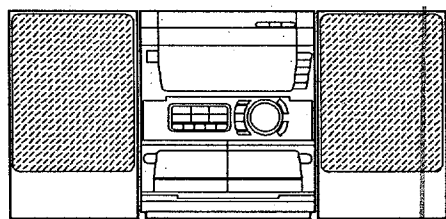


aiwa



NSX-A71 NSX-S70 NSX-S74



COMPACT DISC STEREO
CASSETTE RECEIVER

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

- TYPE : 71U, 70LH, 74LH

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-A71	CX-NA71 (TYPE : U)	SX-FNA71	RC - 7AS08
NSX-S70	CX-NS70 (TYPE : LH)	SX-ANS70	
NSX-S74	CX-NS74 (TYPE : LH)	SX-NS74 SX-R240	

- 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-FNA71, SX-ANS70, SX-NS74, SX-R240. S/M Code No. 09-974-182-6FP.

SPECIFICATIONS

<FM Tuner section>

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

<MW Tuner section>

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

<Amplifier section>

Power output	71U : Rated 100 W + 100 W (50Hz - 20kHz, T.H.D. less than 1%, 6 ohms) 70LH, 74LH : Rated 150 W + 150 W (6 ohms, T.H.D. 10%, 1kHz)
Total harmonic distortion	71U : 0.05% (90 W, 1 kHz, 6 ohms, DIN AUDIO) 70LH, 74LH : 0.05% (110 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX : 210 mV(adjustable) MD : 210mV (adjustable) MIC 1, MIC 2: 1.4mV (10 kohms)
Outputs	LINE OUT: 200mV 71U : SUPER WOOFER: 2.4 V 70LH, 74LH : SUPER WOOFER: 2.7 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	CRo, tape: 50 Hz - 16000 Hz Normal tape: 50 Hz - 15000 Hz
Signal-to noise ratio	60 dB (Dolby B NR ON, CrO ₂ 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 ($\lambda = 780 \text{ nm}$)
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

<Speaker system SX-FNA71 (For NSX-A71)>

Cabinet type	3 way, bass reflex with surround speaker (magnetic shielded type)
Speakers	Woofer : 160 mm (6 ³ / ₈ in.) cone type Tweeter : 80 mm (3 ¹ / ₄ in.) cone type Super tweeter: 20 mm (1 ³ / ₁₆ in.) ceramic type Surround speaker : 80 mm (3 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 304 x 288mm (9 ⁷ / ₈ x 12 x 11 ³ / ₈ in.)
Weight	3.6 kg (7 lbs 15 oz.)

<Speaker system SX-ANS70 (For NSX-S70)>

Cabinet type	4 way, bass reflex with surround speaker (magnetic shielded type)
Speakers	Woofer : 160 mm cone type Tweeter : 50 mm cone type Super tweeter : 20 mm ceramic type Cardioid speaker : 80 mm cone type Surround speaker : 80 mm
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 310 x 280 mm
Weight	4.5 kg

<Speaker system SX-NS74 (For NSX-S74)>

Cabinet type	3 way, bass reflex (magnetic shielded type)
Speakers	Woofer : 160 mm cone type Tweeter : 80 mm cone type Super tweeter: 20 mm ceramic type
Impedance	6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	243 x 304 x 227mm
Weight	3.6 kg
<General>	
Power requirements	71U : 120 VAC, 60 Hz 70LH, 74LH : 120 V/220-230V/240 V AC switchable, 50/60 Hz
Power consumption	71U : 115 W 70LH, 74LH : 170 W
Dimensions of main unit (W x H x D)	71U : 260 x 309 x 362.5 mm (10 ¹ / ₄ x 12 ¹ / ₄ x 14 ³ / ₈ in.) 70LH, 74LH : 260 x 309 x 363 mm
Weight of main unit	71U : 8.5 kg (18 lbs 12 oz.) 70LH, 74LH : 9 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.

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 käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

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.

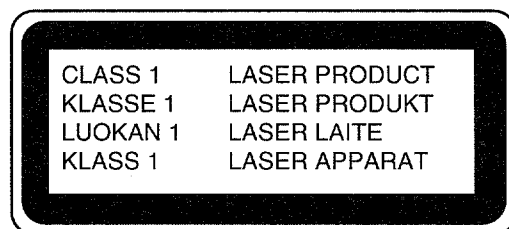
ATTENTION

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.

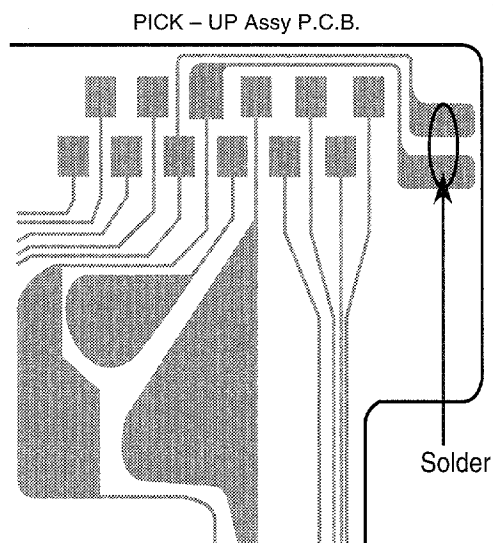


Precaution to replace Optical block

(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 figure below.



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				C112	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
	87-020-454-010		IC,DN6851	C113	87-010-247-080		CAP,E 100-50 M SME<71U>
	87-NF4-641-010		IC,LC866548V-5E15	C113	87-010-408-080		CAP,E 47-50 SME<74LH,70LH>
	87-A20-448-010		IC,PIC-21043TE3	C116	87-010-247-080		CAP,E 100-50 M SME<71U>
	87-A20-455-010		IC,HA12211	C116	87-010-408-080		CAP,E 47-50 SME<74LH,70LH>
	87-A20-355-010		IC,CXA1553P	C117	87-010-430-080		CAP,E 100-63
	87-A20-083-010		IC,BA3835S	C118	87-010-263-080		CAP,E 100-10 SME
	87-A20-450-040		C-IC,BH3864F	C119	87-010-260-080		CAP,E 47-25 SME
	87-A20-056-010		IC,BA3880S	C120	87-010-403-080		CAP,E 3.3-50 M SME
	87-A20-451-040		C-IC,BU9262FS	C121	87-012-140-080		C-CAP,S 470P-50 J CH
	87-A20-456-040		C-IC,BH3810FS	C122	87-010-263-080		CAP,E 100-10 SME<71U>
	87-017-888-080		C-IC,NJM4558MD	C123	87-010-382-080		CAP,E 22-25 M SME
	86-NFZ-655-010		IC,LC72131D(Z)	C124	87-010-112-080		CAP,E 100-16 M SME
	87-A20-438-010		IC,LA1837	C125	87-010-235-080		CAP,E 470-16 SME
				C129	87-010-393-080		CAP,E 100-35 M SME
TRANSISTOR				C201	87-010-400-080		CAP,E 0.47-50 M SME
	87-026-263-080		C-TR,RN1410	C202	87-010-400-080		CAP,E 0.47-50 M SME
	89-213-702-010		TR,2SB1370E	C205	87-010-181-080		C-CAP,S 1800P-50 K B
	87-A30-076-080		C-TR,2SC3052F	C206	87-010-181-080		C-CAP,S 1800P-50 K B
	87-A30-075-080		C-TR,2SA1235F	C207	87-010-404-080		CAP,E 4.7-50 M SME
	87-026-610-080		TR,KTC3198GR	C208	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-073-080		C-TR,RT1N 141C	C209	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-085-070		C-TR,CSA1362GR	C210	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-083-080		TR,CSD1489B	C211	87-010-186-080		C-CAP,S 4700P-50 K B
	87-A30-084-080		TR,CSB1058B	C212	87-010-186-080		C-CAP,S 4700P-50 K B
	87-A30-071-080		C-TR,RT1N 144C	C213	87-010-260-080		CAP,E 47-25 SME
	87-026-609-080		TR,KTA1266GR	C214	87-010-260-080		CAP,E 47-25 SME
	87-A30-086-070		C-TR,CSD1306E	C215	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
	87-A30-106-070		C-TR,CMBT5551	C219	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<71U>
	87-A30-111-080		TR,C2N5401	C219	87-012-368-080		C-CAP,S 0.1-50 FZ<74LH,70LH>>
	87-A30-097-010		TR,FM1016	C220	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<71U>
	87-A30-098-010		TR,FP1016	C220	87-012-368-080		C-CAP,S 0.1-50 FZ<74LH,70LH>>
	87-A30-089-010		FET,2SK2723	C221	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<71U>
	87-A30-072-080		C-TR,RT1P 144C	C221	87-012-368-080		C-CAP,S 0.1-50 FZ<74LH,70LH>>
	87-A30-087-080		C-FET,2SK2158	C222	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<71U>
	87-A30-074-080		C-TR,RT1P 141C	C222	87-012-368-080		C-CAP,S 0.1-50 FZ<74LH,70LH>>
	89-327-143-080		C-TR,2SC2714 (O)	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
DIODE				C243	87-010-197-080		C-CAP,S 0.01-25 K B
	87-017-654-060		DIODE,GBU6JL6131	C244	87-010-406-080		CAP,E 22-50 M SME
	87-017-437-080		DIODE,1N4148M	C301	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A40-269-080		C-DIODE,MC2836	C302	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A40-270-080		C-DIODE,MC2838	C303	87-012-157-080		C-CAP,S 330P-50 J CH GRM
	87-070-274-080		DIODE,1N4003 SEM	C304	87-012-157-080		C-CAP,S 330P-50 J CH GRM
	87-A40-205-080		ZENER,UZ6.2BSC	C305	87-012-145-080		C-CAP,S 270P-50 J CH
	87-A40-211-080		ZENER,UZ36BSA	C306	87-012-145-080		C-CAP,S 270P-50 J CH
	87-A40-206-080		ZENER,UZ10BSC	C307	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
	87-A40-202-080		ZENER,UZ5.1BSB	C311	87-010-198-080		C-CAP,S 0.022-25 K B
	87-A40-184-090		DIODE,RK34(F)	C312	87-010-198-080		C-CAP,S 0.022-25 K B
	87-A40-246-080		DIODE,1N4148T-72	C313	87-010-180-080		C-CAP,S 1500P-50 K B
	87-017-481-080		ZENER,UZ-5.6BSB	C314	87-010-180-080		C-CAP,S 1500P-50 K B
	87-A40-192-080		ZENER,UZ4.3BSA	C315	87-010-178-080		C-CAP,S 1000P-50 K B
	87-A40-239-080		ZENER,UZ5.6BSA	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
C101	87-A10-059-090		CAP,E 3300-75	C322	87-012-141-080		C-CAP,S 0.22-16 Z F
C102	87-A10-059-090		CAP,E 3300-75	C324	87-010-260-080		CAP,E 47-25 SME
C103	87-016-658-090		CAP,E 4700-35 M SMG	C325	87-010-370-080		CAP,E 330-6.3 M SME
C104	87-016-658-090		CAP,E 4700-35 M SMG	C327	87-010-404-080		CAP,E 4.7-50 M SME
C105	87-012-368-080		C-CAP,S 0.1-50 Z F	C328	87-010-404-080		CAP,E 4.7-50 M SME
C106	87-012-368-080		C-CAP,S 0.1-50 Z F	C332	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C107	87-012-368-080		C-CAP,S 0.1-50 Z F	C335	87-010-401-080		CAP,E 1-50 M SME
C108	87-012-368-080		C-CAP,S 0.1-50 Z F	C336	87-010-401-080		CAP,E 1-50 M SME
C109	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C337	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	C339	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				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C340	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C723	87-010-178-080		C-CAP,S 1000P-50 K B
C351	87-012-140-080		C-CAP,S 470P-50 J CH	C725	87-010-178-080		C-CAP,S 1000P-50 K B
C352	87-012-140-080		C-CAP,S 470P-50 J CH	C727	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C354	87-010-175-080		C-CAP,S 560P-50 J SL	C728	87-010-248-080		CAP,E 220-10 SME
C355	87-010-178-080		C-CAP,S 1000P-50 K B	C755	87-010-197-080		C-CAP,S 0.01-25 K B
C356	87-010-260-080		CAP,E 47-25 SME	C756	87-010-197-080		C-CAP,S 0.01-25 K B
C357	87-010-197-080		C-CAP,S 0.01-25 K B	C757	87-010-318-080		C-CAP,S 47P-50 J CH
C358	87-010-183-080		C-CAP,S 2700P-50 K B	C758	87-010-149-080		C-CAP,S 5P-50 CH
C359	87-010-183-080		C-CAP,S 2700P-50 K B	C761	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C360	87-010-183-080		C-CAP,S 2700P-50 K B	C762	87-010-197-080		C-CAP,S 0.01-25 K B
C370	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C763	87-010-194-080		C-CAP,S 0.047-25 Z F
C371	87-010-179-080		C-CAP,S 1200P-50 K B	C765	87-010-197-080		C-CAP,S 0.01-25 K B
C372	87-010-179-080		C-CAP,S 1200P-50 K B	C766	87-010-197-080		C-CAP,S 0.01-25 K B
C373	87-010-179-080		C-CAP,S 1200P-50 K B	C767	87-010-405-080		CAP,E 10-50 M SME
C374	87-010-179-080		C-CAP,S 1200P-50 K B	C768	87-010-197-080		C-CAP,S 0.01-25 K B
C375	87-010-545-080		CAP,E 0.22-50 M SME	C769	87-010-408-080		CAP,E 47-50 SME
C376	87-010-545-080		CAP,E 0.22-50 M SME	C770	87-015-821-080		C-CAP,S 0.01-25 K B
C378	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C771	87-010-407-080		CAP,E 33-50 SME
C381	87-010-197-080		C-CAP,S 0.01-25 K B	C772	87-010-194-080		C-CAP,S 0.047-25 Z F
C382	87-010-318-080		C-CAP,S 47P-50 J CH	C773	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C383	87-010-197-080		C-CAP,S 0.01-25 K B	C774	87-010-263-080		CAP,E 100-10 SME
C384	87-010-402-080		CAP,E 2.2-50 M SME	C775	87-010-404-080		CAP,E 4.7-50 M SME
C385	87-010-184-080		C-CAP,S 3300P-50 K B	C776	87-010-197-080		C-CAP,S 0.01-25 K B
C386	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C777	87-010-400-080		CAP,E 0.47-50 M SME
C388	87-010-154-080		C-CAP,S 10P-50 D CH	C778	87-010-401-080		CAP,E 1-50 M SME
C401	87-010-187-080		C-CAP,S 5600P-50 K B	C779	87-010-401-080		CAP,E 1-50 M SME
C402	87-010-187-080		C-CAP,S 5600P-50 K B	C780	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C403	87-010-405-080		CAP,E 10-50 M SME	C781	87-010-405-080		CAP,E 10-50 M SME
C404	87-010-405-080		CAP,E 10-50 M SME	C782	87-010-405-080		CAP,E 10-50 M SME
C405	87-010-260-080		CAP,E 47-25 SME	C783	87-015-819-080		C-CAP,0.01-50 K B
C406	87-010-101-080		CAP,E 220-16 SME	C784	87-010-197-080		C-CAP,S 0.01-25 K B
C407	87-010-188-080		C-CAP,S 6800P-50 K B	C785	87-010-400-080		CAP,E 0.47-50 M SME
C408	87-010-188-080		C-CAP,S 6800P-50 K B	C786	87-010-400-080		CAP,E 0.47-50 M SME
C409	87-012-140-080		C-CAP,S 470P-50 J CH	C787	87-010-184-080		C-CAP,S 3300P-50 K B
C410	87-012-140-080		C-CAP,S 470P-50 J CH	C788	87-010-184-080		C-CAP,S 3300P-50 K B
C411	87-010-197-080		C-CAP,S 0.01-25 K B	C789	87-010-179-080		C-CAP,S 1200P-50 K B
C412	87-010-197-080		C-CAP,S 0.01-25 K B	C790	87-010-179-080		C-CAP,S 1200P-50 K B
C413	87-010-195-080		C-CAP,S 0.068-25 Z F C2012	C791	87-010-405-080		CAP,E 10-50 M SME
C414	87-010-195-080		C-CAP,S 0.068-25 Z F C2012	C793	87-010-178-080		C-CAP,S 1000P-50 K B
C415	87-010-404-080		CAP,E 4.7-50 M SME	C794	87-010-406-080		CAP,E 22-50 M SME
C416	87-010-404-080		CAP,E 4.7-50 M SME	C795	87-010-596-080		C-CAP,S 0.047-16 K R
C417	87-010-404-080		CAP,E 4.7-50 M SME	C796	87-010-403-080		CAP,E 3.3-50 M SME
C418	87-010-404-080		CAP,E 4.7-50 M SME	C797	87-010-182-080		C-CAP,S 2200P-50 K B
C421	87-010-401-080		CAP,E 1-50 M SME	C798	87-010-182-080		C-CAP,S 2200P-50 K B
C422	87-010-401-080		CAP,E 1-50 M SME	C799	87-010-194-080		C-CAP,S 0.047-25 Z F
C516	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C812	87-010-197-080		C-CAP,S 0.01-25 K B
C605	87-010-180-080		C-CAP,S 1500P-50 K B	C814	87-010-197-080		C-CAP,S 0.01-25 K B
C606	87-010-180-080		C-CAP,S 1500P-50 K B	C820	87-010-408-080		CAP,E 47-50 SME
C611	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C821	87-010-197-080		C-CAP,S 0.01-25 K B
C613	87-010-404-080		CAP,E 4.7-50 M SME	C822	87-010-197-080		C-CAP,S 0.01-25 K B
C614	87-010-404-080		CAP,E 4.7-50 M SME	C823	87-010-197-080		C-CAP,S 0.01-25 K B
C615	87-010-183-080		C-CAP,S 2700P-50 K B	C828	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C619	87-010-263-080		CAP,E 100-10 SME	C829	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C620	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
C621	87-010-263-080		CAP,E 100-10 SME	C960	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C622	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
C623	87-010-194-080		C-CAP,S 0.047-25 Z F	CF801	87-008-261-010		FLTR,CFSFE10.7MA5
C629	87-012-368-080		C-CAP,S 0.1-50 FZ<74LH,70LH>	CF802	87-008-261-010		FLTR,CFSFE10.7MA5
C646	87-010-322-080		C-CAP,S 100P-50 J CH	FFE801	A8-7ZA-290-030		7ZA-2 FEUMM
C647	87-010-322-080		C-CAP,S 100P-50 J CH	J252	87-A60-024-010		JACK,DIA6.3 BLK ST W/SW KM
C701	87-010-381-080		CAP,E 330-16 SME	J253	87-099-474-010		JACK,PIN 3P BLK W/SW
C702	87-010-404-080		CAP,E 4.7-50 M SME	J254	87-A60-238-010		TERMINAL,SP 4P (MSC)
C703	87-010-197-080		C-CAP,S 0.01-25 K B	J601	87-A60-330-010		JACK,PIN 6P YKC21-3174
C704	87-010-197-080		C-CAP,S 0.01-25 K B	J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02
C711	87-010-263-080		CAP,E 100-10 SME	L201	87-003-383-010		COIL,1UH K
C712	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	L202	87-003-383-010		COIL,1UH K
C713	87-010-197-080		C-CAP,S 0.01-25 K B	L301	87-A50-049-010		COIL,TRAP 85K(COI)
C714	87-010-197-080		C-CAP,S 0.01-25 K B	L302	87-A50-049-010		COIL,TRAP 85K(COI)
C721	87-010-312-080		C-CAP,S 15P-50 J CH	L351	87-007-342-010		COIL,OSC 85KHZ BIAS
C722	87-010-312-080		C-CAP,S 15P-50 J CH	L601	87-003-231-080		C-COIL,2125 1UH<74LH,70LH>

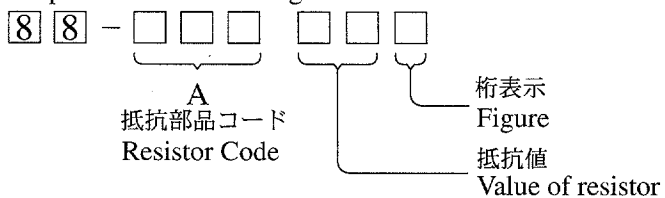
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L770	87-005-849-080		COIL,10UH K CECS	LED203	87-A40-317-080		LED,SLR-342VCT31 RED
L771	87-A50-165-010		COIL,FM DET-N(TOK)	LED204	87-A40-317-080		LED,SLR-342VCT31 RED
L772	87-A90-245-010		FLTR,CFAZH-450 (TOK)	LED205	87-A40-317-080		LED,SLR-342VCT31 RED
L791	87-003-293-010		COIL, TRAP MPX	LED206	87-A40-316-080		LED,SLR-56PCT31 GRN
L792	87-003-293-010		COIL, TRAP MPX	LED207	87-A40-316-080		LED,SLR-56PCT31 GRN
L832	87-005-847-080		COIL,2.2UH K CECS	LED208	87-A40-316-080		LED,SLR-56PCT31 GRN
L981	87-NF4-650-010		COIL,AM PACK4N(TOK)	LED209	87-A40-316-080		LED,SLR-56PCT31 GRN
⚠ PR201	87-026-691-080		FUSE,10A 125V 251<71U>	LED210	87-A40-316-080		LED,SLR-56PCT31 GRN
⚠ PR201	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH>	LED211	87-A40-316-080		LED,SLR-56PCT31 GRN
⚠ PR202	87-026-691-080		FUSE,10A 125V 251<71U>	LED212	87-A40-316-080		LED,SLR-56PCT31 GRN
⚠ PR202	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH>	LED213	87-A40-316-080		LED,SLR-56PCT31 GRN
R123	87-022-200-080		RES,M/F 0.56-1W J<71U>	LED214	87-A40-316-080		LED,SLR-56PCT31 GRN
R231	87-A00-262-080		RES,M/F 0.15-2W J	LED215	87-A40-316-080		LED,SLR-56PCT31 GRN
R232	87-A00-262-080		RES,M/F 0.15-2W J	LED216	87-A40-263-080		LED,SLH-56PCT31 GRN
RY101	87-045-389-010		RELAY,12V OSA-SS-212DM5	LED217	87-A40-263-080		LED,SLH-56PCT31 GRN
RY201	87-045-382-010		RELAY,12V OUAZ-SH-112L	LED218	87-A40-263-080		LED,SLH-56PCT31 GRN
SFR301	87-024-435-080		SFR,33K H RH063MC	LED219	87-A40-263-080		LED,SLH-56PCT31 GRN
SFR302	87-024-435-080		SFR,33K H RH063MC	LED220	87-A40-263-080		LED,SLH-56PCT31 GRN
SFR303	87-024-435-080		SFR,33K H RH063MC	LED221	87-A40-263-080		LED,SLH-56PCT31 GRN
SFR304	87-024-435-080		SFR,33K H RH063MC	LED233	87-A40-265-010		LED,SLH-56PCL GRN
SFR305	87-024-436-080		SFR,47K H RH063MC	LED234	87-A40-265-010		LED,SLH-56PCL GRN
SFR306	87-024-436-080		SFR,47K H RH063MC	LED235	87-A40-267-010		LED,SLH-56VCL RED
SFR351	87-024-436-080		SFR,47K H RH063MC	LED236	87-A40-267-010		LED,SLH-56VCL RED
SFR352	87-024-436-080		SFR,47K H RH063MC	LED237	87-A40-265-010		LED,SLH-56PCL GRN
TH201	87-A90-221-080		C-THMS,100K<74LH,70LH>	LED238	87-A40-265-010		LED,SLH-56PCL GRN
TH202	87-A90-221-080		C-THMS,100K<74LH,70LH>	S301	87-A90-095-080		SW,TACT EVQ11G04M
W1	85-NF5-628-010		F-CABLE,7P-2.5	S302	87-A90-095-080		SW,TACT EVQ11G04M
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309	S303	87-A90-095-080		SW,TACT EVQ11G04M
				S304	87-A90-095-080		SW,TACT EVQ11G04M
				S305	87-A90-095-080		SW,TACT EVQ11G04M
FRONT C.B				S306	87-A90-095-080		SW,TACT EVQ11G04M
C103	87-010-197-080		C-CAP,S 0.01-25 K B	S307	87-A90-095-080		SW,TACT EVQ11G04M
C104	87-010-312-080		C-CAP,S 15P-50 J CH	S308	87-A90-095-080		SW,TACT EVQ11G04M
C105	87-010-316-080		C-CAP,S 33P-50 J CH	S314	87-A90-095-080		SW,TACT EVQ11G04M
C106	87-010-320-080		C-CAP,S 68P-50 J CH	S315	87-A90-095-080		SW,TACT EVQ11G04M
C107	87-012-157-080		C-CAP,S 330P-50 J CH GRM	S316	87-A90-095-080		SW,TACT EVQ11G04M
C108	87-010-560-040		CAP,E 10-50 M 5L MA	S317	87-A90-095-080		SW,TACT EVQ11G04M
C109	87-010-401-040		CAP,E 1-50 M SME	S318	87-A90-095-080		SW,TACT EVQ11G04M
C110	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S319	87-A90-095-080		SW,TACT EVQ11G04M
C111	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S320	87-A90-095-080		SW,TACT EVQ11G04M
C112	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S322	87-A90-095-080		SW,TACT EVQ11G04M
C113	87-A10-189-040		CAP,E 220-10 M	S328	87-A90-095-080		SW,TACT EVQ11G04M
C114	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S329	87-A90-095-080		SW,TACT EVQ11G04M
C115	87-010-178-080		C-CAP,S 1000P-50 K B	S330	87-A90-095-080		SW,TACT EVQ11G04M
C116	87-010-401-040		CAP,E 1-50 M SME	S331	87-A90-095-080		SW,TACT EVQ11G04M
C117	87-010-263-040		CAP,E 100-10 M SME	S332	87-A90-095-080		SW,TACT EVQ11G04M
C118	87-010-194-080		C-CAP,S 0.047-25 Z F	S336	87-A90-095-080		SW,TACT EVQ11G04M
C119	87-010-408-040		CAP,E 47-50 M SME	X101	87-A70-070-080		VIB,CER 5.76MHZ CRHF
C120	87-010-404-040		CAP,E 4.7-50 SME	CD KEY C.B			
C121	87-010-404-040		CAP,E 4.7-50 SME	S309	87-A90-095-080		SW,TACT EVQ11G04M
C122	87-010-194-080		C-CAP,S 0.047-25 Z F	S310	87-A90-095-080		SW,TACT EVQ11G04M
C123	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S311	87-A90-095-080		SW,TACT EVQ11G04M
C124	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S312	87-A90-095-080		SW,TACT EVQ11G04M
C125	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S313	87-A90-095-080		SW,TACT EVQ11G04M
C127	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	FAN C.B			
C128	87-010-178-080		C-CAP,S 1000P-50 K B	C130	87-010-401-080		CAP,E 1-50 M SME<74LH,70LH>
C351	87-012-158-080		C-CAP,S 390P-50 J CH GRM	C131	87-010-263-080		CAP,E 100-10 SME<74LH,70LH>
C352	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C132	87-010-380-080		CAP,E 47-16 M SME<74LH,70LH>
C353	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	AC2 C.B			
C354	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	⚠ PR1	87-026-691-080		FUSE,10A 125V 251<71U>
C355	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	⚠ PR1	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH>
C356	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	⚠ PR2	87-026-691-080		FUSE,10A 125V 251<71U>
C357	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	⚠ PR2	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH>
C605	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	⚠ PR5	87-026-691-080		FUSE,10A 125V 251<71U>
FB601	87-008-372-080		FLTR,EMIBL01 RN1				
FL101	87-NF5-611-010		FL,BJ530GK 7NF-5				
J601	87-A60-284-010		JACK,3.5MO (MSC)				
J602	87-A60-284-010		JACK,3.5MO (MSC)				
LED201	87-A40-317-080		LED,SLR-342VCT31 RED				
LED202	87-A40-317-080		LED,SLR-342VCT31 RED				

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION	REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
△ PR5	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH>	C518	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
△ PR6	87-026-691-080		FUSE,10A 125V 251<71U>	C602	87-010-186-080		C-CAP,S 4700P-50 K B
△ PR6	87-026-682-080		PROTECTOR,10A 491SERIES 60V<LH>	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
				C611	87-010-177-080		C-CAP,S 820P-50 J SL
AC1 C.B				S101	87-A90-535-010		SW,RTRY EC16B24304-W0 NON
△ FC1	87-033-147-010		FUSE CLAMP,MT-20<74LH,70LH>	S326	87-A90-095-080		SW,TACT EVQ11G04M
△ FC1	87-033-213-080		FUSE CLAMP,PFC5000<71U>	S327	87-A90-095-080		SW,TACT EVQ11G04M
△ FC2	87-033-147-010		FUSE CLAMP,MT-20<74LH,70LH>				
△ FC2	87-033-213-080		FUSE CLAMP,PFC5000<71U>	DECK C.B			
△ FC3	87-033-147-010		FUSE CLAMP,MT-20<74LH,70LH>	W001	82-ZM3-601-019		RBN,CORD,4P-75
△ FC4	87-033-147-010		FUSE CLAMP,MT-20<74LH,70LH>	SFR1	87-024-581-019		SFR,3.3K DIA 6H
△ F101	87-035-457-010		FUSE,3.15A 250V T218<74LH,70LH>	SOL1	82-ZM1-618-010		SOL ASSY, 27
△ F101	87-035-491-010		FUSE,6A 125V T237<71U>	SOL2	82-ZM1-618-010		SOL ASSY, 27
△ F102	87-035-457-010		FUSE,3.15A 250V T218<74LH,70LH>	SW1	87-A90-248-019		SW,MICRO ESE11SH2CXQ
△ PT101	87-NF5-605-010		PT,LH EI85-58 7NF-5<74LH,70LH>	SW2	87-A90-248-019		SW,MICRO ESE11SH2CXQ
△ PT101	87-NF5-601-010		PT,U EI85-58 7NF-5<71U>	SW3	87-A90-248-019		SW,MICRO ESE11SH2CXQ
△ SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301<74LH,70LH>	SW4	87-036-110-010		SW,MICRO SPPB62
△ T1	87-A60-317-010		TERMINAL, 1P MSC	SW5	87-036-110-010		SW,MICRO SPPB62
△ T2	87-A60-317-010		TERMINAL, 1P MSC	SW6	87-036-110-010		SW,MICRO SPPB62
AUDIO C.B				SW8	87-A90-248-019		SW,MICRO ESE11SH2CXQ
C405	87-010-401-040		CAP,E 1-50 M SME	SW9	87-036-110-010		SW,MICRO SPPB62
C406	87-010-401-040		CAP,E 1-50 M SME	CON502	87-099-756-019		CONN, 15P 9604 S F
C414	87-010-374-040		CAP,E 47-10 SME	HEAD-1 C.B			
C415	87-010-374-040		CAP,E 47-10 SME				
C418	87-010-405-040		CAP,E 10-50 M SME		85-ZM3-602-010		PWB,FLEX A
C512	87-010-374-040		CAP,E 47-10 SME	HEAD-2 C.B			
C513	87-010-404-040		CAP,E 4.7-50 SME				
C514	87-010-404-040		CAP,E 4.7-50 SME		85-ZM3-602-010		PWB,FLEX A
C519	87-010-263-040		CAP,E 100-10 M SME				
C533	87-010-545-080		CAP,E 0.22-50 M SME				
C601	87-010-405-040		CAP,E 10-50 M SME				
C603	87-010-405-040		CAP,E 10-50 M SME				
C604	87-010-382-040		CAP,E 22-25 SME				
C609	87-010-545-040		CAP,E 0.22-50 M SME				
C614	87-010-248-040		CAP,E 220-10 M SME				
FB401	87-008-372-080		FLTR,EMIBL01 RN1<71U>				
L501	87-005-212-080		COIL,220UH K EL0606				
RE 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				
C403	87-010-992-080		C-CAP,S 0.047-25 K B MK212				
C404	87-010-992-080		C-CAP,S 0.047-25 K B MK212				
C407	87-010-184-080		C-CAP,S 3300P-50 K B				
C408	87-010-184-080		C-CAP,S 3300P-50 K B				
C409	87-010-592-080		C-CAP,S 0.022-16 K R<71U,70LH>				
C410	87-010-592-080		C-CAP,S 0.022-16 K R<71U,70LH>				
C411	87-016-463-080		C-CAP, 0.33-16 K B C3216				
C412	87-016-463-080		C-CAP, 0.33-16 K B C3216				
C413	87-010-196-080		C-CAP,S 0.1-25 Z F C2012				
C416	87-010-196-080		C-CAP,S 0.1-25 Z F C2012				
C417	87-016-081-080		C-CAP,S 0.1-16 K R				
C419	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<71U>				
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	87-012-393-080		C-CAP,S 0.22-16 K W5R CM/CB				
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				
C511	87-010-196-080		C-CAP,S 0.1-25 Z F C2012				
C515	87-010-183-080		C-CAP,S 2700P-50 K B				
C516	87-010-183-080		C-CAP,S 2700P-50 K B				

○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)				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

KTA1266GR
KTC3198GR



E C B

CSD1489B
CSB1058B



E B C

C2N5401



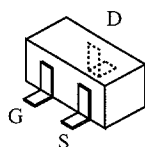
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FN1016
FP1016

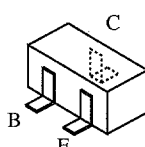


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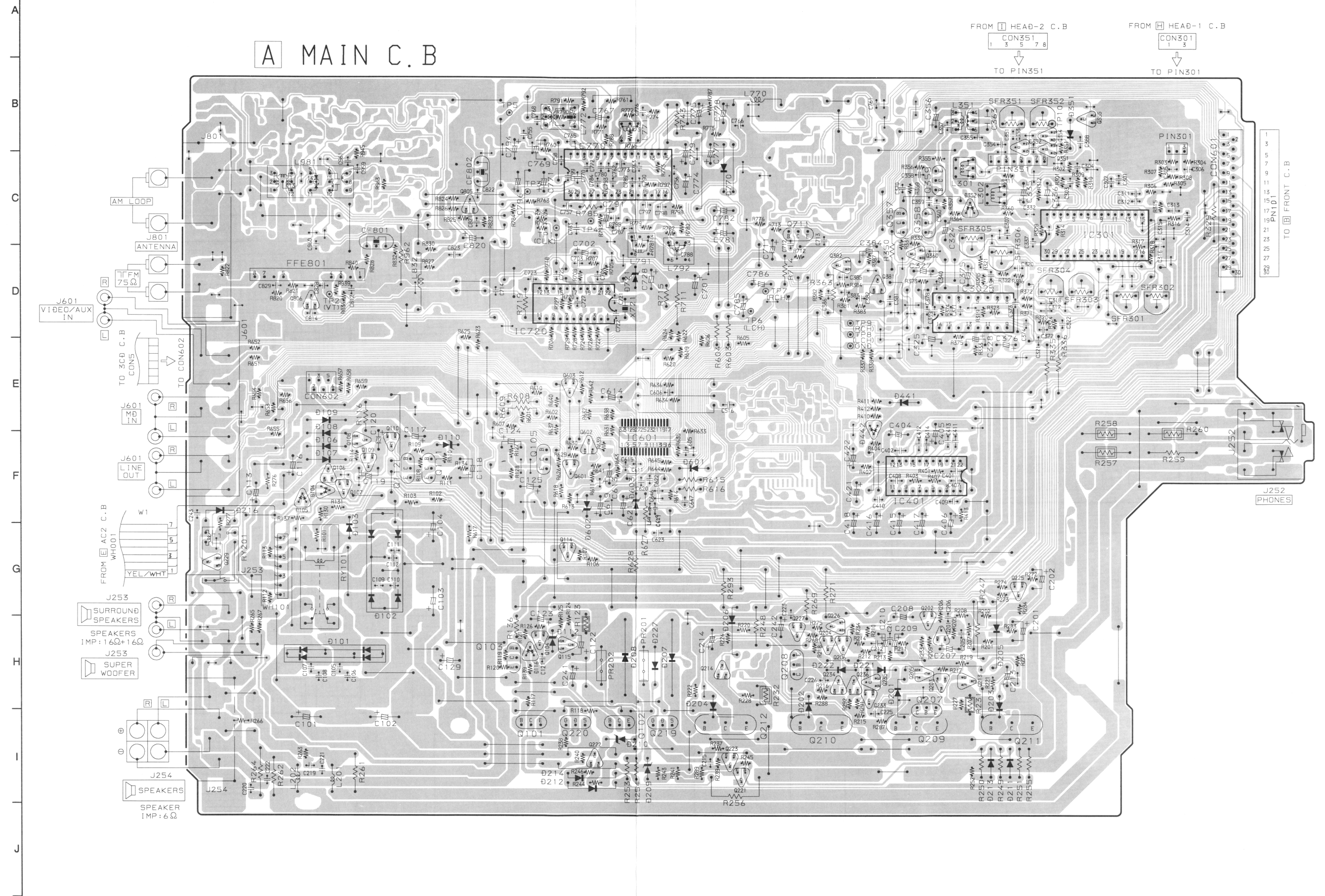


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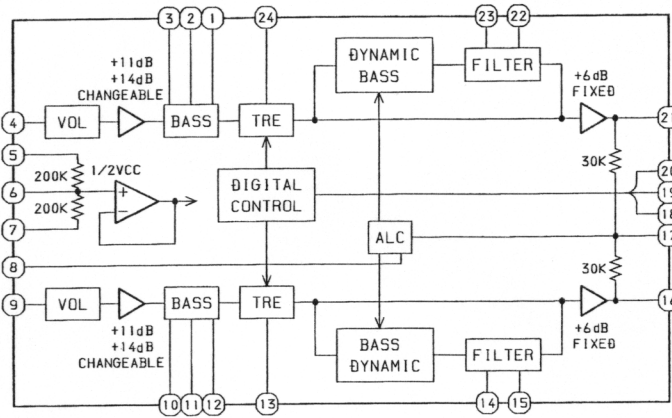
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RN1404
RT1N141C
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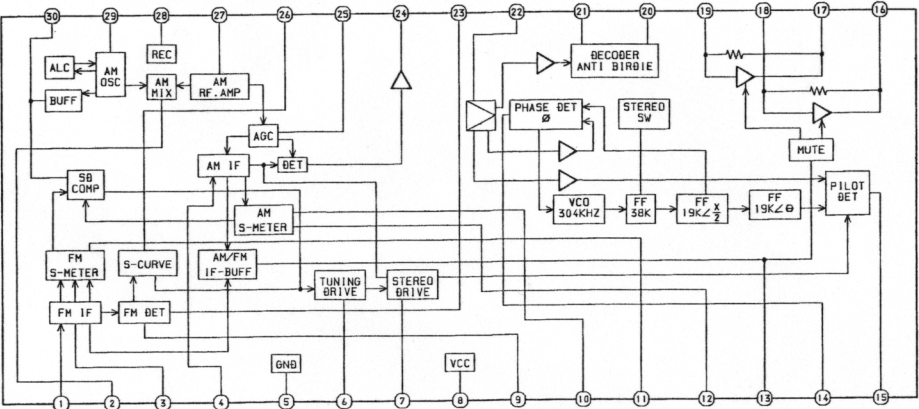


IC BLOCK DIAGRAM - 1

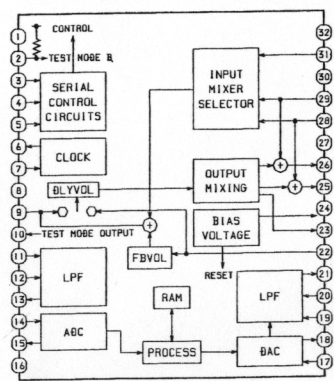
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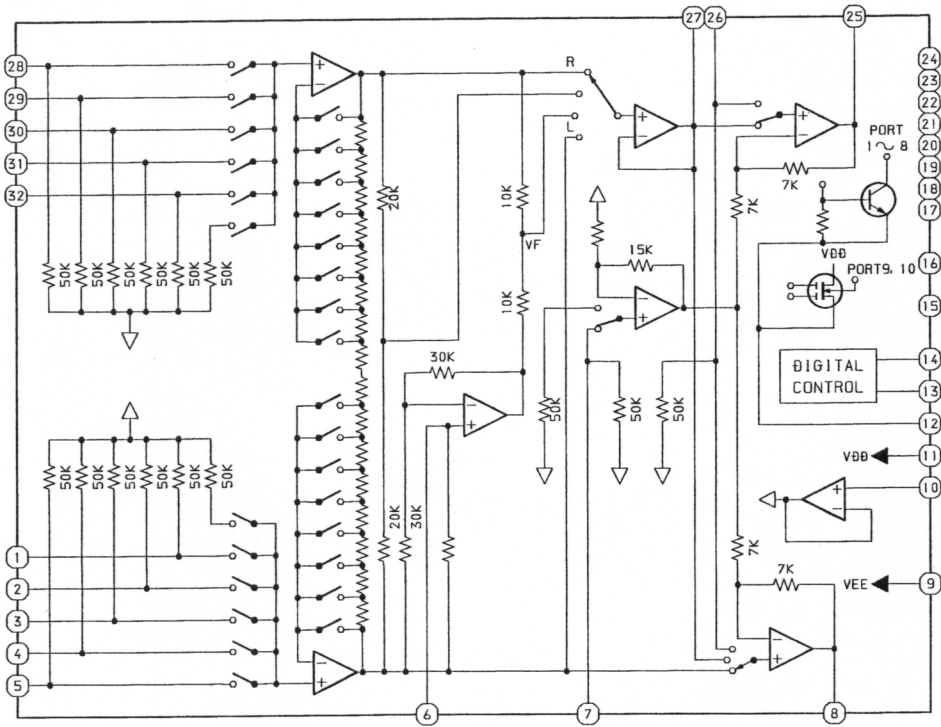
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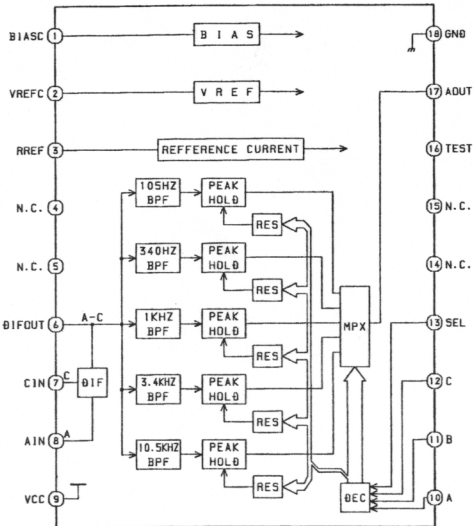
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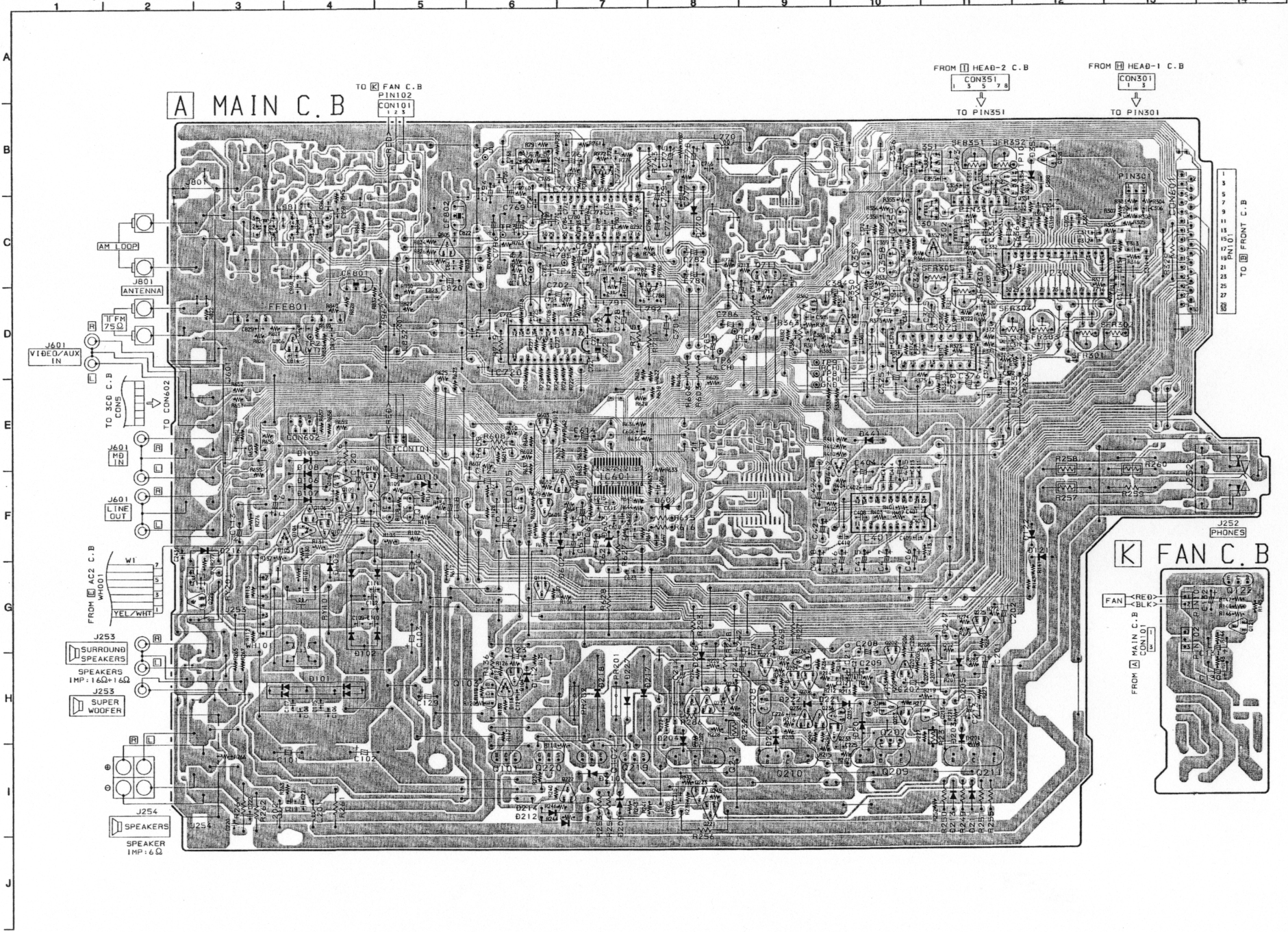
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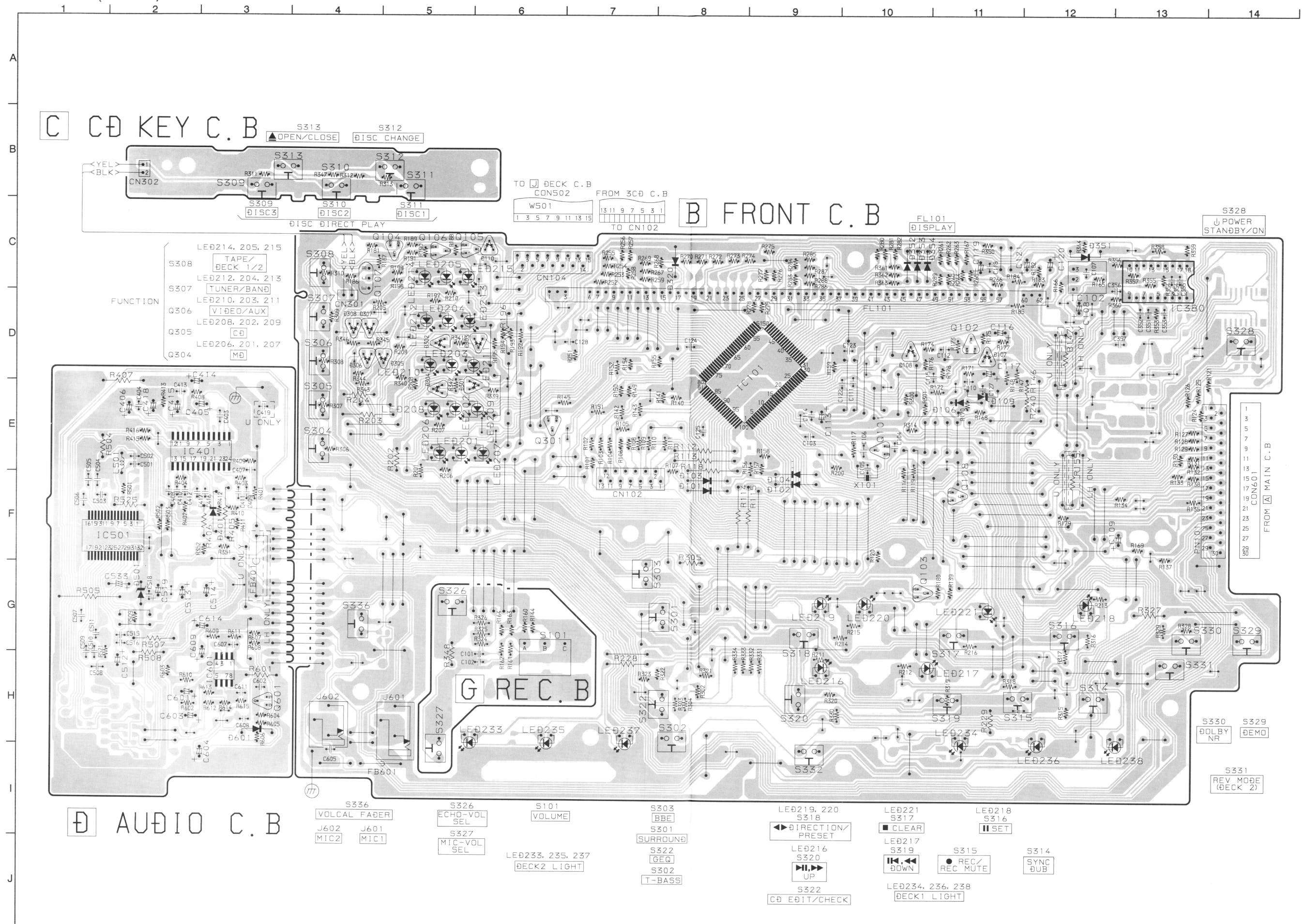
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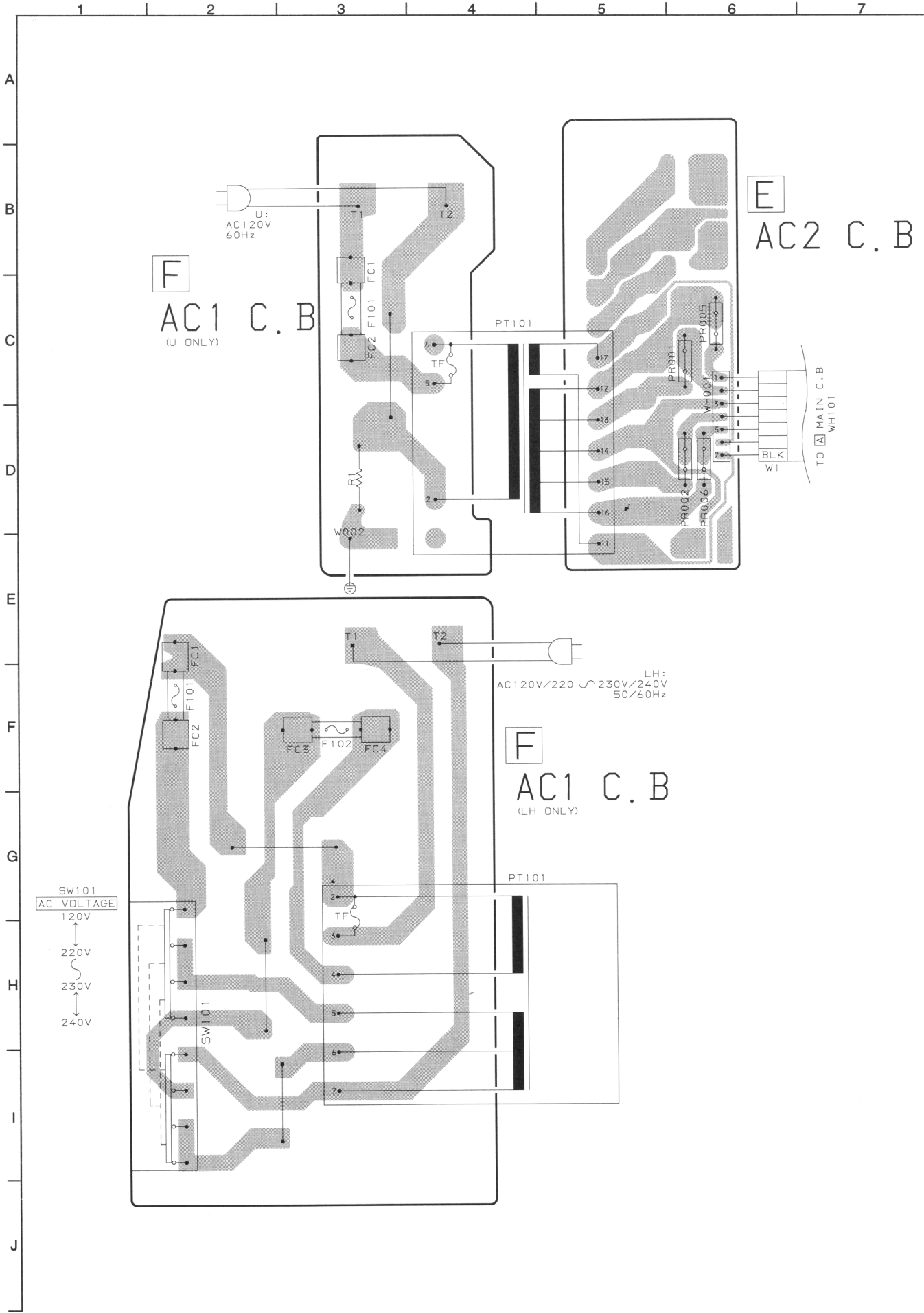
WIRING - 2 (MAIN : 70LH, 74LH)



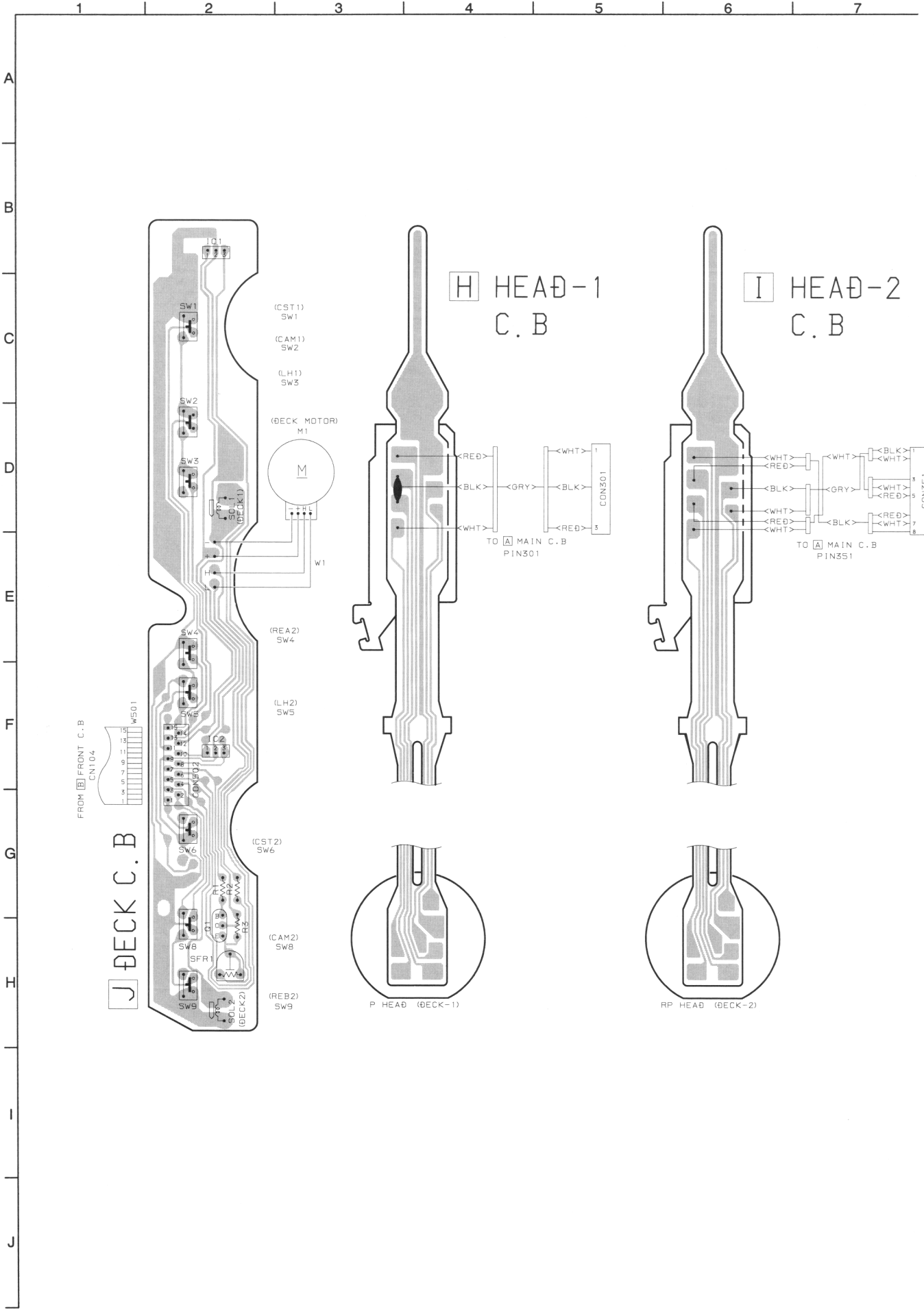




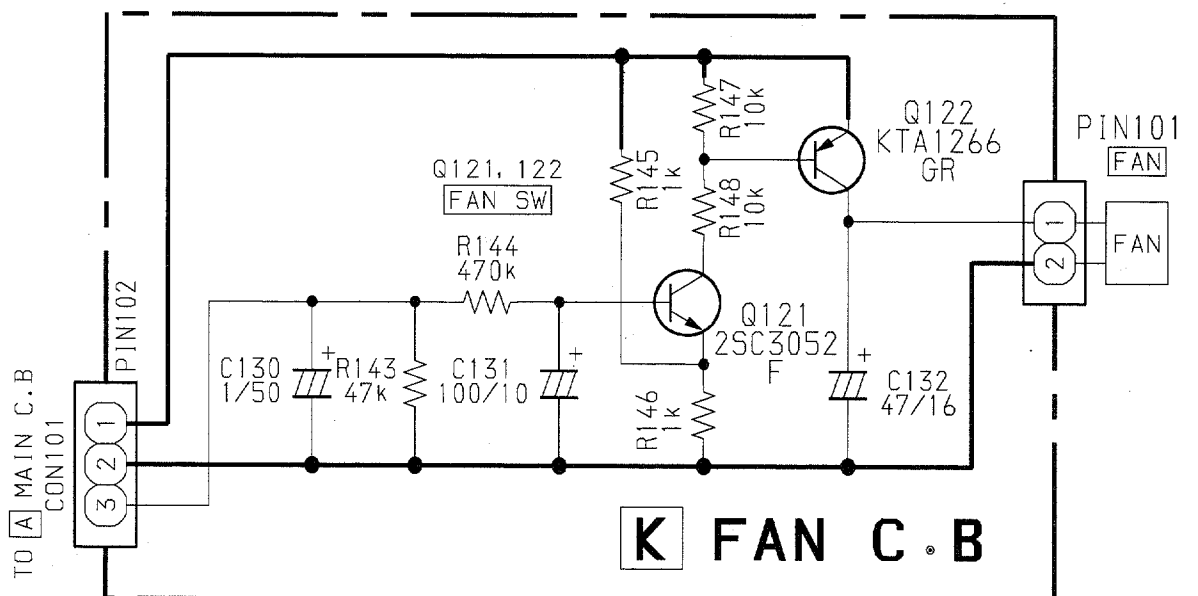
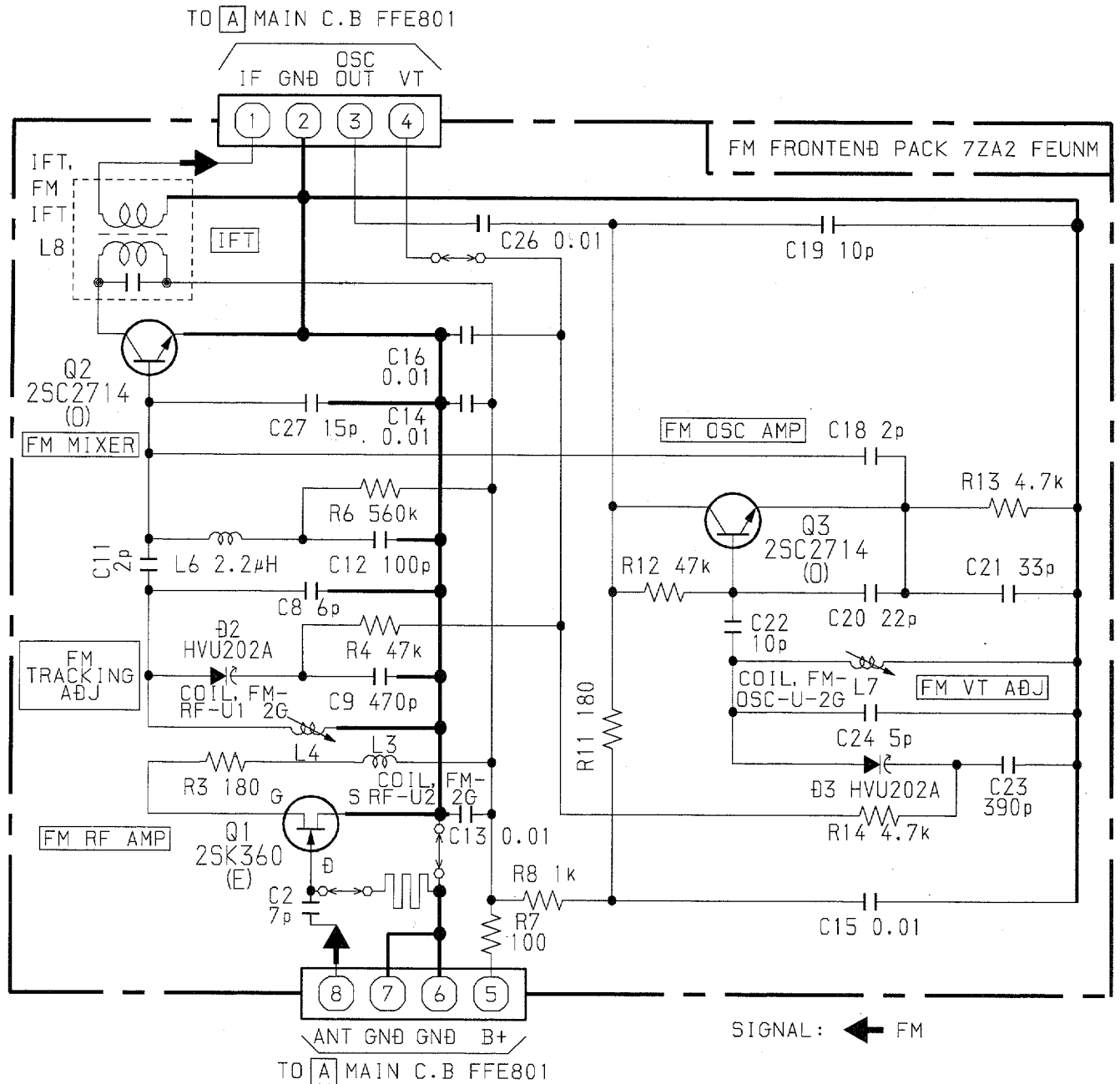
WIRING – 4 (PT)



WIRING - 5 (DECK)

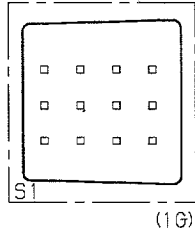
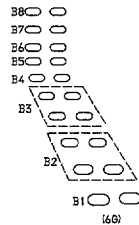
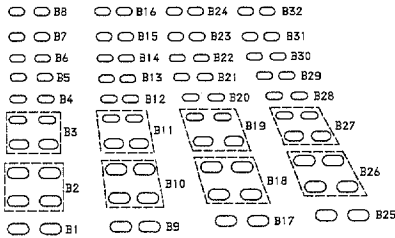
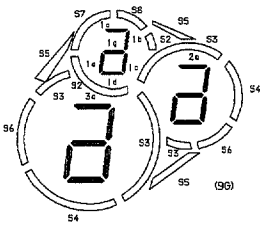
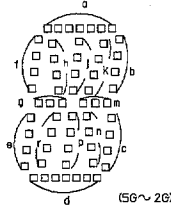
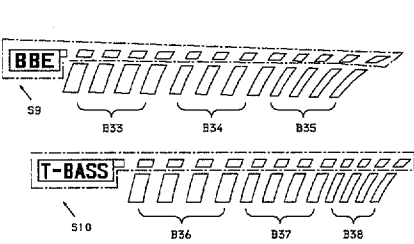
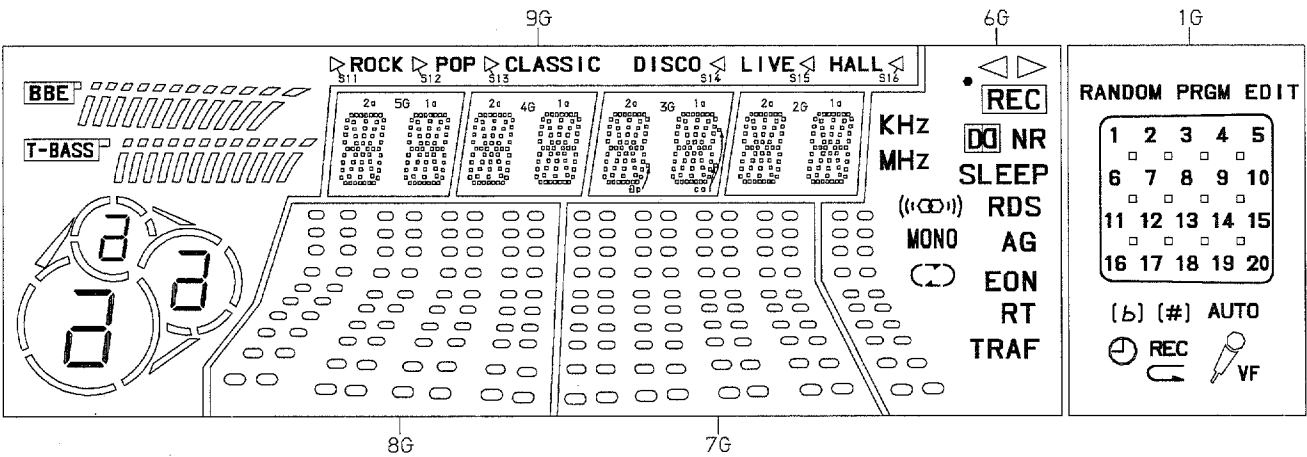


SCHEMATIC DIAGRAM - 4 (TUNER FRONTEND / FAN)



FL GRID ASSIGNMENT & ANODE CONNECTION

FL, BJ530 JK
GRID ASSIGNMENT



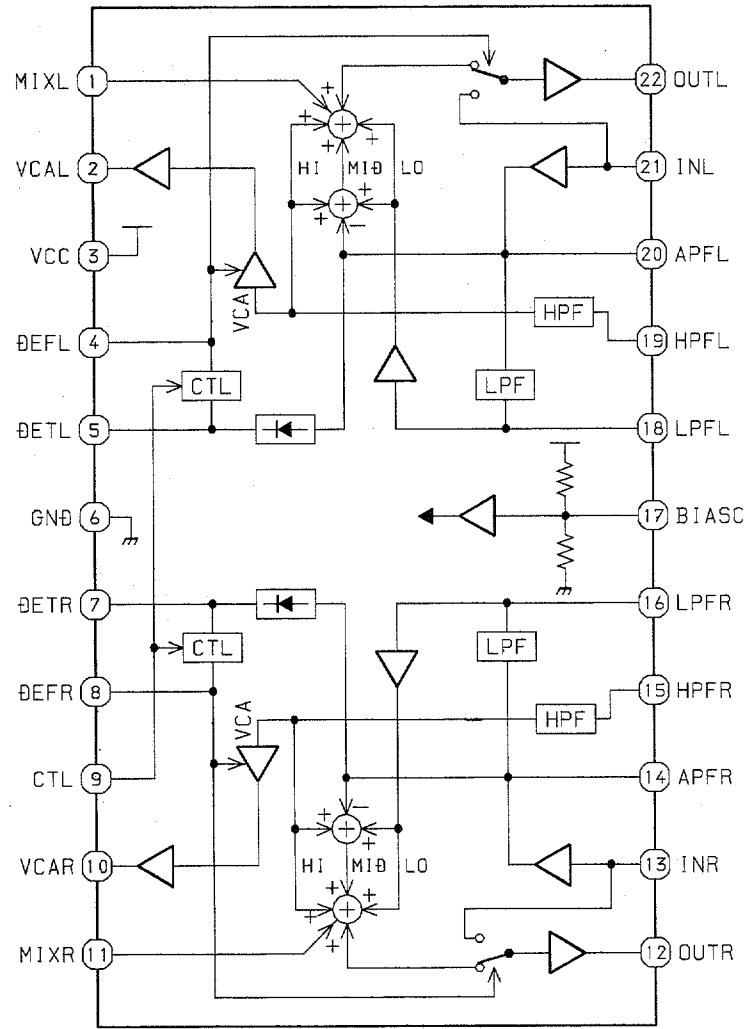
[8G, 7G]

ANODE CONNECTION

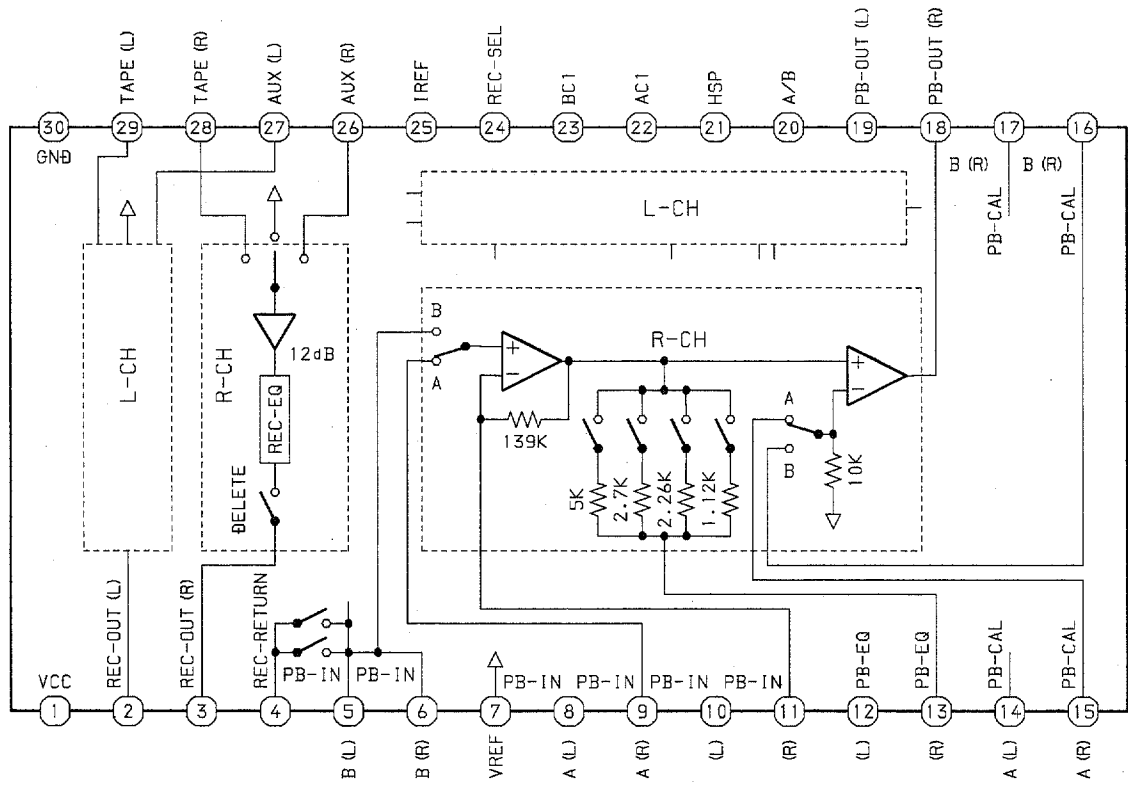
	9G	8G, 7G	6G	5G, 4G	3G	2G	1G
P1	S8	B32		-	col (down)	-	RANDOM
P2	S2	B24		1d	1d	1d	-
P3	1b	B16	SLEEP	1n	1n	1n	PRGM
P4	1c	B8	B8	1p	1p	1p	EDIT
P5	1e	B31		1r	1r	1r	1
P6	1a, 1d, 1g	B23	REC	1e	1e	1e	2
P7	2b	B15	KHz	1c	1c	1c	3
P8	2c	B7	B7	1g	1g	1g	4
P9	2e	B30	MHz	1m	1m	1m	5
P10	2a, 2d, 2g	B22	-	1f	1f	1f	6
P11	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	-	-	dp	-	13
P18	S4	B20	-	2d	2d	2d	14
P19	S6	B12	-	2n	2n	2n	15
P20	S16	B4	B4	2p	2p	2p	16
P21	S15	B27	AG	2r	2r	2r	17
P22	S14	B19		2e	2e	2e	18
P23	S13	B11	EON	2c	2c	2c	19
P24	S12	B3	B3	2g	2g	2g	20
P25	S11	B26	RT	2m	2m	2m	AUTO
P26	B36	B18	MONO	2f	2f	2f	 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		2h	2h	2h	((#))
P31	B35	B9	(	2a	2a	2a	((b))
P32	ROCK POP CLASSIC S10	B1	B1	-	-	-	S1
P33	DISCO LIVE HALL	-	-	-	-	-	-
P34	S9	-	-	-	-	-	-
P35	-	-	-	-	-	-	b #

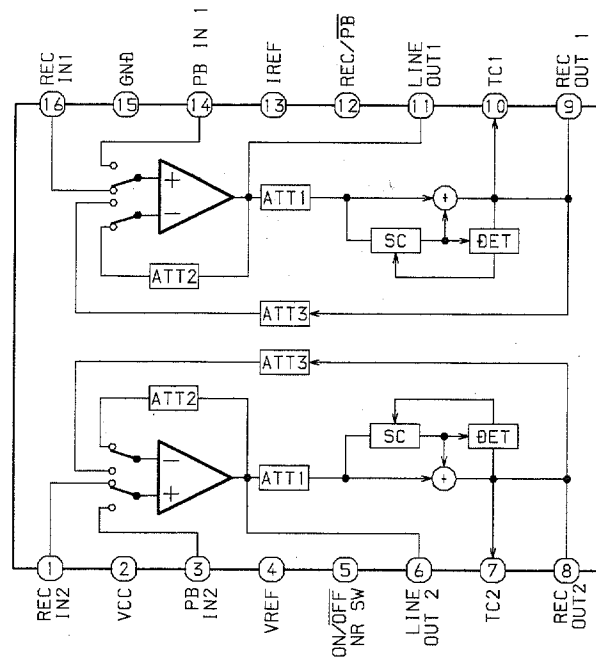
IC BLOCK DIAGRAM – 2

IC, BA3880S



IC, HA12211NT





ATT:Attenuator
SC:Side Chain
DET:Detector

IC DESCRIPTION

IC, LC866548V-5E15

Pin No.	Pin Name	I/O	Description
1	RT-A	I	Rotary encoder A input.
2	RT-B	I	Rotary encoder B input.
3	LED-MD	O	"MD" LED ON/OFF output.
4	LED-CD	O	"CD " LED ON/OFF output.
5	LED-AUX	O	"AUX" LED ON/OFF output.
6	LED-TUNER	O	"TUNER" LED ON/OFF output.
7	LED-TAPE	O	"TAPE" LED ON/OFF output.
8	HSP	O	Tape deck motor high speed ON/OFF output.
9	O-POWER	O	System power supply ON/OFF output.
10	O-MUTE	O	System mute ON/OFF output.
11	O-CLK-SHIFT	O	U-COM clock shift output.
12	RESET	I	Reset input.
13	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	HOLD	I	Power failure detected input "1" to stop clock and main memory.
20	KEY-1	I	KEY input.(A/D)
21	KEY-2	I	
22	KEY-3	I	
23	I-CD SW	I	CD mechanical switch A/D converter input.
24	I-MIC	I	Microphone input for AUTO VF display.
25	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	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	—	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	I/O	FL segment P22 output / high dubbing inhibit input to diode.
51	VP	—	Power supply input for FL display.
52	P21/AM-ST	I/O	FL segment P21 output / AM stereo input to diode.
53	P20/LW	I/O	FL segment P20 output / LW mode data input to diode.
54	P19/SW	I/O	FL segment P19 output / SW mode data input to diode.

Pin No.	Pin Name	I/O	Description
55	P18/FM 1	I/O	FL segment P18 output / FM1 (OIRT) data input to diode.
56	P17/RDS	I/O	FL segment P17 output / RDS data input to diode.
57	P16/BBE	I/O	FL segment P16 output / BBE data input to diode.
58	P15/DSP	I/O	FL segment P15 output / DSP data input to diode.
59	P14/DOLBY-SURR	I/O	FL segment P14 output / DOLBY-SURR data input to diode.
60	P13/K-CON	I/O	FL segment P13 output / K-CON data input to diode.
61	P12/DOLBY	I/O	FL segment P12 output / DOLBY data input to diode.
62	P11/WAY	I/O	FL segment P11 output / DECK/WAY MECHA data input to diode.
63	P10/AM-9K/10K	I/O	FL segment P10 output / INITIAL AM 10 kHz step data input to diode.
64	P9/CST 2	I/O	FL segment P9 output / DECK2 cassette detect switch data input.
65	P8/REB	I/O	FL segment P8 output / DECK2 side-B record OK switch data input.
66	P7/CAM 2	I/O	FL segment P7 output / DECK2 CAM switch data input.
67	P6/AUTO 1	I/O	FL segment P6 output / DECK1 AUTO stop signal input.
68	P5/AUTO 2	I/O	FL segment P5 output / DECK2 AUTO stop signal input.
69	P4/CAM 1	I/O	FL segment P4 output / DECK1 CAM switch data input.
70	P3/CST 1	I/O	FL segment P3 output / DECK1 cassette detect switch data input.
71	P2/REA	I/O	FL segment P2 output / DECK2 side A record OK switch data input.
72	VDD 4	–	Power supply input.
73	P1/2092	I/O	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	$\overline{\text{LED}}$ ►►	O	►► LED $\overline{\text{ON}}$ /OFF output.
86	$\overline{\text{LED}}$ ◄◄	O	◄◄ LED $\overline{\text{ON}}$ /OFF output.
87	$\overline{\text{LED}}$ ►	O	► LED $\overline{\text{ON}}$ /OFF output.
88	$\overline{\text{LED}}$ ◄	O	◄ LED $\overline{\text{ON}}$ /OFF output.
89	VSS 2	–	GND.
90	VDD 2	–	Power supply input.
91	$\overline{\text{LED}}$ ■	O	■ LED $\overline{\text{ON}}$ /OFF output.
92	$\overline{\text{LED}}$	O	LED $\overline{\text{ON}}$ /OFF output.
93	$\overline{\text{SOL}}$ 1	O	DECK 1 Solenoid output.
94	$\overline{\text{SOL}}$ 2	O	DECK 2 Solenoid output.
95	O-MOTOR	O	DECK MOTOR $\overline{\text{ON}}$ /OFF output.
96	I-IFC/I-SUB Q	I	Tune IF count serial data input /CD SUB Q data input.

Pin No.	Pin Name	I/O	Description
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, LC72131

Pin No.	Pin Name	I/O	Description																								
1	XIN	I/O	A crystal oscillator (7.2MHz) is connected between these pins.																								
22	XOUT																										
2	NC	–	Not used.																								
3	CE	I	To enable the IC. Active "H".																								
4	DI	I	Digital data input from CPU (LC866548V-5E15) when relevant key is operated. Active "H".																								
5	CLK	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC866548V-5E15).																								
7	TM-BASE	O	Outputs a reference clock signal (8Hz) for the clock.																								
8	MONO / BEAT	O	Outputs "H" when MONO / BEAT is switched.																								
9	FM / AM	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	MW	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	IFIN	I	General purpose counter input.																								
13	TUNE	I	Receives "L" when station is tuned.																								
14	NC	–	Not used.																								
15	A MIN	I	Receives the AM local oscillator frequency signal.																								
16	F MIN	I	Receives the FM local oscillator frequency signal.																								
17	VDD	–	Supply power to IC (+5V).																								
18	PD	O	PLL charge pump output.																								
19	AIN	I	The MOS transistor for PLL active low pass filter.																								
20	AOUT	O																									
21	VSS	–	Ground.																								

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity : 4dB $\pm$ 6dB
 (THD 3%) [at 87.5 / 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%
 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

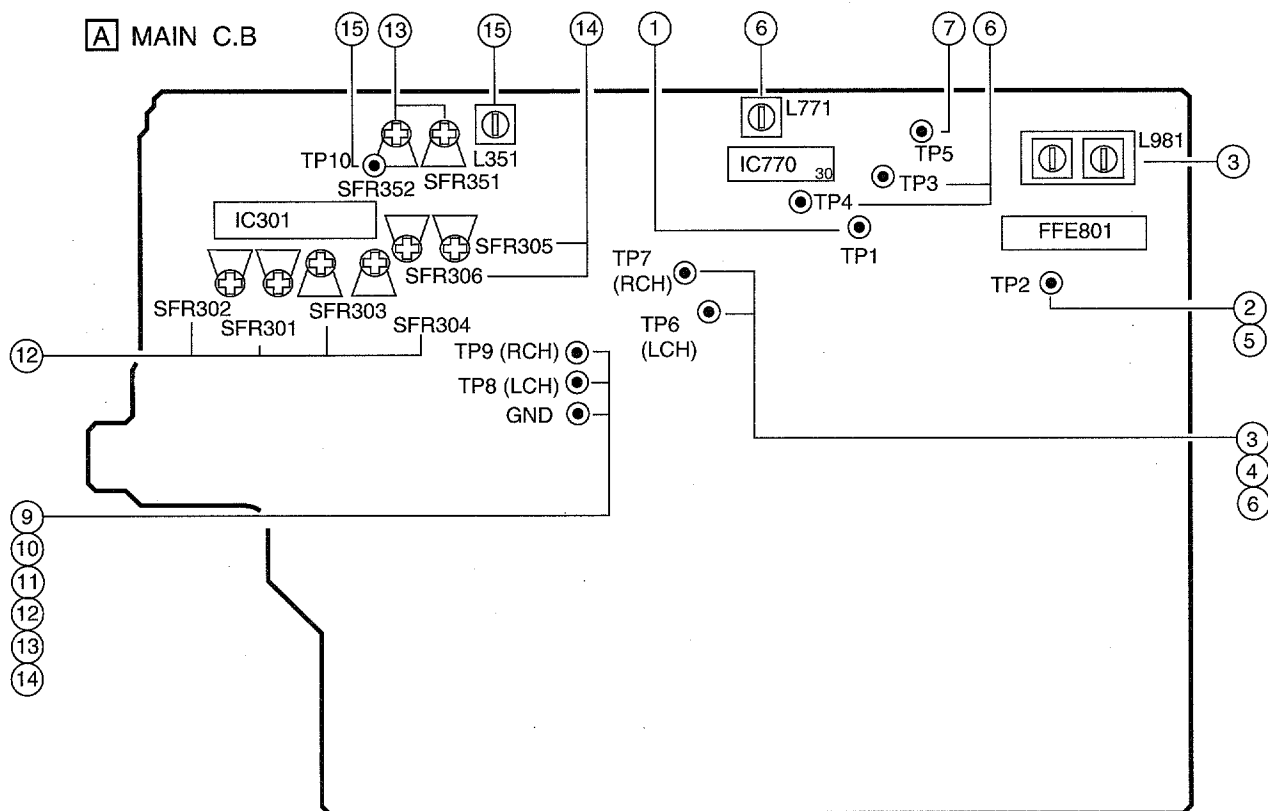
<AM(MW) SECTION>

Sensitivity : 50 ~ 60dB
 (S/N 20 dB) [at 600kHz]
 48 ~ 58dB
 [at 1000kHz]
 48 ~ 58dB
 [at 1400kHz]
 Signal to noise ratio : More than 36dB
 [at 1000kHz]
 Distortion : Less than 1.5%
 [at 1000kHz]
 Auto stop level : 50dB +10/-15dB
 [at 1000kHz]
 Intermediate frequency : 450kHz

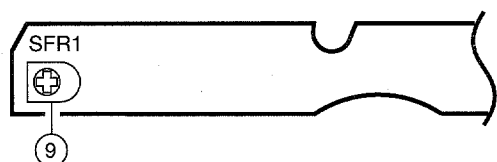
<DECK SECTION>

Tape speed : 3000Hz $\pm$ 45Hz
 Wow & flutter : Less than 0.15%
 (W.R.M.S)
 Take-up torque : 30 ~ 55g-cm
 (FWD, REV)
 F.F & REW torque : 75 ~ 180g-cm
 Back tension : 2 ~ 7g-cm
 (FWD, REV)
 PB output level : 300mV $\pm$ 1.5dB
 (SP OUT 2V)
 REC/PB output level : 180mV $\pm$ 1dB
 (SP OUT 2V)
 Distortion (REC/PB) : Less than 2.0%
 (NORM, CrO₂)
 Noise level (REC/PB) : Less than 1.8mV
 (NORM, SP OUT 2V, DOLBY OFF)
 Less than 1.1mV
 (CrO₂, SP OUT 2V, DOLBY B,C ON)
 Crosstalk : More than 60dB
 (1kHz, 0VU)
 Channel separation : More than 30dB
 (1kHz, 0VU)
 Erasing ratio : More than 30dB
 (at 125Hz)
 Test tape : TTA-602 (NORMAL)
 TTA-615 (CrO₂)

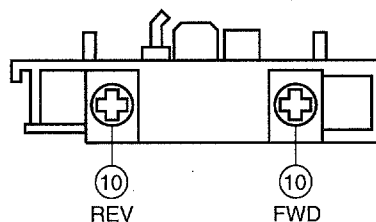
ADJUSTMENT - 1 <TUNER / DECK>



J DECK C.B



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



< TUNER SECTION >

1. Clock Frequency Check
Settings : • Test point : TP1 (CLK IC770 pin30)
Method : Set to MW 1710kHz, and check that the test point is $2160\text{kHz} \pm 45\text{Hz}$.
2. MW VT Check
Settings : • Test point : TP2 (VT)
Method : Set to MW 1710kHz and check that the test point is less than $6.0\text{V} \pm 1.0\text{V}$.
3. MW Tracking Adjustment
Settings : • Test point : TP6, TP7
• Adjustment location : L981
Method : Set to MW 1000kHz and adjust L981 so that the test point becomes maximum.
4. FM Tracking Check
Settings : • Test point : TP6, TP7
Method : Set to FM 98.0MHz, and check that the test point is $2 \pm 6\text{dB}$.
5. 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 (87.5MHz) and less than 8.5V (108.0MHz).
6. 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 becomes $0\text{V} \pm 0.04\text{V}$.
Next, check that the distortion is less than 1.3%.

7. Auto Stop Level Check
 Settings : • Test point : TP5
 • Input level : 18dB
 Method : Set to FM 98.0MHz and check voltage low (about 0.1V). After that voltage high (about 7.0V) by 2dB down.

8. Auto Stop Level Check
 MW
 • Input level : Variable
 Method : Check auto stop at MW 1000kHz and the level is 50 +10/-15dB.

- FM
 • Input level : Variable
 Method : Check auto stop at FM 98.0MHz and the level is 25 dB $\pm$ 10 dB.

< DECK SECTION >

9. Tape Speed Adjustment
 Settings : • Test tape : TTA-100
 • Test point : TP8, TP9
 • Adjustment location : SFR1
 Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz $\pm$ 5Hz.

8. Head Azimuth Adjustment
 Settings : • Test tape : TTA-300
 • Test point : TP8, TP9
 • 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.

11. PB Frequency Response Check (DECK 1, DECK 2)
 Settings : • Test tape : TTA-300
 • Test point : TP8, TP9
 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 $\pm$ 2dB.

12. PB Sensitivity Adjustment (DECK 1, DECK 2)
 Settings : • Test tape : TTA-200
 • Test point : TP8, TP9
 • Adjustment location : SFR301 (DECK 1, Lch)
 SFR302 (DECK 1, Rch)
 SFR303 (DECK 2, Lch)
 SFR304 (DECK 2, Rch)

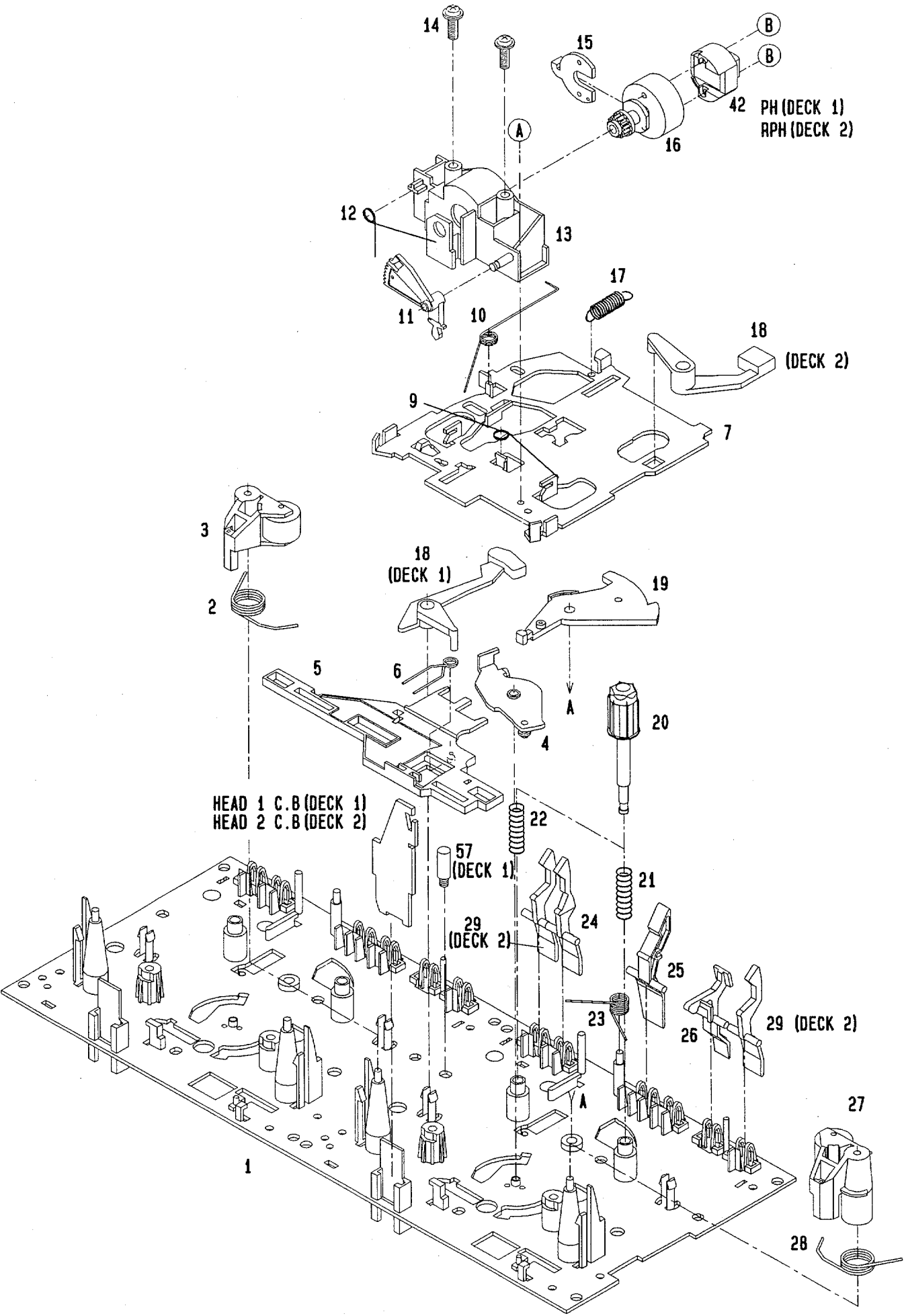
Method : Play back the test tape and adjust SFRs so that the output level of the test point becomes 245mV.

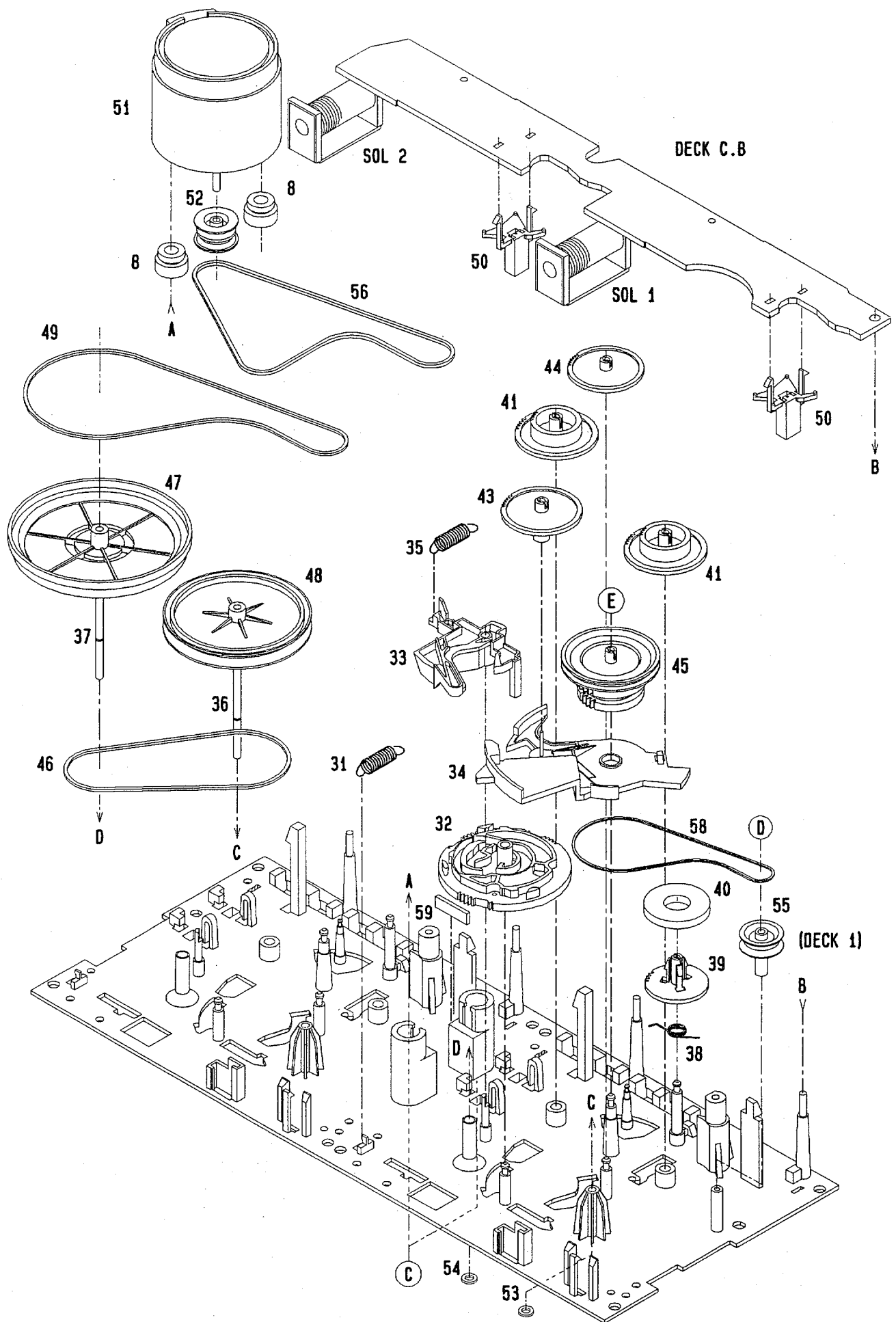
13. REC/PB Frequency Response Adjustment
 Settings : • Test tape : TTA-602
 • Test point : TP8, TP9
 • Input signal : 1kHz / 10kHz (LINE IN)
 • Adjustment location : SFR351 (Lch)
 SFR352 (Rch)
 Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 17mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.

14. REC/PB Sensitivity Check
 Settings : • Test tape : TTA-602
 • Test point : TP8, TP9
 • Input signal : 1kHz (LINE IN)
 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 check that the output is 17mV $\pm$ 0.5dB.

15. Bias OSC Frequency Adjustment
 Settings : • Test tape : TTA-615
 • Test point : TP10
 • Adjustment location : L351
 Method : Set to the REC mode. Adjust L351 so that the frequency at the test point is 85kHz $\pm$ 1kHz.

TAPE MECHANISM EXPLODED VIEW 1/1

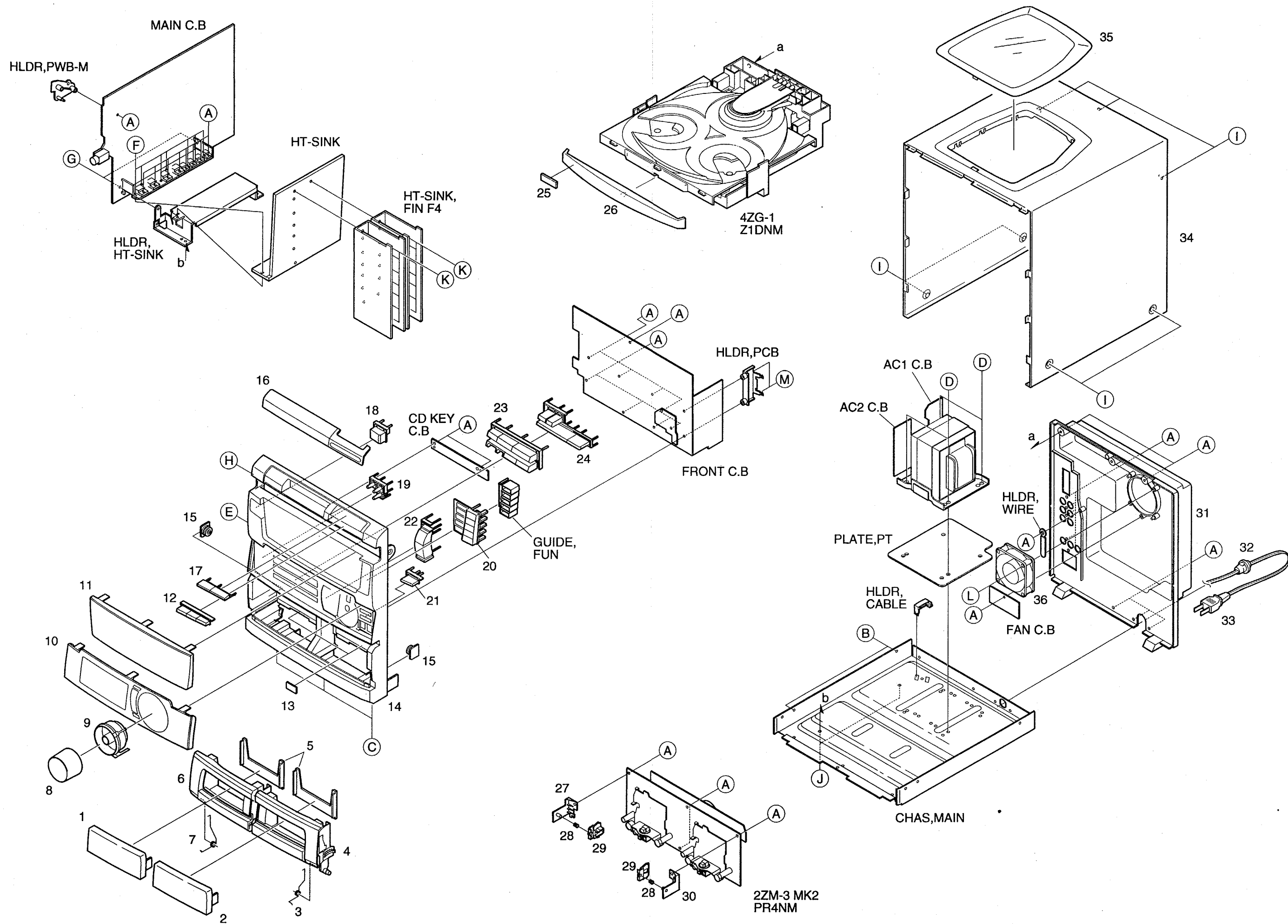




TAPE MECHANISM PARTS LIST 1 / 1

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				

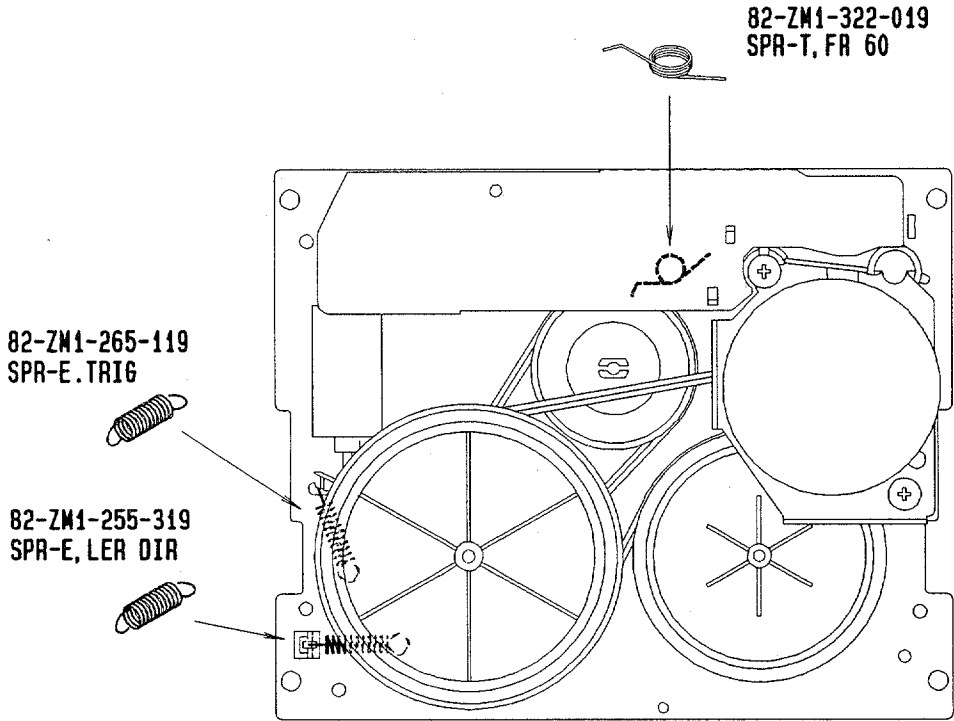
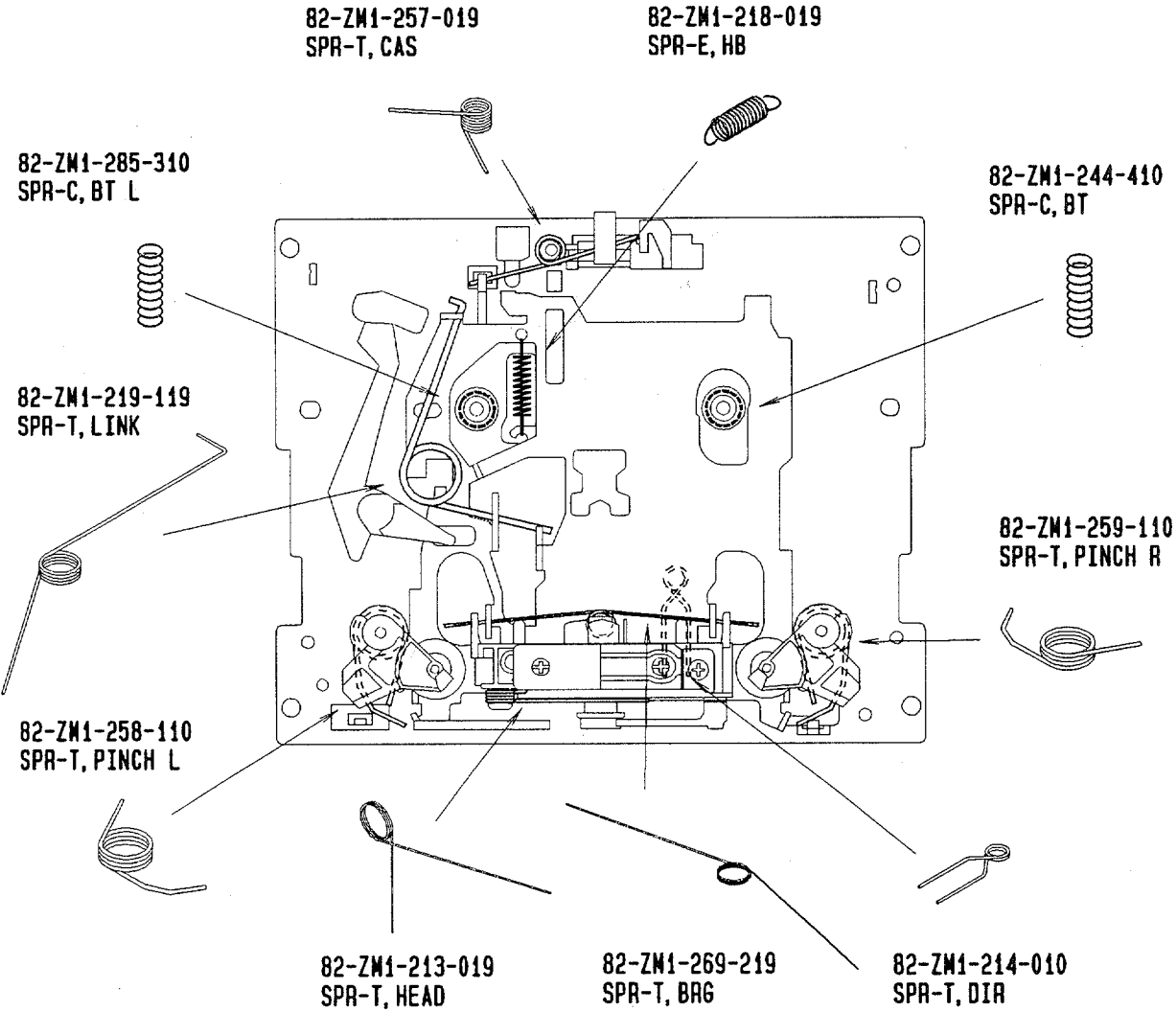


MECHANICAL PARTS LIST 1 / 1

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

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION	REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NF5-010-010		WINDOW, CASS 1	29	82-NF5-229-010		PLATE, LOCK
2	87-NF5-011-010		WINDOW, CASS 2	30	87-NF4-217-010		HLDR, LOCK 2
3	82-NF5-219-010		SPR-T, EJECT 2 (SIN)	31	87-NF5-035-010		CABI, REAR
4	87-NF5-004-010		BOX, CASS 2H				LHSTNM<74LH, 70LH>
5	86-NF6-061-010		REFLECTOR, CASS	31	87-NF5-040-010		CABI, REAR USTNM
							A71<71U>
6	87-NF5-003-010		BOX, CASS 1H	32	87-085-185-010		BUSHING, AC CORD(E) CM-
7	82-NF5-218-010		SPR-T, EJECT 1 (SIN)				22B<74LH, 70LH>
8	87-NF5-023-010		KNOB, RTRY VOL				
9	87-NF5-007-010		RING, VOL	32	87-085-189-010		BUSHING, AC CORD(U) CM-
10	87-NF5-002-010		PANEL, FR H				22C<71U>
				△ 33	87-050-079-010		AC CORD ASSY, E
11	87-NF5-009-010		WINDOW, DISP H				BLK<74LH, 70LH>
12	87-NF5-016-010		KEY, DISC	△ 33	87-050-053-010		AC CORD ASSY, U-2<71U>
13	81-532-080-010		LBL, CASS-COMPT	34	86-NFT-005-110		CABI, STEEL TS
14	87-NF5-001-010		CABI, FR H<70LH>	35	86-NF6-007-010		WINDOW, TOP
14	87-NF5-042-010		CABI, FR H S74<74LH>				
				36	87-A90-463-010		FAN, 2408NL<74LH, 70LH>
14	87-NF5-050-010		CABI, FR U A71<71U>	A	87-067-703-010		BVT2+3-10 W/O SLOT
15	87-063-165-010		OIL-DMPR, 150	B	87-591-094-410		QIT+3-6
16	87-NF5-008-010		WINDOW, CD	C	87-067-688-010		BVT+3-6
17	87-NF5-015-010		KEY, OPEN	D	87-067-975-010		S-SCREW, IT+4-8 SWCH12A
18	87-NF5-017-010		KEY, POWER				
				E	87-721-096-410		QT2+3-10 W/O SLOT
19	87-NF5-019-010		KEY, DEMO	F	87-067-758-010		BVT2+3-12 W/O SLOT
20	87-NF5-018-010		KEY, FUN	G	87-067-633-010		BVT2+3-8 W/O SLOT W/
21	87-NF5-020-010		KEY, VF				CONVEX
22	87-NF5-022-010		KEY, GEQ	H	87-721-097-410		QT2+3-12 W/O SLOT
23	87-NF5-024-010		KEY, ASSY OPE	I	87-067-641-010		UTT2+3-8 W/O SLOT BLK
24	87-NF5-021-010		KEY, EDIT	J	87-067-584-010		BVT2+3-6 W/O SLOT
25	82-NE6-067-010		BADGE, AIWA 30N	K	87-067-690-010		BVT3B+3-12 BLK
26	87-NF5-005-010		PANEL, TRAY H	L	87-571-104-410		VIT+3-30<74LH, 70LH>
27	87-NF4-216-010		HLDR, LOCK 1	M	87-067-581-010		BVT2+3-15 W/O SLOT
28	82-NF5-228-010		SPR-C, LOCK				

SPRING APPLICATION POSITION



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-NF5-902-010		IB, LH(ESP)M<74LH, 70LH>
1	87-NF5-911-010		IB, U(ESF)M-71<71U>
2	87-NB7-651-010		RC UNIT, RC-7AS08
3	87-A90-064-010		FEEDER-ANT, FM (SHS)
 4	87-A90-312-010		PLUG, CONVERSION WTN-1157R1<74LH, 70LH>
5	87-006-225-010		ANT, LOOP ANT NC2

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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