

XR-M141 EZ(S)

XR-M161 HA(S),LH(S)

SIMPLE-2

A part of contents is adequate.
Re-issuing is under request.



SERVICE MANUAL

COMPACT DISC STEREO SYSTEM

BASIC TAPE MECHANISM : 2ZM-1 YR12NC
BASIC CD MECHANISM : DA11T3C

SYSTEM	CD-CASSEIVER	SPEAKER
XR-M141	CX-SLM141	SX-SLM141
XR-M161	CX-SLM161	SX-SLM161

aiwa

S/M Code No. 09-014-355-2N1



SPECIFICATIONS

(141 MODEL)

MAIN UNIT

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	16.8 dBf
FM antenna terminal	75 ohms (unbalanced)
MW tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
MW usable sensitivity	350 μ V/m
LW tuning range	144 kHz to 290 kHz
LW usable sensitivity	1400 μ V/m
MW/LW antenna	Loop antenna

AMPLIFIER

Power output	Rated: 4 W + 4 W (4 ohms, T.H.D. 1%, 1 kHz/ DIN 45500) Reference: 5 W + 5 W (4 ohms, T.H.D. 10%, 1 kHz/DIN 45324) DIN MUSIC POWER 7 W + 7 W AUX: 500 mV
Input	SPEAKERS: 4 ohms or more
Outputs	PHONES: 32 ohms or more SUPER WOOFER

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 15000 Hz
Recording system	AC bias
Heads	Recording/playback \times 1, erase \times 1

CD PLAYER

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

GENERAL

Power requirements	230 V AC, 50 Hz
Power consumption	30 W
Dimensions (W \times H \times D)	160 \times 237 \times 207 mm
Weight	2.7 kg

SPEAKER SYSTEM

Speakers	100 mm cone type
Impedance	4 ohms
Dimensions (W \times H \times D)	140 \times 232.5 \times 191.5 mm
Weight	1.1 kg

- Design and specifications are subject to change without notice.

(161 MODEL)

MAIN UNIT

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	13.2 dBf
FM antenna terminals	75 ohms (unbalanced)
AM tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
AM usable sensitivity	350 μ V/m
AM antenna	Loop antenna

AMPLIFIER

Power output	5.5 W + 5.5 W (4 ohms, T.H.D. 1% 1 kHz) 7 W + 7 W (4 ohms, T.H.D. 10% 1 kHz)
Input	AUX: 500 mV
Outputs	SPEAKERS: 4 ohms or more PHONES: 32 ohms or more SUPER WOOFER

CD PLAYER

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

GENERAL

Power requirements	120/220-240 V AC switchable, 50/60 Hz
Power consumption	32 W
Dimensions (W \times H \times D)	160 \times 237 \times 204 mm
Weight	2.9 kg

SPEAKER SYSTEM

Speakers	100 mm cone type
Impedance	4 ohms
Dimensions (W \times H \times D)	140 \times 232.5 \times 191.5 mm
Weight	1.1 kg

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz to 15000 Hz
Recording system	AC bias
Heads	Recording/playback \times 1, erase \times 1

- Design and specifications are subject to change without notice.

ACCESSORIES/PACKAGE LIST-1/1

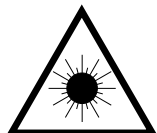
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8B-CLL-906-010		1IB,EZ (9L) B<141EZSC>
1	8B-CLA-902-110		1IB,LH (ESP) B<EXCEPT 141EZSC>
2	8A-CLB-961-210		2RC UNIT,RC-AAT11<EXCEPT 161LHSC>
2	8A-CLB-961-110		2RC UNIT,RC-AAT11<161LHSC>
3	87-A90-030-010		3ANT,LOOP AM-NC C
4	87-043-115-010		4ANT,FEEDER FM<EXCEPT 141EZSC>
4	87-A90-118-010		4ANT,WIRE FM (Z) <141EZSC>
5	87-A91-017-010		5PLUG,CONVERSION JT-0476<161LHSC>

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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

WARNING!

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



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

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstråling, 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.

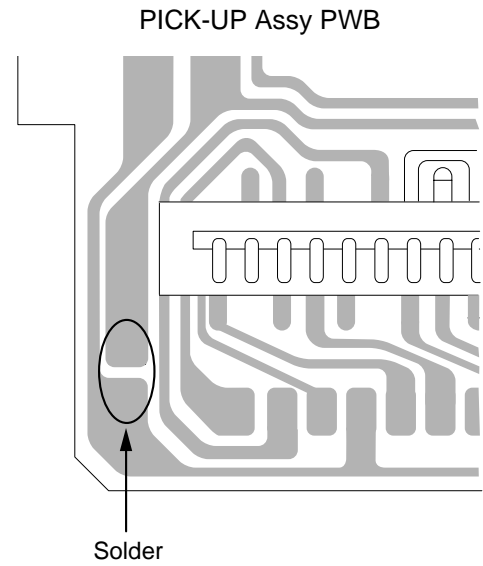
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block (SF-P101NR)

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 the right figure.



ELECTRICAL MAIN PARTS LIST-1/5

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C110	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-020-454-010	IC, DN6851		C111	87-010-453-010		CAP, E 4700-25 M SME
	87-A20-446-010	C-IC, LA9241ML		C112	87-012-140-080		C-CAP, S 470P-50 J CH
	87-A21-319-010	C-IC, LC78622NE		C113	87-010-408-080		Cap. 47uF M ELEC. 50V P=5mm
	87-A21-443-040	C-IC, M62495AFP		C114	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A21-145-040	IC BA4560F For 2 CH OPE. AMP		C115	87-010-112-080		CAP, E 100-16 M 11L SME
	87-A21-928-010	IC LC72131D (Z) [SANYO]		C116	87-010-101-080		CAP, E 220-16 M SME
	87-A20-913-010	IC, LA1837NL		C117	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A21-756-010	IC, LA4629		C118	87-010-263-080		CAP, E 100-10 M 11L SME
	87-A21-093-010	IC, LA6541D		C120	87-010-545-080		CAP, E 0.22-50 M 11L SME
	8B-CLA-610-010	IC, LC867248A-5T90		C121	87-010-401-080		CAP, E 1-50 M 11L SME
	87-A21-245-010	IC, RPM6938-V4		C122	87-010-401-080		CAP, E 1-50 M 11L SME
				C125	87-010-401-080		CAP, E 1-50 M 11L SME
				C126	87-010-401-080		CAP, E 1-50 M 11L SME
				C129	87-A10-831-090		Elect Cap. 1000uF +/-20% 25V
TRANSISTOR				C130	87-A10-831-090		Elect Cap. 1000uF +/-20% 25V
	89-505-434-540	C-FET, 2SK543 (4/5)<141EZ>		C131	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A30-257-080	C-TR 2SD1306E (200mw) [CDIL]<141EZ>		C132	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A30-287-040	C-TR DTC114TK (0.2W) [ROHM]		C133	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	89-327-143-080	C-TR, 2SC2714O		C134	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A30-432-040	C-TR, DTC124XK (0.2W)		C135	87-010-405-080		CAP, E 10-50 M 11L SME
	86-NFZ-664-080	C-TR, DTC143TK		C136	87-010-404-080		CAP, E 4.7-50 M 11L SME
	87-026-210-040	C-TR, DTC144EK (200MW)		C139	87-010-401-080		CAP, E 1-50 M 11L SME
	87-A30-074-080	C-TR, RT1P 141C<141EZ>		C140	87-010-401-080		CAP, E 1-50 M 11L SME
	87-A30-072-080	C-TR, RT1P 144C		C141	87-010-405-080		CAP, E 10-50 M 11L SME
	87-A30-091-080	FET, 2SJ460		C142	87-010-405-080		CAP, E 10-50 M 11L SME
	87-A30-492-080	TR 2SC5343G [AUK] [AIWA]		C143	87-010-405-080		CAP, E 10-50 M 11L SME
	89-112-965-080	TR, 2SA1296GR		C144	87-010-405-080		CAP, E 10-50 M 11L SME
	87-A30-515-080	TR, 2SA1979O/Y		C145	87-010-404-080		CAP, E 4.7-50 M 11L SME
	87-A30-151-080	TR, 2SA1993F		C146	87-010-404-080		CAP, E 4.7-50 M 11L SME
	89-109-332-380	TR, 2SA933S-S (300mw)		C147	87-010-408-080		Cap. 47uF M ELEC. 50V P=5mm
	89-109-521-080	TR, 2SA952K		C148	87-010-408-080		Cap. 47uF M ELEC. 50V P=5mm
	S1-911-240-000	TR, 2SB1240		C151	87-010-545-080		CAP, E 0.22-50 M 11L SME
	89-320-011-080	TR, 2SC2001K		C152	87-010-545-080		CAP, E 0.22-50 M 11L SME
	89-333-317-080	TR, 2SC3331TU		C153	87-010-545-080		CAP, E 0.22-50 M 11L SME
	87-A30-185-010	TR, 2SD1381F		C154	87-010-545-080		CAP, E 0.22-50 M 11L SME
	89-418-580-080	TR, 2SD1858TV<161LH, 161HA>		C158	87-010-263-080		CAP, E 100-10 M 11L SME
	87-026-291-080	TR, DTC124XS (0.3W)AI		C159	87-010-182-080		C-CAP, S 2200P-50 K B C2012
	87-026-218-080	TR, DTC144ES		C160	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-026-313-080	TR, DTC343TS		C161	87-010-263-080		CAP, E 100-10 M 11L SME
	87-A30-476-010	TR, KTA1046Y		C162	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-026-610-080	TR, KTC3198GR		C166	87-012-368-080		C-CAP, S 0.1UF-50V K X7R
	87-CD7-603-080	TR, S8050		C169	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A30-196-080	Transistor 2SC4115SR (400MW)<141EZ>		C170	87-010-112-080		CAP, E 100-16 M 11L SME
				C171	87-010-384-080		Elect. Cap. 100UF +/-20% 25V Pi
DIODE				C173	87-018-131-080		CAP, TC U 1000P-50 K B UP050
	87-020-027-080	C-DIODE, 1SS184		C174	87-012-368-080		C-CAP, S 0.1UF-50V K X7R
	87-A40-270-080	C-DIODE, MC2838<141EZ>		C175	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-A40-393-090	Diode 1N5402-BD54 [RECTRON]		C176	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
	87-020-465-080	DIODE, 1SS133		C177	87-010-248-080		CAP, E 220-10 M 11L SME
	87-070-335-080	Zener Diode MTZJ8.2B, 26mm TAPE		C303	87-010-180-080		C-CAP, S 1500P-50 K B C2012
	87-A40-442-080	ZENER DIODE MTZJ9.1A 1/2W. AI		C304	87-010-180-080		C-CAP, S 1500P-50 K B C2012
	87-070-334-080	ZENER, MTZJ10B		C305	87-010-263-080		CAP, E 100-10 M 11L SME
	87-070-136-080	ZENER, MTZJ5.1B		C306	87-010-263-080		CAP, E 100-10 M 11L SME
	87-A40-234-080	ZENER, MTZJ5.6A<141EZ>		C307	87-010-830-080		C-CAP, U 0.068uF-16V K X7R
	87-017-932-080	ZENER, MTZJ6.2B		C308	87-010-830-080		C-CAP, U 0.068uF-16V K X7R
	87-A40-290-080	Vari-Cap. Diode 3KV1590 [MI TY		C309	87-010-188-080		C-CAP, S 6800P-50 K B C2012
MAIN C. B<141EZ>				C310	87-010-188-080		C-CAP, S 6800P-50 K B C2012
C101	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C312	87-010-401-080		CAP, E 1-50 M 11L SME
C102	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C313	87-010-401-080		CAP, E 1-50 M 11L SME
C103	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C314	87-010-401-080		CAP, E 1-50 M 11L SME
C104	87-010-404-080	CAP, E 4.7-50 M 11L SME		C315	87-010-401-080		CAP, E 1-50 M 11L SME
C105	87-010-403-080	CAP, E 3.3-50 M 11L SME		C316	87-010-182-080		C-CAP, S 2200P-50 K B C2012
C106	87-010-192-080	C-CAP, S 0.022-50 Z F C2012		C317	87-010-182-080		C-CAP, S 2200P-50 K B C2012
C107	87-010-192-080	C-CAP, S 0.022-50 Z F C2012		C318	87-A12-364-080		Cap. 0.01 uF K Mylar 100V AI
C108	87-010-192-080	C-CAP, S 0.022-50 Z F C2012		C319	87-A12-364-080		Cap. 0.01 uF K Mylar 100V AI
C109	87-010-192-080	C-CAP, S 0.022-50 Z F C2012		C320	87-A10-295-080		Cap. 0.01UF J Mylar 50V AI
				C321	87-A10-295-080		Cap. 0.01UF J Mylar 50V AI
				C322	87-010-321-080		C-CAP, S 82P-50 J CH
				C323	87-010-321-080		C-CAP, S 82P-50 J CH

ELECTRICAL MAIN PARTS LIST-2/5

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C324	87-010-112-080	CAP,E 100-16 M 11L SME		C782	87-010-405-080	CAP,E 10-50 M 11L SME	
C325	87-010-112-080	CAP,E 100-16 M 11L SME		C783	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C326	87-010-192-080	C-CAP,S 0.022-50 Z F C2012		C784	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C327	87-010-183-080	C-CAP,S 2700P-50 K B GRM		C785	87-010-401-080	CAP,E 1-50 M 11L SME	
C328	87-010-183-080	C-CAP,S 2700P-50 K B GRM		C786	87-010-401-080	CAP,E 1-50 M 11L SME	
C329	87-010-183-080	C-CAP,S 2700P-50 K B GRM		C787	87-012-287-080	C-CAP,U 0.015-25 Z F	
C331	87-010-382-080	CAP,E 22-25 M 11L SME		C788	87-012-287-080	C-CAP,U 0.015-25 Z F	
C332	87-010-187-080	C-CAP,S 5600P-50 K B		C789	87-012-275-080	C-CAP,U 1200P-50 K B GRM	
C333	87-010-178-080	C-CAP,S 1000P-50 K B C2012		C790	87-012-275-080	C-CAP,U 1200P-50 K B GRM	
C335	87-012-158-080	C-CAP,S 390P-50 J CH GRM		C791	87-010-405-080	CAP,E 10-50 M 11L SME	
C336	87-012-158-080	C-CAP,S 390P-50 J CH GRM		C793	87-012-273-080	C-CAP, U 820P-50V K X7R	
C337	87-010-192-080	C-CAP,S 0.022-50 Z F C2012		C794	87-010-406-080	CAP,E 22-50 M 11L SME	
C338	87-012-140-080	C-CAP,S 470P-50 J CH		C795	87-010-596-080	C-CAP,S 0.047-16 K R C2012	
C339	87-010-405-080	CAP,E 10-50 M 11L SME		C796	87-010-403-080	CAP,E 3.3-50 M 11L SME	
C340	87-010-405-080	CAP,E 10-50 M 11L SME		C797	87-012-276-080	C-CAP,U 1500P-50 K B	
C341	87-010-318-080	C-CAP,S 47P-50 J CH GRM		C798	87-012-276-080	C-CAP,U 1500P-50 K B	
C342	87-010-318-080	C-CAP,S 47P-50 J CH GRM		C799	87-010-829-080	C-CAP, U 0.047-16 Z F	
C345	87-012-272-080	C-CAP, U 680P-50V K X7R		C812	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C346	87-012-272-080	C-CAP, U 680P-50V K X7R		C814	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C350	87-010-374-080	CAP,E 47-10 M 11L SME		C820	87-010-260-080	CAP,E 47-25 M 11L SME	
C351	87-010-234-040	Cap. 47UF M Elec. 16V P=5mm		C821	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C354	87-012-268-080	C-CAP, U 330P-50V J COG		C822	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C355	87-012-268-080	C-CAP, U 330P-50V J COG		C823	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C701	87-010-381-080	CAP,E 330-16 M SME		C824	87-012-172-080	C-CAP,U 10P-50 D CH	
C702	87-010-404-080	CAP,E 4.7-50 M 11L SME		C828	87-010-196-080	C-CAP,S 0.1-25 Z F C2012	
C703	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C829	87-010-196-080	C-CAP,S 0.1-25 Z F C2012	
C704	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C909	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C709	87-012-195-080	C-CAP,U 100P-50 J CH		C910	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C711	87-010-263-080	CAP,E 100-10 M 11L SME		C940	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C712	87-010-831-080	C-CAP,U 0.1-16 Z F		C942	87-012-172-080	C-CAP,U 10P-50 D CH	
C713	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C947	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C714	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C949	87-A10-039-080	C-CAP,U 470P-50 J CH	
C715	87-012-195-080	C-CAP,U 100P-50 J CH		C952	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C717	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C958	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R	
C719	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		C959	87-010-831-080	C-CAP,U 0.1-16 Z F	
C720	87-012-195-080	C-CAP,U 100P-50 J CH		C960	87-010-196-080	C-CAP,S 0.1-25 Z F C2012	
C721	87-012-176-080	C-CAP,U 15P-50 J CH		C962	87-010-401-080	CAP,E 1-50 M 11L SME	
C722	87-012-176-080	C-CAP,U 15P-50 J CH		CF801	87-008-423-010	FLTR,CF SPE10.7MS3G-A	
C723	87-012-274-080	C-CAP,U 1000P-50 K B		CF802	82-785-747-010	CF MS2 GLY R	
C725	87-018-131-080	CAP,TC U 1000P-50 K B UP050		CN101	88-NF9-658-010	CONN,30P BLK TYK-B(P)	
C727	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		CN301	87-099-832-010	CONN,8P V S2M-8W	
C728	87-010-248-080	CAP,E 220-10 M 11L SME		△F101	87-035-457-010	FUSE,3.15A 250V T 218	
C729	87-012-274-080	C-CAP,U 1000P-50 K B		FC101	87-033-213-080	FUSE CLAMP,PFC5000	
C731	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		FC102	87-033-213-080	FUSE CLAMP,PFC5000	
C752	87-012-284-080	C-CAP,U 6800P-50 K B GRM		FFE801	A8-62A-19C-170	6ZA-1 YFENC	
C753	87-012-195-080	C-CAP,U 100P-50 J CH		J101	8A-CLA-624-010	JACK,PIN 3P AUX	
C755	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		J102	87-A60-754-010	Speaker Terminal 4 pins Push t	
C756	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		J103	87-A60-420-010	Stereo Headphone Jack (DC:34V/	
C757	87-012-188-080	C-CAP,U 47P-50 J CH		J104	87-099-608-010	DC JACK HEC3800 (500V)	
C758	87-012-167-080	C-CAP,U 5P-50 C CH		J801	87-A60-880-010	TERMINAL,ANT-PAL 2P MSP-313V-0	
C761	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		L101	87-005-366-010	COIL,1UH K	
C762	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		L102	87-005-366-010	COIL,1UH K	
C763	87-010-829-080	C-CAP,U 0.047-16 Z F		L104	87-005-676-080	COIL,2.2UH K LF5.0S	
C764	87-012-337-080	C-CAP, U 150P-50V J COG		L301	87-007-342-010	COIL OSC 85K BIAS	
C765	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		L771	87-A50-266-010	COIL,FM DET-2N(TOK)	
C766	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		L772	87-A90-733-010	FLTR,PCFAZH-450 (TOK)	
C768	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		L773	S6-047-410-000	AN ANT COIL PIN:4-5:99T	
C769	87-010-260-080	CAP,E 47-25 M 11L SME		L774	S6-047-510-000	AM OSC COIL PIN:5-4:21T	
C770	87-010-829-080	C-CAP,U 0.047-16 Z F		L781	87-005-847-080	COIL,2.2UH K CECS	
C771	87-010-383-080	CAP,E 33-25 M 11L SME		L832	87-005-847-080	COIL,2.2UH K CECS	
C772	87-010-829-080	C-CAP,U 0.047-16 Z F		L941	87-A50-020-010	COIL,ANT LW (COI) 252KHZ	
C773	87-010-196-080	C-CAP,S 0.1-25 Z F C2012		L942	87-A50-019-010	COIL,OSC LW (COI) 856KHZ	
C774	87-010-263-080	CAP,E 100-10 M 11L SME		△PR100	87-A91-940-080	PROTECTOR,2.5A 20P 60V	
C775	87-010-405-080	CAP,E 10-50 M 11L SME		R118	SR-F82-000-25N	RES,FUSE 82-1/2W J	
C776	87-A12-310-080	C-CAP, U 0.01UF-50V K X7R		TC942	87-011-164-010	TRIMMER,CER 30P 4.5X3.9 VCT31	
C777	87-010-400-080	CAP,E 0.47-50 M 11L SME		WH101	87-099-043-010	CONN 2P EH	
C778	87-010-401-080	CAP,E 1-50 M 11L SME		X721	87-A70-061-010	VIB,XTAL 4.500MHZ CSA-309	
C779	87-010-401-080	CAP,E 1-50 M 11L SME					
C780	87-010-196-080	C-CAP,S 0.1-25 Z F C2012					
C781	87-010-405-080	CAP,E 10-50 M 11L SME					

MAIN C.B<161LH,161HA>

ELECTRICAL MAIN PARTS LIST-3/5

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C101	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C318	87-A12-364-080		Cap. 0.01 uF K Mylar 100V AI
C102	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C319	87-A12-364-080		Cap. 0.01 uF K Mylar 100V AI
C103	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C320	87-A10-295-080		Cap. 0.01UF J Mylar 50V AI
C104	87-010-404-080		CAP,E 4.7-50 M 11L SME	C321	87-A10-295-080		Cap. 0.01UF J Mylar 50V AI
C105	87-010-403-080		CAP,E 3.3-50 M 11L SME	C322	87-010-321-080		C-CAP,S 82P-50 J CH
C106	87-010-192-080		C-CAP,S 0.022-50 Z F C2012	C323	87-010-321-080		C-CAP,S 82P-50 J CH
C107	87-010-192-080		C-CAP,S 0.022-50 Z F C2012	C324	87-010-112-080		CAP,E 100-16 M 11L SME
C108	87-010-192-080		C-CAP,S 0.022-50 Z F C2012	C325	87-010-112-080		CAP,E 100-16 M 11L SME
C109	87-010-192-080		C-CAP,S 0.022-50 Z F C2012	C326	87-010-192-080		C-CAP,S 0.022-50 Z F C2012
C110	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C327	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C111	87-016-440-090		CAP,E 4700-35V SME	C328	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C112	87-012-140-080		C-CAP,S 470P-50 J CH	C329	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C113	87-010-408-080		Cap. 47uF M ELEC. 50V P=5mm	C331	87-010-382-080		CAP,E 22-25 M 11L SME
C114	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C332	87-010-187-080		C-CAP,S 5600P-50 K B
C115	87-010-112-080		CAP,E 100-16 M 11L SME	C333	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C116	87-010-101-080		CAP,E 220-16 M SME	C335	87-012-158-080		C-CAP,S 390P-50 J CH GRM
C117	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C336	87-012-158-080		C-CAP,S 390P-50 J CH GRM
C118	87-010-263-080		CAP,E 100-10 M 11L SME	C337	87-010-192-080		C-CAP,S 0.022-50 Z F C2012
C120	87-010-545-080		CAP,E 0.22-50 M 11L SME	C338	87-012-140-080		C-CAP,S 470P-50 J CH
C121	87-010-401-080		CAP,E 1-50 M 11L SME	C339	87-010-405-080		CAP,E 10-50 M 11L SME
C122	87-010-401-080		CAP,E 1-50 M 11L SME	C340	87-010-405-080		CAP,E 10-50 M 11L SME
C125	87-010-401-080		CAP,E 1-50 M 11L SME	C341	87-010-318-080		C-CAP,S 47P-50 J CH GRM
C126	87-010-401-080		CAP,E 1-50 M 11L SME	C342	87-010-318-080		C-CAP,S 47P-50 J CH GRM
C129	87-A10-831-090		Elect Cap. 1000uF +/-20% 25V	C345	87-012-272-080		C-CAP, U 680P-50V K X7R
C130	87-A10-831-090		Elect Cap. 1000uF +/-20% 25V	C346	87-012-272-080		C-CAP, U 680P-50V K X7R
C131	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C350	87-010-374-080		CAP,E 47-10 M 11L SME
C132	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C351	87-010-234-040		Cap. 47UF M Elec. 16V P=5mm
C133	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C354	87-012-268-080		C-CAP, U 330P-50V J C0G
C134	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C355	87-012-268-080		C-CAP, U 330P-50V J C0G
C135	87-010-405-080		CAP,E 10-50 M 11L SME	C701	87-010-381-080		CAP,E 330-16 M SME
C136	87-010-404-080		CAP,E 4.7-50 M 11L SME	C702	87-010-404-080		CAP,E 4.7-50 M 11L SME
C139	87-010-401-080		CAP,E 1-50 M 11L SME	C703	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C140	87-010-401-080		CAP,E 1-50 M 11L SME	C704	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C141	87-010-405-080		CAP,E 10-50 M 11L SME	C709	87-012-195-080		C-CAP, U 100P-50 J CH
C142	87-010-405-080		CAP,E 10-50 M 11L SME	C711	87-010-263-080		CAP,E 100-10 M 11L SME
C143	87-010-405-080		CAP,E 10-50 M 11L SME	C712	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C144	87-010-405-080		CAP,E 10-50 M 11L SME	C714	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C145	87-010-404-080		CAP,E 4.7-50 M 11L SME	C717	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C146	87-010-404-080		CAP,E 4.7-50 M 11L SME	C719	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C147	87-010-408-080		Cap. 47uF M ELEC. 50V P=5mm	C720	87-012-195-080		C-CAP,U 100P-50 J CH
C148	87-010-408-080		Cap. 47uF M ELEC. 50V P=5mm	C721	87-012-176-080		C-CAP,U 15P-50 J CH
C151	87-010-545-080		CAP,E 0.22-50 M 11L SME	C722	87-012-176-080		C-CAP,U 15P-50 J CH
C152	87-010-545-080		CAP,E 0.22-50 M 11L SME	C723	87-012-274-080		C-CAP,U 1000P-50 K B
C153	87-010-545-080		CAP,E 0.22-50 M 11L SME	C725	87-012-274-080		C-CAP,U 1000P-50 K B
C154	87-010-545-080		CAP,E 0.22-50 M 11L SME	C727	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C158	87-010-263-080		CAP,E 100-10 M 11L SME	C728	87-010-248-080		CAP,E 220-10 M 11L SME
C159	87-010-182-080		C-CAP,S 2200P-50 K B C2012	C729	87-012-274-080		C-CAP,U 1000P-50 K B
C160	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C731	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C161	87-010-263-080		CAP,E 100-10 M 11L SME	C756	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C162	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C757	87-012-188-080		C-CAP,U 47P-50 J CH
C166	87-012-368-080		C-CAP, S 0.1UF-50V K X7R	C758	87-012-167-080		C-CAP,U 5P-50 C CH
C169	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C763	87-010-596-080		CAP,S 0.047-16
C170	87-010-112-080		CAP,E 100-16 M 11L SME	C764	87-012-337-080		C-CAP,U 56P-50 J CH GRM
C171	87-010-384-080		Elect. Cap.100UF +/-20% 25V Pi	C765	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C173	87-018-131-080		CAP,TC U 1000P-50 K B UP050	C768	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C177	87-010-248-080		CAP,E 220-10 M 11L SME	C769	87-010-260-080		CAP,E 47-25 M 11L SME
C303	87-010-180-080		C-CAP,S 1500P-50 K B C2012	C770	87-010-596-080		CAP,S 0.047-16
C304	87-010-180-080		C-CAP,S 1500P-50 K B C2012	C771	87-010-383-080		CAP,E 33-25 M 11L SME
C305	87-010-263-080		CAP,E 100-10 M 11L SME	C772	87-010-596-080		CAP,S 0.047-16
C306	87-010-263-080		CAP,E 100-10 M 11L SME	C773	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C307	87-010-830-080		C-CAP,U 0.068uF-16V K X7R	C774	87-010-263-080		CAP,E 100-10 M 11L SME
C308	87-010-830-080		C-CAP,U 0.068uF-16V K X7R	C775	87-010-405-080		CAP,E 10-50 M 11L SME
C309	87-010-188-080		C-CAP,S 6800P-50 K B C2012	C776	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R
C310	87-010-188-080		C-CAP,S 6800P-50 K B C2012	C777	87-010-400-080		CAP,E 0.47-50 M 11L SME
C312	87-010-401-080		CAP,E 1-50 M 11L SME	C778	87-010-401-080		CAP,E 1-50 M 11L SME
C313	87-010-401-080		CAP,E 1-50 M 11L SME	C779	87-010-401-080		CAP,E 1-50 M 11L SME
C314	87-010-401-080		CAP,E 1-50 M 11L SME	C780	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C315	87-010-401-080		CAP,E 1-50 M 11L SME	C781	87-010-405-080		CAP,E 10-50 M 11L SME
C316	87-010-182-080		C-CAP,S 2200P-50 K B C2012	C782	87-010-405-080		CAP,E 10-50 M 11L SME
C317	87-010-182-080		C-CAP,S 2200P-50 K B C2012	C783	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R

ELECTRICAL MAIN PARTS LIST-4/5

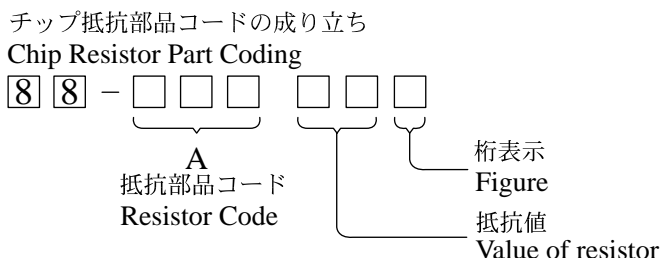
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C784	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	CN202	87-A60-404-010		CONN,3P TKX-P03P-F1
C785	87-010-401-080		CAP,E 1-50 M 11L SME	FB201	87-A90-562-010		F-BCAD 843556 TB36 TAPING 52mm
C786	87-010-401-080		CAP,E 1-50 M 11L SME	L201	87-005-676-080		COIL,2.2UH K LF5.0S
C789	87-012-275-080		C-CAP,U 1200P-50 K B GRM	L202	87-A50-083-080		COIL,47UH (CECS)
C790	87-012-275-080		C-CAP,U 1200P-50 K B GRM	LCD201	8Z-CL8-665-110		LCD,ZCL-8
C791	87-010-405-080		CAP,E 10-50 M 11L SME	S200	87-A90-095-080		SW,TACT EVQ11G04M
C793	87-012-273-080		C-CAP,U 820P-50 K B	S201	87-A90-095-080		SW,TACT EVQ11G04M
C794	87-010-406-080		CAP,E 22-50 M 11L SME	S202	87-A90-095-080		SW,TACT EVQ11G04M
C795	87-010-596-080		CAP,S 0.047-16	S203	87-A90-095-080		SW,TACT EVQ11G04M
C796	87-010-403-080		CAP,E 3.3-50 M 11L SME	S204	87-A90-095-080		SW,TACT EVQ11G04M
C797	87-012-276-080		C-CAP,U 1500P-50 K B	S205	87-A90-095-080		SW,TACT EVQ11G04M
C798	87-012-276-080		C-CAP,U 1500P-50 K B	S206	87-A90-095-080		SW,TACT EVQ11G04M
C799	87-010-596-080		CAP,S 0.047-16	S207	87-A90-095-080		SW,TACT EVQ11G04M
C812	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	S208	87-A90-095-080		SW,TACT EVQ11G04M
C820	87-010-260-080		CAP,E 47-25 M 11L SME	S209	87-A90-095-080		SW,TACT EVQ11G04M
C821	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	S213	87-A90-095-080		SW,TACT EVQ11G04M
C822	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	S214	87-A90-095-080		SW,TACT EVQ11G04M
C823	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	S215	87-A90-095-080		SW,TACT EVQ11G04M
C828	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S216	87-A90-095-080		SW,TACT EVQ11G04M
C829	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S217	87-A90-095-080		SW,TACT EVQ11G04M
C959	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S218	87-A90-095-080		SW,TACT EVQ11G04M
C960	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	S219	87-A90-095-080		SW,TACT EVQ11G04M
C961	87-012-166-080		C-CAP, U 4 P-50V C COG	X201	87-030-364-010		VIB,XTAL 32.768K CT
C963	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	X202	87-030-376-080		VIB,CER 5.760MHZ CSA MG200
CF801	87-008-261-010		FLTR,CF SFE10.7MA5				
CF802	87-008-261-010		FLTR,CF SFE10.7MA5	CD C.B			
CN101	88-NF9-658-010		CONN,30P BLK TYK-B(P)	C401	87-010-403-080		CAP,E 3.3-50 M 11L SME
CN301	87-099-832-010		CONN,8P V S2M-8W	C402	87-010-197-080		C-CAP,S 0.01-25 K B C2012
△FI101	87-035-457-010		FUSE,3.15A 250V T 218	C403	87-010-263-080		CAP,E 100-10 M 11L SME
FC101	87-033-213-080		FUSE CLAMP,PFC5000	C404	87-010-248-080		CAP,E 220-10 M 11L SME
FC102	87-033-213-080		FUSE CLAMP,PFC5000	C405	87-010-197-080		C-CAP,S 0.01-25 K B C2012
FFE801	A8-8ZA-192-070		8ZA-1 FEUNC (FM:12V) [AIWA]	C406	87-010-374-080		CAP,E 47-10 M 11L SME
J101	8A-CLA-624-010		JACK,PIN 3P AUX	C407	87-010-178-080		C-CAP,S 1000P-50 K B C2012
J102	87-A60-754-010		Speaker Terminal 4 pins Push t	C408	87-010-198-080		C-CAP,S 0.022-25 K B C2012
J103	87-A60-420-010		Stereo Headphone Jack (DC:34V/	C409	87-010-248-080		CAP,E 220-10 M 11L SME
J801	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02	C410	87-010-263-080		CAP,E 100-10 M 11L SME
JW718	87-A50-079-080		COIL,22UH (CECS)	C411	87-A11-177-080		C-CAP,S 0.15-16 K B
L101	87-005-366-010		COIL,1UH K	C412	87-010-401-080		CAP,E 1-50 M 11L SME
L102	87-005-366-010		COIL,1UH K	C413	87-016-369-080		C-CAP,S 0.033-25 K B GRM
L104	87-005-676-080		COIL,2.2UH K LF5.0S	C414	87-010-405-080		CAP,E 10-50 M 11L SME
L301	87-007-342-010		COIL OSC 85K BIAS	C415	87-012-368-080		C-CAP, S 0.1UF-50V K X7R
L771	87-A50-266-010		COIL FM DET-N (TOK)	C416	87-010-545-080		CAP,E 0.22-50 M 11L SME
L772	87-A90-733-010		FLTR,PCFAZH-450 (TOK)	C417	87-012-157-080		C-CAP,S 330P-50 J CH GRM
L773	S6-046-410-000		AM ANT COIL PIN : 3-1:15T	C418	87-010-213-080		C-CAP,S 0.015-25 K B GRM
L774	S6-046-410-000		AM OSC COIL PIN: 1-2:62T	C419	87-A10-201-080		C-CAP,S 0.33-16 K B
L781	87-005-676-080		COIL,2.2UH K LF5.0S	C420	87-016-369-080		C-CAP,S 0.033-25 K B GRM
△PRI100	87-A91-940-080		PROTECTOR,2.5A 20P 60V	C421	87-A11-177-080		C-CAP,S 0.15-16 K B
R118	SR-F82-000-25N		RES,FUSE 82-1/2W J	C422	87-010-184-080		C-CAP,S 3300P-50 K B C2012
WH101	87-099-043-010		CONN 2P EH	C423	87-010-992-080		C-CAP,S 0.047-25 K B MK212
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309	C424	87-016-460-080		C-CAP,S 0.22-16 K B
				C425	87-010-176-080		C-CAP,S 680P-50 J SL
FRONT C.B				C426	87-A10-201-080		C-CAP,S 0.33-16 K B
C201	87-010-375-080		CAP,E 330-10 M 11L SME	C428	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C202	87-010-805-080		C-CAP,S 1uF-16V Z CER.Y5V	C429	87-010-186-080		C-CAP,S 4700P-50 K B C2012
C203	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C430	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C204	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C431	87-010-545-080		CAP,E 0.22-50 M 11L SME
C205	87-012-156-080		C-CAP,S 220P-50 J CH GRM	C432	87-010-374-080		CAP,E 47-10 M 11L SME
C206	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C433	87-010-401-080		CAP,E 1-50 M 11L SME
C207	87-A12-310-080		C-CAP, U 0.01UF-50V K X7R	C434	87-010-184-080		C-CAP,S 3300P-50 K B C2012
C208	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C435	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C210	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C436	87-010-374-080		CAP,E 47-10 M 11L SME
C211	87-010-314-080		C-CAP,S 22P-50V	C437	87-010-404-080		CAP,E 4.7-50 M 11L SME
C212	87-010-321-080		C-CAP,S 82P-50 J CH	C438	87-012-368-080		C-CAP, S 0.1UF-50V K X7R
C213	87-012-168-080		C-CAP U 6 P-50V C CER. COG	C439	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C214	87-010-314-080		C-CAP,S 22P-50V	C441	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C215	87-012-176-080		C-CAP,U 15P-50 J CH	C442	87-010-313-080		C-CAP,S 18P-50 J CH GRM
C216	87-010-400-080		CAP,E 0.47-50 M 11L SME	C445	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C217	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	C446	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C218	87-010-405-080		CAP,E 10-50 M 11L SME	C447	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
CN201	87-099-720-010		CONN,30P BLK TYK-B(P)	C448	87-010-322-080		C-CAP,S 100P-50 J CH GRM

ELECTRICAL MAIN PARTS LIST-5/5

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C450	87-012-140-080		C-CAP,S 470P-50 J CH	FFC401	8B-CLB-601-010		FF-CABLE,16P 1.0 130MM
C451	87-012-156-080		C-CAP,S 220P-50 J CH GRM	L401	87-003-102-080		COIL,10UH J LAL02
C455	87-010-247-080		CAP,E 100-50 M SME	L403	87-A50-087-080		COIL,100UH (CECS)
C457	87-010-312-080		C-CAP,S 15P-50 J CH GRM	L404	87-A50-079-080		COIL,22UH (CECS)
C458	87-010-312-080		C-CAP,S 15P-50 J CH GRM	SFR430	87-024-437-080		SFR, 100K H NVZ6TLTA AI TAPING
C459	87-010-263-080		CAP,E 100-10 M 11L SME	X401	87-A70-046-010		VIB,XTAL 16.934MHZ
C460	87-015-819-080		C-CAP, 0.01-50 K B C3216				
C461	87-010-197-080		C-CAP,S 0.01-25 K B C2012				
C462	87-010-248-080		CAP,E 220-10 M 11L SME	LED C.B			
C463	87-012-348-080		Cap. 0.1uF Z CER. 50V F TYPE	D941	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C464	87-010-263-080		CAP,E 100-10 M 11L SME	D942	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C465	87-010-404-080		CAP,E 4.7-50 M 11L SME	D943	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C466	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	D944	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C467	87-010-263-080		CAP,E 100-10 M 11L SME	D945	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C469	87-012-154-080		C-CAP,S 150P-50 J CH GRM	D946	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C470	87-010-544-080		CAP,E 0.1-50 M 11L SME	D947	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C471	87-015-785-080		C-CAP, 0.1-25 Z F C3216	D948	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C472	87-015-785-080		C-CAP, 0.1-25 Z F C3216	D949	87-A40-365-080		LED LAMP Green SLR-342 MGT32
C473	87-015-785-080		C-CAP, 0.1-25 Z F C3216				
C474	87-015-785-080		C-CAP, 0.1-25 Z F C3216	AC C.B			
C475	87-010-197-080		C-CAP,S 0.01-25 K B C2012	△C219	87-010-197-080		C-CAP,S 0.01-25 K B C2012<141EZ>
C476	87-010-221-080		CAP,E 470-10 M SME	△C220	87-010-197-080		C-CAP,S 0.01-25 K B C2012<141EZ>
C477	87-010-197-080		C-CAP,S 0.01-25 K B C2012	CNA101	8A-CLA-630-010		CONN ASSY,2P PT
C478	87-010-263-080		CAP,E 100-10 M 11L SME	△PT101	8B-CLA-602-010		POWER TRANSFORMER EN60065<141EZ>
C479	87-010-197-080		C-CAP,S 0.01-25 K B C2012	△PT101	8B-CLA-604-010		POWER TRANSFORMER IEC-65<161LH,161HA>
C480	87-010-221-080		CAP,E 470-10 M SME	△SW001	87-A90-178-010		SW,SL 1-1-2 KUN<161LH,161HA>
C481	87-010-405-080		CAP,E 10-50 M 11L SME				
C482	87-010-405-080		CAP,E 10-50 M 11L SME	MOTOR C.B			
C489	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	M1	S0-M10-A09-700		MOTOR SLED ASSY
C490	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	PIN3	S2-369-750-000		PLUG, 6P
C491	87-010-197-080		C-CAP,S 0.01-25 K B C2012	SW1	S4-S13-A01-600		SW,LEAF
C492	87-010-221-080		CAP,E 470-10 M SME				
C494	87-012-348-080		Cap. 0.1uF Z CER. 50V F TYPE	DECK C.B			
C496	87-010-403-080		CAP,E 3.3-50 M 11L SME	CN1	87-009-352-010		CONN,9P PH H
C501	87-010-196-080		C-CAP,S 0.1-25 Z F C2012	CRD1	82-ZM1-625-010		RBN-CORD,4P-55
C502	87-010-322-080		C-CAP,S 100P-50 J CH GRM	M1	87-045-347-010		MOT,SHU2L 70
C503	87-010-322-080		C-CAP,S 100P-50 J CH GRM	SFR1	87-024-581-010		SFR,3.3K DIA6V KOA
C504	87-010-322-080		C-CAP,S 100P-50 J CH GRM	SOL1	82-ZM3-627-010		SOL ASSY,27 SO
C505	87-010-322-080		C-CAP,S 100P-50 J CH GRM	SW2	87-036-110-010		PUSH SWITCH
C506	87-010-322-080		C-CAP,S 100P-50 J CH GRM	SW3	87-036-110-010		PUSH SWITCH
C510	87-012-368-080		C-CAP, S 0.1UF-50V K X7R	SW4	87-036-110-010		PUSH SWITCH
CN401	87-A60-424-010		CONN,16P V TOC-B	SW5	87-036-110-010		PUSH SWITCH
CN402	87-A60-670-010		CONN,6P H 2MM JMT	SW6	87-A90-248-010		SW,MICRO ESE11SH2CXQ
CN403	87-A60-619-010		CONN,2P V 2MM JMT				
CNA203	8A-CLA-621-010		CONN ASSY,9P MOTOR				

- Regarding connectors, they are not stocked as they are not the initial order items. The connectors are available after they are supplied from connector manufacturers upon the order is received.

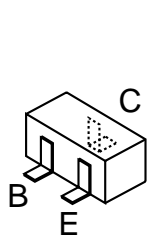
チップ抵抗部品コード/CHIP RESISTOR PART CODE



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	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

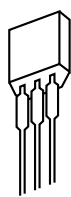
TRANSISTOR ILLUSTRATION-1/1



2SC2714
2SD1306
DTC114TK
DTC143TK
DTC144EK
RT1P141C
PT1P144C
DTC124XK



ECB
2SA1296
KTC3198



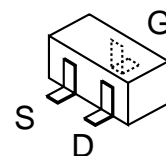
ECB
DTC124XS
DTC343TS
2SA1993F
DTC144ES
2SC3331



ECB
2SA933
2SC2001
SS8050
2SC4115SR
2SA1979
2SD1858TV
2SA952



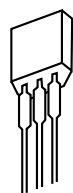
ECB
2SD1381



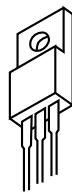
2SK543



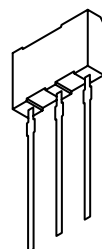
BCE
2SC5343G



SDG
2SJ460



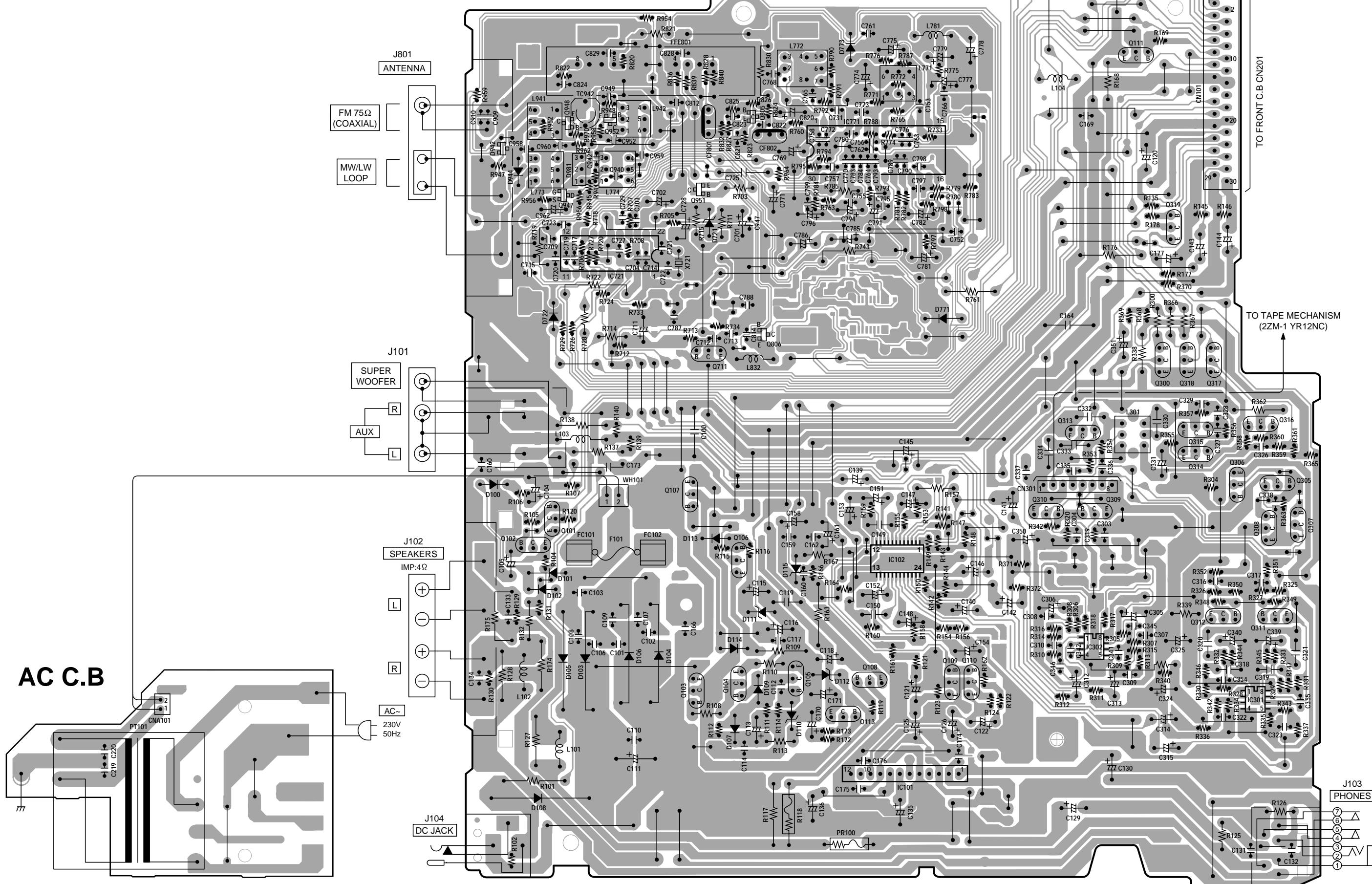
BCE
KTA1046



ECB
2SB1240

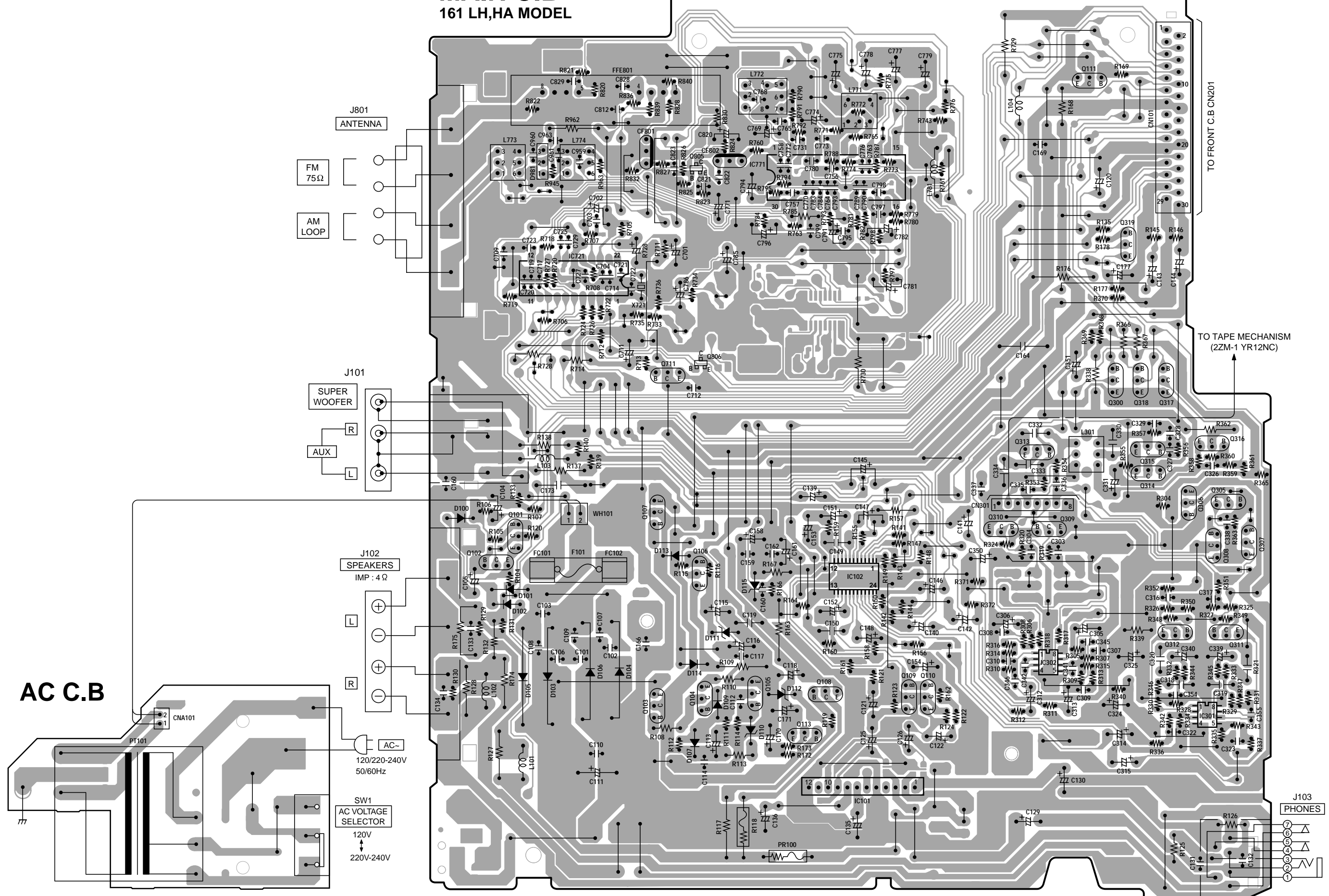
MAIN C.B

141EZ MODEL



MAIN C.B

161 LH, HA MODEL



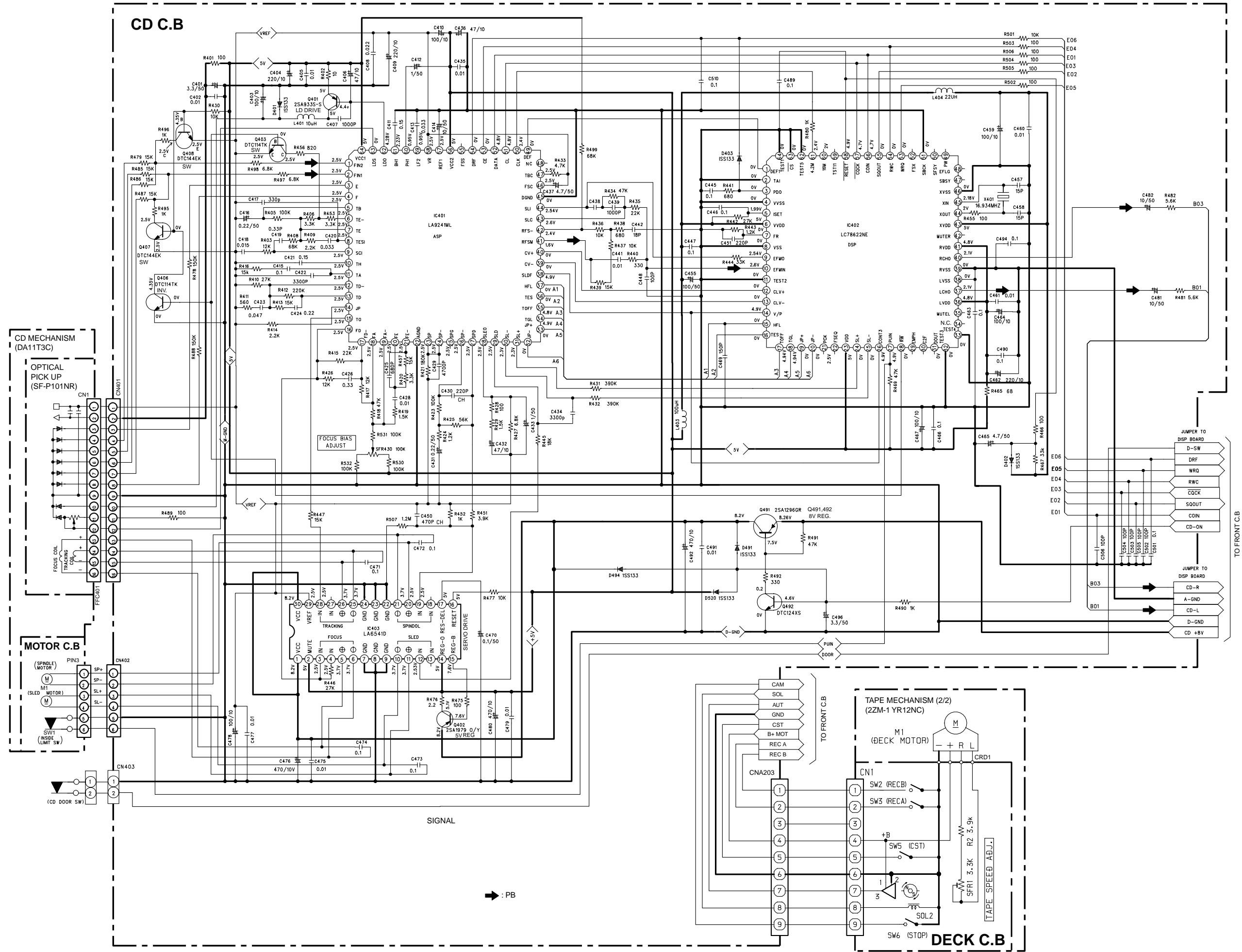
AC C.B

SW1
AC VOLTAGE
SELECTOR
120V
↕
220V-240V

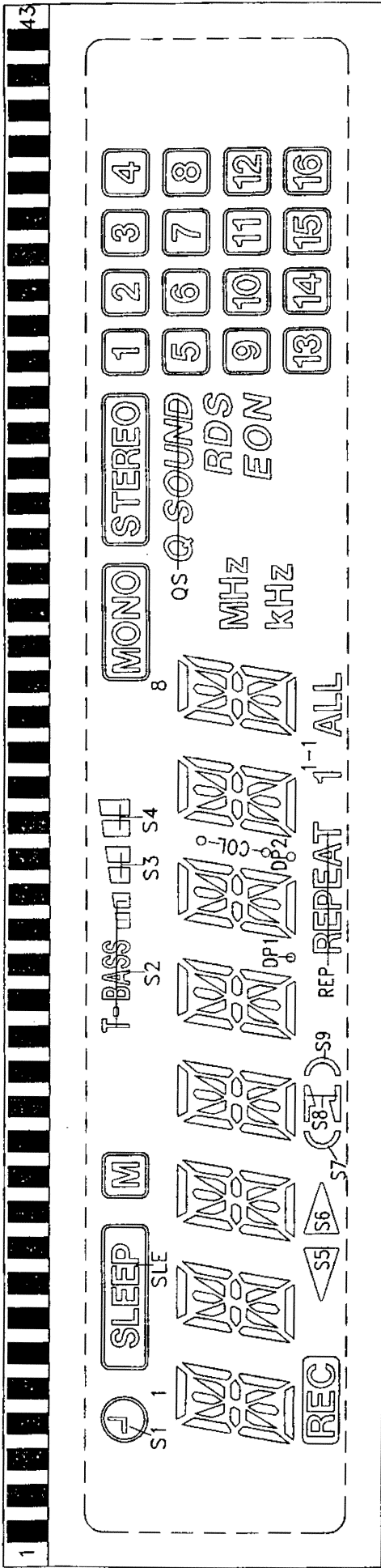
TO FRONT C.B CN201

TO TAPE MECHANISM
(2ZM-1 YR12NC)

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U

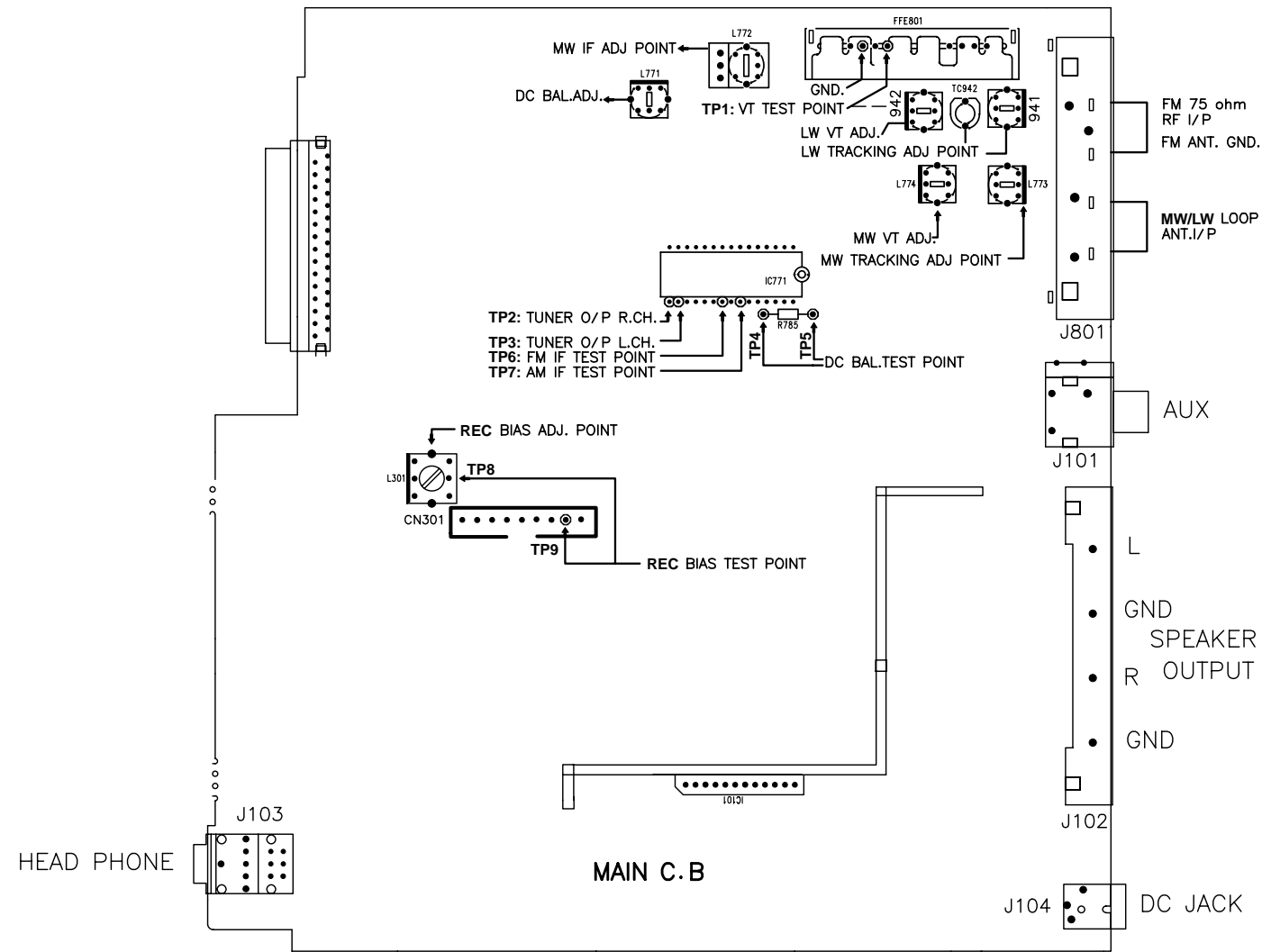


GRID ASSIGNMENT

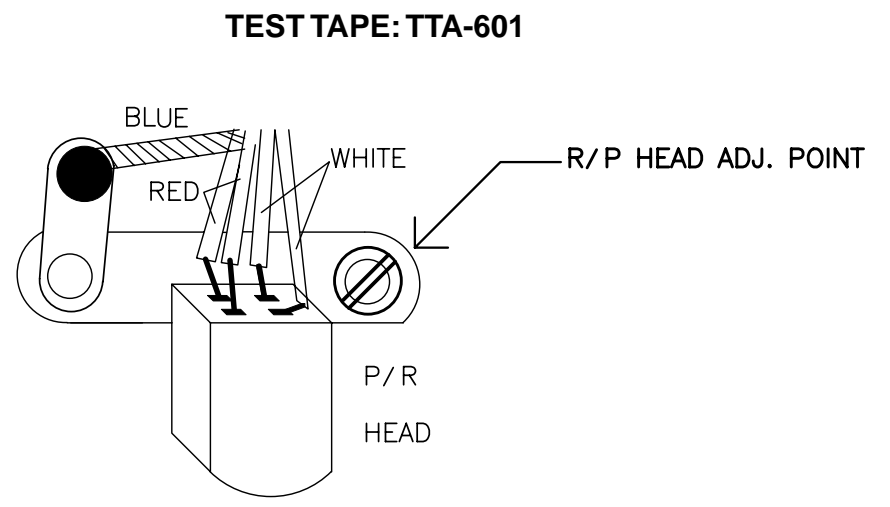
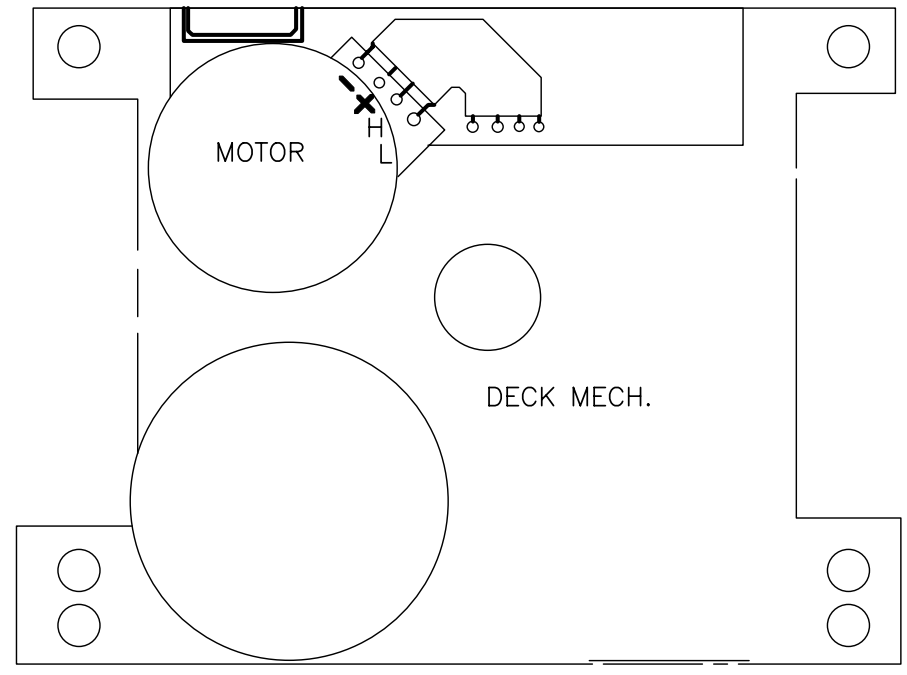


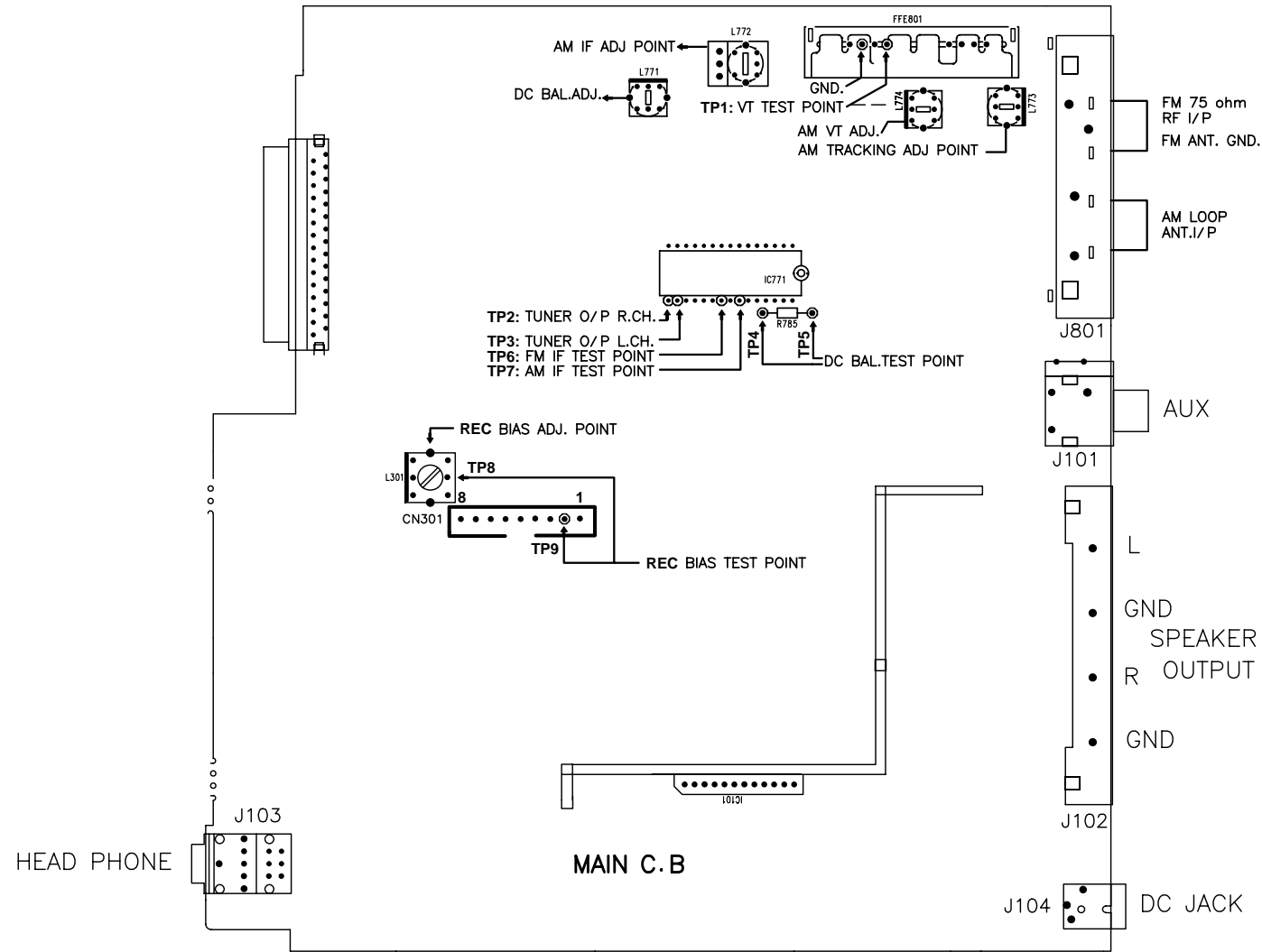
ANODE CONNECTION

PIN	COM1	COM2	COM3	COM4	PIN	COM1	COM2	COM3	COM4
1	1D	1E	1F	REC	23	6N	6G	6H	6I
2	1N	1G	1H	1I	24	6M	6K	6J	6A
3	1M	1K	1J	1A	25	6L	6C	6B	COL
4	1L	1C	1B	S1	26	7D	7E	7F	DP2
5	2D	2E	2F	S5	27	7N	7G	7H	7I
6	2N	2G	2H	2I	28	7M	7K	7J	7A
7	2M	2K	2J	2A	29	7L	7C	7B	/
8	2L	2C	2B	SLE	30	8D	8E	8F	REP
9	3D	3E	3F	S6	31	8N	8G	8H	8I
10	3N	3G	3H	3I	32	8M	8K	8J	8A
11	3M	3K	3J	3A	33	8L	8C	8B	MONO
12	3L	3C	3B	M	34	ALL	KHZ	MHz	1-1
13	4D	4E	4F	S7	35	EON	RDS	QS	STE
14	4N	4G	4H	4I	36	13	9	5	1
15	4M	4K	4J	4A	37	14	10	6	2
16	4L	4C	4B	/	38	15	11	7	3
17	5D	5E	5F	S8	39	16	12	8	4
18	5N	5G	5H	5I	40	/	/	/	COM4
19	5M	5K	5J	5A	41	/	/	COM3	/
20	5L	5C	5B	S9	42	/	COM2	/	/
21	DP1	S4	S3	S2	43	COM1	/	/	/
22	6D	6E	6F	/	/	/	/	/	/



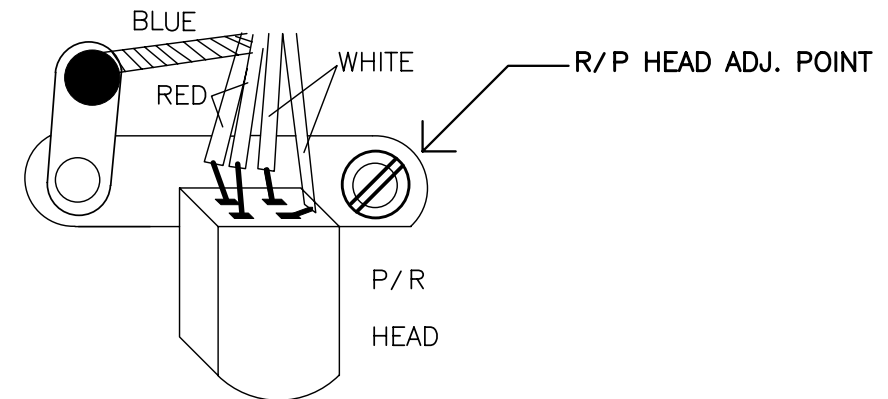
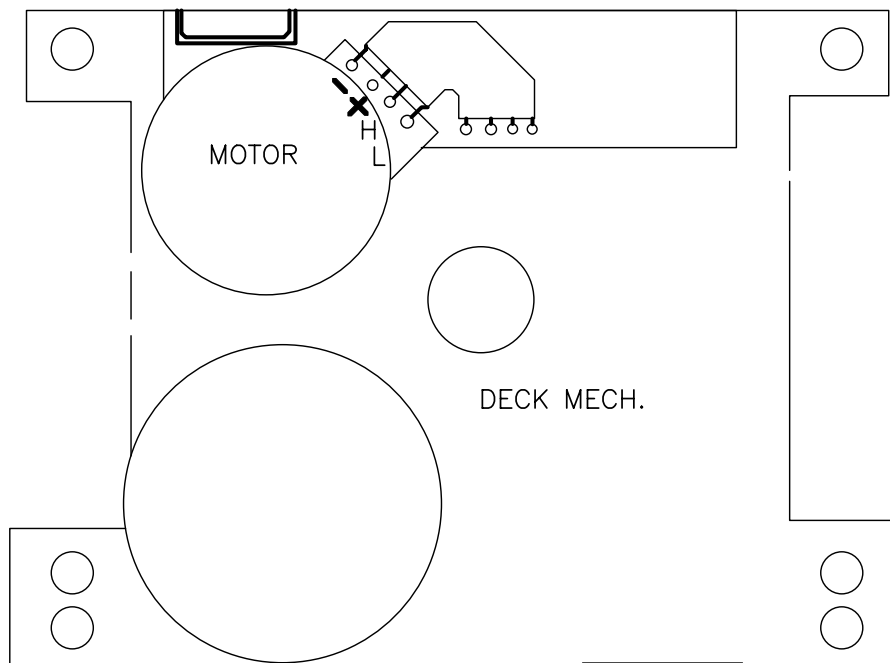
ADJUSTMENT ITEM	ADJ. POINT	TEST POINT	SET FREQ.	SETTING
MW VT ADJ.	L774	FFE801 4PIN TO GND.(TP1)	1602KHz	5.5V+/-0.1V
MW VT CHECK	-	FFE801 4PIN TO GND.(TP1)	531KHz OR 530KHz	<2V
MW TRACKING ADJ.	L773	TUNER O/P L/R (TP2,3)	1000 KHz	MAX. Output Sine Wave(Min. Dist.)
LW VT ADJ.	L942	FFE801 4PIN TO GND.(TP1)	290KHz	5.5 V+/-0.1V
LW VT CHECK	TEST ONLY	FFE801 4PIN TO GND.(TP1)	144KHz	<= 2.5V
LW TRACKING ADJ.	TC942	TUNER O/P L/R (TP2,3)	290KHz	MAX. Output Sine Wave(Min. Dist.)
	L941	TUNER O/P L/R (TP2,3)	144KHz	
FM VT ADJ.	-	FFE801 4PIN TO GND.(TP1)	108 MHz	<= 8V
FM VT CHECK	-	FFE801 4PIN TO GND.(TP1)	87.5MHz	<= 2.5V
DC BAL. ADJ.	L771	Both Terminal OF R785(TP4,5)	98 MHz	0 mv (+/- 20 mv)
FM IF CHECK	-	IC771 PIN 22 (TP6)	10.7 MHz	-
MWIF ADJ.	L772	IC771 PIN 24 (TP7)	450 KHz	-
REC. BIAS FREQ ADJ.	-	(TP8,9)	-	85KHz +/- 5KHz (With R/P HEAD)
REC. BIAS LEVEL ONLY CHECK	L301	(TP8,9)	-	(With R/P HEAD)
BEAT CUT ST / ON MONO/OFF	TEST ONLY	(TP8,9)	FM 98MHz Deck REC.	4 KHz +/- 1 KHz
TAPE SPEED	MOTOR	SPEAKER OUTPUT	-	3000Hz +3/-2%
DECK R/P HEAD ADJ.	R/P HEAD	SPEAKER OUTPUT	8 KHz TEST TAPE	-



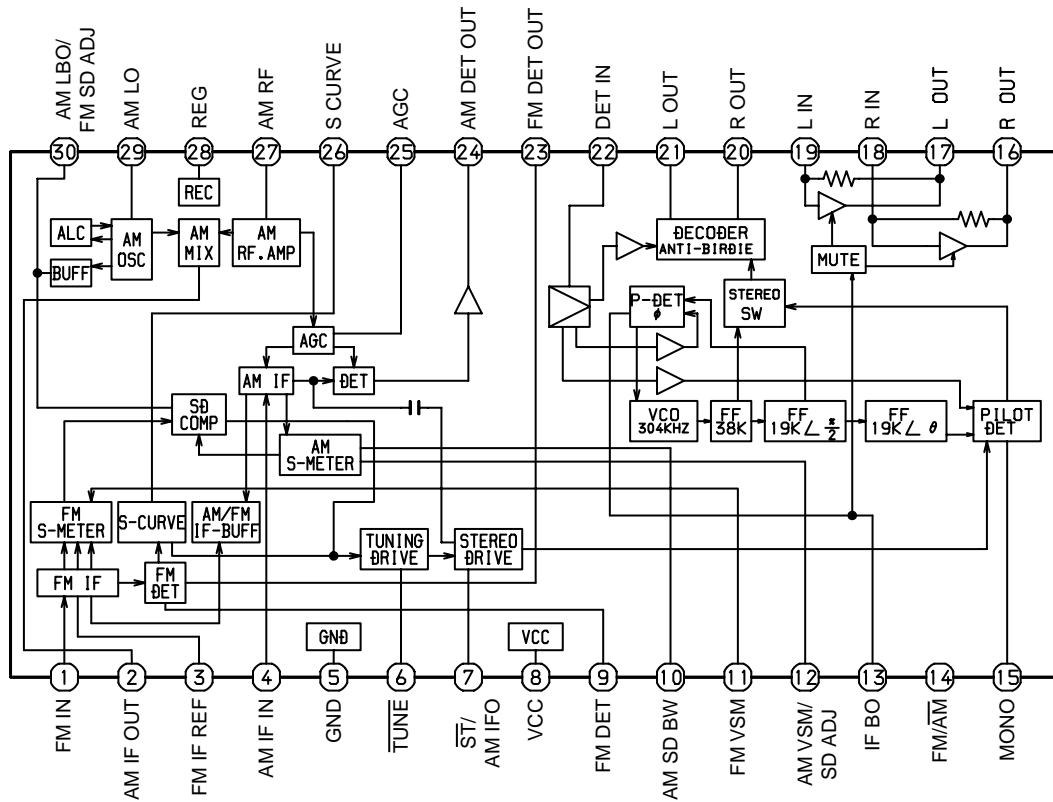


ADJUSTMENT ITEM	ADJ. POINT	TEST POINT	SET FREQ.	SETTING
AM VT ADJ.	L773	FFE801 4PIN TO GND.(TP1)	1602KHz OR 1710KHz	< 8.5V
AM VT CHECK	-	FFE801 4PIN TO GND.(TP1)	531KHz OR 530KHz	1.3V
AM TRACKING ADJ.	L774	TUNER O/P L/R(TP2,3)	999KHz OR 1000KHz	MAX.Output Sine Wave(Min.Dist.)
FM VT ADJ.	-	FFE801 4PIN TO GND.(TP1)	108 MHz	<= 8V
FM VT CHECK	-	FFE801 4PIN TO GND.(TP1)	87.5MHz	<= 2.5V
DC BAL. ADJ.	L771	Both Terminal OF R785(TP4,5)	98 MHz	0 mv (+/- 20 mv)
FM IF CHECK	-	IC771 PIN 22 (TP6)	10.7 MHz	-
AM IF ADJ.	L772	IC771 PIN 24 (TP7)	450 KHz	-
REC. BIAS FREQ ADJ.	-	(TP8,9)	-	85KHz +/- 5KHz (With R/P HEAD)
REC. BIAS LEVEL ONLY CHECK	L301	(TP8,9)	-	(With R/P HEAD)
BEAT CUT ST / ON MONO/OFF	TEST ONLY	(TP8,9)	FM 98MHz Deck REC.	4 KHz +/- 1 KHz
TAPE SPEED	MOTOR	SPEAKER OUTPUT	-	3000Hz +3/-2%
DECK R/P HEAD ADJ.	R/P HEAD	SPEAKER OUTPUT	8 KHz TEST TAPE	-

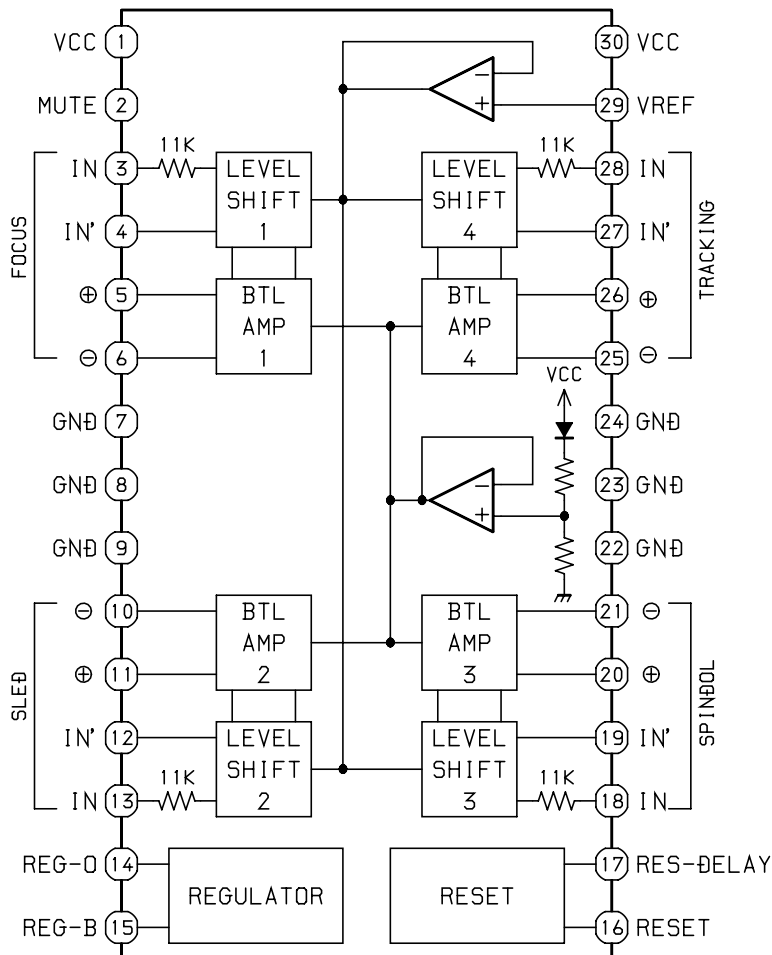
TEST TAPE: TTA-601



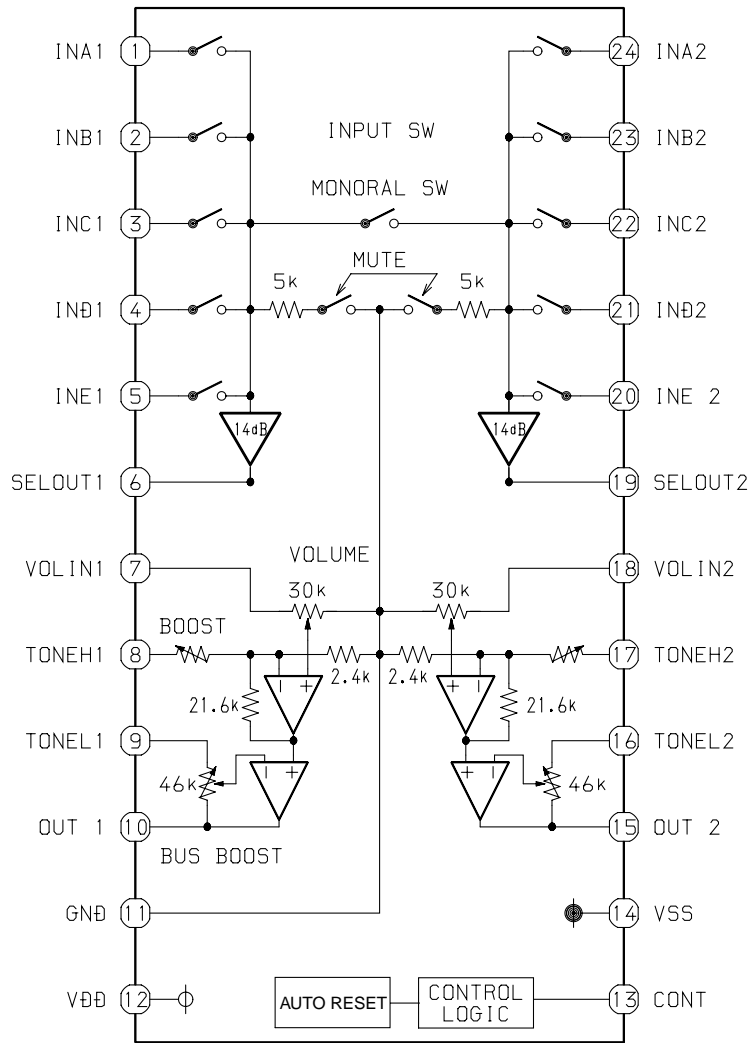
IC BLOCK DIAGRAM-1/2
IC, LA1837NL



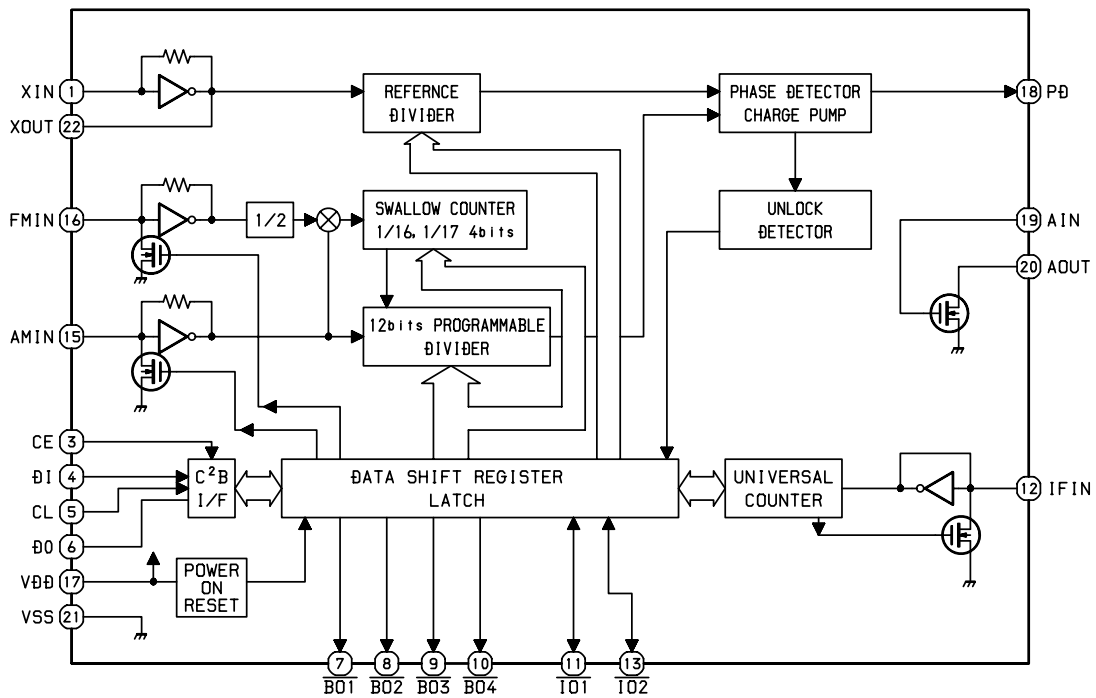
IC, LA6541D



IC BLOCK DIAGRAM-2/2
IC, M62495AFP



IC, LC72131D



IC DESCRIPTION-1/3 (LA9241ML)-1/2

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE-	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES "Track Error Sense" comparator input pin. TE signal is passed through a band-pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD-	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD-	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD- and FA- pins.
19	FA-	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE-	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND	—	Analog signal GND.
23	SP	—	Single ended output of the CV+ and CV- pin input signal.
24	SP-	O	Spindle amp input.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP-	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL-, SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP-, JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

IC DESCRIPTION-1/3 (LA9241ML)-2/2

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV-, CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS-	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND	—	Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC	—	No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DATA	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode (\pm search/+ search) select pin.
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

IC DESCRIPTION-2/3 (LC78622NE)-1/2

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used)	
2	TAI	I	For PLL.	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS	—		GND pin for built-in VCO. Be sure to connect to 0V.
5	ISET	I		Pin to which external resistor adjusting the PDO output current.
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS	—	Digital system GND. Be sure to connect to 0V.	
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	TEST2	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLV-	O	Disc motor control output. Three level output is possible using command.	
14	V/P	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP-	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and thesync signal which is internally generated agree. (Not connected)	
23	VDD	—	Digital system power supply pin.	
24	SL+	I/O	General purpose input/output pin 1 to 5.	The pin is controlled by the serial data command from microprocessor. When the pin is not used, set the pin to the input terminal and connect to 0V, or alternately set the pin to output terminal and leave the pin open.
25	SL-	I/O		
26	CONT3	I/O		
27	PUIN	I/O		
28	RW	I/O		
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H. (Not connected)	
30	C2F	O	C2 flag output pin. (Not connected)	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format)	
32, 33	TEST3, TEST4	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
34	NC	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin. (Not connected)
36	LVDD	—		L-channel power supply pin.
37	LCHO	O		L-channel output pin.
38	LVSS	—		L-channel GND. Be sure to connect to 0V.
39	RVSS	—	R-channel 1-bit DAC.	R-channel GND. Be sure to connect to 0V.
40	RCHO	O		R-channel output pin.
41	RVDD	—		R-channel power supply pin.
42	MUTER	O		R-channel mute output pin. (Not connected)

IC DESCRIPTION-2/3 (LC78622NE)-2/2

Pin No.	Pin Name	I/O	Description
43	XVDD	—	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin. (Not connected)
48	EFLG	O	C1, C2, single and dual correction monitoring pin. (Not connected)
49	PW	O	Subcode P, Q, R, S, T, U and W output pin. (Not connected)
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby. (Not connected)
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use)
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator. (Not connected)
53	WRQ	O	Subcode Q output standby output pin.
54	RWC	I	Read/write control input pin. Schmidt input.
55	SQOUT	O	Subcode Q output pin.
56	COIN	I	Command input pin from microprocessor.
57	\overline{CQCK}	I	Command input read clock or subcode read input clock from SQOUT pin
58	\overline{RES}	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.
59	TST11	O	Test signal output pin. Use this pin as open (normally L output). (Not connected)
60	16M	O	16.9344 MHz output pin. (Not connected)
61	4.2M	O	4.2336 MHz output pin.
62	TEST5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
63	\overline{CS}	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.
64	TEST1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

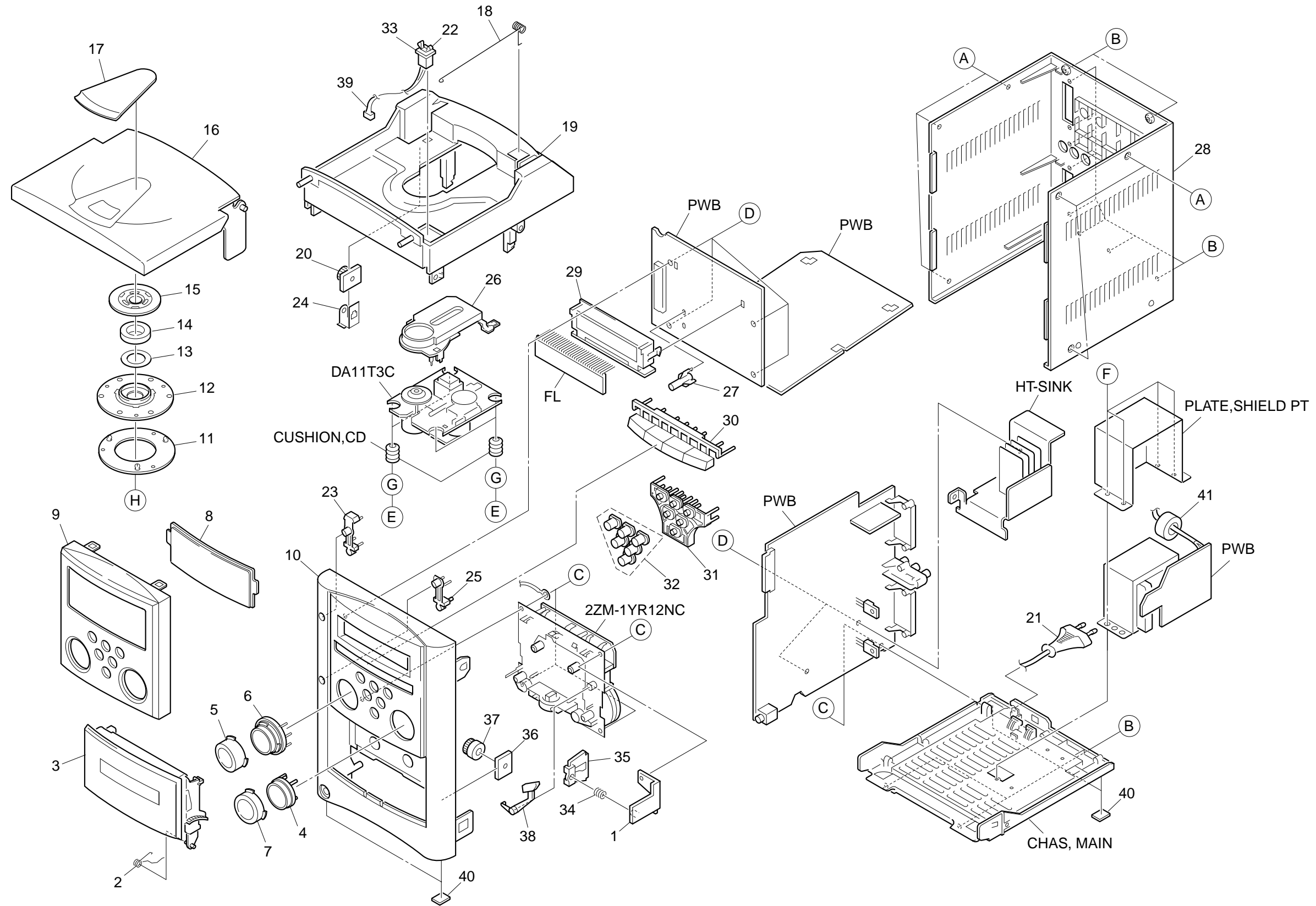
Note: The same potential must be applied to the respective power supply terminals. (VDD, VVDD, LVDD, RVDD, XVDD)

IC DESCRIPTION-3/3 (LC867248A-5T90)-1/2

Pin No.	Pin Name	I/O	Description
1	O-SCONTM	O	M62495AFP control. Open drain output.
2	O-SCONTL	O	
3	O-TUDI	O	Tuner data output. CMOS output.
4	I-TUDO	I	Tuner data input. Open drain input.
5	O-TUCL	O	Tuner clock output. CMOS output.
6	O-COIN	O	CD control. CMOS output.
7	I-SQOUT	I	CD control. Open drain input.
8	O-CQCK	O	CD control. CMOS output.
9	O-RWC	O	
10	O-CLKSFT	O	Clock shift output. "L" during shift. open drain output.
11	I-TMBASE	I	8 Hz time base input.
12	I-RESET	I	Reset input. "L" during reset.
13, 14	XT1,XT2	I/O	32.768kHz crystal.
15	VSS1	—	GND.
16, 17	CF1, CF2	I/O	Main clock 5.76 MHz.
18	VDD1	—	+5V.
19	I-KEY0	I	KEY0 A/D input.
20	I-KEY1	I	KEY1 A/D input.
21	I-RDSIG	I	RDS signal level input. (A/D input)
22	I-WRQ	I	CD control input.
23	I-DRF	I	
24	I-DOOR	I	CD door SW detection SW input. "L" during CLOSE.
25	NC	I	Not used.
26	I-SWTAPE	I	Tape detection SW input. (A/D input)
27	I-STEREO	I	Monaural/stereo indication selector input. "L" during stereo.
28	I-RDCL	I	RDS clock input.
29	I-RMT	I	Remote control input. (fall-down edge interrupt input)
30	I-HOLD	I	Hold mode detection. "L" during hold mode.
31	I-RDDT	I	RDS data input.
32	NC	I	Not used.
33	NC	I	Not used.
34	O-MOTOR	O	Mechanism deck motor ON/OFF output. "H" during ON. CMOS output.
35	O-PL	O	Mechanism deck plunger solenoid ON/OFF output. "H" during ON. CMOS output .
36-38	NC	O	Not used.
39-55	S9-S25	O	LCD SEG terminal Initial setting output. (S10 to S17)
56	VDD2	—	+5V.
57	VSS2	—	GND.
58-79	S26-S47	—	LCD SEG terminal .
80	I-CLKDSP	I	Watch indication select input "L": 12H. "H": 24H.
81	I-AS	I	Auto stop. counter input .
82	I-STOP	I	Tape stop input. "L" during STOP.

IC DESCRIPTION-3/3 (LC867248A-5T90)-2/2

Pin No.	Pin Name	I/O	Description
83-86	COM0-COM3	O	LCD common output.
87	I-INIT	I	Initial setting input.
88	I-AC/DC	I	AC/DC detection. "H" during AC. COMS input.
89	VSS3	—	GND.
90	VDD3	—	5V.
91	NC	—	Not used.
92	O-TUCE	O	Tuner chip enable output. CMOS output .
93	O-CD-ON	O	"H" output during CD function. CMOS output.
94	O-TU-ON	O	"H" output during TU function. CMOS output.
95	O-RMT	O	REC mute output. "H" during mute. CMOS output.
96	O-REC/PB	O	REC/PB select output. "L" during PB. COMS output.
97	O-MUTE	O	Mute output. "H" during mute. COMS output.
98	O-PCONT	O	Power control output. "H" during ON. CMOS output.
99	O-BIAS	O	REC bias ON/OFF output. "H" at ON. Open drain output.
100	NC	O	Not used.



MECHANICAL PARTS LIST-1/1

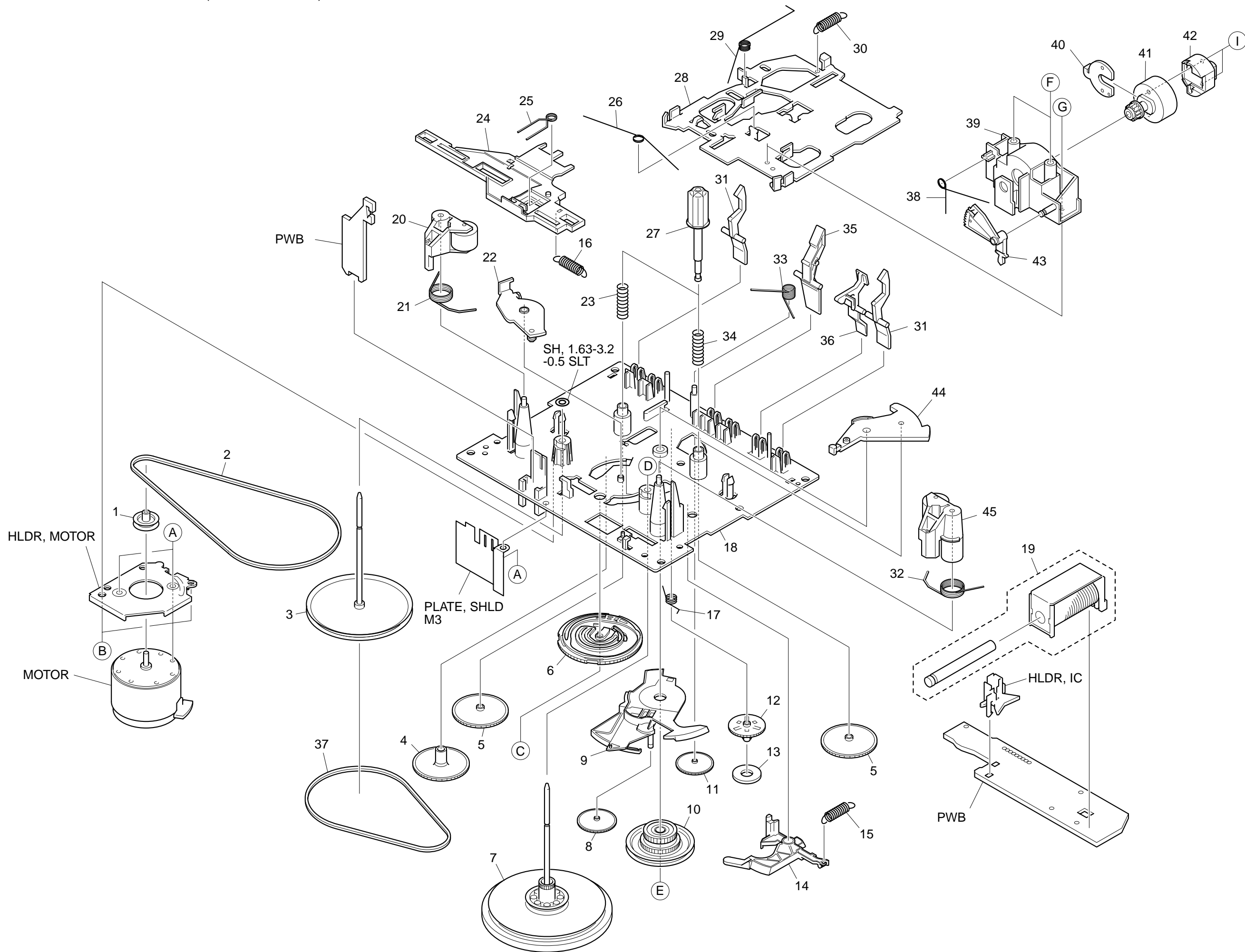
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	88-CL5-202-010		HLD R,CASS LOCKE R	23	8B-CLB-015-010		KEY,POWER
2	8Z-CL8-209-010		SPR-T,CASS	24	8Z-CL8-214-010		DMPR,HLD R BE
3	8B-CLA-004-010		BOX,CASS<EXCEPT 141EZSC>	25	8B-CLB-016-010		KEY,TIMER
3	8B-CLL-001-010		BOX,CASS<141EZSC>	26	8Z-CDB-169-010		PANEL,CD SANYO
4	8B-CLB-010-010		KEY,VOLUME<141EZSC>	27	8B-CLB-018-010		HLD R,KEY EQ
4	8B-CLA-025-010		KEY,VOLUME A<EXCEPT 141EZSC>	28	8B-CLA-020-010		CABI,REAR EZ<141EZSC>
5	8B-CLB-011-010		CAP, EQ	28	8B-CLA-022-010		CABI,REAR H<EXCEPT 141EZSC>
6	8B-CLB-009-010		KEY,EQ<141EZSC>	29	8Z-CL8-201-010		GUIDE,LCD
6	8B-CLA-024-010		KEY,EQ A<EXCEPT 141EZSC>	30	8B-CLA-005-010		KEY,FUNC
7	8B-CLB-012-010		CAP, VOLUME	31	8B-CLB-013-010		KEY,CONTROL CD
8	8B-CLA-003-010		WINDOW,DISPLAY	32	8B-CLA-006-010		CAP, CONTROL CD SET
9	8B-CLA-002-010		PANEL,FR	33	87-064-108-110		HLD R,NC LUTCH
10	8B-CLA-001-010		CABI,FR	34	82-NF5-228-010		SPR-C,LOCK
11	8Z-CH4-212-110		RING,CHUCK<EXCEPT 141EZSC>	35	82-NF5-229-010		PLATE,LOCK
11	8Z-CH4-212-010		RING,CHUCK<141EZSC>	36	84-CD5-216-010		BRACKET
12	8Z-CH4-211-010		BASE,CHUCK<141EZSC>	37	84-CD5-215-010		GEAR
12	8Z-CH4-211-110		BASE,CHUCK<EXCEPT 141EZSC>	38	88-CL5-203-010		LEVER,CASS LOCKE R
13	84-CD5-217-010		PLATE,MAGNET	39	8B-CLA-606-010		CONN ASSY,2P CD DOOR
14	87-036-368-010		MAGNET	40	8Z-CL8-204-010		CUSH,FOOT
15	8Z-CH4-225-010		HLD R,CHUCK A(S)<141EZSC>	41	87-A90-457-010		F-BEAD,15-25-15 E251
15	8Z-CH4-225-210		HLD R,CHUCK A(S)<EXCEPT 141EZSC>	A	87-B10-239-010		QT2+3-8 W/O CR
16	8B-CLA-017-010		LID,CD	B	87-B10-230-010		BVT2+3-10 W/O SLOT SILVER CR
17	8B-CLA-019-010		WINDOW,CD	C	87-067-703-010		TAPPING SCREW, BVT2+3-10
18	8Z-CL8-205-010		SPR-T,CD	D	87-067-579-010		TAPPING SCREW, BVT2+3-8
19	8B-CLA-018-010		CHAS,CD	E	87-342-074-010		UT2+2.6-8
20	8Z-NF6-210-010		DMPR,150 N<EXCEPT 141EZSC>	F	87-761-097-410		VFT2+3-10 GLD
20	86-NF2-231-010		DMPR,70<141EZSC>	G	8Z-CL8-220-010		W,30-0856-01-01-01
21	87-A80-105-010		AC CORD ASSY,AZ<161HASC>	H	87-571-033-410		TAPPING SCREW, VIT+2-4
21	87-A80-157-010		AC CORD ASSY,E BLK CC<EXCEPT 161HASC>				
22	87-036-389-010		SW,PUSH LOCK				



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	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green		

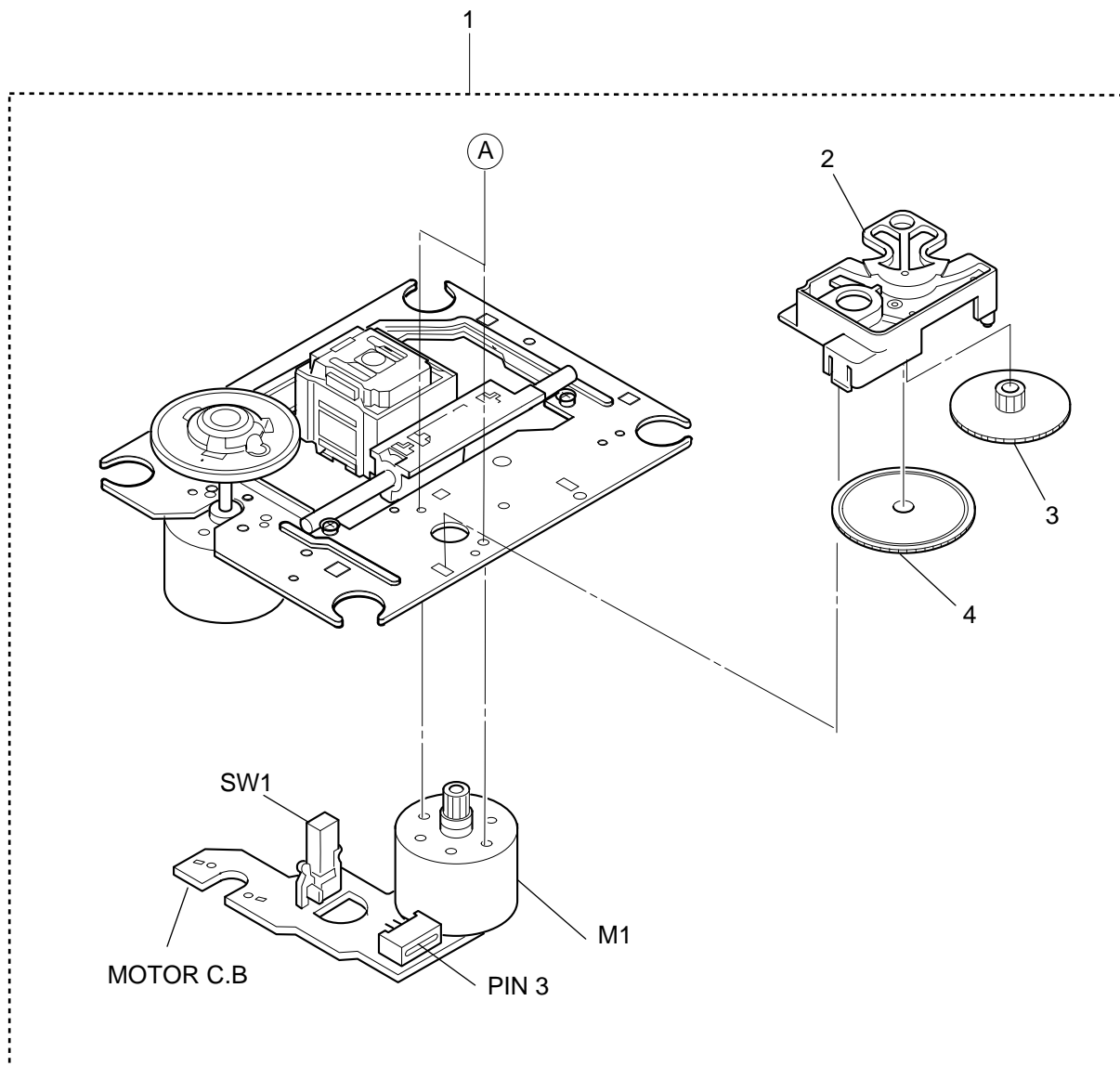
TAPE MECHANISM EXPLODED VIEW-1/1 (2ZM-1 YR12NC)



TAPE MECHANISM PARTS LIST-1/1 (2ZM-1 YR12NC)

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM1-247-210		PULLEY, MOTOR	31	82-ZM1-240-110		LVR, REC (*)
2	82-ZM1-354-010		BELT, SBU MAIN2 EPDM	32	82-ZM1-259-210		SPR-T, PINCH R
3	82-ZM1-234-310		FLY-WHL ASSY, L	33	82-ZM1-257-010		SPR-T, CAS
4	82-ZM1-226-010		GEAR, REW	34	82-ZM1-285-410		SPR-C, BT L
5	82-ZM1-216-510		GEAR, REEL	35	82-ZM1-242-010		LVR, CAS
6	82-ZM1-221-310		GEAR, CAM (*)	36	82-ZM1-243-010		LVR, STOP
7	82-ZM1-237-610		FLY-WHL ASSY, R	37	82-ZM1-338-110		BELT, FR 4
8	82-ZM1-225-210		GEAR, FR	38	82-ZM3-353-010		SPR-T, HEAD 2
9	82-ZM1-224-410		LVR, FR	39	82-ZM1-207-910		GUIDE, TAPE
10	82-ZM3-333-310		SLIP DISK ASSY 2	40	82-ZM1-314-110		PLATE, HEAD
11	82-ZM1-223-010		GEAR, PLAY	41	82-ZM1-208-310		HLD, HEAD
12	82-ZM1-220-210		GEAR, IDLER	42	87-A90-367-110		HEAD, RPH YK56R-BF414
13	82-ZM3-616-010		RING MAGNET 4	43	82-ZM1-210-110		GEAR, H T
14	82-ZM1-227-310		LVR, TRIG	44	82-ZM1-222-310		LVR, PLAY (*)
15	82-ZM1-305-210		SPR-E, TRIG 2	45	82-ZM1-344-210		LVR ASSY, PINCH R2
16	82-ZM1-255-310		SPR-E, LVR DIR	A	87-251-070-410		U+2.6-3
17	82-ZM1-322-010		SPR-T, FR 60	B	87-741-073-410		UT2+2.6-6 GLD
18	82-ZM1-358-010		CHAS ASSY, FPC	C	87-B10-008-010		W-P, 2.08-8-0.4-SLIP
19	82-ZM3-627-010		SOL ASSY, 27 SO	D	80-ZM6-243-010		SH 1.75-3.6-0.5 SLT
20	82-ZM1-341-210		LVR ASSY, PINCH L2	E	82-ZM3-334-010		PW 2.16-6-0.4
21	82-ZM1-258-210		SPR-T, PINCH L	F	86-ZM4-206-110		S-SCREW, AZIMUTH L
22	82-ZM1-333-210		PLATE, LINK2	G	85-ZM3-202-010		S-SCREW, TG
23	82-ZM1-244-510		SPR-C, BT	H	82-ZM3-222-010		S-SCREW, SHILD PLATE
24	82-ZM1-266-310		LVR, DIR	I	80-ZM6-207-010		V+1.6-7
25	82-ZM1-214-010		SPR-T, DIR				
26	82-ZM1-269-210		SPR-T, BRG				
27	82-ZM1-217-410		REEL TABLE				
28	82-ZM1-206-910		CHAS, HEAD				
29	82-ZM1-219-110		SPR-T, LINK				
30	82-ZM1-218-010		SPR-E, HB				

CD MECHANISM EXPLODED VIEW-1/1 (DA-11T3C)



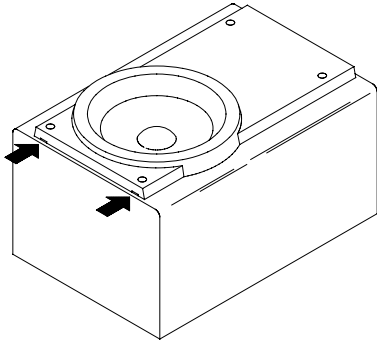
CD MECHANISM PARTS LIST-1/1 (DA-11T3C)

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	M8-ZZK-E90-070	2B	DA11T3C
2	S2-121-A28-400	1A	COVER GEAR
3	S2-511-A21-000	0E	GEAR MIDDLE
4	S2-511-A21-100	1A	GEAR, DRIVE
A	S1-PN2-03R-05E	0E	SCR PAN PCS 2-3

SPEAKER DISASSEMBLY INSTRUCTIONS-1/1

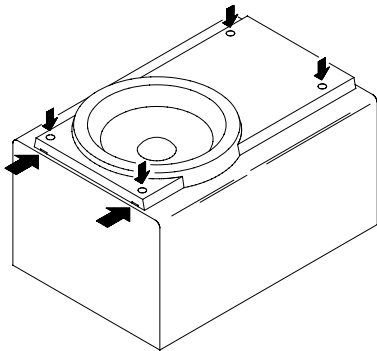
Type.1

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.



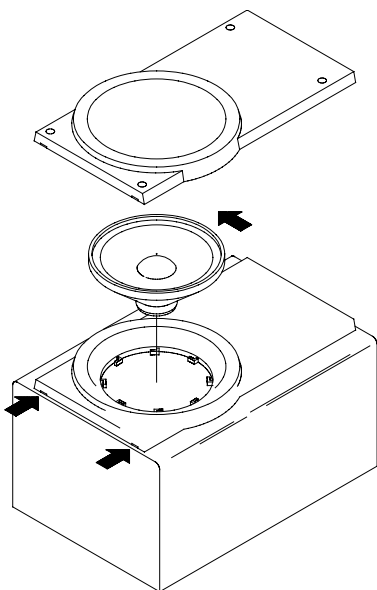
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hold 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

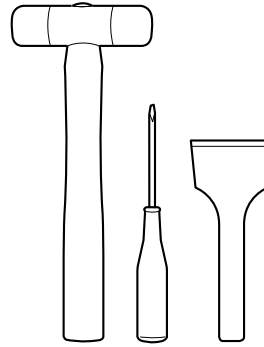
Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counterclockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit,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



Type.4

TOOLS

- ① Plastic head hammer
- ② (⊖) flat head screwdriver
- ③ Cut chisel



How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

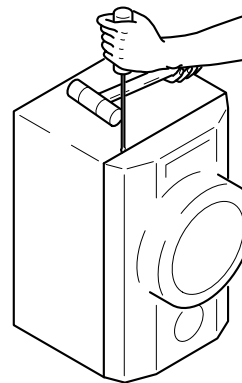


Fig-1

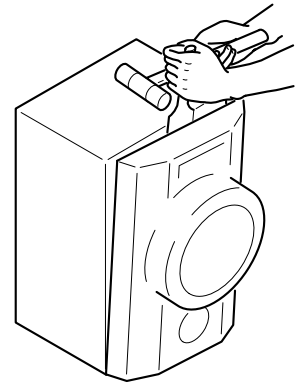


Fig-2

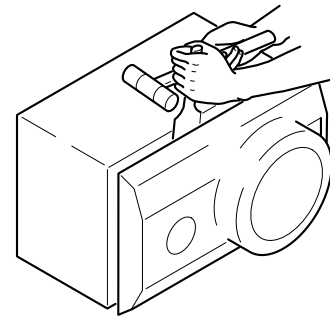


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST-1/1

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8B-CPL-005-010		CABI,
2	8A-CLL-409-010		CORD,SP
3	8B-CPL-002-010		GRILLE, FRAME ASSY
4	8B-CPL-001-010		PANEL,SP
5	8A-CLL-408-010		SPKR, 100 4 OHMS

*NOTE 141EZ: SX-SLM141 YJMN
161LH, HA: SX-SLM161 YJMN

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)

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