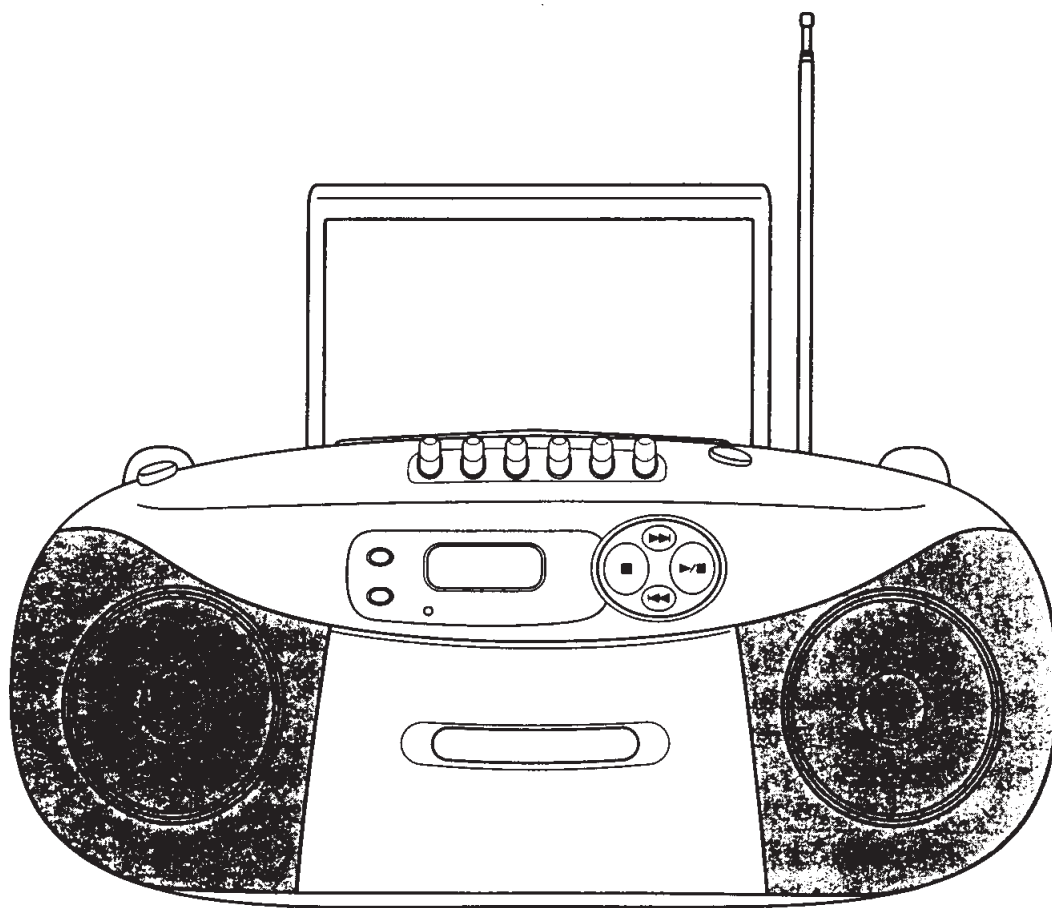


CASIO®

Service Manual

(without price)

CD-311S



Model-C: Europe
Model-E: Other Countries

INDEX

CD RADIO CASSETTE PLAYER

CONTENTS

Disassembly Instructions	1
Reassembly of Tuning Pointer	3
Block Diagrams	4
Tuner	4
AMP, Tape, PS	5
CD	6
Cassette Mechanism Electrical Adjustments	7
CD Adjustment	9
CD Troubleshooting	11
PCB Views	20
Tuner PCB Top View	20
CD AMP/Door SW PCB Top View	21
VR PCB Top View	22
PS PCD Top View	23
Tape PCB Top View	24
LCD PCB Top View	25
Wiring Diagram	26
IC Lead Identification and Internal Diagrams	27
Schematic Diagrams	33
CD Mechanism	33
Tuner	34
AMP,PS	35
Tape	36
CD	37
Parts List	38
Exploded Views	45
Cabinet	45
Cassette Mechanism	46
Case Unit	47
Top Case Unit	48
CD Mechanism	49

DISASSEMBLY INSTRUCTIONS

1. Remove the battery cover and batteries.
2. Remove six screws (A) holding case B ass'y(case B unit, PS unit).

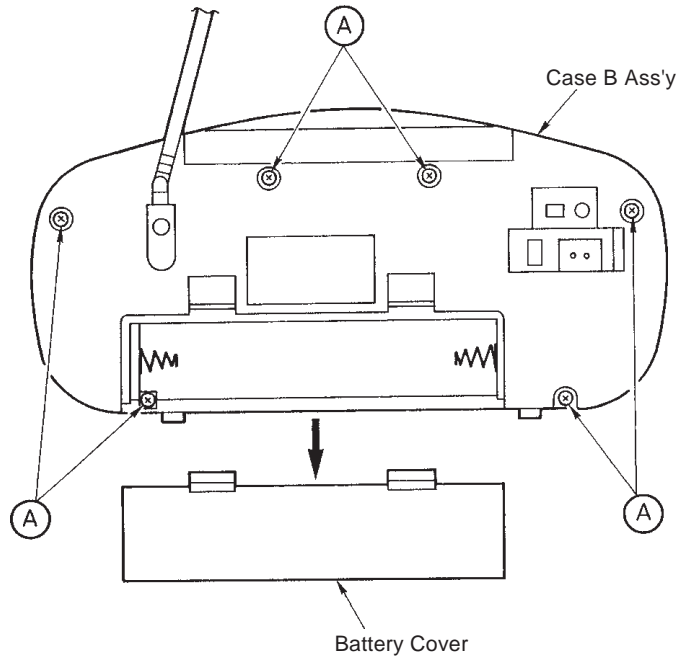


Figure 1

3. Remove four screws (B) holding the case ass'y.

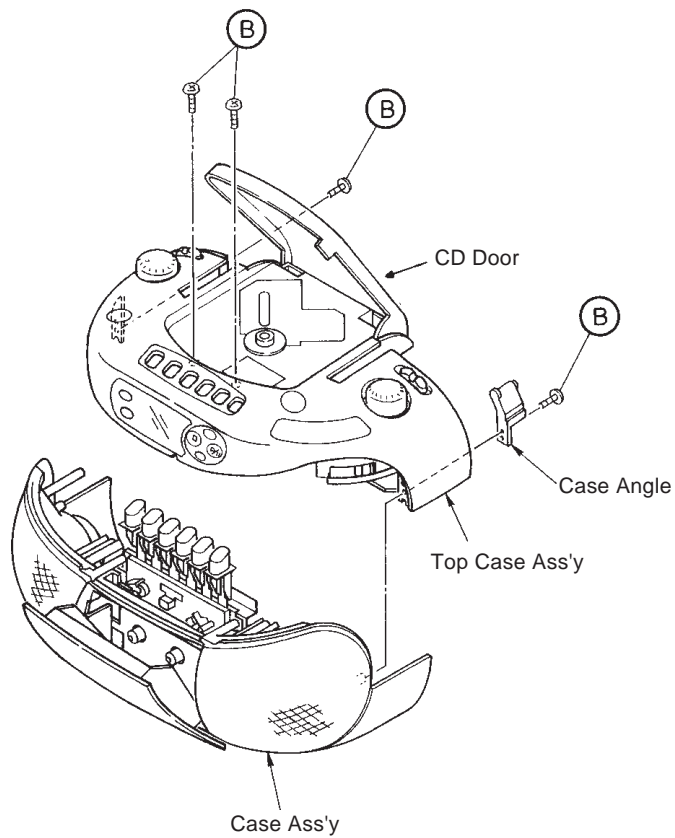


Figure 2

4. Pull out the two select knobs, volume knob and tuning knob.
5. Remove four screws (C) holding the tuner unit.
6. Remove six screws (D) holding the CD AMP unit.
7. Remove five screws (E) holding the VR unit.
8. Remove three screws (F) holding the CD mechanism set.
9. Remove two screws (G) holding the LCD unit.

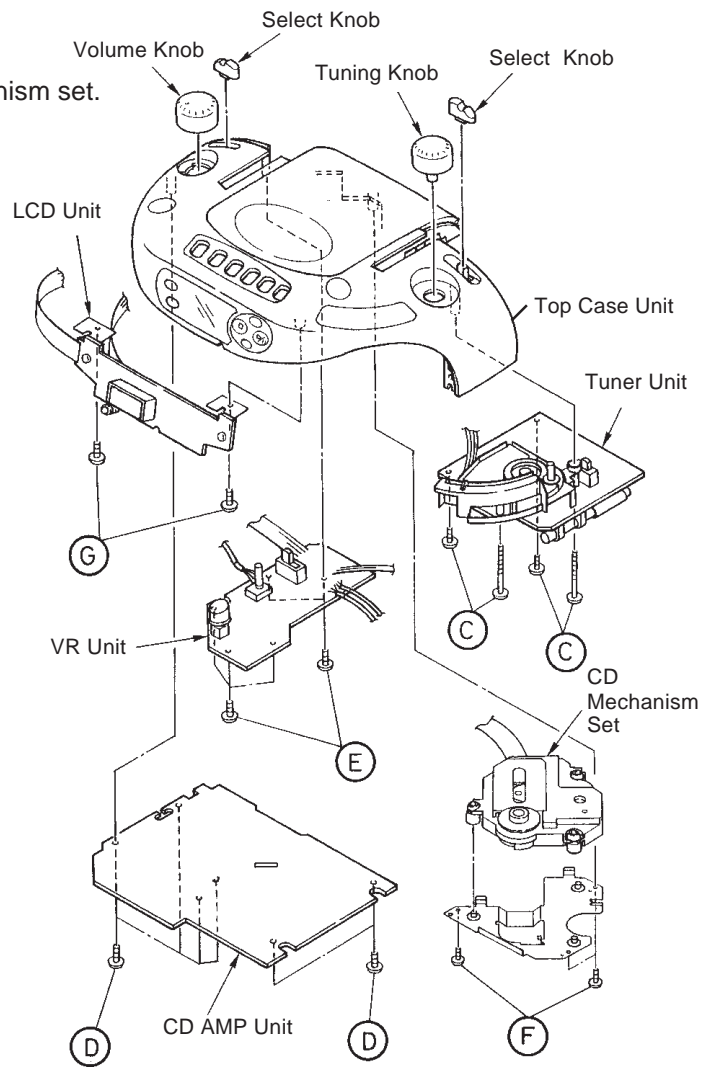


Figure 3

10. Remove three screws (H) holding the tape unit.
11. Remove four screws (J) holding the angle A and cassette mechanism unit.

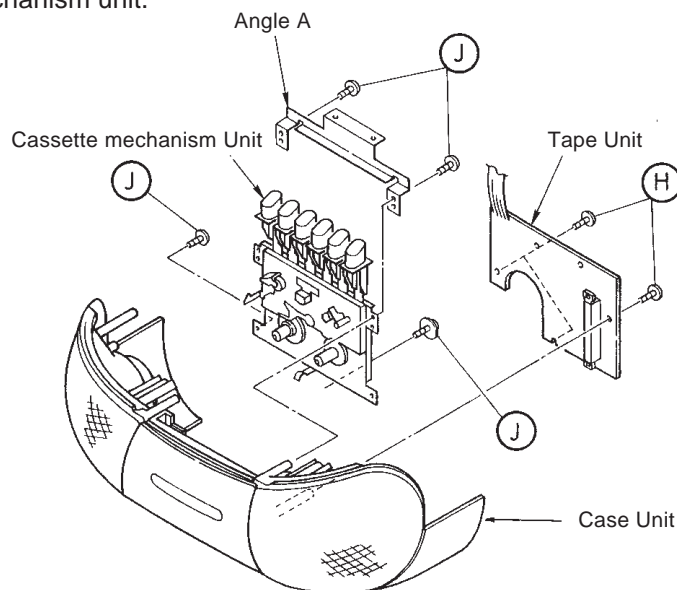


Figure 4

REASSEMBLY OF TUNING POINTER

1. Turn the varicon unclockwise stop position.
2. Set the pointer \bigcirc mark position. (refer figure 6)
3. Set the varicon gear of figure 6 position.
4. Insert the tuner gear

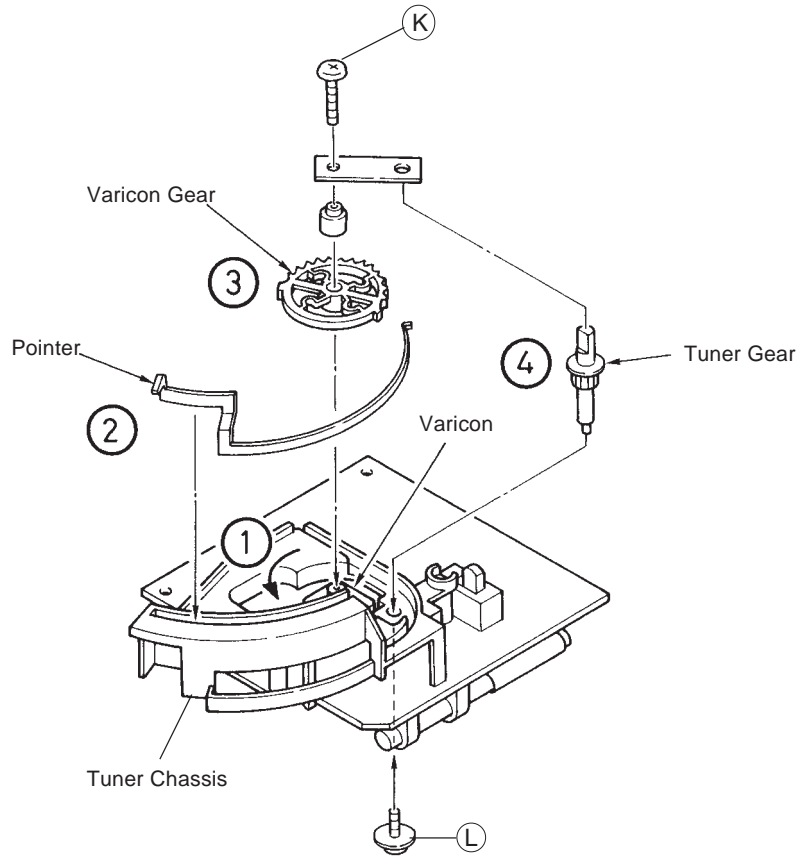


Figure 5

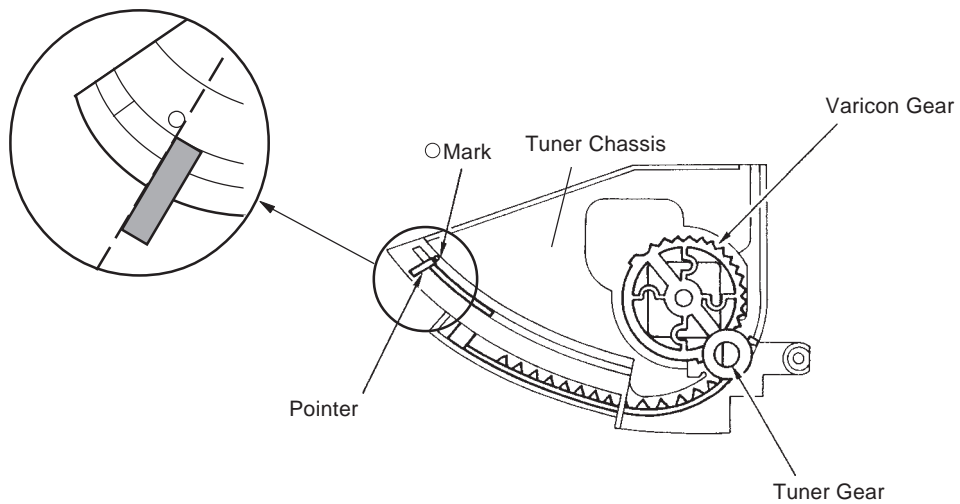
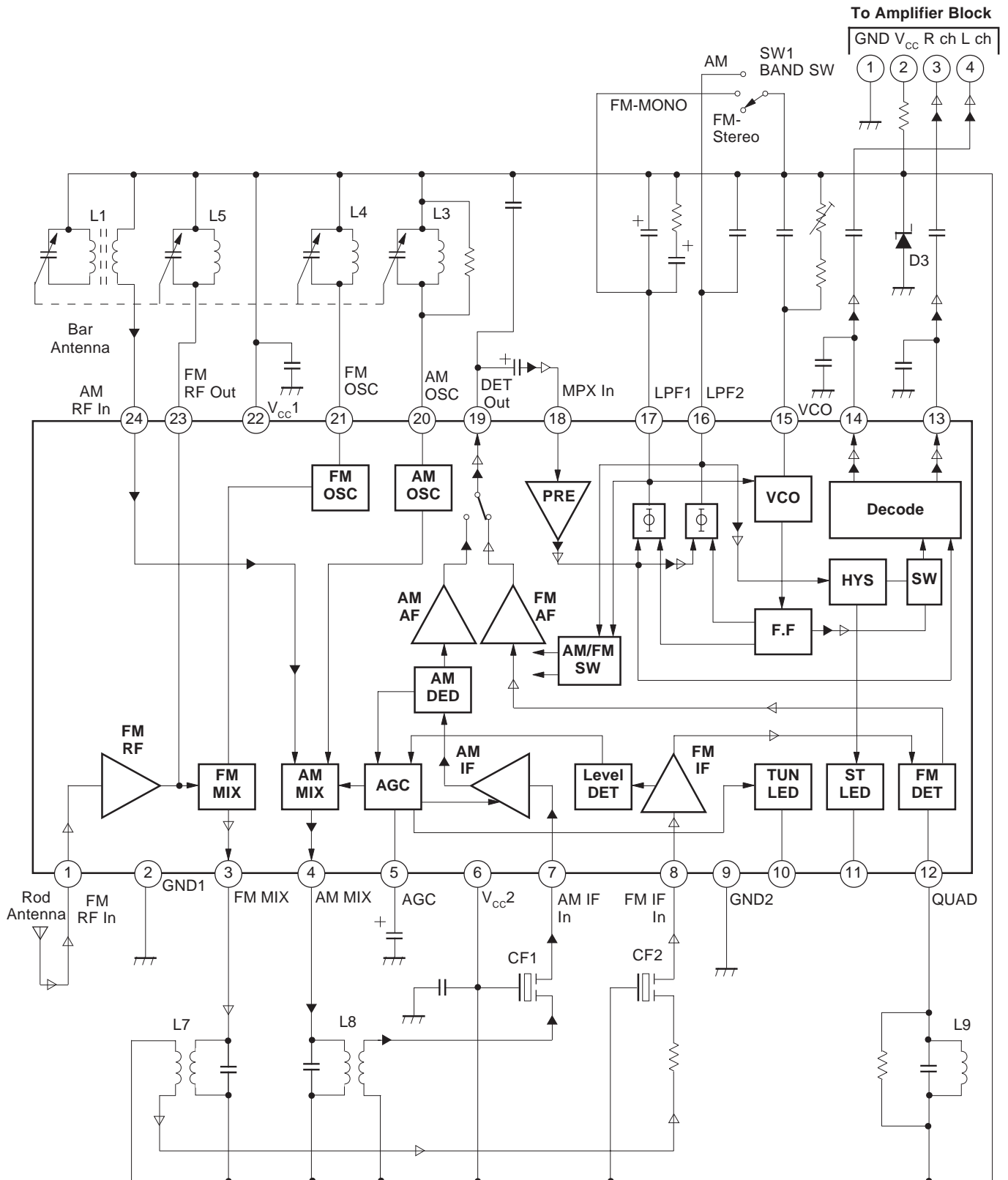


Figure 6

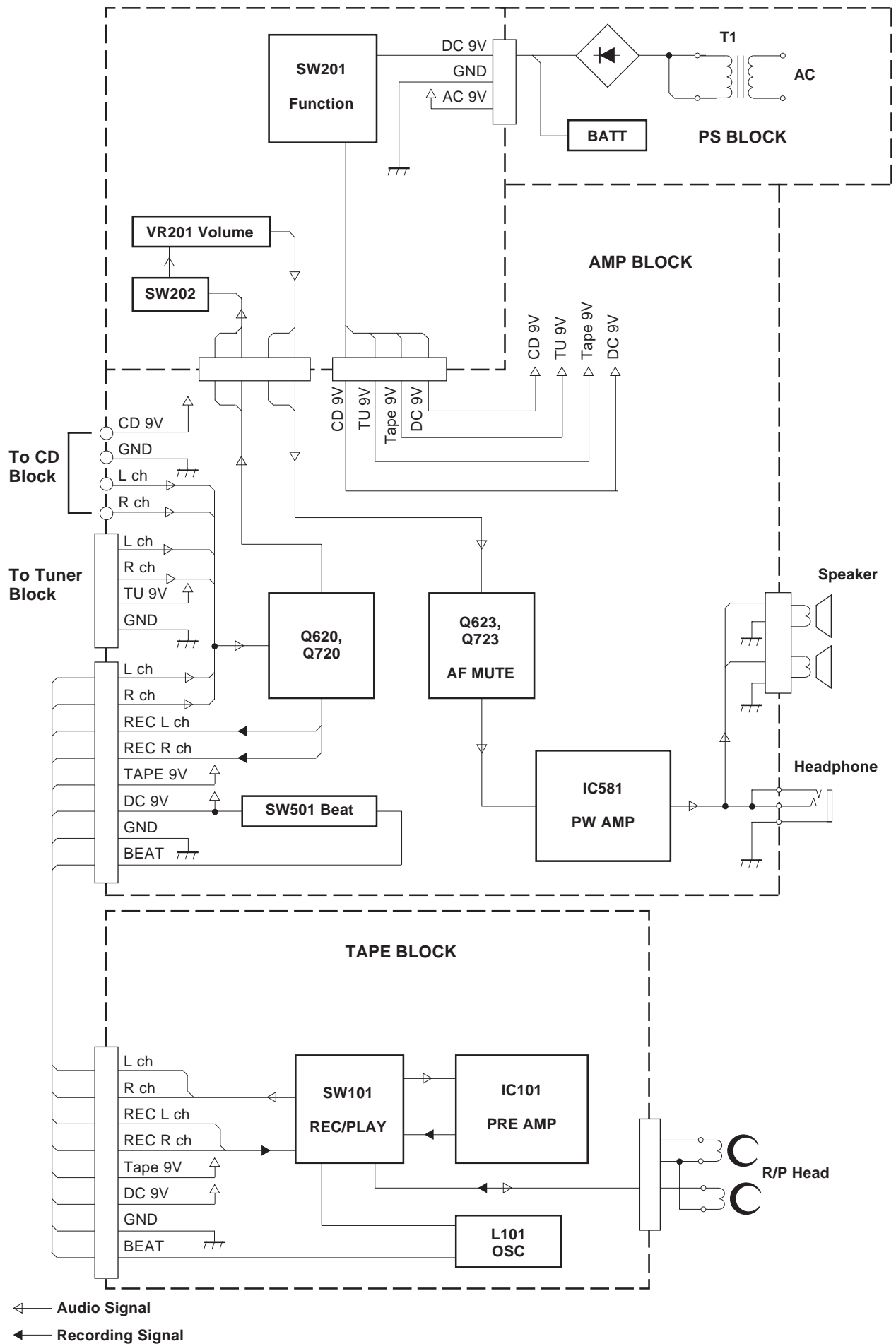
BLOCK DIAGRAMS

Tuner

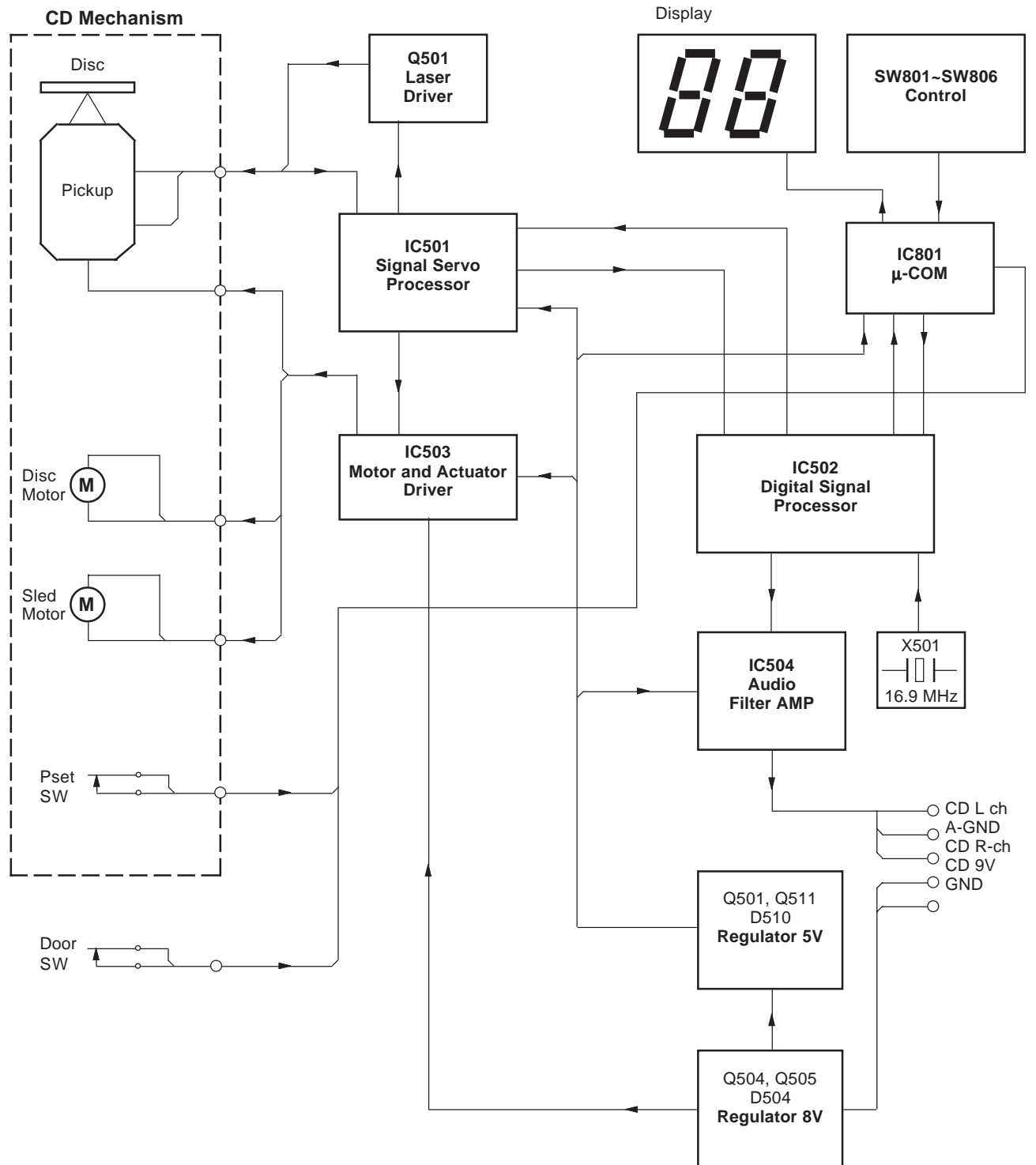


◁ FM Signal
 ◀ AM Signal

AMP, Tape, PS



CD



CASSETTE MECHANISM ELECTRICAL ADJUSTMENTS

General Remarks

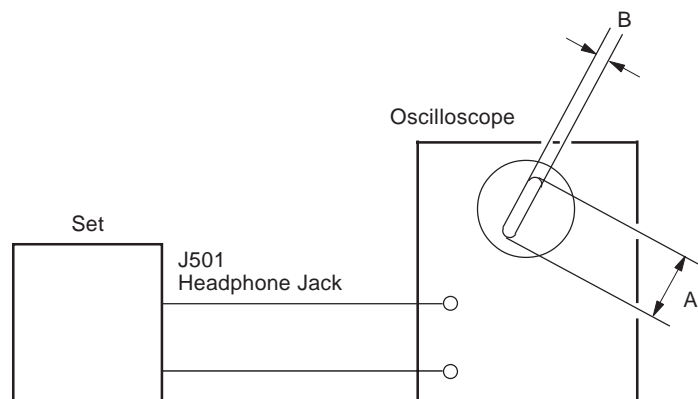
- Before attempting to adjust the mechanism, wipe clean all tape-contacting surfaces (pinch roller, REC/PB head, erase head, and capstan), as well as the contact surfaces of the driving parts (motor pulley, flywheel, pulley, belt, and clutch assembly), with a piece of soft cloth moistened with denatured alcohol. Grease stains may cause trouble.
- Never use a magnetized screwdriver for head adjustment.

Equipment Required

- Oscilloscope
- Frequency counter
- Screwdriver (Plastic type)
- Test tapes MTT-113C (TEAC) or TCC-111N (TEAC)

Head Azimuth Adjustment (Figures 7 and 8)

Step	Setting	Adjust	Result
1	Play the test tape 8 KHz position. (MTT-113C)	Azimuth screw (Figure 8)	Obtain the maximum amplitude. (A: Maximum) (B: Minimum)



Note: Mode Switch is X-Y position.

Figure 7

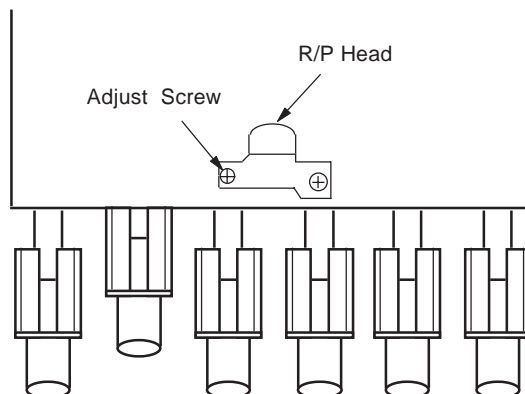


Figure 8

Tape Speed Adjustment (Figures 9 and 10)

Step	Setting	Adjust	Result
1	Play the test tape. (MTT-111N)	Motor screw (Figure 10)	Frequency counter reading should be 3000 Hz (2910~3090).

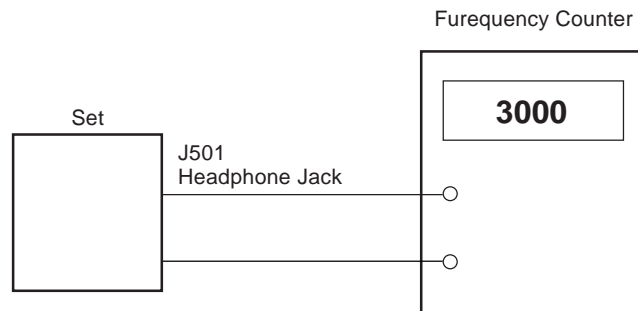


Figure 9

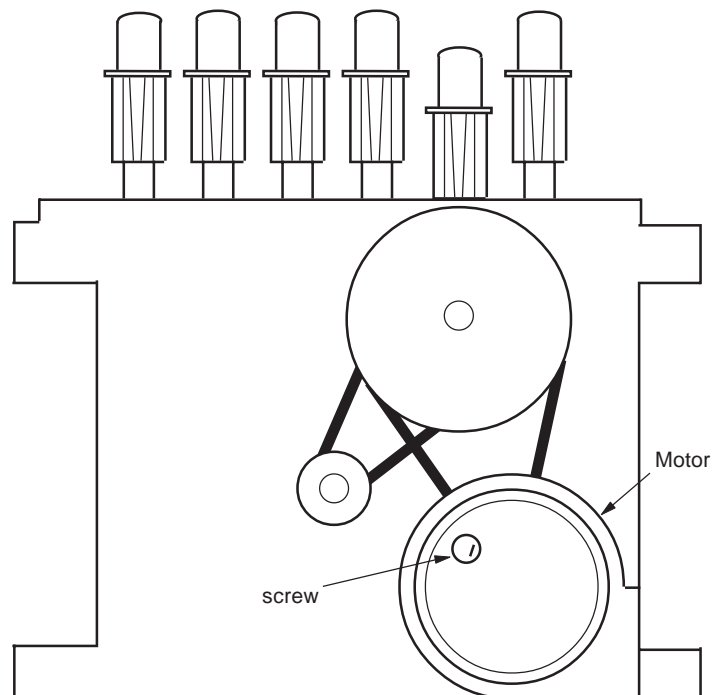


Figure 10

CD ADJUSTMENTS

Pre-Adjustment Procedures

- Remove the bottom chassis assembly. (Refer pages 1, 2)
- Use the plastic screwdriver.

Equipment Required

- Syncroscope (with probe 10:1)
- Screwdriver (Plastic type)
- The Test Disc SONY YEDS-18(Type 4)ABEX TCD784

E-F Balance Adjustment (Figures 11 and 13)

Step	Connect	Setting	Adjust	Result
1	See Figure 11	Play the test disc.	VR501	
2		Set the PAUSE mode.		

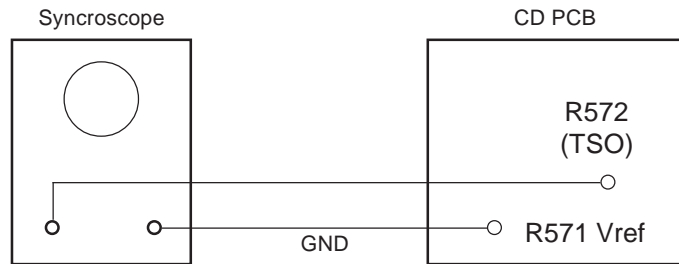


Figure 11

RF Adjustment (Figures 12 and 13)

Step	Connect	Setting	Adjust	Result
1	See Figure 12	Play the test disc.	VR502	Adjust VR502 for the amplitude of the waveform at maximum. Measuring on syncroscope.

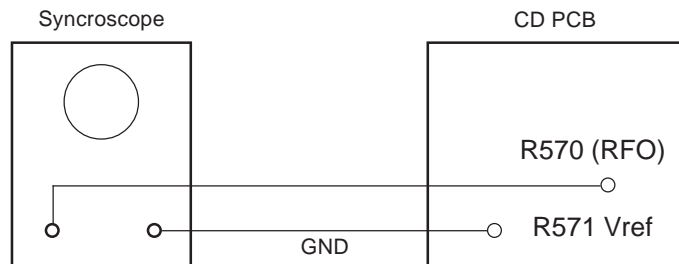
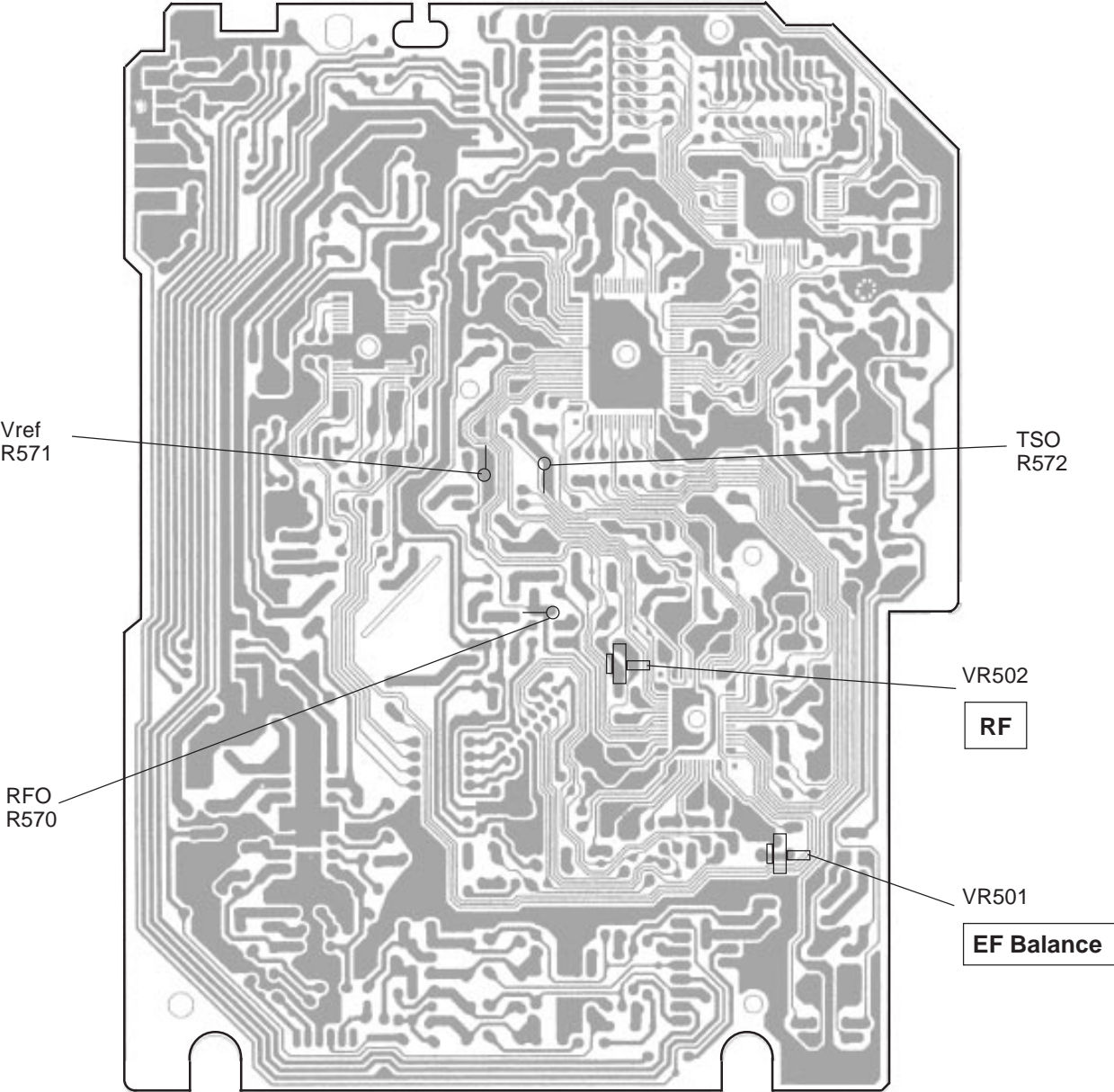


Figure 12

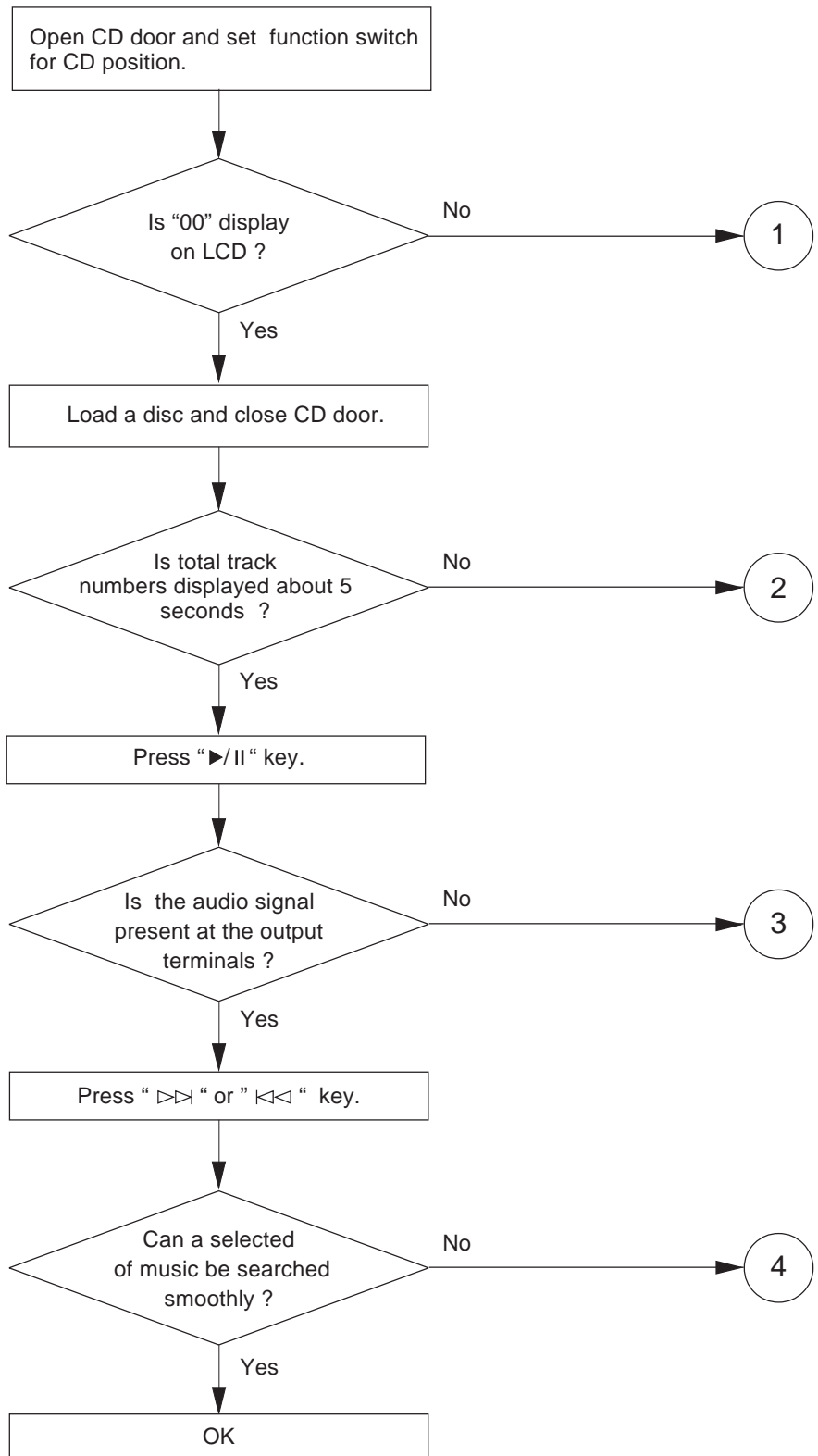
CD Adjustment Points



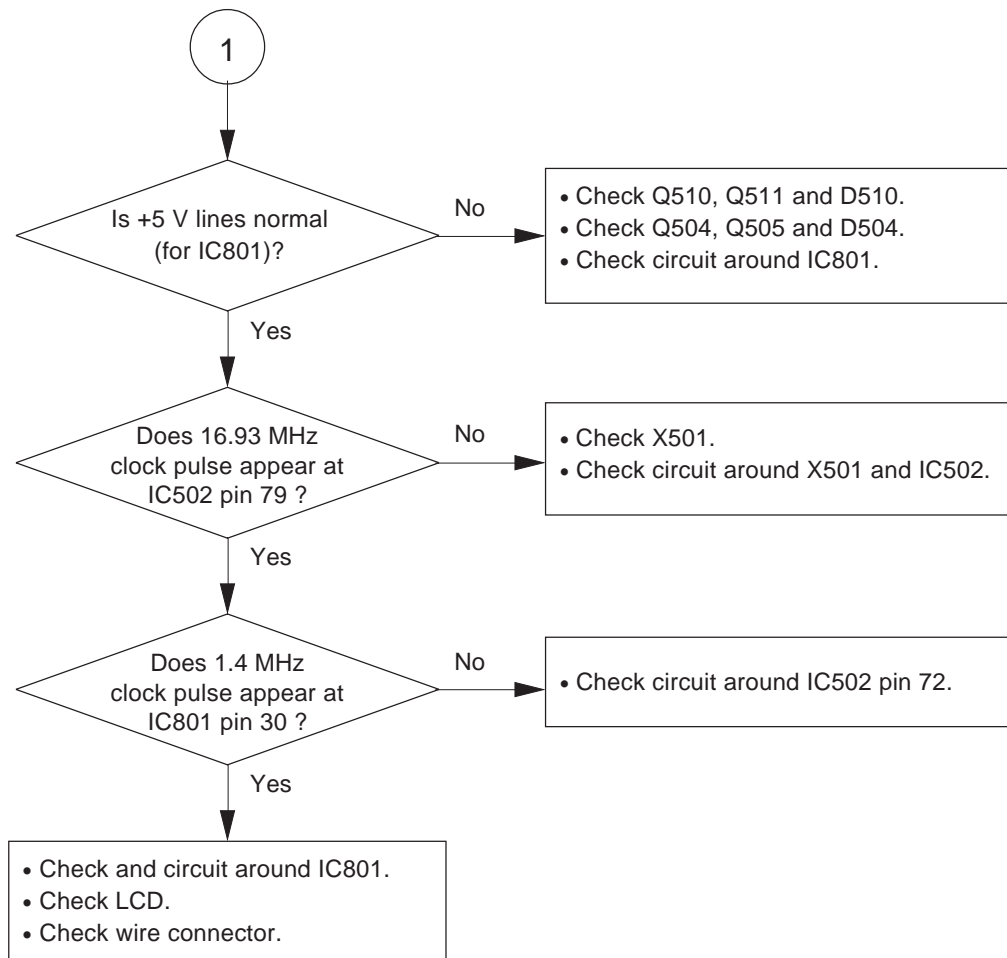
CD PCB Top View

Figure 13

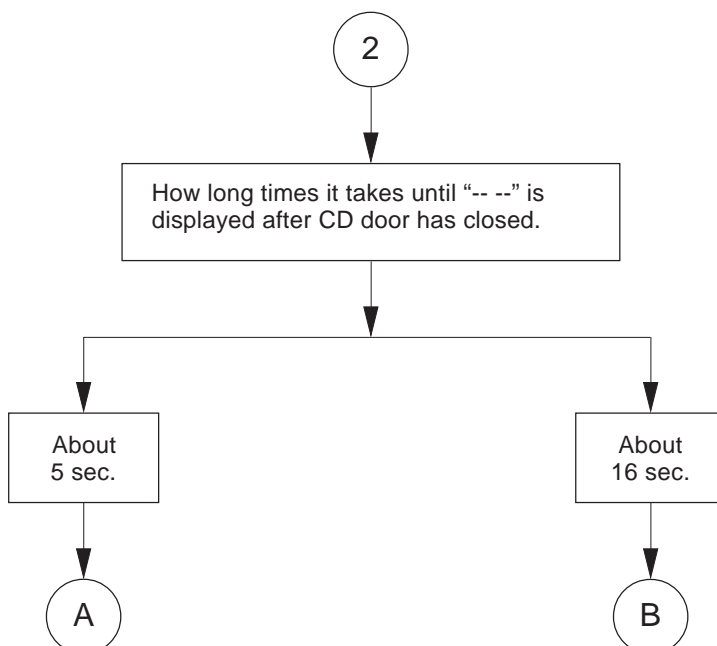
CD TROUBLESHOOTING



1. At power on, "00" is not displayed.



2. "-- --" is not displayed total track numbers.



2-A

⚠ Note: Open the CD door and check the radiation power with an optical power meter or by watching the radiation through the lens of the pickup unit at a minimum distance of 30cm from the pickup.

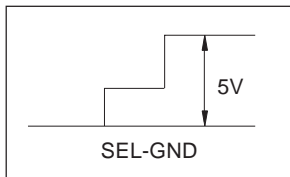
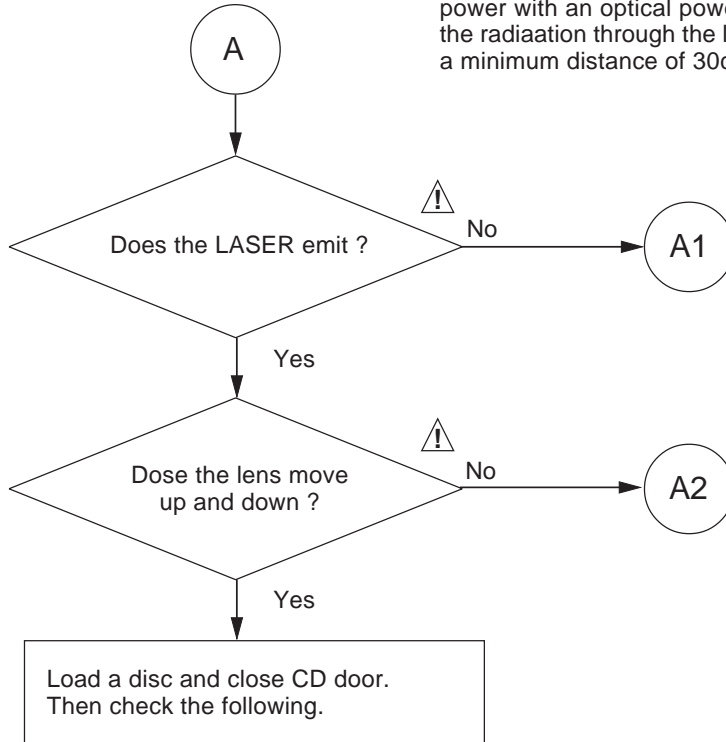


Figure 14

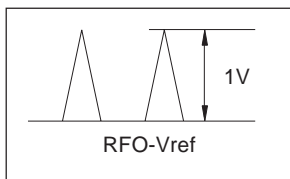
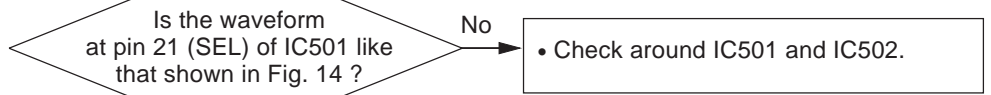


Figure 15

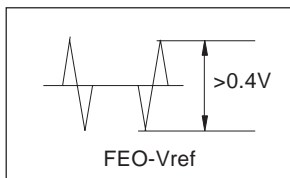
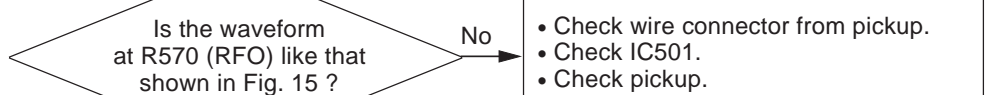
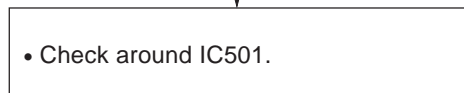
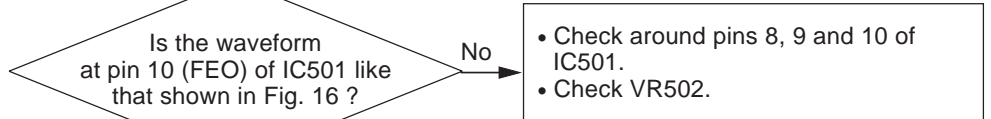
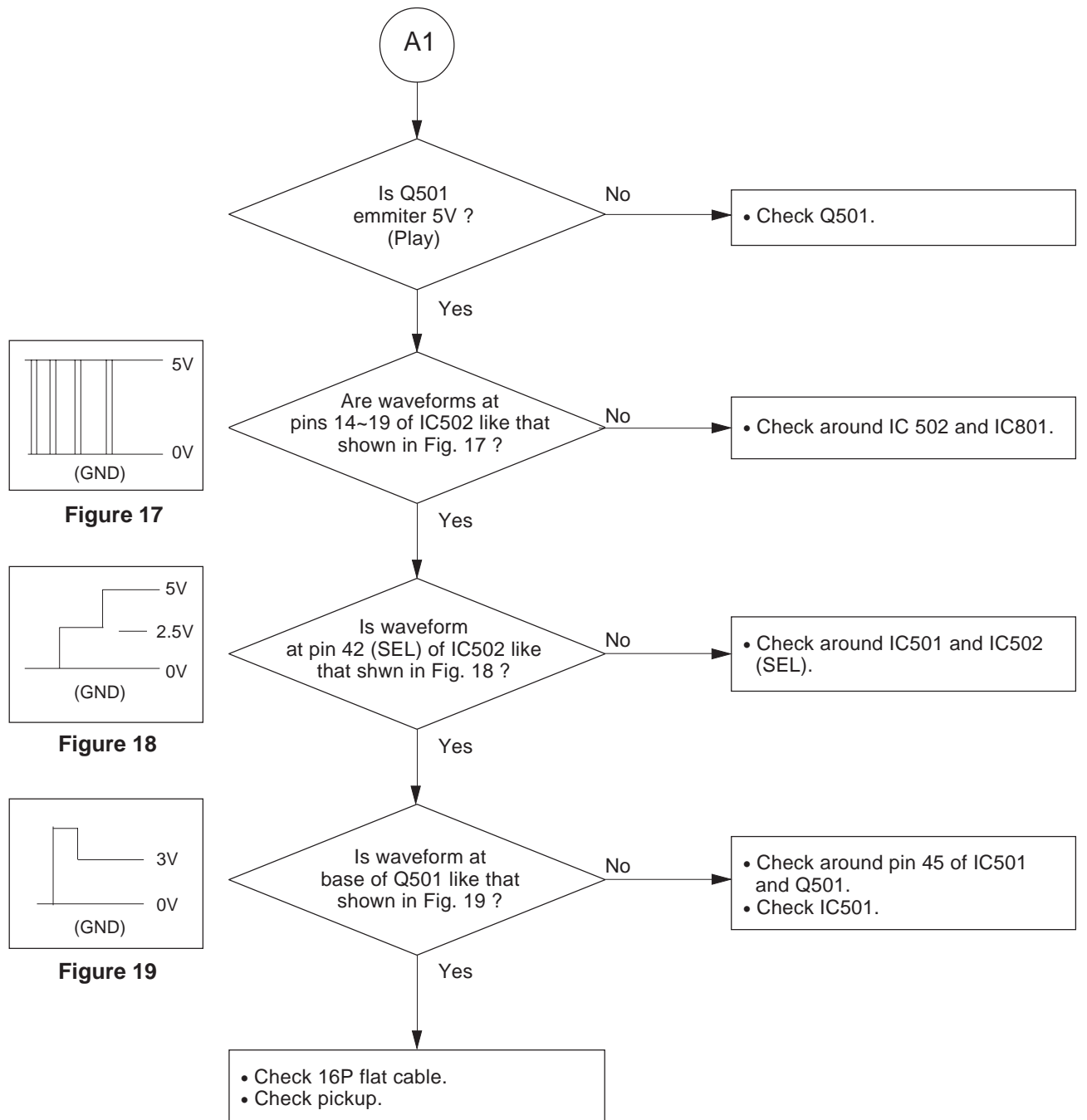


Figure 16



2-A1



2-A2

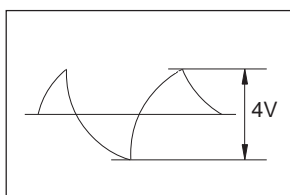
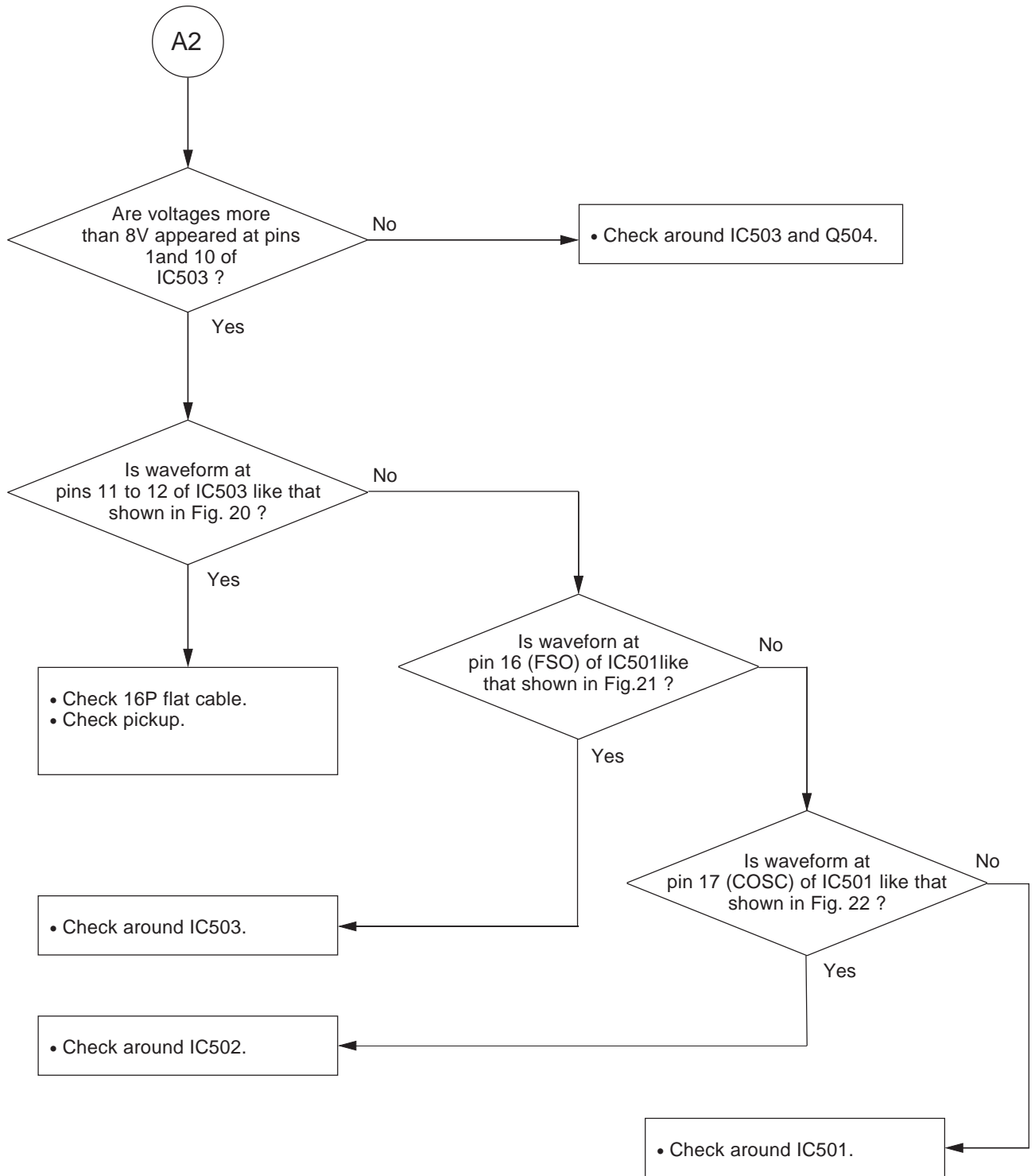


Figure 20

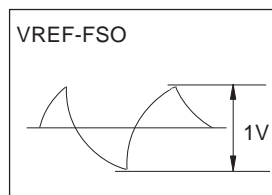


Figure 21

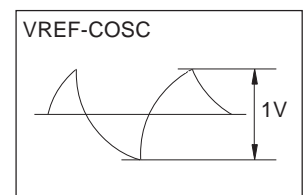
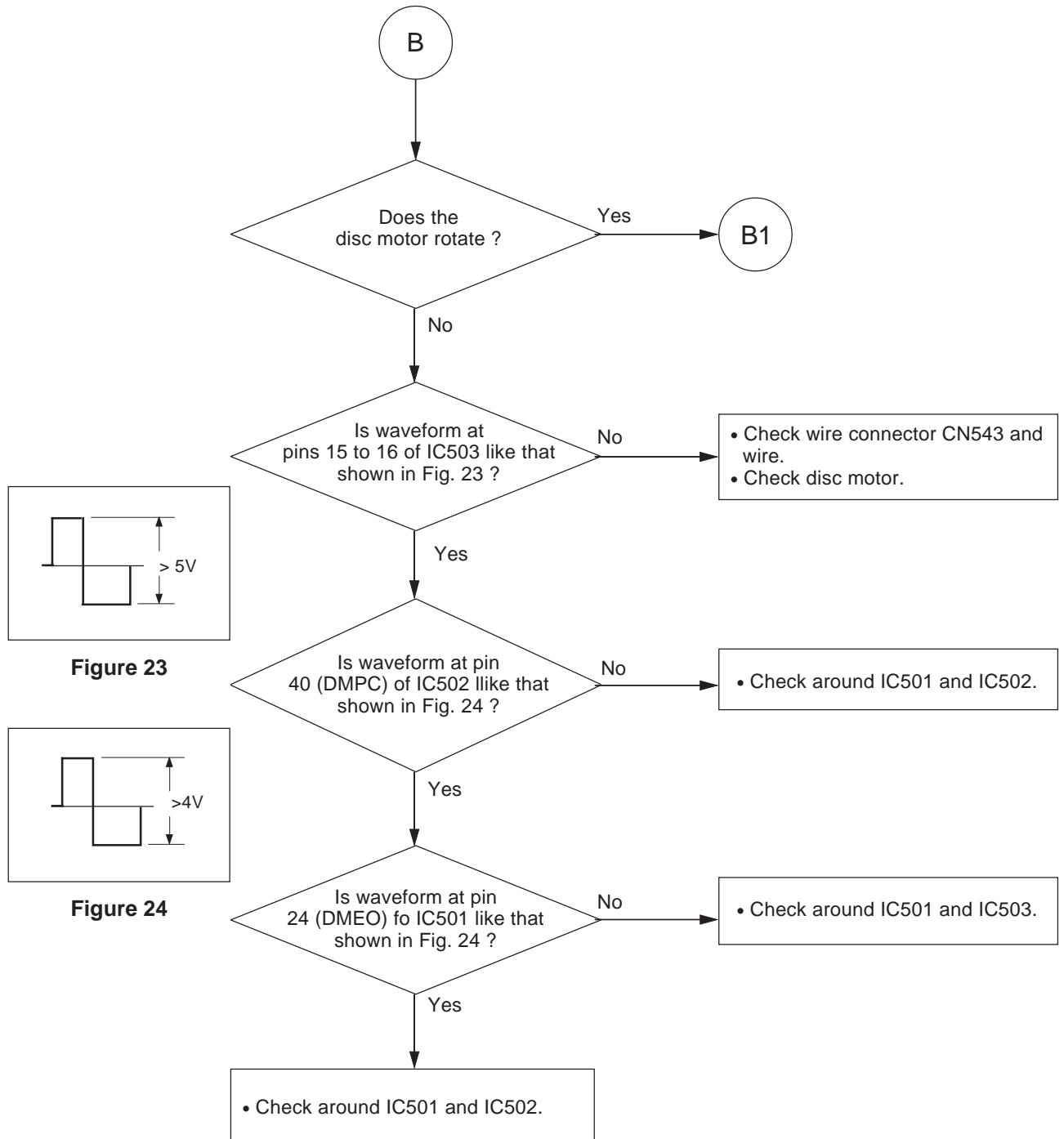


Figure 22

2-B



2-B1

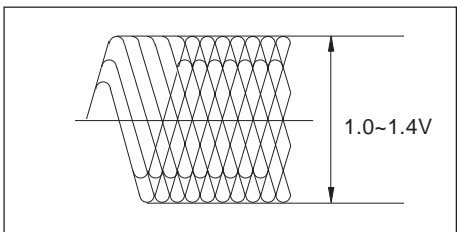
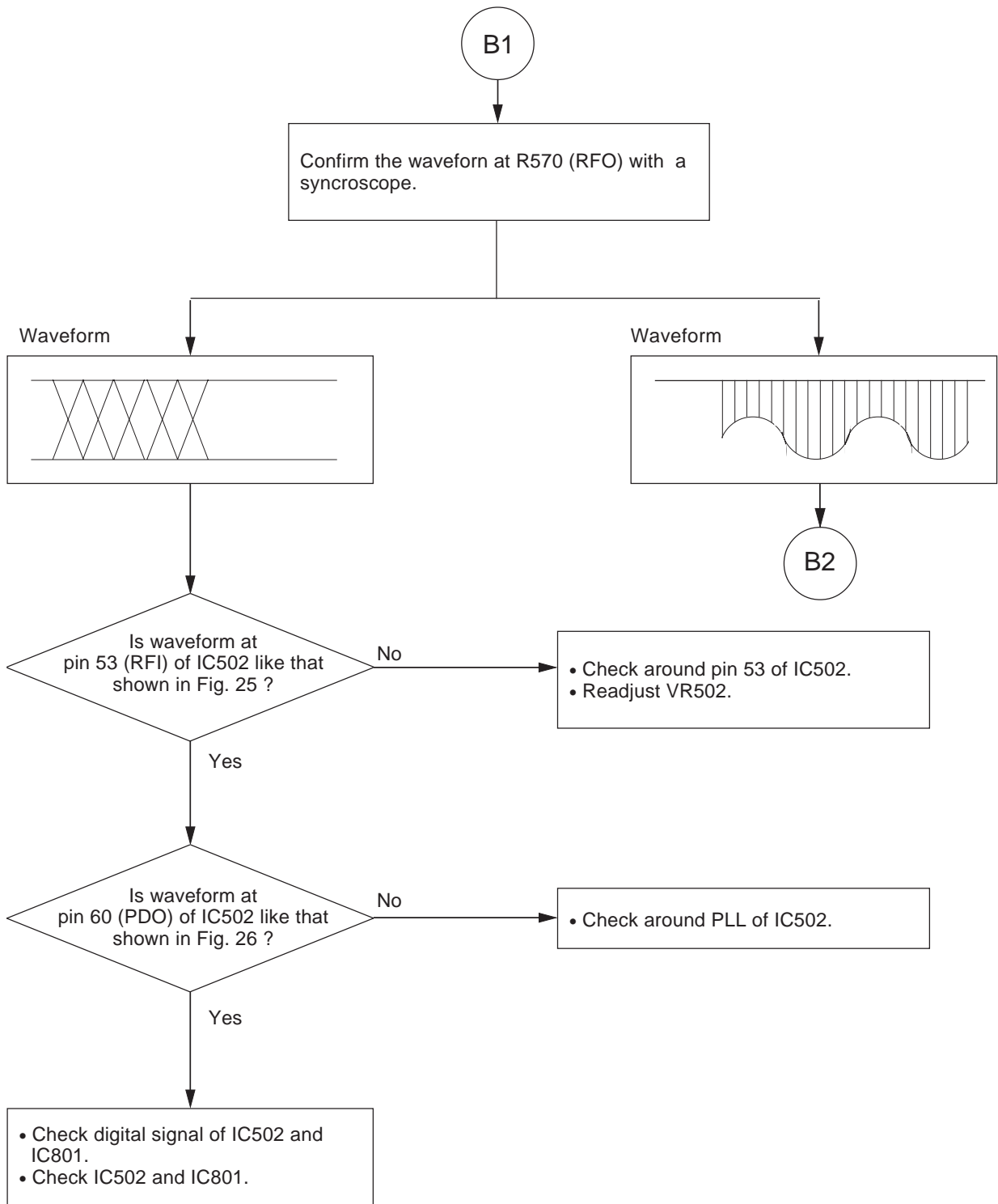


Figure 25

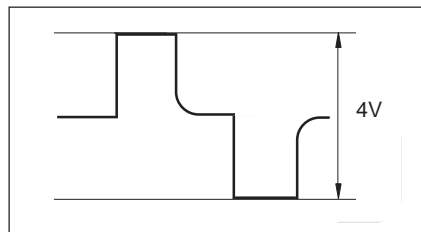
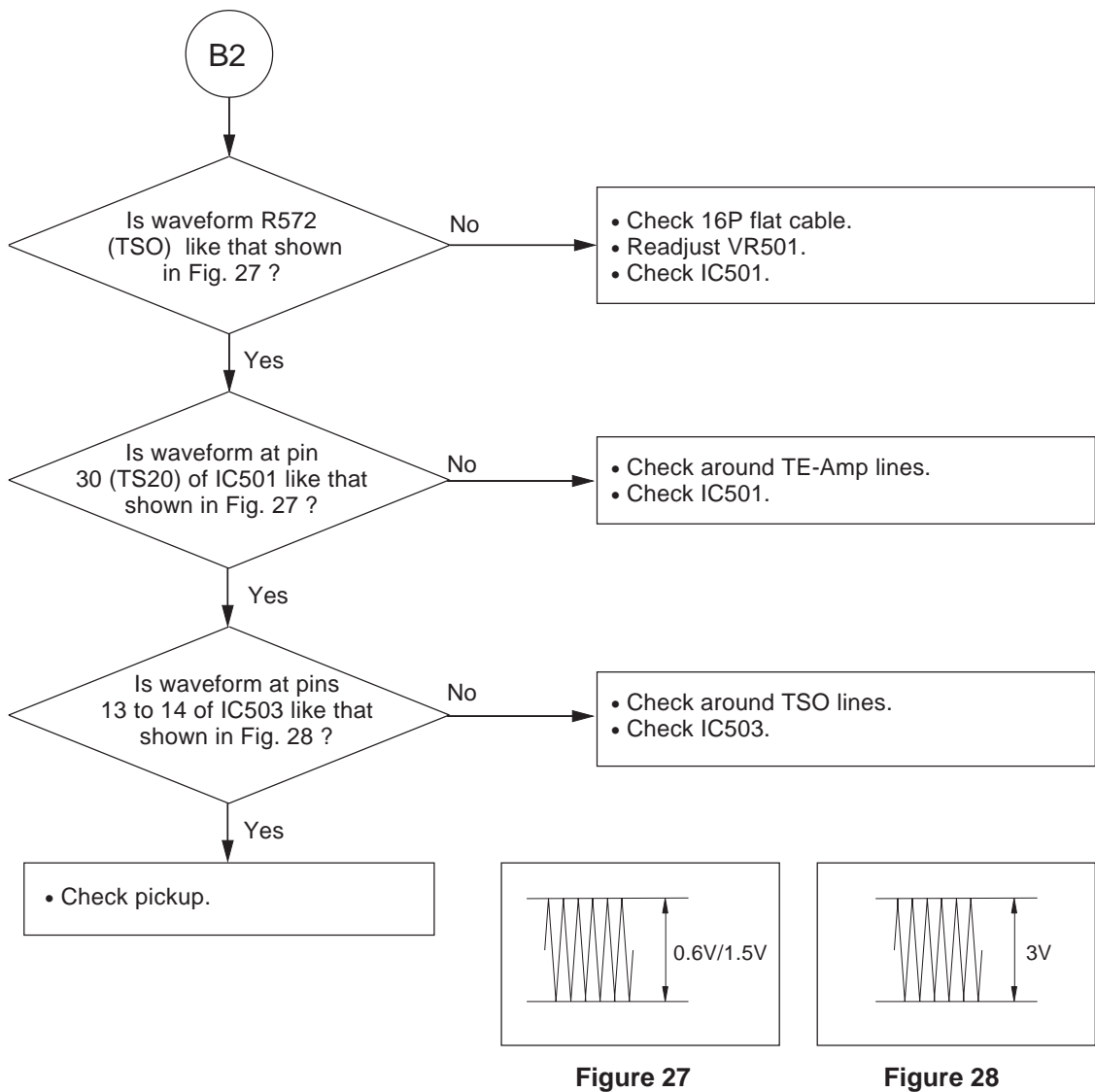
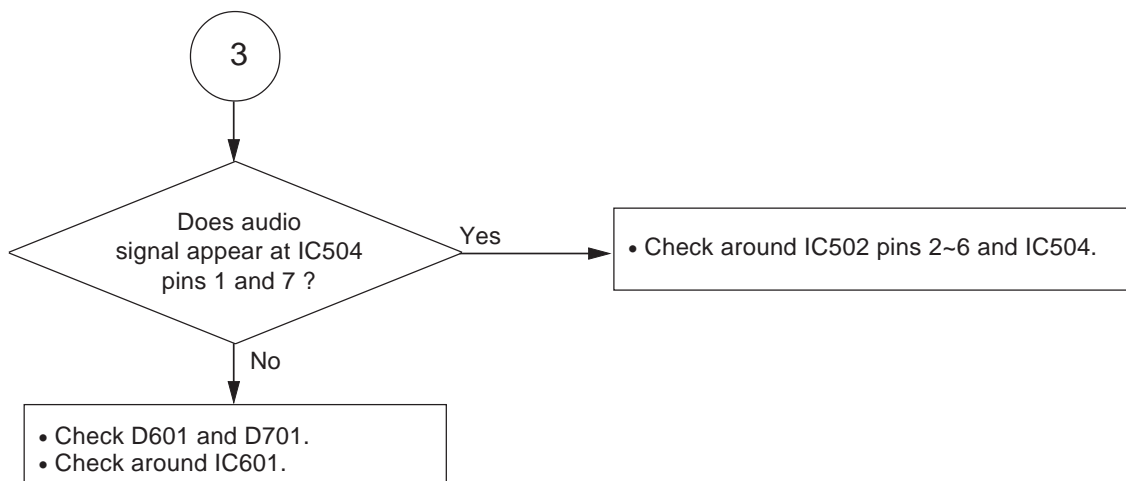


Figure 26

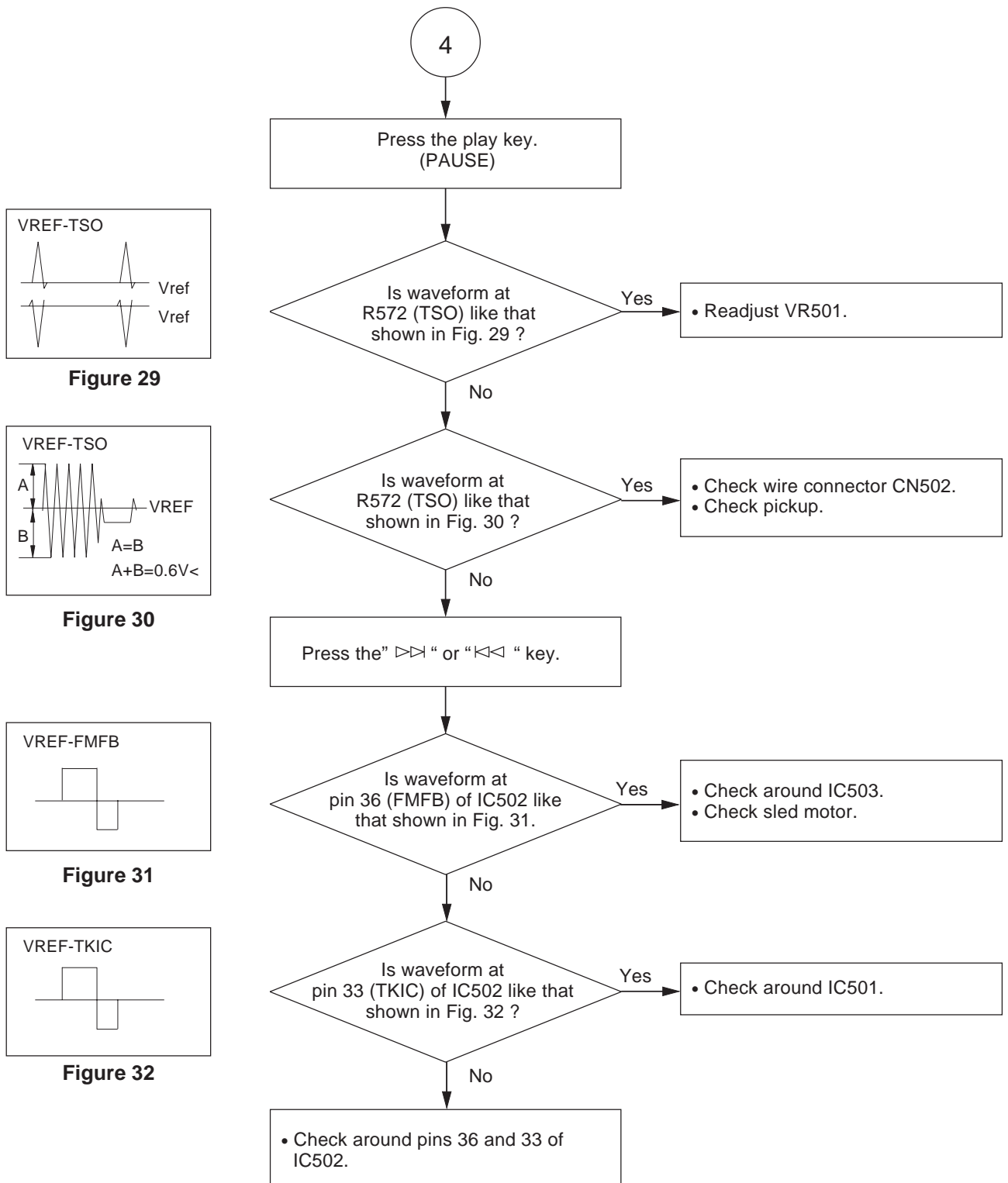
2-B2



3. No present at output terminals audio signal

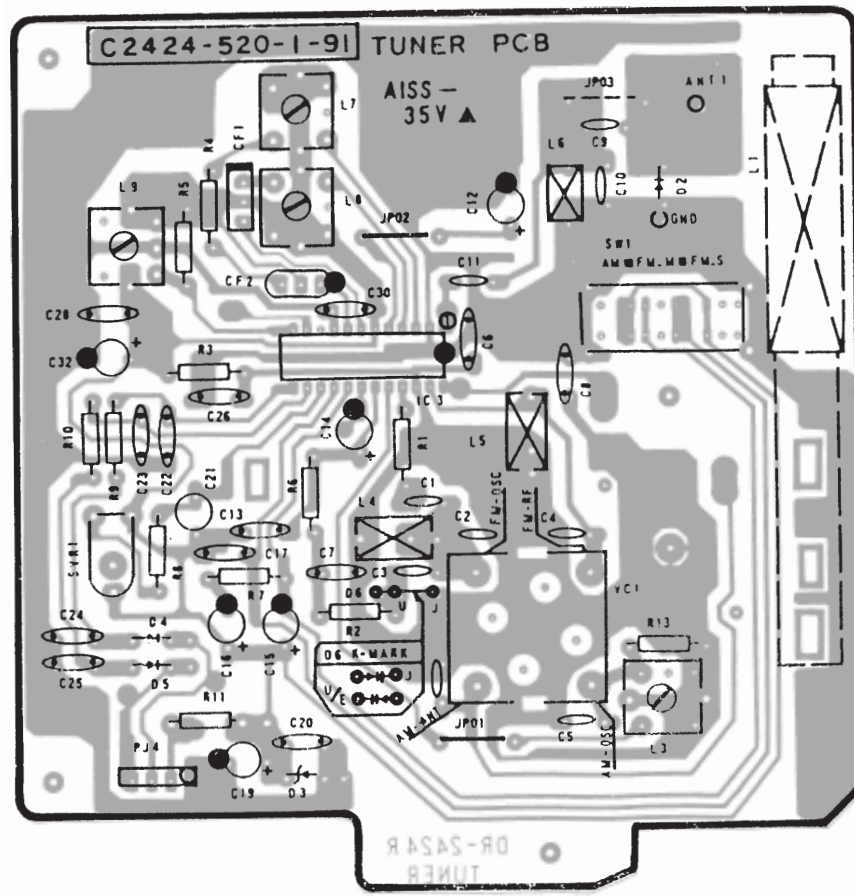


4. Selected of music cannot be searched.

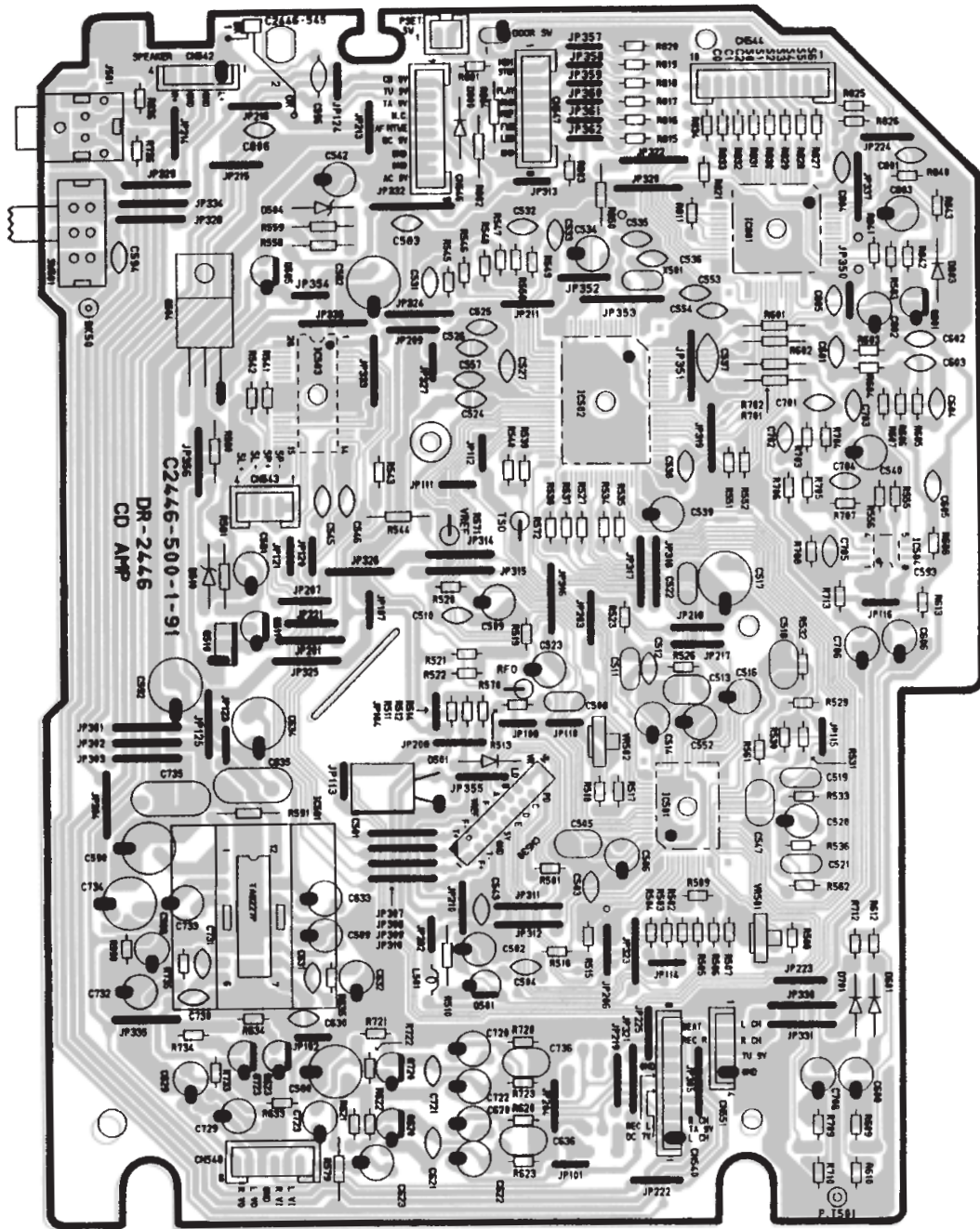


PCB VIEWS

Tuner PCB Top View



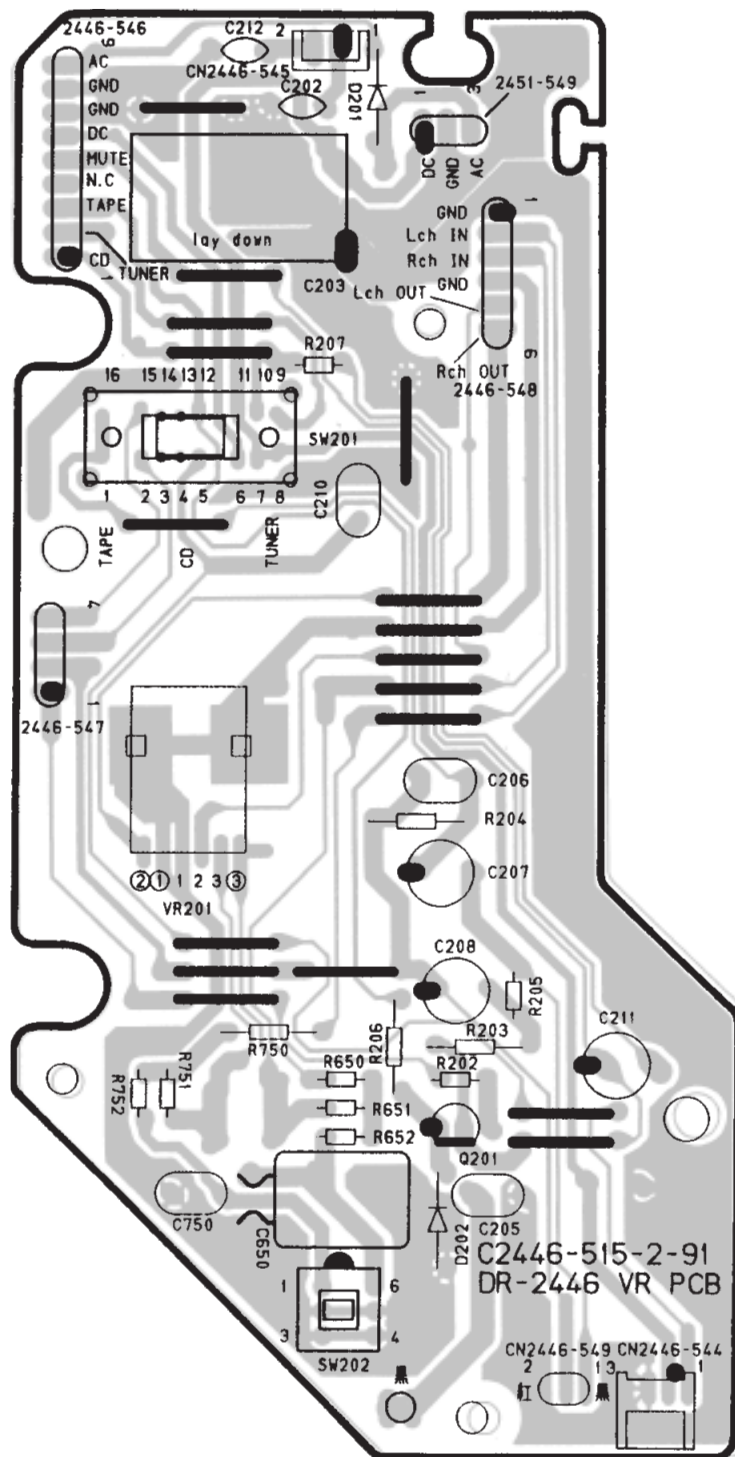
CD AMP PCB Top View



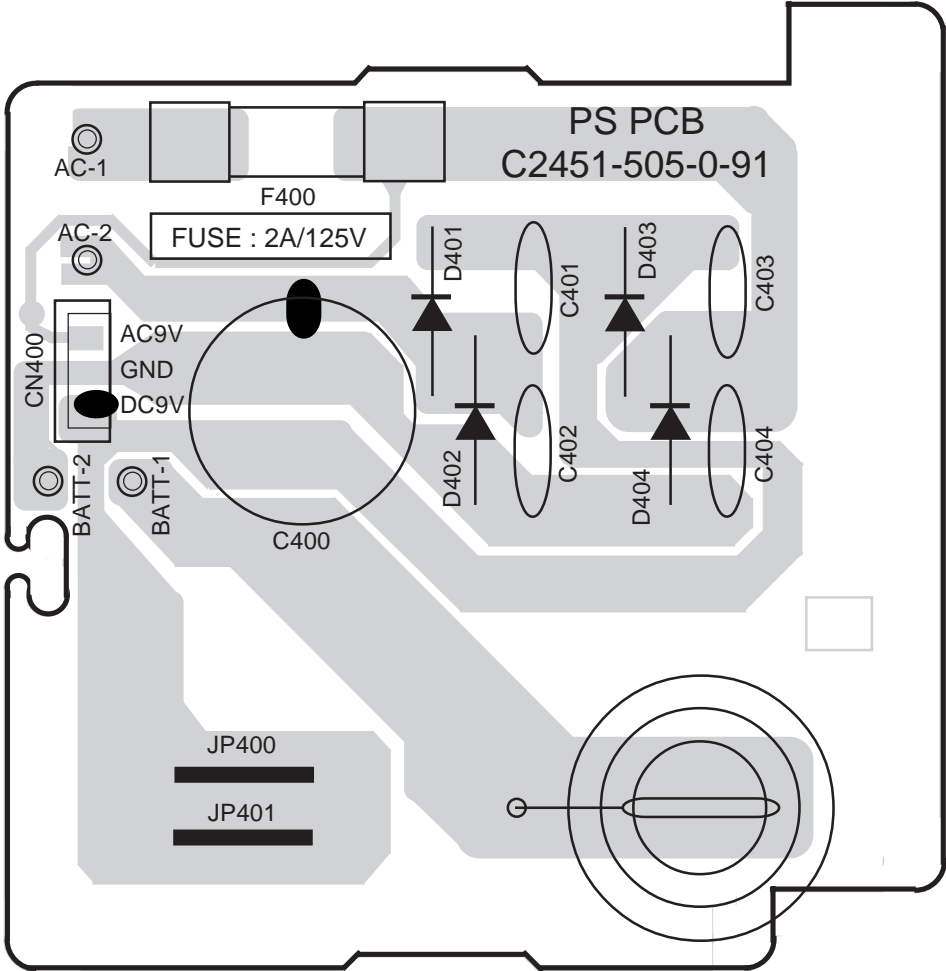
Door Switch PCB Top View



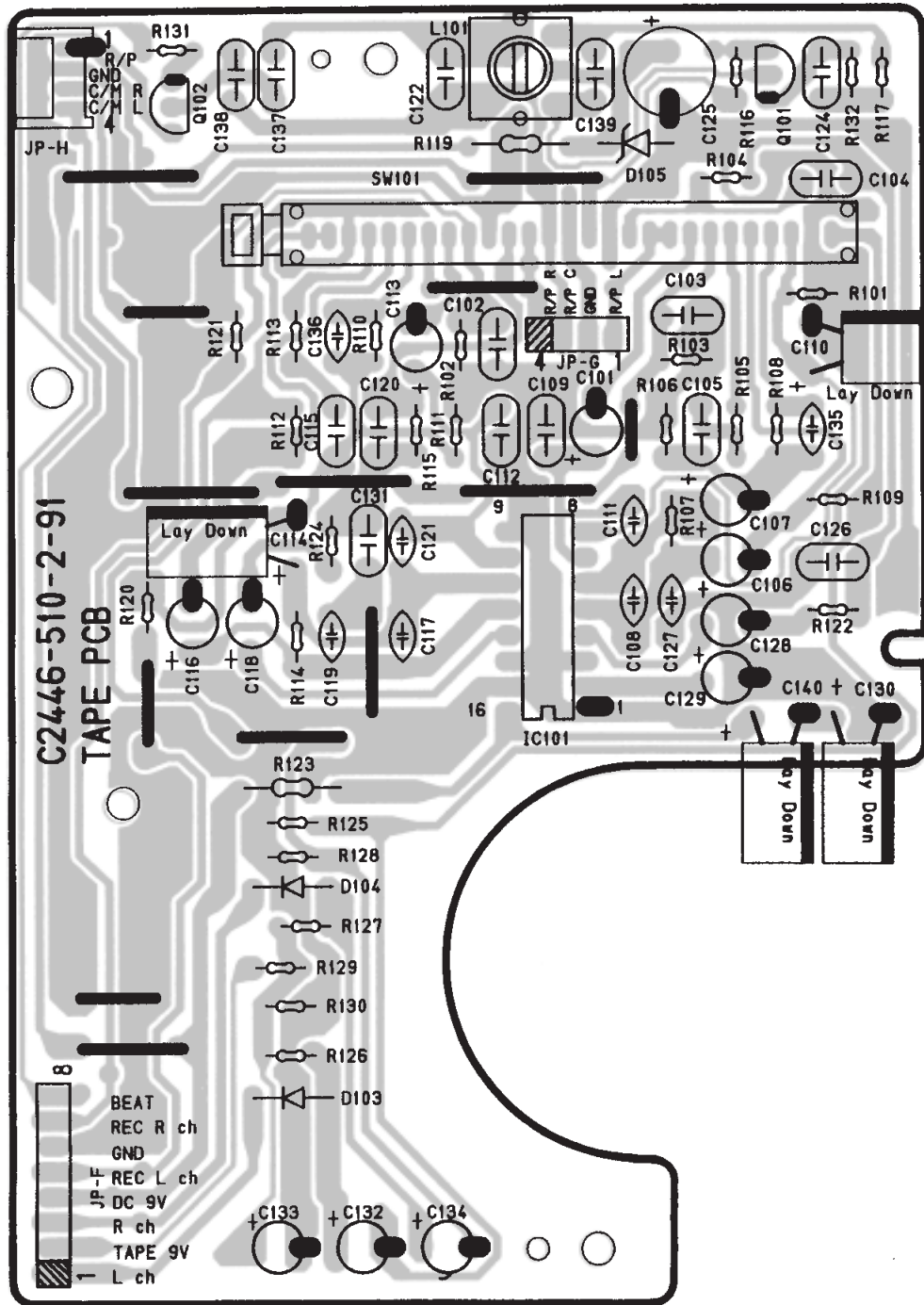
VR PCB Top View



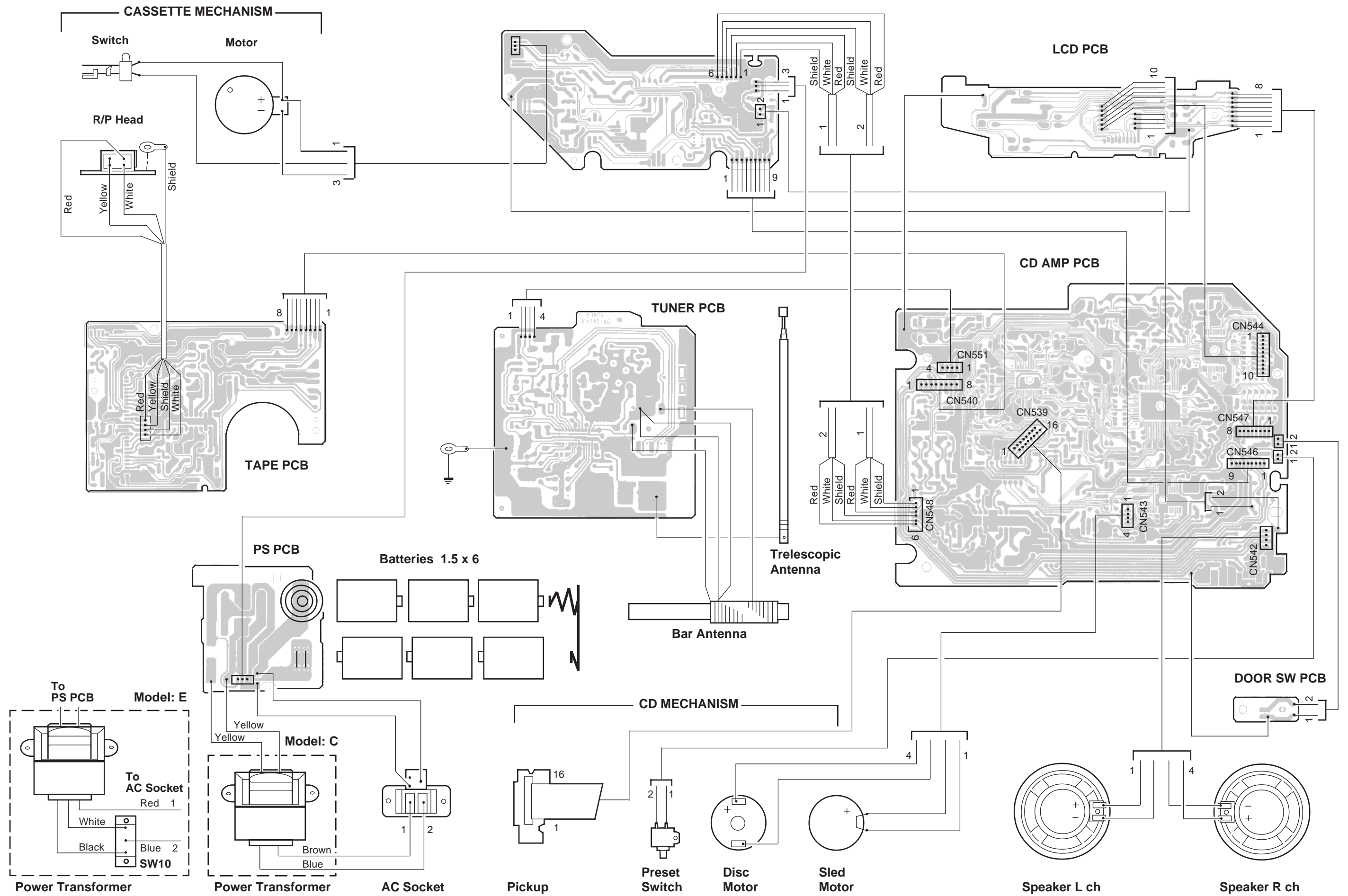
PS PCB Top View



Tape PCB Top View

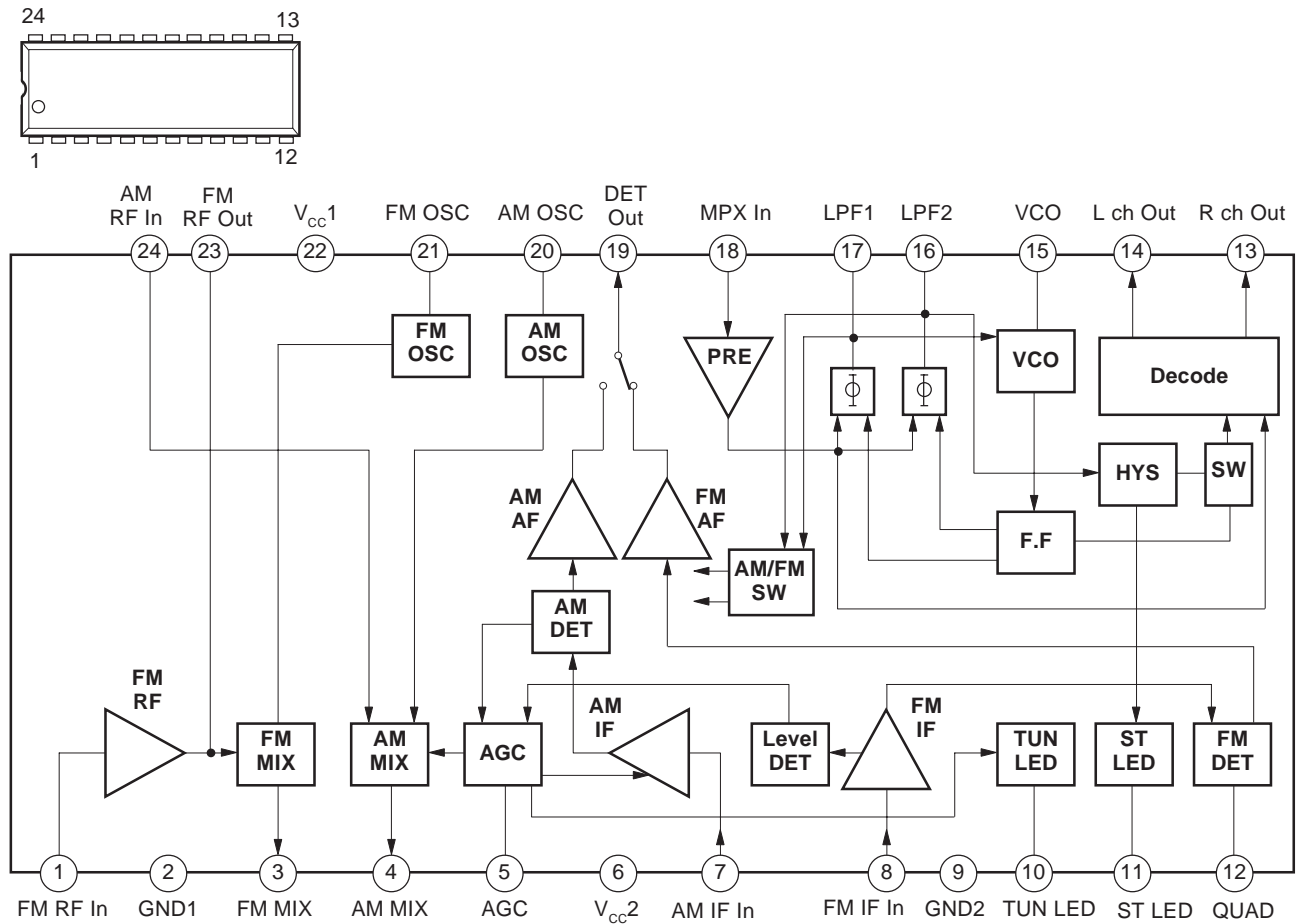


WIRING DIAGRAM

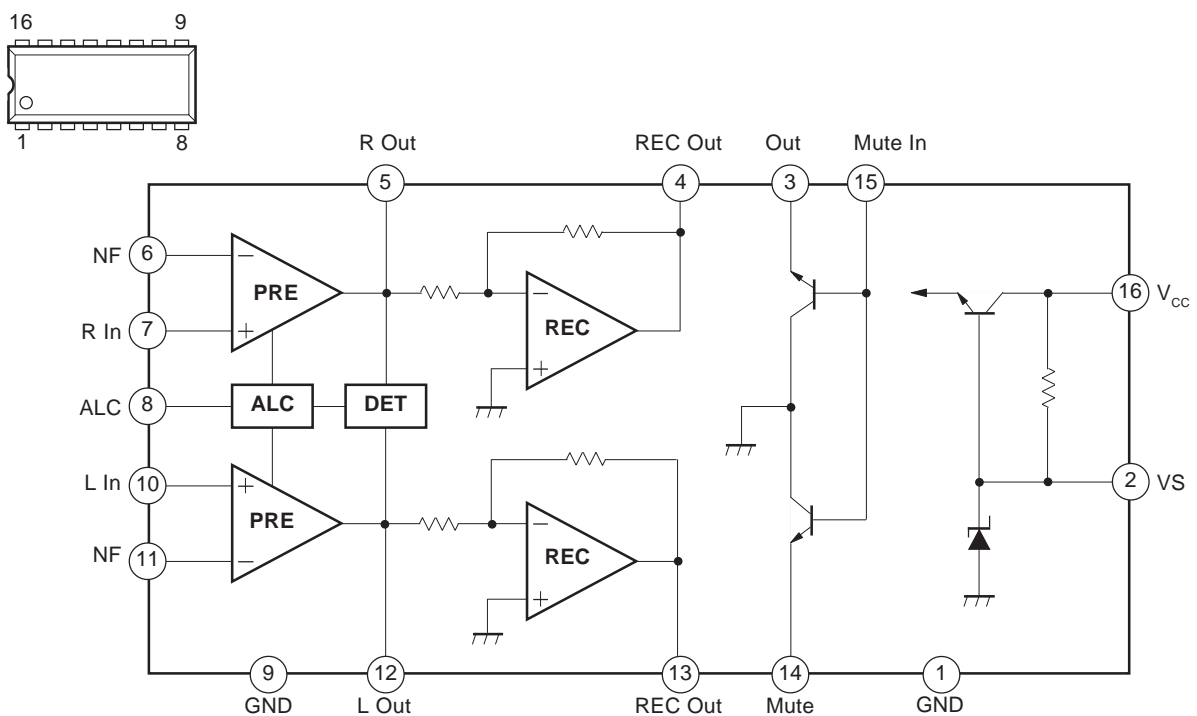


IC LEAD IDENTIFICATION AND INTERNAL DIAGRAMS

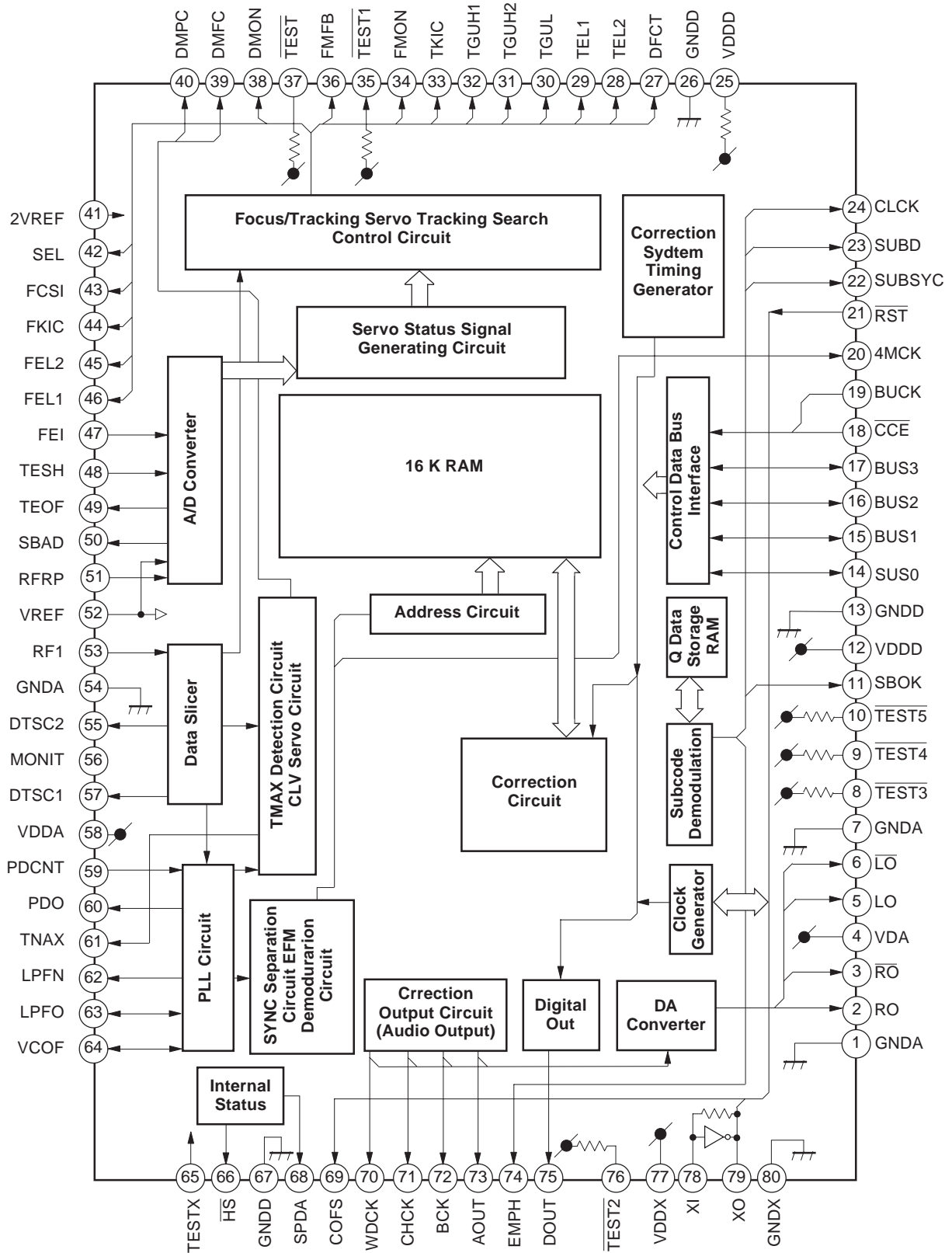
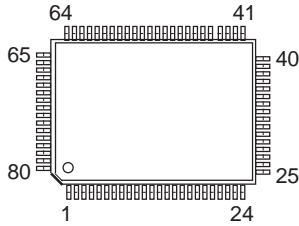
IC3: TA8167N



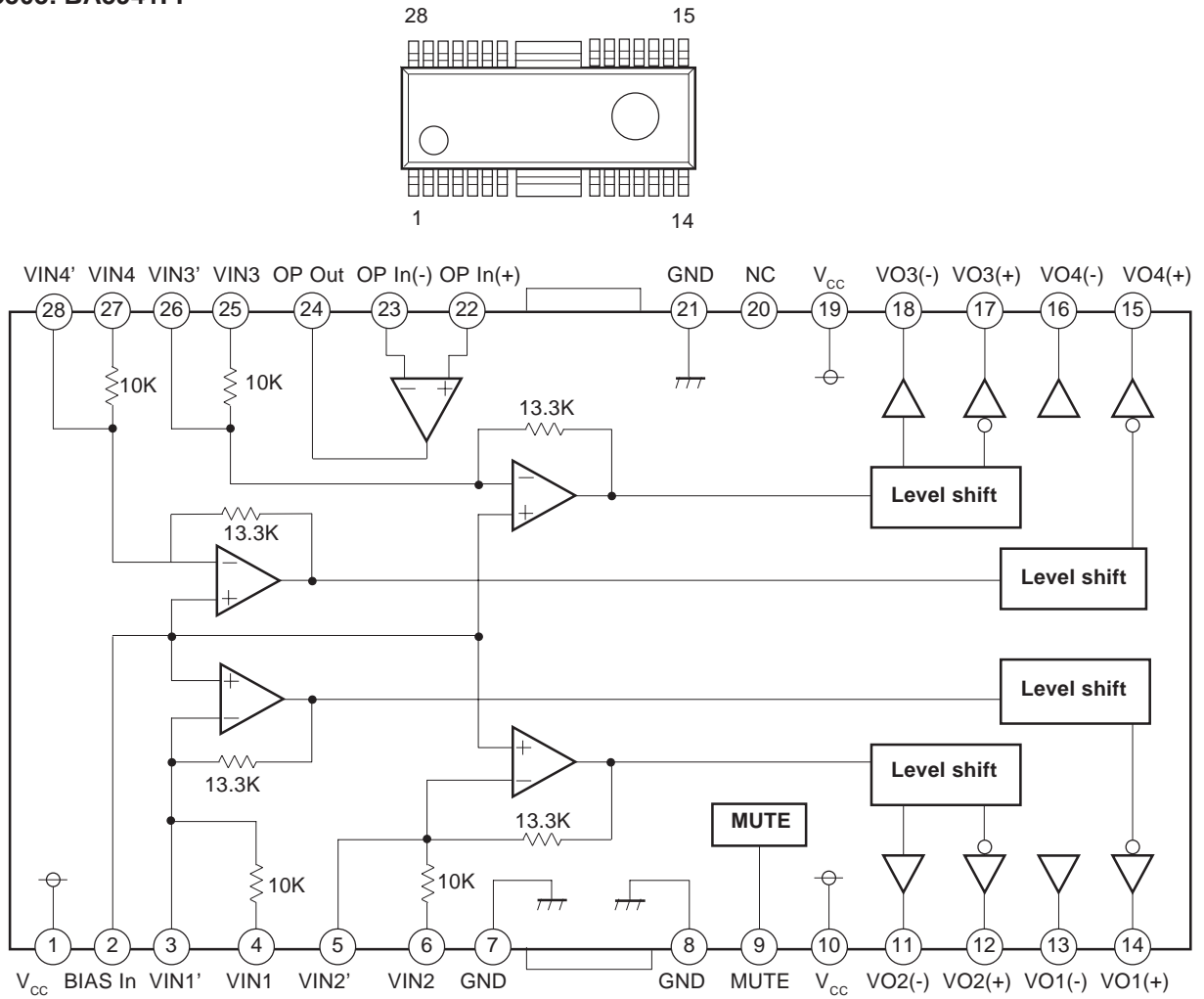
IC101: TA7668BP



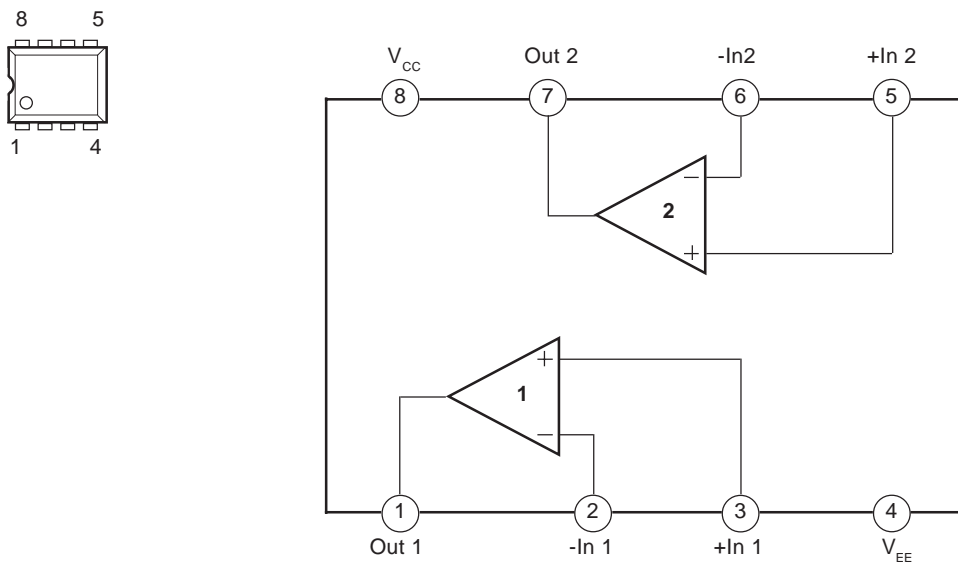
IC502: TC9284BF



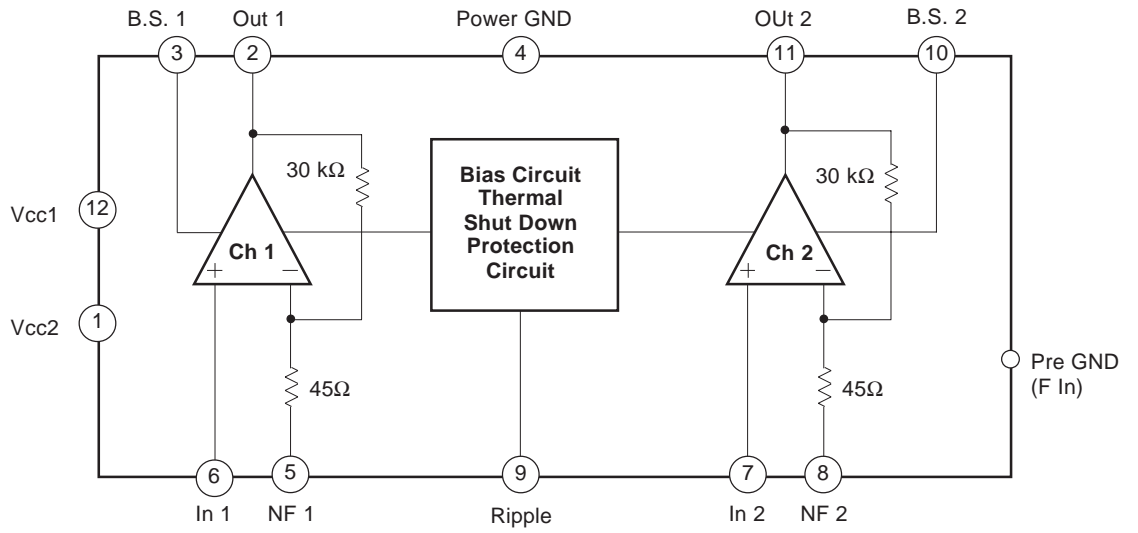
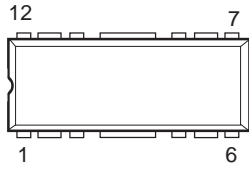
IC503: BA5941FP



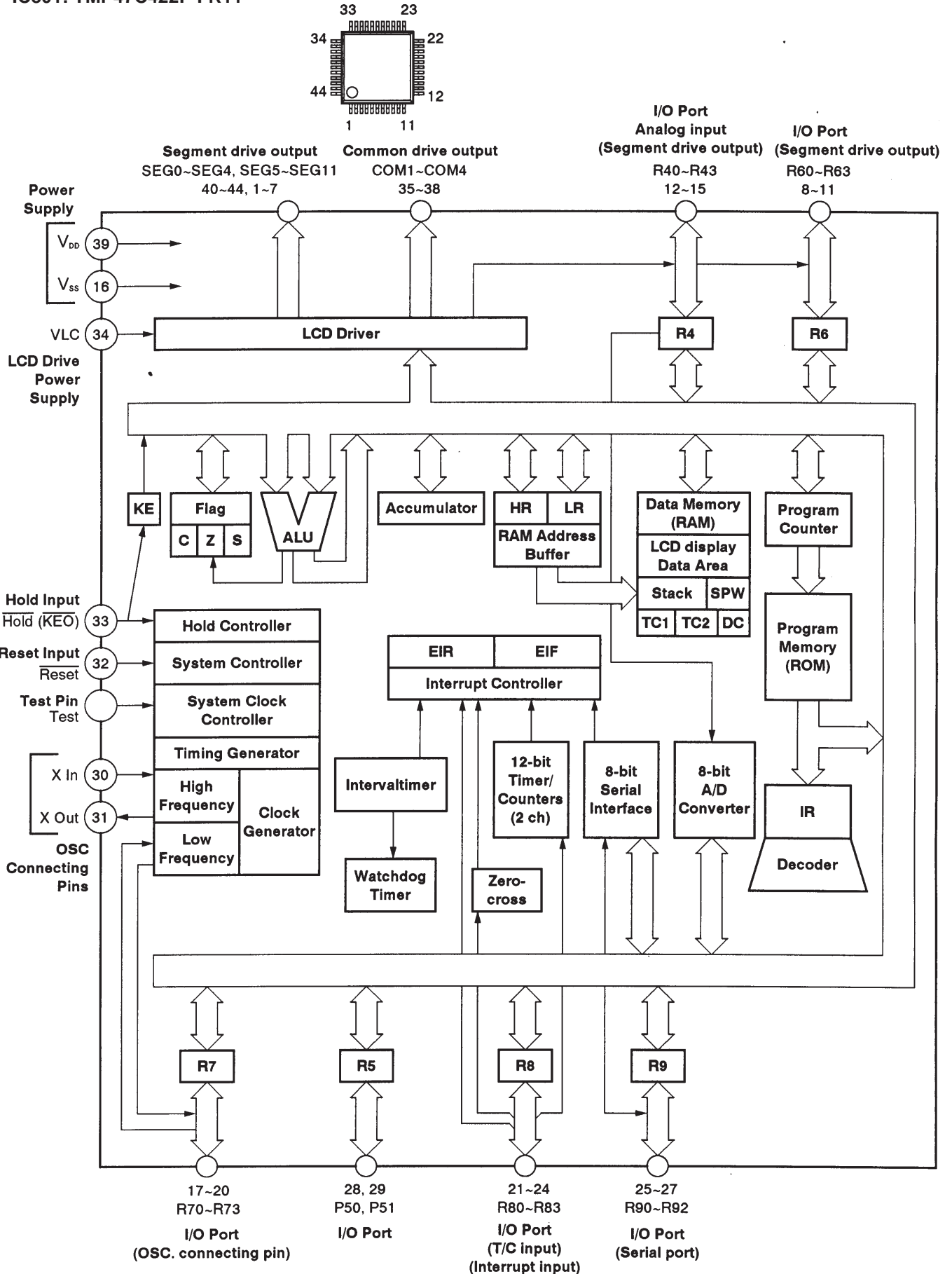
IC504: BA4510F



IC581: TA8227P

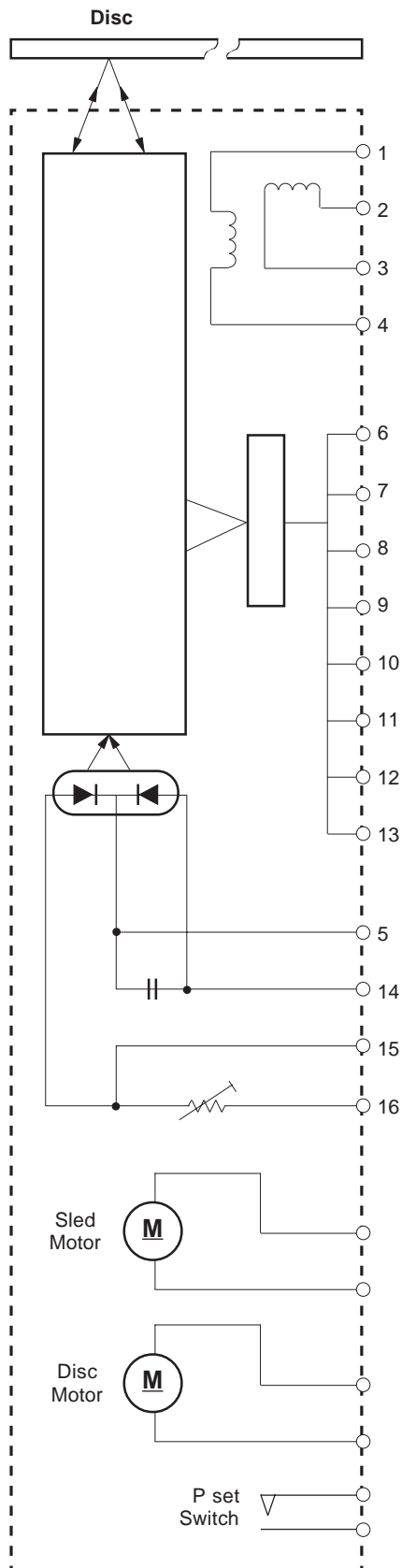


IC801: TMP47C422F-FR11

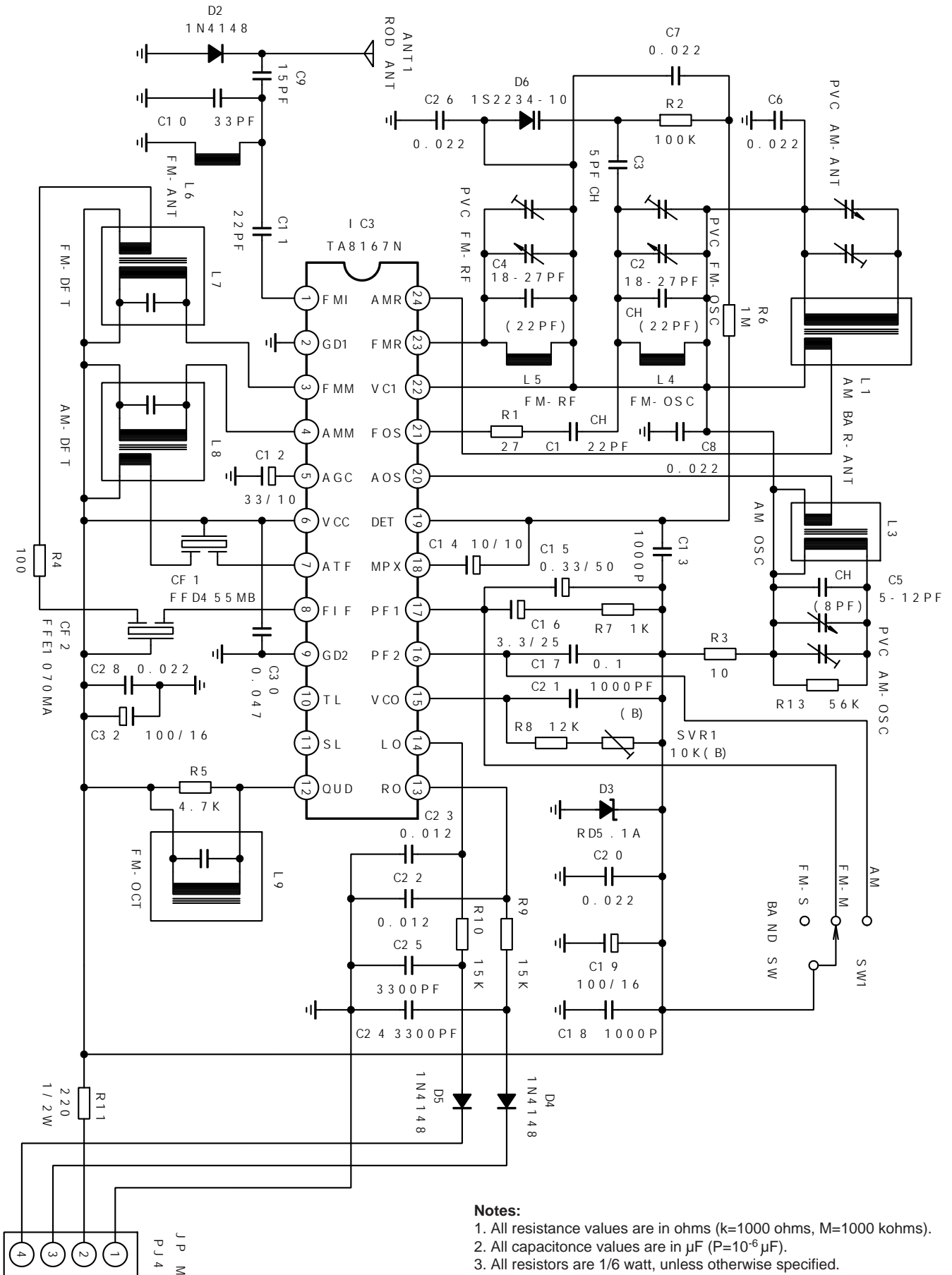


SCHEMATIC DIAGRAMS

CD Mchanism



Tuner

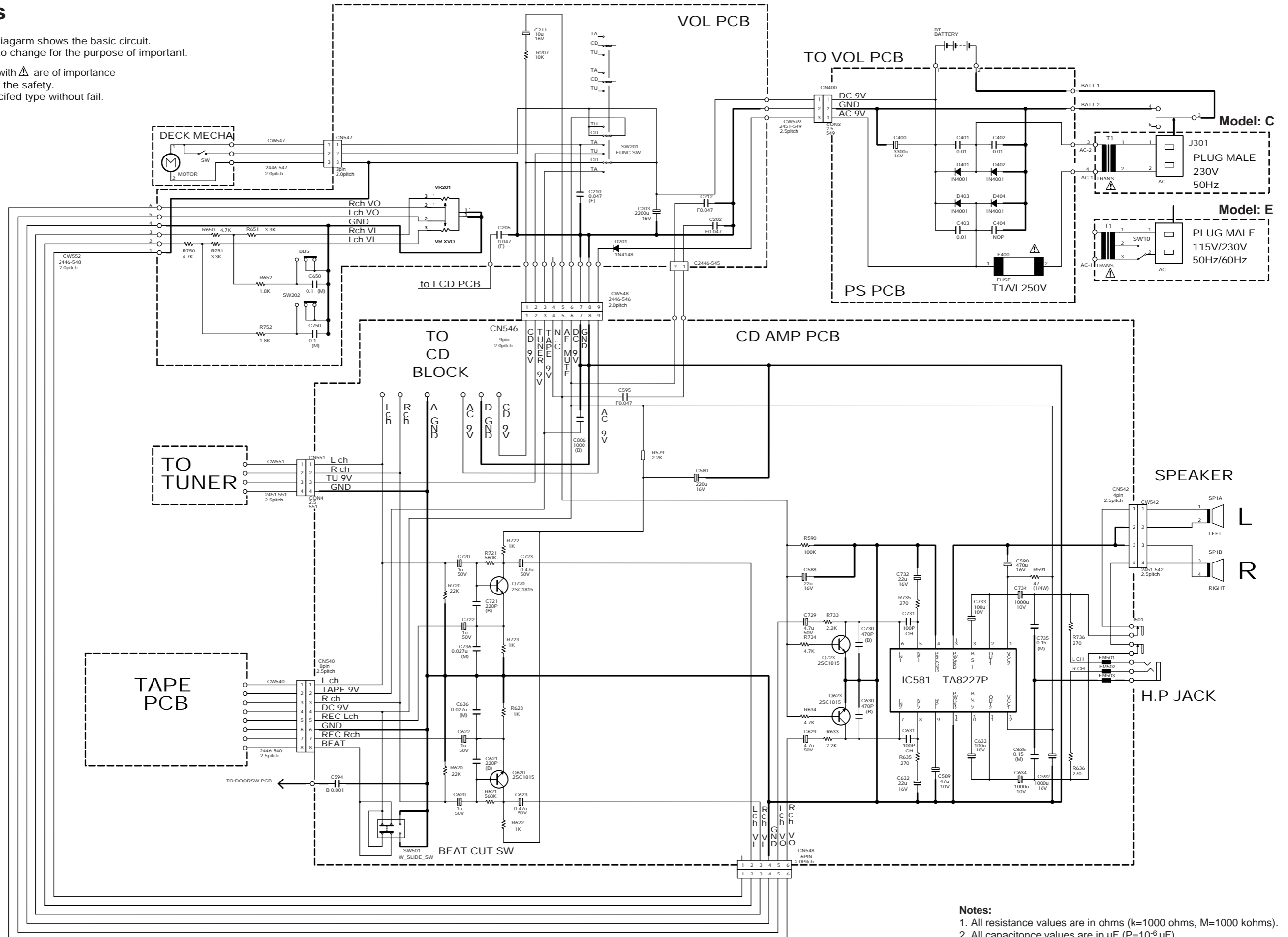


- Notes:**
1. All resistance values are in ohms (k=1000 ohms, M=1000 kohms).
 2. All capacitance values are in μF ($P=10^{-6} \mu\text{F}$).
 3. All resistors are 1/6 watt, unless otherwise specified.

AMP, PS

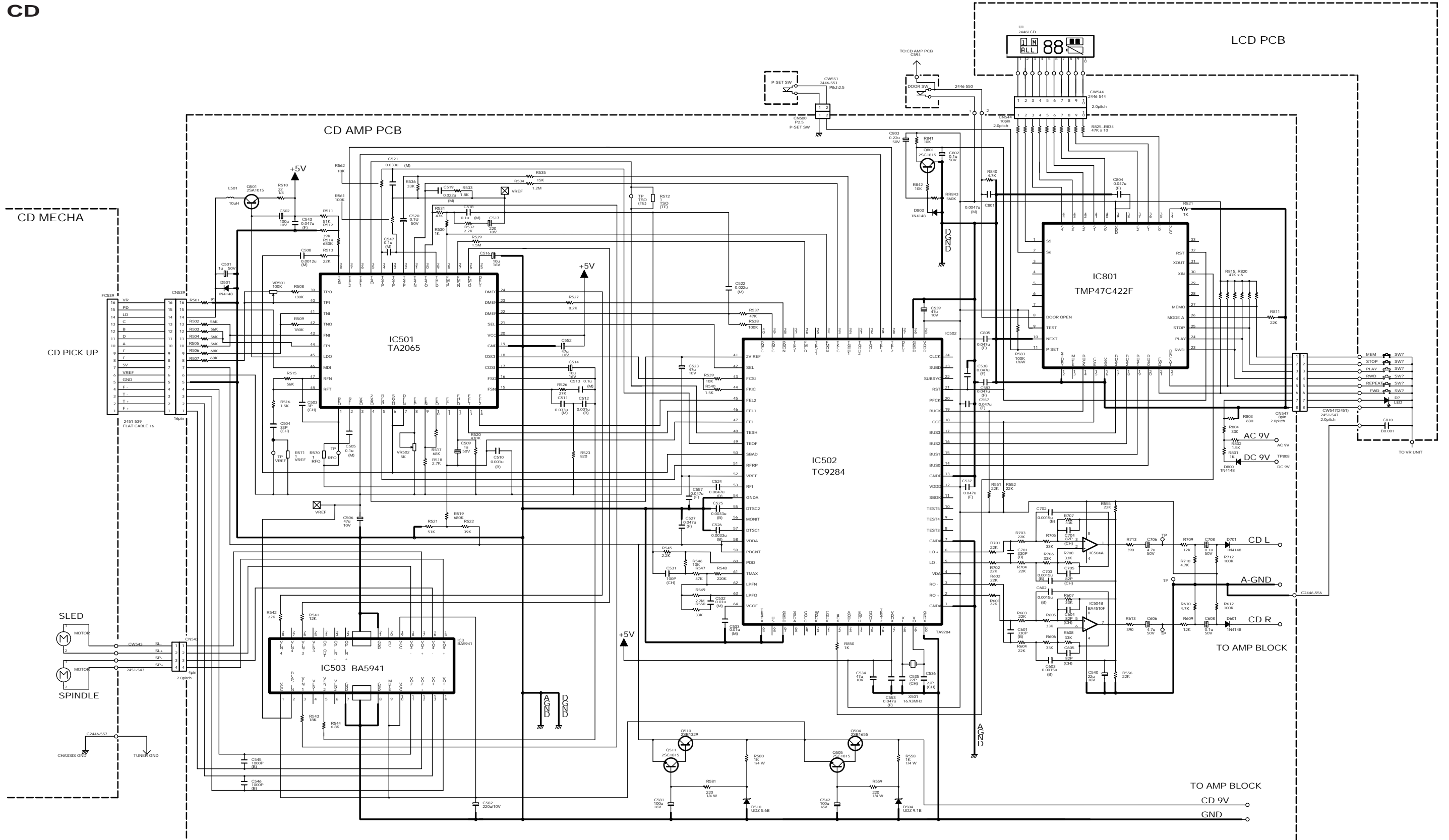
*This circuit diagram shows the basic circuit.
It is subject to change for the purpose of important.

*Parts maker with Δ are of importance
in respect to the safety.
Use the specified type without fail.



- Notes:**
1. All resistance values are in ohms (k=1000 ohms, M=1000 kohms).
 2. All capacitance values are in μF ($P=10^{-6}\mu\text{F}$).
 3. All resistors are 1/6 watt, unless otherwise specified.

CD



Notes:

1. All resistance values are in ohms (k=1000 ohms, M=1000 kohms).
2. All capacitance values are in μF ($P=10^{-6} \mu\text{F}$).
3. All resistors are 1/6 watt, unless otherwise specified.

PARTS LIST

CD-311S

- Notes:
1. Prices and specifications are subject to change without pointer notice.
 2. As for spare parts order and supply, refer to the "GUIDEBOOK for Spare parts Supply", published separately.
 3. The numbers in item column correspond to the same numbers in drawing.

N	Item	Part Code	Part Name	Specification	Q'ty	R
ELECTRICAL PARTS						
CD AMP						
ICs						
	IC 501	2114 4634	IC / TA2065F	0911-187-1-00	1	A
	IC 502	2114 4641	IC / TC9284BF	0911-187-2-00	1	A
N	IC 503	1915 7492	IC / BA5941FP	0911-205-5-00	1	A
	IC 504	1909 5840	IC / BA4510F	0911-166-3-00	1	A
	IC 581	1910 0405	IC / TA8227P	0911-188-5-00	1	A
	IC 801	1910 0334	IC / TMP 47C422F-FR11	0037-354-0-00	1	A
JACK						
	J- 501	1910 0249	JACK / MINI 3.5 EJS-7-1535	0033-516-0-0013	1	C
COIL						
	L- 501	1910 0410	INDUCTOR / LAL02NA100K	C0991-861-0-05	1	C
TRANSISTORS						
	Q- 501	1915 7115	TRANSISTOR / TRP-2SA1015-GR	0906-200-2-55	1	B
	Q- 504	1915 7113	TRANSISTOR / 2SB1655-E	0901-005-6-00	1	B
	Q- 505, 511,620 623,720 723,801 Q- 510	1909 3379 2251 0525	TRANSISTOR / TRP-2SC1815-GR TRANSISTOR / 2SB1329	0906-200-4-55 0901-005-5-00	7 1	B B
SWITCHES						
N	SW 501	1915 7391	SWITCH / SLIDE SK-22F03-G8	C0028-441-0-00	1	C
	SW 502	1909 8266	SWITCH / PUSHUESE11SV1	0028-060-0-00	1	C
VARIABLE RESISTORS						
N	VR 501	1915 7392	POTENTIOMETER / TRIMMER, 100K	C0031-779-1-04	1	C
N	VR 502	1915 7393	POTENTIOMETER / TRIMMER, 5K	C0031-779-5-02	1	C
OSCILLATOR						
	X- 501	1910 0333	RESONER / CERAMIC, FCR16.93M2G	0038-988-0-00	1	C
TAPE UNIT						
IC						
N	IC 101	1915 7363	IC / TA7668BP	0911-201-8-00	1	A
COIL						
N	L- 101	1915 7364	OSC TRANS-10 MT216-1188	C0015-098-0-00	1	C
TRANSISTOR						
	Q- 101,102	1909 3379	TRANSISTOR / TRP-2SC1815-GR	0906-200-4-55	2	B
SWITCH						
N	SW 101	1915 7394	SWITCH / SLIDE PS-92D05S	C0028-429-0-00	1	C
VR UNIT						
SWITCHES						
	SW 201	1910 0340	SWITCH / SLIDE SS-43D01-G10	C0028-427-0-00	1	C
	SW 202	1910 0339	SWITCH / PUSH PS-2201-L	C0028-067-0-00	1	C
VARIABLE RESISTOR						
N	VR 201	1915 7396	50K-B	0031-668-5-03	1	C
TUNER UNIT						
CERAMIC FILTERS						
	CF 001	1910 0319	FILTER / CERAMIC, FFD455MB	C0039-145-0-00	1	C
	CF 002	1910 0320	FILTER / CERAMIC, FFE1070MA	C0039-144-0-00	1	C
IC						
	IC 003	1909 3353	IC / TA8167N	0911-105-3-00	1	A
COILS						
	L- 001	1910 0321	BAR ANTENNA	C0016-302-0-00	1	C
	L- 003	1910 0322	OSC COIL-10 MW (OA-812631)	C0014-126-0-00	1	C

Note : N - New parts
M - Minimum order/supply quantity
R - Rank

N	Item	Part Code	Part Name	Specification	Q'ty	R
	L- 004	1910 0323	COIL W/O CORE (FM,OSC)	0013-150-0-00	1	C
	L- 005	1909 3371	COIL	0013-024-0-00	1	C
	L- 007	1910 0324	FM IFT-10 (F-812630)	C0012-009-0-00	1	C
	L- 008	1910 0325	AM IFT-10 (A-814867)	C0012-339-0-00	1	C
	L- 009	1910 0326	FM IFT-10 (F-812628)	C0012-010-0-00	1	C
SWITCH						
	SW 001	1910 0332	SWITCH / SLIDE SS-43D01-G10	C0028-422-0-00	1	C
VARIABLE CAPACITOR						
	VC 001	1910 0328	VARIABLE CAPACITOR 40-140P	C0030-163-0-00	1	C
VARIABLE RESISTOR						
	VR (SVR) VR VR1 VR 001	1910 0331	POTENTIOMETER / TRIMMER 10K	C0031-777-1-03	4	C
LCD UNIT						
LED						
	D- 301	1910 0416	LED / L-934GD	C0916-036-2-00	1	C
LCD						
N	LD 001	1915 7397	LCD / PANEL E-4441	0040-598-0-0013	1	C
SWITCH						
	SW 203	3412 1890	SWITCH / TACT	C0028-882-0-00	1	C
MECHANICAL PARTS						
N	1	1915 7377	UNIT / CD AMP PCB ASSY	2446-001-0-00	1	B
N	2	1915 7379	UNIT / TAPE PCB ASSY	2446-006-0-00	1	B
N	3	1915 7381	UNIT / VR PCB ASSY	2446-011-0-00	1	B
N	4	1915 7382	UNIT / LCD PCB ASSY	2446-030-0-00	1	B
N	5	1915 7362	UNIT / TUNER PCB ASSY	2446-023-0-00	1	B
N	6	1915 7462	KNOB / CD	C2446-866-0-01	1	C
N	7	1915 7464	KNOB / MODE	C2446-867-0-01	1	C
N	8	1915 7466	KNOB / BBS	C2446-869-0-01	1	C
N	9	1915 7470	COVER / BATTERY	C2451-808-0-03	1	C
N	10	1915 7473	KNOB / TUNING	C2451-873-0-03	1	C
N	11	1915 7475	KNOB / VOLUME	C2451-874-0-03	1	C
N	12	1915 7477	KNOB / SELECT	C2451-875-0-03	2	C
N	13	1915 7410	UNIT/TAPE MECHA SET, TK20FX-V644-001	2446-100-0-00	1	B
N	13-1	1915 7398	BUTTON / REC	C2446-860-0-01	1	C
N	13-2	1915 7400	BUTTON / PLAY	C2446-861-0-01	1	C
N	13-3	1915 7402	BUTTON / REW	C2446-862-0-01	1	C
N	13-4	1915 7404	BUTTON / FF	C2446-863-0-01	1	C
N	13-5	1915 7406	BUTTON / STOP	C2446-864-0-01	1	C
N	13-6	1915 7408	BUTTON / PAUSE	C2446-865-0-01	1	C
N	14	1915 7384	UNIT / CASE	2446-080-0-01	1	B
N	14-1	1915 7412	SPRING / CASS DOOR	C2446-400-0-00	1	X
N	14-2	1915 7416	CASSETTE LID	C2446-805-0-01	1	X
N	14-3	1915 7418	COVER / CASSETTE LID	C2446-806-0-01	1	X
N	14-4	1915 7420	NET / SPEAKER (L)	C2446-818-0-01	1	X
N	14-5	1915 7422	NET / SPEAKER (R)	C2446-819-0-01	1	X
N	14-6	1915 7424	WINDOW / CASSETTE	C2446-830-0-01	1	X
N	14-7	1915 7427	SPEAKER / D77-4	0023-278-0-0013	2	C
N	14-8	6924 6290	HOLDER / DAMPER	C2431-277-0-00	1	X
N	15	1915 7361	UNIT / TOP CASE	2446-086-0-03	1	B
N	15-1	1915 7371	CASE / TOP	C2446-811-0-03	1	C
N	15-2	1915 7368	DIAL WINDOW	C2446-831-0-03	1	X

Note : N - New parts
M - Minimum order/supply quantity
R - Rank

N	Item	Patrt Code	Part Name	Specification	Q'ty	R
N	15-3	1915 7369	DISPLAY WINDOW	C2446-832-0-02	1	X
N	15-5	1915 7435	LEVER / LOCK	C2446-870-0-00	1	C
N	15-6	1915 7438	SPRING / CD DOOR	C2451-401-1-00	1	X
N	15-7	1915 7367	CD DOOR	C2451-807-0-07	1	X
	15-8	6924 3300	GEAR	2431-274-0-00	1	X
N	16	1915 7444	UNIT/TAPE MECHA SET, DA-2596-152	2596-152-0-00	1	B
	17	1910 0240	ANTENNA / TELESCOPIC, YH830206	C0046-121-0-00	1	B
N	18	1915 7445	HANDLE	C2451-811-0-03	1	C
N	19	1915 7448	CASE / B (Model-C)	C2451-814-0-03	1	C
N	19	1915 7372	CASE / B (Model-E)	C2451-815-0-01	1	C
	J- 301	1910 0361	AC SOCKET PSE27	C0033-057-0-00	1	X
N	T- 001	1915 7373	POWER TRANS / 115/230 CT1203 (Model-E)	C0019-923-0-00	1	C
N	T- 001	1915 7374	POWER TRANS / CT-1200VT (Model-C)	C0019-465-0-00	1	C

CD MECHANICAL PARTS

	16-1	1015 0903	LASER PICK UP / SPU3201	0020-016-0-0001	1	B
N	16-2	1915 7452	MOTOR / MCR3B	0022-105-0-0013	1	C
N	16-3	1915 7453	MOTOR / BCH3B	0022-106-0-0013	1	C
N	16-4	1915 7454	CENTER TABLE	2516-271-1-00	1	X
	16-5	1909 8291	SPRING / COM	2595-400-1-00	1	X
N	16-6	1915 7455	GEAR / MOTOR	2596-260-0-00	1	X
	16-7	6925 0850	GEAR A	2596-261-0-00	1	X
N	16-8	1915 7456	SUB RACK	2596-263-1-00	1	X
N	16-9	1915 7457	TURN TABLE	2596-270-0-00	1	X
N	16-10	1915 7458	KNOB	2596-272-0-00	1	X
N	16-11	1915 7459	SPRING / COM	2596-401-0-00	1	X
N	16-12	1915 7460	CAP	2596-264-1-00	1	X
	16-13	1910 0200	GEAR C	2596-265-1-00	1	X
	16-14	1910 0201	GEAR D	2596-266-1-00	1	X
N	16-15	1915 7461	SPRING / COM	2596-402-1-00	1	X
	16-16	1909 8278	MICRO SWITCH / SW-110	0036-819-0-00	1	X

ACCESSARY

		1910 0366	AC CORD WITH PLUG	C0047-431-0-00	1	X
		1909 5615	PLUG / CONVERSION	0032-007-0-00	1	X

Note : N - New parts
M - Minimum order/supply quantity
R - Rank

Capacitors and resistors can not be supplied, because they will be available in your country.

CAPACITOR

Item	Specification				Q'ty	Item	Specification				Q'ty
C1	Ceramic	50V	22 PF	±5%	1	C129	Electrolytic	16V	47µF	±20%	1
C2	Ceramic	50V	25 PF	±5%	1	C130	Electrolytic	16V	100 µF	±20%	1
C3	Ceramic	50V	5 PF	±0.25 PF	1	C131	Plastic film	50V	0.01 µF	±10%	1
C4	Ceramic	50V	22 PF	±5%	1	C132	Electrolytic	50V	1 µF	±20%	1
C5	Ceramic	50V	8 PF	±0.5 PF	1	C133	Electrolytic	16V	10 µF	±20%	1
C6	Ceramic	50V	0.022 µF	±10%	1	C134	Electrolytic	50V	1 µF	±20%	1
C7	Ceramic	50V	0.022 µF	±10%	1	C135	Ceramic	50V	47 PF	±5%	1
C8	Ceramic	50V	0.022 µF	±10%	1	C136	Ceramic	50V	47 PF	±5%	1
C9	Ceramic	50V	15 PF	±5%	1	C137	Plastic film	100V	8200 PF	±5%	1
C10	Ceramic	50V	33 PF	±5%	1	C138	Plastic film	100V	2200 PF	±5%	1
C11	Ceramic	50V	22 PF	±5%	1	C139	Plastic film	50V	0.027µF	±10%	1
C12	Electrolytic	10V	33 µF	±20%	1	C140	Electrolytic	16V	100 µF	±20%	1
C13	Ceramic	50V	1000 PF	±10%	1	C202	Ceramic	50V	0.047 µF +80/-20%	1	
C14	Electrolytic	10V	10 µF	±20%	1	C203	Electrolytic	16V	2200 PF	±20%	1
C15	Electrolytic	50V	0.33 µF	±20%	1	C205	Ceramic	50V	0.047 µF +80/-20%	1	
C16	Electrolytic	25V	3.3 µF	±20%	1	C210	Ceramic	50V	0.047 µF +80/-20%	1	
C17	Ceramic	50V	0.1 µF	±10%	1	C211	Electrolytic	16V	10 µF	±20%	1
C18	Ceramic	50V	1000 PF	±10%	1	C212	Ceramic	50V	0.047 µF +80/-20%	1	
C19	Electrolytic	16V	100 µF	±20%	1	C400	Electrolytic	16V	3300 µF	±20%	1
C20	Ceramic	50V	0.022 µF	±10%	1	C401	Ceramic	50V	0.01 µF +80/-20%	1	
C21	Plastic film	50V	1000 PF	±5%	1	C402	Ceramic	50V	0.01 µF +80/-20%	1	
C22	Ceramic	50V	0.012 µF	±10%	1	C403	Ceramic	50V	0.01 µF +80/-20%	1	
C23	Ceramic	50V	0.012 µF	±10%	1	C501	Electrolytic	50V	1 µF	±20%	1
C24	Ceramic	50V	3300 PF	±20%	1	C502	Electrolytic	10V	100 µF	±20%	1
C25	Ceramic	50V	3300 PF	±20%	1	C503	Ceramic	50V	3 PF ±0.025PF	1	
C26	Ceramic	50V	0.022 µF	±10%	1	C504	Ceramic	50V	33 PF	±5%	1
C28	Ceramic	50V	0.022 µF	±10%	1	C505	Plastic film	50V	0.1 µF	±10%	1
C30	Ceramic	50V	0.047 µF	±10%	1	C506	Electrolytic	10V	47 µF	±20%	1
C32	Electrolytic	16V	100 µF	±20%	1	C508	Plastic film	50V	1200 PF	±10%	1
C101	Electrolytic	50V	4.7 µF	±20%	1	C509	Electrolytic	50V	1 µF	±20%	1
C102	Plastic film	50V	0.01 µF	±10%	1	C510	Ceramic	50V	1000 PF	±10%	1
C103	Plastic film	50V	0.01 µF	±10%	1	C511	Plastic film	50V	0.033 µF	±10%	1
C104	Plastic film	50V	2700 PF	±10%	1	C512	Ceramic	50V	1000 PF	±10%	1
C105	Plastic film	50V	0.01 µF	±10%	1	C513	Plastic film	50V	0.1 µF	±10%	1
C106	Electrolytic	50V	1 µF	±20%	1	C514	Electrolytic	16V	10 µF	±20%	1
C107	Electrolytic	16V	22 µF	±20%	1	C516	Electrolytic	16V	10 µF	±20%	1
C108	Ceramic	50V	10 PF	±5%	1	C517	Electrolytic	10V	220 µF	±20%	1
C109	Plastic film	50V	2200 PF	±10%	1	C518	Plastic film	50V	0.1 µF	±10%	1
C110	Electrolytic	16V	47 µF	±20%	1	C519	Plastic film	50V	0.022 µF	±10%	1
C111	Ceramic	50V	220 PF	±10%	1	C520	Electrolytic	50V	0.1 µF	±20%	1
C112	Plastic film	50V	2200 PF	±10%	1	C521	Plastic film	50V	0.033 µF	±10%	1
C113	Electrolytic	50V	4.7 µF	±20%	1	C522	Plastic film	50V	0.022 µF	±10%	1
C114	Electrolytic	16V	22 µF	±20%	1	C523	Electrolytic	10V	47 µF	±20%	1
C115	Plastic film	50V	0.01µF	±10%	1	C524	Plastic film	50V	4700 PF	±10%	1
C116	Electrolytic	50V	1 µF	±20%	1	C525	Ceramic	50V	3300 PF	±20%	1
C117	Ceramic	50V	10PF	±5%	1	C526	Ceramic	50V	3300 PF	±20%	1
C118	Electrolytic	50V	1 µF	±20%	1	C527	Ceramic	50V	0.047 µF +80/-20%	1	
C119	Ceramic	50V	4700 PF	±10%	1	C531	Ceramic	50V	100 PF	±5%	1
C120	Plastic film	50V	2700 PF	±10%	1	C532	Plastic film	50V	0.01 µF	±10%	1
C121	Ceramic	50V	220 PF	±10%	1	C533	Plastic film	50V	0.01 µF	±10%	1
C122	Plastic film	100V	2200 PF	±5%	1	C534	Electrolytic	10V	47 µF	±20%	1
C124	Plastic film	50V	0.01 µF	±10%	1	C535	Ceramic	50V	22 PF	±5%	1
C125	Electrolytic	16V	220 µF	±20%	1	C536	Ceramic	50V	22 PF	±5%	1
C126	Plastic film	50V	0.01 PF	±10%	1	C537	Ceramic	50V	0.047 µF +80/-20%	1	
C127	Ceramic	50V	4700 PF	±10%	1	C538	Ceramic	50V	0.047 µF +80/-20%	1	
C128	Electrolytic	50V	1 µF	±20%	1	C539	Electrolytic	10V	47 µF	±20%	1

Item	Specification				Q'ty
C540	Electrolytic	16V	22 μ F	$\pm 20\%$	1
C542	Electrolytic	16V	100 μ F	$\pm 20\%$	1
C543	Ceramic	50V	0.047 μ F	+80/-20%	1
C545	Ceramic	50V	1000 PF	$\pm 10\%$	1
C546	Ceramic	50V	1000 PF	$\pm 10\%$	1
C547	Plastic film	50V	0.1 μ F	$\pm 10\%$	1
C552	Electrolytic	10V	47 μ F	$\pm 20\%$	1
C553	Ceramic	50V	0.047 μ F	+80/-20%	1
C554	Ceramic	50V	0.047 μ F	+80/-20%	1
C557	Ceramic	50V	0.047 μ F	+80/-20%	1
C580	Electrolytic	16V	220 μ F	$\pm 20\%$	1
C581	Electrolytic	16V	100 μ F	$\pm 20\%$	1
C582	Electrolytic	10V	220 μ F	$\pm 20\%$	1
C583	Ceramic	50V	0.047 μ F	+80/-20%	1
C588	Electrolytic	16V	22 μ F	$\pm 20\%$	1
C589	Electrolytic	10V	47 μ F	$\pm 20\%$	1
C590	Electrolytic	16V	470 μ F	$\pm 20\%$	1
C592	Electrolytic	16V	1000 μ F	$\pm 20\%$	1
C594	Ceramic	50V	1000 PF	$\pm 10\%$	1
C595	Ceramic	50V	0.047 μ F	+80/-20%	1
C601	Ceramic	50V	330 PF	$\pm 10\%$	1
C602	Ceramic	50V	1500 PF	$\pm 10\%$	1
C603	Ceramic	50V	1500 PF	$\pm 10\%$	1
C604	Ceramic	50V	82 PF	$\pm 5\%$	1
C605	Ceramic	50V	82 PF	$\pm 5\%$	1
C606	Electrolytic	50V	4.7 μ F	$\pm 20\%$	1
C608	Electrolytic	50V	0.1 μ F	$\pm 20\%$	1
C620	Electrolytic	50V	1 μ F	$\pm 20\%$	1
C621	Ceramic	50V	220 PF	$\pm 10\%$	1
C622	Electrolytic	50V	1 μ F	$\pm 20\%$	1
C623	Electrolytic	50V	0.47 μ F	$\pm 20\%$	1
C629	Electrolytic	50V	4.7 μ F	$\pm 20\%$	1
C630	Ceramic	50V	470PF	$\pm 10\%$	1
C631	Ceramic	50V	100 PF	$\pm 5\%$	1
C632	Electrolytic	16V	22 μ F	$\pm 20\%$	1
C633	Electrolytic	10V	100 μ F	$\pm 20\%$	1
C634	Electrolytic	10V	1000 μ F	$\pm 20\%$	1
C635	Plastic film	50V	0.15 μ F	$\pm 5\%$	1
C636	Plastic film	50V	0.027 μ F	$\pm 10\%$	1
C650	Plastic film	50V	0.1 μ F	$\pm 10\%$	1
C701	Ceramic	50V	330 PF	$\pm 10\%$	1
C702	Ceramic	50V	1500 PF	$\pm 10\%$	1
C703	Ceramic	50V	1500 PF	$\pm 10\%$	1
C704	Ceramic	50V	82 PF	$\pm 5\%$	1
C705	Ceramic	50V	82 PF	$\pm 5\%$	1
C706	Electrolytic	50V	4.7 μ F	$\pm 20\%$	1
C708	Electrolytic	50V	0.1 μ F	$\pm 20\%$	1
C720	Electrolytic	50V	1 μ F	$\pm 20\%$	1
C721	Ceramic	50V	220 PF	$\pm 10\%$	1
C722	Electrolytic	50V	1 μ F	$\pm 20\%$	1
C723	Electrolytic	50V	0.47 μ F	$\pm 20\%$	1
C729	Electrolytic	50V	4.7 μ F	$\pm 20\%$	1
C730	Ceramic	50V	470 PF	$\pm 10\%$	1
C731	Ceramic	50V	100 PF	$\pm 5\%$	1
C732	Electrolytic	16V	22 μ F	$\pm 20\%$	1
C733	Electrolytic	10V	100 μ F	$\pm 20\%$	1
C734	Electrolytic	10V	1000 μ F	$\pm 20\%$	1
C735	Plastic film	50V	0.15 μ F	$\pm 5\%$	1
C726	Plastic film	50V	0.027 μ F	$\pm 10\%$	1

Item	Specification				Q'ty
C750	Plastic film	50V	0.1 μ F	$\pm 10\%$	1
C801	Plastic film	50V	4700 PF	$\pm 10\%$	1
C802	Electrolytic	50V	0.1 μ F	$\pm 20\%$	1
C803	Electrolytic	50V	0.22 μ F	$\pm 20\%$	1
C804	Ceramic	50V	0.047 μ F	+80/-20%	1
C805	Ceramic	50V	0.047 μ F	+80/-20%	1
C806	Ceramic	50V	1000 PF	$\pm 10\%$	1
C810	Ceramic	50V	1000 PF	$\pm 10\%$	1

RESISTOR

All resistors are carbon film type, 1/6watts, $\pm 5\%$ unless otherwise specified.

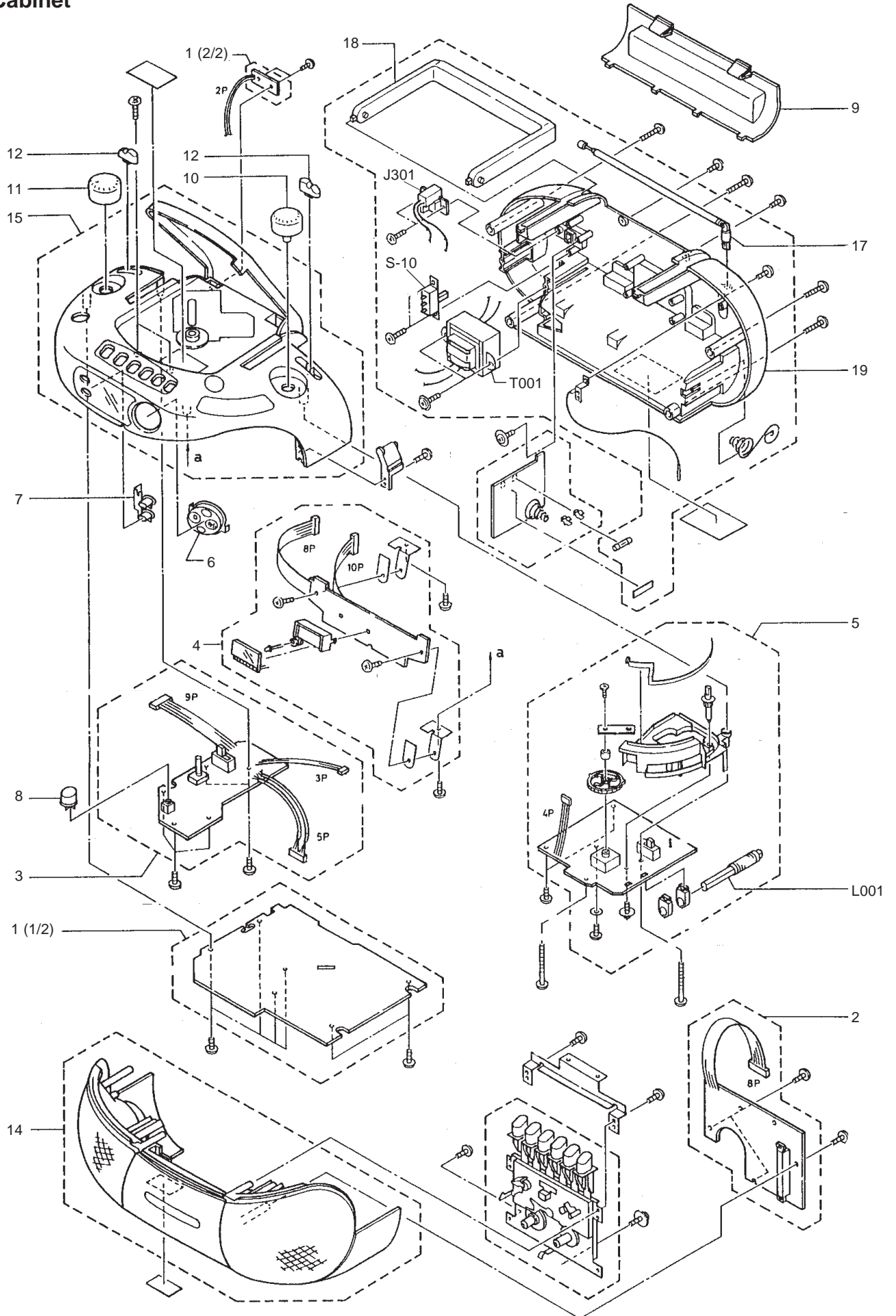
Item	Specification		Q'ty
R1	27 Ω	1/4W	1
R2	100K Ω	1/4W	1
R3	10 Ω	1/4W	1
R4	100 Ω	1/4W	1
R5	4.7K Ω	1/4W	1
R6	1M Ω	1/4W	1
R7	1K Ω	1/4W	1
R8	12K Ω	1/4W	1
R9	15K Ω	1/4W	1
R10	15K Ω	1/4W	1
R11	220 Ω	1/2W	1
R13	56K Ω	1/4W	1
R101	220K Ω		1
R102	1K Ω		1
R103	1K Ω		1
R104	20K Ω		1
R105	10K Ω		1
R106	82 Ω		1
R107	120K Ω		1
R108	68K Ω		1
R109	6.8K Ω		1
R110	68K Ω		1
R111	82 Ω		1
R112	6.8K Ω		1
R113	10K Ω		1
R114	120K Ω		1
R115	20K Ω		1
R116	8.2K Ω		1
R117	100 Ω		1
R119	220 Ω	1/4W	1
R120	220K Ω		1
R121	220K Ω		1
R122	1K Ω		1
R123	100 Ω	1/4W	1
R124	1K Ω		1
R125	47K Ω		1
R126	100K Ω		1
R127	100K Ω		1
R128	47K Ω		1
R129	10K Ω		1
R130	4.7K Ω		1
R131	4.7K Ω		1
R132	10K Ω		1
R207	10K Ω		1
R501	91 Ω		1

Item	Specification	Q'ty
R502~	56KΩ	4
R505		
R506	68KΩ	1
R507	68KΩ	1
R508	130KΩ	1
R509	180KΩ	1
R510	22Ω 1/4W	1
R511	51KΩ	1
R512	39KΩ	1
R513	22KΩ	1
R514	680KΩ	1
R515	56KΩ	1
R516	1.5KΩ	1
R517	68KΩ	1
R518	2.7KΩ	1
R519	680KΩ	1
R520	470KΩ	1
R521	51KΩ	1
R522	39KΩ	1
R523	820Ω	1
R526	27KΩ	1
R527	8.2KΩ	1
R529	1.5MΩ	1
R530	1KΩ	1
R531	4.7KΩ	1
R532	2.2KΩ	1
R533	1.8KΩ	1
R534	1.2MΩ	1
R535	15KΩ	1
R536	33KΩ	1
R537	47KΩ	1
R538	100KΩ	1
R539	10KΩ	1
R540	1.5KΩ	1
R541	12KΩ	1
R542	22KΩ	1
R543	18KΩ	1
R544	6.8KΩ	1
R545	2.2KΩ	1
R546	10KΩ	1
R547	47KΩ	1
R548	220KΩ	1
R549	2.2MΩ	1
R550	33KΩ	1
R551	22KΩ	1
R552	22KΩ	1
R555	22KΩ	1
R556	22KΩ	1
R558	1KΩ 1/4W	1
R559	220Ω 1/4W	1
R561	100KΩ	1
R562	10KΩ	1
R570~	1Ω 1/4W	3
R572		
R579	2.2KΩ 1/4W	1
R580	470Ω 1/4W	1
R581	220Ω 1/4W	1
R583	100KΩ	1
R590	100KΩ	1

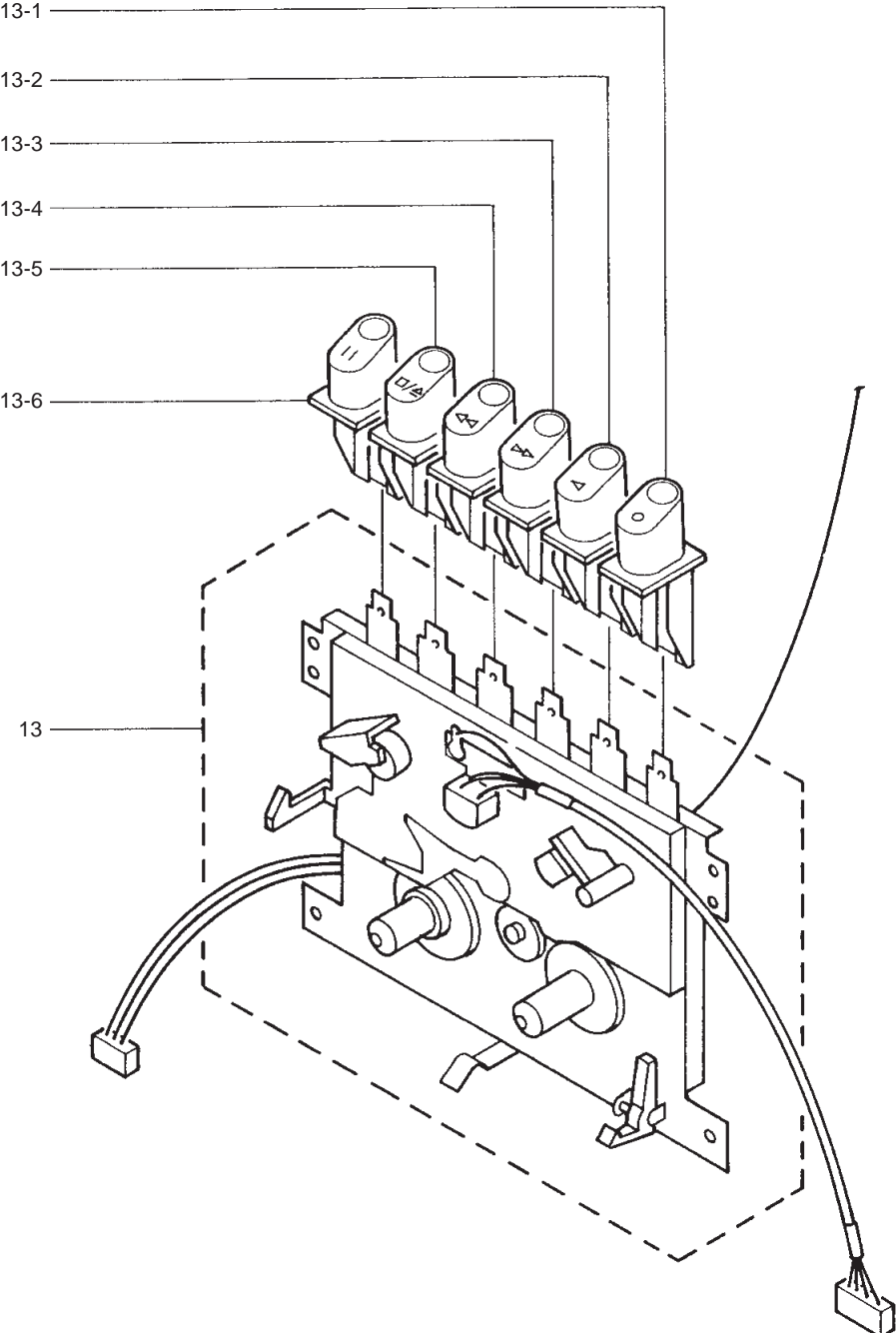
Item	Specification	Q'ty
R591	47Ω 1/4W	1
R601	22KΩ 1/4W	1
R602	22KΩ 1/4W	1
R603	22KΩ	1
R604	22KΩ	1
R605~	33KΩ	4
R608		
R609	12KΩ	1
R610	4.7KΩ	1
R612	100KΩ	1
R613	390Ω	1
R620	22KΩ	1
R621	560KΩ	1
R622	1KΩ	1
R623	1KΩ	1
R633	2.2KΩ	1
R634	4.7KΩ	1
R635	270Ω	1
R636	270Ω	1
R650	4.7KΩ	1
R651	3.3KΩ	1
R652	1.8KΩ	1
R701	22KΩ 1/4W	1
R702	22KΩ 1/4W	1
R703	22KΩ	1
R704	22KΩ	1
R705	33KΩ	4
R708		
R709	12KΩ	1
R710	4.7KΩ	1
R712	100KΩ	1
R713	390Ω	1
R720	22KΩ	1
R721	560KΩ	1
R722	1KΩ	1
R723	1KΩ	1
R733	2.2KΩ	1
R734	4.7KΩ	1
R735	270Ω	1
R736	270Ω	1
R750	4.7KΩ	1
R751	3.3KΩ	1
R752	1.8KΩ	1
R801	1KΩ	1
R802	1.5KΩ 1/4W	1
R803	680Ω	1
R804	330Ω 1/4W	1
R811	22KΩ	1
R815	47KΩ	6
R820		
R821	1KΩ	1
R825~	47KΩ	10
R834		
R840	4.7KΩ	1
R841	10KΩ	1
R842	19KΩ	1
R843	560KΩ	1
R850	1KΩ 1/4W	1

Cabinet

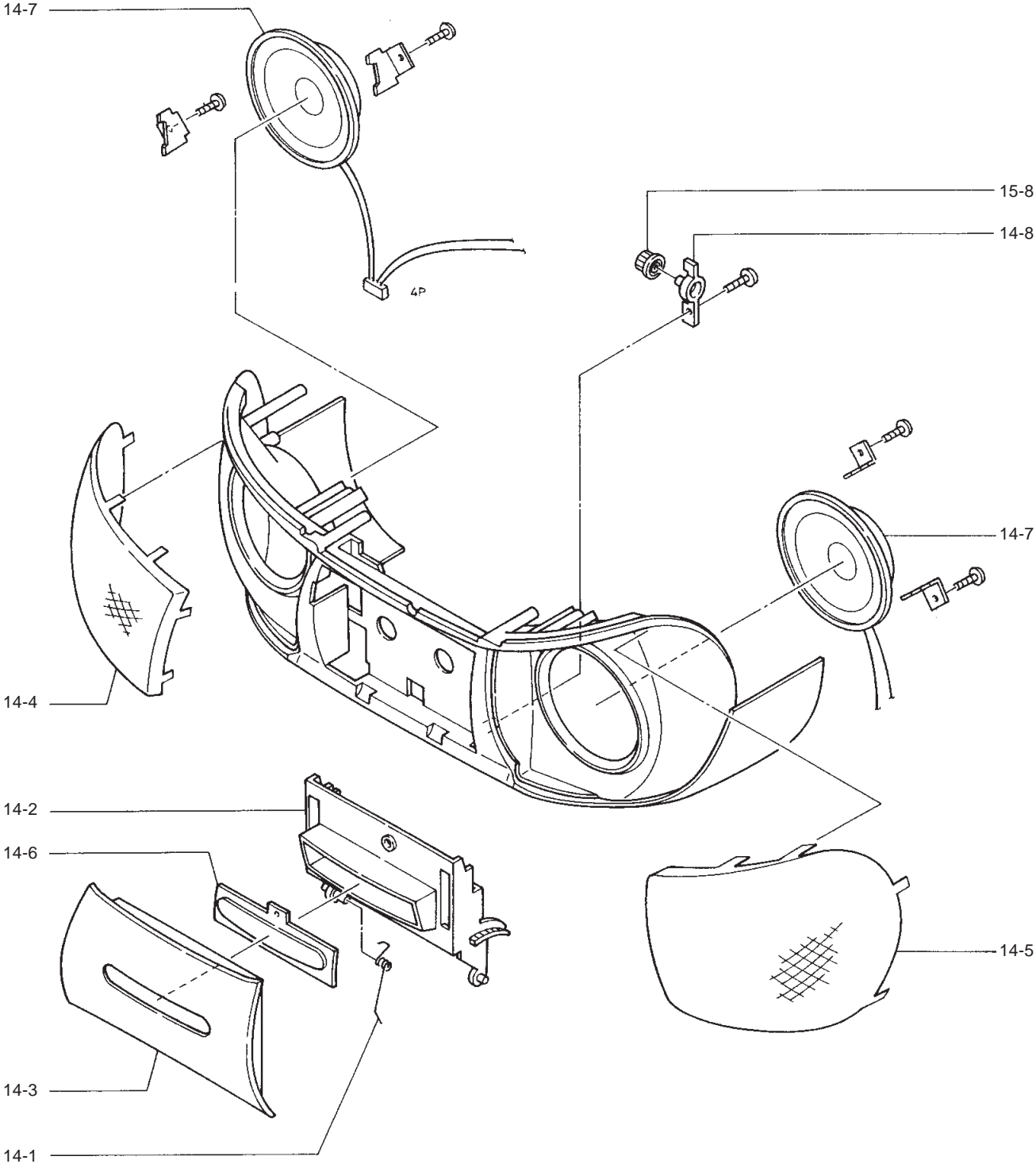
EXPLODED VIEWS



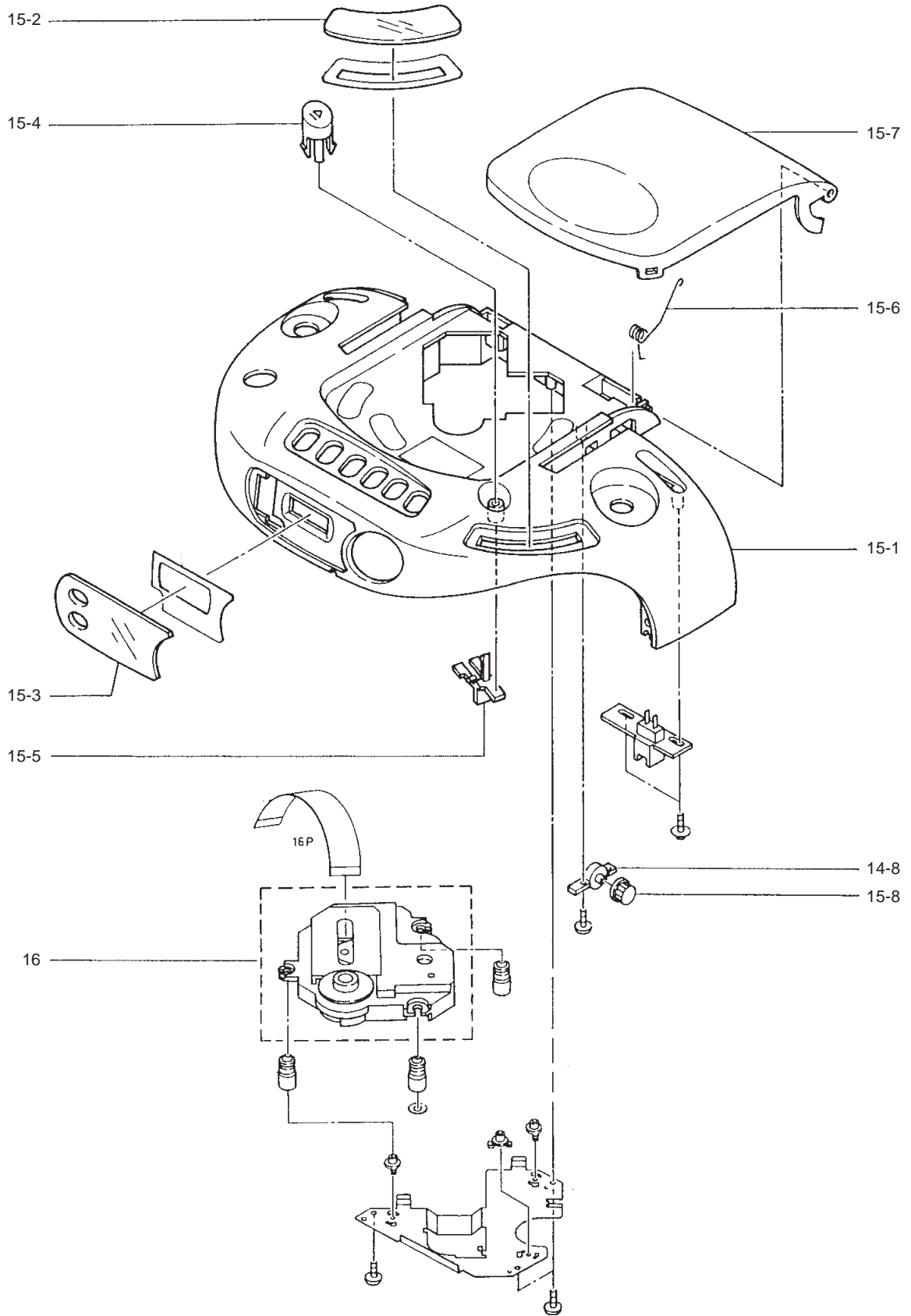
Cassette Mechanism



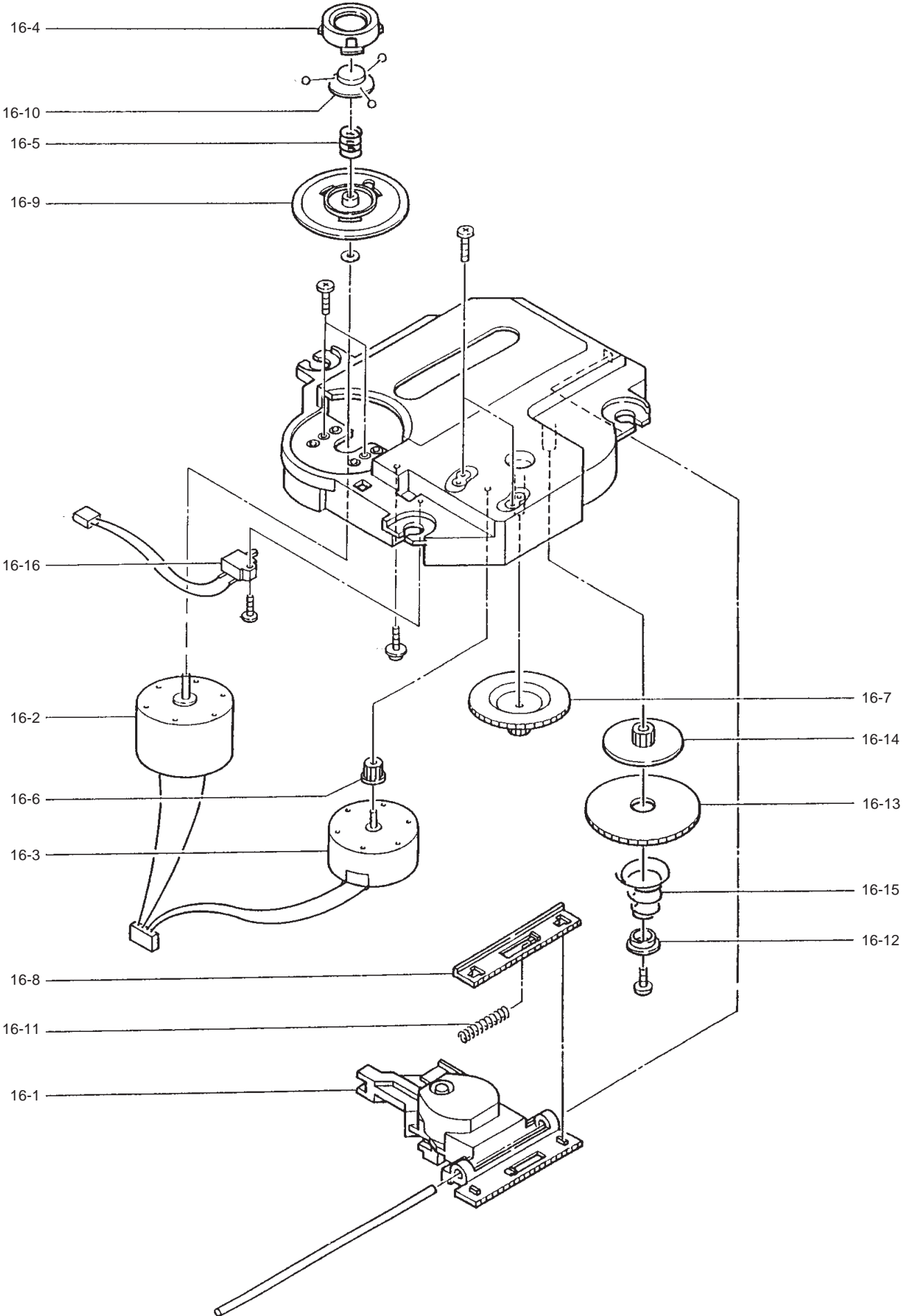
Case Unit



Top Case Unit



CD Mechanism



CASIO TECHNO CO.,LTD.
Overseas Service Division

8-11-10, Nishi-Shinjuku
Shinjuku-ku, Tokyo 160-0023, Japan