ORDER NO. RD8011-5150C

Service Manual

Radio Cassette

RX-1550LS

FM/LW/MW Radio Cassette Recorder

RX-1810 MECHANISM SERIES

■ Specifications

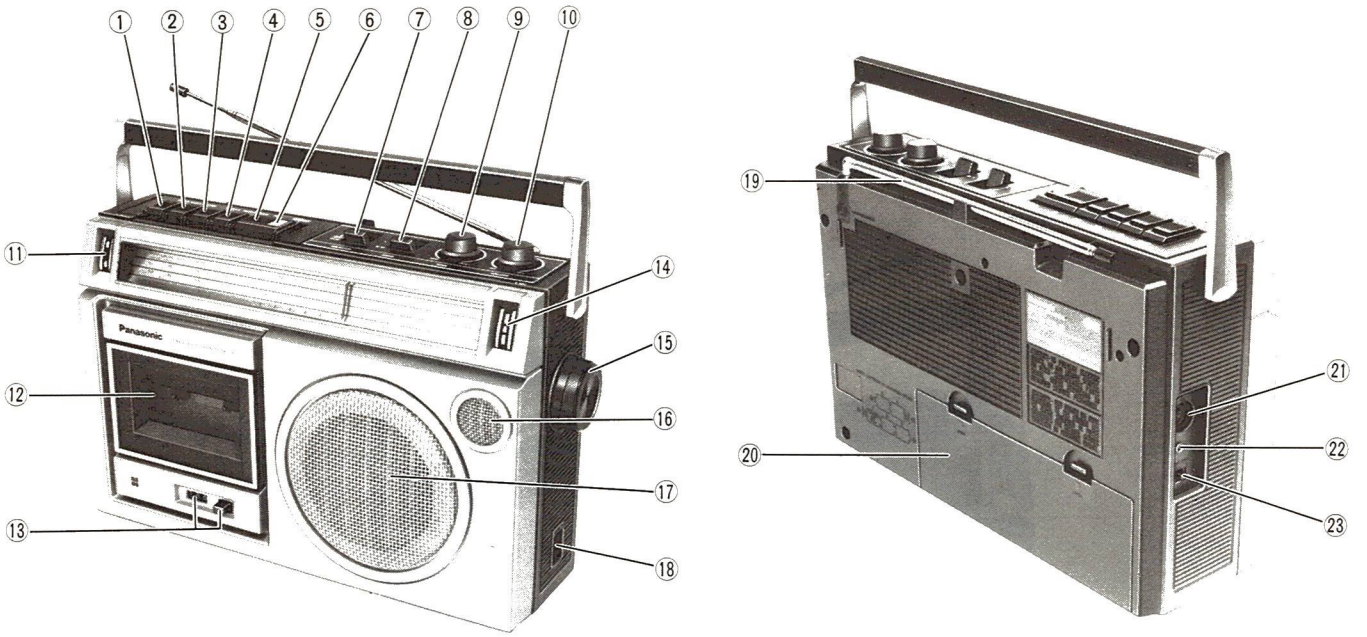
Power Requirement:	AC; 220V, 50/60Hz Battery; 7.5V (five "D" size dry batteries) (National UM-1 or equivalent)
Power Consumption:	8W
Power Output:	2.5W...(DC max.)
Frequency Range:	80 ~ 10,000Hz
Recording System:	AC bias, MAGNET erase
Tape Speed:	4.8cm/s, ($1^{7}/_{8}$ ips)
Program Time:	1 hour with C-60 cassette tape
Track System:	2-track 1 channel monaural recording and playback
REC/PB Connection:	5P DIN type; Sensitivity IN PUT; 0.25mV/2.7kΩ OUTPUT; variable
Output:	EXT SP; 3.2 ~ 8Ω
Speaker:	Woofer: 10cm (4″) PM Dynamic Speaker (4Ω) Tweeter; 2cm ($^{25}/_{32}$″) Ceramic Speaker (300Ω)
Radio Frequency Range:	FM; 87.5 ~ 108MHz LW; 150 ~ 285kHz (2,060 ~ 1,060m) MW; 520 ~ 1,610kHz (577 ~ 186m)
Intermediate Frequency:	FM; 10.7MHz AM (LW, MW) 455kHz
Sensitivity:	FM; 3μV/50mW output LW; 300μV/m/50mW output MW; 140μV/m/50mW output
Dimensions:	351(W) x 229(H) x 142(D)mm [$13^{7}/_{8}$″(W) x 9″(H) x $5^{5}/_{8}$″(D)]
Weight:	2.4kg (5 lb. 5 oz.) without batteries

Specifications are subject to change without notice.

Panasonic

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

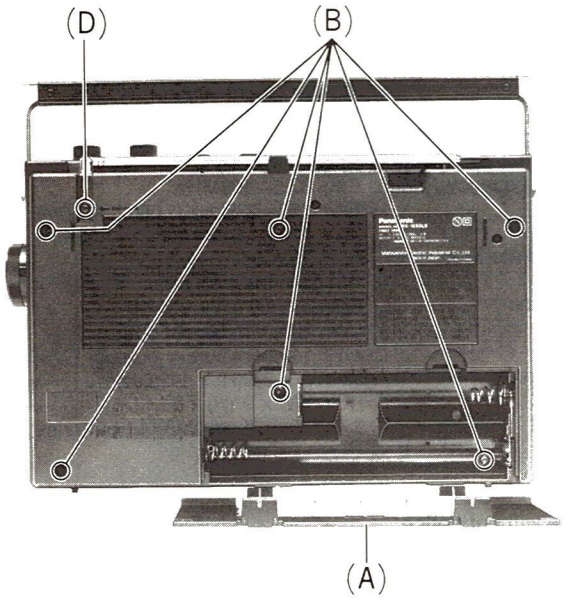
LOCATION OF CONTROLS AND COMPONENTS



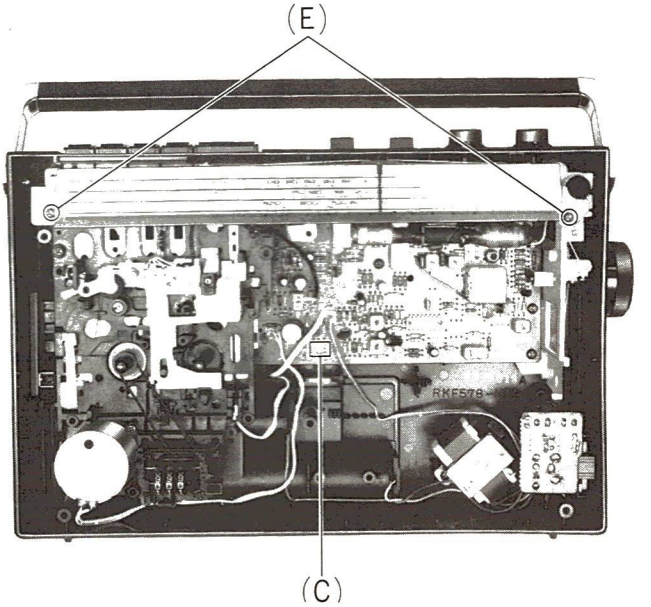
[Fig. 1]

1. Pause/eject button
2. Stop button
3. Fast forward/cue button
4. Rewind/review button
5. Playback button
6. Record button
7. Tape/radio selector
8. Band selector (FM/LW/MW)
9. Tone control
10. Volume control
11. LED Battery check indicator
12. Cassette compartment
13. Tape counter and reset button
14. Built-in microphone
15. Tuning control
16. Tweeter [2cm (25/32″), 300Ω]
17. Woofer [10cm (4″), 4Ω]
18. AC socket
19. Telescopic antenna
20. Battery compartment
21. DIN connector jack
    INPUT; 0.25mV/2.7kΩ
    OUTPUT; Variable
22. External speaker jack (3.2 ~ 8Ω)
23. Beat proof switch

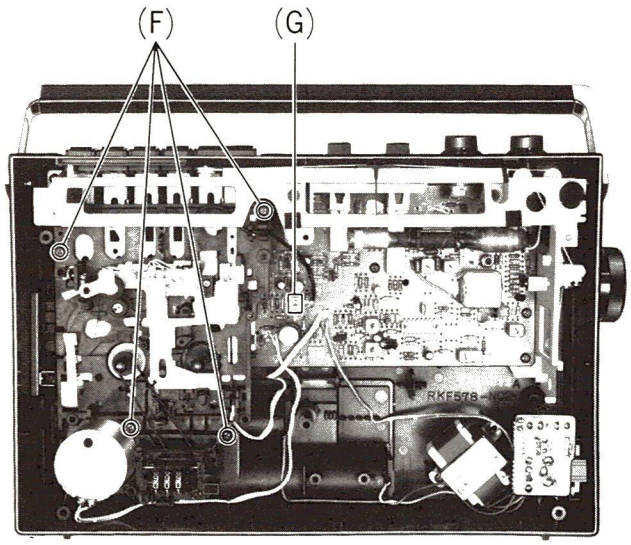
DISASSEMBLY INSTRUCTIONS



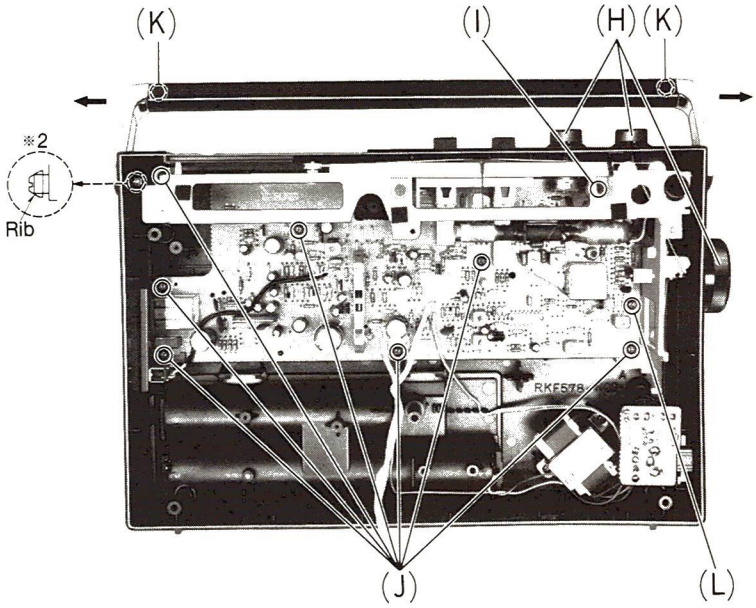
[Fig. 2]



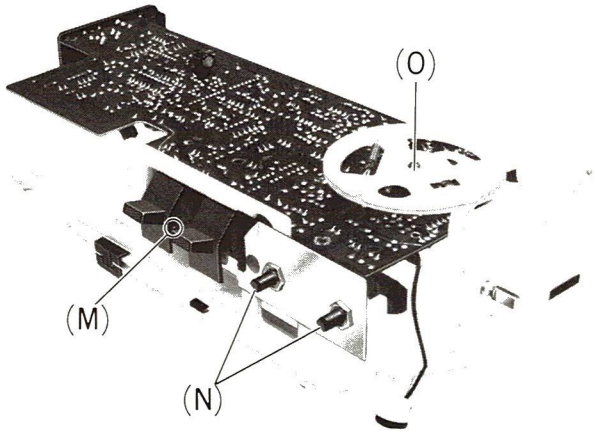
[Fig. 3]



[Fig. 4]

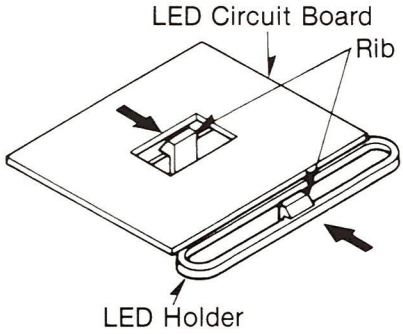


[Fig. 5]



[Fig. 6]

To remove the LED circuit board, push the rib as shown in direction of the arrow in [Fig. 7].



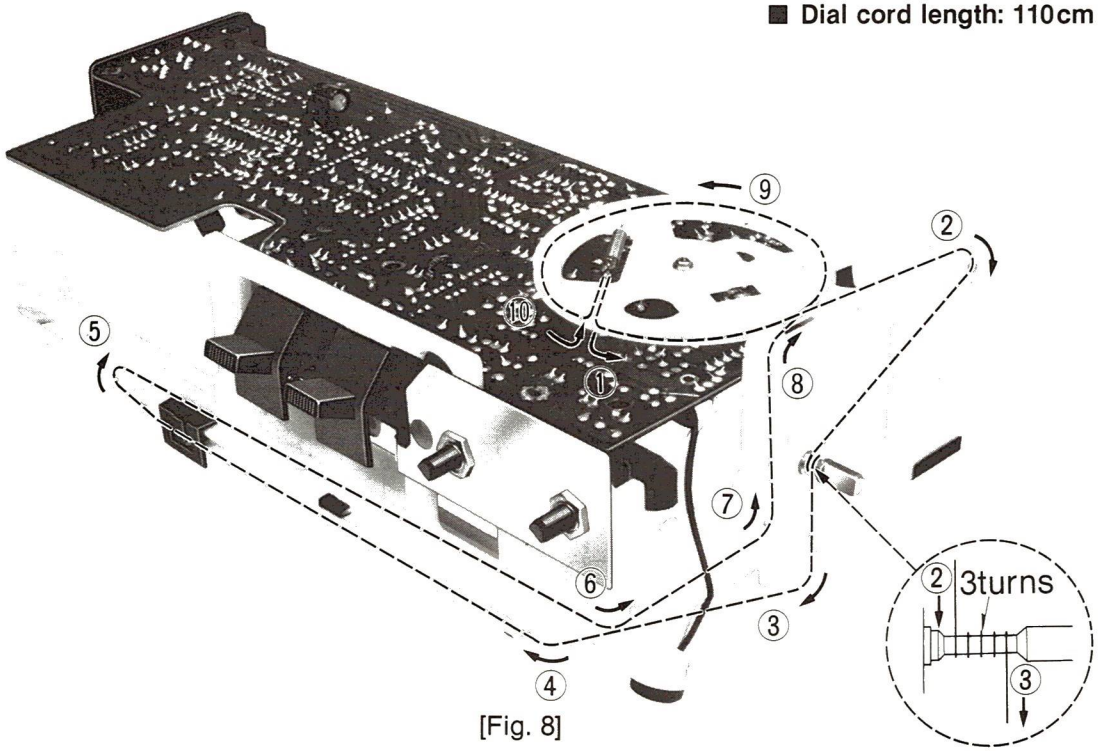
[Fig. 7]

Procedure	To remove —.	Remove —.	Shown in Fig. —.
1	Front Cabinet	Battery cover . . . . . (A) x 1	2 and 3
		Screw 3.5 x 45 . . . . . (B) x 6	
		Speaker conncector . . . . . (C) x 1	
	Telescopic antenna	Screw 3 x 14 . . . . . (D) x 1	2
2	Dial scale	Screw 3 x 10 . . . . . (E) x 2	3
3	Mechanism	Screw 3 x 30 . . . . . (F) x 4	4
		Head connector. . . . . (G) x 1	
4	Main circuit board	Knob . . . . . (H) x 3	5
		Screw 3 x 30 . . . . . (I) x 1	
		Screw 3 x 10. . . . . (J) x 7	
5	Handle ※1, 2	Screw 3 x 8 . . . . . (K) x 2	5
6	Dial chassis	Screw 3 x 10 . . . . . (L) x 1	5 and 6
		Screw 3 x 6. . . . . (M) x 1	
		Nut. . . . . (N) x 2	
		Screw 2.6 x 8. . . . . (O) x 1	

※1. To remove the handle, first remove two screw (K) and open the handle arm as shown in direction of the arrow in [Fig. 5].
※2. To remove the handle arm, cut the rib of handle arm.

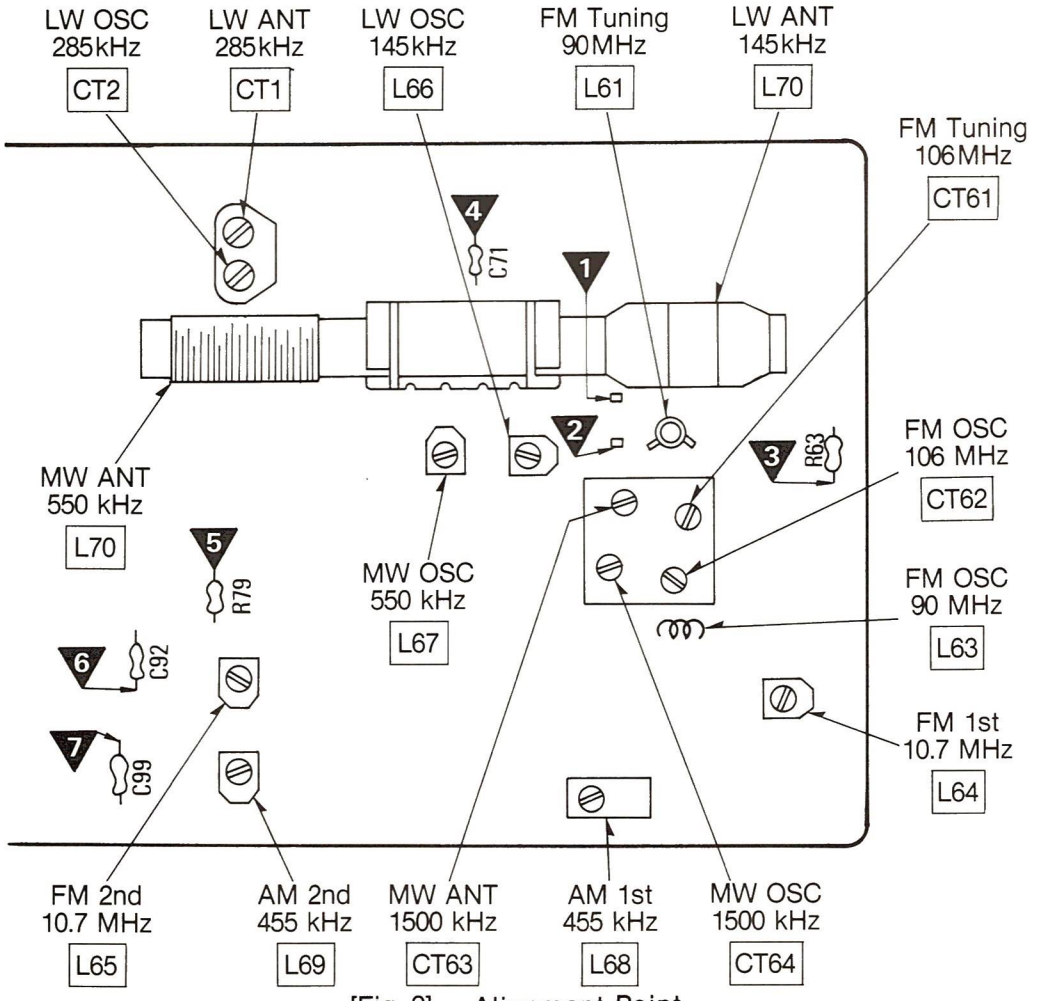
DIAL THREADING

■ Dial cord length: 110cm



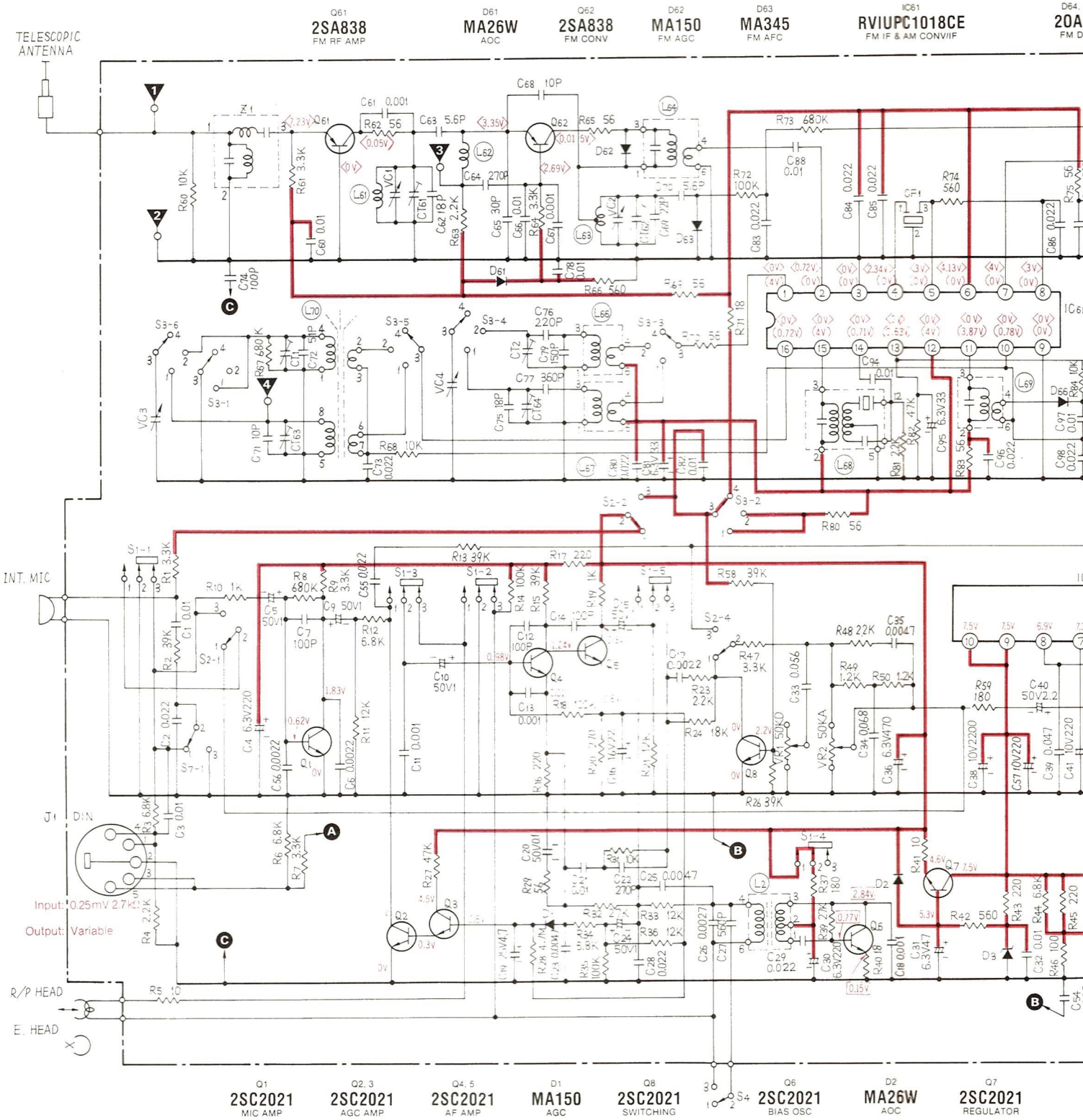
[Fig. 8]

ADJUSTMENT PARTS LOCATION



[Fig. 9] Alignment Point

SCHEMATIC DIAGRAM MODEL R



Notes:

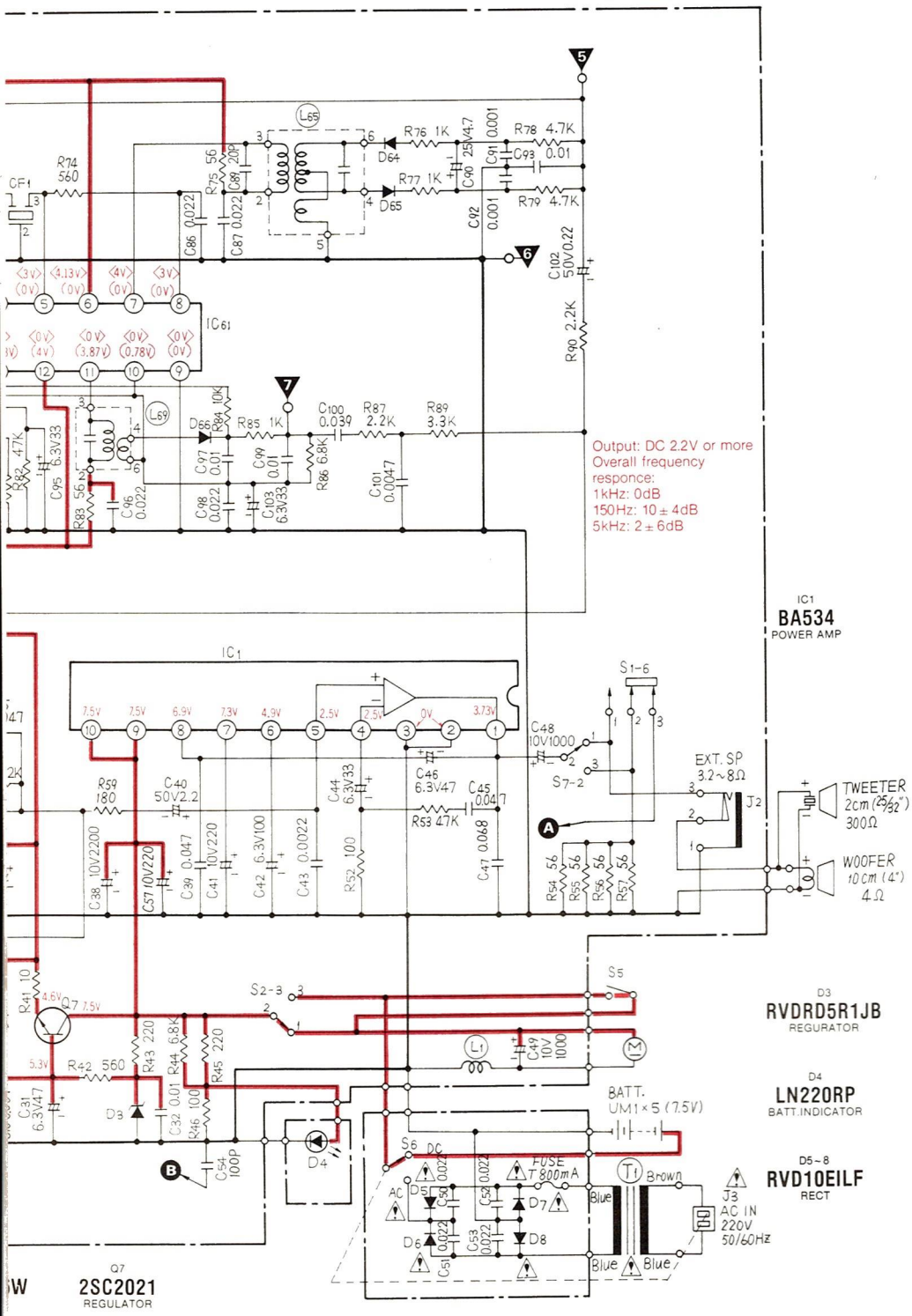
1. S1-1 ~ S1-6 . . . . Record/playback switch in "playback" position.
2. S2-1 ~ S2-4 . . . . Tape/radio selector switch in "Tape" position. (1...Tape, 3...Radio)
3. S3-1 ~ S3-6 . . . . Band selector switch in "FM" position. (1...MW, 2...LW, 4...FM)
4. S4 . . . . . Beat proof switch "I" position (1...I, 3...II)
5. S5 . . . . . Motor ON/OFF switch in "OFF" position.
6. S6 . . . . . AC/DC IN selector switch in "DC IN" position.
7. S7-1 ~ S7-2 . . . . DIN ON/OFF switch in "OFF" position.
8. VR1 . . . . . Tone control.
9. VR2 . . . . . Volume control.
10. The mark (▼) shows test point e.g. ▼ = Test point 1.
11. DC voltage measurement are taken with electronics voltmeter negative terminal of battery.
    < > ...FM position, ( ) ...AM position, ▭ ...Reco position.
12. Battery current: No signal 16
    Maximum (Radio) 34
    Maximum (Tape) 45
13. ⚠ indicates that only parts specified by the manufacturer be u for safety.

M MODEL RX-1550LS

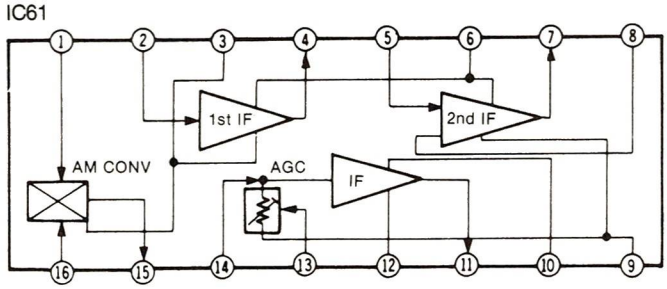
IC61
C1018CE
AM CONV/IF

D64, 65
20A90
FM DET

D66
0A90
AM DET



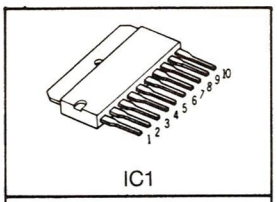
IC61

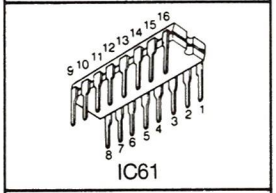


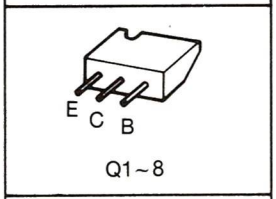
▼ = Test point 1.
with electronics voltmeter from

M position, ▭ ...Record

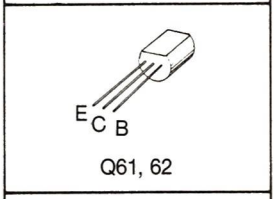
..... 168 mA
..... 340 mA
..... 450 mA
d by the manufacturer be used


IC1

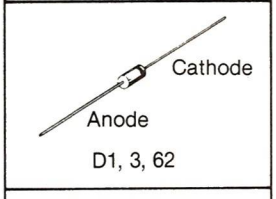

IC61



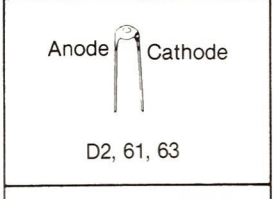
Q1~8



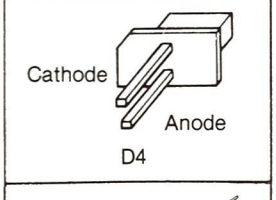
Q61, 62



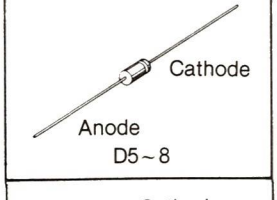
D1, 3, 62



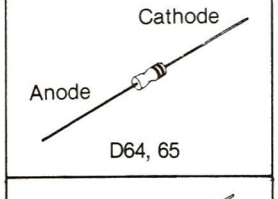
D2, 61, 63



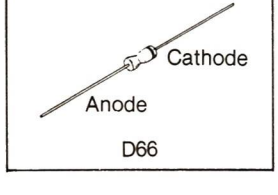
D4



D5~8

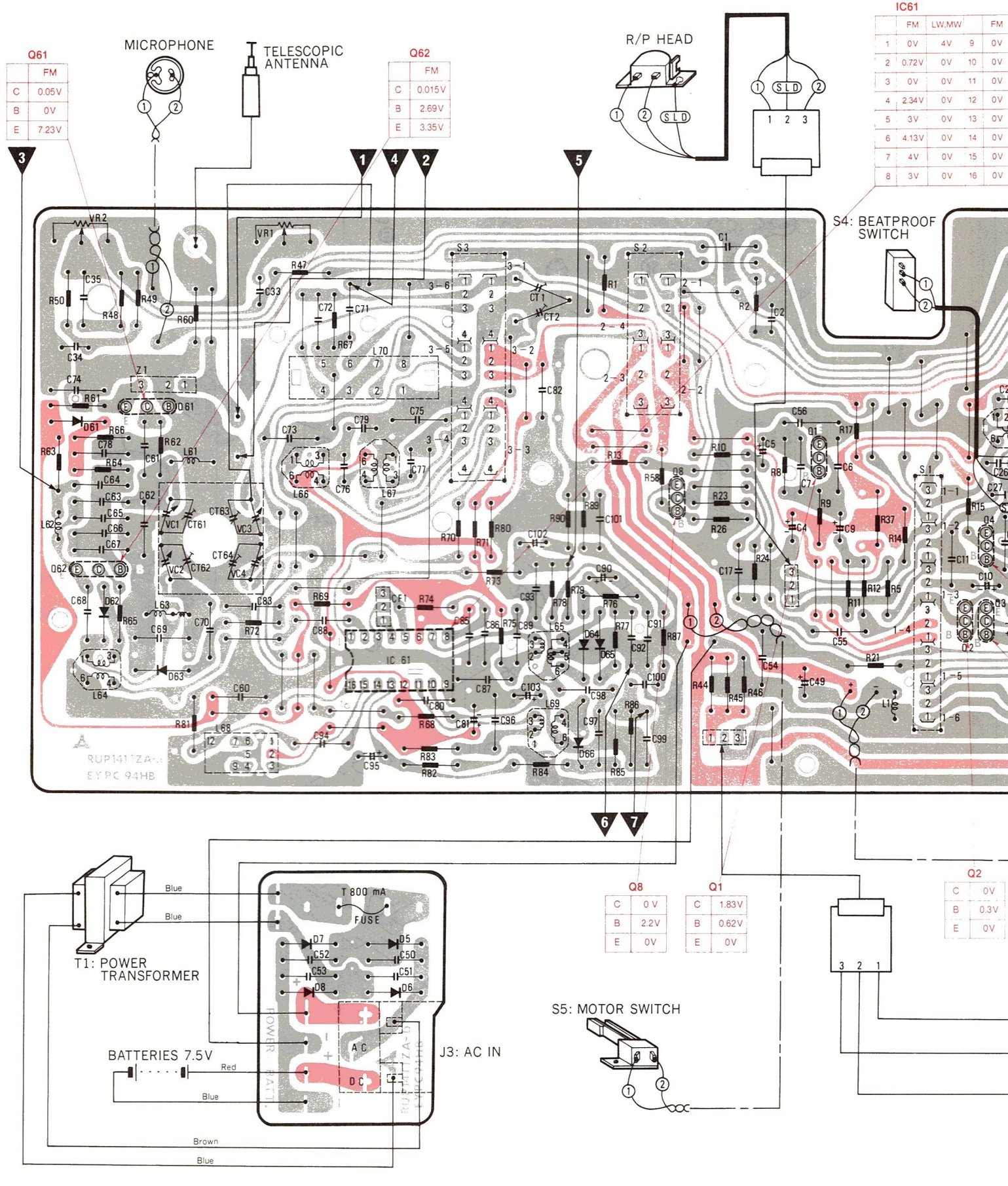


D64, 65



D66

WIRING CONNECTION DIAGRAM



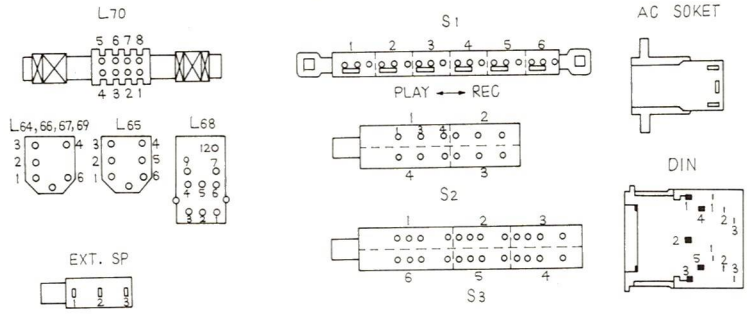
AM MODEL RX-1550LS

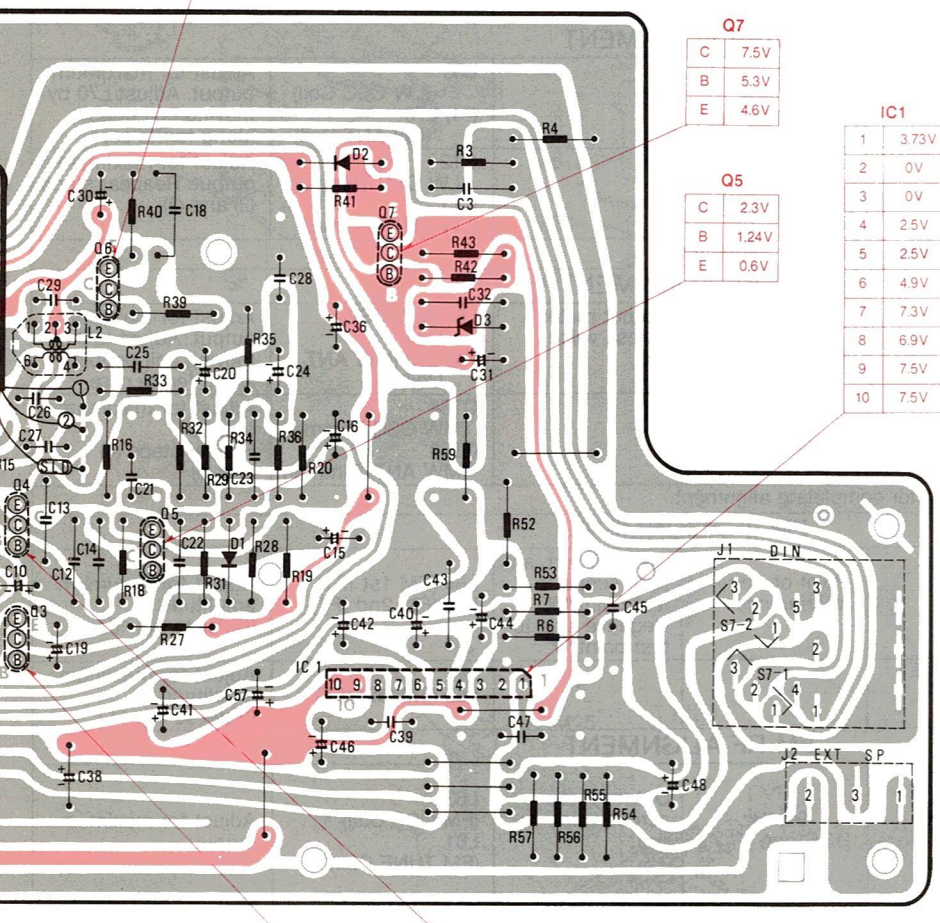
	FM	LW, MW
	0V	0V
	0V	0.78V
	0V	3.87V
	0V	4V
	0V	0.63V
	0V	0.71V
	0V	4V
	0V	0.72V

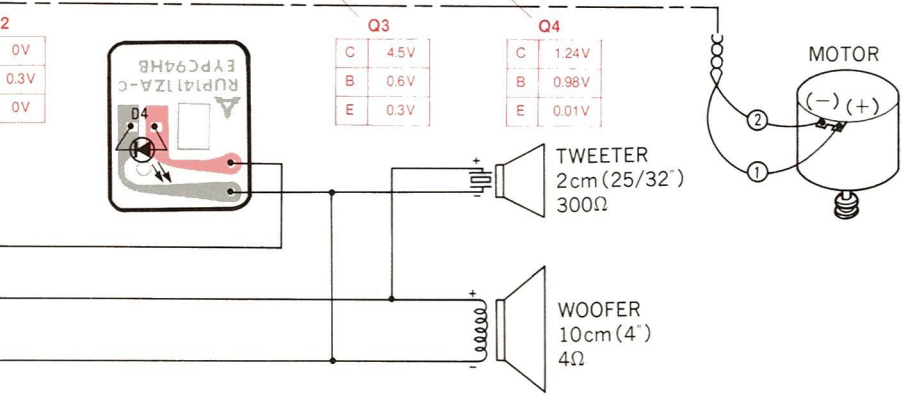
Q6

	REC
C	2.84V
B	0.77V
E	0.15V

BOTTOM VIEW







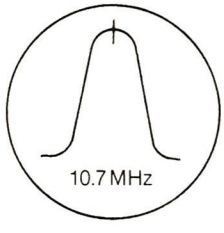
ALIGNMENTS

■ ALIGNMENT INSTRUCTION

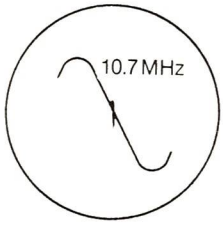
READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Notes;
1. Set volume control to maximum.
2. Set tone control to maximum.
3. Set band selector LW, MW or FM.
4. Set tape/radio selector to radio.
5. Set power source voltage to 7.5V DC.
6. Output of signal generator should be no higher than necessary to obtain an output reading.

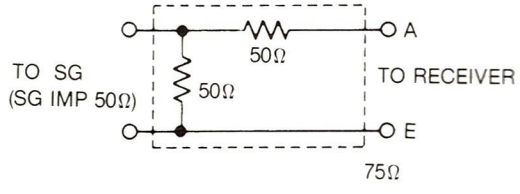
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		AM-IF ALIGNMENT					
(1)	AM	Fashion loop of serveral turns of wire and radiate signal into loop of receiver.	455kHz 30% Mode. at 400Hz	Point of non-interference.	Output meter across voice coil.	L68 (AM 1st IFT) L69 (AM 2nd IFT)	Adjust for maximum output.
		LW-RF ALIGNMENT					
(2)	LW	〃	145 kHz	145kHz [11.91mm ($^{15}/_{32}$″)]	〃	L66 (LW OSC Coil) (*1) L70 (LW ANT Coil)	Adjust for maiximum output. Adjust L70 by moving coil bobbin along ferrite core.
(3)	LW	〃	285kHz	285kHz [99.77mm ($3^{15}/_{16}$″)]	〃	CT2 (LW OSC Trimmer) CT1 (LW ANT Trimmer)	Adjust for maximum output. Reapeat steps (2) and (3).
	(*1) Cement antenna bobbin with wax after completing alignment.						
		MW-RF ALIGNMENT					
(4)	MW	〃	550kHz	550kHz [11.91mm($^{15}/_{32}$″)]	Output meter across voice coil.	L67 (MW OSC Coil) (*2) L70 (MW ANT Coil)	Adjust for maximum output. Adjust L70 by moving coil bobbin along ferrite core.
(5)	MW	〃	1500kHz	1500kHz [99.77mm ($3^{15}/_{16}$″)]	〃	CT64 (MW OSC Trimmer) CT63 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (4) and (5)
	(*2) Cement antenna bobbin with wax after completing alignment.						
		FM-IF ALIGNMENT					
(6)	FM	High side thru, 0.001μF to test point ③. Negative side to test point ②.	10.7MHz	Point of non-interference.	Connect vert. amp. of scope to test point ⑤. Negative side to test point ⑥.	L64 (FM 1st IFT) L65 (FM 2nd IFT)	Adjust for maximum amplitude. (Refer to fig. 10.)
(7)	FM	〃	〃	〃	〃	L65 (FM 2nd IFT)	Adjust for maximum amplitude. (Refer to fig. 11.)
		FM-RF ALIGNMENT					
(8)	FM	Connect to test point ① through FM dummy antenna. Negative side to test point ②. (Refer to fig. 12.)	90MHz	90MHz [13.61mm ($^{17}/_{32}$″)]	Output meter across voice coil.	L63 (FM OSC Coil) L61 (FM TUNE Coil)	Adjust for maximum output.
(9)	FM	〃	106MHz	106MHz [93.56mm ($3^{11}/_{16}$″)]	〃	CT62 (FM OSC Trimmer) CT61 (FM TUNE Trimmer)	Adjust for maximum output. Repeat steps (8) and (9).



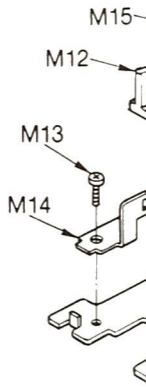
[Fig. 10]



[Fig. 11]



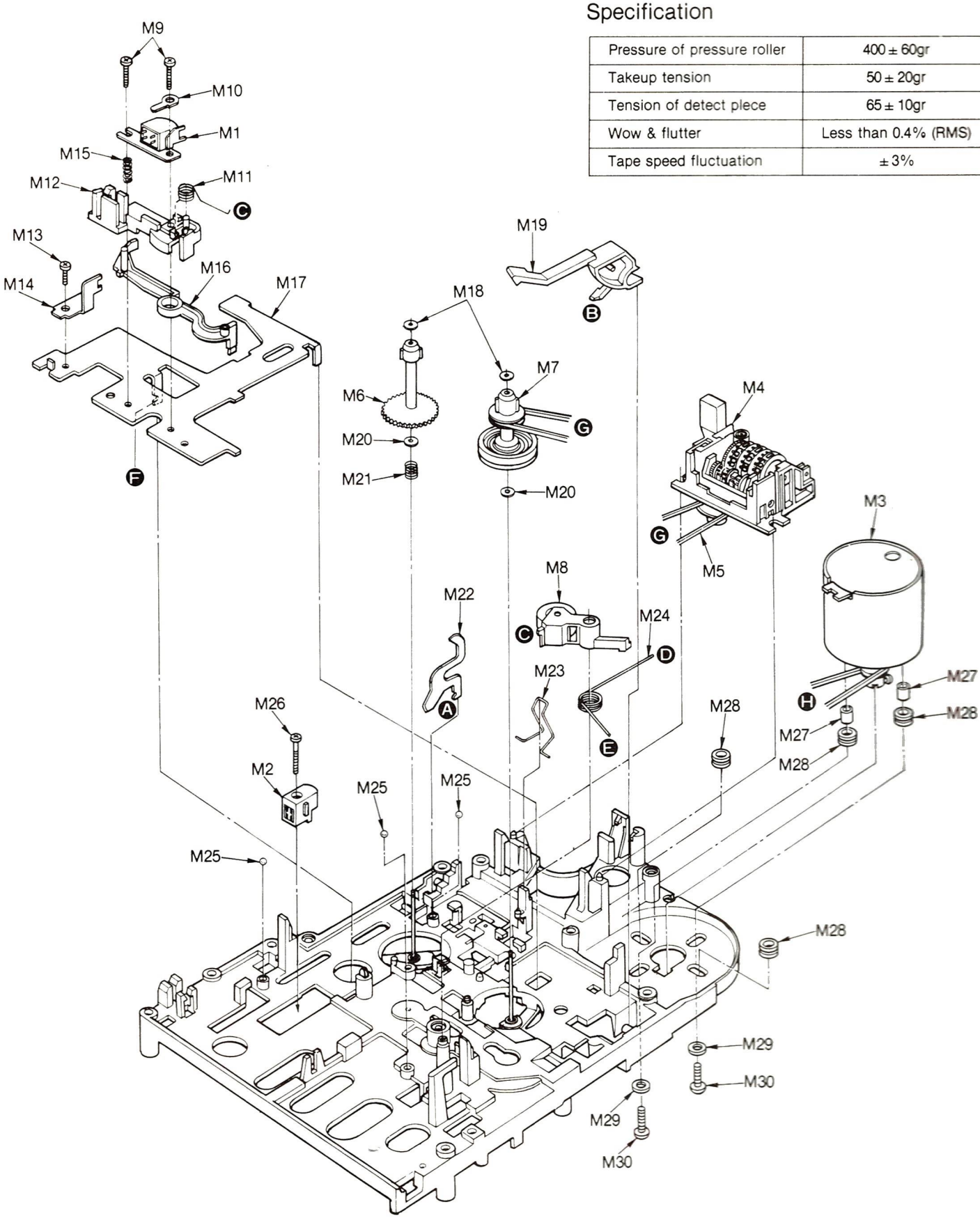
[Fig. 12] FM Dummy Antenna



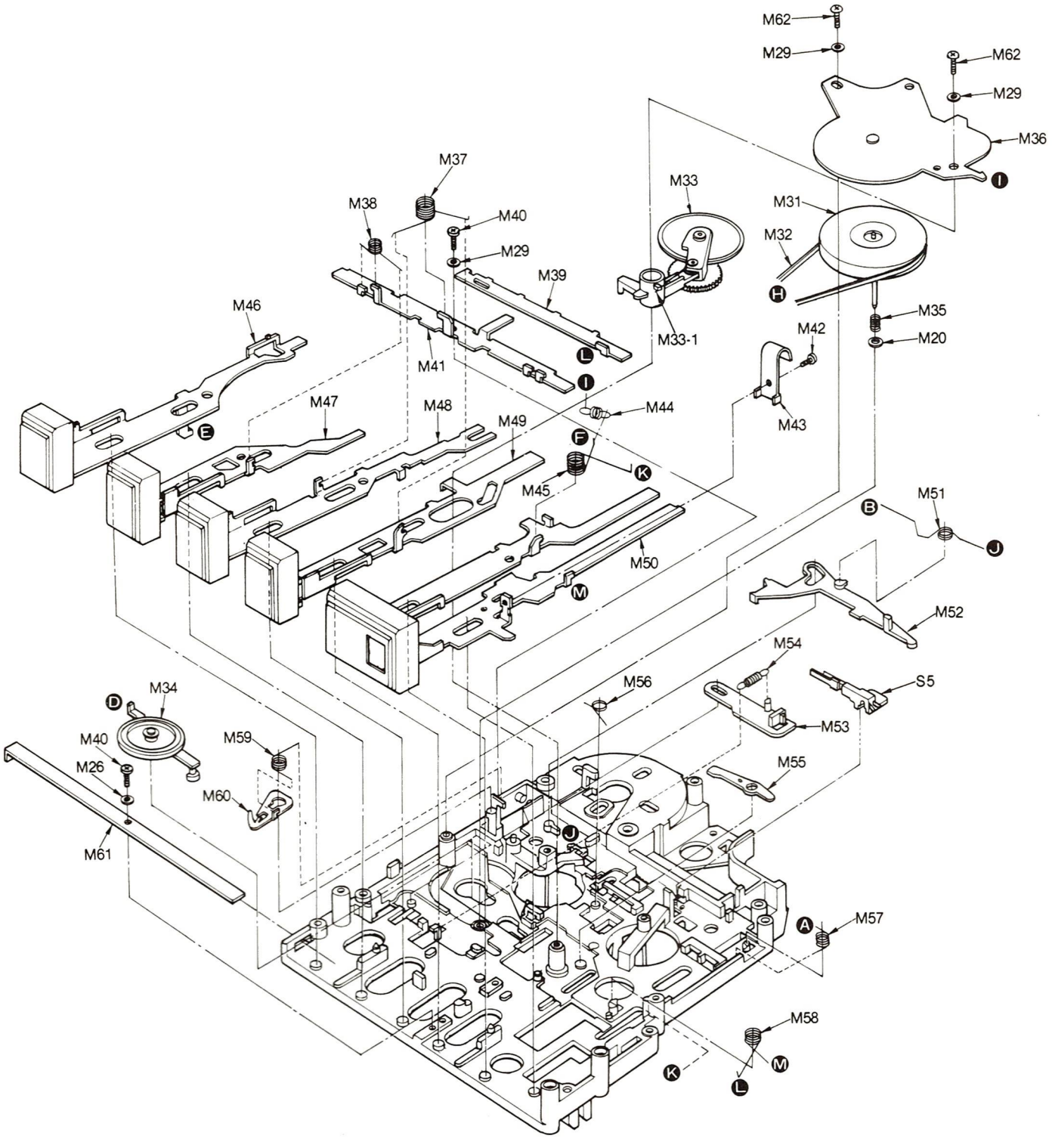
EXPLODED VIEWS

Specification

Pressure of pressure roller	400 ± 60gr
Takeup tension	50 ± 20gr
Tension of detect piece	65 ± 10gr
Wow & flutter	Less than 0.4% (RMS)
Tape speed fluctuation	± 3%



[Fig. 13]


M62
M29
M62
M29
M36
M37
M38
M40
M29
M39
M33
M31
M32
M46
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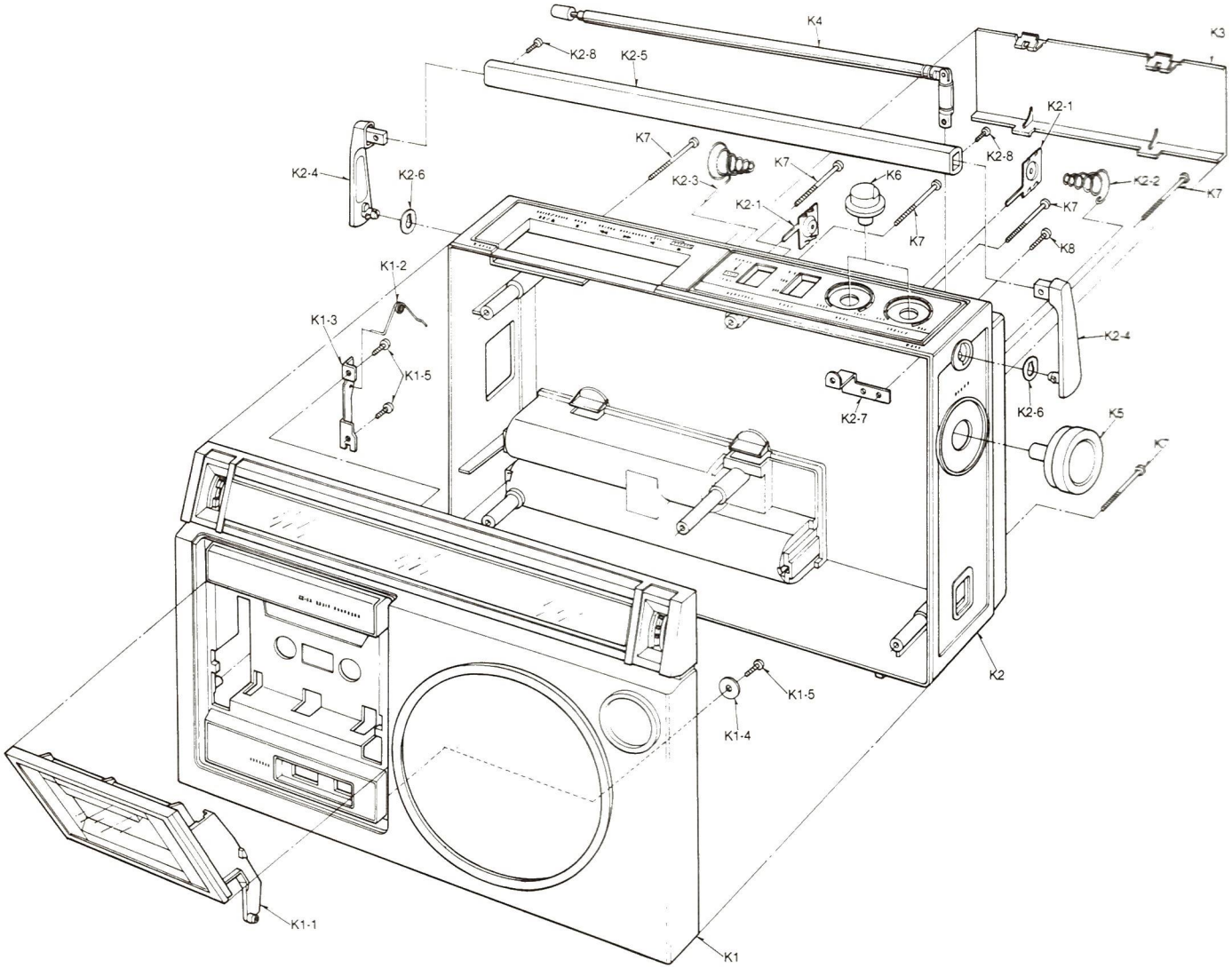
M33-1
M35
M20
M42
M43
M47
M48
M49
M44
M45
M50
M51
M52
M54
M56
S5
M53
M34
M40
M26
M59
M60
M61
M55
M57
M58

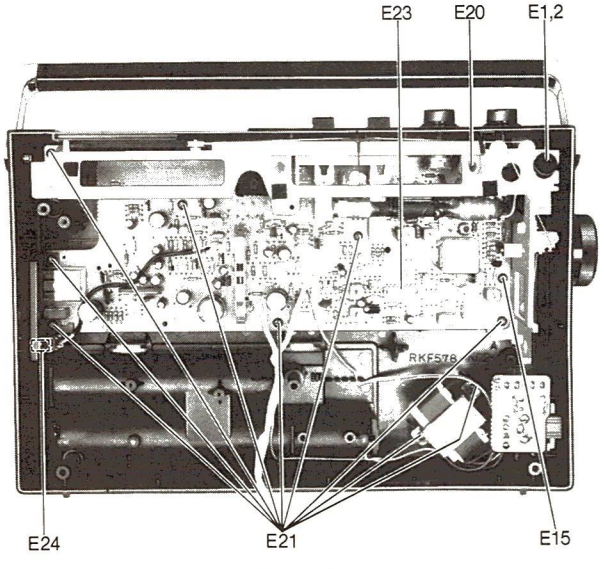
[Fig. 14]

CABINET PARTS

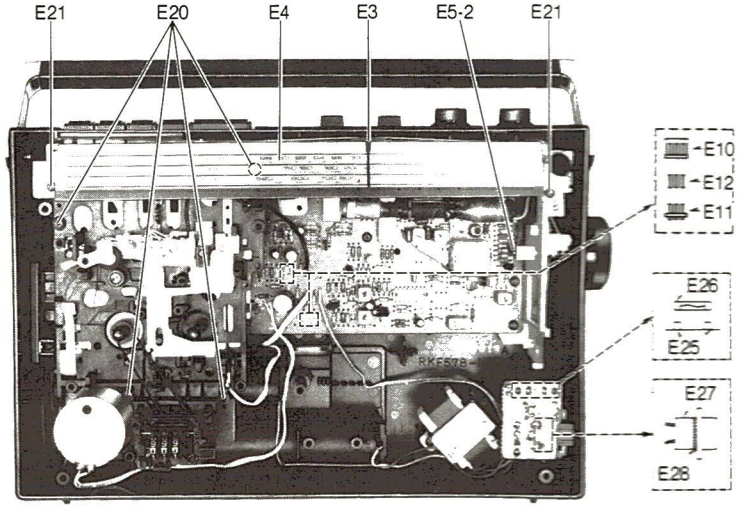


[Fig. 15]

ELECTRICAL PARTS

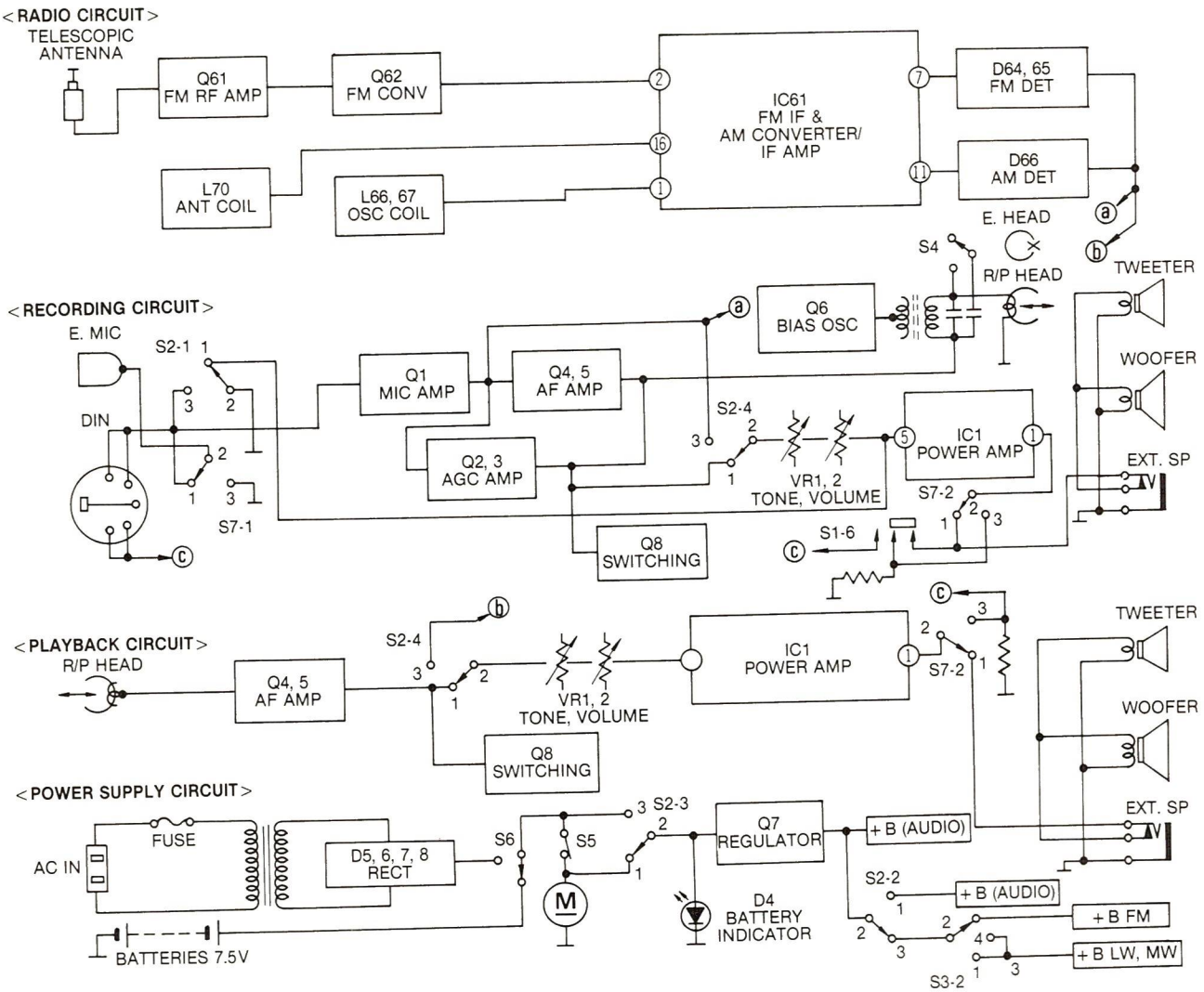


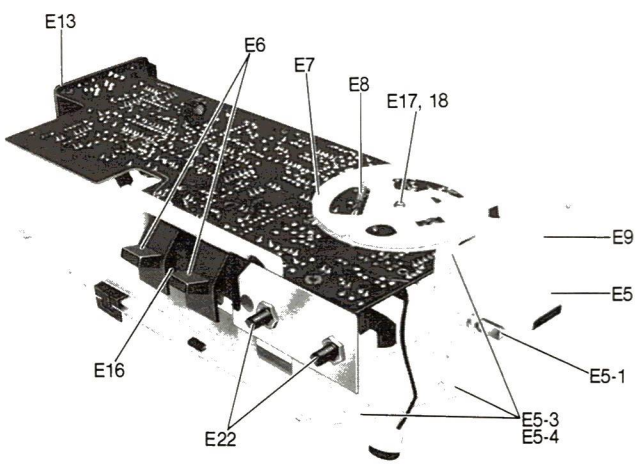
[Fig. 16]



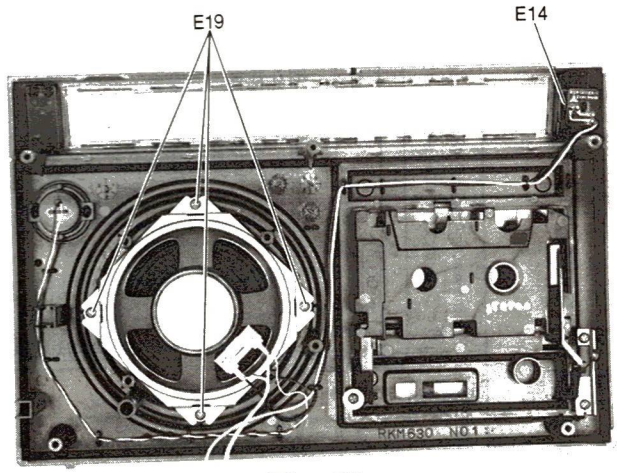
[Fig. 17]

BLOCK DIAGRAM OF ELECTRICAL CIRCUIT





[Fig. 18]



[Fig. 19]

■REPLACEMENT PARTS LIST .....Model RX-1550LS

(RD8011-5150C)

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	QWY0128Z	Head, Record/Playback	1	
M2	QWY2129	Head, Erase	1	
M3	QXU0184	Motor Ass'y	1	
M4	QDC0133	Counter	1	
M5	QDB0169	Belt, Counter	1	
M6	QDR1149	Supply Reel Table Ass'y	1	
M7	QXD0118	Takeup Reel Table Ass'y	1	
M8	QXL1401	Pressure Roller Ass'y	1	
M9	XSN2+10	Screw, + 2x10	2	S
M10	QJT0039	Terminal, Head Earth	1	
M11	QBN1774	Spring, Pressure Roller	1	
M12	QMZ1255	Table, Head	1	
M13	XSN26+3	Screw, + 2.6x3	1	S
M14	QMG0062	Guide, Tape	1	
M15	QBC1298	Spring, Head Adjusting	1	
M16	QML3672	Lever, Auto-Stop Detector	1	
M17	QMK1874	Plate, Head Base	1	
M18	QBW2008	Washer	2	
M19	QML3670	Lever, Cassette-Up	1	
M20	QBJ3224	Washer	3	
M21	QBC1272	Spring, Back Tension	1	
M22	QML3669	Lever, Erase Safety	1	
M23	QBN1775	Spring, Cassette Retainer	1	
M24	QBN1773	Spring, Idler	1	
M25	QDK1012	Ball, Steel	3	
M26	XTN26+14F	Screw, + 2.6x14	1	
M27	QMC0079	Pipe, Motor	2	
M28	QBG1420	Cushion, Motor	4	
M29	XWG26	Washer	6	S
M30	XSN26+8	Screw, + 2.6x8	2	S
M31	QXF0167	Flywheel Ass'y	1	
M32	QDB0267	Belt, Flywheel	1	
M33	QXL1328	Fast Forward Frame Ass'y	1	
M33-1	QBN1710	Spring, Fast Forward Lever	1	
M34	QXL1400	Idler Lever Ass'y	1	
M35	QBC1359	Spring, Flywheel	1	
M36	QXH0318	Flywheel Holding Plate Ass'y	1	
M37	QBN1777	Spring, Fast Forward Rod	1	
M38	QBN1709	Spring, Stop Rod	1	
M39	QMR1783	Rod, Lock	1	
M40	XTN26+8B	Screw, + 2.6x8	2	S
M41	QMF2085	Plate, Rod Holding	1	
M42	XTN26+4B	Screw, 2.6x4	1	S
M43	QBP1780	Spring, Record Retainer	1	
M44	QBT1890	Spring, Base Plate Retainer	1	
M45	QBN1776	Spring, Playback Rod	1	
M46	QXR0659	Eject/Pause Rod Ass'y	1	
M47	QXR0656	Stop Rod Ass'y	1	
M48	QXR0653	Fast Forward/Cue Rod Ass'y	1	
M49	QXR0650	Rewind/Review Rod Ass'y	1	
M50	QXR0741	Playback Rod Ass'y	1	
M51	QBN1701	Spring, Change Lever	1	
M52	QML3531	Lever, Change	1	
M53	QMR1784	Rod, Auto-Stop Detection	1	
M54	QBT1889	Spring, Auto-Stop Detection Rod	1	
M55	QML3668	Lever, Review	1	
M56	QBN1712	Spring, Fast Forward	1	
M57	QBN1783	Spring, Erase Safety	1	
M58	QBN1706	Spring, Record Rod	1	
M59	QBN1705	Spring, Pause Lock Lever	1	
M60	QML3528	Lever, Pause Lock	1	
M61	QMF2131	Plate, Rod Holding	1	
M62	XTN26+10B	Screw, + 2.6x10	2	S
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	BA534	IC	1	
IC61	RVIUPC1018CE	IC	1	
Q1,2,3,4,5,7,8	2SC2021	Transistor (Si)	7	
Q6	2SD636	Transistor (Si)	1	
Q61,62	2SA838	Transistor (Ge)	2	
D1,62	MA161	Diode (Si)	2	S
D2,61	RVDKB265E	Diode (Si)	2	S
D3	RVDRD5R1JB	Zener	1	
D4	LN220RP	LED, Battery Check	1	
D5,6,7,8	SM112	Diode (Si)	4	S
D63	MA345	Diode (Si)	1	
D64,65	2OA90	Diode (Ge)	2	S
D66	OA90	Diode (Ge)	1	S
		COILS AND TRANSFORMERS		
L2	QLB0174	Oscillator Coil, Bias	1	
L61	RLD4N5	Antenna Coil, FM	1	
L63	RLO4Y43	Oscillator Coil, FM	1	
L64	RLI4M101	IFT, FM 1st	1	S
L65	RLI4M509	IFT, FM 2nd	1	
L66	RLO1M4	Oscillator Coil, LW	1	
L67	RLO2M14	Oscillator Coil, MW	1	
L68	RLI7W105	IFT, AM 1st	1	
L69	RLI2M402	IFT, AM 2nd	1	
L70	RLF6W152	Antenna Coil, LW, MW	1	
T1	RLT5J274	Power Transformer	1	⚠
		VARIABLE RESISTORS		
VR1	EVH3JAF15D54	Variable Resistor, 50kΩ (D)	1	
VR2	EVH3JAF15A54	Variable Resistor, 50kΩ (A)	1	
		VARIABLE CAPACITORS		
CT1,2	RCV2T16M	Trimmer Capacitor	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
VC1,2,3,4 CT61,62,63,64	RCV4RC2V1L	Tuning Capacitor	1	
		CERAMIC FILTER		
CF1	SFE107MA5	Ceramic Filter (10.7MHz)	1	
		COMPONENT COMBINATION		
Z1	RXABPMB3	Component Combination (L, C)	1	
		SPEAKERS		
SP1	EAS10P179SC	Speaker, 10cm (4"), 4Ω	1	
SP2	QEQK0161	Speaker Ass'y, 2cm (25/32"), 300Ω	1	
		SWITCHES		
S1	QSS6211	Switch, Record/Playback	1	
S2	QST4312	" Function	1	
S3	QST6312	" Band	1	
S4	QSS1216	" Beat Proof	1	
S5	QSB0170	" Motor	1	
S6	Refer to J3	" AC/DC	(1)	
S7	Refer to J1	" DIN ON/OFF	(1)	
		JACKS		
J1	QJS0799	Jack, DIN	1	
J2	RJJ19Z	" EXT SP	1	
J3	RJJ115Z	" AC IN	1	⚠
		RESISTORS (Value is in OHMS)		
R5,41	ERD25FJ100	10 1/4W Carbon	2	S
R40,71	ERD25FJ180	18 " "	2	S
R29,54,55,56,57,62, 65,69,70,75,80,83	ERD25FJ560	56 " "	12	S
R46,52	ERD25FJ101	100 " "	2	S
R37,59	ERD25FJ181	180 " "	2	S
R16,17,43,45	ERD25FJ221	220 " "	4	S
R20	ERD25FJ271	270 " "	1	S
R42,66,74	ERD25FJ561	560 " "	3	S
R10,19,76,77,85	ERD25FJ102	1 k " "	5	S
R4,23,48,63, 81,87,89,90	ERD25FJ222	2.2 k " "	8	S
R1,7,9,47,61,64	ERD25FJ332	3.3 k " "	6	S
R78,79	ERD25FJ472	4.7 k " "	2	S
R3,6,12,34,44,86	ERD25FJ682	6.8 k " "	6	S
R31,60,68,84	ERD25FJ103	10 k " "	4	S
R11,21,33,36,49,50	ERD25FJ123	12 k " "	6	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R24	ERD25FJ183	18 k 1/4W Carbon	1	S
R32,39	ERD25FJ273	27 k " "	2	S
R2,13,15,26,58	ERD25FJ393	39 k " "	5	S
R27,53,82	ERD25FJ473	47 k " "	3	S
R14,18,35,72	ERD25TJ104	100 k " "	4	S
R8,67,73	ERD25TJ684	680 k " "	3	S
R28	ERD25TJ475	4.7 M " "	1	S
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C27	ECKD1H561KB	560 P 50V Ceramic	1	
C63,70	ECBT1H5R6KY	5.6 P " Ceramic(Cylinder)	2	
C68,71	ECBT1H100JY	10 P " "	2	
C62,75	ECBT1H180JY	18 P " "	2	
C89	ECBT1H200JY	20 P " "	1	
C69	ECBT1H220JY	22 P " "	1	
C65	ECBT1H300JY	30 P " "	1	
C72	ECBT1H560JY	56 P " "	1	
C7,12,14,54,74	ECBT1H101JY	100 P " "	5	
C22,64	ECBT1H271KB	270 P " "	2	
C11,13,18,61, 67,91,92	ECBT1H102MD	0.001 " "	7	
C6,17,43,56	ECBT1H222MK	0.0022 " "	4	
C23,25,35,101	ECBT1H472MX	0.0047 " "	4	
C1,3,21,32,34,60,66, 78,82,88,93,94,97,99	ECBT1E103NX	0.01 25V "	14	
C2,28,50,51,52,53, 55,73,80,83,85, 86,87,96,98	ECBT1C223NY	0.022 16V "	15	
C79	ECQS1151JZ	150 P 100V Styrol	1	
C76	ECQS1221JZ	220 P " "	1	
C77	ECQS1361JZ	360 P " "	1	
C26	ECQS05272MZ	0.0027 50V "	1	
C29	ECFVD223MX	0.022 25V Semi-Conductor	1	
C100	ECFVD393MX	0.039 " "	1	
C39,45,58	ECFVD473MX	0.047 " "	3	
C33	ECFVD563MX	0.056 " "	1	
C34,47	ECFVD683MX	0.068 " "	2	
C20	ECEA50ZR1	0.1 50V Electrolytic	1	S
C102	ECEA50ZR22	0.22 " "	1	S
C5,9,10,15,24	ECEA50Z1	1 " "	5	S
C40	ECEA50Z2R2	2.2 " "	1	S
C19,90	ECEA25Z4R7	4.7 25V "	2	S
C16	ECEA1HS100	10 50V "	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C44,81,95,103				
	ECEA1CS330	33 16V Electrolytic	4	S
C31,46	ECEA1AS470	47 10V "	2	S
C42	ECEA1AS101	100 " "	1	S
C4,30,41,57				
	ECEA1AS221	220 " "	4	S
C26	ECEA0JS471	470 6V "	1	S
C48,49	ECEA1AS102	1000 10V "	2	S
C38	ECEA1CS222	2200 16V "	1	S
		CABINET PARTS		
K1	RYMX1550LSX8	Front Cabinet Ass'y	1	
K1-1	RYQX1550N1	Cassette Lid Ass'y	1	
K1-2	QBN7001	Spring, Cassette Lid	1	
K1-3	QMAK0088	Angle, Spring	1	
K1-4	XWE3E13BW	Washer	1	S
K1-5	XTV3+8G	Screw, + 3x8	3	
K2	RYFX1550LSXG	Rear Cabinet Ass'y	1	
K2-1	RJC205B	Terminal, Battery +	2	
K2-2	QBN8009	Terminal (A), Battery -	1	
K2-3	RJC508Z	Terminal (B), Battery -	1	
K2-4	RKX200Z	Arm, Handle	2	
K2-5	RKX201Z	Handle	1	
K2-6	RKX165Z	Spacer, Handle	2	
K2-7	RJT712Z	Terminal, Antenna	1	
K2-8	XTN3+8FGZ	Screw, + 3x8	2	
K3	RYNX1550X	Battery Cover Ass'y	1	
K4	XEAQCR228EBY	Telescopic Antenna	1	
K5	RBN516X	Knob, Tuning	1	
K6	RBN540Z	Knob, Volume, Tone	2	
K7	XTN35+45G	Screw, + 3.5x45	6	
K8	XSN3+14FZS	Screw, + 3x14	1	
		ELECTRICAL PARTS		
E1	WM034Z	Built-in Microphone	1	
E2	QBG1616	Cover, Microphone	1	
E3	RDP814Z1	Pointer	1	
E4	RKD564U	Scale, Dial	1	
E5	RZAX1550X	Dial Chassis Ass'y	1	
E5-1	QMN8013	Shaft, Tuning	1	
E5-2	XUC3FT	Circlip	1	S
E5-3	QMN8001	Shaft, Roller	3	
E5-4	QDP1678	Roller	3	
E6	RBS156Z	Knob, Lever Switch	2	
E7	QTQ0032	Drum, Dial	1	
E8	QBT1320	Spring, Dial	1	
E9	RDZ05A	Cord, Dial (110cm)	1 ROLL	
E10	QJS1921TN	Plug, 3P	2	
E11	QJP1921TN	Socket, 3P	2	
E12	QJT1054	Contact	6	
E13	RKE375Z	Jack Board	1	
E14	RHR1122Z	Holder, LED	1	
E15	XTV3+8G	Screw, + 3x8	1	
E16	XSN3+6	Screw, + 3x6	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E17	XWG26	Washer	1	S
E18	XSN26+8	Screw, + 2.6x8	1	S
E19	XTW3+6Q	Screw, + 3x6	4	
E20	XTN3+30GR	Screw, + 3x30	4	
E21	XTV3+10GR	Screw, + 3x10	11	
E22	QNQ1004	Nut	2	
E23	RMC171Y	Shield Plate, IC	1	
E24	XSS2+5FZ	Screw, + 2x5	2	
E25	QTF1054	Holder, Fuse	2	⚠
E26	XBAQ080030	Fuse, T800mA	1	⚠
E27	RUV482Z	Cover, AC Socket	1	⚠
E28	RMK138Z	Angle, AC Jack	1	
		ACCESSORY		
A1	RJA20Z	Power Cord, AC	1	⚠
		PACKING MATERIALS		
P1	RPK1016Z	Gift Box	1	
P2	RPN9341Z	Pad Complete (L, R Side)	1	
P3	XZB36X53A02	Poly Bag	1	
		PRINTED MATERIAL		
Y1	RQX6631Z	Instruction Book	1	

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