

Service Manual

Radio Cassette

RX-2700

FM-AM Radio Stereo Cassette Recorder



■ SPECIFICATIONS

Power Requirement: Battery; 6V (Four UM-3, AA size dry batteries)

Power Output: Built-in SP; 550 mW (DC max)
Headphones; 30 mW × 2

Frequency Range: Built-in SP; 150~8500 Hz
Headphones; 40~13000 Hz

Recording System: AC bias, MAGNET erase

Tape Speed: 4.8 cm/s, (1 $\frac{7}{8}$ ips)

Wow and Flutter: 0.4% (WRMS)

Program Time: 1 hour with C-60 cassette tape

Track System: 4-track 2-channel stereo recording and playback

Input: MIC; sensitivity 0.25 mV/applicable microphone impedance 200~600 Ω .
DC IN; 6 V

Output: Headphones; 32 Ω

Speaker: Built-in SP; 2" (5 cm) PM Dynamic speaker (4 Ω)
Headphones; 1" (2.2 cm) × 2 (32 Ω)

Radio Frequency Range: FM; 87.5~108 MHz
AM; 520~1610 kHz (577~186m)

Intermediate Frequency: FM; 10.7 MHz
AM; 455 kHz

Sensitivity: FM; 2 μ V/50 mW output
AM; 150 μ V/m/50 mW output

Dimensions: 190(W) × 96(H) × 36(D) mm
(7 $\frac{1}{2}$ " × 3 $\frac{3}{8}$ " × 1 $\frac{1}{8}$ ")

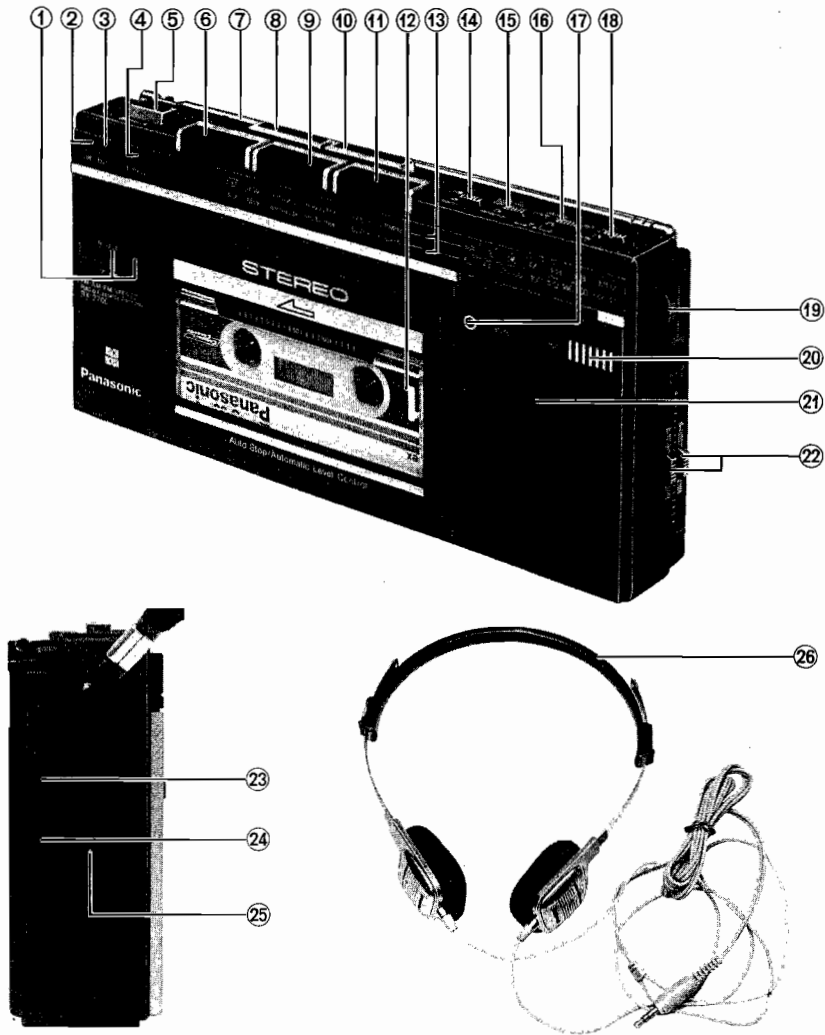
Weight: Set; 620 g (1 lb 6 oz.) without batteries
Headphones; 54 g (2 oz)

Specifications are subject to change without notice.

 **Panasonic**

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

LOCATION OF CONTROLS AND COMPONENTS



- ① Tape Counter and reset button
- ② Rec indicator
- ③ Battery or Power ON indicator
- ④ Tuning indicator
- ⑤ Pause button
- ⑥ Stop/eject button
- ⑦ Telescopic antenna
- ⑧ Fast forward/cue button
- ⑨ Playback button
- ⑩ Rewind/review button
- ⑪ Record button
- ⑫ Cassette Cover
- ⑬ Band indicator
- ⑭ Band selector
- ⑮ Tape/radio selector
- ⑯ Mode/beat proof selector
- ⑰ FM stereo indicator
- ⑱ Tone selector
- ⑲ Tuning control
- ⑳ Built-in Microphone
- ㉑ Speaker
- ㉒ Volume control (L, R)
- ㉓ Microphone Jack
- ㉔ Headphone Jack
- ㉕ EXT Power Jack
- ㉖ Headphones

DISASSEMBLY INSTRUCTIONS

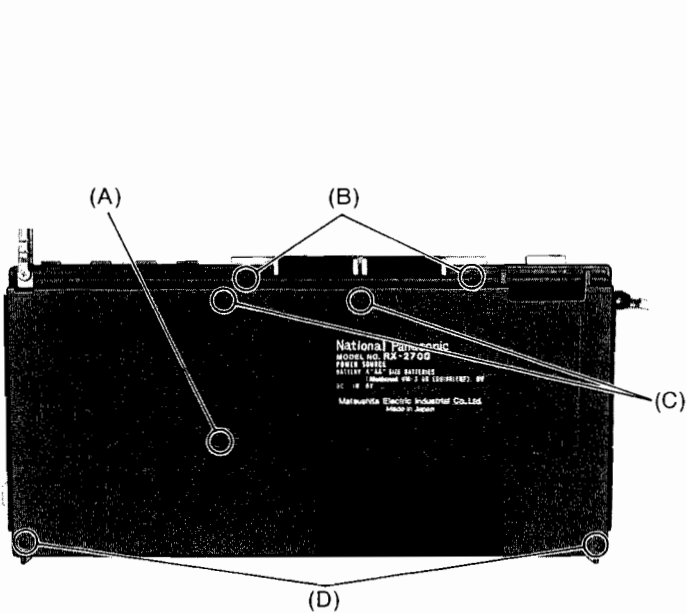


Fig. 1

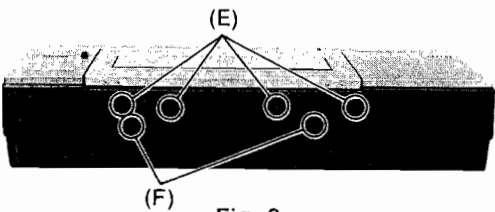


Fig. 2

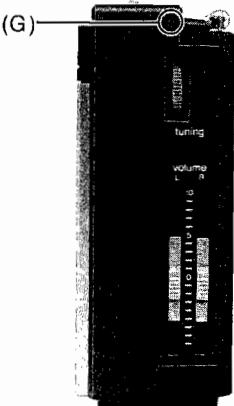


Fig. 3

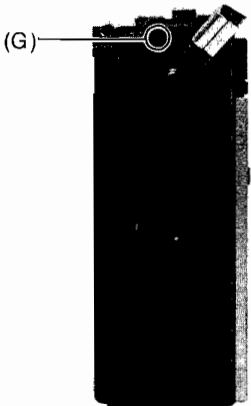


Fig. 4

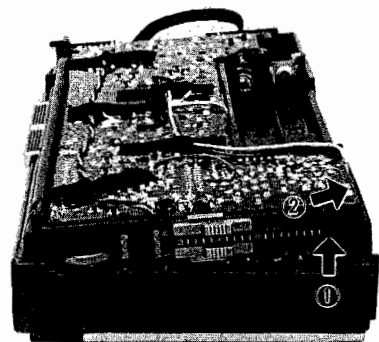


Fig. 5

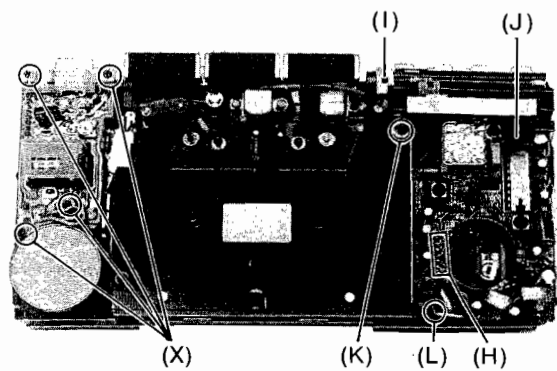


Fig. 6

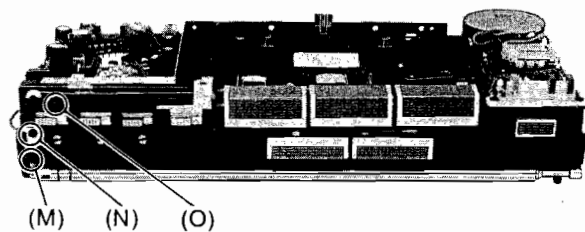


Fig. 7

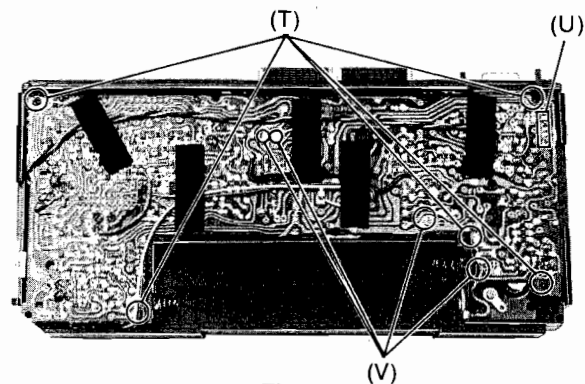


Fig. 9

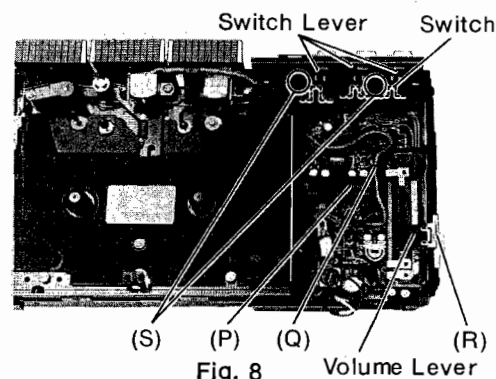


Fig. 8

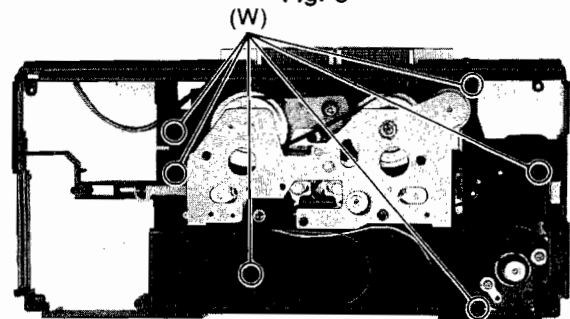


Fig. 10

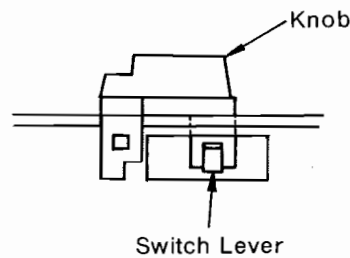


Fig. 11

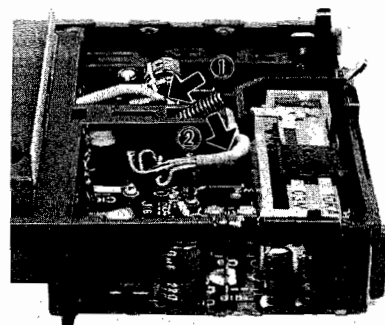


Fig. 12

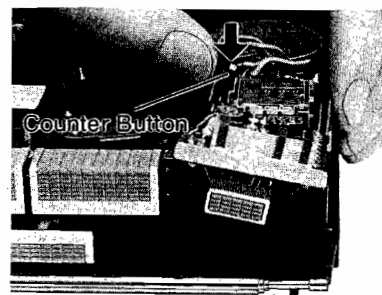


Fig. 13

Procedure	To remove—	Remove—	Shown in Fig.—
1	Rear Cabinet	Screw (2×8)(A) × 1	1
2		Screw (2×5)(B) × 2	1
3		Screw (2×6)(C) × 2	1
4		Screw (2×22)(D) × 2	1
5		Screw (2×5).....(E) × 4	2
6		Screw (2×6)(F) × 2	2
7		Screw (2×6).....(G) × 2	3, 4
8	Chassis	Remove the chassis, in the direction of arrow ① & ②.	5
9		Unsolder the Parallel Jumper(H) × 6	6

Procedure	To remove—	Remove—	Shown in Fig.—
10	Radio Circuit Board	Knob ※1(I) × 1	6
11		Microphone(J) × 1	6
12		Screw (2×5)(K) × 1	6
13		Screw (2×4)(L) × 1	6
14		Screw (2×5)(M) × 1	7
15		Screw (2×4)(N) × 1	7
16		Screw (2×6)(O) × 1	7
17	Audio Circuit Board	Spring ※2(P) × 1	8
18		Remove the Head read from rib.(Q) × 1	8
19		Knob ※3(R) × 2	8
20		Screw (2×6) ※4(S) × 2	8
21		Screw (2×4)(T) × 5	9
22		Unsolder the Parallel Jumper(U) × 8	9
23		Unsolder read wire ※5(V) × 4	9
24	Mechanism	Screw (2×5)(W) × 6	10
25	Govanor Circuit Board ※6	Screw (2×6)(X) × 4	6

- Note:**
- ※ 1. Insert the catch of knob in the switch lever, as shown in Fig. 11.
 - ※ 2. Insert the spring in the direction of arrow ① & ②, as shown in Fig. 12.
 - ※ 3. Insert the knob in the each volume lever, as shown in Fig. 8.
 - ※ 4. Insert the switch lever in the each switch, as shown in Fig. 8.
 - ※ 5. Refer to circuit board wiring view for solder point.
 - ※ 6. Insert the circuit board pushing the counter button, as shown in Fig. 13.

DIAL THREADING

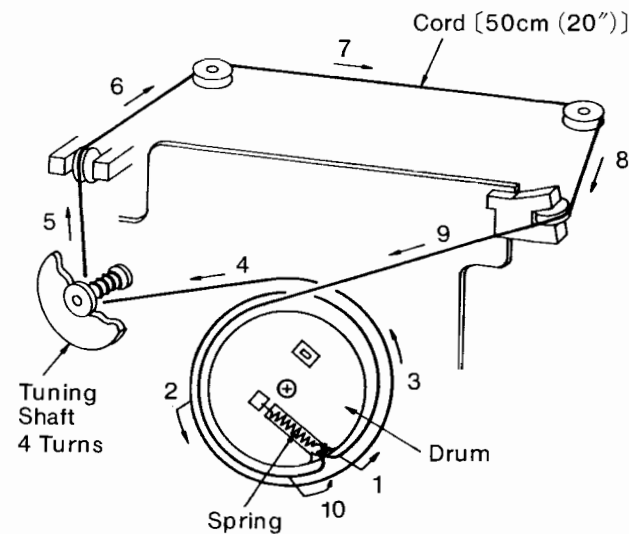


Fig. 14

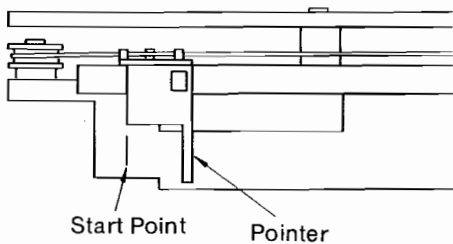


Fig. 15

ALIGNMENT

■ TAPE SPEED ADJUSTMENT

1. Set volume control to maximum.
2. Set tone switch to high.
3. Set tape/radio selector to tape.
4. Set power source voltage to 6 V DC.

COUNTER	ADJUSTMENT
Connect to Earphone Jack	1. Playback test tape (QZZCWAT, 3 kHz). 2. Adjust VR₅ until 3030 Hz $\pm$ 15 Hz is read on the counter.

■ RADIO ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set tone switch to High.
3. Set tape/radio selector to radio.
4. Set band switch to AM, or FM.
5. Set power source voltage to 6 V DC.
6. Output of signal generator should be no higher than necessary to obtain an output reading.

■ AM ALIGNMENT

AM ALIGNMENT							
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
AM-IF ALIGNMENT							
(1)	AM	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 ₂ (AM 1st IFT)	Adjust for maximum output.
AM-RF ALIGNMENT							
(2)	AM	“	512 kHz	Tuning capacitor fully closed.	“	L ₇ (OSC Coil)	“
(3)	AM	“	550 kHz	Tune to signal.	“	(* 1) L ₆ (ANT Coil)	Adjust for maximum output. Adjust L ₅ by moving coil bobbin along ferrite core.
(4)	AM	“	1500 kHz	Tune to signal.	“	CT ₃ (ANT Trimmer)	Adjust for maximum output.
(5)	AM	“	1650 kHz	Tuning capacitor fully open	“	CT ₄ (OSC Trimmer)	Adjust for maximum output. Repeat steps (2)~(5).
(* 1) Cement antenna bobbin in place with wax after completing alignment.							

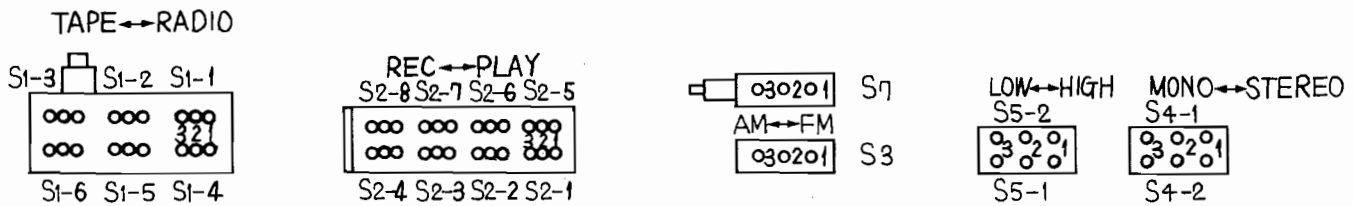
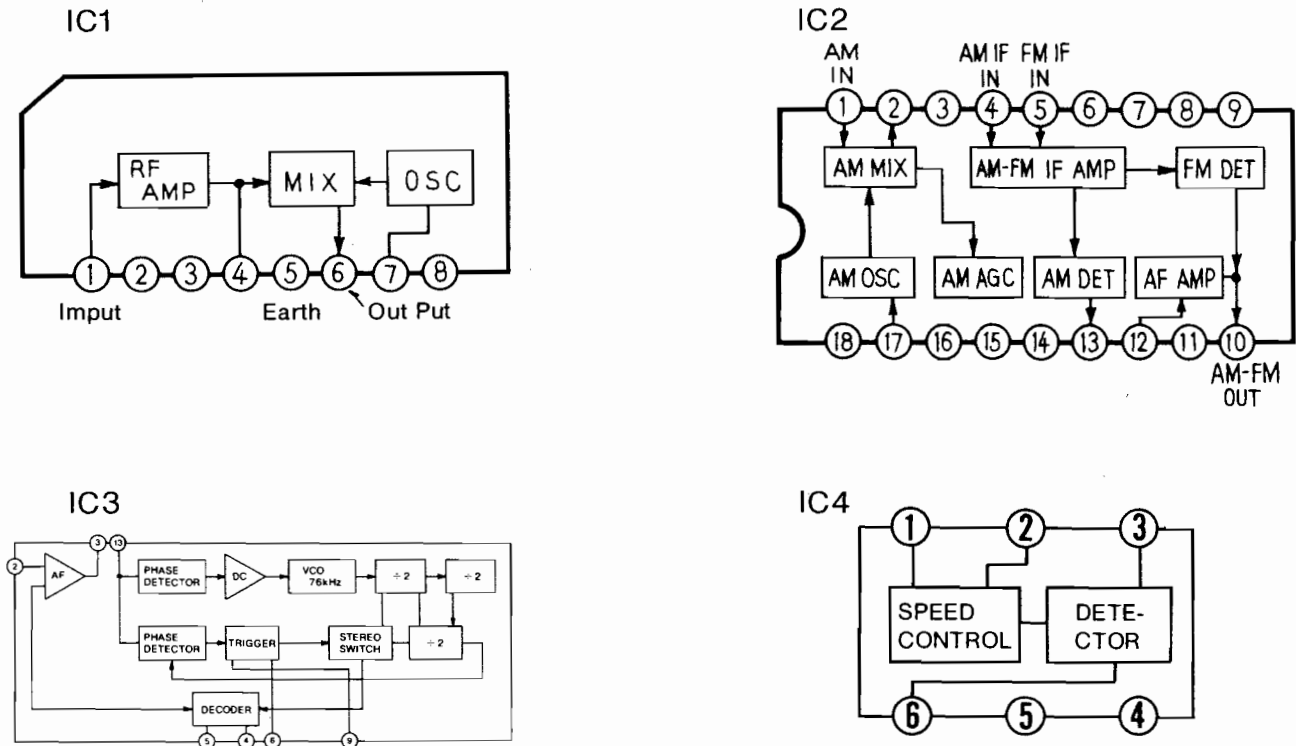
■ FM ALIGNMENT

FM-IF ALIGNMENT							
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
FM-IF ALIGNMENT							
(1)	FM	Connect to test point 4. Negative side to test point 3.	10.7 MHz	Point of non-interference.	Connect vert. amp. of scope to test point 6. Negative side to test point 5.	T ₁ (FM IFT) T ₃ (FM IFT) (primary)	Adjust for maximum amplitude. (Refer to Fig. 19)
FM-RF ALIGNMENT							
(2)	FM	Connect to test point 4 through FM dummy antenna. Negative side to test point 7. (Refer to Fig. 20.)	90 MHz	90 MHz [4.7 mm ($\frac{3}{16}$ ")]	"	L ₅ (FM OSC Coil) L ₄ (FM TUNE Coil)	(* 2) Adjust for maximum output.
(3)	FM	"	106 MHz	106 MHz [31.6mm ($1\frac{1}{4}$ ")]	"	CT ₂ (FM OSC Trimmer) CT ₁ (FM TUNE Trimmer)	(* 2) Adjust for maximum output. Repeat steps (2) and (3).
(* 2) Three output responses will be present; proper tuning is the center frequency.							

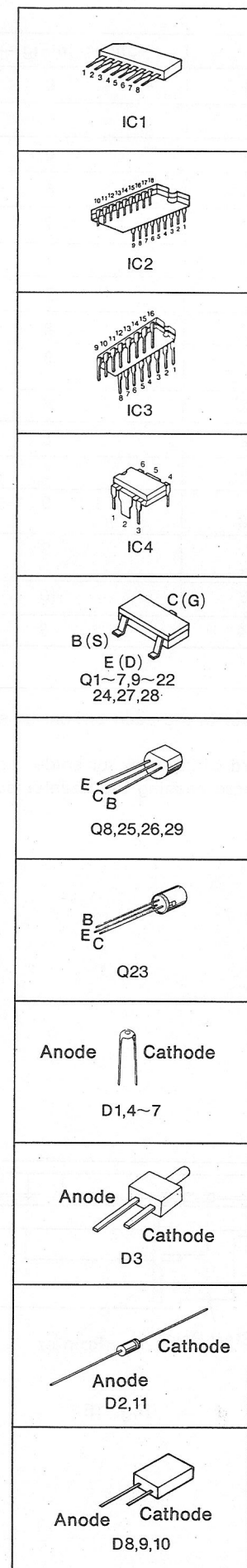
Notes:

1. S₁₋₁~S₁₋₆: Tape/radio selector switch in "Radio" position.
(1...Tape, 3...Radio)
2. S₂₋₁~S₂₋₈: Record/playback switch in "Playback" position.
3. S₃: Band selector switch in "FM" position.
(1...FM, 3...AM)
4. S₄₋₁, S₄₋₂: Mode switch in "Stereo" position.
(1...Stereo, 3...Mono)
5. S₅₋₁, S₅₋₂: Tone switch in "High" position.
(1...High, 3...Low)
6. S₆: Motor ON/OFF switch in "OFF" position.
7. S₇: Pause ON/OFF switch in "OFF" position.
8. VR₁: VCO oscillator frequency adjust.

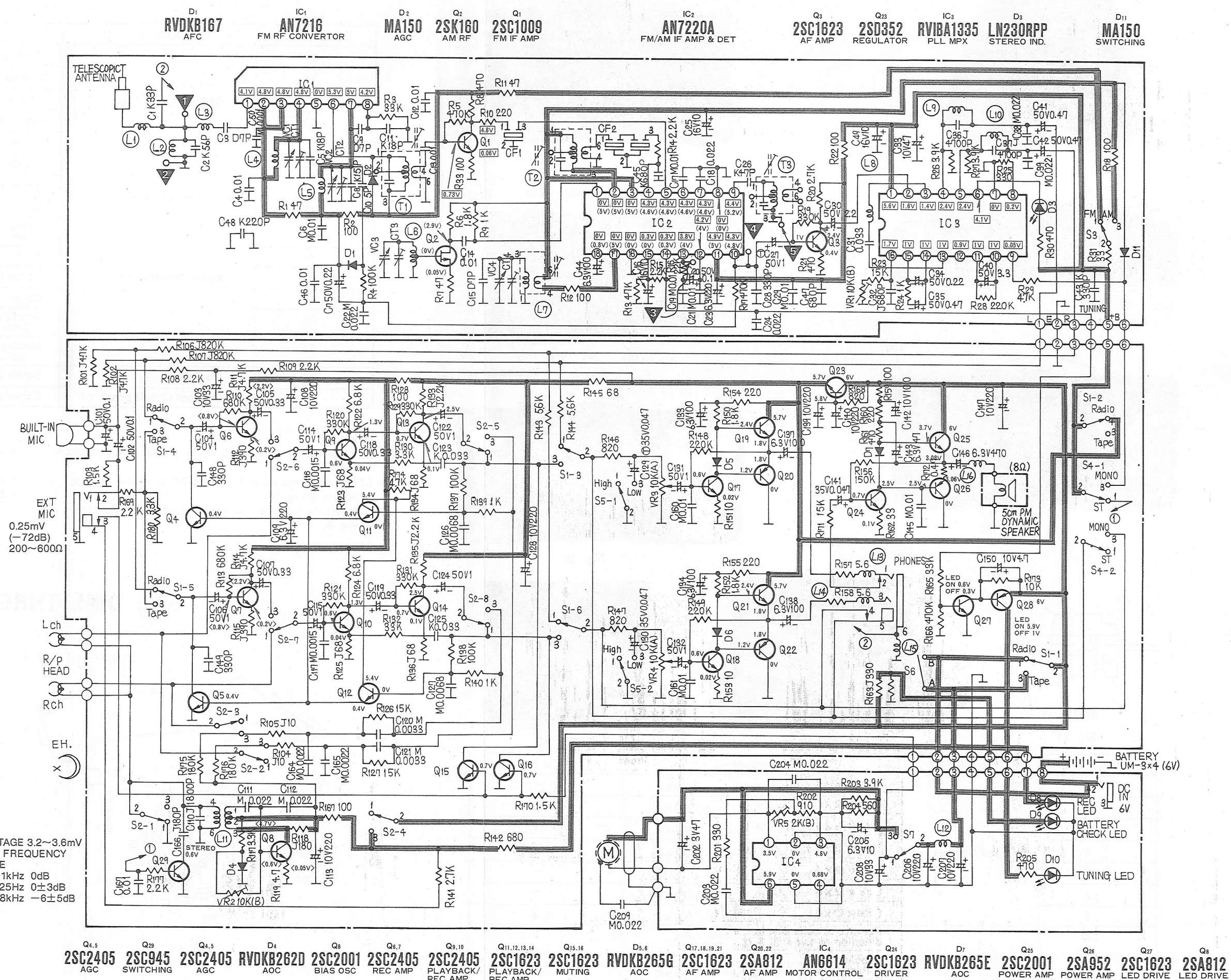
9. VR₂: Bias current adjustment VR.
10. VR₃, 4 : Volume control.
11. VR₅: Speed control.
12. The mark (▼) shows test point e.g. ▼ = Test point 1.
13. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
□...FM position, ()...AM position,
< >...Record position,
Q₁₅, 16...Pause ON/OFF switch in "ON" position.
Q₂₉...Mode switch in "Stereo" position.
14. Battery current: No signal60mA
Maximum (Radio)..... 250mA
Maximum (Tape)300mA

**BOTTOM VIEW****IC BLOCK DIAGRAM**

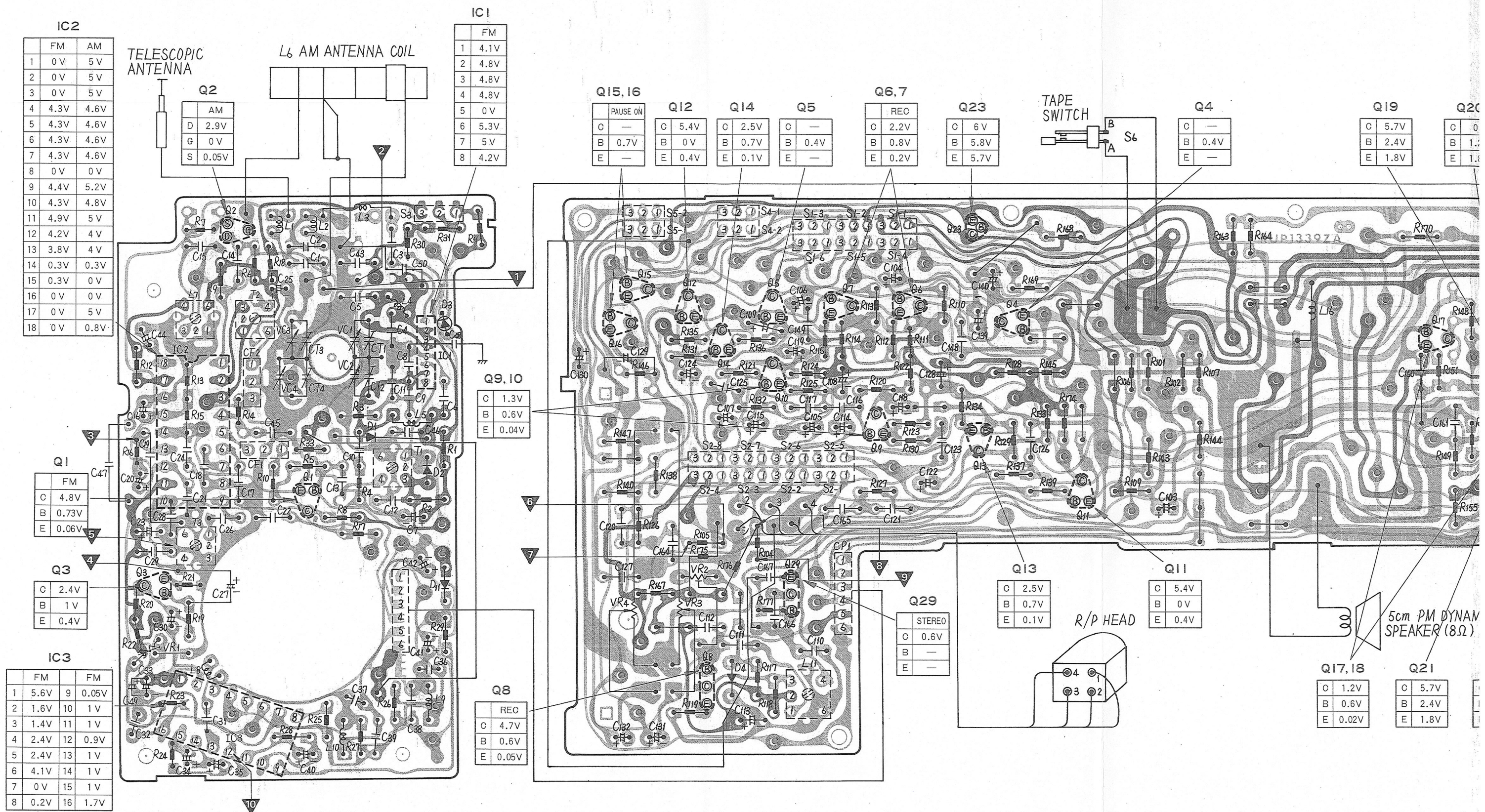
SCHEMATIC DIAGRAM Model RX-2700



BIAS VOLTAGE 3.2~3.6mV
OVERALL FREQUENCY
RESPONSE
Normal { 1kHz 0dB
125Hz 0±3dB
8kHz -6±5dB



CIRCUIT BOARD WIRING VIEW Model-RX-2700



SEPARATION ALIGNMENT

ITEM	SIGNAL 90 MHz, 60 dB SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	—	10...(+) 9...(-) 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
Bias oscillation frequency	—	9...(+) 9...(-) side	52 $\pm$ 0.6 kHz -0	L ₁₁	Record mode Function switch $\rightarrow$ radio Mode switch stereo $\rightarrow$ mono
Bias current	Use metal tape	(R) (+) (L) (+) (R) (-) (L) (-)	3.2~3.6 mV (L & R)	VR ₂	—

ALIGNMENT POINT

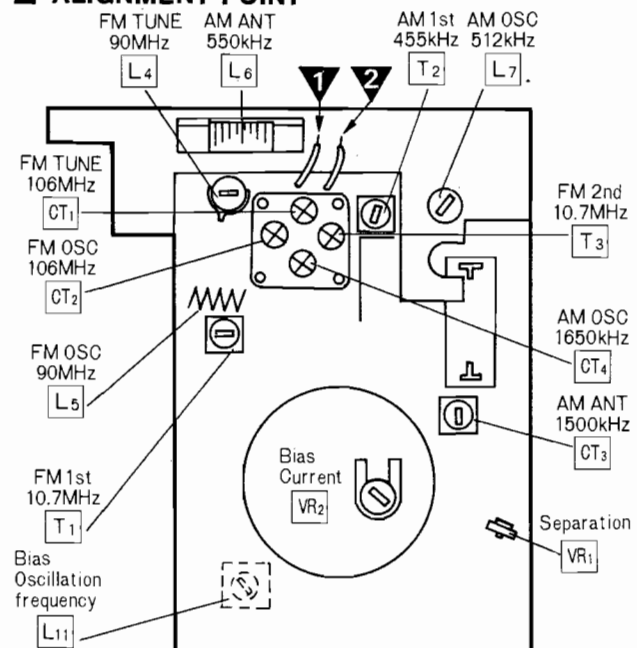


Fig. 16

Note: When servicing radio circuit board, first, connect numbered position from ① to ⑥ on audio circuit board to the same numbered position on radio circuit board as shown in figure 18 by using lead wires.

- ① Lch, ② Earth, ③ Rch, ④ Tuning LED, ⑤ +B (5.7V)
⑥ Monaural Switch

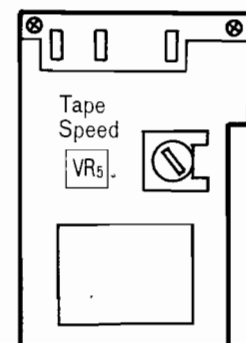
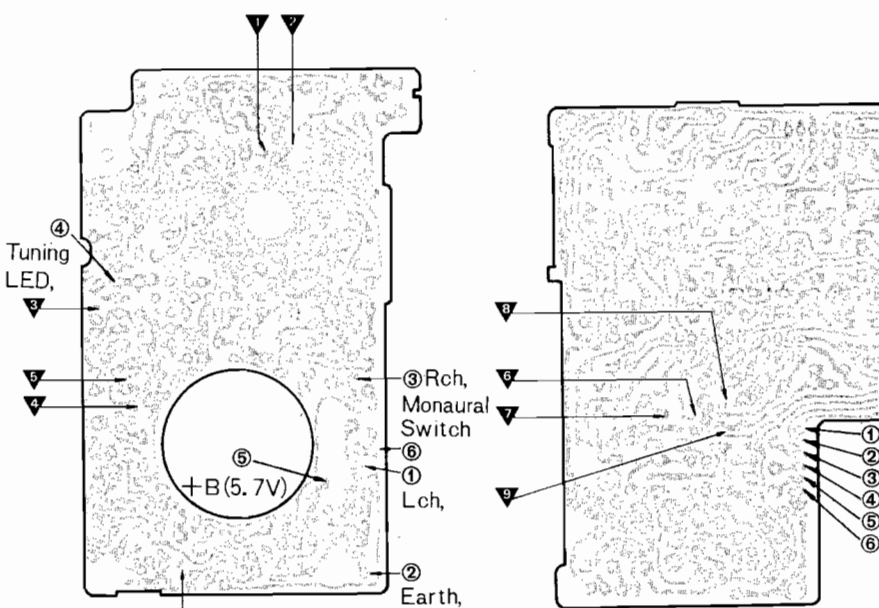


Fig. 17



(Radio Circuit Board)

Fig. 18

(Audio Circuit Board)

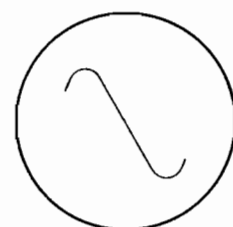


Fig. 19

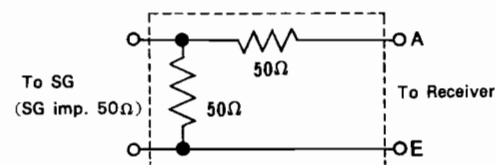
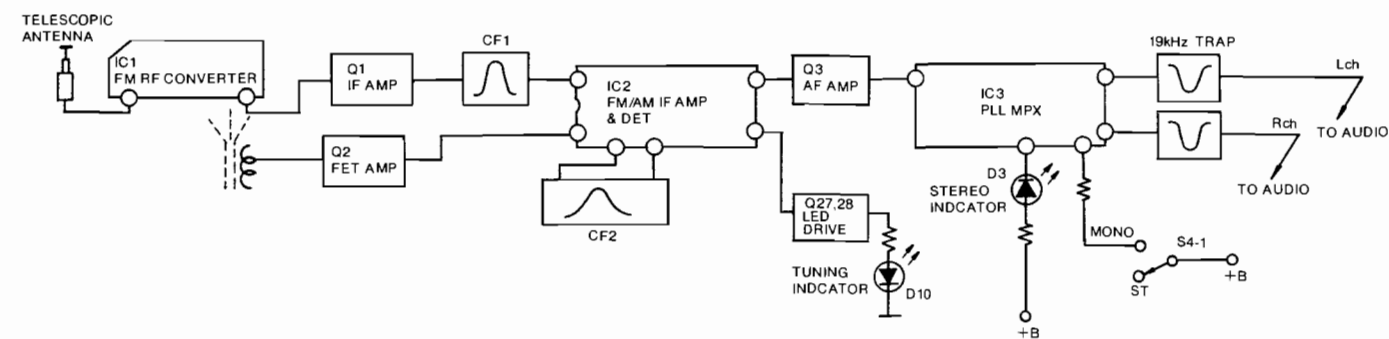


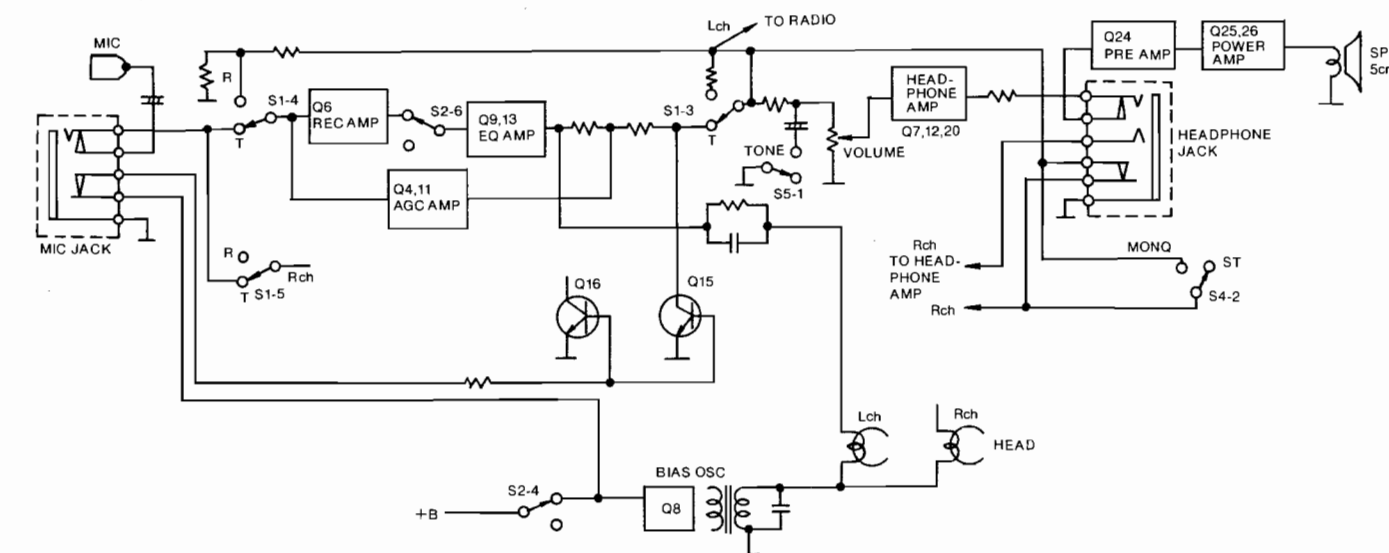
Fig. 20

BLOCK DIAGRAM

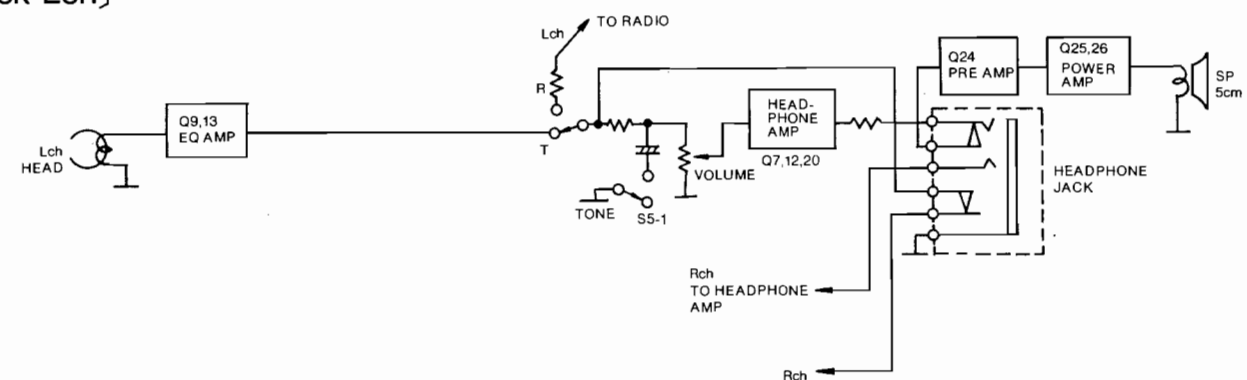
[Radio]



[Record Lch]



[Playback Lch]



[Power]

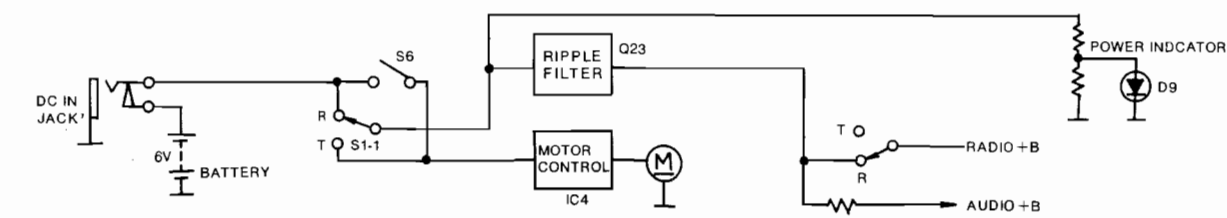
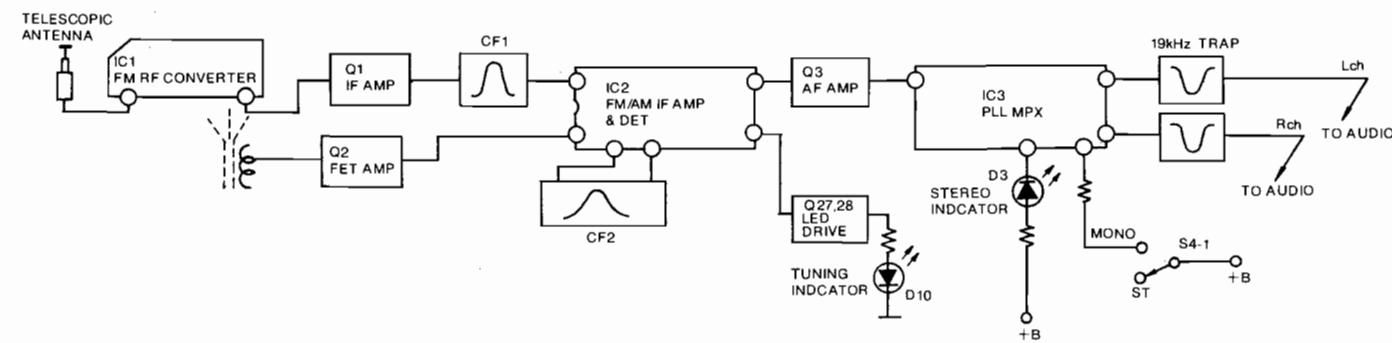


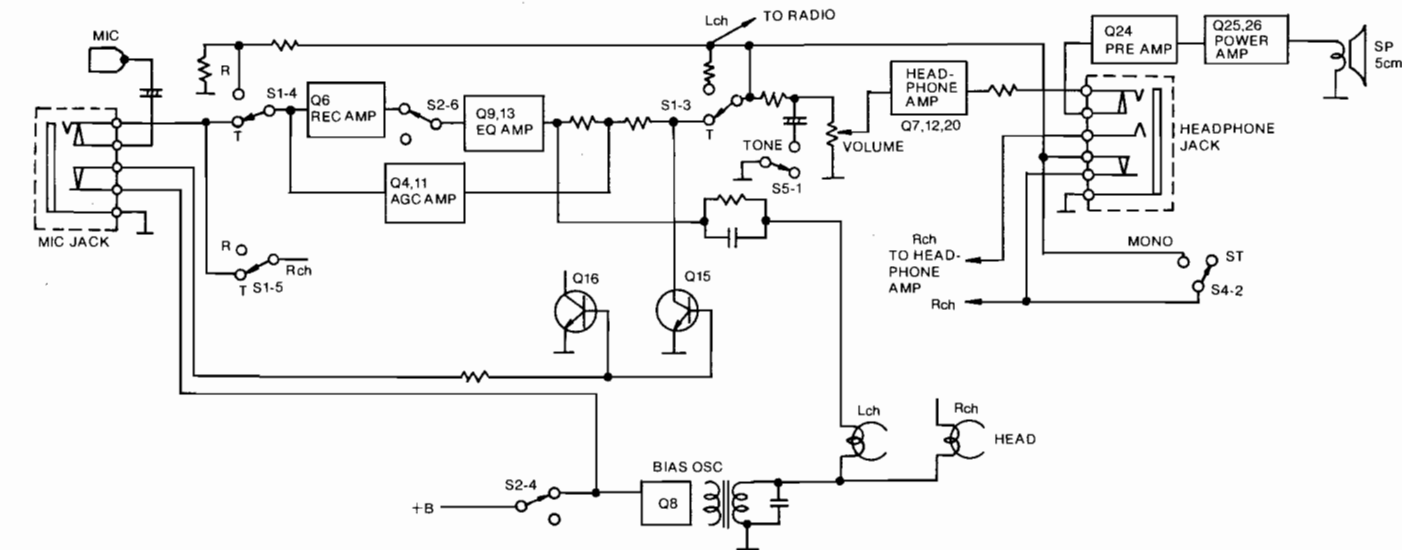
Fig. 21

BLOCK DIAGRAM

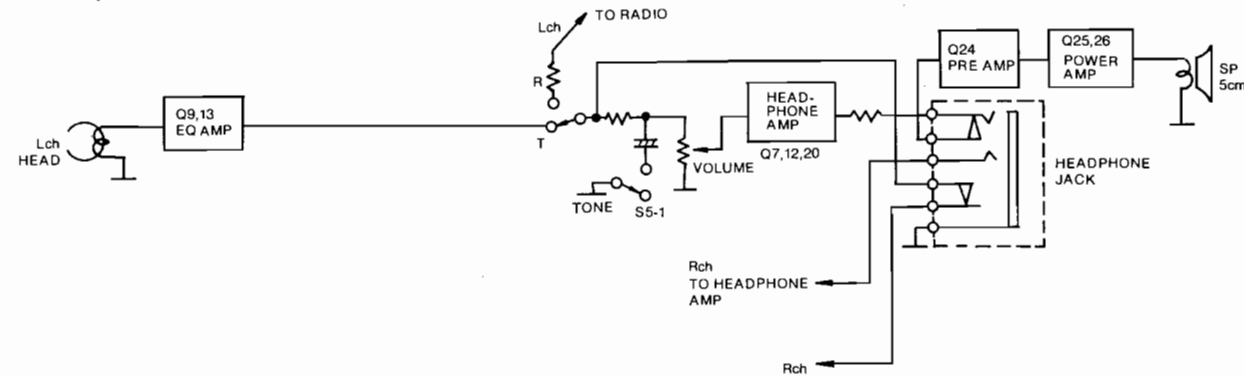
[Radio]



[Record Lch]



[Playback Lch]



[Power]

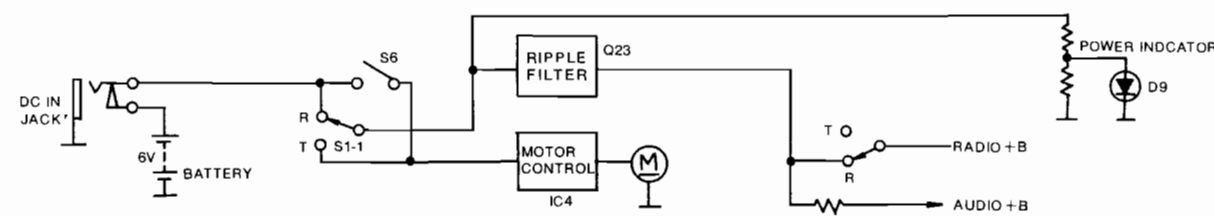


Fig. 21

CABINET PARTS

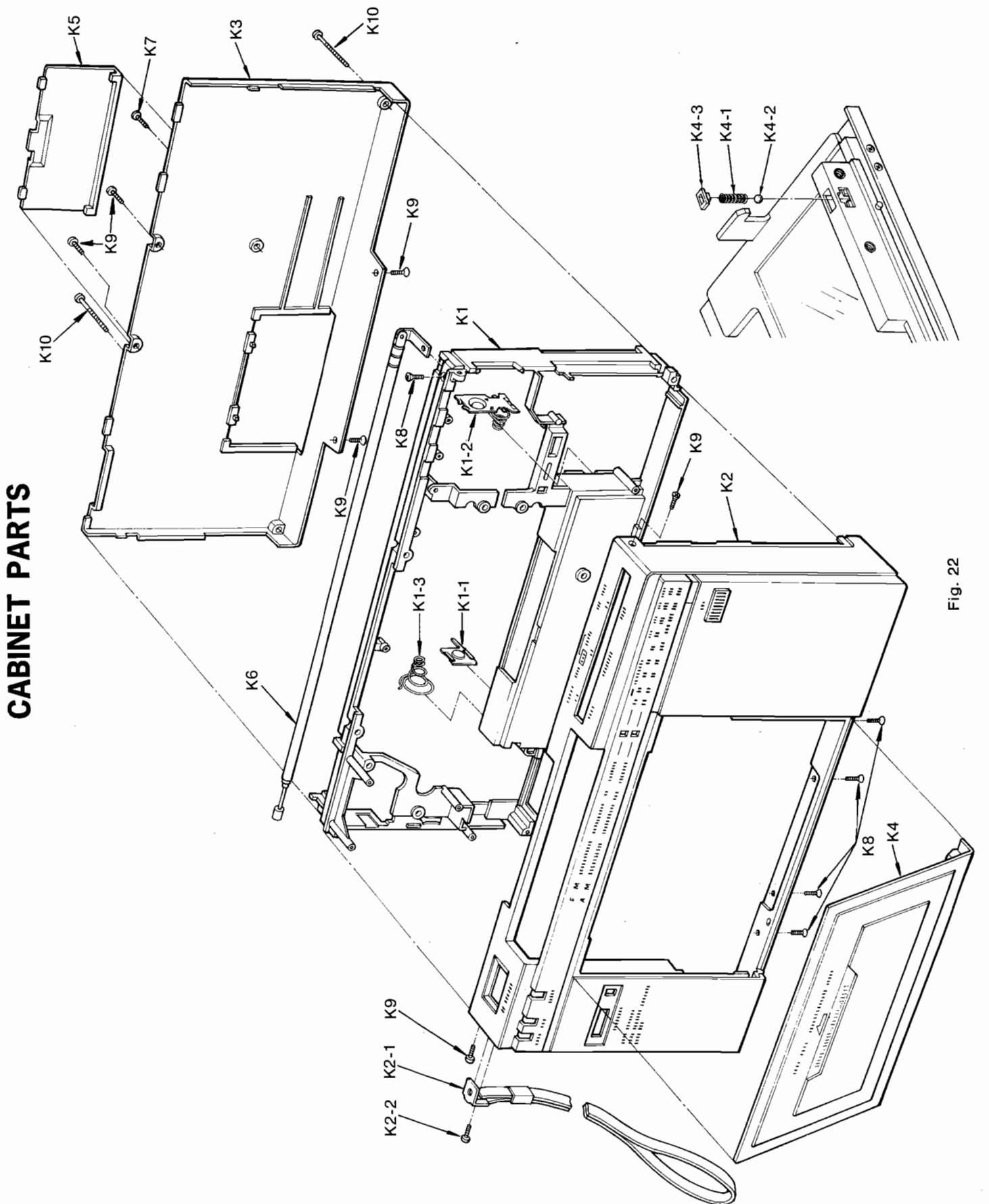


Fig. 22

EXPLODED VIEWS

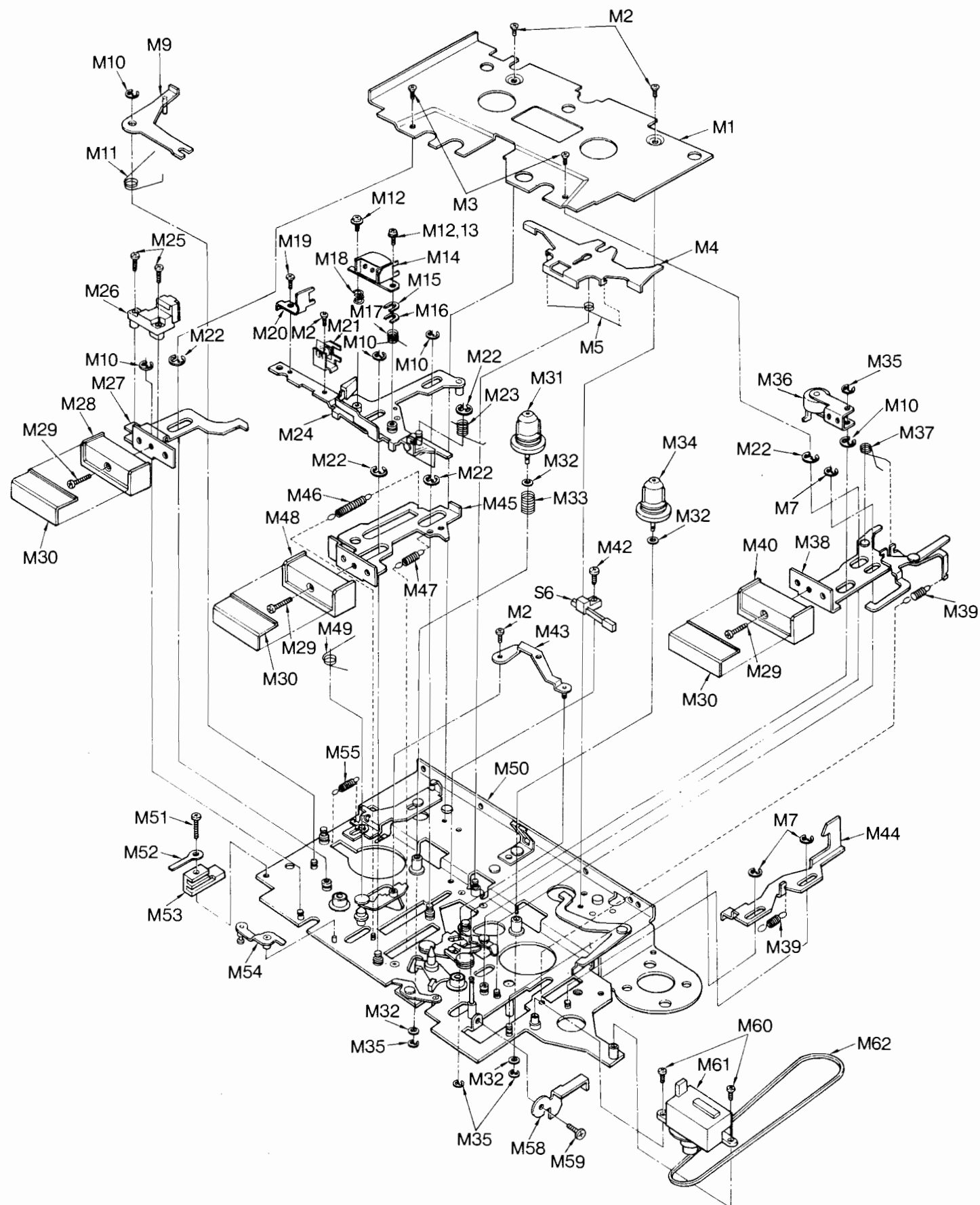


Fig. 23

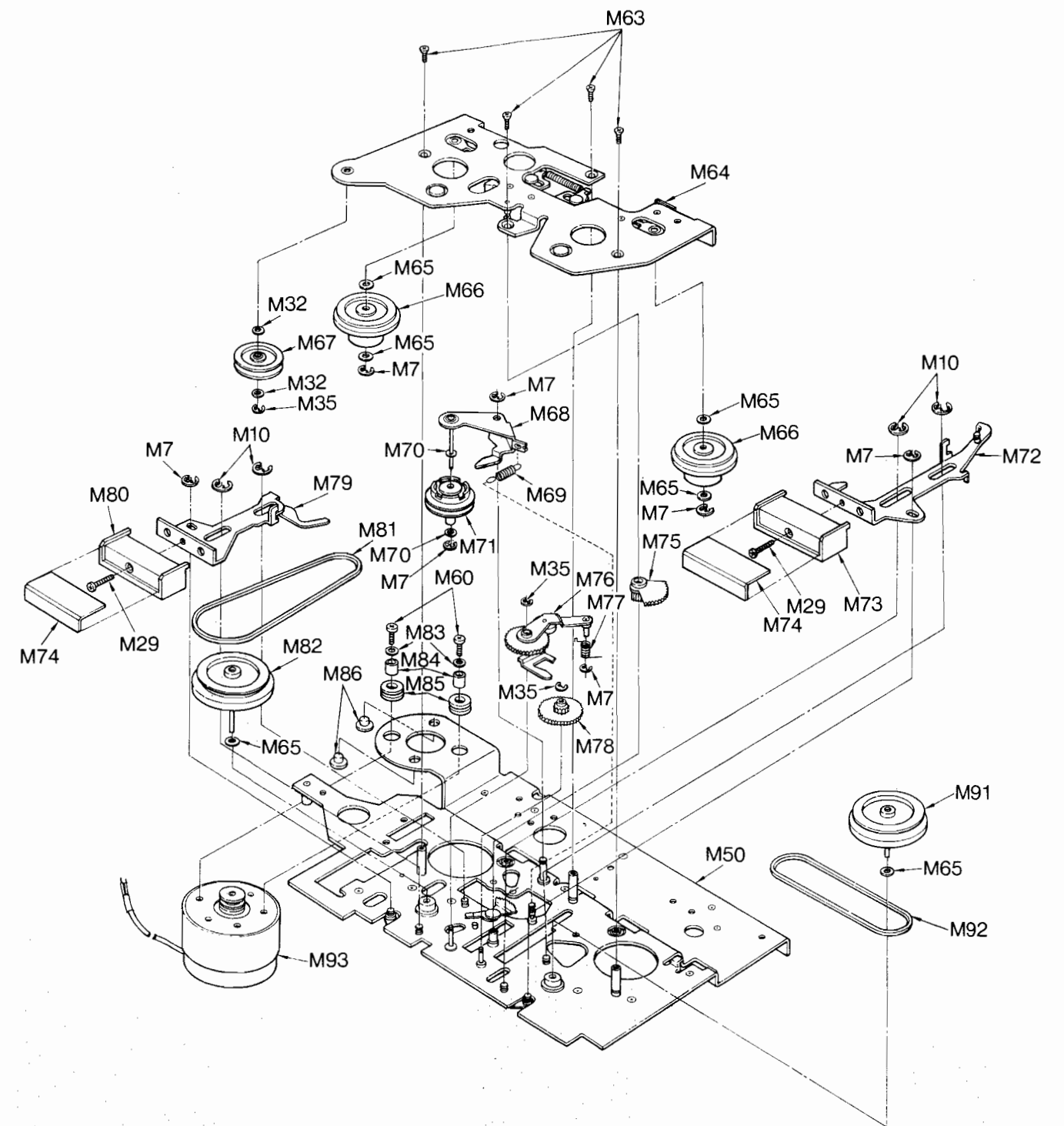


Fig. 24

ELECTRICAL PARTS

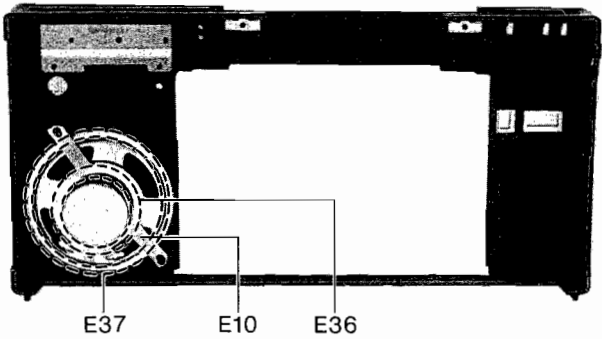


Fig. 25

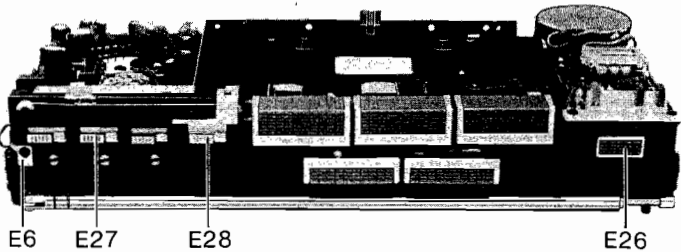


Fig. 27

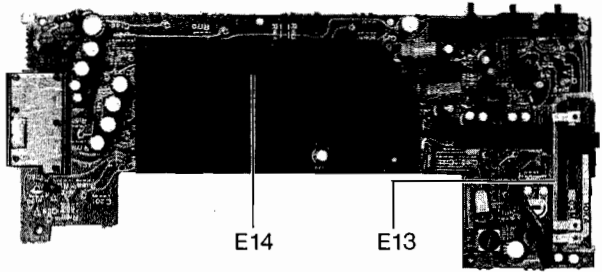


Fig. 29

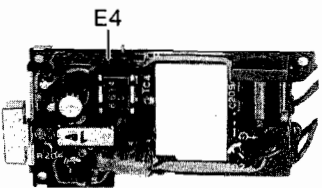


Fig. 30

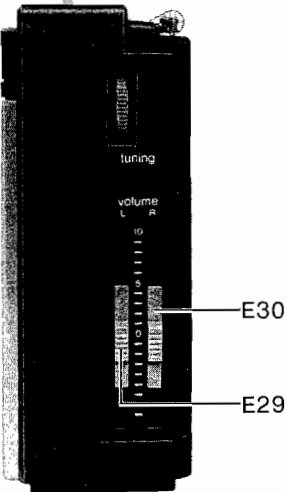


Fig. 32

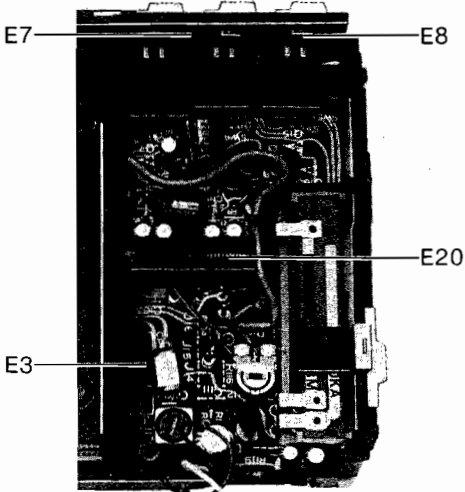


Fig. 33

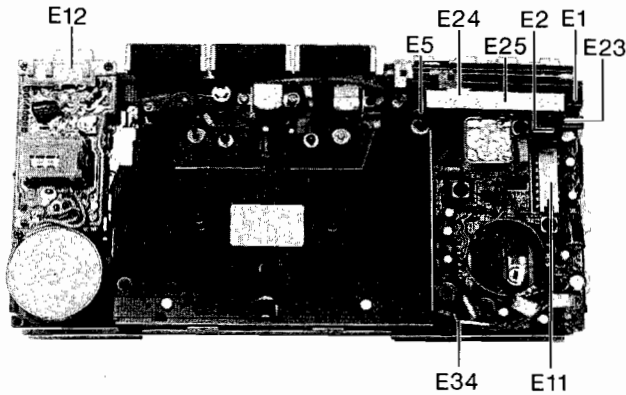


Fig. 26

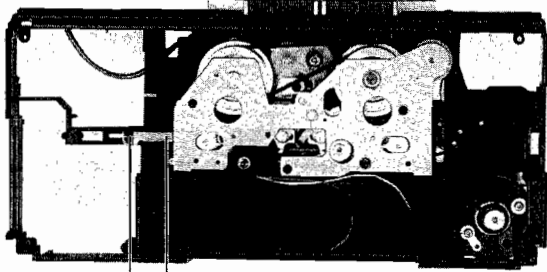


Fig. 28

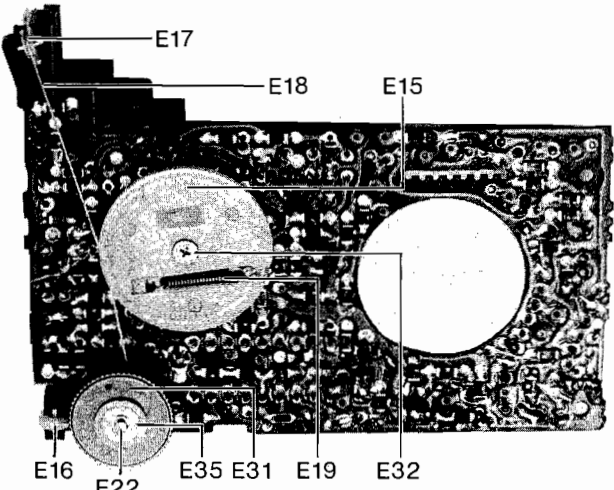


Fig. 31

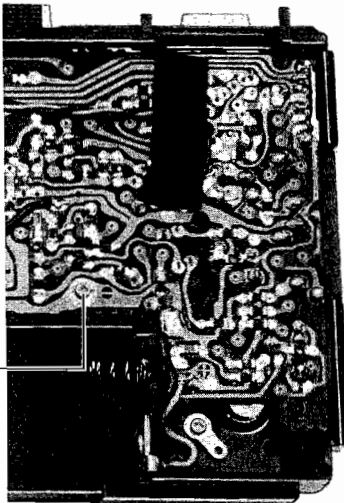


Fig. 34

REPLACEMENT PARTS LIST Model RX-2700 (RD8010-1817C)

NOTES: 1. Δ 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
M1	RFD70Z	MECHANICAL PARTS	1	
M2	XSNR17+2B	Cover, Mechanism	8	
M4	RFY22Z	Brake Lever	1	
M5	RFY22Z	Spring, Brake Lever	1	
M7	XUC15FT	Circlip	9	S
M9	RFY24Y	Lever, Rec	1	
M10	XUC2FT	Circlip	9	S
M11	RFY63Z	Spring, Rec Lever	1	
M12	XYN2+3	Screw	2	
M13	XWA2B	Washer	1	
M14	RJH2S1Z	R/P Head	1	
M15	RFY8Z	Spacer, R/P Head	1	
M16	RFY9Z	"	1	
M17	RFY56Z	Spring, Auto Stop Lever	1	
M18	RFY57Z	Spring, Head Adjust	1	
M19	XSN2+2	Screw	1	
M20	RFD72Z	Tape Guide	1	
M21	RFD71Z	Bracket	1	
M22	XUC25FT	Circlip	5	
M23	RFY58Z	Spring, Pinch Roller Arm	1	
M24	RFD9008Y	Head Base Ass'y	1	
M25	XSN2+7	Screw	2	
M26	RFY2Z	Erase Head Ass'y	1	
M27	RFY13Z	Rec Lever Ass'y	1	
M28	RFY8Z	Button, Rec	1	
M29	XSG2+7AFZ	Screw	5	
M30	RFY4X	Ornament, Button	3	
M31	RFY4Y	Supply Reel Table	1	
M32	RFN19Z	Washer	6	
M33	RFY64Z	Spring, Reel Table	1	
M34	RFY3Z	Takeup Reel Table	1	
M35	XUC12FT	Circlip	1	
M36	RFY2Z	Pinch Roller Arm Ass'y	4	
M37	RFY61Z	Spring, Eject Lever	1	
M38	RFY15Z	Stop Lever Ass'y	1	
M39	RFY62Z	Spring, Stop Lever Ass'y	2	
M40	RFY21Z	Button, Stop & Eject	1	
M42	XSNR17+3	Screw	1	
M43	RFY16Z	Stop Lever Ass'y	1	
M44	RFY21Z	Lock Lever	1	
M45	RFY14Z	Play Lever Ass'y	1	
M46	RFY59Z	Spring, Play Lever Ass'y	1	
M47	RFY60Z	Spring, Head Base Ass'y	1	
M48	RFY2Z	Button, Play	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
M49	RFS67Z	Spring, Rec Lock Lever	1	
M50	RFD9007Y	Base Plate Ass'y	1	
M51	XSN2+8BN	Screw	1	
M52	RFE19Z	Bracket, Lead	1	
M53	RFE20Z	Bracket, Head Base	1	
M54	RFY17Z	Review Lever Ass'y	1	
M55	RFS66Z	Spring, Record	1	
M58	RFY25Z	Eject Lever	1	
M59	XSH2+3	Screw	1	
M60	XSN2+4	"	4	
M61	RSE66Y	Tape Counter	1	
M62	RFB8Z	Belt, Tape Counter	1	
M63	XSS2+3B	Screw	1	
M64	RFD9009Z	Bottom Plate Ass'y	4	
M65	RFN20Z	Washer	1	
M66	RFQ8Z	Clutch Pulley Ass'y	6	
M67	RFQ6Y	Center Pulley Ass'y	2	
M68	RFY18Y	TU Clutch Lever Ass'y	1	
M69	RFS65Z	Spring, TU Clutch Lever Ass'y	1	
M70	RFN21Z	Washer	3	
M71	RFQ7Y	TU Clutch Pulley Ass'y	1	
M72	RFY19Z	Rewind Lever Ass'y	1	
M73	RFE6Z	Button, Review	1	
M74	RFZ7X	Ornament, Button	2	
M75	RFQ3Z	Auto Stop Gear	1	
M76	RFGLY	Auto Stop Gear Plate Ass'y	1	
M77	RFS102Z	Spring, Selector	1	
M78	RFQ2Z	Auto Stop Gear	1	
M79	RFY23Y	FF Lever	1	
M80	RFZ5Z	Button, Cue	1	
M81	RFB6Z	Belt, Flywheel	1	
M82	RFY5Z	Flywheel	1	
M83	RFX12Z	Washer	1	
M84	RFX10Z	Spacer, Motor	2	
M85	RFI5Z	Rubber, Motor	2	
M86	RFI6Z	"	2	
M91	RFY6Z	Flywheel	1	
M92	RFB7Z	Belt, Play	1	
M93	HCN3E6LC	Motor	1	
M94	RJT201A	Terminal	1	
INTEGRATED CIRCUITS, TRANSISTORS AND DIODES				
IC1	AN7216	IC	1	
IC2	AN7200A	IC	1	
IC3	RVIBAL335	IC	1	
IC4	AN6614	IC	1	
Q1	2SC1009	Transistor (Si)	1	
Q2	2SK160	" (Si)	1	
Q3,11,19,21,24,27	2SC1623	" (Si)	13	
Q4,7,9,10	2SC2405	" (Si)	6	
Q8,25	2SC2001	" (Si)	2	
Q20,22,28	2SA812	" (Ge)	3	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
Q23	2SD352	Transistor (Si)	1	
Q26	2SA952	" (Ge)	1	
Q29	2SC945	" (Si)	1	
D1	RVDKB167	Diode (Si)	1	S
D2,11	MA161	" (Si)	2	
D3	LN230RPP	" (Ga)	1	
D4	RVDKB262D	" (Si)	1	
D5,6	RVDKB265G	" (Si)	2	
D7	RVDKB265E	" (Si)	1	
D8,9	RVDPR531K	" (Si)	2	
D10	RVDPG5531KY	" (Si)	1	
L2		COILS AND TRANSFORMERS		
L4	RL04Y20	Trap Coil	1	
L5	RL04N125	Tuning Coil, FM	1	
L6	RL04Y19	Oscillator Coil, FM	1	
L7	RLF2Y13	Antenna Coil, AM	1	
L9,10	RL02A3	Oscillator Coil, AM	1	
L11	RLM1Z6	Trap Coil	2	
L12	RL09A1	Bias Oscillator Coil	1	
L16	RLQW47G1	Choke Coil	1	
T1,3	RLQZA2R2K	"	1	
T2	RLI4A4	IFT, FM	2	
	RLI2A8	IFT, AM	1	
VR1	EVNAA00B14	VARIABLE RESISTORS	1	
VR2	EVNMA4A00B14	Preset, 10k Ω (B), Separation	1	
VR3	RVV14A129	Preset, 10k Ω (B), Recording Bias	1	S
VR4	RVV14A128	Variable Resistor, 10k Ω (A), Volume Control (L)	1	
VR5	EVNA6AA00B23	Variable Resistor, 10k Ω (A), Volume Control (R)	1	
VCL,2,3,4	RCV4LC4VN	Preset, 2k Ω (B), Tape Speed	1	
CF1	RVFCF10M12FR	VARIABLE CAPACITOR	1	
CF2	RVFCFM2455B	Tuning Capacitor, w/Trimmer	1	
		Capacitor (CTL, 2, 3, 4)		
		CERAMIC FILTERS		
		Ceramic Filter	1	
		"	1	
		SPEAKER		
		Speaker, 5cm (2"), 4 Ω	1	
		SWITCHES		
S1	RSS2F03Z	Switch, Function	1	
S2	RSS2H01Z	" R/P	1	
S3	RSS2A16Z	" Band	1	
S4,5	RSS2B25Z	" Mode & Tone	2	
S6	RFAL0Z	" Motor	1	
S7	RSH2A08Z	" Pause	1	
J1	RJJ97Y	JACKS		
J2,3	RJJ2D1Z	Jack, DC IN	1	
		" Headphone & Mic	1	
R1,7,11	RRD18XX470	RESISTORS (Value is in OHMS)	3	
R2,12,18,22,33		47 1/8W Chip		
R3,165	RRD18XX101	100	8	
R4,137,138	RRD18XX333	33 k	2	
R5,17,166	RRD18XX104	100 k	3	
R6	RRD18XX474	470 k	3	
R8,21,30,161,205	RRD18XJ182	1.8 k	1	
R9,24,139,140	RRD18XX471	470	5	
R10,154,155,160	RRD18XX102	1 k	4	
R13	RRD18XX221	220	4	
R14,15,108,109,169,177	RRD18XX473	47 k	1	
R16	RRD18XX222	2.2 k	6	
R19,120,121,129,131	RRD18XX223	22 k	1	
R20,141	RRD18XX334	330 k	5	
R23	RRD18XJ153	2.7 k	2	
R25	RRD18XX331	15 k	1	
R26,27	RRD18XX392	330	1	
R28,148,149	RRD18XX392	3.9 k	2	
R29,101,102,174	RRD18XX224	220 k	3	
R31,162	RRD18XX472	4.7 k	4	
R103,170	RRD18XX330	33	2	
R104,105	RRD18XJ100	1.5 k	2	
R106,107	RRD18XX824	10	2	
R110,113	RRD18XX684	820 k	2	
R112,115	RRD18XJ391	680 k	2	
R111,114	RRD18XJ472	390	2	
R117,130,132	RRD18XJ132	4.7 k	2	
R118	RRD18XX332	3.3 k	3	
R119	RRD18XJ181	180	1	
R122,124	RRD18XX4R7	4.7	1	
R133,135	RRD18XX682	6.8 k	2	
R123,125,134,136	RRD18XJ222	2.2 k	2	
R142	RRD18XJ680	68	4	
R143,144	RRD18XX681	680	1	
R145	RRD18XX562	5.6 k	2	
R150,152	RRD18XX680	68	1	
	RRD18XX182	1.8 k	2	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R146, 147, 168	RRD18XX821	820 1/8W Chip	3	
R151, 153	RRD18XX100	10 " "	2	
R156	RRD18XX154	150 k " "	1	
R157, 158	RRD18XX5R6	5.6 " "	2	
R163	RRD18XJ331	330 " "	1	
R164	RRD18XJ271	270 " "	1	
R126, 127, 171	RRD18XJ153	15 k " "	3	
R173	RRD18XJ103	10 k " "	1	
R172	ERX12ANR47	0.47 1/2W Metal Oxide	1	S
R175, 176	ERD10TJ124	120 k 1/8W Carbon	2	
R201	ERD25FJ331	330 1/4W " "	1	S
R202	ERSB430911	910 1/2W Metal Oxide	1	
R203	ERD25FJ392	3.9 k 1/4W Carbon	1	S
R204	ERSB27J561	560 1/2W Metal Oxide	1	
R180	ERD10TJ332	3.3 k 1/8W Carbon	1	
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C1	ECUX1H330KC	33 P 50V Chip	1	
C2	ECUX1H560KC	56 P " "	1	
C3, 9, 15	ECUX1H070DC	7 P " "	3	
C4, 12, 13, 14, 46, 167	ECUX1H150KC	15 P " "	6	
C5, 11	ECUX1H103ZF	0.01 " "	2	
C6, 17, 21, 29, 145, 160, 161	ECUX1H180KC	18 P " "	7	
C7, 34	ECUX1H103MD	0.01 " "	2	
C8	ECFALHR22	0.22 " Electrolytic	1	
C10	ECUX1H050DC	5 P " Chip	1	
C16, 25	ECFALCK100	10 16V Electrolytic	2	
C18, 24	ECUX1H223ZF	0.022 50V Chip	2	
C19	ECFDD103MD	0.01 25V Semi-Conductor	1	
C20, 101, 102	ECFALH0R1	0.1 50V Electrolytic	3	
C22, 38, 39, 111, 112, 203, 209	ECUX1H223MD	220 6.3V Chip	7	
C23, 109	ECFALH0R2	0.022 50V Electrolytic	2	
C26	ECUX1H470KC	47 P 50V Chip	1	
C27	ECFALM105	1 10V Electrolytic	1	
C28, 43, 148, 149	ECUX1H331K	330 P 50V Chip	4	
C30	ECFALH0R2	2.2 " Electrolytic	1	
C31	ECUX1H333ZF	0.033 " Chip	1	
C32	ECQP2A681JZ	680 P 100V Polyester	1	
C33	ECFALAK470	47 10V Electrolytic	1	
C35, 41, 42	ECFALHR47	0.47 50V " "	3	
C36, 37	ECQP2A472JZ	4700 P 100V Polyester	2	
C40	ECFALH0R3	3.3 50V Electrolytic	1	
C44, 133, 134, 137, 138	ECFALH0R1	100 6.3V " "	5	
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C45	ECUX1H681K	680 P 50V Chip	1	
C47	ECXD1H681KB	680 P " Ceramic	1	
C48	ECXD1H221K	220 P " "	1	
C49	ECFALAE106S	10 10V Electrolytic	1	
C50	ECXD1H102MD	0.001 50V Ceramic	1	
C204	ECFVD223MD	0.022 25V Semi-Conductor	1	
C103, 208	ECFALAK330	33 10V Electrolytic	2	
C104, 106, 114, 115, 122, 124, 131, 132	ECFALH010	1 50V " "	8	
C105, 107, 118, 119	ECFALH0R33	0.33 " "	4	
C108, 113, 147	ECFALASS221	220 10V " "	3	
C110	ECQP2A182JZ	1800 P 100V Polyester	1	
C116, 117	ECUX1H152MD	0.015 50V Chip	2	
C120, 121	ECUX1H332MD	0.0033 " "	2	
C123, 125	ECFDD333KD	0.033 25V Semi-Conductor	2	
C126, 127	ECUX1H682MD	0.068 50V Chip	2	
C128, 140, 206	ECFALAV221	220 10V Electrolytic	3	
C129, 130, 141	ECFALVM473	0.047 35V " "	3	
C142	ECFALASS101	100 10V " "	1	
C143	ECFALJ470	47 6.3V " "	1	
C146	ECFALJSS471	470 " "	1	
C150	ECFALAM475	4.7 10V " "	1	
C164, 165	ECUX1H222MD	0.0022 50V Chip	2	
C166	ECMS05181JH	180 P " Mica	1	
C202	ECF0FE476S	47 3.15V Electrolytic	1	
C205	ECF0JE106S	10 " "	1	
C139, 207	ECFALAS221	220 10V " "	2	
CABINET PARTS				
K1	RYMX2700XG1	Cabinet Body Ass'y	1	
K1-1	RJC364Z	Terminal, Battery + Side	1	
K1-2	RJC930Z	Terminal, Battery - Side	1	
K1-3	RJC738Z	Spring, Battery - Side	1	
K2	RYFLX2700X91	Front Cabinet Ass'y	1	
K2-1	RKH97Y	Hand Strap	1	
K2-2	XSHR2+2FZ	Screw	1	
K3	RYF2X2700XG	Rear Cabinet Ass'y	1	
K4	RYQX2700XG1	Cassette Lid	1	
K4-1	RUS392Z	Spring, Cassette Lid	1	
K4-2	RHM19A	Steel Ball, Cassette Lid	1	
K4-3	RHML11Z	Stopper, Cassette Lid	1	
K5	RYNX2700XG91	Battery Case Ass'y	1	
K6	XEARK160DBY	Telescopic Antenna	1	
K7	XSSR2+8FZ	Screw	1	
K8	XSHR2+5FZ	" "	14	
K9	XTNR2+6CFZ	" "	13	
K10	XTSR2+22CFZ	" "	2	
ELECTRICAL PARTS				
E1	RZAX2000N	Dial Chassis Ass'y	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E2	WM063X	Built-in Microphone	1	
E3	RJE93Z	Parallel Jumper	1	
E4	RJE94Z	"	1	
E5	RJT201A	Terminal	1	
E6	RJT715Z	Terminal, Telescopic Antenna	1	
E7	RUA447Z	Chassis, Switch	1	
E8	RUB236Z	Lever, Switch	3	
E9	RUB237Z	Lever, R/P	1	
E10	RMS54Z	Bracket, Speaker	1	
E11	RM0607Z	Shield Cover, IC	1	
E12	RMP150Z	Holder, LED	1	
E13	RMR96Z	Holder, Volume	1	
E14	RMX187Z	Insulating Plate	1	
E15	RDD241Z	Drum, Dial	1	
E16	RDR32Z	Roller, Dial	2	
E17	RDY45Z	Shaft, Roller	2	
E18	RDZ03Y	Dial Cord	1	
E19	RDS2052Z	Spring, Dial	ROLL	
E20	RDS3160Z	Spring, R/P Switch	1	
E21	RDS2030Z	Spring, R/P Lever	1	
E22	RDX200Z	Shaft, Tuning Knob	1	
E23	RHG557Z	Rubber, Microphone	1	
E24	RDP819Z	Pointer, Dial	1	
E25	RDH172Z	Reflector Plate	1	
E26	RBC226Z1	Button, Pause	1	
E27	RBD125Z	Knob, Mode & etc.	3	
E28	RBD126Z	Knob, Band	1	
E29	RBD127Z	Knob, Volume (Left)	1	
E30	RBD128Z	Knob, Volume (Right)	1	
E31	RBT131Z	Knob, Tuning	1	
E32	XSHR17+3	Screw	1	
E33	XQG2+C4FN	"	1	
E34	XTNR2+4CFZ	"	8	
E35	XUC12FT	"	1	
E36	RHG570Z	Cushion	1	
E37	RHG569Z	"	1	
	XQG2+C4FZ	Screw	1	
		ACCESSORIES		
	RQD156Y	Case	1	
	RQC2003Z	Belt	1	
	RQB26Z	Pad, Belt	1	
	RD-9227M	Headphones	1	
	RJN24Z	Tape	1	
		PACKING MATERIALS		
	XZB26X20A04	Polyethylene Cover	1	
	RPK1054Z	Gift Box	1	
	RPE382Z	Sheet	1	
	RPE383Z	Pad, Accessory	1	
	RPE384Z	Pad, Headphones	1	
	RPE397Z	Display Sheet	1	
	RPN3219Z	Pad	1	
	RPS92Z	Sleeve	1	
	RPH344Z	Soft Sheet	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
	RQX6649Z	PRINTED MATERIAL Instruction Book	1	

RX-2700 DEUTSCH

■ TECHNISCHE DATEN

Stromversorgung:	Batterien; 6 V (vier Trockenbatterien UM-3, Größe AA)	Lautsprecher:	Eingebaut SP: 2" (Ø5 cm) dynamischer
Ausgangsleistung:	Eingebaut SP: 550 mW (bei max.) Headphone: 30 mW×2		PM-Lautsprecher (4Ω)
Frequenzbereich:	Eingebaut SP: 150~8500 Hz Headphone: 40~13000 Hz	Wellenbereiche:	Headphone: 1" (Ø2,2 cm)×2 (32Ω)
Aufnahmesystem:	Wechselstrom-Vormagnetisierung	Zeichenfrequenz:	UKW; 87,5~108 MHz
Bandgeschwindigkeit:	4,8 cm/s		MW; 520~1610 kHz (577~186 m)
Geschwindigkeits-schwankungen:	0,4% bewertet (WRMS)	Empfindlichkeit:	FM; 10,7 MHz
Spieldauer:	1 Stunde mit Cassette C-60		AM; 455 kHz
Spurlage:	Aufnahme und wiedergabe auf 4 spuren/2 Kanälen	Abmessungen (B×H×T):	UKW; 2μV bei 50 mW
Eingangsspannungen:	MIC; Empfindlichkeit 0,25 mV, Mikrofon impedanz 200~600Ω		Ausgangsleistung
	DC IN; 6 V	Gewicht (ohne Batterien):	AM; 150μV/m bei 50 mW
Ausgangsimpedanzen:	Headphone; 32Ω		Ausgangsleistung
			190×96×36 mm
			(7-1/2"×3-13/16"×1-7/16")
			Gerät (N) 620 g (1 lb. 6 oz.)
			Headphone: 54 g (2 oz.)

Änderungen vorbehalten.

■ BANDGESCHWINDIGKET

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFÄLTIG DURCHLESEN.	
1. Den Lautstärkeregler in die Maximalposition stellen. 2. Den Klangregler auf „hoch“ stellen. 3. Den „Tape/Radio“-Wahlschalter auf „Tape“ stellen. 4. Eine Gleichspannung von 6 V anlegen.	
ZÄHLER	EINSTELLUNG
An der Ohrhörerbuchse anschließen	1. Testband abspielen (QZZCWAT, 3 kHz). 2. Den spannungsabgleich VR5 einstellen, bis 3030 Hz ±15 Hz auf dem Zähler abgelesen werden.

■ VORGANGSWEISE BEIM ABGLEICH

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFÄLTIG DURCHLESEN	
1. Den Lautstärkeregler in die Maximalposition stellen. 2. Den Klangregler auf hoch stellen. 3. Den „Tape/Radio“-Wahlschalter auf „radio“ stellen. 4. Den Wellenbereichsschalter auf “AM” oder “FM” stellen.	5. Eine Stromquelle von 6 V Gleichstrom anlegen. 6. Der Signalgeneratorausgang sollte nicht größer sein, als für eine Ausgangsanzeige unbedingt notwendig ist.

■ AM-ABGLEICH

WEL- LEN- BAND	SIGNALGENERATOR oder WOBBELGENERATOR		STELLUNG DES ABSTIMM- REGLERS	MESSGERÄT (RÖHREN- VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	ANSCHLÜSSE	FREQUENZ				
AM-ZF-ABGLEICH						
(1) AM	Aus einem Draht einige Schleifenwindungen bilden und das Signal in die Empfängerschleife	455 kHz 30% mod. (Modulationsfrequenz 400 Hz)	Der Abstimm- punkt, wo keine Interferenz auftritt.	Ausgangsleis- tungsmesser parallel zur Lautsprecher- Schwingspule.	T2 (1. AM-ZF- Abgleich)	Die maximale Ausgangs- leistung einstellen.
AM-HF-ABGLEICH						
(2) AM	“	512 kHz	Drehkondensator ganz geschlossen	“	L7 (Oszillator- spule)	“
(3) AM	“	550 kHz	Das Signal empfangen.	“	(*1) L6 (Antennen- spule)	Die maximale Ausgangsleistung einstellen. L6 Durch Verschieben abgleichen.
(4) AM	“	1500 kHz	Das Signal empfangen.	“	CT3 (Antennen- trimmer)	Die maximale Ausgangsleistung einstellen.
(5) AM	“	1650 kHz	Drehkondensator ganz geöffnet.	“	CT4 (Oszillator- spule)	Die maximale Ausgangsleistung einstellen. Die Schritte (2) bis (5) wiederholen.
(*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.						

■ FM-ABGLEICH

WEL- LEN- BAND	SIGNALGENERATOR oder WOBBELGENERATOR		STELLUNG DES ABSTIMM- REGLERS	MESSGERÄT (RÖHREN- VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	ANSCHLÜSSE	FREQUENZ				
FM-ZF-ABGLEICH						
(1) FM	Über einen an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließeb.	10,7 MHz	Der Abstimpunkt, wo keine Interferenz auftritt.	Die Vertika- lamplitude des Oszilloskops an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließen.	T1 (FM-ZF- Abgleich) T3 (FM-ZF- Abgleich) (Primärspule)	Die Maximalamplitude einstellen. (Siehe Abb. 19.)

■ AM-ABGLEICH

WEL- LEN- BAND	SIGNALGENERATOR oder WOBBELGENERATOR		STELLUNG DES ABSTIMM- REGLERS	MESSGERÄT (RÖHREN- VOLT- METER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN	
	ANSCHLÜSSE	FREQUENZ					
AM-ZF-ABGLEICH							
(1)	AM	Aus einem Draht einige Schleifenwindungen bilden und das Signal in die Empfängerschleife	455 kHz 30% mod. (Modulationsfrequenz 400 Hz)	Der Abstimm-punkt, wo keine Interferenz auftritt.	Ausgangsleis-tungsmesser parallel zur Lautsprecher-Schwingspule.	T2 (1. AM-ZF-Abgleich)	Die maximale Ausgangs-leistung einstellen.
AM-HF-ABGLEICH							
(2)	AM	"	512 kHz	Drehkondensator ganz geschlossen	"	L7 (Oszillator-spule)	"
(3)	AM	"	550 kHz	Das Signal empfangen.	"	(*1) L6 (Antennen-spule)	Die maximale Ausgangsleistung einstellen. L6 Durch Verschieben abgleichen.
(4)	AM	"	1500 kHz	Das Signal empfangen.	"	CT3 (Antennen-trimmer)	Die maximale Ausgangsleistung einstellen.
(5)	AM	"	1650 kHz	Drehkondensator ganz geöffnet.	"	CT4 (Oszillator-spule)	Die maximale Ausgangsleistung einstellen. Die Schritte (2) bis (5) wiederholen.
(*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.							

■ FM-ABGLEICH

WEL- LEN- BAND	SIGNALGENERATOR oder WOBBELGENERATOR		STELLUNG DES ABSTIMM- REGLERS	MESSGERÄT (RÖHREN- VOLT- METER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	ANSCHLÜSSE	FREQUENZ				
FM-ZF-ABGLEICH						
(1) FM	Über einen an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließeb.	10,7 MHz	Der Abstimpunkt, wo keine Interferenz auftritt.	Die Vertika- lamplitude des Oszilloskops an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließen.	T1 (FM-ZF- Abgleich) T3 (FM-ZF- Abgleich) (Primärspule)	Die Maximalamplitude einstellen. (Siehe Abb. 19.)

FM-HF-ABGLEICH

(2)	FM	Über eine künstliche UKW-Antenne an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließen. (Siehe Abb. 20.)	90 MHz	90 MHz [4,7 mm]	//	L5 (FM- Oszillators- pule) L4 (FM- Abstimm- spule)	(*2) Die maximale Ausgangsleistung einstellen.
(3)	FM	//	106 MHz	106 MHz [31,6 mm]	//	CT2 (FM- Oszillator- trimmer) CT1 (FM- Abstimm- trimmer)	(*2) Die maximale Ausgangsleistung einstellen. Die Schritte (2) und (3) wiederholen.
(*2) Es gibt drei verschiedene Ausgangsfrequenzkurven. Stimmen Sie die Mittelfrequenz ab.							

■ 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
Oszillations- frequenz für Vormagnetisi- erung	—	▼ ▼	52+0,6 kHz -0	L11	Funktionsschalter→ radio Betriebsart→stereo→mono
Vormagnetisie- rungsstrom	für METAL Band	▼ (linker Kanal) ▼ (rechter Kanal) ▼ (linker Masse) ▼ (rechter Masse)	3,2~3,6 mV (linker, & rechter)	VR2	—

Bemerkungen:

- S1-1~S1-6: „Tape/Radio“ Wahlschalter auf „Radio“ (1...Cassette, 3...Radio).
- S2-1~S2-8: Aufnahme-/Wiedergabeschalter auf „Wiedergabe“.
- S3: Wellenbereichsschalter auf „UKW“ (1=UKW, 3=MW).
- S4-1, S4-2: Betriebsartenschalter in Stellung „Stereo“ (1=stereo, 3=mono)
- S5-1, S5-2: Klangregler auf „hoch“.
- S6: EIN/AUS-Schalter des Motors (auf „AUS“).
- S7: Pausetaste auf „AUS“.
- VR1: Einstellung der spannungsgesteuerten Oszillatorfrequenz.
- VR2: RW zur Einstellung des Vormagnetisierungsstroms.
- VR3, 4: Lautstärkeregler.
- VR5: Geschwindigkeitsregler.
- Die Markierung (▼) bezeichnet einen Meßpunkt, z.B:▼=Meßpunkt 1.
- Alle Gleichspannungen sind mit einem Elektronikvoltmeter vom negativen Batterieanschluß als zu messen.
□... Stellung „FM“, ()... Stellung „AM“
< >... Stellung „Aufnahme“, Q15, 16... Lichtschalter auf „EIN“.
Q29... Betriebsartenschalter in Stellung „Stereo“.
- Batteiestrom: ohne Signal 60 mA
bei maximaler Ausgangsleistung (Radio) 250 mA
bei maximaler Ausgangsleistung (Cassette) 300 mA

RX-2700 FRANCAIS

SPECIFICATIONS

Généralités:	Piles; 6 V (four piles sèches UM-3, dimension AA)	Sortie:	Headphone; 32Ω
Puissance de sortie:	Incorporé SP: 550 mW (c.a. max.)	Haut-parleur:	Incorporé SP: 2" (5 cm) haut-parleur dynamique à aimant permanent (4Ω)
Gamme de fréquence:	Headphone: 30 mW×2		Headphone; 1" (2,2 cm)×2 (32Ω)
	Incorporé SP: 150 à 8500 Hz	Fréquence radio:	FM; 87,5 à 108 MHz
	Headphone; 40 à 13000 Hz		AM; 520 à 1610 kHz (577 à 186 m)
Système d'enregistrement:	Polarisation c.a, effacement magnétique	Fréquence intermédiaire:	FM; 10,7 MHz
Vitesse de bande:	4,8 cm/sec.	Sensibilité:	AM; 455 kHz
Pleurage et scintillement:	0,4% (WRMS)		FM; 2μV pour une sortie de 50 mW
Durée de lecture:	1 heure avec cassette C-60	Dimensions (i×h×Pr) mm:	AM; 150μV/m pour une sortie de 50 mW
Pistes:	Enregistrement et lecture stéréo 4 pistes, 2 canaux	Poids kg:	190×96×36
Entrée:	MIC; sensibilité 0,25 mV; impédance applicable pour microphone 200 à 600Ω		(7-1/2"×3-13/16"×1-7/16")
	DC IN; 6 V		Poste 0,62 sans piles
			Headphone: 0,054 sans piles

Les spécifications sont sujettes à des changements sans préavis.

VITESSE DE BANDE

AVANT DE PROCEDER AUX ALIGNEMENTS, LIRE ATTENTIVEMENT CE QUI SUI	
1. Placer le potentiomètre de volume au maximum. 2. Placer la commande de tonalité sur aigu. 3. Placer sélecteur bande/radio sur "bande". 4. Régler la tension sur 6 V c.c.	
COMPTEUR	REGLAGE
Brancher sur le jack de l'écouteur à oreille	1. Procéder à la lecture de la cassette de contrôle (QZZCWAT, 3 kHz). 2. Régler VR5 jusqu'à ce que le compteur indique 3030 Hz ±15 Hz.

INSTRUCTIONS D'ALIGNEMENT

AVANT DE PROCEDER AUX ALIGNEMENTS, LIRE ATTENTIVEMENT CE QUI SUI	
1. Régler le potentiomètre de volume au maximum. 2. La commande de tonalité sur aigu. 3. Placer sélecteur bande/radio sur "radio". 4. Le sélecteur d e ban d e sur AM ou FM.	5. Régler la tension sur 6 V C.C. 6. Régler la sortie du générateur étaloné de façon à ne pas surcharger les circuits.

ALIGNEMENT AM

BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
	BRANCHEMENTS	FREQUENCE				
ALIGNEMENT AM sur IF						
(1)	AM	Faire une boucle de plusieurs tours de fil et émettre le signal dans la boucle du récepteur.	455 kHz (modulation de 30% à 400 Hz)	Point de non- interférence	Voltmètre branché à la bobine oscillatrice	T2 (AM 1 ^{er} IFT) Régler pour une sortie maximum.
ALIGNEMENT HF sur AM						
(2)	AM	“	512 kHz	Condensateur variable totalement fermé	“	L7 (bobine d'oscillateur) “
(3)	AM	“	550 kHz	Syntoniser sur le signal	“	(*) L6 (bobine d'antenne) Régler pour une sortie maximum en glissant la bobine L6 le long du noyau en ferrite.
(4)	AM	“	1500 kHz	“	“	CT3 (trimmer d'antenne) Régler pour une sortie maximum.
(5)	AM	“	1650 kHz	Condensateur de syntonisation ouvert à fond	“	CT4 (trimmer d'oscillateur) Régler pour une sortie maximum. Refaire les étappes (2) à (5).
(*) Sceller la bobine à la cire après avoir achevé l'alignement.						

ALIGNEMENT FM

BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETER ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
	BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT FM sur IF					
(1) FM	Brancher au point ▼ Côté négatif au point ▼.	10,7 MHz	Point de non- interférence	Brancher la sonde vert. de l'oscilloscope au point ▼. Côté négatif au point ▼.	T1 (FM IFT) T3 (FM IFT) (Primaire)	Régler pour une amplitude maximum. (Voir fig. 19.)

ALIGNEMENT AM

NDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
	BRANCHEMENTS	FREQUENCE				
ALIGNEMENT AM sur IF						
AM	Faire une boucle de plusieurs tours de fil et émettre le signal dans la boucle du récepteur.	455 kHz (modulation de 30% à 400 Hz)	Point de non- interférence	Voltmètre branché à la bobine oscillatrice	T2 (AM 1 ^{er} IFT)	Régler pour une sortie maximum.
ALIGNEMENT HF sur AM						
AM	“	512 kHz	Condensateur variable totalement fermé	“	L7 (bobine d'oscillateur)	“
AM	“	550 kHz	Syntoniser sur le signal	“	(*1) L6 (bobine d'antenne)	Régler pour une sortie maximum en glissant la bobine L6 le long du noyau en ferrite.
AM	“	1500 kHz	“	“	CT3 (trimmer d'antenne)	Régler pour une sortie maximum.
AM	“	1650 kHz	Condensateur de syntonisation ouvert à fond	“	CT4 (trimmer d'oscillateur)	Régler pour une sortie maximum. Refaire les étappes (2) à (5).
*1) Sceller la bobine à la cire après avoir achevé l'alignement.						

ALIGNEMENT FM

NDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETER ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
	BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT FM sur IF					
	Brancher au point ▼ Côté négatif au point ▼.	10,7 MHz	Point de non- interférence	Brancher la sonde vert. de l'oscilloscope au point ▼. Côté négatif au point ▼.	T1 (FM IFT) T3 (FM IFT) (Primaire)	Régler pour une amplitude maximum. (Voir fig. 19.)

ALIGNEMENT HF sur FM						
(2)	FM	Brancher au point ▼ via une antenne fictive FM. Côté négatif au point ▼. (Voir fig. 20.)	90 MHz	90 MHz [4,7 mm (3/16'')]	“	L5 (bobine d'oscillateur FM) L4 (bobine TUNER FM) (*2) Régler pour une sortie maximum.
(3)	FM	“	106 MHz	106 MHz [31,6 mm (1-1/4'')]	“	CT2 (trimmer d'oscillateur FM) CT1 (trimmer TUNE FM) (*2) Régler pour une sortie maximum. Refaire les étapes (2) et (3).
(*2) Il y aura trois réponses de sortie; la syntonisation adéquate est la fréquence du milieu.						

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
Fréquence d'oscillation de polarisation	—	▼ ▼	52+0.6 kHz −0	L11	fonctions→radio mode→stéréo→mono
Courant de polarisation	Utiliser une bande METAL.	▼ (canal gauche) ▼ (canal droit) ▼ (terre gauche) ▼ (terre droit)	3,2 à 3,6 mV (gauche & droit)	VR2	—

- Remarques:
- S1-1~S1-6: Sélecteur bande/radio (montré en Position de Radio)
(1... Bande, 3... Radio)
 - S2-1~S2-8: Commutateur enregistrement/lecture en position "Lecture".
 - S3: Sélecteur de gamme d'onde (montré en position "FM") (1... FM, 3... AM)
 - S4-1, S4-2: Sélecteur de mode en position "STEREO"(1=stéréo, 3=mono)
 - S5-1, S5-2: Commande aigu/grave du tonalité en position "Aigu".
 - S6: Commutateur marche/arrêt du moteur en position "Arrêt".
 - S7: Commande marche/arrêt du pause en position "Arrêt".
 - VR1: Réglage de fréquence de l'oscillateur VCO.
 - VR2: Commande de réglage du courant de polarisation.
 - VR3, 4: Potentiomètre de volume.
 - VR5: Commande de vitesse de bande.
 - La marque (▼) signale un point de vérification. Ex.: ▼=point de vérification 1.
 - 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, Q15, 16... Commutateur marche/arrêt du l'éclairage en position "Marche".
Q29... Sélecteur de mode en position "STEREO".
 - Courant des piles: Pas de signal 60 mA
Sortie maximum (Radio) 250 mA
Sortie maximum (Bande) 300 mA