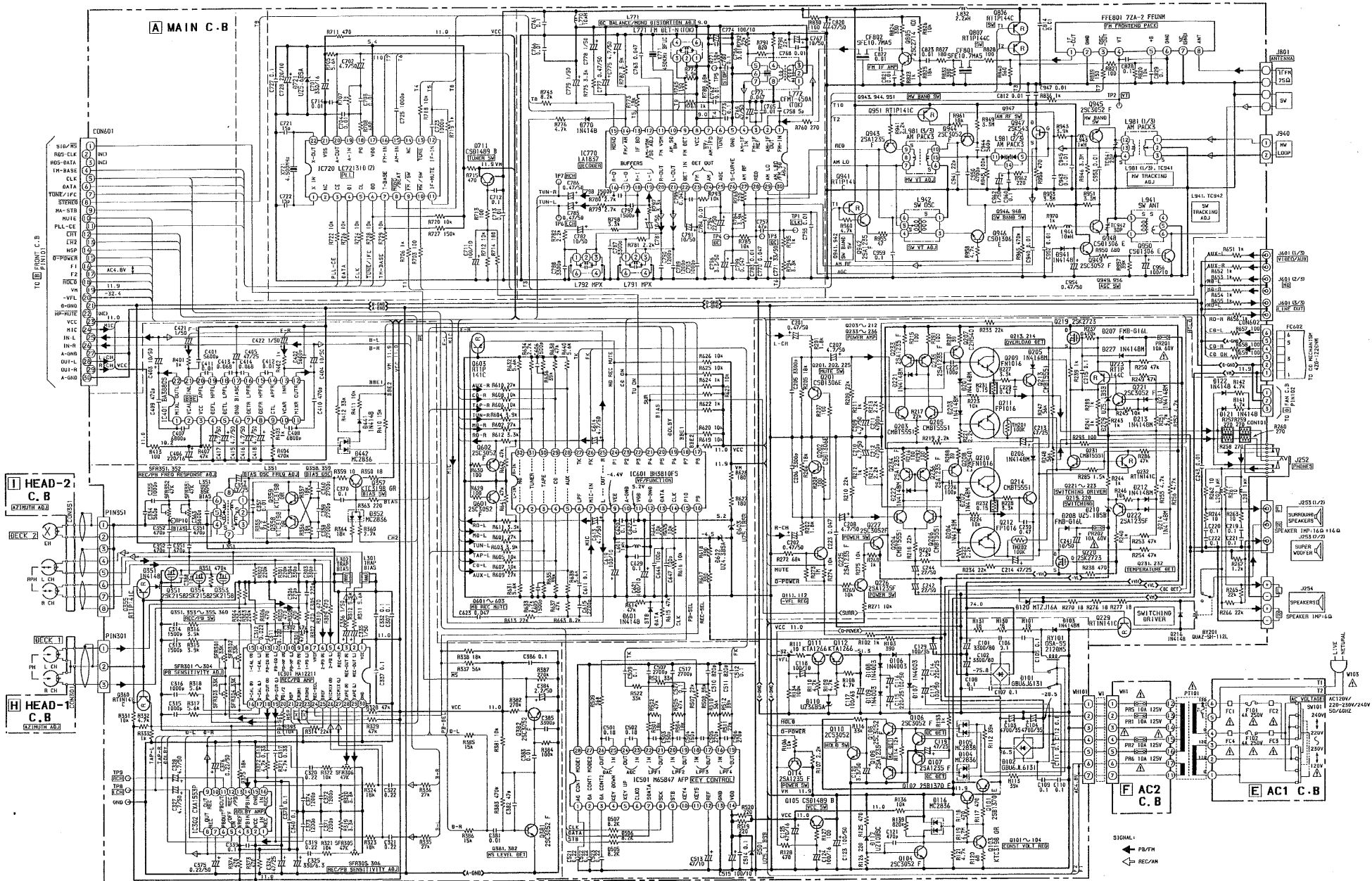


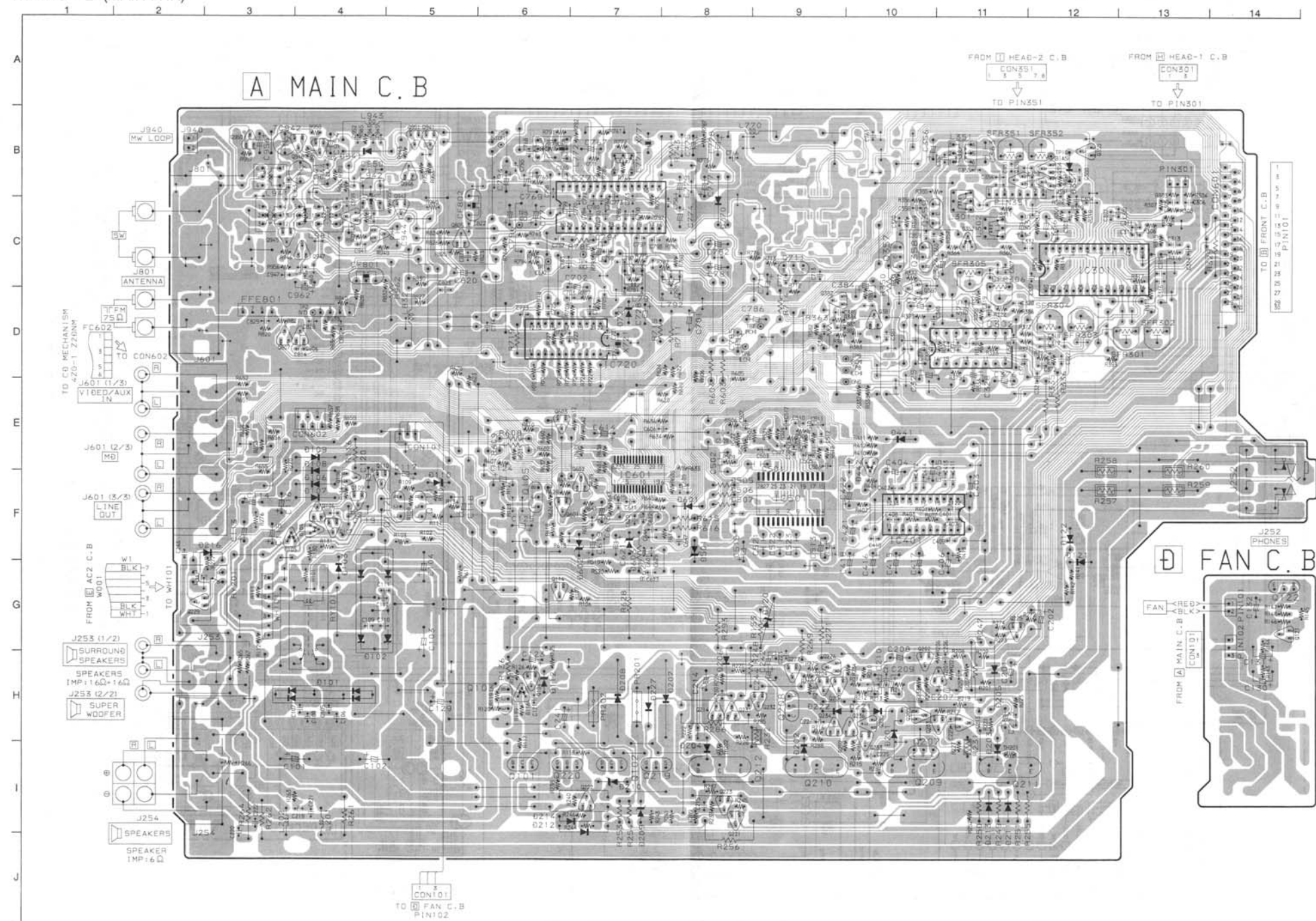
IC, CXA1553P



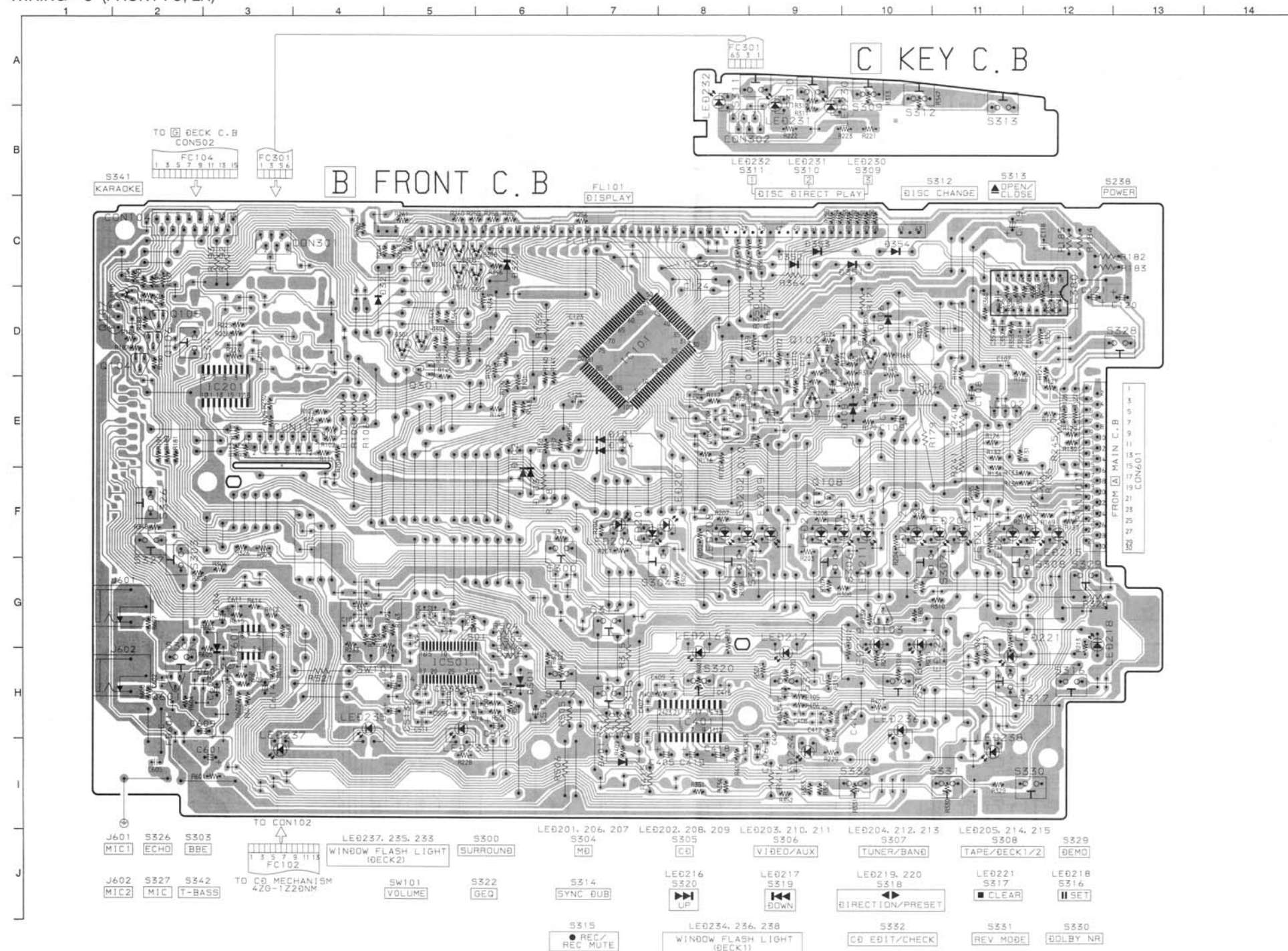
WIRING - 1 (MAIN : U, LH)



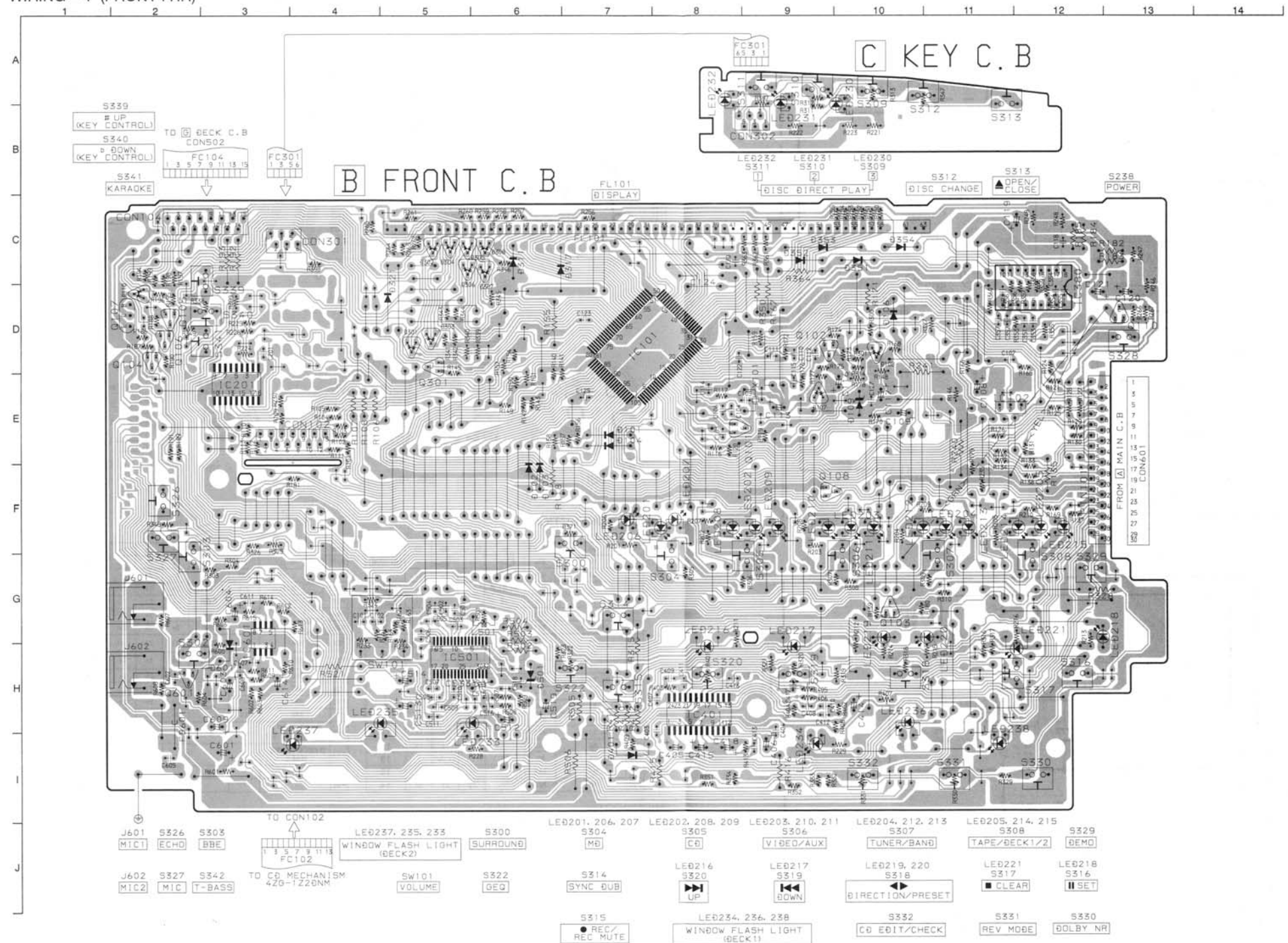




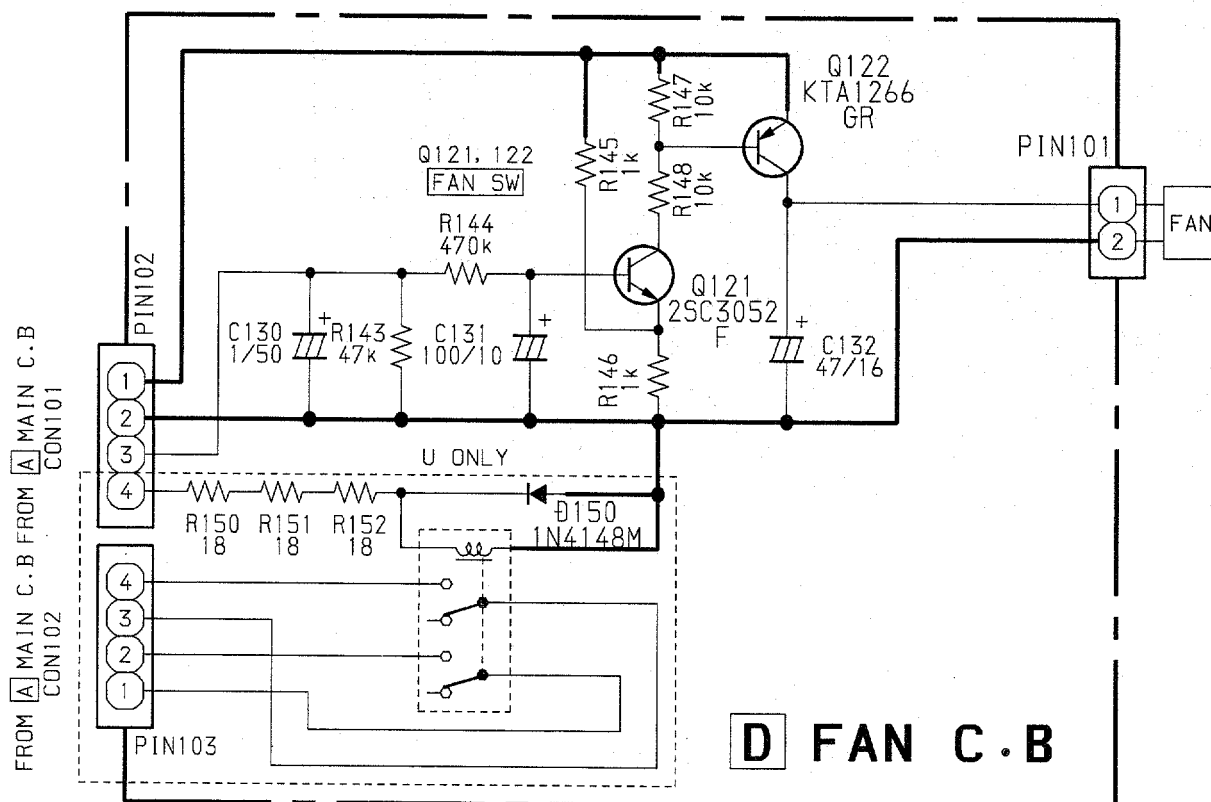
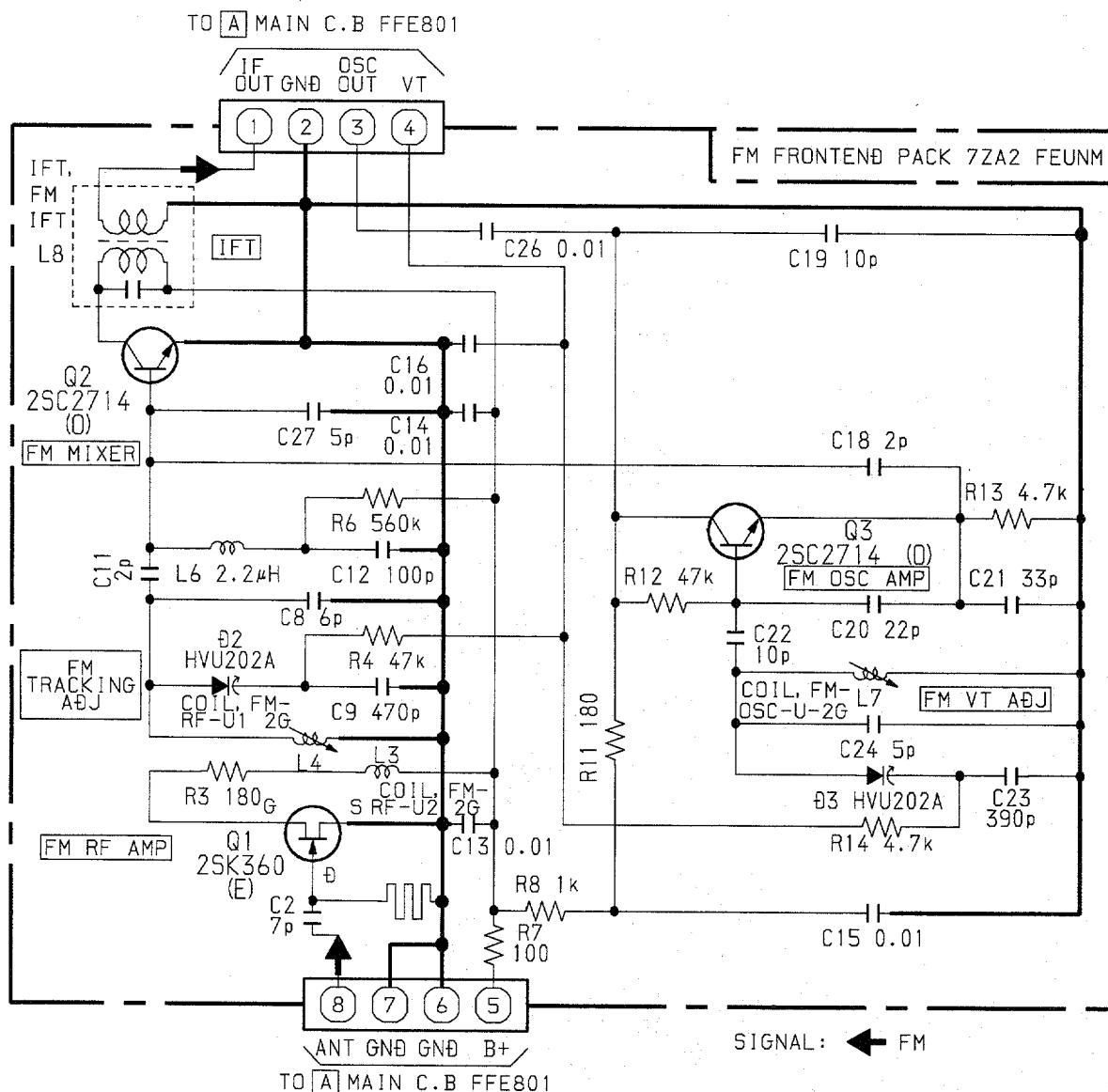






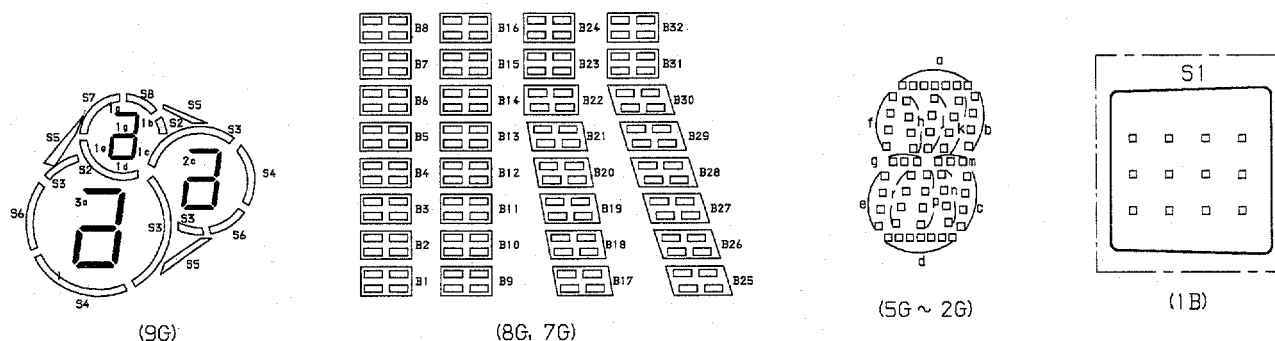
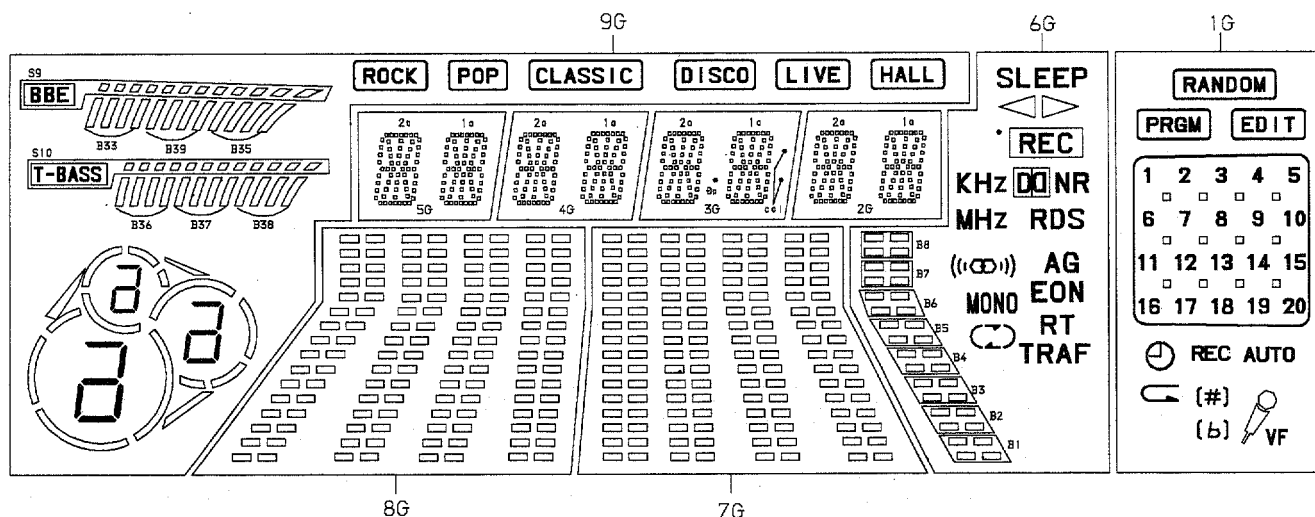


SCHEMATIC DIAGRAM - 5 (TUNER FRONTEND / FAN)



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)	1e	1e	1e	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, 2g	B22	-	1f	1f	1f	6
P11	3b	B14	DO NR	1b	1b	1b	7
P12	3c	B6	B6	1k	1k	1k	8
P13	3e	B29	RDS	1j	1j	1j	9
P14	3a, 3d, 3g	B21	-	1h	1h	1h	10
P15	S3	B13	-	1a	1a	1a	11
P16	S5	B5	B5	-	col (UP)	-	12
P17	S7	B28	-	-	0p	-	13
P18	S4	B20	-	2d	2d	2d	14

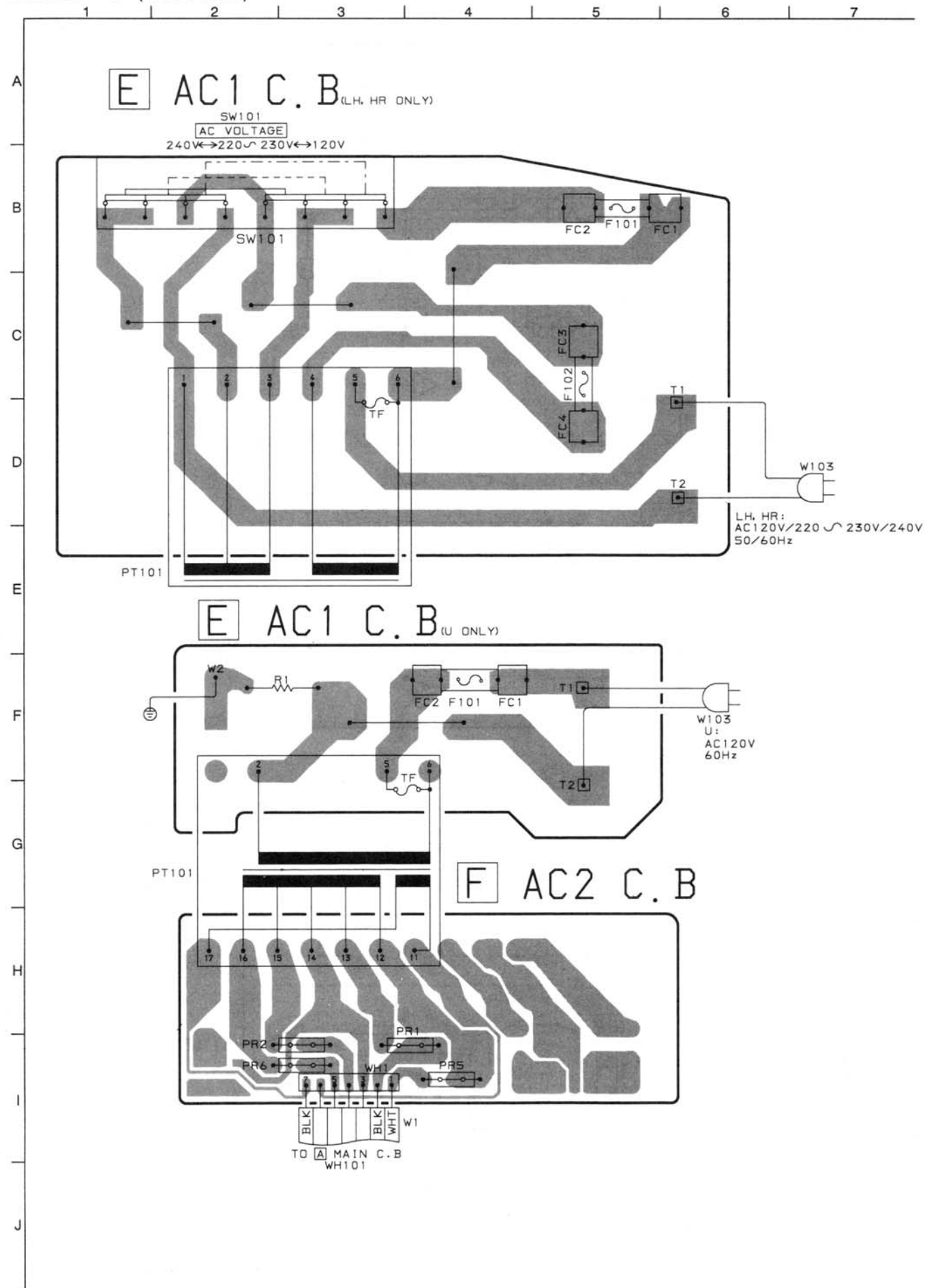
P19	S6	B12	-	2n	2n	2n	15
P20	(HALL)	B4	B4	2p	2p	2p	16
P21	(LIVE)	B27	AG	2r	2r	2r	17
P22	(DISCO)	B19	(())	2e	2e	2e	18
P23	(CLASSIC)	B11	EON	2o	2o	2o	19
P24	(POP)	B3	B3	2q	2q	2q	20
P25	(ROCK)	B26	RT	2m	2m	2m	AUTO
P26	B36	B18	MONO	2i	2i	2i	VF
P27	B37	B10	TRAF	2b	2b	2b	⊕
P28	B38	B2	B2	2k	2k	2k	REC
P29	B33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

PIN CONNECTION

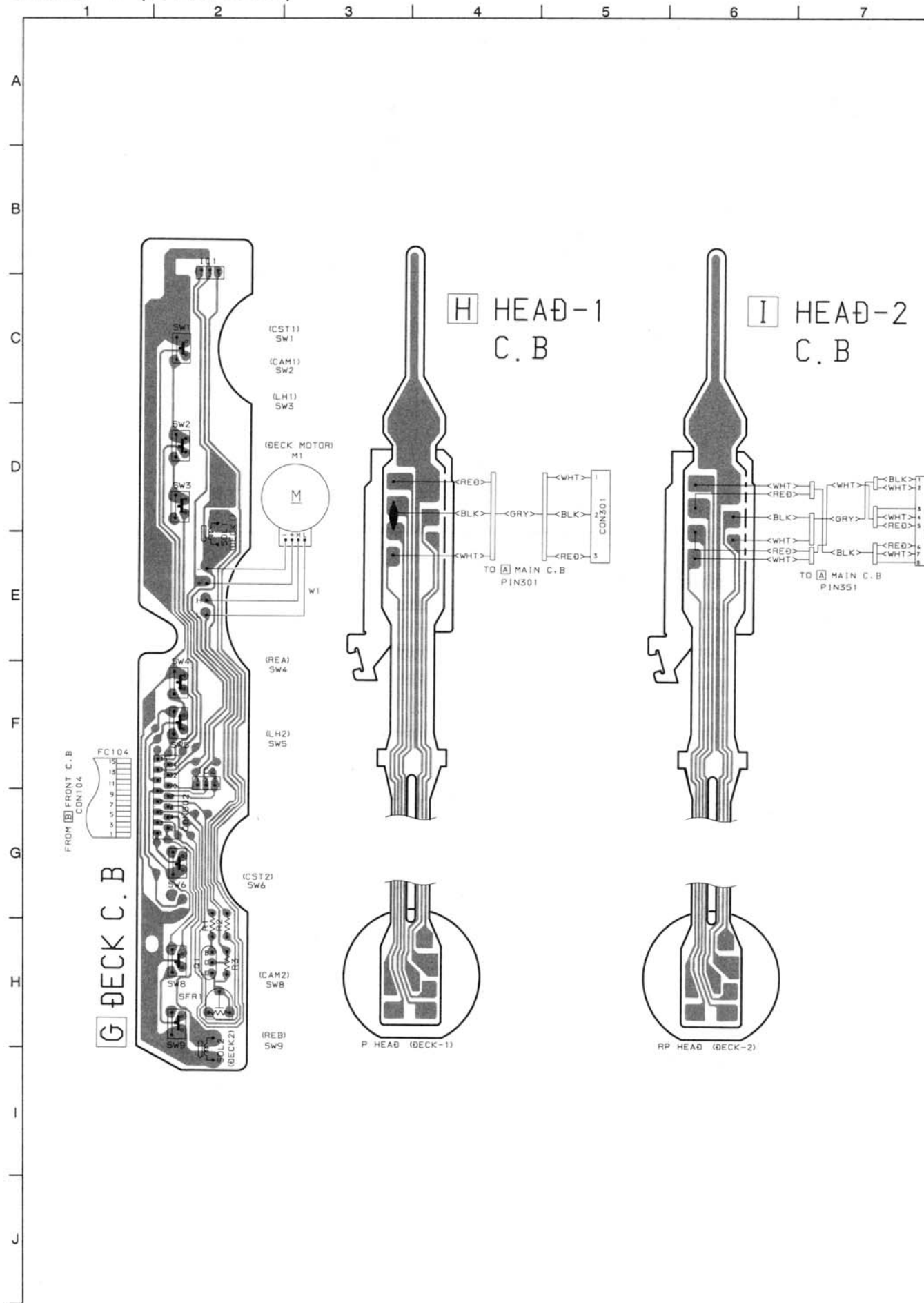
PIN NO.	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
CONNECTION	F2	F2	F2	NP	NP	9G	8G	7G	6G	5G	4G	3G	2G	1G	NC	NC	NC	NC	NC	NC	NC	NC	NC	P35	P34	P33	P32	P31	P30	P29	P28	P27	P26

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

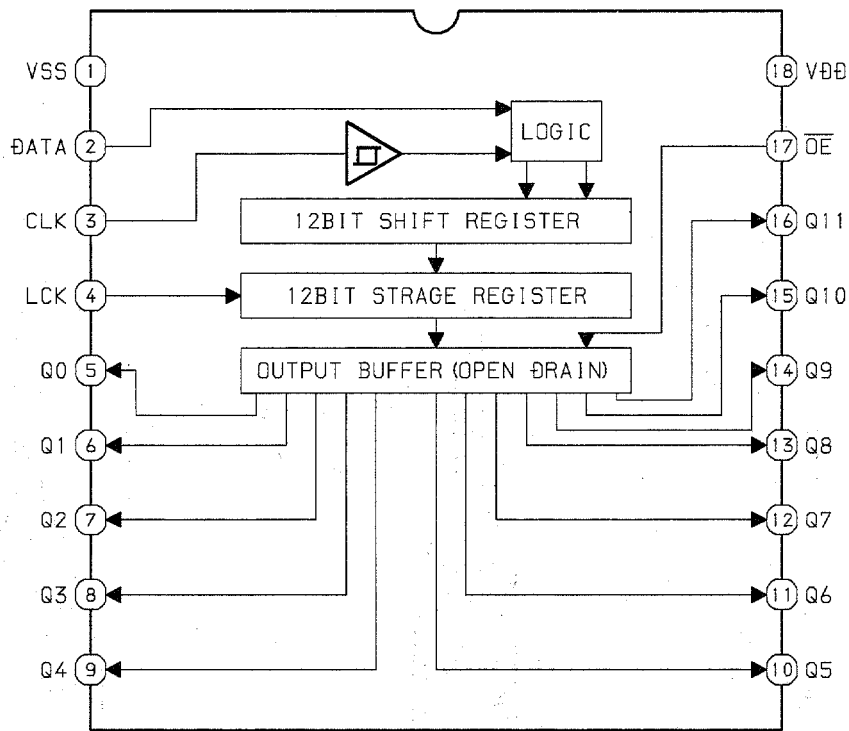


WIRING - 6 (DECK / HEAD)

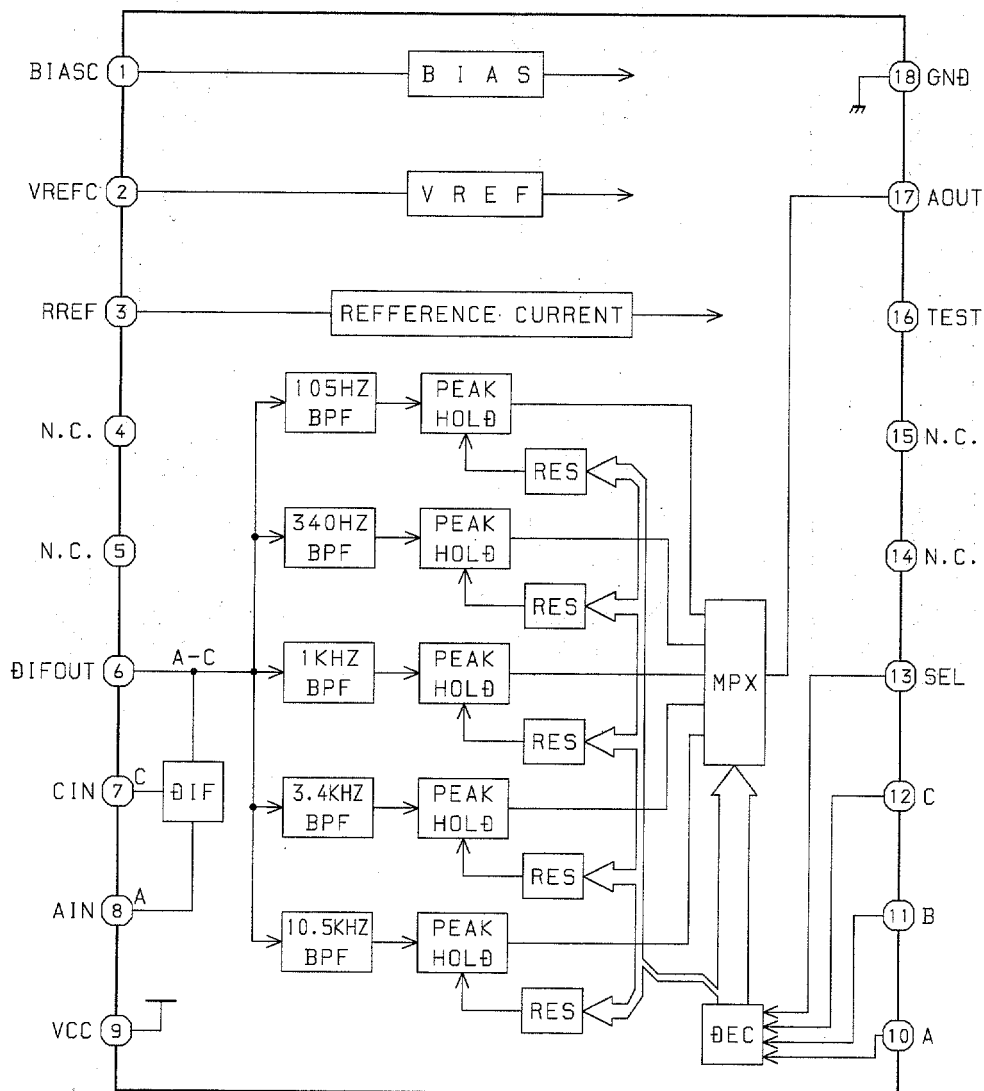


IC BLOCK DIAGRAM – 2

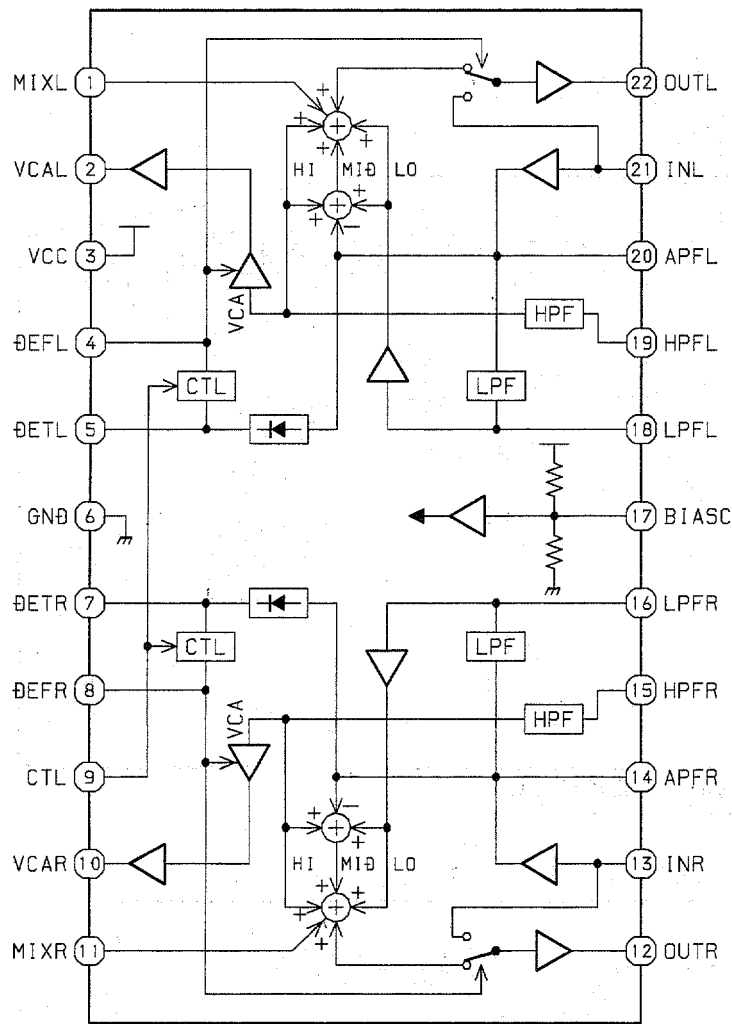
IC, BU2092F



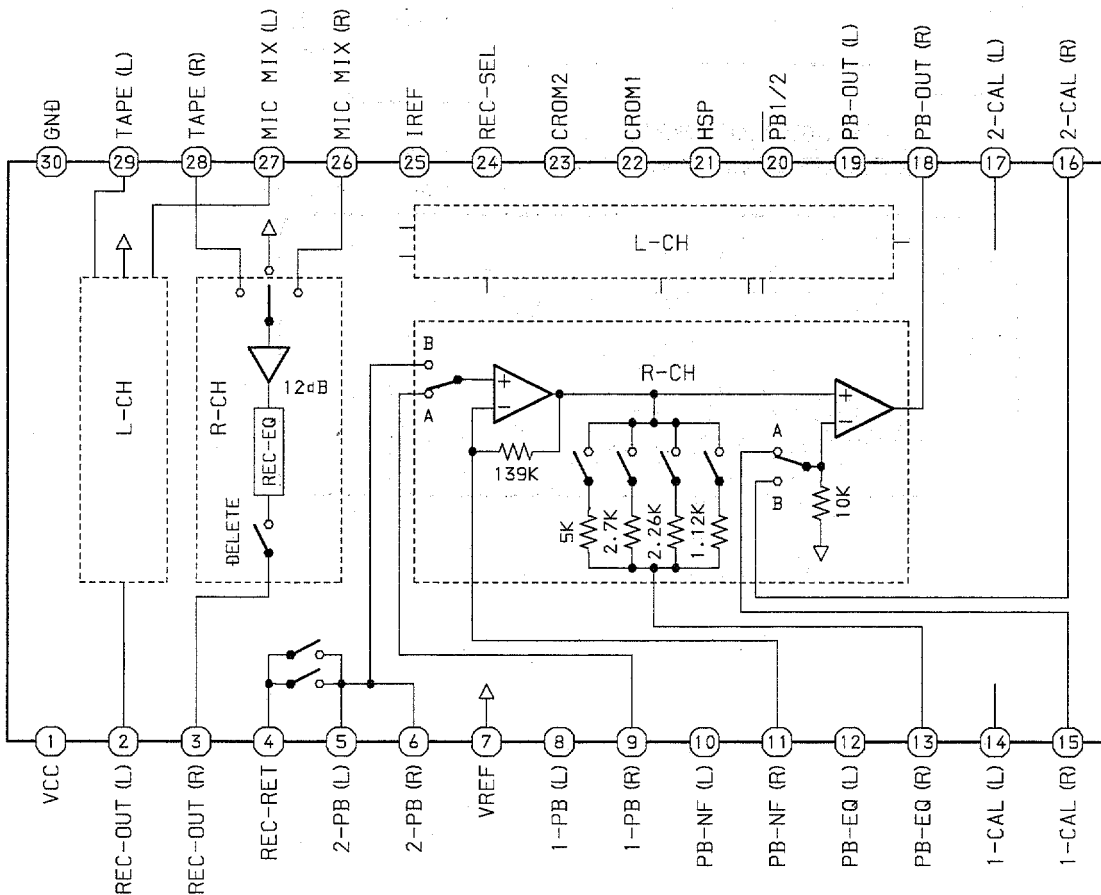
IC, BA3835S



IC, BA3880S



IC, HA12211



IC DESCRIPTION

IC, LC866548V

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.
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.

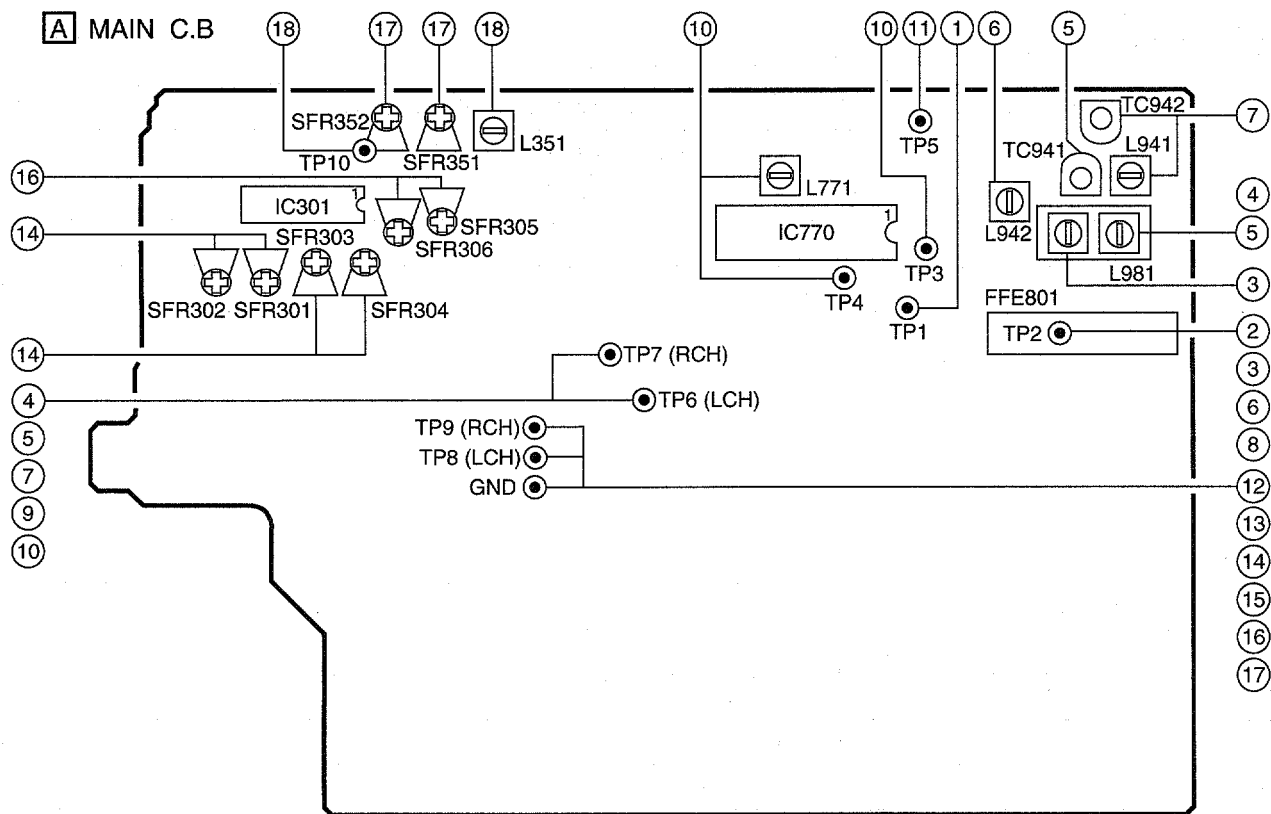
Pin No.	Pin Name	I/O	Description
54	P19/SW	O/I	FL segment P19 output / SW mode data input to diode.
55	P18/FM 1	O/I	FL segment P18 output / FM1 (OIRT) data input to diode.
56	P17/RDS	O/I	FL segment P17 output / RDS data input to diode.
57	P16/BBE	O/I	FL segment P16 output / BBE data input to diode.
58	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/ $\overline{\text{CST}} 2$	O/I	FL segment P9 output / DECK2 cassette detect switch data input.
65	P8/ $\overline{\text{REB}}$	O/I	FL segment P8 output / DECK2 side-B record OK switch data input.
66	P7/ $\overline{\text{CAM}} 2$	O/I	FL segment P7 output / DECK2 CAM switch data input.
67	P6/ $\overline{\text{AUTO}} 1$	O/I	FL segment P6 output / DECK1 AUTO stop signal input.
68	P5/ $\overline{\text{AUTO}} 2$	O/I	FL segment P5 output / DECK2 AUTO stop signal input.
69	P4/ $\overline{\text{CAM}} 1$	O/I	FL segment P4 output / DECK1 CAM switch data input.
70	P3/ $\overline{\text{CST}} 1$	O/I	FL segment P3 output / DECK1 cassette detect switch data input.
71	P2/ $\overline{\text{REA}}$	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	$\overline{\text{LED}} \blacktriangleright\blacktriangleright$	O	$\blacktriangleright\blacktriangleright$ LED $\overline{\text{ON}}$ /OFF output.
86	$\overline{\text{LED}} \blacktriangleleft\blacktriangleleft$	O	$\blacktriangleleft\blacktriangleleft$ LED $\overline{\text{ON}}$ /OFF output.
87	$\overline{\text{LED}} \blacktriangleright$	O	$\blacktriangleright$ LED $\overline{\text{ON}}$ /OFF output.
88	$\overline{\text{LED}} \blacktriangleleft$	O	$\blacktriangleleft$ LED $\overline{\text{ON}}$ /OFF output.
89	VSS 2	–	GND.
90	VDD 2	–	Power supply input.
91	$\overline{\text{LED}} \blacksquare$	O	$\blacksquare$ LED $\overline{\text{ON}}$ /OFF output.
92	$\overline{\text{LED}} \blacksquare\blacksquare$	O	$\blacksquare\blacksquare$ 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.

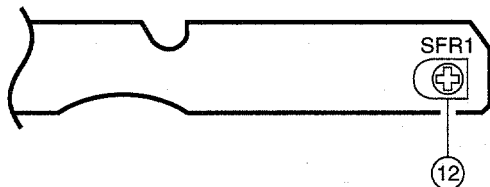
IC, LC72131D

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(LC866548V) when relevant key is operated. Active "H".																								
5	CL	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC866548V).																								
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.																								

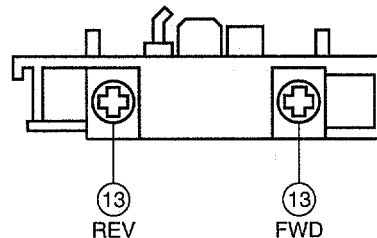
ADJUSTMENT



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 AM(MW) 1710kHz and check that the test point is $2160\text{kHz} \pm 0.045\text{kHz}$.
2. AM VT Check <U, LH>
 Settings : • Test point : TP2 (VT)
 Method : Set to AM 1710kHz and check that the test point is $6.0\text{V} \pm 1.0\text{V}$.
3. MW VT Adjustment <HR>
 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.
4. AM Tracking Adjustment <U, LH>
 Settings : • Test point : TP6 (Lch), TP7 (Rch)
 • Adjustment location : L981
 Method : Set to AM 1000kHz and adjust L981 so that the test point becomes maximum.
5. MW Tracking Adjustment <HR>
 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.

6. SW VT Adjustment <HR>

Settings : • Test point : TP2 (VT)
 • Adjustment location : L942

Method : Set to SW 17.9MHz and adjust L942 so that the test point becomes $7.0V \pm 0.05V$.
7. SW Tracking Adjustment <HR>

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.
8. 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).
9. FM Tracking Check

Settings : • Test point : TP6 (Lch), TP7 (Rch)

Method : Set to FM 98.0MHz and check that the test point is $2dB \pm 6dB$ at distortion less than 3%.
10. 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%.
11. FM Auto Stop Level Check

Settings : • Test point : TP5 (STOP)

Method : Set to FM 98.0 MHz and check for voltage low (about 0.01V). After that voltage high (about 7.0V) out by 2dB down.
12. 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).
13. 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.
14. 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.
15. 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 2dB.
16. 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 $17mV \pm 0.5dB$.
17. 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.
18. 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 $85kHz \pm 1kHz$.

< DECK SECTION >

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity : 6dB $\pm$ 4dB
 (THD 3%) [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 : (MONO) More than 65dB
 (STEREO) More than 64dB
 [at 98.0MHz]
 Distortion : (MONO) Less than 1.3%
 (Input 54dB) (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

<AM(MW) SECTION>

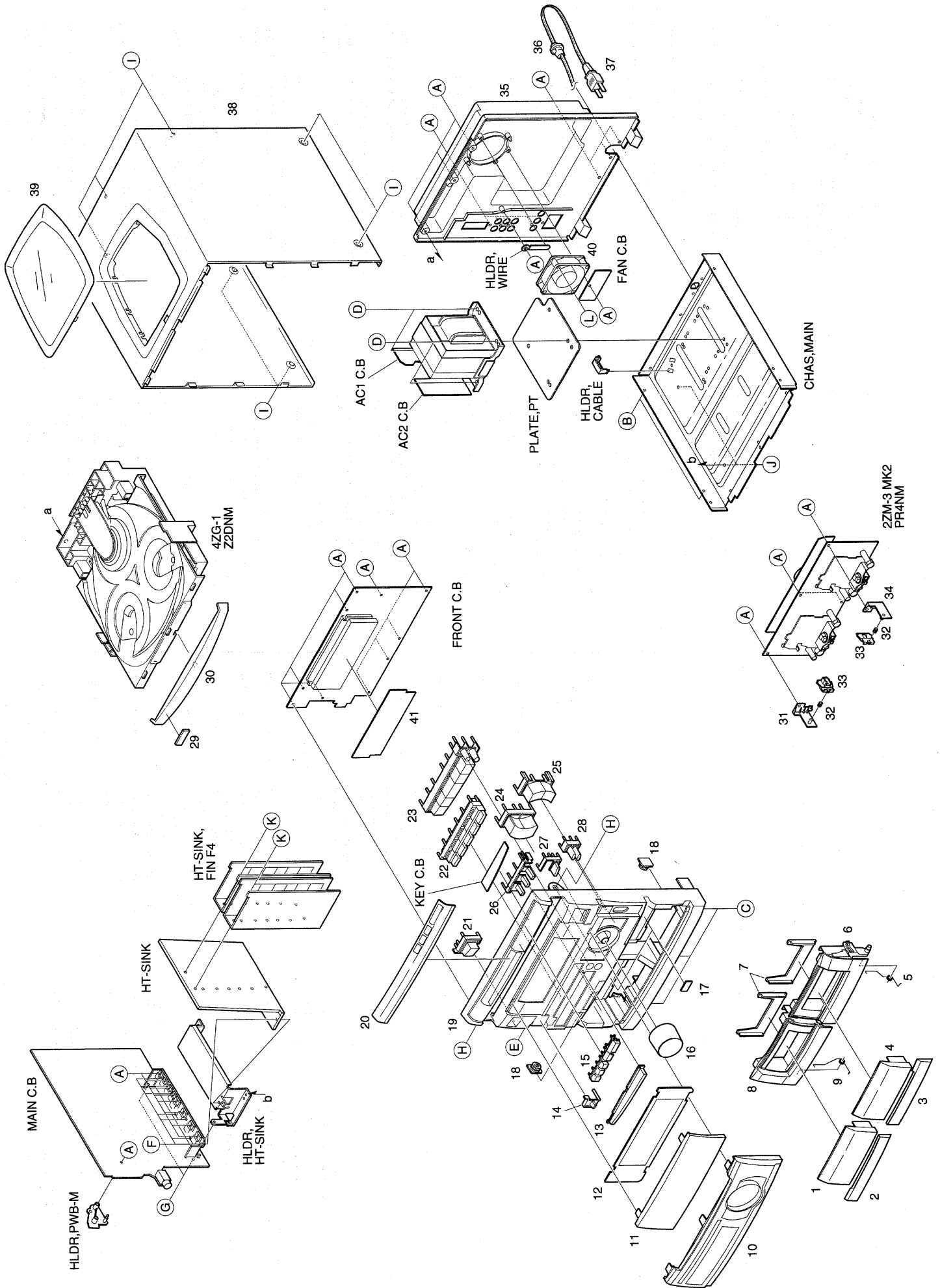
Sensitivity : 55dB $\pm$ 5dB
 (S/N 20 dB) [at 600kHz (U, LH)]
 [at 603kHz (HR)]
 53dB $\pm$ 5dB
 [at 1000 / 1400kHz (U, LH)]
 [at 999 / 1404kHz (HR)]
 Signal to noise ratio : More than 36dB
 [at 1000kHz (U, LH)]
 [at 999kHz (HR)]
 Distortion : Less than 1.5%
 [at 1000kHz (U, LH)]
 [at 999kHz (HR)]
 Auto stop level : 50dB +10/-15dB
 [at 1000kHz (U, LH)]
 [at 999kHz (HR)]
 Intermediate frequency : 450kHz

<SW SECTION> (HR only)

Sensitivity : 38dB $\pm$ 6dB [at 5.9MHz]
 (S/N 20dB) 33dB $\pm$ 5dB [at 12.0MHz]
 30dB $\pm$ 8dB [at 17.9MHz]
 Signal to noise ratio : More than 34dB [at 12.0MHz]

<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

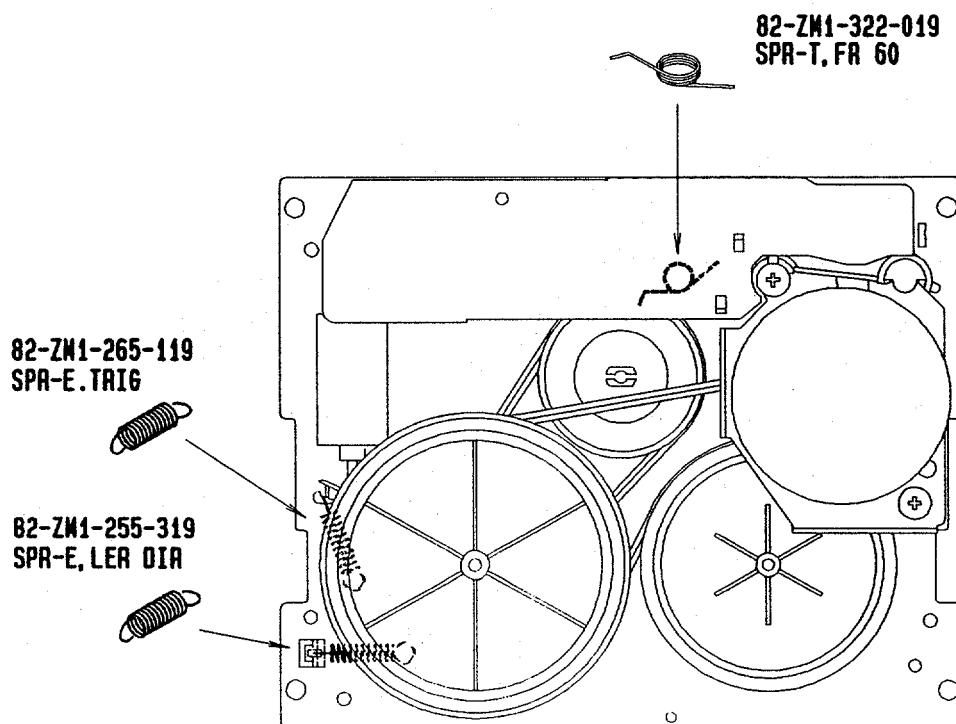
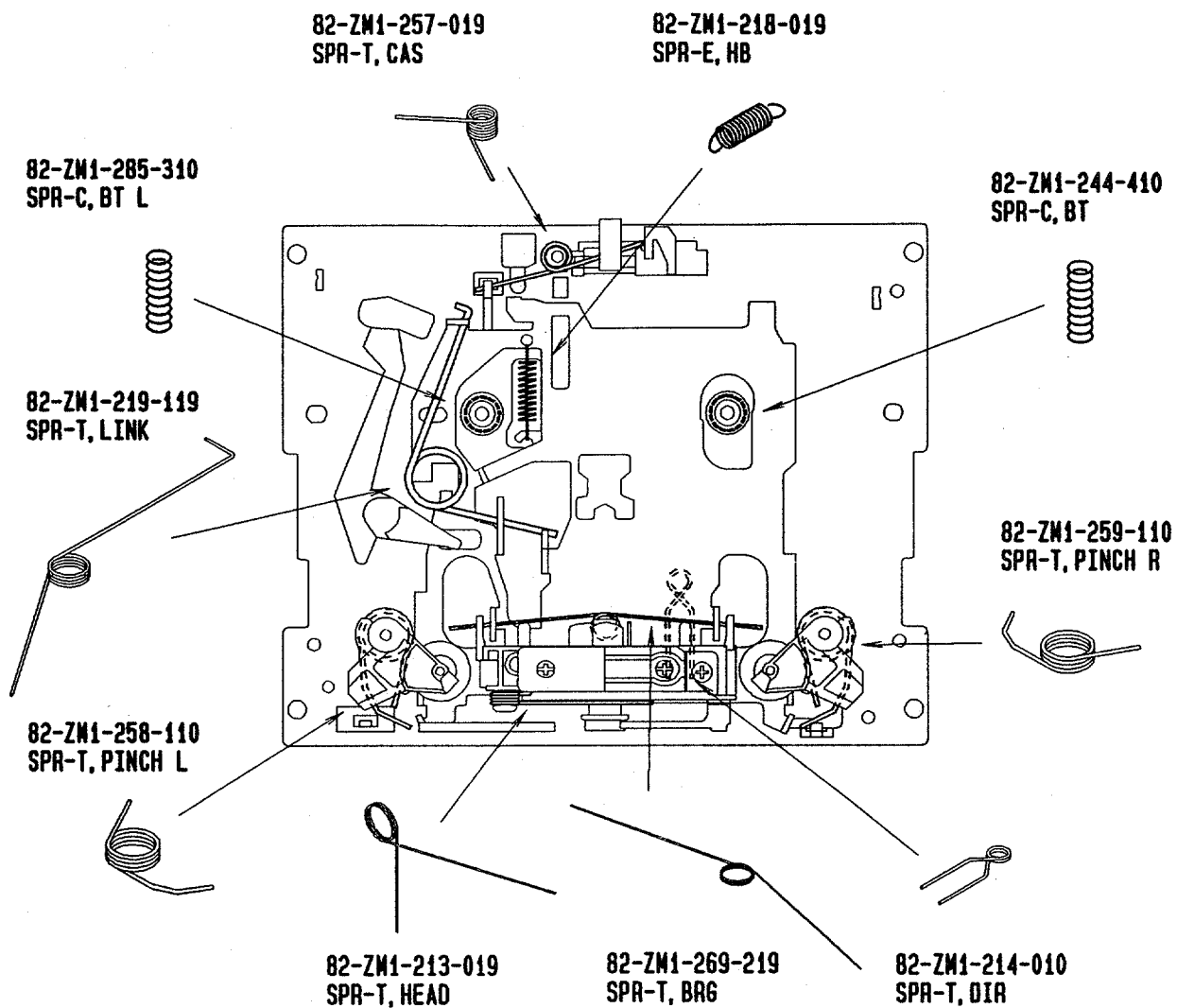


MECHANICAL PARTS LIST 1 / 1

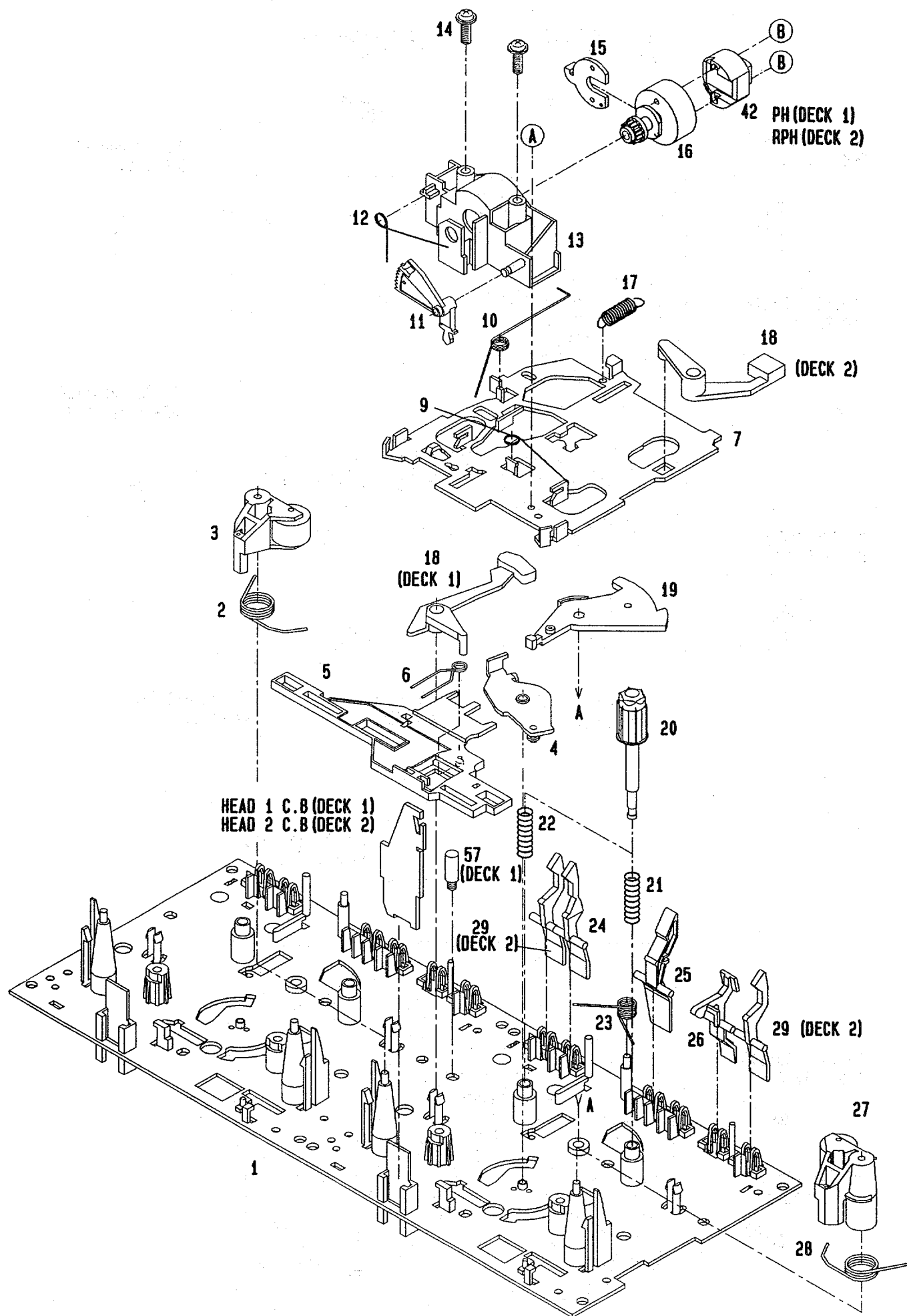
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

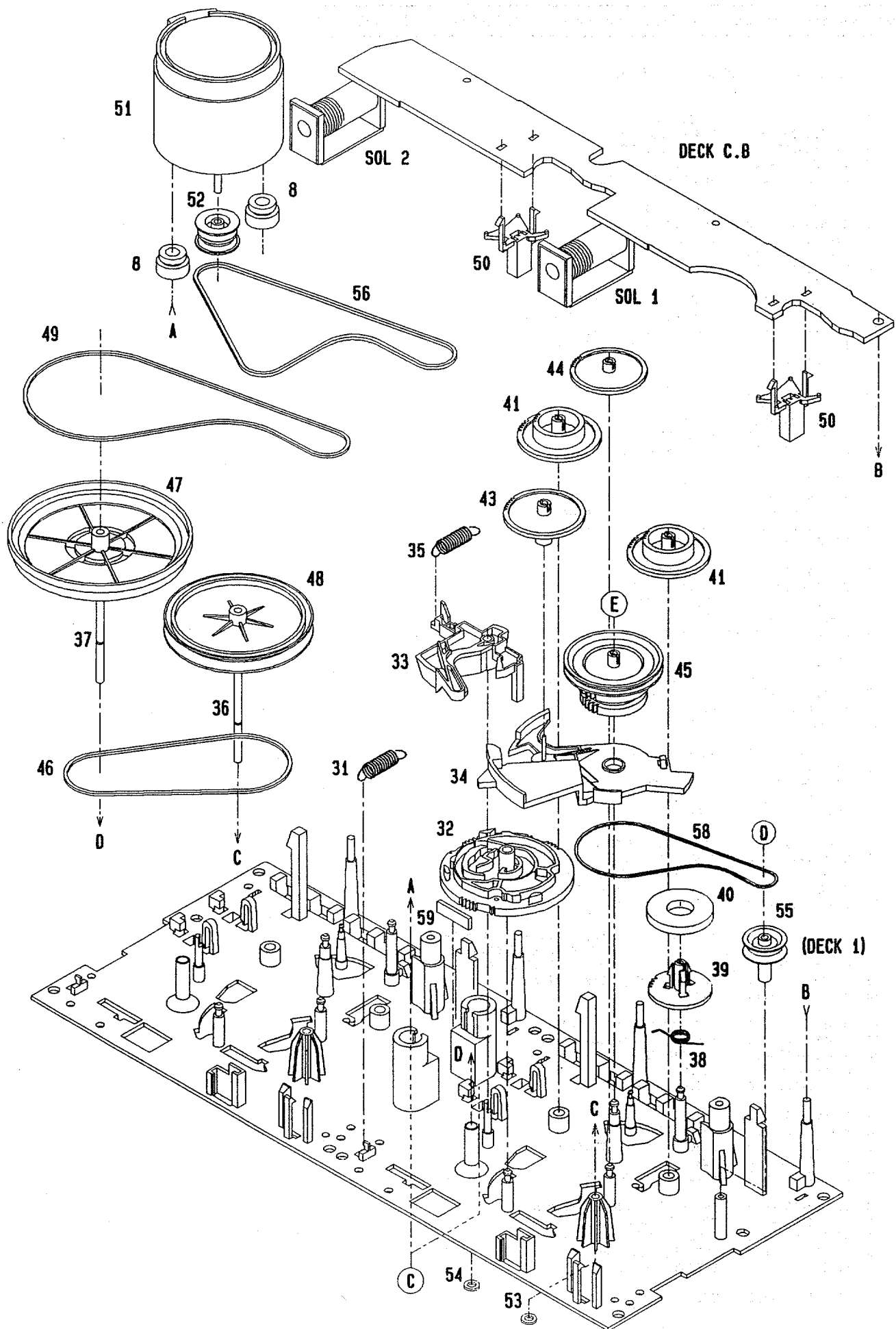
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NF4-034-010		WINDOW, CASS 1
2	87-NF4-032-010		PANEL, CASS 1H
3	87-NF4-033-010		PANEL, CASS 2H
4	87-NF4-035-010		WINDOW, CASS 2
5	82-NF5-219-010		SPR-T, EJECT 2(SIN)
6	87-NF4-005-010		BOX, CASS 2
7	86-NF6-061-010		REFLECTOR, CASS
8	87-NF4-004-010		BOX, CASS 1
9	82-NF5-218-010		SPR-T, EJECT 1(SIN)
10	87-NF4-031-010		PANEL, FR H
11	87-NF4-038-010		WINDOW, DISPLAY H<90LH, 94HR>
11	87-NF4-081-010		WINDOW, DISPLAY LH S94<94LH>
11	87-NF4-039-010		WINDOW, DISPLAY U<92U>
11	87-NF4-078-010		WINDOW, DISPLAY U 94<94U>
12	87-NF4-080-010		PLATE, DISP
13	87-NF4-042-010		PANEL, OPE
14	87-NF4-036-010		KEY, DEMO
15	87-NF4-007-010		KEY, CD
16	87-NF4-028-010		KNOB, RTRY VOL
17	81-532-080-010		LBL, CASS-COMPT
18	87-063-165-010		OIL-DMPR, 150
19	87-NF4-001-010		CABI, FR H<94HR>
19	87-NF4-074-010		CABI, FR LH<94LH, 90LH>
19	87-NF4-002-010		CABI, FR U<92U, 94U>
20	87-NF4-037-010		WINDOW, CD
21	87-NF4-008-010		KEY, POWER
22	87-NF4-020-010		KEY, ASSY FUN
23	87-NF4-027-010		KEY, ASSY OPE
24	87-NF4-009-010		KEY, GEQ
25	87-NF4-010-010		KEY, BBE
26	87-NF4-012-010		KEY, DOLBY
27	87-NF4-045-010		KEY, KARAOKE<94HR>
27	87-NF4-046-010		KEY, VF U<EXCEPT 94HR>
28	87-NF4-011-010		KEY, VOL
29	82-NE6-067-010		BADGE, AIWA 30N
30	87-NF4-029-010		PANEL, TRAY H
31	87-NF4-216-010		HLDR, LOCK 1
32	82-NF5-228-010		SPR-C, LOCK
33	82-NF5-229-010		PLATE, LOCK
34	87-NF4-217-010		HLDR, LOCK 2
35	87-NF4-053-010		CABI, REAR HRJSTNM<94HR>
35	87-NF4-055-010		CABI, REAR LHSTNM<90LH>
35	87-NF4-059-010		CABI, REAR LHSTNM S94<94LH>
35	87-NF4-051-010		CABI, REAR USTNM<92U>
35	87-NF4-058-010		CABI, REAR USTNM 94<94U>
36	87-085-185-010		BUSHING, AC CORD(E)CM-22B<94LH, 90LH, 94HR>
36	87-085-189-010		BUSHING, AC CORD(U)CM-22C<92U, 94U>
37	87-050-079-010		AC CORD ASSY, E BLK<94LH, 90LH, 94HR>
37	87-050-053-010		AC CORD ASSY, U-2<92U, 94U>
38	86-NFT-005-110		CABI, STEEL TS
39	86-NF6-007-010		WINDOW, TOP<EXCEPT 94U>
39	86-NF6-101-010		WINDOW, TOP UL<94U>
40	87-A90-463-010		FAN, 2408NL
41	87-NF4-079-010		PLATE, FL J
A	87-067-703-010		BVT2+3-10 W/O SLOT
B	87-591-094-410		QIT+3-6
C	87-067-688-010		BVTT+3-6
D	87-067-975-010		S-SCREW, IT+4-8 SWCH12A
E	87-721-096-410		QT2+3-10 W/O SLOT
F	87-067-758-010		BVT2+3-12 W/O SLOT
G	87-067-633-010		BVT2+3-8 W/O SLOT W/CONVEX
H	87-721-097-410		QT2+3-12 W/O SLOT
I	87-067-641-010		UTT2+3-8 W/O SLOT BLK
J	87-067-584-010		BVT2+3-6 W/O SLOT
K	87-067-690-010		BVIT3B+3-12 BLK
L	87-571-104-410		VIT+3-30

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		HLDR, 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		HLDR, 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				

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-NF4-901-010		IB, H(ECA)M<94HR>
1	87-NF4-902-010		IB, LH(ES)M<94LH, 90LH>
1	87-NF4-903-010		IB, U(ESF)M<92U, 94U>
2	87-NF4-655-010		RC UNIT, RC-7AS08
3	87-A90-312-010		PLUG, CONVERSION WTN-1157R1<94LH, 90LH, 94HR>
4	87-A90-064-010		FEEDER-ANT, FM (SHS)
5	87-A90-054-010		ANT, LOOP AM-CON C<94HR>
5	87-006-225-010		ANT, LOOP ANT NC2<EXCEPT 94HR>
6	87-043-095-010		ANT, WIRE<94HR>

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- -	

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