

SERVICE MANUAL

COMPACT DISC STEREO RADIO
CASSETTE RECORDER

BASIC TAPE MECHANISM : TN21ZVC-1812
BASIC CD MECHANISM : KSM-213CDM

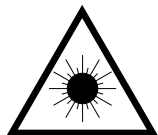
This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
CSD-ED27(HRJ<S>,LH<S>)(S/M Code No.09-994-327-4T2).

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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

WARNING!

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



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

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

WARNING!

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

CAUTION

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

ATTENTION

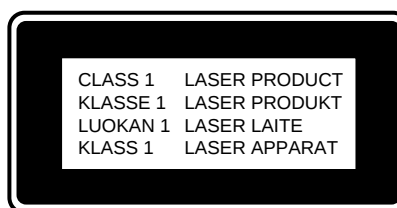
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

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

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

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

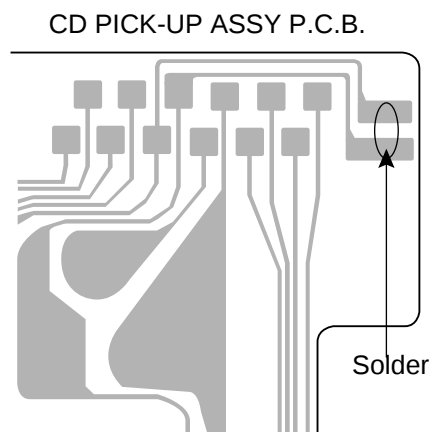


Precaution to replace Optical block

(KSS - 213B)

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.



SPECIFICATIONS

<Tuner section>

(FM)

Tuning range	87.5 MHz to 108.0 MHz
Antenna	Rod antenna

(AM)

Tuning range	530 kHz to 1,710 kHz (10 kHz step) 531 kHz to 1,602 kHz (9 kHz step)
Antenna	Ferrite bar antenna

<Cassette deck section>

Track format	4 track, 2 channels stereo
Frequency response	Normal tape: 50 Hz - 12,500 Hz (EIAJ)
Recording system	AC bias
Erasing system	Magnet erase
Heads	Recording/Playback head x1 Erasure head x 1

<Compact disc player section>

Disk	Compact disc
Scanning method	Non-contact optical scanner (Semiconductor laser)

<General>

Speakers	80 mm cone type (2)
Power output	2.5 W + 2.5 W (EIAJ 7 ohm DC) 1.9 W + 1.9 W (DIN 1% Rated power)
Output	Headphones (stereo minijack)
Power requirements	DC 12 V using eight size C (R14) batteries AC 110-120 V/220-240 V switchable, 50/60 Hz
Power consumption	14 W
Dimensions	(W x H x D) 310 x 156 x 253 mm
Weight (Excluding batteries)	2.6 kg

• Design and specifications are subject to change without notice.

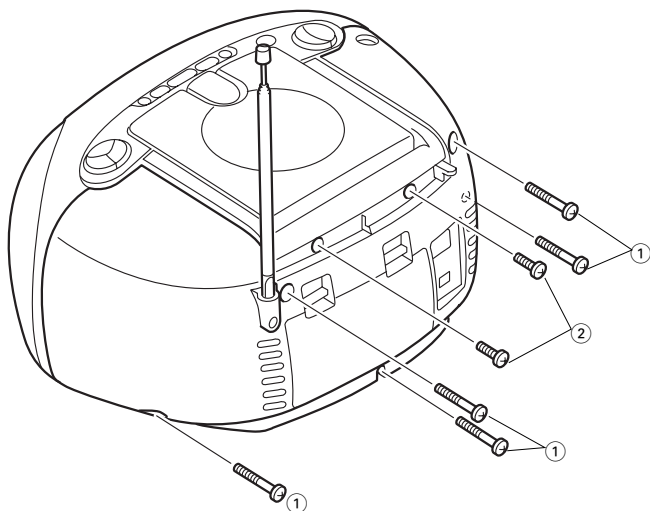
ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

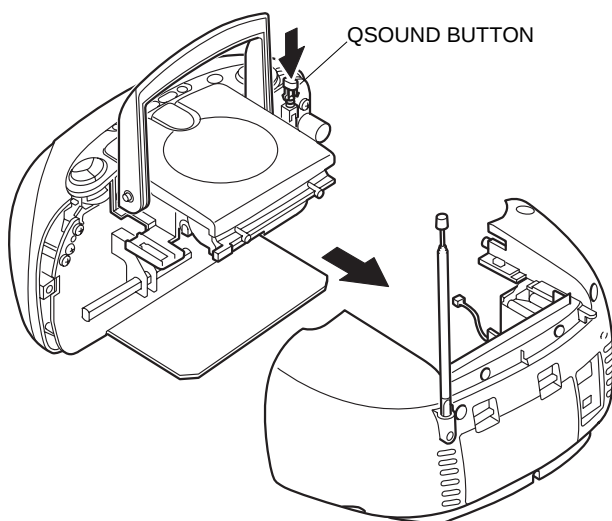
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	1 8Z-CHB-906-010		IB, LH(ESP)FM<LH, HA>
	1 8Z-CHB-907-010		IB, H(ECA)FM<HR>
⚠	2 87-A80-081-010		AC CORD SET ASSY, EZ BLK
	3 87-099-789-010		PLUG, ADPTR IR44

DISASSEMBLY PROCEDURE

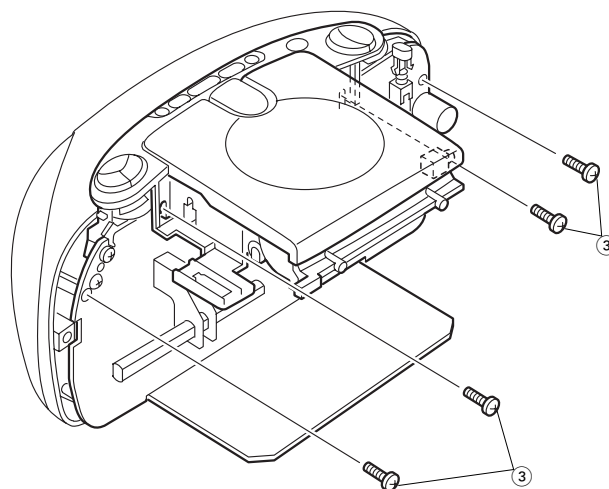
1. Remove screws (① x 5) and (② x 2).



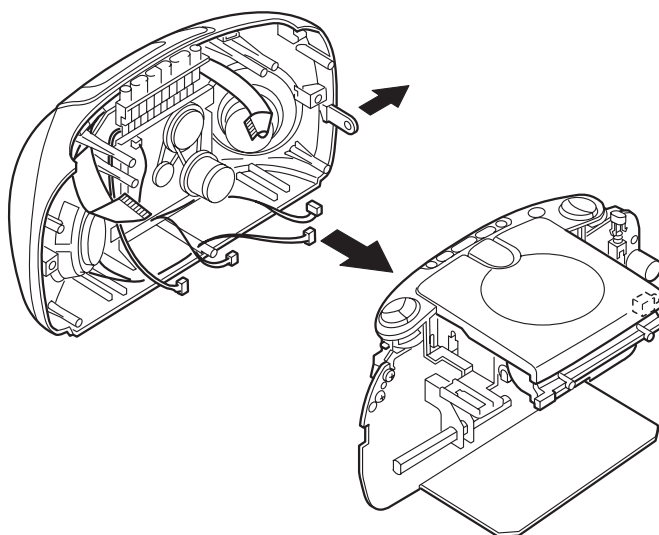
2. While pushing the QSOUND button, remove the rear cabinet.



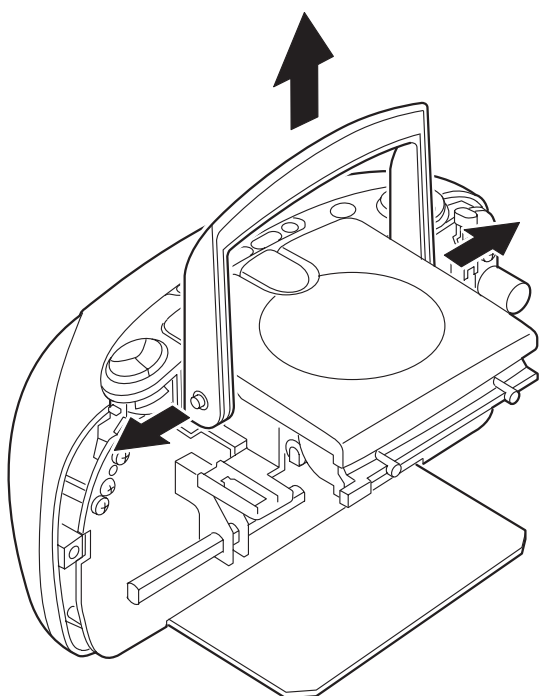
4. Remove screws (③ x 4).



5. Remove the CD player, main C.B., etc. from the front cabinet.



3. Widen the handle to the left and right, to remove it.



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
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				C24	87-010-303-080		C-CAP,S 330P-50CH
	87-A21-184-010	IC, TA2104AN		C25	87-016-460-080		C-CAP,S 0.22-16 B
	87-A21-185-040	C-IC, LC72121M		C27	87-A11-067-080		C-CAP,S 1-10 K B
	87-070-416-010	IC, NJU7201 L55		C28	87-016-669-080		C-CAP,S 0.1-25 K B
	87-A21-111-040	C-IC, M62495FP		C29	87-016-669-080		C-CAP,S 0.1-25 K B
	87-A20-946-040	C-IC, MM1434XF		C30	87-010-213-080		C-CAP,S 0.015-50 B<HR>
	87-A21-193-010	IC, TA8227P		C30	87-010-198-080		CAP, CHIP 0.022<LH, HA>
	87-A21-145-040	C-IC, BA4560F-E2		C31	87-010-213-080		C-CAP,S 0.015-50 B<HR>
	87-A20-446-010	C-IC, LA9241ML		C31	87-010-198-080		CAP, CHIP 0.022<LH, HA>
	87-A20-459-010	C-IC, LC78622ED		C33	87-010-401-080		CAP, ELECT 1-50V
	87-A20-856-010	IC, BA6898S		C34	87-010-401-080		CAP, ELECT 1-50V
	8Z-CH4-636-010	IC, LC867132V-5H52		C35	87-015-819-080		CAPACITOR, 0.01
				C36	87-010-112-080		CAP, ELECT 100-16V
				C37	87-010-197-080		CAP, CHIP 0.01 DM
				C38	87-010-380-080		CAP, ELECT 47-16V
TRANSISTOR				C39	87-010-404-080		CAP, ELECT 4.7-50V
	89-319-233-080	TR, 2SC1923 (0.1W)		C40	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-447-080	TR, 2SC1740S R		C41	87-012-349-080		C-CAP,S 1000P-50 CH
	89-320-011-080	TR, 2SC2001K(15W)		C42	87-012-349-080		C-CAP,S 1000P-50 CH
	87-026-215-080	TR, DTC114YS		C43	87-012-349-080		C-CAP,S 1000P-50 CH
	89-213-702-010	TR, 2SB1370E(1.8W)		C44	87-010-311-080		CAP 12P
	89-318-154-080	TR, 2SC1815 (0.4W)		C45	87-010-312-080		C-CAP,S 15P-50 CH
	89-113-184-080	TR, 2SA1318T		C46	87-010-197-080		CAP, CHIP 0.01 DM
	89-112-965-080	TR, 2SA1296GR(0.75W)		C47	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-463-080	TR, 2SA933S (0.3W)		C48	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-291-080	TR, DTC124XS		C49	87-012-140-080		CAP 470P
	89-318-155-080	TR, 2SC1815 (0.4W)		C50	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-462-080	TR, 2SC1740 S(RS 0.3W)		C71	87-015-819-080		CAPACITOR, 0.01
	89-110-155-080	TR, 2SA1015(0.4W)		C72	87-016-669-080		C-CAP,S 0.1-25 K B
	87-026-496-080	FET, 2SJ103GR		C73	87-016-669-080		C-CAP,S 0.1-25 K B
	89-328-786-080	TR, 2SC2878B		C95	87-010-197-080		CAP, CHIP 0.01 DM<LH, HA>
	87-026-245-080	TR, DTC124ES		C96	87-A11-132-080		CAP, TC U 0.01-50 K B
	87-026-237-080	CHIP-TR, DTC124XK		C99	87-A11-132-080		CAP, TC U 0.01-50 K B
	87-026-464-080	TR, DTC114TS (0.3W)		C202	87-018-209-080		CAP, CER 0.1-50V
	87-026-239-080	TR, DTC114TK (0.2W)		C203	87-010-401-080		CAP, ELECT 1-50V
DIODE				C204	87-010-221-080		CAP, ELECT 470-10V
	87-020-465-080	DIODE, 1SS133 (110MA)		C205	87-010-263-080		CAP, ELECT 100-10V
	87-017-072-080	ZENER, HZS3B1		C206	87-010-248-080		CAP, ELECT 220-10V
	87-017-162-080	ZENER, HZS7C3L		C210	87-010-198-080		CAP, CHIP 0.022
	87-017-148-080	ZENER, HZS6A1L		C211	87-010-260-080		CAP, ELECT 47-25V
	87-070-345-080	DIODE, IN4148		C212	87-010-198-080		CAP, CHIP 0.022
	87-027-607-080	ZENER, HZ7B3L		C213	87-010-248-080		CAP, ELECT 220-10V
	87-017-139-010	ZENER, HZS15-2		C220	87-016-495-090		CAP, E 3300-25 SMG
	87-A40-466-080	ZENER, MTZJ2.7A		C230	87-010-405-080		CAP, ELECT 10-50V
	87-A40-465-090	DIODE, FR202		C231	87-010-404-080		CAP, ELECT 47-50V
MAIN C.B				C232	87-010-263-080		CAP, ELECT 100-10V
	C1	87-010-314-080	C-CAP,S 22P-50V	C233	87-018-134-080		CAPACITOR, TC-U 0.01-16
	C2	87-010-316-080	C-CAP,S 33P-50 CH	C261	87-018-209-080		CAP, CER 0.1-50V
	C3	87-010-314-080	C-CAP,S 22P-50V	C262	87-010-384-080		CAP, ELECT 100-25V
	C5	87-010-196-080	CHIP CAPACITOR, 0.1-25	C263	87-010-385-080		CAP, ELECT 220-25V
	C6	87-010-313-080	CAP, CHIP 18P	C264	87-010-196-080		CHIP CAPACITOR, 0.1-25
	C7	87-014-049-080	CAP, PP 470P-100 J	C265	87-010-236-080		CAP, E 1000-10 SME
	C8	87-012-349-080	C-CAP,S 1000P-50 CH	C301	87-010-405-080		CAP, ELECT 10-50V
	C10	87-010-197-080	CAP, CHIP 0.01 DM	C302	87-010-405-080		CAP, ELECT 10-50V
	C11	87-010-197-080	CAP, CHIP 0.01 DM	C303	87-010-405-080		CAP, ELECT 10-50V
	C12	87-010-197-080	CAP, CHIP 0.01 DM	C304	87-010-404-080		CAP, ELECT 4.7-50V
	C13	87-010-150-080	C-CAP,S 6P-50 CH	C305	87-010-213-080		C-CAP,S 0.015-50 B
	C14	87-010-303-080	C-CAP,S 330P-50CH	C306	87-010-546-080		CAP, ELECT 0.33-50V
	C15	87-012-349-080	C-CAP,S 1000P-50 CH	C307	87-010-544-080		CAP, ELECT 0.1-50V
	C16	87-010-380-080	CAP, ELECT 47-16V	C308	87-010-260-080		CAP, ELECT 47-25V
	C17	87-010-198-080	CAP, CHIP 0.022	C309	87-010-263-080		CAP, ELECT 100-10V
	C18	87-015-819-080	CAPACITOR, 0.01	C310	87-010-544-080		CAP, ELECT 0.1-50V
	C19	87-010-112-080	CAP, ELECT 100-16V	C311	87-010-546-080		CAP, ELECT 0.33-50V
	C20	87-010-404-080	CAP, ELECT 4.7-50V	C312	87-010-213-080		C-CAP,S 0.015-50 B
	C21	87-010-197-080	CAP, CHIP 0.01 DM	C313	87-010-404-080		CAP, ELECT 4.7-50V
	C22	87-010-197-080	CAP, CHIP 0.01 DM	C314	87-010-405-080		CAP, ELECT 10-50V
				C315	87-010-405-080		CAP, ELECT 10-50V
				C316	87-010-405-080		CAP, ELECT 10-50V
				C317	87-010-401-080		CAP, ELECT 1-50V
				C318	87-010-401-080		CAP, ELECT 1-50V

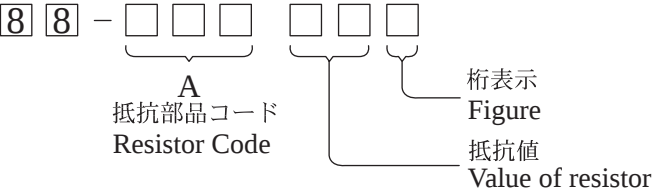
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C319	87-010-197-080	CAP,	CHIP 0.01 DM	CN330	87-099-565-010	CONN,6P	TUC-P4P-B1
C320	87-010-405-080	CAP,	ELECT 10-50V	CN410	87-049-469-010	CONN,4P	V
C321	87-010-260-080	CAP,	ELECT 47-25V	CN420	87-009-030-010	CONNECTOR	2P PH M
C322	87-010-402-080	CAP,	ELECT 2.2-50V	D3	87-A40-616-070	VARI-CAP,	SVC384(S/T)
C325	87-010-400-080	CAP,	ELECT 0.47-50V	D4	87-A40-615-070	VARI-CAP,	KV1311NT
C326	87-010-400-080	CAP,	ELECT 0.47-50V	D5	87-A40-615-070	VARI-CAP,	KV1311NT
C329	87-010-401-080	CAP,	ELECT 1-50V	J301	87-009-216-010	JACK,	DIA 3.5
C330	87-010-197-080	CAP,	CHIP 0.01 DM	L2	87-A50-347-010	COIL,FM	BPF EX
C331	87-010-197-080	CAP,	CHIP 0.01 DM	L3	87-A91-095-010	BAR-ANT,MW	FOR 2B(SYN)
C332	87-010-197-080	CAP,	CHIP 0.01 DM	L4	87-A50-420-010	COIL,MW	OSC(SYN)
C333	87-010-197-080	CAP,	CHIP 0.01 DM	L5	87-A50-424-010	COIL,FM	RF EX(SYN)
C334	87-010-404-080	CAP,	ELECT 4.7-50V	L6	87-A50-427-010	COIL,FM	OSC EX(SYN)<HR>
C335	87-010-401-080	CAP,	ELECT 1-50V	L6	87-A50-454-010	COIL,FM	OSC U(SYN)<LH,HA>
C336	87-010-401-080	CAP,	ELECT 1-50V	L7	87-A91-308-010	FLTR,PCFAZH-	450T (TOK)
C337	87-010-178-080	CHIP	CAP 1000P	L8	87-005-849-080	COIL,10UH	(CECS)
C338	87-010-384-080	CAP,	ELECT 100-25V	L9	87-005-849-080	COIL,10UH	(CECS)
C339	87-010-404-080	CAP,	ELECT 4.7-50V	L301	87-005-847-080	COIL,2.2UH	(CECS)<HR>
C340	87-010-401-080	CAP,	ELECT 1-50V	L401	87-007-342-010	COIL,OSC	85K BIAS
C341	87-010-178-080	CHIP	CAP 1000P	R290	87-029-124-090	RESISTOR,	FUSE 1/4W 2.2
C342	87-010-384-080	CAP,	ELECT 100-25V	S301	87-A90-815-010	SW,PUSH	2-2-6 SPUN19-S-501
C343	87-010-384-080	CAP,	ELECT 100-25V	TC1	87-011-220-080	TRIMMER	CAP 20P VTC
C344	87-010-384-080	CAP,	ELECT 100-25V	X1	87-A70-061-010	VIB,XTAL	4.500MHZ CSA-309
C345	87-010-384-080	CAP,	ELECT 100-25V	FRONT C.B			
C346	87-010-235-080	CAP,E	470-16 SME	CN620	87-099-761-010	CONN,23P	H 9604
C347	87-010-384-080	CAP,	ELECT 100-25V	CN640	87-A60-076-010	CONN,12P	H 9604S-12F
C348	87-010-235-080	CAP,E	470-16 SME	D643	87-A40-622-010	LED,L-34HDSL	RED
C351	87-010-401-080	CAP,	ELECT 1-50V	D644	87-A40-622-010	LED,L-34HDSL	RED
C355	87-010-384-080	CAP,	ELECT 100-25V	D645	87-A40-622-010	LED,L-34HDSL	RED
C401	87-012-145-080	CAP,	CHIP S 270P CH	D646	87-A40-622-010	LED,L-34HDSL	RED
C405	87-010-178-080	CHIP	CAP 1000P	FFC2	8Z-CHB-620-010	FF-CABLE,	23P 1.25 140MM DISP
C407	87-010-248-080	CAP,	ELECT 220-10V	FFC3	8Z-CHB-619-010	FF-CABLE,	12P 1.25 140MM FRONT
C410	87-010-402-080	CAP,	ELECT 2.2-50V	LCD601	8Z-CH4-635-010	LCD,HLC7365	ZCH-4
C411	87-010-177-080	C-CAP,S	820P-50 SL	S601	87-A90-164-080	SW,TACT	SKQAB(N)
C412	87-010-260-080	CAP,	ELECT 47-25V	S604	87-A90-164-080	SW,TACT	SKQAB(N)
C413	87-012-158-080	C-CAP,S	390P-50 CH	S605	87-A90-164-080	SW,TACT	SKQAB(N)
C415	87-010-406-080	CAP,	ELECT 22-50	S606	87-A90-164-080	SW,TACT	SKQAB(N)
C416	87-010-404-080	CAP,	ELECT 4.7-50V	S607	87-A90-164-080	SW,TACT	SKQAB(N)
C417	87-010-384-080	CAP,	ELECT 100-25V	MICOM C.B			
C418	87-010-402-080	CAP,	ELECT 2.2-50V	C600	87-A11-067-080	C-CAP,S	1-10 K B
C419	87-010-177-080	C-CAP,S	820P-50 SL	C601	87-010-313-080	CAP,	CHIP 18P
C420	87-012-158-080	C-CAP,S	390P-50 CH	C602	87-010-315-080	C-CAP,S	27P-50 CH
C422	87-010-406-080	CAP,	ELECT 22-50	C603	87-010-197-080	CAP,	CHIP 0.01 DM
C423	87-010-404-080	CAP,	ELECT 4.7-50V	C605	87-010-318-080	C-CAP,S	47P-50 CH
C424	87-010-194-080	CAP,	CHIP 0.047	C606	87-010-311-080	C-CAP,S	12P-50 CH
C425	87-010-177-080	C-CAP,S	820P-50 SL	C607	87-010-317-080	C-CAP,S	39P-50 CH
C426	87-010-186-080	CAP,CHIP	4700P	C608	87-010-196-080	CHIP	CAPACITOR,0.1-25
C427	87-010-404-080	CAP,	ELECT 4.7-50V	C609	87-010-384-080	CAP,	ELECT 100-25V
C428	87-010-260-080	CAP,	ELECT 47-25V	C610	87-010-196-080	CHIP	CAPACITOR,0.1-25
C429	87-012-153-080	C-CAP,S	120P-50 CH	C611	87-010-385-080	CAP,	ELECT 220-25V
C430	87-010-213-080	C-CAP,S	0.015-50 B	C612	87-010-402-080	CAP,	ELECT 2.2-50V
C431	87-010-405-080	CAP,	ELECT 10-50V	C613	87-010-196-080	CHIP	CAPACITOR,0.1-25
C432	87-010-401-010	CAP,	ELECT 1-50V	C614	87-010-400-080	CAP,	ELECT 0.47-50V
C433	87-010-177-080	C-CAP,S	820P-50 SL	C615	87-010-401-080	CAP,	ELECT 1-50V
C434	87-010-186-080	CAP,CHIP	4700P	C621	87-010-197-080	CAP,	CHIP 0.01 DM
C435	87-010-404-080	CAP,	ELECT 4.7-50V	C623	87-010-197-080	CAP,	CHIP 0.01 DM
C436	87-012-153-080	C-CAP,S	120P-50 CH	C624	87-010-178-080	CHIP	CAP 1000P
C437	87-010-213-080	C-CAP,S	0.015-50 B	C625	87-010-178-080	CHIP	CAP 1000P
C438	87-010-405-080	CAP,	ELECT 10-50V	C626	87-010-178-080	CHIP	CAP 1000P
C439	87-010-401-010	CAP,	ELECT 1-50V	C627	87-010-178-080	CHIP	CAP 1000P
C442	87-010-405-080	CAP,	ELECT 10-50V	C628	87-010-178-080	CHIP	CAP 1000P
C455	87-010-194-080	CAP,	CHIP 0.047	C629	87-010-178-080	CHIP	CAP 1000P
CF1	82-785-747-080	CF,MS2	GHY,R	C630	87-010-178-080	CHIP	CAP 1000P
CF2	82-785-747-080	CF,MS2	GHY,R	C651	87-010-405-080	CAP,	ELECT 10-50V
CF3	82-785-747-080	CF,MS2	GHY,R	CN610	87-099-761-010	CONN,23P	H 9604
CF4	87-A91-094-010	FLTR,CDA10.7	MG80A	CN630	87-A60-076-010	CONN,12P	H 9604S-12F
CN210	87-049-919-010	CONN,3P	EH V WHT	CN660	87-A60-916-010	CONN,5P	B TSK-B05X-A1
CN220	87-049-469-010	CONN,4P	V				
CN230	87-A60-915-010	CONN,16P	H TSK-B16P-A1				
CN260	87-A60-914-010	CONN,5P	H TSK-B05P-A1				
CN320	87-049-469-010	CONN,4P	V				

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
CN670	87-A60-917-010		CONN,16P B TSK-B16X-A1	C582	87-010-196-080		CHIP CAPACITOR,0.1-25
L601	87-003-102-080		COIL, 10UH	C583	87-010-405-080		CAP, ELECT 10-50V
L603	87-005-847-080		COIL,2.2UH(CECS)	C584	87-012-156-080		C-CAP,S 220P-50 CH
L604	87-005-847-080		COIL,2.2UH(CECS)	C585	87-010-405-080		CAP, ELECT 10-50V
L605	87-005-847-080		COIL,2.2UH(CECS)	C586	87-012-156-080		C-CAP,S 220P-50 CH
X601	87-030-273-010		VIB,XTAL 32.768K5PPM	C587	87-010-322-080		C-CAP,S 100P-50 CH
X602	87-030-376-080		VIB,CER CSA5.76MG200	C588	87-018-209-080		CAP, CER 0.1-50V
CD C.B				C589	87-010-322-080		C-CAP,S 100P-50 CH
C501	87-010-197-080		CAP, CHIP 0.01 DM	C590	87-010-322-080		C-CAP,S 100P-50 CH
C502	87-010-221-080		CAP, ELECT 470-10V	C591	87-010-322-080		C-CAP,S 100P-50 CH
C503	87-010-221-080		CAP, ELECT 470-10V	C592	87-010-322-080		C-CAP,S 100P-50 CH
C504	87-010-197-080		CAP, CHIP 0.01 DM	C593	87-010-196-080		CHIP CAPACITOR,0.1-25
C506	87-018-209-080		CAP, CER 0.1-50V	C594	87-010-178-080		CHIP CAP 1000P
C507	87-018-209-080		CAP, CER 0.1-50V	CN510	87-099-554-010		CONN,6P TUC-P6X-B1
C508	87-A10-381-080		CAP,E 1000-10 RE	CN520	87-A60-424-010		CONN,16P V TOC-B
C509	87-010-197-080		CAP, CHIP 0.01 DM	CN550	87-009-030-010		CONNECTOR 2P PH M
C510	87-010-197-080		CAP, CHIP 0.01 DM	CNA510	87-099-554-010		CONN,6P TUC-P6X-B1
C511	87-010-263-080		CAP, ELECT 100-10V	FFC1	82-CHB-622-010		FF-CABLE, 16P 1.0 150MM CD-RF
C513	87-018-209-080		CAP, CER 0.1-50V	L501	87-003-102-080		COIL, 10UH
C514	87-018-209-080		CAP, CER 0.1-50V	L502	87-008-372-010		FILTER, EMI BL OIRNI
C515	87-012-157-080		C-CAP,S 330P-50 CH	L504	87-005-847-080		COIL,2.2UH(CECS)
C516	87-010-545-080		CAP, ELECT 0.22-50V	L505	87-008-372-010		FILTER, EMI BL OIRNI
C525	87-010-176-080		C-CAP,S 680P-50 SL	L506	87-003-102-080		COIL, 10UH
C527	87-010-186-080		CAP,CHIP 4700P	SFR501	87-024-176-080		SEMI-FIXED RESISTOR, 100K
C528	87-012-156-080		C-CAP,S 220P-50 CH	X501	81-592-641-080		CERALOCK 16.93MHZ
C529	87-010-545-080		CAP, ELECT 0.22-50V	KEY-R C.B			
C530	87-012-140-080		CAP 470P	D641	87-A40-623-010		LED,L-34GDSL GRN
C531	87-010-374-080		CAP, ELECT 47-10V	D642	87-A40-623-010		LED,L-34GDSL GRN
C532	87-010-401-080		CAP, ELECT 1-50V	S608	87-A90-164-080		SW,TACT SKQAB(N)
C533	87-010-184-080		CHIP CAPACITOR 3300P(K)	S609	87-A90-164-080		SW,TACT SKQAB(N)
C535	87-010-145-080		C-CAP,S 1P	S610	87-A90-164-080		SW,TACT SKQAB(N)
C536	87-010-312-080		C-CAP,S 15P-50 CH	KEY-L C.B			
C538	87-010-196-080		CHIP CAPACITOR,0.1-25	S613	87-A90-164-080		SW,TACT SKQAB(N)
C539	87-010-404-080		CAP, ELECT 4.7-50V	S620	87-A90-164-080		SW,TACT SKQAB(N)
C540	87-010-196-080		CHIP CAPACITOR,0.1-25	S621	87-A90-164-080		SW,TACT SKQAB(N)
C541	87-010-405-080		CAP, ELECT 10-50V	POWER C.B			
C543	87-010-401-080		CAP, ELECT 1-50V	C901	87-A11-132-080		CAP,TC U 0.01-50 K B
C545	87-010-197-080		CAP, CHIP 0.01 DM	C902	87-A11-132-080		CAP,TC U 0.01-50 K B
C546	87-010-374-080		CAP, ELECT 47-10V	C903	87-A11-132-080		CAP,TC U 0.01-50 K B
C547	87-010-263-080		CAP, ELECT 100-10V	C904	87-A11-132-080		CAP,TC U 0.01-50 K B
C548	87-010-248-080		CAP, ELECT 220-10V	CN910	87-049-919-010		CONN,3P EH V WHT
C549	87-010-198-080		CAP, CHIP 0.022	F901 87-A90-092-080			
C550	87-010-374-080		CAP, ELECT 47-10V				PROTECTOR,2.5A 491
C551	87-010-178-080		CHIP CAP 1000P	BATT C.B			
C552	87-010-197-080		CAP, CHIP 0.01 DM	CD MOTOR C.B			
C553	87-010-248-080		CAP, ELECT 220-10V	M2	9X-262-576-910		MOTOR GEAR ASSY
C554	87-010-263-080		CAP, ELECT 100-10V	PIN3	91-564-722-110		CONNECTOR 6P
C555	87-010-403-080		CAP, ELECT 3.3-50V	SW1	91-572-085-120		LEAF SW
C556	87-010-197-080		CAP, CHIP 0.01 DM				
C557	87-010-196-080		CHIP CAPACITOR,0.1-25				
C558	87-010-197-080		CAP, CHIP 0.01 DM				
C559	87-010-315-080		C-CAP,S 27P-50 CH				
C560	87-010-263-080		CAP, ELECT 100-10V				
C561	87-010-196-080		CHIP CAPACITOR,0.1-25				
C562	87-010-196-080		CHIP CAPACITOR,0.1-25				
C563	87-012-156-080		C-CAP,S 220P-50 CH				
C564	87-018-121-080		CAP, CER 150P-50V				
C565	87-010-263-080		CAP, ELECT 100-10V				
C566	87-010-196-080		CHIP CAPACITOR,0.1-25				
C569	87-010-404-080		CAP, ELECT 4.7-50V				
C571	87-010-248-080		CAP, ELECT 220-10V				
C572	87-010-196-080		CHIP CAPACITOR,0.1-25				
C573	87-010-196-080		CHIP CAPACITOR,0.1-25				
C574	87-018-134-080		CAPACITOR,TC-U 0.01-16				
C575	87-010-312-080		C-CAP,S 15P-50 CH				
C576	87-010-312-080		C-CAP,S 15P-50 CH				
C578	87-018-209-080		CAP, CER 0.1-50V				
C579	87-010-263-080		CAP, ELECT 100-10V				

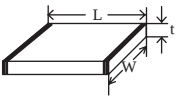
○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding



チップ抵抗
Chip resistor

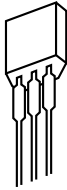
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B

2SA1015
2SA1296
2SA1318
2SC1815
2SC1923
2SC2001
2SC2878



E C B

2SA933S
2SC1740S
DTC114TS
DTC114YS
DTC124ES
DTC124XS



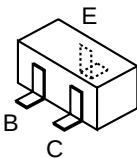
B C E

2SB1370



S G D

2SJ103



DTC114TK
DTC124XK

IC DESCRIPTION

IC, LC78622ED

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	ISSET	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+, CLK–	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.	
23	VDD	—	Digital system power supply pin.	
24-28	CONT1-CONT5	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.
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
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	N.C.	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin.
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.

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.
48	EFLG	O	C1, C2, single and dual correction monitoring pin.
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.
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.
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	$\overline{\text{CQCK}}$	I	Command input read clock or subcode read input clock from SQOUT pin
58	$\overline{\text{RES}}$	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).
60	16M	O	16.9344 MHz output pin.
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	$\overline{\text{CS}}$	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

IC, LA9241ML

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	O	Single ended output of the CV+ and CV– pin input signal.
24	SPI	I	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.

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.

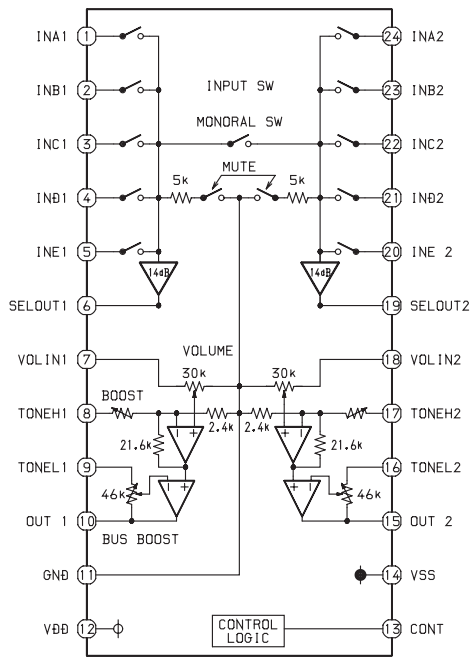
IC, LC867132V-5H52

Pin No.	Pin Name	I/O	Description
1	O-RMC	O	CD read/write control and TU chip enable
2	O-DATA	O	Data for shift register 2092, PLL LC72121 and IC M62439.
3	O-CLK	O	Clock for shift register 2092 and PLL LC72121.
4	–	–	Not connected.
5	O-CLKSFT	O	Clock shift output for system microprocessor
6	I-HOLD	I	Hold status detection. "H": HOLD
7	I- $\overline{\text{RST}}$	I	Microprocessor reset. ("L" when reset)
8	XT1	I	Connected to 32.768kHz crystal.
9	XT2	O	
10	VSS1	–	GND
11	CF1	I	Connected to 6 MHz ceramic lock.
12	CF2	O	
13	VDD1	–	Microprocessor power supply (μ -com 5 V).
14	FM ST.	I	FM stereo detection input.
15	I-KEY0	I	Key AD input.
16	I-CDSW	I	CD tray open/close status detection input (AD)
17	I-KEY1	I	Operation key A/D input.
18	I-MOTOR	I	DECK mechanism motor control input.
19	I-REC	I	Tape record detection input.
20	–	–	Not connected.
21	I-TUDO	I	Data input from tuner LC72121.
22 ~ 24	–	–	Not connected.
25	O-INT	O	Initial diode matrix detection output.
26	I-DRF	I	CD (DETECT RF) RE level detection input.
27	I-WRQ	I	CD subcode Q standby input.
28	I-REMO	I	Remote input.
29 ~ 40	S0 ~ S11	O	LCD common output.
41	VDD3	–	Microprocessor power supply (μ -com 5 V).
42	VSS3	–	GND.
43 ~ 44	S12 ~ S13	O	LCD segment outputs.
45 ~ 50	S16 ~ S21	O	LCD segment outputs.
51 ~ 54	–	–	Not connected.
55	O-CD LED	O	CD LED ON/OFF output.
56	O-TU LED	O	RADIO LED ON/OFF output.
57	–	–	Not connected.
58	O-ROCK LED	O	ROCK LED ON/OFF output.
59	O-POP LED	O	POP LED ON/OFF output.
60	O-JAZZ LED	O	JAZZ LED ON/OFF output.
61 ~ 63	–	–	Not connected.
64 ~ 66	COM0 ~ COM2	O	LCD common outputs.
67	–	–	Not connected.

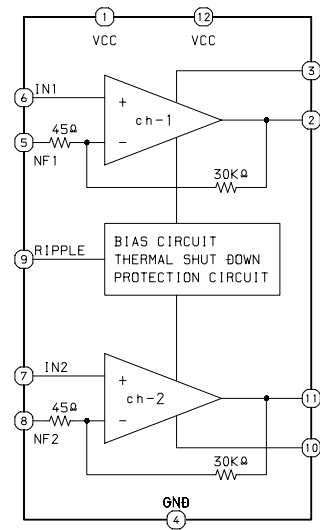
Pin No.	Pin Name	I/O	Description
68	VSS2	–	GND.
69	VDD2	–	Microprocessor power supply.
70	O-CD ON	O	CD power supply control output.
71	O-TU ON	O	Tuner power supply control output.
72	O-P CONT	O	Unit power control output.
73	–	–	Not connected.
74	O-MUTE	O	Main muting output.
75	–	–	Not connected.
76	O-BEAT CONT	O	AM record beat control output.
77	–	–	Not connected.
78	O-COIN	O	CD command output.
79	I-SQOUT	I	CD subcode Q input.
80	D-CQCK	O	Clock for CD command and subcode.

IC BLOCK DIAGRAMS

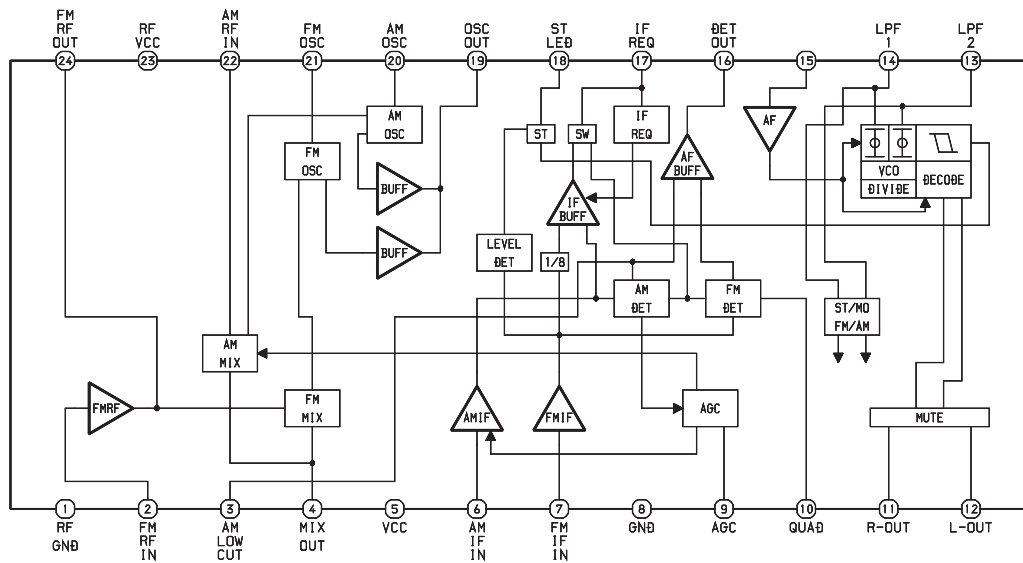
IC, M62495FP



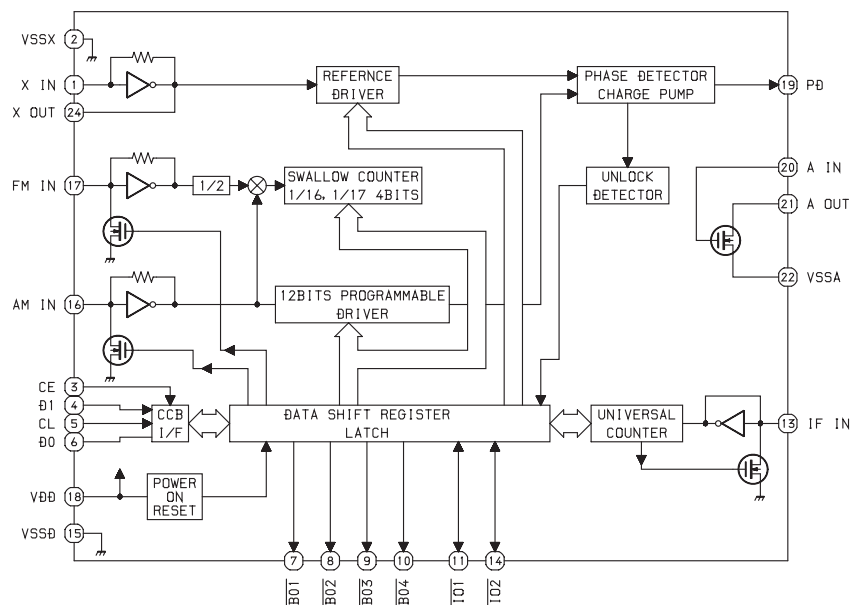
IC, TA8227P



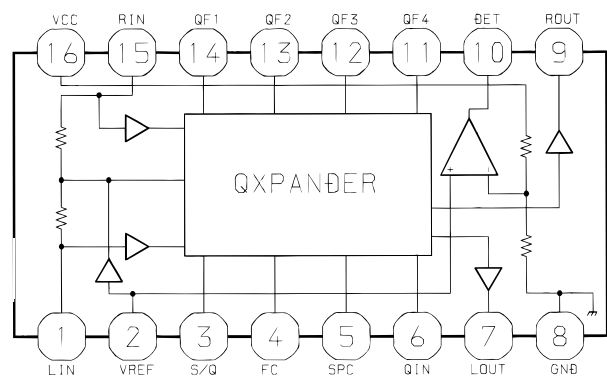
IC, TA2104AN



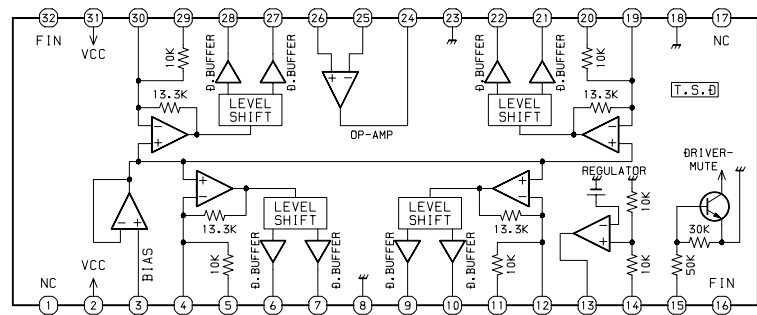
IC, LC72121M



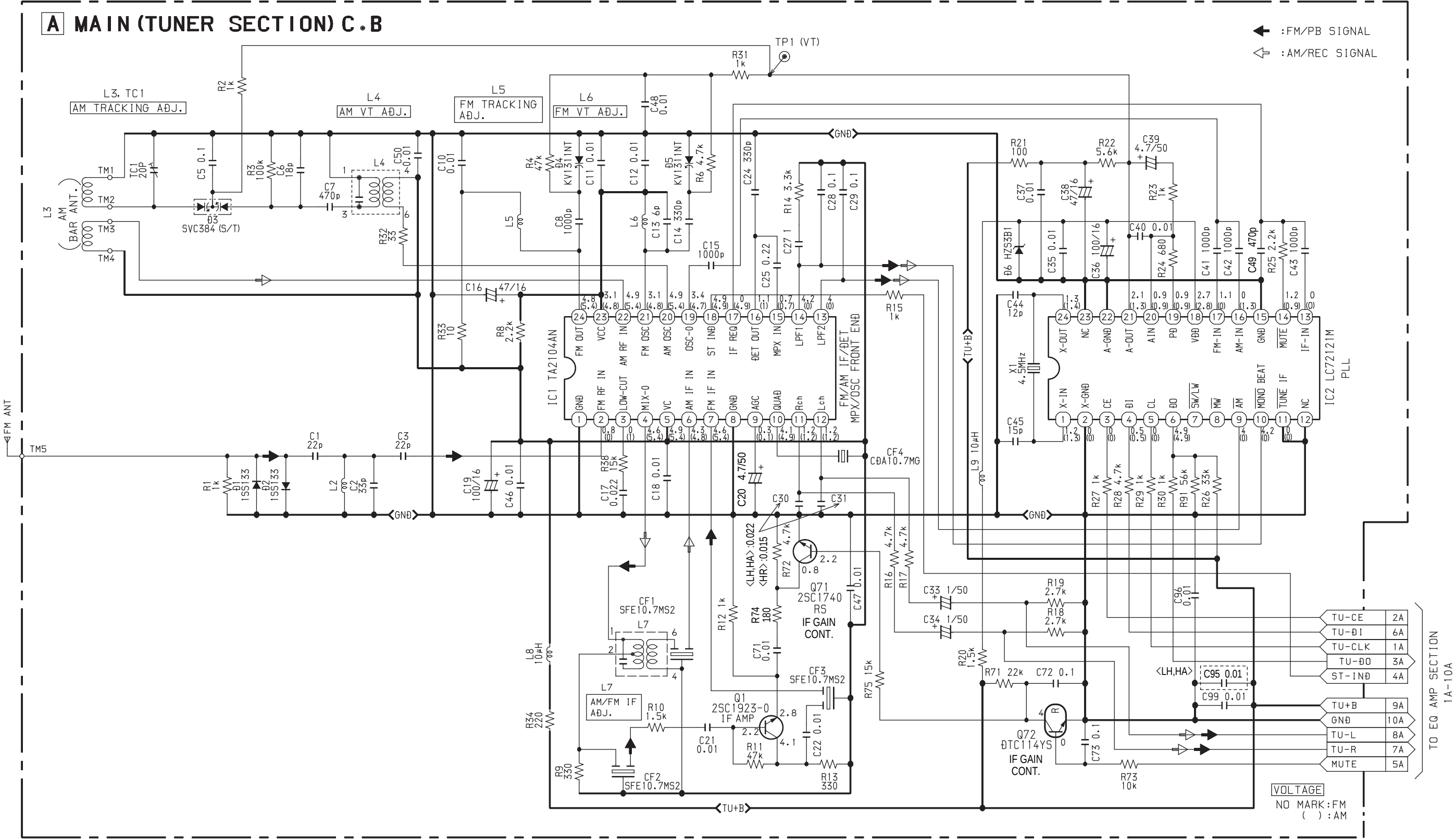
IC, MM1434XF



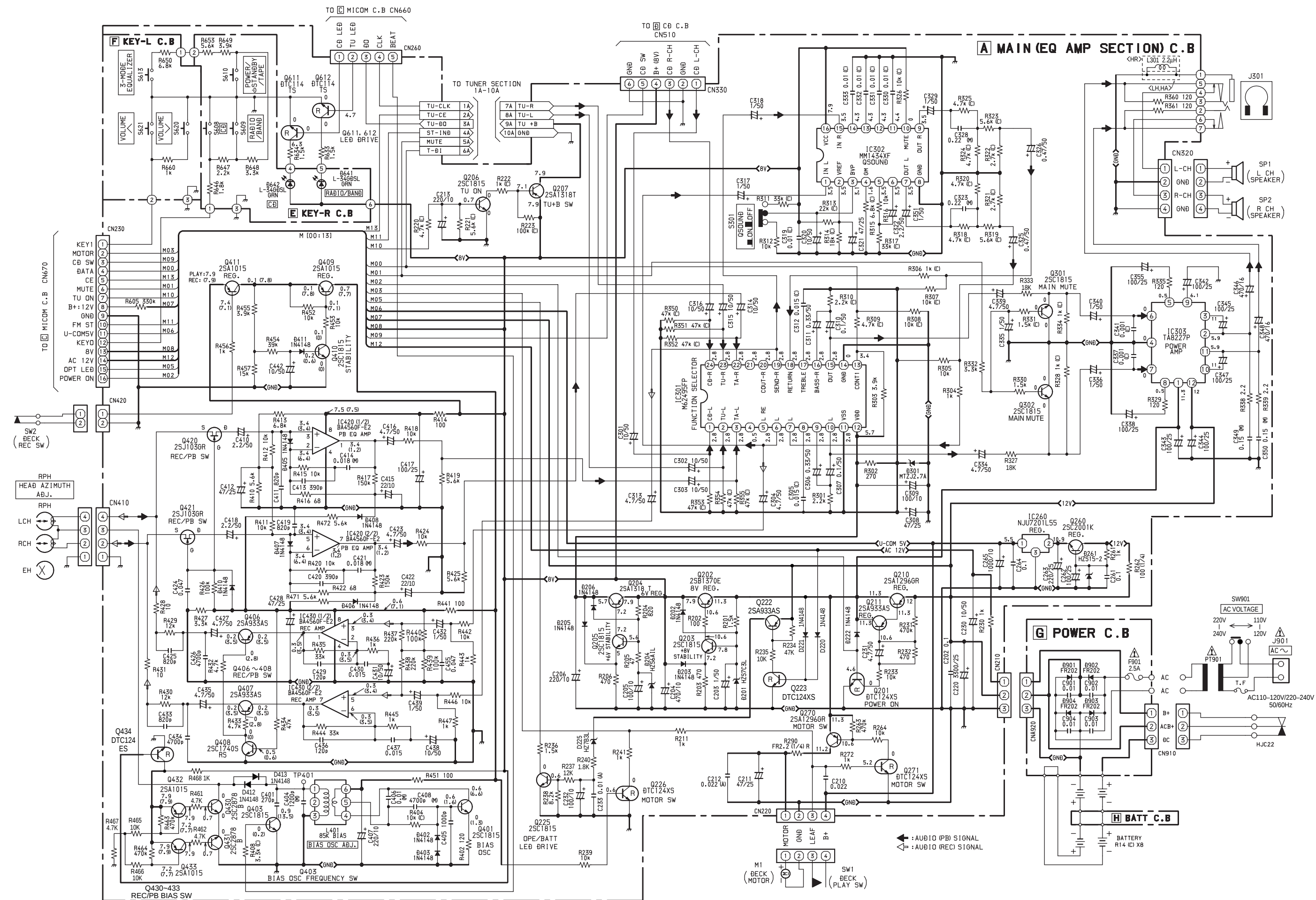
IC, BA6898S



SCHEMATIC DIAGRAM-1 (MAIN-TUNER SECTION)



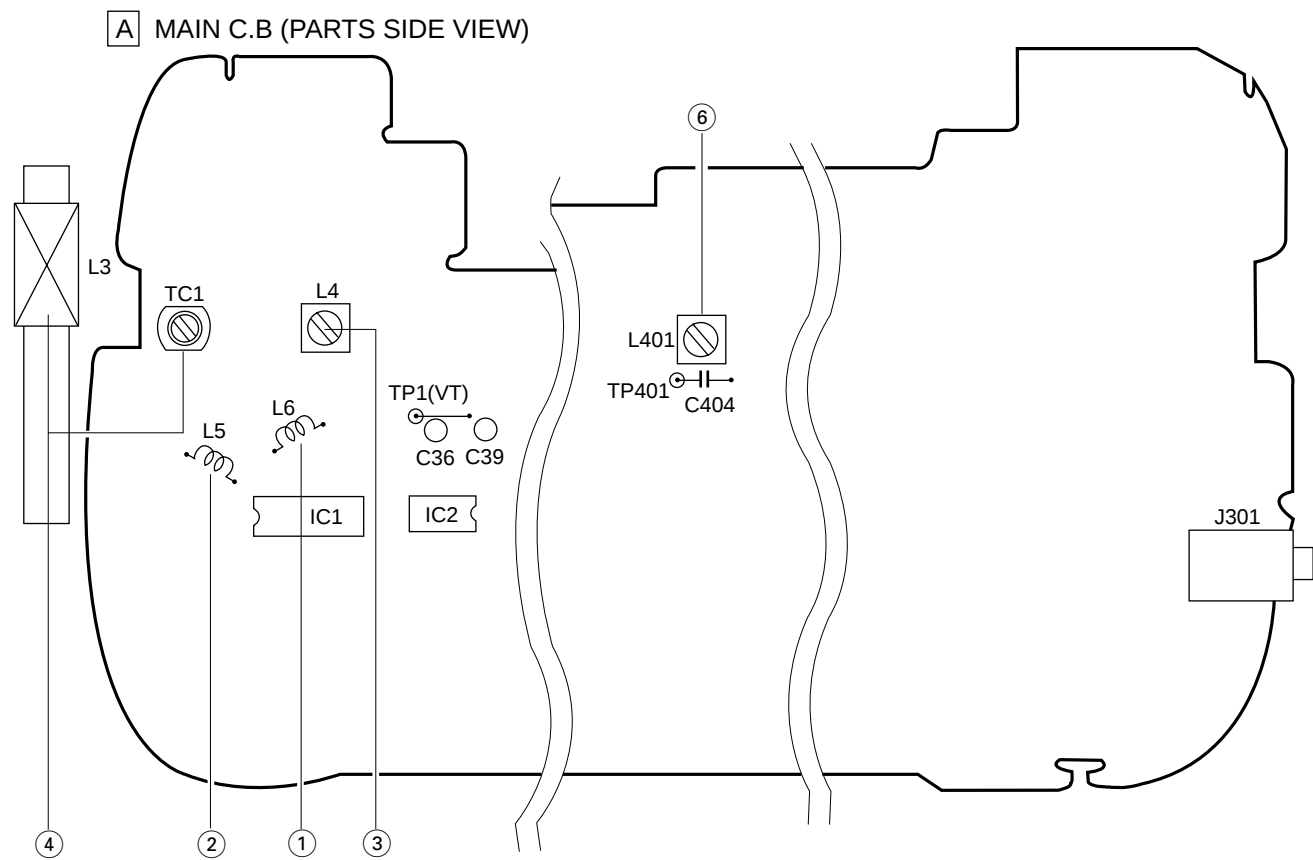
SCHEMATIC DIAGRAM-2 (MAIN-EQ AMP, POWER, BATT, KEY-L, R SECTION)



The diagram is a comprehensive schematic of a car stereo circuit board, organized into several functional sections labeled A through F. A coordinate grid is provided at the top, with horizontal labels 1 through 14 and vertical labels A through J.

- Section A: MAIN C.B.** This is the largest section, containing the main processing ICs (IC260, IC301, IC302, IC303, IC401, IC402, IC403, IC404, IC405, IC406, IC407, IC408, IC409, IC410, IC411, IC412, IC413, IC414, IC415, IC416, IC417, IC418, IC419, IC420, IC421, IC422, IC423, IC424, IC425, IC426, IC427, IC428, IC429, IC430, IC431, IC432, IC433, IC434, IC435, IC436, IC437, IC438, IC439, IC440, IC441, IC442, IC443, IC444, IC445, IC446, IC447, IC448, IC449, IC450, IC451, IC452, IC453, IC454, IC455, IC456, IC457, IC458, IC459, IC460, IC461, IC462, IC463, IC464, IC465, IC466, IC467, IC468, IC469, IC470, IC471, IC472, IC473, IC474, IC475, IC476, IC477, IC478, IC479, IC480, IC481, IC482, IC483, IC484, IC485, IC486, IC487, IC488, IC489, IC490, IC491, IC492, IC493, IC494, IC495, IC496, IC497, IC498, IC499, IC500, IC501, IC502, IC503, IC504, IC505, IC506, IC507, IC508, IC509, IC510, IC511, IC512, IC513, IC514, IC515, IC516, IC517, IC518, IC519, IC520, IC521, IC522, IC523, IC524, IC525, IC526, 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ELECTRICAL ADJUSTMENT



<TUNER SECTION>

1. FM VT Adjustment
Settings: • Test point: TP1 (VT)
• Adjustment location: L6
Method: Set to FM 108.0 MHz and adjust L6 so that the test point becomes 5.6 V ± 0.2 V.
2. FM Tracking Adjustment
L5 90.0 MHz
3. AM VT Adjustment
Settings: • Test point: TP1 (VT)
• Adjustment location: L4
Method: Set to AM 1710 kHz and adjust L4 so that the test point becomes 6.0 V ± 0.2 V.
4. AM Tracking Adjustment
L3 600 kHz
TC1 1400 kHz

<DECK SECTION>

5. Head Azimuth Adjustment
Settings: • Test tape: TTA-320
• Test point: J301 (Phones jack)
• Adjustment location: Head Azimuth Adjustment Screw
Method: Play back the 8 kHz signal of test tape and adjust screw so that the output becomes maximum.
6. Bias OSC Frequency Adjustment
Settings: • Test point: TP401
• Adjustment location: L401
Method: Set to recording mode and adjust L401 so that the test point becomes 85 kHz ± 1 kHz

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>	
IHF Sensitivity:	Less than 18 dB
(THD 3 %)	[at 87.5/98.0/108.0 MHz]
Signal to noise ratio:	More than 58 dB
(Input - 54 dB)	[at 98.0 MHz]
Distortion:	Less than 3.0%
(Input - 54 dB)	[at 98.0 MHz]
Stereo separation:	More than 20 dB
	[at 98.0 MHz]
Intermediate frequency:	10.7 MHz

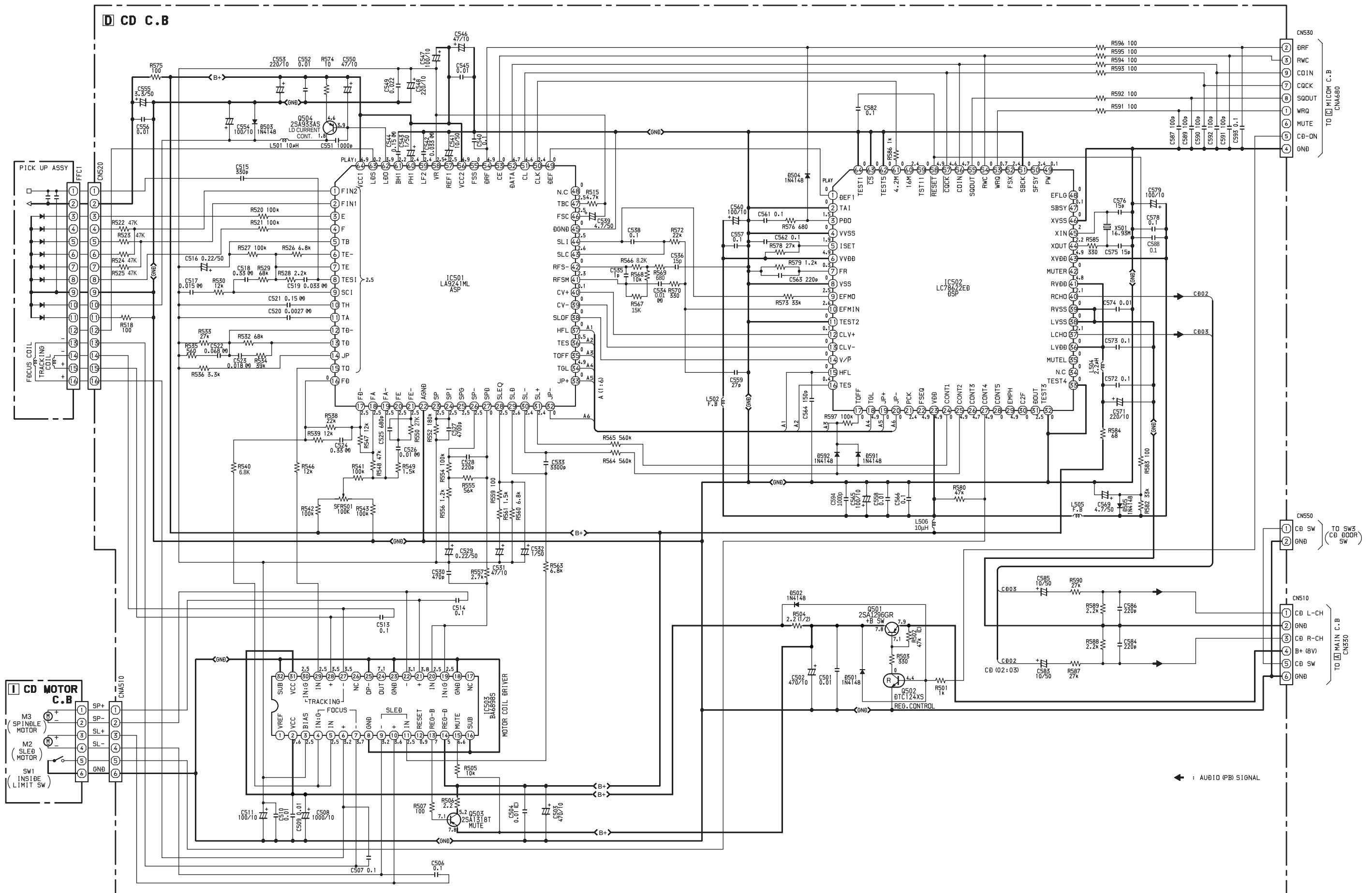
<AM SECTION>

Sensitivity:	Less than 50 dB
(S/N 10 dB)	[at 600 kHz]
	Less than 48 dB
	[at 1000 kHz]
	Less than 44 dB
	[at 1400 kHz]
Signal to noise ratio:	More than 34 dB
(Input -74dB)	[at 1000 kHz]
Distortion:	Less than 1.5%
(Input -74 dB)	[at 1000 kHz]
Intermediate frequency:	450 kHz

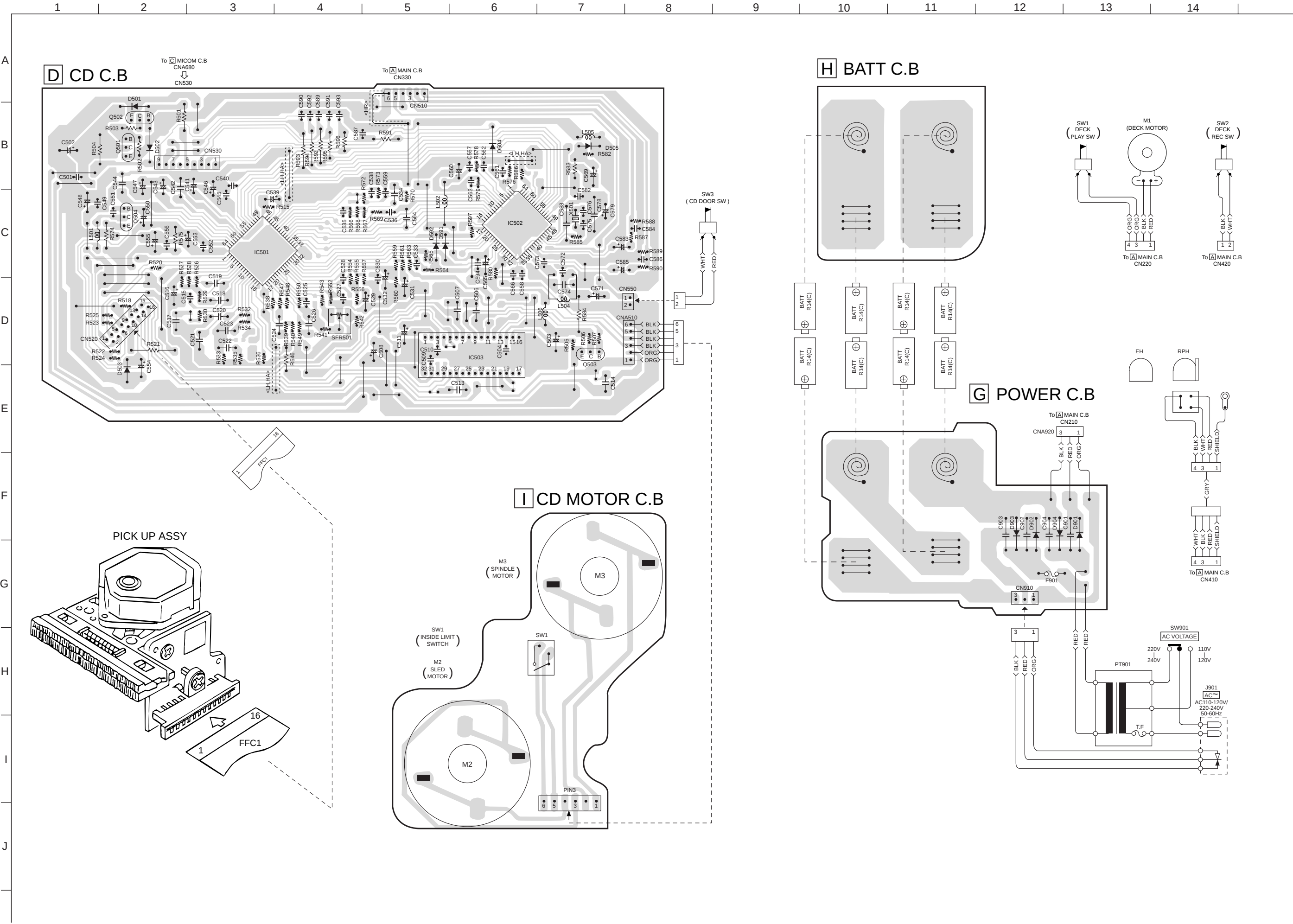
<DECK SECTION>

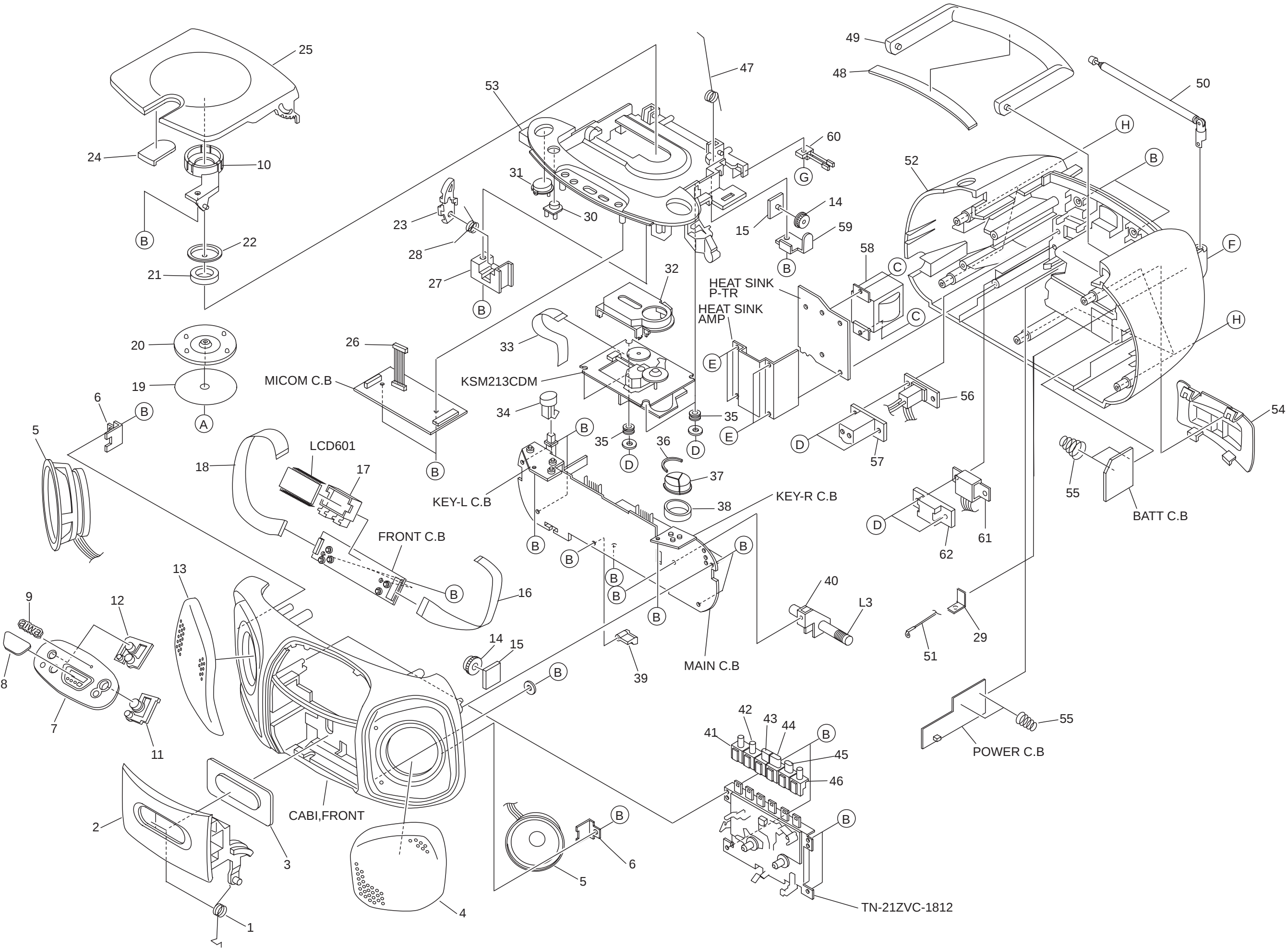
Tape speed:	3000 Hz ± 60 Hz
Wow & flutter:	Less than 0.35%
	(JIS RMS)
Take-up torque:	30 ~ 60 g-cm
F.F & REW torque	55 ~ 140 g-cm
Back tension:	1 ~ 5 g-cm
S/N ratio:	More than 50 dB
	(PB, SP OUT, DC)
	More than 44 dB
	(PB, SP OUT, AC)
Distortion:	Less than 2.0%
	(PB, SP OUT, DC)
	Less than 2.5%
	(R/PB, SP OUT, DC)
Noise level	Less than 20 mV
	(PB, SP OUT, VOL MAX, AC)
	Less than 25 mV
	(R/PB, SP OUT, VOL MAX, AC)

SCHEMATIC DIAGRAM-4 (CD SECTION)



WIRING-2 (CD, POWER, BATT SECTION)





MECHANICAL MAIN PARTS LIST 1/1

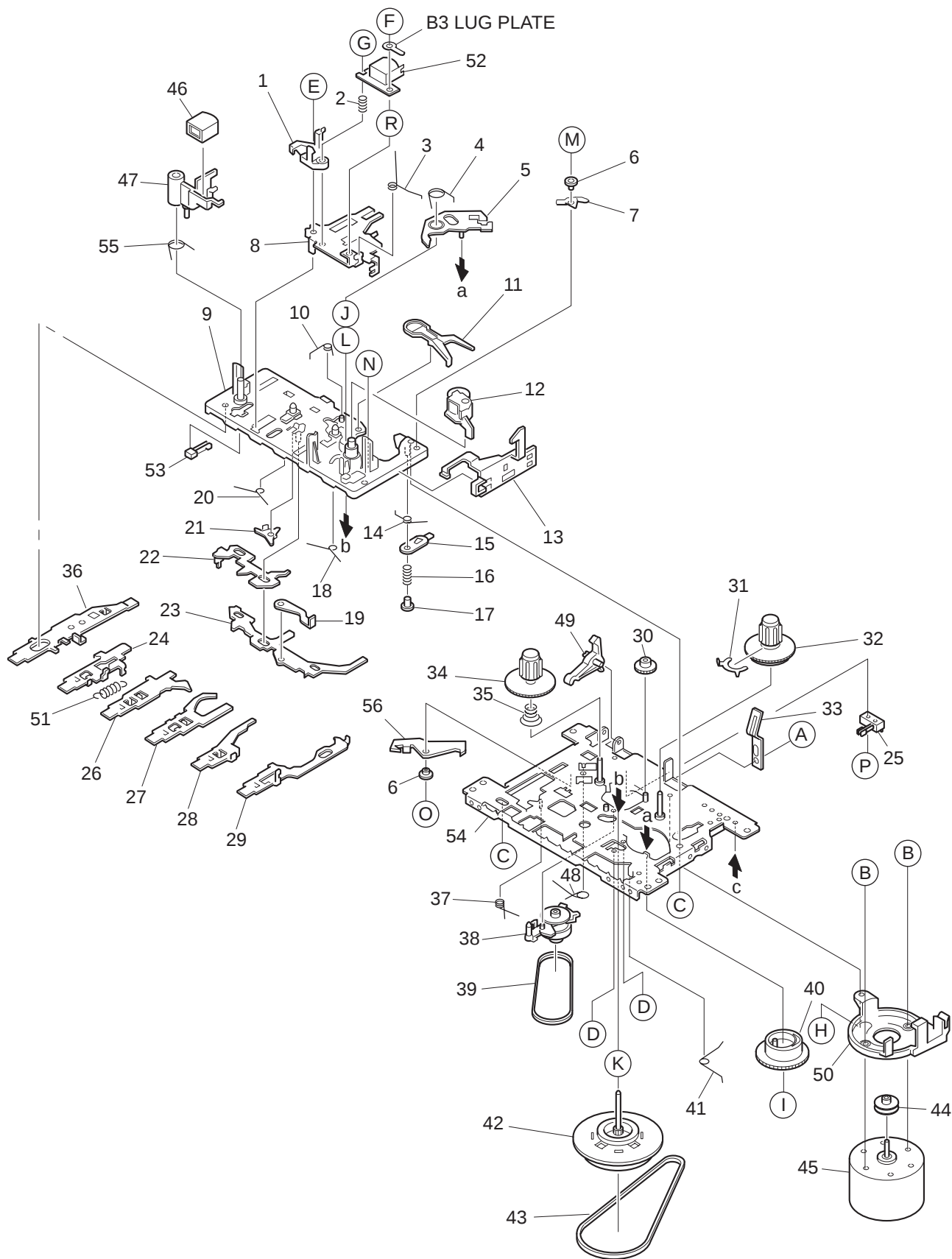
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-CDB-210-010		SPR-T, LID CASS	39	8Z-CDB-212-010		HLDR, PWB
2	8Z-CDB-006-010		LID, CASS<HR>	40	8Z-CDB-215-010		HLDR, BAR ANT
2	8Z-CDB-044-010		LID, CASS(U)<LH, HA>	41	8Z-CDB-019-010		KEY, CASS PAUSE
3	8Z-CDB-008-010		WINDOW, CASS	42	8Z-CDB-021-010		KEY, CASS STOP
4	8Z-CDB-013-010		GRILLE, SPKR R	43	8Z-CDB-022-010		KEY, CASS FF
5	88-CD8-622-010		SPKR, F 77 70HM 3W	44	8Z-CDB-023-010		KEY, CASS REW
6	8Z-CDB-208-010		HLDR, SPKR	45	8Z-CDB-020-010		KEY, CASS PLAY
7	8Z-CHB-016-010		PANEL, FRONT(U)	46	8Z-CDB-018-010		KEY, CASS REC
8	8Z-CHB-007-010		WINDOW, LCD(EX)	47	8Z-CDB-211-010		SPR-T, LID CD
9	84-CD8-083-010		BADGE, AIWA 30.5-5.2 2.5LEAD	48	8Z-CDB-015-010		COVER, HANDLE
10	8Z-CDB-215-010		HLDR, LID CD	49	8Z-CDB-014-010		ARM, MAIN HANDL
11	8Z-CDB-026-010		KEY, CD A	50	87-043-116-010		ANT, WHIP
12	8Z-CDB-027-010		KEY, CD B	51	8Z-CHB-625-010		WIRE ASSY, 260 26 FM-ANT
13	8Z-CDB-012-010		GRILLE, SPKR L	52	8Z-CHB-015-010		CABI, REAR(U)
14	84-CD5-215-010		GEAR	53	8Z-CHB-033-010		CHAS, CD SYNTH EX
15	84-CD5-216-010		BRACKET	54	8Z-CDB-007-010		LID, BATT
16	8Z-CHB-620-010		FF-CABLE, 23P 1.25 140MM DISP	55	88-CD8-209-010		SPR-C, BATT
17	8Z-CHB-207-010		HLDR, LCD	56	87-A60-178-010		JACK, AC E W/SW
18	8Z-CHB-619-010		FF-CABLE, 12P 1.25 140MM FRONT	57	88-CD9-207-010		COVER, AC SOCKET
19	88-CD9-211-010		RING, CHUCK	58	8Z-CDB-622-010		PT, H
20	88-CD9-210-010		BASE, CHUCK	59	88-CD8-222-010		SPR-P, DAMP CD
21	87-036-368-010		MAGNET	60	81-590-677-010		SWITCH LEAF
22	84-CT5-209-010		PLATE, MAGNET	61	87-A90-146-010		SW, SL 1-1-2
23	87-CD7-206-010		DOOR, CD LOCKER	62	87-A90-147-010		COVER, AC SEL SW
24	8Z-CDB-009-010		WINDOW, CD	A	87-751-034-410		SCREW VT2+2-5
25	8Z-CHB-030-010		LID, CD	B	87-261-096-410		SCREW, V+3-10 GLD
26	8Z-CHB-621-010		CONN ASSY, 9P CD	C	87-661-096-410		SCREW, VFT1+3-10
27	87-CD7-207-010		HLDR, LOCKER	D	87-741-074-410		UT2+2.6-8
28	82-CD8-212-010		SPR-T, CAM CD	E	87-741-096-410		UT2+3-10
29	8Z-CDB-222-010		PLATE, FM	F	87-745-094-410		UT2+3-6
30	8Z-CDB-025-010		KEY, EQ	G	87-651-035-410		VT1 2-6 GLD
31	8Z-CDB-016-010		KEY, VOL	H	87-741-104-410		UT+3-30 W/O SLOT
32	88-CH6-019-010		PANEL, CD				
33	8Z-CHB-622-010		FF-CABLE, 16P 1.0 150MM CD-RF				
34	8Z-CDB-024-010		KEY, Q-SOUND				
35	88-CT6-206-010		CUSHION, CD				
36	8Z-CDB-037-010		LENS, LED				
37	8Z-CDB-048-010		KEY, FUNCT(U)<LH, HA>				
37	8Z-CDB-017-010		KEY, FUNCTION<HR>				
38	8Z-CDB-204-010		HLDR, KEY FUNC				

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		

TAPE MECHANISM EXPLODED VIEW 1/1

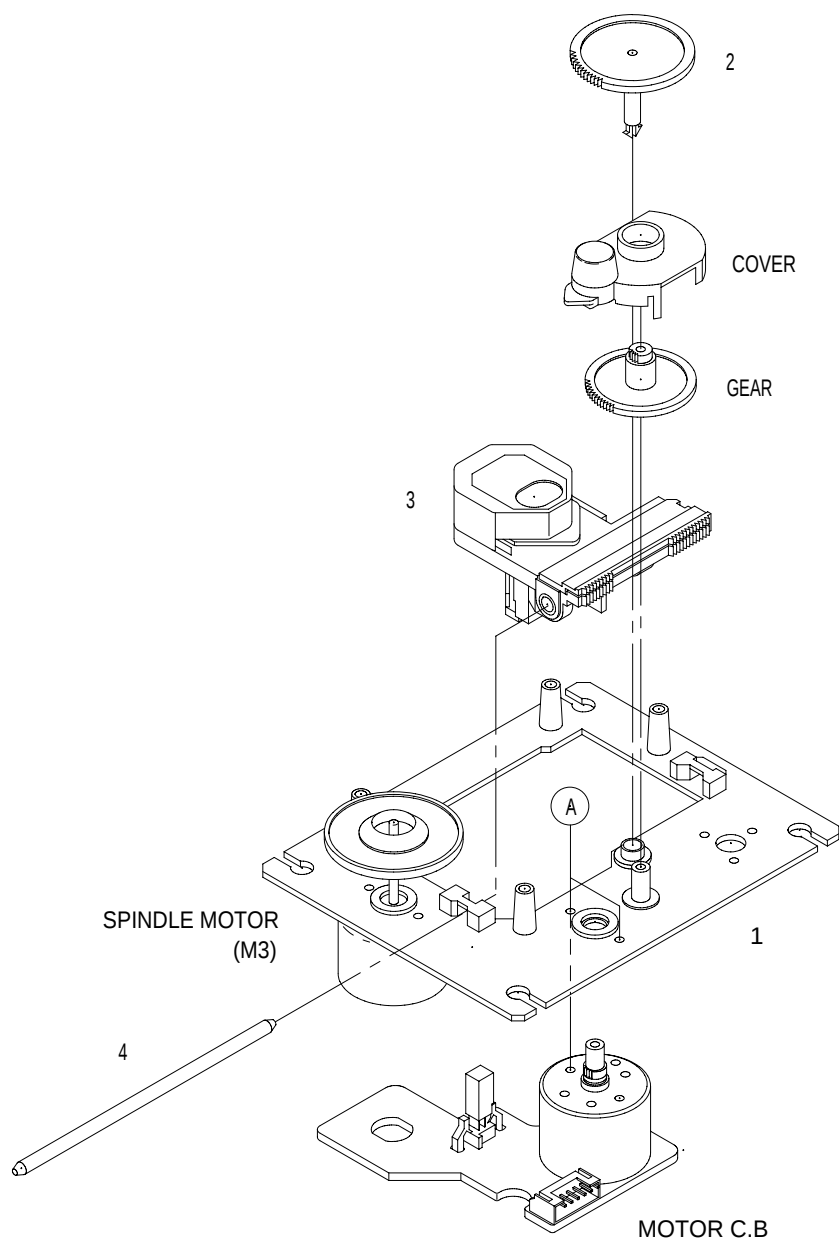


TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
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	S1-921-030-4A0	0E	HEAD BASE	41	S1-921-140-160	0E	E ACTUATOR SPRING
2	S1-821-030-070	0E	AZIMUTH SPRING	42	S1-921-093-030	1F	FLYWHEEL ASSY
3	S1-921-030-090	0E	PANEL P SPRING	43	S1-921-090-040	1C	MAIN BELT
4	S1-921-260-050	0E	GEAR PLATE SPRING	44	S1-921-120-010	0E	MOTOR PULLEY
5	S1-921-265-020	1B	GEAR PLATE ASSY	45	S6-002-030-220	2M	MOTOR EG530AD-2B
6	S1-921-140-370	0E	P ARM COLLER	46	S6-209-100-100	1B	E HEAD PH-K380-MS1
7	S1-921-140-340	1A	P ARM	47	S1-921-030-050	0E	MG ARM
8	S1-921-030-110	1A	HEAD PANEL	48	S1-921-140-210	0E	REC BUTTON LEVER SPRING
9	S1-921-143-160	1C	BASE ASSY	49	S1-821-100-690	0E	RECORD SAFETY LEVER
10	S1-921-141-8A0	0E	M CONTROL SPRING	50	S1-821-128-9A0	1A	MOTOR BRACKET
11	S1-921-260-4A0	0E	SENSING LEVER	51	S1-821-010-500	0E	PLAY BUTTON LEVER SPRING
12	S1-921-043-100	1C	PINCH ROLLER ARM ASSY	52	S6-201-011-110	1E	HEAD,RP7442ES-0951
13	S1-921-130-010	0E	EJECT SLIDE LEVER	53	S6-401-011-520	1B	LEAF SW MSW-1541F
14	S1-921-141-3A0	0E	P CONTROL SPRING	54	S1-921-015-010	1D	CHASSIS ASSY
15	S1-921-140-550	0E	PAUSE LEVER(E)	55	S1-921-030-100	0E	MG ARM SPRING
16	S1-921-140-120	0E	PAUSE LEVER SPRING	56	S1-921-020-010	0E	REC ARM
17	S1-921-140-110	0E	PAUSE STOPPER	A	S9-P04-200-310	0E	C TAPPING SCREW 2-3
18	S1-921-140-150	0E	BUTTON LEVER SPRING(B)	B	S1-921-120-020	0E	MOTOR COLLER SCREW
19	S1-821-011-590	0E	E KICK LEVER	C	S9-B10-200-510	0E	P TAPPING BIND SCREW M2-5
20	S1-921-140-140	0E	BUTTON LEVER SPRING(A)	D	S9-C07-204-510	0E	SCREW,TAPPING(CAMERA)M2-4.5
21	S1-921-140-200	0E	PR STOPPER	E	S9-P01-200-610	0E	SCREW,M2-6
22	S1-921-140-090	0E	SWITCH ACTUATOR	F	S9-P01-200-310	--	SCREW,M2-3
23	S1-921-140-080	0E	PUSH BUTTON ACTUATOR	G	S9-F08-200-710	0E	AZIMUTH SCREW M2-7
24	S1-921-140-190	0E	PLAY BUTTON LEVER	H	S1-921-120-030	0E	MB SCREW
25	S6-401-010-380	1B	LEAF SWITCH MSW-1275	I	S9-W02-300-100	0E	P WASHER CUT 1.2-3.8-0.3
26	S1-921-140-040	0E	REW BUTTON LEVER	J	S9-W02-500-100	0E	P WASHER CUT 1.45-3.8-0.5
27	S1-921-140-050	0E	FF,BUTTON LEVER	K	S9-W01-400-100	0E	P WASHER 2-3.5-0.4
28	S1-921-140-060	0E	STOP BUTTON LEVER	L	S9-W01-130-200	0E	P WASHER 2.1-4-0.13
29	S1-921-140-600	0E	PAUSE BUTTON LEVER	M	S9-P08-203-010	0E	PS TAPPING SCREW M2-3
30	S1-821-100-700	0E	FF GEAR	N	S9-P05-200-810	0E	SCREW,S TAP 2-8
31	S1-921-050-060	0E	SENSOR	O	S9-P04-200-410	0E	C TAPPING SCREW M2-4
32	S1-921-053-030	1E	TAKE UP REEL ASSY	P	S9-P04-200-510	0E	C TAPPING SCREW M2-5
33	S1-829-100-010	0E	PACK SPRING	R	S9-W13-000-100	0E	Y WASHER PB 0.1T
34	S1-921-053-040	1E	SUPPLY REEL ASSY				
35	S1-821-100-990	0E	BACK TENSION SPRING				
36	S1-921-140-030	0E	REC BUTTON LEVER				
37	S1-921-140-170	0E	P.S.LEVER SPRING				
38	S1-921-073-040	1F	RF CLUTCH ASSY				
39	S1-921-070-030	1C	RF BELT				
40	S1-921-260-020	0E	CAM GEAR				

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	9X-262-620-210		MOTOR CHASSIS ASSY
2	92-626-907-010		GEAR(A)
3	87-A90-468-010		PICK UP KSS-213C
4	92-626-908-010		SHAFT SLED
A	97-621-255-150		SCREW+P2-3



サービス技術ニュース	
番号	連絡内容
Gーー	
Gーー	
Gーー	

アイワ株式会社 〒110 東京都台東区池之端1-2-11 ☎03（3827）3111（代表）
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111