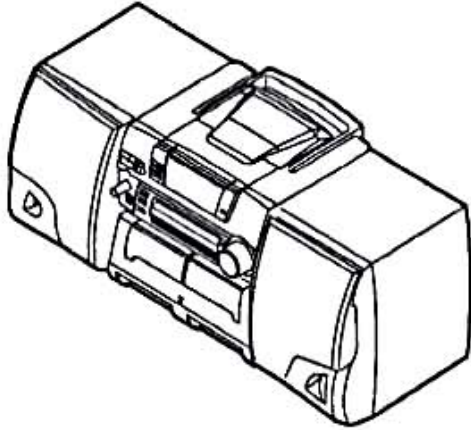


aiwa



CA-DW530



CD CARRY COMPONENT SYSTEM

- BASIC TAPE MECHANISM: TN-21ZSW-1694
- BASIC CD MECHANISM: KSM-213 CDM

• TYPE: LH,U

REVISION PUBLISHING

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" (S/M Code No. 09-983-258-40I).

S/M Code No. 09-985-251-5FE

299
MANUAL
3299
SERVICE

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 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

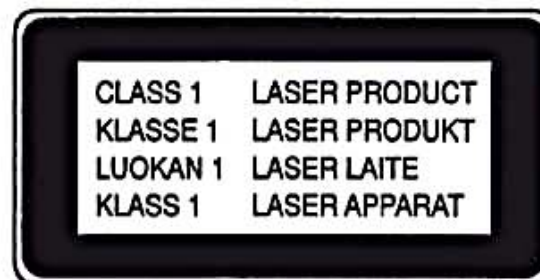
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

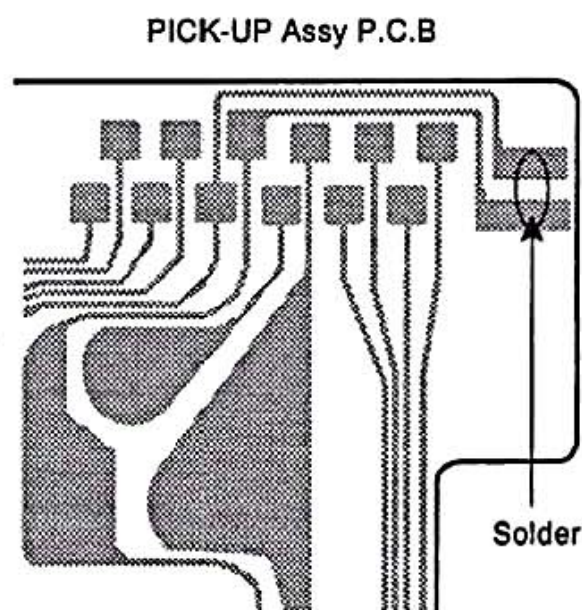


Precaution to replace Optical block

(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 right figure.



SPECIFICATIONS

<Tuner section> Frequency range	FM : 87.5 MHz – 108.0 MHz Antenna : Rod Antenna AM : 530/531 – 1710/1602 kHz (10/9 kHz step) Antenna : Ferrite bar antenna	<General section> Power requirement	DC 12 V using eight size D (R20) batteries, U : AC 120 V, 60 Hz LH : AC 110 – 120 V/220-240V switchable, 50/60 Hz 274 x 247 x 262 mm
<Deck section> Track format Frequency response	4 tracks, 2 channels Normal tape : 50 Hz – 12000 Hz (EIAJ)	Dimensions of main unit (W x H x D) Weight of main unit Power output Power consumption	Approx. 3.6 kg (excluding batteries) 4 W + 4 W (4 ohms, EIAJ) U : 22 W LH : 27W
Recording system Erasure system Heads	AC bias Magnet erase Deck 1 : Recording / playback / erasure head (1) Deck 2 : Playback head (1)	<Speaker> Type	100 mm cone type, 27 mm ceramic type 4 ohms
<CD player section> Disc Scanning method	Compact disc Non-contact optical scanner (semiconductor laser)	Impedance Allowable max.input Dimensions of main unit (W x H x D) Weight of main unit	7 W 179 x 235 x 243 mm Approx. 1.25 kg (X2)
Rotation speed Error correction	Approx. 500 – 200 rpm/CLV Cross interleave, Reed, Solomon code		
No.of channels D/A conversion	2 channels 1 bit DAC		

• Design and specifications are subject to change without notice.

ACCESSORIES / PACKAGE LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	88-CT6-905-010		IB,ESP<USTC>
1	88-CT6-906-010		IB,ESP<LHSC>
△	2	87-050-076-010	AC CORD SET ASSY,E<LHSC>
△	2	87-A80-027-010	AC CORD SET,U BLK SPT2<USTC>
3	87-CT6-951-010		RC UNIT,RC-6AT03
4	87-A90-312-010		PLUG,CONVERSION WTN-1157R1<LHSC>

ELECTRICAL MAIN PARTS LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C321	87-018-125-080		CAP, CER 330P-50V
	87-A20-187-010		IC,LC78622E	C322	87-018-125-080		CAP, CER 330P-50V
	88-CT6-601-010		IC,LC587008-1L10	C325	87-018-196-080		CAP, CER 1500P-16V
	87-A20-446-010		C-IC,LA9241M	C326	87-018-196-080		CAP, CER 1500P-16V
	87-A20-856-010		IC,BA6898S	C327	87-010-404-080		CAP, ELECT 4.7-50V
	87-A20-593-010		IC,SPS-442-1-A	C328	87-018-131-080		CAP, CER 1000P-50V
	87-020-828-010		IC,BA3416BL	C329	87-018-132-080		CAP, CER 2200P-16V
	87-001-440-010		IC,BA15218N	C331	87-010-374-080		CAP, ELECT 47-10V
	87-017-889-010		IC,NJM4558LD	C334	87-018-122-080		CAP 180P-50 B
	87-A20-946-040		C-IC,MM1434XF	C341	87-018-125-080		CAP, CER 330P-50V
	87-001-485-010		IC,TA8207K	C342	87-018-125-080		CAP, CER 330P-50V
	87-017-714-110		IC,LA1836(Z)	C343	87-018-125-080		CAP, CER 330P-50V
	87-070-127-110		IC,LC72131 D(Z)	C344	87-018-125-080		CAP, CER 330P-50V
				C438	87-010-401-080		CAP, ELECT 1-50V
				C439	87-010-401-080		CAP, ELECT 1-50V
TRANSISTOR				C440	87-010-221-080		CAP, ELECT 470-10V
	87-026-291-080		TR,DTC124XS	C441	87-010-401-080		CAP, ELECT 1-50V
	89-213-702-010		TR,2SB1370E(1.8W)	C501	87-010-248-080		CAP, ELECT 220-10V
	87-026-463-080		TR,2SA933SRS(0.3W)	C502	87-015-708-080		CAP, ELECT 22-10V
	89-112-965-080		TR,2SA1296GR(0.75W)	C503	87-010-405-080		CAP, ELECT 10-50V
	87-026-464-080		TR,DTC114TS (0.3W)	C504	87-010-405-080		CAP, ELECT 10-50V
	89-113-187-080		TR,2SA1318TU	C520	87-010-401-080		CAP, ELECT 1-50V
	87-026-462-080		TR,2SC1740 S(RS 0.3W)	C521	87-010-401-080		CAP, ELECT 1-50V
	87-026-290-080		TR,DTA124XS	C522	87-010-401-080		CAP, ELECT 1-50V
	89-318-154-080		TR,2SC1815Y(0.4W)	C523	87-010-401-080		CAP, ELECT 1-50V
	89-320-011-080		TR,2SC2001K(15W)	C524	87-010-401-080		CAP, ELECT 1-50V
	87-026-610-080		TR,KTC3198GR	C525	87-010-401-080		CAP, ELECT 1-50V
	89-322-405-680		TR,2SC2240GR	C526	87-010-401-080		CAP, ELECT 1-50V
	89-318-155-080		TR,2SC1815GR(0.4W)	C531	87-018-124-080		CAP, CER 270P-50V
	89-414-683-080		TR,2SD1468S 150MHZ 0.4	C532	87-018-124-080		CAP, CER 270P-50V
	87-A30-092-080		FET,2SK439E/F	C554	87-010-406-080		CAP, ELECT 22-50
	89-305-352-380		TR,2SC535(B/C)	C555	87-010-406-080		CAP, ELECT 22-50
	89-319-233-080		TR,2SC19230(0.1W)	C558	87-010-405-080		CAP, ELECT 10-50V
	87-026-214-080		TR,DTA114YSA(0.3W)	C559	87-010-408-080		CAP, ELECT 47-50V
				C560	87-010-402-080		CAP,E 2.2-50
DIODE				C601	87-010-405-080		CAP, ELECT 10-50V
	87-020-465-080		DIODE,ISS133 (110MA)	C602	87-010-386-080		CAP, ELECT 330-25
	87-070-345-080		DIODE,IN4148	C603	87-010-385-080		CAP, ELECT 220-25V
	87-A40-347-080		ZENER,MTZJ2.2B	C604	87-010-260-080		CAP, ELECT 47-25V
	87-A40-234-080		ZENER,MTZJ5.6A	C605	87-010-404-080		CAP, ELECT 4.7-50V
	87-027-513-080		ZENER,HZ6B2L (200MA)	C631	87-010-382-080		CAP, ELECT 22-25V
	87-027-825-080		ZENER,HZ9A3L	C632	87-010-382-080		CAP, ELECT 22-25V
	87-A40-465-010		DIODE,FR202	C633	87-010-236-080		CAP,E 1000-10 SME
				C634	87-010-236-080		CAP,E 1000-10 SME
				C635	87-010-263-080		CAP, ELECT 100-10V
MAIN C.B				C636	87-010-263-080		CAP, ELECT 100-10V
C65	87-018-125-080		CAP, CER 330P-50V	C651	87-010-405-080		CAP, ELECT 10-50V
C66	87-018-125-080		CAP, CER 330P-50V	C661	87-018-125-080		CAP, CER 330P-50V
C85	87-018-134-080		CAPACITOR,TC-U 0.01-16	C662	87-018-125-080		CAP, CER 330P-50V
C87	87-010-221-080		CAP, ELECT 470-10V	C721	87-010-453-090		CAP ELECT 4700-25V SM
C301	87-018-131-080		CAP, CER 1000P-50V	C722	87-010-374-080		CAP, ELECT 47-10V
C302	87-018-131-080		CAP, CER 1000P-50V	C724	87-010-263-080		CAP, ELECT 100-10V
C303	87-018-131-080		CAP, CER 1000P-50V	C741	87-010-263-080		CAP, ELECT 100-10V
C304	87-018-131-080		CAP, CER 1000P-50V	C743	87-010-221-080		CAP, ELECT 470-10V
C305	87-010-374-080		CAP, ELECT 47-10V	C765	87-018-209-080		CAP,CER 0.1-50V
C306	87-010-374-080		CAP, ELECT 47-10V	C803	87-A10-138-010		CAP,CER 15P-50 K CH
C307	87-010-382-080		CAP, ELECT 22-25V	C805	87-018-144-010		CAP,CER 5.6P-50 CH
C308	87-010-405-080		CAP, ELECT 10-50V	C808	87-A10-140-010		CAP,CER 22P-50 K CH
C309	87-010-545-080		CAP, ELECT 0.22-50V	C809	87-A10-137-010		CAP,CER 12P-50 K CH
C310	87-010-545-080		CAP, ELECT 0.22-50V	C810	87-A10-159-010		CAP,CER 39P-50 K SL
C311	87-010-248-080		CAP, ELECT 220-10V	C811	87-A10-140-010		CAP,CER 22P-50 K CH
C312	87-010-374-080		CAP, ELECT 47-10V	C812	87-018-141-010		CAP,CER 3.3P-50 CH
C315	87-010-401-080		CAP, ELECT 1-50V	C813	87-A10-164-010		CAP,CER 100P-50 K SL
C316	87-010-401-080		CAP, ELECT 1-50V	C825	87-A10-159-010		CAP,CER 39P-50 K SL
C317	87-010-382-080		CAP, ELECT 22-25V	C827	87-010-405-080		CAP, ELECT 10-50V
C318	87-010-382-080		CAP, ELECT 22-25V	C829	87-010-263-080		CAP, ELECT 100-10V
C319	87-010-405-080		CAP, ELECT 10-50V	C832	87-010-405-080		CAP, ELECT 10-50V
C320	87-010-405-080		CAP, ELECT 10-50V	C834	87-010-400-080		CAP, ELECT 0.47-50V
				C835	87-010-401-080		CAP, ELECT 1-50V
				C836	87-010-401-080		CAP, ELECT 1-50V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C838	87-010-405-080		CAP, ELECT 10-50V	D252	87-001-519-010		LIGHT EMITTING DIODE,SLR-37
C842	87-010-546-080		CAP, ELECT 0.33-50V	D253	87-001-519-010		LIGHT EMITTING DIODE,SLR-37
C843	87-010-546-080		CAP, ELECT 0.33-50V	D254	87-001-519-010		LIGHT EMITTING DIODE,SLR-37
C846	87-010-260-080		CAP, ELECT 47-25V	D255	87-001-519-010		LIGHT EMITTING DIODE,SLR-37
C848	87-010-403-080		CAP, ELECT 3.3-50V	D256	87-001-519-010		LIGHT EMITTING DIODE,SLR-37
C849	87-A10-159-010		CAP,CER 39P-50 K CH	D257	87-027-607-080		ZENER,HZ7B3L
C850	87-A10-159-010		CAP,CER 39P-50 K CH	J401	88-CT6-625-010		JACK,MIC
C857	87-010-404-080		CAP, ELECT 4.7-50V	LCD201	87-CT6-602-010		LCD, HLC7125-011310
C858	87-010-112-080		CAP, ELECT 100-16V	LED257	87-001-519-010		LIGHT EMITTING DIODE,SLR-37
C860	87-010-248-080		CAP, ELECT 220-10V	SW201	87-A90-095-080		SW,TACT EVQ11G04M
C880	87-010-401-080		CAP, ELECT 1-50V	SW202	87-A90-095-080		SW,TACT EVQ11G04M
C882	87-010-401-080		CAP, ELECT 1-50V	SW203	87-A90-095-080		SW,TACT EVQ11G04M
C884	87-A10-138-010		CAP,CER 15P-50 K CH	SW204	87-A90-095-080		SW,TACT EVQ11G04M
C1001	87-010-401-080		CAP, ELECT 1-50V	SW205	87-A90-095-080		SW,TACT EVQ11G04M
C1208	87-A10-170-010		CAP,CER 330P-50 K B	SW206	87-A90-095-080		SW,TACT EVQ11G04M
C1227	87-010-374-080		CAP, ELECT 47-10V	SW207	87-A90-095-080		SW,TACT EVQ11G04M
C1272	87-010-382-080		CAP, ELECT 22-25V	SW208	87-A90-095-080		SW,TACT EVQ11G04M
CF801	87-008-261-080		FLTR SFE 10.7 MA5-A	SW209	87-A90-095-080		SW,TACT EVQ11G04M
CN601	88-CT6-621-010		TERMINAL,SPEAKER	SW210	87-A90-095-080		SW,TACT EVQ11G04M
D801	87-A40-226-080		VARI-CAP,SVC251SPA	SW211	87-A90-095-080		SW,TACT EVQ11G04M
D802	87-A40-226-080		VARI-CAP,SVC251SPA	VR401	87-A90-768-010		VR,RTRY 10KAX1 1 H
D805	87-A40-456-080		VARI-CAP,KV1590NT	VR601	87-A90-720-010		VR,RTRY 50KAX2 1 V XV0141GPNV2
△ICP721	87-001-132-010		FUSE, ICP-N38	X201	87-030-252-010		VIB, X'TAL 32.768K 5PPM
J601	87-009-216-010		JACK, DIA 3.5	X202	87-030-328-010		VIB,CERA KBR 4.0MSA02
L301	88-CT6-620-010		COIL,BIAS OSC				
L601	87-005-847-080		COIL,2.2UH(CECS)				
L602	87-005-847-080		COIL,2.2UH(CECS)				
L801A	87-A50-110-010		COIL,FM BPF EX				
L802	87-006-244-010		COIL,RF FM 3-1/2T,L4				
L803	87-006-246-010		COIL,RF FM 3-1/2T,L4				
L804	87-CHH-605-010		COIL,FM OSC EX				
L805	87-005-847-080		COIL,2.2UH(CECS)				
L806	86-ZA1-604-010		IFT,FM IFT 7-6.2				
L807	87-005-847-080		COIL,2.2UH(CECS)				
L808	88-CD5-641-010		BAR-ANT,				
L810	87-CHH-608-010		COIL,OSC MW U(COI)				
L814	87-A90-245-010		FLTR,CFAZH-450 (TOK)				
L815	87-A50-015-010		COIL,FM DET(TOK)				
L901	87-005-847-080		COIL,2.2UH(CECS)				
L1802	87-005-366-080		COIL,1UH K				
L1803	87-005-847-080		COIL,2.2UH(CECS)				
R761	87-029-019-010		RES, FUSEIBLE 1/2W-2.2				
SFR761	87-024-239-010		SFR,2.2K V RH0632C				
SFR801	87-024-172-080		SEMI-FIXED RESISTOR, 10K				
SFR802	87-024-172-080		SEMI-FIXED RESISTOR, 10K				
SW301	88-CT6-619-010		SW,SLID REC				
SW501	88-CT6-618-010		SW,SLIDE FUNC				
TC802	87-011-220-080		TRIMMER CAP 20P VTC				
X801	87-A70-044-010		VIB, CER CMU2-456A15				
X802	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309				
FRONT C.B				CD MAIN C.B			
C201	87-018-205-080		CAP, CERA-SOL 0.022	C1	87-010-403-080		CAP, ELECT 3.3-50V
C202	87-018-209-080		CAP, CER 0.1-50V	C2	87-018-134-080		CAPACITOR,TC-U 0.01-16
C203	87-018-209-080		CAP, CER 0.1-50V	C3	87-010-263-080		CAP, ELECT 100-10V
C204	87-018-209-080		CAP, CER 0.1-50V	C4	87-010-248-080		CAP, ELECT 220-10V
C205	87-018-106-080		CAP,TC-U 15P-50 SL	C5	87-018-134-080		CAPACITOR,TC-U 0.01-16
C207	87-018-209-080		CAP, CER 0.1-50V	C6	87-010-374-080		CAP, ELECT 47-10V
C208	87-018-109-080		CAP, CER 22P-50V	C9	87-010-248-080		CAP, ELECT 220-10V
C209	87-018-109-080		CAP, CER 22P-50V	C10	87-010-263-080		CAP, ELECT 100-10V
C213	87-010-248-080		CAP, ELECT 220-10V	C12	87-010-401-080		CAP, ELECT 1-50V
C214	87-010-263-080		CAP, ELECT 100-10V	C13	87-018-134-080		CAPACITOR,TC-U 0.01-16
C215	87-010-405-080		CAP, ELECT 10-50V	C14	87-010-405-080		CAP, ELECT 10-50V
C217	87-010-079-080		CAP,E 100-6.3	C16	87-010-545-080		CAP, ELECT 0.22-50V
C220	87-018-109-080		CAP, CER 22P-50V	C17	87-018-125-080		CAP, CER 330P-50V
C251	87-010-400-080		CAP, ELECT 0.47-50V	C25	87-018-129-080		CAP, CER 680P-50V
C434	87-010-404-080		CAP, ELECT 4.7-50V	C30	87-018-123-080		CAP, CER 220P-50V
C435	87-010-544-080		CAP, ELECT 0.1-50V	C31	87-010-545-080		CAP, ELECT 0.22-50V
D251	87-001-519-010		LIGHT EMITTING DIODE,SLR-37	C32	87-010-374-080		CAP, ELECT 47-10V
				C33	87-010-401-080		CAP, ELECT 1-50V
				C35	87-018-134-080		CAPACITOR,TC-U 0.01-16
				C36	87-010-374-080		CAP, ELECT 47-10V
				C37	87-010-404-080		CAP, ELECT 4.7-50V
				C38	87-018-209-080		CAP, CER 0.1-50V
				C40	87-018-141-080		CAP, CERA-SOL SS 3.3P CH
				C42	87-018-150-080		CAP,TC-U 18P-50 CH
				C45	87-018-209-080		CAP, CER 0.1-50V
				C46	87-018-209-080		CAP, CER 0.1-50V
				C47	87-018-209-080		CAP, CER 0.1-50V
				C48	87-018-111-080		CAP, CERA-SOL SS 27P
				C49	87-018-209-080		CAP, CER 0.1-50V
				C50	87-018-127-080		CAP, CER 470P-50V
				C57	87-018-113-080		CAP, CER 33P-50V
				C58	87-018-113-080		CAP, CER 33P-50V
				C59	87-010-263-080		CAP, ELECT 100-10V
				C60	87-018-209-080		CAP, CER 0.1-50V
				C61	87-018-209-080		CAP, CER 0.1-50V
				C62	87-010-370-080		CAP,E 330-6.3 SME
				C63	87-010-405-080		CAP, ELECT 10-50V
				C64	87-010-405-080		CAP, ELECT 10-50V
				C69	87-018-121-080		CAP, CER 150P-50V
				C75	87-018-134-080		CAPACITOR,TC-U 0.01-16
				C76	87-010-221-080		CAP, ELECT 470-10V
				C77	87-018-134-080		CAPACITOR,TC-U 0.01-16
				C78	87-010-263-080		CAP, ELECT 100-10V

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
C79	87-018-134-080		CAPACITOR,TC-U 0.01-16
C80	87-010-221-080		CAP, ELECT 470-10V
C81	87-010-404-080		CAP, ELECT 4.7-50V
C90	87-010-263-080		CAP, ELECT 100-10V
C91	87-018-119-080		CAP, CER 100P-50V
C92	87-018-119-080		CAP, CER 100P-50V
C93	87-018-119-080		CAP, CER 100P-50V
C94	87-018-119-080		CAP, CER 100P-50V
C95	87-018-119-080		CAP, CER 100P-50V
C96	87-018-209-080		CAP, CER 0.1-50V
C97	87-018-115-010		CAP,CER 47P-50V
C111	87-018-209-010		CAP,CER 0.1-50V
FFC1	88-CT6-606-010		FF-CABLE, 16P 1.0
L1	87-003-102-080		COIL, 10UH
L2	87-003-102-080		COIL, 10UH
L3	87-003-102-080		COIL, 10UH
L4	87-003-102-080		COIL, 10UH
X1	81-592-641-080		CERALOCK 16.9344MHZ

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
POWER C.B			
	88-CT6-624-010		SPR,BATT
	86-CT9-213-010		SPR-C,BATT(-)
△ F701	87-035-486-010		FUSE,2.5A 125V D UL<U>
△ F701	87-035-139-010		FUSE, 2.5AT<LH>
△ FC701	87-A90-160-080		FUSE CLAMP,FC 51F
△ FC702	87-A90-160-080		FUSE CLAMP,FC 51F
CD MOTOR C.B			
M1	9X-262-576-910		MOTOR GEAR ASSY
M2	9X-262-576-910		MOTOR GEAR ASSY
PIN2	91-564-722-110		CONNECTOR,6P
SW1	91-572-085-120		LEAF SW

TRANSISTOR ILLUSTRATION



ECB

2SC1815
2SA1296
2SC2240
2SC535
KTC3198



BCE

2SB1370



ECB

2SA933
2SC1740
DTA114
DTC114
DTA124
DTC124



ECB

2S2001
2SC1923



GSD

2SK439

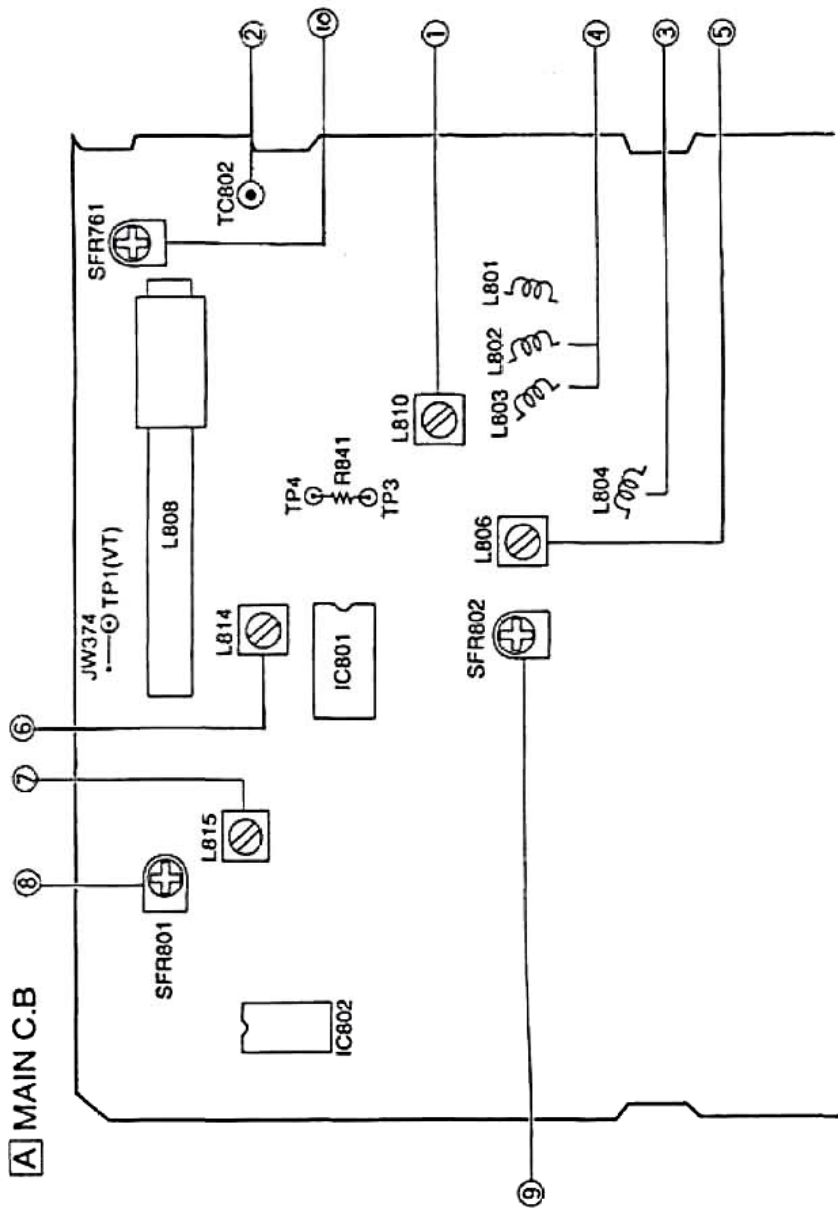


ECB

2SA1318
2SD1468

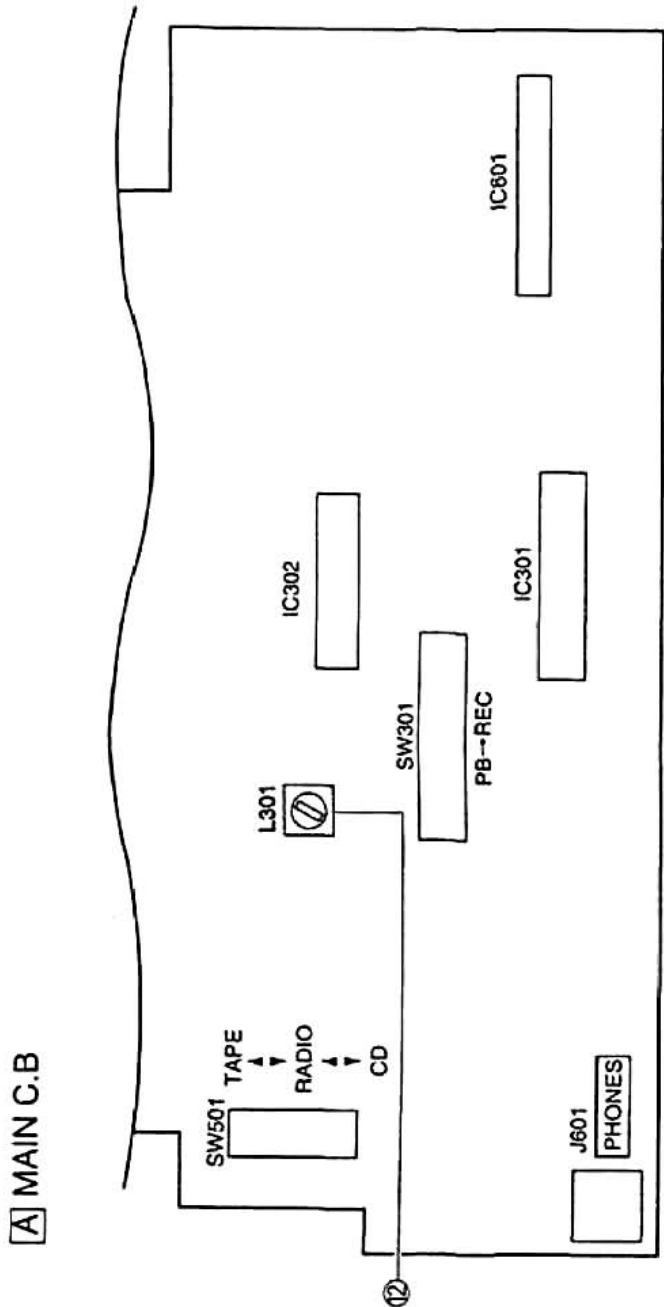
ADJUSTMENT

<TUNER SECTION>



1. AM VT Adjustment
 Settings: • Test point: TP1
 • Adjustment location: L810
 Method: Set to AM 700 kHz and adjust L810 so that the test point becomes 6.0 ± 0.05 V.
 Then set to AM 530 kHz and check that the test point is 0.9 V or more.
2. AM Tracking Adjustment
 L802 600 kHz
 TC802 1400 kHz
3. FM VT Adjustment
 Settings: • Test point: TP1
 • Adjustment location: L804
 Method: Set to FM 108.0 MHz and check that the test point is 5.5 ± 0.05 V.
 Then set to FM 87.5 MHz and check that the test point is 1.2 V or more.
4. FM Tracking Adjustment
 L802, L803 98.0 MHz
5. FM IF Adjustment
 L806 10.7 MHz
6. AM IF Adjustment
 L814 455 kHz
7. DC Balance Adjustment
 Settings: • Test point: TP3, 4
 • Adjustment location: L815
 Method: Set to FM 98.0 MHz and adjust L815 so that the voltage between TP3 and TP4 becomes 0 ± 0.04 V.
8. AM Auto Stop Adjustment
 Settings: • Adjustment location: SFR801
 Method: Make setup for AM 1000 kHz. Adjust SFR801 so that the machine performs Auto Stop when 55 ± 5 dB is input.
9. FM Auto Stop Adjustment
 Settings: • Adjustment location: SFR802
 Method: Make setup for FM 98.0 MHz. Adjust SFR802 so that the machine performs Auto Stop when 27 ± 3 dB is input.

<TAPE DECK SECTION>



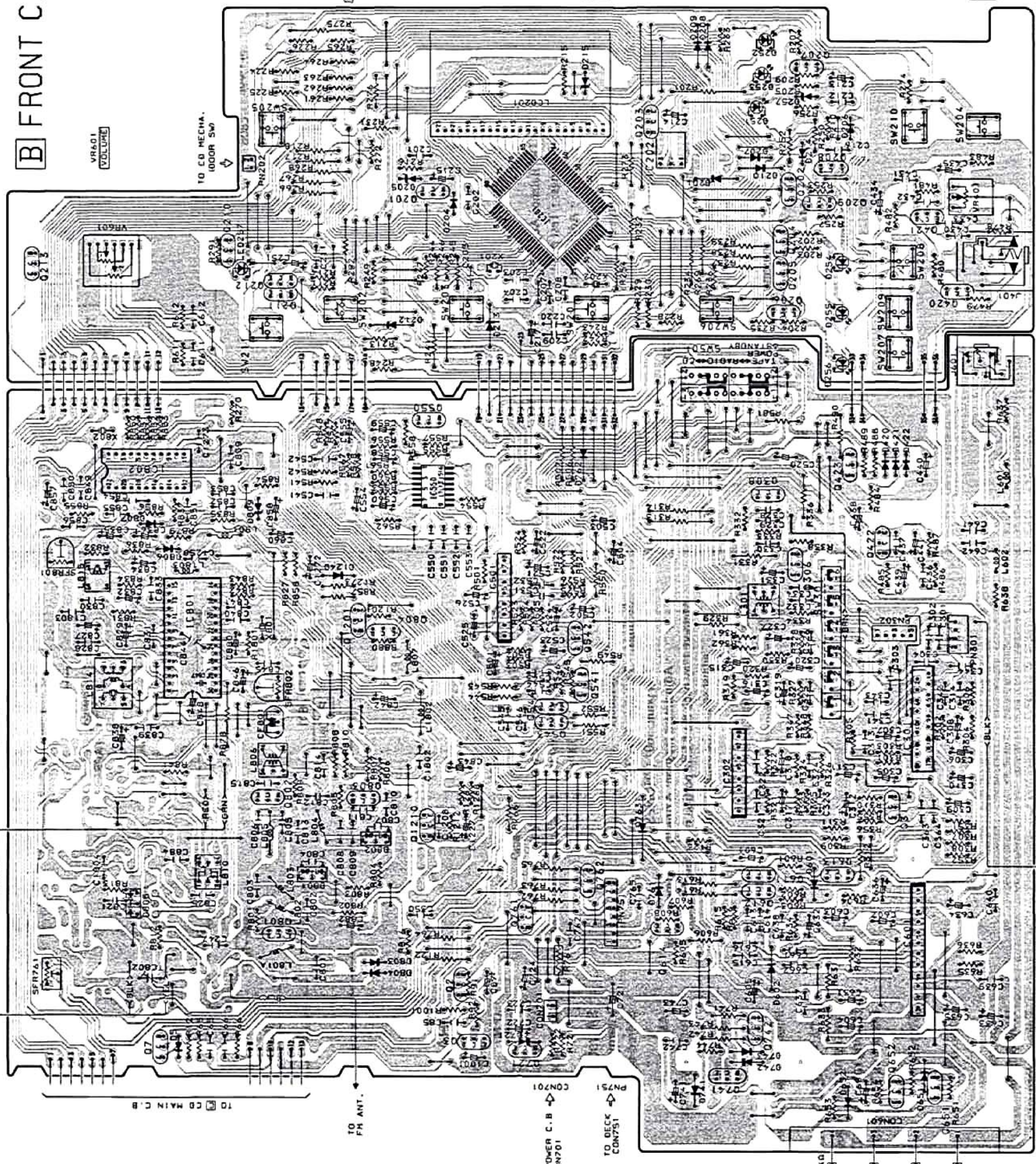
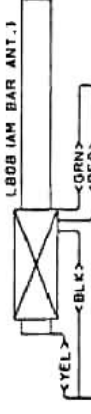
PRACTICAL SERVICE FIGURE

<RADIO SECTION >

10. Tape Speed Adjustment
 Settings: • Test tape: TTA-100
 • Test point: J601 (PHONES Jack)
 • Adjustment location: SFR761
 Method: Play back the test tape and adjust so that the output frequency is 3000 Hz.
 11. Azimuth Adjustment
 Settings: • Test tape: TTA-320
 • Test point: J601 (PHONES Jack)
 • Adjustment location: Azimuth adjustment screw
 Method: Play back the 8 kHz portion of the test tape and adjust so that the output is maximum.
 12. Bias Freq. Adjustment
 L301 60 kHz
- 87.0 ~ 108.0 MHz
 18.0 ± 5.0 dB (at 87.5 MHz)
 16.0 ± 5.0 dB (at 98.0 MHz)
 15.0 ± 5.0 dB (at 108.0 MHz)
 70 ± 5 dB (at 98.0 MHz)
 10.7 MHz
 More than 25 dB
- 530/531 ~ 1710/1602 kHz (10/9 kHz Step)
 45 ± 5 dB (at 600 kHz)
 44 ± 5 dB (at 1000 kHz)
 42 ± 5 dB (at 1400 kHz)
 455 kHz
- ## <TAPE RECORDER SECTION>
- Recording bias frequency: 56 ± 5 kHz
 Erasing ratio (W/FILTER): More than 58 dB
 Distortion (T. H. D 10%): Less than 3.0% (PB)
 Less than 4.0% (REC/PB)
 S/N ratio: More than 40 dB (AC, DC, PB)
 More than 40 dB (AC, REC/PB)
 Noise (PB): Less than 1.0 mV/1.0 mV (AC/DC, MIN)
 3000 ± 90 Hz
 Tape speed: Less than 0.35% (JIS, UN WTD)
 Wow & flutter: 30 ~ 60 g-cm
 Take-up torque: 55 ~ 140 g-cm
 F.F. & REW torque:

A MAIN C.B

B FRONT C.B



VR601 VOLUME

TO CD MECHA. (000R SW)

SW205 (BAND)

LED257 SW211 (SOUND)

SKIP SEARCH (SW202)

SW203

LC201 (DISPLAY)

SW201 (PRESET PLAY/PAUSE)

LC202 (REMOTE SENSOR)

SW206 (MEMORY SP)

D251 (STEREO)

D252 (HI/REEL)

D253 (DUBBING)

D254 (SW209) (LAW)

D255 (SW207) (RAMP)

D256 (SW208) (RECE)

SW210 (DUBBING SPEED)

SW204 (TUNER MODE)

VR601 (REC VOL)

J401 (REC)

SW301 (FUNCTION)

J401 (PICTURES)

PN301 (TO DECK2)

SW301 (REC + PBI)

PN302 (TO DECK1)

PN301 (TO DECK2)

PN302 (TO DECK1)

TO CHASSIS3

CON601 (SPEAKERS)

CON751 (TO DECK)

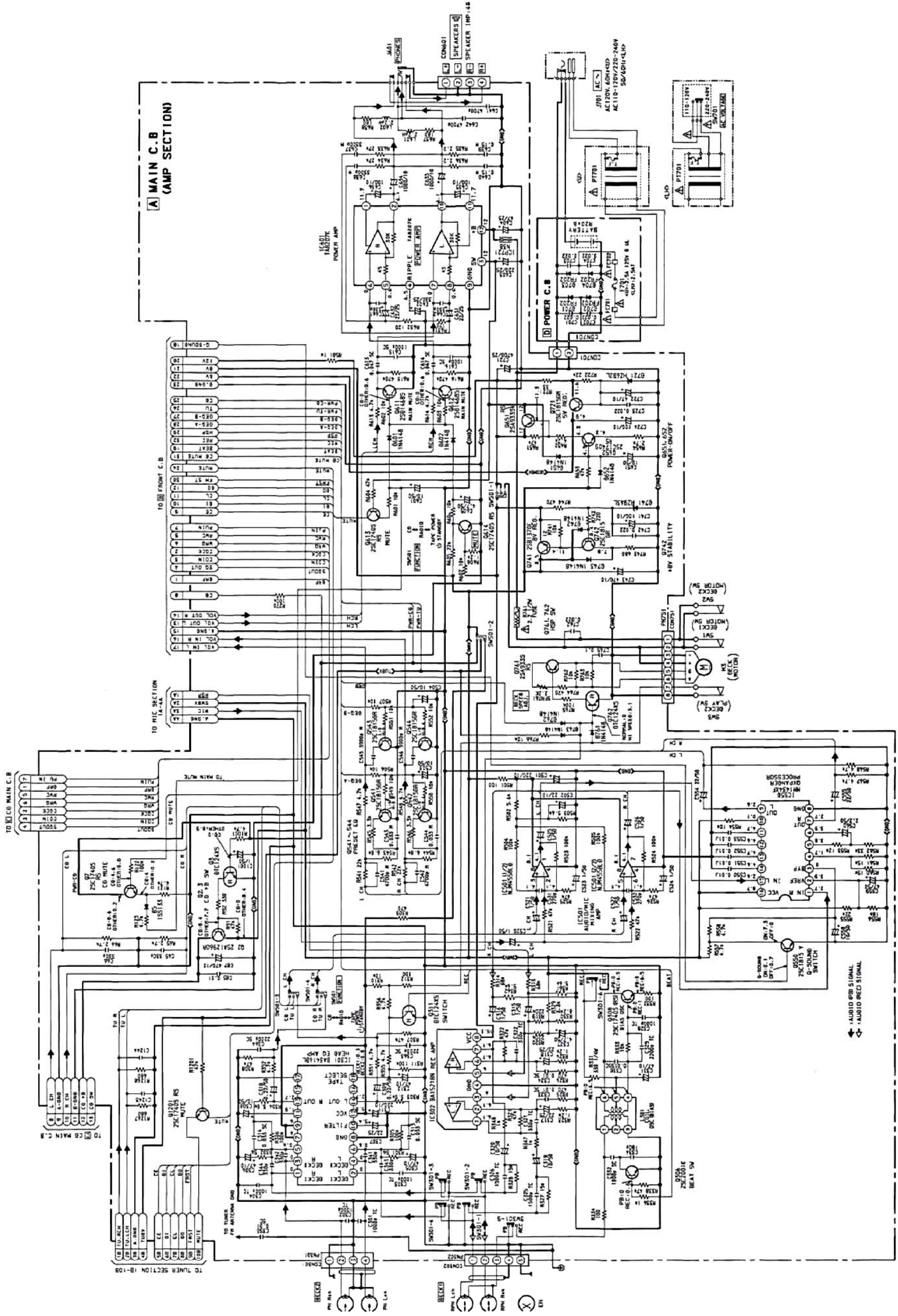
CON751 (TO DECK)

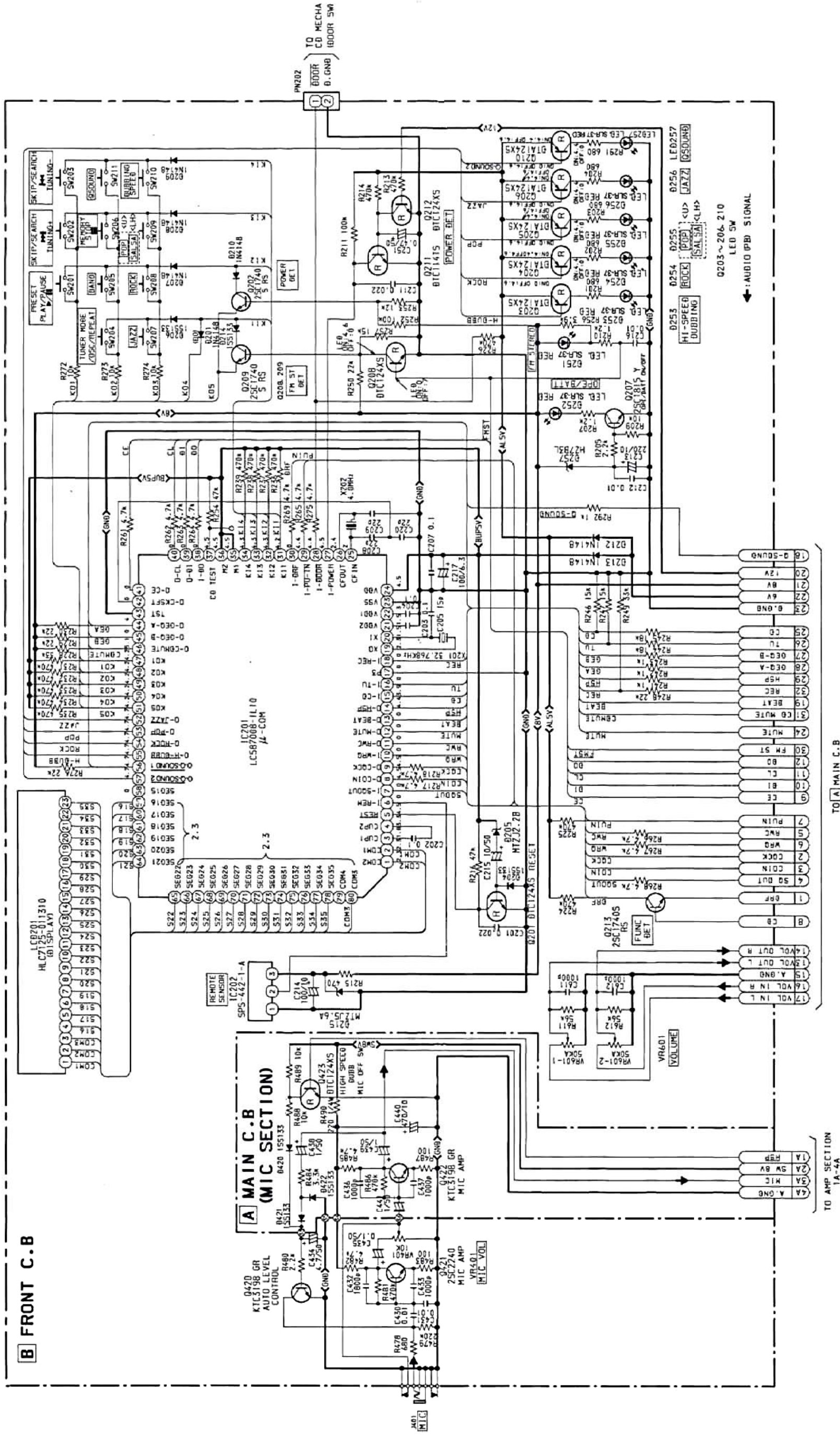
TO POWER C.B (CON701)

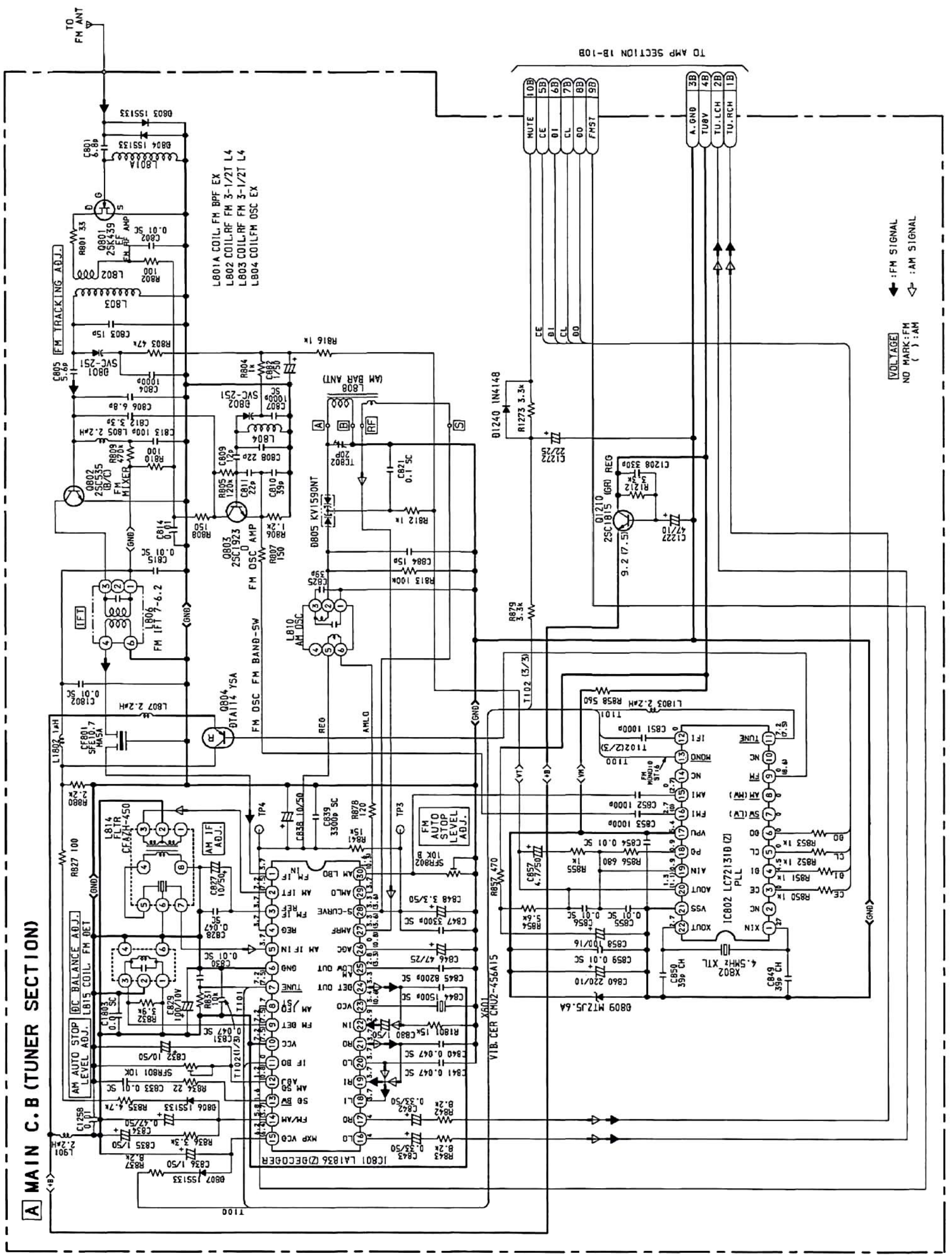
TO PH ANT.

TO CD MAIN C.B

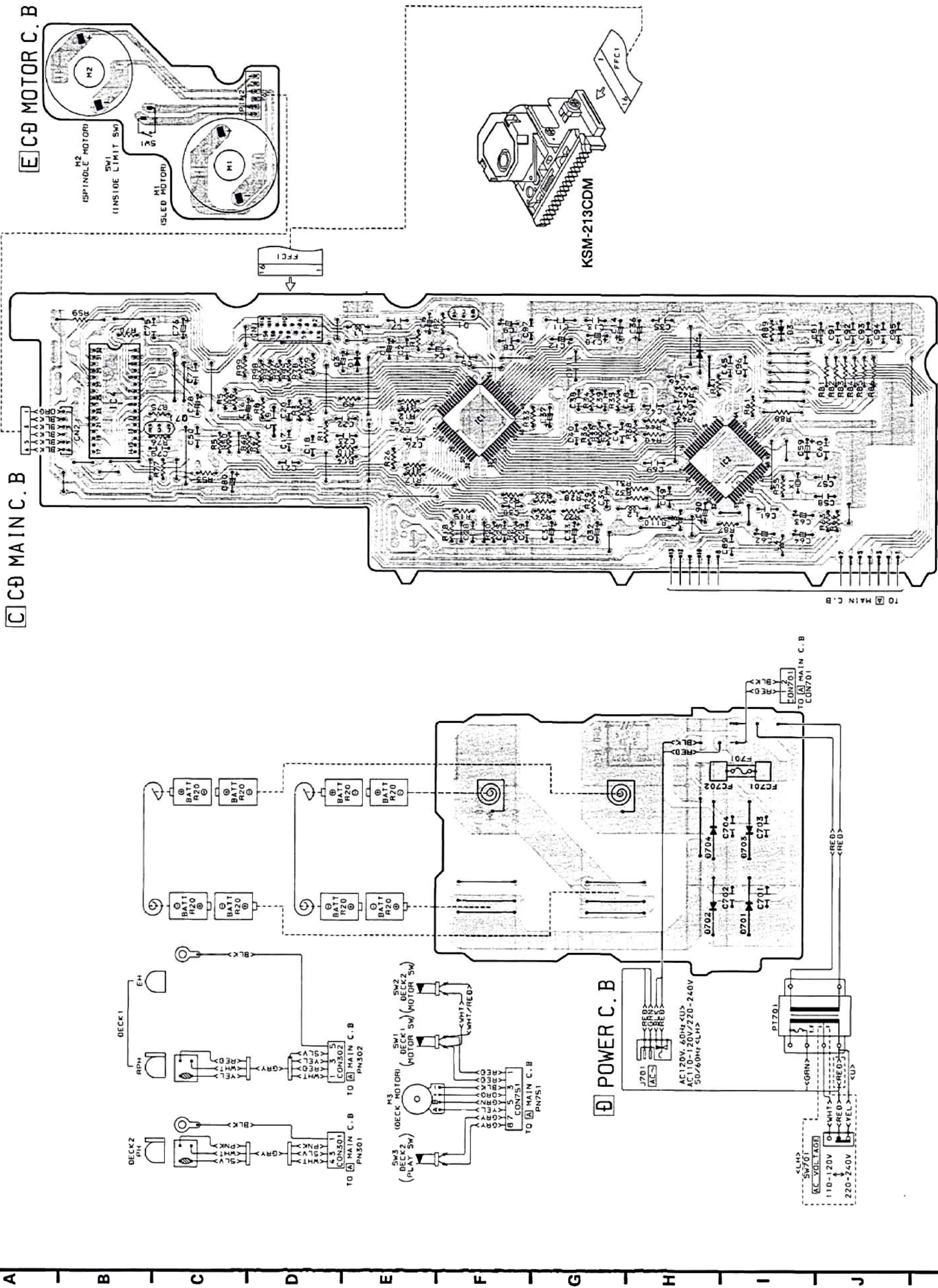
SCHEMATIC DIAGRAM - 1 (MAIN)



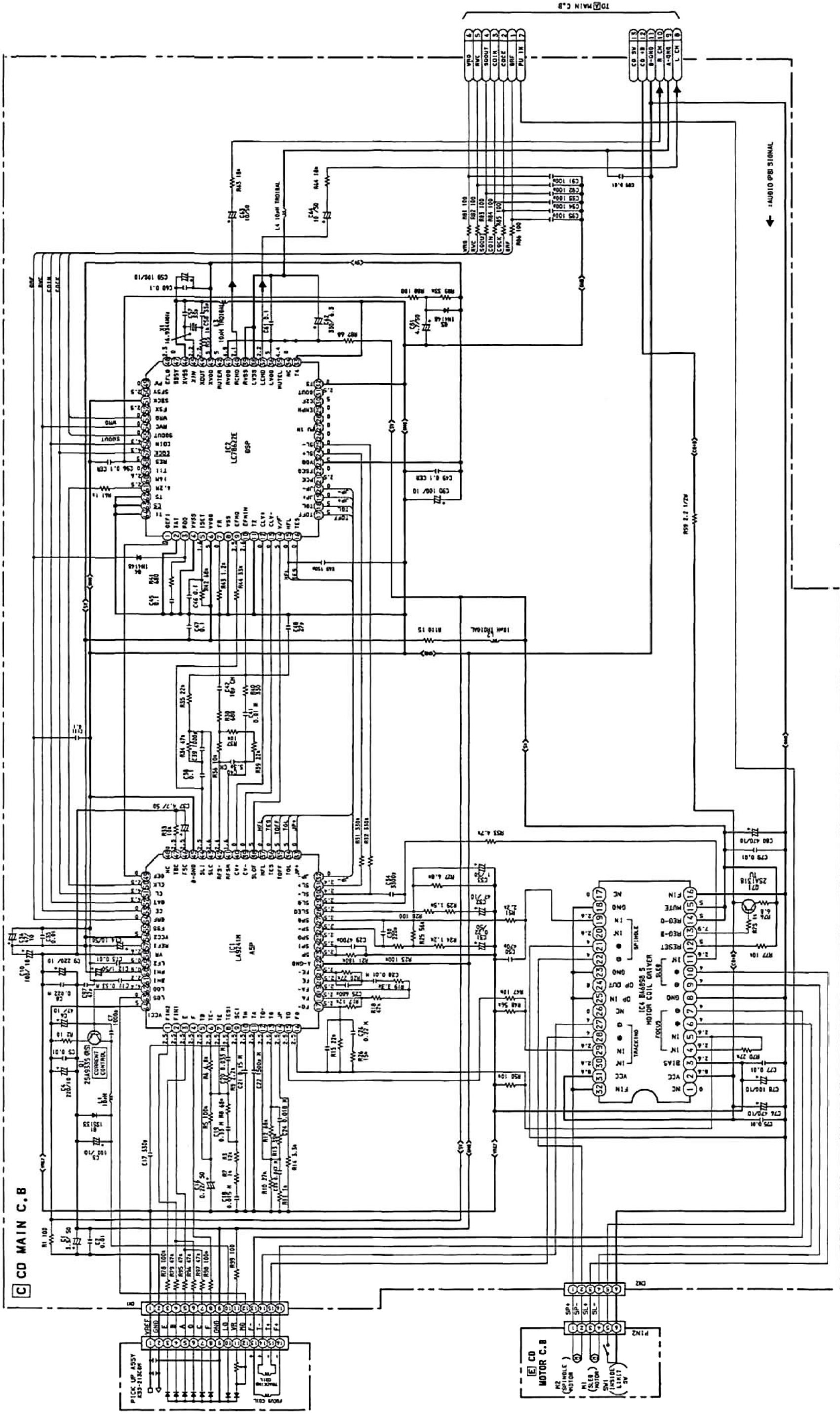




1 2 3 4 5 6 7 8 9 10 11 12 13 14



SCHEMATIC DIAGRAM - 4 (CD MAIN)



IC DESCRIPTION

IC, LC587008-1L10

Pin No.	Pin Name	I/O	Description
1,2	COM2,COM1	O	LCD common output.
3,4	CUP 1, CUP 2	O	Connect a capacitor of 1/3 bias.
5	REST	I	System reset.
6	I-REM	I	Remocon input.
7	I-SQOUT	I	Subcode Q data input.
8	O-COIN	O	DSP command output.
9	O-CQCK	O	Clock output.
10	I-WRQ	I	Subcode Q standby detect.
11	O-RWC	O	DSP command output/subcode Q read selection.
12	O-MUTE	O	Mute output.
13	O-BEAT	O	Beat output.
14	O-HSP	O	Hi-speed dubbing output.
15	I-CD	I	Function CD detect. H=CD
16	I-TU	I	Function TUNER detect. H=TUNER
17	P3	—	Not used. (Connected to GND)
18	I-REC	I	REC H detect.
19	XO	O	Connected to 32KHz X*TAL.
20	XI	I	Connected to 32KHz X*TAL.
21,22	VDD2,VDD1	—	Connected to GND.
23	VSS	—	GND.
24	VDD	—	Power supply input. (+5V)
25	CF IN	I	Connected to 4MHz ceramic filter.
26	CF OUT	O	Connected to 4MHz ceramic filter.
27	I-POWER	I	HOLD mode detect.
28	I-DOOR	I	CD door switch detect.
29	I-PU IN	I	CD limit switch detect.
30	I-DRF	I	CD detect RF.
31 - 34	KI 1-KI 4	I	Key matrix input.
35,36	M1,M2	—	Not used. (connected to VDD)
37	I-CD TEST	I	Not used.
38	I-DO	I	Connected to LC72131 DO.
39	O-DI	O	Connected to LC72131 DI.
40	O-CL	O	Connected to LC72131 CL.
41	O-CE	O	Connected to LC72131 CE.
42	O-CKSFT	O	Main clock shift output.
43	TST	—	Connected to VSS.
44,45	O-GEQ A,B	O	GEQ A,B control output.
46	O-CD MUTE	O	CD mute output.
47 - 51	KO 1-KO 5	O	Key matrix output.
52	O-JAZZ	O	Jazz LED control output.
53	O-POP	O	Pop LED control output.

Pin No.	Pin Name	I/O	Description
54	O-ROCK	O	Rock LED control output.
55	O-H-DUBB	O	Hi-speed dubbing output.
56	O-QSOUND 1	O	Q sound control output.
57	O-QSOUND 2	O	Q sound LED control output.
58	SEG15	—	Not used.
59 - 78	SEG16 - SEG35	O	LCD segment output.
79	COM4	—	Not used.
80	COM3	O	LCD common output.

IC, LC72131

Pin No.	Pin Name	I/O	Description																								
1	XI	—	Crystal oscillator (4.5 MHz) is connected to this pin.																								
2	NC	—	Not used.																								
3	CE	I	The terminal which enables this IC. Active H.																								
4	DI	I	Data from the CPU is input when this key is operated. Active H.																								
5	CLK	I	Clock input to data DI.																								
6	DO	O	Digital data output to the CPU.																								
7	SW(LW)	—	Not used.																								
8	AM(MW)	—	Not used.																								
			H or L is output as follows.																								
9	FM FM/SW1	O	<table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">2 BAND</th> <th colspan="2">3 BAND</th> <th colspan="2">4 BAND</th> </tr> <tr> <th>AM</th> <th>FM</th> <th>LW</th> <th>MW</th> <th>FM</th> <th>SW2</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>L</td> <td>H</td> <td>H</td> <td>L</td> <td>H</td> </tr> <tr> <td>L</td> <td>L</td> <td>H</td> <td>L</td> <td>L</td> <td>L</td> </tr> </tbody> </table>	2 BAND		3 BAND		4 BAND		AM	FM	LW	MW	FM	SW2	H	L	H	H	L	H	L	L	H	L	L	L
2 BAND		3 BAND		4 BAND																							
AM	FM	LW	MW	FM	SW2																						
H	L	H	H	L	H																						
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			H or L is output as follows.(Not used.)																								
10	MW/SW2	O	<table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">2 BAND</th> <th colspan="2">3 BAND</th> <th colspan="2">4 BAND</th> </tr> <tr> <th>AM</th> <th>FM</th> <th>LW</th> <th>MW</th> <th>FM</th> <th>SW2</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>L</td> <td>H</td> <td>L</td> <td>L</td> <td>L</td> </tr> <tr> <td>L</td> <td>L</td> <td>H</td> <td>L</td> <td>L</td> <td>L</td> </tr> </tbody> </table>	2 BAND		3 BAND		4 BAND		AM	FM	LW	MW	FM	SW2	H	L	H	L	L	L	L	L	H	L	L	L
2 BAND		3 BAND		4 BAND																							
AM	FM	LW	MW	FM	SW2																						
H	L	H	L	L	L																						
L	L	H	L	L	L																						
11	TUNE	I	L is input when tuned to a station.																								
12	IFI	I	IF input.																								
13	MONO	O	L is output when compulsion MONO.																								
14	NC	—	Not used.																								
15	AM-I	I	AM local oscillator frequency signal is input.																								
16	FM-I	I	FM local oscillator frequency signal is input.																								
17	VPU	—	Power supply input to IC (+5 V).																								
18	PD	O	PLL charge-pump output.																								
19	AIN	I	N-channel MOS transistor for PLL active low-pass filter.																								
20	AOUT	O	N-channel MOS transistor for PLL active low-pass filter.																								
21	VSS	—	GND.																								
22	XO	—	Crystal oscillator (4.5 MHz) is connected to this pin.																								

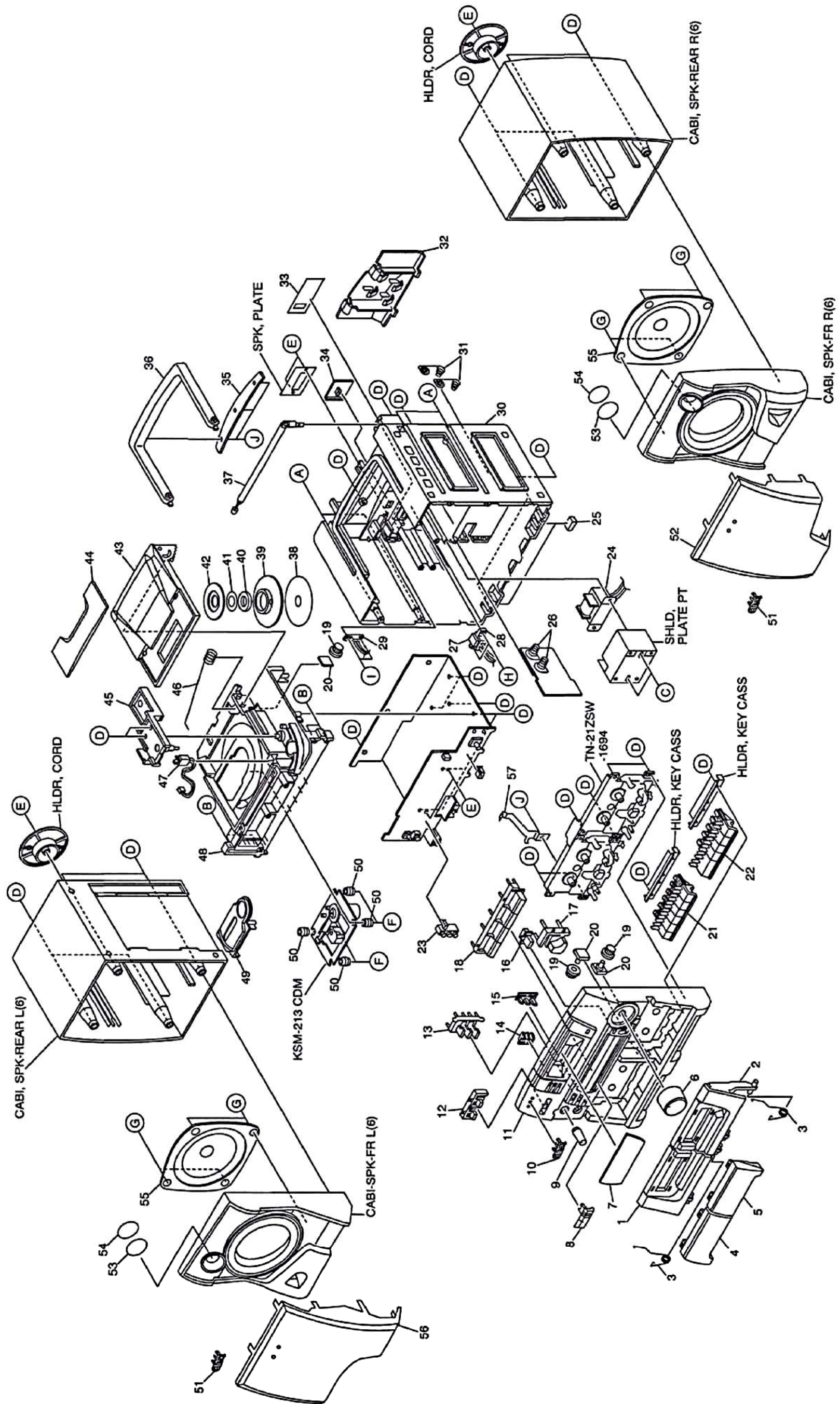
IC, LC78622E

Pin No.	Pin Name	I/O	Description
1	DEFI	I	Defect detection signal input. (Must be connected to 0V when unused).
2	TAI	I	A pull down resistor is built in. Must be connected to 0V.
3	PDO	O	External VCO control phase comparator output.
4	VVSS	—	Internal VCO power supply.
5	ISET	I	PDO output current adjustment resistor connection.
6	VVDD	—	Internal VCO power supply.
7	FR	I	VCO frequency range adjustment.
8	VSS	—	Digital system ground. Must be connected to 0V.
9	EFMO	O	EFM signal output pin.
10	EFMIN	I	EFM signal input pin.
11	TEST 2	I	Test pin. Must be connected to 0V.
12	CLV+	O	Disc motor control output.
13	CLV-	O	Disc motor control output.
14	V/P	O	Rough servo/phase control automatic switching monitor output. Rough servo at "L". Phase servo at "L".
15	HFL	I	Track detection signal input.
16	TES	I	Tracking error signal input.
17	TOFF	O	Tracking off output.
18	TGL	O	Tracking gain switching output.
19	JP+	O	Track jump output.
20	JP-	O	Track jump output.
21	PCK	O	EFM data playback monitor. Outputs 4.3218MHz when the phase is locked.
22	FSEQ	O	Synchronization signal detection output. Outputs a high level when the synchronization signal detected from EFM signal and internally generated synchronization signal range.
23	VDD	—	Digital system power supply.
24 ~ 28	CONT1 ~ CONT5	I/O	Controlled by serial data commands from the microprocessor. Any of these that are unused must be either set up as input ports and connected to 0V, or set up as output ports and left open.
29	EMPH	O	De-emphasis monitor pin. A high level indicates playback of a de-emphasis disc.
30	C2F	O	C2 flag output.
31	DOUT	O	Digital output. (E I A J format)
32	TEST 3	I	Test input. Must be connected to 0V.
33	TEST 4	I	Test input. Must be connected to 0V.
34	N.C.	—	Not connected.
35	MUTE L	O	Left channel mute output.
36	L VDD	—	Left channel power supply.
37	L CHO	O	Left channel output.
38	L VSS	—	Left channel ground.
39	R VSS	—	Right channel ground.
40	R CHO	O	Right channel output.
41	R VDD	—	Right channel power supply.
42	MUTE R	O	Right channel mute output.
43	X VDD	—	Crystal oscillator power supply.

Pin No.	Pin Name	I/O	Description
44	X OUT	O	Connections for a 16.934MHz crystal oscillator element.
45	X IN	I	
46	X VSS	—	Crystal oscillator ground.
47	SBSY	O	Subcode block synchronization signal.
48	EFLG	O	C1,C2 single and double error correction monitor pin.
49	PW	O	Subcode P,Q,R,S,T,U and W output.
50	SFSY	O	Subcode frame synchronization signal output.
51	SBCK	I	Subcode readout clock input. Must be connected to 0V when unused.
52	FSX	O	Output for the 7.35kHz synchronization signal divided from the crystal oscillator.
53	WRQ	O	Subcode Q output standby output.
54	RWC	I	Read / Write control input.
55	SQOUT	O	Subcode Q output.
56	COIN	I	Command input from the control microprocessor.
57	$\overline{\text{CQCK}}$	I	Input for command input acquisition clock and SQOUT pin subcode readout clock.
58	$\overline{\text{RES}}$	I	Chip reset input.
59	TST11	O	Test output. Leave open.
60	16M	O	16.9344MHz output.
61	4.2M	O	4.2336MHz output.
62	TEST 5	I	Test input. Must be connected to 0V.
63	$\overline{\text{CS}}$	I	Chip select input. Must be connected to 0V if not controlled.
64	TEST 1	I	Test input. Must be connected to 0V.

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Connected to pickup photo-diode. Adding with FIN1 pin generates RF signal, and subtracting from FIN1 generates FE signal.
2	FIN1	I	Connected to pickup photo-diode.
3	E	I	Connected to pickup photo-diode. Subtracting from F pin generates TE signal.
4	F	I	Connected to pickup photo-diode.
5	TB	I	Input DC components of TE signal.
6	TE-	O	Connected to TE pin with resistor set TE signal gain.
7	TE	O	Output TE signal.
8	TESI	I	Input TES (TRACK ERROR SENSE) comparator. Band pass and input TE signal.
9	SCI	I	Input shock detection.
10	TH	I	Establish tracking gain value.
11	TA	O	TA amplifier output.
12	TD-	I	Compose tracking phase compensation value between TD and VR pins.
13	TD	O	Used for tracking phase compensation setting.
14	JP	I	Establish amplitude of tracking jump signal (kick pulse).
15	TO	O	Output tracking control signal.
16	FD	O	Output focusing control signal.
17	FD-	I	Compose focusing phase compensation value between FD and FA pins.
18	FA	O	Compose focusing phase compensation value between FD- and FA- pins.
19	FA-	I	Compose focusing phase compensation value between FA and FE pins.
20	FE	O	Output FE signal.
21	FE-	I	Connected to TE pin with resistor set FE signal gain.
22	AGND	-	Analog GND.
23	SP	O	Output single-end for CV+ and CV- pins input signal.
24	SPI	I	Spindle amplifier input.
25	SPG	I	Connect resistor for gain setting at spindle 12cm mode.
26	SP-	I	Connect spindle phase compensation value with SPD pin.
27	SPD	O	Output spindle control signal.
28	SLEQ	I	Connect sled phase compensation value.
29	SLD	O	Output sled control signal.
30	SL-	I	Input sled sending signal from microcomputer.
31	SL+	I	Input sled sending signal from microcomputer.
32	JP-	I	Input tracking jump signal from DSP.
33	JP+	I	Input tracking jump signal from DSP.
34	TGL	I	Input tracking gain control signal from DSP. TGL = "H" : gain low.
35	TOFF	I	Input tracking off control signal from DSP. TOFF = "H" : off.
36	TES	O	Output TES signal to DSP.
37	HFL	O	HIGH FREQUENCY LEVEL: detects whether main-beam is on pit or mirror position.
38	SLOF	I	Input sled servo off control.
39	CV-	I	Input CLV error signal from DSP.
40	CV+	I	Input CLV error signal from DSP.
41	RFSM	O	Output RF.
42	RFS-	O	Establish RF gain and 3T compensation value from EFM signal with RFSM pin.

Pin No.	Pin Name	I/O	Description
43	SLC	O	SLICE LEVEL CONTROL: control data slice level by DSP with RF wave form.
44	SLI	I	Control data slice level by DSP.
45	DGND	-	Digital GND.
46	FSC	O	Connected to focus search smoothing capacitor.
47	TBC	I	TRACKING BALANCE CONTROL: establish EF balance variable range.
48	NC	-	Not used.
49	DEF	O	Output disc defect detection.
50	CLK	I	Input reference clock. Inputs 4.23 MHz from DSP.
51	CL	I	Input microcomputer command clock.
52	DAT	I	Input microcomputer command data.
53	CE	I	Input microcomputer command chip enables.
54	DRF	O	DETECT RF: Output RF level detection.
55	FSS	I	FOCUS SEARCH SELECT: switches focus search mode (between = search and + search against reference voltage). (Not connected)
56	VCC2	-	Servo/digital VCC.
57	REF1	-	Connected to reference voltage bypass condenser.
58	VR	O	Output reference voltage.
59	LF2	-	Establish value in detecting disc defect.
60	PH1	-	Connected to capacitor used to hold peak of RF signal.
61	BH1	-	Connected to capacitor used to hold bottom of RF signal.
62	LDD	O	APC-circuit output pin.
63	LDS	I	APC-circuit input pin.
64	VCC1	-	RF VCC.

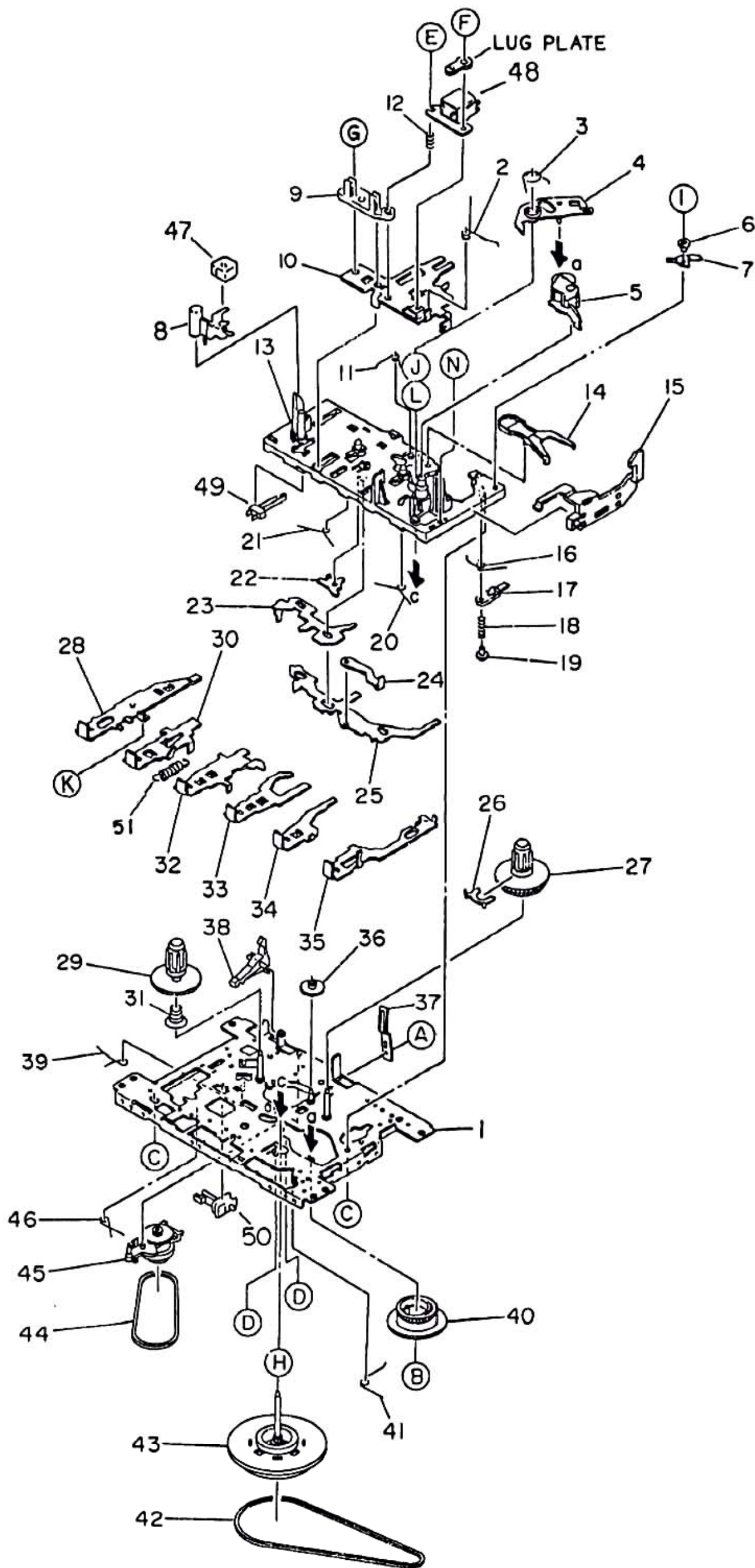


MECHANICAL PARTS LIST 1 / 1

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

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	88-CT6-003-010		BOX,CASS L	34	88-CT6-044-010		COVER, OSC
2	88-CT6-004-010		BOX,CASS R	35	88-CT6-022-010		COVER, HNDL
3	86-CT9-210-010		SPR-T,CASS	36	88-CT6-024-010		HANDL,(6)
4	88-CT6-006-010		WINDOW,CASS L	37	88-CT6-633-010		ANT,ROD
5	88-CT6-007-010		WINDOW,CASS R	38	86-CT9-221-010		CUSH,CHUCK
6	88-CT6-016-010		KNOB,RTRY VOL	39	86-CT9-218-010		HLDR,CHUCK B
7	88-CT6-010-010		WINDOW,DISPLAY U	40	87-036-368-010		MAGNET
8	87-CT7-205-110		LEVER,SW1	41	86-CT9-222-010		PLATE,MAGNET
9	88-CT6-017-010		KNOB,RTRY MIC	42	86-CD4-225-010		HLDR,CHUCK A
10	86-CT9-040-010		BADGE,AIWA -	43	88-CT6-002-010		BOX,CD
11	88-CT6-001-010		CABI,FR U	44	88-CT6-005-010		WINDOW,CD
12	88-CT6-018-010		KNOB,SL FUNC	45	88-CT6-025-010		CHAS,TU (6)
13	88-CT6-012-010		BTN,GEQ	46	86-CT9-211-010		SPR-T,CD
14	88-CT6-021-010		LENS,ST	47	SS-PS1-110-180		SW,LOCK PUSH
15	88-CT6-020-010		LENS,GEQ	48	88-CT6-026-010		CHAS,CD CDM
16	88-CT6-019-010		LENS,Q	49	88-CT6-046-010		PANEL,CD
17	88-CT6-014-010		BTN,Q	50	88-CT6-206-010		CUSHION,CD
18	88-CT6-013-010		BTN,REPEAT	51	86-CT9-039-010		BADGE,AIWA 30N
19	86-CT9-219-110		OIL-DMPR,GEAR	52	88-CT6-038-010		GRILLE,L
20	86-CT9-220-110		OIL-DMPR,BRACKET	53	87-CT7-154-010		CAP, SPKR A
21	88-CT6-008-010		KEY,CASS A	54	88-CT6-628-010		SPKR,T
22	88-CT6-009-010		KEY,CASS B	55	88-CT6-627-010		SPKR,W 4W
23	88-CT6-202-010		HLDR,LED	56	88-CT6-039-010		GRILLE,R
△	24	88-CT6-602-010	PT,U<U>	57	87-CT7-207-010		SPR-P,REC W
△	24	88-CT6-631-010	PT,H<LH>	A	87-651-104-410		VT1+3-30
25	86-CT9-223-010		CUSH,FOOT	B	87-493-100-410		VWWS+3-16 BLK
26	86-CT9-213-010		SPR-C,BATT(-)	C	87-651-100-410		VT1+3-16
27	87-A60-177-010		JACK,AC U W/SW<U>	D	87-751-097-410		SCREW 3X12
27	87-A60-178-010		JACK,AC E W/SW<LH>	E	87-751-096-410		SCREW 3X10
28	87-A90-086-010		COVER,AC-SOCKET	F	81-CD5-204-010		SCREW CD
29	SS-SP1-120-010		SW,VOLTAGE	G	87-741-095-410		SCREW TAPPING 3-8
30	88-CT6-023-010		CABI,REAR (6)	H	87-351-075-210		SCREW 2.6X10
31	86-CT9-212-010		SPR-C,BATT LINK	I	87-067-520-010		TAPPING SCREW, VFTT+2-6
32	88-CT6-041-010		LID,BATT (6)	J	87-571-033-410		TAPPING SCREW, VIT+2-4
33	86-CT9-026-010		PLATE,AC				

TAPE MECHANISM EXPLODED VIEW 1 / 2

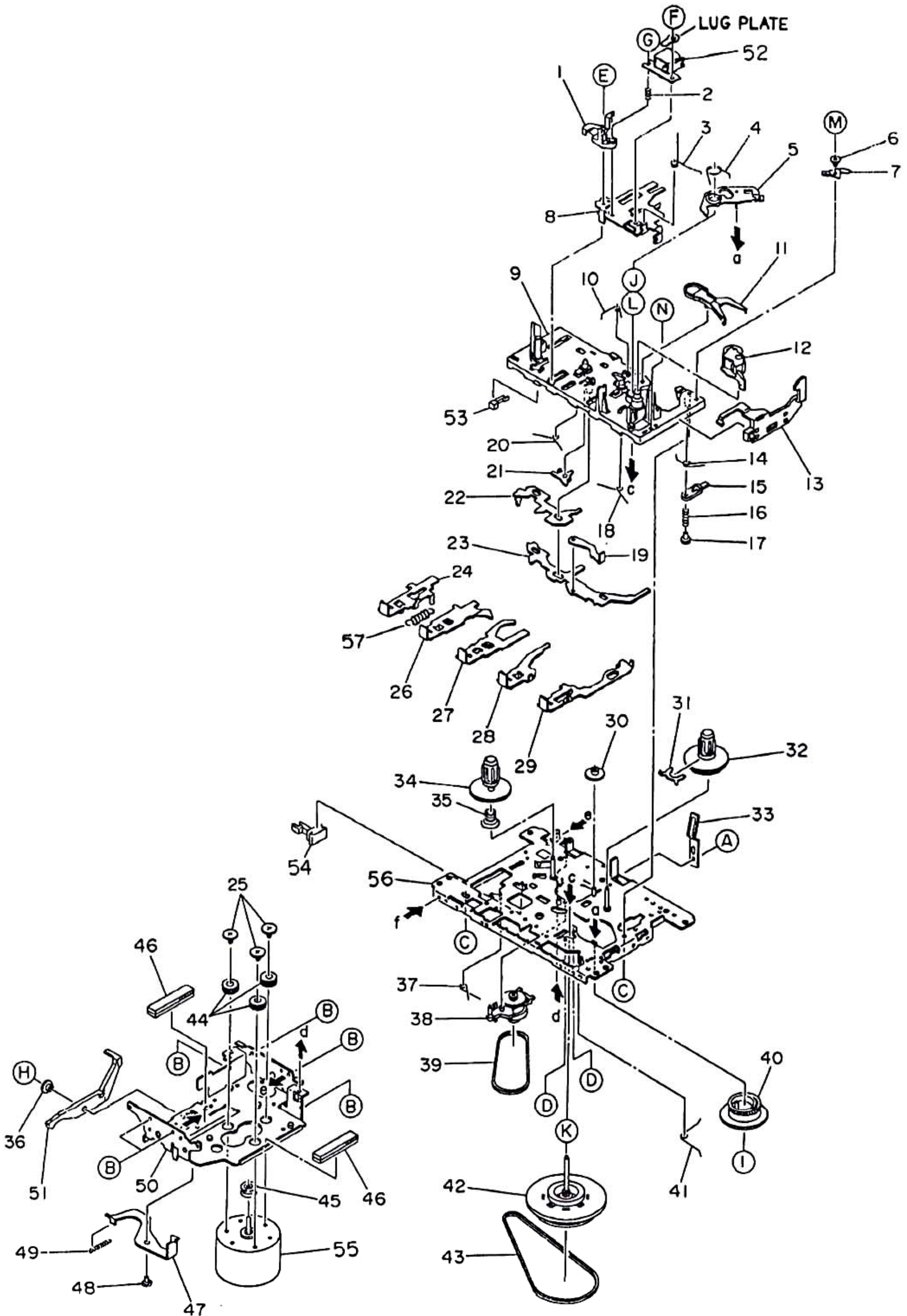


TAPE MECHANISM PARTS LIST 1 / 2

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

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-921-015-010		CHASSIS ASSY
2	S1-921-030-030		PANEL P SPRING
3	S1-921-260-050		GEAR PLATE SPRING
4	S1-921-265-020		GEAR PLATE ASSY
5	S1-921-043-090		PINCH ROLLER ARM ASSY
6	S1-921-140-370		P ARM COLLER
7	S1-921-140-340		P ARM
8	S1-921-030-050		MG ARM
9	S1-921-030-4A0		HEAD BASE
10	S1-921-030-110		HEAD PANEL
11	S1-921-141-8A0		M CONTROL SPRING
12	S1-821-030-070		AZIMUTH SPRING
13	S1-921-143-010		BASE ASSY
14	S1-921-260-4A0		SENSING LEVER
15	S1-921-130-020		EJECT SLIDE LEVER
16	S1-921-141-3A0		P CONTROL SPRING
17	S1-921-140-820		PAUSE LEVER(F)
18	S1-921-140-120		PAUSE LEVER SPRING
19	S1-921-140-110		PAUSE STOPPER
20	S1-921-140-150		BUTTON LEVER SPRING(B)
21	S1-921-140-140		BUTTON LEVER SPRING(A)
22	S1-921-140-200		PR STOPPER
23	S1-921-140-090		SWITCH ACTUATOR
24	S1-821-011-590		E KICK LEVER
25	S1-921-140-080		PUSH BUTTON ACTUATOR
26	S1-921-050-060		SENER
27	S1-921-053-030		TAKE UP REEL ASSY
28	S1-921-140-220		REC BUTTON LEVER
29	S1-921-053-040		SUPPLY REEL ASSY
30	S1-921-140-230		PLAY BUTTON LEVER
31	S1-829-100-100		BACK TENSION SPRING
32	S1-921-140-240		REW BUTTON LEVER
33	S1-921-140-250		FF BUTTON LEVER
34	S1-921-140-260		STOP BUTTON LEVER
35	S1-921-140-610		PAUSE BUTTON LEVER
36	S1-821-100-700		FF GEAR
37	S1-829-100-010		PACK SPRING
38	S1-821-100-690		RECORD SAFETY LEVER
39	S1-921-140-210		REC BUTTON LEVER SPRING
40	S1-921-260-020		CAM GEAR
41	S1-921-140-160		E ACTUATOR SPRING
42	S1-921-090-240		MAIN BELT
43	S1-921-093-030		FLYWHEEL ASSY
44	S1-921-070-030		RF BELT
45	S1-921-073-080		RF CLUTCH ASSY
46	S1-921-140-170		P.S.LEVER SPRING
47	S6-209-100-100		E HEAD PH-K380-MS1
48	S6-201-011-110		HEAD,RP7442ES-0951
49	S6-401-011-520		LEAF SW MSW-1541F
50	S6-401-011-610		LEAF SW MSW-17820MVEI
51	S1-821-010-500		PLAY BUTTON LEVER SPRING
A	S9-P33-200-320		DEL TITE SCREW M2-3
B	S9-422-000-000		P WASHER CUT 12-3.8-0.3
C	S9-679-000-000		P TAP SCREW M2-5
D	S9-999-180-090		TAP SCREW M2-4.5
E	S9-922-000-000		AZIMUTH SCREW M2-8
F	S9-P01-200-310		SCREW,M2-3
G	S9-004-000-000		SCREW,M2-6
H	S9-882-000-000		P WASHER 2-3.5-0.4
I	S9-999-200-410		P TAP SCREW M2-3
J	S9-999-030-130		P WASHER CUT 1.45-3.8-0.
K	S9-179-000-000		C TAP SCREW M2-3
L	S9-999-000-030		P WASHER2.1-4-0.13
M	S9-181-000-000		C TAP SCREW M2-5
N	S9-P05-200-610		S TAPPING SCREW M2-6

TAPE MECHANISM EXPLODED VIEW 2 / 2

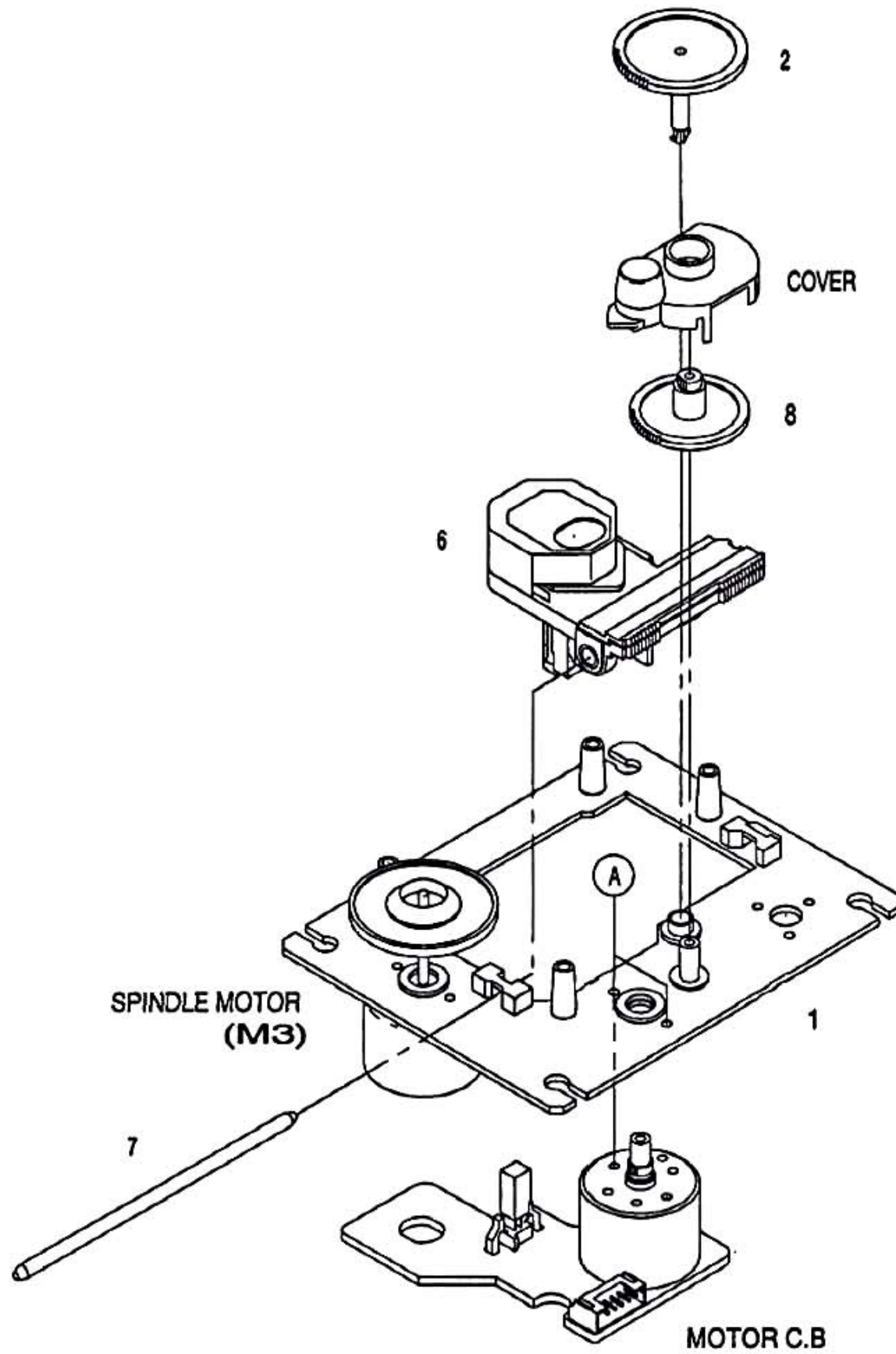


TAPE MECHANISM PARTS LIST 2/2

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		HEAD BASE	41	S1-921-140-160		E ACTUATOR SPRING
2	S1-821-030-070		AZIMUTH SPRING	42	S1-921-093-040		FLYWHEEL ASSY
3	S1-921-030-030		PANEL P SPRING	43	S1-921-090-240		MAIN BELT
4	S1-921-260-050		GEAR PLATE SPRING	44	S1-820-130-060		MOTOR RUBBER
5	S1-921-265-020		GEAR PLATE ASSY	45	S1-921-120-130		MOTOR PULLEY
6	S1-921-140-370		P ARM COLLER	46	S1-921-120-120		ANTI VIBR FELT MAT
7	S1-921-140-340		P ARM	47	S1-821-120-680		P KICK LEVER (A)
8	S1-921-030-110		HEAD PANEL	48	S1-821-120-230		PK COLLER SCREW A
9	S1-921-143-010		BASE ASSY	49	S1-821-120-250		P KICK LEVER SPRING
10	S1-921-141-8A0		M CONTROL SPRING	50	S1-921-120-110		MOTOR BRACKET
11	S1-921-260-4A0		SENSING LEVER	51	S1-921-120-090		P KICK LEVER
12	S1-921-043-090		PINCH ROLLER ARM ASSY	52	S6-201-011-110		HEAD,RP7442ES-0951
13	S1-921-130-020		EJECT SLIDE LEVER	53	S6-401-011-520		LEAF SW MSW-1541F
14	S1-921-141-3A0		P CONTROL SPRING	54	S6-401-011-610		LEAF SW MSW-17820MVE1
15	S1-921-140-820		PAUSE LEVER(F)	55	S6-002-030-290		MOTOR EG530YD-2BH
16	S1-921-140-120		PAUSE LEVER SPRING	56	S1-921-015-010		CHASSIS ASSY
17	S1-921-140-110		PAUSE STOPPER	57	S1-821-010-500		PLAY BUTTON LEVER SPRING
18	S1-921-140-150		BUTTON LEVER SPRING(B)	A	S9-P33-200-320		DEL TITE SCREW M2-3
19	S1-821-011-590		E KICK LEVER	B	S9-180-000-000		C TAP SCREW M2-4
20	S1-921-140-140		BUTTON LEVER SPRING(A)	C	S9-679-000-000		P TAP SCREW M2-5
21	S1-921-140-200		PR STOPPER	D	S9-999-180-090		TAP SCREW M2-4.5
22	S1-921-140-090		SWITCH ACTUATOR	E	S9-004-000-000		SCREW M2-6
23	S1-921-140-080		PUSH BUTTON ACTUATOR	F	S9-P01-200-310		SCREW,M2-3
24	S1-921-140-230		PLAY BUTTON LEVER	G	S9-922-000-000		AZIMUTH SCREW M2-8
25	S1-821-120-020		MOTOR COLLER SCREW	H	S9-182-000-000		C TAP SCREW M2-6
26	S1-921-140-240		REW BUTTON LEVER	I	S9-422-000-000		P WASHER CUT 12-3.8-0.3
27	S1-921-140-250		FF BUTTON LEVER	J	S9-999-030-130		P WASHER CUT 1.45-3.8
28	S1-921-140-260		STOP BUTTON LEVER	K	S9-882-000-000		P WASHER 2-3.5-0.4
29	S1-921-140-610		PAUSE BUTTON LEVER	L	S9-999-000-030		P WASHER2.1-4-0.13
30	S1-821-100-700		FF GEAR	M	S9-999-200-410		P TAP SCREW M2-3
31	S1-921-050-060		SENER	N	S9-P05-200-810		SCREW,S TAP 2-8
32	S1-921-053-030		TAKE UP REEL ASSY				
33	S1-829-100-010		PACK SPRING				
34	S1-921-053-040		SUPPLY REEL ASSY				
35	S1-829-100-100		BACK TENSION SPRING				
36	S1-821-120-650		COLLER B				
37	S1-921-140-170		P.S.LEVER SPRING				
38	S1-921-073-080		RF CLUTCH ASSY				
39	S1-921-070-030		RF BELT				
40	S1-921-260-020		CAM GEAR				

CD MECHANISM EXPLODED VIEW

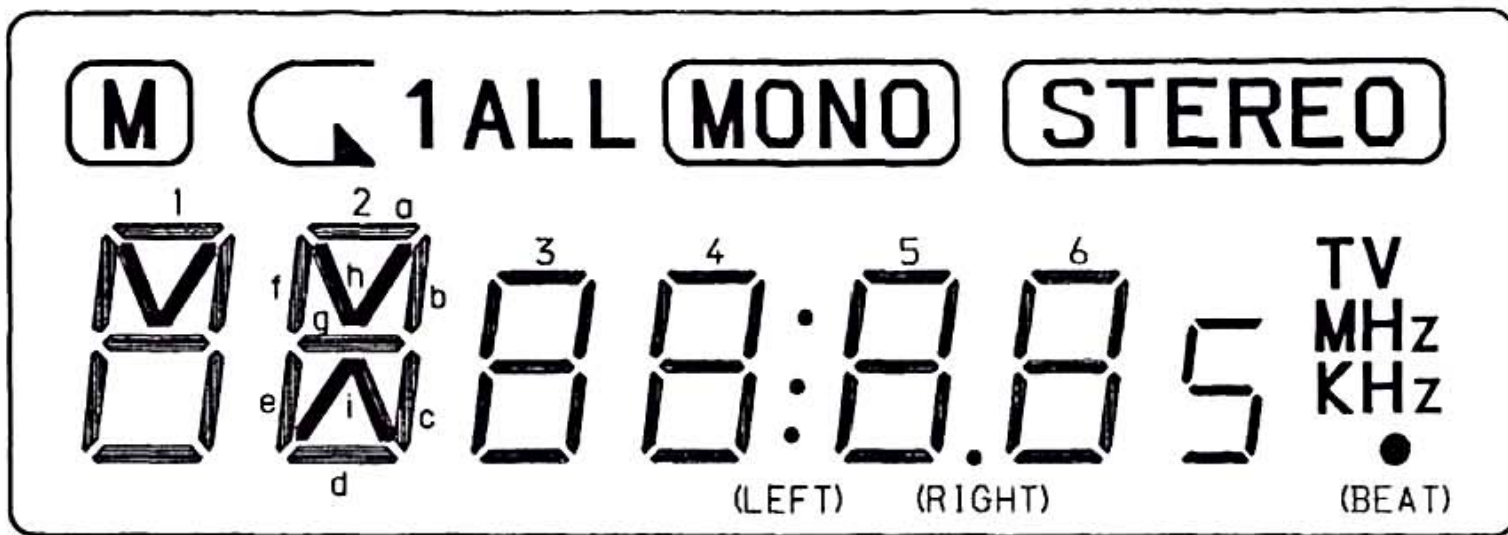


CD MECHANISM PARTS LIST 1 / 1

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

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	9X-262-620-210		MOTOR CHASSIS ASSY
2	92-626-907-010		GEAR(A)
6	87-A90-468-010		PICK UP KSS-213C
7	92-626-908-010		SHAFT SLED
8	92-627-003-020		GEAR(B) (RP)
A	97-621-255-150		SCREW+P2-3

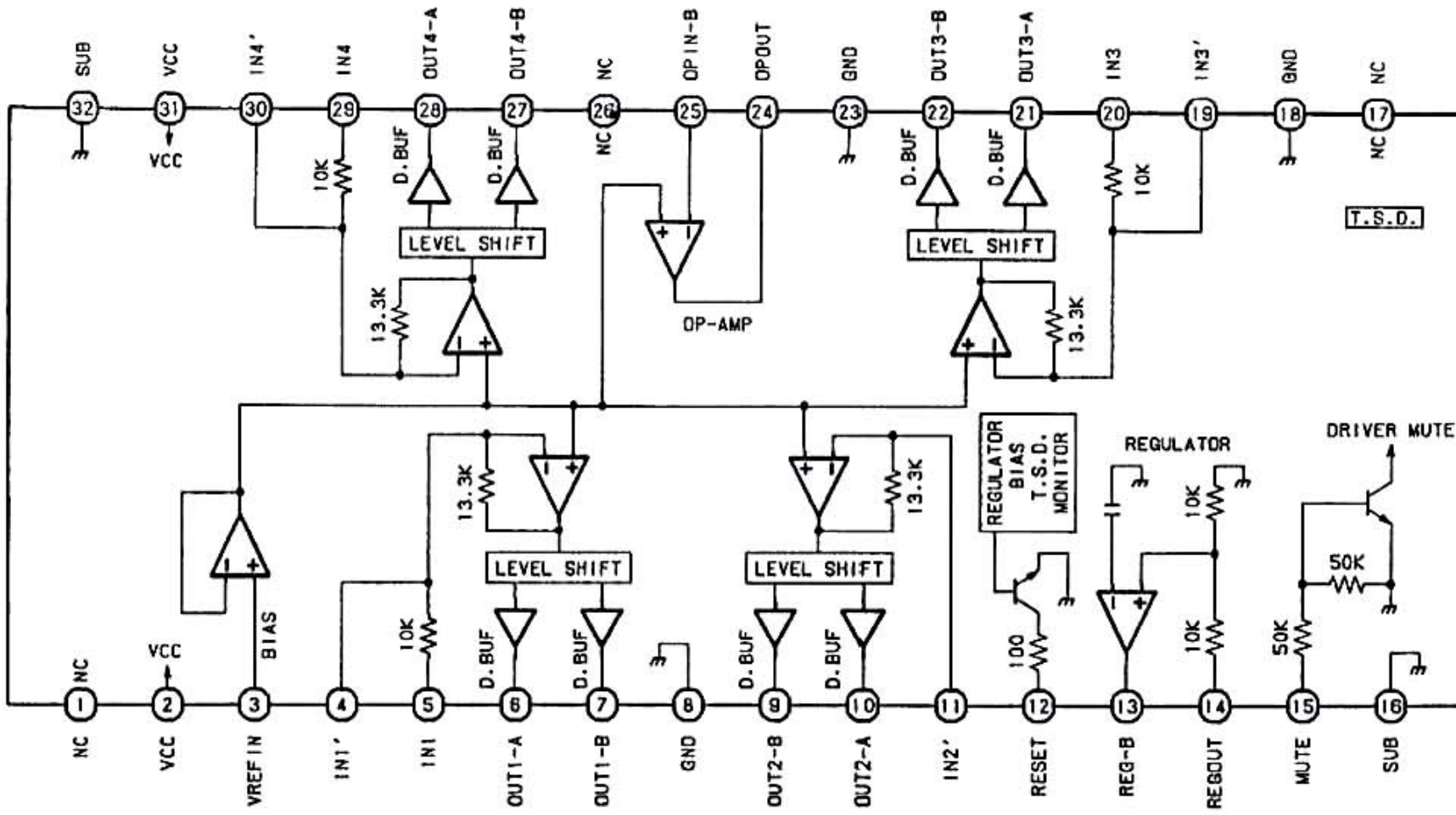
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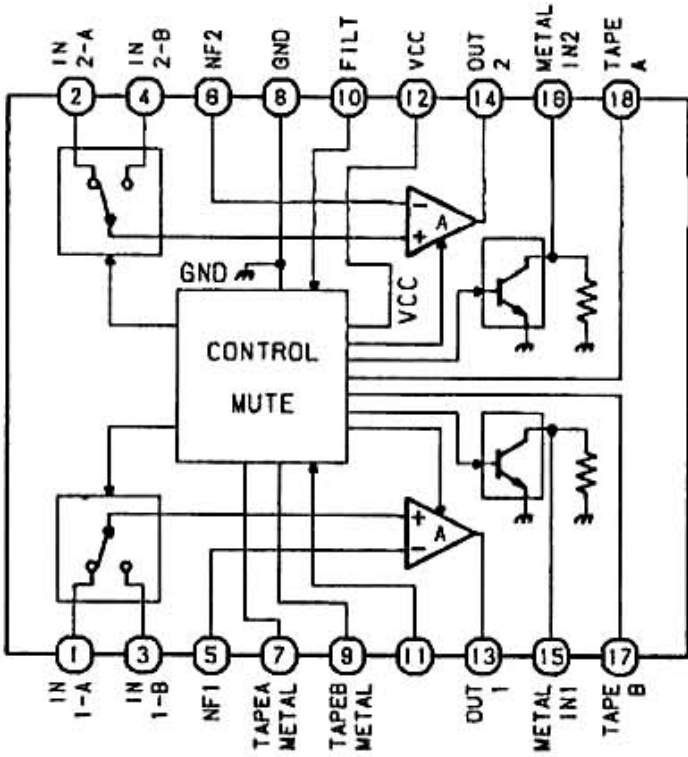
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2	—	COM. 2	—
3	—	—	COM. 3
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5	1b	1g	1e
6	1c	1d	M
7	2a	2h	2f
8	2b	2g	2e
9	2c	2i	2d
10	3f	3e	—
11	3a	3g	3d
12	3b	3c	1
13	4f	4e	ALL
14	4a	4g	4d
15	4b	4c	MONO
16	•	•(LEFT)	STEREO
17	5f	5e	—
18	5a	5g	5d
19	5b	5c	•(RIGHT)
20	6f	6e	•(BEAT)
21	6a	6g	6d
22	6b	6c	5
23	TV	MHz	KHz

IC BLOCK DIAGRAM

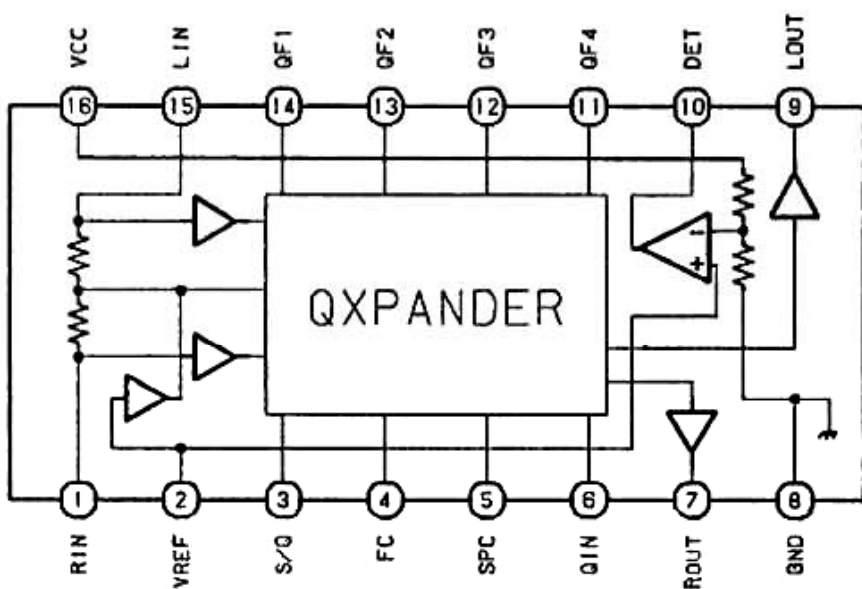
IC, BA6898S



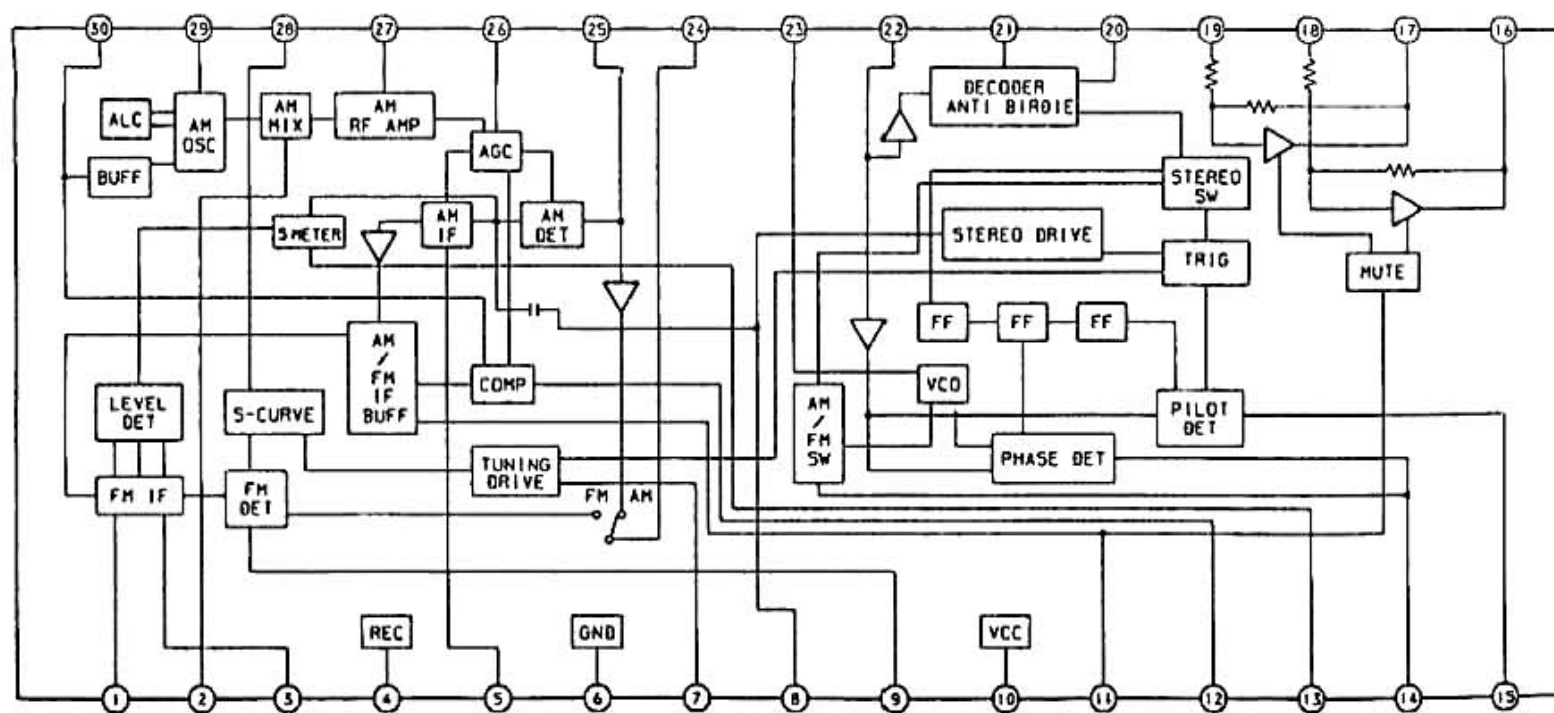
IC, BA3416BL



IC, MM1434XFBE



IC, LA1836



REFERENCE NAME LIST

ELECTRICAL SECTION

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

MECHANICAL SECTION

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

サービス技術ニュース	
番号	連絡内容
G-	-
G-	-
G-	-

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