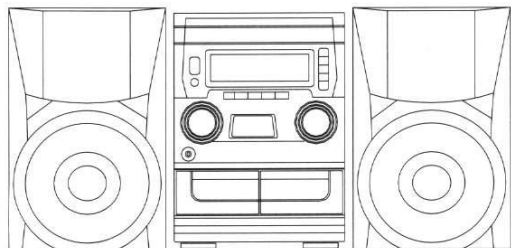


aiwa



NSX-A555 NSX-S555 NSX-S559



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : 6ZM-3 PR1NM/2ZM-3MK2 PR4N
- BASIC CD MECHANISM : 4ZG-1 Z3RDSHF/Z3RDSHM
- TYPE:U,LH,HA,HR

REVISION PUBLISHING

SYSTEM	TYPE	CD – CASSIVER	SPEAKER
NSX-A555	U	CX-NA555	SX-WNA555
NSX-S555	LH,HA,HR	CX-NS555	SX-WNS555
NSX-S559	LH	CX-SNS559	SX-WNS555

- This Service Manual is the “Revision Publishing” and replaces “Simple Manual” (S/M Code No. 09-998-401-7T4).
- If requiring information about the CD mechanism, see Service Manual of 4ZG-1 (S/M Code No. 09-983-249-3S2).

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SPECIFICATIONS

Main unit CX-NA555<U> / CX-NS555<LH,HA,HR> / CX-NS559<LH>

<FM Tuner section>

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

<MW Tuner section>

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

<SW Tuner section>

	<HR>
Tuning range	5.9 MHz to 17.9 MHz
Antenna	Wire Antenna

<Amplifier section>

	<U>
Mid-high frequency amplifier	
Power output	Rated 15W + 15W (200Hz ~ 20kHz, T.H.D. 1%,8ohms)
Total harmonic distortion	0.06%(10W,1kHz,8ohms,DIN AUDIO)

Low frequency amplifier

Power output	Rated 35W + 35W (50Hz ~ 200Hz, T.H.D. less than 1%,135Hz,4ohms)
Total harmonic distortion	0.06%(20W,135Hz,4ohms,DIN AUDIO)

<Amplifier section>

	<EXCEPT U>
Mid-high frequency amplifier	
Power output	Rated 10W + 10W (8ohms,T.H.D. 1%,1kHz) Reference:12W + 12W (6ohms, T.H.D. 10%,1kHz)
Total harmonic distortion	0.06%(8W,1kHz,8ohms,DIN AUDIO)

Low frequency amplifier

Power output	Rated 40W + 40W (4ohms,T.H.D. 1%,135Hz) Reference:50W + 50W (4ohms, T.H.D. 10%,135Hz)
Total harmonic distortion	0.06%(32W,135Hz,4ohms,DIN AUDIO)

Inputs

VIDEO / AUX: 300mV (adjustable)
Mic : 1.0mV (10k ohms) <EXCEPT U>

Outputs

SPEAKER HIGH FREQ :
8ohms or more
SPEAKER LOW FREQ :
4ohms or more
PHONES : 32ohms
<EXCEPT LH,HA>
SURROUND SPEAKERS :
8ohms to 16ohms

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 15000 Hz
Recording system	AC bias
Heads	Deck 1 : Playback head x 1 Deck 2 : Recording/playback/erase head x 1

<Compact disc player section>

Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1kHz,0dB)
Harmonic distortion	0.05% (1kHz,0dB)

<General>

	<U>
Power requirements	120V AC, 60Hz
Power consumption	120 W
Dimensions of main unit (W x H x D)	260 x 330 x 355 mm
Weight of main unit	7.8 kg

<General>

	<EXCEPT U>
Power requirements	120V/220 - 230V/240V AC switchable,50/60Hz
Power consumption	125 W<LH,HA> 135 W<HR>
Dimensions of main unit (W x H x D)	260 x 330 x 355 mm
Weight of main unit	8.5 kg

Speaker system SX-WNA555<U>/ SX-WNS555<EXCEPT U>

Cabinet type	2 way, subwoofer (magnetic shielded type)
Speakers	Subwoofer : 160 mm cone type Full range : 100 mm cone type
Impedance	4 ohms/8 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	240 x 324 x 275 mm
Weight	4.8 kg

• Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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

WARNING!!

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



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

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylit-tävälle 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

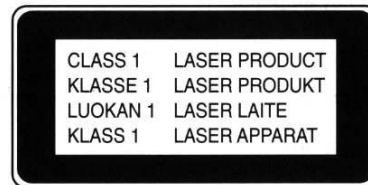
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.



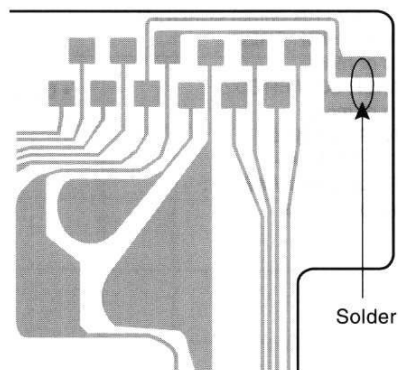
Precaution to replace Optical block

(KSS – 213F)

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

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

PICK-UP Assy P.C.B



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

- ① Remove the AC power cord.
- ② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
- ③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
- ④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
- ⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

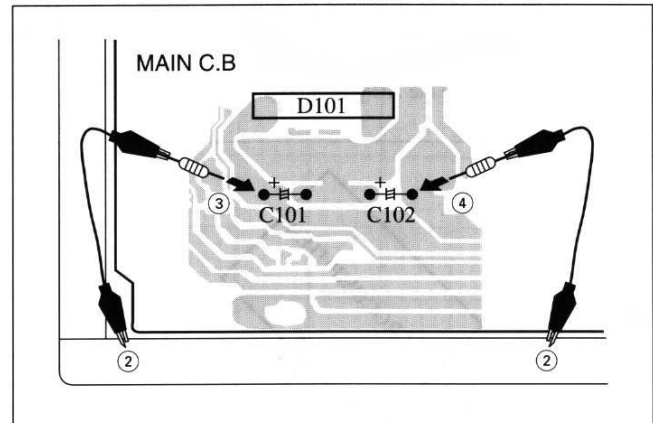


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

• Good or no good judgement of the MICROCOMPUTER

- ① Turn on the AC main power.
- ② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
- ③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

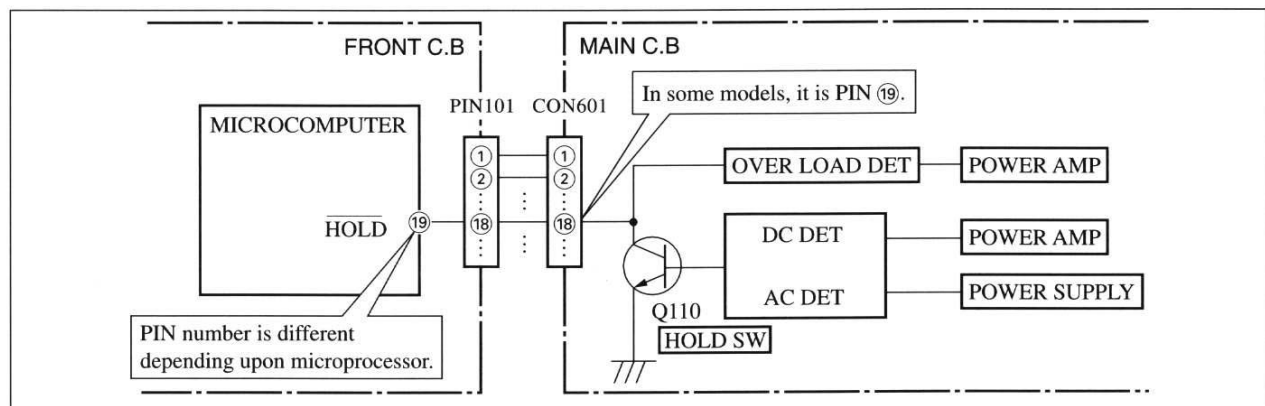


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.

When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

- ① Remove the AC power cord.

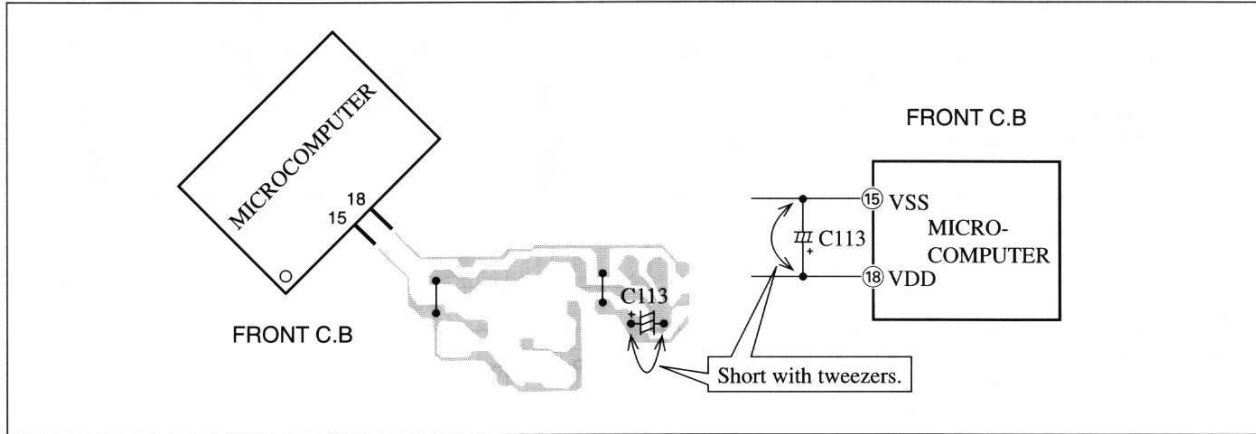


Fig-2-2

- ② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
- ③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

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	8Z-NF8-729-010		C-IC,UPD780228GF-050-3BA	C9	87-A10-520-000		CAP,E 3300-35 M SMG
	87-A21-031-040		C-IC,BU4551BF	C10	87-A10-520-000		CAP,E 3300-35 M SMG
	87-017-888-080		C-IC,NJM4558MD	C21	87-010-385-080		CAP, ELECT 220-25V
	87-A21-111-040		C-IC,M62495FP	C22	87-010-385-080		CAP, ELECT 220-25V
	87-A21-023-040		C-IC,BA3835F<U>	C23	87-010-247-080		CAP, ELECT 100-50V
	87-A21-265-040		C-IC,M62457FP<EXCEPT U>	C24	87-010-247-080		CAP, ELECT 100-50V
	87-A21-021-040		C-IC,BU2099FV	C25	87-010-430-080		CAP, ELECT 100-63V
	87-A20-951-010		IC,TSOP1838RF1	C26	87-010-263-080		CAP, ELECT 100-10V
	87-070-127-110		IC,LC72131 D	C27	87-010-197-080		C-CAP,S 0.01-25 K B C2012
	87-A20-913-010		IC,LA1837NL	C28	87-010-263-080		CAP, ELECT 100-10V<U>
	87-A21-362-040		C-IC,NJM2100M (TE2)<EXCEPT U>	C29	87-010-247-080		CAP, ELECT 100-50V
	87-017-726-080		C-IC,BU4052BCF<EXCEPT U>	C30	87-010-381-080		CAP, ELECT 330-16V
	87-020-454-010		IC,DN6851	C31	87-010-235-080		CAP, ELECT 470-16V
TRANSISTOR				C32	87-010-405-080		CAP, ELECT 10-50V
				C33	87-010-405-080		CAP, ELECT 10-50V
				C34	87-012-368-080		C-CAP,S 0.1-50 F
				C35	87-010-198-080		C-CAP,S 0.022-25 K B C2012
				C36	87-010-198-080		C-CAP,S 0.022-25 K B C2012
				C40	87-010-112-080		CAP, ELECT 100-16V
				C50	87-010-182-080		C-CAP,S 2200P-50 B
				C51	87-010-180-080		C-CER 1500P
				C61	87-010-260-080		CAP, ELECT 47-25V
				C62	87-010-403-080		CAP, ELECT 3.3-50V
				C101	87-010-178-080		C-CAP,S 1000P-50 K B
				C102	87-010-178-080		C-CAP,S 1000P-50 K B
				C103	87-010-405-080		CAP, ELECT 10-50V
				C104	87-010-405-080		CAP, ELECT 10-50V
				C107	87-010-408-080		CAP, ELECT 47-50V
				C108	87-010-408-080		CAP, ELECT 47-50V
				C109	87-010-322-080		C-CAP,S 100P-50 J CH
				C110	87-010-322-080		C-CAP,S 100P-50 J CH
				C111	87-010-260-080		CAP, ELECT 47-25V
				C112	87-010-260-080		CAP, ELECT 47-25V
				C113	87-A10-946-080		C-CAP,S 220P-100 J CH
				C114	87-A10-946-080		C-CAP,S 220P-100 J CH
				C117	87-010-400-080		CAP, ELECT 0.47-50V
				C118	87-010-400-080		CAP, ELECT 0.47-50V
				C121	87-010-178-080		C-CAP,S 1000P-50 K B
				C122	87-010-178-080		C-CAP,S 1000P-50 K B
				C125	87-012-368-080		C-CAP,S 0.1-50 F
				C126	87-012-368-080		C-CAP,S 0.1-50 F
				C127	87-012-368-080		C-CAP,S 0.1-50 F
				C128	87-012-368-080		C-CAP,S 0.1-50 F
				C129	87-010-191-080		C-CAP,S 0.015-50 F
				C130	87-010-191-080		C-CAP,S 0.015-50 F
DIODE				C131	87-010-197-080		C-CAP,S 0.01-25 K B C2012
				C132	87-010-197-080		C-CAP,S 0.01-25 K B C2012
				C133	87-010-197-080		C-CAP,S 0.01-25 K B C2012
				C203	87-010-177-080		C-CAP,S 820P-50 J SL C2012
				C204	87-010-177-080		C-CAP,S 820P-50 J SL C2012
				C209	87-010-403-080		CAP, ELECT 3.3-50V
				C210	87-010-403-080		CAP, ELECT 3.3-50V
				C211	87-010-181-080		C-CAP,S 1800P-50 K B C2012
				C212	87-010-181-080		C-CAP,S 1800P-50 K B C2012
				C213	87-010-403-080		CAP, ELECT 3.3-50V
				C214	87-010-403-080		CAP, ELECT 3.3-50V
				C215	87-010-322-080		C-CAP,S 100P-50 J CH
				C216	87-010-322-080		C-CAP,S 100P-50 J CH
				C217	87-010-260-080		CAP, ELECT 47-25V
				C218	87-010-260-080		CAP, ELECT 47-25V
				C219	87-A10-946-080		C-CAP,S 220P-100 J CH
				C220	87-A10-946-080		C-CAP,S 220P-100 J CH
				C225	87-012-368-080		C-CAP,S 0.1-50 F
				C226	87-012-368-080		C-CAP,S 0.1-50 F
				C227	87-010-186-080		C-CAP,S 4700P-50 K B C2012
				C228	87-010-186-080		C-CAP,S 4700P-50 K B C2012
				C229	87-010-993-080		C-CAP,S 0.056-25 K B MK212
				C230	87-010-993-080		C-CAP,S 0.056-25 K B MK212
				C231	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
				C232	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
MAIN C.B							

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C233	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C610	87-010-213-080		C-CAP,S 0.015-50 B
C234	87-010-190-080		C-CAP,S 0.01-50 Z F C2012	C611	87-010-546-080		CAP, ELECT 0.33-50V
C235	87-016-285-080		CAP, ELECT 47-100V<EXCEPT LH>	C612	87-010-546-080		CAP, ELECT 0.33-50V
C236	87-016-285-080		CAP, ELECT 47-100V<EXCEPT LH>	C613	87-010-546-080		CAP, ELECT 0.33-50V
C237	87-010-322-080		C-CAP,S 100P-50 J CH<EXCEPT LH>	C614	87-010-546-080		CAP, ELECT 0.33-50V
C238	87-010-322-080		C-CAP,S 100P-50 J CH<EXCEPT LH>	C615	87-010-154-080		C-CAP,S 10P-50 D CH GRM
C239	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C616	87-010-385-080		CAP, ELECT 220-25V
C240	87-010-407-080		CAP, ELECT 33-50V	C617	87-010-385-080		CAP, ELECT 220-25V
C243	87-010-407-080		CAP, ELECT 33-50V	C631	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C301	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C632	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C302	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C669	87-010-322-080		C-CAP,S 100P-50 CH
C303	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C670	87-010-322-080		C-CAP,S 100P-50 CH
C304	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C677	87-010-197-080		C-CAP,S 0.01-25 K B
C305	87-010-198-080		C-CAP,S 0.022-25 K B C2012	C701	87-010-381-080		CAP, ELECT 330-16V
C307	87-010-263-080		CAP, ELECT 100-10V	C702	87-010-404-080		CAP, ELECT 4.7-50V
C308	87-010-263-080		CAP, ELECT 100-10V	C703	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C309	87-010-318-080		C-CAP,S 47P-50 J CH	C704	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C310	87-010-318-080		C-CAP,S 47P-50 J CH	C709	87-010-322-080		C-CAP,S 100P-50 CH
C311	87-010-598-080		C-CAP,S 0.068-16 K R GRM	C711	87-010-260-080		CAP, ELECT 47-25V
C312	87-010-598-080		C-CAP,S 0.068-16 K R GRM	C712	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C313	87-010-187-080		C-CAP,S 5600P-50 K B	C713	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C314	87-010-187-080		C-CAP,S 5600P-50 K B	C714	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C315	87-010-263-080		CAP, ELECT 100-10V	C721	87-010-312-080		C-CAP,S 15P-50 CH
C317	87-010-546-080		CAP, ELECT 0.33-50V	C722	87-010-312-080		C-CAP,S 15P-50 CH
C318	87-010-546-080		CAP, ELECT 0.33-50V	C723	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C326	87-010-198-080		C-CAP,S 0.022-25 K B C2012	C725	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C327	87-012-368-080		C-CAP,S 0.1-50 F	C727	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C360	87-010-401-080		CAP, ELECT 1-50V	C728	87-010-248-080		CAP, ELECT 220-10V
C399	87-012-140-080		C-CAP,S 470P-50 J CH	C751	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C401	87-010-544-080		CAP, ELECT 0.1-50V	C755	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C402	87-010-544-080		CAP, ELECT 0.1-50V	C756	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C403	87-010-321-080		C-CAP,S 82P-50 J CH	C757	87-010-318-080		C-CAP,S 47P-50 CH
C404	87-010-321-080		C-CAP,S 82P-50 J CH	C758	87-010-149-080		C-CAP,S 5P-50 CH
C405	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C759	87-012-156-080		C-CAP,S 220P-50 CH<EXCEPT HR>
C406	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C759	87-012-154-080		C-CAP,S 150P-50 CH<HR>
C407	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C760	87-012-156-080		C-CAP,S 220P-50 CH<EXCEPT HR>
C408	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C760	87-012-154-080		C-CAP,S 150P-50 CH<HR>
C409	87-010-182-080		C-CAP,S 2200P-50 B	C761	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C410	87-010-182-080		C-CAP,S 2200P-50 B	C762	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C411	87-010-405-080		CAP, ELECT 10-50V	C763	87-010-194-080		C-CAP,S 0.047-25 Z F
C412	87-010-405-080		CAP, ELECT 10-50V	C764	87-010-319-080		C-CAP,S 56P-50 CH
C451	87-010-198-080		C-CAP,S 0.022-25 K B GRM	C765	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C452	87-010-382-080		CAP, ELECT 22-25V	C766	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C453	87-010-183-080		C-CAP,S 2700P-50 K B GRM	C767	87-010-405-080		CAP, ELECT 10-50V
C454	87-010-183-080		C-CAP,S 2700P-50 K B GRM	C768	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C455	87-010-183-080		C-CAP,S 2700P-50 B	C769	87-010-408-080		CAP, ELECT 47-50V
C456	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C770	87-015-821-080		C-CAP 0.047
C458	87-010-178-080		C-CAP,S 1000P-50 K B C2012	C771	87-010-407-080		CAP, ELECT 33-50V
C459	87-010-175-080		C-CAP,S 560P-50 J SL	C772	87-010-194-080		C-CAP,S 0.047-25 Z F
C461	87-012-158-080		C-CAP,S 390P-50 CH	C773	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C462	87-012-158-080		C-CAP,S 390P-50 CH	C774	87-010-263-080		CAP, ELECT 100-10V
C501	87-010-401-080		CAP, ELECT 1-50V	C775	87-010-404-080		CAP, ELECT 4.7-50V
C502	87-010-401-080		CAP, ELECT 1-50V	C776	87-010-197-080		C-CAP,S 0.01-25 K B C2012<EXCEPT HR>
C505	87-A11-010-080		CAP,M 0.082-50J	C777	87-010-400-080		CAP, ELECT 0.47-50V
C506	87-A11-010-080		CAP,M 0.082-50J	C778	87-010-401-080		CAP, ELECT 1-50V
C507	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C779	87-010-401-080		CAP, ELECT 1-50V
C508	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C780	87-010-196-080		CAP,E 0.1-25 Z F C2012
C550	87-010-956-080		C-CAP,S 0.068-25 B<EXCEPT U>	C781	87-010-405-080		CAP, ELECT 10-50V
C551	87-010-220-080		C-CAP,S 0.018-25 B<EXCEPT U>	C782	87-010-405-080		CAP, ELECT 10-50V
C553	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<EXCEPT U>	C783	87-015-819-080		C-CAP, 0.01-50 K B C3216
C555	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<EXCEPT U>	C784	87-010-197-080		C-CAP, 0.01-25 K B C2012
C590	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<EXCEPT U>	C785	87-010-400-080		CAP, ELECT 0.47-50V
C591	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<EXCEPT U>	C786	87-010-400-080		CAP, ELECT 0.47-50V
C671	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<EXCEPT U>	C789	87-010-179-080		C-CAP,S 1200P-50 K B GRM
C672	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<EXCEPT U>	C790	87-010-179-080		C-CAP,S 1200P-50 K B GRM
C673	87-010-182-080		C-CAP,S 2200P-50 K B GRM<EXCEPT U>	C791	87-010-405-080		CAP, ELECT 10-50V
C678	87-010-197-080		C-CAP,S 0.01-25 K B C2012	C793	87-010-177-080		C-CAP,S 820P-50 SL
C605	87-010-179-080		C-CAP,S 1200P-50 K B GRM	C794	87-010-406-080		CAP, ELECT 22-50
C606	87-010-179-080		C-CAP,S 1200P-50 K B GRM	C795	87-010-596-080		CAP, S 0.047-16
C609	87-010-213-080		C-CAP,S 0.015-50 B	C796	87-010-403-080		CAP, ELECT 3.3-50V

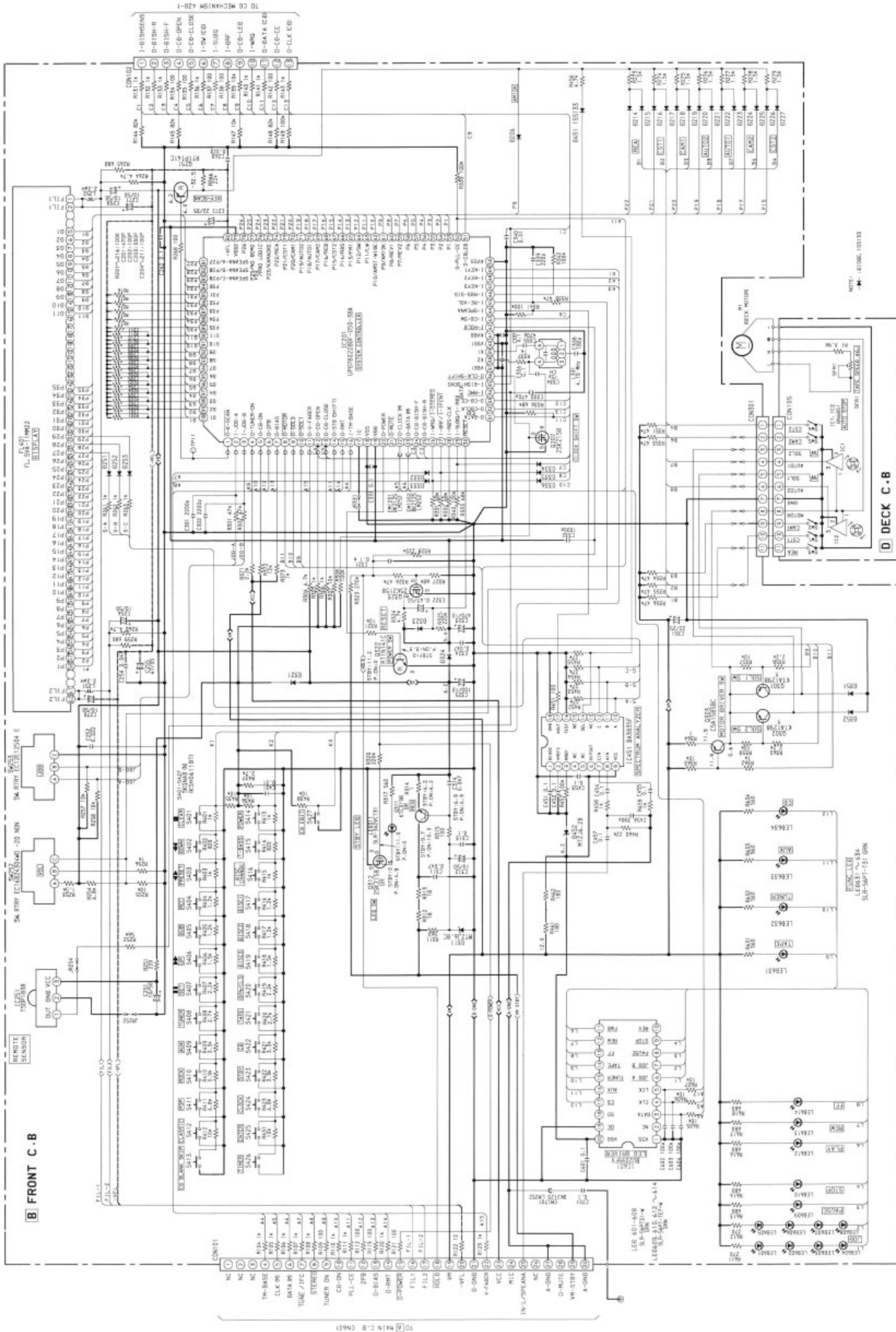
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C797	87-010-183-080		C-CAP,S 2700P-50 B<EXCEPT HR>	R232	87-A00-258-080		RES,M/F 0.22-1W J
C797	87-010-181-080		C-CAP,S 1800P-50 B<HR>	R233	87-A00-258-080		RES,M/F 0.22-1W J
C798	87-010-183-080		C-CAP,S 2700P-50 B<EXCEPT HR>	R234	87-A00-258-080		RES,M/F 0.22-1W J
C798	87-010-181-080		C-CAP,S 1800P-50 B<HR>	R265	87-A00-258-080		RES,M/F 0.22-1W J
C799	87-010-194-080		C-CAP,S 0.047-16 K R C2012	R266	87-A00-258-080		RES,M/F 0.22-1W J
C812	87-010-197-080		C-CAP,S 0.01-25 K B C2012	R392	87-012-349-080		C-CAP,S 1000P-50 J CH GRM
C814	87-010-197-080		C-CAP,S 0.01-25 K B C2012	SFR451	87-024-355-080		SFR,33K H EVN DJAA03
C820	87-010-408-080		CAP, ELECT 47-50V	SFR452	87-024-355-080		SFR,33K H EVN DJAA03
C821	87-010-197-080		C-CAP,S 0.01-25 K B C2012	TC941	87-011-220-080		TRIMMER,CER 20P 6.15X5.9 VCT51<HR>
C822	87-010-197-080		C-CAP,S 0.01-25 K B C2012	TC943	87-011-221-080		TRIMMER,CER 30P 6.15X5.9 VCT51<HR>
C823	87-010-197-080		C-CAP,S 0.01-25 K B C2012	WH1	87-A90-510-010		HLDR,WIRE 2.5-9P
C828	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C829	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	X771	87-030-354-010		VIB,CER 450.0KHZ BFU C<HR>
C940	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>				
C943	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>				
				FRONT C.B			
C945	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>				
C946	87-010-971-080		C-CAP,S 4700P-50 J B<HR>		88-913-301-110		FF-CABLE,13P 1.25
C947	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>		88-911-101-110		FF-CABLE,11P 1.25<U>
C952	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>		88-915-101-110		FF-CABLE,15P 1.25 100MM<EXCEPT U>
C953	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>	C201	87-012-140-080		C-CAP,S 470P-50 CH
				C202	87-010-322-080		C-CAP,S 100P-50 CH
C954	87-010-400-080		CAP, ELECT 0.47-50V<HR>				
C956	87-010-263-080		CAP, ELECT 100-10<HR>	C203	87-012-157-080		C-CAP,S 330P-50 CH
C959	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C204	87-010-322-080		C-CAP,S 100P-50 CH
C960	87-010-196-080		C-CAP,S 0.1-25 Z F<EXCEPT HR>	C205	87-010-322-080		C-CAP,S 100P-50 CH
C961	87-010-152-080		C-CAP,S 8P-50 CH<EXCEPT HR>	C206	87-010-322-080		C-CAP,S 100P-50 CH
				C207	87-010-322-080		C-CAP,S 100P-50 CH
C964	87-010-854-080		C-CAP,S 560P-50 CH<HR>				
C981	87-015-785-080		C-CAP, 0.1-25 Z F C3216	C208	87-010-322-080		C-CAP,S 100P-50 CH
CF801	87-008-261-010		FILTER,CF SFE10.7MA5	C209	87-010-322-080		C-CAP,S 100P-50 CH
CF802	87-008-261-010		FILTER,CF SFE10.7MA5	C210	87-010-322-080		C-CAP,S 100P-50 CH
CN301	87-A60-620-010		CONN,3P V 2MM JMT	C211	87-010-322-080		C-CAP,S 100P-50 CH
				C251	87-015-699-040		CAP,E 10-50 7L
CN351	87-A60-625-010		CONN,8P V 2MM JMT				
CN601	88-NF9-657-010		CONN,30P H BLK TYK-B(X)	C252	87-010-198-080		CAP, CHIP 0.022
CN602	87-A60-131-010		CONN,6P V FE	C254	87-010-194-080		CAP, CHIP 0.047
CNA1	8Z-NF8-669-110		CONN ASSY,9P VH	C255	87-A10-797-040		CAP,E 47-35 7L SR
D981	87-A40-618-080		VARI-CAP,SUC 348(S/T)<HR>	C256	87-015-699-040		CAP,E 10-50 7L
				C259	87-015-699-040		CAP,E 10-50 7L
FB602	87-008-372-080		FLTR,EMI BL0I RN1				
FFE801	A8-8ZA-191-030		8ZA-1 YFEUNM<U>	C260	87-010-198-080		CAP, CHIP 0.022
FFE801	A8-8ZA-190-030		8ZA-1 FEUNM<EXCEPT U>	C262	87-010-196-080		CHIP CAPACITOR,0.1-25
J201	87-A60-929-010		JACK,DIA6.3 BLK ST W/S TAI	C270	87-015-699-040		CAP,E 10-50 7L
J203	87-A60-238-010		TERMINAL,SP 4P (MSC)	C271	87-015-699-040		CAP,E 10-50 7L
				C272	87-015-690-040		CAP,E 22-35 7L
J204	87-A60-750-010		JACK,PIN 4P R/W BLUE<EXCEPT LH>				
J205	87-A60-751-010		JACK,PIN 2P R/W BLUE<LH>	C301	87-010-182-080		C-CAP,S 2200P-50 B
J602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN	C302	87-010-182-080		C-CAP,S 2200P-50 B
J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02	C311	87-010-194-080		CAP, CHIP 0.047
J940	81-754-629-010		CONNECTOR XH 2P (UL)<HR>	C312	87-010-405-040		CAP,E 10-50
				C313	87-010-196-080		CHIP CAPACITOR,0.1-25
L101	87-003-383-010		COIL,1UH K				
L102	87-003-383-010		COIL,1UH K	C314	87-010-194-080		CAP, CHIP 0.047
L201	87-003-383-010		COIL,1UH K	C321	87-010-196-080		CHIP CAPACITOR,0.1-25
L202	87-003-383-010		COIL,1UH K	C322	87-015-694-040		CAP,E 0.47-50 7L
L451	87-007-342-010		COIL,OSC 85KHZ BIAS	C323	87-016-459-040		CAP,E 470-10 SME
				C324	87-010-194-080		CAP, CHIP 0.047
L771	87-A50-266-010		COIL,FM DET-2N(TOK)				
L772	87-A91-110-010		FLTR,PCFAZH-450(TOK)<EXCEPT HR>	C325	87-010-263-040		CAP, ELECT 100-10V
L772	87-A90-052-010		FLTR,CFMT-450A(TOK)<HR>	C331	87-010-196-080		CHIP CAPACITOR,0.1-25
L781	87-005-847-080		COIL,2.2UH(CECS)	C332	87-010-178-080		CHIP CAP 1000P
L832	87-005-847-080		COIL,2.2UH(CECS)	C333	87-012-140-080		CAP 470P
				C334	87-010-312-080		C-CAP,S 15P-50 CH
L941	87-A50-022-010		COIL ANT SW (COI)7.96MHZ<HR>				
L942	87-A50-173-010		COIL OSC SW-N (COI)<HR>	C335	87-012-140-080		CAP 470P
L943	87-A50-522-080		COIL,1MH K CEC<HR>	C336	87-010-196-080		CHIP CAPACITOR,0.1-25
L944	87-A50-159-080		COIL,10MH K C2B<HR>	C337	87-010-196-080		CHIP CAPACITOR,0.1-25
L981	8Z-ZA1-650-010		COIL,AM PACK4C (TOK)<EXCEPT HR>	C338	87-012-155-080		C-CAP 180P-50CH
				C339	87-012-156-080		C-CAP,S 220P-50 CH
L982	87-A50-430-010		COIL,ANT MW (3BSW)<HR>				
L983	87-A50-431-010		COIL,OSC MW (3BSW)<HR>	C340	87-010-197-080		CAP, CHIP 0.01 DM
R20	87-A00-261-080		RES,M/F 0.56-1W J<U>	C351	87-010-382-040		CAP,E 22-25
R129	87-A00-257-080		RES,M/F 0.15-1W J	C401	87-010-197-080		CAP, CHIP 0.01 DM
R130	87-A00-257-080		RES,M/F 0.15-1W J	C451	87-010-196-080		CHIP CAPACITOR,0.1-25
				C452	87-010-196-080		CHIP CAPACITOR,0.1-25
R131	87-A00-257-080		RES,M/F 0.15-1W J				
R132	87-A00-257-080		RES,M/F 0.15-1W J	C453	87-010-196-080		CHIP CAPACITOR,0.1-25
R165	87-A00-257-080		RES,M/F 0.15-1W J	C454	87-010-196-080		CHIP CAPACITOR,0.1-25
R166	87-A00-257-080		RES,M/F 0.15-1W J	C455	87-010-196-080		CHIP CAPACITOR,0.1-25
R231	87-A00-258-080		RES,M/F 0.22-1W J	C456	87-012-158-080		C-CAP,S 390P-50 CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C457	87-010-196-080		CHIP CAPACITOR,0.1-25	SW424	87-A91-024-080		SW,TACT KSH0611BT
C502	87-010-186-080		CAP, CHIP 4700P<EXCEPT U>	SW425	87-A91-024-080		SW,TACT KSH0611BT
C503	87-010-112-040		CAP,E 100-16<EXCEPT U>	SW426	87-A91-024-080		SW,TACT KSH0611BT
C504	87-010-405-040		CAP,E 10-50<EXCEPT U>	SW427	87-A91-024-080		SW,TACT KSH0611BT
C505	87-010-545-040		CAP,E 0.22-50<EXCEPT U>	SW428	87-A91-024-080		SW,TACT KSH0611BT<EXCEPT U>
C506	87-010-320-080		C-CAP,S 68P-50 CH<EXCEPT U>	SW434	87-A91-024-080		SW,TACT KSH0611BT<EXCEPT U>
C507	87-010-544-040		CAP,E 0.1-50<EXCEPT U>	SW252	87-A90-535-010		SW,RTRY EC16B24304
C508	87-010-178-080		C-CAP,S 1000P-50 K<EXCEPT U>	SW253	87-A90-950-010		SW,RTRY EC12E12504 ENCORDER
C509	87-010-177-080		C-CAP,S 820P-50 J<EXCEPT U>	VR501	87-NB7-602-010		VR,RTRY 10KAX1<EXCEPT U>
C510	87-010-322-080		C-CAP,S 100P-50 CH				
C511	87-010-265-040		CAP,E 33-16	PT C.B			
C601	87-010-196-080		CHIP CAPACITOR,0.1-25				
C602	87-010-322-080		C-CAP,S 100P-50 CH	C1	87-010-387-080		CAP,E 470-25 SME
C603	87-010-322-080		C-CAP,S 100P-50 CH	C8	87-010-917-000		CAP,E 3300-50 M
C604	87-010-322-080		C-CAP,S 100P-50 CH	C9	87-010-917-000		CAP,E 3300-50 M
				C31	87-010-403-040		CAP,E 3.3-50 M
C701	87-010-196-080		CHIP CAPACITOR,0.1-25	CN1	87-A60-851-010		CONN,9P V VH
CON101	88-NF9-658-010		CONN,30P BLK TYK-B(P)				
CON102	87-099-015-010		CONN,13P 6216V	△ JW20	87-026-682-080		PROTECTOR,10A 491 SERIES 60V<EXCEPT U>
CON301	87-099-013-010		CONN,11P 6216 V<U>	△ JW21	87-026-682-080		PROTECTOR,10A 491 SERIES 60V<EXCEPT U>
CON301	87-099-017-010		CONN,15P 6216 V<EXCEPT U>	△ PR1	87-026-682-080		PROTECTOR,10A 491 SERIES 60V<EXCEPT U>
				△ PR2	87-026-682-080		PROTECTOR,10A 491 SERIES 60V<EXCEPT U>
EMI201	87-A50-322-080		C-COIL,S BK2125 LM252	△ PR3	87-A91-276-080		FUSE,125MA 125V F251<U>
EMI202	87-A50-322-080		C-COIL,S BK2125 LM252				
EMI701	87-A50-322-080		C-COIL,S BK2125 LM252	△ PT1	8Z-NF8-721-010		PT,ZNF-8L(U)<U>
FL401	8Z-NF8-616-010		FL,SVA-11MM22	△ PT1	8Z-NF8-723-010		PT,ZNF-8L(LH)<EXCEPT U>
J501	87-A60-651-010		JACK,3.5 MONO<EXCEPT U>	△ PT2	8Z-NF8-661-010		PT,SUB ZNF-8(U)<U>
				△ PT2	8Z-NF8-663-010		PT,SUB ZNF-8(H)<EXCEPT U>
L251	87-005-847-080		COIL,2.2UH K CECS	△ RY1	87-A91-339-010		RELAY,AC DC12V G5PA-2<EXCEPT U>
L252	87-005-847-080		COIL,2.2UH K CECS				
L331	87-A50-434-010		COIL,CLK 4.19M(TOKO)	△ RY2	87-A90-976-010		RELAY,AC12VSDT-S-112LMR<U>
LED311	87-A40-317-080		LED,SLR-342VCT31 RED	△ S1	87-A90-165-010		SW,SL 1-2-3 SWS2301<EXCEPT U>
LED601	87-A40-619-040		LED,SLR-56PT-T31-W GRN	△ T1	87-A60-317-010		TERMINAL, 1P MSC
				△ T2	87-A60-317-010		TERMINAL, 1P MSC
LED602	87-A40-619-040		LED,SLR-56PT-T31-W GRN				
LED603	87-A40-619-040		LED,SLR-56PT-T31-W GRN	DECK C.B			
LED604	87-A40-619-040		LED,SLR-56PT-T31-W GRN	CON105	87-099-753-080		CONN,11P H 9604<U>
LED605	87-A40-619-040		LED,SLR-56PT-T31-W GRN	CON105	87-099-756-019		CONN,15P 9604 S F<EXCEPT U>
LED606	87-A40-619-040		LED,SLR-56PT-T31-W GRN	CON301	86-ZM3-604-219		CON ASSY,3P-PB<U>
				CON351	86-ZM3-605-119		CON ASSY,8P-RPB<U>
LED607	87-A40-619-040		LED,SLR-56PT-T31-W GRN	SFR1	87-024-581-019		SFR,3.3K DIA 6H
LED608	87-A40-619-040		LED,SLR-56PT-T31-W GRN				
LED609	87-A40-619-080		LED,SLR-56PT-TE7-W GRN	SOL1	82-ZM1-618-410		SOL ASSY,27
LED610	87-A40-619-080		LED,SLR-56PT-TE7-W GRN	SOL2	82-ZM1-618-410		SOL ASSY,27
LED611	87-A40-619-080		LED,SLR-56PT-TE7-W GRN<EXCEPT U>	SW1	87-A90-248-019		SW,MICRO ESE11SH2CXQ
				SW2	87-A90-248-019		SW,MICRO ESE11SH2CXQ
LED612	87-A40-619-080		LED,SLR-56PT-TE7-W GRN	SW3	87-A90-248-019		SW,MICRO ESE11SH2CXQ
LED613	87-A40-619-080		LED,SLR-56PT-TE7-W GRN				
LED614	87-A40-619-080		LED,SLR-56PT-TE7-W GRN	SW4	87-A90-248-019		SW,MICRO ESE11SH2CXQ
LED631	87-A40-619-040		LED,SLR-56PT-T31-W GRN	SW4	87-036-110-019		SW,MICRO SPPB62<EXCEPT U>
LED632	87-A40-619-040		LED,SLR-56PT-T31-W GRN	SW5	87-A90-248-019		SW,MICRO ESE11SH2CXQ<U>
				SW5	87-036-110-019		SW,MICRO SPPB62<EXCEPT U>
LED633	87-A40-619-040		LED,SLR-56PT-T31-W GRN	SW6	87-036-110-019		SW,MICRO SPPB62<EXCEPT U>
LED634	87-A40-619-040		LED,SLR-56PT-T31-W GRN				
SW401	87-A91-024-080		SW,TACT KSH0611BT	SW8	87-A90-248-019		SW,MICRO ESE11SH2CXQ<EXCEPT U>
SW402	87-A91-024-080		SW,TACT KSH0611BT	SW9	87-A90-248-019		SW,MICRO ESE11SH2CXQ<EXCEPT U>
SW403	87-A91-024-080		SW,TACT KSH0611BT	W1	82-ZM3-601-019		RBN,CORD,4P-75
SW404	87-A91-024-080		SW,TACT KSH0611BT				
SW405	87-A91-024-080		SW,TACT KSH0611BT	HEAD-1 C.B<EXCEPT U>			
SW406	87-A91-024-080		SW,TACT KSH0611BT				
SW407	87-A91-024-080		SW,TACT KSH0611BT	85-ZM3-602-010		PWB,FLEX A	
SW408	87-A91-024-080		SW,TACT KSH0611BT				
SW409	87-A91-024-080		SW,TACT KSH0611BT	HEAD-2 C.B<EXCEPT U>			
SW410	87-A91-024-080		SW,TACT KSH0611BT				
SW411	87-A91-024-080		SW,TACT KSH0611BT	85-ZM3-602-010		PWB,FLEX A	
SW412	87-A91-024-080		SW,TACT KSH0611BT	CON351	87-NF6-616-010		CONN ASSY,8P-RPB
SW413	87-A91-024-080		SW,TACT KSH0611BT				
SW414	87-A91-024-080		SW,TACT KSH0611BT				
SW415	87-A91-024-080		SW,TACT KSH0611BT				
SW416	87-A91-024-080		SW,TACT KSH0611BT				
SW417	87-A91-024-080		SW,TACT KSH0611BT				
SW418	87-A91-024-080		SW,TACT KSH0611BT				
SW419	87-A91-024-080		SW,TACT KSH0611BT				
SW420	87-A91-024-080		SW,TACT KSH0611BT				
SW421	87-A91-024-080		SW,TACT KSH0611BT				
SW422	87-A91-024-080		SW,TACT KSH0611BT				
SW423	87-A91-024-080		SW,TACT KSH0611BT				

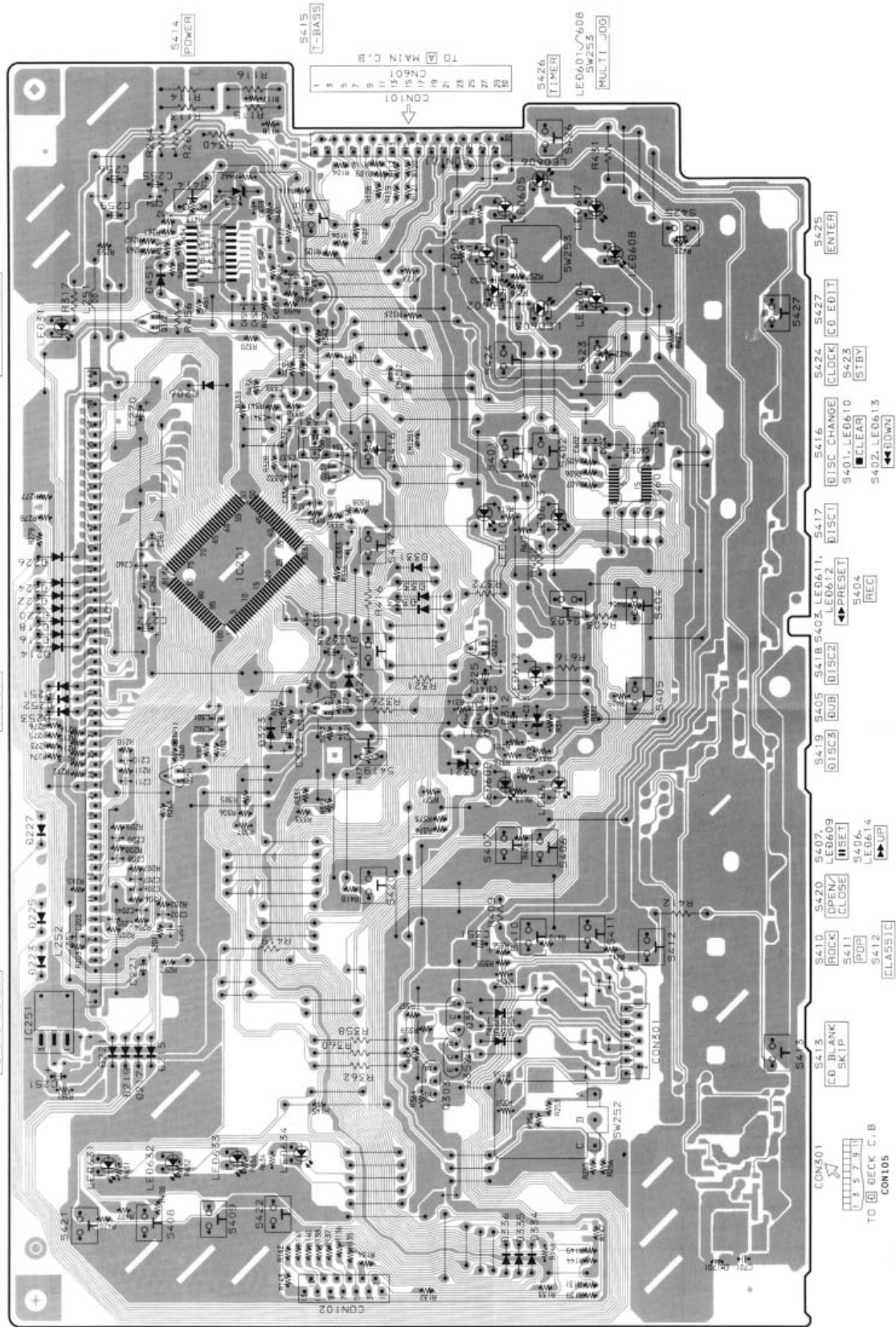


AMPLIFIER SECTION)





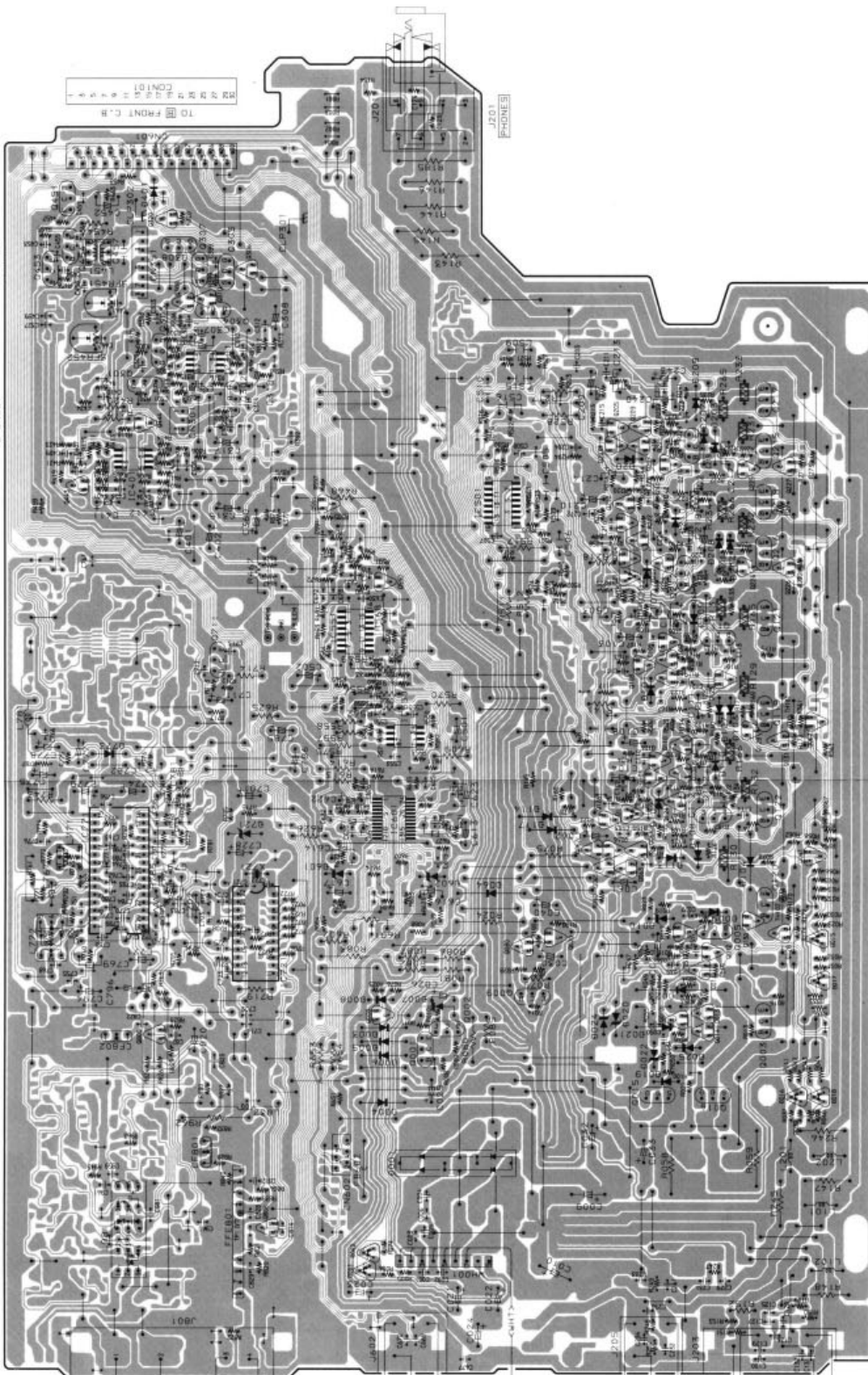
B FRONT C.B



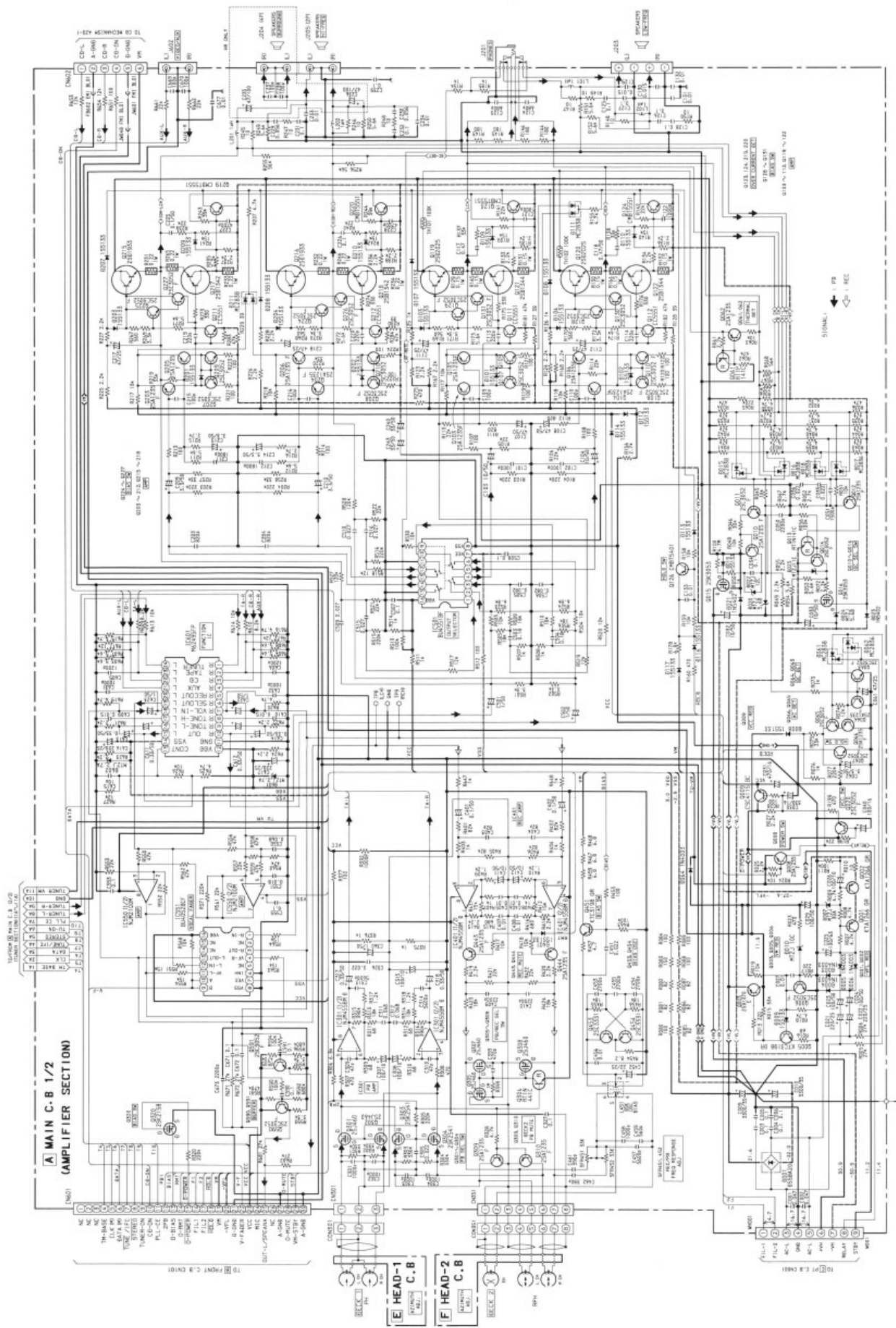
A MAIN C.B.

TO CB MECHANISM
(A20-1)
TO CN602

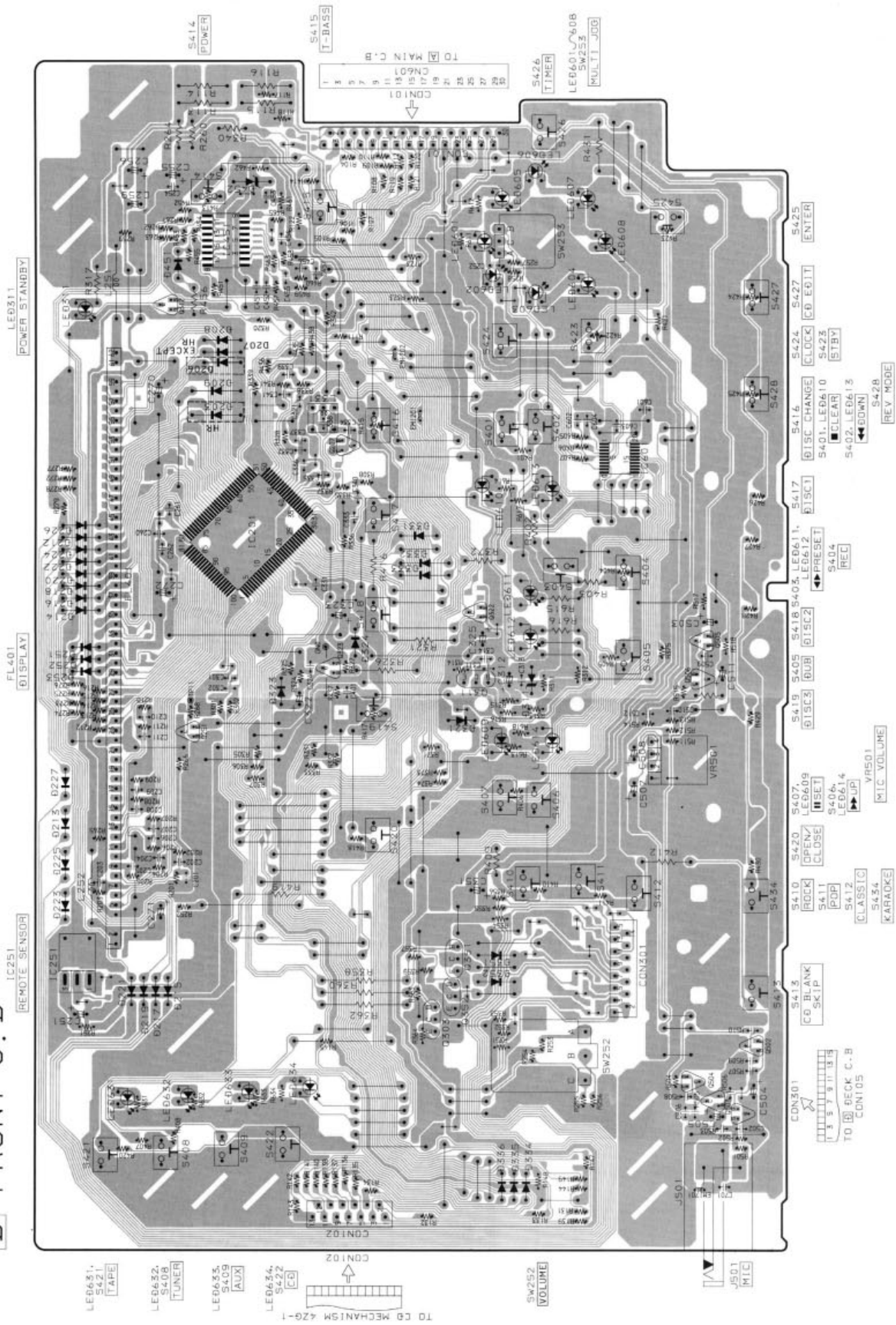
TAPE RECK MECHANISM
ZCH-SMK2 PLAN
FROM HEAD-1 C.B.
CON301 (3,3,1)
TO CN301
FROM HEAD-2 C.B.
(8,8,3,3,3,3) CON351
TO FRONT C.B.



SCHEMATIC DIAGRAM - 3 (MAIN : 555(LH, HA, HR), 559(LH))

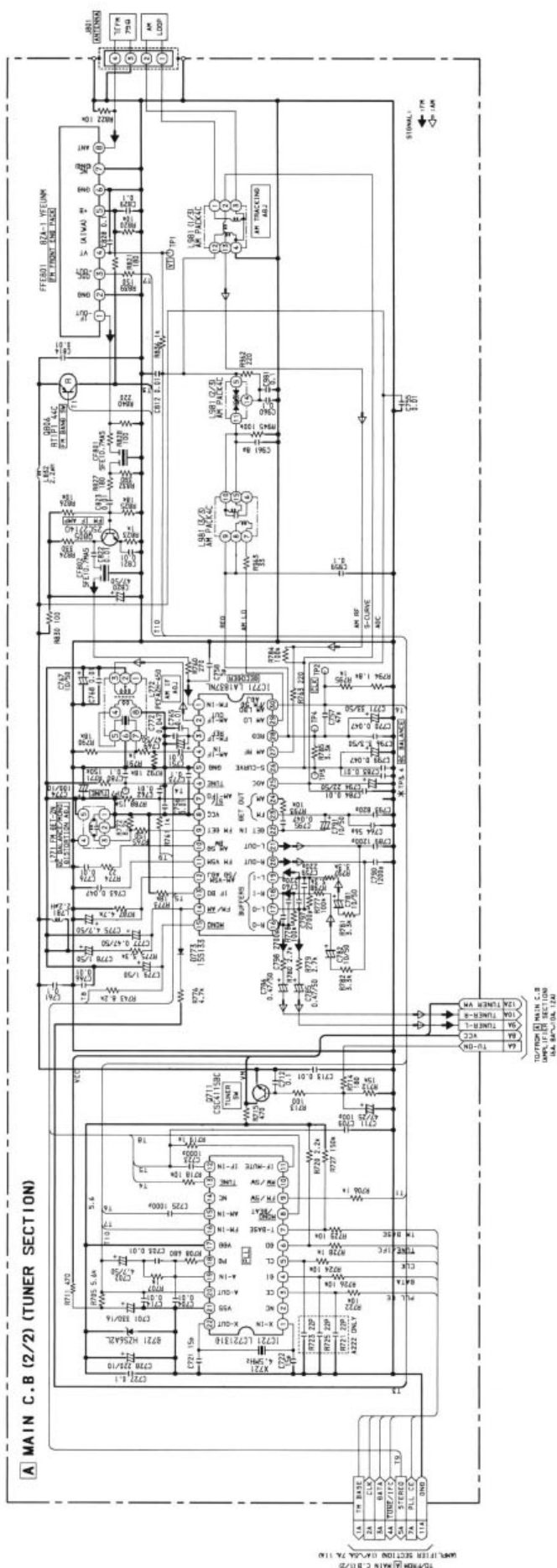


B FRONT C.B.



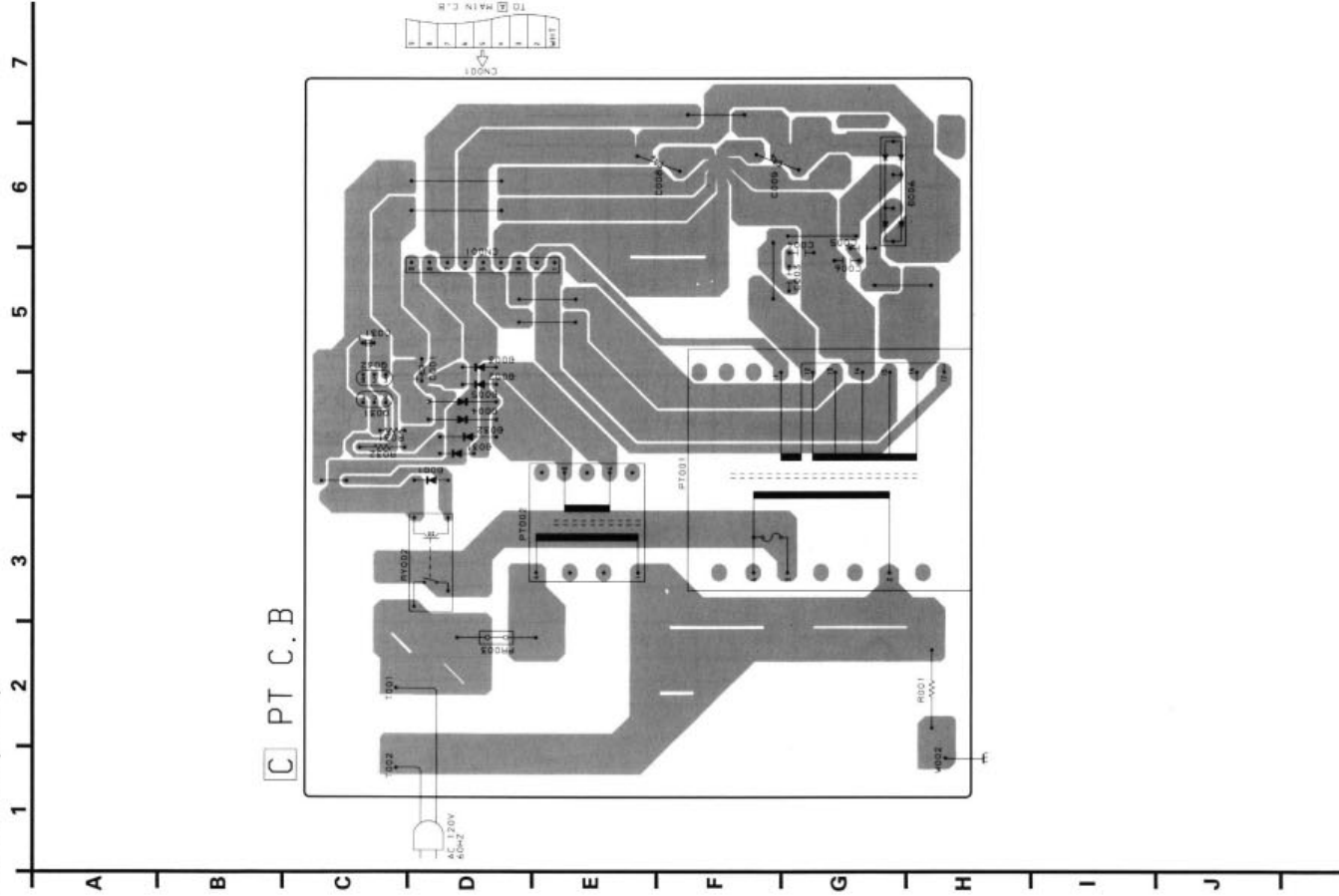


SCHEMATIC DIAGRAM - 5 (TUNER : 555(U, LH, HA), 559LH)

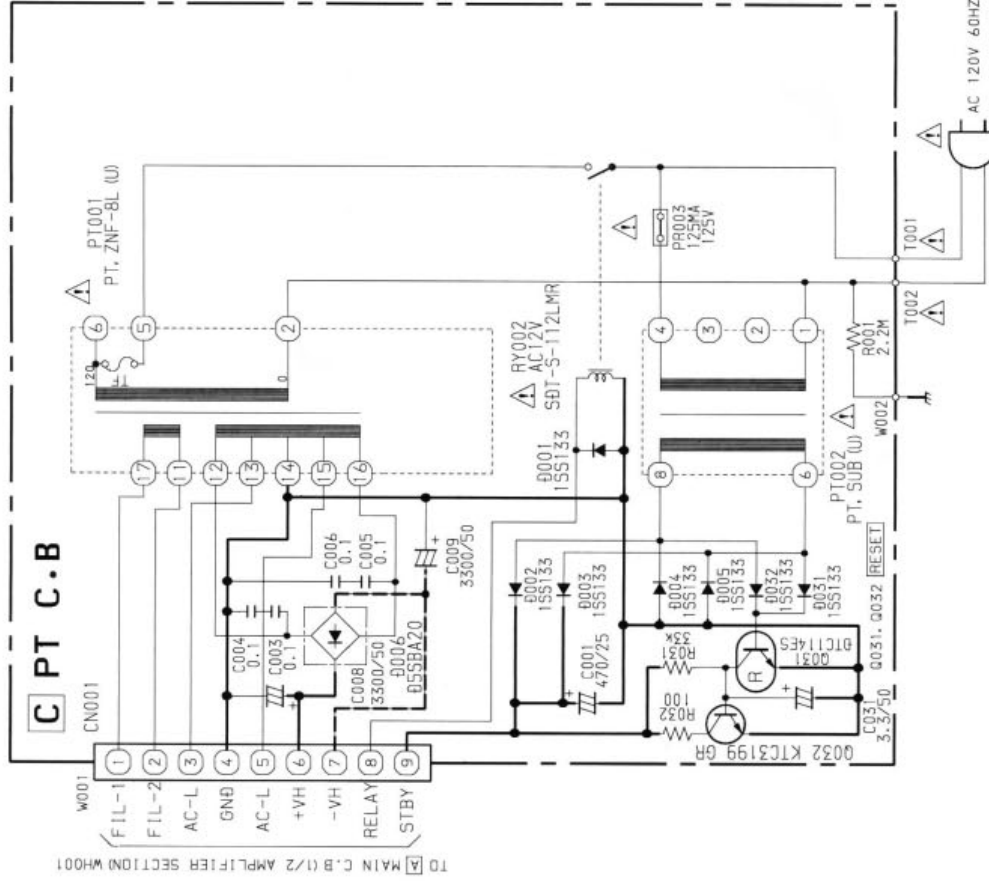


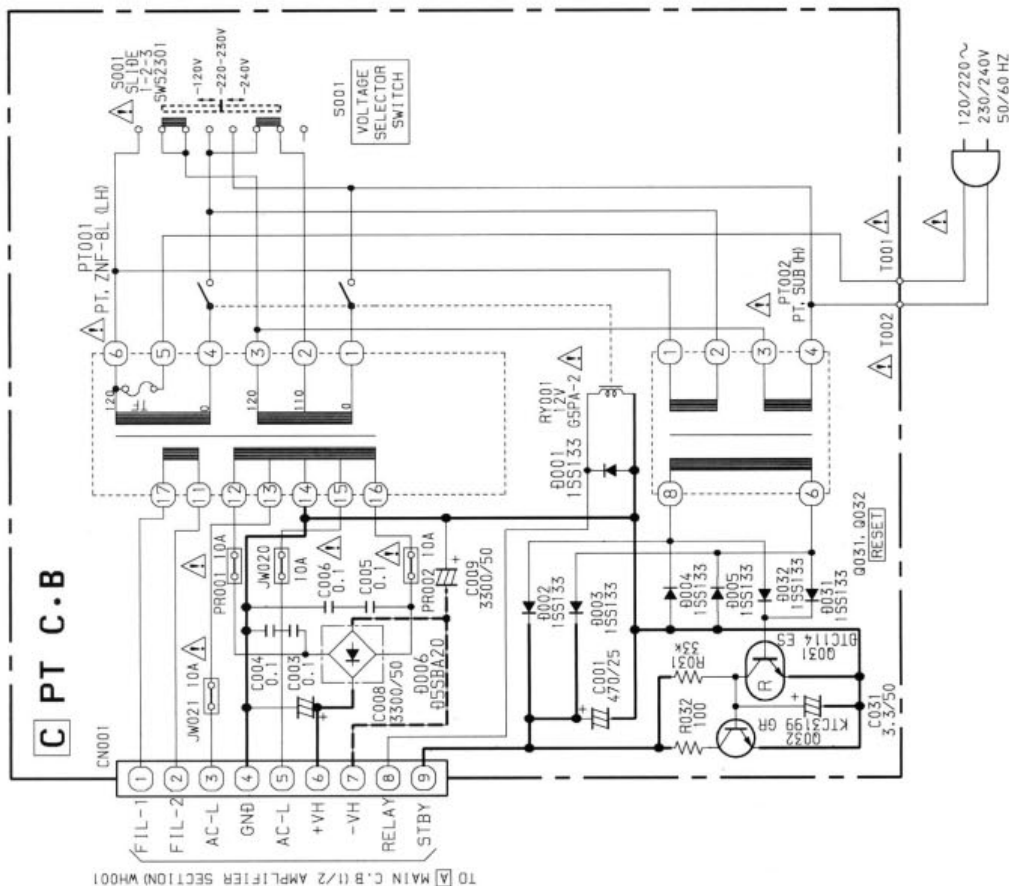
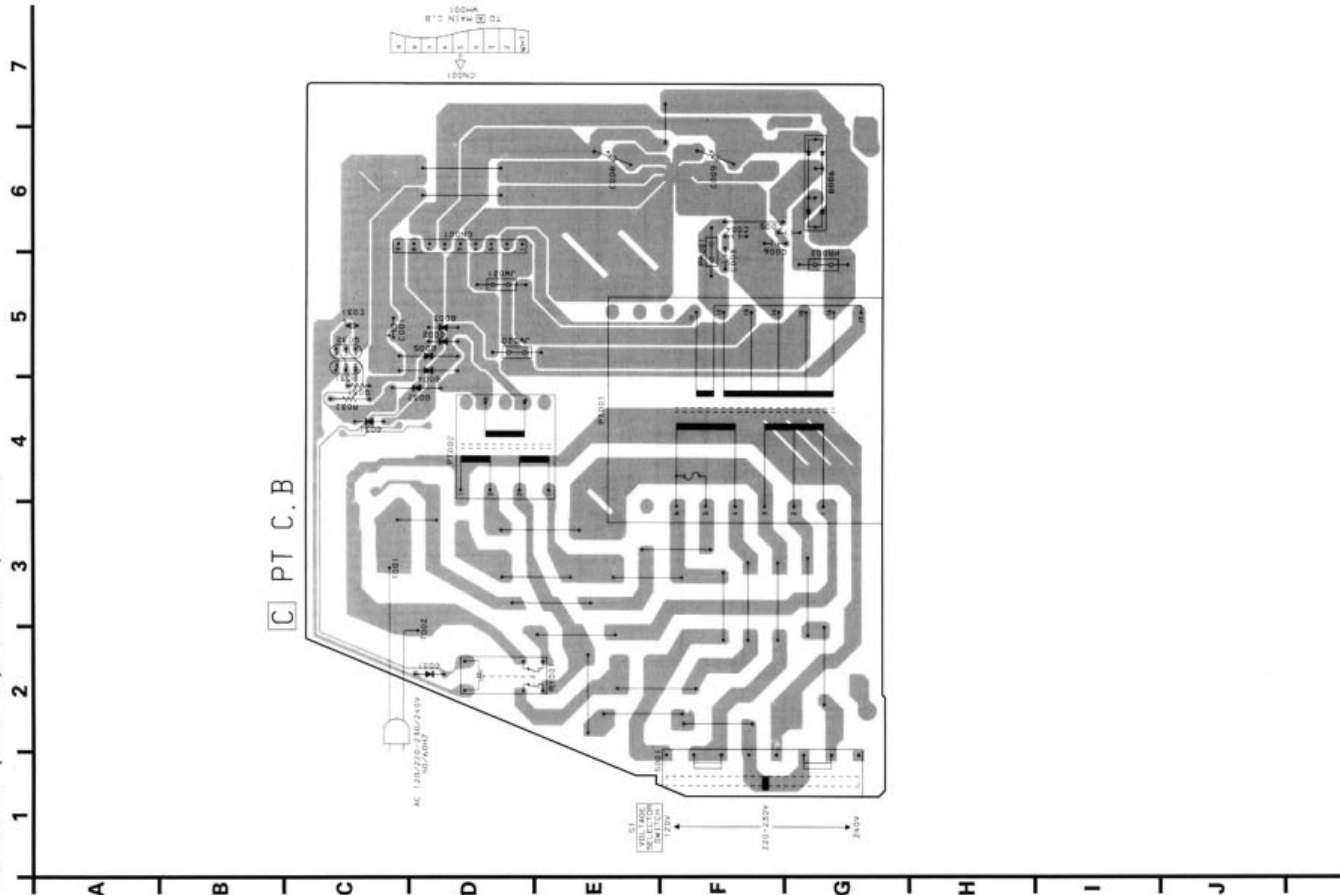
[illegible]

WIRING-6 (PT:U)

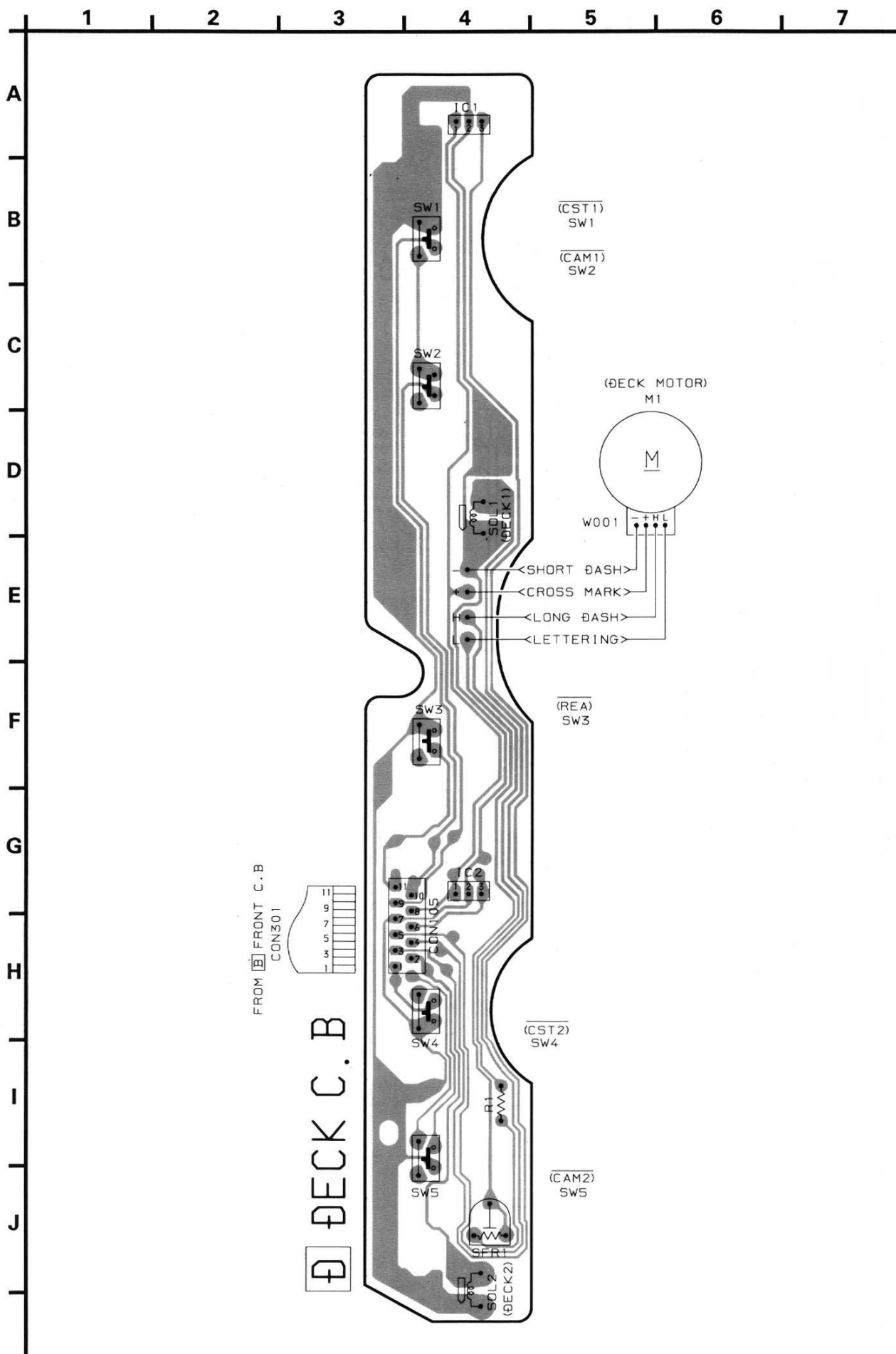


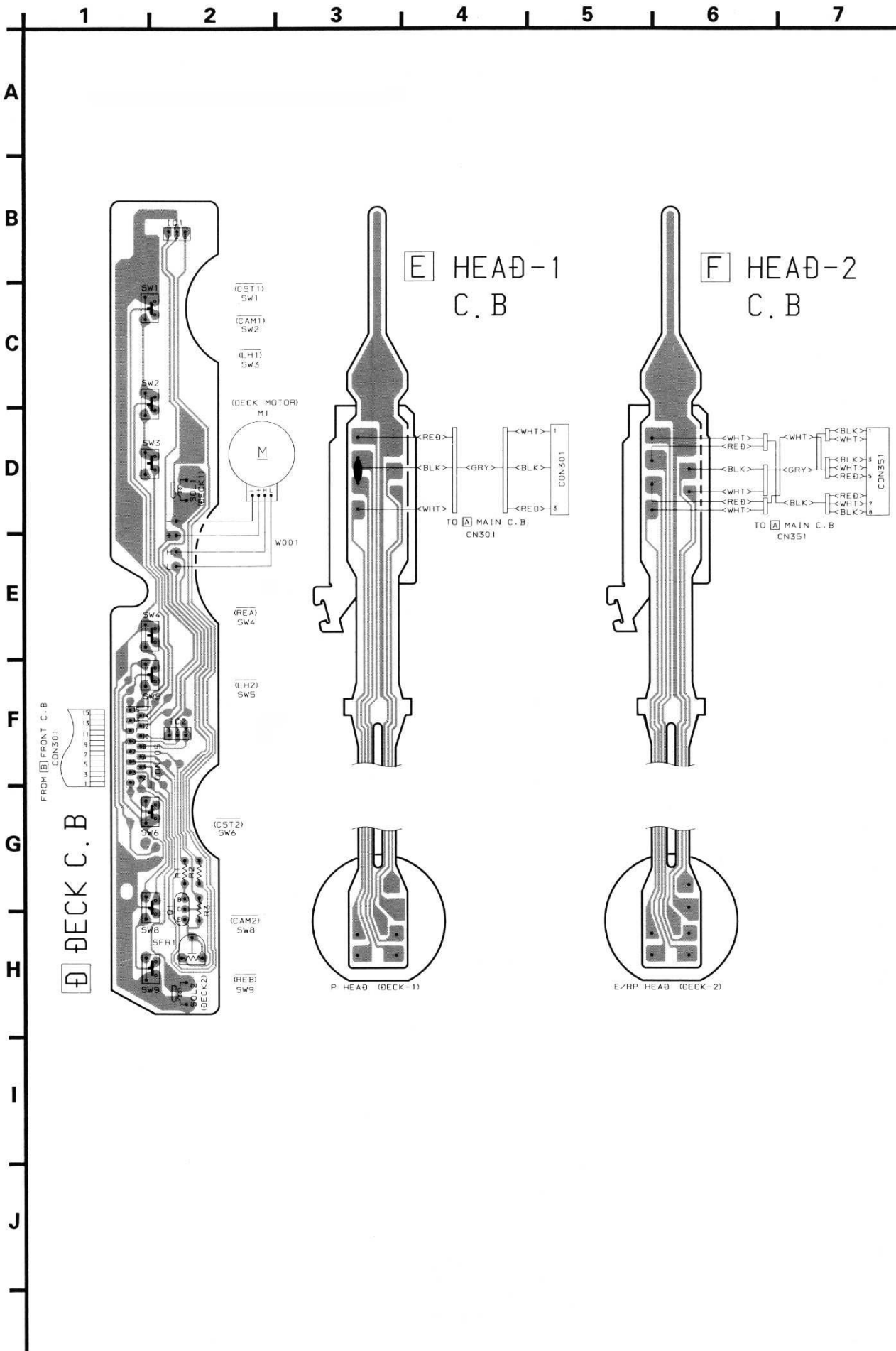
SCHEMATIC DIAGRAM-7 (PT:U)





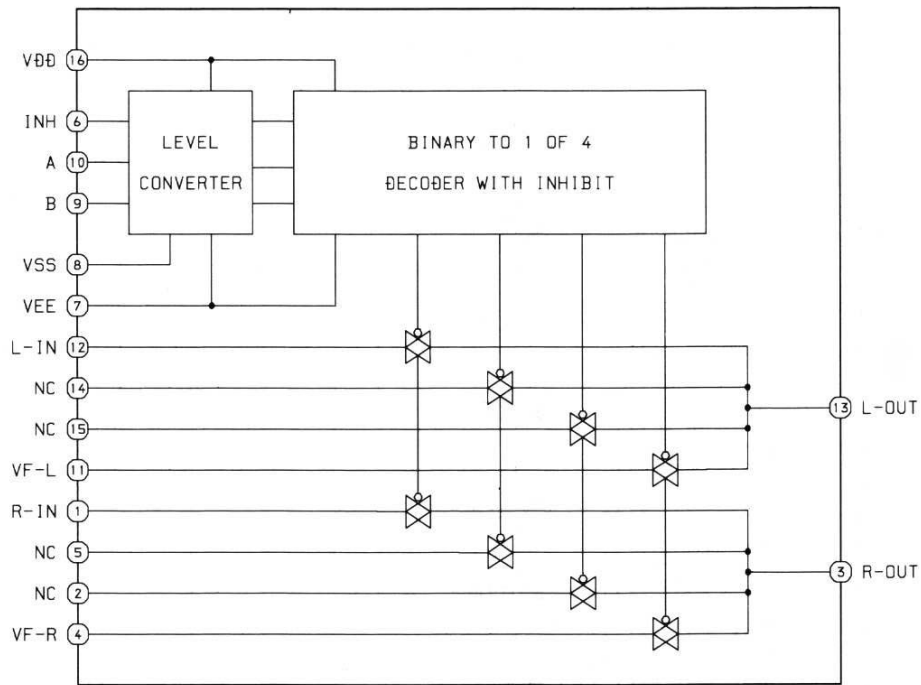
WIRING - 8 (DECK : U)





IC BLOCK DIAGRAM

IC, BU4052BCF

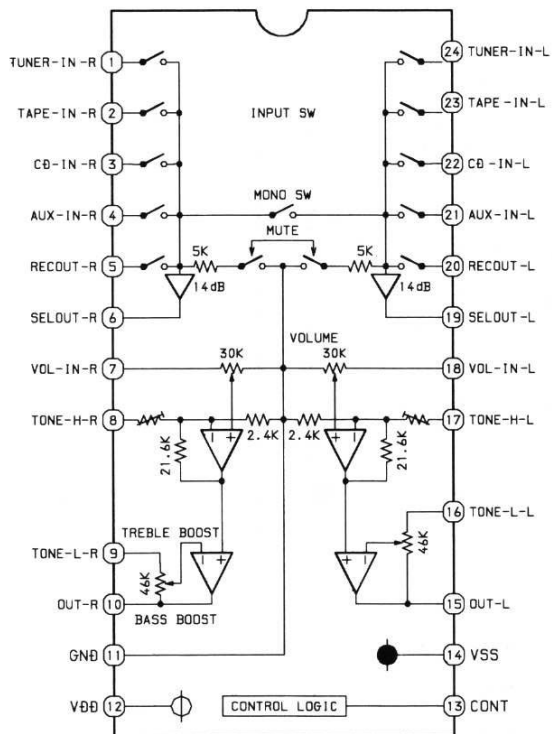


TRUTH TABLE

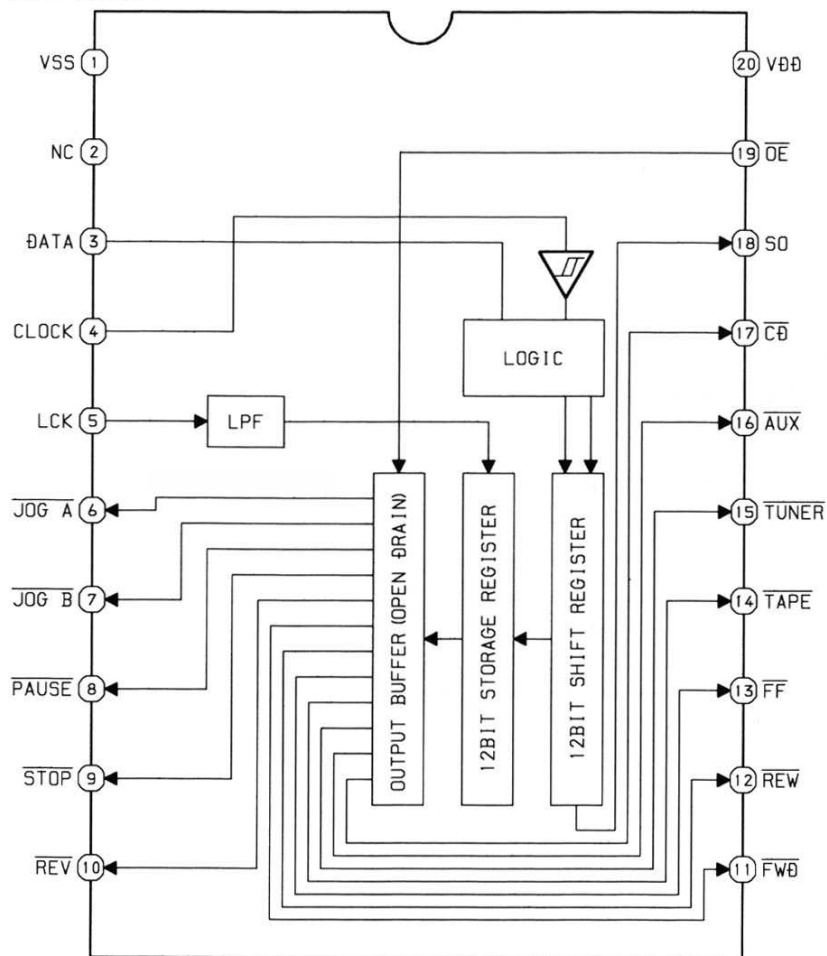
INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE

X: DON'T CARE.

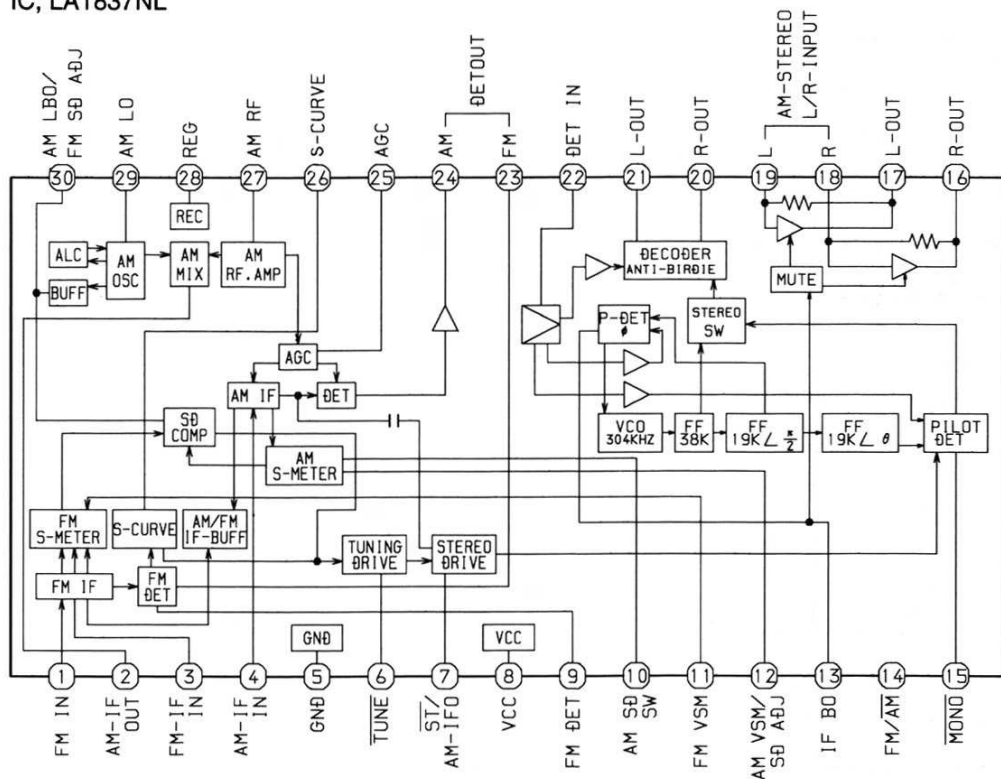
IC, M62495FP



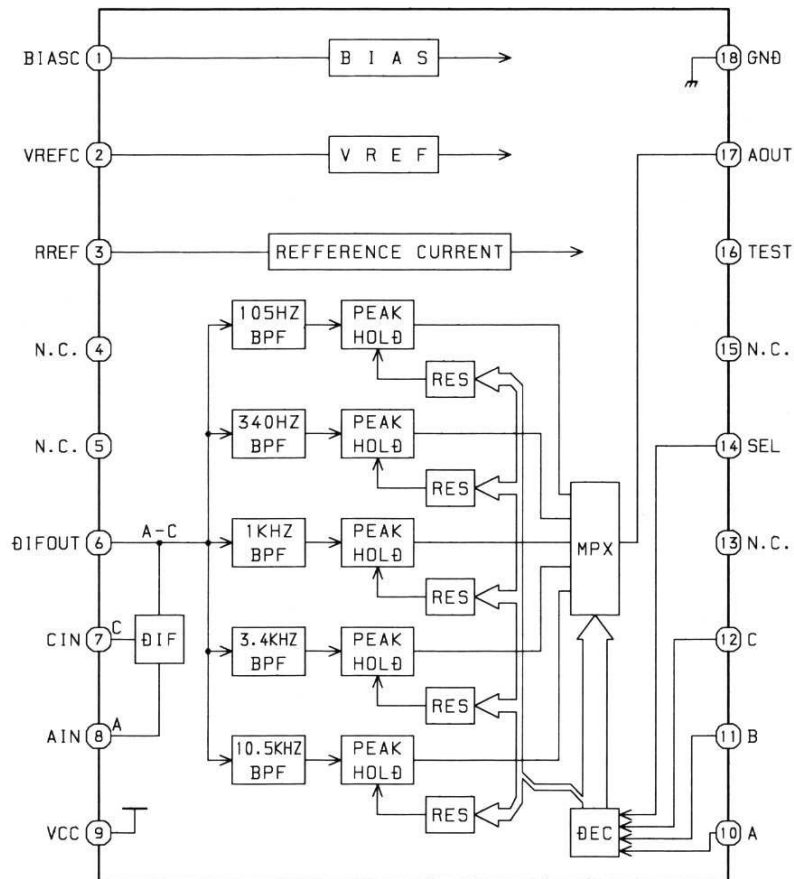
IC, BU2099FV



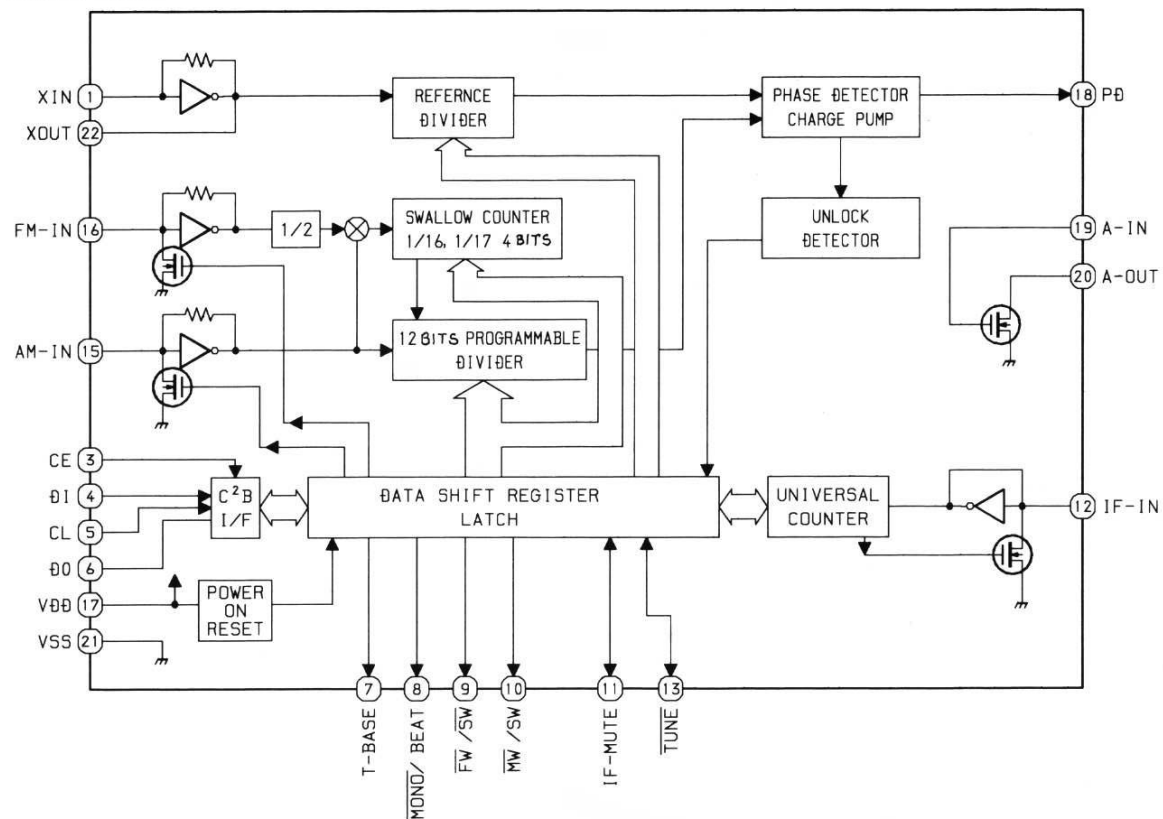
IC, LA1837NL



IC, BA3835F
IC, M62457FP



IC, LC72131D



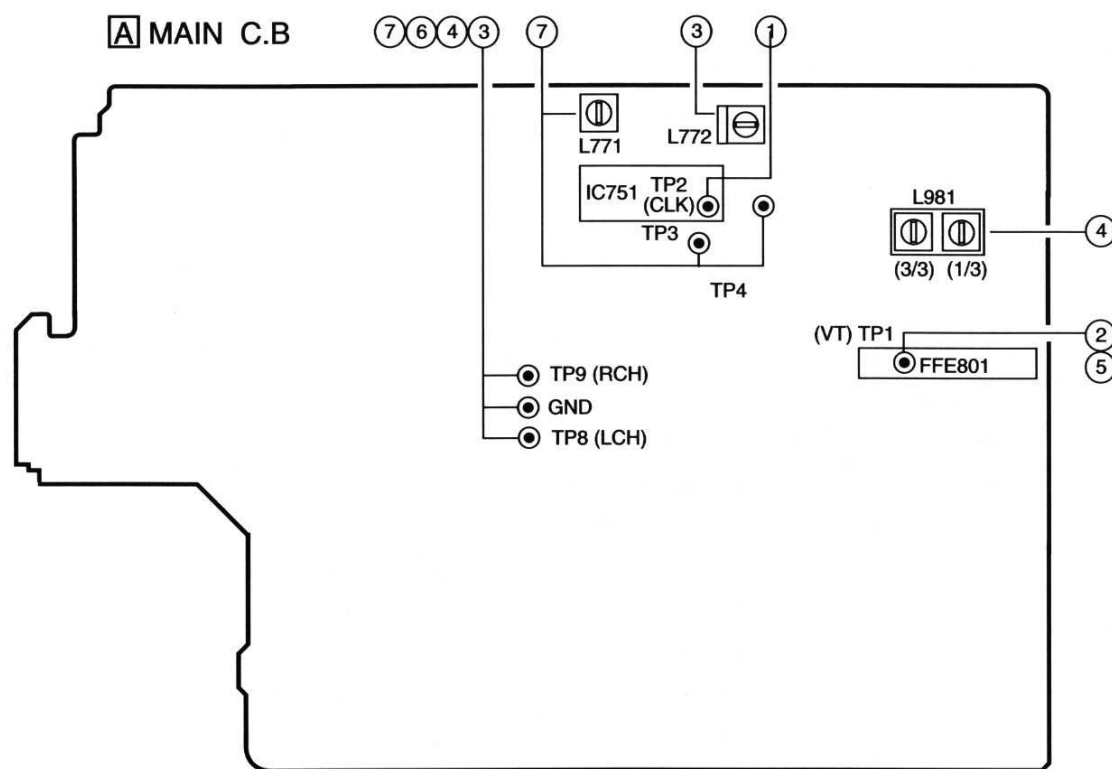
IC DESCRIPTION

IC, uPD780228GF-050-3BA

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{O-K-SCAN}}$	O	Key scan output.
2	I-JOG-A	I	Dial jog rotary encoder input A.
3	I-JOG-B	I	Dial jog rotary encoder input B.
4	O-TUNER-ON	O	TUNER ON output.
5	O-CD-ON	O	CD ON output.
6	O-2PB	O	DECK2 play output.
7	O-BIAS	O	BIAS ON output.
8	$\overline{\text{O-MOTOR}}$	O	DECK MOTOR ON/OFF output.
9	$\overline{\text{O-SOL2}}$	O	DECK2 solenoid output.
10	$\overline{\text{O-SOL1}}$	O	DECK1 solenoid output.
11	O-V-FADER	O	Vocal fader output.
12	O-CD-OPEN	O	CD tray open data output.
13	O-CD-CLOSE	O	CD tray close data output.
14	O-STB (SHIFT)	O	Latch strobe output for FRONT shift register.
15	O-RMT	O	REC mute.
16	I-TM-BASE	I	Base input for clock.
17	IC	-	Internal connection (connected to GND).
18	VSS	-	GND.
19	VDD	-	Power supply.
20	O-POWER	O	System power supply ON/OFF output.
21	$\overline{\text{O-MUTE}}$	O	MUTE output.
22	O-CLOCK (M)	O	Clock output for MAIN.
23	O-DATA (M)	O	Data output for MAIN.
24	O-CD.DISH.F	O	CD turntable forward rotation output.
25	O-CD.DISH.R	O	CD turntable reverse rotation output.
26	$\overline{\text{I-WRQ/I-STEREO}}$	I	CD WRQ input / Tuner stereo input.
27	$\overline{\text{I-DRF/I-IFCNT}}$	I	CD DRF input / Tune IF count serial data input.
28	I-RDS-CLK	I	Tuner RDS clock input. (Not used)
29	$\overline{\text{I-SUBQ/I-RDS DATA}}$	I	CD SUBQ data input / RDS data input (Not used).
30	$\overline{\text{RESET}}$	-	System reset.
31	O-DATA	O	CD data output.
32	O-CDCLK	O	CD clock output.
33	O-CD-CE	O	CD enable output.
34	$\overline{\text{I-RMC}}$	I	System remote control input.
35	I-DISH.SENS	I	CD turntable photo sensor input.
36	$\overline{\text{O-CLK-SHIFT}}$	O	Micon clock shift output.
37	VDD1	-	Power supply.
38	X2	I/O	4.19MHz oscillator circuit.
39	X1		
40	VSS1	-	GND.
41	AVDD	-	Power supply.
42	$\overline{\text{I-HOLD}}$	I	Power failure detected input. " H " to stop clock and main memory.
43	I-CD.SW	I	CD mecha switch input.

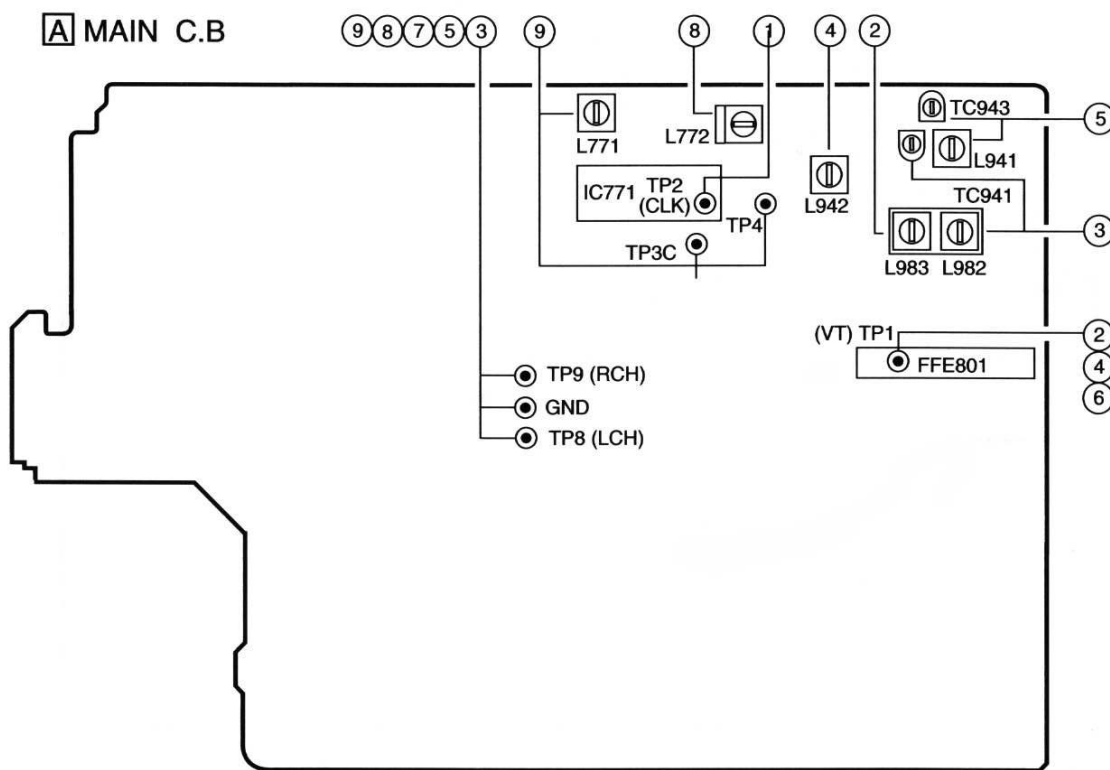
Pin No.	Pin Name	I/O	Description
44	I-SPEANA	I	AD input for spectrum analyser.
45	I-RE.VOL	I	Volume jog AD input.
46	I-RDS-SIG	I	RDS tuner signal input. (Not used)
47	I-KEY3	I	Key3 input.
48	I-KEY2	I	Key2 input.
49	I-KEY1	I	Key1 input.
50	AVSS	-	GND.
51	O-CDLED	O	CD flash window LED ON/OFF output.
52	O-PLL-CE	O	Chip enable output for tuner PLL.
53 ~ 58	P1 ~ P6	O	FL segment P1 ~ P6 output.
59	P7/REV2	I/O	FL segment P7 output / REV2 data input.
60	P8/REV1	I/O	FL segment P8 output / REV1 data input.
61	P9/AM10K	I/O	FL segment P9 output / AM10K data input.
62	P10/AMST.WIDE	I/O	FL segment P10 output / AMST WIDE data input. (Not used)
63	P11/LW	I/O	FL segment P11 output / LW mode data input. (Not used).
64	P12/SW	I/O	FL segment P12 output / SW mode data input.
65	P13/FM1	I/O	FL segment P13 output / FM1 mode data input. (Not used).
66	P14/RDS	I/O	FL segment P14 output / RDS data input (Not used).
67	P15/CST2	I/O	FL segment P15 output / DECK2 cassette detect switch data input.
68	P16/REB	I/O	FL segment P16 output / DECK2 side B record OK switch data input.
69	P17/CAM2	I/O	FL segment P17 output / DECK2 CAM switch data input.
70	P18/AUTO1	I/O	FL segment P18 output / DECK1 AUTO STOP switch data input.
71	P19/AUTO2	I/O	FL segment P19 output / DECK2 AUTO STOP switch data input.
72	P20/CAM1	I/O	FL segment P20 output / DECK1 CAM STOP switch data input.
73	P21/CST1	I/O	FL segment P21 output / DECK1 cassette detect switch data input.
74	P22/REA	I/O	FL segment P22 output / DECK2 side A record OK switch data input.
75	P23/KARAOKE	I/O	FL segment P23 output / KARAOKE data input.
76	P24	O	FL segment P24 output.
77	P25/NO DEMO	I/O	FL segment P25 output / NO DEMO data input.
78	P26	O	FL segment P26 output
79	VDD2	-	Power supply.
80	-VFL	-	Power supply for FL display.
81	SPEANA-A/P27	O	Spectrum analyser band switching data output / FL segment P27 output.
82	SPEANA-B/P28	O	Spectrum analyser band switching data output / FL segment P28 output.
83	SPEANA-C/P29	O	Spectrum analyser band switching data output / FL segment P29 output.
84 ~ 89	P30 ~ P35	O	FL segment P30 ~ P35 output.
90 ~ 100	G11 ~ G1	O	FL grid G11 ~ G1 output.

ADJUSTMENT - 1 (TUNER : U,555LH,HA,559LH)



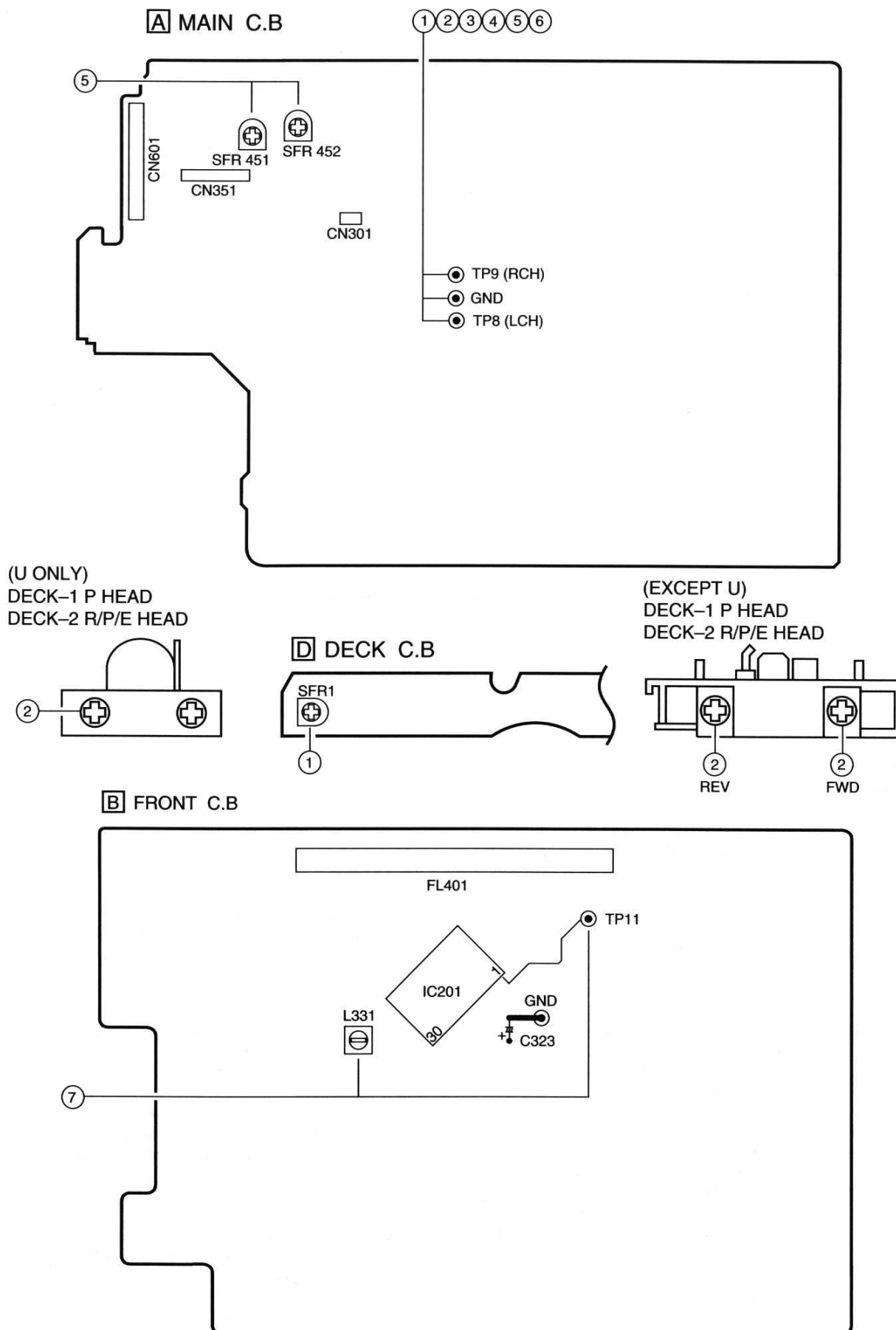
1. Clock Frequency Check
 - Settings : • Test point : TP2 (CLK)
 - Method : Set to MW 1710kHz and check that the test point is 2160kHz $\pm$ 45Hz.
2. MW VT Check
 - Settings : • Test point : TP1 (VT)
 - Method : Set to MW 1710kHz and check that the test point is less than 8.5V. Then set to MW 530kHz and check that the test point is more than 0.6V.
3. MW IF Adjustment
 - Settings : • Test point : TP8(Lch), TP9(Rch)
 - Adjustment location : L772
 - Method : Adjust L772 so that the output level at 1000kHz becomes maximum.
4. MW Tracking Adjustment
 - Settings : • Test point : TP8(Lch), TP9(Rch)
 - Adjustment location : L981(1/3)
 - Method : Adjust L981(1/3) so that the output at 1000kHz becomes maximum.
5. FM VT Check
 - Settings : • Test point : TP1 (VT)
 - Method : Set to FM 108.0MHz and check that the test point is less than 8.0V. Then set to FM 87.5MHz and check that the test point is more than 0.5V.
6. FM Tracking Check
 - Settings : • Test point : TP8(Lch), TP9(Rch)
 - Method : Set to FM 98.0MHz and check that the test point is less than 9.0dB μ V.
7. DC Balance / Mono Distortion Adjustment
 - Settings : • Test point : TP3,TP4 (DC Balance)
 - TP8(Lch), TP9(Rch) (Distortion)
 - Adjustment location : L771
 - Input level : 60 dB μ V
 - Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 0.04V. Next, check that the distortion is less than 1.3%.

ADJUSTMENT – 2 (TUNER : HR)



1. Clock Frequency Check
Settings : • Test point : TP2 (CLK)
Method : Set to MW1602kHz and check that the test point is $2052\text{kHz} \pm 45\text{Hz}$.
2. MW VT Adjustment
Settings : • Test point : TP1(VT)
• Adjustment location : L983
Method : Set to MW 1602kHz and adjust L983 so that the test point becomes $8.0\text{V} \pm 0.05\text{V}$. Then set to MW 531kHz and check that the test point is more than 0.3V.
3. MW Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L982603kHz
TC9411404kHz
Method : Set up TC941 to center before adjustment. Adjust L982 so that level at 603kHz becomes maximum. Then adjust TC941 so that the level at 1404kHz becomes maximum.
4. SW VT Adjustment
Settings : • Test point : TP1(VT)
• Adjustment location : L942
Method : Set to SW 17.9MHz and adjust L942 so that the test point becomes $7.0\text{V} \pm 0.05\text{V}$. Then set to SW 5.9MHz and check that the test point is more than 0.3V.
5. SW Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L9415.9MHz
TC94317.9MHz
Method : Set up TC943 to center before adjustment. Adjust L941 so that level at 5.9MHz becomes maximum. Then adjust TC943 so that the level at 17.9MHz becomes maximum.
6. FM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to FM 108.0MHz and check that the test point is less than 8.0V. Then set to FM 87.5MHz and check that the test point is more than 0.5V.
7. FM Tracking Check
Settings : • Test point : TP8(Lch), TP9(Rch)
Method : Set to FM 98.0MHz and check that the test point is less than 9.0dB μV .
8. AM IF Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location : L772
Method : Adjust L772 so that the output at 1404kHz becomes maximum.
9. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC Balance)
TP8(Lch), TP9(Rch) (Distortion)
• Adjustment location : L771
• Input level : 60dB μV
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%.

ADJUSTMENT – 3 (DECK)



1. Tape Speed Adjustment
Settings : • Test tape : TTA-100
• Test point : TP8(Lch),TP9(Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the frequency counter reads $3000\text{Hz} \pm 5\text{Hz}$.
2. Head Azimuth Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP8(Lch),TP9(Rch)
• Adjustment location : Azimuth adjustment screw
Method : Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum.
Perform on FWD PLAY and REV PLAY mode.
3. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP8(Lch),TP9(Rch)
Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is within 5.0dB.
4. PB Sensitivity Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-200
• Test point : TP8(Lch),TP9(Rch)
Method : Play back the test tape and check the signal level of the test point is $130\text{mV} \pm 3.0\text{dB}$.
5. REC/PB Frequency Response Adjustment (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch),TP9(Rch)
• Input signal : 1kHz / 8kHz (LINE IN)
• Adjustment location : SFR451(LCH)
SFR452(RCH)
Method : Apply 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8,TP9 becomes $10\text{mV}(-30.2\text{dBV})$. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signal becomes $0\text{dB} \pm 0.5\text{dB}$ with respect to that of the 1kHz signal.
6. REC/PB Sensitivity Check (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP8(Lch),TP9(Rch)
• Input signal : 1kHz, -6dBV (LINE IN)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8,TP9 becomes $100\text{mV}(-10.2\text{dBV})$. Record and play back the 1kHz signals and check that the output is $-2.0\text{dB} \pm 3.0\text{dB}$.
7. μ -con OSC Adjustment
Settings : • Test point : TP11
• Adjustment location : L331
Method : Insert AC plug while pressing TUNER function key. Adjust L331 so that the frequency across the test point is $84.80\text{Hz} \pm 0.08\text{Hz}$.

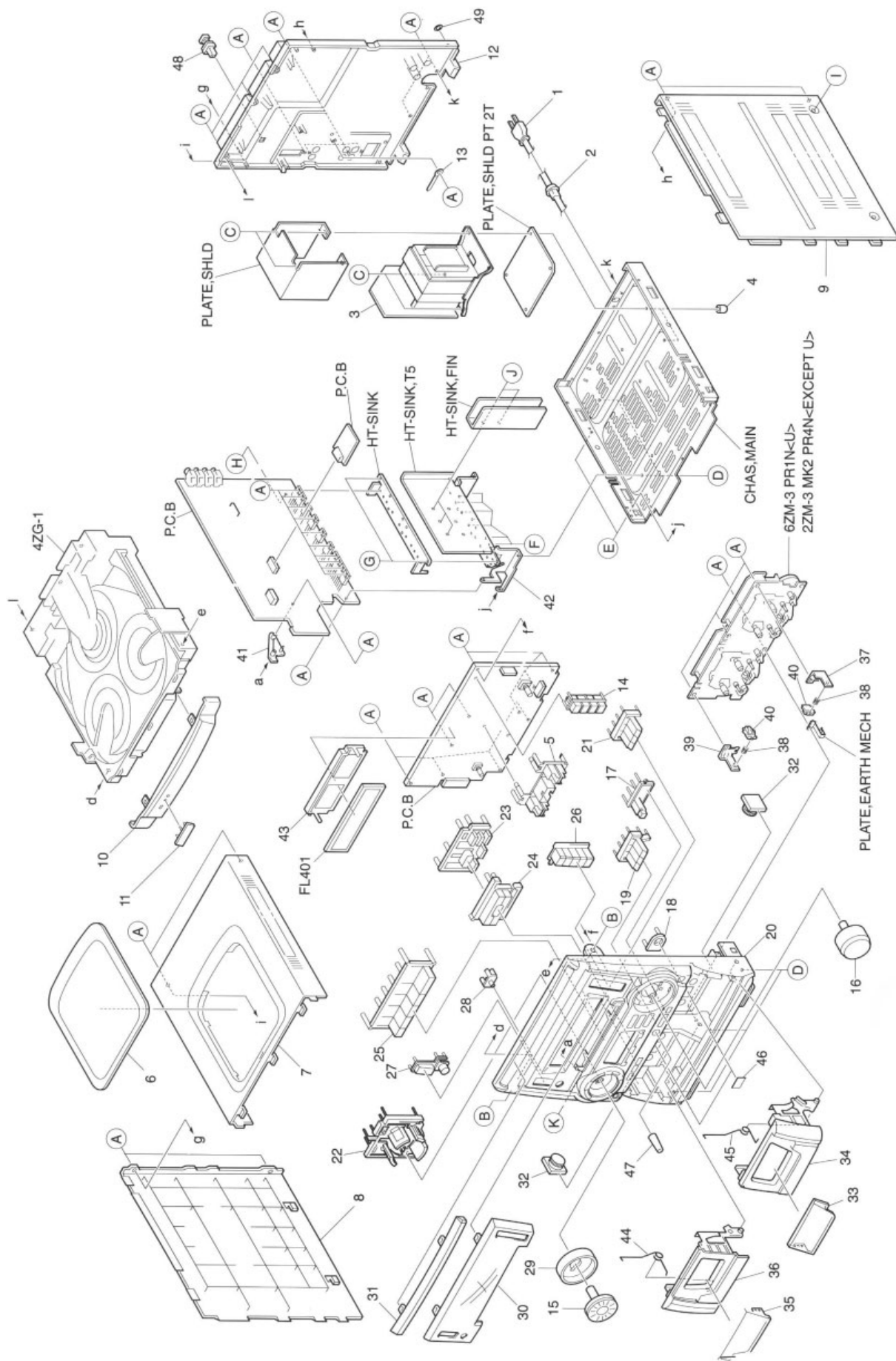
MECHANICAL PARTS LIST 1 / 1

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

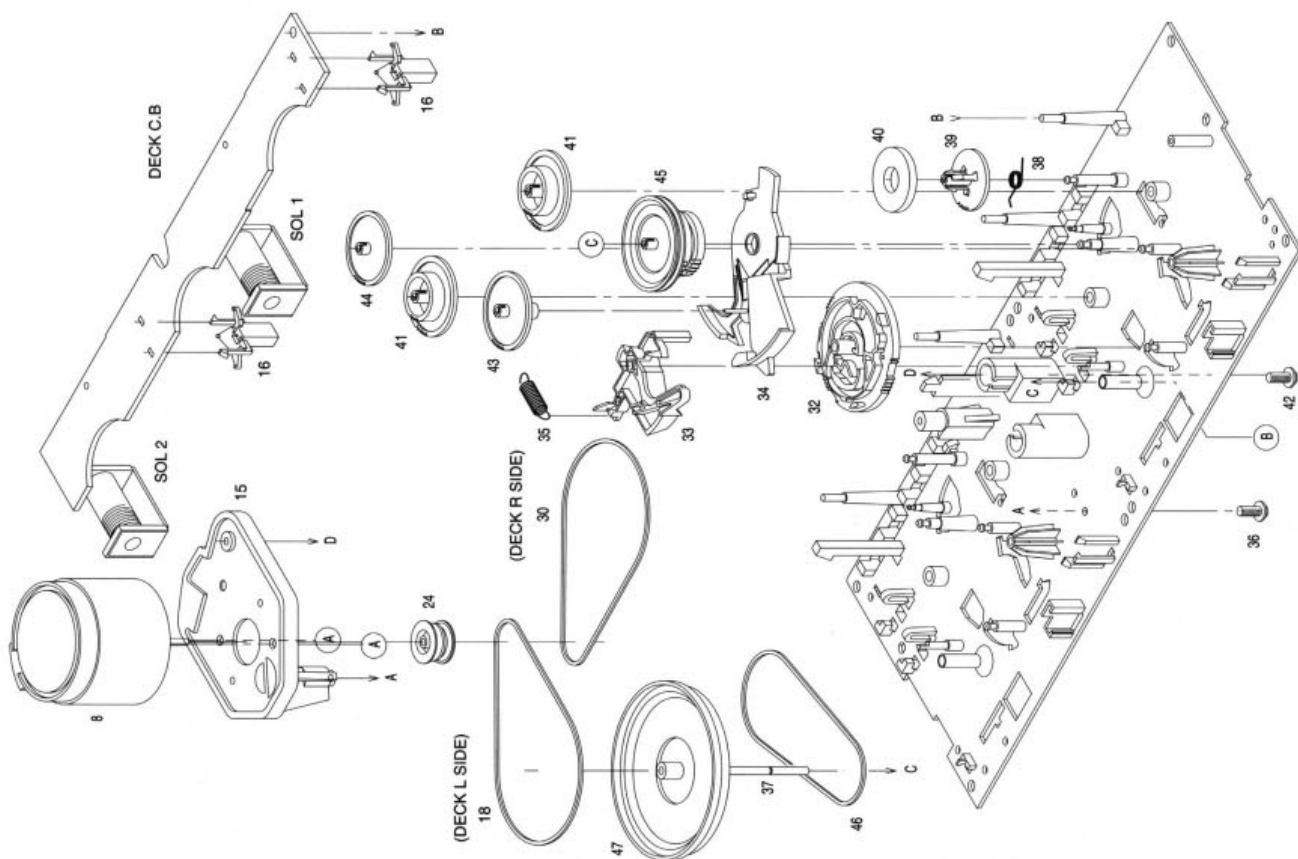
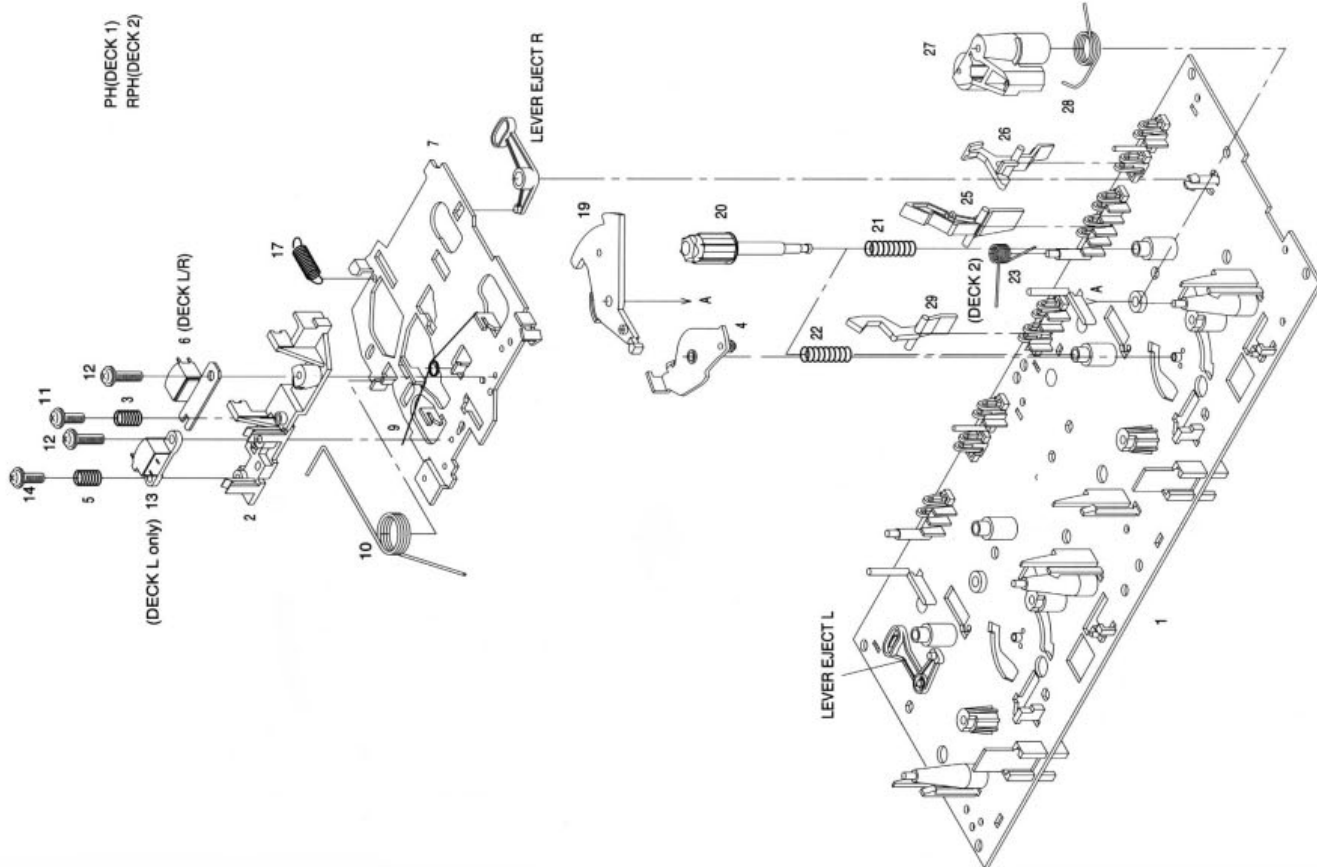
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
△ 1	87-A80-110-010		AC CORD ASSY, U SPT-2W<U>	30	8Z-NF8-023-010		WINDOW, DISP U<U>
△ 1	87-A80-105-010		AC CORD ASSY, AZ<HA>	30	8Z-NF8-060-010		WINDOW, DISP 559KIT<559LH>
△ 1	87-050-079-010		AC-CORD ASSY, E<EXCEPT U, HA>	30	8Z-NF8-034-010		WINDOW, DISP H<EXCEPT U, 559LH>
2	87-085-185-010		BUSHING, AC CORD (E)<EXCEPT U>	31	8Z-NF8-024-010		WINDOW, CD
2	87-085-189-010		BUSHING, CORD (U)<U>	32	87-NF8-220-010		DMPR, 150
△ 3	8Z-NF8-723-010		PT, ZNF-8L (LH)<EXCEPT U>	33	8Z-NF8-022-010		WINDOW, CASS 2
3	8Z-NF8-721-010		PT, ZNF-8L (U)<U>	34	8Z-NF8-038-010		BOX, CASS 2H<EXCEPT U>
4	8Z-NB8-240-010		COVER, PL	34	8Z-NF8-004-010		BOX, CASS 2U<U>
5	8Z-NF8-201-110		GUIDE, OPE<EXCEPT HA>	35	8Z-NF8-021-010		WINDOW, CASS 1
6	86-NFZ-001-010		WINDOW, TOP	36	8Z-NF8-037-010		BOX, CASS 1H<EXCEPT U>
7	8Z-NF9-095-010		PANEL, TOP V-2 R	36	8Z-NF8-003-010		BOX, CASS 1U<U>
8	8Z-NB8-011-210		PANEL, LEFT V-2	37	87-NF4-217-110		HLDR, LOCK 2
9	8Z-NF9-043-010		PANEL, RIGHT S V-2	38	86-NF9-224-010		SPR-C, LOCK
10	8Z-NF8-025-010		PANEL, TRAY U	39	87-NF4-216-010		HLDR, LOCK 1
11	82-NB6-067-010		BADGE, AIWA 30N	40	82-NF5-229-010		PLATE, LOCK
12	8Z-NF8-078-010		CABI, REAR HRST5M<HR>	41	88-NF5-208-010		HLDR, PWB-M N
12	8Z-NF8-082-010		CABI, REAR LHS5KM<559LH>	42	8Z-NF8-205-310		HLDR, HT-SINK
12	8Z-NF8-081-010		CABI, REAR LHST5M<555LH>	43	88-NF8-205-010		GUIDE, FL
12	8Z-NF8-059-110		CABI, REAR LHSTM KIT<HA>	44	82-NF5-218-010		SPR-T, EJECT 1 (SIN)
12	8Z-NF8-099-010		CABI, REAR UST5C<U>	45	82-NF5-219-010		SPR-T, EJECT 2 (SIN)
13	87-064-185-010		HLDR, WIRE	46	81-532-080-010		LABEL, CASS. COMPT
14	8Z-NF8-202-010		GUIDE, FUN<EXCEPT HA, 559LH>	47	8Z-NF8-028-110		KNOB, RTRY MIC<EXCEPT U>
15	8Z-NF8-026-010		KNOB, RTRY JOG	48	84-ZG1-245-210		CAP, OPTICAL
16	8Z-NF8-027-010		KNOB, RTRY VOL	49	85-NF7-599-010		PVC W 3.2-8-0.3
17	8Z-NF8-049-010		KEY, ECHO U<U>	A	87-067-703-010		TAPPING SCREW, BVT2+3-10
17	8Z-NF8-050-010		KEY, KARAOKE<EXCEPT U>	B	87-721-097-410		QT2+3-12 GLD
18	8Z-NF9-204-010		PLATE, MIC<EXCEPT U>	C	87-078-191-010		S-SCREW, IT+4-10
19	8Z-NF8-009-010		KEY, EDIT<U>	D	87-067-688-010		BVTT+3-6
19	8Z-NF8-048-010		KEY, EDIT H<EXCEPT U>	E	87-721-096-410		QT2+3-10 GLD
20	8Z-NF8-033-010		CABI, FR H<EXCEPT U>	F	87-067-758-010		BVT2+3-12 W/O SLOT
20	8Z-NF8-001-010		CABI, FR U<U>	G	87-067-581-010		TAPPING SCREW, BVT2+3-15
22	8Z-NF8-008-010		KEY, TIMER	H	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
23	8Z-NF8-013-010		KEY, ASSY PLAY<EXCEPT U>	I	87-067-641-010		UTT2+3-8(W/O SLOT)BL
23	8Z-NF8-030-010		KEY, ASSY PLAY U<U>	J	87-B10-090-010		BVIT3B+3-12 GOLD<EXCEPT HR>
24	8Z-NF8-016-010		KEY, ASSY PAUSE	K	87-723-096-410		QT2+3-10W/O SLOT BL
25	8Z-NF8-006-010		KEY, CD				
26	8Z-NF8-010-010		KEY, ASSY FUN				
27	8Z-NF8-005-210		KEY, POWER				
28	8Z-NF8-007-010		REFLECTOR, ECO				
29	8Z-NF8-029-010		REFLECTOR, JOG				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow				



TAPE MECHANISM EXPLODED VIEW 1 / 1 (6ZM-3 PR1NM)

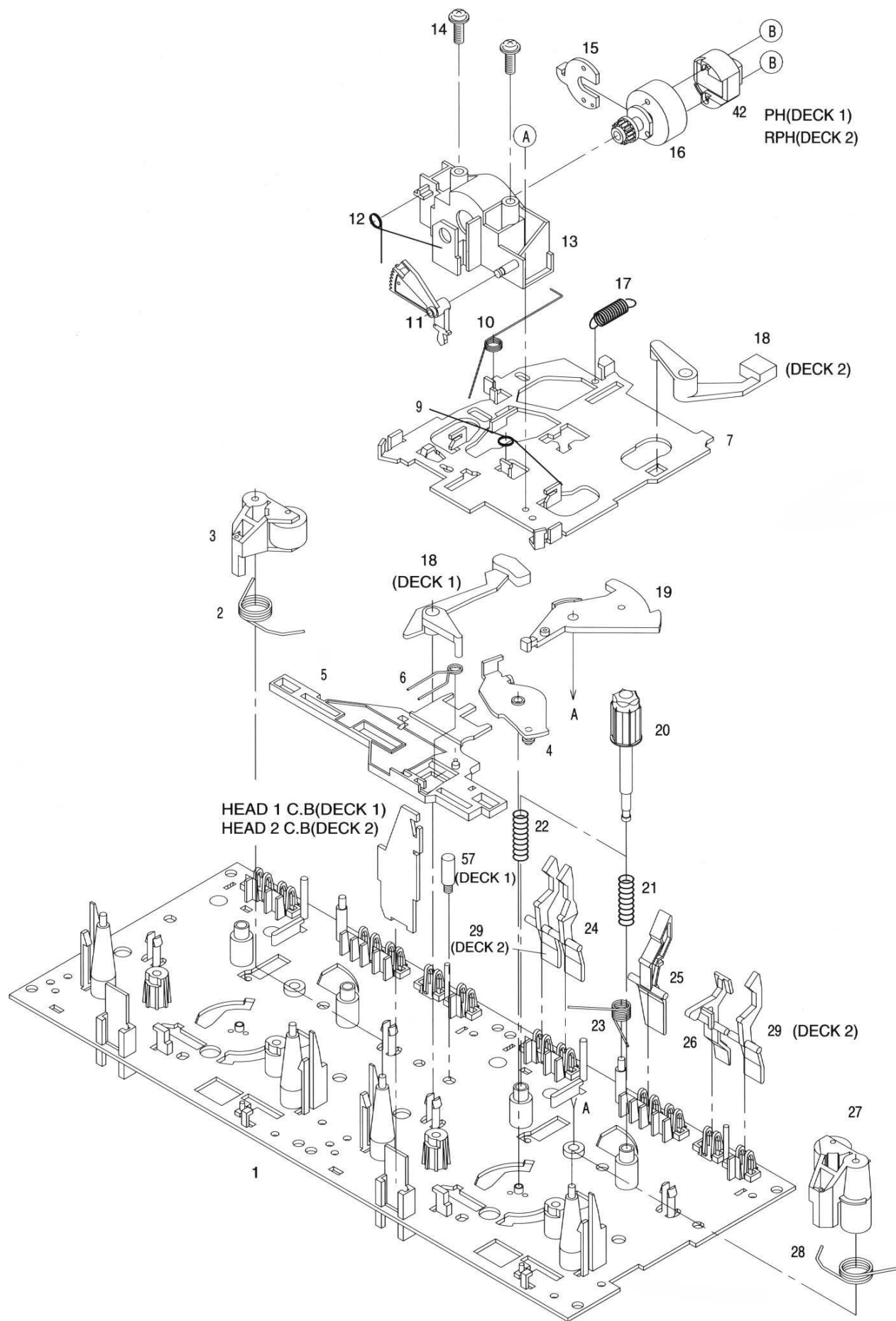


TAPE MECHANISM PARTS LIST 1/1(6ZM-3 PR1NM)

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-ZM3-212-010		CHAS ASSY, SS	31	82-ZM1-223-010		GEAR, PLAY
2	86-ZM3-202-010		BASE, HEAD S	32	82-ZM3-305-019		GEAR, CAM M2
3	86-ZM3-205-010		SPR-C, RPH S	33	82-ZM1-227-319		LVR, TRIG
4	82-ZM1-333-210		PLATE, LINK 2	34	82-ZM3-306-110		LVR, FR M2
5	86-ZM3-206-010		SPR-C, EH S	35	82-ZM1-265-119		SPR-E, TRIG
6	87-A90-403-019		HEAD, RPH MS15R	36	85-ZM3-203-019		S-SCREW MOTOR M3
7	86-ZM3-201-010		CHAS, HEAD S	37	82-ZM1-236-019		CAPSTAN N 2-41.5
8	87-045-347-019		MOT, SHU2L 70(M1)	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
9	82-ZM1-269-219		SPR-T, BRG	38	82-ZM1-322-019		SPR-T, FR60
10	82-ZM3-323-119		SPR-T, LINK	39	82-ZM1-220-219		GEAR, IDLER
11	86-ZM3-209-010		S-SCREW, ASIMUTHS	40	82-ZM3-616-019		RING MAGNET 4
12	86-ZM3-207-010		S-SCREW, RPH	41	82-ZM1-216-319		GEAR, REEL
13	87-A90-404-019		HEAD, EH LE15B	42	85-ZM3-213-010		S-SCREW, HLDR MOT 3
14	86-ZM3-208-010		S-SCREW, EH	43	82-ZM1-225-219		GEAR, FR
15	86-ZM3-203-010		HLDR, MOTS	44	82-ZM1-226-019		GEAR, REW
16	82-ZM1-245-210		HLDR, IC	45	82-ZM3-333-210		SLIP DISK ASSY 2
17	82-ZM1-218-019		SPR-E, HB	46	82-ZM1-338-010		BELT FR4
18	86-ZM3-211-010		BELT, RS	47	82-ZM1-349-019		FLY-WHL RW (DECK L)
19	82-ZM1-222-219		LVR, PLAY	47	82-ZM3-331-019		FLY-WHL R2W (DECK R)
20	82-ZM1-217-419		REEL, TABLE	A	87-251-071-417		U+2.6-4
21	82-ZM1-244-519		SPR-C, BT	B	80-ZM6-243-019		SH, 1.75-3.6-0.5 SLT
22	82-ZM1-285-410		SPR-C, BT L				
23	82-ZM1-257-019		SPR-T, CAS				
24	82-ZM3-221-010		PULLEY, MOT 2M				
25	82-ZM1-242-019		LE=VR, CAS				
26	82-ZM1-243-019		LVR, STOP				
27	82-ZM1-344-119		LVR ASSY, PINCH				
28	86-ZM3-204-010		SPR-T, PINCHDS				
29	82-ZM1-240-119		LVR, REC (DECK 2)				
30	86-ZM3-210-010		BELT, PS				

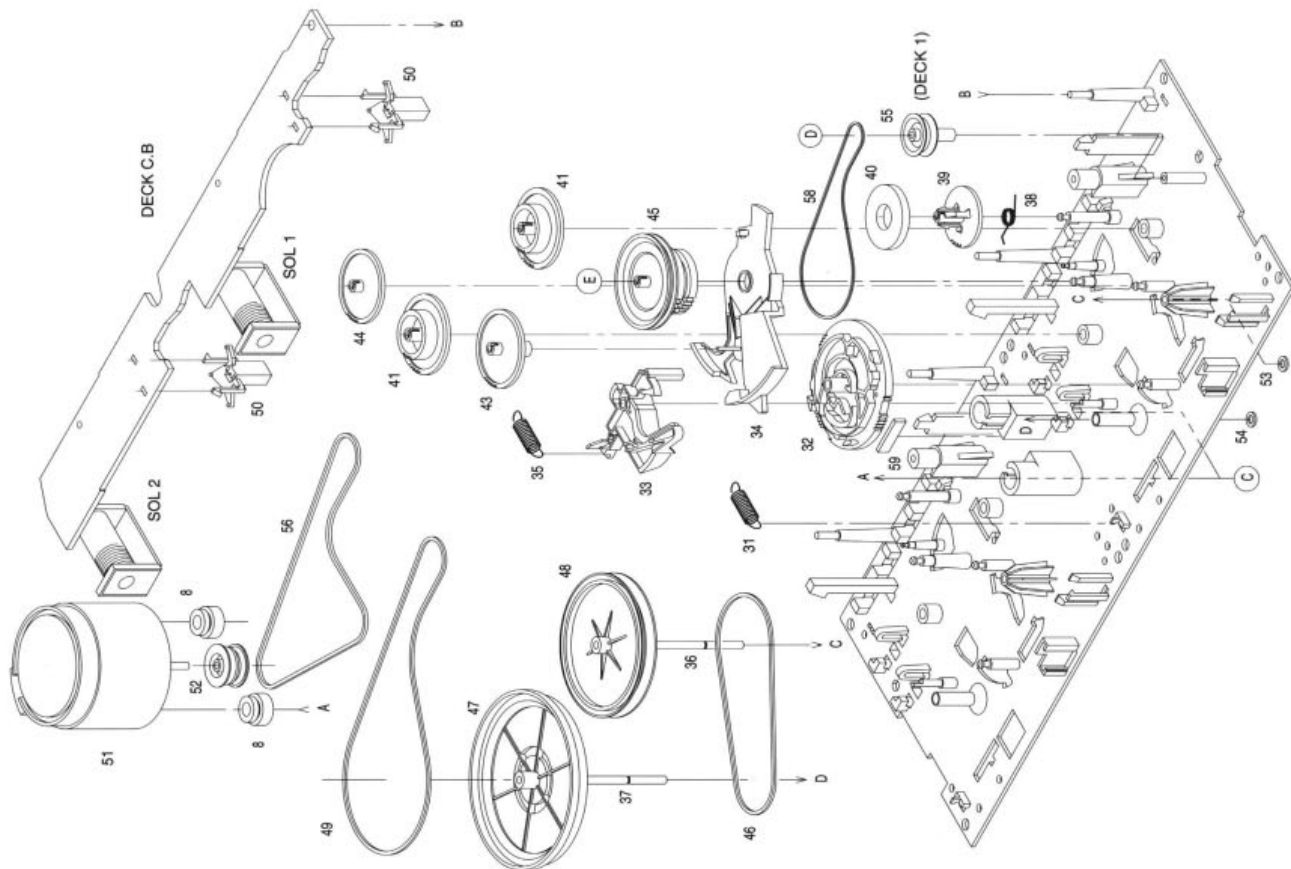
TAPE MECHANISM EXPLODED VIEW 1 / 1 (2ZM-3MK2 PR4NM)



TAPE MECHANISM PARTS LIST 1 / 1 (2ZM-3MK2 PR4NM)

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

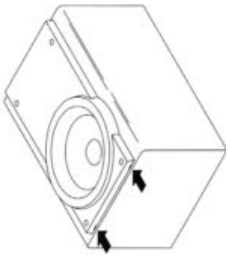
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CEAS ASSY, M2	36	82-ZM1-216-019		CANSTAN N 2-41.5
2	82-ZM1-258-110		SFR-T, PINCH L	37	82-ZM1-219-019		CANSTAN N 2.2-41.7
3	82-ZM1-341-110		LVR ASSY, PINCH L2	38	82-ZM1-222-019		SFR-T, FR60
4	82-ZM1-332-010		PLATE, LINK 2	39	82-ZM1-220-219		GEAR, IDLER
5	82-ZM1-266-11K		LVR, DIR	40	82-ZM3-616-019		ALUM. PLACKET 4
6	82-ZM1-214-010		SFR-T, DIR	41	82-ZM1-216-31K		GEAR, REEL
7	82-ZM1-306-81K		CEAS, HEAD	42	87-A90-319-010		HEAD, PH. HADMB2 FPC
8	82-ZM3-307-019		CUSH-2, DCA1.7-8-3.2	42	87-A90-320-010		HEAD, RPH. HADMB5 FPC
9	82-ZM1-269-219		SFR-T, BRG	43	82-ZM1-225-21K		GEAR, FR
10	82-ZM1-215-119		SFR-T, LINK	44	82-ZM1-226-019		GEAR, REN
11	82-ZM1-210-119		GEAR, H. T	45	82-ZM3-333-310		SLIP DISK ASSY 2
12	82-ZM1-213-019		SFR-T, HEAD	46	82-ZM1-338-110		REEL, SH. 1.63-3.2-0.5 SLT
13	82-ZM1-215-019		SFR-T, REEL	46	82-ZM1-338-110		REEL, SH. 1.75-3.16-0.5 SLT
14	86-ZM4-306-010		S-STEEL ALUMETH	47	82-ZM3-338-110		FLY-WHL, R3 W/DECK 1)
15	82-ZM1-314-119		PLATE, HEAD	48	82-ZM3-348-010		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		SFR-E, HB	49	82-ZM3-339-210		REEL, SH. 82
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		NOT, BRUL 70(M1)
19	82-ZM1-222-21K		LVR, PLAY	52	82-ZM3-221-010		PULLEY, MOT 2M
20	82-ZM1-317-119		REEL, TABLE	53	82-ZM1-288-019		SH. 1.63-3.2-0.5 SLT
21	82-ZM1-244-510		SFR-C, BT	54	82-ZM3-243-019		SH. 1.75-3.16-0.5 SLT
22	82-ZM1-285-310		SFR-C, BT L	55	82-ZM3-335-210		PULLEY, COUPLER M3 (DECK 1)
23	82-ZM1-257-019		SFR-T, CAS	56	82-ZM3-337-010		REEL, SH. MOT 2
24	82-ZM1-241-319		LVR, MC	57	82-ZM3-339-010		SHAFT, COUPLER M3 (DECK 1)
25	82-ZM1-242-019		LVR, CAS	58	84-ZM1-206-010		REEL, MAIN L
26	82-ZM1-241-019		LVR, STOP	59	82-ZM3-340-010		SH, REUT, D2
27	82-ZM1-344-110		LVR ASSY, PINCH R2	A	82-ZM3-202-010		S-SCREW, TG
28	82-ZM1-242-110		LVR, EJECT R (DECK 1)	B	82-ZM3-202-010		S-SCREW, TG
29	82-ZM1-240-11K		LVR, REC (DECK 2)	C	82-ZM3-318-019		S-SCREW MOTOR M2
31	82-ZM1-255-319		SFR-E, LVR DIR	D	87-B10-043-010		W-P, 0.99-4-0.25 SLT
32	82-ZM1-305-01K		GEAR, CAM M2	E	82-ZM3-334-010		PM, 2.16-6-0.4
33	82-ZM1-227-21K		LVR, TRIG				
34	82-ZM1-304-11K		LVR, FR M2				
35	82-ZM1-265-119		SFR-E, TRIG				



SPEAKER DISASSEMBLY INSTRUCTIONS

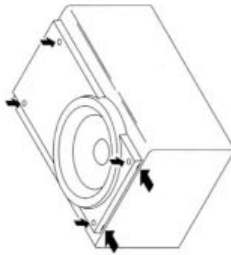
Type.1

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.



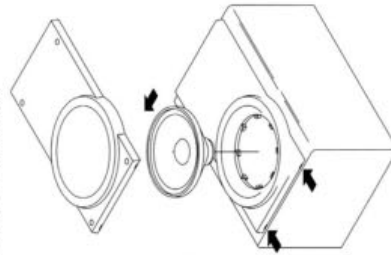
Type.2

Remove the grill frame and four pieces of 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

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-WNA555 (YUSTL)

SX-WNS555 (YLSCLC, YLSTL, YLSC9C, YLSKM, Y1STL)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-NS8-001-010	PANEL, FR	
2	82-NS8-002-010	PANEL, BA	
3	82-NSY-003-010	CORD, BUSH	
4	82-NS8-003-010	PROTECTOR, TW	
5	88-NS5-610-010	CORD, SPKR	
6	88-NS5-611-010	CORD, SPKR B/L	
7	88-NS3-029-010	CORD, BUSH L-EXCEPT YLSKM>	
8	82-NS8-602-010	SPKR, M 160<YLSCLC, YLSC9C>	
9	82-NSY-602-010	SPKR, M 160<EXCEPT YLSCLC, YLSC9C>	
9	82-NS8-608-010	SPKR, M 100<YLSCLC, YLSC9C>	
9	82-NSY-604-010	SPKR, M 100<EXCEPT YLSCLC, YLSC9C>	

ACCESSORIES / PACKAGE LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-NF8-927-010	IB,U(ESF) M-VA<U>	
1	8Z-NF8-928-010	IB,LH(ESP) M-VA<555LH>	
1	8Z-NF8-945-010	IB,LH(P) KIT-VA<559LH>	
1	8Z-NF8-923-010	IB,HA(KIT) M<555HA>	
1	8Z-NF8-938-010	IB,H(ECA) M-VA<555HR>	
2	87-A90-030-010	ANT,LOOP AM-NC C<EXCEPT HR>	
2	87-A90-054-010	ANT,LOOP AM-CON C<HR>	
3	87-A90-119-010	ANT,WIRE SW(5M) <HR>	
4	87-043-115-010	ANT,FEEDER FM	
△ 5	87-A91-017-010	PLUG,CONVERSION JT-0476<HR,LH>	
6	8Z-NF8-701-210	RC UNIT,RC-ZAS01	

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 SENSOR
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.

9820527, 0251431

Tokyo Japan