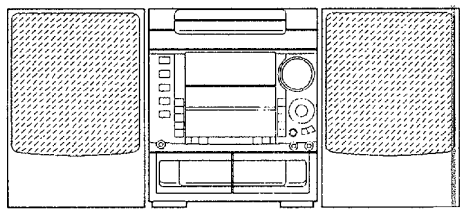


aiwa



NSX-AVF9



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM : 2ZM-3MK2 PR4NM
- BASIC CD MECHANISM : 6ZG-1 SDFNM

• TYPE : HR

SYSTEM	CD - CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-AVF9	CX-NAVF9	SX-NAVF9 SX-C600 SX-R270	RC - 6AS02

- If requiring information about the CD mechanism, see Service Manual of 6ZG-1, S/M Code No. 09-975-198-00T.

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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)

<MW Tuner section>

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

<SW Tuner section>

Tuning range 5.900 MHz - 17.900 MHz
Antenna Wire antenna

<Amplifier section>

Power output

Front

Rated: 160 W + 160 W
 (6 ohms, T.H.D 1 %, 1 kHz)
 Reference: 200 W + 200 W
 (6 ohms, T.H.D 10 %, 1 kHz)

Rear (Surround)

Rated: 10 W + 10 W
 (16 ohms, T.H.D 1 %, 1kHz)
 Reference: 12.5 W + 12.5 W
 (16 ohms, T.H.D 10 %, 1 kHz)

Center

Rated: 20 W
 (8 ohms, T.H.D 1 %, 1 kHz)
 Reference: 25 W
 (8 ohms, T.H.D 10 %, 1 kHz)

Total harmonic distortion

0.1 % (20 W, 1 kHz, 6 ohms, DIN AUDIO)

Inputs

VIDEO/AUX : 210 mV (adjustable)
 MIC 1, MIC 2 : 1.4 mV (10 kohms)

Outputs

LINE OUT : 200 mV
 SUPER WOOFER : 3.1 V
 SPEAKERS: accept speakers of 6 ohms or more
 SURROUND SPEAKERS : accept speakers of 16 ohms or more
 CENTER SPEAKERS : accept speakers of 8 ohms or more
 PHONES (stereo jack) : accepts headphones of 32 ohms or more

<Cassette deck section>

Track format 4 tracks, 2 channels stereo
Frequency response CrO2 tape : 50 Hz – 16000 Hz
 Normal tape : 50 Hz – 15000 Hz
Signal-to-noise ratio 60 dB (Dolby B NR ON, CrO2 tape peak level)
Recording system AC bias
Heads Deck 1 : Playback head x1
 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 83 dB (1 kHz, 0 dB)
Harmonic distortion 0.05 % (1 kHz, 0 dB)
Wow and flutter Unmeasurable

<Speaker system SX-NAVF9>

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)

260 x 353 x 330 mm

Weight

5.9 kg

<General>

Power requirements 120 V/220 -230 V/240 V AC, switchable 50/60 Hz

Power consumption

220 W

Dimensions of main unit (W x H x D)


300 x 357.5 x 374 mm

Weight of main unit

12.6 kg

- Design and specifications are subject to change without notice.

- Manufactured under license from Dolby Laboratories Licensing Corporation.

"DOLBY", the double-D symbol  and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.

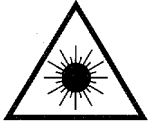
Under license from BBE Sound, Inc.

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.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

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

ATTENTION

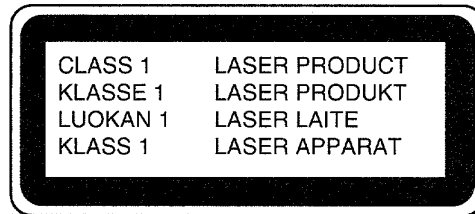
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

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

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

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

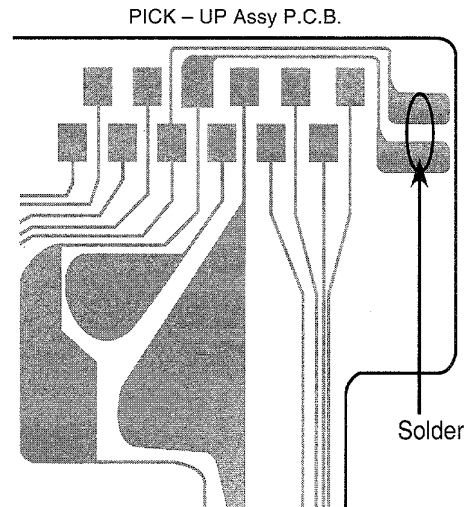


Precaution to replace Optical block

(KSS-213B)

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

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



ELECTRICAL MAIN PARTS LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC					87-A40-239-080		ZENER,UZ5.6 BSA
	87-020-454-010	IC, DN6851					
	86-NFW-620-010	IC, LC866556W-5E74		MAIN C.B			
	87-A20-154-010	IC, SPS-444-1					
	87-A20-455-010	IC, HA12211		C101	87-A10-231-090		CAP, E 3300-80
	87-A20-355-010	IC, CXA1553P		C102	87-A10-231-090		CAP, E 3300-80
				C103	87-016-658-090		CAP, E 4700-35 SMG
	87-070-232-010	IC, BA3834S		C104	87-016-658-090		CAP, E 4700-35 SMG
	87-A20-056-010	IC, BA3880S		C105	87-012-368-080		C-CAP, S 0.1-50 F
	87-017-915-080	IC, BU4094BCF					
	87-A20-453-010	C-IC, NJW1102B		C106	87-012-368-080		C-CAP, S 0.1-50 F
	87-A20-456-040	C-IC, BH3810 FS		C107	87-012-368-080		C-CAP, S 0.1-50 F
				C108	87-012-368-080		C-CAP, S 0.1-50 F
	87-A20-560-040	C-IC, M65849BFP		C109	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-017-888-080	IC, NJM4558MD		C110	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A20-437-010	C-IC, M62431FP					
	87-A20-452-040	C-IC, TC9260FS		C111	87-010-196-080		CHIP CAPACITOR, 0.1-25
	86-NFZ-655-010	IC, LC27131D(Z)		C112	87-010-196-080		CHIP CAPACITOR, 0.1-25
				C113	87-010-247-080		CAP, ELECT 100-50V
	87-A20-438-010	IC, LA1837		C114	87-010-384-080		CAP, E 100-25 M SME
	87-A20-450-040	C-IC, BH 3864 F		C115	87-010-384-080		CAP, E 100-25 M SME
				C116	87-010-247-080		CAP, ELECT 100-50V
				C117	87-010-430-080		CAP, ELECT 100-63
				C118	87-010-263-080		CAP, ELECT 100-10V
				C119	87-010-260-080		CAP, ELECT 47-25V
				C120	87-010-403-080		CAP, ELECT 3.3-50V
TRANSISTOR							
	87-026-463-080	TR, 2SA933SRS		C121	87-012-140-080		CAP 470P
	89-213-702-010	TR, 2SB1370 (1.8W)		C123	87-010-247-080		CAP, ELECT 100-50V
	87-A30-075-080	C-TR, 2SA1235F		C124	87-010-112-080		CAP, ELECT 100-16V
	87-026-610-080	TR, KTC3198GR		C125	87-010-235-080		CAP, E 470-16 SME
	87-A30-076-080	C-TR, 2SC3052F		C129	87-010-393-080		CAP, ELECT 100-35V
	87-A30-073-080	C-TR, RT1N 141C		C200	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-083-080	TR, CSD1489B		C201	87-010-401-080		CAP, ELECT 1-50V
	87-026-609-080	TR, KTA1266GR		C202	87-010-401-080		CAP, ELECT 1-50V
	87-A30-086-070	C-TR, CSD1306E		C205	87-010-178-080		C-CAP, S 1000P-50 B
	87-A30-106-070	C-TR, CMBT5551		C206	87-010-178-080		C-CAP, S 1000P-50 B
	87-026-263-080	C-TR, RN1410		C207	87-010-404-080		CAP, ELECT 4.7-50V
	87-A30-111-080	TR, C2N5401		C208	87-010-404-080		CAP, ELECT 4.7-50V
	87-A30-112-080	TR, C2N5551		C209	87-010-404-080		CAP, ELECT 4.7-50V
	89-420-612-010	TR, 2SD2061 (2W)		C210	87-010-404-080		CAP, ELECT 4.7-50V
	87-A30-097-010	TR, FN 1016		C211	87-010-186-080		CAP, CHIP 4700P
	87-A30-098-010	TR, FP 1016		C212	87-010-186-080		CAP, CHIP 4700P
	87-A30-089-010	FET, 2SK2723		C213	87-010-260-080		CAP, ELECT 47-25V
	87-A30-072-080	C-TR, RT1P 144C		C214	87-010-260-080		CAP, ELECT 47-25V
	87-A30-087-080	C-FET, 2SK2158		C215	87-010-196-080		C-CAP, S 0.1-25 Z F
	87-A30-074-080	C-TR, RT1P 141C		C219	87-012-368-080		C-CAP, S 0.1-50 F
	89-112-965-080	TR, 2SA1296 (0.75W)		C220	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-071-080	C-TR, RT1N 144C		C221	87-012-368-080		C-CAP, S 0.1-50 F
	87-026-228-080	TR, DTA124EK		C222	87-012-368-080		C-CAP, S 0.1-50 F
	87-A30-084-080	TR, CSB1058B		C223	87-010-194-080		CAP, CHIP 0.047
	87-026-232-080	TR, DTA144WK		C225	87-A10-516-080		C-CAP, S 100P-200 J CH
	87-A30-085-070	C-TR, CSA1362GR		C226	87-A10-516-080		C-CAP, S 100P-200 J CH
	89-327-143-080	TR, 2SC2714 (0.1W)		C229	87-016-461-080		C-CAP, S 0.47-16 Z F
				C230	87-016-461-080		C-CAP, S 0.47-16 Z F
				C242	87-010-405-080		CAP, ELECT 10-50V
				C243	87-016-461-080		C-CAP, S 0.47-16 Z F
	87-A40-003-080	ZENER, MTZJ4.3A		C301	87-010-318-080		C-CAP, S 47P-50 CH
	87-A40-246-080	DIODE, IN4148 T-72		C302	87-010-318-080		C-CAP, S 47P-50 CH
	87-017-654-060	DIODE, GBU6J		C303	87-012-157-080		C-CAP, S 330P-50 CH
	87-A40-116-060	DIODE, RS403L-B-D-51		C304	87-012-157-080		C-CAP, S 330P-50 CH
	87-A40-269-080	C-DIODE, MC2836		C305	87-012-145-080		CAP, CHIP S 270P CH
	87-017-437-080	DIODE, 1N4148M		C306	87-012-145-080		CAP, CHIP S 270P CH
	87-A40-270-080	C-DIODE, MC2838		C307	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-070-274-080	DIODE, 1N4003 SEM		C311	87-010-198-080		CAP, CHIP 0.022
	87-A40-211-080	ZENER UZ36BSA		C312	87-010-198-080		CAP, CHIP 0.022
	87-A40-206-080	ZENER, UZ10BSC		C313	87-010-180-080		C-CER 1500P
	87-A40-004-080	ZENER, MTZJ16A		C314	87-010-180-080		C-CER 1500P
	87-A40-382-080	C-DIODE, RB705D		C315	87-010-178-080		CHIP CAP 1000P
	87-A40-205-080	ZENER, UZ6.2BSC		C316	87-010-178-080		CHIP CAP 1000P
	87-A40-202-080	ZENER, UZ5.1BSB		C317	87-012-142-080		CAP, S 0.33-16
	87-A40-274-010	DIODE, FMB-G16L		C318	87-012-142-080		CAP, S 0.33-16
	87-A40-186-080	ZENER, UZ5.1BSC					
	87-017-481-080	ZENER, UZ5.6BSB					
	87-A40-192-080	ZENER, UZ4.3BSA					

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C319	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C629	87-012-368-080		C-CAP,S 0.1-50 F
C320	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C646	87-010-322-080		C-CAP,S 100P-50 CH
C321	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C647	87-010-322-080		C-CAP,S 100P-50 CH
C322	87-012-141-080		CHIP-CAPACITOR,0.22-16F	C699	87-018-209-080		CAP,TC-U 0.1-50 Z F
C324	87-010-260-080		CAP, ELECT 47-25V	C701	87-010-381-080		CAP, ELECT 330-16V
C325	87-010-370-080		CAP,E 330-6.3 SME	C702	87-010-404-080		CAP, ELECT 4.7-50V
C327	87-010-404-080		CAP, ELECT 4.7-50V	C703	87-010-197-080		CAP, CHIP 0.01 DM
C328	87-010-404-080		CAP, ELECT 4.7-50V	C704	87-010-197-080		CAP, CHIP 0.01 DM
C332	87-010-196-080		CHIP CAPACITOR,0.1-25	C711	87-010-263-080		CAP, ELECT 100-10V
C335	87-010-401-080		CAP, ELECT 1-50V	C712	87-010-196-080		CHIP CAPACITOR,0.1-25
C336	87-010-401-080		CAP, ELECT 1-50V	C713	87-010-197-080		CAP, CHIP 0.01 DM
C337	87-010-196-080		CHIP CAPACITOR,0.1-25	C714	87-010-197-080		CAP, CHIP 0.01 DM
C339	87-010-196-080		CHIP CAPACITOR,0.1-25	C721	87-010-312-080		C-CAP,S 15P-50 CH
C340	87-010-196-080		CHIP CAPACITOR,0.1-25	C722	87-010-312-080		C-CAP,S 15P-50 CH
C351	87-012-140-080		CAP 470P	C723	87-010-178-080		CHIP CAP 1000P
C352	87-012-140-080		CAP 470P	C725	87-010-178-080		CHIP CAP 1000P
C354	87-010-175-080		CAP 560P	C727	87-010-196-080		CHIP CAPACITOR,0.1-25
C355	87-010-178-080		CHIP CAP 1000P	C728	87-010-248-080		CAP, ELECT 220-10V
C356	87-010-260-080		CAP, ELECT 47-25V	C755	87-010-197-080		CAP, CHIP 0.01 DM
C357	87-010-197-080		CAP, CHIP 0.01 DM	C756	87-010-197-080		CAP, CHIP 0.01 DM
C358	87-010-183-080		C-CAP,S 2700P-50 B	C757	87-010-318-080		C-CAP,S 47P-50 CH
C359	87-010-183-080		C-CAP,S 2700P-50 B	C758	87-010-149-080		C-CAP,S 5P-50 CH
C360	87-010-183-080		C-CAP,S 2700P-50 B	C761	87-010-196-080		CHIP CAPACITOR,0.1-25
C370	87-010-196-080		CHIP CAPACITOR,0.1-25	C762	87-010-197-080		CAP, CHIP 0.01 DM
C371	87-010-179-080		CAP,CHIP S B1200P	C763	87-010-194-080		CAP, CHIP 0.047
C372	87-010-179-080		CAP,CHIP S B1200P	C765	87-010-197-080		CAP, CHIP 0.01 DM
C373	87-010-179-080		CAP,CHIP S B1200P	C766	87-010-197-080		CAP, CHIP 0.01 DM
C374	87-010-179-080		CAP,CHIP S B1200P	C767	87-010-405-080		CAP, ELECT 10-50V
C375	87-010-545-080		CAP, ELECT 0.22-50V	C768	87-010-197-080		CAP, CHIP 0.01 DM
C376	87-010-545-080		CAP, ELECT 0.22-50V	C769	87-010-408-080		CAP, ELECT 47-50V
C378	87-010-196-080		CHIP CAPACITOR,0.1-25	C770	87-015-821-080		C-CAP 0.047
C381	87-010-197-080		CAP, CHIP 0.01 DM	C771	87-010-407-080		CAP, ELECT 33-50V
C382	87-010-318-080		C-CAP,S 47P-50 CH	C772	87-010-194-080		CAP, CHIP 0.047
C383	87-010-197-080		CAP, CHIP 0.01 DM	C773	87-010-196-080		CHIP CAPACITOR,0.1-25
C384	87-010-402-080		CAP, ELECT 2.2-50V	C774	87-010-263-080		CAP, ELECT 100-10V
C385	87-010-184-080		CHIP CAPACITOR 3300P(K)	C775	87-010-404-080		CAP, ELECT 4.7-50V
C386	87-010-196-080		CHIP CAPACITOR,0.1-25	C776	87-010-197-080		CAP, CHIP 0.01 DM
C388	87-010-154-080		CAP CHIP 10P	C777	87-010-400-080		CAP, ELECT 0.47-50V
C401	87-010-187-080		CAP CHIP S5600P	C778	87-010-401-080		CAP, ELECT 1-50V
C402	87-010-187-080		CAP CHIP S5600P	C779	87-010-401-080		CAP, ELECT 1-50V
C403	87-010-405-080		CAP, ELECT 10-50V	C780	87-010-196-080		CHIP CAPACITOR,0.1-25
C404	87-010-405-080		CAP, ELECT 10-50V	C781	87-010-405-080		CAP, ELECT 10-50V
C405	87-010-260-080		CAP, ELECT 47-25V	C782	87-010-405-080		CAP, ELECT 10-50V
C406	87-010-101-080		CAP, ELECT 220-16	C783	87-015-819-080		CAPACITOR,0.01
C407	87-010-188-080		CAP,CHIP 6800P	C784	87-010-197-080		CAP, CHIP 0.01 DM
C408	87-010-188-080		CAP,CHIP 6800P	C785	87-010-400-080		CAP, ELECT 0.47-50V
C409	87-012-140-080		CAP 470P	C786	87-010-400-080		CAP, ELECT 0.47-50V
C410	87-012-140-080		CAP 470P	C787	87-010-184-080		CHIP CAPACITOR 3300P(K)
C411	87-010-197-080		CAP, CHIP 0.01 DM	C788	87-010-184-080		CHIP CAPACITOR 3300P(K)
C412	87-010-197-080		CAP, CHIP 0.01 DM	C789	87-010-179-080		CAP,CHIP S B1200P
C413	87-010-195-080		C-CAP,S 0.068-25 F	C790	87-010-179-080		CAP,CHIP S B1200P
C414	87-010-195-080		C-CAP,S 0.068-25 F	C791	87-010-405-080		CAP, ELECT 10-50V
C415	87-010-404-080		CAP, ELECT 4.7-50V	C793	87-010-178-080		CHIP CAP 1000P
C416	87-010-404-080		CAP, ELECT 4.7-50V	C794	87-010-406-080		CAP, ELECT 22-50
C417	87-010-404-080		CAP, ELECT 4.7-50V	C795	87-010-596-080		CAP, S 0.047-16
C418	87-010-404-080		CAP, ELECT 4.7-50V	C796	87-010-403-080		CAP, ELECT 3.3-50V
C421	87-010-401-080		CAP, ELECT 1-50V	C797	87-010-180-080		C-CAP,S 1500P-50 B K
C422	87-010-401-080		CAP, ELECT 1-50V	C798	87-010-180-080		C-CAP,S 1500P-50 B K
C516	87-010-196-080		CHIP CAPACITOR,0.1-25	C799	87-010-194-080		CAP, CHIP 0.047
C605	87-010-180-080		C-CER 1500P	C812	87-010-197-080		CAP, CHIP 0.01 DM
C606	87-010-180-080		C-CER 1500P	C813	87-010-197-080		CAP, CHIP 0.01 DM
C611	87-010-196-080		CHIP CAPACITOR,0.1-25	C814	87-010-197-080		CAP, CHIP 0.01 DM
C613	87-010-404-080		CAP, ELECT 4.7-50V	C815	87-010-197-080		CAP, CHIP 0.01 DM
C614	87-010-404-080		CAP, ELECT 4.7-50V	C816	87-010-197-080		CAP, CHIP 0.01 DM
C615	87-010-183-080		C-CAP,S 2700P-50 B	C819	87-010-197-080		CAP, CHIP 0.01 DM
C619	87-010-263-080		CAP, ELECT 100-10V	C820	87-010-408-080		CAP, ELECT 47-50V
C620	87-010-196-080		CHIP CAPACITOR,0.1-25	C821	87-010-197-080		CAP, CHIP 0.01 DM
C621	87-010-263-080		CAP, ELECT 100-10V	C822	87-010-197-080		CAP, CHIP 0.01 DM
C622	87-010-196-080		CHIP CAPACITOR,0.1-25	C823	87-010-197-080		CAP, CHIP 0.01 DM
C623	87-010-194-080		CAP, CHIP 0.047	C828	87-010-196-080		CHIP CAPACITOR,0.1-25

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C829	87-010-196-080		CHIP CAPACITOR,0.1-25	C121	87-010-196-080		CHIP CAPACITOR,0.1-25
C940	87-010-197-080		C-CAP,S 0.01-25 B K	C201	87-010-197-080		CAP, CHIP 0.01 DM
C941	87-010-314-080		C-CAP,S 22P-50 C H	C202	87-010-197-080		CAP, CHIP 0.01 DM
C943	87-010-197-080		C-CAP,S 0.01-25 B K	C203	87-010-198-080		CAP, CHIP 0.022
C944	87-014-051-080		CAP,PP 560P-100 J	C204	87-010-198-080		CAP, CHIP 0.022
C945	87-010-197-080		C-CAP,S 0.01-25 B K	C205	87-010-198-080		CAP, CHIP 0.022
C947	87-010-197-080		C-CAP,S 0.01-25 B K	C206	87-010-198-080		CAP, CHIP 0.022
C950	87-014-073-080		CAP,PP 4700P-100 J	C208	87-010-555-040		CAP,E 100-10 GAS
C952	87-010-197-080		C-CAP,S 0.01-25 B K	C209	87-010-196-080		CHIP CAPACITOR,0.1-25
C953	87-010-197-080		C-CAP,S 0.01-25 B K	C210	87-010-494-040		CAP,E 1-50 GAS
C954	87-010-400-080		CAP,E 0.47-50 M SME	C211	87-010-196-080		CHIP CAPACITOR,0.1-25
C956	87-010-263-080		CAP,E 100-10 SME	C212	87-A10-189-040		CAP,E 220-10
C959	87-010-196-080		CHIP CAPACITOR,0.1-25	C213	87-010-178-080		CHIP CAP 1000P
C960	87-010-196-080		CHIP CAPACITOR,0.1-25	C214	87-010-196-080		CHIP CAPACITOR,0.1-25
C962	87-010-401-080		CAP,E 1-50 M SME	C215	87-010-194-080		CAP, CHIP 0.047
CF801	87-008-261-010		FILTER, SFE10.7MA5-A	C216	87-010-197-080		CAP, CHIP 0.01 DM
CF802	87-008-261-010		FILTER, SFE10.7MA5-A	C217	87-010-494-040		CAP,E 1-50 GAS
CON102	87-NF4-645-010		CONN ASSY 4P SP	C218	87-010-196-080		CHIP CAPACITOR,0.1-25
CON351	86-NF5-618-110		CONN ASSY,8P RPB	C219	87-010-196-080		CHIP CAPACITOR,0.1-25
FB616	87-008-372-080		FLTR,EM1BLO1 RN1	C220	87-010-320-080		CHIP CAP 68P
FB617	87-008-372-080		FLTR,EM1BLO1 RN1	C221	87-010-312-080		C-CAP,S 15P-50 CH
FB646	87-008-372-080		FLTR,EM1BLO1 RN1	C222	87-010-316-080		C-CAP,S 33P-50 CH
FFE801	A8-7ZA-290-030		7ZA-2 FEUNM	C224	87-010-112-040		CAP,E 100-16
J252	87-A60-031-010		JACK,6.3 BLK ST W/S	C225	87-010-560-040		CAP,E 10-50 GAS
J253	87-099-801-010		JACK,PIN 1P BLK	C226	87-010-178-080		CHIP CAP 1000P
J254	87-A60-238-010		TERMINAL,SP 4P (MSC)	C351	87-010-497-040		CAP,E 4.7-35 GAS
J601	87-099-625-010		JACK PIN 4P,RVS (KM)	C352	87-010-497-040		CAP,E 4.7-35 GAS
J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02	C353	87-010-981-040		CAP,E 22-35 5L SRE
J940	81-754-629-010		CONNECTOR,XH 2P (UL)	C363	87-012-156-080		C-CAP,S 220P-50 CH
L201	87-003-383-010		COIL,1UH-S	C364	87-012-156-080		C-CAP,S 220P-50 CH
L202	87-003-383-010		COIL,1UH-S	C381	87-010-196-080		CHIP CAPACITOR,0.1-25
L301	87-A50-049-010		COIL,TRAP 85K(COI)	C382	87-010-196-080		CHIP CAPACITOR,0.1-25
L302	87-A50-049-010		COIL,TRAP 85K(COI)	C383	87-010-196-080		CHIP CAPACITOR,0.1-25
L351	87-007-342-010		COIL,OSC 85K BIAS	C384	87-010-196-080		CHIP CAPACITOR,0.1-25
L601	87-003-231-080		C-COIL,2125 1UH	C385	87-010-322-080		C-CAP,S 100P-50 CH
L770	87-005-847-080		COIL,2.2UH(CECS)	C386	87-015-694-040		E/CAP 0.47-50
L771	87-A50-165-010		COIL,FM DET-N(TOK)	C387	87-010-400-040		CAP,E 0.47-50
L772	87-A90-052-010		FLTR,CFMT-450A	C389	87-010-196-080		CHIP CAPACITOR,0.1-25
L791	87-A50-027-010		COIL,1 POLE MEX (TOK)	C401	87-010-196-080		CHIP CAPACITOR,0.1-25
L792	87-A50-027-010		COIL,1 POLE MPX (TOK)	C402	87-010-196-080		CHIP CAPACITOR,0.1-25
L832	87-005-847-080		COIL,2.2UH(CECS)	C403	87-010-196-080		CHIP CAPACITOR,0.1-25
L941	87-A50-022-010		COIL,ANT SW (COI) 7.96MHZ	C601	87-010-405-040		CAP,E 10-50
L942	87-A50-173-010		COIL,OSC SW-N (COI)	C602	87-010-176-080		C-CAP,S 680P-50 SL
L943	87-005-372-080		COIL,1MH	C603	87-010-186-080		CAP,CHIP 4700P
L944	87-A50-159-010		COIL,10MH	C604	87-010-322-080		C-CAP,S 100P-50 CH
L981	86-NF4-666-010		COIL,AM PACK 3(TOK)	C605	87-010-321-080		CHIP CAPACITOR,82P(J)
△ PR201	87-026-682-080		PROTECTOR,10A 491 SERIES 60 V	C606	87-010-196-080		CHIP CAPACITOR,0.1-25
△ PR202	87-026-682-080		PROTECTOR,10A 491 SERIES 60 V	C607	87-010-196-080		CHIP CAPACITOR,0.1-25
R123	87-022-200-080		RESISTOR, METAL 0.56 1W	C608	87-010-322-080		C-CAP,S 100P-50 CH
R231	87-A00-262-080		RES,M/F 0.15-2W J	C609	87-010-545-040		CAP,E 0.22-50 SME
R232	87-A00-262-080		RES,M/F 0.15-2W J	C610	87-010-177-080		C-CAP,S 820P-50 SL
RY101	87-045-389-010		RELAY,OSA-SS-212DM5	C611	87-010-406-040		CAP,E 22-50 SME
SFR301	87-024-435-080		SFR 33K RH 063EC	C614	87-010-248-040		CAP,E 220-10 SME
SFR302	87-024-435-080		SFR 33K RH 063EC	C615	87-010-498-040		CAP,E 10-16 GAS
SFR303	87-024-435-080		SFR 33K RH 063EC	C619	87-016-461-080		CHIP-CAPACITOR,0.47-16F
SFR304	87-024-435-080		SFR 33K RH 063EC	C701	87-010-421-040		CAP,E 4.7-50 5L
SFR305	87-024-436-080		SFR,47K RH063EC	C702	87-010-112-040		CAP,E 100-16
SFR306	87-024-436-080		SFR,47K RH063EC	C705	87-010-493-040		CAP,E 0.47-50 GAS
SFR351	87-024-436-080		SFR,47K RH063EC	C706	87-010-196-080		CHIP CAPACITOR,0.1-25
SFR352	87-024-436-080		SFR,47K RH063EC	C707	87-010-196-080		CHIP CAPACITOR,0.1-25
TC941	87-011-220-080		TRIMMER,CER 20P 6.15X5.9 VCT5	C708	87-010-400-040		CAP,E 0.47-50
TC942	87-011-221-080		TRIMMER,CER 30P 6.15X5.9 VCT5	C709	87-010-198-080		CAP, CHIP 0.022
TH201	87-A90-221-080		C-THMS,100K	C710	87-010-400-040		CAP,E 0.47-50
TH202	87-A90-221-080		C-THMS,100K	C711	87-010-197-080		CAP, CHIP 0.01 DM
W4	88-906-261-110		FF-CABLE,6P 1.25 260MM	C712	87-010-196-080		CHIP CAPACITOR,0.1-25
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309	C713	87-010-185-080		C-CAP,S 3900P-50 B
X771	87-030-354-010		VIB,CER 450.0KHZ BFU	C714	87-010-596-080		CAP, S 0.047-16
				C715	87-010-181-080		CAP,CHIP S 1800P
				C716	87-010-198-080		CAP, CHIP 0.022
				C717	87-010-176-080		C-CAP,S 680P-50 SL

FRONT C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C718	87-010-188-080		CAP,CHIP 6800P	S310	87-A90-095-080		SW,TACT EVQ11G04M
C719	87-012-145-080		CAP, CHIP S 270P CH	S311	87-A90-095-080		SW,TACT EVQ11G04M
C720	87-010-183-080		C-CAP,S 2700P-50 B	S312	87-A90-095-080		SW,TACT EVQ11G04M
C721	87-015-696-040		CAP,E 2.2-50 SRA	S313	87-A90-095-080		SW,TACT EVQ11G04M
C722	87-015-696-040		CAP,E 2.2-50 SRA	S314	87-A90-095-080		SW,TACT EVQ11G04M
C723	87-015-681-040		E/CAP 10-16	S315	87-A90-095-080		SW,TACT EVQ11G04M
C724	87-010-198-080		CAP, CHIP 0.022	S316	87-A90-095-080		SW,TACT EVQ11G04M
C725	87-010-493-040		CAP,E 0.47-50 GAS	S317	87-A90-095-080		SW,TACT EVQ11G04M
C726	87-010-197-080		CAP, CHIP 0.01 DM	S318	87-A90-095-080		SW,TACT EVQ11G04M
C727	87-010-196-080		CHIP CAPACITOR,0.1-25	S319	87-A90-095-080		SW,TACT EVQ11G04M
C728	87-010-185-080		C-CAP,S 3900P-50 B	S320	87-A90-095-080		SW,TACT EVQ11G04M
C729	87-010-596-080		CAP, S 0.047-16	S321	87-A90-095-080		SW,TACT EVQ11G04M
C730	87-010-181-080		CAP,CHIP S 1800P	S322	87-A90-095-080		SW,TACT EVQ11G04M
C731	87-010-198-080		CAP, CHIP 0.022	S323	87-A90-095-080		SW,TACT EVQ11G04M
C732	87-010-176-080		C-CAP,S 680P-50 SL	S324	87-A90-095-080		SW,TACT EVQ11G04M
C733	87-010-188-080		CAP,CHIP 6800P	S325	87-A90-095-080		SW,TACT EVQ11G04M
C734	87-012-145-080		CAP, CHIP S 270P CH	S326	87-A90-095-080		SW,TACT EVQ11G04M
C735	87-010-183-080		C-CAP,S 2700P-50 B	S327	87-A90-095-080		SW,TACT EVQ11G04M
C809	87-012-365-080		C-CAP,S 0.027-25VBK	S328	87-A90-095-080		SW,TACT EVQ11G04M
C810	87-012-365-080		C-CAP,S 0.027-25VBK	S329	87-A90-095-080		SW,TACT EVQ11G04M
C811	87-A10-201-080		C-CAP,S0.33-16 KB	S330	87-A90-095-080		SW,TACT EVQ11G04M
C812	87-A10-201-080		C-CAP,S0.33-16 KB	S331	87-A90-095-080		SW,TACT EVQ11G04M
C813	87-010-196-080		CHIP CAPACITOR,0.1-25	S332	87-A90-095-080		SW,TACT EVQ11G04M
C814	87-015-680-040		CAP,E 47-10 7L	S333	87-A90-095-080		SW,TACT EVQ11G04M
C815	87-010-234-040		CAP,E 47-16 5L	S334	87-A90-095-080		SW,TACT EVQ11G04M
C816	87-010-196-080		CHIP CAPACITOR,0.1-25	S335	87-A90-095-080		SW,TACT EVQ11G04M
C817	87-016-081-080		C-CAP,S 0.1-16 RK	S336	87-A90-095-080		SW,TACT EVQ11G04M
C818	87-010-560-040		CAP,E 10-50 GAS	S337	87-A90-095-080		SW,TACT EVQ11G04M
FB601	87-008-372-080		FILTER, EMI BL OIRNI	SW201	87-A90-392-010		SW,RTRY EC16B24304-20 NON
FL301	86-NF9-653-010		FL,BJ539GK	VR601	86-NFA-607-010		VR,RTRY 10K15AX1 1 V XV0121PVN
FL302	86-NF9-616-010		FL,BJ504GK	W2	87-A80-052-010		FF-CABLE, 14P 1.25 280MM BLK
J601	87-A60-284-010		JACK,3.5MO (MSC)	W3	87-A80-053-010		FF-CABLE, 8P 1.25 200MM BLK
J621	87-A60-284-010		JACK,3.5MO (MSC)	W5	88-913-191-110		FF-CABLE,13P 1.25
LED401	87-070-281-080		LED,SLZ736A-25-S-T1	W6	88-915-161-110		FF-CABLE, 15P 1.25
LED402	87-070-281-080		LED,SLZ736A-25-S-T1	X201	87-A70-070-080		VIB,CER 5.76MHZ CRHF
LED403	87-070-281-080		LED,SLZ736A-25-S-T1				
LED404	87-070-281-080		LED,SLZ736A-25-S-T1	VR C.B			
LED405	87-070-281-080		LED,SLZ736A-25-S-T1				
LED406	87-070-281-080		LED,SLZ736A-25-S-T1	SW202	87-A90-340-010		SW,RTRY EC16B24204-15
LED407	87-017-979-010		LED,SEL2413E				
LED408	87-017-979-010		LED,SEL2413E	CD KEY C.B			
LED409	87-017-979-010		LED,SEL2413E				
LED410	87-017-979-010		LED,SEL2413E	LED451	87-017-979-010		LED,SEL2413E
LED411	87-017-979-010		LED,SEL2413E	LED452	87-017-979-010		LED,SEL2413E
LED412	87-017-979-010		LED,SEL2413E	LED453	87-017-979-010		LED,SEL2413E
LED413	87-017-979-010		LED,SEL2413E	LED454	87-017-979-010		LED,SEL2413E
LED414	87-017-979-010		LED,SEL2413E	LED455	87-017-979-010		LED,SEL2413E
LED420	87-A40-259-080		LED,SLR-342VCT31 RED	LED456	87-017-979-010		LED,SEL2413E
LED421	87-A40-259-080		LED,SLR-342VCT31 RED	LED457	87-017-979-010		LED,SEL2413E
LED422	87-A40-259-080		LED,SLR-342VCT31 RED	LED458	87-017-979-010		LED,SEL2413E
LED423	87-A40-259-080		LED,SLR-342VCT31 RED	LED459	87-017-979-010		LED,SEL2413E
LED425	87-070-278-010		LED,SLZ-738A-24-S	LED460	87-017-979-010		LED,SEL2413E
LED426	87-070-278-010		LED,SLZ-738A-24-S	S451	87-A90-095-080		SW,TACT EVQ11G04M
LED427	87-070-290-010		LED,SLZ 936-30-S	S452	87-A90-095-080		SW,TACT EVQ11G04M
LED428	87-070-290-010		LED,SLZ 936-30-S	S453	87-A90-095-080		SW,TACT EVQ11G04M
LED429	87-070-278-010		LED,SLZ-738A-24-S	S454	87-A90-095-080		SW,TACT EVQ11G04M
LED430	87-070-278-010		LED,SLZ-738A-24-S	S455	87-A90-095-080		SW,TACT EVQ11G04M
PR101	87-026-689-080		PROTECTOR,1A 491 SERIES 60 V	S456	87-A90-095-080		SW,TACT EVQ11G04M
R341	87-022-355-080		C-RES,S10K-1/10W F	S457	87-A90-095-080		SW,TACT EVQ11G04M
R342	87-022-355-080		C-RES,S10K-1/10W F				
R343	87-022-355-080		C-RES,S10K-1/10W F	AC2 C.B			
S301	87-A90-095-080		SW,TACT EVQ11G04M				
S302	87-A90-095-080		SW,TACT EVQ11G04M	PR1	87-026-682-080		PROTECTOR,10A 491 SERIES 60 V
S303	87-A90-095-080		SW,TACT EVQ11G04M	PR2	87-026-682-080		PROTECTOR,10A 491 SERIES 60 V
S304	87-A90-095-080		SW,TACT EVQ11G04M	PR3	87-026-681-080		PROTECTOR,5A 491 SERIES 60 V
S305	87-A90-095-080		SW,TACT EVQ11G04M	PR4	87-026-681-080		PROTECTOR,5A 491 SERIES 60 V
S306	87-A90-095-080		SW,TACT EVQ11G04M	PR5	87-026-682-080		PROTECTOR,10A 491 SERIES 60 V
S307	87-A90-095-080		SW,TACT EVQ11G04M	PR6	87-026-682-080		PROTECTOR,10A 491 SERIES 60 V
S308	87-A90-095-080		SW,TACT EVQ11G04M	W1	85-NF5-628-010		F-CABLE 7P-2.5
S309	87-A90-095-080		SW,TACT EVQ11G04M				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
PT C.B				C537	87-012-393-080		C-CAP,S 0.22-16 R K
△ F101	87-035-368-010		FUSE,4A 250V T	C538	87-012-393-080		C-CAP,S 0.22-16 R K
△ F102	87-035-368-010		FUSE,4A 250V T	C539	87-016-081-080		C-CAP,S 0.1-16 RK
△ FC001	87-033-213-080		CLAMP, FUSE	C542	87-016-081-080		C-CAP,S 0.1-16 RK
△ FC002	87-033-213-080		CLAMP, FUSE	C543	87-016-081-080		C-CAP,S 0.1-16 RK
△ FC003	87-033-213-080		CLAMP, FUSE	C546	87-016-081-080		C-CAP,S 0.1-16 RK
△ FC004	87-033-213-080		CLAMP, FUSE	C600	87-018-209-080		CAP,TC-U 0.1-50 Z F
△ SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301	C602	87-010-314-080		C-CAP,S 22P-50 J CH
△ PT101	86-NFW-631-010		PT,6NF-W HR	C604	87-016-460-080		C-CAP,S 0.22-16 KB
△ T001	87-A60-317-010		TERMINAL, 1P MSC	C605	87-016-460-080		C-CAP,S 0.22-16 KB
△ T002	87-A60-317-010		TERMINAL, 1P MSC	C606	87-016-526-080		C-CAP,S 0.47-16 BK
PRO C.B				C607	87-010-183-080		C-CAP,S 2700P-50 KB
C101	87-012-368-080		C-CAP,S 0.1-50 F	C608	87-010-176-080		C-CAP,S 680P-50 J SL
C102	87-012-368-080		C-CAP,S 0.1-50 F	C609	87-016-552-080		C-CAP,S 0.082-16 KB
C103	87-010-398-090		CAP,E 2200-35V	C610	87-016-552-080		C-CAP,S 0.082-16 KB
C104	87-010-398-090		CAP,E 2200-35V	C611	87-010-183-080		C-CAP,S 2700P-50 KB
C106	87-010-382-080		CAP, ELECT 22-25V	C612	87-010-176-080		C-CAP,S 680P-50 J SL
C109	87-016-369-080		C-CAP,S 0.033-25 B K	C613	87-A10-201-080		C-CAP,S 0.33-16 KB
C110	87-010-194-080		CAP, CHIP 0.047	C615	87-010-263-080		CAP, ELECT 100-10V
C112	87-010-196-080		CHIP CAPACITOR,0.1-25	C616	87-010-404-080		CAP, ELECT 4.7-50V
C201	87-010-186-080		CAP,CHIP 4700P	C618	87-010-263-080		CAP, ELECT 100-10V
C202	87-010-402-080		CAP, ELECT 2.2-50V	C621	87-010-403-080		CAP, ELECT 3.3-50V
C204	87-010-405-080		CAP, ELECT 10-50V	C622	87-012-141-080		C-CAP,S 0.22-16 ZF
C205	87-A10-596-080		C-CAP,S 100P-100 J CH	C623	87-010-196-080		C-CAP,S 0.1-25 ZF
C208	87-010-260-080		CAP, ELECT 47-25V	C701	87-010-401-080		CAP, ELECT 1-50V
C209	87-010-993-080		C-CAP,S 0.056-25 B	C702	87-010-401-080		CAP, ELECT 1-50V
C210	87-010-196-080		CHIP CAPACITOR,0.1-25	C703	87-010-263-080		CAP, ELECT 100-10V
C211	87-010-197-080		CAP, CHIP 0.01 DM	C706	87-010-314-080		C-CAP,S 22P-50 J CH
C212	87-010-196-080		CHIP CAPACITOR,0.1-25	C707	87-016-526-080		C-CAP,S 0.47-16 BK
C213	87-010-406-080		CAP, ELECT 22-50	C708	87-016-526-080		C-CAP,S 0.47-16 BK
C301	87-010-183-080		C-CAP,S 2700P-50 B	C709	87-010-380-080		CAP, ELECT 47-16V
C302	87-010-402-080		CAP, ELECT 2.2-50V	FB106	87-008-372-080		FILTER, EMI BL01 RN1
C304	87-010-382-080		CAP, ELECT 22-25V	J201	87-A60-380-010		JACK,PIN 3P O/W/R YKC21-3
C305	87-A10-596-080		C-CAP,S 100P-100 J CH	L201	87-003-383-010		COIL,1UH-S
C308	87-010-260-080		CAP, ELECT 47-25V	L301	87-003-383-010		COIL,1UH-S
C309	87-010-993-080		C-CAP,S 0.056-25 B	R215	87-A00-257-080		RES,M/F 0.15-1W J
C310	87-010-196-080		CHIP CAPACITOR,0.1-25	R315	87-A00-257-080		RES,M/F 0.15-1W J
C311	87-010-197-080		CAP, CHIP 0.01 DM	R524	87-022-365-080		C-RES,S 100K-1/10W F
C312	87-010-196-080		CHIP CAPACITOR,0.1-25	DECK C.B			
C313	87-010-406-080		CAP, ELECT 22-50	W001	82-ZM3-601-019		REN,CORD,4P-75
C501	87-010-176-080		C-CAP,S 680P-50 SL	SFR1	87-024-581-019		SFR,3.3K DIA 6H
C502	87-010-176-080		C-CAP,S 680P-50 SL	SOL1	82-ZM1-618-310		SOL ASSY, 27
C507	87-016-456-080		CAP,E 22-16 LLA	SOL2	82-ZM1-618-310		SOL ASSY, 27
C508	87-010-196-080		CHIP CAPACITOR,0.1-25	SW1	87-A90-248-019		SW,MICRO ESE11SH2CXQ
C509	87-010-112-080		CAP, ELECT 100-16V	SW2	87-A90-248-019		SW,MICRO ESE11SH2CXQ
C510	87-010-380-080		CAP, ELECT 47-16V	SW3	87-A90-248-019		SW,MICRO ESE11SH2CXQ
C512	87-016-472-080		CAP,E 22-16 SME(K)	SW4	87-036-110-010		SW,MICRO SPPB62
C513	87-010-196-080		CHIP CAPACITOR,0.1-25	SW5	87-036-110-010		SW,MICRO SPPB62
C514	87-010-263-080		CAP, ELECT 100-10V	SW6	87-036-110-010		SW,MICRO SPPB62
C517	87-010-314-080		C-CAP,S 22P-50 J CH	SW8	87-A90-248-019		SW,MICRO ESE11SH2CXQ
C518	87-010-378-080		CAP, ELECT 10-16V	SW9	87-036-110-010		SW,MICRO SPPB62
C519	87-010-404-080		CAP, ELECT 4.7-50V	CON502	87-099-756-019		CONN, 15P 9604 S F
C520	87-010-404-080		CAP, ELECT 4.7-50V	HEAD-1 C.B			
C521	87-010-400-080		CAP, ELECT 0.47-50V	85-ZM3-602-010			PWB,FLEX A
C522	87-010-378-080		CAP, ELECT 10-16V	HEAD-2 C.B			
C523	87-010-400-080		CAP, ELECT 0.47-50V	85-ZM3-602-010			PWB,FLEX A
C524	87-016-081-080		C-CAP,S 0.1-16 RK				
C525	87-010-248-080		CAP, ELECT 220-10V				
C526	87-012-140-080		CAP 470P				
C527	87-010-186-080		CAP,CHIP 4700P				
C528	87-010-186-080		CAP,CHIP 4700P				
C529	87-010-404-080		CAP, ELECT 4.7-50V				
C532	87-A10-229-080		C-CAP,S 0.68-10 K W5				
C533	87-012-393-080		C-CAP,S 0.22-16 R K				
C534	87-012-393-080		C-CAP,S 0.22-16 R K				
C535	87-010-404-080		CAP, ELECT 4.7-50V				
C536	87-010-404-080		CAP, ELECT 4.7-50V				

TRANSISTOR ILLUSTRATION



E C B

2SA1296GR
KTA1266GR
KTC3198GR



E C B

CSD1489B
CSB1058B



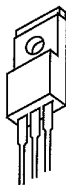
E B C

C2N5401
C2N5551



E C B

2SA933S



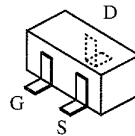
B C E

2SB1370
FN1016
FP1016
2SD2061

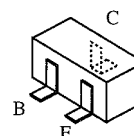


G D S

2SK2723



2SK2158

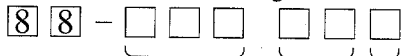


2SA1235F RN1410
2SC2714 RT1P144C
2SC3052F RT1N141C
CMBT5551 RT1N144C
CSA1362GR RT1P141C
CSD1306E DTA124EK
DTA144WK

○チップ抵抗部品コード/CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding



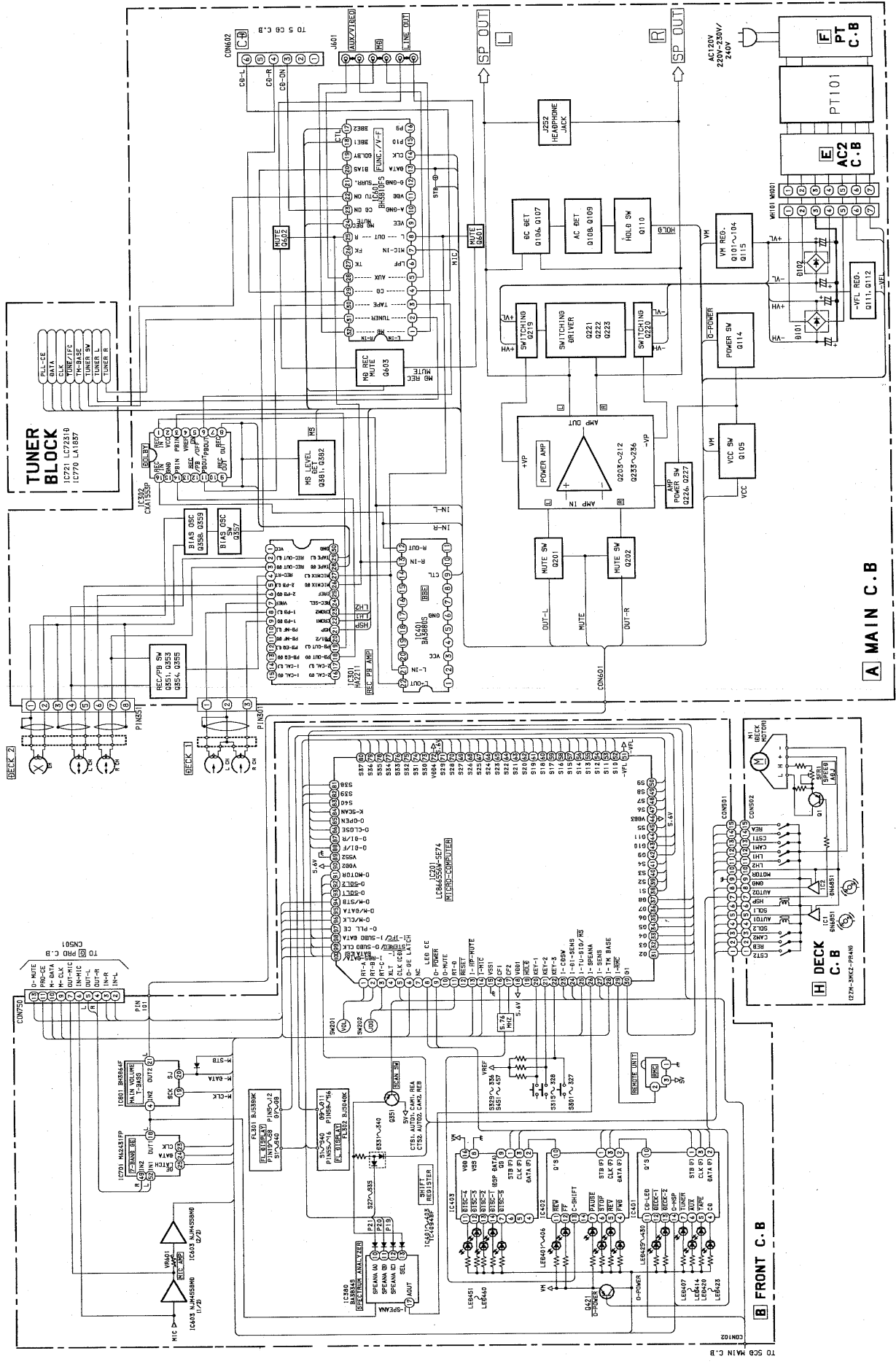
A
抵抗部品コード
Resistor Code

桁表示
Figure
抵抗値
Value of resistor

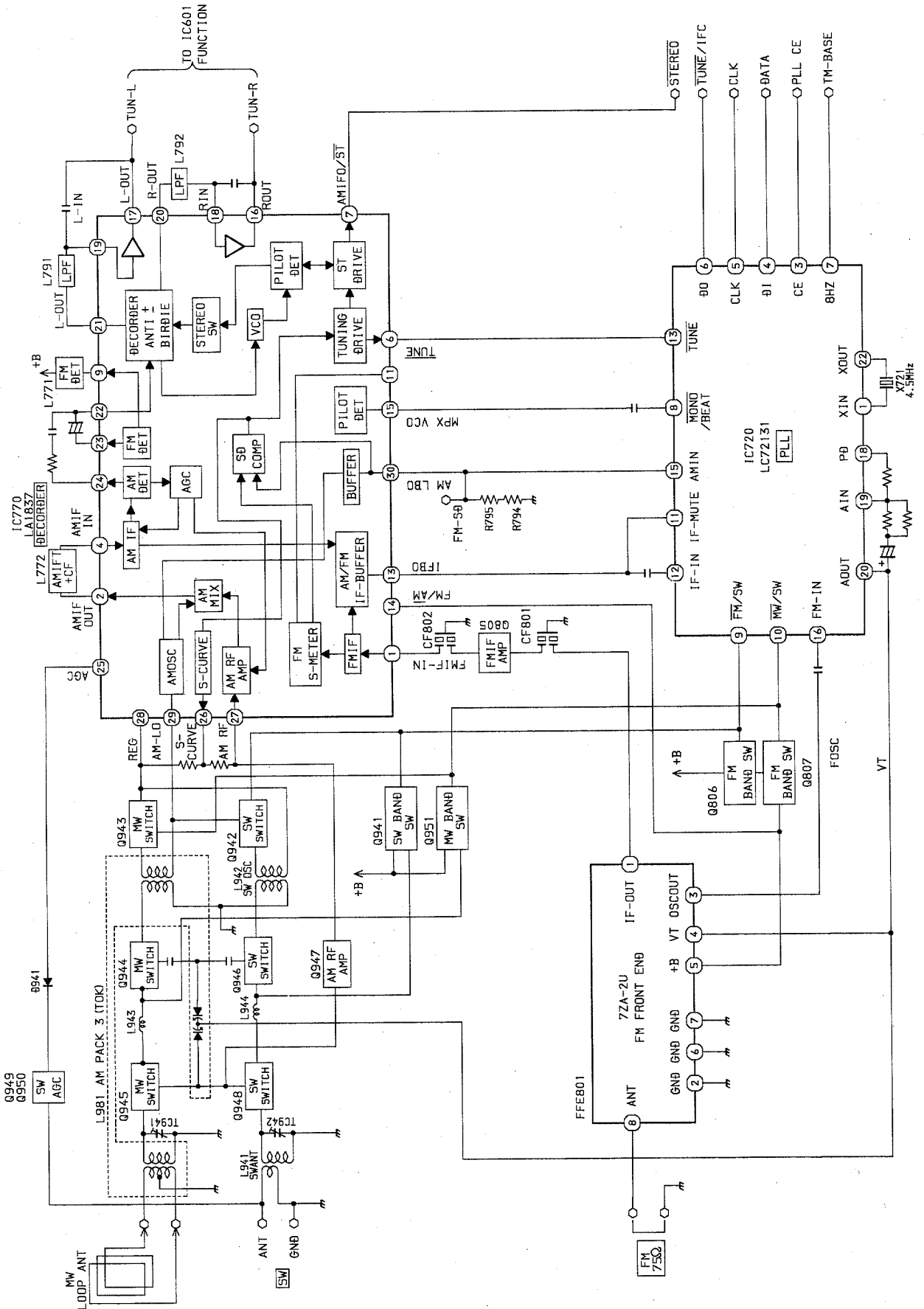
チップ抵抗
Chip resistor

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

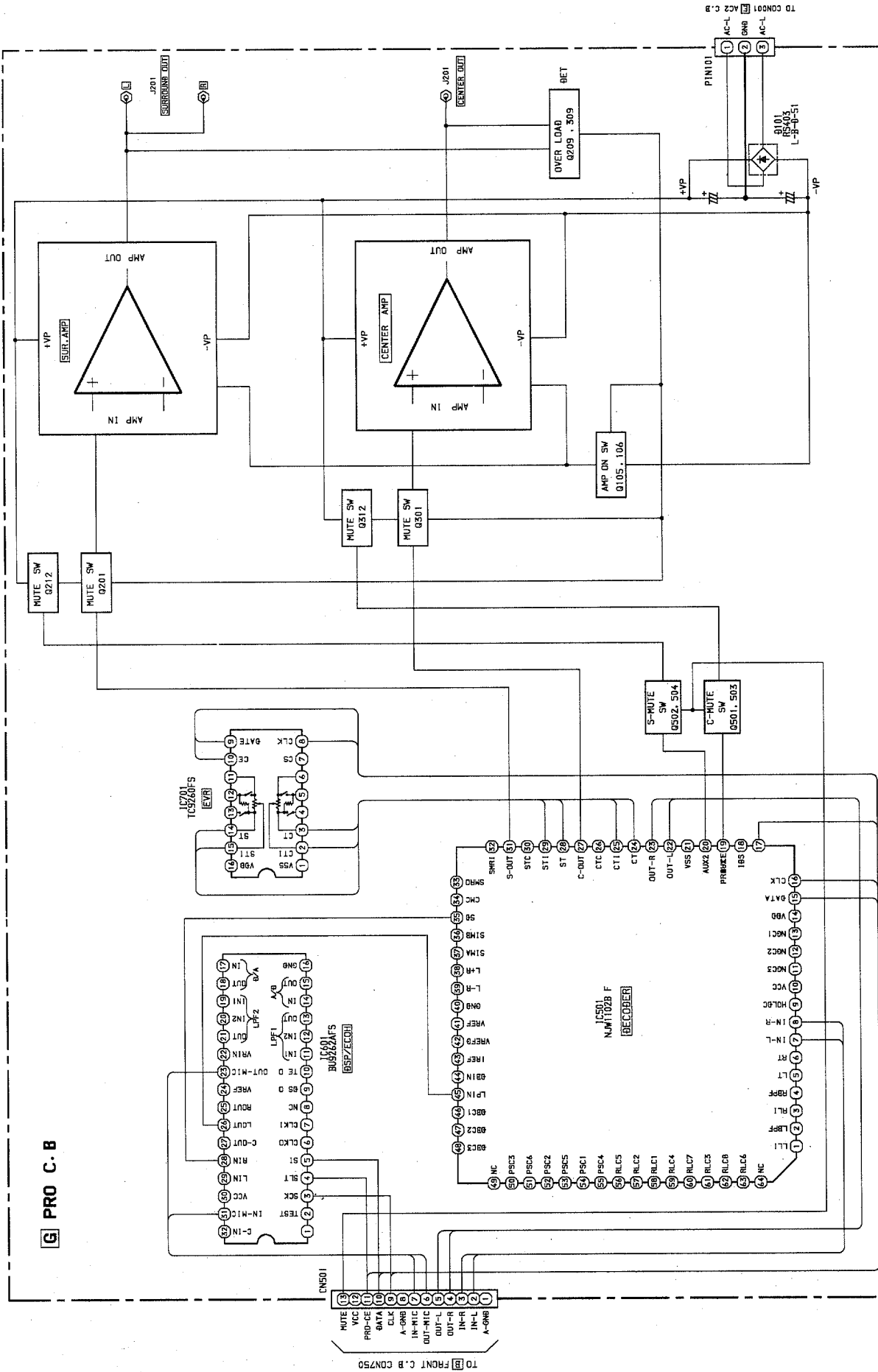
BLOCK DIAGRAM - 1 (MAIN / FRONT)



BLOCK DIAGRAM - 2 (TUNER)



BLOCK DIAGRAM - 3 (PROLOGIC)



WIRING - 1 (MAIN)

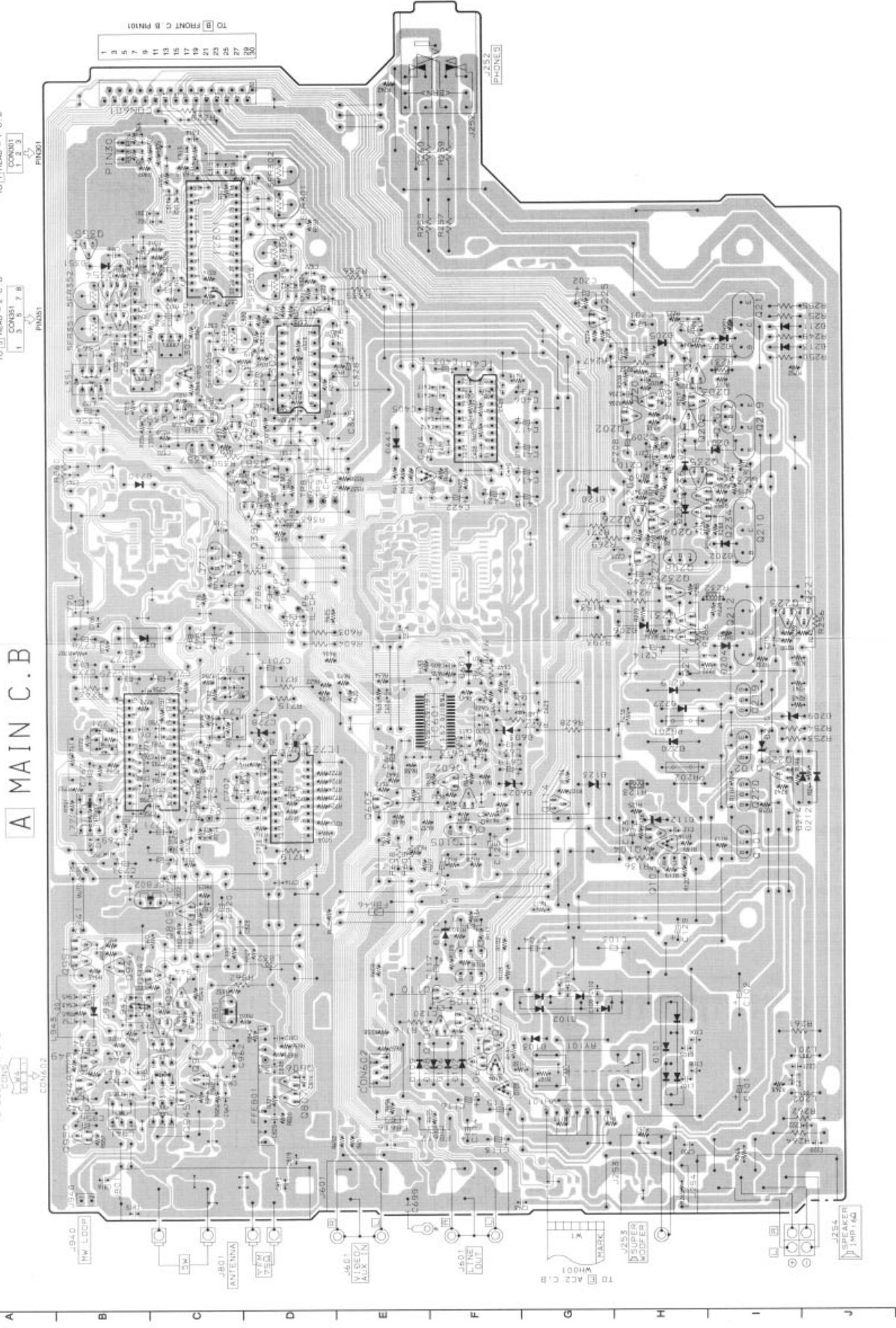
A MAIN C.B.

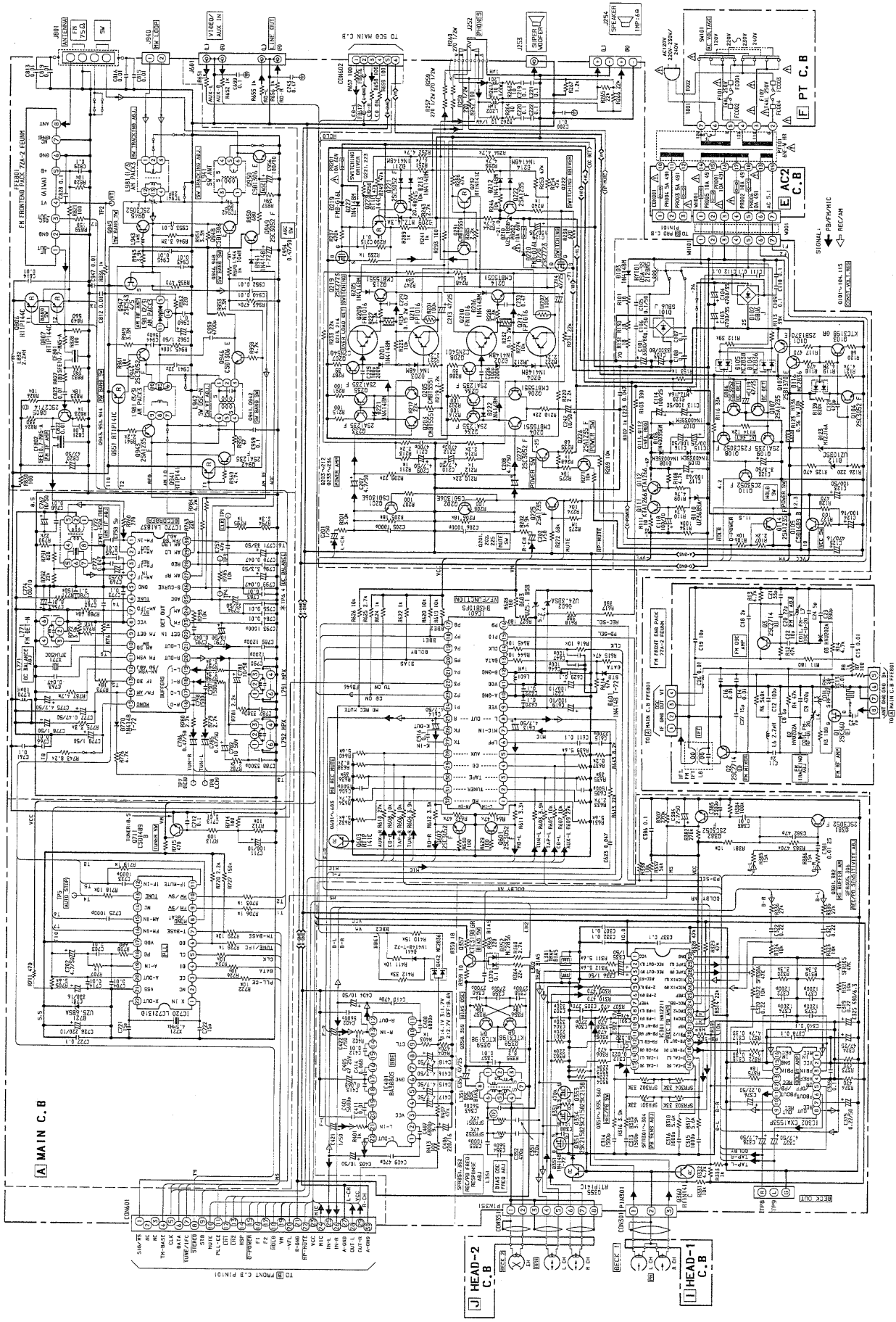
TO 500 MAIN C.B.

TO HEAD - 2 C.B.

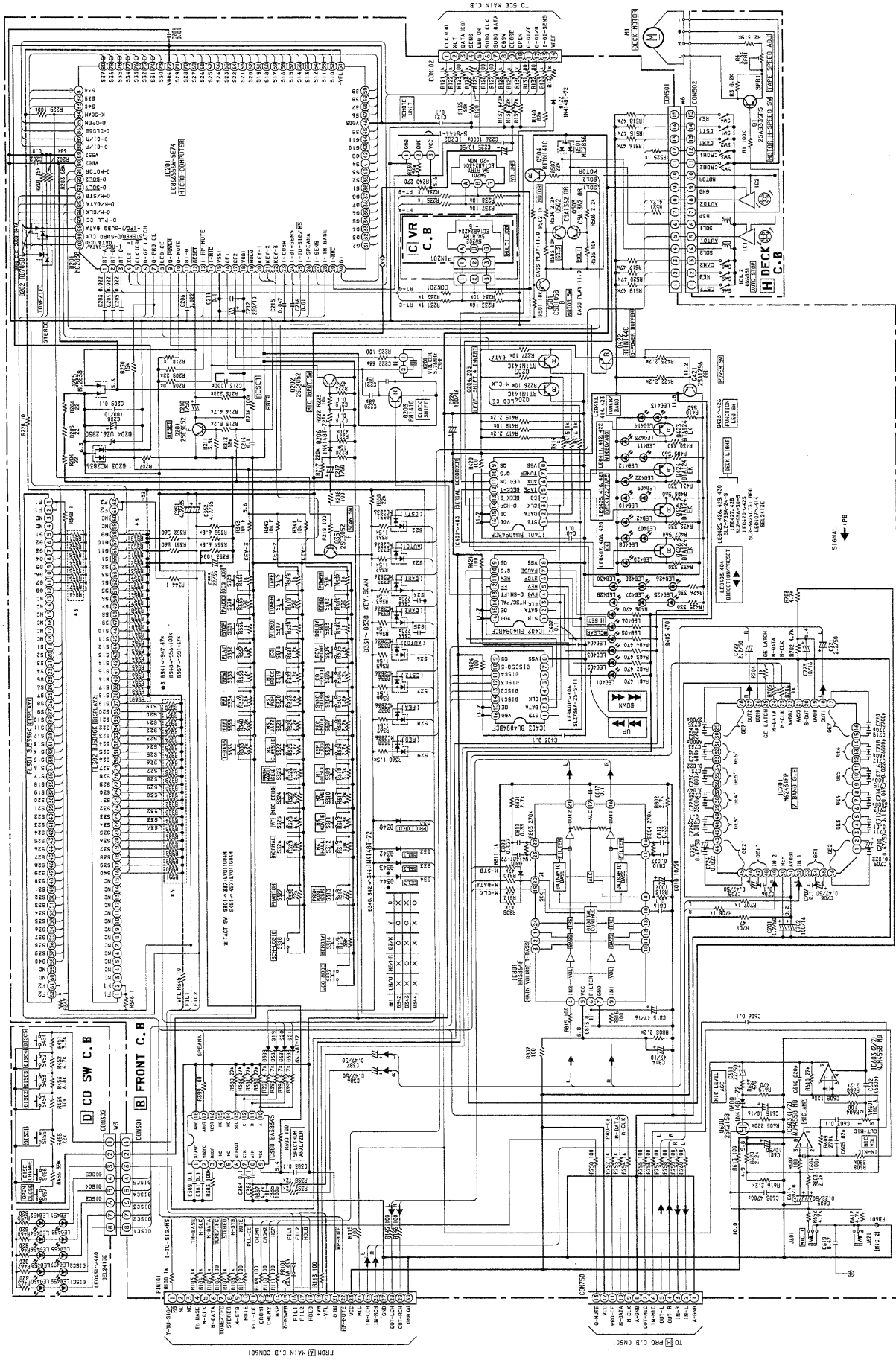
TO HEAD - 1 C.B.

TO FRONT C.B. P1N01





SCHEMATIC DIAGRAM - 2 (FRONT)

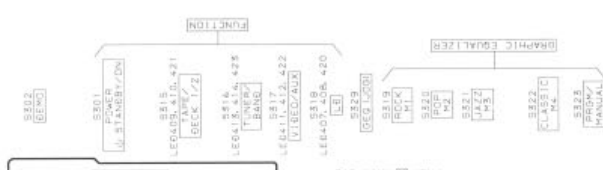
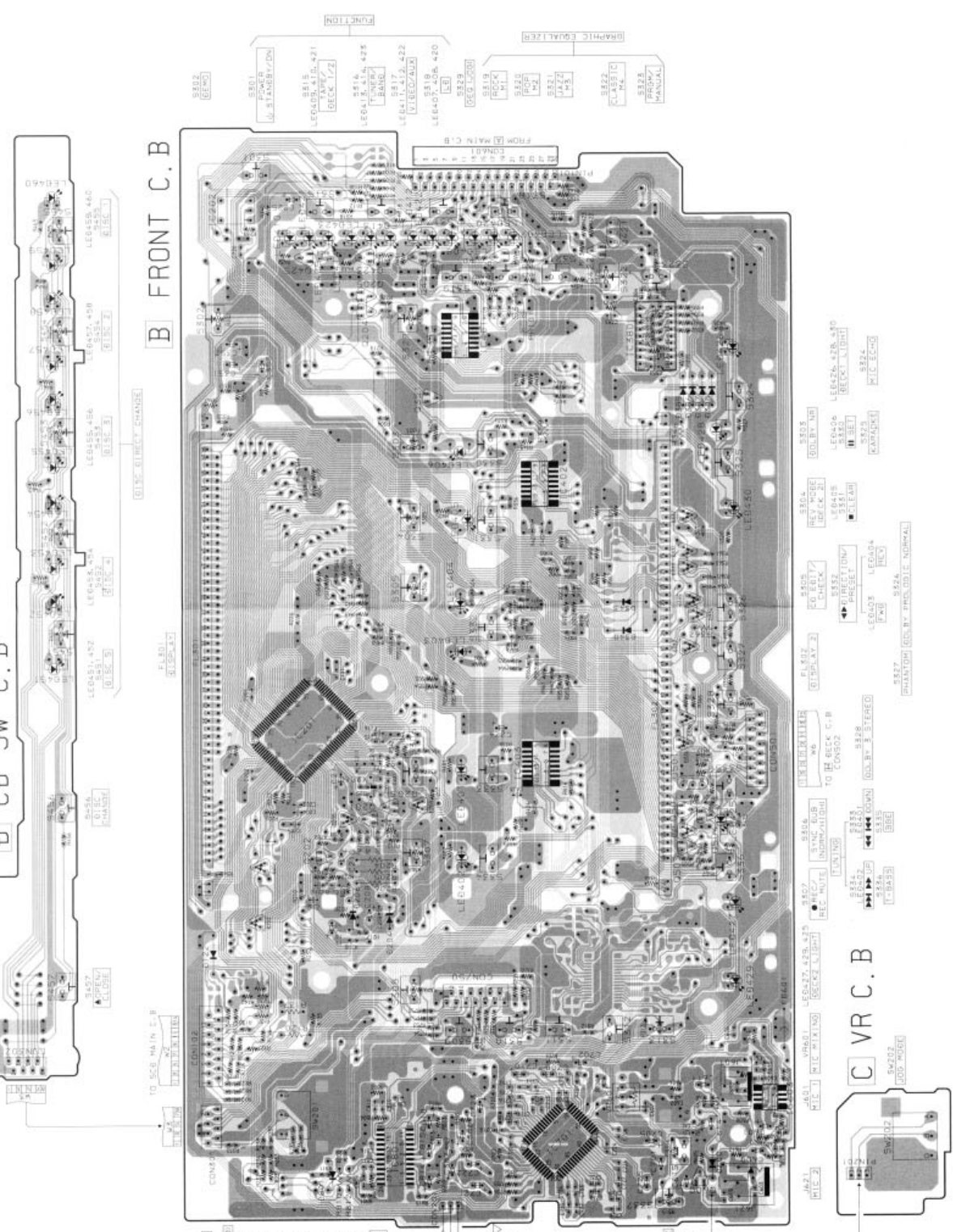


A 2 3 4 5 6 7 8 9 10 11 12 13 14

CD SW C.B

B FRONT C.B

C VR C.B



WIRING-3 (PROLOGIC)

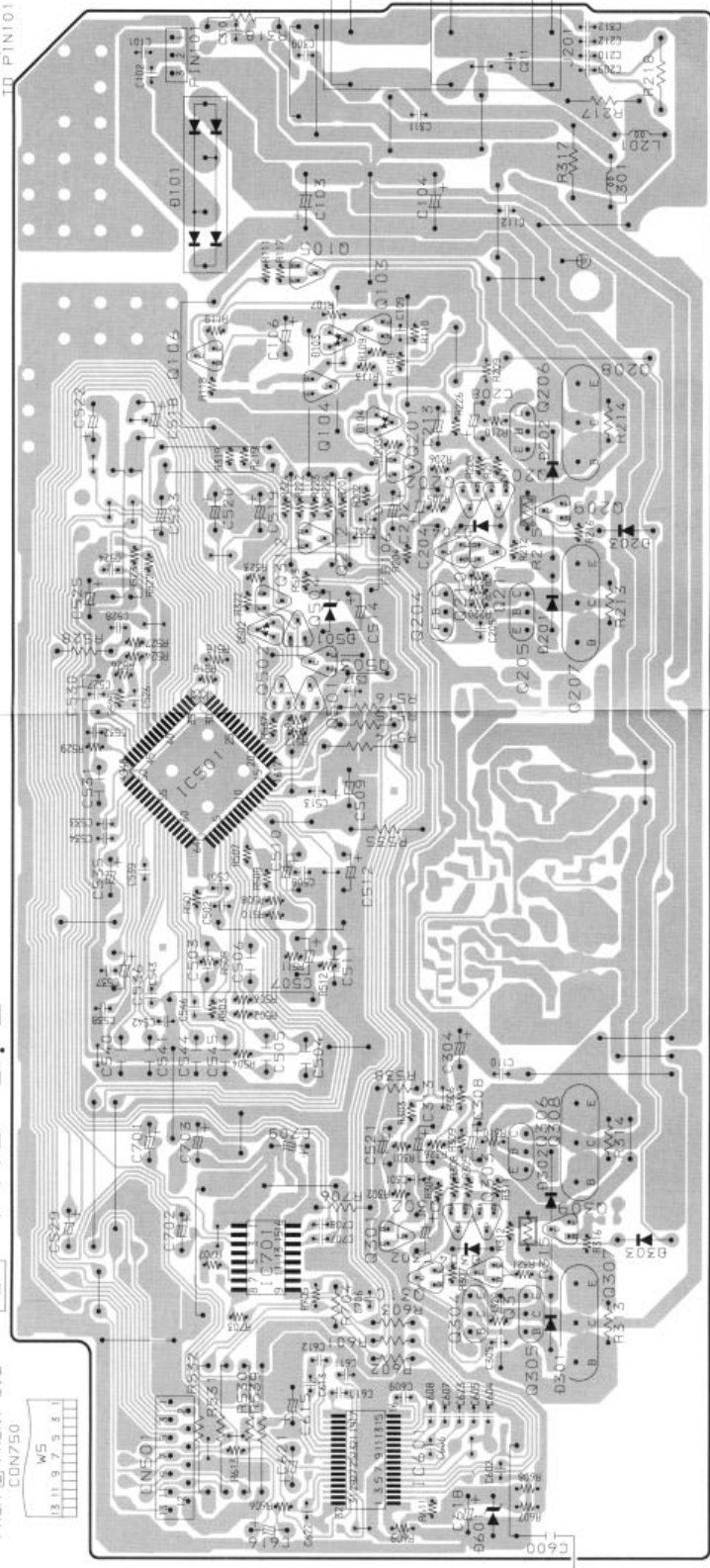
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A

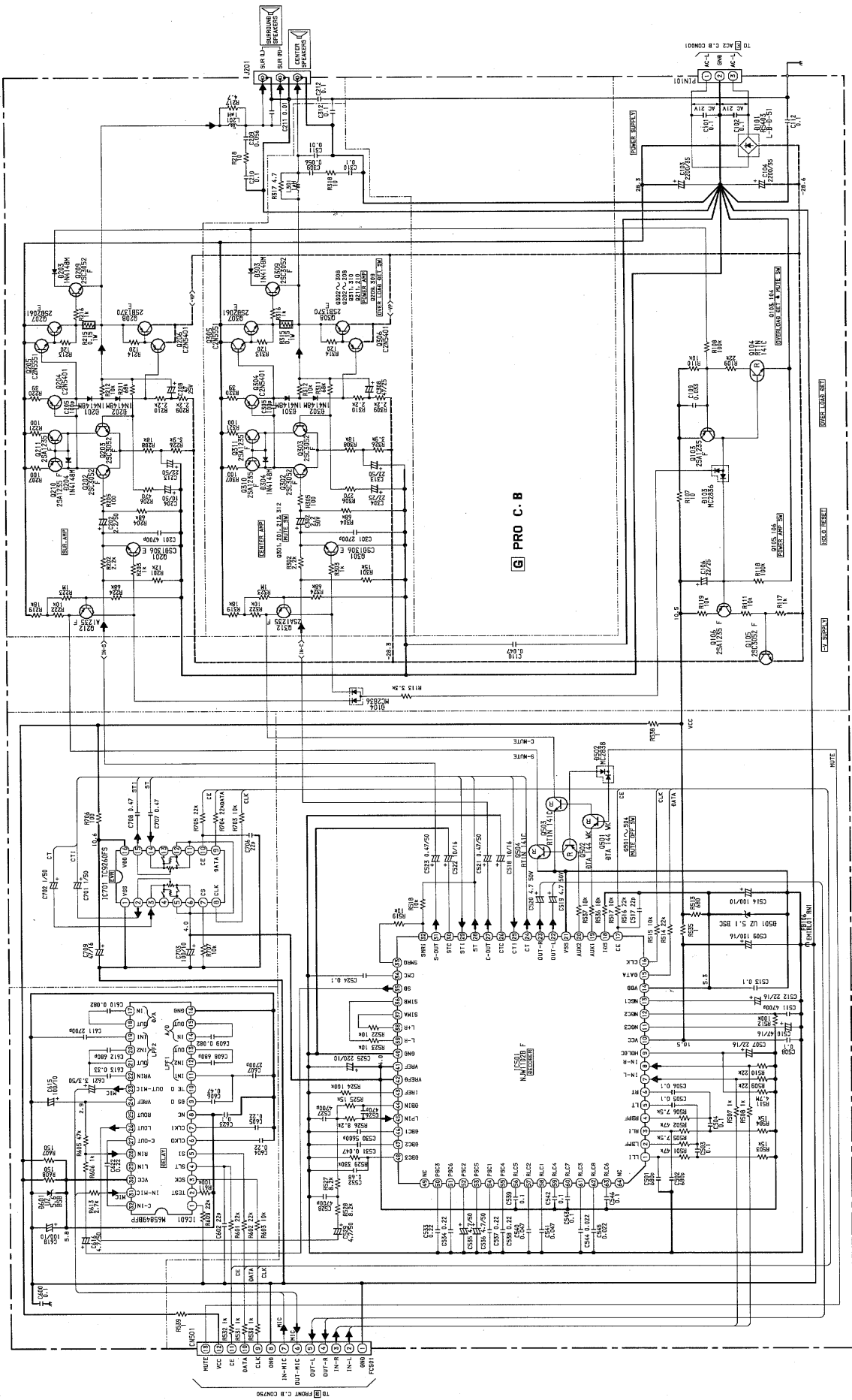
FROM [E] AC2 C.B

G PRO C.B

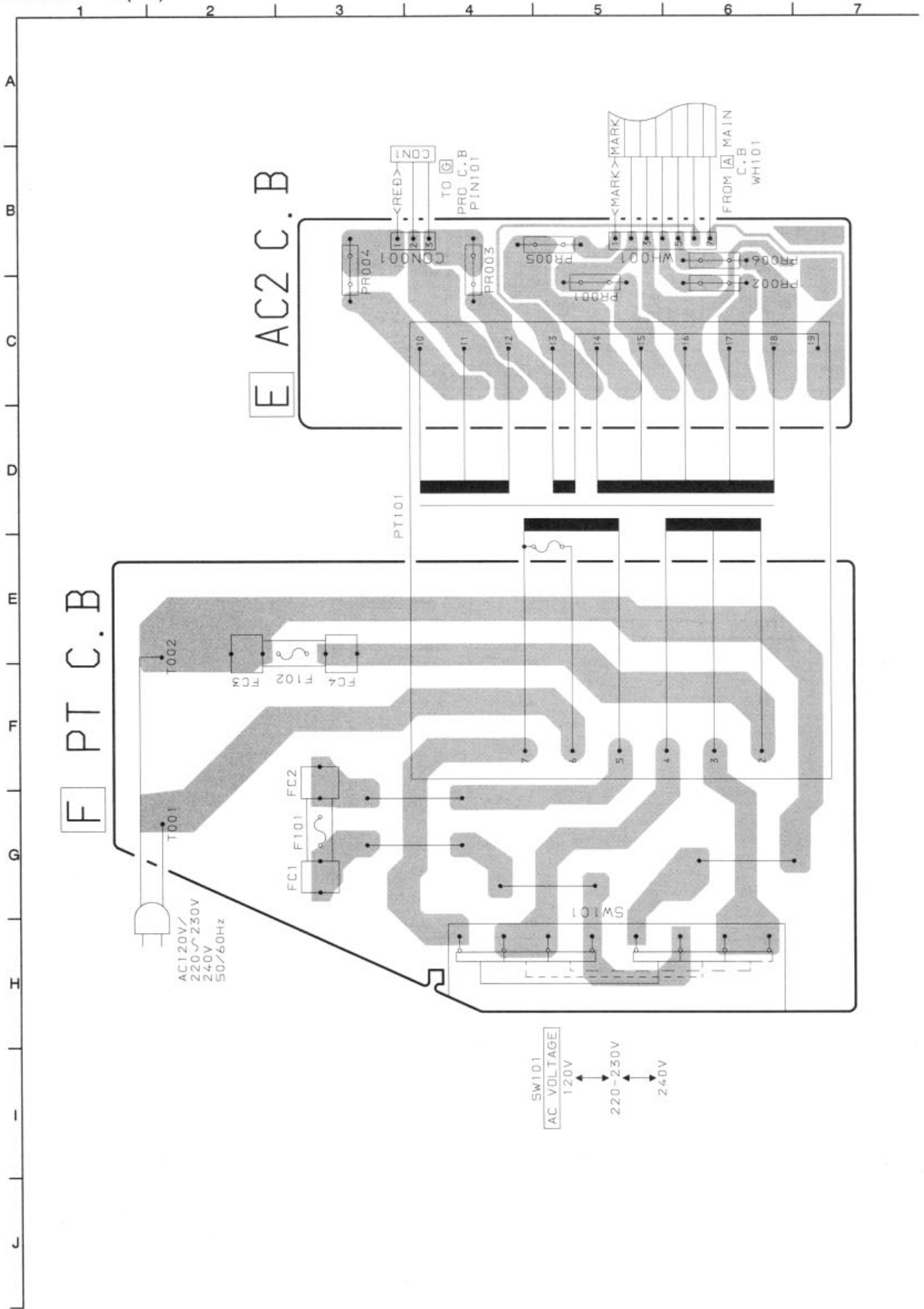
FROM [B] FRONT C.B
CON750



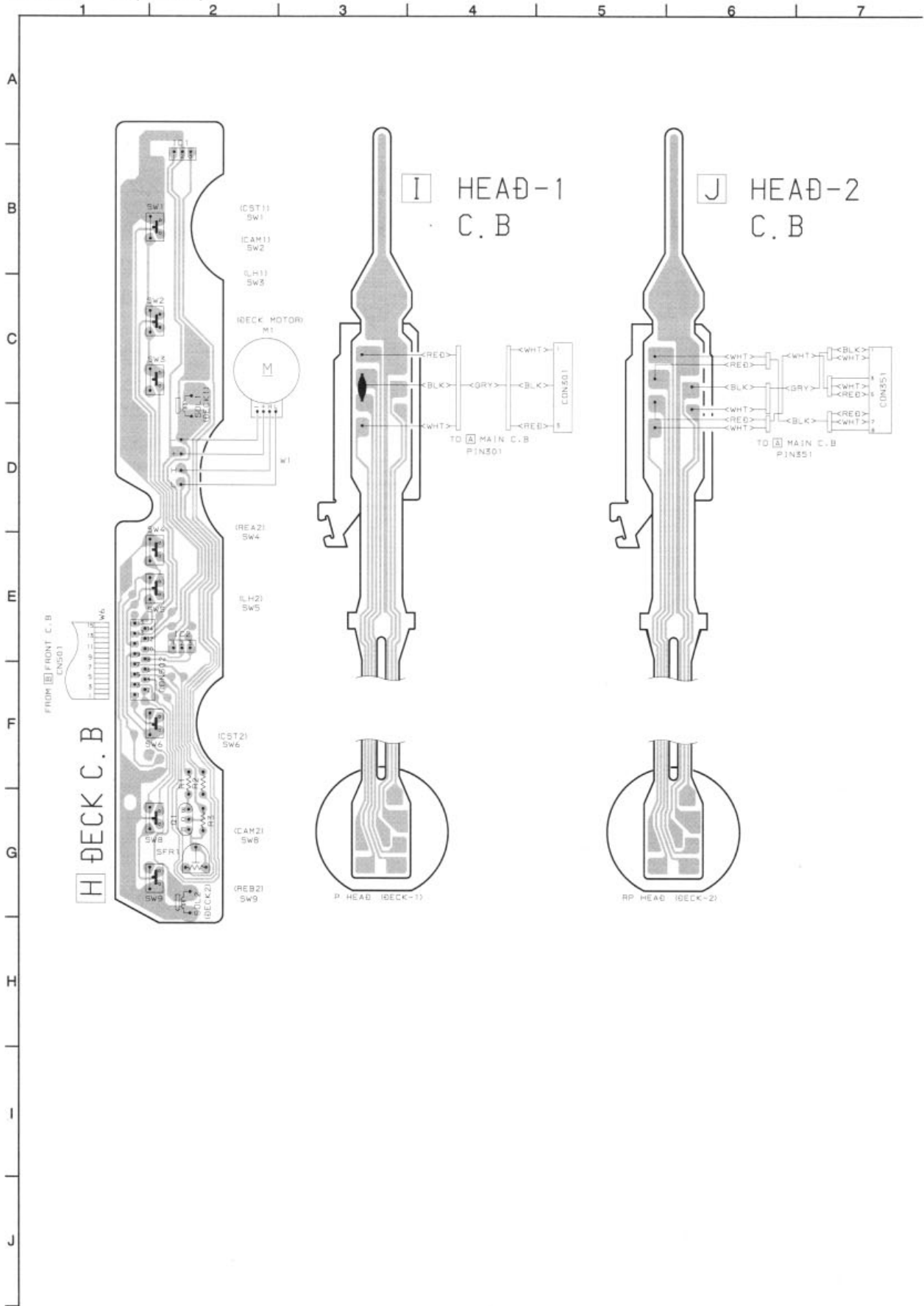
SCHEMATIC DIAGRAM - 3 (PROLOGIC)



WIRING - 4 (PT)



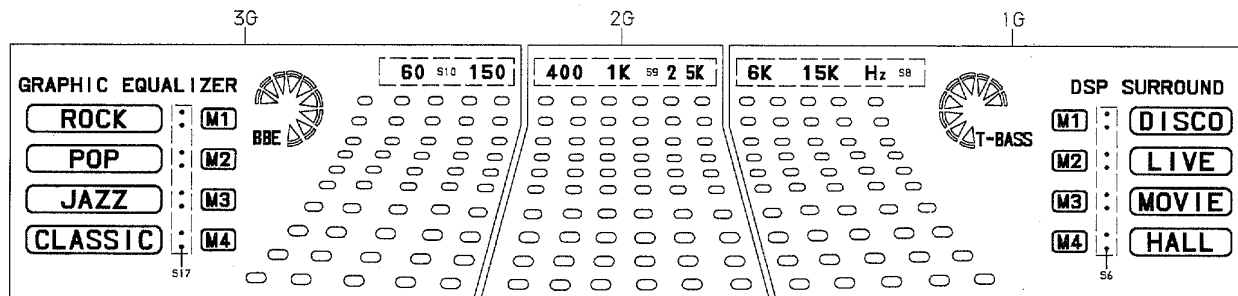
WIRING - 5 (DECK)



FL GRID ASSIGNMENT & ANODE CONNECTION

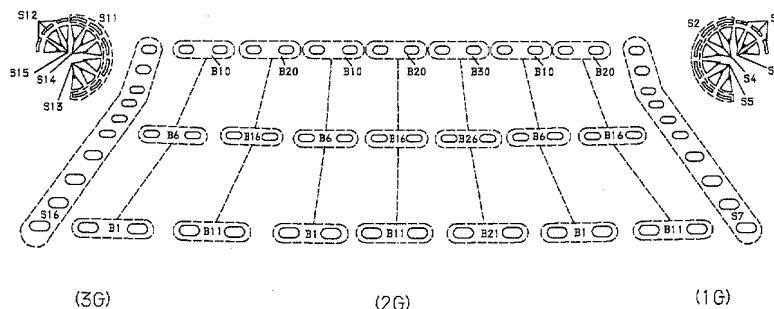
FL, BJ504GK

GRID ASSIGNMENT



BJ504GK
GRID ASSIGNMENT

SEGMENT DESIGNATION

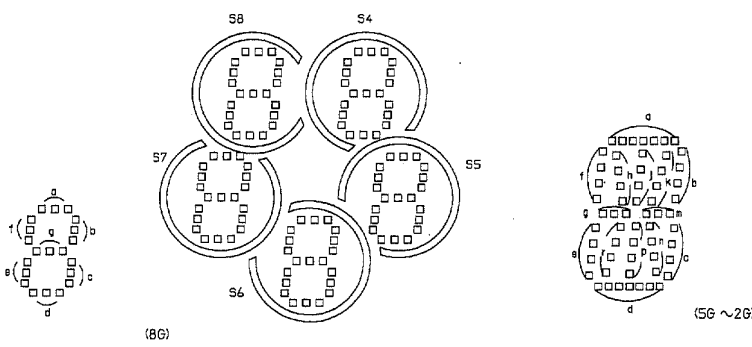
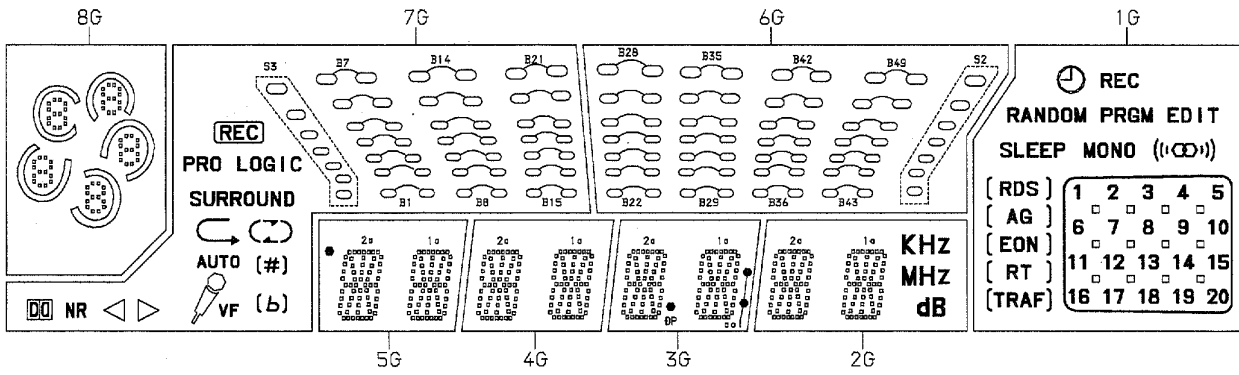


ANODE CONNECTION

	3G	2G	1G
P1	GRAPHIC EQUALIZER	—	DSP SURROUND
P2	ROCK POP JAZZ CLASSIC	—	DISCO LIVE MOVIE HALL
P3	(ROCK)	—	(DISCO)
P4	(POP)	—	(LIVE)
P5	(JAZZ)	—	(MOVIE)
P6	(CLASSIC)	—	(HALL)
P7	S10	S9	S8
P8	M1 M3 M2 M4	—	M1 M3 M2 M4
P9	<input type="checkbox"/> (M1)	—	<input type="checkbox"/> (M1)
P10	<input type="checkbox"/> (M2)	—	<input type="checkbox"/> (M2)
P11	<input type="checkbox"/> (M3)	B30	<input type="checkbox"/> (M3)
P12	<input type="checkbox"/> (M4)	B29	<input type="checkbox"/> (M4)
P13	S11	B28	S1
P14	S12	B27	S2
P15	S13	B26	S3
P16	S14	B25	S4
P17	S15	B24	S5
P18	BBE	B23	T-BASS
P19	S16	B22	S7
P20	S17	B21	S8

	3G	2G	1G
P21	B20	B20	B20
P22	B19	B19	B19
P23	B18	B18	B18
P24	B17	B17	B17
P25	B16	B16	B16
P26	B15	B15	B15
P27	B14	B14	B14
P28	B13	B13	B13
P29	B12	B12	B12
P30	B11	B11	B11
P31	B10	B10	B10
P32	B9	B9	B9
P33	B8	B8	B8
P34	B7	B7	B7
P35	B6	B6	B6
P36	B5	B5	B5
P37	B4	B4	B4
P38	B3	B3	B3
P39	B2	B2	B2
P40	B1	B1	B1

GRID ASSIGNMENT

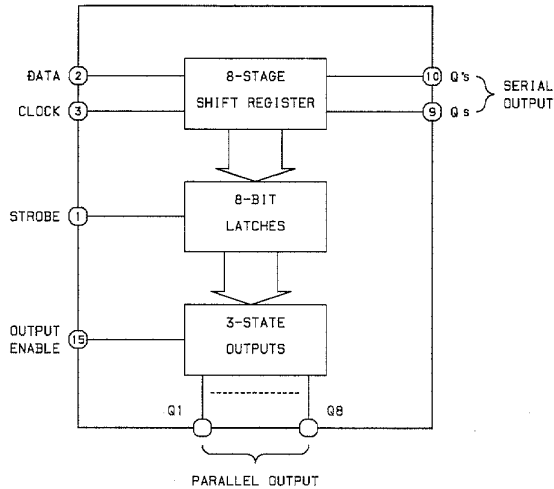


ANODE CONNECTION

	8G	7G	6G	5G	4G	3G	2G	1G
P1	5a	—	—	—	—	—	—	REC
P2	5b	NR	—	—	—	—	—	EDIT
P3	5f	NR	—	—	—	—	—	EDIT
P4	5g	◀	—	—	—	—	—	AI
P5	5c	▶	—	—	—	—	—	PRGM
P6	5e	VF	—	—	—	—	—	MONO
P7	5d	REC	—	—	—	—	—	RANDOM
P8	S8	S3	S2	—	—	—	—	SLEEP
P9	S6	⌋	○	—	—	—	—	((()))
P10	3d	↔	—	2a	2a	2a	2a	RDS
P11	3e	⌋	—	2h	2h	2h	2h	(RDS)
P12	3c	↶	—	2j	2j	2j	2j	AG
P13	3g	(#)	B22	2k	2k	2k	2k	(AG)
P14	3f	B1	B29	2f	2f	2f	2f	EON
P15	3b	B8	B36	2b	2b	2b	2b	(EON)
P16	3a	B15	B43	2m	2m	2m	2m	RT
P17	S5	#	B23	2g	2g	2g	2g	(RT)
P18	2d	B2	B30	2c	2c	2c	2c	TRAF
P19	2e	B9	B37	2e	2e	2e	2e	(TRAF)
P20	2c	B16	B44	2r	2r	2r	2r	1

	8G	7G	6G	5G	4G	3G	2G	1G
P21	2q	AUTO	B24	2p	2p	2p	2p	2
P22	2f	B3	B31	2n	2n	2n	2n	3
P23	2b	B10	B38	2d	2d	2d	2d	4
P24	2a	B17	B45	—	—	col (L)	—	KHz 5
P25	S7	SURROUND	B25	—	—	col (F)	—	MHz 6
P26	4d	B4	B32	—	—	dB	—	dB 7
P27	4e	B11	B39	1o	1o	1o	1o	8
P28	4c	B18	B46	1h	1h	1h	1h	9
P29	4g	PRO LOGIC	B26	1j	1j	1j	1j	10
P30	4f	B5	B33	1k	1k	1k	1k	11
P31	4b	B12	B40	1f	1f	1f	1f	12
P32	4a	B19	B47	1b	1b	1b	1b	13
P33	S4	(b)	B27	1m	1m	1m	1m	14
P34	1d	B6	B34	1g	1g	1g	1g	15
P35	1e	B13	B41	1c	1c	1c	1c	16
P36	1c	B20	B48	1e	1e	1e	1e	17
P37	1g	⌋	B28	1r	1r	1r	1r	18
P38	1f	B7	B35	1p	1p	1p	1p	19
P39	1b	B14	B42	1n	1n	1n	1n	20
P40	1a	B21	B49	1d	1d	1d	1d	S1

IC BLOCK DIAGRAM - 1
IC, BU4094BCF

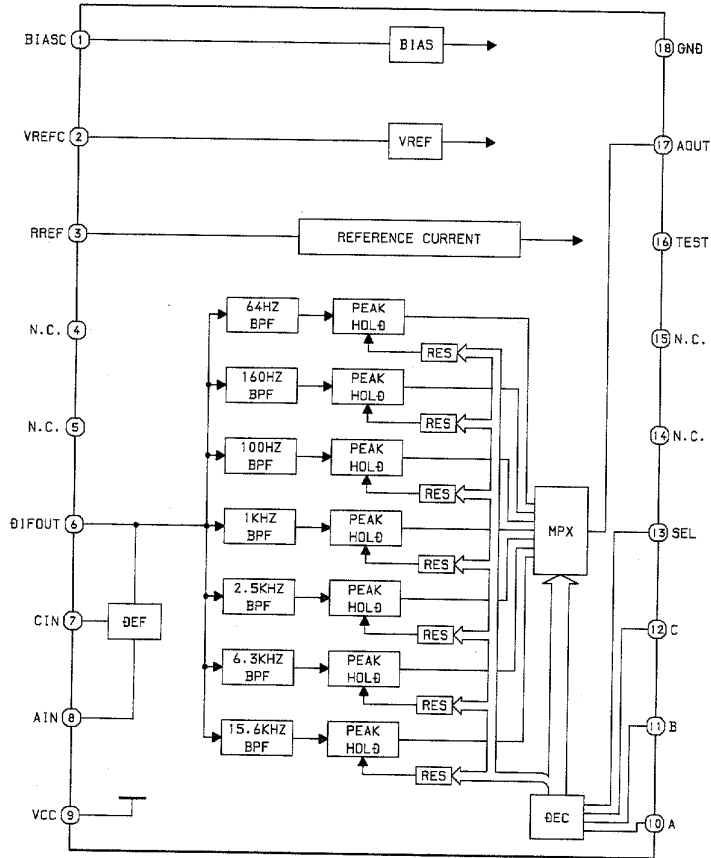


TRUTH TABLE

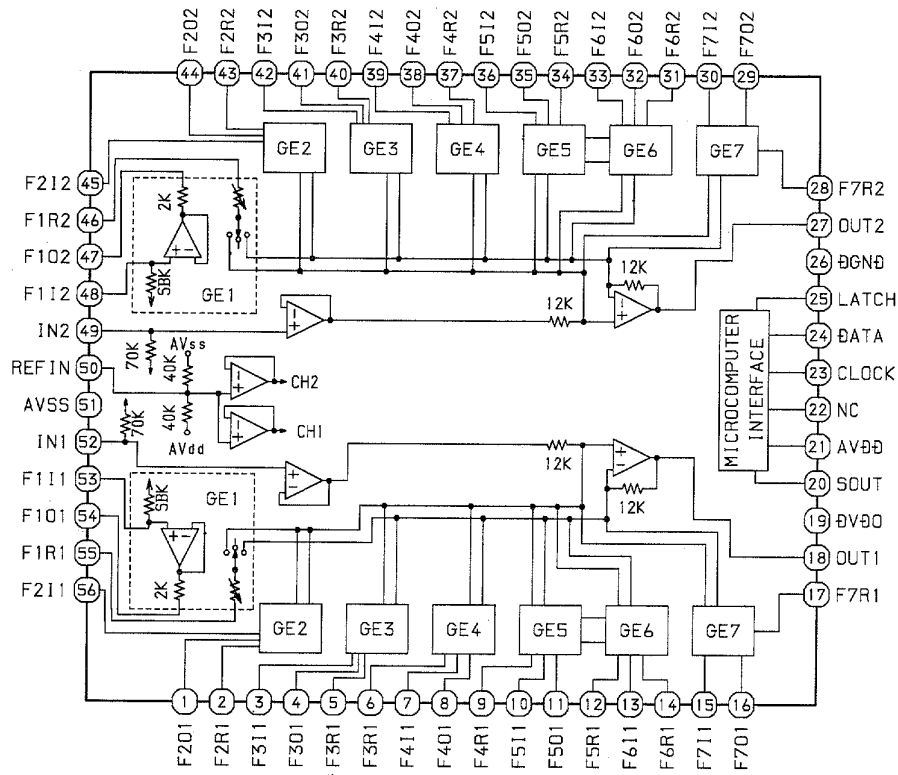
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
	L	X	X	Z	Z	Q7	NO Chg.
	L	X	X	Z	Z	No Chg.	Qs
	H	L	X	No Chg.	No Chg.	Q7	No Chg.
	H	H	L	L	Qn-1	Q7	No Chg.
	H	H	H	H	Qn-1	Q7	No Chg.
	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance
X=Don't Care

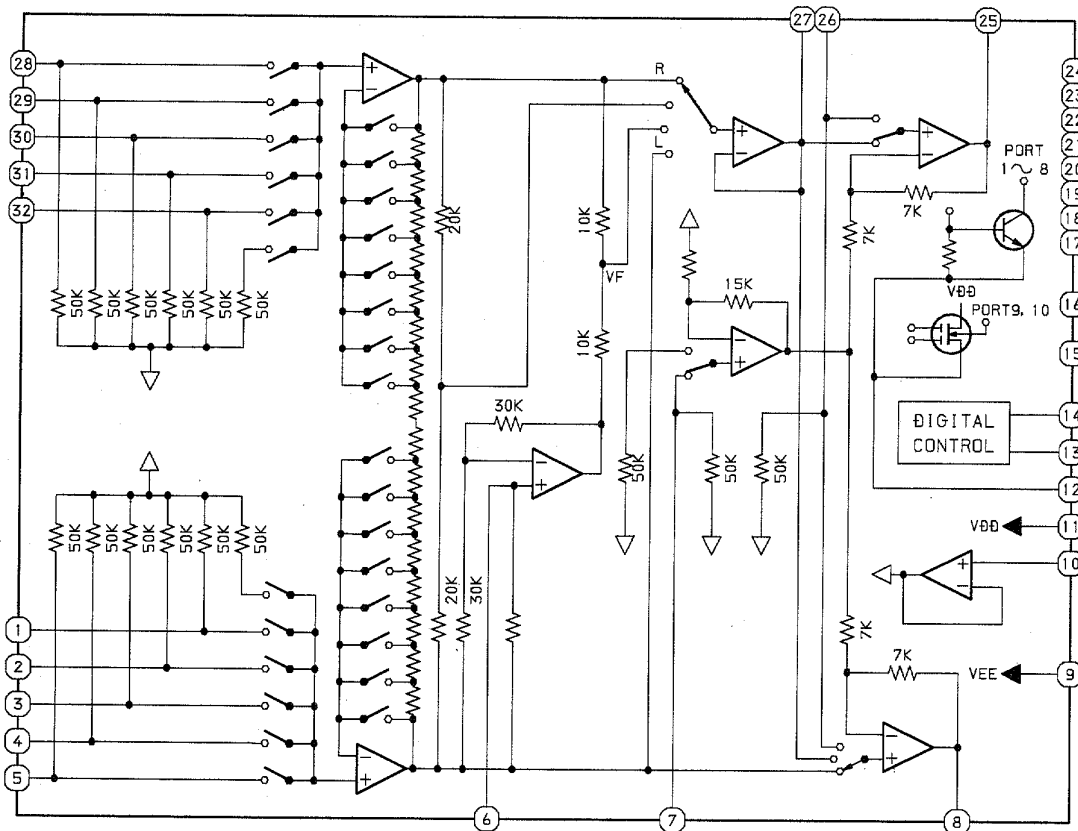
IC, BA3834S



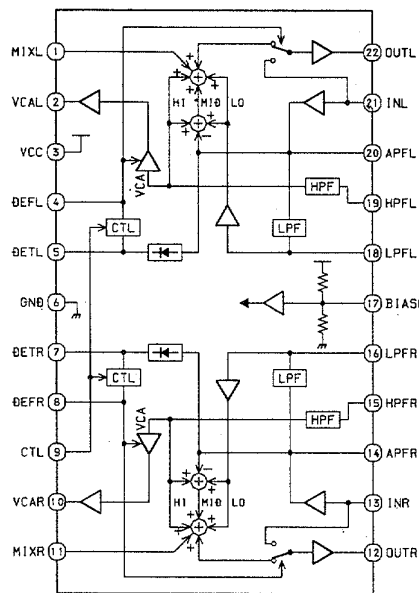
IC, M62431FP



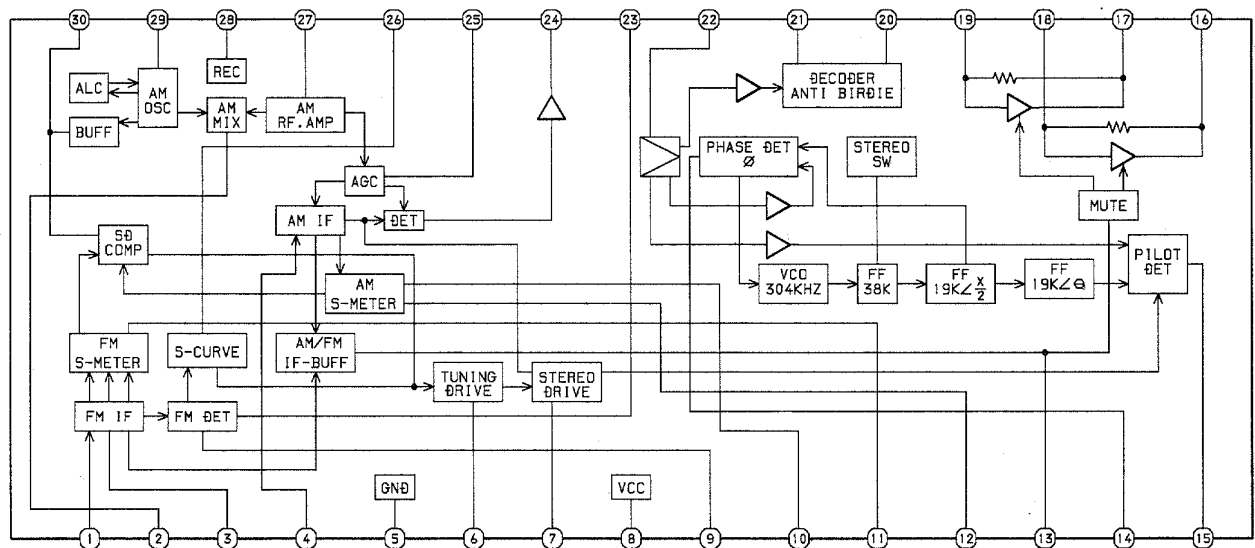
IC, BH3810FS



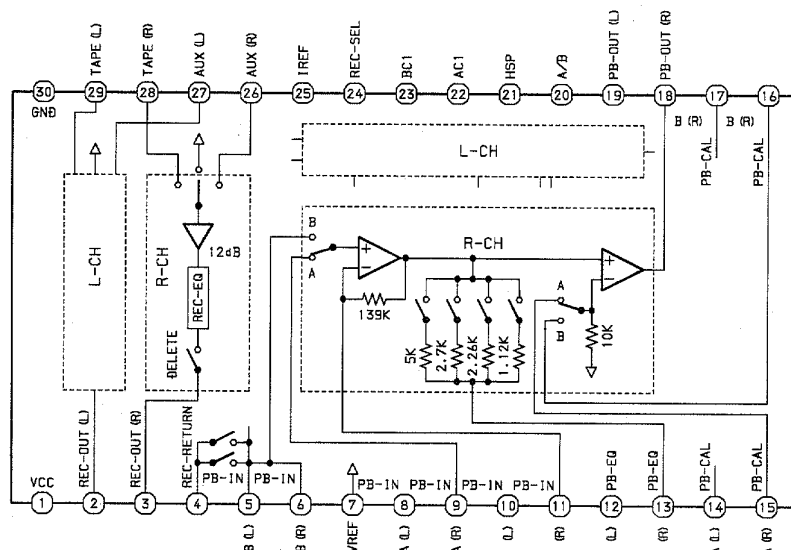
IC, BA3880S



IC, LA1837



IC, HA1211NT



IC DESCRIPTION

IC, LC866556W-5E74

Pin No.	Pin Name	I/O	Description
1	RT-A	I	Rotary encoder input (electric volume).
2	RT-B	I	Rotary encoder input (electric volume).
3	RT-C	I	Rotary encoder input (multi jog switch).
4	XLT (CD)	O	XLT (CD) output.
5	CLK (CD)	O	CLOCK (CD) output.
6	O-GE LATCH	O	G.E data latch strobe output.
7	O-PRO CE	O	Pro logic chip enable.
8	LED CE	O	LED shift resistor chip enable.
9	O-POWER	O	Power on signal output.
10	O-MUTE	O	System mute output.
11	RT-D	I	Rotary encoder input (multi jog switch).
12	RESET	I	Reset input.
13	I-HP-MUTE	I	Headphone switch data input.
14	I-MIC	I	Microphone input for auto vocal fader display .
15	VSS1	-	GND.
16	CF1	I	5.76 MHz oscillator circuit.
17	CF2	O	5.76 MHz oscillator circuit.
18	VDD1	-	Power supply input.
19	HOLD	I	Power failure detected input "L" to stop lock & maintain memory.
20	KEY 1 ~ 3	I	Key input 1 ~ 3 (A/D).
23	I-CDSW	I	CD mechanical switch A/D converter input.
24	I-DI-SENS	I	CD turntable photo sensor A/D converter input.
25	I-TU-SIG/MS	I	Tuner signal input & deck music sensor signal input.
26	I-SPEANA	I	A/D input for spectrum analyzer display.
27	I-SENS	I	CD sens input.
28	I-TM BASE	I	Reference clock input for timer watch.
29	I-RMC	I	System remote control signal input.
30 ~ 37	G1 ~ G8	O	FL grid output G1 ~ G8.
38 ~ 41	S1 ~ S4	O	FL segment output S1 ~ S4.
42 ~ 44	G9 ~ G11	O	FL grid output G9 ~ G11.
45	S5	O	FL segment output S5.
46	VDD3	-	Power supply input.
47 ~ 50	S6 ~ S9	O	FL segment output S6 ~ S9.
51	-VFL	-	Power supply input for FL display.
52 ~ 60	S10 ~ S18	O	FL segment output S10 ~ S18.
61	S19/O-SPEANA C	I/O	FL segment output S19 / SPEANA band changing C output.
62	S20/O-SPEANA B	I/O	FL segment output S20 / SPAENA band changing B output.
63	S21/O-SPEANA A	I/O	FL segment output S21 / SPEANA band changing A output.
64	S22/CST-1	I/O	FL segment output S22 / DECK1 cassette detect switch data input.
65	S23/AUTO1	I/O	FL segment output S23 / DECK1 auto stop signal input.
66	S24/CAM1	I/O	FL segment output S24 / DECK1 cam switch data input.
67	S25/CAM2	I/O	FL segment output S25 / DECK2 cam switch data input.

Pin No.	Pin Name	I/O	Description
68	S26/AUTO2	I/O	FL segment output S26 / DECK2 auto stop signal input.
69	S27/CST2	I/O	FL segment output S27 / DECK2 cassette detect switch data input.
70	S28/REA	I/O	FL segment output S28 / DECK2 side-A record ok switch data input.
71	S29/REB	I/O	FL segment output S29 / DECK2 side-B record ok switch data input.
72	VDD4	-	Power supply input.
73	S30/PRO LOGIC	I/O	FL segment output S30 / Pro logic diode data input to diode.
74	S31/D-TG	I/O	FL segment output S31 / Tracking gain +2dB up switch.
75	S32/SEL1	I/O	FL segment output S32 / Tuner model select mode data1 input to diode.
76	S33/SEL2	I/O	FL segment output S33 / Tuner model select mode data2 input to diode.
77	S34/SEL3	I/O	FL segment output S34 / Tuner model select mode data3 input to diode.
78	S35/C-ATG	I/O	FL segment output S35 / Switch of cancel auto tracking gain.
79	S36/C-ATB	I/O	FL segment output S36 / Switch of cancel auto tracking balance.
80	S37/C-FB	I/O	FL segment output S37 / Switch of adjust focus bias center.
81	S38/+3dB	I/O	FL segment output S38 / Switch of increase +3dB for E-VR.
82	S39	O	FL segment output S39
83	S40	O	FL segment output S40.
84	K-SCAN	O	Switch scan timing output.
85	O-OPEN	O	CD tray open data output.
86	O-CLOSE	O	CD tray close data output.
87	O-DI/R	O	CD turntable reverse rotation output.
88	O-DI/F	O	CD turntable forward rotation output.
89	VSS2	-	GND.
90	VDD2	-	Power supply input.
91	O-MOTOR	O	Deck motor output.
92	O-SOL2	O	DECK2 solenoid output (DECK2).
93	O-SOL1	O	DECK1 solenoid output (DECK1).
94	O-M/STB	O	Main shift register data latch strobe output.
95	O-M/DATA	O	Main shift register, PLL / DSP / E-VR / GE / FUNC / PRO LOGIC related data output.
96	O-M/CLK	O	Main shift register, PLL / DSP / E-VR / GE / FUNC / PRO LOGIC related clock.
97	O-PLL-CE	O	PLL IC chip enable.
98	I-TUNER IFC/ I-SUBQ DATA	I	Tuner \overline{SD} detected input. IF count serial data input / CD.SUBQ input.
99	I-STEREO/ O-SUBQ CLK	I/O	Tuner stereo detected input / SUBQ clock (CD) output.
100	I-RDS-DATA/ DATA (CD)	I/O	RDS data input (TUNER) / Data CD output.

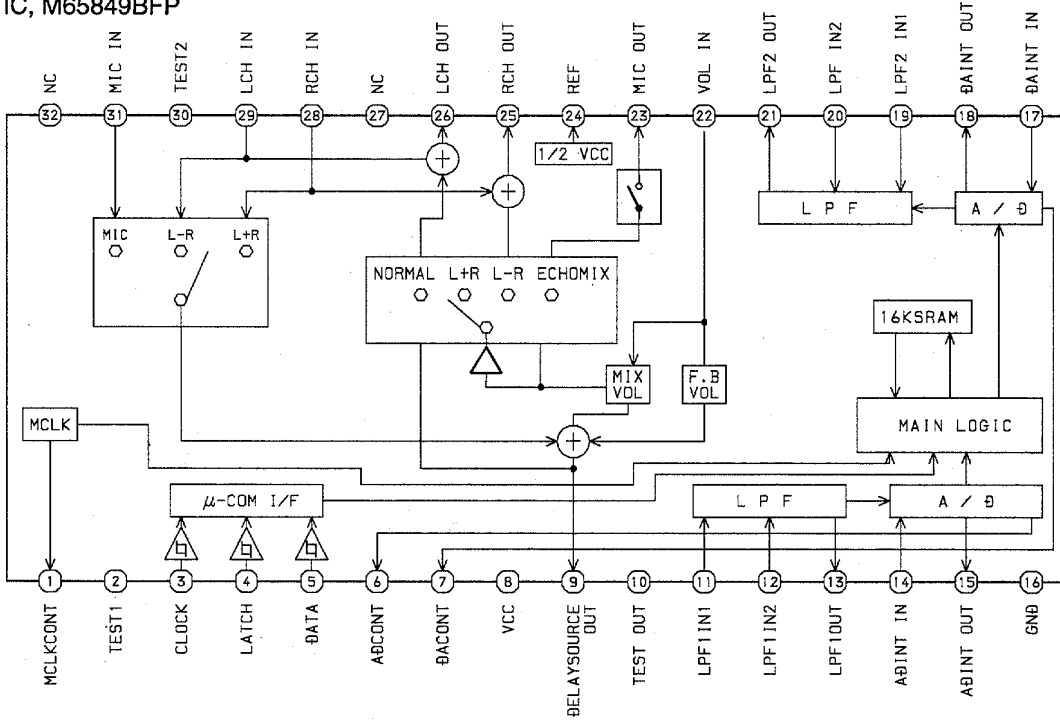
Pin No.	Pin Name	I/O	Description																								
1	XIN	I/O	A crystal oscillator (7.2MHz) is connected between these pins.																								
22	XOUT																										
2	NC	-	Not used.																								
3	CE	I	To enable the IC. Active "H".																								
4	DI	I	Digital data input from CPU (LC866556W-5E74) when relevant key is operated. Active "H".																								
5	CLK	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC866556W-5E74).																								
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 border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">2 BAND</th> <th colspan="3">3 BAND</th> <th colspan="3">3 BAND</th> </tr> <tr> <th>AM</th> <th>FM</th> <th>LW</th> <th>MW</th> <th>FM</th> <th>MW</th> <th>SW</th> <th>FM</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">2 BAND</th> <th colspan="3">3 BAND</th> <th colspan="3">3 BAND</th> </tr> <tr> <th>AM</th> <th>FM</th> <th>LW</th> <th>MW</th> <th>FM</th> <th>MW</th> <th>SW</th> <th>FM</th> </tr> </thead> <tbody> <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> </tbody> </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.																								

Pin No.	Pin Name	I/O	Description
1	LLI	I	L channel BPF in.
2	LBPF	O	L channel BPF feed back out.
3	RLI	I	R channel BPF in.
4	RBPF	O	R channel BPF feed back out.
5	LT	O	L channel selector #1 out.
6	RT	O	R channel selector #1 out.
7	LIN	I	L channel signal input.
8	RIN	I	R channel signal input.
9	HOLDC	I	Auto input balance control.
10	VCC	-	Power supply.
11~13	NGC 3~1	I	Noise sequencer control.
14	VDD	-	Power supply.
15	DATA	I	Serial data input.
16	SCK	I	Serial clock input.
17	REQ	I	Serial request (strobe) input.
18	IDS	I	ID select sw.
19	AUX1	O	AUX1 output (serial data change parallel output).
20	AUX2	O	AUX2 output (serial data change parallel output).
21	VSS	-	GND.
22	LOUT	O	L channel signal output.
23	ROUT	O	R channel signal output.
24	CT	O	Center channel output (before trimmer).
25	CTI	I	Center channel trimmer input.
26	CTC	O	Center channel trimmer coupling capacitor out.
27	COUT	O	Center channel trimmer output.
28	ST	O	Surround channel output (before trimmer).
29	STI	I	Surround channel trimmer input.
30	STC	O	Surround channel trimmer coupling capacitor out.
31	SOUT	O	Surround channel trimmer output.
32	SMRI	I	Surround channel amp (front L,R mix) input.
33	SMRO	O	Surround channel amp (front L,R mix) output.
34	CMC	O	Center mode control.
35	SD	O	Selector #2 output (to surround channel delay).
36	SIMB	I	Selector #2 input B (L-R).
37	SIMA	I	Selector #2 input A (L+R).
38	L+R	O	L+R channel output.
39	L-R	O	L-R channel output.
40	GND	-	Ground.
41	VREF	I	VREF in.
42	VREFG	O	Vref out.
43	IREF	I	Iref in.

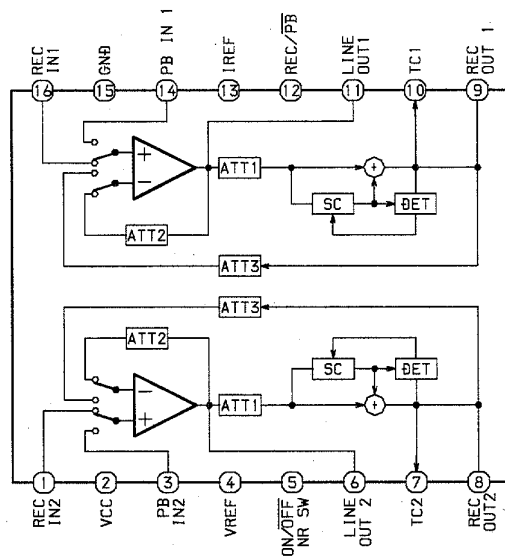
44	DBIN	I	To modify B NR decoder input.
45	LPIN	I	From surround channel delay input.
46~48	DBC 1~3	I	Dolby B NR control 1~3.
49	NC	-	Not used.
50~55	PSC 1~6	I	Dual time constant and threshold switches control.
56~63	RLC 1~8	I	Full wave rectifier and log difference amp control.
64	NC	-	Not used.

IC BLOCK DIAGRAM - 2

IC, M65849BFP

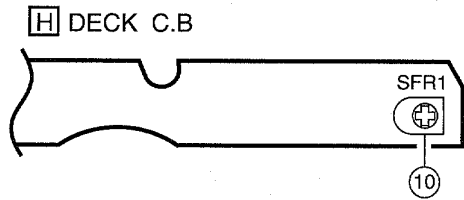
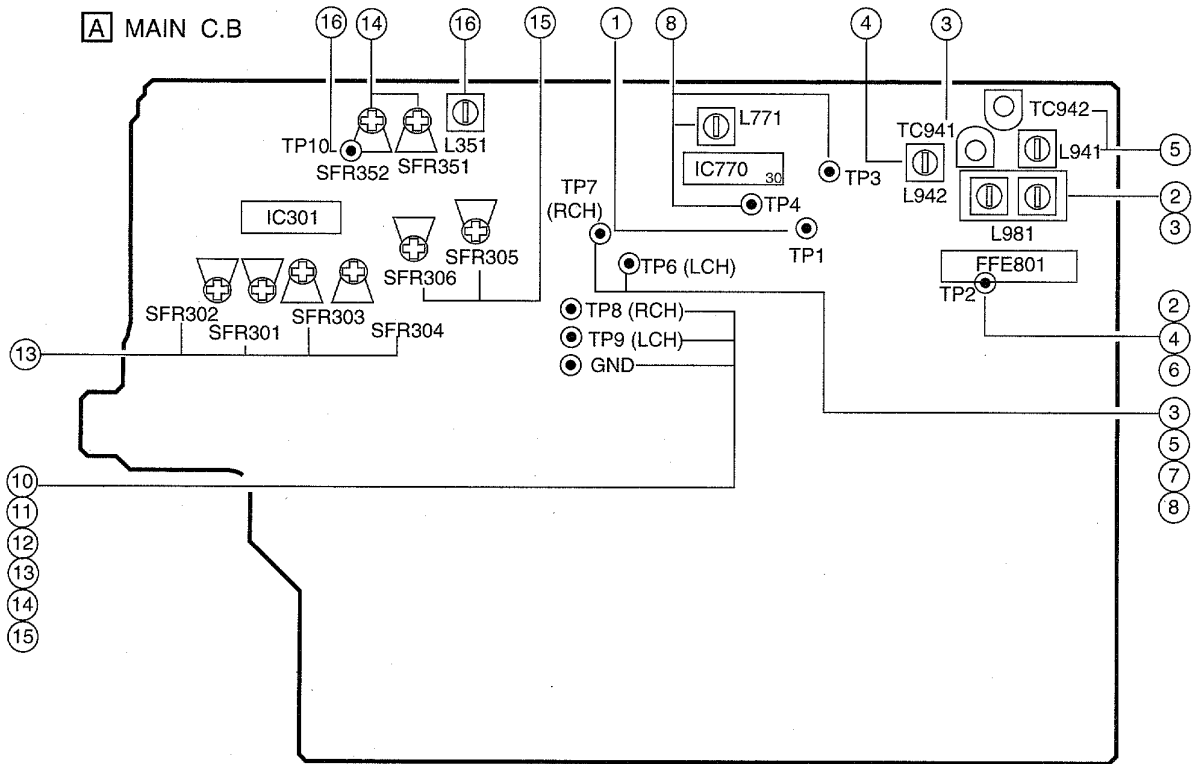


IC, CXA1553P

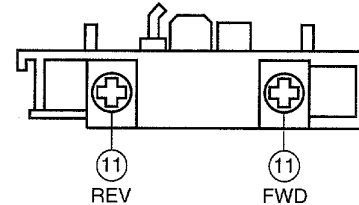


ATT:Attenuator
SC:Side Chain
DET:Detector

ADJUSTMENT <TUNER / DECK>



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 2160kHz \pm 45Hz.
2. MW VT Adjustment
 Settings : • Test point : TP2 (VT)
 • Adjustment location : L981
 Method : Set to MW 1710kHz and adjust L981 so that the test point is 8.5V \pm 0.05V. Then set to MW 530kHz and check that the test point is more than 0.3V.
3. MW Tracking Adjustment
 Settings : • Test point : TP6, TP7
 • Adjustment location :
 L981 600kHz
 TC941 1400kHz
 Method : Set up TC941 to center before adjustment, the level at 600kHz is adjust to maximum by L981. Then the level at 1400kHz is adjust to maximum by TC941.
4. SW VT Adjustment
 Settings : • Test point : TP2 (VT)
 • Adjustment location : L942
 Method : Set to SW 17.9MHz and adjust L942 so that the test point is 7.0V \pm 0.05V.
5. SW Tracking Adjustment
 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 adjust to maximum by L941. Then the level at 17.9MHz is adjust to maximum by TC942.
6. FM VT Check
 Settings : • Test point : TP2 (VT)
 Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 1.5V (87.5MHz) and less than 8.5V (108.0MHz).

7. FM Tracking Check
Settings : • Test point : TP6(Lch), TP7(Rch)
Method : • Set to FM 98.0MHz and check that the test point is $2\text{dB} \pm 6\text{dB}$

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

9. Auto Stop Level Check

MW

Settings : • Input level : Variable
Method : Check the auto stop at MW 999kHz and the input level is $50\text{dB} + 10/ - 15\text{dB}$.

FM

Settings : • Input level : Variable
Method : Check the auto stop at FM 98.0MHz and the input level is $25\text{dB} \pm 10\text{dB}$.

SW

Settings : • Input level : Variable
Method : Check the auto stop at SW 12.0MHz and the input level is less than 60dB.

< DECK SECTION >

10. 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 $\pm 5\text{Hz}$.

11. Head Azimuth Adjustment (DECK1, DECK2)

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.

12. 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 $0 \pm 2\text{dB}$. Lch and Rch difference level of 10kHz is less than 2.0dB.

13. 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.

14. 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 170mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes $0\text{dB} \pm 0.5\text{dB}$ with respect to that of the 1kHz signal.

15. 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 17mV. Record and play back the 1kHz signals and check that the output is $17\text{mV} \pm 0.5\text{dB}$.

16. 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 $85\text{kHz} \pm 1\text{kHz}$.

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 : More than 64dB (STEREO)
More than 65dB (MONO)
[at 98.0MHz]
Distortion : Less than 1.3% (MONO)
Less than 2.0% (STEREO)
[at 98.0MHz]
Auto stop level : 25dB \pm 10dB [at 98.0MHz]
Stereo separation : More than 25dB [at 98.0MHz]
Intermediate frequency : 10.7MHz

<AM(MW) SECTION>

Sensitivity : 55dB \pm 5dB
(S/N 20 dB) [at 603kHz]
53dB +5/-7dB
[at 999 / 1404kHz]
Signal to noise ratio : More than 36dB
[at 999kHz]
Distortion : Less than 1.5%
[at 999kHz]
Auto stop level : 50dB +10/-15dB
[at 999kHz]
Intermediate frequency : 450kHz

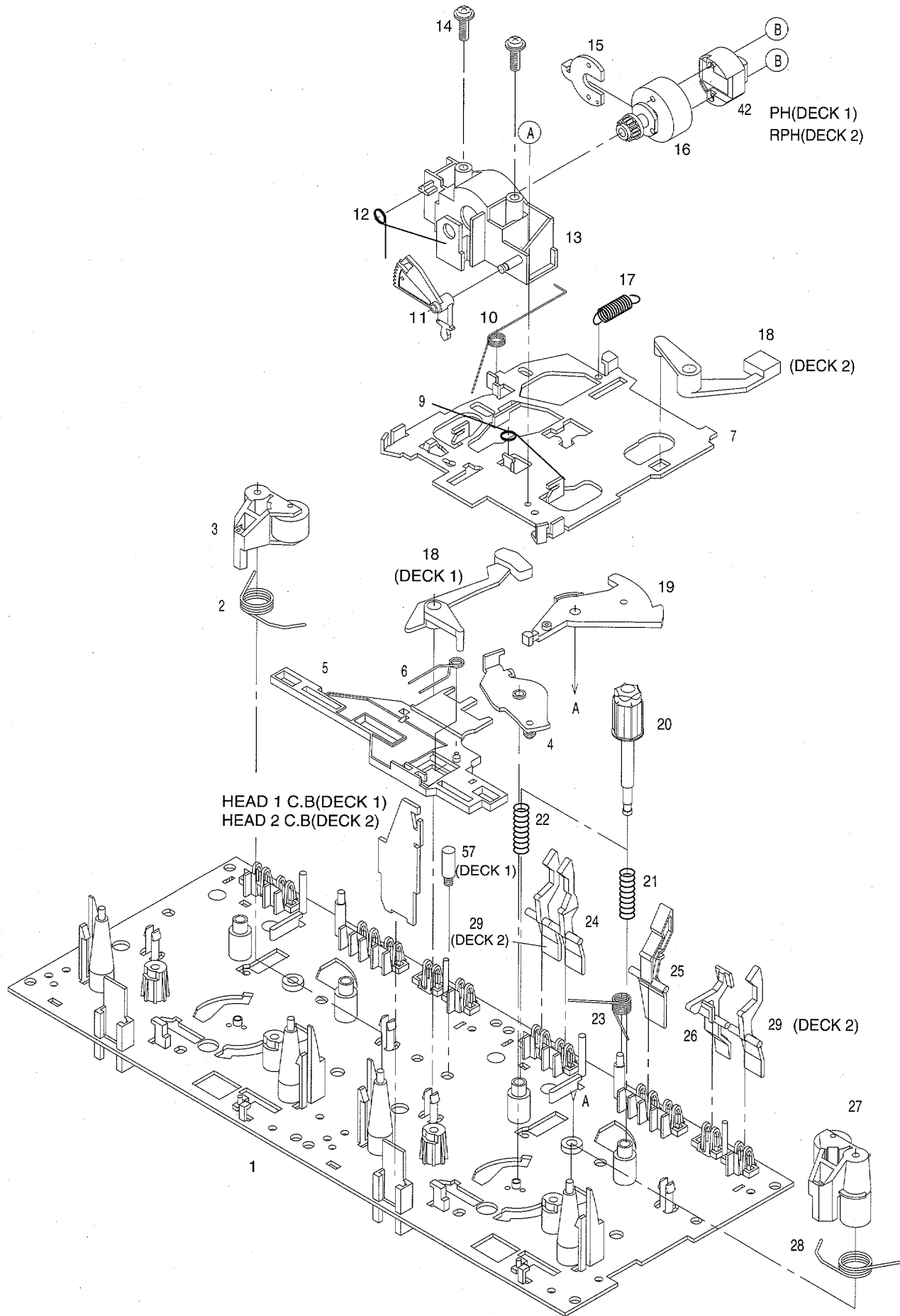
<AM(SW) SECTION>

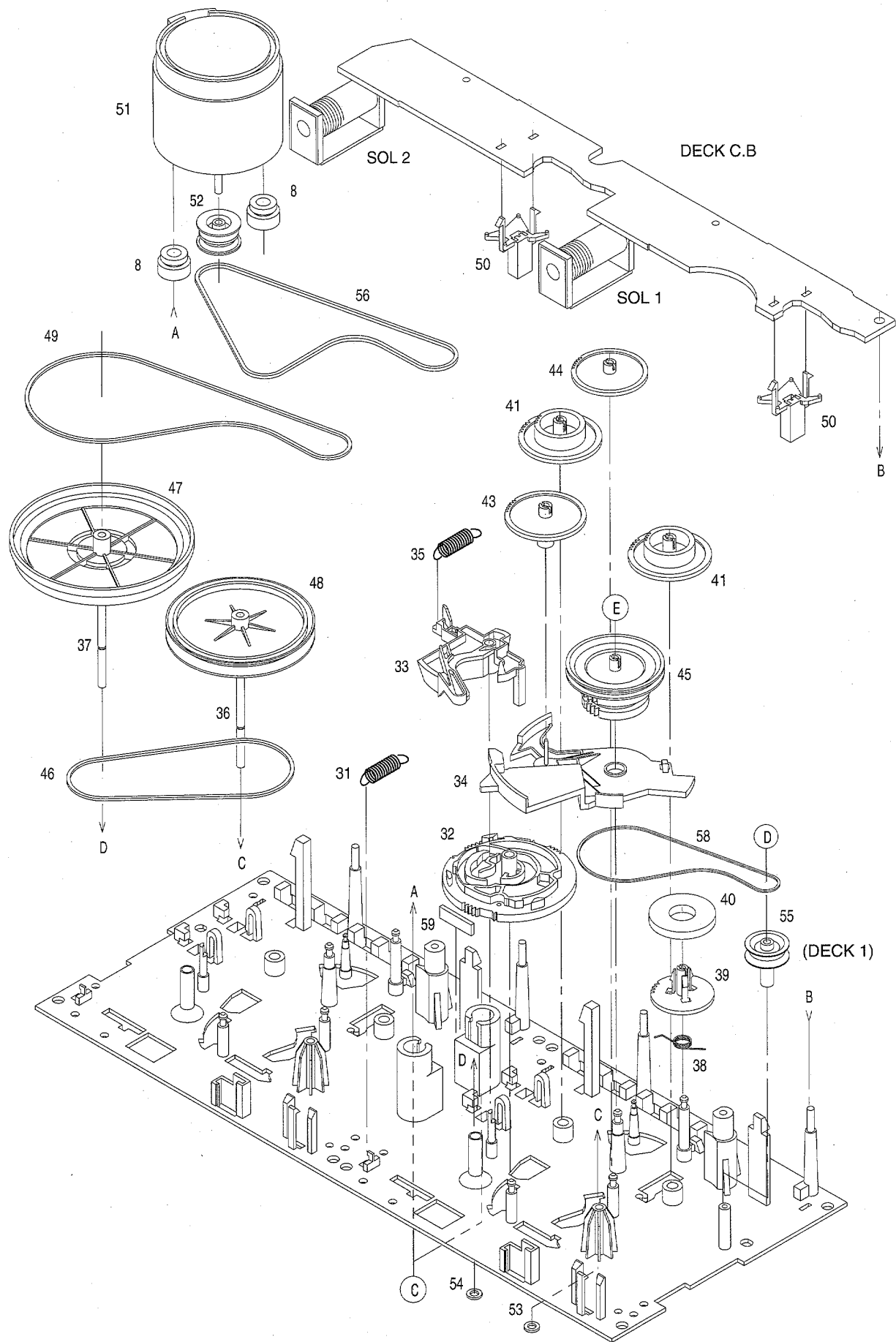
Sensitivity : 38dB \pm 5dB
(S/N 20 dB) [at 5.9MHz]
34dB \pm 5dB
[at 12.0MHz]
30dB \pm 8dB
[at 17.9MHz]
Signal to noise ratio : More than 36dB
[at 12.0MHz]
Distortion : Less than 1.5%
[at 12.0MHz]
Intermediate frequency : 450kHz

<DECK SECTION>

Tape speed : 3000Hz \pm 45Hz
Wow & flutter : Less than 0.15%
(W.R.M.S.)
Take-up torque : 45g-cm +10/-15g-cm
(FWD, REV)
F.F torque : 100g-cm +80/-25g-cm
REW torque : 100g-cm +30/-25g-cm
Back tension : 3g-cm +4/-1g-cm
(FWD, REV)
PB output level : 330mV \pm 1dB
(SP OUT 2V)
REC/PB output level : 150mV \pm 1dB
(SP OUT 2V)
Distortion (REC/PB) : Less than 2.0%
(NORM, CrO₂)
Noise level (PB) : Less than 2.0mV
(NORM, SP OUT 2V, DOLBY OFF)
Less than 1.2mV
(CrO₂, SP OUT 2V, DOLBY ON)
Noise level (REC/PB) : Less than 2.4mV
(DOLBY OFF, NORM, SP OUT 2V)
Less than 1.4mV
(DOLBY ON, CrO₂, SP OUT 2V)
Crosstalk : More than 60dB
(1kHz)
Channel separation : More than 35dB
(1kHz)
Erasing ratio : More than 60dB
(at 125Hz,+10VU)
Test tape : TTA-602 (NORMAL)
TTA-615 (CrO₂)

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".

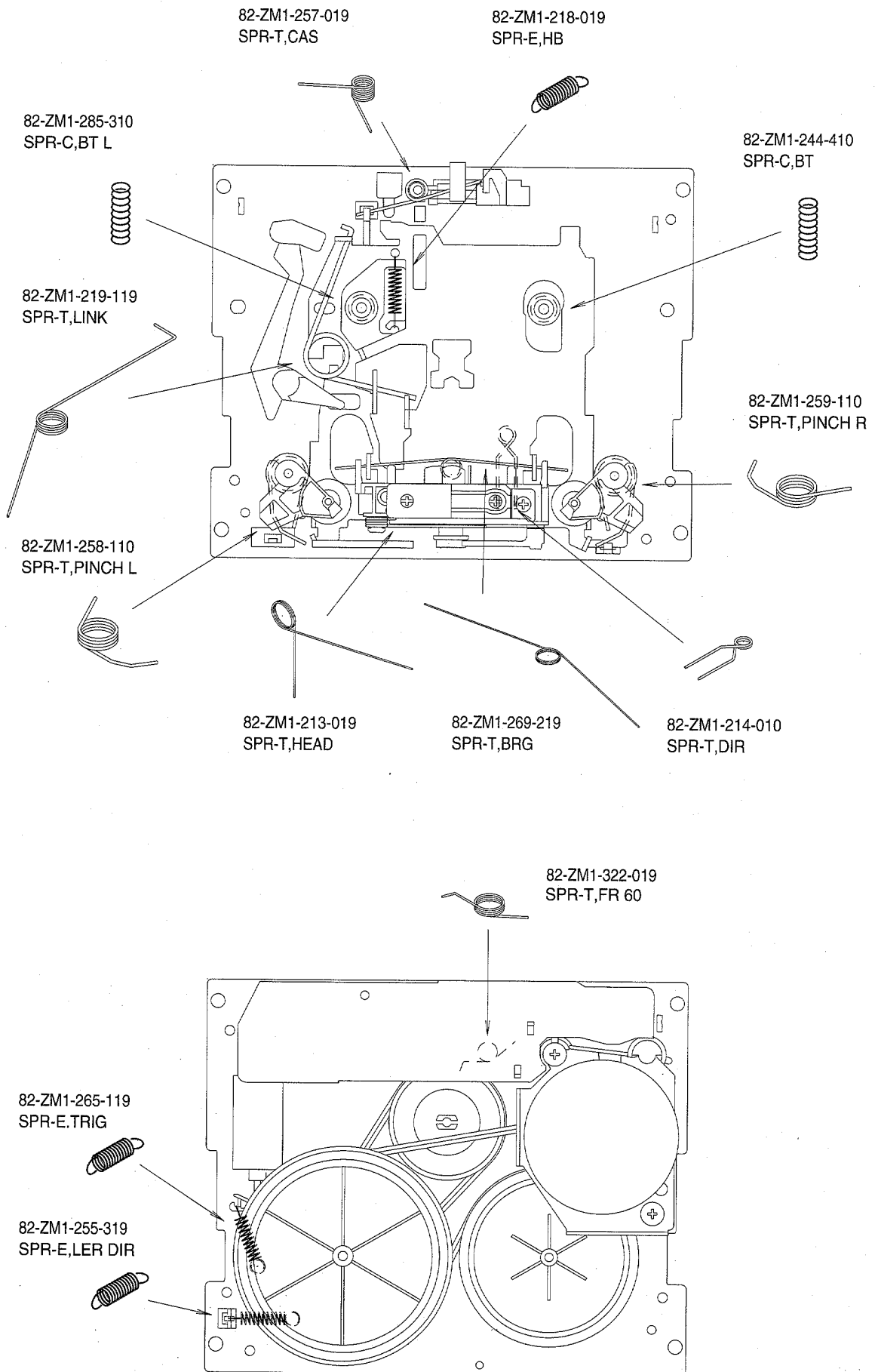
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY, M2	36	82-ZM1-236-019		CAPSTAN N 2-41.5
2	82-ZM1-258-110		SPR-T, PINCH L	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
3	82-ZM1-341-110		LVR ASSY, PINCH L2	38	82-ZM1-322-019		SPR-T, FR60
4	82-ZM1-333-010		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-SCREW 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	86-MA3-042-010		WINDOW, TOP	31	86-NF9-025-010		KEY, GEQ
2	86-NFW-014-010		CABI, STEEL	32	82-NE6-067-010		BADGE, AIWA 30N
3	87-084-077-010		NYLON RIVET, 3.5-4.5	33	86-NF9-037-010		KEY, GEQ OFF
4	86-NFW-002-110		PANEL, REAR HRJBNM	34	86-NF9-007-010		PANEL, FR
5	87-050-079-010		AC CORD ASSY, E BLK	35	86-NF9-042-010		KEY, ASSY POWER
6	87-085-185-010		BUSHING, AC CORD (E) CM22B	36	86-NH9-009-010		KEY, FUN
7	87-085-221-010		FOOT, H13.5	37	86-NF9-043-110		KEY, ASSY PLAY
8	82-NF5-228-010		SPR-C, LOCK	38	86-NH9-008-010		KEY, OPEN
9	82-NF5-229-010		PLATE, LOCK	39	86-NF9-039-110		KEY, REC
10	86-NFW-009-010		PANEL, TRAY ASSY	40	86-NH9-017-010		KEY, MEMORY
11	86-NF6-061-010		REFLECTOR, CASS	41	86-NFW-001-110		CABI, FR
12	86-NH9-004-010		BOX, CASS 2	42	81-532-080-010		LABEL, CASS. COMPT
13	82-NF5-219-010		SPR-T, EJECT 2 (SIN)	43	82-NF5-226-010		HLDL, LOCK 1N
14	86-NF9-014-010		WINDOW, CASS 2	44	82-NF5-227-010		HLDL, LOCK 2N
15	86-NF9-013-010		WINDOW, CASS 1	A	87-B10-090-010		BVIT3B+3-12 GOLD
16	82-NF5-218-010		SPR-T, EJECT 1 (SIN)	B	87-067-703-010		TAPPING SCREW, BVT2+3-10
17	86-NH9-003-010		BOX, CASS 1	C	87-741-094-410		UT2+3-6
18	86-NF9-038-010		KEY, DSP OFF	D	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
19	86-NF9-034-010		RING, FOOT	E	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
20	86-NT1-023-010		KNOB, RTRY MIC	F	87-067-975-010		S-SCREW, IT+4-8
21	87-063-165-010		OIL-DMPR 150	G	87-078-191-010		S-SCREW, IT+4-10
22	86-NF9-032-010		RING, VOL	H	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
23	86-NF9-026-010		KEY, DSP	I	87-067-581-010		BVT2+3-15 W/O SLOT
24	86-NH9-013-010		KNOB, RTRY JOG	J	87-723-096-410		QT2+3-10W/O SLOT BL
25	86-NH9-012-010		KNOB, RTRY VOL	K	87-067-579-010		TAPPING SCREW, BVT2+3-8
26	86-NFW-013-010		WINDOW, GEQ PRO	L	87-067-673-010		TAPPING SCREW, BUTT+3-8 (B)
27	86-NFW-004-010		KEY, PRO	M	87-721-097-410		QT2+3-12 GLD
28	86-NF9-008-010		PANEL, CONTROL	N	87-067-584-010		BVT2+3-6 W/O SLOT
29	86-NFW-003-010		WINDOW, DISPLAY PRO				
30	86-NF9-010-010		WINDOW, CD				

SPRING APPLICATION POSITION

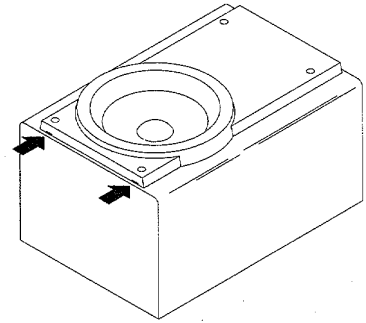


SPEAKER DISASSEMBLY INSTRUCTIONS

Type.1

矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットのビスを取り、スピーカーユニットを外してください。

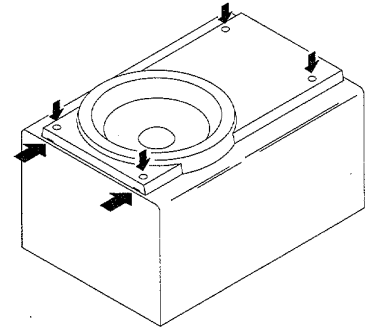
Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. remove the screws of each speaker unit and then remove the speaker units.



Type.2

グリルフレームを外し、4個のゴムキャップをマイナスドライバーで端の方から持ち上げて外すと中にビスが有りますので、ビスを取り外します。矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットのビスを取り、スピーカーユニットを外してください。

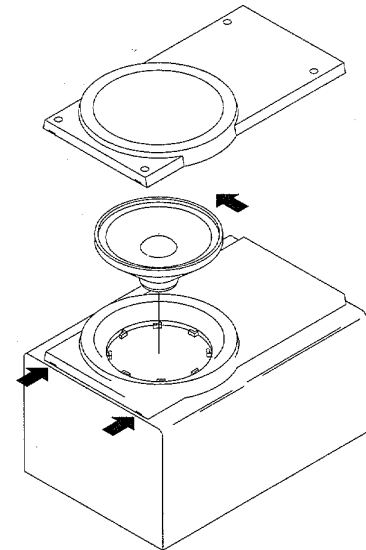
Remove the grill frame and four pieces fo rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



Type.3

矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットの凹にマイナスドライバーを差し込んで、反時計方向に回転させスピーカーユニットを外してください。スピーカーユニット交換後は時計方向にクリック音がするまで、回転させて取り付けます。

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



SPEAKER PARTS LIST SX-NAVF9 <YJ>

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-NSW-004-010		PANEL, BA	6	86-NSW-008-010		GRILLE, FRAME ASSY
2	86-NSW-017-010		PANEL, FR R ST	7	86-NSW-602-010		SPKR, W
3	86-NSW-018-010		PANEL, FR L ST	8	86-NSW-604-010		SPKR, TW
4	86-NSW-005-010		HLDR, TW	9	86-NSW-610-010		TERMINAL, ASSY
5	86-NSW-010-010		PROTECTOR, TW	10	83-096-614-010		SPEAKER CODE

SPEAKER PARTS LIST (SX-R270 <YS, YU>)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS1-004-019		GRILLE, FRAME ASSY
2	81-VSA-010-019		SPKR, CORD
3	85-NSX-601-019		SPKR, 100

SPEAKER PARTS LIST (SX-C600 <YU>)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS3-001-019		PANEL, FR ST
2	87-YS3-002-019		PANEL, REAR ST
3	87-YS3-003-019		GRILLE, FRAME ASSY
4	85-NSY-602-019		SPKR, 10
5	83-NSM-010-019		SPKR, CORD

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-NFW-902-010		IB, H(ECA)M
2	86-MAP-702-010		RC UNIT, 6AS02
3	87-A90-054-010		ANT, LOOP AM-CON C
4	87-043-115-010		ANT, FEEDER FM
5	87-043-095-010		WIRE ANTENNA
△	6 87-A90-312-010		PLUG, CONVERSION WTN-1157R1

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