ORDER NO. RD8008-1807C

Service Manual

Radio Cassette

RX-5600LS

FM/LW/MW/SW STEREO RADIO CASSETTE

■ SPECIFICATIONS

Power Requirement:	AC; 100～110/115～127/200～220/230～250 V, 50/60 Hz Battery, 12 V (eight-UM-1, D size dry batteries) Car/boat battery; with optional car/boat adaptor RP-952
Power consumption:	28 W (AC only)
Power Output:	16 W...(RMS max.)
Frequency Range:	40～12,000 Hz (with normal tape) 40～14,000 Hz (with FeCr tape) 40～14,000 Hz (with CrO_2 tape) 40～16,000 Hz (with Metal tape)
Recording System:	AC bias, AC erase
Tape Speed:	4.8 cm/s, ($1\frac{7}{8}$ ips)
Wow and Flutter:	0.05% (WRMS)
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track stereo recording and playback
Input:	MIC; sensitivity 0.26 mV/applicable microphone impedance 200～600Ω (recommended microphone RP-8135) DC IN; 13.2 V PHONO: sensitivity 2.5 mV (47 kΩ over)
Output:	EXT SP; 3～8Ω HEADPHONES; 8Ω
REC/PB Connection:	5P DIN type IN; 7.9 mV (50 kΩ over) OUT; 0.42 V (4.7 kΩ under)
Speaker:	Woofer; 16 cm ($6\frac{5}{16}$") PM Dynamic speaker (3Ω) Tweeter; 5 cm (2") PM Dynamic speaker (4Ω)
Radio Frequency Range:	FM; 87.5～108 MHz LW; 150～285 kHz (2000～1060m) MW; 520～1610 MHz (577～186m) SW; 5.9～18 MHz (50.8～16.7m)
Intermediate Frequency:	FM; 10.7 MHz AM; (LW/MW/SW); 455 kHz
Sensitivity:	FM; 2μV/50 mW output LW; 170μV/m/50 mW output MW; 100μV/m/50 mW output SW; 6μV/50 mW output
Dimensions:	564mm(W) x 325mm(H) x 162mm(D) [$22\frac{1}{4}$"(W) x $12\frac{3}{4}$"(H) x $6\frac{3}{8}$"(D)]
Weight:	7.4 kg (16 lb. 5 oz.) without batteries

Specifications are subject to change without notice.

National Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

LOCATION OF CONTROLS AND COMPONENTS

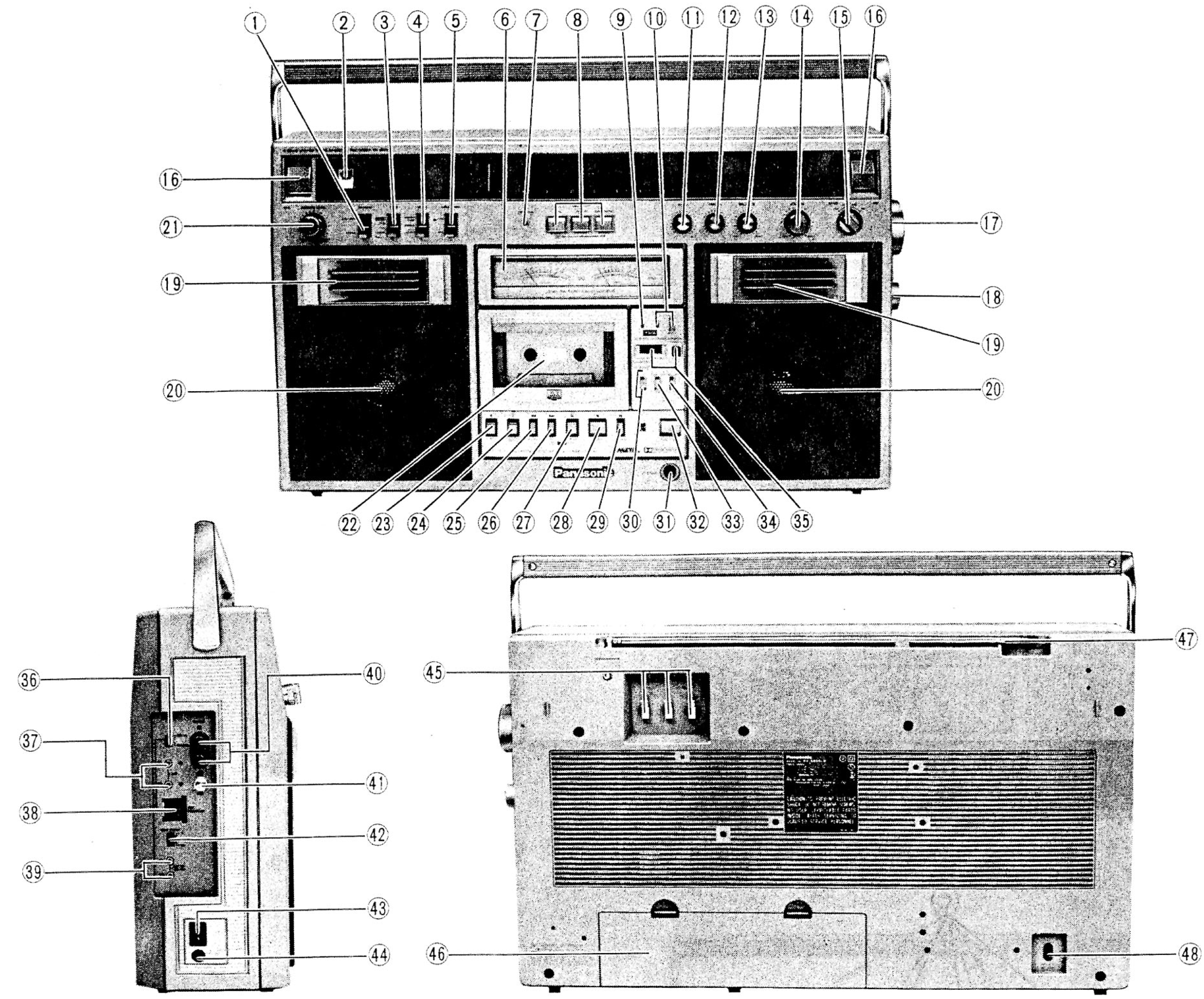
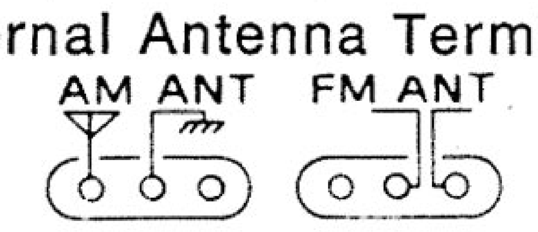


Fig. 1

① Record Mode Selector (EASY-MATIC/MANUAL)
② FM Stereo Indicator (FM STEREO)
③ Tape Selector (METAL/CrO_2/FeCr/NORMAL)
④ Mode Selector (STEREO WIDE/STEREO/MONO)
⑤ Loudness Switch (ON/OFF)
⑥ Level Meters (LEVEL/BATTERY/TUNING INDICATOR)
⑦ Operation Indicator (OPERATION)
⑧ Function Selector (TAPE, OFF/RADIO/DIN, PHONO)
⑨ Recording Indicator (REC)
⑩ Tape Program Sensor (TPS) Switch and Indicator (ON/OFF)
⑪ Bass Control (BASS)
⑫ Treble Control (TREBLE)
⑬ Balance Control (BALANCE)
⑭ Volume Control (VOLUME)
⑮ Band Selector (FM/LW/MW/SW)
⑯ Built-in Microphones (MIC)
⑰ Tuning Control (TUNING)
⑱ Fine Tuning Control (FINE TUNING)
⑲ Tweeters (Treble Speakers), 5 cm (2"), 4Ω
⑳ Woofers (Bass Speakers), 16 cm ($6\frac{1}{2}$"), 3Ω
㉑ Recording Level Controls (RECORD LEVEL)
㉒ Cassette Compartment
㉓ Eject Button (▲ EJECT)
㉔ Record Button (○ RECORD)
㉕ Rewind Button (◀◀ REWIND)
㉖ Fast Forward Button (▶▶ FF)
㉗ Playback Button (▶ PLAY)
㉘ Stop Button (■ STOP)
㉙ Pause Button (❚❚ PAUSE)
㉚ * Dolby Noise Reduction Switch and Indicator (▬ IN/ ▀ OUT)
㉛ Headphones Jack (PHONES)
㉜ Record Muting Button (REC MUTE)
㉝ Meter Selector (TUNE, BATT/LEVEL)
㉞ Light Switch (PUSH ON)
㉟ Tape Counter and Reset Button (COUNTER)
㊱ Input Selector (DIN IN/PHONO)
㊲ Microphone Jacks (MIC), 0.26 mV, 200~600Ω
㊳ Din Connector Jack (DIN REC/PLAY)
- IN: 7.9 mV, 50 kΩ
- OUT: 0.42 mV, 4.7 kΩ

㊴ External Speaker Jacks (EXT SP), 3~8Ω
㊵ Phono Input Jacks (PHONO), 2.5 mV, 47 kΩ
㊶ Phono-Earth Terminal (⏚)
㊷ Beat Proof Switch (BEAT PROOF)
㊸ AC Socket (AC IN ~)
㊹ DC Input Jack (DC IN 13.2 V ⊖-⊙-⊕)
㊺ External Antenna Terminals



㊻ Battery Compartment
㊼ Telescopic Antenna
㊽ Voltage Selector (VOLTAGE SELECTOR)

* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
Noise reduction system manufactured under license from Dolby Laboratories.

DISASSEMBLY INSTRUCTIONS

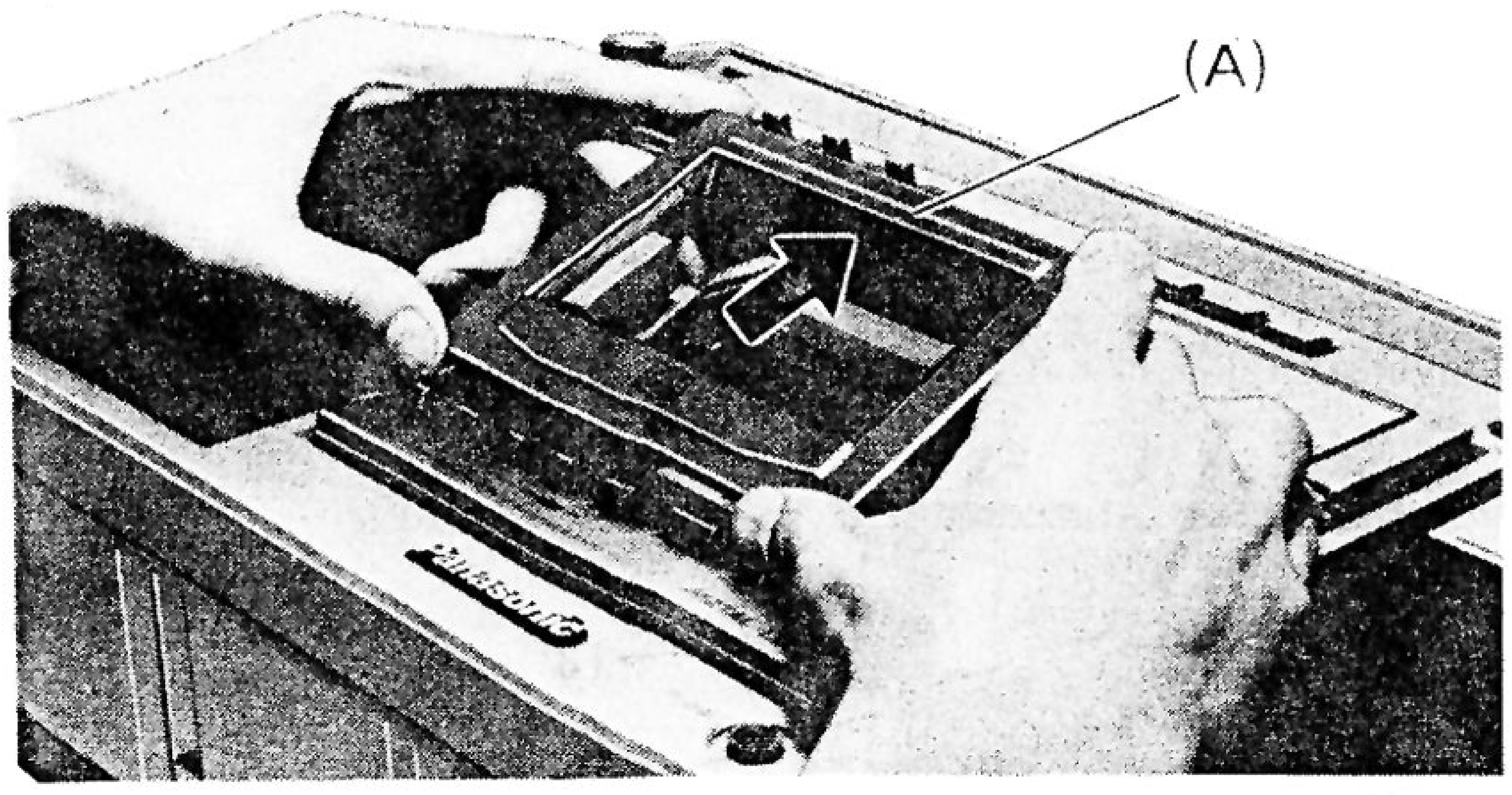


Fig. 2

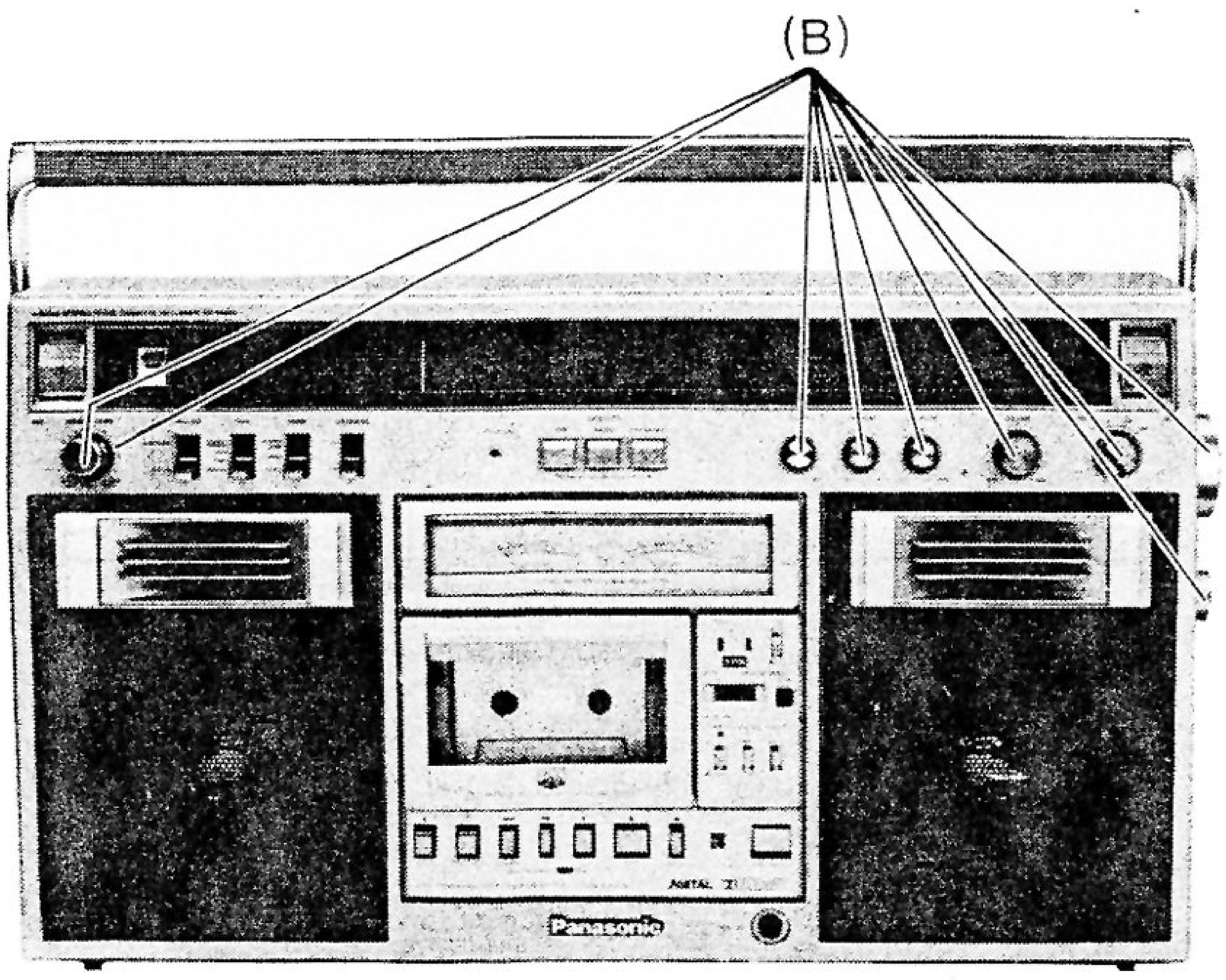


Fig. 3

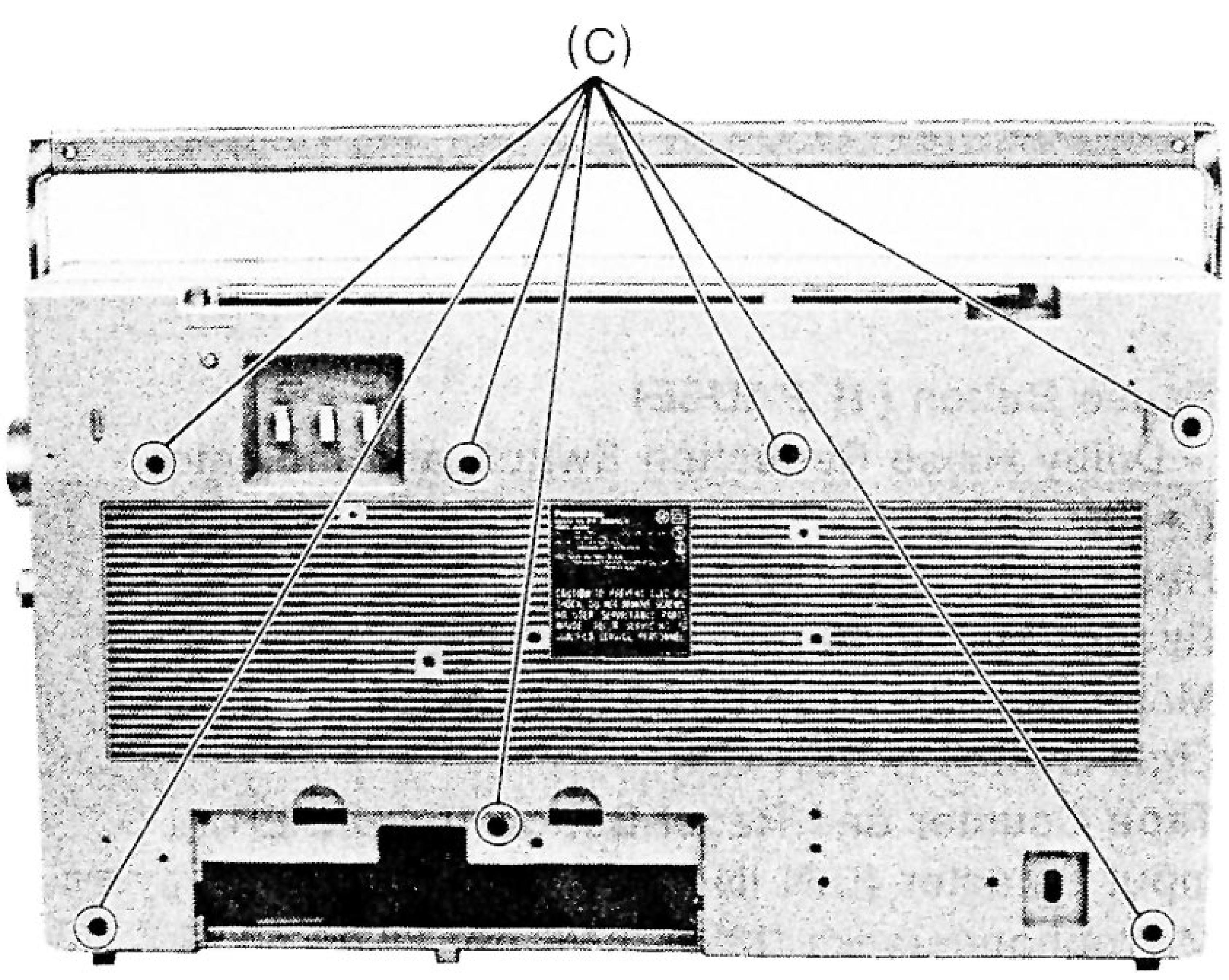


Fig. 4

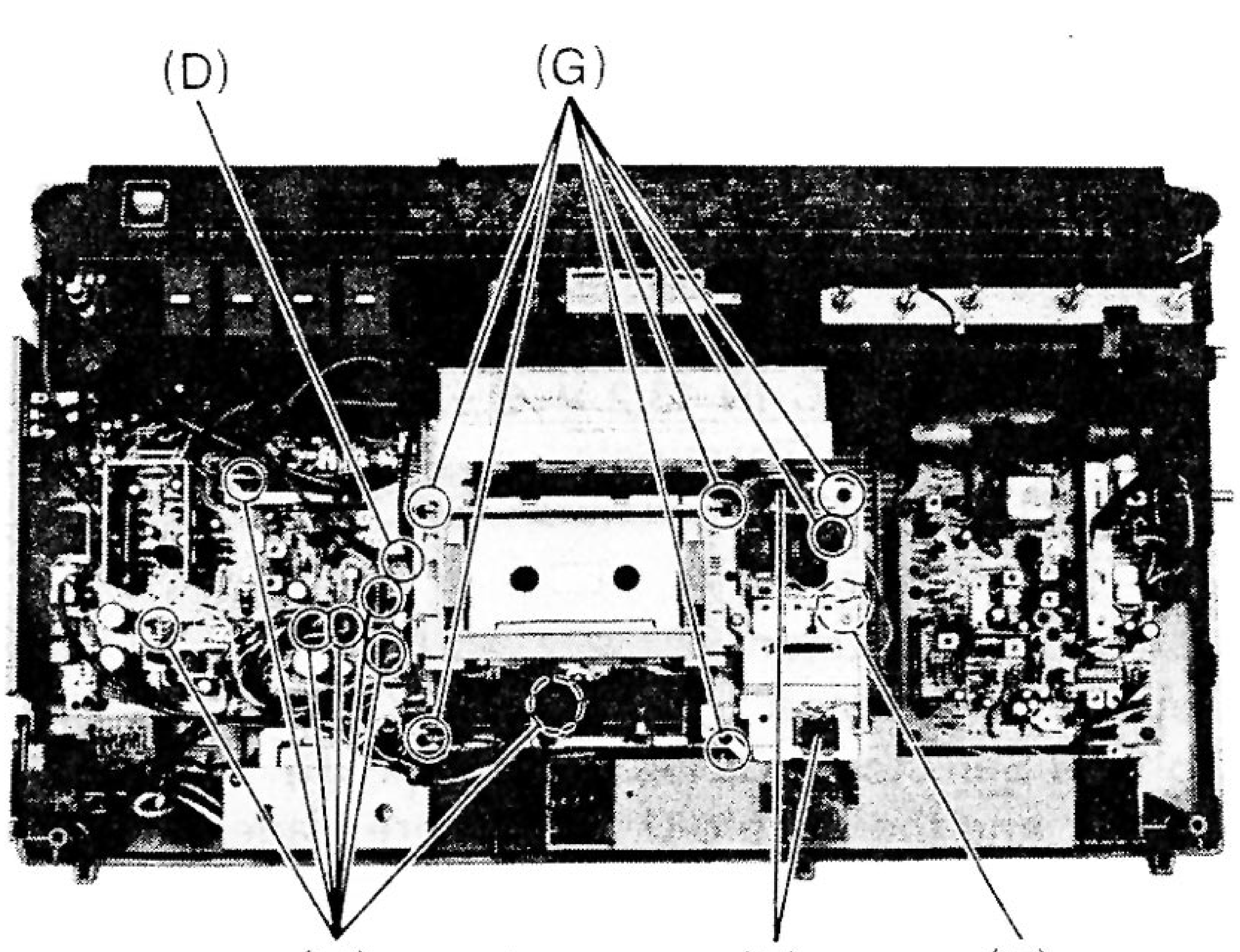


Fig. 5

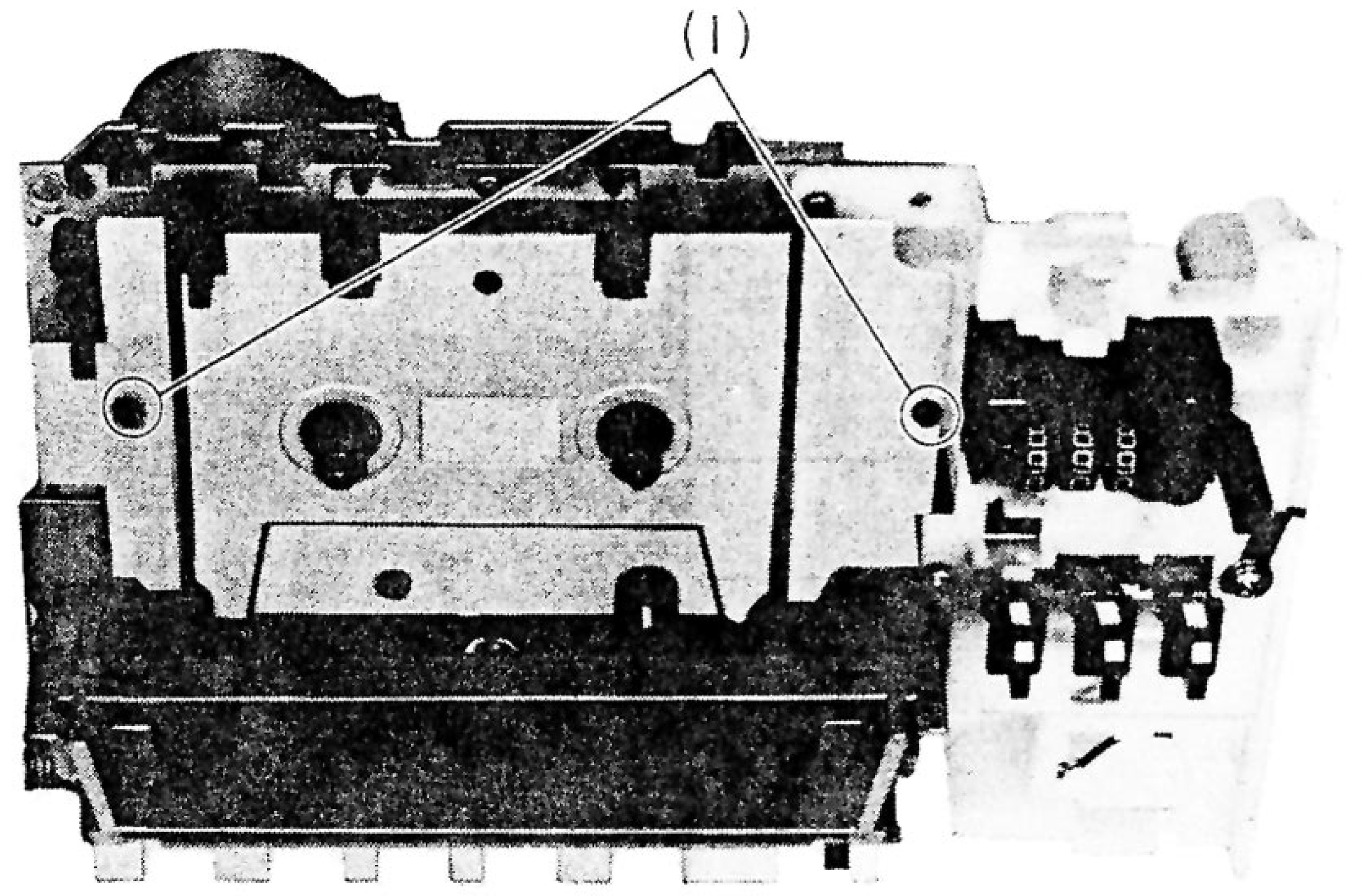


Fig. 6

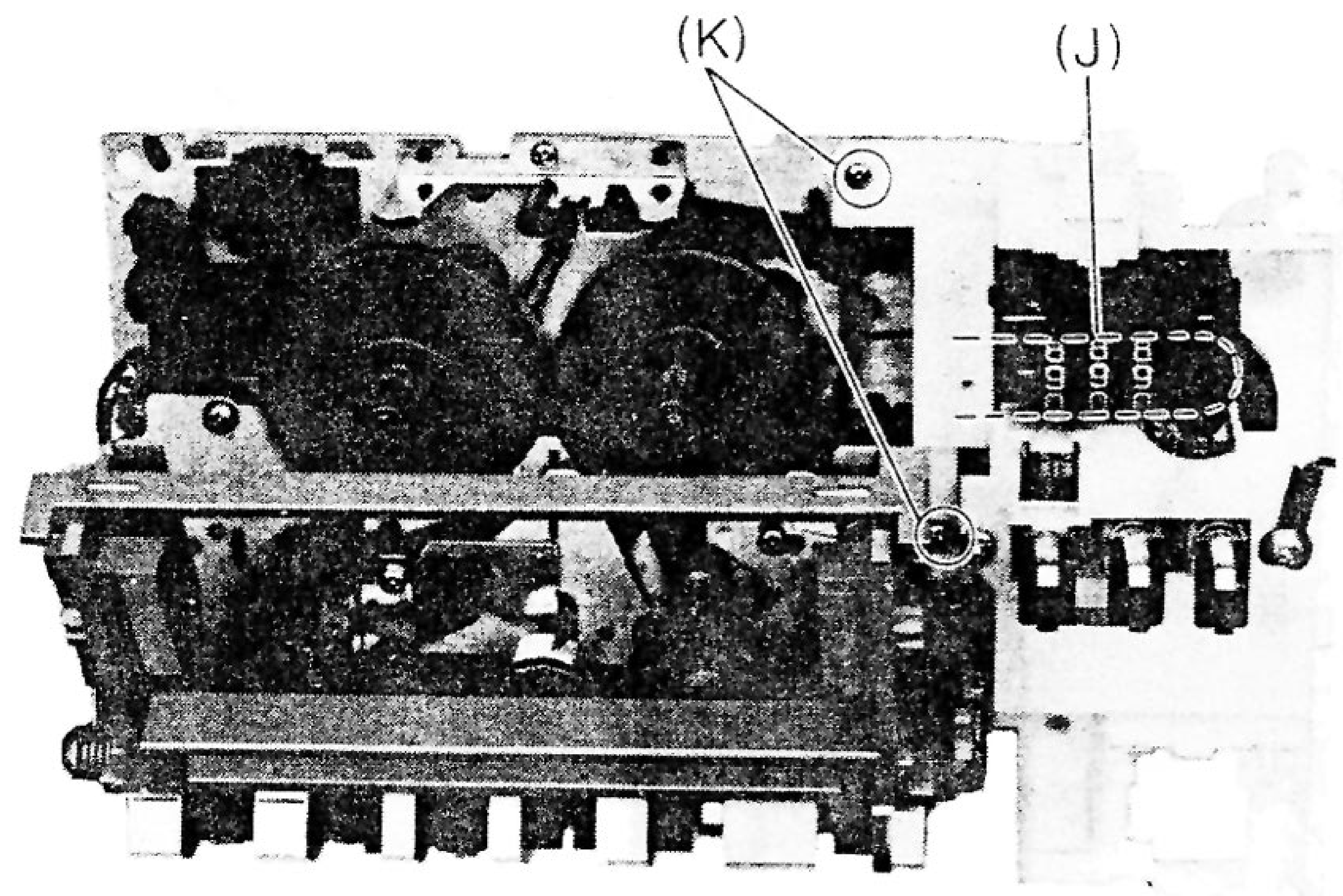


Fig. 7

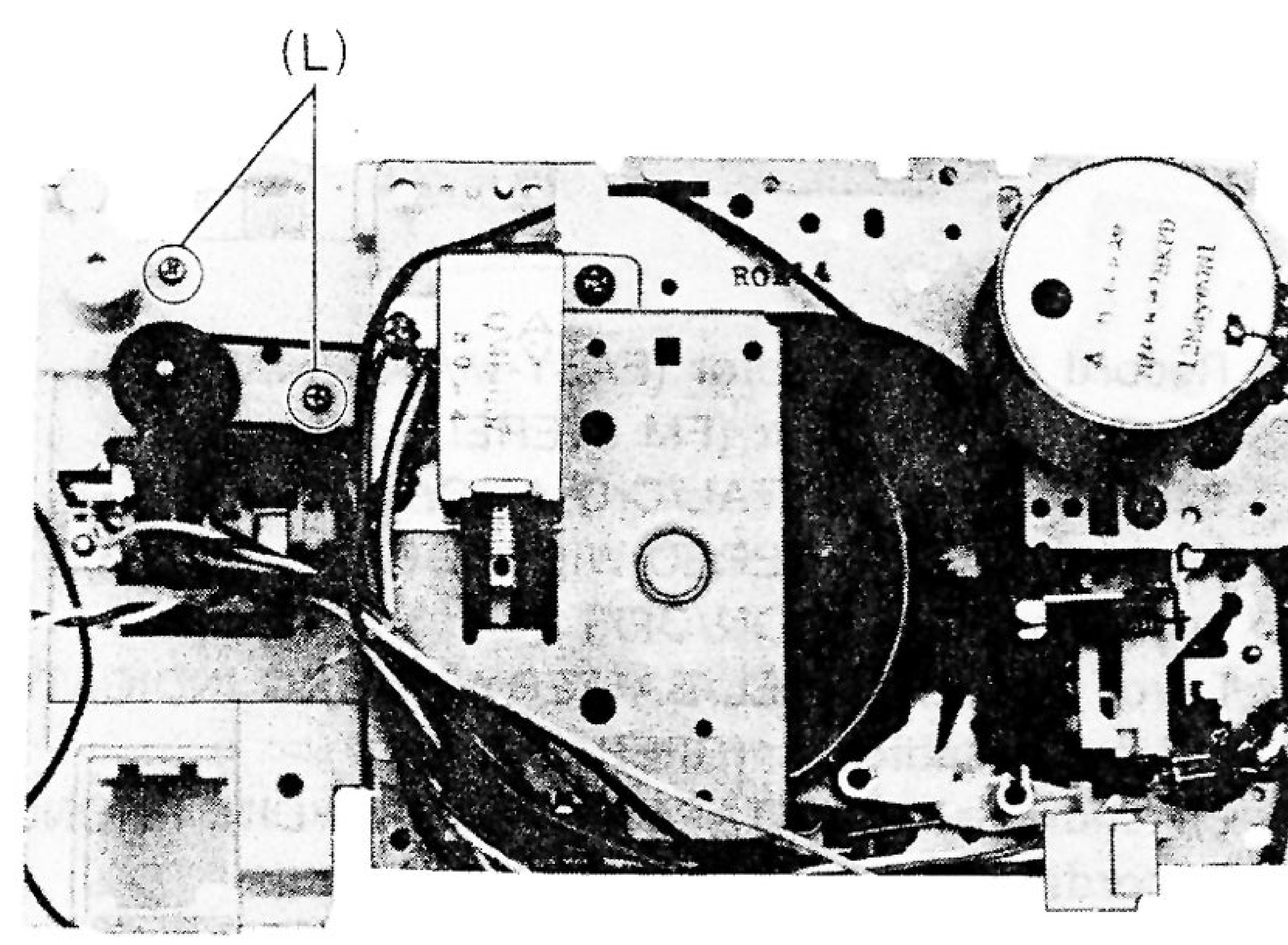


Fig. 8

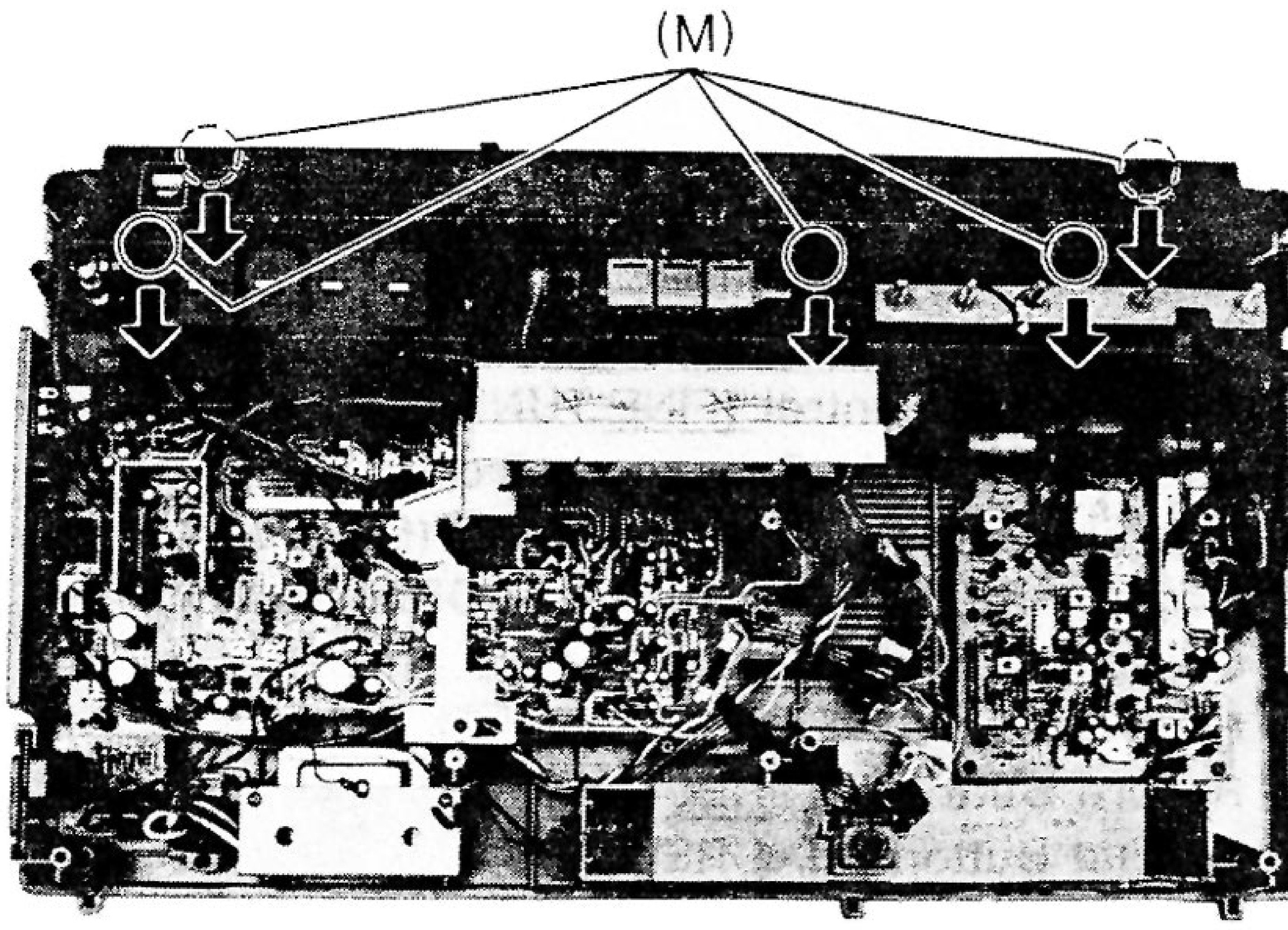


Fig. 9

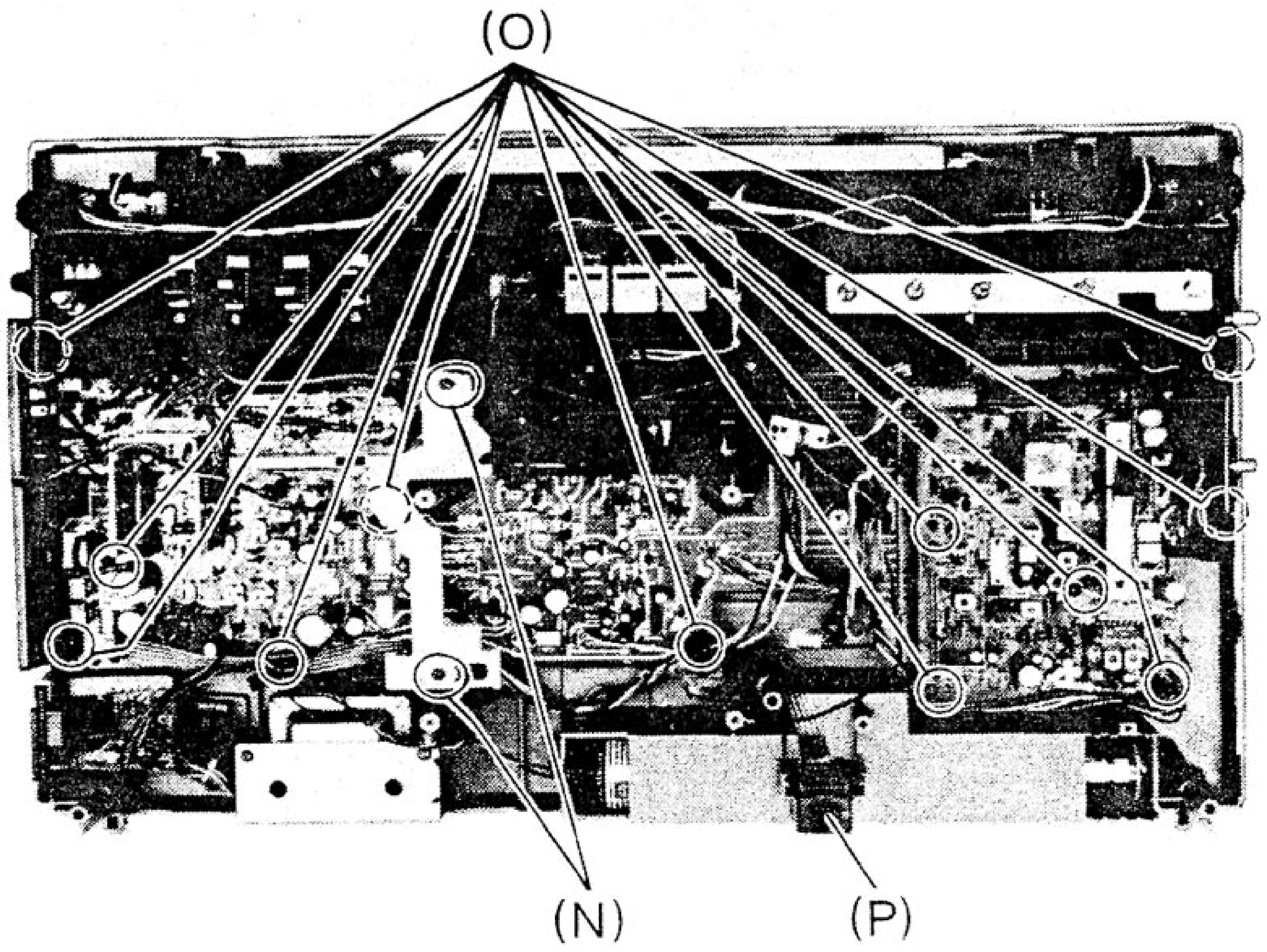


Fig. 10

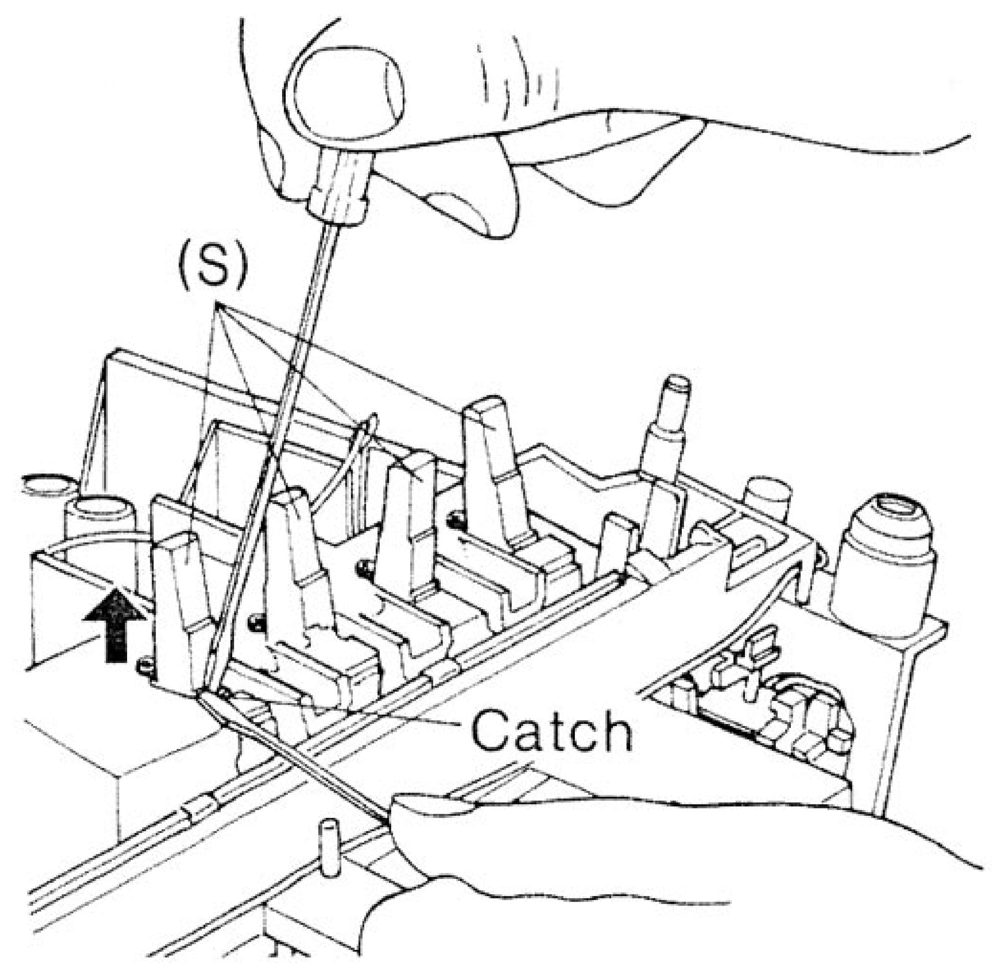


Fig. 13

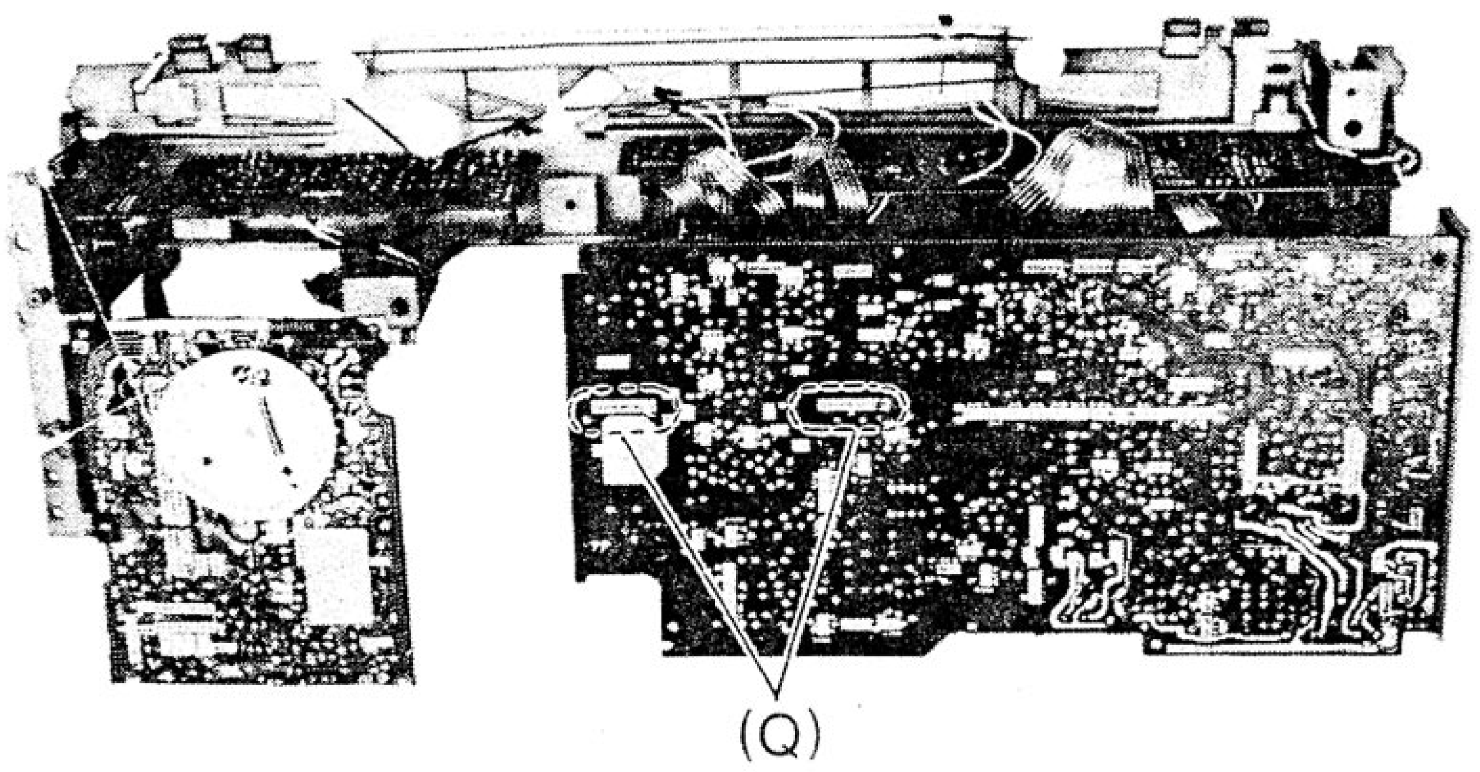


Fig. 11

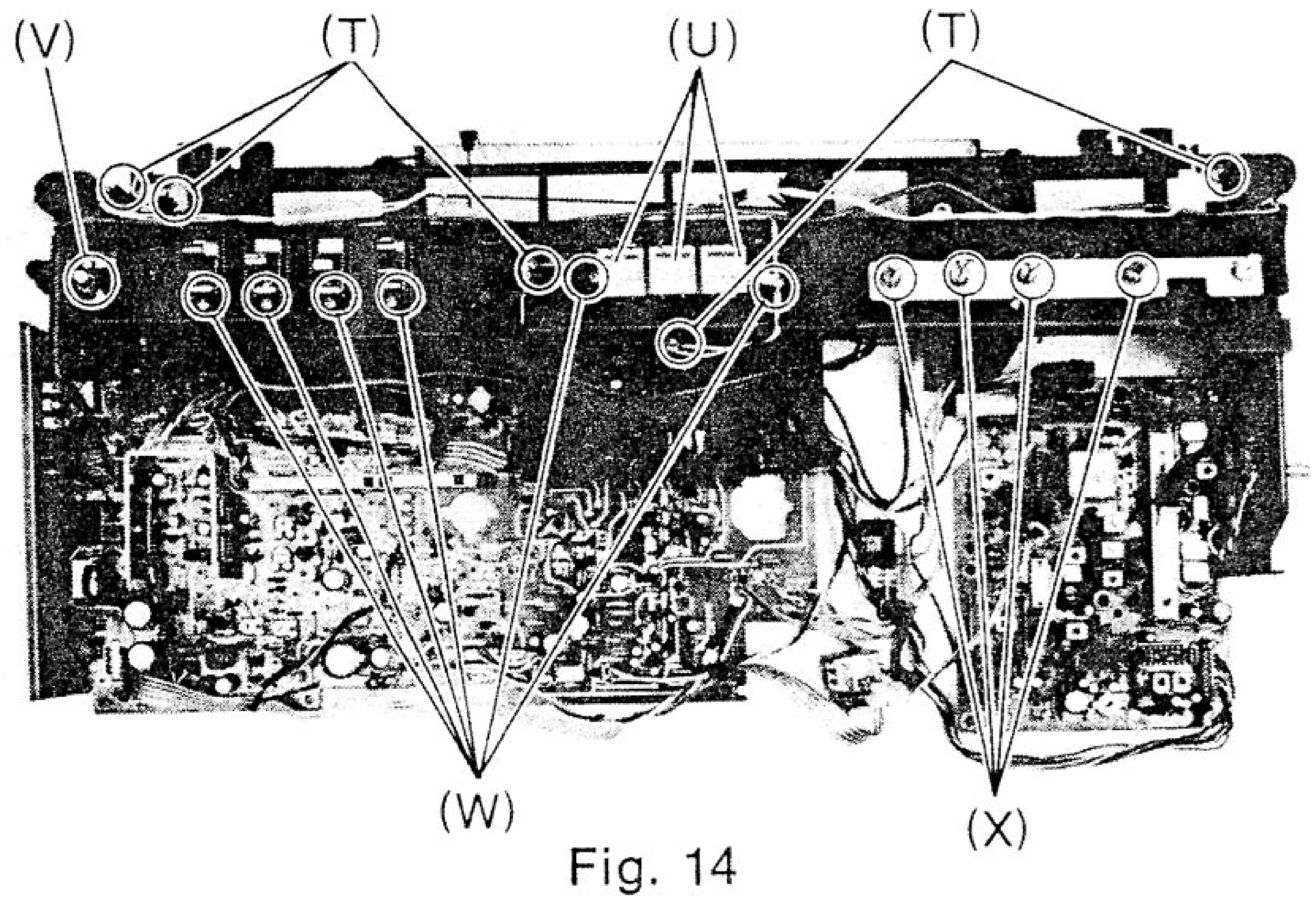


Fig. 14

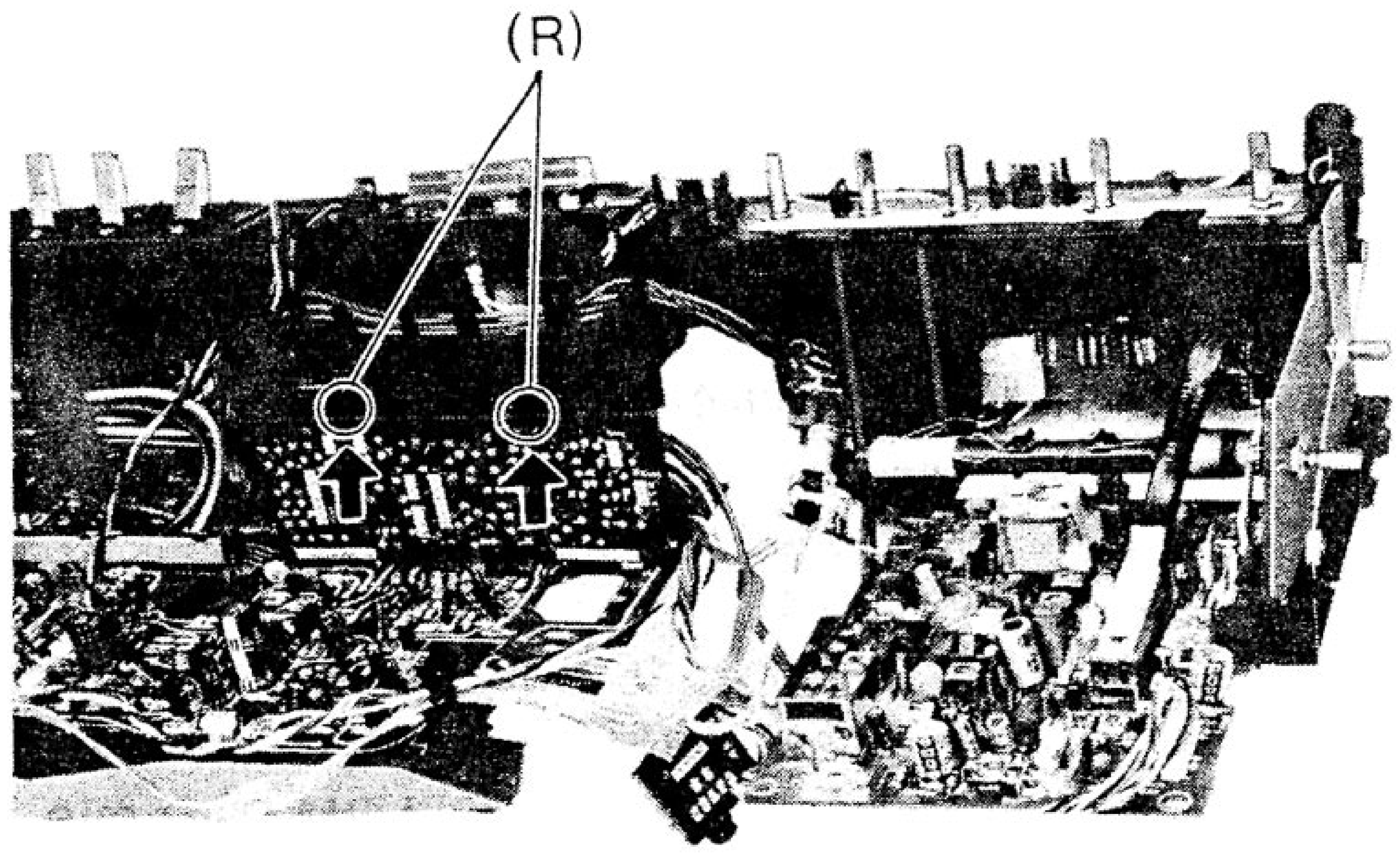


Fig. 12

■ HOW TO REPLACE TWEETER

To fix the tweeter, use the bracket and screw as shown in fig. 15.

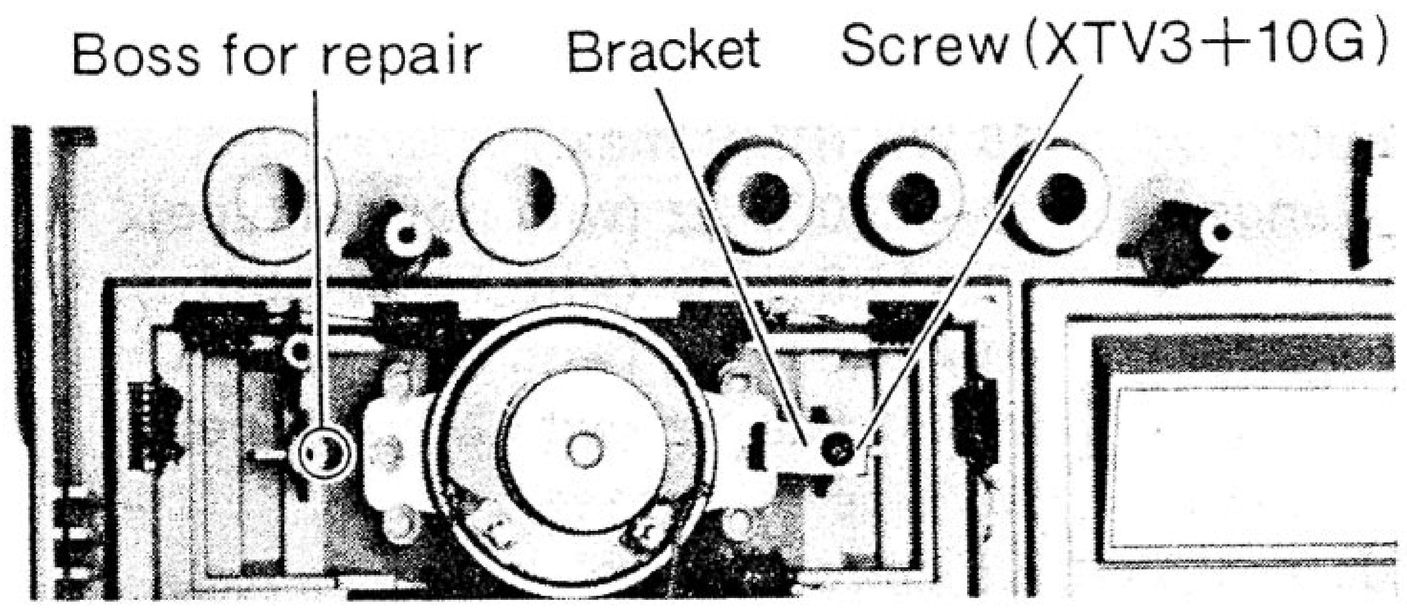


Fig. 15

■ CONNECTOR POSITION

CP_A: Antenna connector
CP_B: Audio curcuit board connector
CP_1: Speaker connector
CP_2: Built-in mic connector
CP_3: Plunger connector
CP_4: Erase head connector
CP_5: R/P head connector
CP_6: Volume circuit board connector
CP_7: Motor connector
CP_8: Power source connector
CP_9: Leaf switch connector
CP_{10}: Meter switch connector
CP_{11}: Light switch connector
CP_{12}: Dolby switch connector

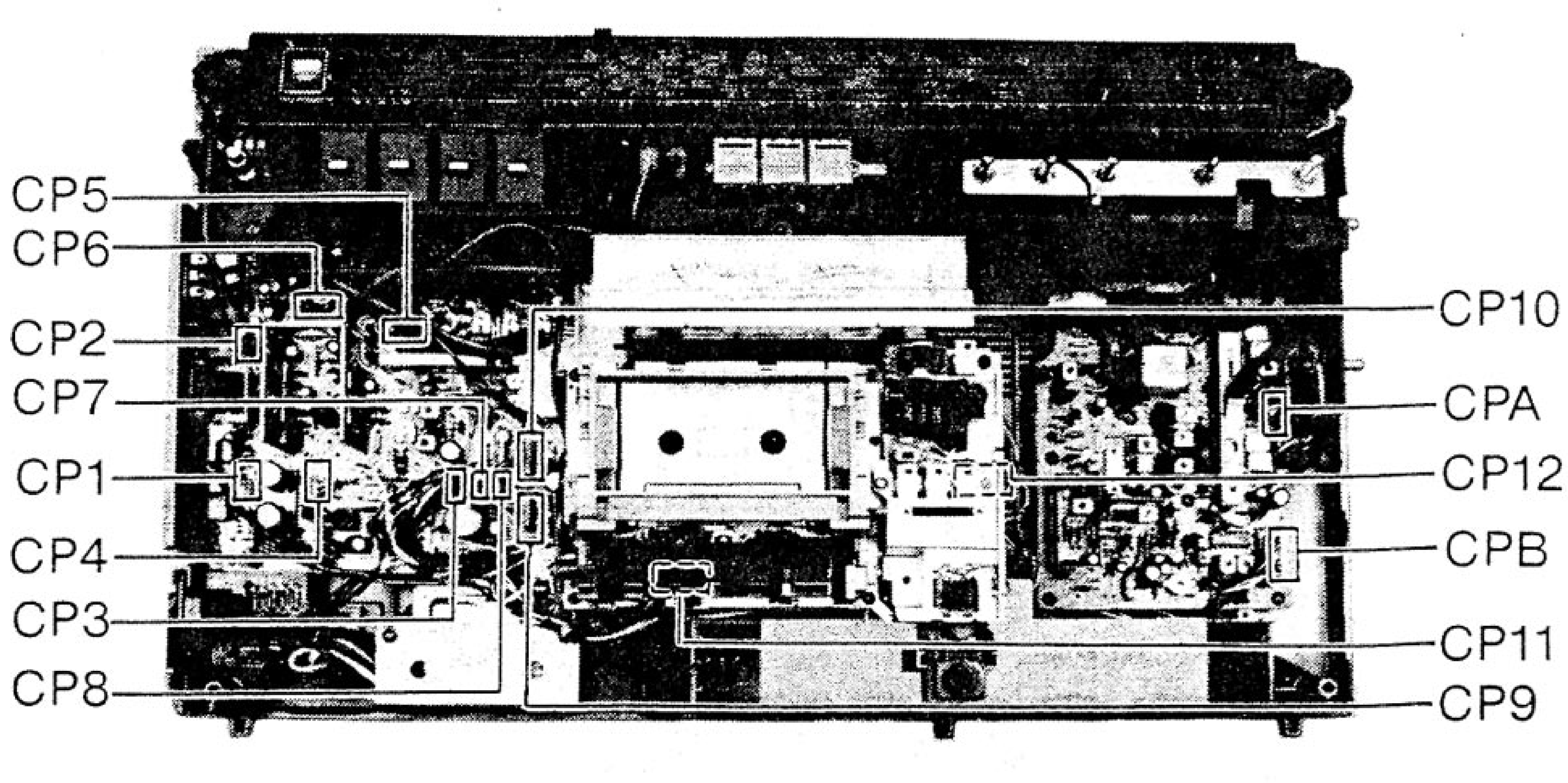


Fig. 16

Procedure	To remove—.	Remove—.	Shown in Fig.—.
1	Front cabinet※	Remove the cassette panel in the direction of arrow... (A)	2
2		Knobs ....(B) x 9	3
3		Screws (3.5 x 50) ....(C) x 7	4
4	Mechanism	Spring ....(D) x 1	5
5		LED & Rec Mute Switch ....(E) x 2	5
6		Socket.......................(F) x 1	5
7		Red Screws (3 x 12) ......(G) x 6	5
8		Sockets ....(H) x 7	5
9		Screws (2.6 x 6) ....(I) x 2	6
10		Counter Belt ....(J) x 1	7
11		Screws (2.6 x 6) ....(K) x 2	7
12	Tape Counter	Screws (2.6 x 8) ....(L) x 2	8
13	Dial Scale	Push the catch in the direction of arrows ....(M) x 5	9
14	R/P Lever	Red Screws (3 x 12) ......(N) x 2	10
15	Chassis	Red Screws (3 x 12) ......(O) x 12	10
16		Pull out headphone jack ....(P) x 1	10
17	Dolby Circuit Board	Unsolder terminals ......(Q) x 2	11
18		Push the catches in the direction of arrows ....(R) x 2	12
19	Switch Circuit Board	Pull out knos in the direction of arrow ....(S) x 4	13
20		Lamp & LED ....(T) x 5	14
21		Buttons ....(U) x 3	14
22		Nut (9ø) ....(V) x 1	14
23		Screws (3 x 6) ....(W) x 6	14
24	Volume Circuit Board	Nuts (8ø) ....(X) x 4	14

※ Set RECORD selector to EASY-MATIC, TAPE selector to METAL, MODE switch to STEREO WIDE, LOUDNESS switch to ON positions.

DIAL THREADING

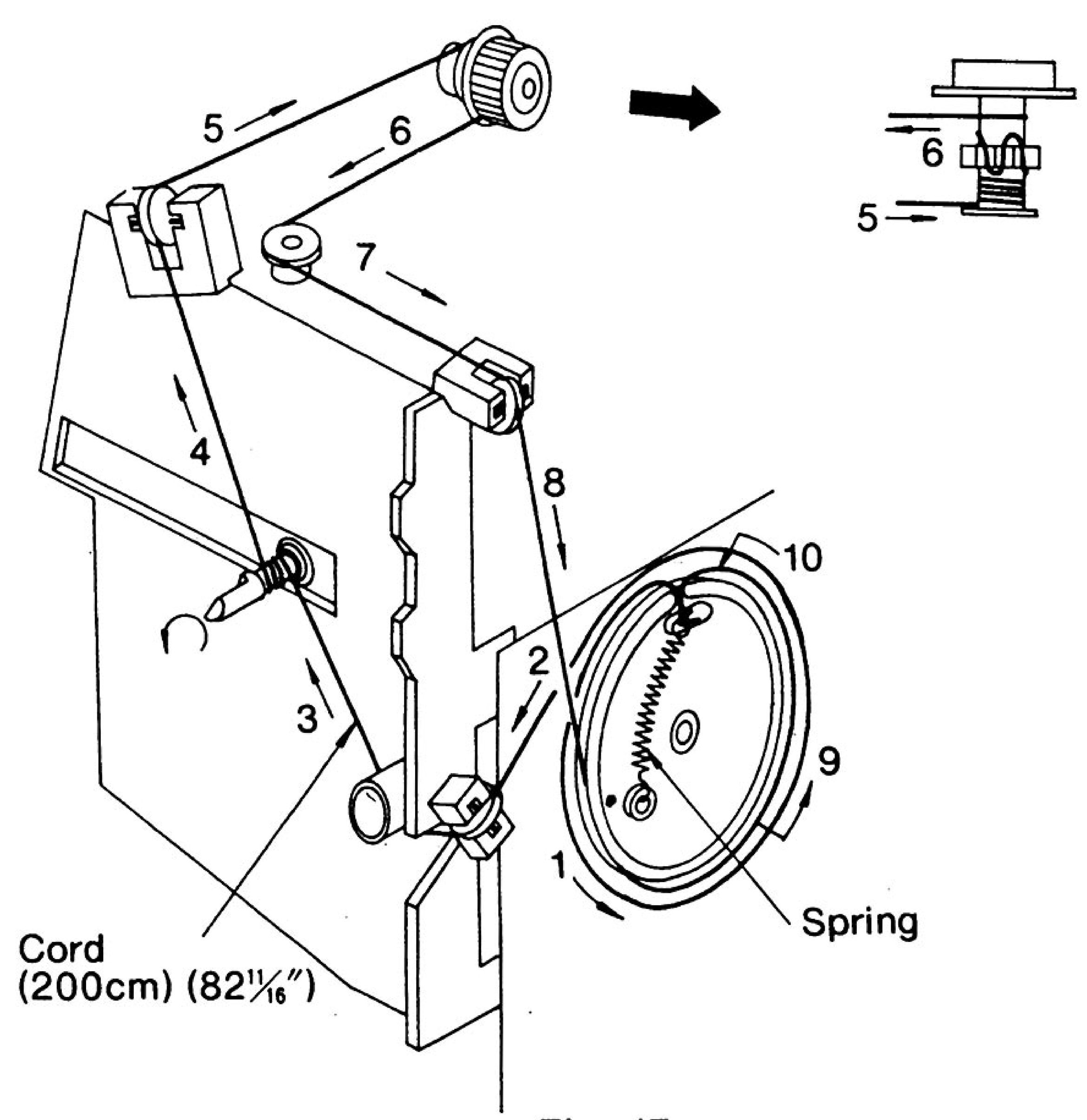


Fig. 17

BLOCK DIAGRAM

RADIO CIRCUIT

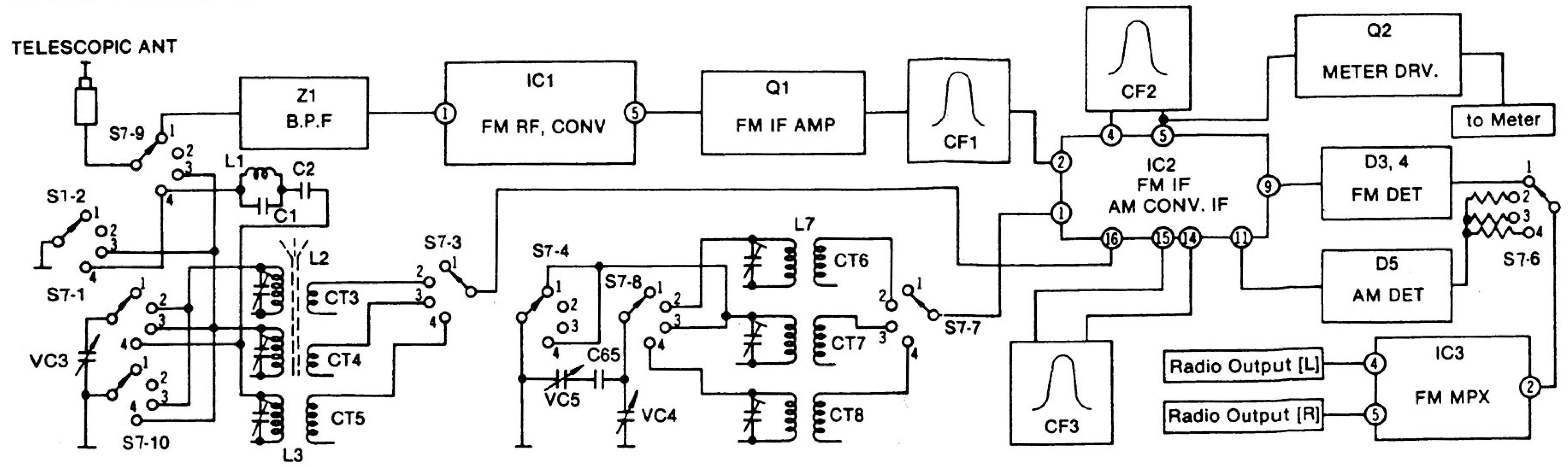


Fig. 18

AUDIO CIRCUIT

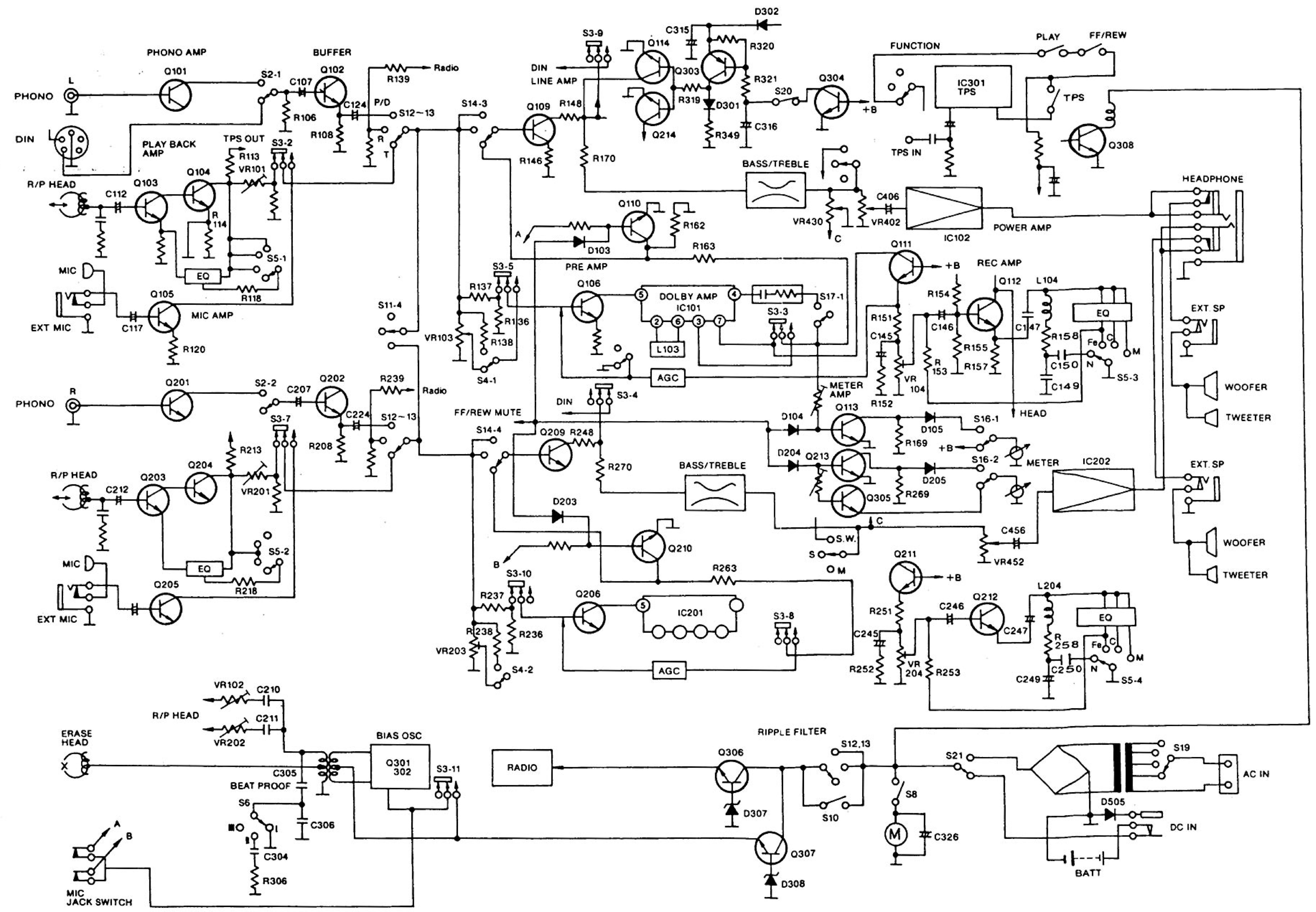


Fig. 19

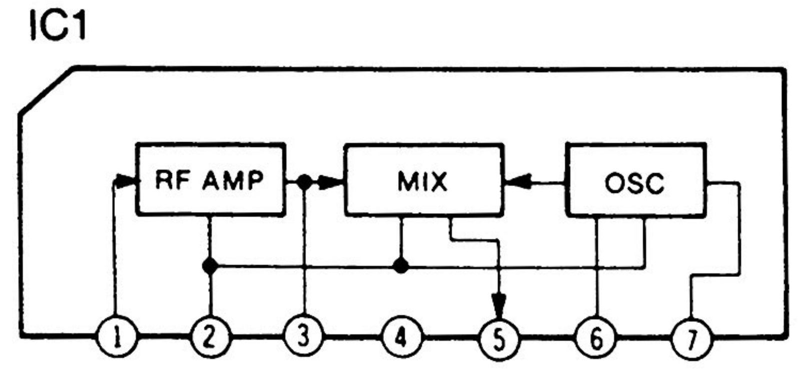
SCHEMATIC DIAGRAM (RADIO CIRCUIT) MODEL RX-5600LS

Notes:

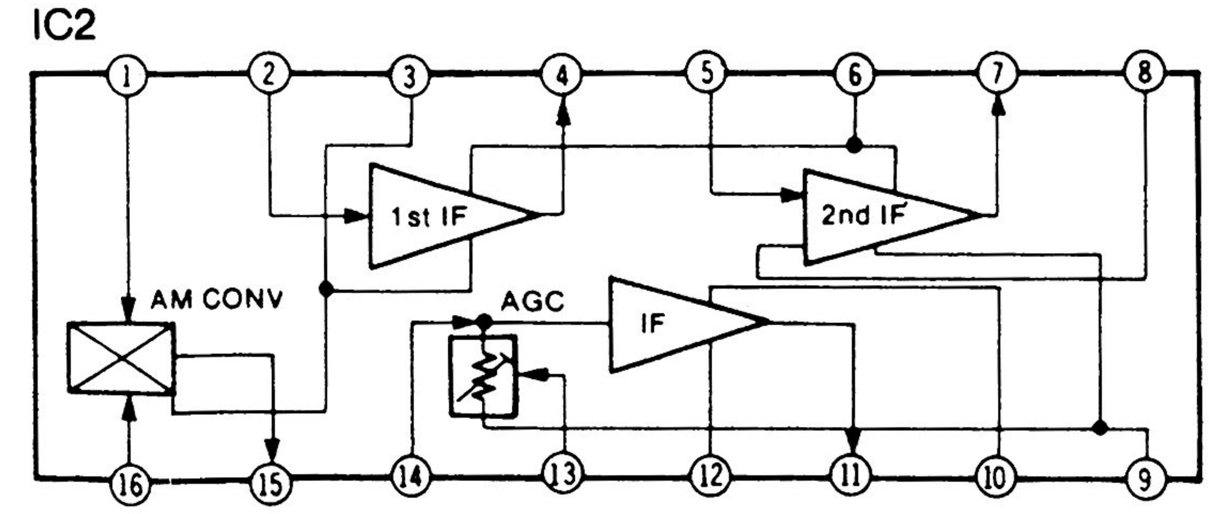
1. S_{7-1}~S_{7-10}: Band selector switch in "FM" position. (1...FM, 2...LW, 3...MW, 4...SW)
2. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
   ▭...FM Position, ( )...AM Position
3. Battery current: No signal ....160 mA
   Maximum output (Radio)............1.68 A
4. VR_1...VCO Oscillator Frequency Adjust.
5. The mark (▼) shows test point. e.g. ▼=test point 1.

IC BLOCK DIAGRAM

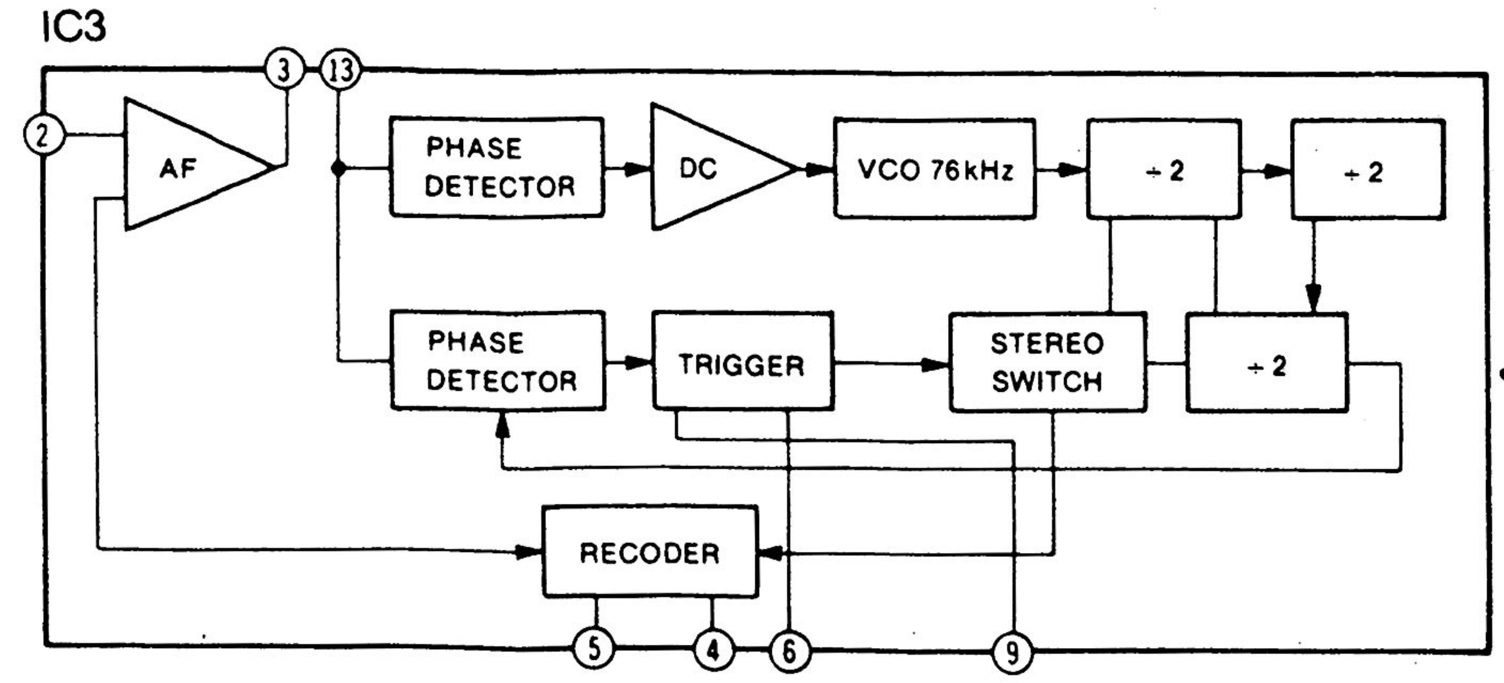
IC1



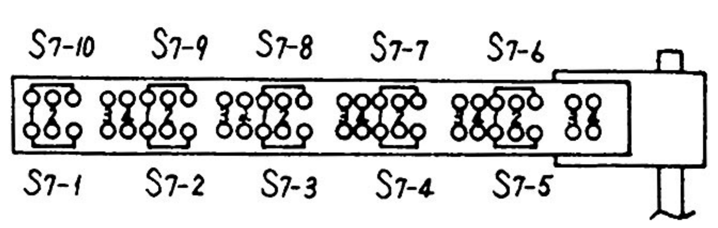
IC2

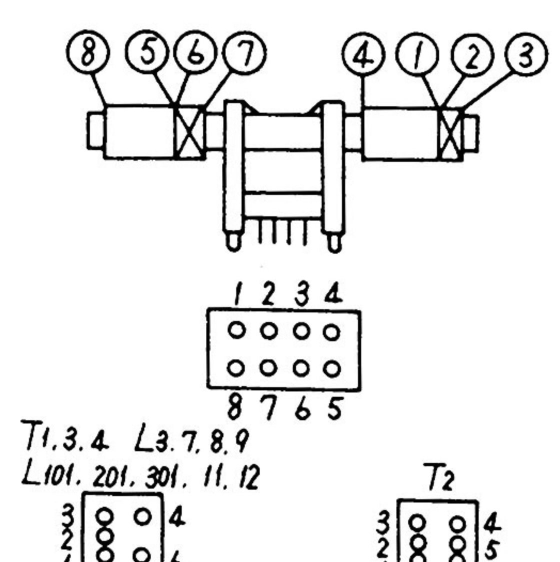


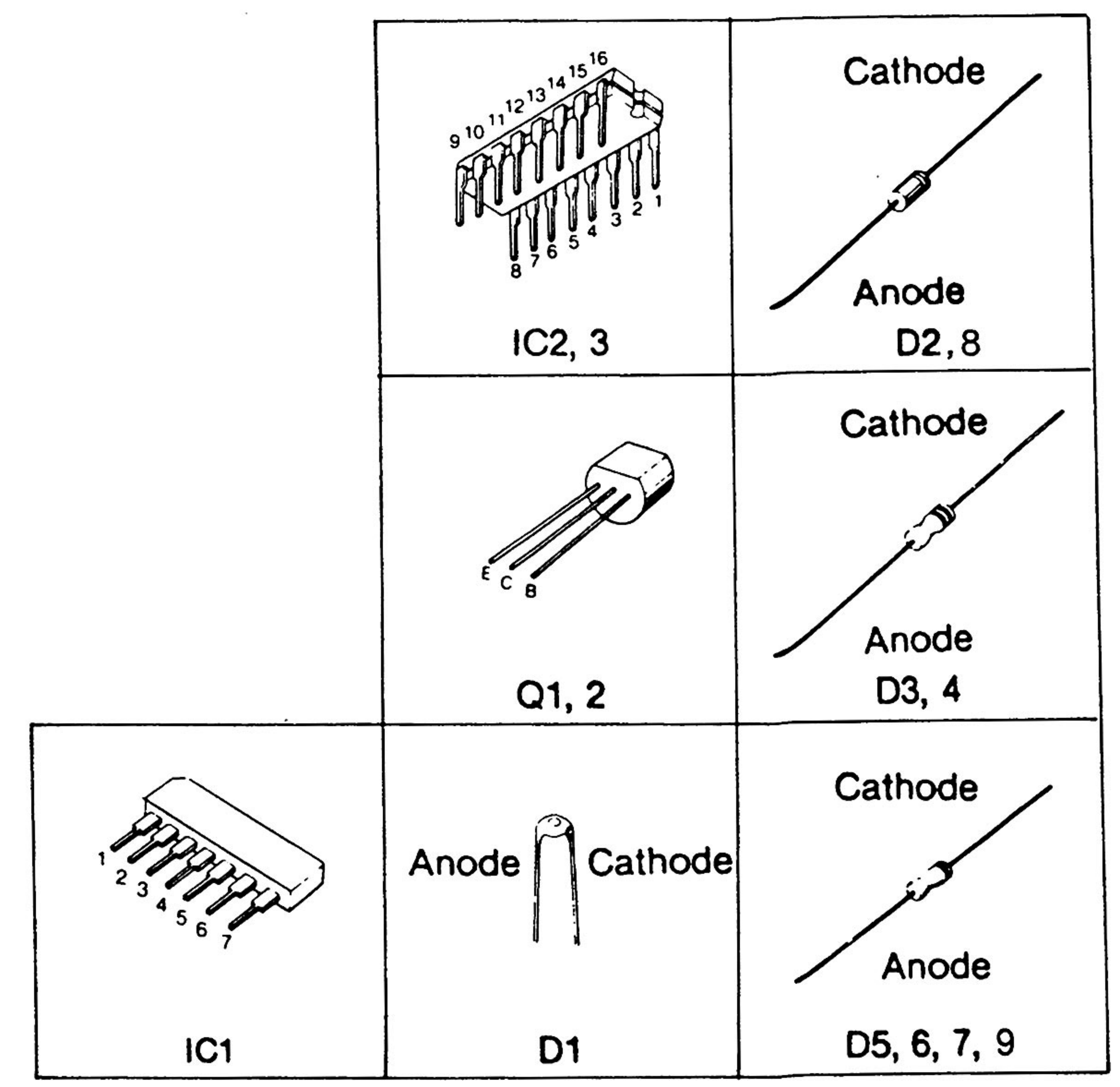
IC3



BOTTOM VIEW







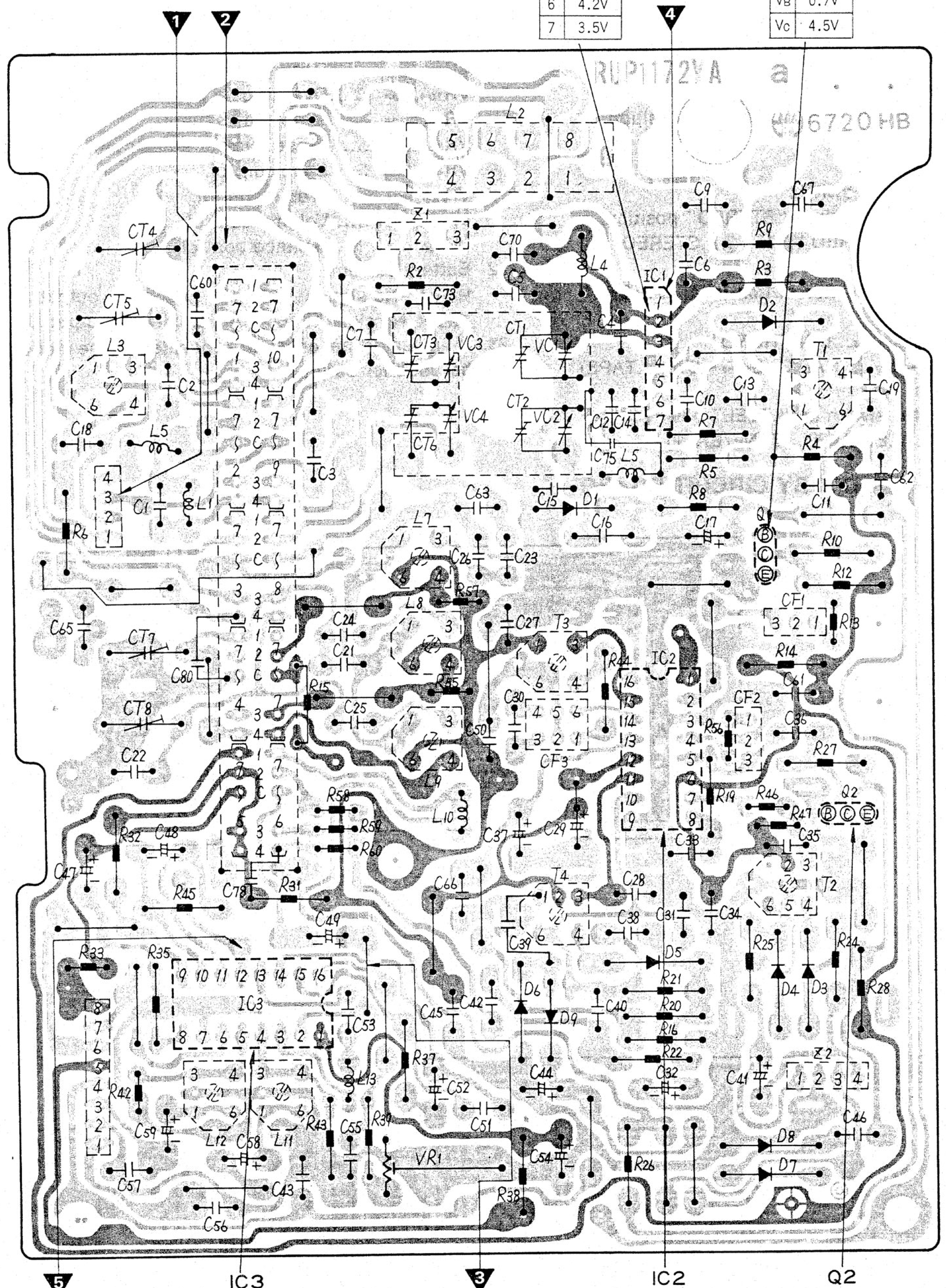
RADIO CIRCUIT BOARD

IC1

	FM
1	3.5V
2	4.4V
3	4.4V
4	0V
5	4.2V
6	4.2V
7	3.5V

Q1

	FM
V_E	0V
V_B	0.7V
V_C	4.5V



IC3

	FM		FM
1	5.6V	9	0.4V
2	1.8V	10	1.4V
3	2.1V	11	1.4V
4	3.5V	12	1.1V
5	3.5V	13	1.4V
6	8.7V	14	1.4V
7	0V	15	1.4V
8	0.3V	16	2V

IC2

	FM		AM
1	5.1V	9	0V
2	0.7V	10	0.7V
3	0V	11	5.2V
4	3.4V	12	5.2V
5	3.9V	13	0.6V
6	5V	14	0.7V
7	5V	15	5.2V
8	3.9V	16	0.7V

Q2

	FM
V_E	0V
V_B	0.7V
V_C	3.3V

ALIGNMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set tone control to center.
3. Set band switch to MW, LW, SW or FM.
4. Set fine tuning to center.
5. Set function selector to radio.
6. Set power source voltage to 12V DC.
7. Output of signal generator should be no higher than necessary to obtain an output reading.

■ LW, MW, AND SW ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR: CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR: FREQUENCY	RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
				AM IF ALIGNMENT			
(1)	MW	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. at 400 Hz	Point of non-interference.	Output meter across voice coil	T_3 (AM 1st IFT) T_4 (AM 2nd IFT)	Adjust for maximum output.
				LW-RF ALIGNMENT			
(2)	LW	〃	145 kHz	145 kHz [11.4mm($\frac{15}{32}$)"]	Output meter across voice coil	L_7 (LW OSC Coil) (＊1) L_2 (LW ANT Coil)	Adjust for maximum output. Adjust L_2 by moving coil bobbin along ferrite core.
(3)	LW	〃	285 kHz	285 kHz [168.9 mm ($6\frac{21}{32}$")]	〃	CT_6 (LW OSC Trimmer) CT_4 (LW ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
(＊1) Cement antenna bobbin with wax after completing alignment.							
				MW-RF ALIGNMENT			
(4)	MW	〃	550 kHz	550 kHz [13.1mm($\frac{17}{32}$")]	Output meter across voice coil	L_8 (MW OSC Coil) (＊2) L_2 (MW ANT Coil)	Adjust for maximum output. Adjust L_2 by moving coil bobbin along ferrite core.
(5)	MW	〃	1,500 MHz	1,500 kHz [174.1 mm ($6\frac{7}{8}$")]	〃	CT_7 (MW OSC Trimmer) CT_3 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
(＊2) Cement antenna bobbin with wax after completing alignment.							
				SW-RF ALIGNMENT			
(6)	SW	Connect to EXT ant. terminal through ceramic capacitor (10 PF). Negative side to earth.	6 MHz	6 MHz [8 mm ($\frac{5}{16}$")]	Output meter across voice coil	L_9 (SW OSC Coil) L_3 (SW ANT Coil)	Adjust for maximum output.
(7)	SW		18 MHz	18 MHz [189.5 mm ($7\frac{13}{32}$")]	〃	CT_8 (SW OSC Trimmer) CT_5 (SW ANT Trimmer)	Adjust for maximum output. Repeat steps (6) and (7).

■ FM ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR: CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR: FREQUENCY	RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
(1)	FM	Connect to test point ▼4 through 0.001μF. Negative side to earth.	10.7 MHz	Point of non-interference.	Connect vert. amp. of scope to test point ▼3. Negative side to test point ▼2.	T_1 (FM IFT) (Primary)	Adjust for maximum amplitude. (Refer to fig. 20.)
(2)	FM	〃	〃	〃	〃	T_2 (FM IFT) (Secondary)	Adjust for maximum amplitude. (Refer to fig. 21.)
				FM-RF ALIGNMENT			
(3)	FM	Connect to test point ▼1 through FM dummy antenna. (Refer to fig. 22.)	87.5 MHz	Variable capacitur fully closed.	Output meter across voice coil.	L_5 (FM OSC Coil)	(＊3) Adjust for maximum output.
(4)	FM	〃	90 MHz	90 MHz [24.3 mm($\frac{31}{32}$")]	〃	L_4 (FM TUNE Coil)	(＊3) Adjust for maximum output.
(5)	FM	〃	106 MHz	106 MHz [171.1 mm ($6\frac{3}{4}$")]	〃	CT_2 (FM OSC Trimmer) CT_1 (FM TUNE Trimmer)	(＊3) Adjust for maximum output. Repeat steps. (3)～(5).

(＊3) Three output responses will be present; proper tuning is the center frequency.

■ SEPARATION ALIGNMENT

ITEM	SIGNAL 90 MHz, 60 dB SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	——	▼5 ...(+) side ▼E ...(−) side	VR_1	19 kHz	Adjust VR_1 for 19 kHz (±150 Hz) reading on electronics counter.

■ AUDIO ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Azimuth	QZZCFM (8 kHz, −20 dB)	EXT SP	Maximum output	Azimuth screw	Playback mode
Playback level	QZZCFM (315 Hz, 0 dB)	▼102 (Lch), ▼202 (Rch) ▼E (−)	0.42±0.02 V	VR_{101} (Lch) VR_{201} (Rch)	Playback mode
VU meter	QZZCFM (315 Hz, 0 dB)	Meter	"0" point 0±1 dB	VR_{105} (Lch) VR_{205} (Rch)	Playback mode
Bias oscillation frequency	——	▼301 ...(+) ▼E ...(−)	66±0.5 kHz	L_{301}	Record mode Beat proof switch→III Tape selector→ CrO_2
Erase current	Use metal tape	▼301 ...(+) ▼E ...(−)	150 +3 −7 mV	VR_{301}	Record mode Beat proof switch→III Tape selector→Metal
Bias trap	——	▼101 (Lch) ▼201 (Rch) ▼E ...(−)	0±0.5 dB	L_{101} (Lch) L_{201} (Rch)	Record mode Beat proof switch...I→II→III
Bias current	Use metal tape	▼101 (Lch) ▼201 (Rch) ▼E ...(−)	Metal 8±0.3 mV CrO_2 4.8±0.3 mV FeCr 4.2±0.3 mV Normal 3.8±0.3 mV	Metal VR_{102} (Lch) VR_{202} (Rch) Normal VR_{302}	Record mode Beat proof switch→III Tape selector→Metal
Overall gain	DIN IN (1 kHz, −13 dB)	▼102 (Lch) ▼202 (Rch) ▼E ...(−)	250±10 mV	VR_{104} (Lch) VR_{204} (Rch)	① Set recording mode and adjust $VR_{103,\ 203}$ (REC LEVEL) for 250 mV reading on electronics voltmeter. ② Record the signal. (1 kHz/−13 dB). ③ Playback the recorded tape and make sure the value at ▼102, ▼202 on electronics voltmeter becomes 250±10 mV.

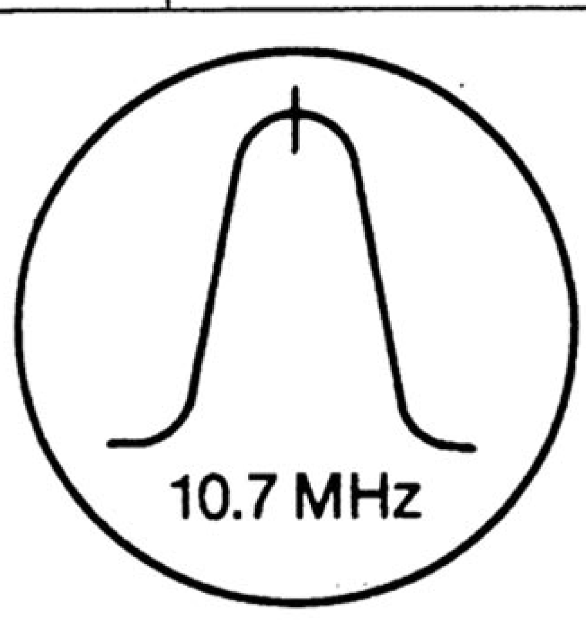


Fig. 20

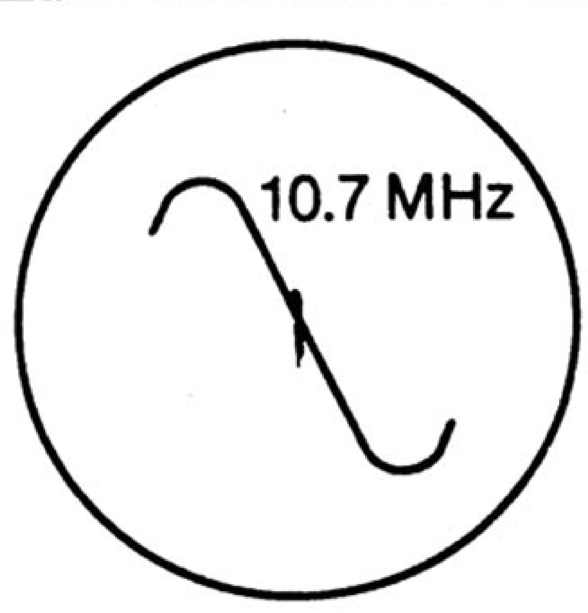


Fig. 21

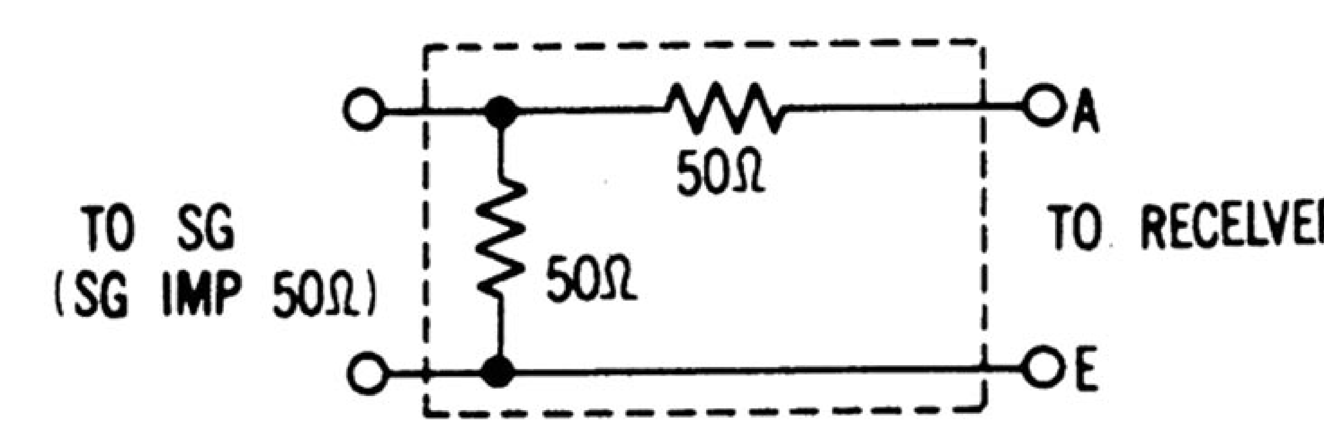


Fig. 22 FM Dummy Antenna

■ ALIGNMENT POINTS

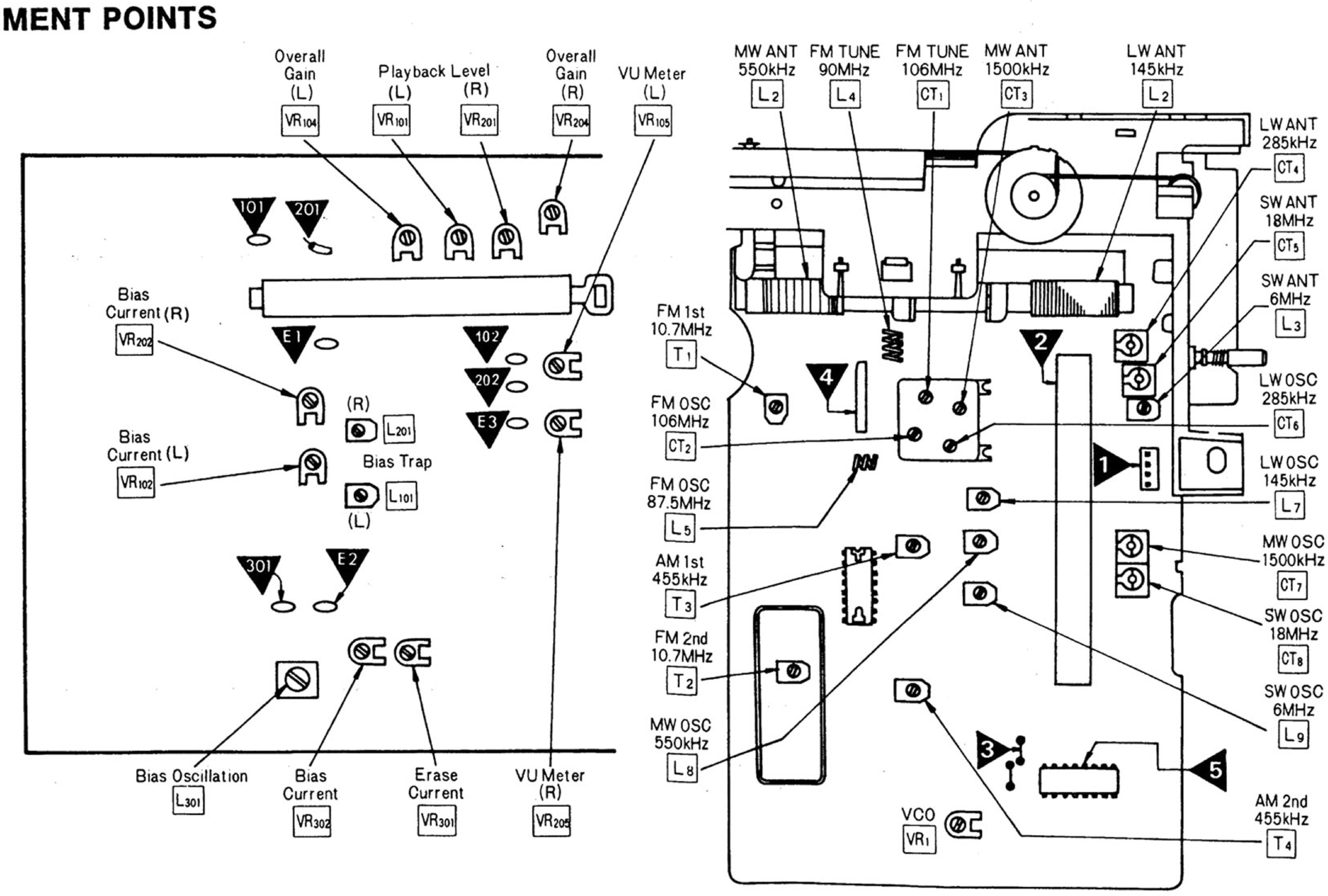
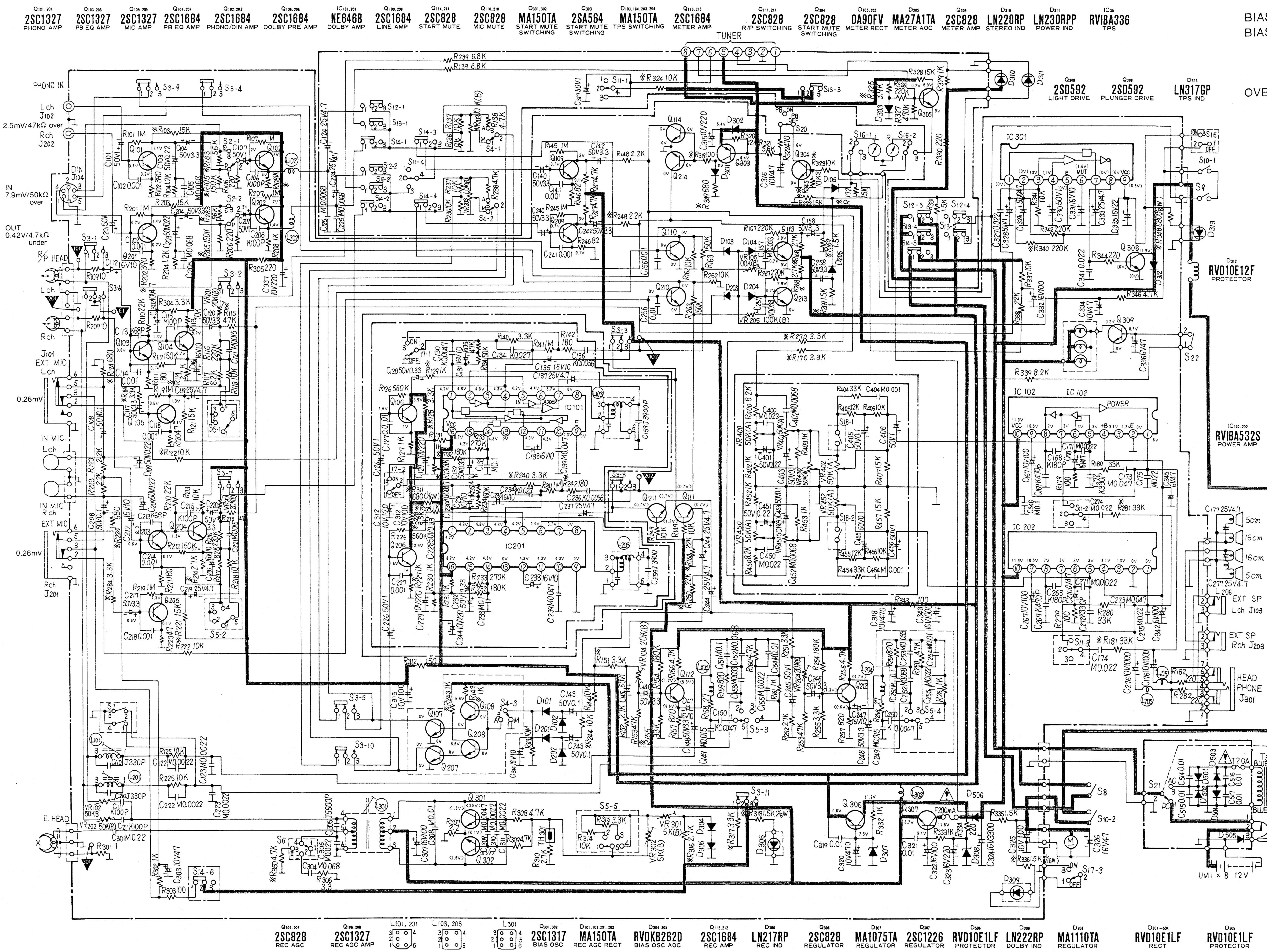


Fig. 23

SCHEMATIC DIAGAM (AUDIO CIRCUIT) MODEL RX-5600LS



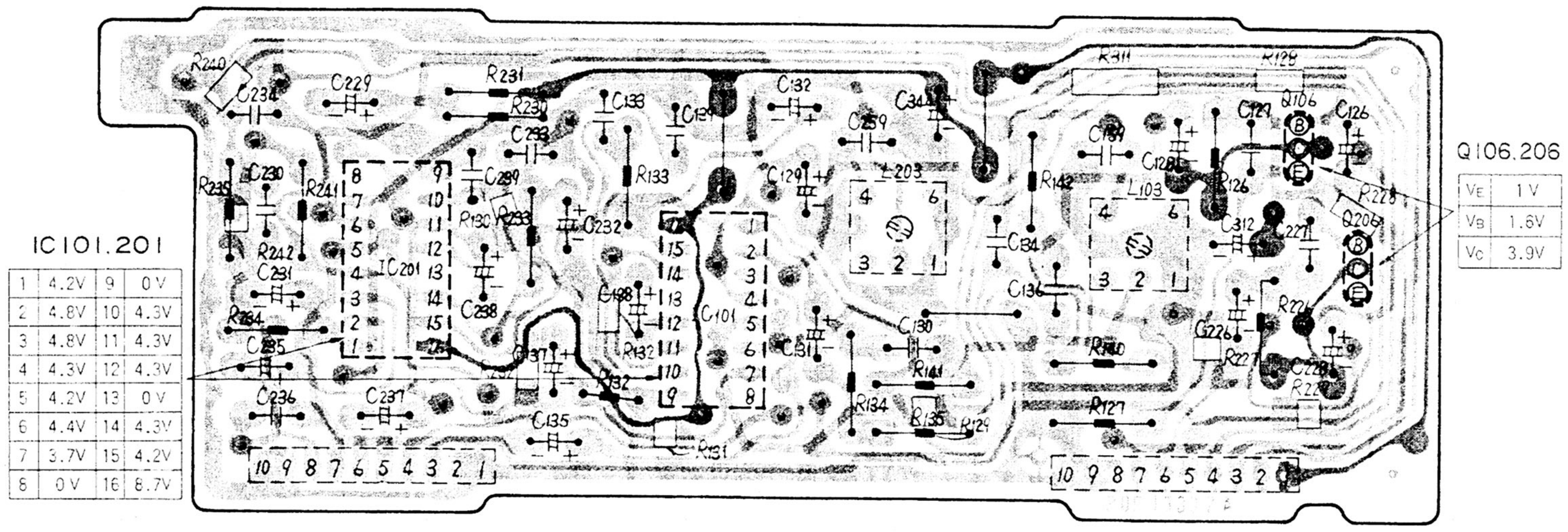
BIAS FREQUENCY 66 ± 0.5 kHz
BIAS VOLTAGE 8 ± 0.3 mV (Metal)
4.8 ± 0.3 mV (CrO_2)
4.2 ± 0.3 mV (FeCr)
3.8 ± 0.3 mV (Normal)
OVERALL FREQUENCY RESPONSE
(Dolby→OUT)

Metal	100 Hz	1 ± 3 dB
	1 kHz	0 dB
	10 kHz	1 ± 5 dB
CrO_2	100 Hz	1 ± 3 dB
	1 kHz	0 dB
	10 kHz	1 ± 5 dB
FeCr	100 Hz	0 ± 3 dB
	1 kHz	0 dB
	10 kHz	1 ± 5 dB
Normal	100 Hz	1 ± 3 dB
	1 kHz	0 dB
	10 kHz	2.5 ± 5 dB

Notes:

1. S_{2-1}, S_{2-2}: Phono/Din in switch in "PHONO" position.
   (①...PHONO, ③...DIN IN)
2. S_{3-1}~S_{3-11}: Recording/Playback switch in "Play" position.
3. S_{4-1}~S_{4-3}: Recording mode switch in "MANUAL" position.
   (①...MANUAL, ③...EASY-MATIC)
4. S_{5-1}~S_{5-5}: Tape selector switch in "NORMAL" position.
   (①...NORMAL, ②...FeCr, ③...CrO_2, ④...METAL)
5. S_6: Beat proof switch in " I " position.
   (①...I, ②...II, ③...III)
6. S_7: Rec mute ON/OFF switch in "OFF" position.
7. S_8: Playback switch.
8. S_9: FF/REW switch.
9. S_{10-1}, S_{10-2}: Playback switch.
10. S_{11-1}~S_{11-4}: Mode switch in "STEREO" position.
    (①...STEREO WIDE, ②...STEREO, ③...MONO)
11. S_{12}~S_{14}: Function selector switch in "TAPE/OFF" position.
    (S_{12-1}~S_{12-4}...DIN/PHONO, S_{13-1}~S_{13-5}...RADIO, S_{14-1}~S_{14-6}...TAPE)
12. S_{15}: TPS switch.
13. S_{16-1}, S_{16-2}: Meter switch in "LEVEL" position.
    (①...LEVEL, ②...TUNE/BATT)
14. S_{17-1}~S_{17-3}: Dolby switch in "OUT" position.
15. S_{18-1}, S_{18-2}: Loudness switch in "OFF" position.
16. S_{19}: Voltage selector switch.
17. S_{20}: Muting switch in "OFF" position.
18. S_{21}: AC/DC selector switch.
19. S_{22}: Light switch.
20. DC voltage measurements are taken with electronics voltmeter based on negative terminal of battery.
    〈 〉...Recording position, [ ]...TPS ON position,
    Q_{309}...Light ON position.
21. $VR_{101, 201}$ ......Playback level adjustment.
    $VR_{102, 202, 302}$...Bias current adjustment.
    $VR_{103, 203}$ ......Recording level adjustment.
    $VR_{104, 204}$ ......Overall gain adjustment.
    $VR_{105, 205}$ ......Meter adjustment.
    VR_{301} ....Erase current adjustment.
    $VR_{400, 450}$ ......Bass control.
    $VR_{401, 451}$ ......Treble control.
    $VR_{402, 452}$ ......Volume control.
    VR_{430} ....Balance control.
22. Battery current.
    Radio: No signal...160 mA Maximum output...1.68A
    Tape: No signal...160 mA Maximum output...1.8A
23. ⚠ indicates that only parts specified by the manufacture be used for safety.

■ DOLBY CIRCUIT BOARD



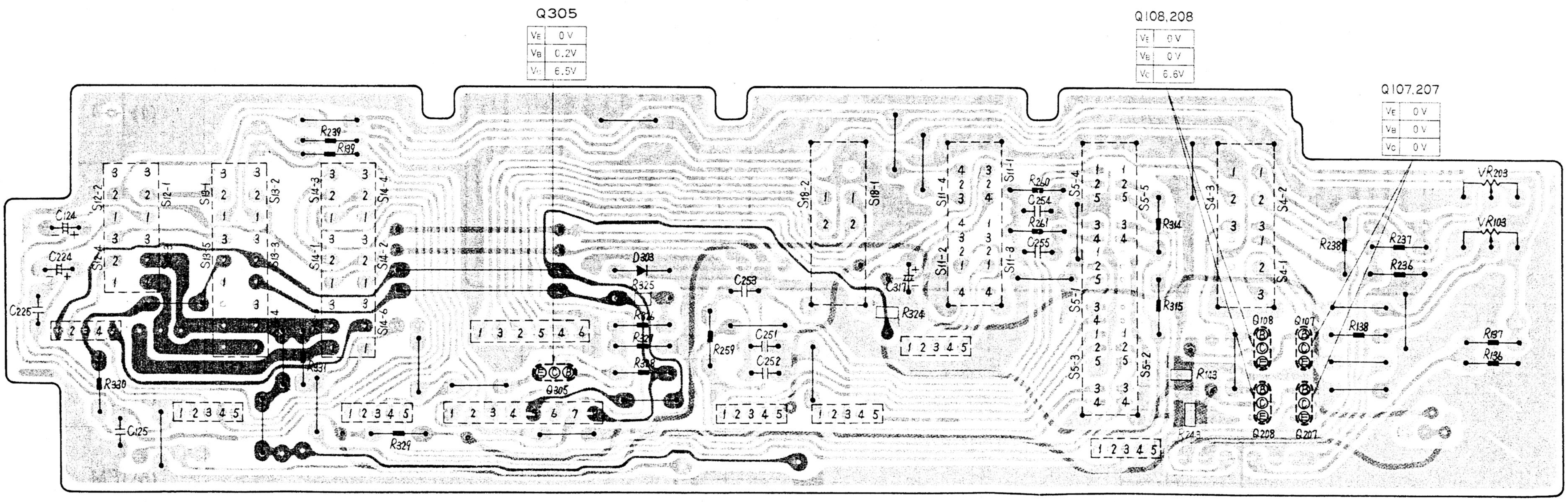
IC101.201

1	4.2V	9	0V
2	4.8V	10	4.3V
3	4.8V	11	4.3V
4	4.3V	12	4.3V
5	4.2V	13	0V
6	4.4V	14	4.3V
7	3.7V	15	4.2V
8	0V	16	8.7V

Q106.206

VE	1V
VB	1.6V
VC	3.9V

■ SWITCH CIRCUIT BOARD



Q305

VE	0V
VB	0.2V
VC	6.5V

Q108.208

VE	0V
VB	0V
VC	6.6V

Q107.207

VE	0V
VB	0V
VC	0V

AUDIO CIRCUIT BOARD

Q103,203

V_E	0.1V
V_B	0.6V
V_C	1.3V

Q105,205

V_E	0.1V
V_B	0.6V
V_C	1.3V

Q109,209

V_E	0.1V
V_B	0.7V
V_C	3V

Q110,210

V_E	0V
V_B	0V
V_C	0V

Q111

	REC
V_E	0.7V
V_B	1.3V
V_C	0.7V

Q212

	REC
V_E	0.6V
V_B	1.3V
V_C	4.7V

Q112

	REC
V_E	0.6V
V_B	1.2V
V_C	5.3V

Q211

	REC
V_E	0.7V
V_B	1.3V
V_C	0.7V

Q102,202

V_E	1.4V
V_B	2V
V_C	7V

Q101,201

V_E	0.2V
V_B	0.7V
V_C	1.4V

Q104,204

V_E	0.7V
V_B	1.3V
V_C	5.2V

Q304

V_E	0V
V_B	0V
V_C	6V

IC301

TPS ON			
1	0V	6	1.6V
2	0V	7	0V
3	0V	8	0V
4	1V	9	8.5V
5	0V		

Q114,214

V_E	0V
V_B	0V
V_C	0V

Q303

V_E	6.4V
V_B	6.4V
V_C	0V

Q309

	LIGHT ON
V_E	0V
V_B	0.7V
V_C	0.2V

Q308

	TPS ON
V_E	0V
V_B	0V
V_C	11.9V

Q113,213

V_E	0V
V_B	0.7V
V_C	2.9V

Q306

V_E	6.6V
V_B	7.3V
V_C	11.2V

Q307

V_E	8.7V
V_B	9.4V
V_C	11.6V

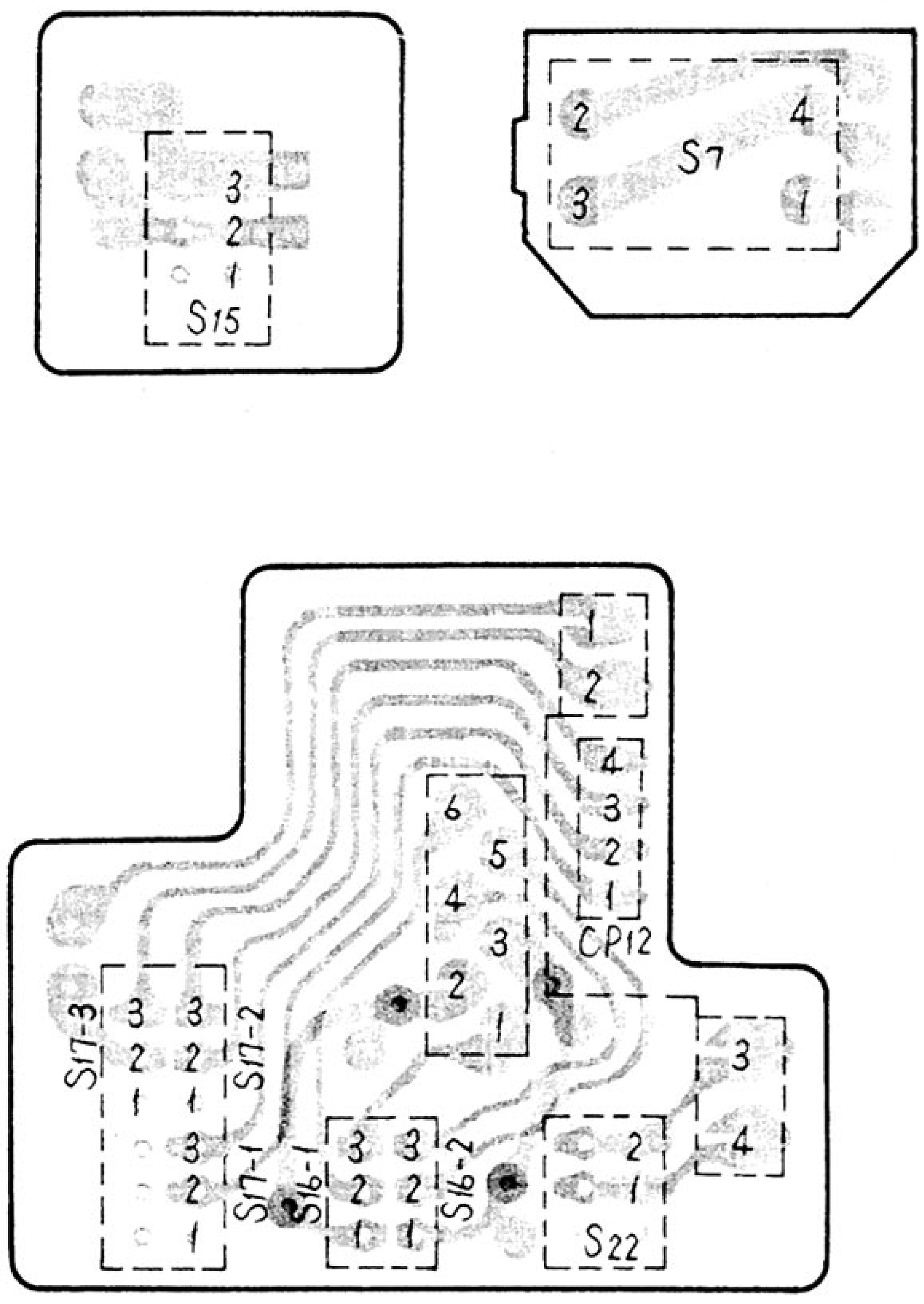
Q301,302

	REC
V_E	0.1V
V_B	0.5V
V_C	1.6V

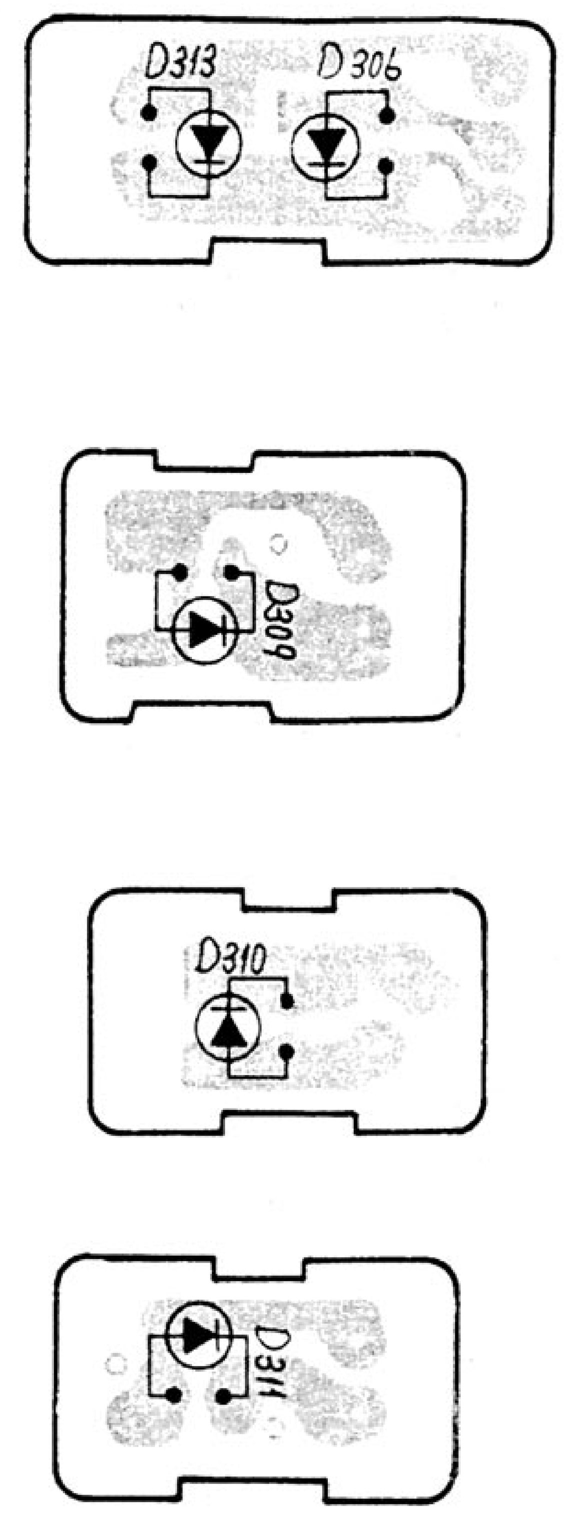
IC102,202

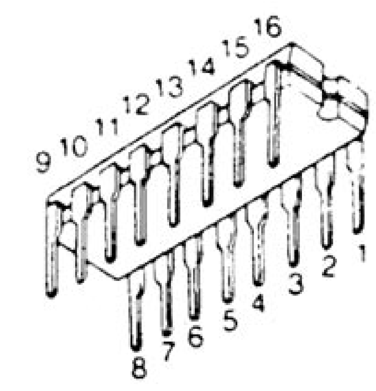
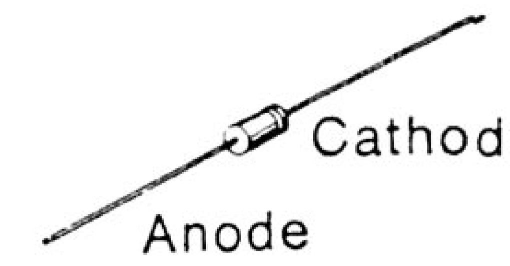
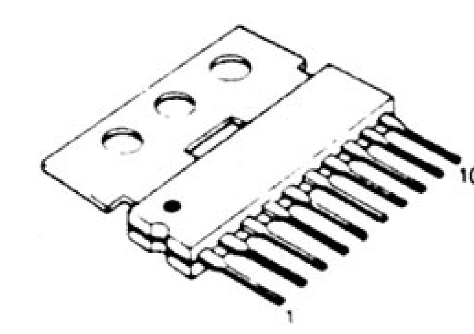
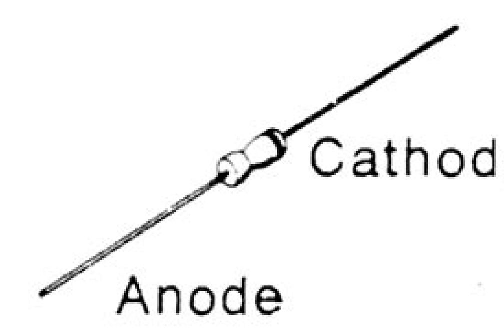
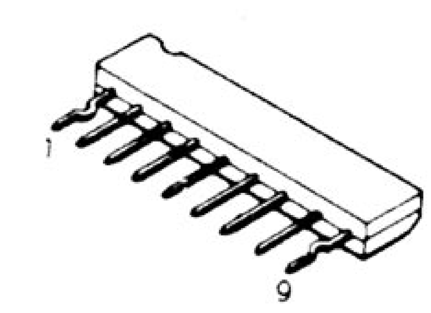
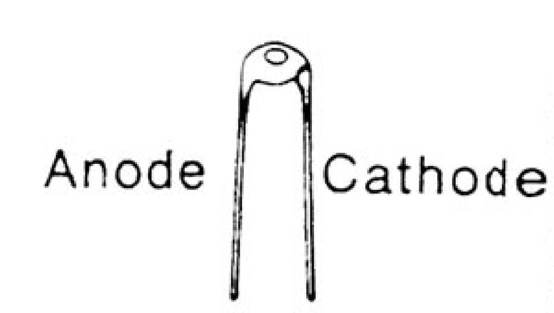
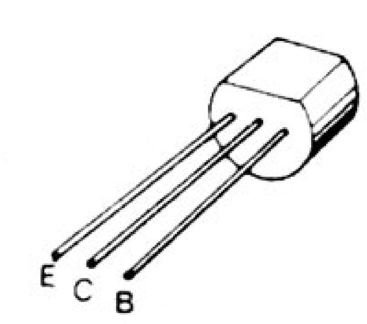
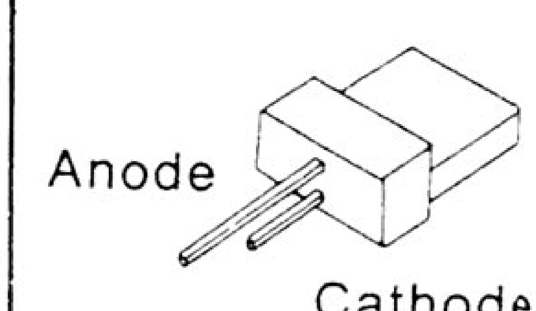
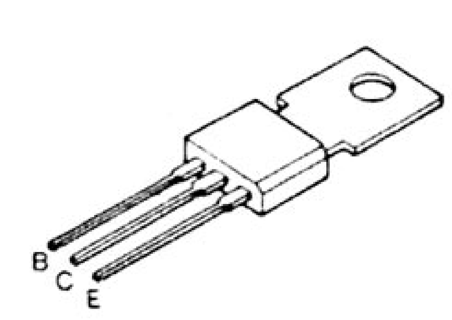
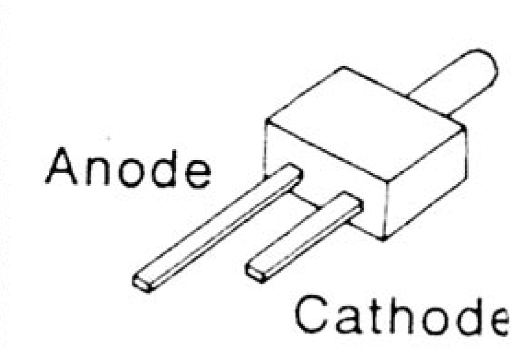
1	6V	6	3V
2	0V	7	3V
3	1.3V	8	7V
4	3.1V	9	10.5V
5	3V	10	11.9V

■ SWITCH CIRCUIT BOARD

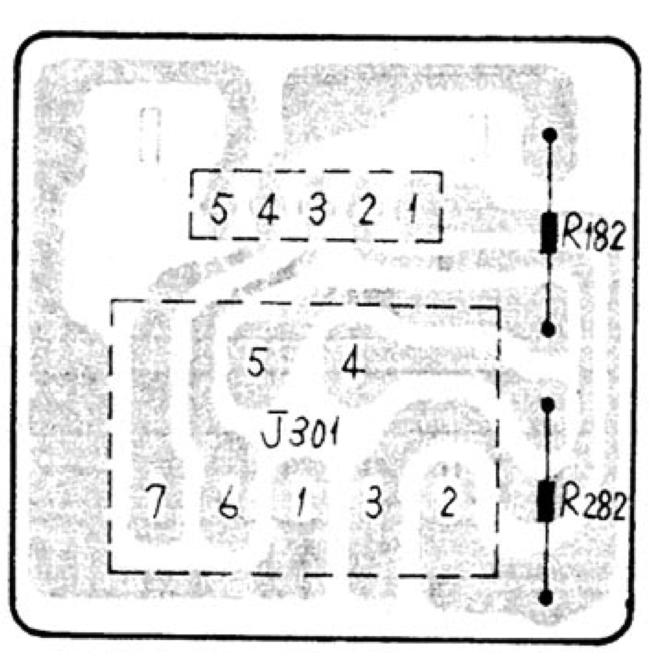


■ LED CIRCUIT BOARD

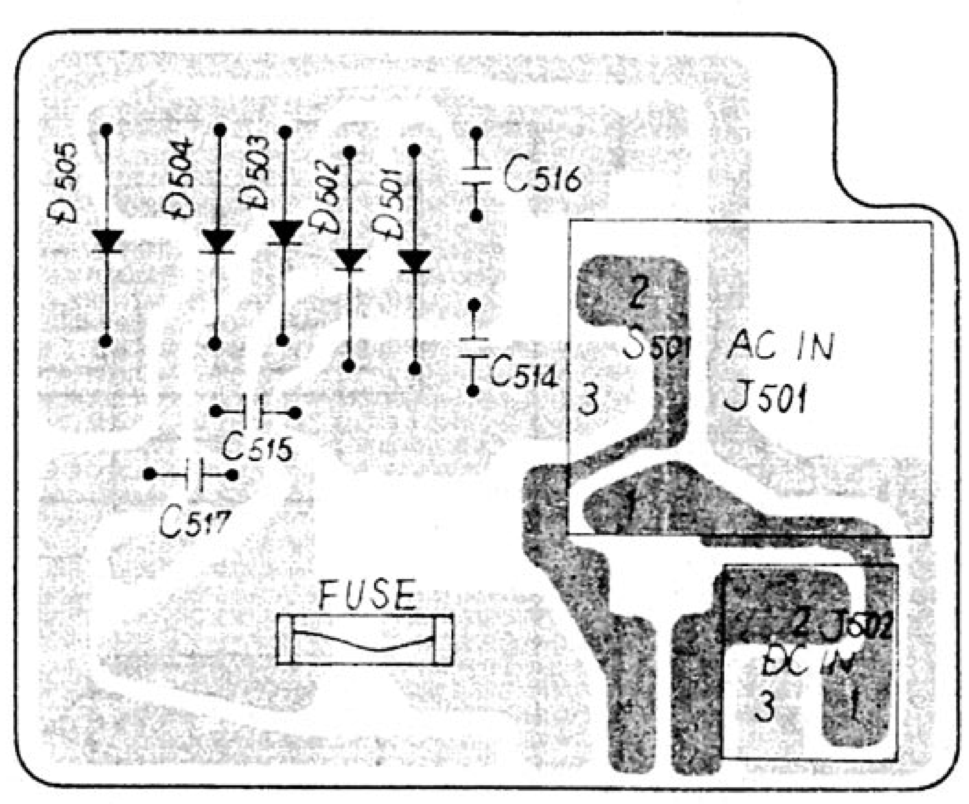


 IC101, 201	 D101∼104, 201∼204 301, 302, 303, 307 308, 312, 501∼506
 IC102, 202	 D105, 205
 IC301	 D304, 305
 Q101∼114, 201∼214 301∼306, 308, 309	 D306, 310, 313
 Q307	 D309, 311

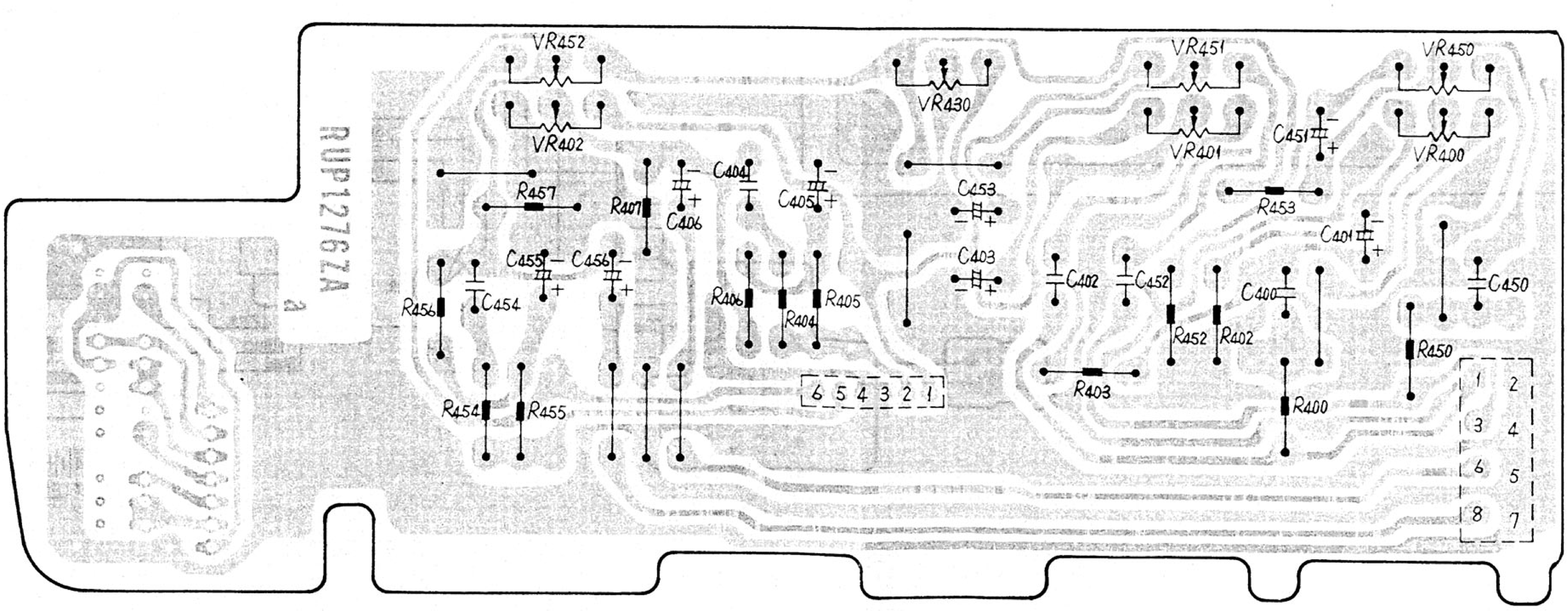
■ HEADPHONE CIRCUIT BOARD



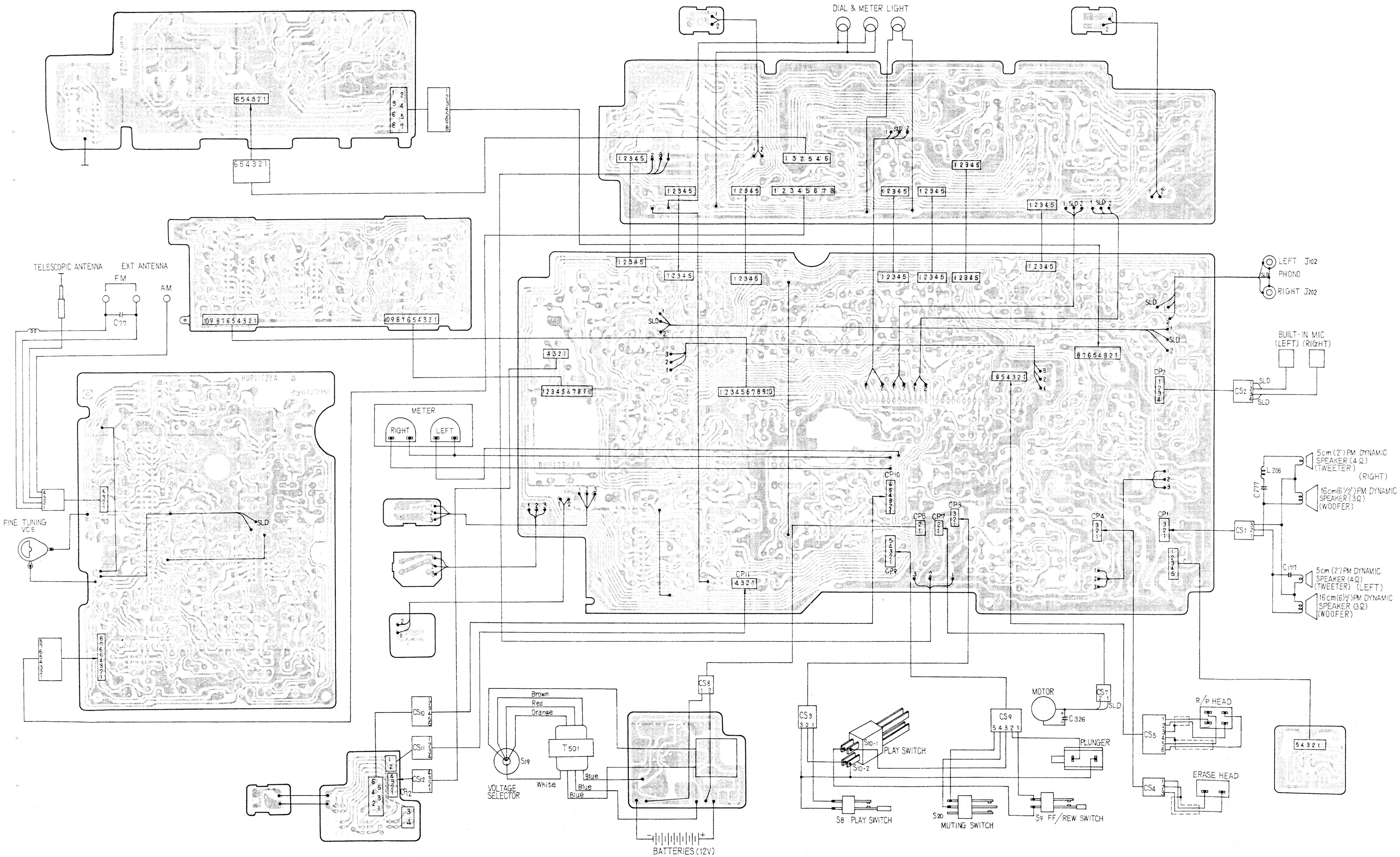
■ POWER SOURCE CIRCUIT BOARD



■ VOLUME CIRCUIT BOARD



WIRING CONNECTION DIAGRAM MODEL RX-5600LS



EXPLODED VIEW

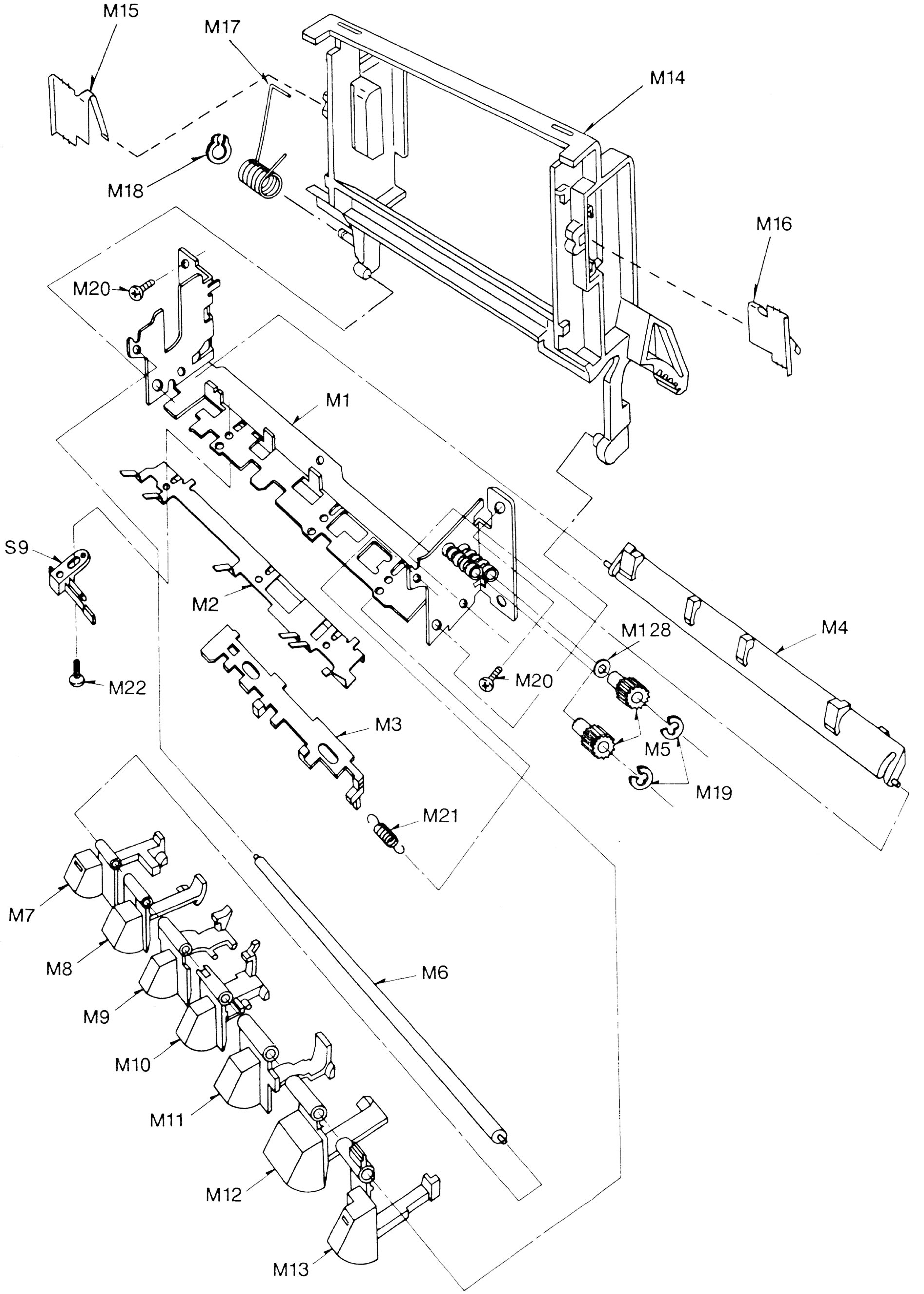


Fig. 24

SPECIFICATIONS

Pressure of pressure roller	350 ± 50 gr
Takeup tension	45 + 15 gr-cm − 10
Wow and flutter	Less than 0.05% (WRMS)

Fig. 25


M79
M85
M91
M92
M113
M80
M86
M93
M87
M90
M88
M103
M101
M102
M89
M54
M114
M115
M116
M104
M94
M88
M95
M107
E36
M54
M83
M84
M81
M106
M88
M88
M117
M118
M96
M97
M88
M100
M105
M121
M119
M82
M98
M99
S10
M111
S20
M110
M108
M125
M120
M122
M123
M102
M120
M109
M78
M112
M123

Fig. 26

RX-5600LS DEUTSCH

■ TECHNISHE DATEN

Stromversorgung: Wechselstrom: 100~110/115~127/200~220/230~250 V, 50/60 Hz
Batterien: 12 V (acht Trockenbatterien UM-1, Größe D)
Auto-oder Bootsbatterie: über eine Auto/Bootsadapter (RP-952: als Sonderzubehör erhältlich) anschließbar
Leistungsaufnahme: 28 W (bei Netzbetrieb)
Ausgangsleistung: 16 W eff. (RMS max.)
Frequenzbereich: 40~12.000 Hz (Normal Band)
40~14.000 Hz (FeCr-Band)
40~14.000 Hz (CrO_2-Band)
40~16.000 Hz (with Metall-Band)
Aufnahmesystem: Wechselstrom-Vormagnetisierung, Wechselstromlöschung
Bandgeschwindigkeit: 4,8 cm/s
Gleichlaufschwankungen: 0,05% (WRMS)
Spieldauer: 1 Stunde mit Cassette C-60
Spurlage: Stereoaufnahme und -wiedergabe auf 4 Spuren/2 Kanälen
Eingangsspannungen: MIC: Empfindlichkeit 0,26 mV, Mikrofonimpedanz 200~600Ω (empfohlenes Mikrofon; RP-8135)
PHONO: Empfindlichkeit mind. 2,5 mV/47 kΩ
DC IN: 13,2 V
Ausgangsimpedanzen: EXT SP: 3~8Ω
HEADPHONE: 8Ω

REC/PB-Anschlußbuchse: 5 polige DIN-Buchse
IN: Empfindlichkeit 7,9 mV (50 kΩ)
OUT: Ausgangspegel 0,42 V (4,7 kΩ)
Lautsprecher: Tieftonlautsprecher: dynamischer PM-Lautsprecher, Ø16 cm (3Ω)
Hochtonlautsprecher: dynamischer PM-Lautsprecher, Ø5 cm (4Ω)
Wellenbereiche: UKW: 87,5~108 MHz
LW: 150~285 kHz (2000~1060 m)
MW: 520~1610 kHz (577~186 m)
KW: 5,9~18 MHz (50,8~16,7 m)
Zwischenfrequenz: FM: 10,7 MHz
AM: 455 kHz
Empfindlichkeit: UKW: 2 μV bei 50 mW Ausgangsleistung
LW: 170 μV/m bei 50 mW Ausgangsleistung
MW: 100 μV/m bei 50 mW Ausgangsleistung
KW: 6 μV bei 50 mW Ausgangsleistung
Abmessungen (B×H×T): 564×325×162 mm (22-1/4"×12-3/4"×6-3/8")
Gewicht (ohne Batterien): 7,4 kg (16 lb. 5 oz.)

Änderungen vorbehalten.

ABGLEICH

■ VORGANGSWEISE BEIM ABGLEICH

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFALTIG DURCHLESEN

1. Den Lautstärkeregler in die Maximalposition stellen.
2. Den Klangeregler in die Mittelposition stellen.
3. Den Wellenbereichsschalter auf MW, LW, KW oder FM stellen.
4. Den "Tape/Radio"-Wahlschalter auf "radio" stellen.
5. Eine Stromquelle von 12 V Gleichsspannung anlegen.
6. Der Signalgeneratorausgang sollte nicht größer sein, als für eine Ausgangsanzeige unbedingt notwendig ist.

■ LW-, MW- UND KW-ABGLEICH

	WELLENBAND	SIGNALGENERATOR oder WOBBELGENERATOR		STELLUNG DES ABSTIMM-REGLERS	MESSGERÄT (ELEKTRONIK-VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
		ANSCHLÜSSE	FREQUENZ				
	AM-ZF-ABGLEICH						
(1)	MW	Aus einem Draht einige Schleifen-bilden und das Signal in die Empfängerschleife abstrahlen.	455 kHz, 30% mode. (Modula-tionsfrequenz 400 Hz)	Der Abstimmpunkt, wo keine Interferenz auftritt.	Ausgangslei-stungsmesser parallel zur Lautsprecher-Schwingspule	T3 (1. AM-ZF-Abgleich) T4 (2. AM-ZF-Abgleich)	Die maximale Ausgangsleistung einstellen.
	LW-HF-ABGLEICH						
(2)	LW	"	145 kHz	145 kHz [11,4 mm (15/32")]	Ausgangslei-stungsmesser parallel zur Lautsprecher-Schwingspule	L7 (LW-Oszillatorspule) (*1) L2 (LW-Antennenspule)	Die maximale Ausgangsleistung einstellen. L2 durch Verschieben am Ferritkern abgleichen.
(3)	LW	"	285 kHz	285 kHz [168,9 mm (6-21/32")]	"	CT6 (LW-Oszil-latortrimmer) CT4 (LW-Anten-nentrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (2) und (3) wiederholen.
	(*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.						
	MW-HF-ABGLEICH						
(4)	MW	Aus einem Draht einige Schleifen-indungen bilden und das Signal in die Empfängerschleife abstrahlen.	550 kHz	550 kHz [13,1 mm (17/32")]	Ausgangslei-stungsmesser parallel zur Lautsprecher-Schwingspule	L8 (MW-Oszillatorspule) (*2) L2 (MW-Antennenspule)	Die maximale Ausgangsleistung einstellen. L2 durch Verschieben am Ferritkern abgleichen.
(5)	MW	"	1.500 kHz	1.500 kHz [174,1 mm (6-7/8")]	"	CT7 (MW-Oszil-latortrimmer) CT3 (MW-Anten-nentrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (4) und (5) wiederholen.
	(*2) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.						
	KW-HF-ABGLEICH						
(6)	KW	"	6 MHz	6 MHz [8 mm (5/16")]	Ausgangslei-stungsmesser parallel zur Lautsprecher-Schwingspule	L9 (KW-Oszillatorspule L3 (KW-Antennenspule)	Die maximale Ausgangsleistung einstellen.
(7)	KW	"	18 MHz	18 MHz [189,5 mm (7-13/32")]	"	CT8 (KW-Oszil-latortrimmer) CT5 (KW-Anten-nentrimmer)	Die maximale Ausgangsleistung einstellen. Die Schritte (6) und (7) wiederholen.

■ FM-ABGLEICH

	WELLENBAND	SIGNALGENERATOR oder WOBBELGENERATOR		STELLUNG DES ABSTIMM-REGLERS	MESSGERÄT (RÖHREN-VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
		ANSCHLÜSSE	FREQUENZ				
	FM-ZF-ABGLEICH						
(1)	UKW	Über einen 0,001 μF-Kondensator an den Meßpunkt ▼ anschließen. Den negativen Ausgang erden,	10,7 MHz	Der Abstimmpunkt, wo keine interferenz auftritt.	Die Vertikal-amplitude des Oszilloskops an den Meßpunkt ▼ anschließen. Den negativen Augang Meßpunkt ▼.	T1 (FM-ZF-Abgleich) (Primärspule)	Die Maximalamplitude einstellen. (Siehe Abb. 20.)
(2)	UKW	"	"	"	"	T2 (FM-ZF-Abgleich) (Sekundärspule)	Die Maximalamplitude einstellen. (Siehe Abb. 21.)
	FM-HF-ABGLEICH						
(3)	UKW	Über eine künstliche UKW-Antenne an den Meßpunkt ▼ anschließen. (Siehe Abb. 22.)	87,5 MHz	Drehkondensator ganz geschlossen.	Ausgangslei-stungsmesser parallel zur Lautsprecher-Schwingspule	L5 (FM-Oszillatorspule)	(*3) Die maximale Ausgangsleistung einstellen.
(4)	UKW	"	90 MHz	90 MHz [24,3 mm (31/32")]	"	L4 (FM-Abstimmspule)	(*3) Die maximale Ausgangsleistung einstellen.
(5)	UKW	"	106 MHz	106 MHz [171,1 mm (6-3/4")]	"	CT2 (FM-Oszillatortrimmer) CT1 (FM-Abstimmtrimmer)	(*3) Die maximale Ausgangsleistung einstellen. Die Schritte (3) und (5) wiederholen.
	(*3) Es gibt drei verschiedene Ausgangsfrequenzkurven. Stimmen Sie die Mittelfrequenz ab.						

■ KANALTRENNUNGS-ABGLEICH

PRÜFUNG	SIGNAL 90 MHz, 60 dB, SOURCE-ANSCHLUSS	GERÄTEANSCH-LUSS (ELEKTRON-ISCHER ZÄHLER)	EINSTELLUNG	ANGABEN	BEMERKUNGEN
Einstellung des Pilottons	—	▼...(+)-seite ▼...(−)-seite	VR1	19 kHz	Mit dem elektronischen Zahler den Spannungskonstanthalter (VR1) auf 19 kHz (±200 Hz) einstellen.

■ NF-ABGLEICH

EINSTELLUNG	EINGANG	MESSPUNKT	MESSWERT	EINSTELL-PUNKT	BEMERKUNGEN
Azimut	QZZCFM (8 kHz, −20 dB)	EXT SP	Die maximale Ausgangsleistung einstellen.	Azimut-Einstellschraube	bei Wiedergabe
Wieder-gabepegel	QZZCFM (315 Hz, 0 dB)	▼102 (linker Kanal) ▼202 (rechter Kanal) ▼E (Masse)	0,42±0,02 V	VR101 (linker Kanal) VR201 (rechter Kanal)	bei Wiedergabe
VU-anzeige	QZZCFM (315 Hz, 0 dB)	Anzeige	"0" 0±1 dB	VR105 (linker Kanal) VR205 (rechter Kanal)	bei Wiedergabe
Oszillations frequenz für Vormagnetisi-erung	—	▼301 ▼E	66±0,5 kHz	L301	bei Aufnahme Oszillator→III Bandsortenwähler ... CrO_2
Löschstrom	für METAL Band	▼301 ▼E	150 +3 mV −7	VR301	bei Aufnahme Oszillator→III Bandsortenwähler ... METAL
Vormagnetisier-ungssperre	—	▼101 (linker Kanal) ▼201 (rechter Kanal) ▼E (Masse)	0±0,5 dB	L101 (linker Kanal) L201 (rechter Kanal)	bei Aufnahme Oszillator→I→II→III
Vormagnetisie-rungsstrom	für METAL Band	▼101 (linker Kanal) ▼201 (rechter Kanal) ▼E (Masse)	METAL 8±0,3 mV CrO_2 4,8±0,3 mV FeCr 4,2±0,3 mV Normal 3,8±0,3 mV	METAL VR102 (linker Kanal) VR202 (rechter Kanal) Normal VR302	bei Aufnahme Oszillator→III Bandsortenwähler ... METAL
Gesamt-verstärkung	DIN IN (1 kHz, −13 dB)	▼102 (linker Kanal) ▼202 (rechter Kanal) ▼E (Masse)	250±10 mV	VR104 (linker Kanal) VR204 (rechter Kanal)	1. Auf Aufnahme schalten und den Bandsortenwähler auf "Normal" stellen. 2. Den Aufnahmepegel (REC LEVEL) so regeln, daß der Pegel (bei Vorderbandkontrolle) an den Meßpunkten ▼102 und ▼202 250 mV beträgt. 3. Das bespielte Band wiedergeben. Kontrollieren, ob der Wert, der an der ▼102, ▼202 vom Elektronik-volt-meter angezeigt wird, 250±10 mV beträgt.

Bemerkungen:

1. S7-1~S7-10 ..... Wellenbereichsschalter auf "UKW". (1 ... UKW, 2 ... LW, 3 ... MW, 4 ... KW).
2. S2-1, S2-2 .... PHONO/DIN-Eingang-Schalter auf "PHONO". (① ... PHONO, ③ DIN-Eingang)
3. S3-1~S3-11 ..... Aufnahme-/Wiedergabeschalter auf „Wiedergabe".
4. S4-1~S4-3 ...... Aufnahmeschalter auf „manuell". (① ... manuell, ③ ... Aussteuerungsautomatik „Easy-matic")
5. S5-1~S5-5 ...... Bandsortenwähler auf „normal". (① ... normal, ② ... FeCr, ③ ... CrO_2 ④ ... Metall)
6. S6 .... Oszillator-Schalter auf „I". (① ... I, ② ... II, ③ ... III)
7. S7 .... Leeraufnahmeschalter auf „AUS".
8. S8 .... Wiedergabetaste
9. S9 .... Schnellvorlauf-, Rückspultaste.
10. S10-1, S10-2 .... Wiedergabetaste
11. S11-1~S11-4 .... Betriebsart Schalter auf "Stereo". (① ... Stereo wide, ② ... Stereo, ③ ... Mono)
12. S12~S14 .... Funktionsschaltter auf „Cassette"/AUS". (S12-1~S12-4 ... PHONO/DIN-Eingang, S13-1~S13-5 ... Radio S14-1~S14-6 .... Cassette)
13. S15 .... TPS-Schalter.
14. S16-1, S16-2 .... Anzeigenwählerauf auf „Ausangsleistung". (① ... Ausgangsleistung, ③ ... Abstimmung & Batterie)
15. S17-1~S17-3 .... Dolbyschalter auf "AUS"
16. S18-1, S18-2 .... Schalter für gehörrichtige Lautstärke auf „AUS".
17. S19 .... Netzspannungswähler
18. S20 .... Schalter zur Geräuschunterdrückung auf „AUS".
19. S21 .... Wahlschalter für Gleichstrom oder Wechselstromberieb
20. S22 .... Lichtschalter
21. Alle Gleichspannungen sind mit einem Elektronikvoltmeter vom negativen Batterieanschluß aus zu messen. ☐ ... Stellung „FM", ( ) ... Stellung „AM", < >Stellung „Aufnahme". [ ]Stellung TPS, Q309 ... Stellung „Lichtchalte auf EIN".
22. VR101, 201 ...... Ausgangspegelregler für die Wiedergabe
    VR102, 202, 302 . RW zur Einstellung des Vormagnetisierungsstroms
    VR103, 203 ...... Aussteuerungsregler
    VR104, 204 ...... RW zur Einstellung der Gesamtverstärkung
    VR105, 205 ...... Anzeigenregler
    VR301 .... RW zur Einstellung des Löschstroms
    VR400, 450 ...... Baßregler
    VR401, 451 ...... Höhenregler
    VR402, 452 ...... Lautstärkleregler
    VR430 .... Balanceregler
23. Batteriestrom: ohne Signal .... 160 mA
    bei maximaler Ausgangsleistung (Radio) 1,68A
    bei maximaler Ausgangsleistung (Cassette) 1,8A
24. Für die Bauelemente, die mit ⚠ bezeichnet sind, sollen aus Gründen der Betriebssicherheit nur die originalbauteile des Herstellers verwendet werden.

RX-5600LS FRANCAIS

■ SPECIFICATIONS

Généralités:	c.a. 100 à 110/115 à 127/200 à 220/230 à 250 V 50/60 Hz Piles; 12 V (huit piles sèches UM-1, dimension D) batterie pour auto/bateau; avec adaptateur (RP-952) auto/bateau en option
Consommation:	28 W (c.a. seulement)
Puissance de sortie:	16 W . . . (RMS max.)
Gamme de fréquence:	40 à 12.000 Hz (avec bande normale) 40 à 14.000 Hz(avec bande FeCr) 40 à 14.000 Hz (avec bande CrO_2) 40~16.000 Hz (avec bande Métallique)
Système d'enregistrement:	plarisation c.a., effacement c.a.
Vitesse de bande:	4,8 cm/sec.
Pleurage et scintillement:	0,05% (WRMS)
Durée de lecture:	1 heure avec cassette C-60
Pistes:	enregistrement et lecture stéréo 4 pistes, 2 canaux
Entrée:	MIC; sensibilité 0,26 mV; impédance applicable pour microphone 200~600 Ω (microphone recommandé RP-8135) DC IN; 13,2 V
PHONO:	sensibilité 2,5 mV/47 kΩ ou plus
Sortie:	EXT SP; 3 à 8Ω HEADPHONE; 8Ω
Branchement REC/PB	fiche DIN à 5 broches IN; sensibilité 7,9 mV (50 kΩ) OUT; sortie 0,42 V (4,7 kΩ)
Haut-parleur:	Haut-parleur des graves; 16 cm haut-parleur dynamique à aimant permanent (3Ω) Haut-parleur des aigus; 5 cm haut-parleur dynamique à aimant permanent (4Ω)
Fréquence radio:	FM; 87,5 à 108 MHz GO; 150 à 285 kHz (2000 à 1060 m) PO; 520 à 1610 kHz (577 à 186 m) OC; 5,9 à 18 MHz (50,8 à 16,7 m)
Fréquence intermédiaire:	FM; 10,7 MHz AM; 455 kHz
Sensibilité:	FM; 2 μV pour une sortie de 50 mW GO; 170 μV/m pour une sortie de 50 mW PO; 100 μV/m pour une sortie de 50 mW OC; 6 μV pour une sortie de 50 mW
Dimensions (l×h×Pr) mm:	564×325×162 mm (22-1/4"×12-3/4"×6-3/8")
Poids kg:	7,4 sans piles

Les spécifications sont sujettes à des changements sans préavis.

ALIGNEMENTS

■ REGLAGE

AVANT DE PROCEDER AUX ALIGNEMENTS LIRE ATTENTIVEMENT CE QUI SUIT

1. Le potentiomètre de volume au maximum.
2. Les commande de tonalite et aigus au centre.
3. Le sélecteur de bande sur MW (PO), LW (GO), SW (OC), ou FM.
4. Le sélecteur bande/radio sur "radio".
5. Régler la tension sur 12 V c.c.
6. Régler la sortie du générateur étalonné de façon à ne pas surcharger les circuits.

ALIGNEMENT GO, PO, et OC

	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADARAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE ELECTRO-NIQUES)	REGLAGE	OBSERVATIONS
		BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT FI sur AM						
(1)	PO	Via une bobine de fil couplée à l'antenne.	455 kHz (modulation de 30% à 400 Hz)	Point de non-interférence	Voltmètre branché à la bobine oscillatrice	T3 (AM 1er IFT) T4 (AM 2er IFT)	Régler pour une sortie maximum.
	ALIGNEMENT HF sur GO						
(2)	GO	"	145 kHz	145 kHz [11,4 mm (15/32")]	Voltmètre branché à la bobine oscillatrice	L7 (bobine d'oscillateur GO) (*1) L2 (bobine d'antenne GO)	Régler pour une sortie maximum en glissant la bobine L2 le long du noyau en ferrite.
(3)	GO	"	285 kHz	285 kHz [168,9 mm (6-21/32")]	"	CT6 (trimmer d'oscillateur GO) CT4 (trimmer d'antenne GO)	Régler pour une sortie maximum. Refaire les étapes (2) et (3).
	(*1) Sceller la bobine d'antenne à la cire après avoir achevé l'alignement.						
	ALIGNEMENT HF sur PO						
	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE — BRANCHEMENTS	FREQUENCE	POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE ELECTRO-NIQUES)	REGLAGE	OBSERVATIONS
(4)	PO	"	550 kHz	550 kHz [13,1 mm (17/32")]	Voltmètre branché à la bobine oscillatrice	L8 (bobine d'oscillateur PO) (*2) L2 (bobine d'antenne PO)	Régler pour une sortie maximum en glissant la bobine L2 le long du noyau en ferrite.
(5)	PO	"	1.500 kHz	1.500 kHz [174,1 mm (6-7/8")]	"	CT7 (trimmer d'oscillateur PO) CT3 (trimmer d'antenne PO)	Régler pour une sortie maximum. Refaire les étapes (4) et (5).
	(*2) Sceller la bobine d'antenne à la cire après avoir achevé l'alignement.						
	ALIGNEMENT HF sur OC						
(6)	OC	"	6 MHz	6 MHz [8 mm (5/16")]	Voltmètre branché à la bobine oscillatrice	L9 (bobine d'oscillateur OC) L3 (bobine d'antenne OC)	Régler pour une sortie maximum.
(7)	OC	"	18 MHz	18 MHz [189,5 mm (7-13/32")]	"	CT8 (trimmer d'oscillateur OC) CT5 (trimmer d'antenne DC)	Régler pour une sortie maximum. Refaire les étapes (6) et (7).

■ ALIGNEMENT FM

	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE	REGLAGE	OBSTERVATIONS
		BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT HF sur FM						
(1)	FM	Brancher au ▼ via 0,001 μF. Côte négatif à la terre.	10,7 MHz	Point de non-interférence	Brancher la sonde vert. de l'oscilloscope au ▼. Côté négatif à la au ▼.	T1 (FM IFT) (Primaire)	Régler pour une amplitude maximum. (Voir fig. 20.)
(2)	FM	"	"	"	"	T2 (FM IFT) (Secondaire)	Régler pour une amplitude maximum (Voir fig. 21.)
	ALIGNEMENT HF sur FM						
(3)	FM	Brancher au ▼ via une atenne fictive FM. (Voir fig. 22.)	87,5 MHz	Condensateur variable totalement fermé.	Voltmètre brasnché à la bobine oscillatrice	L5 (bobine d'oscillateur FM)	(*3) Régler pour une sortie maximum
(4)	FM	"	90 MHz	90 MHz [24,3 mm (31/32")]	"	L4 (bobine TUNE FM)	(*3) Régler pour une sortie maximum
(5)	FM	"	106 MHz	106 MHz [171,1 mm (6-3/4")]	"	CT2 (trimmer d'oscillateur FM) CT1 (trimmer TUNE FM)	(*3) Régler pour une sortie maximum Refaire les étapes (3) et (5).
	(*3) Il y aura trois réponses de sortie; la syntonisation adéquate est la fréquence du milieu.						

■ ALIGNEMENT DE LA DIAPHONIE

ELEMENT	SIGNAL 90 MHz, 60 dB BRANCHEMENT SUR LA SOURCE	BRANCHEMENT A L'EQUIPMENT (COMPTEUR ELECTRONIQUE)	REGLAGE	SPECIFICATION	REMARQUES
Reglage du signal pilote.	—	▼5 . . . côté (+) ▼E . . . côté (−)	VR1	19 kHz	Régler VR1 pour 19 kHz (±150 Hz) en effectuant la lecture sur le compteur électronique.

■ ALIGNEMENTS AUDIO

ELEMENT	ENTREE	POINT DE MESURE	SPECIFICATION	POINT DE REGLAGE	OBSERVATIONS
Azimut	QZZCFM (8 kHz, −20 dB)	EXT SP	Régler pour une sortie maximum.	Vis d'azimut	Mode de lecture
Niveau de lecture	QZZCFM (315 Hz, 0 dB)	▼102 (canal gauche) ▼202 (canal droit) ▼E (terre)	0,42±0,02 V	VR101 (canal gauche) VR201 (canal droit)	Mode de lecture
VU-metres	QZZCFM (315 kHz, 0 dB)	Metres	"0" 0±1 dB	VR105 (canal gauche) VR205 (canal droit)	Mode de lecture
Fréquence d'oscillation de polarisation	———	▼301 ▼E	66±0,5 kHz	L301	Mode d'enregistrement anti→III Sélecteur de bande . . . CrO_2
Courant d'effacement	Utiliser une bande METAL.	▼301 ▼E	150 +3 mV −7	VR301	Mode d'enregistrement anti→III Sélecteur de bande . . . METAL
Eliminateur de polarisation	———	▼101 (canal gauche) ▼201 (canal droit) ▼E (terre)	0±0,5 dB	L101 (canal gauche) L201 (canal droit)	Mode d'enregistrement anti→I→II→III
Courant de polarisation	Utiliser une bande METAL.	▼101 (canal gauche) ▼201 (canal droit) ▼E (terre)	METAL 8±0,3 mV CrO_2 4,8±0,3 mV FeCr 4,2±0,3 mV Normal 3,8±0,3 mV	METAL VR102 (canal gauche) VR202 (canal droit) Normal VR302	Mode d'enregistrement anti→III Sélecteur de bande . . . METAL
Gain total	DIN IN (1 kHz, −13 dB)	▼102 (canal gauche) ▼202 (canal droit) ▼E (terre)	250±10 mV	VR104 (canal gauche) VR204 (canal droit)	1. Mettre l'appareil en mode d'enregistrement, et le sélecteur de bande sur "NORMAL". 2. Régler le niveau d'enregistrement jusqu'à ce que le niveau du contrôleur à ▼102 et ▼202 atteigne 250 mV. 3. Ecouter une bande enregistrée, et vérifier que la valeur à ▼102 et ▼202 sur le voltmètre électronique atteigne 250±10 mV.

Remarques:

1. S7-1 à S7-10 . . . . Sélecteur de gamme d'onde en position "FM". (1 . . . FM, 2 . . . GO, 3 . . . PO, 4 . . . OC).
2. S2-1, S2-2 . . . . Commutateur de phono/DIN IN en position "PHONO". (① . . . PHONO, ③ . . . DIN IN)
3. S3-1~S3-11 . . . . . Commutateur enregistrement/lecture en position "Lecture".
4. S4-1~S4-3 . . . . . . Commande de mode d'enregistrement en position "Manuel". (① . . . Manuel, ③ . . . Easy-matic)
5. S5-1~S5-5 . . . . . . Sélecteur de bande en position "Normal". (① . . . Normal, ② . . . FeCr, ③ . . . CrO_2, ④ . . . Métallique)
6. S6 . . . . Commutateur d'anti-battements en position "I". (① . . . I, ② . . . II, ③ . . . III)
7. S7 . . . . Interrupteur marche/arrêt du d'enregistrement silencieux en position "Arrêt".
8. S8 . . . . Commutateur du lecture.
9. S9 . . . . Touche du d'avance rapide-rebobinage.
10. S10-1, S10-2 . . . . . Commutateur du lecture.
11. S11-1~S11-4 . . . . Commutateur de mode en position "Stéréo". (① . . . Stéréo élargie, ② . . . Stéréo, ③ . . . Mono)
12. S12~S14 . . . . Commutateur de fonction en position "Bande/OFF". (S12-1~S12-4 . . . Phono/DIN in, S13-1~S13-5 . . . Radio S14-1~S14-6 . . . Bande)
13. S15 . . . . Commutateur du TPS.
14. S16-1, S16-2 . . . . Commutateur de l'indicateur en position "Niveau". (① . . . Niveau, ③ . . . Piles et syntonisation)
15. S17-1~S17-3 . . . . Commutateur du dolby en position "OUT".
16. S18-1, S18-2 . . . . Commutateur de correction en position "OFF".
17. S19 . . . . Sélecteur de tension c.a.
18. S20 . . . . Commutateur d'amortissement en position "Arrêt".
19. S21 . . . . Sélecteur c.a./c.c. en position "c.c.".
20. S22 . . . . Commutateur du l'éclairage
21. La tension c.c. est mesurée au moyen d'un voltmètre électronique à partir de la borne négative de la pile.
    ☐ . . . Position FM, (   ) . . . Position AM,
    <   > . . . Position Enregistrement, [   ] . . . Position TPS
    Q309 . . . Position d'éclairage "Marche"
22. VR101, 201 . . . . . . Contrôle de niveau de sortie lecture
    VR102, 202, 302 . Commande de réglage du courant de polarisation
    VR103, 203 . . . . . . Commande de niveau d'enregistrement
    VR104, 204 . . . . . . Commande de réglage de gain total
    VR105, 205 . . . . . . Commande des indicateurs
    VR301 . . . . Commande de réglage du courant d'effacement
    VR400, 450 . . . . . . Commande des graves
    VR401, 451 . . . . . . Commande des aigus
    VR402, 452 . . . . . . Potentiomètre de volume
    VR430 . . . . Commande de balance
23. Courant des piles: Pas de signal . . . . 160 mA
    Sortie maximum (Radio) 1,68A
    Sortie maximum (Bande) 1,8A
24. Les éléments précédés du symbole ⚠ ne doivent être remplacés que par des pièces d'origine par mesure de sécurité.

CABINET PARTS LOCATION

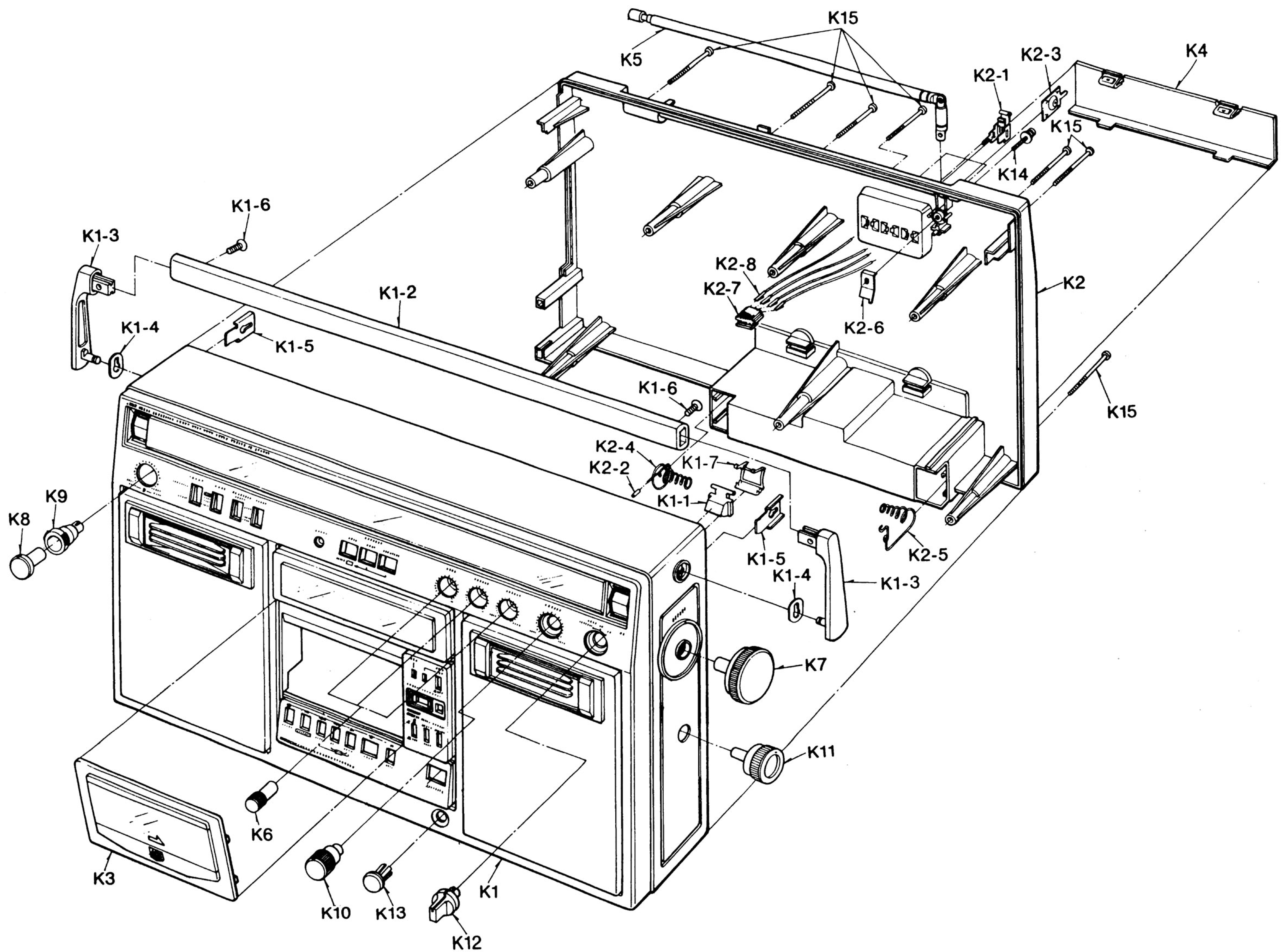


Fig. 27

ELECTRCIAL PARTS LOCATION

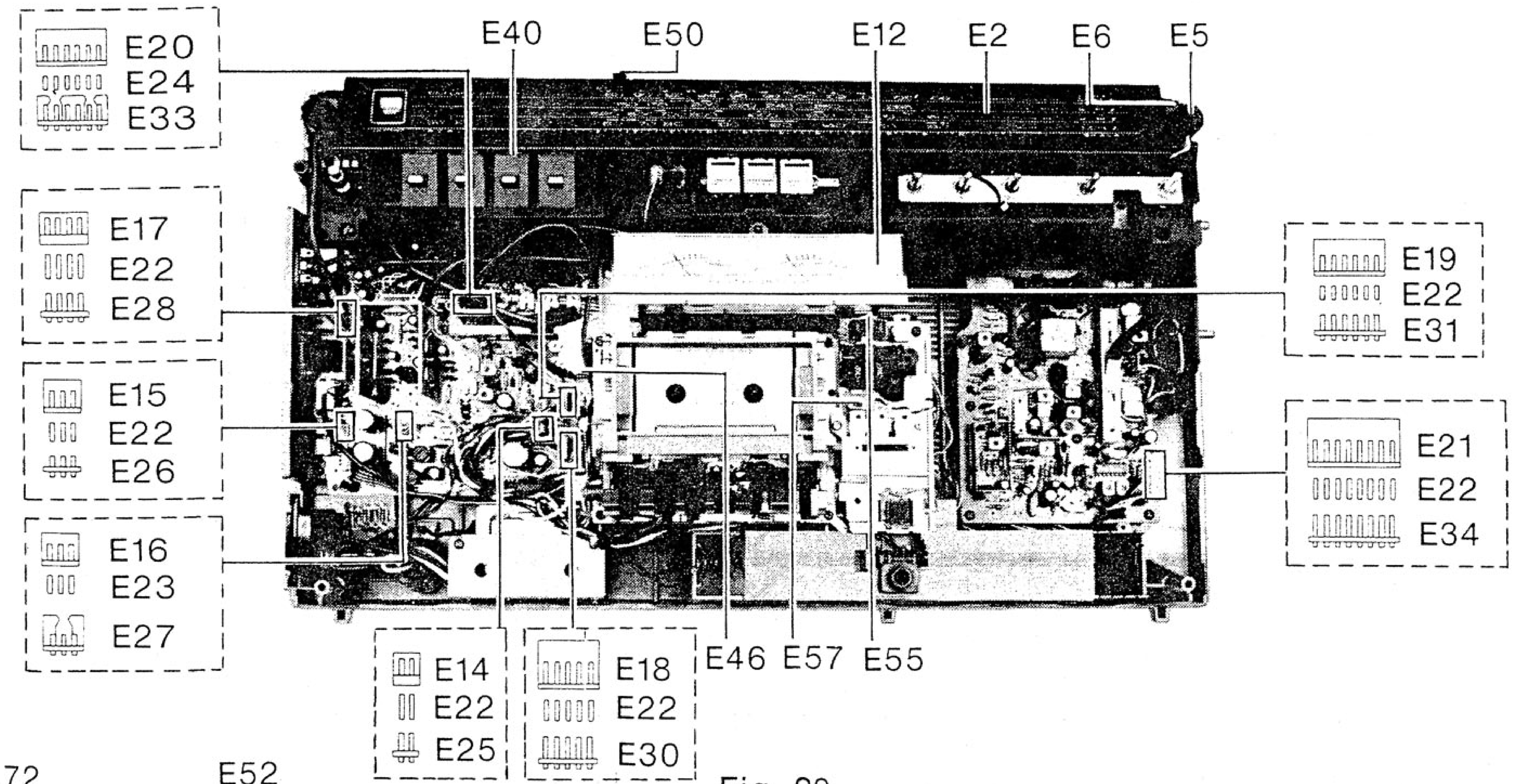


Fig. 28

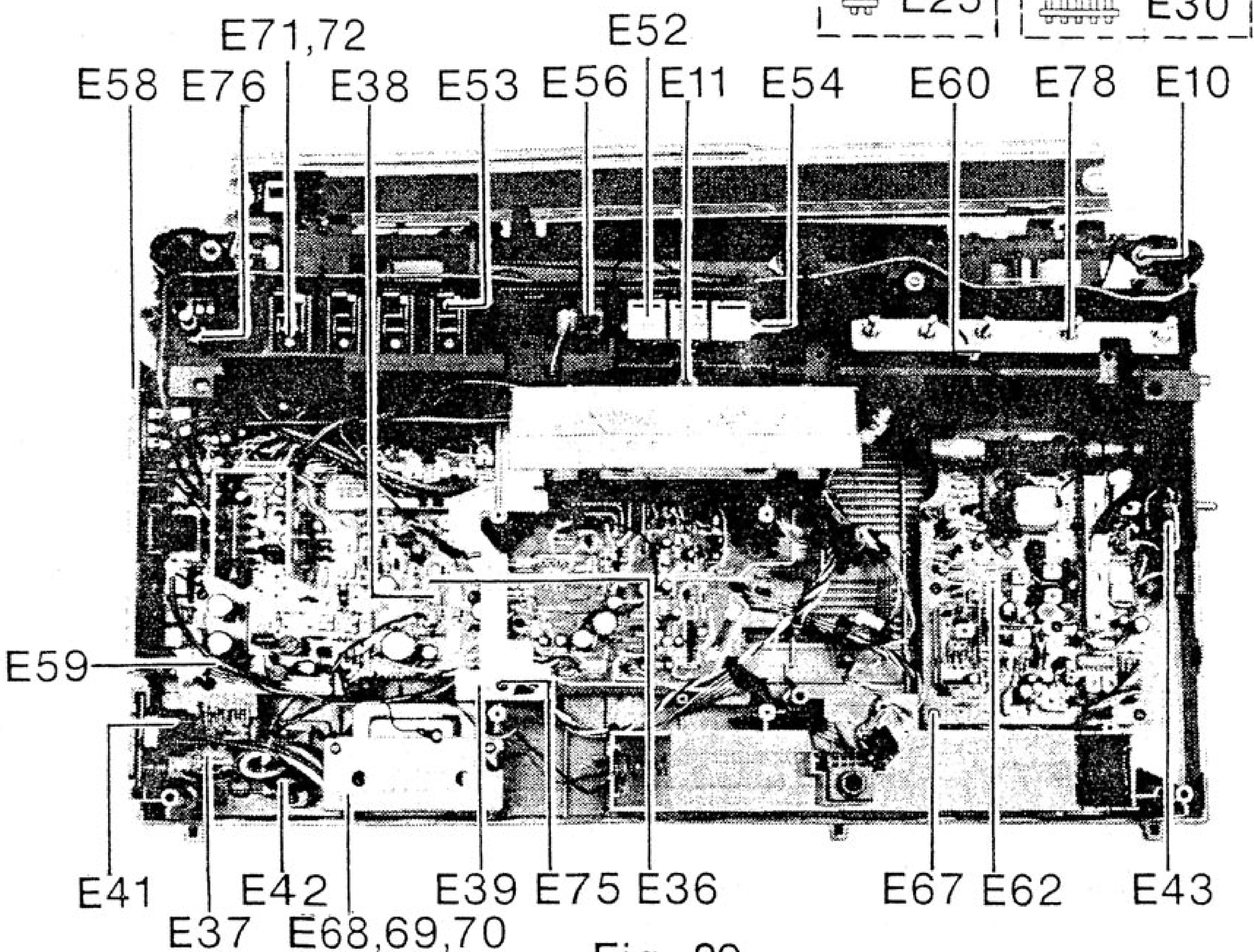


Fig. 29

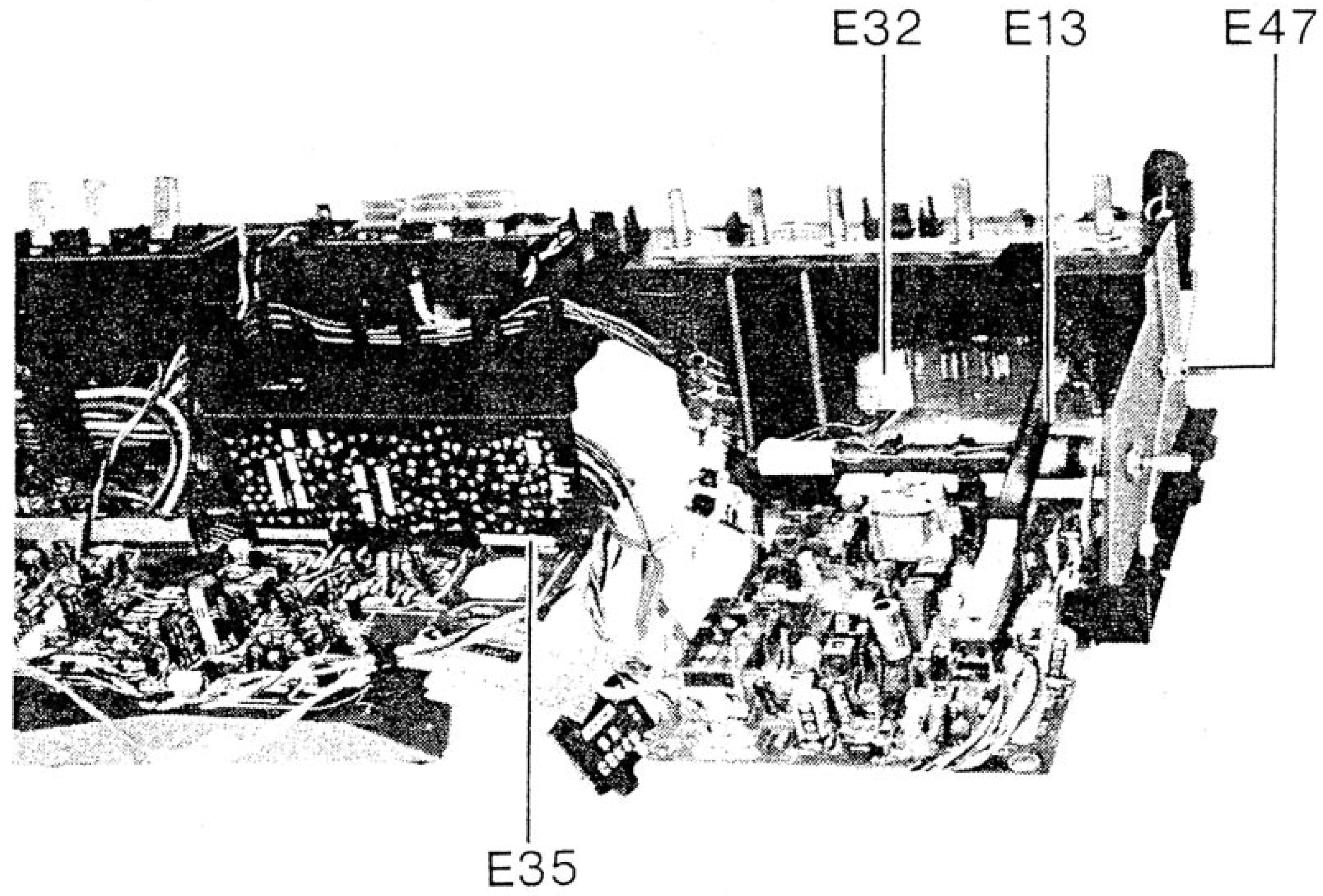


Fig. 30

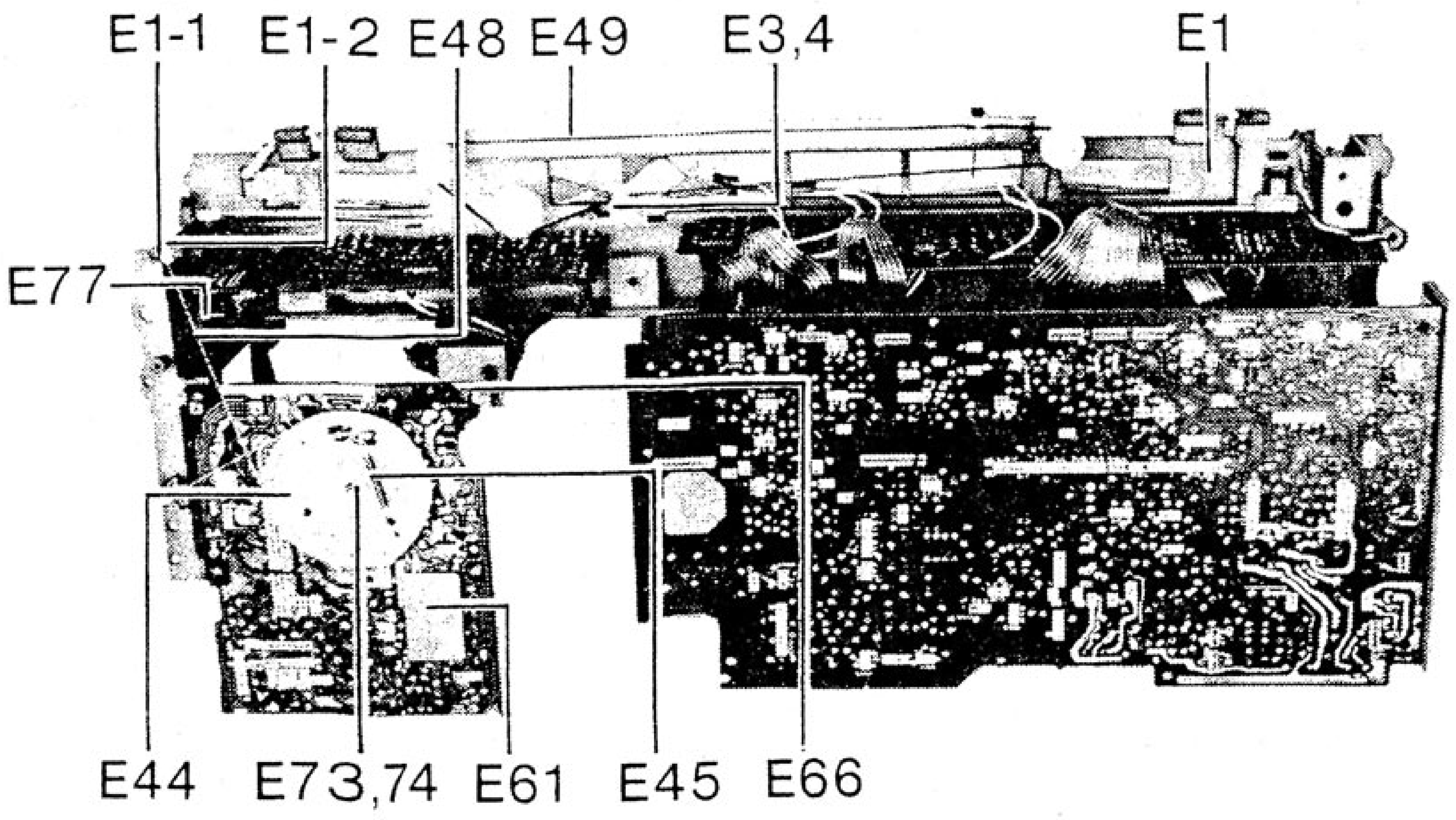


Fig. 31

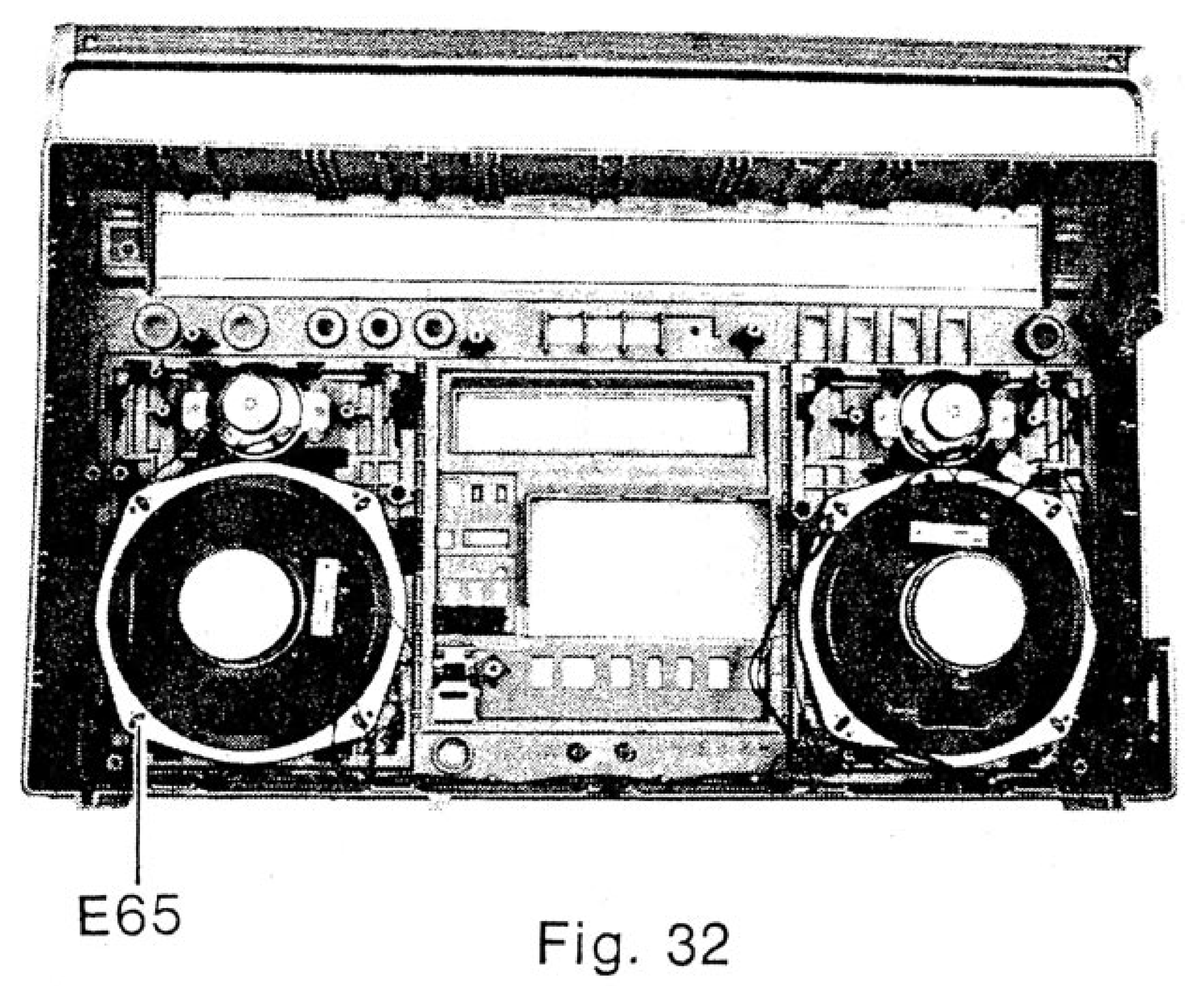


Fig. 32

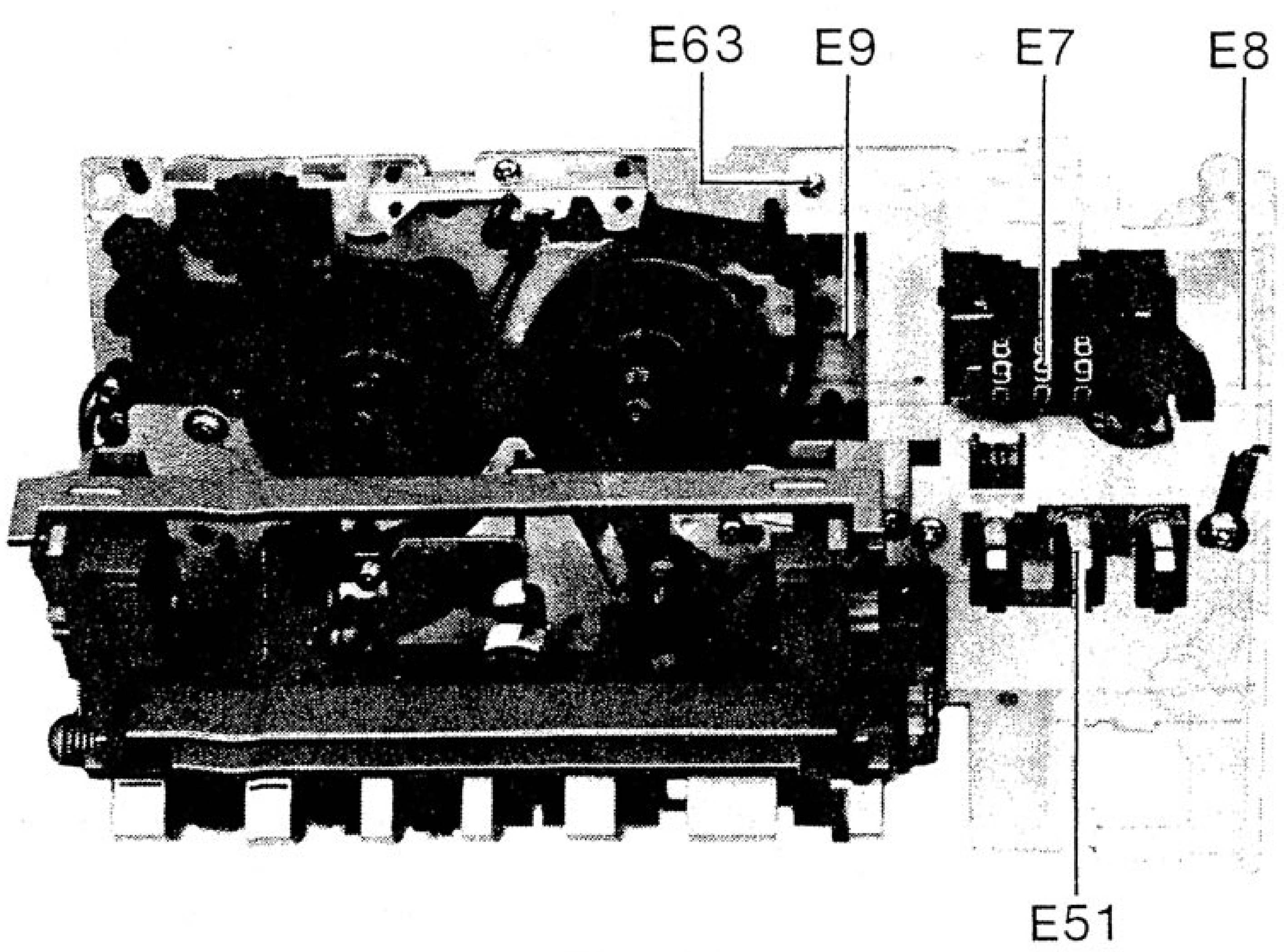


Fig. 33

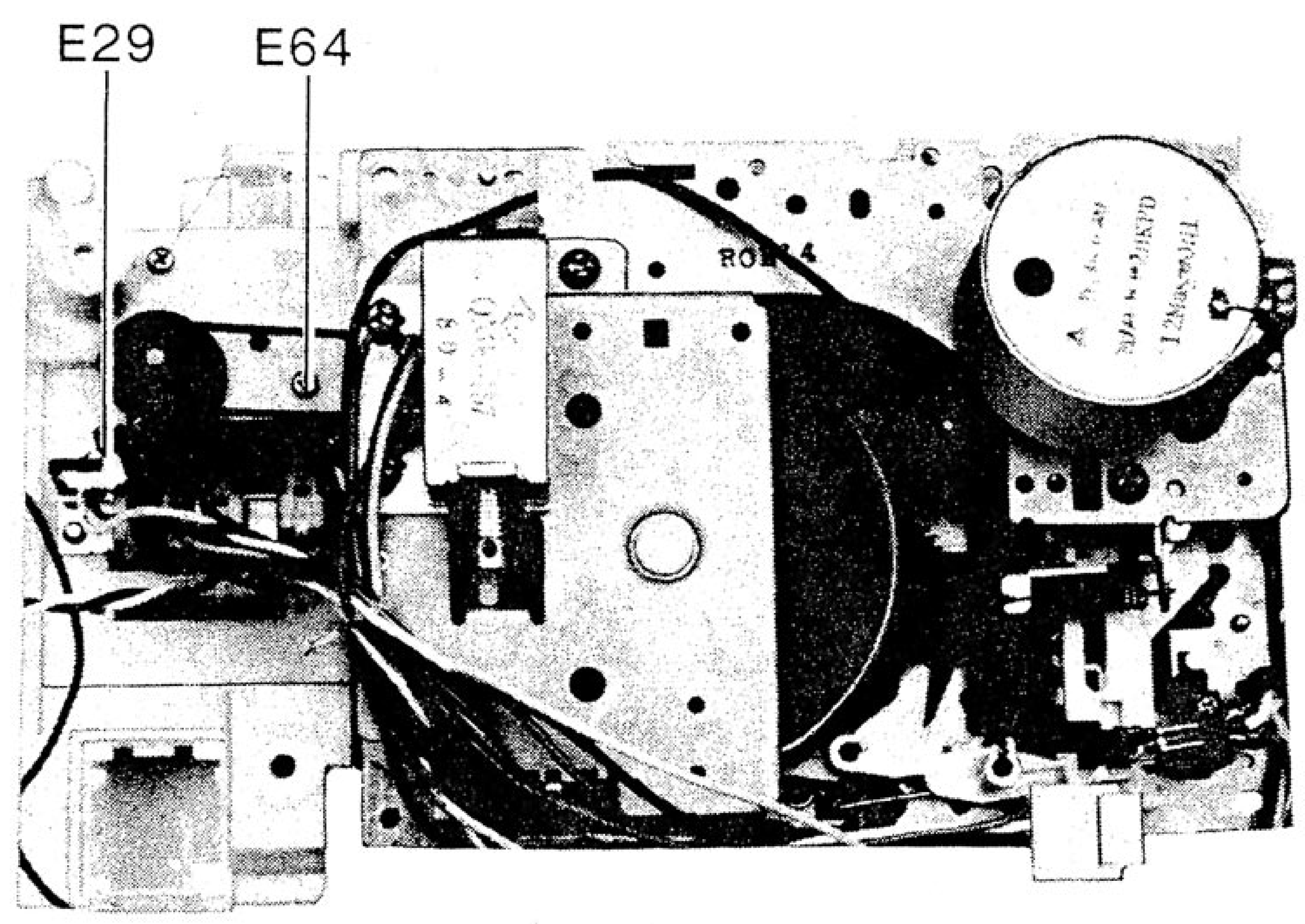


Fig. 34

■REPLACEMENT PARTS LIST .... Model RX-5600LS

(RD8008-1807C)

NOTES: 1. ⚠ indicates that only parts specified by the manufacturer be used for safety.
2. The S mark indicates service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		MECHANICAL PARTS		
M1	QXA1044	Button Bracket Ass'y	1	
M2	QBP1875	Spring, Operation Rod	1	
M3	QMR1823	Lock Rod	1	
M4	QML3649	Lock Arm	1	
M5	QDG1102	Gear, Slow Up	1	
M6	QMN2554	Shaft, Operation Rod	1	
M7	QXL1363	Eject Rod Ass'y	1	
M8	QXL1364	Recording Rod Ass'y	1	
M9	QXL1365	Rewind Rod Ass'y	1	
M10	QXL1366	Fast Forward Rod Ass'y	1	
M11	QXL1367	Playback Rod Ass'y	1	
M12	QXL1368	Stop Rod Ass'y	1	
M13	QXL1369	Pause Rod Ass'y	1	
M14	RKG18Z	Cassette Holder	1	
M15	RUS406Z	Spring, Cassette Holder (Left)	1	
M16	RUS405Z	Spring, Cassette Holder (Right)	1	
M17	QBN1749	Spring, Cassette Slot	1	
M18	XUC5FT	Circlip	1	S
M19	XUC4FT	Circlip	2	S
M20	XTN26+6B	Screw	2	S
M21	QBT1597	Spring	1	
M22	XTN2+6B	Screw	1	S
M23	QWY4122Z	R/P Head	1	
M24	QWY2138Z	Erase Head	1	
M25	XSN2+9	Screw	4	S
M26	QBP1873	Head Base Pressure Plate	1	
M27	XTN26+6B	Screw	7	S
M28	QMA3858	Head Adjust Plate	1	
M29	QDK1017	Steel Ball	3	
M30	XTN26+10B	Screw	2	S
M31	QMZ1240	Holder, Head Base	1	
M32	QBT1597	Spring	1	
M33	QML3591	Brake Arm	1	
M34	XTN26+12B	Screw	1	S
M35	QBCA0008	Head Spring	1	
M36	QBC1278	Head Spring	1	
M37	QBN1740	Spring, R/P Head	1	
M38	QMZ1241	Head Spacer	1	
M39	QMK1840	Head Base Plate	1	
M40	QBT1892	Spring, Head Base Plate	1	
M41	QMN2550	Guide Roller	1	
M42	QBN1742	Spring, Pinch Roller	1	
M43	QXL1381	Pinch Roller Ass'y	1	
M44	QBN1743	Spring, Pinch Roller	1	
M45	QMF2097	Cover	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
M46	XTN26+6BFZ	Screw	2	S
M47	RGX1130Z	Reflecting Plate	1	
M48	QBP1874	Cassette Holder Plate	1	
M49	QML3603	Erase Safety Lever	1	
M50	QMR1822	Eject Rod	1	
M51	QBN1747	Spring	1	
M52	QML3588	Spring, FF Lever	1	
M53	QBN1748	FF Spring	1	
M54	QBW2008	Snap Washer	6	
M55	QMB1336	Supply Drive Cam	1	
M56	QBC1306	Back Tension Spring	1	
M57	QDR1139	Supply Reel Table	1	
M58	QBW2012	Washer	2	
M59	QXD1143	Take Up Reel Table Ass'y	1	
M60	QXI0113	FF Idler Ass'y	1	
M61	QBT1893	Take Up Idler Spring	1	
M62	QXI0111	Take Up Idler Ass'y	1	
M63	QXL1382	Idler Lever Ass'y	1	
M64	QML3592	Change Lever	1	
M65	QBN1741	Lever Spring	1	
M66	QXL1383	FF Arm Ass'y	1	
M67	QXI0112	Rewind Idler Ass'y	1	
M68	QXL1354	Sub Lever Ass'y	1	
M69	QML3586	MS Lever	1	
M70	QBT1894	Main Lever Spring	1	
M71	QXL1355	Main Lever Ass'y	1	
M72	QDP1828	FF Pulley	1	
M73	QML3605	Auto Stop Detector Lever	1	
M74	QBN1746	Auto Stop Lever Spring	1	
M75	QML3594	Auto Stop Release Arm	1	
M76	QML3604	Auto Stop Driving Arm	1	
M77	QMR1821	Auto Stop Connection Rod	1	
M78	QXU0201	Motor Ass'y	1	
M79	QXA1042	Bracket Ass'y, Plunger	1	
M80	XTN3+24B	Screw	1	S
M81	QME0157	Plunger	1	
M82	QBC1358	Spring	1	
M83	XSN3+6S	Screw	2	S
M84	XWC3B	Washer	2	S
M85	XUC3FT	Circlip	1	S
M86	QML3616	Pause Driving Lever	1	
M87	QMZ1239	Flywheel Thrust Retainer	1	
M88	XUB3FT	Circlip	1	S
M89	QML3581	Sub Control Lever	1	
M90	QBN1744	Sub Gear Spring	1	
M91	QDB0281	Capstan Belt	1	
M92	QBW2049	Washer	1	
M93	QXF0164	Flywheel Ass'y	1	
M94	QDG1202	Sub Gear	1	
M95	QML3582	Pause Lock Lever	1	
M96	QBT1896	Lever Spring	1	
M97	QBS1128	Lock Pin	1	
M98	QBC1357	Lock Pin Spring	1	
M99	XUB4FT	Circlip	1	S
M100	QDG1201	Main Gear	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
M101	QXP0607	FF Belt Pulley Ass'y	1	
M102	QDB0274	Rewind Belt	1	
M103	QBW2012	Washer	1	
M104	QBN1745	Main Gear Spring	1	
M105	QMR1824	Control Rod	1	
M106	QML3583	Main Control Lever	1	
M107	QML3584	Record Operation Lever	1	
M108	QMR1820	Record Rod	1	
M109	QXL1360	R/P Selector Arm Ass'y	1	
M110	QML3580	R/P Selector Lever	1	
M111	QBN1739	Selector Lever Spring	1	
M112	QBT1895	R/P Pressure Spring	1	
M113	QXK2276	Lower Base Plate	1	
M114	QDP1823	Connection Pulley	1	
M115	QXG1047	Take Up Gear Ass'y	1	
M116	QDG1200	Cam Gear	1	
M117	QDG1199	Auto Stop Gear	1	
M118	QHQ1303	Screw	2	
M119	QBG1373	Cushion	1	
M120	QBG1683	Cushion	1	
M121	QXK2286	Sub Chassis Ass'y	1	
M122	QDB0273	Fast Forward Belt	1	
M123	XTN3+10B	Screw	2	S
M124	QMK1838	Upper Base Plate	1	
M125	XTN2+20F	Screw	1	S
M126	QMF2118	Fast Forward Bracket	1	
M127	QBT1682	Auto Stop Connection Rod Spring	1	
M128	QBW2020	Washer	1	
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	AN7213	IC	1	
IC2	RVIUPC1018CE	IC	1	
IC3	RVIBA1330	IC	1	
IC101, 201	NE646B	IC	2	
IC102, 202	BA532S	IC	2	
IC301	RVIBA336	IC	1	
Q1,2	2SC829	Transistor (Si)	2	
Q101,103,105,108,201,203,205,208	2SC1327	Transistor (Si)	8	
Q102,104,106,109,112,113,202,204,206,209,212,213	2SC1684	Transistor (Si)	10	
Q107,110,111,114,207,210,211,214,304,305,306	2SC828	Transistor (Si)	11	
Q301,302	2SC1317	Transistor (Si)	2	
Q303	2SA564	Transistor (Ge)	1	
Q307	2SC1226	Transistor (Si)	1	
Q308,309	2SD592	Transistor (Si)	2	
D1	RVDSD113	Diode (Si)	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
D2,8,101~104,201~204	MA161	Diode (Si)	12	
D3,4	2OA90	Diode (Ge)	2	S
D5,6,7,9,105,205	OA90	Diode (Ge)	6	S
D303	MA27A1TA	Diode (Si)	1	
D304,305	RVDKB262D	Diode (Si)	2	
D306	LN217RP	LED (Ga)	1	
D307	MA1075TA	Diode (Si)	1	
D308	MA1110TA	Diode (Si)	1	
D309,311	LN230RPP	LED (Ga)	2	
D310	LN220RP	LED (Ga)	1	
D312,501~506	SM112	Diode (Si)	7	S
D313	LN317GP	LED (Ga)	1	
		COILS AND TRANSFORMERS		
L2	RLF6D11	Antenna Coil, LW, MW	1	
L3	QLA3M8	Antenna Coil, SW	1	
L4	RLD4Y44W	Tuning Coil, FM	1	
L5	RLO4Y43W	Oscillator Coil, FM	1	
L7	RLO1M4	Oscillator Coil, LW	1	
L8	RLO2M14	Oscillator Coil, MW	1	
L9	RLO3M31	Oscillator Coil, SW	1	
L10	RLM1Z4	Trap Coil	1	
L11,12	QLM1M2	MPX Trap Coil	2	
L101,201	QLQM1531	Bias Trap Coil	2	
L103,203	SLM1Z19	Coil, Dolby Filter	2	
L301	RLO9C23	Bias Oscillator Coil	1	
T1	RLI4M101	IFT, FM	1	S
T2	RLI4M511	IFT, FM	1	
T3	QLI2M102M	IFT, AM	1	
T4	RLI2M402	IFT, AM	1	S
T501	RLT5L108	Power Transformer	1	⚠
		VARIABLE RESISTORS		
VR1	EVLS3AA00B14	Variable Resistor, 10kΩ (B)	1	S
VR101, 201	RVNAA24B1	Variable Resistor, 20kΩ (B)	2	
VR104, 204	RVNAA54B1	Variable Resistor, 50kΩ (B)	2	
VR103, 203	RVV14B130	Variable Resistor, 10kΩ (B)	1	
VR102,105,202,205	RVNAA15B1	Variable Resistor, 100kΩ (B)	4	
VR400,401,450,451	RVV54A117	Variable Resistor, 50kΩ (A)	2	
VR402, 452	RVV54A118	Variable Resistor, 50kΩ (A)	1	
VR430	RVV54W119	Variable Resistor, 50kΩ (W)	1	
		VARIABLE CAPACITORS		
VC1~4	RCV4KC2V2K	Tuning Capacitor, w/Trimmer Capacitor (CT1~3, 6)	1	
CT4	RCV1PX20AGS	Trimmer Capacitor	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
CT5,7,8	RCV1PX10AGS	Trimmer Capacitor	3	
VC5	ECV1YW02D73A	Fine Tuning	1	
		CERAMIC FILTERS		
CF1,2	QVF107MA5W	Ceramic Filter	2	
CF3	QCRZZ455A7W	Ceramic Filter	1	
		COMPONENT COMBINATIONS		
Z1	RXABPMB3	Component Combination	1	
Z2	EXA5DL01CF	Component Combination	1	
		THERMISTOR		
Th301	RRT202	Thermistor	1	
		SPEAKERS		
	EAS5PH03SE	Speaker, 5cm (1-31/32"), 4Ω, Tweeter	2	
	EAS16P151SF	Speaker, 16cm (4"), 3Ω, Woofer	2	
		SWITCHES		
S1	ESA2629	Switch, Band	1	
S2	RSS2B20Z	Switch, Din/Phone	1	
S3	RSH2L02Z	Switch, Record/Playback	1	
S4	RST2D15Y	Switch, Recording	1	
S5	RST4F06Y	Switch, Tape	1	
S6	RSS3A06Z	Switch, Beat Proof	1	
S7	RSH2A02Z	Switch, Rec Mute	1	
S8, 9	QSB0253	Switch, Playback, FF/Rewind	2	
S10	QSB0254	Switch Playback	1	
S11	RST3D10Z	Switch, Mode	1	
S12~14	ESB772024	Switch, Function	1	
S15	ESB6275	Switch, TPS	1	
S16,17, 22	ESB6249	Switch, Dolby, Meter, Light	1	
S18	RST2B22Y	Switch, Loudness	1	
S19	RSR4A01W	Switch, Voltage Selector	1	
S20	RSH2A10Z	Switch, Muting	1	⚠
		JACKS		
J101,201	RJJ1D2Z	Jack, EXT MIC	2	
J102,202	RJS9001Z	Jack, PHONO	1	
J103,203	RJJ87Y	Jack, EXT SP	2	
J104	RJS15A	Jack, DIN	1	
J301	RJJ1E2Z	Jack, HEADPHONE	1	
	RJF1073Z	Jack, Phono Earth	1	
J501,502	QJS0329	Jack, AC/DC IN	1	⚠
		RESISTORS (Value is in OHMS)		
R6,13,15,31,38,58, 59,120,220	ERD25FJ470	47 1/4W Carbon	9	S
R14	ERD25FJ680	68 " "	1	S
R3,56	ERD25FJ331	330 " "	2	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R19,44,102	ERD25FJ391	390 1/4W Carbon	3	S
R24,35, 43	ERD25FJ681	680 " "	3	S
R7	ERD25FJ273	27 k " "	1	S
R10,26,27,327	ERD25TJ474	470 k " "	4	S
R45	ERD25TJ683	68 k " "	1	S
R301	ERD25FJ1R0	1 " "	1	S
R306	ERD25FJ3R3	3.3 " "	1	S
R307	ERD25FJ2R2	2.2 " "	1	S
R109,209	ERD25FJ100	10 " "	2	S
R158,258	ERD25FJ270	27 " "	2	S
R46,146,246	ERD25FJ820	82 " "	3	S
R33,179,279,303,343	ERD25FJ101	100 " "	5	S
R312	ERD25FJ151	150 " "	1	S
R111,142,211	ERD25FJ181	180 " "	3	S
R5,12,182,282,305, 330,334,344	ERD25FJ221	220 " "	8	S
R4,322	ERD25FJ471	470 " "	2	S
R157,159,257,259	ERD25FJ821	820 " "	4	S
R22,25,37,55,127,161, 208,230,231,261,302,329, 332,333,402,403,452,453	ERD25FJ102	1 k " "	18	S
R104,204	ERD25FJ122	1.2 k " "	2	S
R57,331,335	ERD25FJ152	1.5 k " "	3	S
R28,123,148,223	ERD25FJ222	2.2 k " "	4	S
R152,252,310	ERD25FJ272	2.7 k " "	3	S
R140,251,304,315	ERD25FJ332	3.3 k " "	4	S
R21,47,138,147,156,160,247, 42,256,260,308,309,346	ERD25FJ472	4.7 k " "	14	S
R60,321	ERD25FJ562	5.6 k " "	2	S
R117,217,339,400,450	ERD25FJ822	8.2 k " "	5	S
R139,239	ERD25FJ682	6.8 k " "	2	S
R2,9,20,32,113,118,125,136,137, 144,149,162,213,218,225,236,237, 249,262,314,337,341,406,456	ERD25FJ103	10 k " "	24	S
R320,405,455	ERD25FJ123	12 k " "	3	S
R39,121,203,221,328,407,457	ERD25FJ153	15 k " "	7	S
R110,210,338	ERD25FJ223	22 k " "	3	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R180,255,280,404,454	ERD25FJ333	33 k 1/4W Carbon	5	S
R16,135,153,235,253	ERD25FJ473	47 k " "	5	S
R112,134,163,212,234,263	ERD25TJ154	150 k " "	6	S
R154,254	ERD25TJ184	180 k " "	2	S
R8,106,116,167,206,216, 267,326,342	ERD25TJ224	220 k " "	9	S
R133,233	ERD25TJ274	270 k " "	2	S
R126,226	ERD25TJ564	560 k " "	2	S
R141,241	ERD25TJ105	1 M " "	2	S
R101,107,119,145,201, 207,219,245	ERD25TSJ105	1 M " "	8	S
R313	ERC14GK106	10 M " Solid	1	S
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C3,60,73	ECCD1H030C	3 P 50V Ceramic	3	
C21,63	ECCD1H070DC	7 P " "	2	
C1,65	ECCD1H100KC	10 P " "	2	
C2	ECCD1H150KC	15 P " "	1	
C5	ECCD1H200JC	20 P " "	1	
C7	ECCD1H470KC	47 P " "	1	
C39	ECCD1H220KC	22 P " "	1	
C16	ECCD1H040C	4 P " "	1	
C10,77	ECCD1H050CC	5 P " "	2	
C35	ECCD1H330KC	33 P " "	1	
C30	ECCD1H560KC	56 P " "	1	
C15	ECCD1H180KC	18 P " "	1	
C14	ECCD1H220KC	22 P " "	1	
C113,213	ECCD1H680K	68 P " "	2	
C36,106,111,115,206,211,215	ECCD1H101K	100 P " "	7	
C28,168,268	ECCD1H181K	180 P " "	3	
C172,272	ECCD1H331K	330 P " "	2	
C19,46,156,256,319, 321,514~517	ECKD1H103ZF	0.01 " "	10	
C4,6,404,454	ECKD1H102MD	0.001 " "	4	
C11,12,13,18,38,70,75,308	ECKD1H103MD	0.01 " "	8	
C78,309	ECKD1H472MD	0.0047 " "	2	
C9,27,31,43,66,327,341	ECKD1H223ZF	0.022 " "	7	
C169,269	ECKD1H471KB	470 P " "	2	
C102,114,118,127,141, 202,214,218,241	ECKD1H102ZF	0.001 " "	10	
C122,123,171,222,223, 271,310,311	ECKD1H222MD	0.0022 " "	8	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C115,225,402,452	ECKD1H682MD	0.0068 50V Ceramic	4	
C24	ECQS1H361JZ	360 P " Styrol	1	
C55	ECQS1H471JZ	470 P " "	1	
C25	ECQS1H392KZ	3900 P " "	1	
C159,259	ECQS1H392JZ	3900 P " "	2	
C110,210	ECQS1H331JZ	330 P " "	2	
C305	ECQS2B562JZ	5600 P 25V "	1	
C55	ECQS2B681JZ	680 P " "	1	
C149,249	ECQG05153MZ	0.015 50V Polyester	2	
C304	ECQG05683MZ	0.068 " "	1	
C175,275,301	ECQG05224MZ	0.22 " "	3	
C306	ECQG05223MZ	0.022 " "	1	
C134,234	ECQG05273KZ	0.027 " "	2	
C130,150,230,250	ECFVD472KA	0.0047 25V Semi-Conductor	4	
C33,154,254	ECFVD103MD	0.01 " "	3	
C42,56,57,121,221	ECFVD153MD	0.015 " "	5	
C34,40,50,61,155,174, 255,274,400,450	ECFVD223MD	0.022 " "	10	
C153,157,253,257	ECFVD333MD	0.033 " "	4	
C53,62,139,173,239,273	ECFVD473MD	0.047 " "	6	
C152,252	ECFVD683MD	0.068 " "	2	
C45,133,151,233,251,346	ECFVD104MD	0.1 " "	6	
C105,205	ECFVD683MD	0.068 " "	2	
C136,236	ECFVD562KA	0.0056 " "	2	
C23	ECMS05221JH	220 P 50V Mica	1	
C26	ECMS05151JH	150 P " "	1	
C326	ECSF16E47	47 16V Electrolytic	1	
C177,277	ECEA1EN4R7S	4.7 25V "	2	
C37	ECEA1CS330	33 16V "	1	S
C17,52,329	ECEA50ZR47	0.47 50V "	3	S
C32,170,270,302,303, 316,334,336,345	ECEA1AS470	47 10V "	9	S
C167,267,312,313,342	ECEA1AS101	100 " "	5	S
C318,320	ECEA1AS471	470 " "	2	S
C29,47,54,129,229, 315,337,344	ECEA1AS221	220 " "	8	S
C176,276	ECEA1AS102	1000 " "	2	S
C112,116,147,212,216, 247,314,331	ECEA1ES100	10 25V "	8	S
C307,322,325,332	ECEA1ES101	100 " "	4	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C323	ECEA1CS221	220 16V Electrolytic	1	S
C335	ECEA1ES220	22 25V "	1	S
C343	ECEA1CS102	1000 16V "	1	S
C41,119,124,137,144, 219,224,237,244,333	ECEA25Z4R7	4.7 25V "	10	S
C108,143,208,243,403, 405,453,455	ECEA50ZR1	0.1 50V "	8	S
C51,103,109,203, 209,401,451	ECEA50ZR22	0.22 " "	7	S
C48,101,107,126,145, 201,207,226,317,328, 245,330,406,456	ECEA50Z1	1 " "	14	S
C58,59,104,117,120, 140,142,146,204,217, 220,240,246	ECEA50Z3R3	3.3 " "	18	S
C44,49,131,135,138, 231,235,238	ECEA1HS100	10 " "	8	S
C128,132,228,232	ECEA50ZR33	0.33 " "	4	S
C324	ECEA1CS332	3300 16V "	1	
		CABINET PARTS		
K1	RYMX5600LSX8	Front Cabinet Ass'y	1	
K1-1	RBS164Z	Button, REC MUTE	1	
K1-2	RKH100Z	Handle	1	
K1-3	RKX189Z	Arm, Handle	2	
K1-4	RKX184Z	Spacer, Arm	2	
K1-5	QBP1817	Stopper, Arm	2	
K1-6	XTB3+8CFN	Screw, Handle M'tg	2	
K1-7	RUS404Z	Spring, Button	1	
K2	RYFX5600LSX7	Rear Cabinet Ass'y	1	
K2-1	RJF1065Z	Terminal, EXT Antenna	3	
K2-2	RJT398A	Connecting Pipe	1	
K2-3	QJB0116	Terminal, Battery + Side	1	
K2-4	RJC505Z	Spring, Battery - Side	1	
K2-5	RJC931Z	Terminal, Battery +, - Side	1	
K2-6	RJT698Z	Terminal, Telescopic Antenna	1	
K2-7	RJS216Y	Socket, EXT Antenna	1	
K2-8	RJT462Z	Terminal, Socket	4	
K3	RYPX5600LSXG	Cassette Panel Ass'y	1	
K4	RYNX5600N7	Battery Cover Ass'y	1	
K5	XEARR345CAN	Telescopic Antenna	1	
K6	RBN489W	Knob, Bass, Treble, Balance	3	
K7	RBN502V	Knob, Tuning	1	
K8	RBN527Y	Knob, Record Level	1	
K9	RBN529Y	Knob, Record Level	1	
K10	RBN528Y	Knob, Volume	1	
K11	RBN517V	Knob, Fine Tuning	1	
K12	RBS162Y	Knob, Band	1	
K13	RUV609Z	Cover, Headphone Jack	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
K14	XYN3+F16FN	Screw, Telescopic Antenna M'tg	1	
K15	XTN35+50G	Screw, Cabinet M'tg	7	
		ELECTRICAL PARTS		
E1	RZAX5600LSXG	Dial Chassis Ass'y	1	
E1-1	RDR20-3	Pulley, Dial	3	
E1-2	RDY43Z	Shaft, Pulley	3	
E2	RYDX5600LSXG	Dial Scale Ass'y	1	
E3	RDR38Z	Pulley, Dial	1	
E4	RNW150-2	Washer, Pulley	1	
E5	WM034AZ102	Built-in Microphone	2	
E6	QBG1526B	Cover, Microphone	2	
E7	RSE69Z	Tape Counter	1	
E8	RUA428Z	Counter Chassis	1	
E9	QDB0207	Belt, Counter	1	
E10	XAMR48S250A	Pilot Lamp, Dial, Meter	2	
E11	XAMR48S300A	Pilot Lamp, Dial	1	
E12	RSM9504Y	Meter, TUNE/BATT, Level	1	
E13	ESA3373B	Wire, Band Switch	1	
E14	RJS171Z	Socket, 2 Pin	2	
E15	RJS253Y	Socket, 3 Pin	2	
E16	QJS1921TN	Socket, 3 Pin	1	
E17	RJS216Y	Socket, 4 Pin	3	
E18	RJS217Y	Socket, 5 Pin	1	
E19	RJS112Y	Socket, 6 Pin	2	
E20	QJS1922TN	Socket, 6 Pin	1	
E21	RJS264Y	Socket, 8 Pin	2	
E22	RJT462Z	Terminal, Socket	55	
E23	QJT1054	Terminal, Socket	3	
E24	QJT1042	Terminal, Socket	6	
E25	RJP213Z	Plug, 2 Pin	2	
E26	RJP137Z	Plug, 3 Pin	2	
E27	QJP1921TN	Plug, 3 Pin	1	
E28	RJP107Z	Plug, 4 Pin	3	
E29	RJP134Z	Plug, 4 Pin	1	
E30	RJP116Z	Plug, 5 Pin	1	
E31	RJP142Z	Plug, 6 Pin	1	
E32	RJP144Z	Plug, 6 Pin	1	
E33	QJP1922TN	Plug, 6 Pin	1	
E34	RJP171Z	Plug, 8 Pin	2	
E35	RJT668Z	Connecting Terminal, 10 Pin	2	
E36	XBA2C02SS0	Fuse, T200mA	1	⚠
E37	XBA2C20TR0	Fuse, T2A	1	⚠
E38	QTF1054	Holder, Fuse	4	⚠
E39	RUB220Z	Lever, Recording/Playback	1	
E40	RUV586Z	Cover, Switch	4	
E41	RUV603Z	Cover, AC 1N Jack	1	⚠
E42	RUV387Z	Cover, Voltage Selector	1	⚠
E43	QTS1442	Shield Cover, Fine Tuning	1	
E44	RDD655Z	Drum, Dial	1	
E45	RDS4170A	Spring, Dial	1	
E46	RDS3061A	Spring, R/P Lever	1	
E47	RDT9120Z	Shaft, Tuning	1	
E48	RDZ05Z	Cord, Dial	1 ROLL	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E49	RDV5Z	Belt, Dial	1	
E50	RDP821Z	Pointer, Dial	1	
E51	RBC262Z	Button, TPS, LIGHT etc.	4	
E52	RBC263Y	Button, Function	3	
E53	RBS163Y	Knob, RECORD, TAPE etc	4	
E54	RJT202B	Terminal, Earth	3	
E55	RMP142Z	Holder, LED	1	
E56	RMP143Z	Holder, LED	1	
E57	RMP151Z	Holder, LED	1	
E58	RKE368Z	Jack Board	1	
E59	RUL532Z	Bracket, Lead Wire	3	
E60	RJT301-1	Terminal, Earth	1	
E61	RMC228A	Shield Cover, Circuit Board	1	
E62	RMC171Y	Shield Cover, IC	1	
E63	XTN26+6C	Screw, Counter Chassis M'tg	2	
E64	XTN26+8C	Screw, Counter M'tg	2	
E65	XTV3+10G	Screw, Speaker M'tg	8	
E66	XTV3+12G	Screw, Circuit Board M'tg	8	
E67	XTV3+12GR	Red Screw, Circuit Board M'tg	20	
E68	XSN4+8S	Screw, Transformer M'tg	2	S
E69	XWA4B	Washer	2	S
E70	XWT4	Washer	2	S
E71	XSN3+6S	Screw, Heat Sink, Lever Switch M'tg	10	S
E72	XWA3B	Washer	2	S
E73	XSN26+8	Screw, Drum M'tg	1	S
E74	XWA26B	Washer	1	S
E75	XWG3F13	Washer, R/P Lever etc.	4	S
E76	XNS9	Nut, Recording Volume M'tg	1	S
E77	XNG6E	Nut, Tuning Shaft M'tg	1	S
E78	XNS8D	Nut, Volume, Tone etc. M'tg	6	
		ACCESSORIES		
	RJN23Z	Cassette Tape	1	
	RJA20Z	Power Cord, AC	1	S ⚠
	RQE13Z	Caution Tag	1	
		PACKING MATERIALS		
	RPP352Z	Polyethylene Cover	1	
	RPN9338Z	Pad Complete	1	
	RPK1014Z	Gift Box	1	
	RPN3132Z	Pad	2	
	RPN3102Z	Pad	1	
	RPG2325Z	Packing Case	1	
	RPN3070Z	Pad	1	
		PRINTED MATERIAL		
	RQX6617Z	Instruction Book	1	