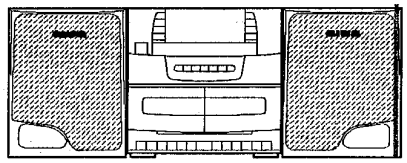
aiwa

aiwa SERVICE

NSX-V200

SERVICE MANUAL



COMPACT DISC/STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: TN-21ZSW-1622
- BASIC CD MECHANISM: 4ZG-2BC70
- TYPE: HE,HR,EZ,EEZ,K,LH

SYSTEM	CD-CASSEIVER	SPEAKER
NSX-V200	CX-NV200	SX-NV200

S/M Code No. 09-968-146-00T

TABLE OF CONTENTS

SPECIFICATIONS

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Antenna	Wire antenna

MW tuner section (HE, HR, EZ, EEZ, K only)

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Antenna	Loop antenna

SW tuner section (HE, HR only)

Tuning range	3.8 MHz to 12.5 MHz
Antenna	Wire antenna

LW tuner section (EZ, EEZ, K only)

Tuning range	153 kHz to 288 kHz
Antenna	Loop antenna

AM tuner section (LH only)

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Antenna	Loop antenna

Amplifier section

Power output

HE, HR MODELS:
Rated: 7 W + 7 W
(4 ohms, T. H. D. 1 %, 1 kHz)
Reference: 10 W + 10 W
(4 ohms, T. H. D. 10 %, 1 kHz)

EZ, EEZ MODELS:
Rated: 7 W + 7 W (4 ohms, T.H.D. 1 %, 1 kHz/DIN 45500)
Reference: 10 W + 10 W (4 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)
DIN MUSIC POWER
20 W + 20 W

K MODEL:
Rated: 7 W + 7 W (4 ohms, T.H.D. 1 %, 1 kHz/DIN 45500)
Reference: 10 W + 10 W (4 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)

LH MODEL:
10 W + 10 W (4 ohms, T.H.D. 10 % 1 kHz)

Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	Normal tape: 50 Hz – 12000 Hz (EIAJ)
Recording system	AC bias
Erasure system	Magnet erase
Motor	DC motor × 1
Heads	Deck 1: Recording/Playback head × 1 Erasure head × 1 Deck 2: Playback head × 1

Compact disc player section

Laser	Semiconductor laser (λ = 780 nm)
Rotation speed	Approx. 500-200 rpm/CLV
Error correction	Cross interleave, Reed Solomon code
Number of channels	2 channels
D/A converter	1 bit dual

SPEAKER SYSTEM

Cabinet type	2-way bass reflex type
Speaker	120 mm cone type woofer 20 mm ceramic type tweeter
Impedance	4 ohms
Dimensions (W × H × D)	220 × 257 × 240 mm (8 3/4 × 10 1/8 × 9 1/2 in.)
Weight	2.6 kg (5 lbs. 12 oz.)

GENERAL	**EZ, EEZ, K MODELS:**
Power requirements	230 V AC, 50 Hz
Power consumption	80 W
Dimensions of main unit	260 × 269 × 299 mm (10 1/4 × 10 5/8 × 11 7/8 in.)
Weight	5.7 kg (12 lbs. 9 oz.)
	HE, HR, LH MODELS:
Power requirements	110-120 V/220-240 V AC, swichable 50/60 Hz
Power consumption	55 W
Dimensions of main unit	260 × 269 × 299 mm (10 1/4 × 10 5/8 × 11 7/8 in.)
Weight	5.7 kg (12 lbs. 9 oz.)

- Design and specifications are subject to change without notice.

■ ACCESSORIES / PACKAGE LIST

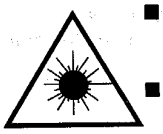
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	S4-401-641-000		INSTRUC,BOOK(CXNV200E)<EEZ,EZ>
1	S4-401-661-000		INSTRUC,BOOK(CXNV200HE)<HEJ,HRJ>
1	S4-401-671-000		INSTRUC,BOOK(CXNV200K)<K>
1	S4-401-651-000		INSTRUC,BOOK(CXNV200LH)<LH>
⚠ 2	S2-3A0-151-000		PLUG,CONVERSION<K>
⚠ 2	S2-3A0-092-000		PLUG,CONVERSION<HEJ,LH,HRJ>
3	SA-N00-373-000		ANT,LOOP AM
4	---		REMOCON,ASSY

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 expo-sure to beam.
- Advarsel: Usynlig laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainit-ulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylit-tävälle näkymättömälle lasersäteilylle.

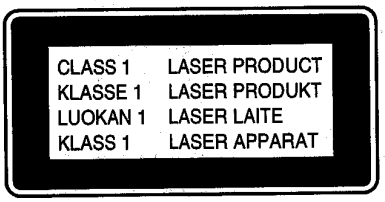
VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radi-ation exposure.

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

ADVARSEL!
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer 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.



DISASSEMBLY INSTRUCTIONS

1. Removing TRAY, L

1) Rotate the BELT, SQ-C in the direction of arrow (Fig-2①) (OUT).
2) While pressing the hook of the HLDR, MAGNET, pull out the TRAY, L.
   At this time, remove the claw of the TRAY, L from the guide groove.

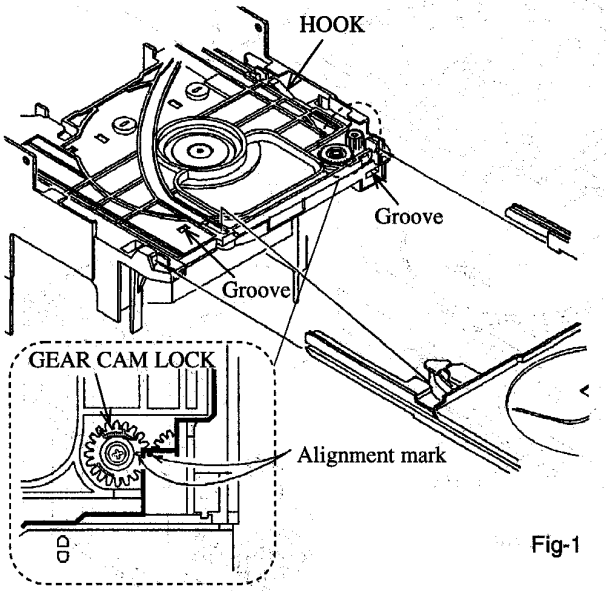


Fig-1

3) Cautions for attachment
   While aligning the GEAR CAM LOCK with the TRAY mark, attach the TRAY.

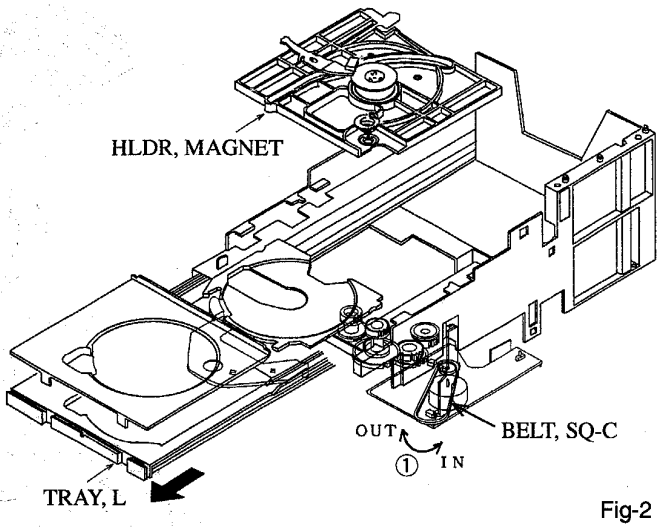


Fig-2

2. Removing BOX, TRAY

1) The BOX, TRAY moves up and down by turning the GEAR UP DOWN D in the direction of arrow (Fig-3①).

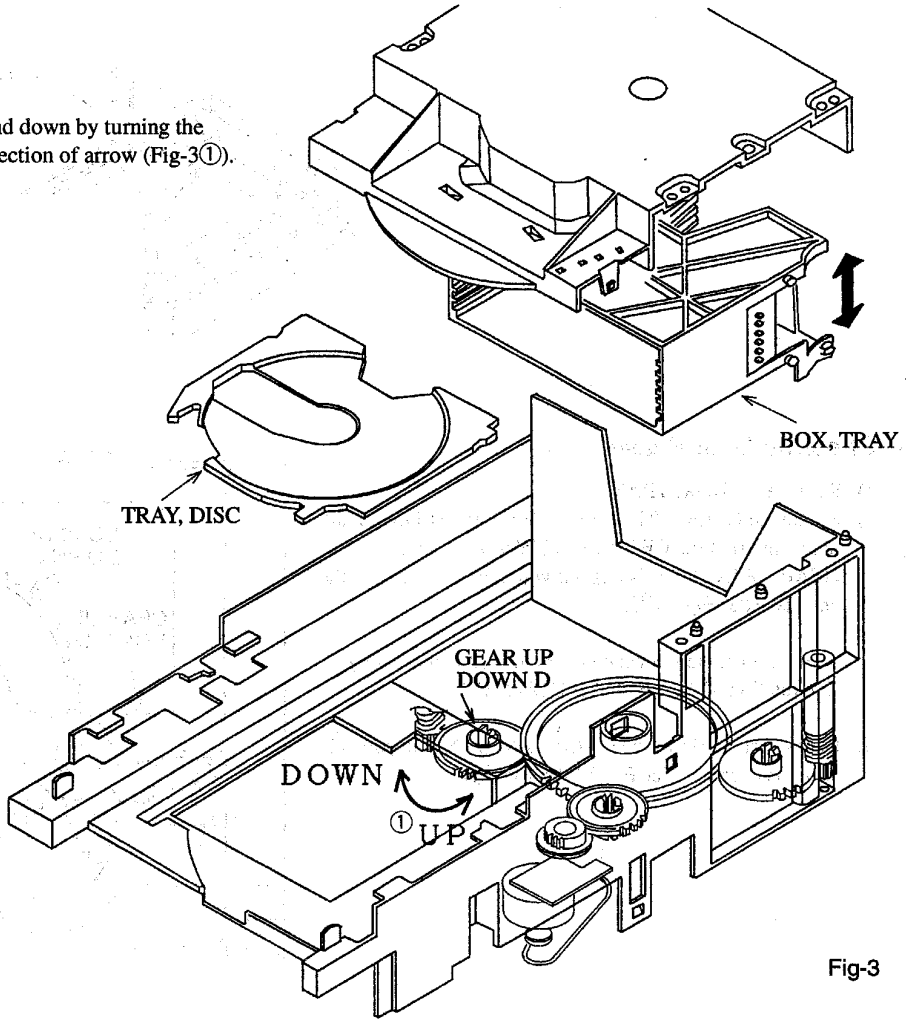


Fig-3

3. Chucking Method

1) The CD chucking operation can be performed by turning the GEAR, CAM in the direction of arrow (Fig-4①).

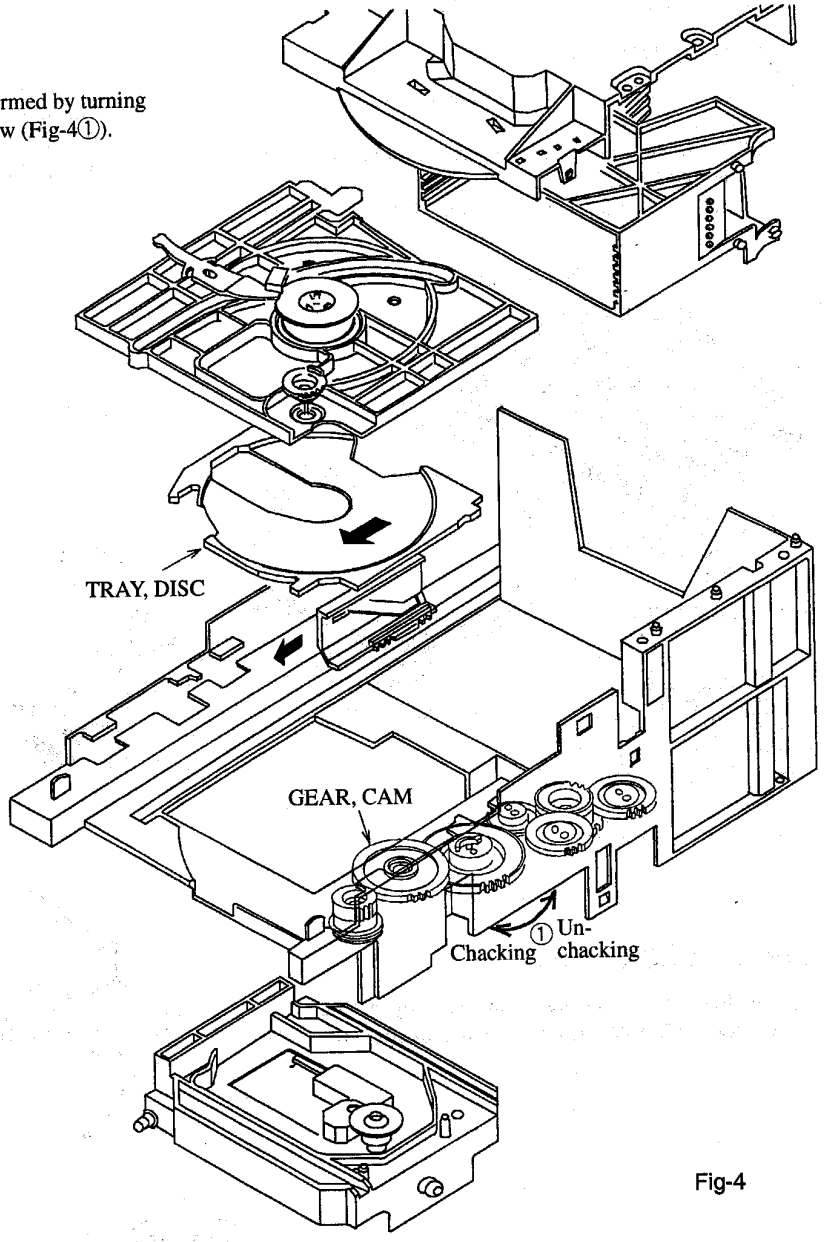


Fig-4

4. Checking Gear Phase

1) Remove the BOX, TRAY.
2) Rotate the GEAR UP DOWN D manually until the round hole (small) of the GEAR UP DOWN B and of the GEAR UP DOWN C is aligned with the round hole of the chassis. (See Fig-5 (①).)

* There is a position in which the holes agree once every five rotation of the GEAR UP DOWN C.

3) Check that the slit of the GEAR CAM BOX is in parallel with the chassis. (See Fig-5 (②) and (③).)

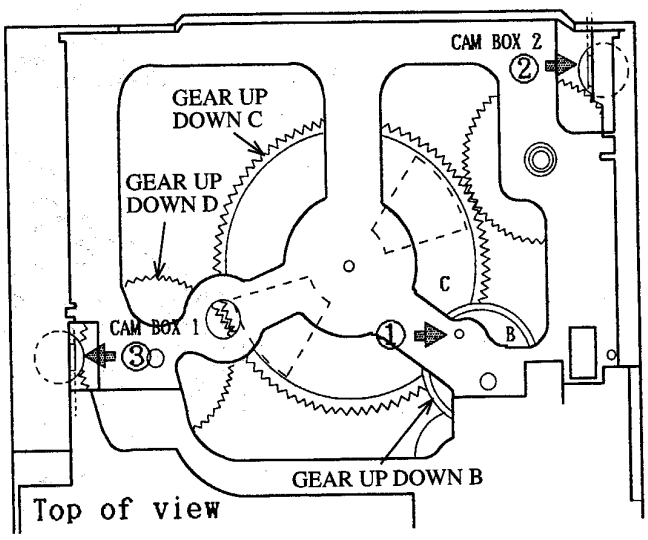


Fig-5

5. Assembling the GEAR UP DOWN

1) Rotate the GEAR UP DOWN D manually until the round hole (small) of the GEAR UP DOWN B and of the GEAR UP DOWN C is aligned with the round hole of the chassis.
2) Attach the GEAR CAM BOX.

* The GEAR CAM BOX, SPR-C and G-BOX are different in the right and left. (Diameter of the spring is different.) Check them with the rib.

3) Attach the CHASSIS, BOTTOM.
4) Connect the connector C.B by soldering.

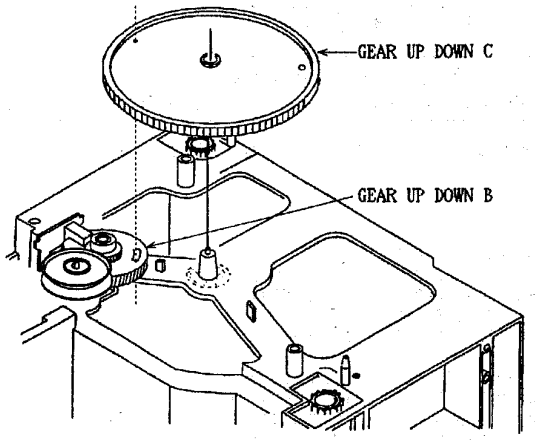


Fig-6

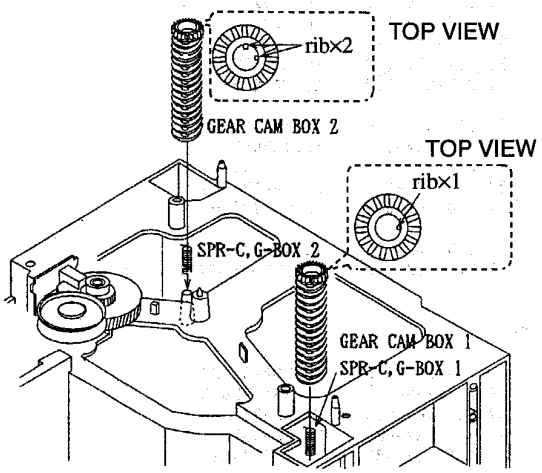


Fig-7

6. Checking the Gear Position

6-1. Remove the HLDR, MAGNET.

1) Remove the claw in the front and pull it upwards.
2) Remove the claws in the right and left at the rear of the HLDR, MAGNET.
3) Remove the flat cable.

6-2. Confirm that the CD mechanism is in the "chucking released" state (in the DOWN state with the CAM, GEAR in the direction of the arrow.) Confirm that the GEAR MECHA A and the GEAR MECHA B are located in the positions as shown in Fig-8.

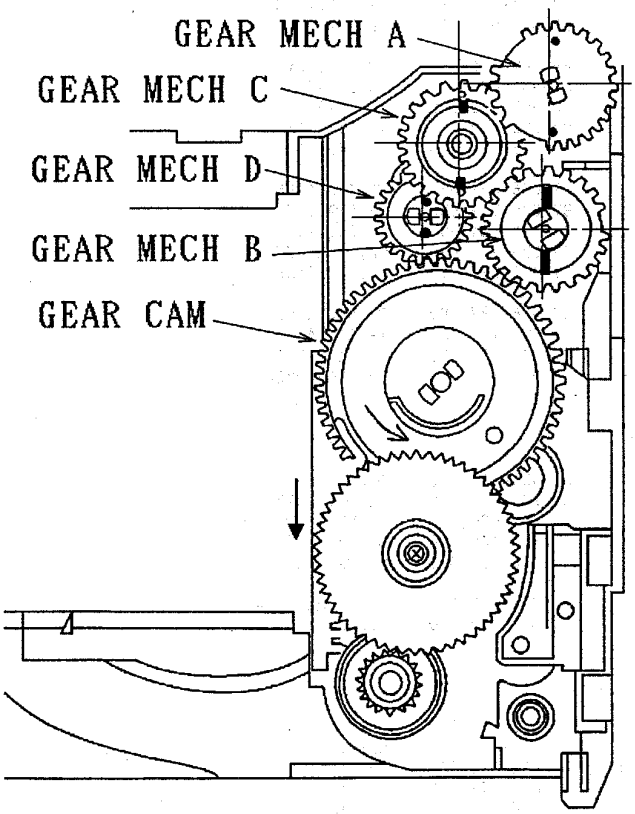


Fig-8

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.	カンリ NO.	DESCRIPTION
IC			
	S1-032-410-000		IC,7201L55
	87-001-440-010		IC,BA15218N
	S1-024-220-000		IC,BA4558N
	87-020-828-010		IC,BA3416BL
	S1-025-210-000		IC,BU2029
	87-027-666-080		IC,BU4052BC
	87-017-915-010		IC,BU4094BCF
	87-017-914-010		IC,CD4094BE
	S1-020-240-000		IC,KIA7805
	87-002-268-010		IC,LA1851N
	87-001-376-010		IC,LC7218
	87-017-564-010		IC,LC7533
	86-CT2-601-010		IC,LC867124V-5B13
	87-017-787-010		IC,M62412P 2CH
	87-017-801-010		IC,TA2058F
	87-070-231-040		IC,TA2063F
	87-070-134-010		IC,TA2065F
	87-001-982-010		IC,TA7291S
	87-017-680-010		IC,TA8176SN
	87-070-308-010		IC,TA8205AH
	87-070-101-010		IC,TC9284F
	87-070-083-010		SENSOR RECEIVER (GP1U281X)
TRANSISTOR			
	89-110-153-410		TR,2SA1015GR
	89-112-965-010		TR,2SA1296GR
	87-026-463-010		TR,2SA933S-S
	89-109-522-080		TR,2SA952K
	87-026-462-080		TR,2SC1740S
	S2-2SC-192-306		TR,2SC19230
	89-320-011-010		TR,2SC2001L
	89-322-406-510		TR,2SC2240GR
	89-414-683-080		TR,2SD1468R
	89-501-615-010		TR,2SK161Y
	89-502-466-010		TR,2SK246Y
	S2-901-4C1-000		TR,9014C
	S2-901-5C1-000		TR,9015C
	87-026-269-080		TR,DTA114ES
	87-026-572-080		TR,DTA114YS
	87-026-288-080		TR,DTA143ES
	87-026-219-080		TR,DTA144ES
	87-026-464-080		TR,DTC114TS
	87-026-203-080		TR,DTC114YS
	87-026-291-080		TR,DTC124XS
	87-026-287-080		TR,DTC143ES
	S2-DTC-143-TS7		TR,DTC143TS
	87-026-313-080		TR,DTC343TS
	87-026-610-080		TR,KTC3198GR
DIODE			
	87-020-465-010		DIODE,1SS133
	S3-1SS-135-100		DIODE,1SS135
	S3-DBF-60C-K13		DIODE,BRIDGE DBF60C-K13
	S3-IN4-148-200		DIODE,IN-4148
	87-070-334-080		ZENER,MTZJ10B
	S3-MTZ-J15-A10		ZENER,MTZJ15A
	S3-Z51-V10-000		ZENER,MTZJ5.1B
MAIN C.B			
C103	87-010-908-010		CAP,E 220-10V
C104	87-010-035-010		CAP,E 2.2-50V
C108	87-016-073-080		CAP,E 1-50V
C109	87-016-073-080		CAP,E 1-50V
C110	87-016-073-080		CAP,E 1-50V
C111	87-010-492-040		CAP,E 0.33-50V
C113	87-015-995-010		CAP,E 4.7-50V
C116	87-010-412-080		CAP,E 10-25V
C131	87-015-692-010		CAP,E 0.22-50V
C132	87-015-692-010		CAP,E 0.22-50V
C142	87-016-459-080		CAP,E 470-10V
C160	87-010-264-010		CAP,E 100-10V
C167	87-015-697-010		CAP,E 3.3-50V
C169	87-010-490-010		CAP,E 0.1-50V
C305	87-015-718-010		CAP,E 47-16V
C306	87-015-718-010		CAP,E 47-16V
C307	87-010-038-010		CAP,E 22-25V
C309	87-015-692-010		CAP,E 0.22-50V
C310	87-015-692-010		CAP,E 0.22-50V
C311	87-010-908-010		CAP,E 220-10V
C312	87-010-653-010		CAP,E 47-25V
C315	87-016-073-080		CAP,E 1-50V
C316	87-016-073-080		CAP,E 1-50V
C317	87-010-038-010		CAP,E 22-25V
C318	87-010-038-010		CAP,E 22-25V
C319	87-010-405-010		CAP,E 10-50V
C320	87-010-405-010		CAP,E 10-50V
C327	87-015-995-010		CAP,E 4.7-50V
C331	87-010-891-010		CAP,E 47-10V
C351	87-016-073-080		CAP,E 1-50V
C501	87-016-073-080		CAP,E 1-50V
C502	87-016-073-080		CAP,E 1-50V
C503	87-016-073-080		CAP,E 1-50V
C504	87-016-073-080		CAP,E 1-50V
C505	87-016-459-080		CAP,E 470-10V
C531	87-016-073-080		CAP,E 1-50V
C532	87-016-073-080		CAP,E 1-50V
C539	87-015-692-010		CAP,E 0.22-50V
C540	87-015-692-010		CAP,E 0.22-50V
C541	87-010-653-010		CAP,E 47-25V
C571	87-016-073-080		CAP,E 1-50V
C572	87-016-073-080		CAP,E 1-50V
C573	87-016-073-080		CAP,E 1-50V
C574	87-016-073-080		CAP,E 1-50V
C579	87-010-891-010		CAP,E 47-10V
C580	87-016-073-080		CAP,E 1-50V
C581	87-010-400-080		CAP,E 0.47UF-50V
C582	87-016-459-080		CAP,E 470-10V
C583	87-016-459-080		CAP,E 470-10V
C591	87-016-073-080		CAP,E 1-50V
C592	87-016-073-080		CAP,E 1-50V
C601	87-015-995-010		CAP,E 4.7-50V
C602	87-015-995-010		CAP,E 4.7-50V
C605	87-010-680-010		CAP,E 33-16V
C606	87-010-680-010		CAP,E 33-16V
C607	87-010-405-010		CAP,E 10-50V
C608	87-010-405-010		CAP,E 10-50V
C611	87-010-891-010		CAP,E 47-10V
C612	87-010-908-010		CAP,E 220-10V
C613	87-010-490-010		CAP,E 0.1-50V
C619	87-015-692-010		CAP,E 0.22-50V
C620	87-015-692-010		CAP,E 0.22-50V
C621	87-010-405-010		CAP,E 10-50V
C622	87-010-405-010		CAP,E 10-50V
C623	87-010-405-010		CAP,E 10-50V
C624	87-010-405-010		CAP,E 10-50V
C628	87-010-405-010		CAP,E 10-50V
C629	87-010-405-010		CAP,E 10-50V
C721	87-010-780-410		CAP,E 6800UF-25V
C722	87-010-110-080		CAP,E 220UF-25V
C723	87-010-908-010		CAP,E 220-10V
C726	87-015-995-010		CAP,E 4.7-50V
C727	87-010-264-010		CAP,E 100-10V
C728	87-016-459-080		CAP,E 470-10V
C729	87-010-264-010		CAP,E 100-10V
C730	87-010-908-010		CAP,E 220-10V
C741	87-016-131-080		CAP,E 100-25V

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C831	87-010-412-080		CAP,E 10-25V
C832	87-010-264-010		CAP,E 100-10V
C833	87-010-908-010		CAP,E 220-10V
C834	87-010-908-010		CAP,E 220-10V
C835	87-010-490-010		CAP,E 0.1-50V
C1028	87-015-995-010		CAP,E 4.7-50V<EXCEPT LH>
CF1	S2-900-081-000		CER,FIL FM 10.7MHZ
CF101	S2-900-081-000		CER,FIL FM 10.7MHZ
CT51	SC-N20-050-MS0		CAP,TRIMMER 20PF-50V
IFT101	S6-016-510-000		COIL,QUAD FM
J101	S2-3B0-301-000		TERMINAL,PUSH
J601	S2-3B0-111-000		JACK,HP ST
J602	S2-300-401-000		SPKR,TERMINAL(BLK)
J801	S2-3A0-132-000		JACK,PIN RCA
L1	S7-A00-490-000		COIL,FM 2-15T-0.5C
L2	S7-A00-550-000		COIL,AMT FM
L3	S7-A00-480-000		COIL,FM 5.5-4 1/2
L4	87-005-676-080		INDUCTOR,2.2UH
L5	S7-A00-480-000		COIL,FM 5.5-4 1/2
L52	S6-017-810-000		COIL,OSC MW PS
L151	S2-600-345-000		INDUCTOR,4.7UH
L152	S2-600-183-000		INDUCTOR,47UH
L301	S6-019-310-000		COIL,OSC BIAS AC 7MM
L501	S6-030-210-000		COIL,ANT MW
L601	S2-600-264-000		INDUCTOR,1UH
L602	S2-600-264-000		INDUCTOR,1UH
L603	S2-600-264-000		INDUCTOR,1UH
L604	S2-600-264-000		INDUCTOR,1UH
L1000	S2-600-264-000		INDUCTOR,1UH<HEJ,HRJ>
L1007	S6-021-310-000		COIL,ANT LW<EEZ,K,EZ>
L1007	S6-021-020-000		COIL,ANT SW 10-10<HEJ,HRJ>
L1024	S6-017-510-000		COIL,OSC LW PS<EEZ,K,EZ>
L1024	S6-018-410-000		COIL,OSC SW3<HEJ,HRJ>
MFT101	S6-016-610-000		FILTER CFMT-037
SFR101	SR-V22-310-000		SFR,22K(B)
SFR102	SR-V10-360-000		SFR,10K
SFR751	SR-V22-260-000		SFR,2.2K
SW301	S8-024-710-000		SW,6P2T(PS62D01)
VC1	S3-SVC-203-300		DIODE,SVC203SPA/SVC203SPA-AA3
VC2	S3-SVC-203-300		DIODE,SVC203SPA/SVC203SPA-AA3
VC3	S3-SVC-203-300		DIODE,SVC203SPA/SVC203SPA-AA3
VC52	S3-KV1-260-344		DIODE,KV1260TS2-34
VC1020	S3-KV1-260-344		DIODE,KV1260TS2-34<EXCEPT LH>
X101	S2-900-581-000		CER,RESO KBR457HS15
X151	S2-101-004-000		X'TAL 7.2MHZ

FRONT C.B

C1	87-010-371-080		CAP,E 470UF-6.3V
C7	87-010-400-080		CAP,E 0.47UF-50V
C8	87-016-073-080		CAP,E 1-50V
C9	87-015-692-080		CAP,E 0.22UF-50V
C10	87-010-412-080		CAP,E 10-25V
C404	87-016-073-080		CAP,E 1-50V
C405	87-015-692-080		CAP,E 0.22UF-50V
C407	87-016-073-080		CAP,E 1-50V
C409	87-010-264-010		CAP,E 100-10V
C410	87-010-405-010		CAP,E 10-50V
C413	87-010-412-080		CAP,E 10-25V
D6	S2-800-011-000		LED,3MM(RED)
D18	S2-800-501-000		LED,3MM(ORN)
D19	S2-800-501-000		LED,3MM(ORN)
D20	S2-800-501-000		LED,3MM(ORN)
D21	S2-800-501-000		LED,3MM(ORN)
D22	S2-800-501-000		LED,3MM(ORN)
D23	S2-800-491-000		LED,3MM
D24	S2-800-491-000		LED,3MM
D25	S2-800-491-000		LED,3MM
D26	S2-800-491-000		LED,3MM
D27	S2-800-491-000		LED,3MM
D31	S2-800-491-000		LED,3MM
D32	S2-800-491-000		LED,3MM
D33	S2-800-491-000		LED,3MM
D34	S2-800-491-000		LED,3MM
D35	S2-800-491-000		LED,3MM
D36	S2-800-491-000		LED,3MM
D41	S2-800-491-000		LED,3MM
D42	S2-800-491-000		LED,3MM
D43	S2-800-491-000		LED,3MM
D44	S2-800-491-000		LED,3MM
D45	S2-800-491-000		LED,3MM
D46	S2-800-491-000		LED,3MM
D47	S2-800-491-000		LED,3MM
D48	S2-800-491-000		LED,3MM
D49	S2-800-491-000		LED,3MM
D50	S2-800-491-000		LED,3MM
D51	S2-800-491-000		LED,3MM
D52	S2-800-491-000		LED,3MM
D53	S2-800-491-000		LED,3MM
D54	S2-800-491-000		LED,3MM
FT2	S1-201-361-000		CABLE,FFC 15P
J401	S2-300-371-000		JACK,MIC MONO 3.5MM
L1	87-003-102-080		INDUCTOR,10UH
L2	S7-A00-570-000		COIL,TOROIDAL RI-818462
L3	S7-A00-570-000		COIL,TOROIDAL RI-818462
L4	S2-600-264-000		INDUCTOR,1UH
LCD1	S2-700-831-000		LCD,AIW4029T-30P
VR401	S1-501-282-000		VOLUME,MIC
X1	S2-101-014-000		X'ATL 32.768KHZ

CD C.B

C4	87-010-891-010		CAP,E 47-10V
C5	87-010-891-010		CAP,E 47-10V
C6	87-010-264-010		CAP,E 100-10V
C9	87-010-405-010		CAP,E 10-50V
C10	87-010-891-010		CAP,E 47-10V
C13	87-010-405-010		CAP,E 10-50V
C14	87-010-444-080		CAP,E 22UF-50V
C22	87-010-680-010		CAP,E 33-16V
C23	87-010-264-010		CAP,E 100-10V
C25	87-010-264-010		CAP,E 100-10V
C35	87-010-264-010		CAP,E 100-10V
C38	87-015-995-010		CAP,E 4.7-50V
C44	87-010-908-010		CAP,E 220-10V
C48	87-010-891-010		CAP,E 47-10V
C50	87-010-891-010		CAP,E 47-10V
C70	87-010-264-010		CAP,E 100-10V
C72	87-010-264-010		CAP,E 100-10V
C74	87-010-264-010		CAP,E 100-10V
C81	87-016-073-080		CAP,E 1-50V
C85	87-016-073-080		CAP,E 1-50V
C100	87-010-891-010		CAP,E 47-10V
C101	87-010-035-010		CAP,E 2.2-50V
C102	87-010-035-010		CAP,E 2.2-50V
C124	87-010-264-010		CAP,E 100-10V
C126	87-016-459-080		CAP,E 470-10V
C132	87-016-459-080		CAP,E 470-10V
FB1	S1-8A0-010-100		INDUCTOR,FB35RHTYPE
FB2	S1-8A0-010-100		INDUCTOR,FB35RHTYPE
FT1	S1-201-351-000		CABLE,FFC 14P
SFR1	SR-V10-360-000		SFR,10K
SFR2	SR-V10-480-000		SFR,100K
SFR4	SR-V10-480-000		SFR,100K
X1	S2-900-312-000		CER,RESO

PT C.B

⚠F701	S4-003-810-000		FUSE,6.3A/250V

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
CONNECTOR C.B			
C1	87-016-271-080		CAP,E 22-16 BP
C2	87-016-271-080		CAP,E 22-16 BP
M1	87-045-383-010		MOT,M9I T2
M2	87-045-383-010		MOT,M9I T2
SW1	87-036-109-010		SW,PUSH SPPB 61
SW2	87-036-109-010		SW,PUSH SPPB 61
SW3	87-036-252-010		SW,PUSH SPPB 51
W1	84-ZG2-610-010		F-CABLE 2.0-2P L=150
MOTOR C.B			
C11	87-016-271-080		CAP,E 22-16 BP
M11	87-045-383-010		MOT,M9I T2
PH C.B			
PH21	87-026-573-010		P-SNSR,GP1S53V
SENSOR C.B			
Q1	87-026-674-010		P-TR,PT4850F
Q2	87-026-674-010		P-TR,PT4850F
W2	84-ZG2-612-010		CABLE,FFC 4P L=225

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
LED C.B			
LED41	87-070-288-010		LED,GL380
LED42	87-070-288-010		LED,GL380
CD MOTOR C.B			
M20	87-045-362-019		MOT,MDN4RA3FTAS1
M21	87-045-362-019		MOT,MDN4RA3FTAS1
SW1	87-036-340-019		SW,LEAF LSA-1121
CASS. DECK C.B			

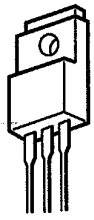
TRANSISTOR ILLUSTRATION

ECB

2SA952
2SA1015
2SA1296
2SC1923
2SC2001
2SC2240
2SD1468
9014C
9015C
KTC3198

ECB

2SA933S
2SC1740S
DTA114ES
DTA114YS
DTA143ES
DTA144TS
DTC114TS
DTC114YS
DTC124XS
DTC143ES
DTC343TK



BEC

2SB1015

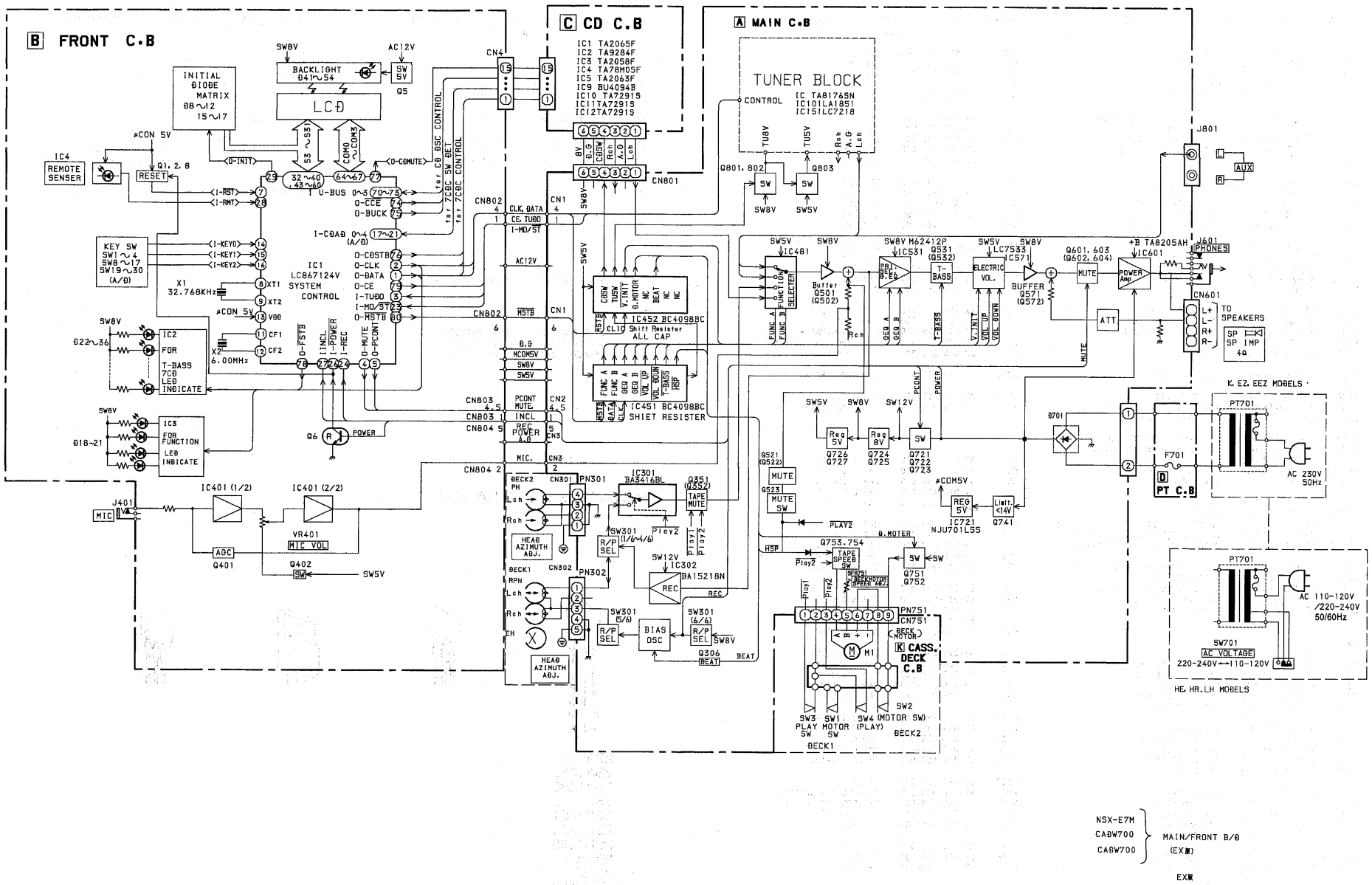
DSG

2SK161

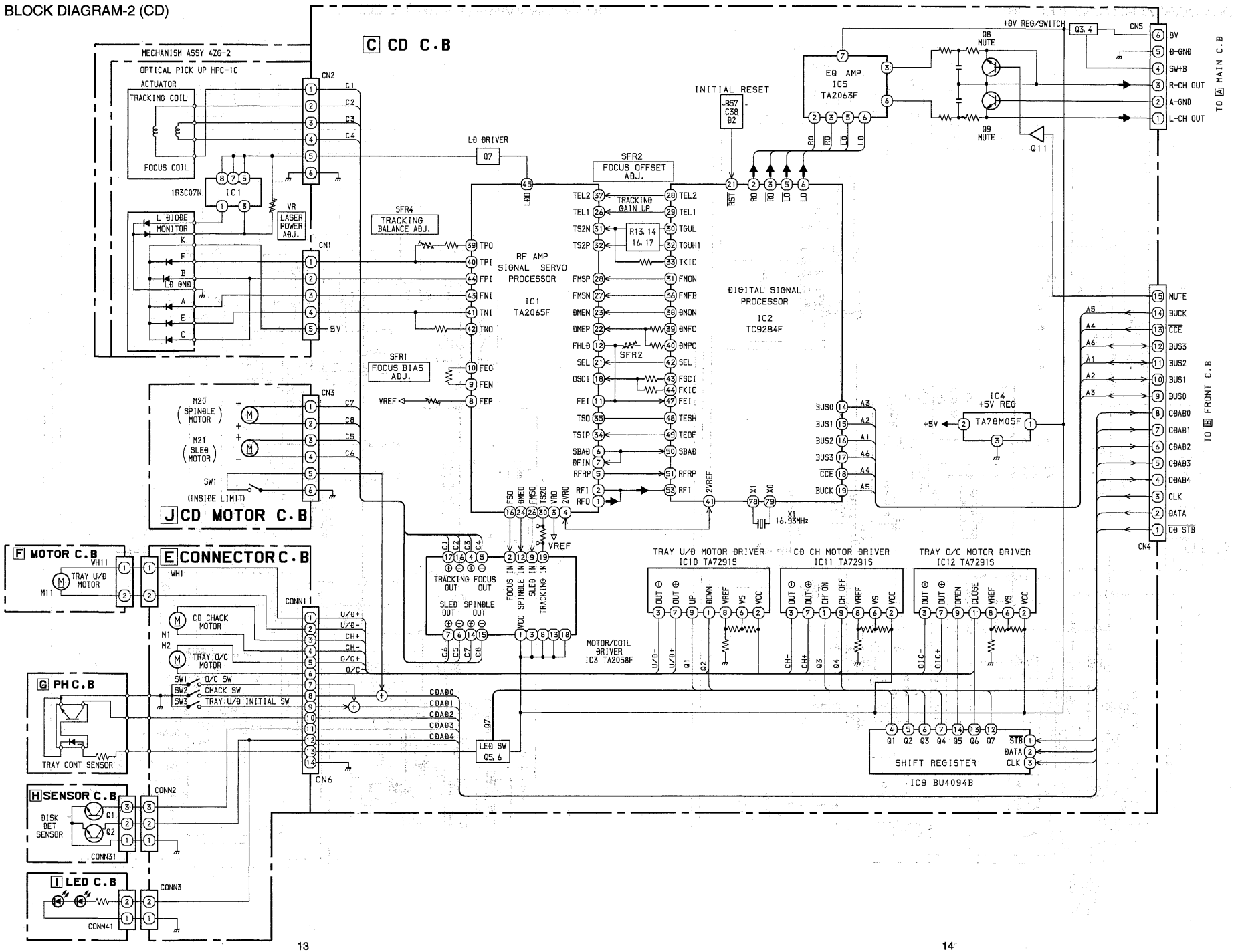
DGS

2SK246

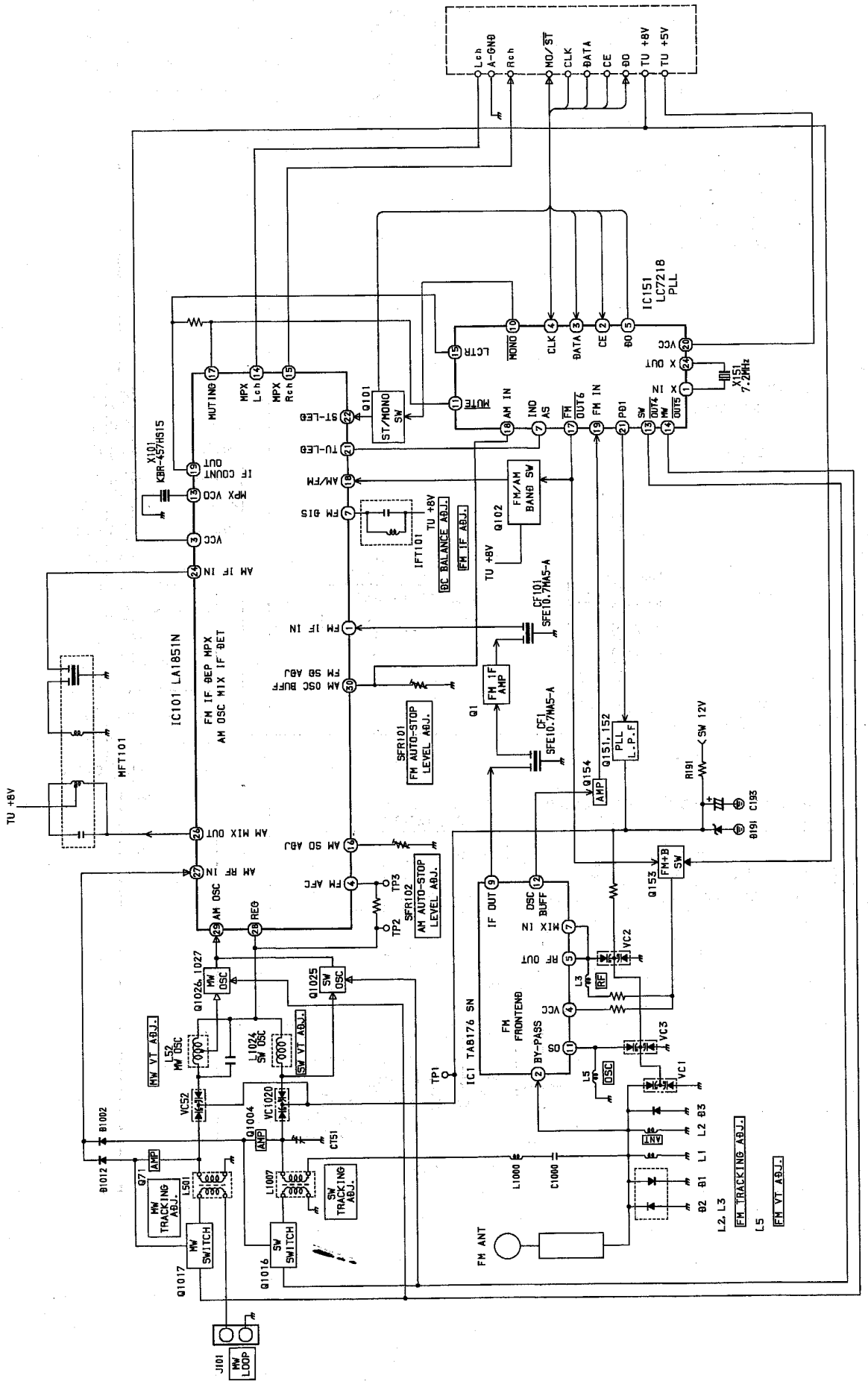
BLOCK DIAGRAM-1 (MAIN)



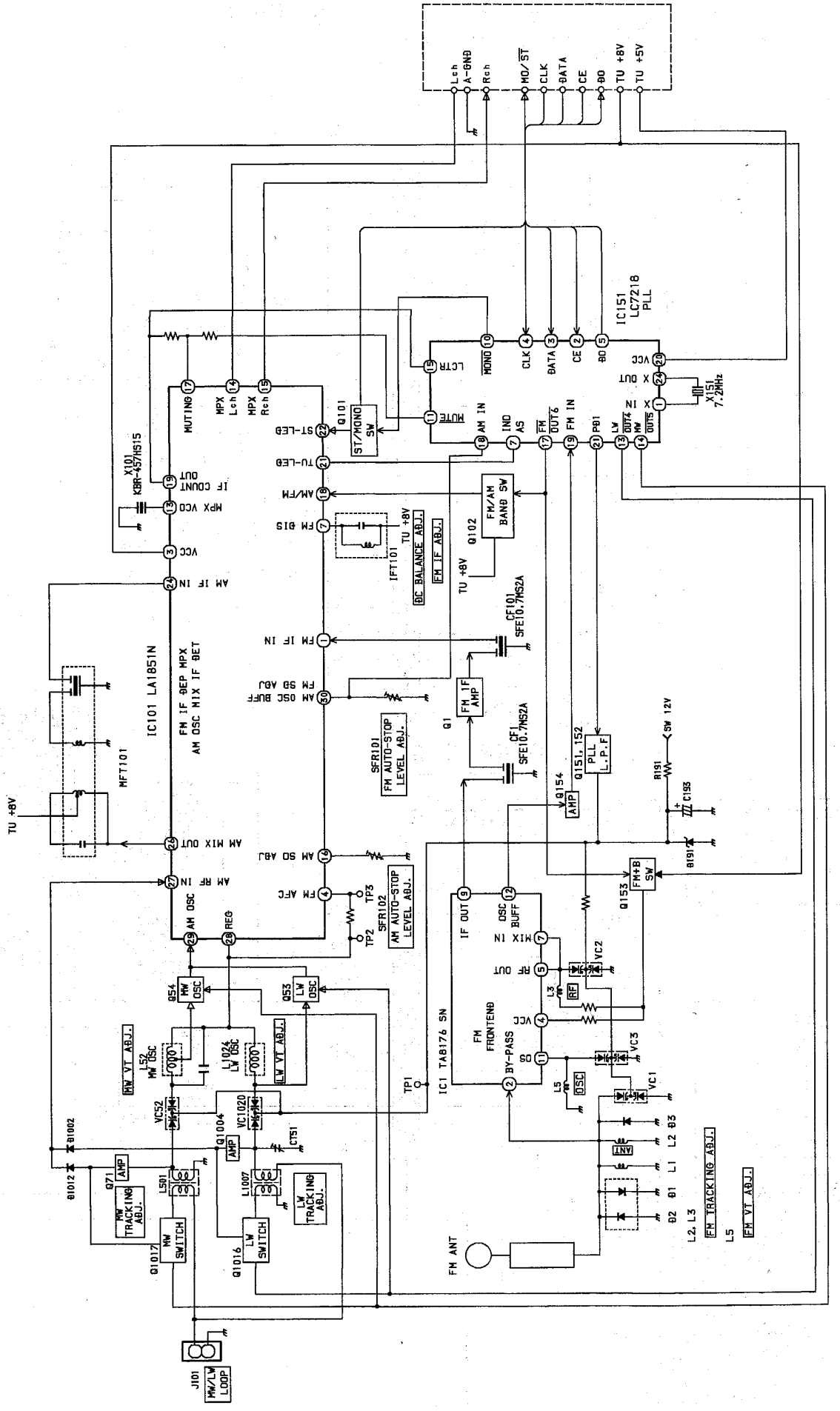
BLOCK DIAGRAM-2 (CD)



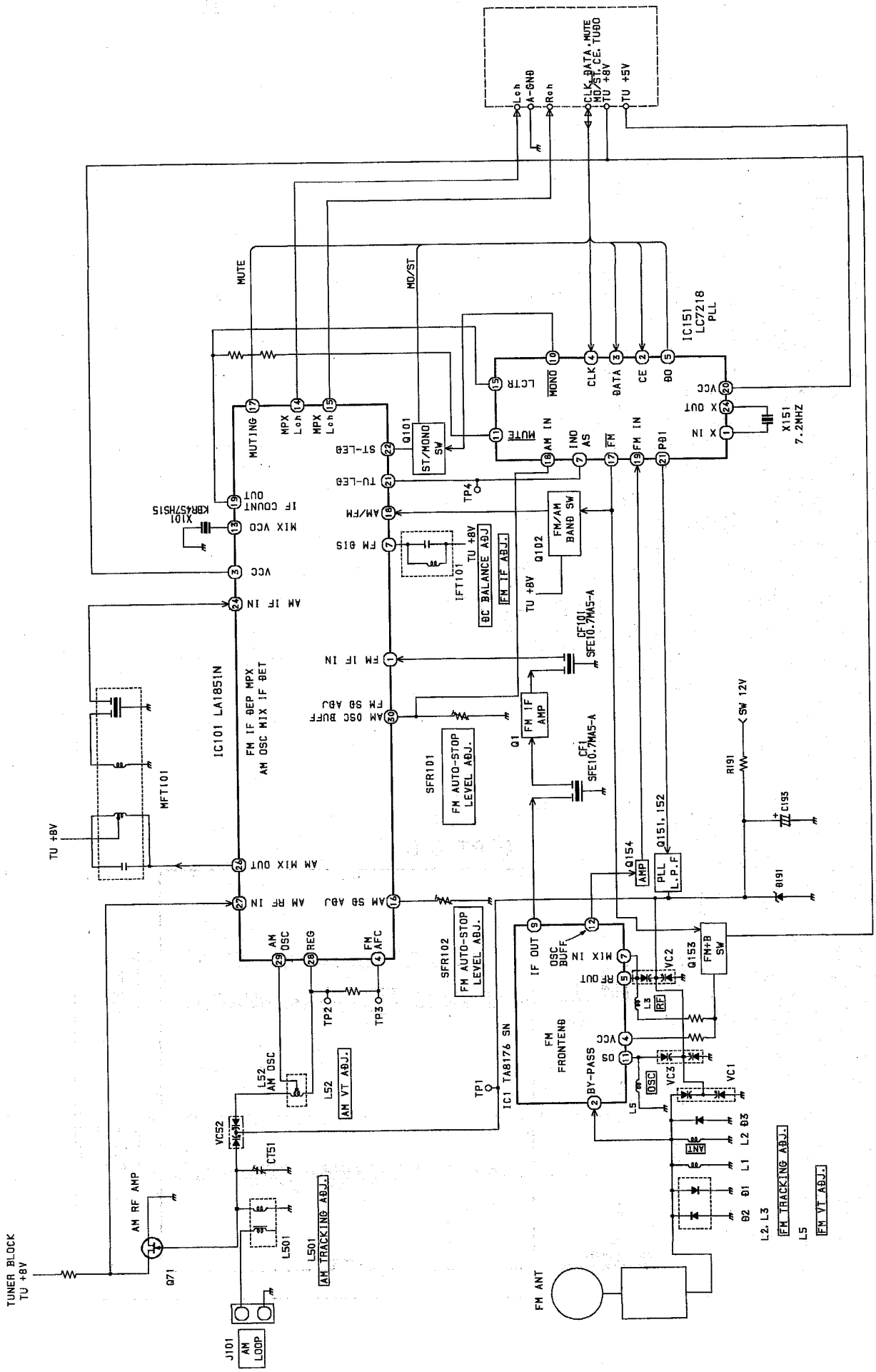
BLOCK DIAGRAM-3 (TUNER: HE, HR)



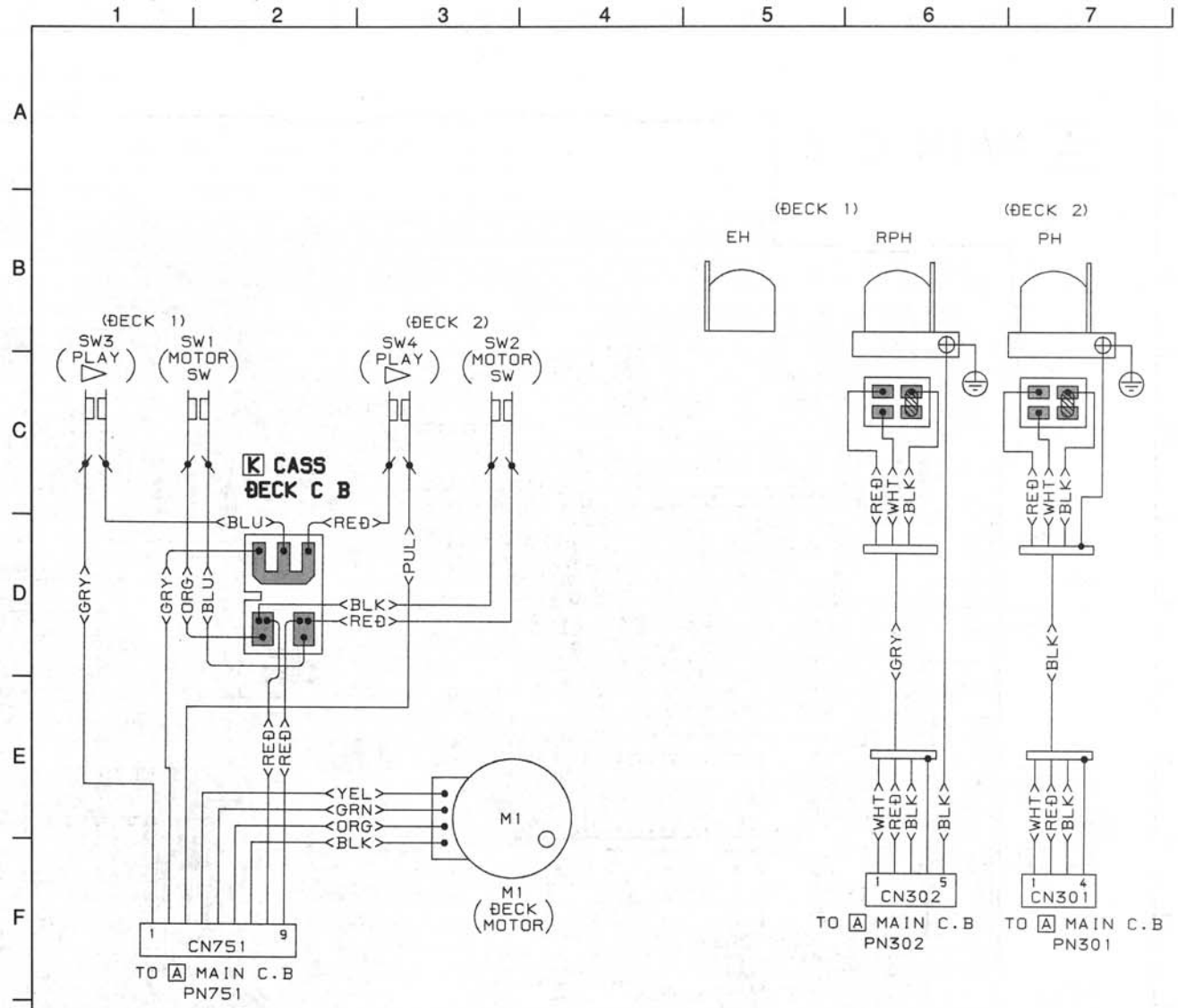
BLOCK DIAGRAM-4 (TUNER: EZ, EEZ, K)

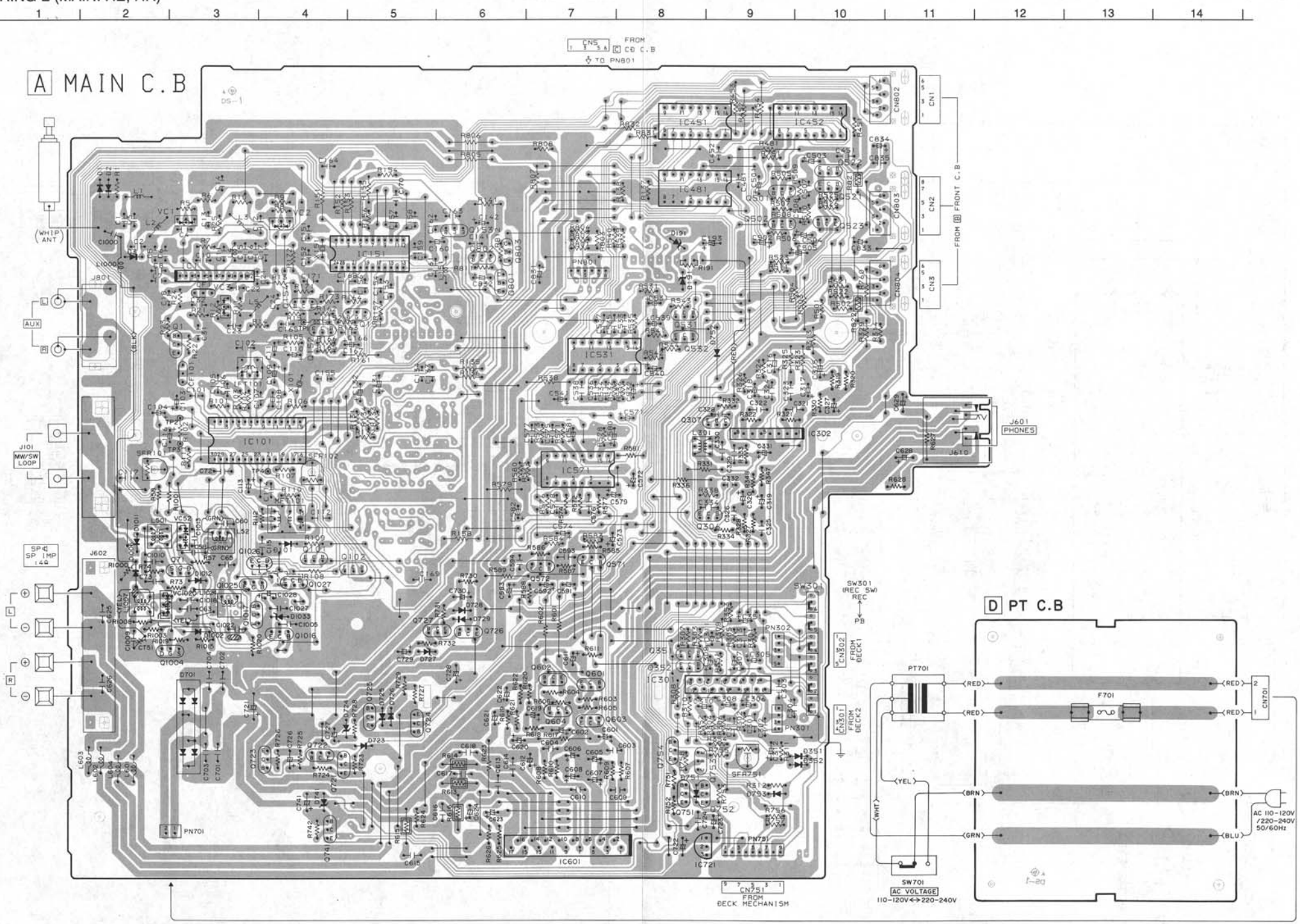


BLOCK DIAGRAM-5 (TUNER: LH)

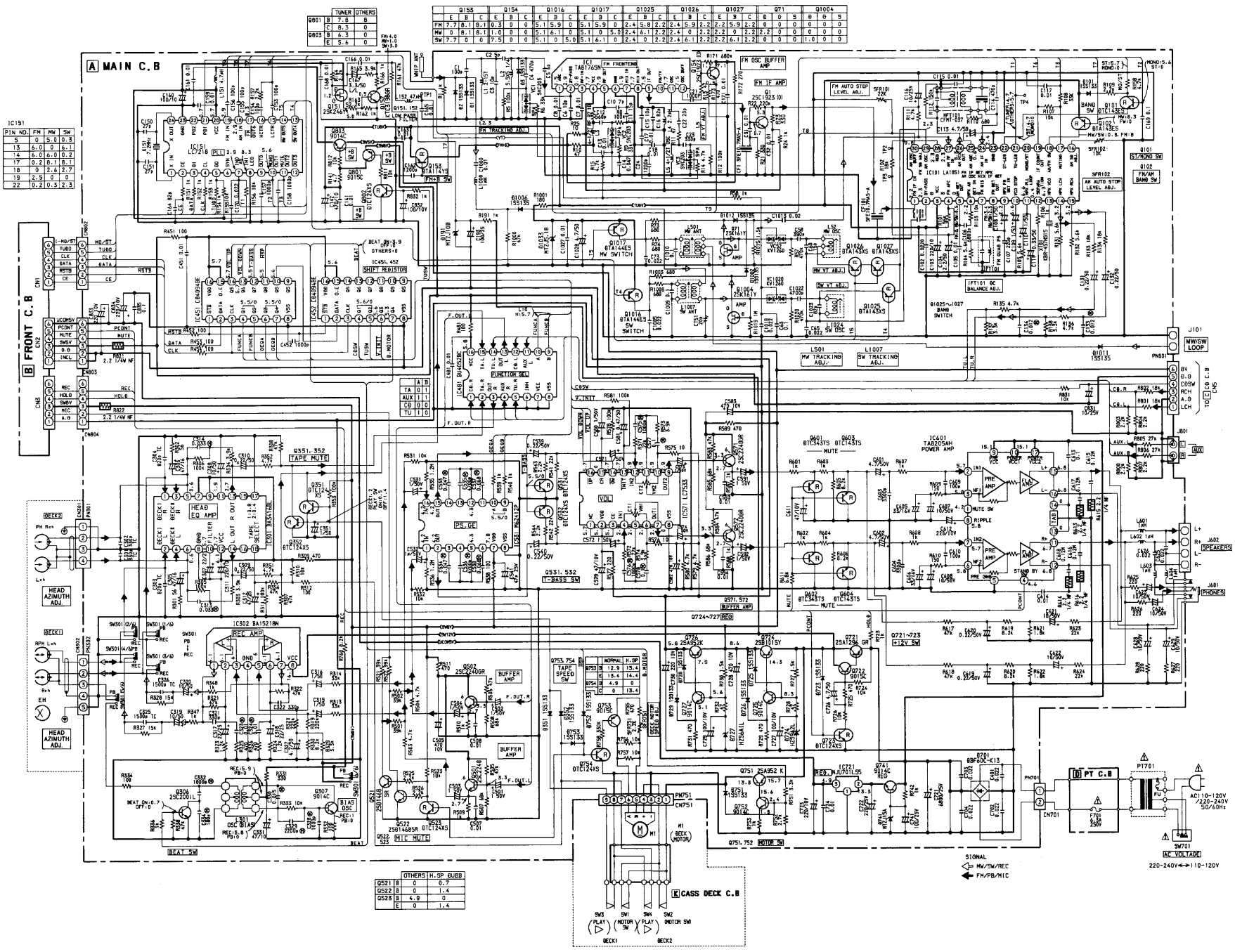


WIRING-1 (MECHA)




A MAIN C.B
D PT C.B
CN5 FROM C CD C.B
TO PN801
CN1
CN2 FROM F FRONT C.B
CN3
CN802
CN803
CN804
J601 PHONES
J610
J101 MW/SW LOOP
AUX
J602
SP SP IMP 4Ω
SW301 (REC SW)
REC
PB
CN302 FROM DECK1
CN301 FROM DECK2
CN751 FROM DECK MECHANISM
PT701
F701
CN701
SW701 AC VOLTAGE 110-120V↔220-240V
AC 110-120V /220-240V 50/60Hz
(WHIP ANT)
IC451
IC452
IC481
IC151
IC531
IC571
IC101
IC302
IC601
IC721
IC301
PN301
PN302
PN701
PN751
PN801
(RED)
(YEL)
(BRN)
(WHT)
(GRN)
(BLU)

SCHEMATIC DIAGRAM-1 (MAIN: HE, HR)



IC151			
PIN NO.	FM	MW	SW
5	0	5.0	0.3
13	6.0	0	6.1
14	6.0	6.0	0.2
17	0.2	0.1	0.1
18	0	2.6	2.7
19	2.5	0	0
22	0.2	0.3	2.3

	TUNER	OTHERS
Q801 B	7.6	8
C	8.3	0
Q803 B	4.3	0
E	5.6	0

FM:4.0 MW:1.5 SW:5.0

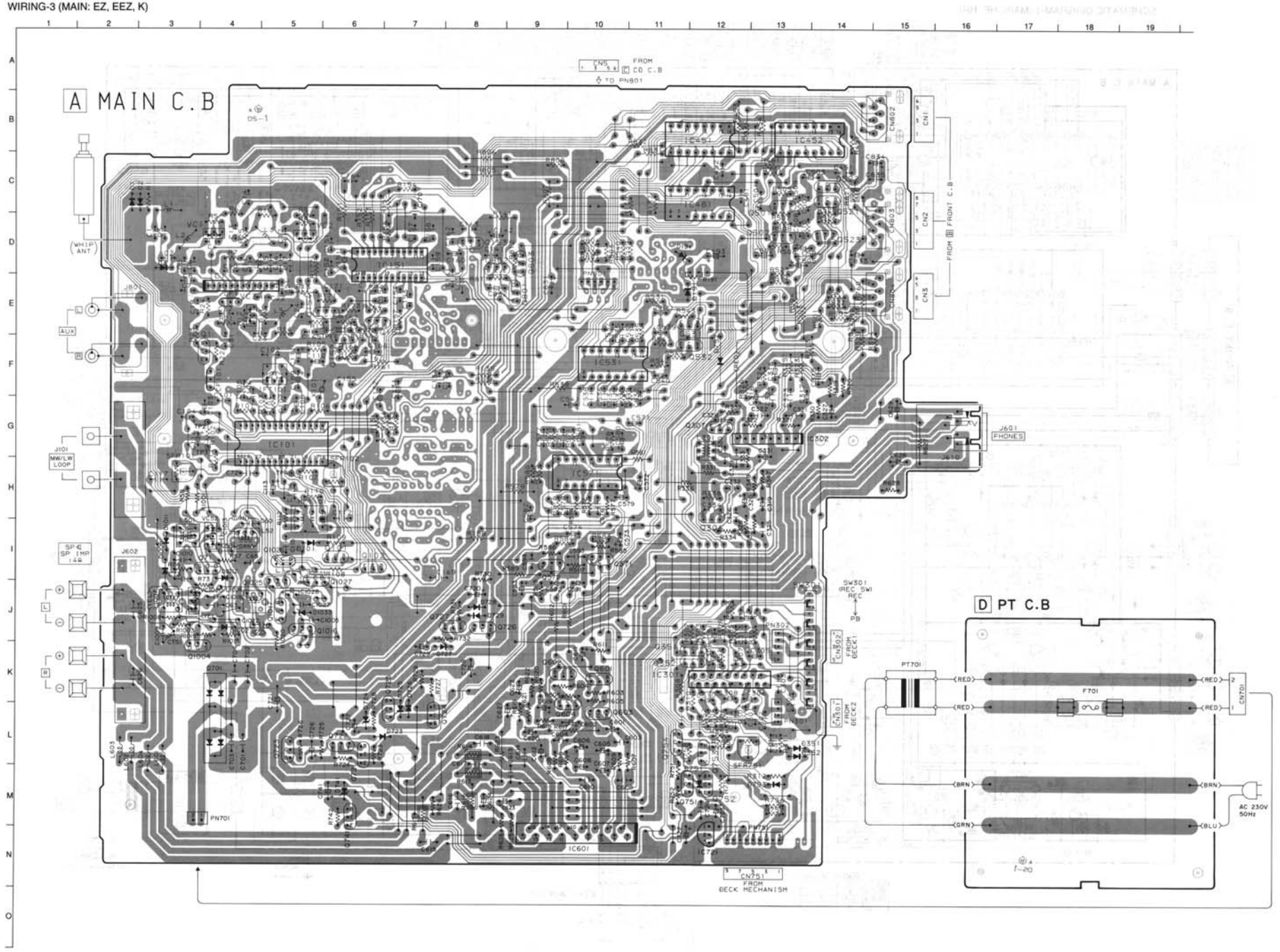
	Q153			Q154			Q1016			Q1017			Q1025			Q1026			Q1027			Q71			Q1004		
	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C
FM	7.7	8.1	8.1	0.3	0	0	5.1	5.9	0	5.1	5.9	0	2.4	5.8	2.2	2.4	5.9	2.2	2.2	5.9	2.2	0	0	5	0	0	5
MW	0	8.1	8.1	1.0	0	0	5.1	6.1	0	5.1	0	5.0	2.4	6.1	2.2	2.4	0	2.2	2.2	0	2.2	0	0	0	0	0	0
SW	7.7	0	0	7.5	0	0	5.1	0	5.0	5.1	6.1	0	2.4	0	2.2	2.4	6.1	2.2	2.2	6.1	2.2	0	0	0	1.0	0	0

	OTHERS	H.SP BUBB
Q521 B	0	0.7
Q522 B	0	1.4
Q525 B	4.9	0
E	0	1.4

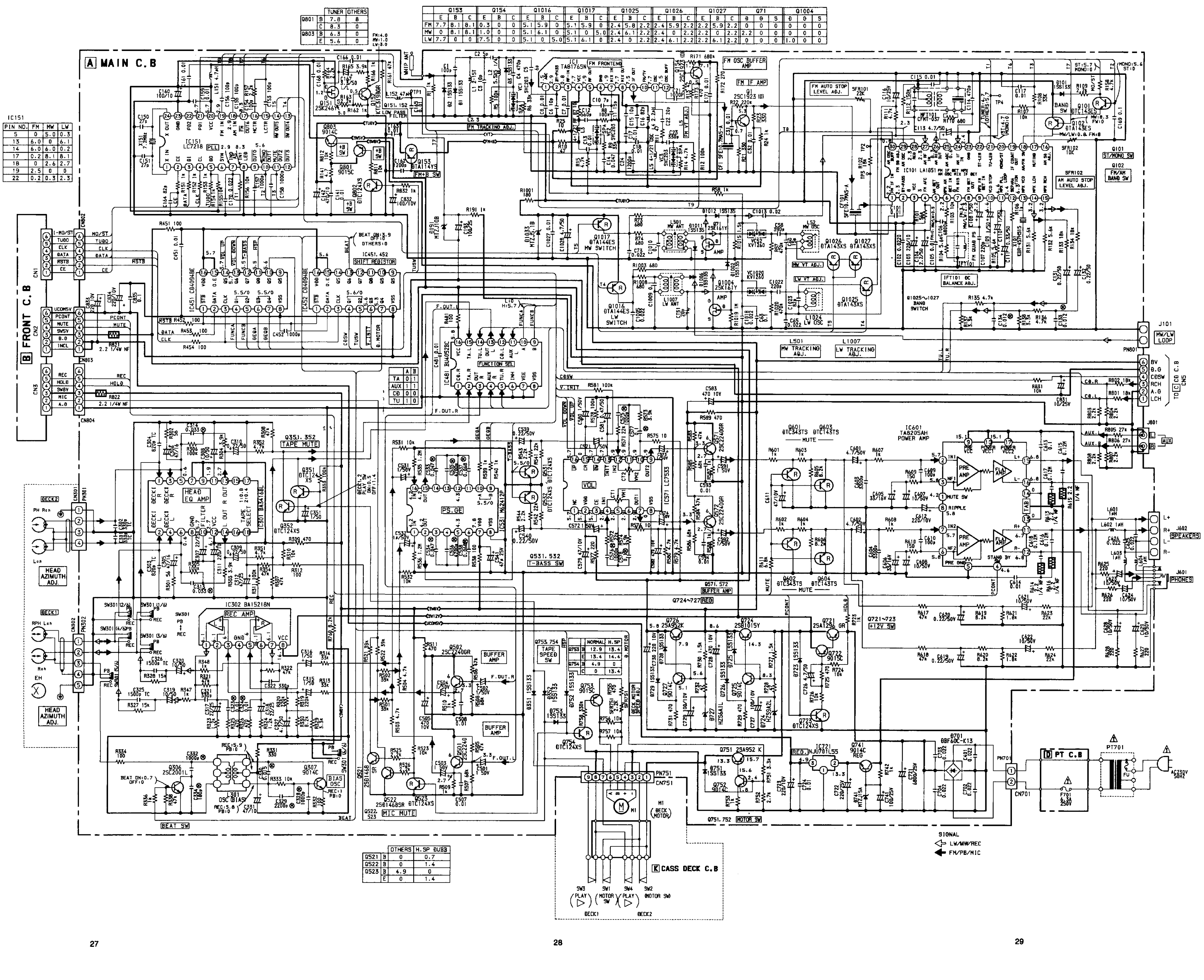
	NORMAL	H.SP
Q753	12.9	13.4
Q754	13.4	14.4
Q755	4.9	0
Q756	0	13.4

	T4	AUX	CD	TU
A	0	1	0	1
B	0	0	0	0

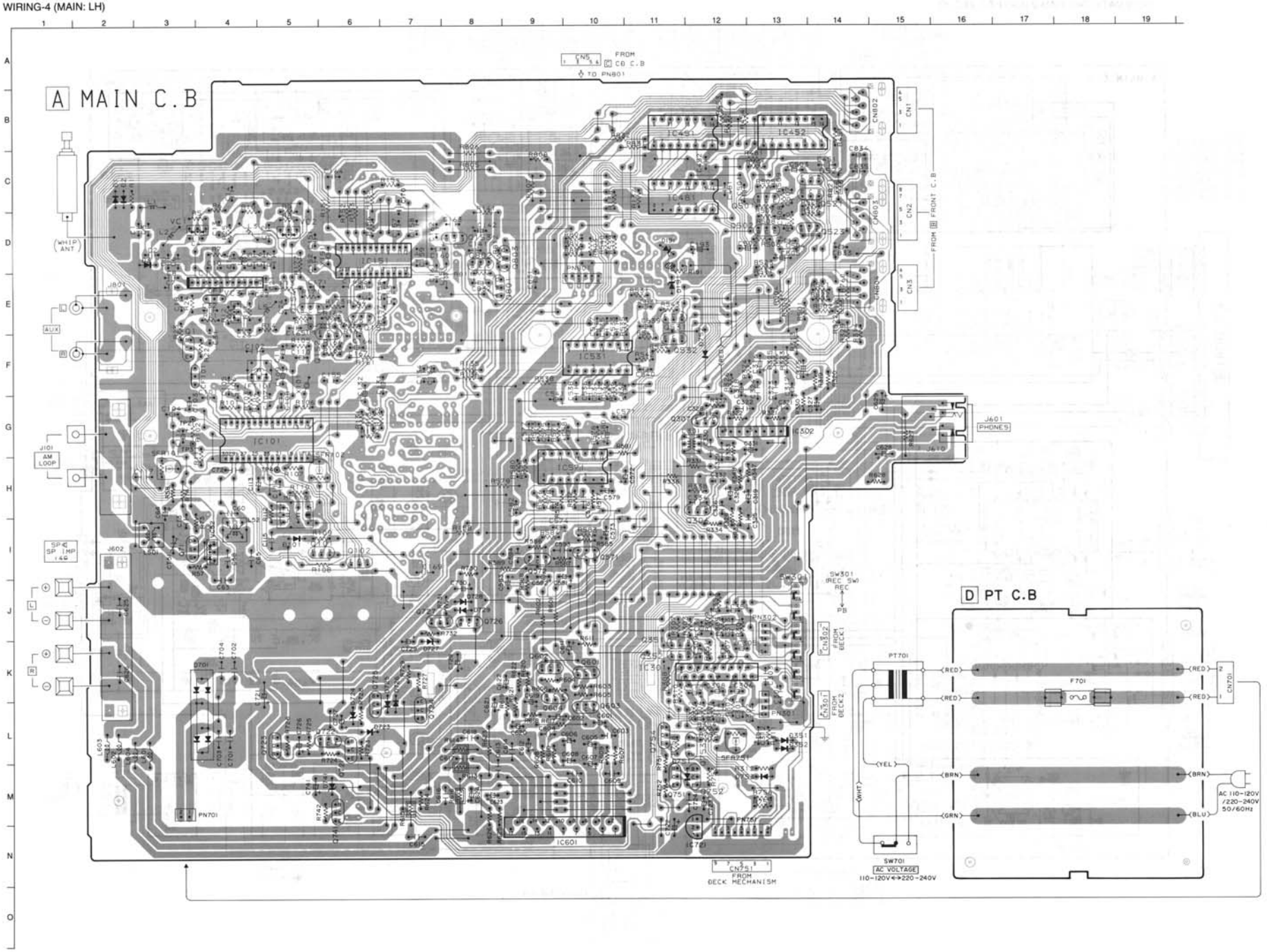
WIRING-3 (MAIN: EZ, EEZ, K)



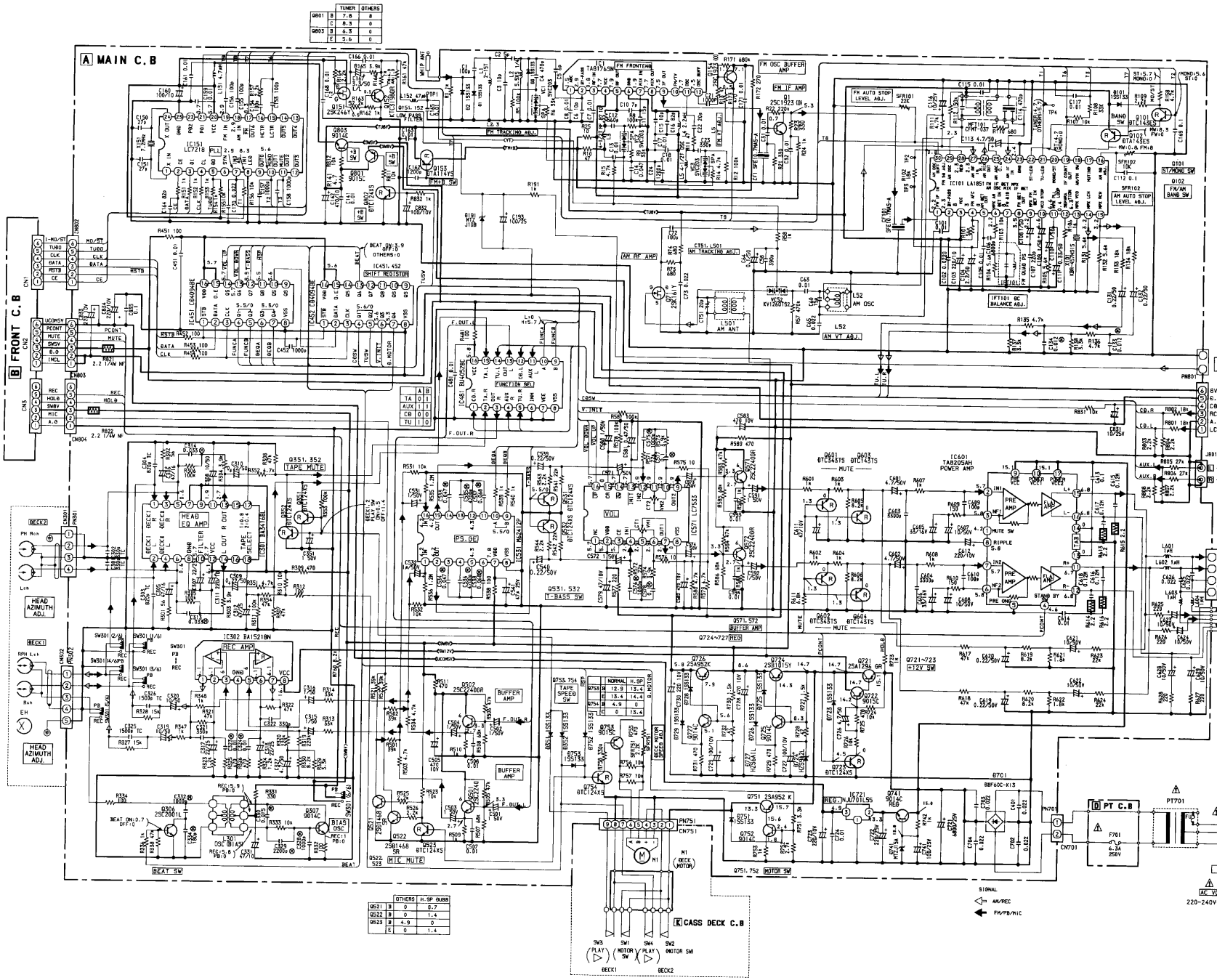
SCHEMATIC DIAGRAM-2 (MAIN: EZ, EEZ, K)

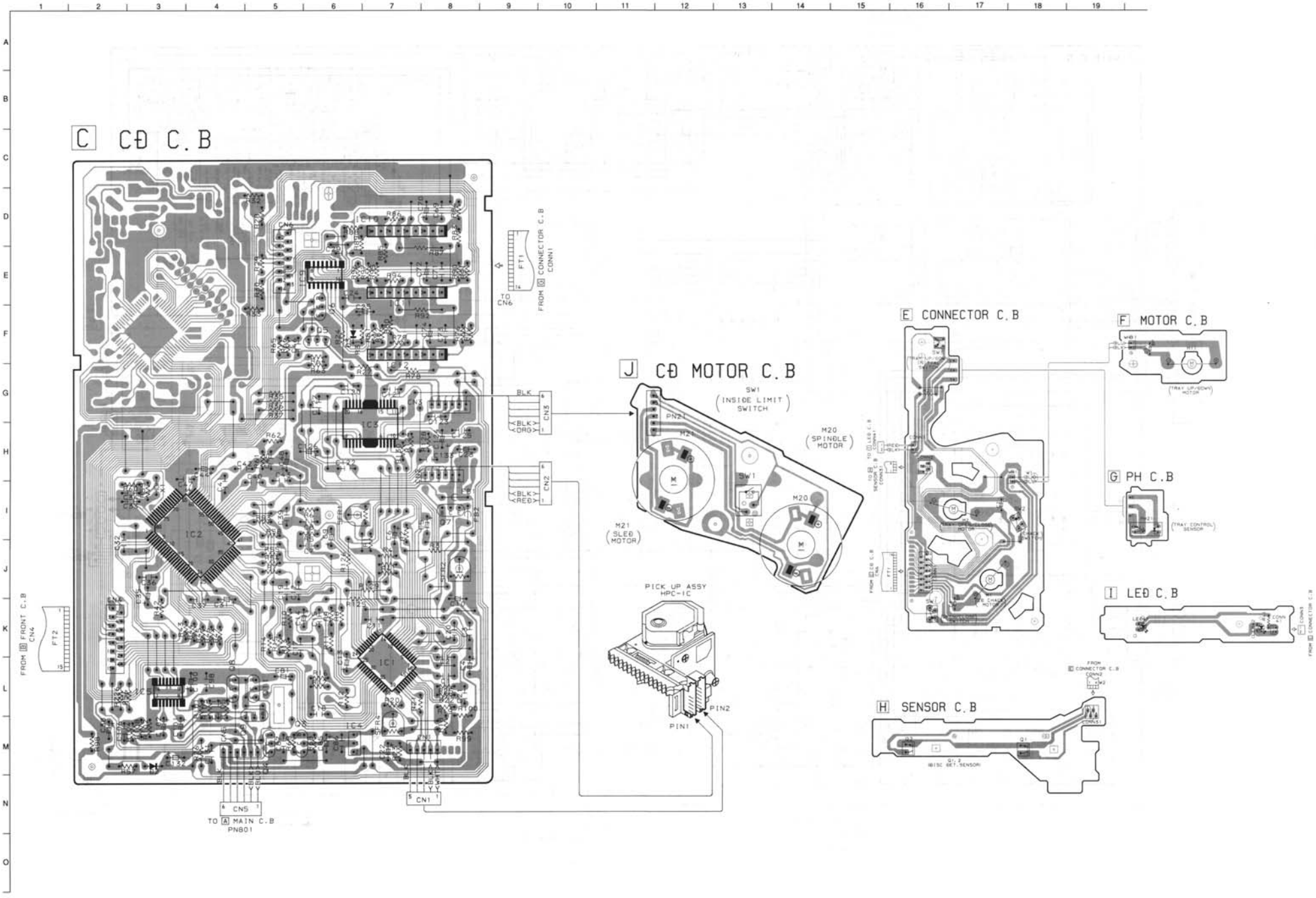


WIRING-4 (MAIN: LH)

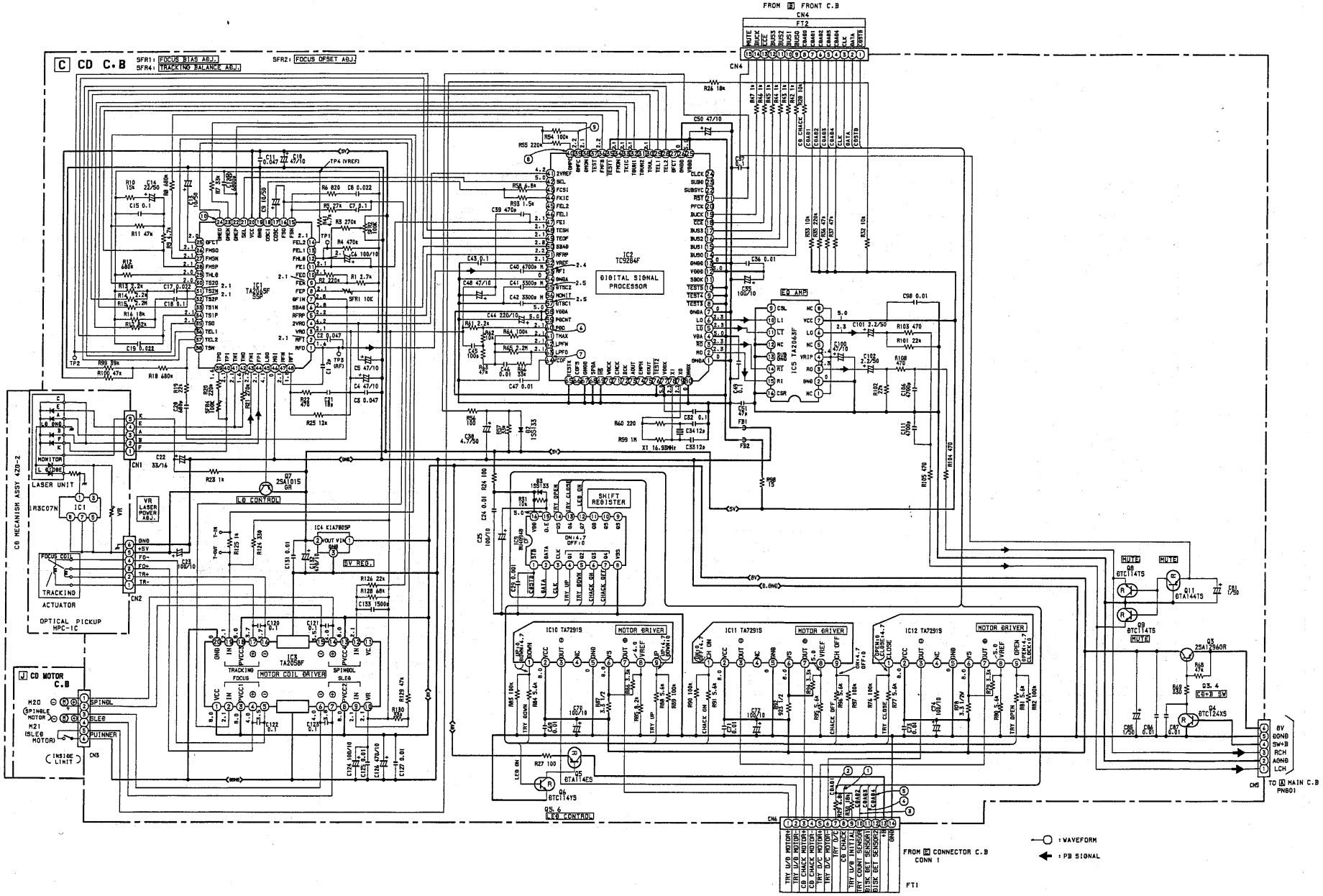


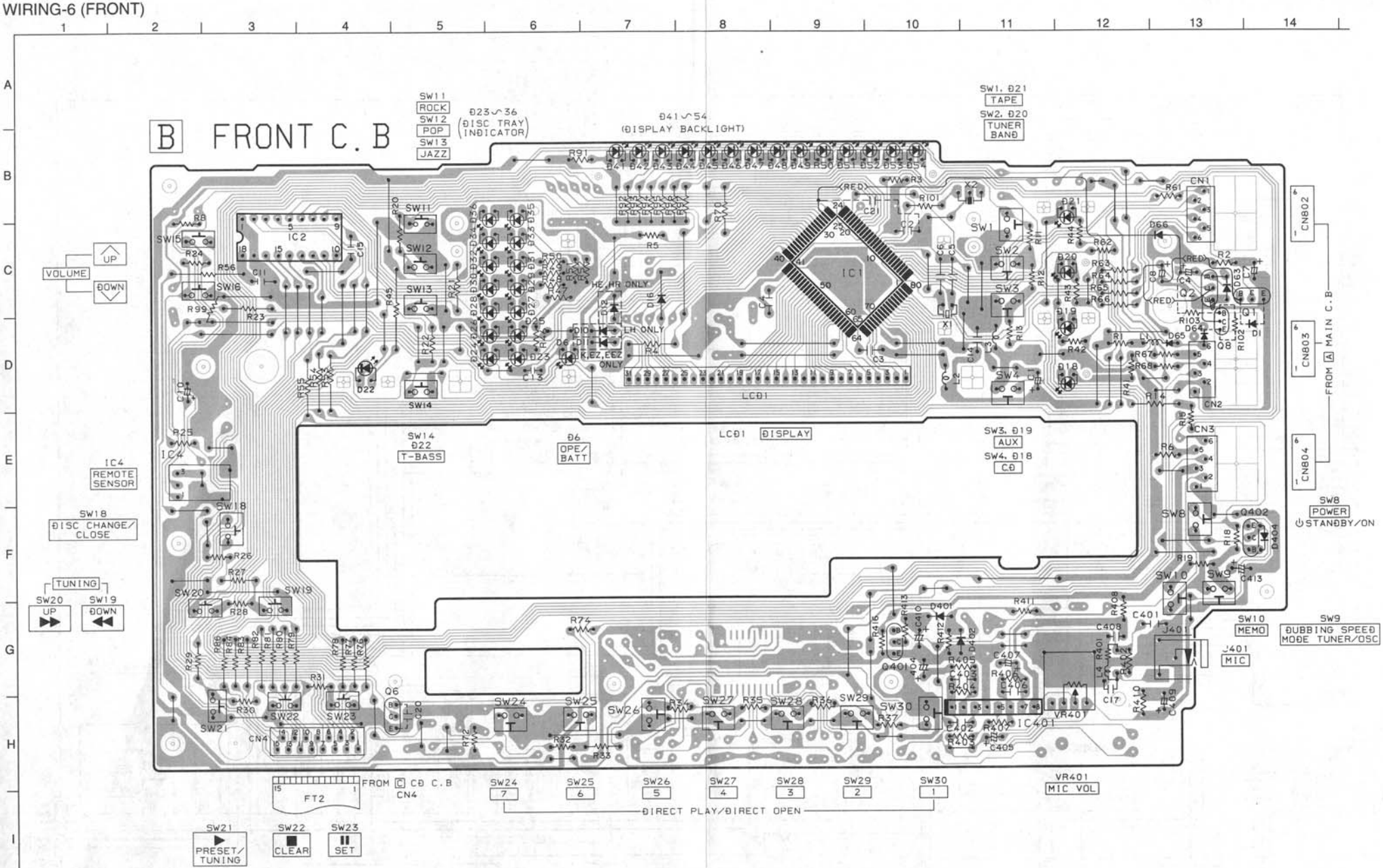
SCHEMATIC DIAGRAM-3 (MAIN: LH)



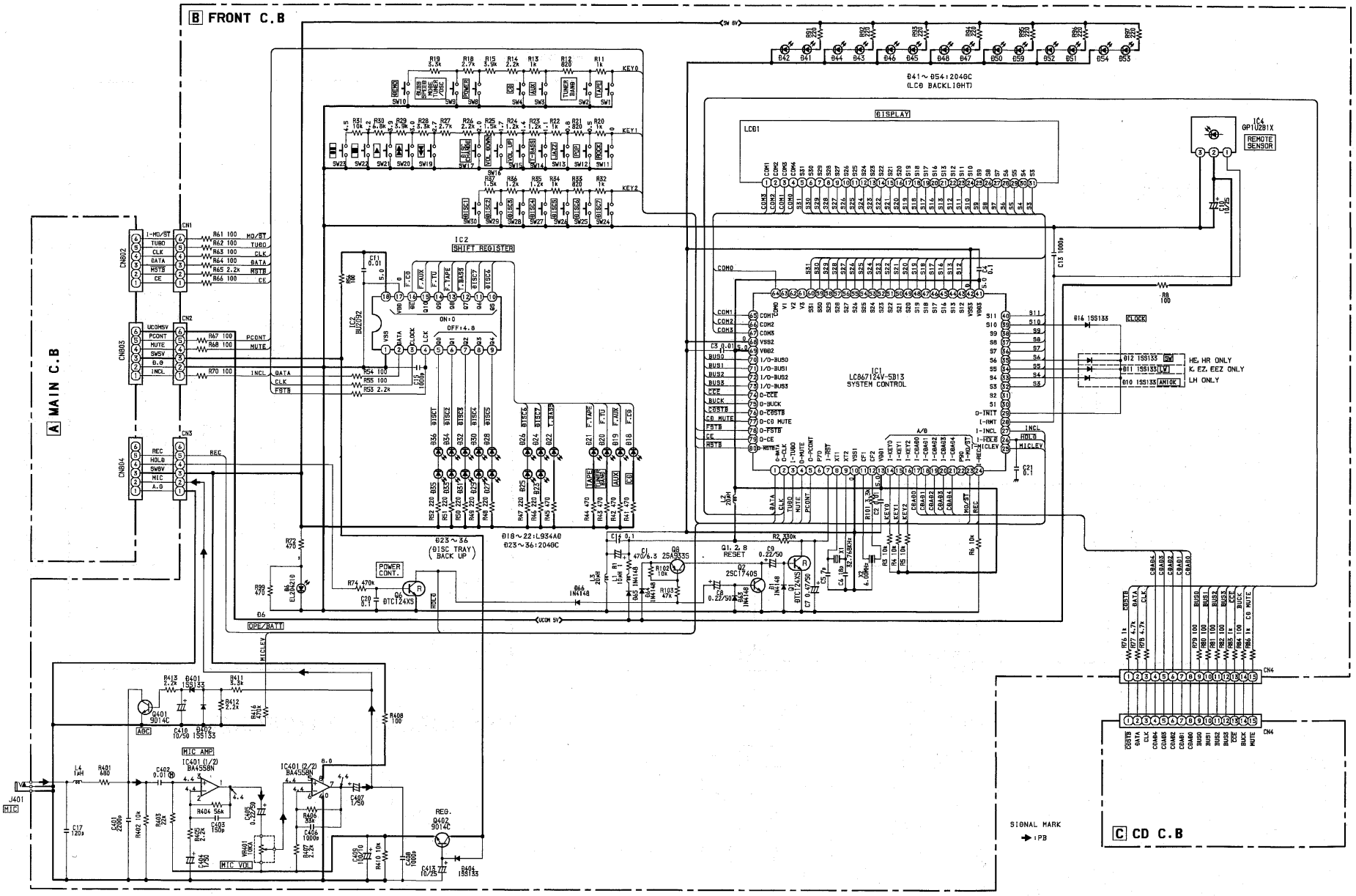

C CÐ C.B
J CÐ MOTOR C.B
E CONNECTOR C.B
F MOTOR C.B
G PH C.B
I LEÐ C.B
H SENSOR C.B
FROM B FRONT C.B CN4
FT2
TO CN6
FT1
FROM D CONNECTOR C.B CONN1
BLK
CN3
<BLK>
<ORG>
CN2
<BLK>
<RED>
IC1
IC2
IC3
IC4
SW1 (INSIDE LIMIT SWITCH)
M20 (SPINDLE MOTOR)
M21 (SLED MOTOR)
PICK UP ASSY HPC-1C
PIN1
PIN2
CN1
CN5
TO A MAIN C.B PN801
FROM D CONNECTOR C.B CONN2
CN51

SCHEMATIC DIAGRAM-4 (CD)

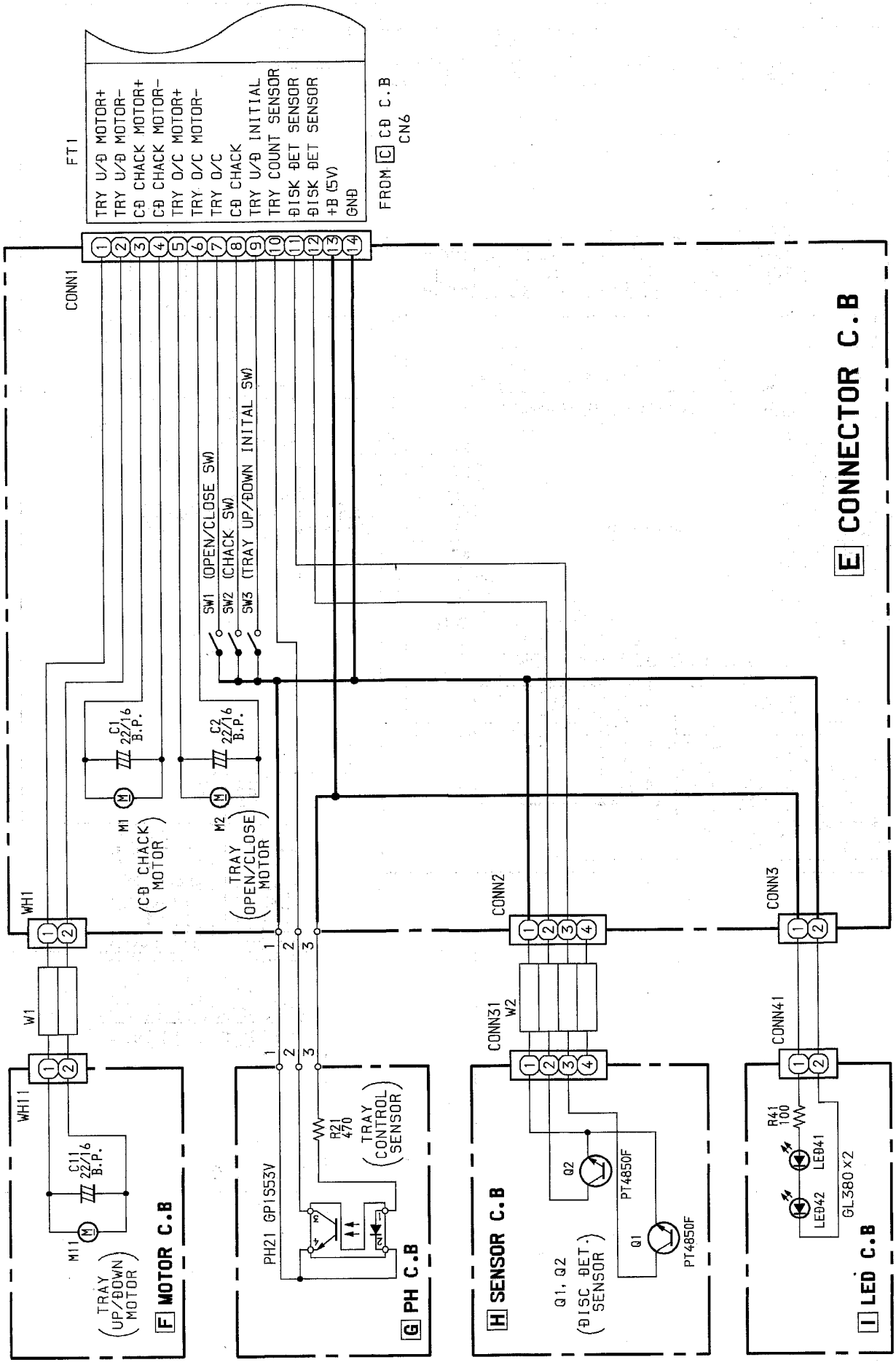



B FRONT C.B
SW11 ROCK
SW12 POP
SW13 JAZZ
D23~36 (DISC TRAY INDICATOR)
D41~54 (DISPLAY BACKLIGHT)
SW1. D21 TAPE
SW2. D20 TUNER BAND
VOLUME UP DOWN
IC4 REMOTE SENSOR
SW18 DISC CHANGE/ CLOSE
TUNING
SW20 UP
SW19 DOWN
SW14 D22 T-BASS
D6 OPE/ BATT
LCD1 DISPLAY
SW3. D19 AUX
SW4. D18 CD
SW8 POWER ⏻STANDBY/ON
SW10 MEMO
SW9 DUBBING SPEED MODE TUNER/OSC
J401 MIC
VR401 MIC VOL
FROM A MAIN C.B
CN802
CN803
CN804
FROM C CD C.B CN4
FT2
SW21 ▶ PRESET/ TUNING
SW22 ■ CLEAR
SW23 ⏸ SET
SW24 7
SW25 6
SW26 5
SW27 4
SW28 3
SW29 2
SW30 1
DIRECT PLAY/DIRECT OPEN

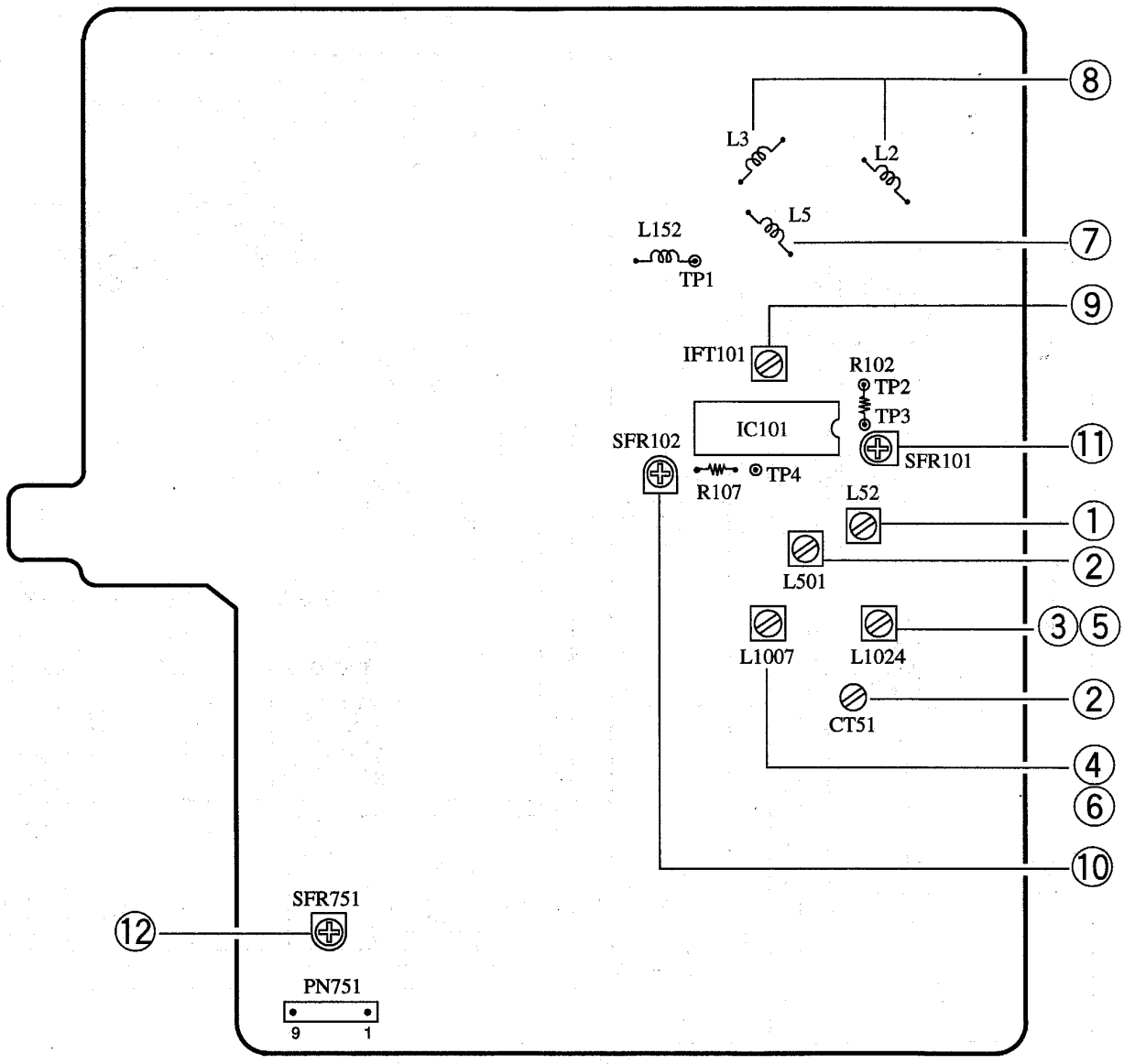
SCHEMATIC DIAGRAM-5 (FRONT)



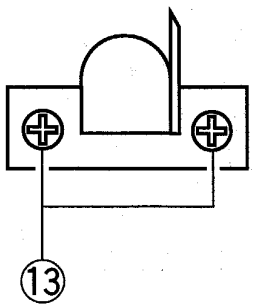
SCHEMATIC DIAGRAM-6 (CD MECHA)



A MAIN C.B



RPH (DECK1) / PH (DECK2)



< TUNER SECTION >

1. MW (AM) VT Adjustment
   Settings:
   - Test point: TP1
   - Adjustment location: L52

   Method: Set to MW (AM) 531kHz (LH: 530kHz) and adjust L52 so that test point is 1.3V.
   Then set to MW (AM) 1602kHz (LH: 1710kHz) and check so that test point is 8.3~9.3V.

2. MW (AM) Tracking Adjustment
   <K, EZ, EEZ, HE, HR>
   L501 ..... 603kHz
   CT51 ..... 1404kHz
   <LH>
   L501 ..... 600kHz
   CT51 ..... 1400kHz

3. LW VT Adjustment <K, EZ, EEZ>
   Settings:
   - Test point: TP1
   - Adjustment location: L1024

   Method: Set to LW 153kHz and adjust L1024 so that test point is 2.5V.
   Then set to LW 288kHz and check so that test point is 5.4V

4. LW Tracking Adjustment <K, EZ, EEZ>
   L1007 ..... 153kHz

5. SW VT Adjustment <HE, HR>
   Settings:
   - Test point: TP1
   - Adjustment location: L1024

   Method: Set to SW 3.8MHz and adjust L1024 so that test point is 1.2V.
   Then set to SW 12.5MHz and check so that test point is 7.6V.

6. SW Tracking Adjustment <HE, HR>
   L1007 ..... 4.5MHz

7. FM VT Adjustment
   Settings:
   - Test point: TP1
   - Adjustment location: L5

   Method: Set to FM 87.5MHz and adjust L5 so that test point is 4V.
   Then set to FM 108MHz and check so that test point is 7.5~8.5V.

8. FM Tracking Adjustment
   L2, 3 ..... 87.5MHz

9. DC Balance/MONO Distortion Adjustment
   Settings:
   - Test point: TP2, TP3
   - Adjustment location: IFT101
   - Input level: 60dB

   Method: Set to FM 98.0MHz and adjust IFT101 so that the voltage between TP2 and TP3 becomes 0V±20mV.

10. AM Auto Stop Adjustment
    Settings:
    - Adjustment location: SFR102

    Method: Make setup for MW (AM) 1404kHz (LH: 1400kHz). Adjust SFR102 so that the machine performs Auto Stop when 53±2dB is input.

11. FM Auto Stop Adjustment
    Settings:
    - Adjustment location: SFR101

    Method: Make setup for FM 87.5MHz. Adjust SFR101 so that the machine performs Auto Stop when 32±5dB is input.

< TAPE SECTION >

12. Tape speed Adjustment (DECK2)
    Settings:
    - Test tape: TTA-100 (TTA-111S)
    - Adjustment location: SFR751

    Method: Play back the test tape with DECK1 and adjust SFR751 so that the output frequency is 3000Hz. After the adjustment, check that the frequency of DECK2 is 3000±60Hz.

13. Azimuth Adjustment (DECK1, DECK2)
    Settings:
    - Test tape: TTA-320
    - Adjustment location: Head azimuth adjustment screw

    Method: Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.

PRACTICAL SERVICE FIGURE

< TUNER SECTION >

< FM SECTION >

IHF Sensitivity:	16dB±5dB (at 87.5MHz)
(THD 3%)	17dB±5dB (at 98.0MHz)
	17dB±5dB (at 108.0MHz)
Signal to noise ratio:	More than 45dB (at 98.0MHz)
Distortion:	Less than 2.0% (at 98.0MHz)
Auto stop level:	25dB±5dB (at 98.0MHz)
Stereo separation:	More than 25dB (at 98.0MHz)
Intermediate frequency:	10.7MHz

< MW (AM) SECTION >

Sensitivity:	54dB±5dB
(S/N 10dB)	[at 603/999kHz (HE, HR)]
	52dB±5dB
	[at 1404kHz (HE, HR)]
	52dB±5dB
	[at 603/999kHz (K, EZ, EEZ)]
	50dB±5dB
	[at 1404kHz (K, EZ, EEZ)]
	52dB±5dB
	[at 600kHz (LH)]
	49dB±5dB
	[at 1000kHz (LH)]
	47dB±5dB
	[at 1400kHz (LH)]
Signal to noise ratio:	More than 30dB
	[at 999kHz (HE, HR, K, EZ, EEZ)]
	More than 30dB
	[at 1000kHz (LH)]
Distortion:	Less than 5.0%
	[at 999kHz (HE, HR, K, EZ, EEZ)]
	Less than 5.0%
	[at 1000kHz (LH)]
Intermediate frequency:	450kHz

< LW SECTION > (K, EZ, EEZ only)

Sensitivity:	60dB±6dB [at 153kHz]
(S/N 10dB)	59dB±6dB [at 198kHz]
	59dB±6dB [at 288kHz]
Signal to noise ratio:	More than 22dB [at 198kHz]
Intermediate frequency:	450kHz

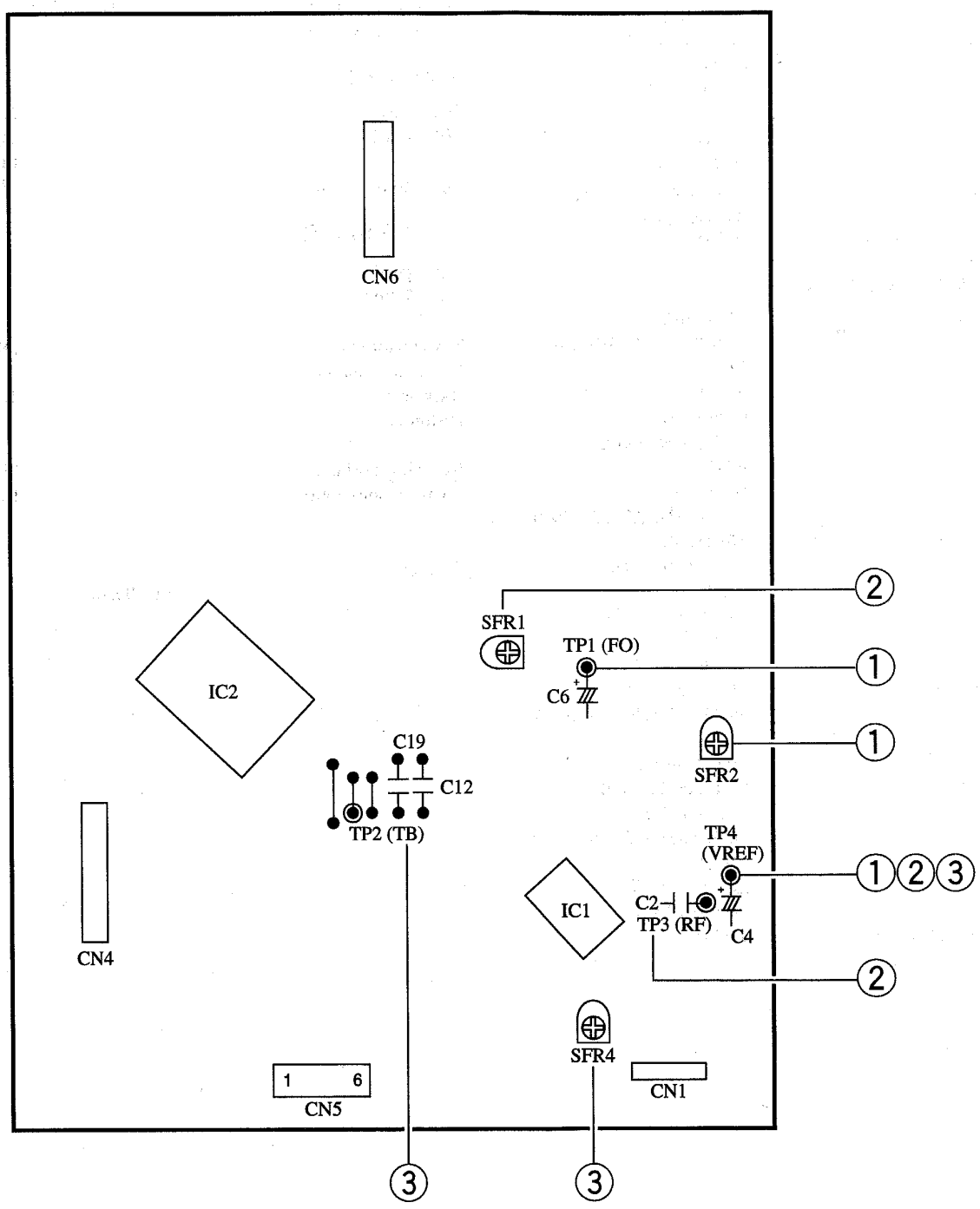
< SW SECTION > (HE, HR only)

Sensitivity:	43dB±6dB [at 3.8MHz]
(S/N 10dB)	38dB±6dB [at 8MHz]
	35dB±6dB [at 12.5MHz]
Signal to noise ratio:	More than 32dB [at 8MHz]

< TAPE SECTION >

Tape speed:	3000Hz±90Hz
Wow & flutter:	Less than 0.4% (JIS, R.M.S)
Take-up torque:	30~60g-cm (FWD, REV)
F.F & REW torque:	55~120g-cm
Back tension:	1~4g-cm (FWD, REV)
Distortion:	Less than 5.0% (REC/PB, AC)
Noise level (Max.):	Less than 120mV (PB, AC)
Signal to noise ratio:	More than 40dB (PB, AC)
	More than 37dB (REC/PB, AC)
Erasing ratio:	More than 40dB (at 400Hz)

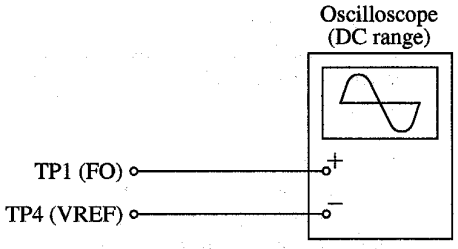
C CD C.B


CN6
IC2
SFR1
TP1 (FO)
C6
2
1
SFR2
1
C19
C12
TP2 (TB)
TP4
(VREF)
1 2 3
IC1
C2
TP3 (RF)
C4
CN4
2
SFR4
CN1
1 6
CN5
3
3

< CD SECTION >

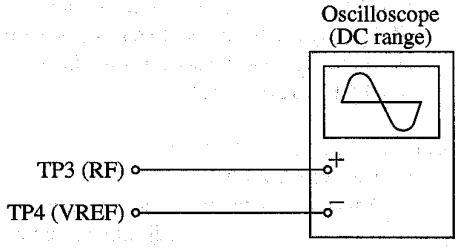
Note: · Connect a probe (10: 1) of the oscilloscope to a test point.

1. Focus offset Adjustment

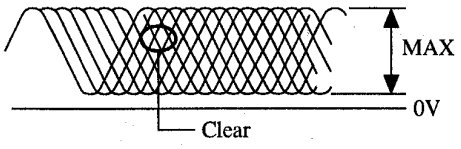


1) Short the pin ④ and pin ⑥ of CN5 with wire.
2) Connect an oscilloscope between test points TP1 (FO) and TP4 (VREF).
3) Turn on the power switch.
4) Adjust SFR2 so that the offset level is 0±5mV.
5) After the adjustment is completed, remove the short wire from CN5.

2. Focus Balance Adjustment
Make the focus bias adjustment when replacing and repairing the optical block.

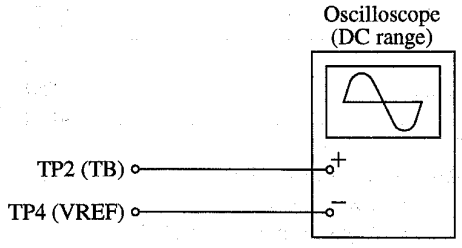


1) Connect an oscilloscope to test points TP3 (RF) and TP4 (VREF).
2) Turn on the power switch.
3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
4) Adjust SFR1 so that the level of RF wave to be maximum and clear.

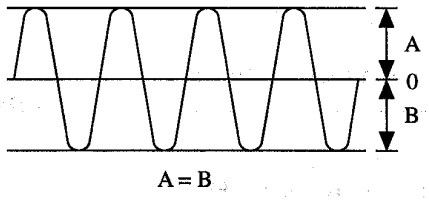


VOLT/DIV: 50mV
TIME/DIV: 0.5μS

3. Tracking Balance Adjustment



1) Connect an oscilloscope to test points TP2 (TB) and TP4 (VREF).
2) Turn on the power switch.
3) Insert test disc TCD-782 (YEDS-18) and press the PLAY (▶) button.
4) Push and hold the ⏭ button. (MS mode)
5) Adjust SFR4 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
6) After the adjustment is completed, remove the connected lead wires from the terminals.



A = B

VOLT/DIV: 20mV
TIME/DIV: 1mS

TEST MODE

1. How to Activate CD Test Mode
1) Insert the AC plug while pressing the function CD button. (All LCD display tubes will light up, and initialization will be started.)
2) Turn the Power SW on.

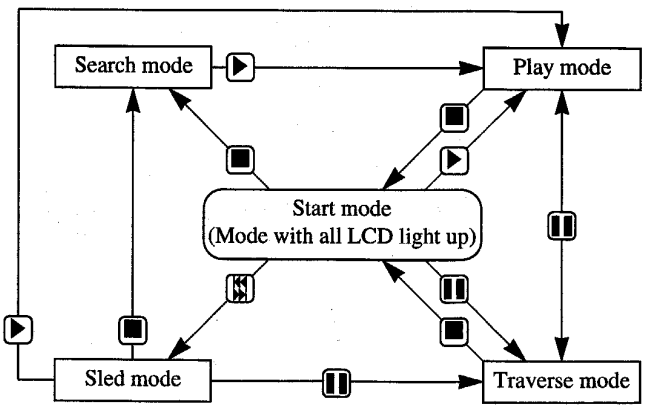
2. How to Cancel CD Test Mode
Either one of the following operations will cancel the CD test mode.
- Press the function button except CD button.
- Press the power switch button.
- Disconnect the AC plug.

3. CD Test Mode Functions
When test mode is activated, the following mode functions from No.1 to No.5 can be used by pressing the operation keys.

Mode/No.	Operation	LCD display	Operation	Contents
Start mode No.1	Test mode activation	All LCD light up	• CD block power supply ON • Standby status for next operation.	Displays the machine mode that it is a test mode. All LCD displays light up
Search mode No.2	■ key	---- ①②③④⑤⑥⑦ --- ①②③④⑤⑥⑦	• Laser diode illuminated under normal circumstances • Continual focus search * NOTE 1 (The pickup lens repeats the full-swing up-down motion.) * Avoid continual searches that last for more than 10 minutes.	FOCUS SERVO • Check focus search waveform * The FOK/FZC are not monitored in the search mode.
Play mode No.3	▶ key	---- / ①②③④⑤⑥⑦	• Normal playback • Focus search is continued if TOC cannot be read * NOTE 1	FOCUS SERVO/TRACKING SERVO CLV SERVO/SLED SERVO Check FOK/FZC
Traverse mode No.4	❚❚ key	---- / ①②③④⑤⑥⑦	• During normal disc playback Press once; tracking servo OFF Press twice; tracking servo ON * NOTE 2	TRACKING SERVO ON/OFF Tracking balance (traverse) adjustment
Sled mode No.5	⏮ key ⏭	All LCD light up	• Pickup moves to the outermost track • Pickup moves to the innermost track * NOTE 3 (During playback, machine operates normally.)	SLED SERVO Check SLED mechanism operation

* NOTE 1: There are cases when the tracking servo cannot be locked owing to the protection circuit being operated when heat builds up in the driver IC if the focus search is operated continually for more than 10 minutes. In these cases the power supply should be switched off for 10 minutes until heat has been reduced and then re-started.
* NOTE 2: Do not press the ⏮ or ⏭ keys when the machine is in the ❚❚ status is active. If they are pressed, playback will not be possible after the ❚❚ status has been canceled. If the ⏮ or ⏭ keys are pressed in the ❚❚ status, press the ■ key and return to the start mode (No.1).
* NOTE 3: When pressing the ⏮ or ⏭ keys, take care to avoid damage to the gears. Because the sled motor is activated when the ⏮ or ⏭ keys are pressed, even when the pick-up is at the outermost or innermost track.
* NOTE 4: Press the eject key if the CD changer mechanism is jammed while initializing.
* NOTE 5: Disc cannot be changed during the test mode. (Use the first disc tray)

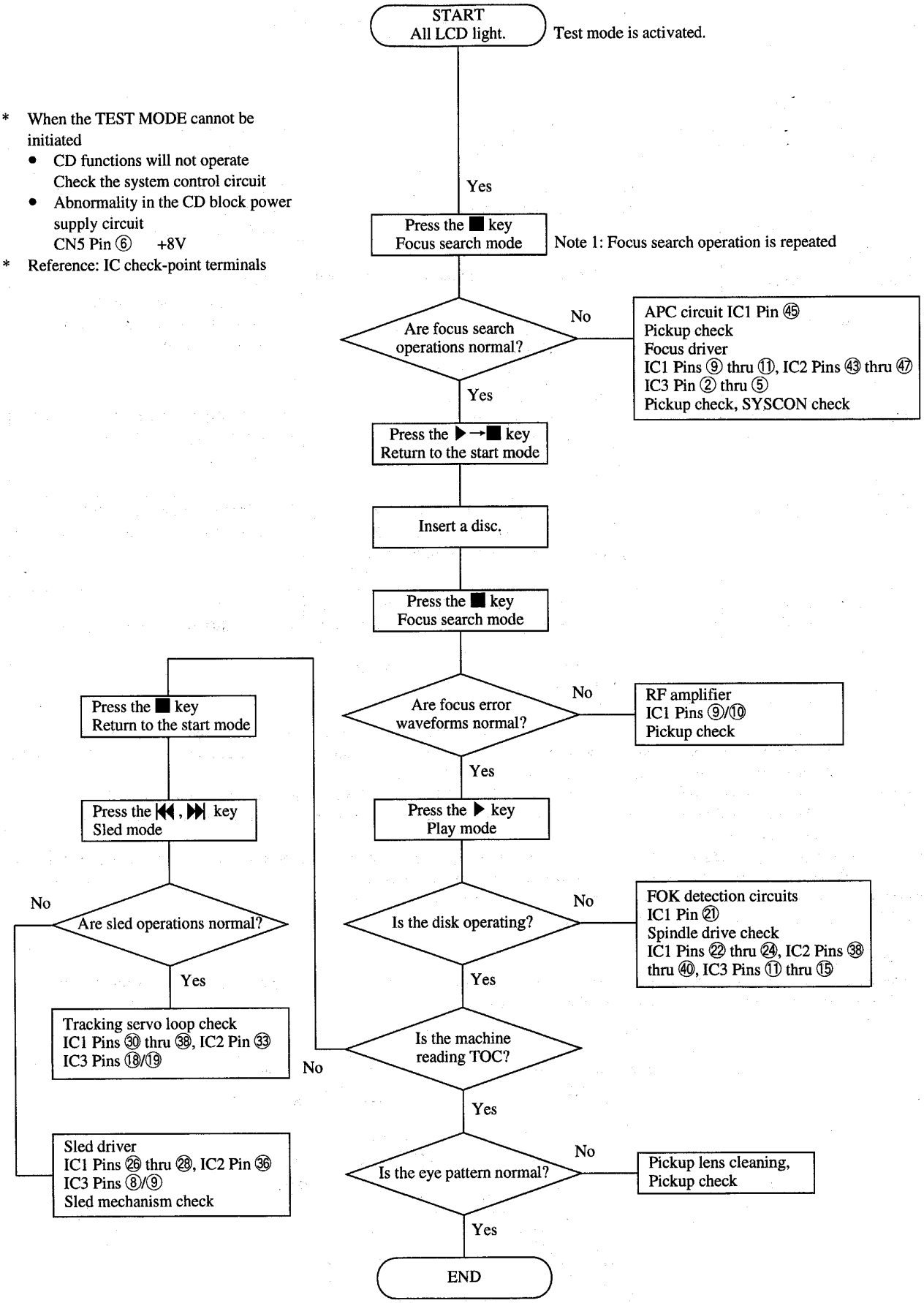
4. Operation Outline
The operation of each mode is carried out in the direction of the arrows from the start mode as indicated in the following illustration.
* Play mode is operated when pressing the disc direct play key.



CD Trouble-shooting

Flow Chart

* When the TEST MODE cannot be initiated
  - CD functions will not operate
    Check the system control circuit
  - Abnormality in the CD block power supply circuit
    CN5 Pin ⑥ +8V
* Reference: IC check-point terminals

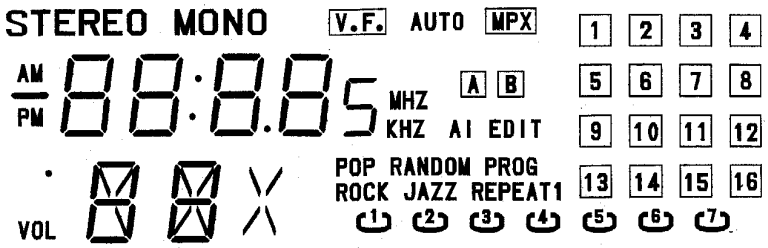


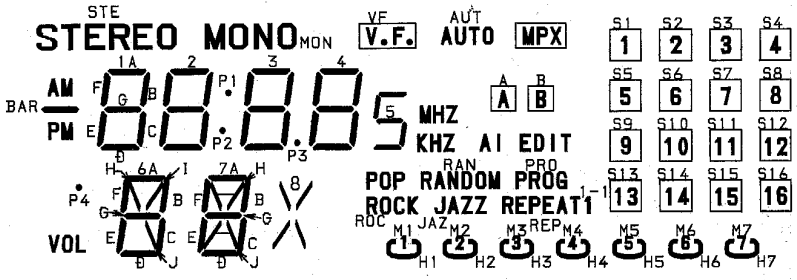
IC DESCRIPTION

IC, LC867124V-5891

Pin No.	Pin Name	I/O	Description
1	O-DATA	O	PLL, shift register data output.
2	O-CLK	O	PLL, shift register clock output.
3	I-TUDO	I	PLL IC tuner data input.
4	O-MUTE	O	Main mute output.
5	O-PCONT	O	Machine power supply control output.
6	P70	—	Not connected.
7	$\overline{\text{I-RST}}$	I	Microprocessor reset. ("L" when reset)
8	XT1	I	Connected to 32.768 kHz crystal.
9	XT2	O	Connected to 32.768 kHz crystal.
10	VSS1	—	GND.
11	CF1	I	Connected to 6 MHz ceramic lock.
12	CF2	O	Connected to 6 MHz ceramic lock.
13	VDD1	—	Microprocessor power supply (5 V).
14~16	I-KEY0~I-KEY2	I	Key A/D input.
17~21	I-CDAD0~I-CDAD4	I	Detect CD changer state. (AD input)
22	P90	—	Not connected.
23	I-MO/$\overline{\text{ST}}$	I	Tuner · stereo detection.
24	I-$\overline{\text{REC}}$	I	Recording state detection.
25	I-MICLEV	I	Microphone level detection.
26	I-HOLD	I	Power failure detected input. (Low when Hold)
27	I-INCL	I	Detect the slope of set. "H" when slope.
28	I-RMT	I	Remote control input.
29	PAO	I	Initial setting input.
30	NC	—	Not connected.
31~40	S1~S11	O	LCD segment output and initial setting output at the same time.
41	VDD3	—	Microprocessor power supply.
42	VSS3	—	GND.
43~60	S12, S13, S16~31	O	LCD segment output.
61~63	V1~V3	—	Not connected.
64~67	COM0~COM3	O	LCD common output.
68	VSS2	—	GND.
69	VDD2	—	Power supply.
70~73	I/O BUS0~I/O BUS3	I/O	CD IC control data bus input/output.
74	$\overline{\text{O-CCE}}$	O	CD IC control chip enable output.
75	O-BUCK	O	CD IC control data bus clock output.
76	O-$\overline{\text{CDSTB}}$	O	Shift register data latch strobe output. (CD C.B)
77	O-CDMUTE	O	CD mute output.
78	$\overline{\text{O-FSTB}}$	O	Shift register data latch strobe output. (FRONT C.B)
79	O-CE	O	PLL chip enable output.
80	O-MSTB	O	Shift register (MAIN C.B.) data latch strobe output.

LCD GRID ASSIGNMENT / ANODE CONNECTION



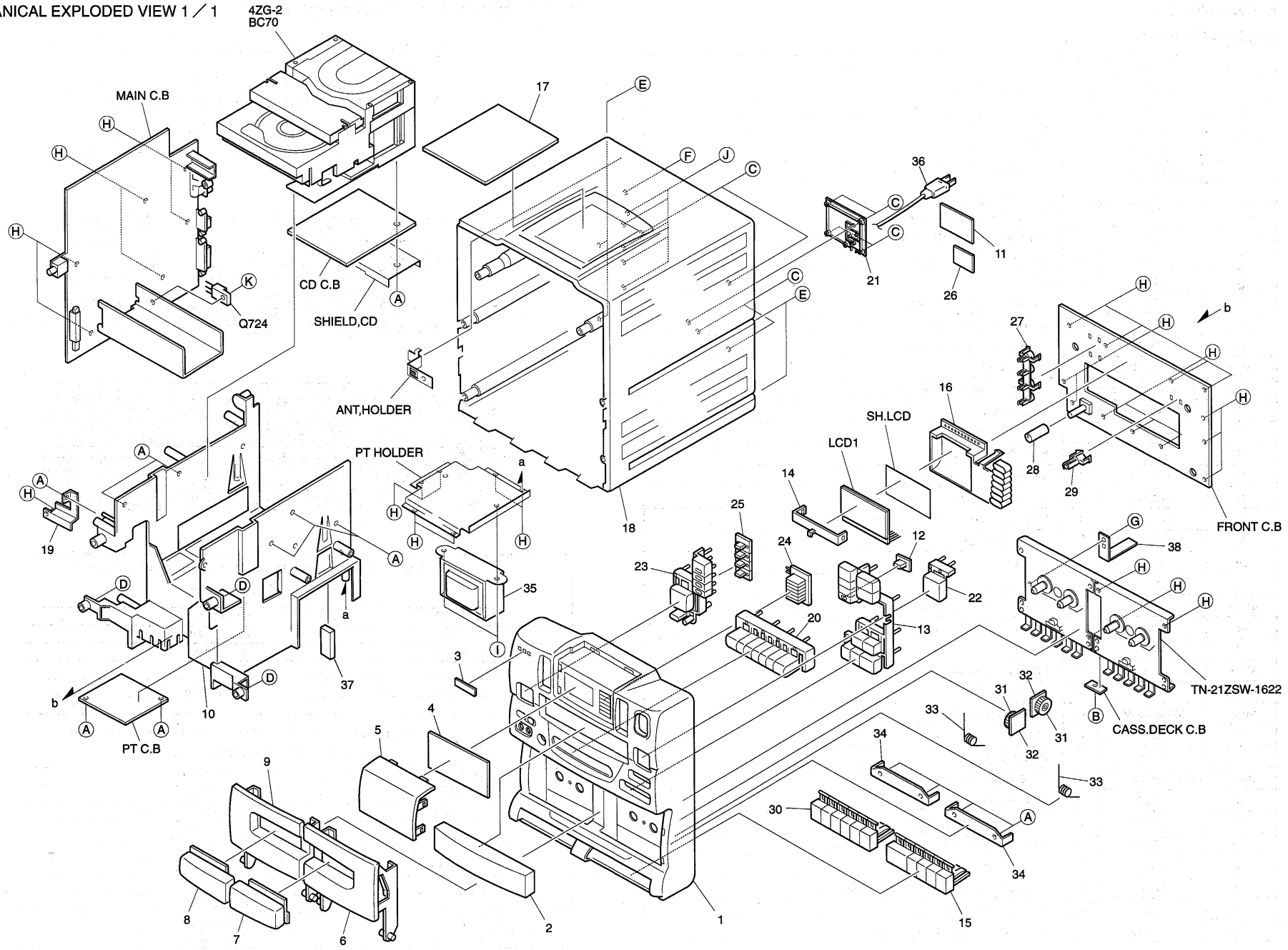


PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
COM1	COM1	—	—	—	STE	1A	P1	2A	2B	3A	3B	4A	P4	6I	6A	—
COM2	—	COM2	—	—	AM	1F	1B	2F	2G	3F	3G	4F	6F	6H	6B	7F
COM3	—	—	COM3	—	BAR	1E	1G	2E	2C	3E	3C	4E	6E	6G	6C	7E
COM4	—	—	—	COM4	PM	1Đ	1C	2Đ	P2	3Đ	P3	4Đ	VOL	6Đ	6J	—
PIN NO.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
COM1	7H	7A	KHZ	RAN	PRO	MHZ	AUT	A	MPX	S4	S3	S2	S1	VF	MON	
COM2	7G	7B	ROC	JAZ	REP	1-1	AI	EDIT	B	S8	S7	S6	S5	POP	4B	
COM3	7J	7C	M1	M2	M3	M4	M5	M6	M7	S12	S11	S10	S9	5	4G	
COM4	7Đ	8	H1	H2	H3	H4	H5	H6	H7	S16	S15	S14	S13	—	4C	

See the NSX-E7M and CA-DW710M(S/M Code No.09-95A-116-7FE) for the IC DESCRIPTION below.	
CA-DW700M	CX-NV200
IC,TC9284F	IC,TC9284F
IC,TA2065F	IC,TA2065F
IC,BU2029	IC,BU2029
IC,TA2063F	IC,TA2063F

See the NSX-E7M and CA-DW710M(S/M Code No.09-95A-116-7FE) for the IC BLOCK DIAGRAM below.	
CA-DW700M	CX-NV200
IC,TA7291S	IC,TA7291S
IC,BU4094BCF	IC,BU4094BCF
IC,TA2058F	IC,TA2058F
IC,LA1851N	IC,LA1851N
IC,TA8176SN	IC,TA8176SN
IC,BA3416BL	IC,BA3416BL
IC,LC7218	IC,LC7218
IC,LC7533	IC,LC7533
IC,BU4052BC	IC,BU4052BC

MECHANICAL EXPLODED VIEW 1 / 1

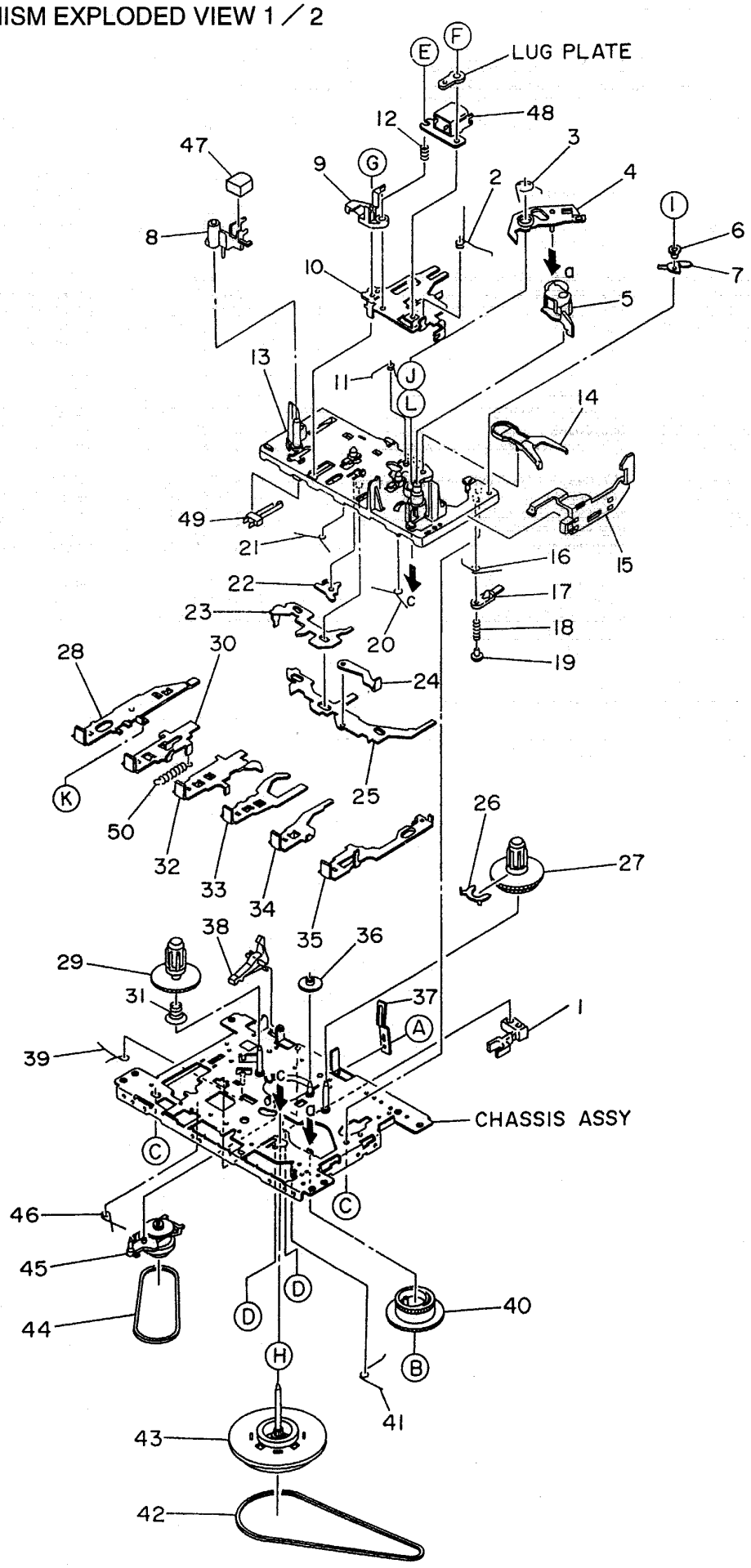


MECHANICAL PARTS LIST 1 ／ 1

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.	ｶﾝﾘ NO.	DESCRIPTION
1	S1-030-500-602		CAB,FRONT(CXNV200)
2	S1-030-600-201		TRAY PANEL(CXNV200)
3	S1-030-990-101		BADGE,AIWA
4	S1-030-880-301		PLATE,DISPLAY
5	S1-030-560-101		DISPLAY,WINDOW(CXNV200)
6	S1-030-530-201		DOOR,CASS R(CXNV200B)
7	S1-030-590-101		WINDOW,CASS(R)CXNV200
8	S1-030-580-101		WINDOW,CASS(L)CXNV200
9	S1-030-520-201		DOOR,CASS L(CXNV200B)
10	S1-035-050-101		CENTER CHAS(BLK)
11	S1-030-940-101		PLATE,CD-G
12	S1-030-690-101		LENS,T-BASS
13	S1-030-630-201		CD,BUTTOM(CXNV200)
14	S1-030-720-101		LED,COVER
15	S1-030-620-202		KEY,CASS R(CXNV200E)<EEZ,K,EZ>
15	S1-030-620-201		KEY,CASS R(CXNV200H)<HEJ,LH,HRJ>
16	S1-030-710-101		LCD,HOLDER
17	S1-030-570-101		WINDOW,CD(CXNV200)
18	S1-035-080-101		CAB,REAR(CXNV200)
19	S2-009-990-101		CHAS,HOLDER
20	S1-030-650-201		BTN,DIRECT(CXNV200B)
21	S1-035-040-101		COVER AC
22	S1-030-660-301		BTN,OPEN(CXNV200)
23	S1-030-640-202		FUNC,BUTTOM(CXNV200)
24	S1-030-700-101		LED,LENS
25	S1-030-680-101		LENS,FUNC
26	S1-030-930-101		VOLTAGE,PLATE<EEZ,K,EZ>
27	S1-030-730-101		FUNC,LED HOLDER
28	S1-030-670-201		KNOB,MIC(CXNV200)
29	S1-030-740-101		LED,HOLDER T-BASS
30	S1-030-610-202		KEY,CASS L(CXNV200E)<EEZ,K,EZ>
30	S1-030-610-201		KEY,CASS L(CXNV200H)<HEJ,LH,HRJ>
31	S1-030-850-101		GEAR,DAMPER
32	S1-030-860-101		BRKET,DAMPER
33	S2-009-940-101		CASS,SPR-T
34	S2-009-880-101		SECC,KEY CASS HOLDER
⚠ 35	S9-031-110-000		PT,EI-66(E,K)<EEZ,K,EZ>
⚠ 35	S9-031-210-000		PT,EI-66(H)<HEJ,LH,HRJ>
⚠ 36	S1-400-152-000		CORD,POWER AC
⚠ 37	S8-021-110-000		SELECTOR,VOLTAGE<HEJ,LH,HRJ>
38	S2-009-870-201		SPR,P REC
A	87-751-096-410		VT2+3-10
B	87-751-035-410		BH/MS 2-L6MM
C	87-721-097-010		KH/TS 3-L12MM
D	87-741-100-010		PH/TA 3-L16MM
E	87-741-104-010		PH/TA 3-L30MM
F	87-253-098-010		PH/MS 3-L14MM
G	87-351-547-310		PH/TS 2-L3MM
H	87-741-097-010		PH/TS 3-L12MM
I	87-761-096-010		WPA/TA 3-L10MM<HEJ,K>
I	87-251-094-410		BH/MS 3-L6MM<EXCEPT HEJ,K>
J	87-348-096-010		PH/TS 3-L8MM
K	87-751-095-410		BH/TS 3-L8MM

TAPE MECHANISM EXPLODED VIEW 1 / 2



TAPE MECHANISM PARTS LIST 1 ／ 2

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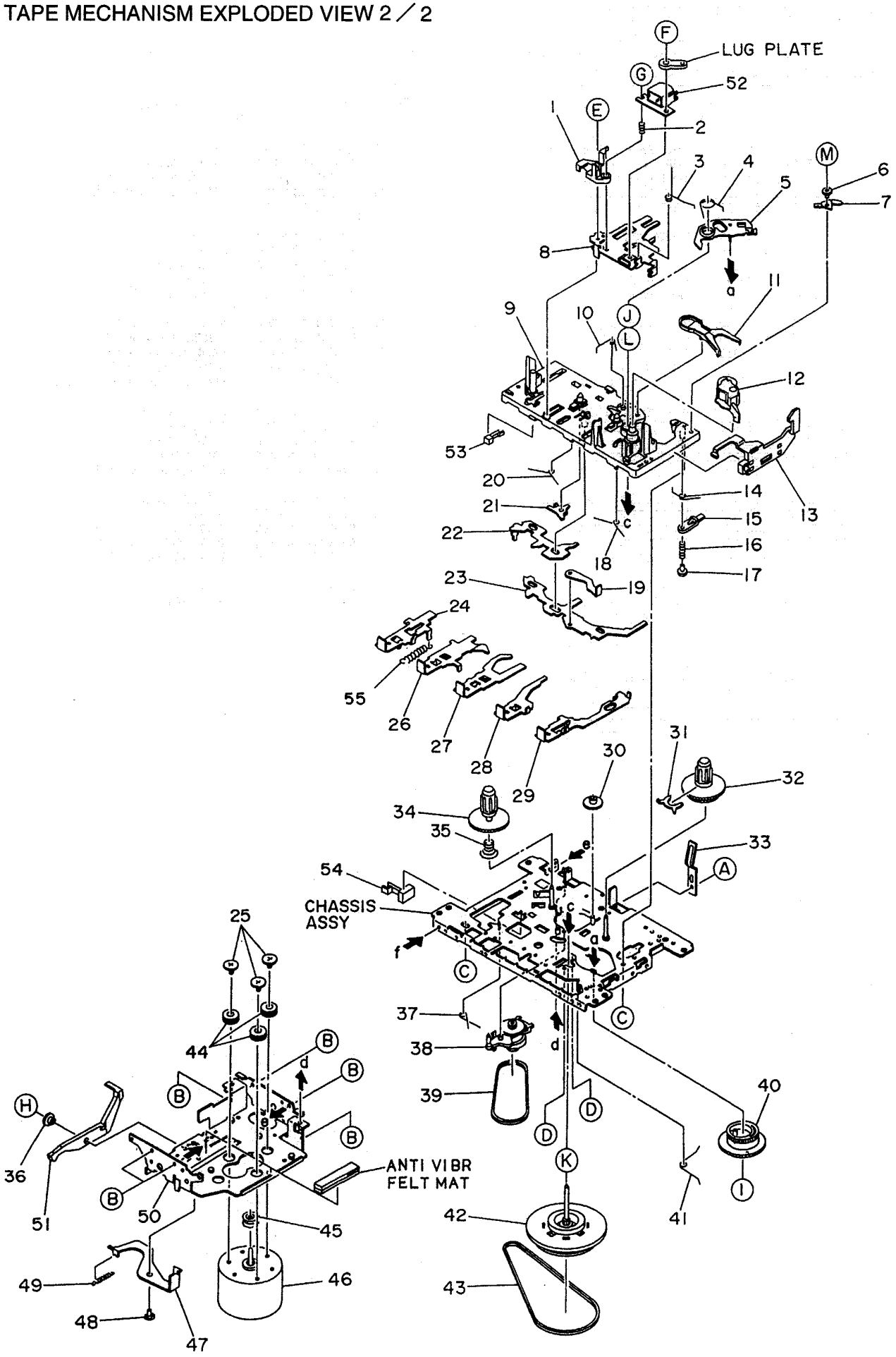
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	S6-401-011-610		LEAF SW MSW-17820MVEI
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 ASY
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		SENSER
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	S1-821-010-500		PLAY BUTTON LEVER SPRING
A	S9-P33-200-320		DEL TITE SCREWM2-3
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	S9-115-000-000		+ BIND 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
K	S9-179-000-000		C TAP SCREW M2-3
L	S9-999-000-030		P WASHER2.1-4-0.13

TAPE MECHANISM EXPLODED VIEW 2 / 2

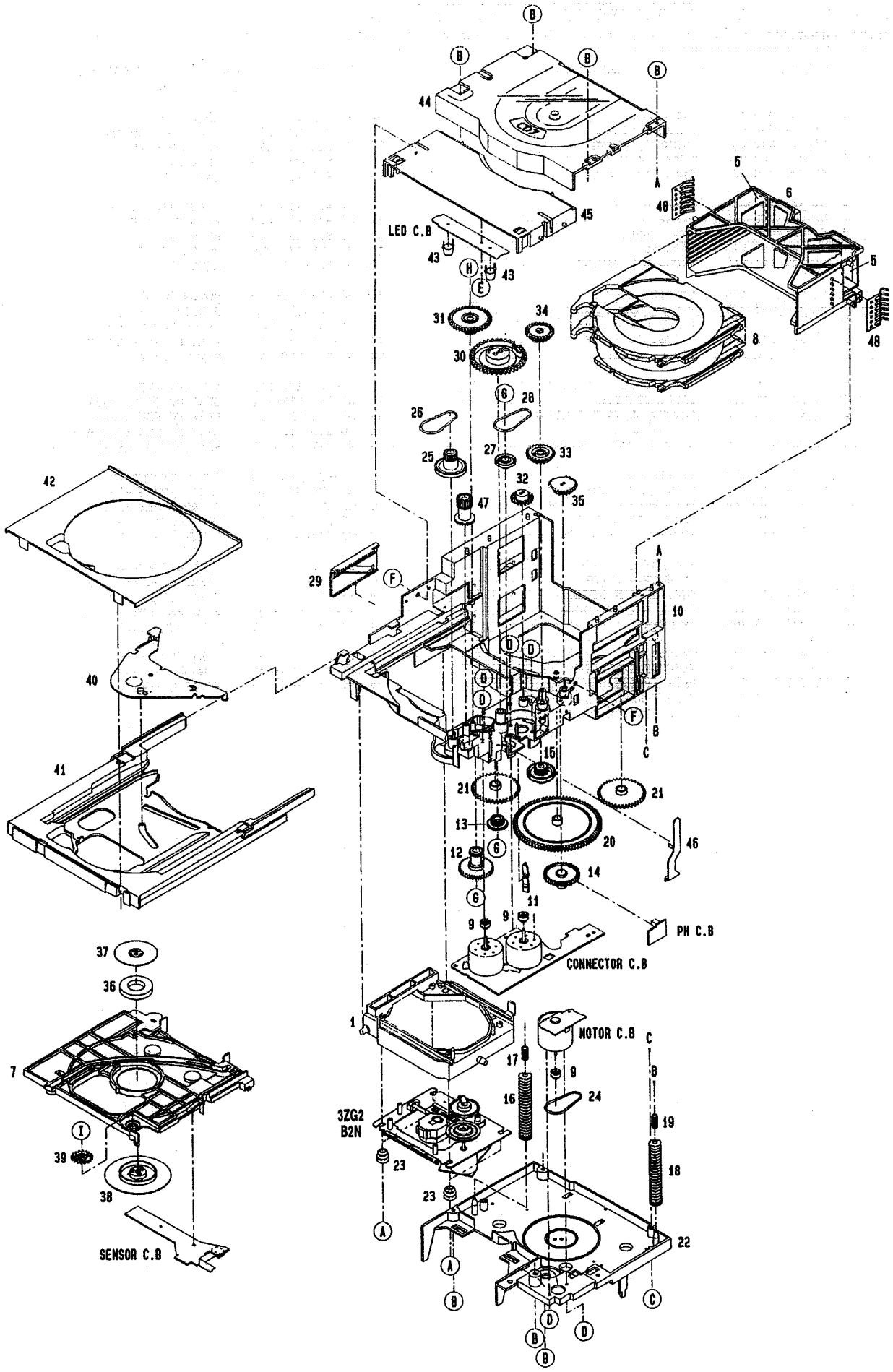


TAPE MECHANISM PARTS LIST 2／2

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.	カンリ NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE
2	S1-821-030-070		AZIMUTH SPRING
3	S1-921-030-030		PANEL P SPRING
4	S1-921-260-050		GEAR PLATE SPRING
5	S1-921-265-020		GEAR PLATE ASSY
6	S1-921-140-370		P ARM COLLER
7	S1-921-140-340		P ARM
8	S1-921-030-110		HEAD PANEL
9	S1-921-143-010		BASE ASSY
10	S1-921-141-8A0		M CONTROL SPRING
11	S1-921-260-4A0		SENSING LEVER
12	S1-921-043-090		PINCH ROLLER ARM ASY
13	S1-921-130-020		EJECT SLIDE LEVER
14	S1-921-141-3A0		P CONTROL SPRING
15	S1-921-140-820		PAUSE LEVER(F)
16	S1-921-140-120		PAUSE LEVER SPRING
17	S1-921-140-110		PAUSE STOPPER
18	S1-921-140-150		BUTTON LEVER SPRING(B)
19	S1-821-011-590		E KICK LEVER
20	S1-921-140-140		BUTTON LEVER SPRING(A)
21	S1-921-140-200		PR STOPPER
22	S1-921-140-090		SWITCH ACTUATOR
23	S1-921-140-080		PUSH BUTTON ACTUATOR
24	S1-921-140-230		PLAY BUTTON LEVER
25	S1-821-120-020		MOTOR COLLER SCREW
26	S1-921-140-240		REW BUTTON LEVER
27	S1-921-140-250		FF BUTTON LEVER
28	S1-921-140-260		STOP BUTTON LEVER
29	S1-921-140-610		PAUSE BUTTON LEVER
30	S1-821-100-700		FF GEAR
31	S1-921-050-060		SENSER
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
41	S1-921-140-160		E ACTUATOR SPRING
42	S1-921-093-040		FLYWHEEL ASSY
43	S1-921-090-240		MAIN BELT
44	S1-820-130-060		MOTOR RUBBER
45	S1-921-120-130		MOTOR PULLEY
46	S6-002-030-290		MOTOR EG530YD-2BH
47	S1-821-120-680		P KICK LEVER (A)
48	S1-821-120-230		PK COLLER SCREW A
49	S1-821-120-250		P KICK LEVER SPRING
50	S1-921-120-110		MOTOR BRACKET
51	S1-921-120-090		P KICK LEVER
52	S6-201-011-110		HEAD,RP7442ES-0951
53	S6-401-011-520		LEAF SW MSW-1541F
54	S6-401-011-610		LEAF SW MSW-17820MVEI
55	S1-821-010-500		PLAY BUTTON LEVER SPRING
A	S9-P33-200-320		DEL TITE SCREWM2-3
B	S9-180-000-000		C TAP SCREW M2-4
C	S9-679-000-000		P TAP SCREW M2-5
D	S9-999-180-090		TAP SCREW M2-4.5
E	S9-004-000-000		SCREW M2-6
F	S9-115-000-000		+ BIND SCREW M2-3
G	S9-922-000-000		AZIMUTH SCREW M2-8
H	S9-182-000-000		C TAP SCREW M2-6
I	S9-422-000-000		P WASHER CUT 12-3.8-0.3
J	S9-999-030-130		P WASHER CUT 1.45-3.8
K	S9-882-000-000		P WASHER 2-3.5-0.4
L	S9-999-000-030		P WASHER2.1-4-0.13
M	S9-999-200-410		P TAP SCREW M2-3

CD MECHANISM EXPLODED VIEW 1 / 2

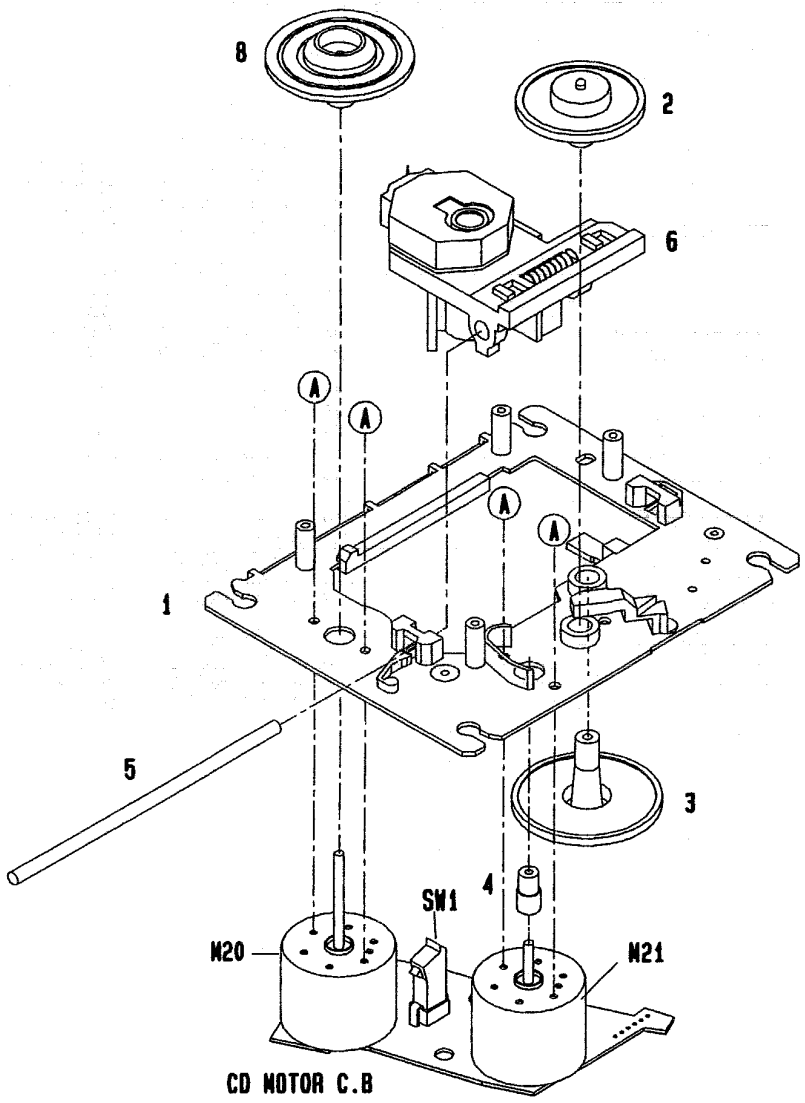


CD MECHANISM PARTS LIST 1 ／ 2

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.	カンリ NO.	DESCRIPTION
1	84-ZG2-205-010		HLDR,MECH
5	84-ZG2-237-010		CLOTH,BOX
6	84-ZG2-203-010		BOX,TRAY
7	84-ZG2-204-010		HLDR,MAGNET
8	84-ZG2-004-010		TRAY,DISC 12
9	84-ZG2-228-010		PULLEY,MOT
10	84-ZG2-201-010		CHAS,MECH
11	84-ZG2-225-010		LVR,A
12	84-ZG2-213-010		GEAR,TRAY LOAD-B
13	84-ZG2-214-010		GEAR,TRAY LOAD-C
14	84-ZG2-209-010		GEAR,UP DOWN-B
15	84-ZG2-208-010		GEAR,UP DOWN-A
16	84-ZG2-206-010		GEAR,CAM BOX 1
17	84-ZG2-238-010		SPR-C,G-BOX 1
18	84-ZG2-207-010		GEAR,CAM BOX 2
19	84-ZG2-239-010		SPR-C,G-BOX 2
20	84-ZG2-210-010		GEAR,UP DOWN-C
21	84-ZG2-211-010		GEAR,UP DOWN-D
22	84-ZG2-202-010		CHAS,BOTTOM
23	80-CD3-214-010		CUSH CD A
24	84-ZG2-231-010		BELT,SQ-C
25	84-ZG2-221-010		GEAR,MECH-F
26	84-ZG2-229-010		BELT,SQ-A
27	84-ZG2-215-010		GEAR,TRAY LOAD-D
28	84-ZG2-230-010		BELT,SQ-B
29	84-ZG2-224-010		CAM,SL
30	84-ZG2-223-010		GEAR,CAM
31	84-ZG2-220-010		GEAR,MECH-E
32	84-ZG2-219-010		GEAR,MECH-D
33	84-ZG2-218-010		GEAR,MECH-C
34	84-ZG2-217-010		GEAR,MECH-B
35	84-ZG2-216-010		GEAR,MECH-A
36	87-036-326-010		MAGNET,CLAMPER 93
37	81-ZG1-229-110		PLATE,MAGNET
38	81-ZG1-228-210		HLDR,MAGNET
39	84-ZG2-222-010		GEAR,CAM LOCK
40	84-ZG2-003-010		LVR,TRAY
41	84-ZG2-001-010		TRAY,L
42	84-ZG2-002-010		TRAY,COVER
43	84-ZG2-240-010		COVER,LED 2
44	84-ZG2-011-010		COVER,TOP S
45	84-ZG2-010-010		COVER,LED
46	84-ZG2-226-010		LVR,B
47	84-ZG2-212-010		GEAR,TRAY LOAD-A
48	84-ZG2-232-010		SPR-P,LOCK
A	81-ZG1-271-010		S-SCREW,MECH REAR
B	87-067-703-010		BVT2+3-10 (W/O SLOT)
C	87-067-822-010		BVT 2+3-20W/O SLOT
D	87-251-071-410		U+2.6-4
E	87-067-584-010		BVT2+3-6
F	87-721-097-410		QT2+3-12 GLD
G	87-067-828-010		VFT2+3-15DIA10,GLD
H	87-078-061-010		VFT2+3-20DIA10,GLD
I	87-761-097-410		VFT2 +3-12

CD MECHANISM EXPLODED VIEW 2 / 2



CD MECHANISM PARTS LIST 2 / 2

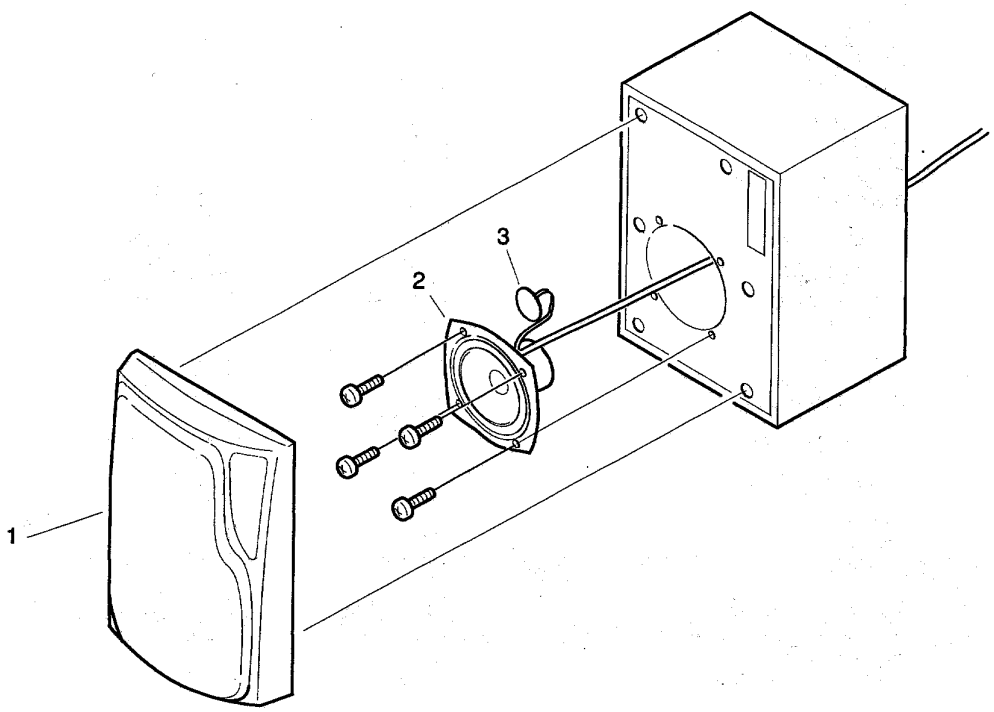
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	83-ZG2-202-71K		O-SERT S ASSY,S
2	83-ZG2-204-419		GEAR,A
3	83-ZG2-205-219		GEAR,B
4	83-ZG2-220-01K		GEAR MOTOR 2
5	83-ZG2-207-119		SHAFT,SLIDE
6	87-026-625-019		PICK UP HPC-1C
8	83-ZG2-222-01K		TURN TABLE,A5
A	87-261-032-219		SCREW V+2-3

MODEL NO.

SX-NV200

SPEAKER EXPLODED VIEW 1 / 1



SPEAKER 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.	ｶﾝﾘ NO.	DESCRIPTION
1	86-CPC-003-010		GRILLE,FRAME ASSY R
1	86-CPC-006-010	※	GRILLE,FRAME ASSY L
2	86-CPC-605-010		SPEAKER
3	86-CPC-011-010		PACKING

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
サージサプレッサ	SERGESUPPRESSOR
セラコン	CAP, CERA

サービス技術ニュース	
番 号	連絡内容
G — —	
G — —	
G — —	

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	INSTRUCTIONBOOKLET
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
ジグアーム	ARM, SHAFT
ジグガイド	GUIDE, SHAFT
ストラップ	STRAP
トクナベ	S-SCREW
ヒンジ	HINGE
ヒンジビス	S-SCREW
ビスセレート	SCREW, SERRART

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