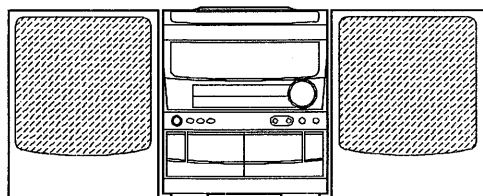


aiwa



CX-NV800 CX-NV8000 CX-NV8080



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM : 2ZM-3MK2 PR4N
- BASIC CD MECHANISM : 4ZG-1 ADN

- TYPE : (800):HE,HR,LH,
(8000):U,(8080):U

CD - CASSEIVER	SPEAKER	REMOTE CONTROLLER
CX-NV800 (TYPE : HE,HR,LH)	SX - FNV800	RC - T501
CX-NV8000 (TYPE : U)	SX - ANV8000	
CX-NV8080 (TYPE : U)	SX - NAV800 SX-R210	

- If requiring information about the CD mechanism, see Service Manual of 4ZG-1, S/M Code No. 09-963-128-10T.
- If requiring information about the Speaker, see Service Manual of SX-FNV800, SX-ANV8000, SX-NAV800, SX-R210, S/M Code No. 09-964-137-8FP.

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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> (HE, HR only)

Tuning range	5.900 MHz ~ 17.900 MHz
Antenna	Wire antenna

<Amplifier section>

Power output *	*LH, HE, HR : 85 W + 85 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference : 100 W + 100 W (6 ohms, T.H.D. 10 %, 1 kHz) * (without connecting to the SURROUND SPEAKERS) U : 60 W per channel, Min. (6 ohms, T.H.D. 1 %, 40 Hz ~ 20 kHz)
Total harmonic distortion	LH, HE, HR : 0.1 % (50 W, 1 kHz, 6 ohms, DIN AUDIO) U : 0.1 % (30 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX : 150 mV (adjustable) MIC 1, MIC 2 : 1 mV (10 kohms)
Outputs	LH, HE, HR : SUPER WOOFER : 2.5 V U : SUPER WOOFER : 1.9 V LH, HE, HR, U : 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 ₂ 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 x1 Deck 2 : Recording/playback/erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<Speaker system SX-FNV800 (HE, LH), SX-ANV8000 (8000U), SX-NAV800 (8080U)>

Cabinet type	3 way, bass reflex with surround speaker (magnetic sealed type)
Speakers	Woofer : 140 mm (5 ⁵ / ₈ in.) cone type Mid-range : 80 mm (3 ¹ / ₄ in.) cone type (8000U) Tweeter : 80 mm (3 ¹ / ₄ in.) cone type (LH, HE, HR) 50 mm (2 in.) cone type (8000U) 60 mm (2 ³ / ₈ in.) cone type (8080U) Super tweeter : 20 mm (1 ³ / ₁₆ in.) ceramic type Surround speaker : 80 mm (3 ¹ / ₄ in.) cone type (LH, HE, HR, 8000U) Front speaker : 6 ohms Surround speaker : 16 ohms (LH, HE, HR, 8000U)
Impedance	87 dB/W/m
Output sound pressure level	LH, HE, HR : 235 x 302 x 270 mm (9 ³ / ₈ x 12 x 10 ³ / ₄ in.) 8000U : 235 x 310 x 270 mm (9 ³ / ₈ x 12 ¹ / ₄ x 10 ³ / ₄ in.) 8080U : 235 x 302 x 250 mm (9 ³ / ₈ x 12 x 9 ⁷ / ₈ in.)
Dimensions (W x H x D)	LH, HE, HR : 3.8 kg (8 lbs 6 oz.) 8000U : 4.3 kg (9 lbs 8 oz.) 8080U : 3.3 kg (7 lbs 4 oz.)
Weight	

<General>

Power requirements	LH, HE, HR : 120 V/ 220 – 230 V/240 V AC, switchable 50/60 Hz U : 120 V AC, 60 Hz
Power consumption	110 W (LH, HE, HR) 135 W (U)
Dimensions of main unit (W x H x D)	260 x 307 x 349 mm (10 ¹ / ₄ x 12 ¹ / ₈ x 13 ³ / ₄ in.)
Weight of main unit	7.8 kg (17 lbs 3 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.

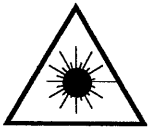
• The word “BBE” and the “BBE symbol” are trademarks of BBE Sound, Inc.
Under license from BBE Sound, Inc.

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 käyttäjän turvallisuusluokan 1 ylitävälle 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

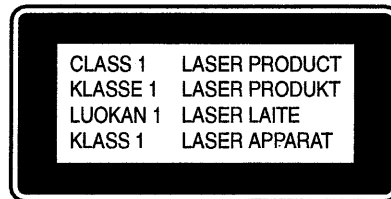
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

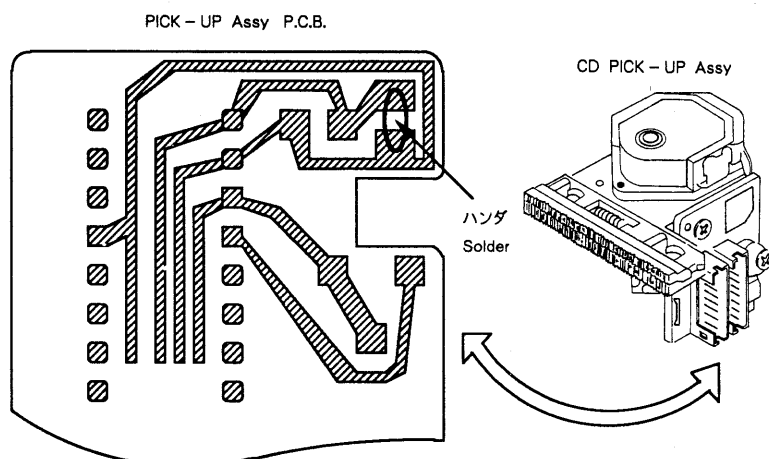


Precaution to replace Optical block

(KSS – 210A)

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

- 1) After the connection, remove solder shown in 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				87-020-331-089			C-DIODE,DAN202K
	87-020-454-010	IC,DN6851		87-017-123-089			ZENER,HZS11A3L
	86-NF5-601-010	C-IC,LC866432V-5A45		87-020-330-089			C-DIODE,DAP202K
	87-070-083-019	IC,GP1U281X		87-001-290-089			ZENER,HZS6B1L
	87-A20-062-019	IC,STK419-130<LH,HE,HR>		87-017-148-089			ZENER,HZS6A1L
	87-A20-061-019	IC,STK419-120<8000U,8080U>		MAIN C.B			
	87-070-121-010	IC,HA12185NT		C101	87-016-474-099		CAP,E 3300-50<8000U,8080U>
	87-070-232-019	IC,BA3834S		C101	87-016-520-099		CAP,E 3300-65 SMG<LH,HE,HR>
	87-017-915-089	IC,BU4094BCF		C102	87-016-474-099		CAP,E 3300-50<8000U,8080U>
	87-001-874-019	IC,HA12134A		C102	87-016-520-099		CAP,E 3300-65 SMG<LH,HE,HR>
	87-A20-107-019	IC,BA3836		C104	87-010-235-089		CAP,E 470-16 SME
	87-017-804-019	IC,BU4052BC					
	87-A20-056-019	IC,BA3880S		C105	87-010-235-089		CAP,E 470-16 SME
	87-017-914-019	IC,BU4094 BC		C106	87-010-409-089		CAP,E 220-50 SME
	87-017-888-089	IC,NJM4558MD		C107	87-010-247-089		CAP,E 100-50 SME
	87-070-184-040	IC,M65846FP-600D		C108	87-010-247-089		CAP,E 100-50 SME
	87-A20-069-049	C-IC,BA3842F		C109	87-010-263-089		CAP,E 100-10 SME 5X11
	87-070-127-119	IC,LC72131		C112	87-010-382-089		CAP,E 22-25 SME
	87-017-714-119	IC,LA1836		C113	87-010-403-089		CAP,E 3.3-50 SME
TRANSISTOR				C116	87-012-140-089		C-CAP,S 470P-50 CH
	87-026-463-089	TR,2SA933S(RS)		C121	87-010-196-089		C-CAP,S 0.1-25 F
	89-213-702-019	TR,2SB1370E		C122	87-010-196-089		C-CAP,S 0.1-25 F
	89-113-187-089	TR,2SA1318TU		C123	87-018-209-089		CAP,TC-U 0.1-50 F
	87-026-610-089	TR,KTC3198GR		C124	87-010-196-089		C-CAP,S 0.1-25 F
	89-332-665-089	TR,2SC3266GR		C125	87-010-263-089		CAP,E 100-10 SME 5X11<8000U,8080U>
	89-420-053-089	TR,2SD2005R<8000U,8080U>		C152	87-010-260-089		CAP,E 47-25 SME
	89-337-221-389	C-TR,2SC3722K		C171	87-016-565-099		CAP,E 4700-25(JAM1)
	89-327-125-088	C-TR,2SC2712GR		C172	87-016-565-099		CAP,E 4700-25(JAM1)
	89-327-125-089	C-TR,2SC2712GR		C173	87-010-196-089		C-CAP,S 0.1-25 F
	89-111-625-089	C-TR,2SA1162GR		C174	87-010-196-089		C-CAP,S 0.1-25 F
	87-026-210-089	C-TR,DTC144EK T147		C175	87-010-196-089		C-CAP,S 0.1-25 F
	87-026-211-089	C-TR,DTA144EK T147		C176	87-015-785-089		C-CAP,0.1-25 F
	89-333-266-089	C-TR,2SC3326B		C220	87-010-194-089		C-CAP,S 0.047-25 F
	87-026-609-089	TR, KTA1266GR		C221	87-010-401-089		CAP,E 1-50 SME
	89-109-705-089	TR,2SA970GR		C222	87-010-401-089		CAP,E 1-50 SME
	89-026-210-088	C-TR,DTC144EK<HE,HR>		C223	87-010-187-089		C-CAP,S 5600P-50 B
	87-026-226-089	C-TR,DTA143EK		C224	87-010-187-089		C-CAP,S 5600P-50 B
	89-502-466-089	TR FET 2SK246-BL (TPE2)		C225	87-012-179-089		C-CAP,S 1200P-50 B
	87-026-228-089	C-TR,DTA124EK		C226	87-012-179-089		C-CAP,S 1200P-50 B
	89-112-965-089	TR,2SA1296GR		C227	87-010-405-089		CAP,E 10-50 SME
	89-333-317-089	TR,2SC3331T		C228	87-010-405-089		CAP,E 10-50 SME
	89-109-521-089	TR,2SA952K		C229	87-010-405-089		CAP,E 10-50 SME
	89-406-555-089	TR,2SD655E		C230	87-010-405-089		CAP,E 10-50 SME
	87-026-238-089	C-TR,DTC144WK		C231	87-010-147-089		C-CAP,S 3P-50 CH
	87-026-214-089	TR,DTA114YS		C232	87-018-098-089		CAP,TC-U 3.3P-50 SL
	89-327-143-089	C-TR,2SC2714 (O)		C233	87-010-196-089		C-CAP,S 0.1-25 F
	87-026-269-089	TR,DTA114ES<HE,HR>		C234	87-010-196-089		C-CAP,S 0.1-25 F
	89-421-141-289	C-TR,2SD2114K,UV<HE,HR>		C235	87-010-196-089		C-CAP,S 0.1-25 F
	89-505-434-589	C-FET,2SK543(4/5)		C236	87-010-196-089		C-CAP,S 0.1-25 F
DIODE				C249	87-018-209-089		CAP,TC-U 0.1-50 F
	87-A40-116-069	DIODE,RS403L-B-D-51		C250	87-A10-200-010		CAP,E 10-100 PP
	87-A40-115-069	DIODE,RS603M<LH,HE,HR>		C260	87-015-785-089		C-CAP,0.1-25 F
	87-070-274-089	DIODE,1N4003 SEM		C301	87-010-318-089		C-CAP,S 47P-50 CH
	87-020-027-089	C-DIODE,1SS184		C302	87-010-318-089		C-CAP,S 47P-50 CH
	87-020-125-089	C-DIODE,1SS181		C303	87-012-157-089		C-CAP,S 330P-50 CH
	87-017-437-089	DIODE,1N4148M		C304	87-012-157-089		C-CAP,S 330P-50 CH
	87-017-174-089	ZENER,HZS11A3L		C305	87-012-145-089		C-CAP,S 270P-50 CH
	87-017-147-089	ZENER,HZS33-2					
	87-017-978-089	DIODE,1N4003		C306	87-012-145-089		C-CAP,S 270P-50 CH
	87-A40-134-089	DIODE,G2B<8000U,8080U>		C307	87-010-196-089		C-CAP,S 0.1-25 F
	87-A40-179-089	DIODE,RK34<LH,HE,HR>		C311	87-010-198-089		C-CAP,S 0.022-25 B
	87-A40-134-088	DIODE,G2B<8000U,8080U>		C312	87-010-198-089		C-CAP,S 0.022-25 B
	87-A40-184-090	DIODE,RK34<LH,HE,HR>		C313	87-010-182-089		C-CAP,S 2200P-50 B
	87-001-731-089	ZENER HZS6C2L		C314	87-010-182-089		C-CAP,S 2200P-50 B
	87-017-091-089	ZENER,HZS5C1		C315	87-010-180-089		C-CAP,S 1500P-50 B
				C316	87-010-180-089		C-CAP,S 1500P-50 B
				C317	87-012-142-089		C-CAP,S 0.33-16 F
				C318	87-012-142-089		C-CAP,S 0.33-16 F
				C319	87-012-141-089		C-CAP,S 0.22-16 F
				C320	87-012-141-089		C-CAP,S 0.22-16 F

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C321	87-010-196-089	C-CAP,S	0.1-25 F	C608	87-010-188-089	C-CAP,S	6800P-50 B
C322	87-010-196-089	C-CAP,S	0.1-25 F	C609	87-018-127-089	CAP,TC-U	470P-50 B
C324	87-010-260-089	CAP,E	47-25 SME	C610	87-018-127-089	CAP,TC-U	470P-50 B
C325	87-010-370-089	CAP,E	330-6.3 SME	C611	87-010-197-089	C-CAP,S	0.01-25 B
C326	87-010-196-089	C-CAP,S	0.1-25 F	C612	87-010-197-089	C-CAP,S	0.01-25 B
C330	87-010-401-089	CAP,E	1-50 SME	C613	87-010-195-089	C-CAP,S	0.068-25 F
C332	87-015-785-089	C-CAP,0.1-25 F		C614	87-010-195-089	C-CAP,S	0.068-25 F
C335	87-010-805-089	C-CAP,S	1-16F	C615	87-010-404-089	CAP,E	4.7-50 SME
C336	87-010-805-089	C-CAP,S	1-16F	C616	87-010-404-089	CAP,E	4.7-50 SME
C337	87-010-196-089	C-CAP,S	0.1-25 F	C617	87-010-404-089	CAP,E	4.7-50 SME
C338	87-010-196-089	C-CAP,S	0.1-25 F	C618	87-010-404-089	CAP,E	4.7-50 SME
C339	87-010-196-089	C-CAP,S	0.1-25 F	C641	87-010-196-089	C-CAP,S	0.1-25 F
C340	87-015-785-089	C-CAP,0.1-25 F		C642	87-010-196-089	C-CAP,S	0.1-25 F
C351	87-012-154-089	C-CAP,S	150P-50 CH	C701	87-010-381-089	CAP,E	330-16 SME
C352	87-012-154-089	C-CAP,S	150P-50 CH	C702	87-010-404-089	CAP,E	4.7-50 SME
C451	87-012-140-089	C-CAP,S	470P-50 CH	C703	87-010-197-089	C-CAP,S	0.01-25 B
C452	87-012-140-089	C-CAP,S	470P-50 CH	C704	87-010-197-089	C-CAP,S	0.01-25 B
C453	87-010-178-089	C-CAP,S	1000P-50 B	C711	87-010-263-089	CAP,E	100-10 SME 5X11
C456	87-010-408-089	CAP,E	47-50 SME	C712	87-010-196-089	C-CAP,S	0.1-25 F
C457	87-010-197-089	C-CAP,S	0.01-25 B	C722	87-010-152-089	C-CAP,S	8P-50 CH
C458	87-010-183-089	C-CAP,S	2700P-50 B	C723	87-010-178-089	C-CAP,S	1000P-50 B
C459	87-010-183-089	C-CAP,S	2700P-50 B	C725	87-010-178-089	C-CAP,S	1000P-50 B
C460	87-010-183-089	C-CAP,S	2700P-50 B	C727	87-010-196-089	C-CAP,S	0.1-25 F
C470	87-010-196-089	C-CAP,S	0.1-25 F	C728	87-010-248-089	CAP,E	220-10 SME
C501	87-010-179-089	C-CAP,S	1200P-50 B	C735	87-018-134-089	CAP,TC-U	0.01-16 Y
C502	87-010-179-089	C-CAP,S	1200P-50 B	C770	87-010-405-089	CAP,E	10-50 SME
C503	87-012-155-089	C-CAP,S	180P-50 CH	C771	87-010-405-089	CAP,E	10-50 SME
C504	87-012-155-089	C-CAP,S	180P-50 CH	C772	87-010-194-089	C-CAP,S	0.047-25 F
C515	87-010-545-089	CAP,E	0.22-50 SME	C773	87-015-785-089	C-CAP,0.1-25 F	
C516	87-010-545-089	CAP,E	0.22-50 SME	C774	87-010-263-089	CAP,E	100-10 SME 5X11
C519	87-015-785-089	C-CAP,0.1-25 F		C775	87-010-405-089	CAP,E	10-50 SME
C521	87-010-196-089	C-CAP,S	0.1-25 F	C776	87-010-197-089	C-CAP,S	0.01-25 B
C522	87-010-318-089	C-CAP,S	47P-50 CH	C777	87-010-400-089	CAP,E	0.47-50 SME
C523	87-010-197-089	C-CAP,S	0.01-25 B	C778	87-010-401-089	CAP,E	1-50 SME
C524	87-010-402-089	CAP,E	2.2-50 SME	C779	87-010-401-089	CAP,E	1-50 SME
C525	87-010-184-089	C-CAP,S	3300P-50 B	C780	87-010-197-089	C-CAP,S	0.01-25 B
C526	87-010-196-089	C-CAP,S	0.1-25 F	C781	87-010-405-089	CAP,E	10-50 SME
C527	87-010-401-089	CAP,E	1-50 SME	C782	87-010-405-089	CAP,E	10-50 SME
C528	87-010-401-089	CAP,E	1-50 SME	C785	87-010-197-089	C-CAP,S	0.01-25 B
C529	87-010-384-089	CAP,E	100-25 SME	C787	87-010-184-089	C-CAP,S	3300P-50 B
C530	87-010-197-089	C-CAP,S	0.01-25 B	C788	87-010-184-089	C-CAP,S	3300P-50 B
C531	87-010-183-089	C-CAP,S	2700P-50 B	C789	87-015-826-089	C-CAP,1200-50 B K	
C532	87-010-194-089	C-CAP,S	0.047-25 F	C790	87-010-179-089	C-CAP,S	1200P-50 B
C533	87-010-196-089	C-CAP,S	0.1-25 F	C791	87-010-401-089	CAP,E	1-50 SME
C534	87-010-263-089	CAP,E	100-10 SME 5X11	C792	87-010-180-089	C-CAP,S	1500P-50 B
C535	87-010-401-089	CAP,E	1-50 SME	C793	87-010-189-089	C-CAP,S	8200P-50 B
C536	87-010-401-089	CAP,E	1-50 SME	C794	87-010-408-089	CAP,E	47-50 SME
C537	87-010-545-089	CAP,E	0.22-50 SME	C795	87-010-194-089	C-CAP,S	0.047-25 F
C540	87-010-196-089	C-CAP,S	0.1-25 F	C796	87-010-403-089	CAP,E	3.3-50 SME
C541	87-010-196-089	C-CAP,S	0.1-25 F	C802	87-010-197-089	C-CAP,S	0.01-25 B
C542	87-010-405-089	CAP,E	10-50 SME	C803	87-018-134-089	CAP,TC-U	0.01-16 Y
C543	87-010-546-089	CAP,E	0.33-50 SME	C814	87-010-196-089	C-CAP,S	0.1-25 F
C544	87-010-546-089	CAP,E	0.33-50 SME	C815	87-018-134-089	CAP,TC-U	0.01-16 Y
C545	87-010-400-089	CAP,E	0.47-50 SME	C819	87-010-197-089	C-CAP,S	0.01-25 B
C546	87-010-400-089	CAP,E	0.47-50 SME	C820	87-010-408-089	CAP,E	47-50 SME
C547	87-015-632-089	C-CAP,0.015-50 BK<HE,HR>		C821	87-010-197-089	C-CAP,S	0.01-25 B
C547	87-015-822-089	C-CAP,0.022<EXCEPT HE,HR>		C823	87-010-197-089	C-CAP,S	0.01-25 B
C548	87-015-632-089	C-CAP,0.015-50 BK<HE,HR>		C828	87-010-197-089	C-CAP,S	0.01-25 B
C548	87-015-822-089	C-CAP,0.022<EXCEPT HE,HR>		C829	87-010-197-089	C-CAP,S	0.01-25 B
C553	87-015-627-089	C-CAP,1000P-50 B		C830	87-015-819-089	CHIP CAP	0.01
C554	87-015-627-089	C-CAP,1000P-50 B		C835	87-010-197-089	C-CAP,S	0.01-25 B
C557	87-010-178-089	C-CAP,S	1000P-50 B	C901	87-010-197-089	C-CAP,S	0.01-25 B
C558	87-010-178-089	C-CAP,S	1000P-50 B	C902	87-010-196-089	C-CAP,S	0.1-25 F
C601	87-010-178-089	C-CAP,S	1000P-50 B	C903	87-010-119-089	CAP,TC-U	100P-50 B
C602	87-010-178-089	C-CAP,S	1000P-50 B	C941	87-010-314-089	C-CAP,S	22P-50 CH<HE,HR>
C603	87-010-405-089	CAP,E	10-50 SME	C943	87-010-197-089	C-CAP,S	0.01-25 B<HE,HR>
C604	87-010-405-089	CAP,E	10-50 SME	C944	87-014-051-089	CAP,PP	560P-100 J<HE,HR>
C605	87-010-260-089	CAP,E	47-25 SME	C945	87-010-197-089	C-CAP,S	0.01-25 B<HE,HR>
C606	87-010-101-089	CAP,E	220-16 SME	C946	87-010-401-089	CAP,E	1-50 SME
C607	87-010-188-089	C-CAP,S	6800P-50 B	C950	87-014-073-089	CAP,PP	4700P-100 J<HE,HR>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C952	87-010-197-089		C-CAP,S 0.01-25 B<HE,HR>	C201	87-015-698-049		CAP,E 4.7-50 7L
C953	87-010-197-089		C-CAP,S 0.01-25 B<HE,HR>	C202	87-015-698-049		CAP,E 4.7-50 7L
C954	87-010-400-089		CAP,E 0.47-50<HE,HR>	C203	87-010-392-049		CAP,E 33-35 SME
C956	87-010-263-089		CAP,E 100-10 SME 5X11<HE,HR>	C204	87-010-401-049		CAP,E 1-50 SME
C960	87-010-196-089		C-CAP,S 0.1-25 F	C205	87-010-263-049		CAP,E 100-10
C961	87-010-152-089		C-CAP,S 8P-50 CH<EXCEPT HE,HR>	C206	87-A10-116-049		CAP,E 330-6.3 GAS
C987	87-018-134-089		CAP,TC-U 0.01-16 Y	C207	87-010-494-049		CAP,E 1-50 GAS
C990	87-010-197-089		C-CAP,S 0.01-25 B	C208	87-010-196-089		C-CAP,S 0.1-25 F
C993	87-018-134-089		CAP,TC-U 0.01-16 Y	C209	87-012-155-089		C-CAP,S 180P-50 CH
C995	87-010-197-089		C-CAP,S 0.01-25 B	C210	87-010-150-089		C-CAP,S 6P-50 CH
C999	87-010-196-089		C-CAP,S 0.1-25 F	C211	87-015-689-049		CAP,E 10-35 7L
CF801	87-008-261-019		FLTR,SFE10.7MA5-A	C212	87-010-498-049		CAP,E 10-16 GAS
CF802	87-008-261-019		FLTR,SFE10.7MA5-A	C213	87-010-196-089		C-CAP,S 0.1-25 F
FEE801	86-NF4-670-019		FE PACK 2 EX-N	C214	87-010-196-089		C-CAP,S 0.1-25 F
FR121	87-029-060-089		RES,FUSE 33-1/4W J<LH,HE,HR>	C215	87-010-196-089		C-CAP,S 0.1-25 F
FR122	87-029-060-089		RES,FUSE 33-1/4W J<LH,HE,HR>	C223	87-010-178-089		C-CAP,S 1000P-50 B
J252	87-A60-024-019		JACK 6.3BLK W/S WKM	C250	87-010-178-089		C-CAP,S 1000P-50 B
J253	87-099-802-019		JACK,PIN 3P BRW	C251	87-010-196-089		C-CAP,S 0.1-25 F
J254	87-033-240-019		TERMINAL,SP 4P32SV1-05	C381	87-010-196-089		C-CAP,S 0.1-25 F
J652	87-099-741-019		JACK,PIN 2P (JT)	C382	87-010-196-089		C-CAP,S 0.1-25 F
J801	87-033-239-019		TERMINAL,HSP-154V-2	C383	87-010-196-089		C-CAP,S 0.1-25 F
L101	87-003-383-019		COIL,1UH-S	C384	87-010-196-089		C-CAP,S 0.1-25 F
L102	87-003-383-019		COIL,1UH-S	C385	87-010-322-089		C-CAP,S 100P-50 CH
L403	87-007-341-019		COIL,TRAP 85K	C389	87-010-196-089		C-CAP,S 0.1-25 F
L404	87-007-341-019		COIL,TRAP 85K	C401	87-010-196-089		C-CAP,S 0.1-25 F
L451	87-007-342-019		COIL,OSC 85K BIAS	C402	87-010-196-089		C-CAP,S 0.1-25 F
L701	87-A50-027-019		COIL,1 POLE MPX(TOK)	C501	87-010-553-049		CAP,E 47-16 GAS
L702	87-A50-027-019		COIL,1 POLE MPX(TOK)	C602	87-010-322-089		C-CAP,S 100P-50 CH
L741	87-A50-015-019		COIL,FM DET(TOK)	C603	87-010-177-089		C-CAP,S 820P-50 SL
L742	87-A90-051-019		FLTR,CPAZ-450(TOK)<EXCEPT HE,HR>	C604	87-010-186-089		C-CAP,S 4700P-50 B
L742	87-A90-052-019		FLTR,CFMT-450A(TOK)<HE,HR>	C605	87-010-491-049		CAP,E 0.22-50 GAS
L770	87-003-102-089		COIL,10UH	C606	87-010-196-089		C-CAP,S 0.1-25 F
L832	87-005-847-089		COIL,2.2UH(CECS)	C607	87-010-321-089		C-CAP,S 82P-50 CH
L941	87-A50-022-019		COIL,ANT SW(COI)<HE,HR>	C608	87-010-112-049		CAP,E 100-16
L942	87-A50-021-019		COIL,OSC SW(COI)<HE,HR>	C609	87-010-196-089		C-CAP,S 0.1-25 F
L943	87-005-372-089		COIL S 1 MH TAPG<HE,HR>	C611	87-010-248-049		CAP,E 220-10 SME
L944	87-003-131-089		COIL,10MH J<HE,HR>	C612	87-010-322-089		C-CAP,S 100P-50 CH
L981	86-NF4-665-019		AM PACK 1(TOK)<EXCEPT HE,HR>	C613	87-010-196-089		C-CAP,S 0.1-25 F
L981	86-NF4-666-019		AM PACK 3(TOK)<HE,HR>	C630	87-010-498-049		CAP,E 10-16 GAS
PR110	87-026-681-089		PROTECTOR,5A 60V 491<LH,HE,HR>	C640	87-010-406-049		CAP,E 22-50 SME
PR111	87-026-681-089		PROTECTOR,5A 60V 491<LH,HE,HR>	C646	87-010-196-089		C-CAP,S 0.1-25 F
PR112	87-026-689-089		PROTECTOR,1A 60V 491<LH,HE,HR>	C651	87-010-152-089		C-CAP,S 8P-50 CH
R105	87-022-600-089		RES,M/F 0.1-2W J	C652	87-010-152-089		C-CAP,S 8P-50 CH
R106	87-022-600-089		RES,M/F 0.1-2W J	C653	87-010-426-089		C-CAP,S 0.012-25 B
RY101	87-045-361-019		RELAY,DH12D2-OS(M)-2<LH,HE,HR>	C654	87-010-178-089		C-CAP,S 1000P-50 B
RY101	87-045-389-019		RELAY,OSA-SA-212DM5<8000U,8080U>	C656	87-012-358-089		C-CAP S 0.47-10FZ
RY102	87-045-382-019		RELAY,OUAZ-SH-112L	C657	87-010-196-089		C-CAP,S 0.1-25 F
SFR301	87-024-174-089		SFR33K DIA6 V	C658	87-010-263-049		CAP,E 100-10
SFR302	87-024-174-089		SFR33K DIA6 V	C659	87-010-263-049		CAP,E 100-10
SFR303	87-024-174-089		SFR33K DIA6 V	C661	87-010-177-089		C-CAP,S 820P-50 SL
SFR304	87-024-174-089		SFR33K DIA6 V	C664	87-012-141-089		C-CAP,S 0.22-16 F
SFR305	87-024-175-089		SFR,47K DIA6 V	C665	87-010-184-089		C-CAP,S 3300P-50 B
SFR306	87-024-175-089		SFR,47K DIA6 V	C666	87-010-426-089		C-CAP,S 0.012-25 B
SFR451	87-024-175-089		SFR,47K DIA6 V	C668	87-012-358-089		C-CAP S 0.47-10FZ
SFR452	87-024-175-089		SFR,47K DIA6 V	C669	87-010-404-049		CAP,E 4.7-50 SME
SFR722	87-024-171-089		SFR 4.7K DIA6 V	C670	87-010-404-049		CAP,E 4.7-50 SME
TC701	87-011-253-089		TRIMER,30P LAR	C671	87-012-156-089		C-CAP,S 220P-50 CH
TC941	87-011-254-089		TRIMER,20P LAR<HE,HR>	C675	87-010-182-089		C-CAP,S 2200P-50 B
TC942	87-011-253-089		TRIMER,30P LAR<HE,HR>	C714	87-010-263-049		CAP,E 100-10
TH241	87-A90-157-089		C-THMS,4.7K<HE>	FB601	87-008-372-089		FLTR,EMI BL 01RN1
VR651	82-NF5-660-019		VR 50K BX2 RK14K 12A	FL101	86-NF5-603-019		FL,BJ454GK
W101	85-NF5-628-019		F-CABLE 7P-2.5	J601	82-NF7-630-019		JACK,3.5 MO
W301	86-NF5-618-019		CONN ASSY,8P RPB	J621	82-NF7-630-019		JACK,3.5 MO
W604	85-NF5-617-019		CABLE,FFC 6P-1.25	L201	87-A50-052-019		COIL,CLOCK 5.76MHZ T1
X703	84-508-618-019		VIB,CER CSB 456 F/5	L650	87-005-487-089		COIL,150UH J FLR50
X721	87-030-372-019		VIB,XTAL 7.2MHZ	LED401	87-070-281-089		LED,SLZ736A-25-S-T
X722	87-030-354-019		VIB,CF BFU450C<HE,HR>	LED402	87-070-281-089		LED,SLZ736A-25-S-T
				LED403	87-070-281-089		LED,SLZ736A-25-S-T
				LED404	87-070-281-089		LED,SLZ736A-25-S-T
				LED405	87-070-281-089		LED,SLZ736A-25-S-T

FRONT C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
LED406	87-070-281-089		LED,SLZ736A-25-S-T	MVR751	86-NF5-617-019		VR,RTRY 50KBX2 W/S
LED407	87-070-199-089		LED,SLP738F-81-S-T1				
LED408	87-070-199-089		LED,SLP738F-81-S-T1				
LED409	87-070-199-089		LED,SLP738F-81-S-T1	KEY C.B			
LED410	87-070-199-089		LED,SLP738F-81-S-T1				
				S349	87-036-215-089		SW,TACT EVQ21404M
LED411	87-070-199-089		LED,SLP738F-81-S-T1	S350	87-036-215-089		SW,TACT EVQ21404M
LED412	87-070-199-089		LED,SLP738F-81-S-T1	S351	87-036-215-089		SW,TACT EVQ21404M
LED413	87-070-199-089		LED,SLP738F-81-S-T1	S352	87-036-215-089		SW,TACT EVQ21404M
LED414	87-070-199-089		LED,SLP738F-81-S-T1	S353	87-036-215-089		SW,TACT EVQ21404M
LED420	87-070-201-089		LED,SLP9118C-51-S-T1				
				AC C.B			
LED421	87-070-201-089		LED,SLP9118C-51-S-T1	△ CF101	87-033-213-088		CLAMP FUSE SMK<8000U,8080U>
LED422	87-070-201-089		LED,SLP9118C-51-S-T1	△ CF102	87-033-213-089		CLAMP FUSE SMK<8000U,8080U>
LED423	87-070-201-089		LED,SLP9118C-51-S-T1	△ CF103	87-033-213-088		CLAMP FUSE SMK<8000U,8080U>
LED424	87-070-278-019		LED,SLZ-738A-24-S	△ CF104	87-033-213-089		CLAMP FUSE SMK<8000U,8080U>
LED425	87-070-278-019		LED,SLZ-738A-24-S	△ F101	87-035-406-019		FUSE,5A 125V ULD<8000U,8080U>
LED426	87-070-278-019		LED,SLZ-738A-24-S	△ F102	87-035-406-019		FUSE,5A 125V ULD<8000U,8080U>
LED427	87-070-278-019		LED,SLZ-738A-24-S	△ PR101	87-026-682-089		PROTECTOR,10A 60V 491<LH,HE,HR>
LED428	87-070-290-019		LED,SLZ 936-30-S	△ PR102	87-026-682-089		PROTECTOR,10A 60V 491<LH,HE,HR>
LED429	87-070-290-019		LED,SLZ 936-30-S				
LED451	87-070-201-089		LED,SLP9118C-51-S-T1				
				PT C.B			
LED452	87-070-201-089		LED,SLP9118C-51-S-T1	△	82-304-743-019		TERMINAL,1P<LH,HE,HR>
LED453	87-070-201-089		LED,SLP9118C-51-S-T1	△	82-304-743-019		TERMINAL,1P<8000U,8080U>
LED454	87-070-201-089		LED,SLP9118C-51-S-T1	△ CF109	87-033-213-088		CLAMP FUSE SMK<8000U,8080U>
LED455	87-070-201-089		LED,SLP9118C-51-S-T1	△ CF109	87-033-147-019		CLAMP,FUSE<LH,HE,HR>
LED456	87-070-201-089		LED,SLP9118C-51-S-T1	△ CF110	87-033-213-089		CLAMP FUSE SMK<8000U,8080U>
S301	87-036-215-089		SW,TACT EVQ21404M	△ CF110	87-033-147-019		CLAMP,FUSE<LH,HE,HR>
S302	87-036-215-089		SW,TACT EVQ21404M	△ F109	87-035-369-019		FUSE,5A 250V T E<LH,HE,HR>
S303	87-036-215-089		SW,TACT EVQ21404M	△ F109	87-035-191-019		FUSE,T 3.15A 250V<8000U,8080U>
S304	87-036-215-089		SW,TACT EVQ21404M	△ PT001	86-NF5-606-019		PT,H 6NF-5<LH>
S305	87-036-215-089		SW,TACT EVQ21404M	△ PT001	86-NF5-616-019		PT,HE 6NF-5<HE,HR>
S321	87-036-215-089		SW,TACT EVQ21404M	△ PT001	86-NF5-607-019		PT,U 6NF-5<8000U,8080U>
S322	87-036-215-089		SW,TACT EVQ21404M	△ SW101	87-036-387-019		SW,SL 1-2-3<LH,HE,HR>
S323	87-036-215-089		SW,TACT EVQ21404M				
S324	87-036-215-089		SW,TACT EVQ21404M	DECK C.B			
S325	87-036-215-089		SW,TACT EVQ21404M				
				SFR1	87-024-581-089		SFR,3.3K DIA 6H
S326	87-036-215-089		SW,TACT EVQ21404M	SOL1	82-ZM1-618-310		SOL ASSY,27
S327	87-036-215-089		SW,TACT EVQ21404M	SOL2	82-ZM1-626-310		SOL ASSY,27K
S328	87-036-215-089		SW,TACT EVQ21404M	SW1	87-036-378-019		SW,PUSH 1-1-1 SH2
S341	87-036-215-089		SW,TACT EVQ21404M	SW2	87-036-378-019		SW,PUSH 1-1-1 SH2
S342	87-036-215-089		SW,TACT EVQ21404M				
				SW3	87-036-378-019		SW,PUSH 1-1-1 SH2
S343	87-036-215-089		SW,TACT EVQ21404M	SW4	87-036-378-019		SW,PUSH 1-1-1 SH2
S344	87-036-215-089		SW,TACT EVQ21404M	SW5	87-036-378-019		SW,PUSH 1-1-1 SH2
S345	87-036-215-089		SW,TACT EVQ21404M	SW6	87-036-378-019		SW,PUSH 1-1-1 SH2
S346	87-036-215-089		SW,TACT EVQ21404M	SW8	87-036-378-019		SW,PUSH 1-1-1 SH2
S347	87-036-215-089		SW,TACT EVQ21404M				
				HEAD-1 C.B			
S348	87-036-215-089		SW,TACT EVQ21404M				
VR601	82-NK7-616-019		VR,10KB RK11K1130	HEAD-2 C.B			
VR602	82-NK7-615-019		VR,10KA RK11K1130				
W104	88-913-181-119		FF-CABLE,13P 1.25				
W301	83-NF8-613-019		F-CABLE 2P-2.0 KEY				
W501	88-915-181-119		FF-CABLE,15P 1.25				
W801	88-910-131-119		FF-CABLE,10P 1.25				
MVR C.B							
C701	87-010-401-089		CAP,E 1-50 SME				
C702	87-010-401-089		CAP,E 1-50 SME				
C703	87-010-993-089		C-CAP,S 0.056-25 B				
C704	87-010-993-089		C-CAP,S 0.056-25 B				
C705	87-012-393-089		C-CAP,S 0.022-16 RK				
C706	87-012-393-089		C-CAP,S 0.022-16 RK				
C707	87-010-182-089		C-CAP,S 2200P-50 B				
C708	87-010-182-089		C-CAP,S 2200P-50 B				
C709	87-012-393-089		C-CAP,S 0.22-16,R,K				
C710	87-012-393-089		C-CAP,S 0.22-16,R,K				
C711	87-016-081-089		C-CAP,S 0.1-16 RK				
C712	87-010-405-089		CAP,E 10-50 SME				
C713	87-010-260-089		CAP,E 47-25 SME				
C715	87-010-401-089		CAP,E 1-50 SME				
C751	87-010-198-089		C-CAP,S 0.022-25 B				

TRANSISTOR ILLUSTRATION



E C B

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2SC3266GR
KTA1266GR
KTC3198GR



E C B

2SA952K
2SD655E
2SA970GR



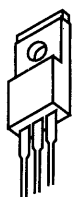
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B C E

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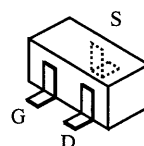
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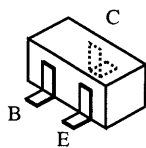


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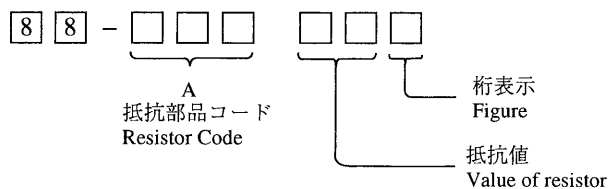
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DTA144EK
DTA143EK
DTA124EK
DTC144WK
2SD2114 K,U,V

○ 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



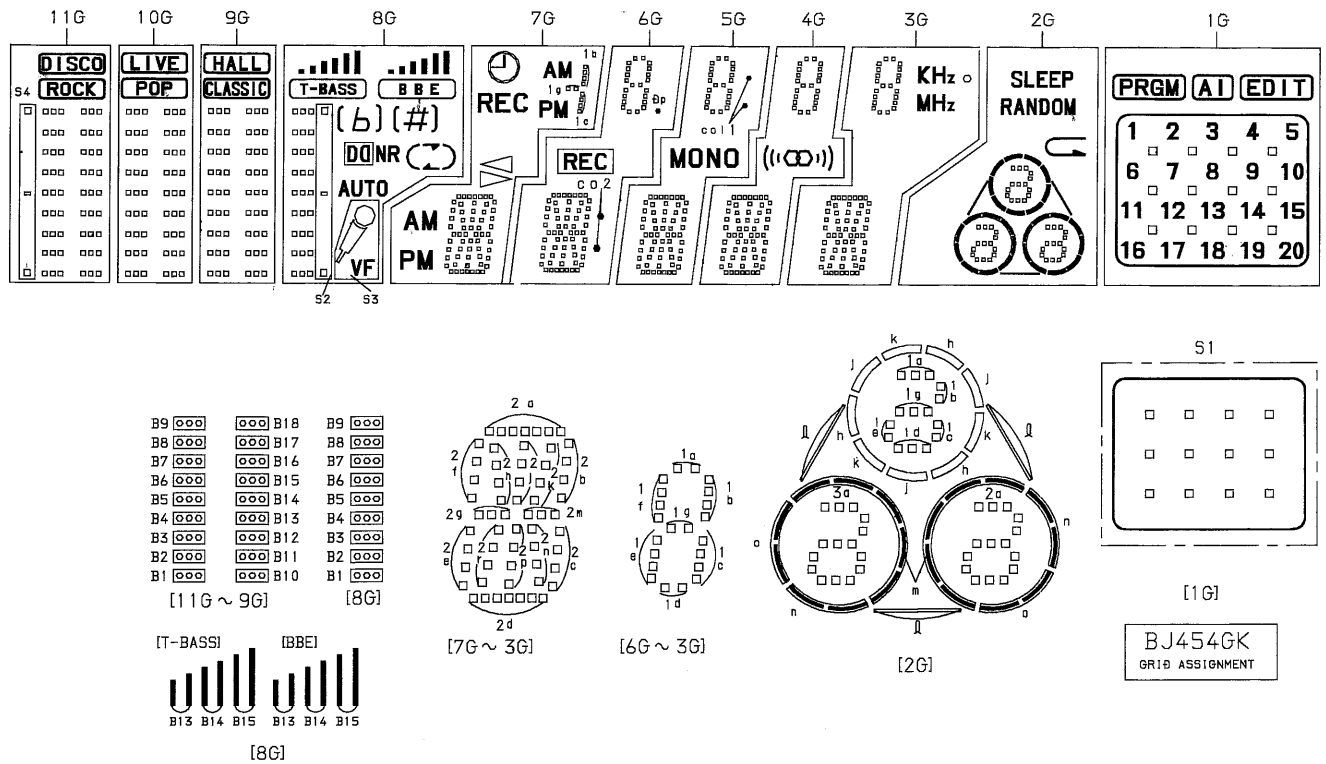
チップ抵抗
Chip resistor

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

FL GRID ASSIGNMENT & ANODE CONNECTION

FL, BJ454GK

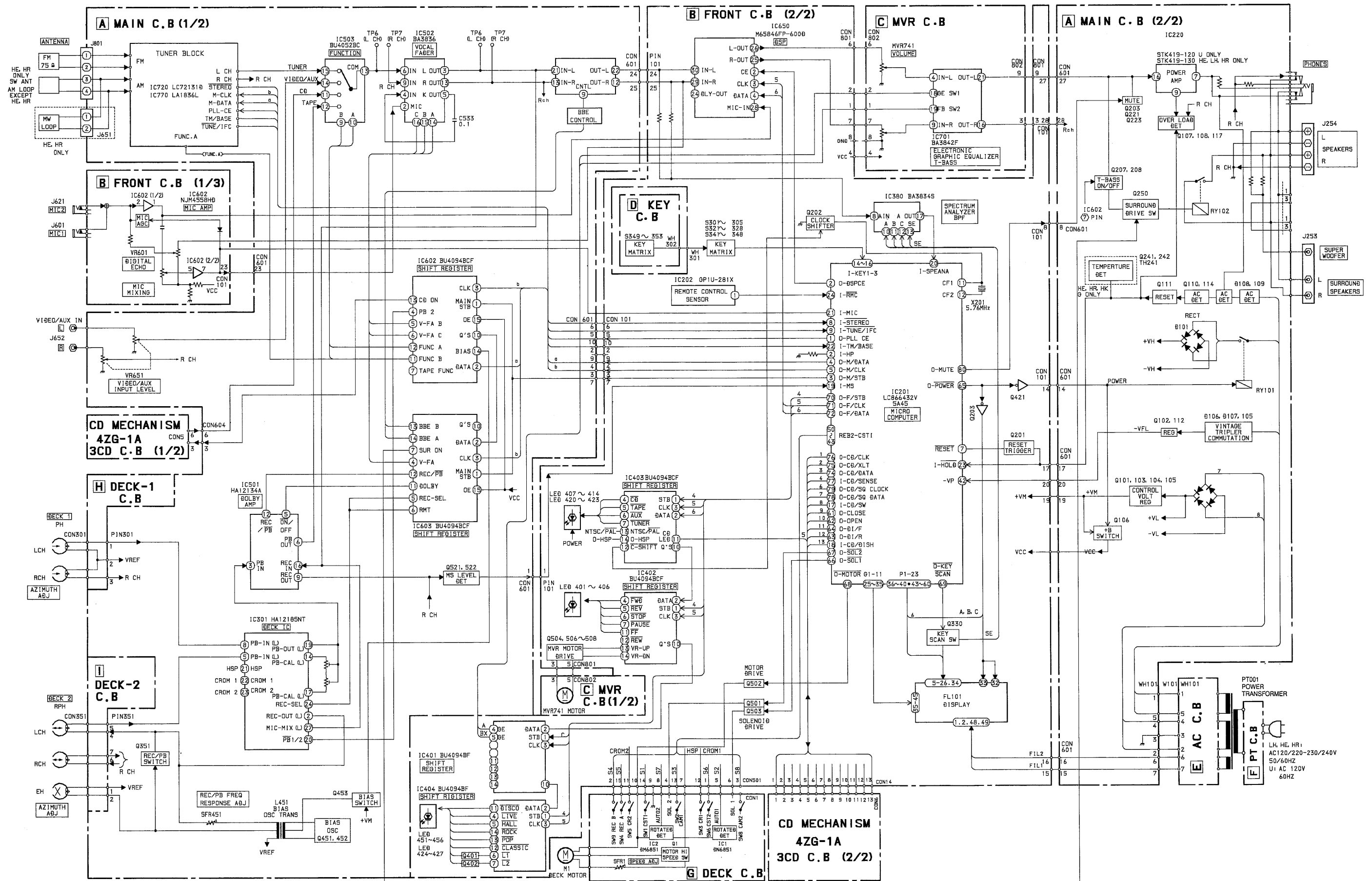
GRID ASSIGNMENT



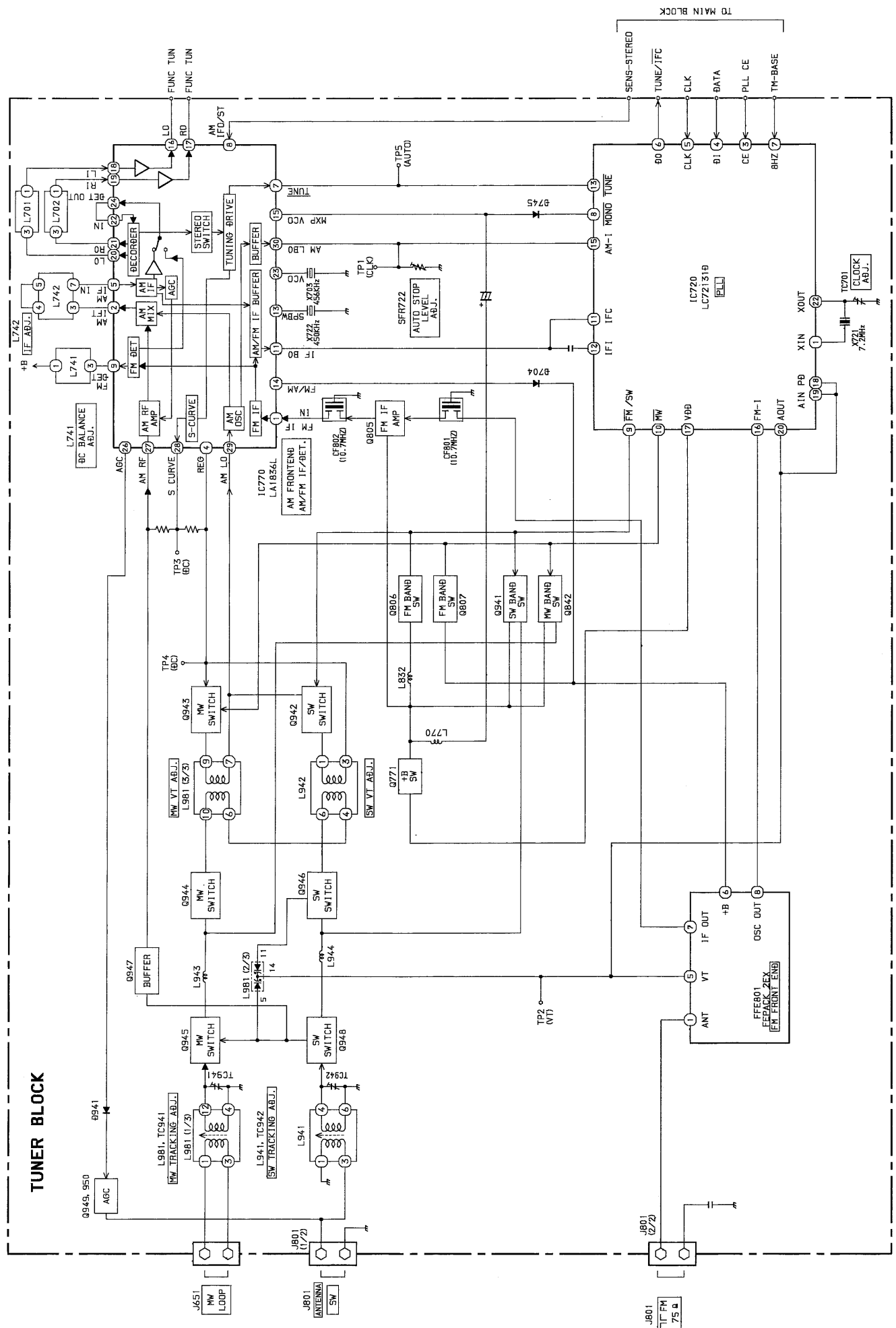
ANODE CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	B10	B10	B10	S3	d	d	d	d	d	n	20
P2	B1	B1	B1	B1	j, p	j, p	j, p	j, p	j, p	o	19
P3	B11	B11	B11	AUTO	n	n	n	n	n	3e	18
P4	B2	B2	B2	B2	r	r	r	r	r	3c	17
P5	B12	B12	B12	DO NR	c	c	c	c	c	3a, 3d, 3g	16
P6	B3	B3	B3	B3	e	e	e	e	e	3b	15
P7	B13	B13	B13	(	m	m	m	m	m	2e	14
P8	B4	B4	B4	B4	g	g	g	g	g	2c	13
P9	B5	B5	B5	B5	f	f	f	f	f	2a, 2d, 2g	11
P10	B15	B15	B15	b #	b	b	b	b	b	l	10
P11	B6	B6	B6	B6	k	k	k	k	k	j	9
P12	B16	B16	B16	)	h	h	h	h	h	h	8
P13	B7	B7	B7	B7	a	a	a	a	a	k	7
P14	B14	B14	B14	([#)	PM [LOWER]	col 2	col 1 [UPPER]	—	KHz	2b	12
P15	B17	B17	B17	([b]	AM [LOWER]	REC	MONO	((((()))	o	1e	6
P16	B8	B8	B8	B8	>	dp	col 1 [UPPER]	—	MHz	1a, 1d, 1g	5
P17	B18	B18	B18	B12	<	1d	1d	1d	1d	1c	4
P18	B9	B9	B9	B9	REC	1e	1e	1e	1e	1b	3
P19	[ROCK]	[POP]	[CLASSIC]	B13	PM [UPPER]	1c	1c	1c	1c	—	2
P20	[DISCO]	[LIVE]	[HALL]	B14	1g	1g	1g	1g	1g	m	1
P21	—	—	—	B11	1b, 1c	1f	1f	1f	1f	G	[EDIT]
P22	DISCO	LIVE	HALL	B10	⊙	1b	1b	1b	1b	SLEEP	[AI]
P23	ROCK	POP	CLASSIC	B15	AM [UPPER]	1a	1a	1a	1a	RANDOM	[PRGM]
P24	S4	—	—	S2	Z	—	—	—	—	—	S1
P25	—	—	—	BBE	—	—	—	—	—	—	—

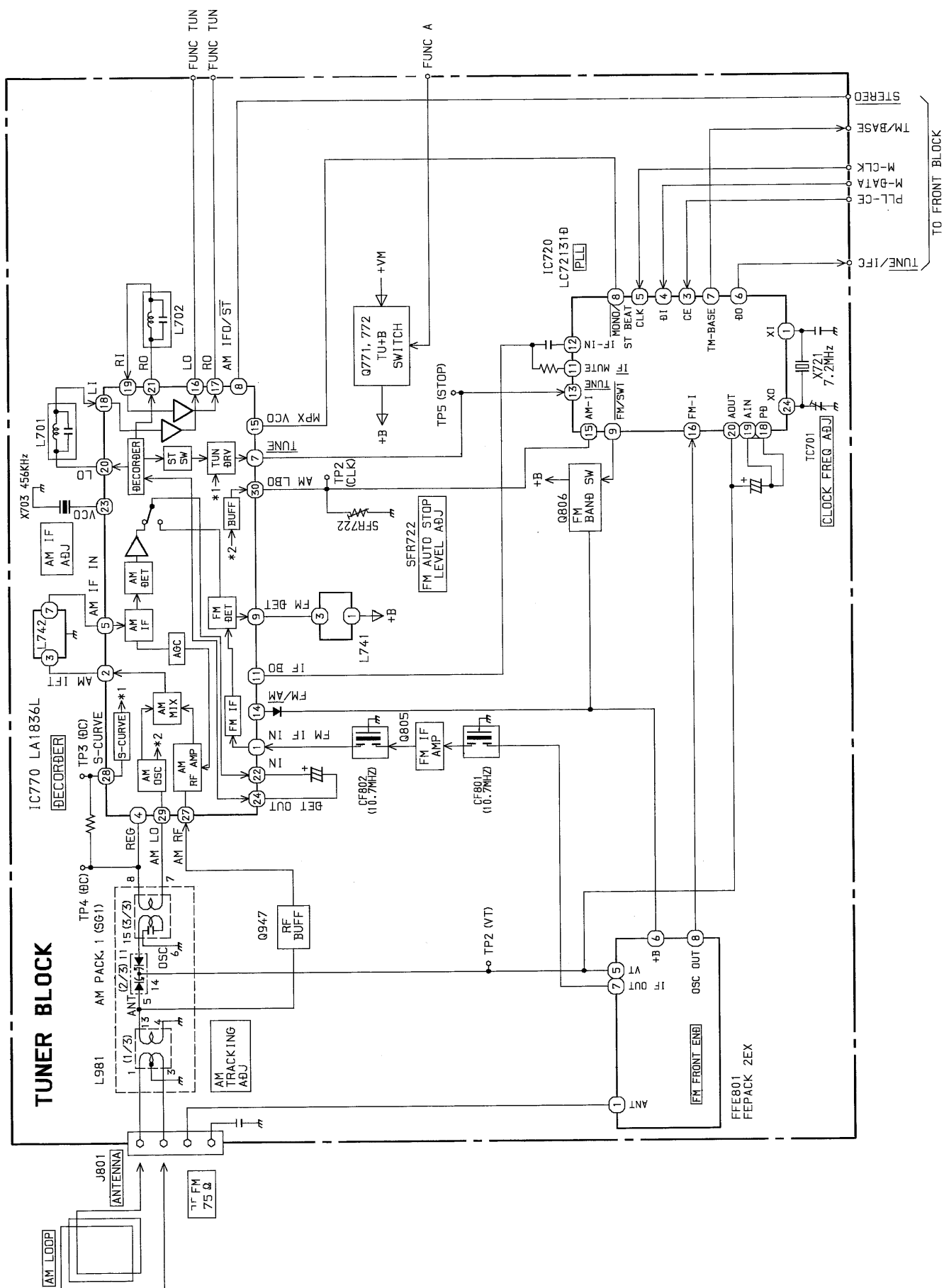
BLOCK DIAGRAM-1 (MAIN / FRONT)

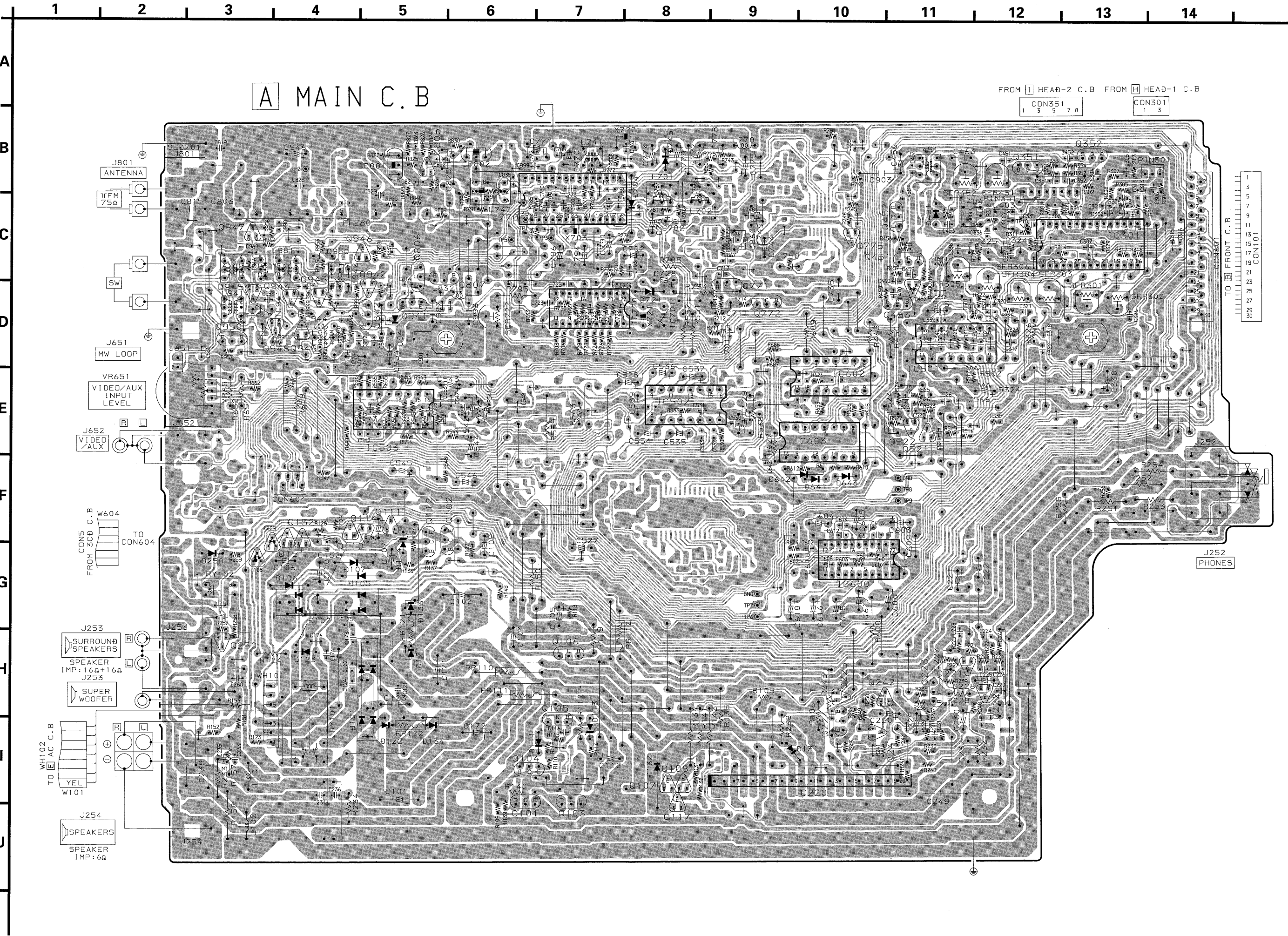


BLOCK DIAGRAM-2 (TUNER : HE,HR)



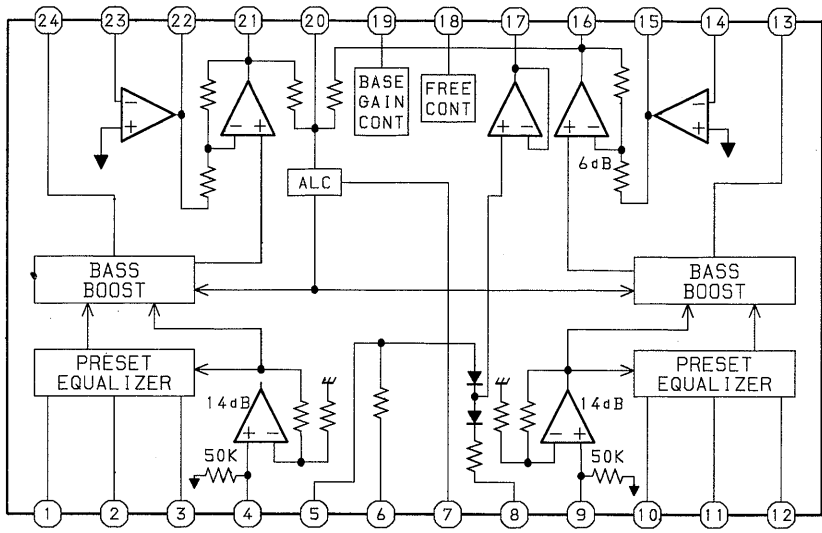
BLOCK DIAGRAM-3 (TUNER : LH,U)



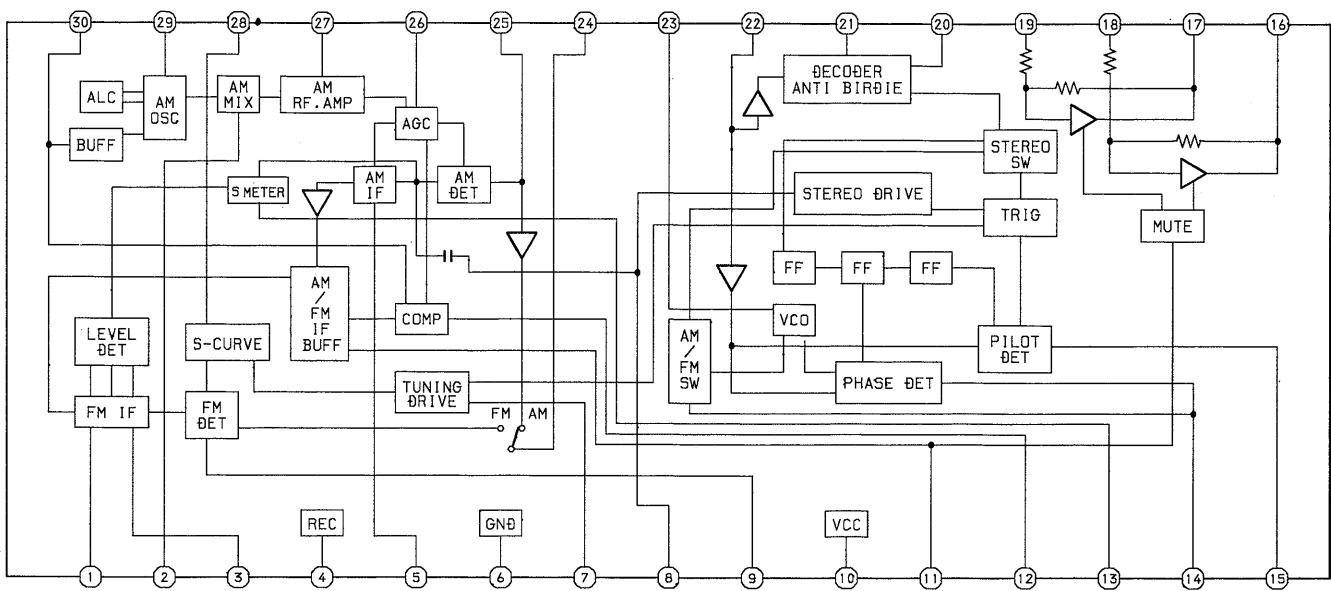


IC BLOCK DIAGRAM-1

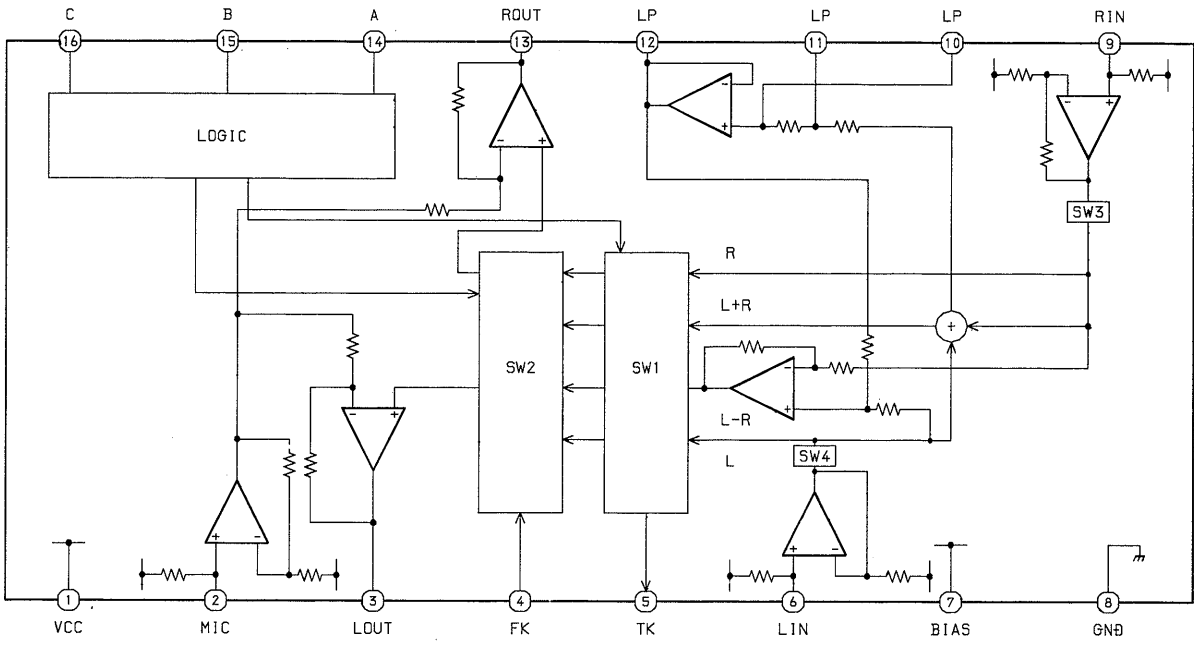
IC, BA3842F



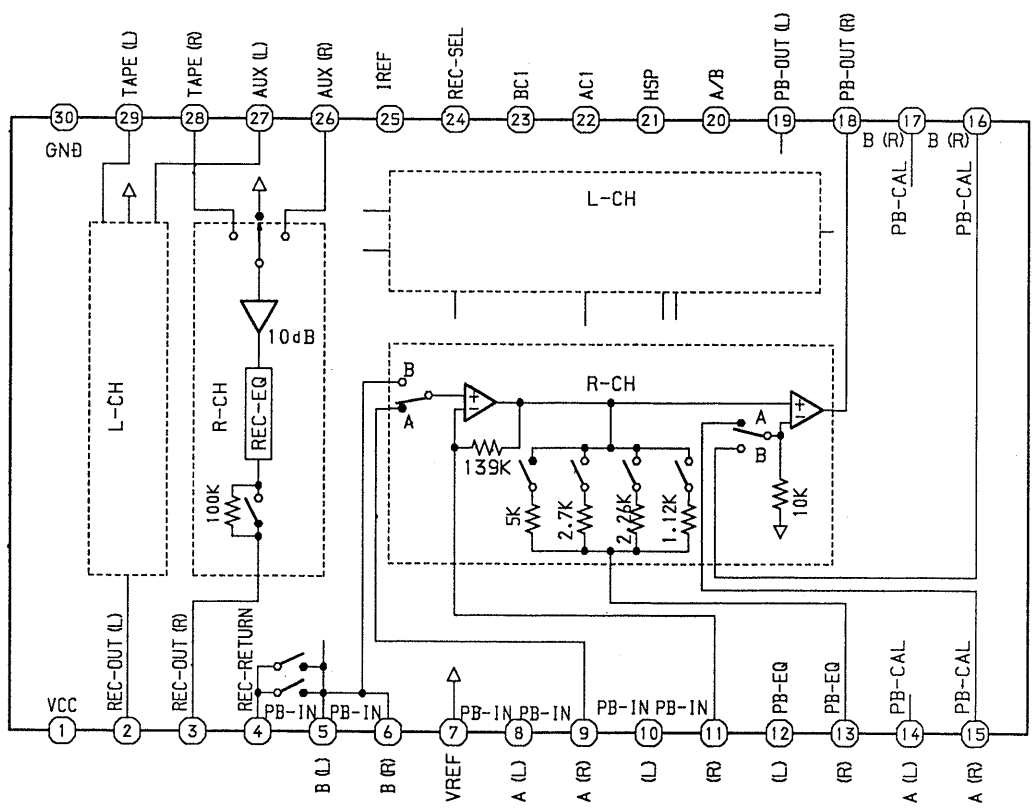
IC, LA1836L



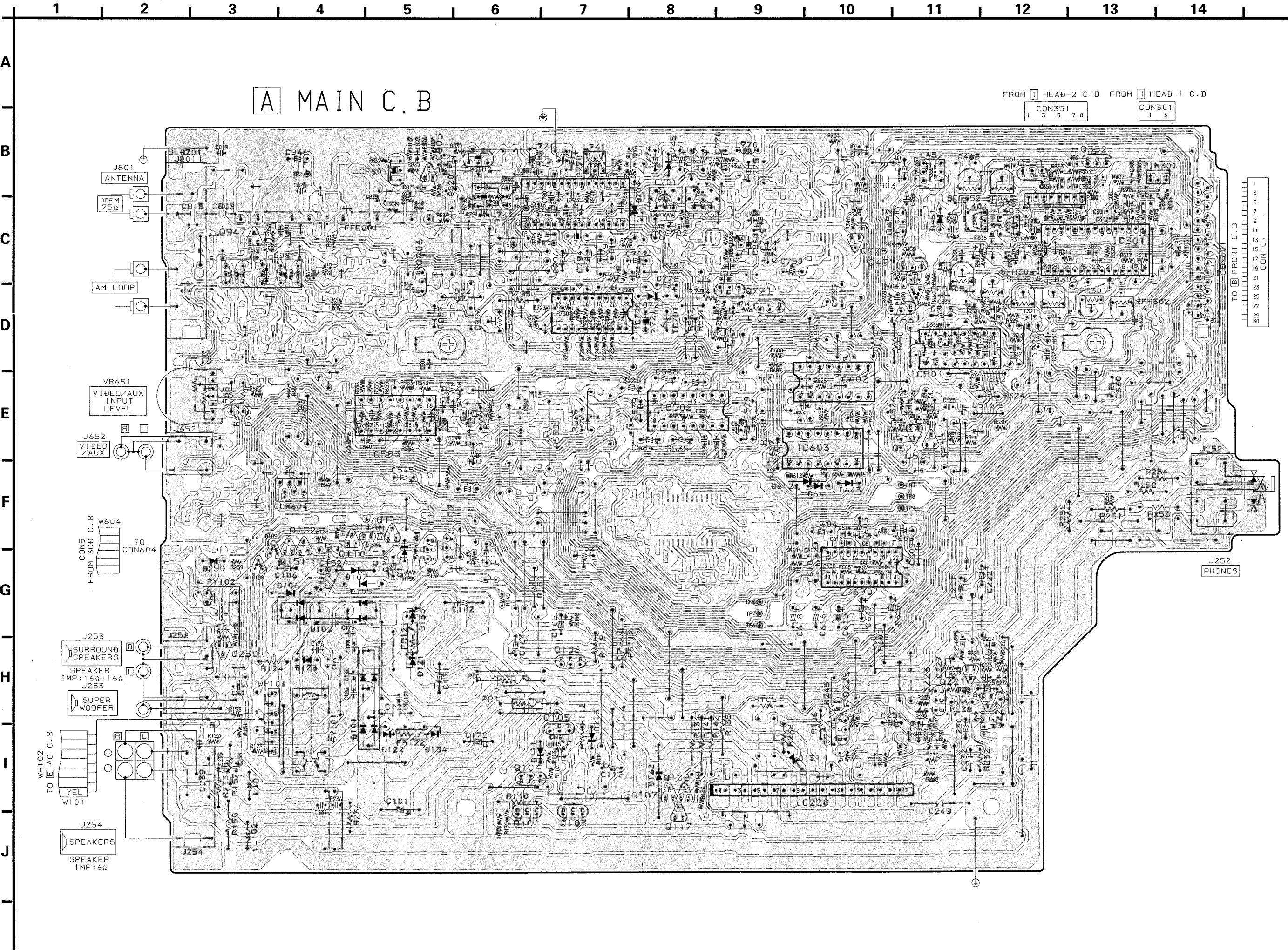
IC, BA3836



IC, HA12185NT

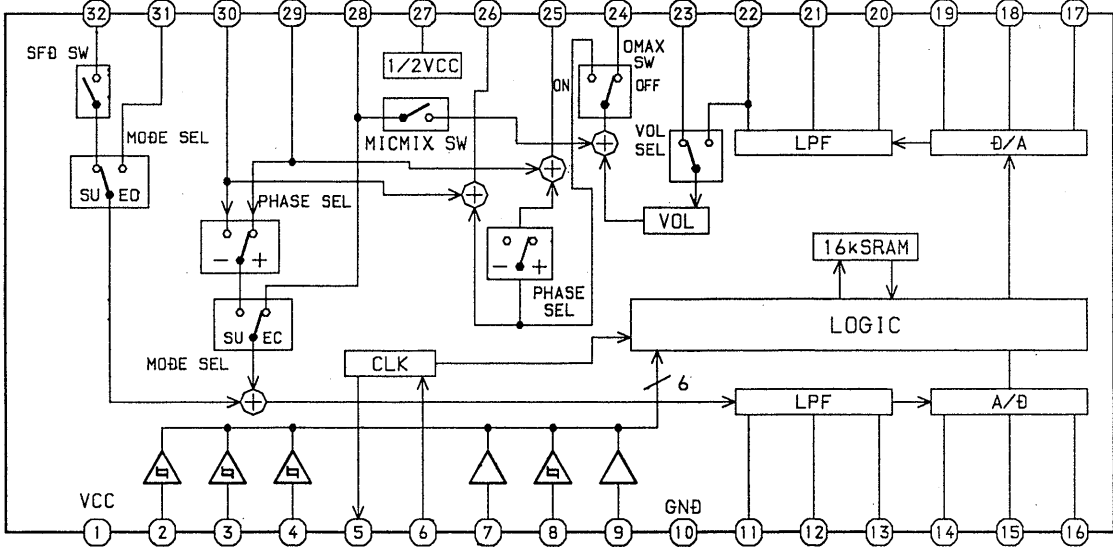


WIRING-2 (MAIN : LH)

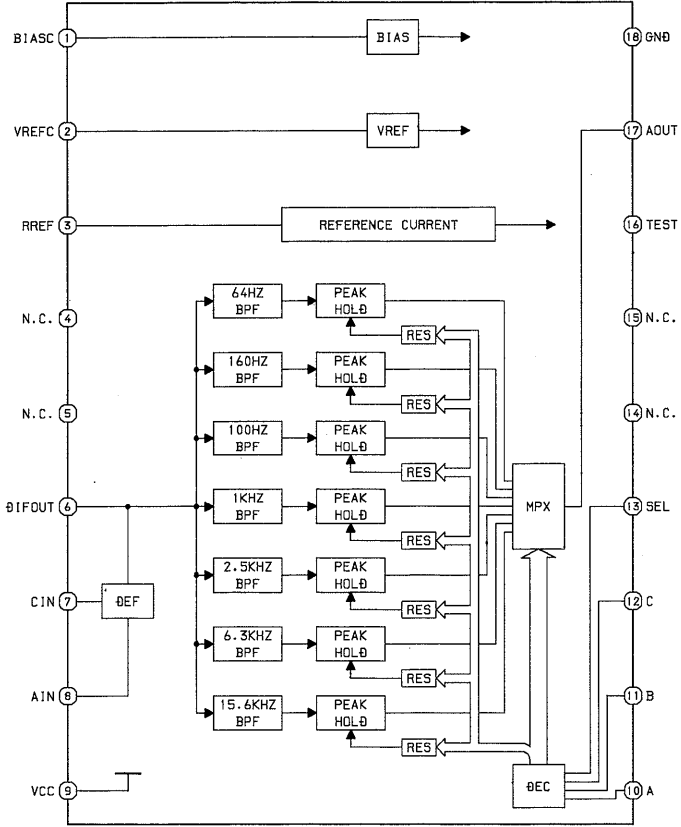


IC BLOCK DIAGRAM-2

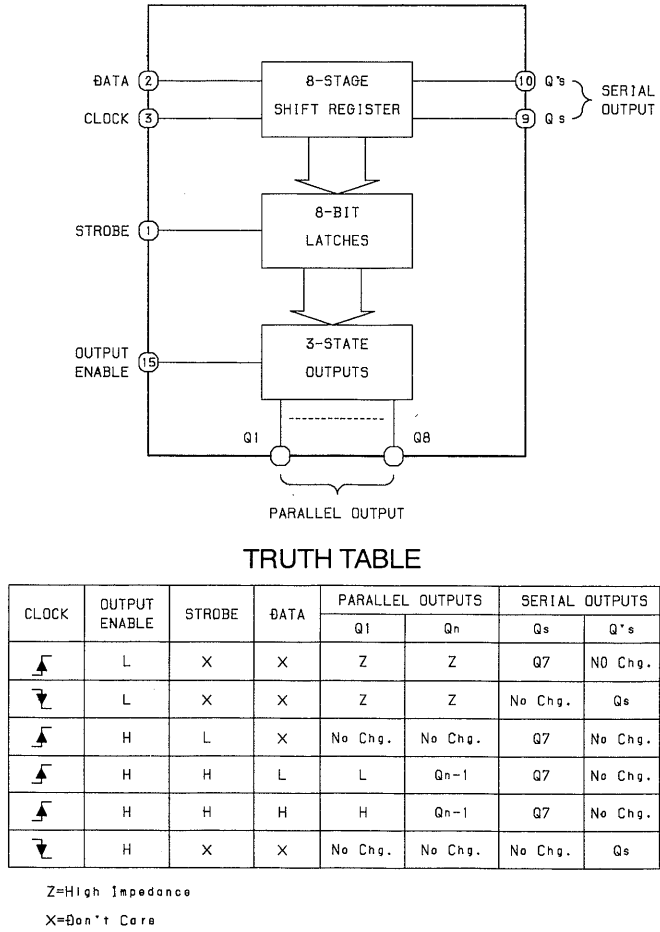
IC, M65846FP-600D



IC, BA3834S



IC, BU4094BF/BCF

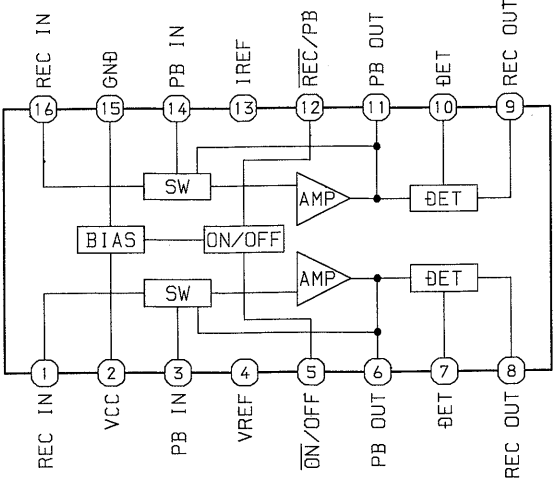


TRUTH TABLE

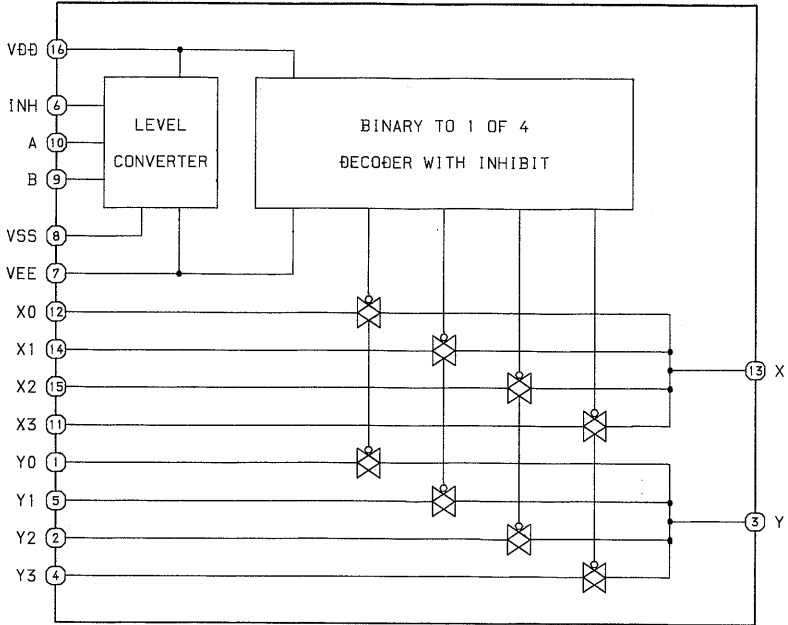
INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE

X: DON'T CARE.

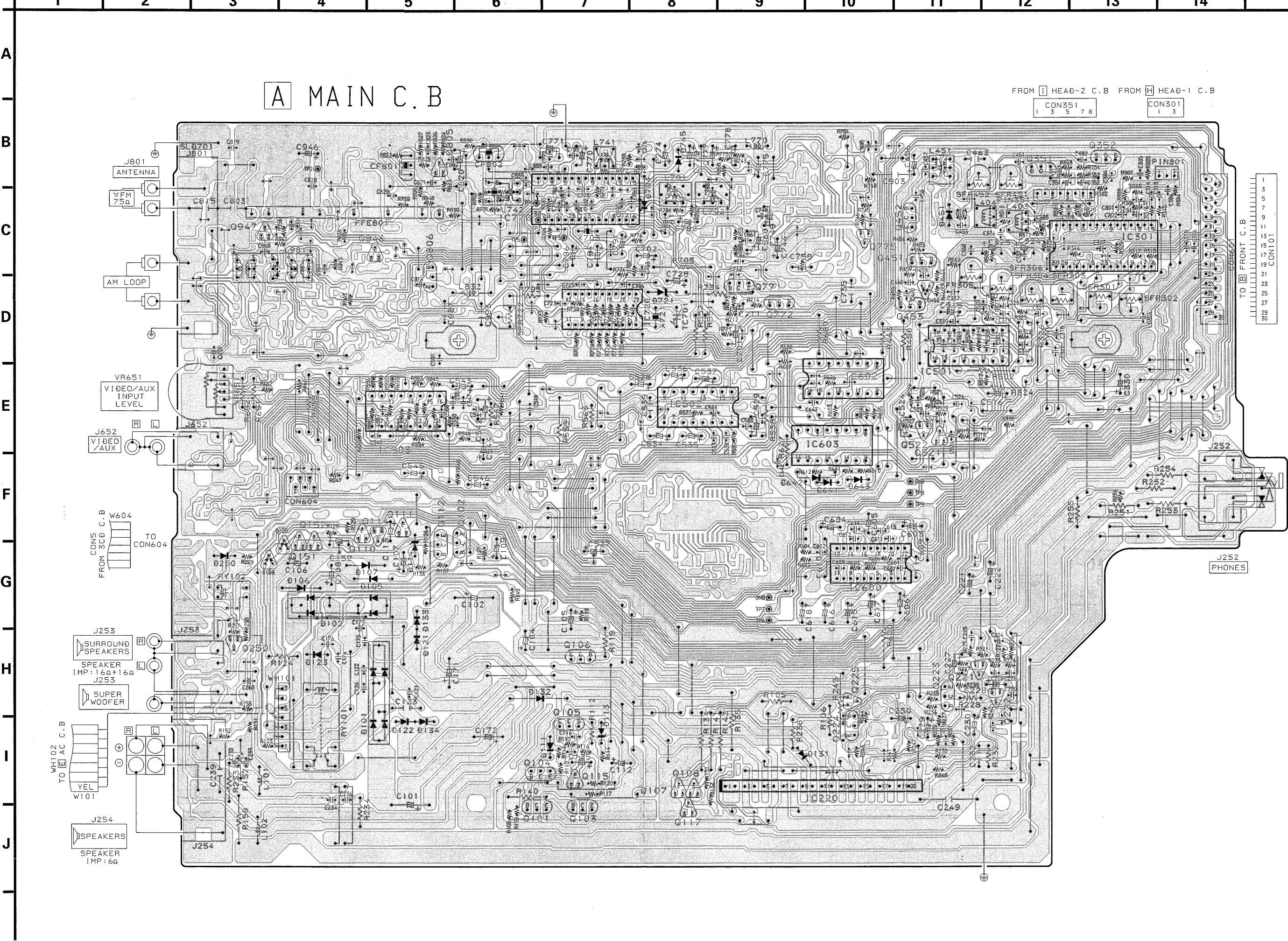
IC, HA12134A

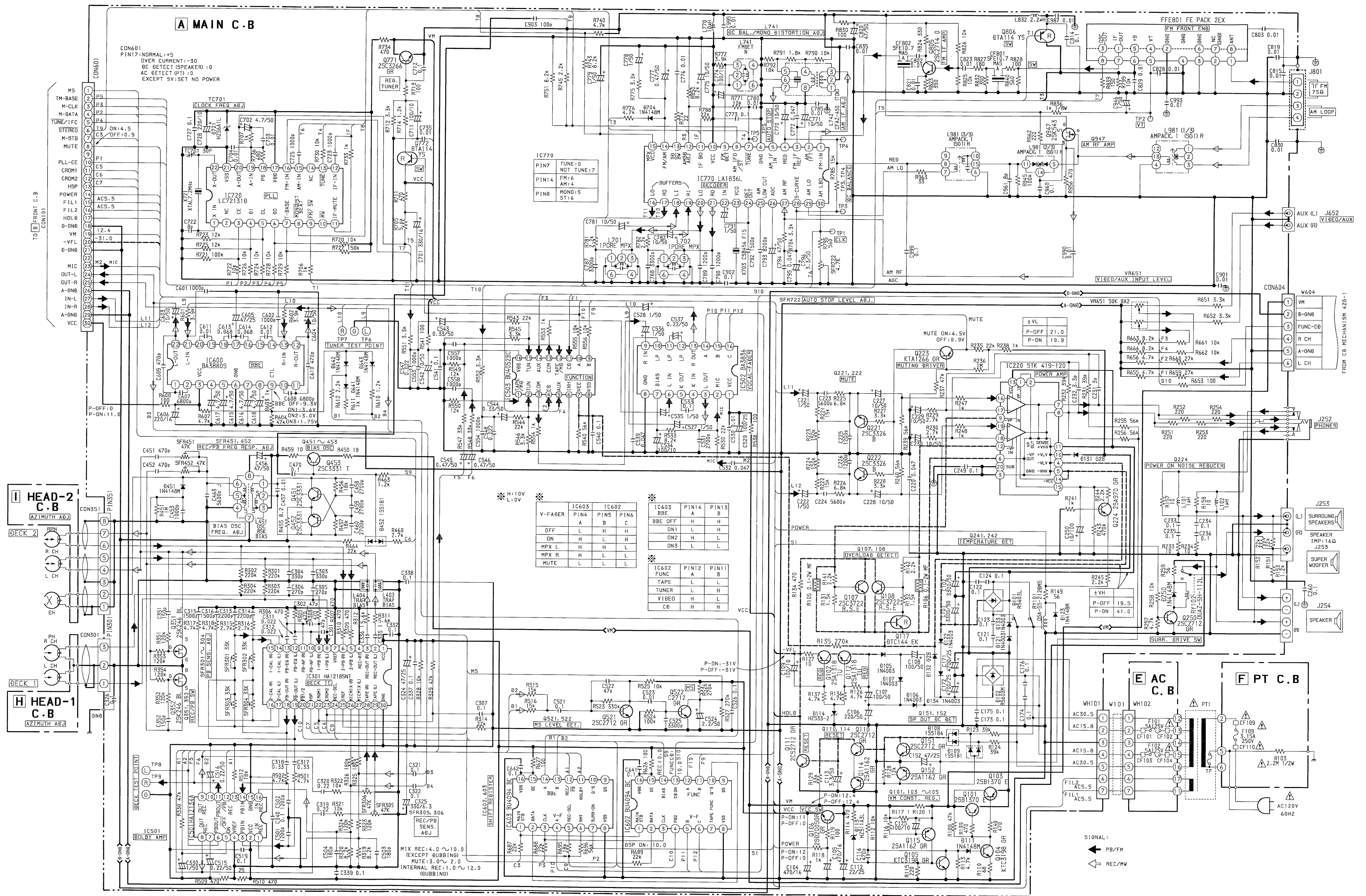


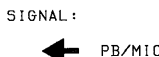
IC, BU4052BC

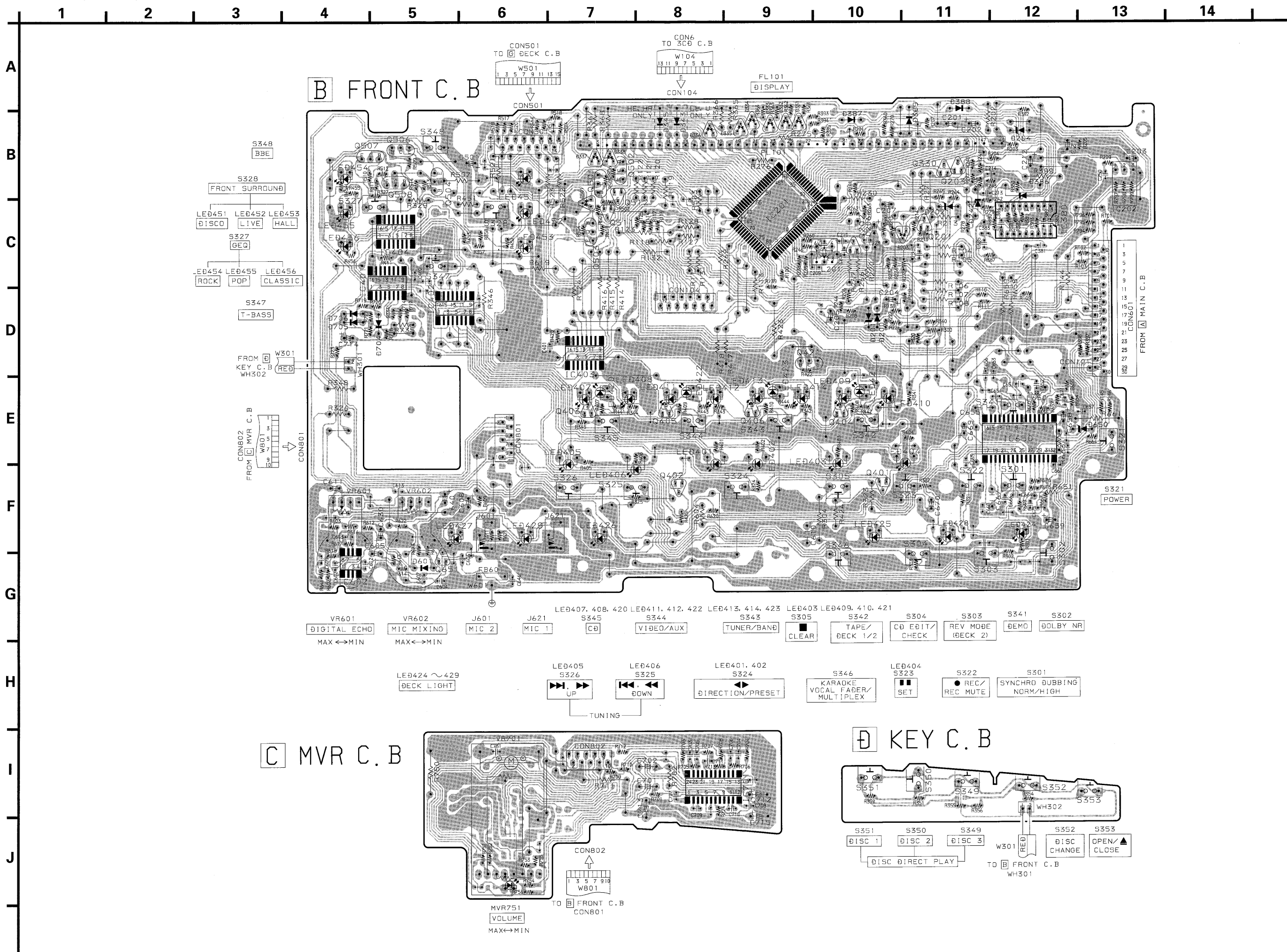


WIRING-3 (MAIN : U)

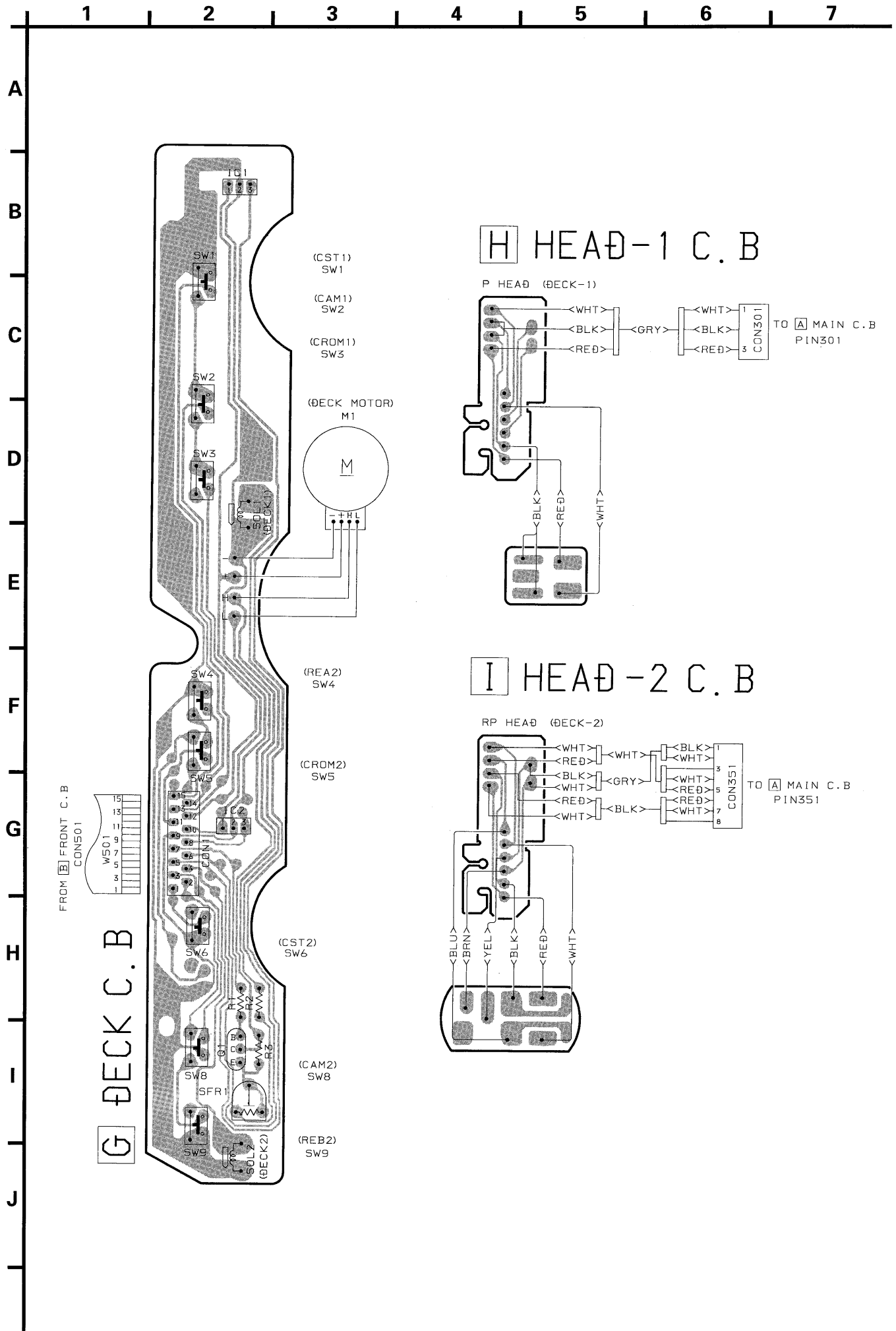


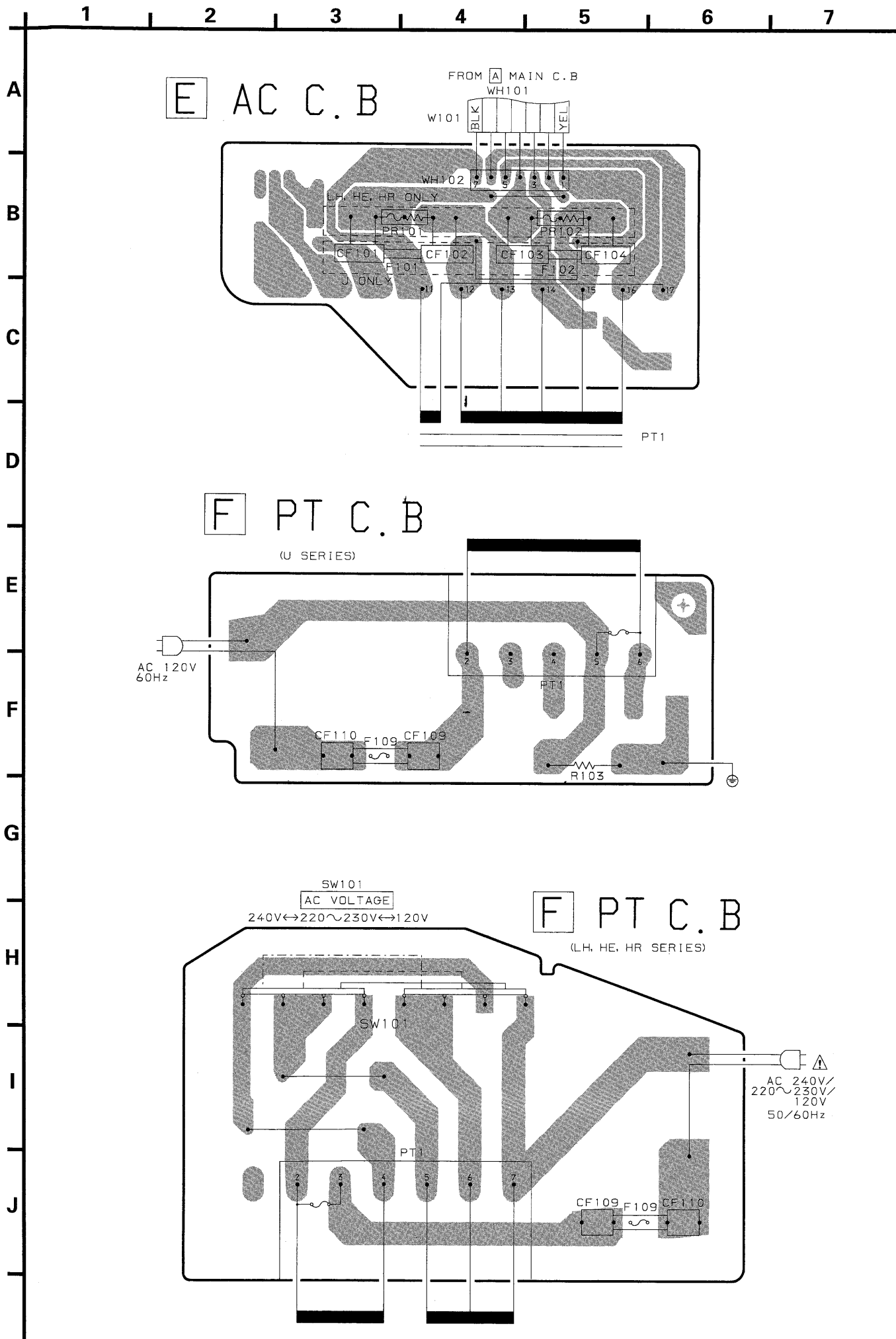






WIRING-5 (DECK)





IC DESCRIPTION

IC, LC866432V-5A45

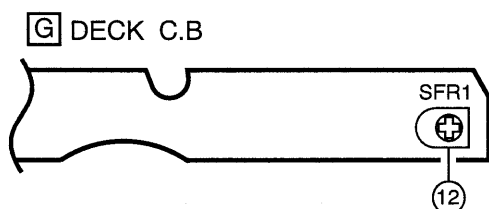
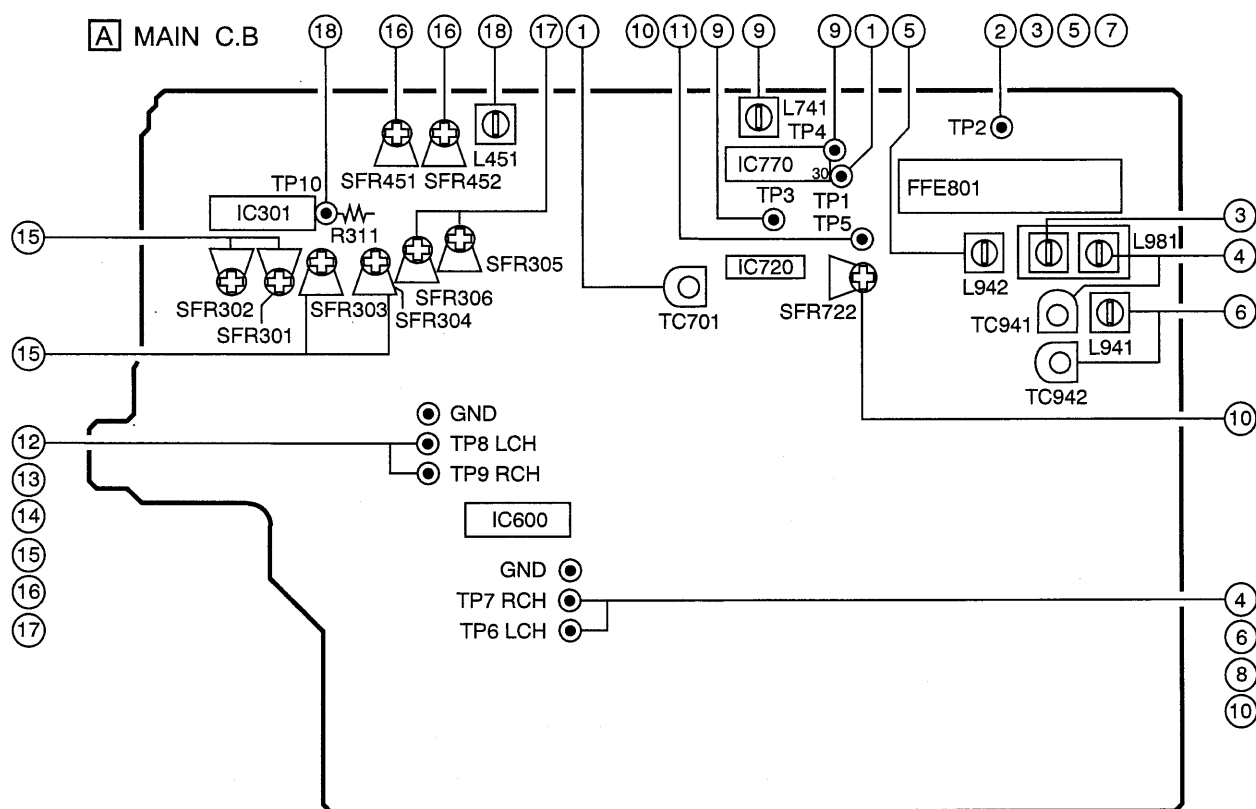
Pin No.	Pin Name	I/O	Description
1	O-PLL CE	O	PLL IC chip enable.
2	O-DSP/CE	O	DSP data latch strobe output.
3	O-M/STB	O	Main shift register data latch strobe output.
4	O-M/DATA	O	Main shift register, PLL/Key control/DSP related data output.
5	O-M/CLK	O	Main shift register, PLL/Key control/DSP related clock.
6	I-HP	I	Not used. Connect Pin 10 with RES.
7	$\overline{\text{RESET}}$	I	Reset input.
8	$\overline{\text{I-STEREO}}$	I	Tuner stereo detected input.
9	$\overline{\text{I-TUNE/IFC}}$	I	Tuner $\overline{\text{SD}}$ detected input. IF count serial data input.
10	VSS1	-	GND.
11,12	CF1, 2	-	5.76 MHz oscillator circuit.
13	VDD1	-	Power supply input.
14~16	I-KEY1 - 3	I	Key input. (A/D)
17	I-CD/SW	I	CD mechanical switch A/D converter input.
18	I-CD/DISH	I	CD turntable photo sensor A/D converter input.
19	I-MS	I	Deck music sensor signal input.
20	I-SPEANA	I	A/D input for spectrum analyzer display.
21	I-MIC	I	Microphone input for auto VF display.
22	I-TM BASE	I	Reference clock input for timer watch.
23	$\overline{\text{I-HOLD}}$	I	Power failure detected input "L" to stop clock and maintain memory.
24	$\overline{\text{I-RMC}}$	I	System remote control signal input.
25~35	G11~G1	O	FL grid output G11~G1.
36~40	P23~P19	O	FL segment output P23~P19.
41	VDD2	-	Power supply input.
42	-VP	-	Power supply input (-34.5V) for FL display.
43	P18/ $\overline{\text{CST1}}$	O/I	FL segment output P18, DECK1 cassette detect switch data input.
44	P17/ $\overline{\text{AUTO1}}$	O/I	FL segment output P17, DECK1 auto stop signal input.
45	P16/ $\overline{\text{CAM1}}$	O/I	FL segment output P16, DECK1 cam switch data input.
46	P15/ $\overline{\text{CAM2}}$	O/I	FL segment output P15, DECK2 cam switch data input.
47	P14/ $\overline{\text{AUTO2}}$	O/I	FL segment output P14, DECK2 auto stop signal input.
48	P13/ $\overline{\text{CST2}}$	O/I	FL segment output P13, DECK2 cassette detect switch data input.
49	P12/REA2	O/I	FL segment output P12, DECK2 side-A record OK switch data input.
50	P11/REB2	O/I	FL segment output P11, DECK2 side-B record OK switch data input.
51	P10/NO-ECHO	O/I	FL segment output P10, NO-ECHO mode data input to diode.
52	P1/AM-ST,FM-W	O/I	FL segment output P1, AM stereo, FM-WIDE mode data input to diode.
53	P2/AM10K	O/I	FL segment output P2, AM 10kHz step data input to diode.
54	P3/LW	O/I	FL segment output P3, LW mode data input to diode.
55	P4/SW	O/I	FL segment output P4, SW mode data input to diode.
56	P5	O	FL segment output P5.
57	P6/NO-DSP	O/I	FL segment output P6, NO-DSP data input to diode.
58	P7/KEY-CON	O/I	FL segment output P7, key control data input to diode.

Pin No.	Pin Name	I/O	Description
59	P8/PAL	O/I	FL segment output P8, PAL data input to diode.
60	P9/OIRT	O/I	FL segment output P9, OIRT mode data input to diode.
61	O-CLOSE	O	CD tray close data output.
62	O-OPEN	O	CD tray open data output.
63	O-DI/R	O	CD turntable reverse rotation output.
64	O-DI/F	O	CD turntable forward rotation output.
65	O-POWER	O	System power supply $\overline{\text{ON/OFF}}$ output.
66	O-SOL1	O	DECK1 solenoid output.
67	O-SOL2	O	DECK2 solenoid output.
68	O-MOTOR	O	DECK motor output.
69	O-KEY-SCAN	O	Switch scan timing output.
70	O-F/STB	O	Front shift register, data latch strobe output.
71	O-F/CLK	O	Front shift register, data transfer clock output.
72	O-F/DATA	O	Front shift register, data output.
73	VSS2	-	GND.
74	O-CD/DATA	O	CD IC control data output.
75	O-CD/XTL	O	CD IC control latch strobe output.
76	O-CD/CLK	O	CD IC control clock output.
77	I-CD/SENSE	I	CD IC control data bus data input.
78	O-CD/SQ-DATA	O	CD IC control data bus data output.
79	O-CD/SQ-CLK	O	CD IC control data bus clock output.
80	O-MUTE	O	System mute output.

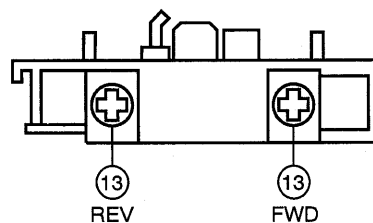
IC, LC72131D

Pin No.	Pin Name	I/O	Description																								
1	XIN	–	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 (LC866432V-5A45) when relevant key is operated. Active "H".																								
5	CLK	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC866432V-5A45).																								
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.																								

ADJUSTMENT <TUNER / DECK>



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



< TUNER SECTION >

1. Clock Frequency Adjustment <LH, HE, HR, U>
Settings : • Test point : TP1 (CLK IC770 pin30)
• Adjustment location : TC701
Method : Set to MW 1710kHz and adjust TC701 so that the test point becomes 2160kHz $\pm$ 0.01kHz.
2. MW VT Check <LH, U>
Settings : • Test point : TP2 (VT)
Method : Set to MW 1710kHz and check that the test point is 6.0V $\pm$ 1.0V.
3. MW VT Adjustment <HE, HR>
Settings : • Test point : TP2 (VT)
• Adjustment location : L981
Method : Set to MW 1710kHz and adjust L981 so that the test point becomes 8.5V $\pm$ 0.05V.
Then set to MW 530kHz and check that the test point is more than 0.3V.
4. MW Tracking Adjustment <HE, HR>
Settings : • Test point : TP6, TP7
• 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.
5. SW VT Adjustment <HE, HR>
Settings : • Test point : TP2 (VT)
• Adjustment location : L942
Method : Set to SW 17.9MHz and adjust L942 so that the test point becomes 8.0V $\pm$ 0.05V.

6. SW Tracking Adjustment <HE, HR>

Settings : • Test point : TP6, TP7

• 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.

7. FM VT Check <LH, HE, HR, U>

Settings : • Test point : TP2 (VT)

Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 1.3V (87.5MHz) and less than 7.5V(108.0MHz).

8. FM Tracking Check <LH, HE, HR, U>

Settings : • Test point : TP6, TP7

Method : • Set to FM 98.0MHz and check that the test point is 4dB $\pm$ 6dB.

9. DC Balance / Mono Distortion Adjustment

<LH, HE, HR, U>

Settings : • Test point : TP3, TP4 (DC balance)
: TP6, TP7 (Distortion)

• Adjustment location : L741

• Input level : 54dB

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

Next, check that the distortion is less than 1.3%.

10. Auto Stop Level Adjustment <LH, HE, HR, U>

Settings : • Test point : TP5

• Adjustment location : SFR722

• Input level : 16dB

Method : Set to FM 98.0 MHz and adjust voltage low (about 0.01V) by SFR722. After that voltage high (about 7.0V) by 2dB down.

11. Auto Stop Level Check <LH, HE, HR, U>

MW<LH, U, HE, HR>

Settings : • Test point : TP5

• Input level : 50dB

Method : Set to MW 1000kHz (LH, U), MW 999kHz (HE, HR) and check that the test point is 45 ~ 65 dB.

SW<HE, HR>

Settings : • Test point : TP5

• Input level : 65dB

Method : Set to SW 12.0MHz and check that the test point is less than 65 dB.

FM<LH, HE, HR, U>

Settings : • Test point : TP5

• Input level : 18dB

Method : Set to FM 98.0MHz and check that the test point is 20 dB $\pm$ 5 dB.

< DECK SECTION > <LH, HE, HR, U>

12. 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.

13. 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. Next, perform on each FWD and REV PLAY mode.

14. 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

15. 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 300mV.

16. REC/PB Frequency Response Adjustment

Settings : • Test tape : TTA-602

• Test point : TP8, TP9

• Input signal : 1kHz / 10kHz (LINE IN)

• Adjustment location : SFR451 (Lch)

SFR452 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 21mV. 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.

17. REC/PB Sensitivity Adjustment

Settings : • Test tape : TTA-602

• Test point : TP8, TP9

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

18. Bias OSC Frequency Adjustment

Settings : • Test tape : TTA-615

• Test point : TP10 (R311)

• Adjustment location : L451

Method : Set to the REC mode. Adjust L451 so that the frequency counter of the test point becomes minimum.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity :	3dB ± 6dB
(THD 3%)	[at 87.5 / 98.0MHz]
	6dB ± 6dB
	[at 108.0MHz]
S/N 50dB Quieting sensitivity :	
	31dB ± 5dB
	[at 87.5 / 98.0 / 108.0MHz]
Signal to noise ratio :	More than 64dB
	[at 98.0MHz]
Distortion :	Less than 2%
	[at 98.0MHz]
Auto stop level :	20dB ± 10dB [at 98.0MHz]
Stereo separation :	More than 25dB [at 98.0MHz]
Intermediate frequency :	10.7MHz

<AM(MW) SECTION>

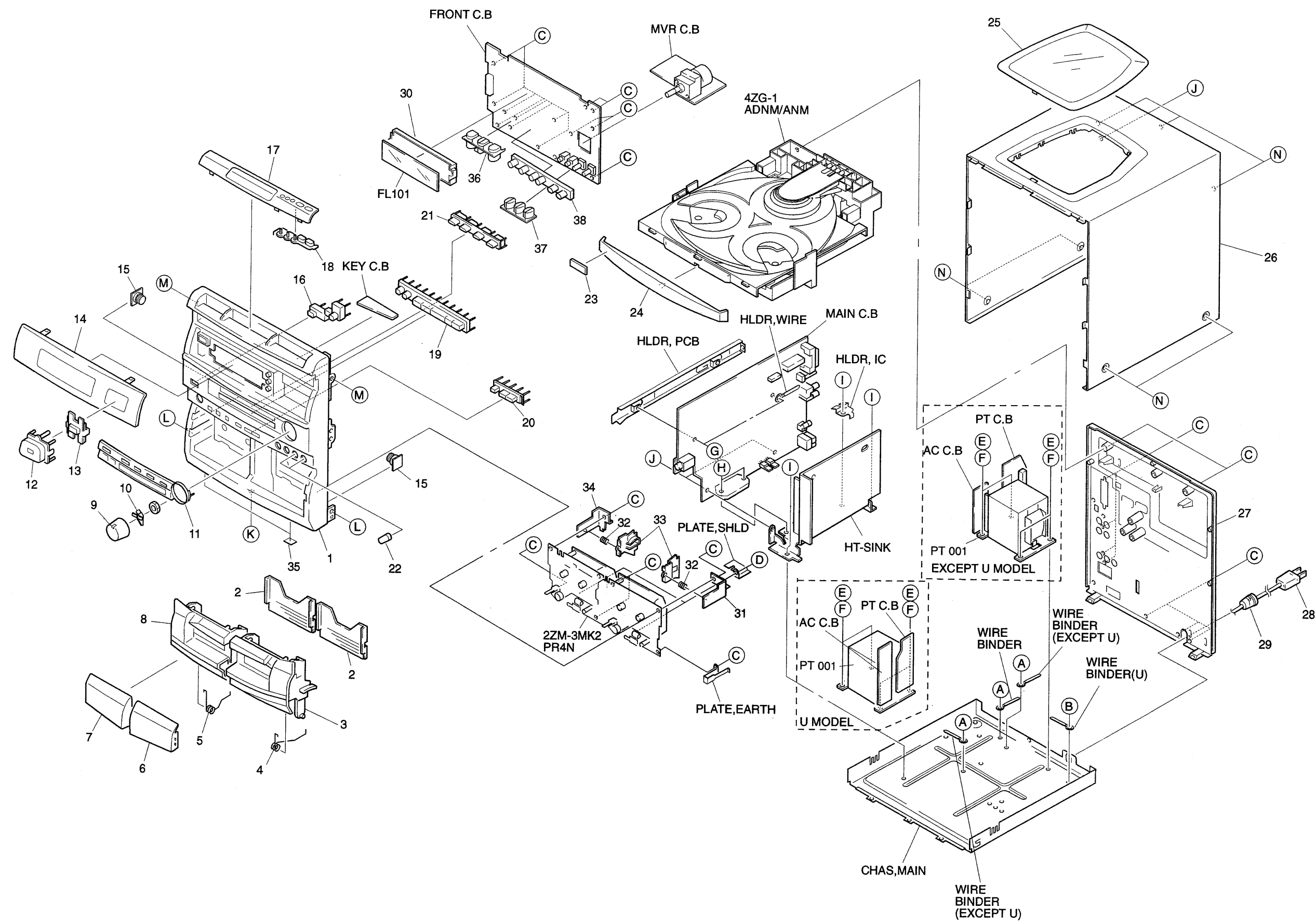
Sensitivity :	52 ~ 62dB
(S/N 20 dB)	[at 603kHz (HE, HR)]
	[at 600kHz (LH, U)]
	48 ~ 58dB
	[at 999kHz (HE, HR)]
	[at 1000kHz (LH, U)]
	48 ~ 58dB
	[at 1404kHz (HE, HR)]
	[at 1400kHz (LH, U)]
Signal to noise ratio :	More than 36dB
	[at 999kHz (HE, HR)]
	[at 1000kHz (LH, U)]
Distortion :	Less than 1.5%
	[at 999kHz (HE, HR)]
	[at 1000kHz (LH, U)]
Auto stop level :	55dB ± 13dB
	[at 999kHz (HE, HR)]
	[at 1000kHz (LH, U)]
Intermediate frequency :	450kHz

<SW SECTION>(HE, HR only)

Sensitivity :	33 ~ 43dB (5.90MHz)
(S/N 20dB)	27 ~ 37dB (12.0MHz)
	25 ~ 35dB (17.9MHz)
Distortion :	Less than 2.0% (12.0MHz)
Intermediate frequency :	450kHz

<DECK SECTION>

Tape speed :	3000Hz ± 45Hz
Wow & flutter :	Less than 0.15%
	(R.M.S)
Take-up torque :	30 ~ 55g-cm
	(FWD, REV)
F.F & REW torque :	75 ~ 160g-cm
Back tension :	2 ~ 7g-cm
	(FWD, REV)
PB output level :	2.8V ± 2dB
	(SP OUT 2V)
REC/PB output level :	2.0V ± 2dB
	(SP OUT 2V)
Distortion (REC/PB) :	Less than 2.0%
	(NORM, CrO2)
Noise level (PB) :	Less than 160mV (LH, HE, HR)
	Less than 110mV (U)
	(NORM, SP OUT 2V)
	Less than 120mV (LH, HE, HR)
	Less than 90mV (U)
	(CrO2, SP OUT 2V)
Noise level (REC/PB) :	Less than 160mV (LH, HE, HR)
	Less than 120mV (U)
	(DOLBY OFF, NORM, SP OUT 2V)
	Less than 130mV (LH, HE, HR)
	Less than 100mV (U)
	(DOLBY OFF, CrO2, SP OUT 2V)
Crosstalk :	More than 58dB
	(1kHz, 0VU)
Channel separation :	More than 45dB
	(1kHz, 0VU)
Erasing ratio :	More than 60dB
	(at 125Hz)
Test tape :	TTA-602 (NORMAL)
	TTA-615 (CrO2)

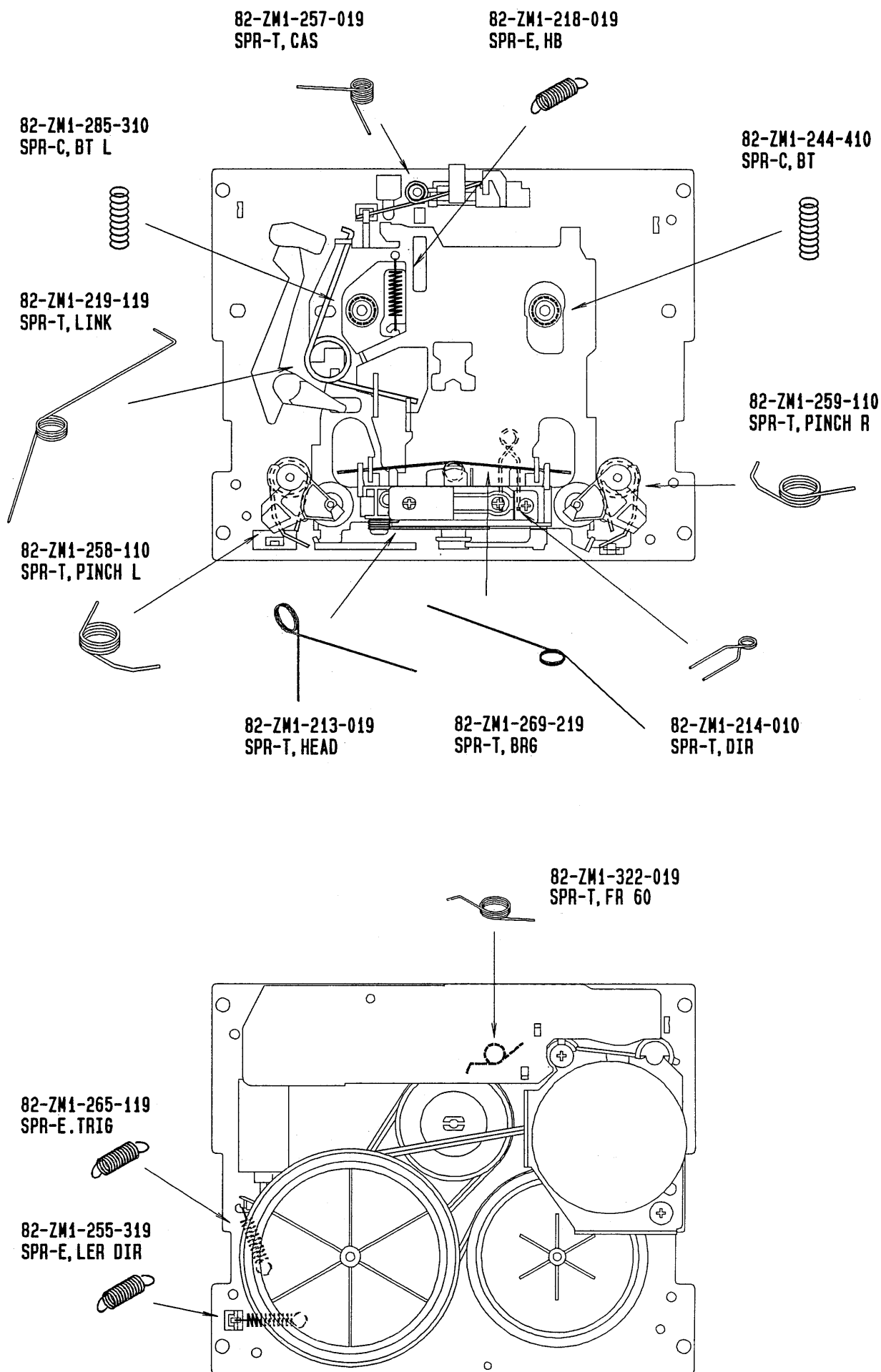


MECHANICAL PARTS LIST 1/1

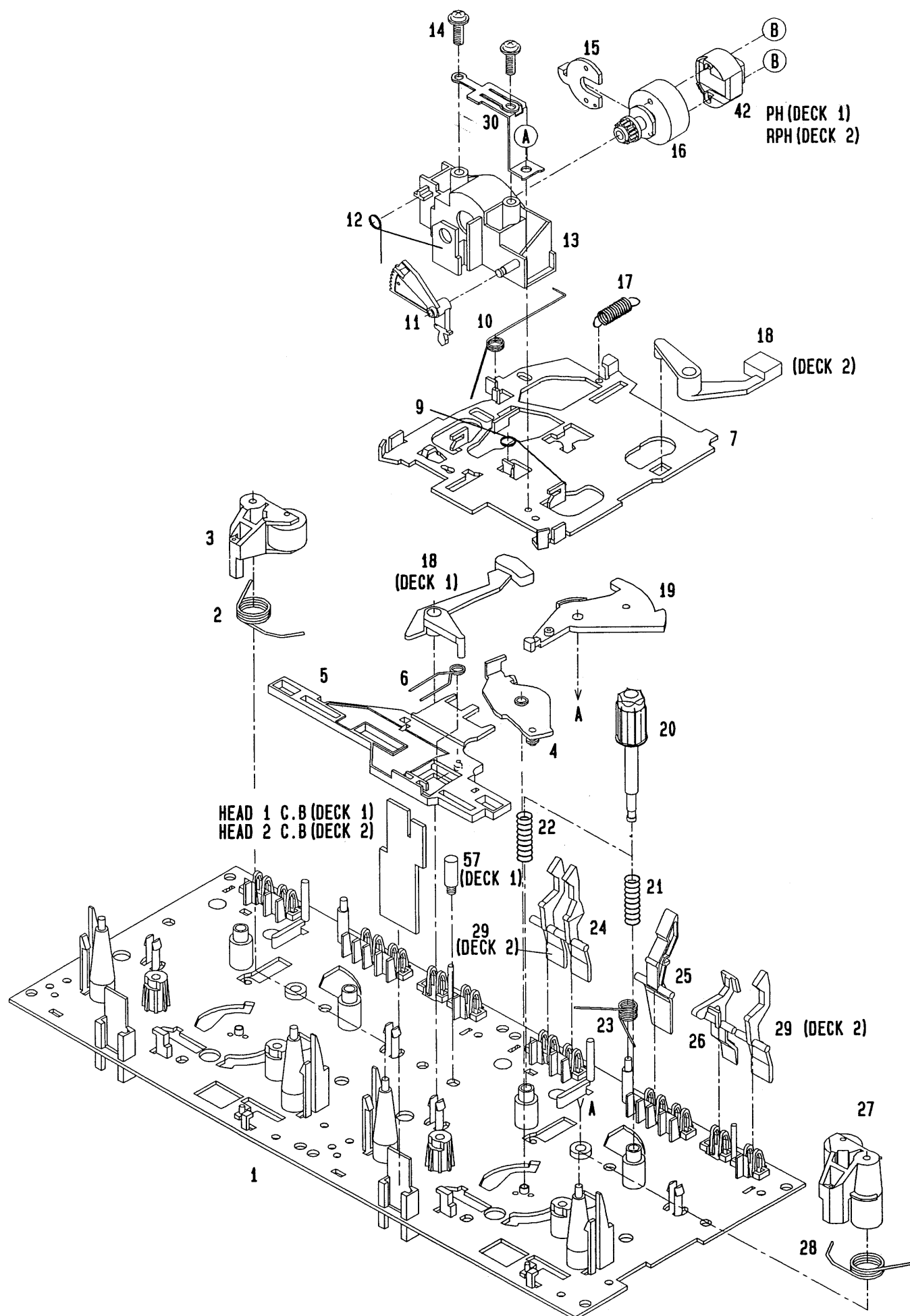
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

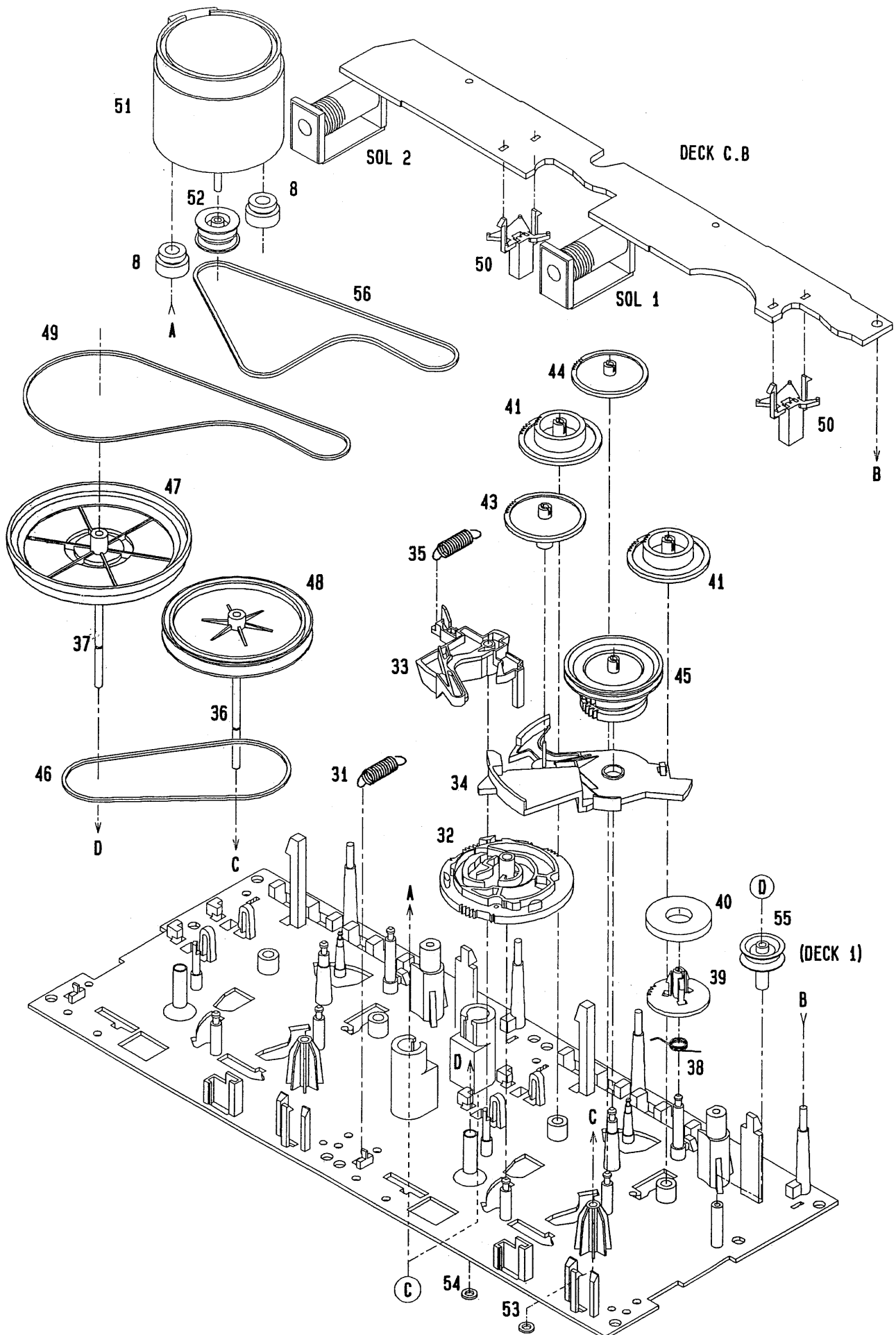
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NF5-001-019		CABI,FR H<LH,HE,HRJ,HR>	27	86-NF5-032-019		CABI,REAR LHBNM<LH>
1	86-NF5-027-019		CABI,FR U<8000U>	27	86-NF5-034-019		CABI,REAR UBNM<8000U>
1	86-NF5-044-019		CARI,FR U(CH2)<8080U>	27	86-NF5-042-019		CABI,REAR UBNM(CH2)<8080U>
2	86-NF6-061-019		REFLECTOR,CASS	△ 28	87-050-053-019		AC CORD ASSY,U-2<8000U,8080U>
3	86-NF5-003-019		BOX,CASS R<LH,HE,HRJ,HR>	△ 28	87-050-079-019		AC-CORD ASSY,E<LH,HE,HRJ,HR>
3	86-NF5-029-019		BOX,CASS R E<8000U,8080U>	29	87-085-185-010		BUSHING,AC CORD E<LH,HE,HRJ,HR>
4	82-NF5-219-019		SPR-T,EJECT 2 (SIN)	29	87-085-189-010		BUSHING,CORD U<8000U,8080U>
5	82-NF5-218-019		SRT-T,EJECT 1 (SIN)	30	82-NF5-212-019		GUIDE FL
6	86-NF5-007-019		WINDOW,CASS R	31	82-NF5-227-019		HLDR,LOCK 2N
7	86-NF5-006-019		WINDOW,CASS L	32	82-NF5-228-019		SPR-C,LOCK
8	86-NF5-002-019		BOX,CASS L<LH,HE,HRJ,HR>	33	82-NF5-229-019		PLATE,LOCK
8	86-NF5-028-019		BOX,CASS L E<8000U,8080U>	34	82-NF5-226-019		HLDR LOCK 1N
9	86-NF5-020-019		KNOB,RTRY MAIN	35	80-VT1-202-019		FELT,12.5-15.5-2
10	86-NF5-021-019		LENS,VOL	36	85-NF5-210-119		GUIDE,LED L
11	86-NF5-009-019		PANEL,FUN	37	85-NF5-211-119		GUIDE,LED R
12	86-NF5-019-019		KEY,DSP<EXCEPT 8080U>	38	86-NF5-202-019		GUIDE,LED PLAY
12	86-NF5-059-019		KEY,DSP R SUR<8080U>	A	87-067-585-019		BVTT+4-6
13	86-NF5-205-019		HLDR,DSP	B	87-067-584-019		BVT2+3-6 W/O SLOT
14	86-NF5-004-019		WINDOW,DISPLAY	C	87-067-703-019		BVT2+3-10 W/O SLOT
15	87-063-165-019		OIL-DMPR 150	D	87-571-032-419		VIT+2-3
16	86-NF5-010-019		KEY,POWER	E	87-078-083-019		BUTT SEMS+4-8SW
17	86-NF5-005-019		WINDOW,CD	F	87-067-747-019		W,4.3-14-1<LH,HE,HRJ,HR>
18	86-NF5-018-019		KEY,OPEN	G	87-078-084-019		BVTT+3-6 W,CONVEX
19	86-NF5-016-019		KEY,PLAY	H	87-067-581-019		BVT2+3-15 W/O SLOT
20	86-NF5-017-019		KEY,KARAOKE	I	87-067-579-019		BVT 2+3-8 W/O SLOT
21	86-NF5-011-019		KEY ASSY,FUN	J	87-067-633-019		BVT2+3-8 W/CONVEX
22	86-NF6-050-019		KNOB,RTRY MIC M	K	87-067-716-019		BVTT+3-6,BLK
23	82-NE6-067-019		BADGE AIWA 30N	L	87-591-094-419		QIT + 3 - 6 GOLD
24	86-NF5-030-019		PANEL,TRAY E<8000U,8080U>	M	87-721-097-419		QT2+3-12 GLD
24	86-NF5-008-019		PANEL,TRAY H<LH,HE,HRJ,HR>	N	87-067-641-019		UTT2+3-8 W/O SLOT BLK
25	86-NF6-007-019		WINDOW,TOP				
26	86-NF6-002-019		CABI,STEEL				
27	86-NF5-031-019		CABI,REAR HEJBNM<HE>				
27	86-NF5-052-019		CABI,REAR HRBNM<HR>				
27	86-NF5-033-019		CABI,REAR HRJBNM<HRJ>				

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	35	82-ZM1-265-119		SPR-E,TRIG
2	82-ZM1-258-110		SPR-T,PINCH L	36	82-ZM1-236-019		CAPSTAN N 2-41.5
3	82-ZM1-345-019		LVR ASSY,PINCH L W	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
4	82-ZM1-333-010		PLATE, LINK 2	38	82-ZM1-322-019		SPR-T,FR60
5	82-ZM1-266-11K		LVR,DIR	39	82-ZM1-220-219		GEAR,IDLER
6	82-ZM1-214-010		SPR-T,DIR	40	82-ZM3-616-019		RING MAGNET 4
7	82-ZM1-206-81K		CHAS,HEAD	41	82-ZM1-216-31K		GEAR,REEL
8	82-ZM3-307-019		CUSH-G,DIA3.7-8-3.2	42	87-046-355-019		HEAD,PH HADKH2529B(PH)
9	82-ZM1-269-219		SPR-T,BRG	42	87-046-356-019		HEAD,RPH HADKH5581B(RPH)
10	82-ZM1-219-119		SPR-T, LINK	43	82-ZM1-225-21K		GEAR,FR
11	82-ZM1-210-119		GEAR,H T	44	82-ZM1-226-019		GEAR,REW
12	82-ZM1-213-019		SPR-T,HEAD	45	82-ZM1-228-810		SLIP DISK ASSY
13	82-ZM1-207-619		GUIDE,TAPE	46	82-ZM1-338-010		BELT FR4
14	82-ZM1-283-310		S-SCREW,AZIMUTH	47	82-ZM1-238-81K		FLY-WHL ASSY,R (DECK 2)
15	82-ZM1-314-119		PLATE,HEAD	47	82-ZM3-210-71K		FLY-WHL ASSY,R2 (DECK 1)
16	82-ZM1-208-119		HLDR,HEAD	48	82-ZM1-235-51K		FLY-WHL ASSY,L (DECK 2)
17	82-ZM1-218-019		SPR-E,HB	48	82-ZM3-208-61K		FLY-WHL ASSY,L2 (DECK 1)
18	82-ZM1-263-110		LVR,EJECT L (DECK 1)	49	82-ZM3-329-210		BELT,SBU R2
18	82-ZM1-264-010		LVR,EJECT R (DECK 2)	50	82-ZM1-245-210		HLDR,IC
19	82-ZM1-222-21K		LVR,PLAY	51	87-045-347-019		MOT,SHU2L 70(M1)
20	82-ZM1-217-319		REEL TABLE	52	82-ZM3-221-010		PULLEY,MOT 2M
21	82-ZM1-244-510		SPR-C,BT	53	82-ZM1-288-019		SH,1.63-3.2-0.5 SLT
22	82-ZM1-285-310		SPR-C,BT L	54	80-ZM6-243-019		SH,1.75-3.6-0.5 SLT
23	82-ZM1-257-019		SPR-T,CAS	55	82-ZM3-304-110		PULLEY,COUPLER (DECK 1)
24	82-ZM1-241-319		LVR,MC	56	82-ZM3-328-110		BELT,SBU P2
25	82-ZM1-242-019		LVR,CAS	57	82-ZM3-216-019		SHAFT,COUPLER N(DECK 1)
26	82-ZM1-243-019		LVR,STOP	A	82-ZM1-315-010		S-SCREW,GVIDE TAPE
27	82-ZM1-346-019		LVR ASSY,PINCH R W	B	80-ZM6-207-019		V+1.6-7
28	82-ZM1-259-110		SPR-T,PINCH R	C	82-ZM3-318-019		S-SCRW MOTOR M2
29	82-ZM1-240-11K		LVR,REC (DECK 2)	D	87-067-972-019		PW,1.05-3-0.25 SLT
30	82-ZM1-298-010		SPR-P,EARTH				
31	82-ZM1-255-319		SPR-E,LVR DIR				
32	82-ZM3-305-01K		GEAR,CAM M2				
33	82-ZM1-227-21K		LVR,TRIG				
34	82-ZM3-306-11K		LVR,FR M2				

ACCESSORIES / PACKAGE LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NF5-902-019		IB,ECA<HE,HR>
1	86-NF5-901-019		IB,ESP(M)<LH>
1	86-NF5-903-019		IB,U(E.F.S)-M<8000U>
1	86-NF5-908-019		IB,U2(EFS)-M<8080U>
2	85-NF5-631-019		RC-T501
3	87-043-095-019		5M(SW)WIRE-ANT(S)<HE,HR>
4	87-006-225-019		AM LOOP ANT NC2<EXCEPT HE,HR>
4	87-A90-054-019		ANT,LOOP AM-CON C<HE,HR>
5	87-043-115-01B		ANT,FEEDER FM
△ 6	87-099-789-019		PLUG,ADPTR IR44<LH,HE,HR>

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

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

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

アイワ株式会社
AIWA CO.,LTD.

9420208, 750038

Tokyo Japan