

Service Manual

National
RADIO
Panasonic



FM-MW-SW 3-BAND PORTABLE RADIO

MODEL RF-888JB

■ SPECIFICATIONS

Frequency Range:	FM 87.5~108 MHz	Power Consumption:	5W (AC Only)
	MW 520~1610 kHz (577~186m)	Speaker:	16 cm(6½") PM Dynamic Speaker
	SW 5.9~18 MHz (50.8~16.7m)	Dimensions:	228(Wide) × 192(High) × 73(Deep) mm (8¾" × 7⅞" × 2⅞")
Intermediate Frequency:	FM 10.7 MHz	Weight:	2 kg. (4 lb. 6.5 oz.) without bat- teries
	AM (MW & SW) 455 kHz	Impedance:	Speaker8Ω
Sensitivity:	FM 2μV for 50 mW Output		Earphone Jack8Ω
	MW 20μV/m for 50 mW Output		DIN Jack80kΩ
	SW 3μV for 50 mW Output		Mix Recording Out Jack6kΩ
Power Output:	3.3W Maximum		Microphone Jack1kΩ
Power Source:	AC 110~125V/220~240V 50-60 Hz or 6V (Four "D" Size Flashlight Batteries) (National UM-1 or equivalent)		

MATSUSHITA ELECTRIC
MATSUSHITA ELECTRIC TRADING CO., LTD.
P. O. Box 288, Central Osaka, Japan



■ TO REMOVE CABINET COVER

1. Remove the MIC mixing knob from cabinet.
(Attach cord to the knob and pull it out forward as illustrated in fig. 1)
2. Remove four (4) cover screw, nos. 1~4, as illustrated in fig. 2.
3. Remove cabinet back cover.
4. Remove cabinet front cover in the direction of arrow ② by pushing the cabinet in the direction of arrow ①, as illustrated in fig. 3.
5. Unsolder lead wires to speaker terminal.
6. To reassemble, reverse the above procedure.

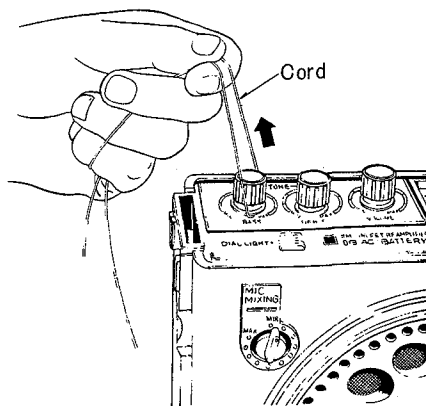


Fig. 1

■ TO REMOVE CORE ANTENNA

1. Remove the cabinet cover. (Refer to cabinet cover removal instruction.)
2. Unsolder lead wires to chassis, nos. 1~4, as illustrated in fig. 7.
3. Remove the core antenna in the direction of arrow as illustrated in fig. 7.
4. To reassemble, reverse the above procedure.

■ TO REMOVE DIAL DRIVE ASSEMBLY

1. Remove Mic mixing and tuning knobs.
2. Remove cabinet front cover. (Refer to cabinet cover removal instruction.)
3. Remove three (3) red screws, nos. 1~3, as illustrated in fig. 4.
4. To reassemble, reverse the above procedure and read the following note.

Note

Turn dial drum and tuning shaft to fully counter-clockwise.

■ DIAL CORD INSTALLATION GUIDE

1. Remove dial drive assembly from cabinet.
(Refer to dial drive assembly removal instruction.)
2. Dial cord length is 100 cm (39 $\frac{3}{8}$ "').
3. Loosen roller No. 2 installation screw which is illustrated in fig. 5.
4. Turn dial drum fully counter-clockwise and then lock dial drum by awl, illustrated in fig. 5.
5. Arrows (1~15) indicate correct order and direction of dial cord installation, as illustrated in fig. 6.
6. Cement dial cord ends.
7. Pull out, in the direction of the arrow, the end of the spring, which is in roller No. 1 and is illustrated in fig. 5, to remove the spring end from the catch on the end of the roller.
8. Insert a screwdriver into roller No. 1, illustrated in fig. 5, wind the dial scale film on roller No. 1, and attach the end of dial scale film to the boss in roller No. 2.
9. Push in the spring, illustrated in fig. 5, attaching it to the catch on the end of the roller (after winding the dial scale film until it stops, the spring end should be pushed in and hooked on the nearest catch).
10. Wind the dial scale film onto roller No. 2, illustrated in fig. 5, and set it at the start point, as illustrated in fig. 8.
11. Secure roller No. 2, and tighten roller No. 2 installation screw, illustrated in fig. 5.
12. Attach the dial drive portion to the cabinet (Refer to the dial drive removal instructions.)
13. Positively restrain roller No. 2, illustrated in fig. 5, using a screwdriver, and loosen roller No. 2 installation screw. Adjust roller No. 2 and set the dial scale film to the location illustrated in fig. 9.

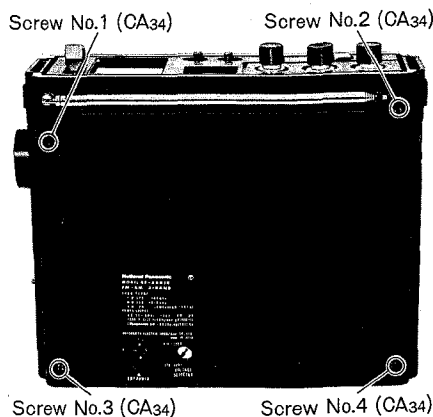


Fig. 2



Fig. 3

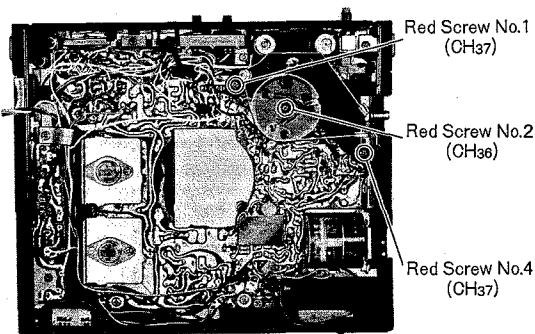


Fig. 4

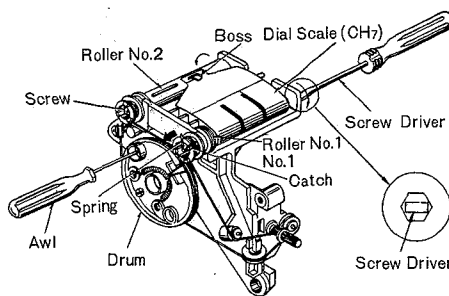


Fig. 5

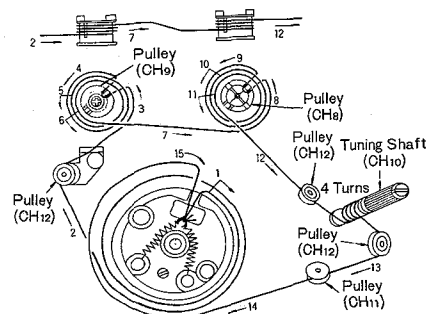


Fig. 6

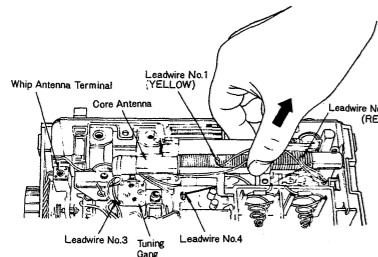


Fig. 7

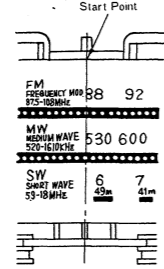


Fig. 8

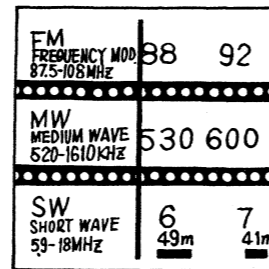
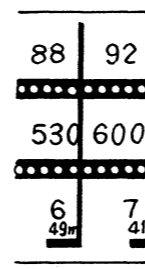
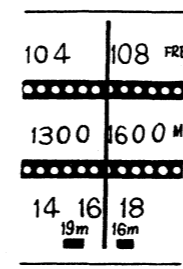


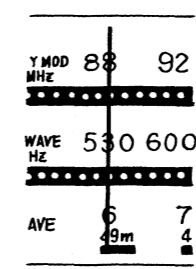
Fig. 9



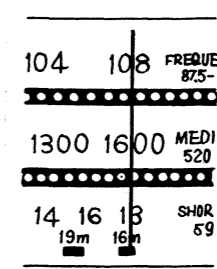
550 kHz
Fig. 10



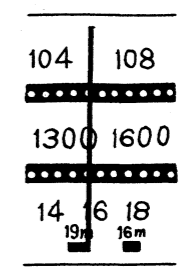
1500 kHz
Fig. 11



6 MHz
Fig. 12



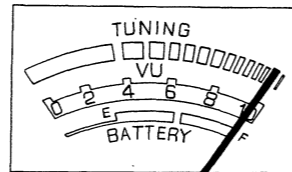
18 MHz
Fig. 13



106 MHz
Fig. 14

TUNING/BATTERY/REC LEVEL METER ADJUSTMENT

- RADIO RECEIVER SETTING
 - Set PHONO-RADIO selector switch to RADIO.
 - Set band selector switch to MW.
 - Set volume control to minimum.
- REMARKS
 - Set indicator switch to TUNE.
 - Adjust R₅₄ so that the pointer of level meter stays as shown in figure right.



ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

- Notes:**
- Set volume control to MAX.
 - Set bass and treble control to MAX.
 - Set band selector switch to MW, SW or FM.
 - Set MIC mixing volume control to MIN.
 - Set loudness switch to OFF.
 - Set power switch to ON.
 - Set power source voltage to 6 volts DC.
 - Set PHONO-RADIO selector switch to RADIO.
 - Set AFC/DX-LOCAL switch to ON/DX.

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING (DISTANCE)	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
MW ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 kHz.	Point of non-interference. (on/about 600 kHz)	T ₂ (1st IFT) T ₄ (2nd IFT)	Adjust for maximum output.
(2)	"	550 kHz	550 kHz (Fig. 10)	L ₇ (OSC Coil) (* 1) L ₄ (ANT Coil)	Adjust for maximum output. Adjust L ₄ by moving coil bobbin along ferrite core.
(3)	"	1500 kHz	1500 kHz (Fig. 11)	C ₄₃ (OSC Trimmer) C ₁ (ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
SW ALIGNMENT					
(4)	Connect to whip antenna terminal through 10PF capacitor. Common to chassis.	6 MHz	6 MHz (Fig. 12)	L ₈ (OSC Coil) L ₅ (ANT Coil)	Adjust for maximum output.
(5)	"	18 MHz	18 MHz (Fig. 13)	C ₄₇ (OSC Trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
(* 1) Cement antenna bobbin with wax after completing alignment.					
FM-IF ALIGNMENT					
(6)	High side thru. 0.001 mfd to point TP ₂ . Common to chassis.	10.7 MHz (400 kHz SWP.)	Point of non-interference. (on/about 90 MHz).	T ₁ (FM 1st IFT) T ₃ (FM 2nd IFT) T ₅ (FM 3rd IFT) T ₆ (FM 4th IFT) (Primary)	Adjust for maximum amplitude and proper linearity between ± 100 kHz markers. (Refer to fig. 16.)
(7)	"	"	"	T ₇ (FM 4th IFT) (Secondary)	Adjust T ₇ so that 10.7 MHz marker appears at the center. (Refer to fig. 17.)
FM-RF ALIGNMENT					
(8)	Connect to whip antenna terminal through FM Dummy antenna. (Refer to Fig. 18.)	87.2 MHz	Minimum Frequency.	L ₆ (FM OSC Coil)	(* 2) Adjust for maximum output.
(9)	"	90 MHz	Tune to signal	L ₂ (FM DET Coil)	(* 2) Adjust for maximum output.
(10)	"	106 MHz	106 MHz (Fig. 14)	C ₄₀ (FM OSC Trimmer) C ₈ (FM DET Trimmer)	(* 2) Adjust for maximum output. Repeat steps (8) ~ (10).

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

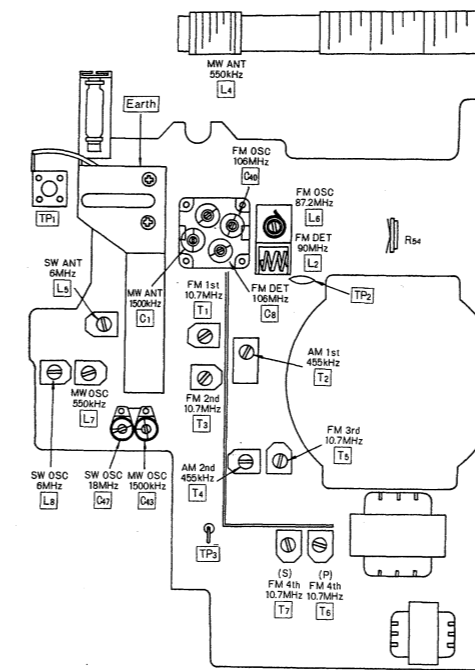


Fig. 15

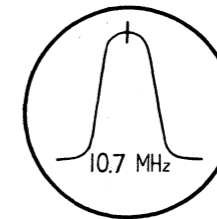


Fig. 16

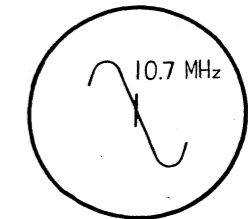


Fig. 17

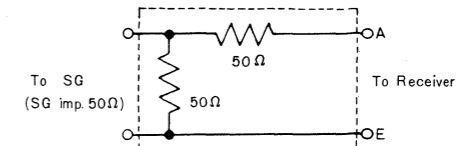
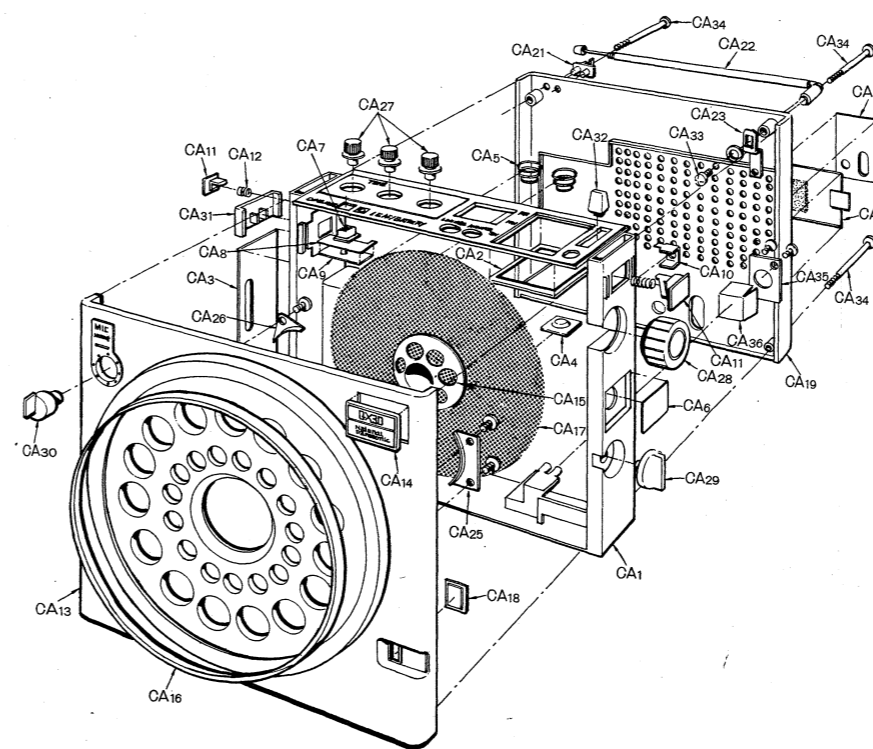
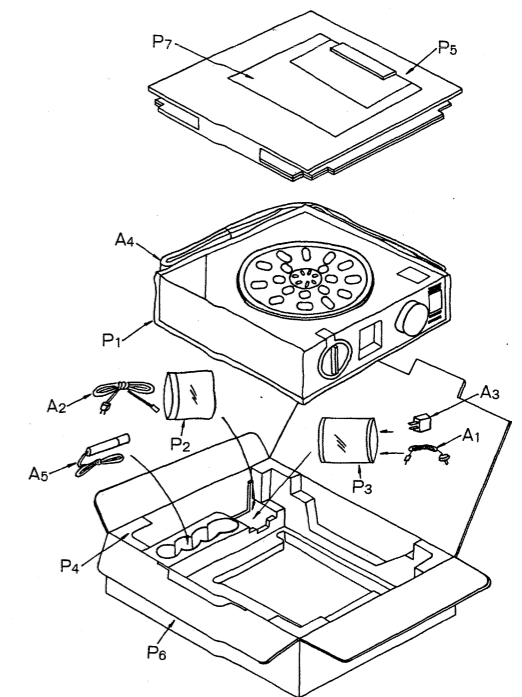


Fig. 18 FM Dummy Antenna

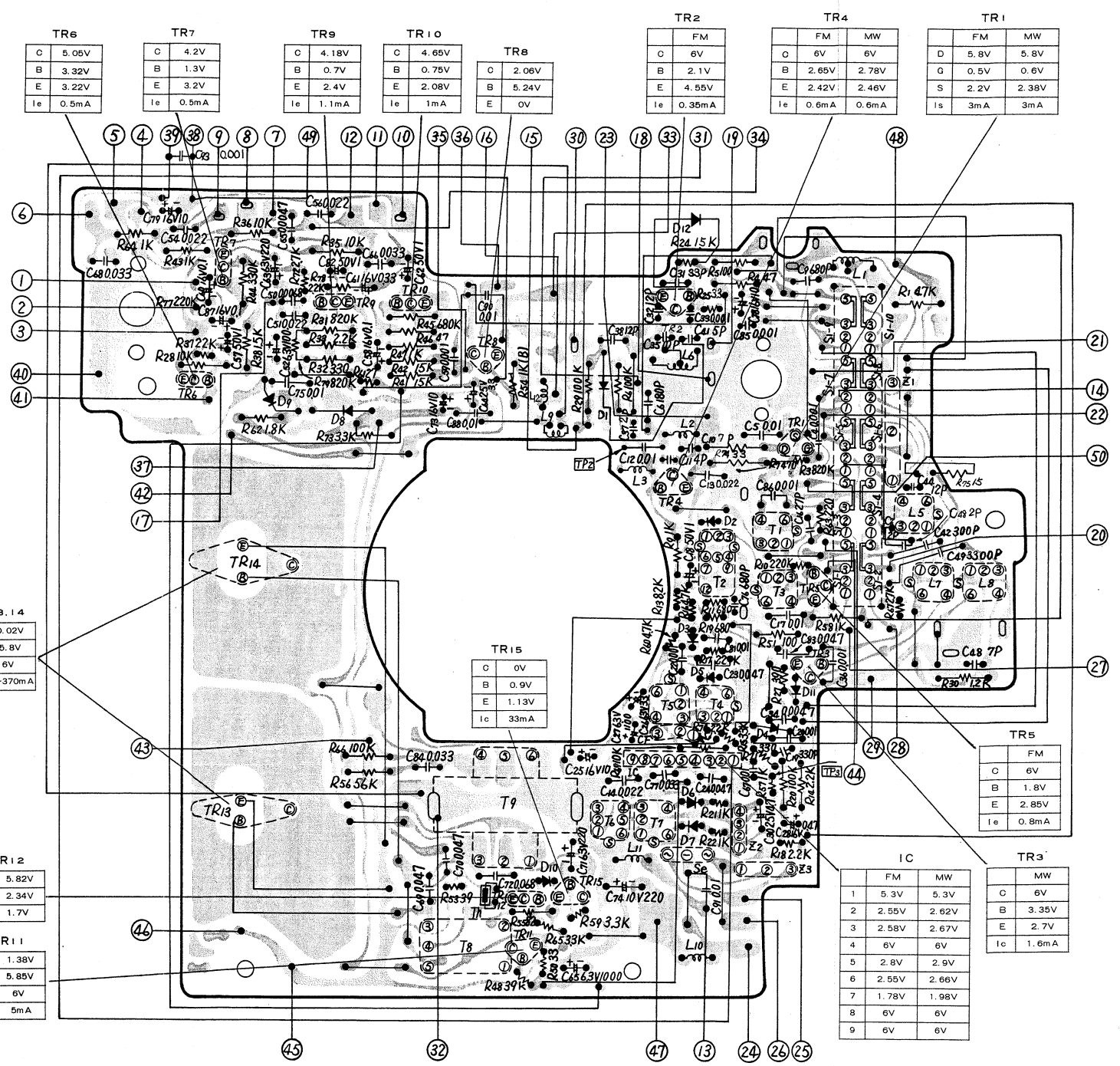
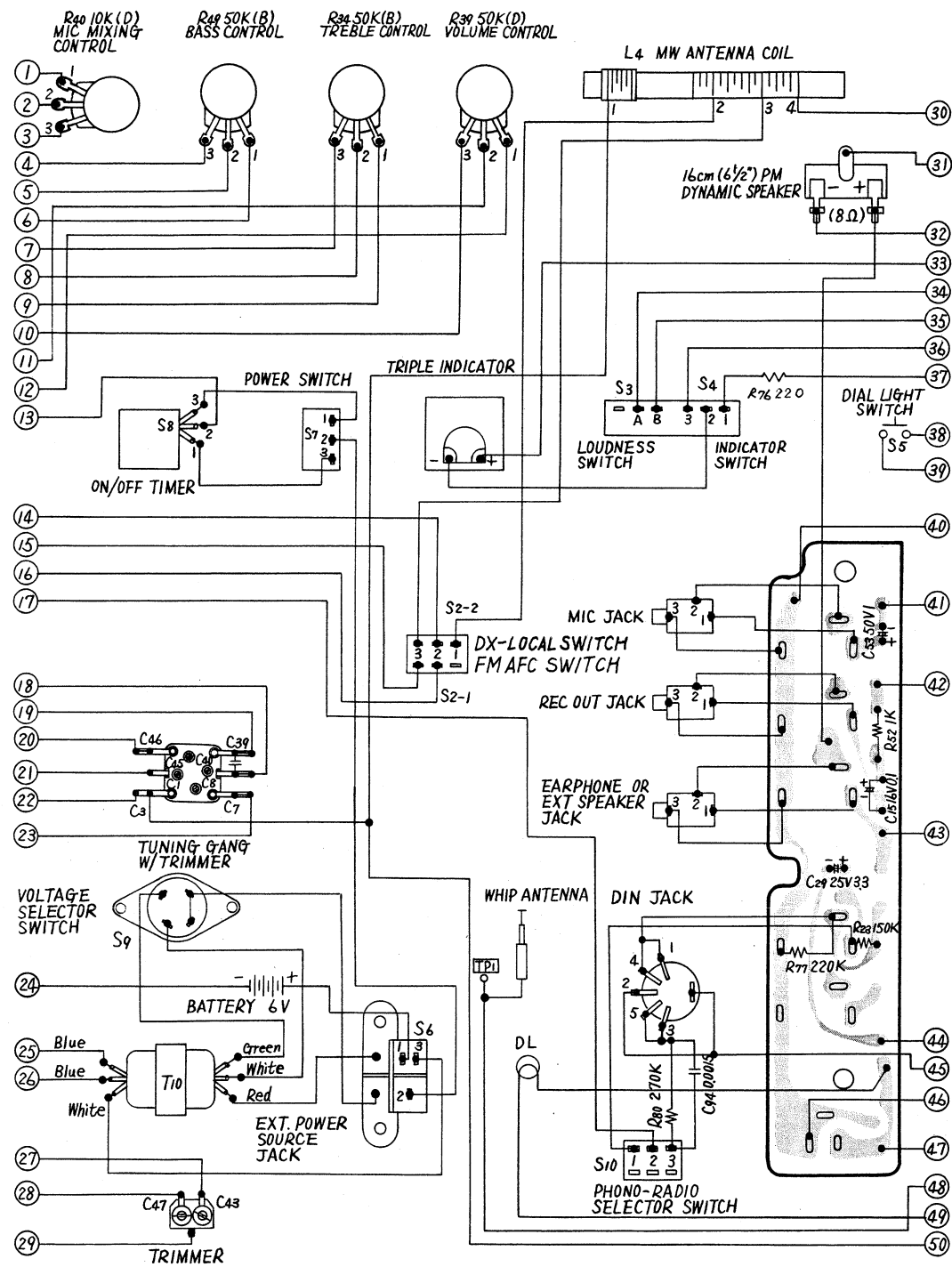
CABINET PARTS LOCATIONS



ACCESSORIES & PACKING PARTS LOCATIONS



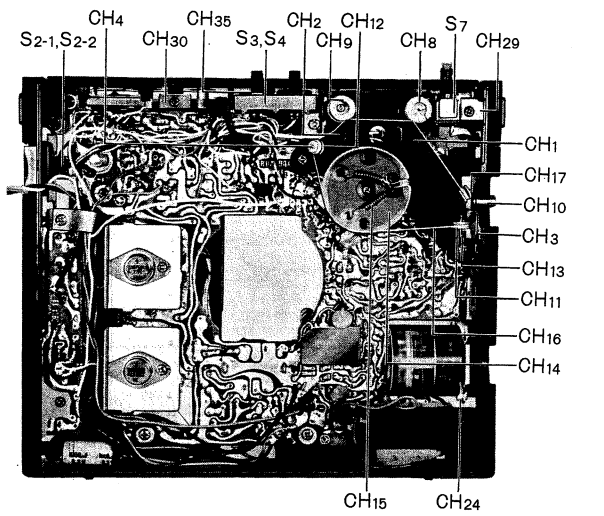
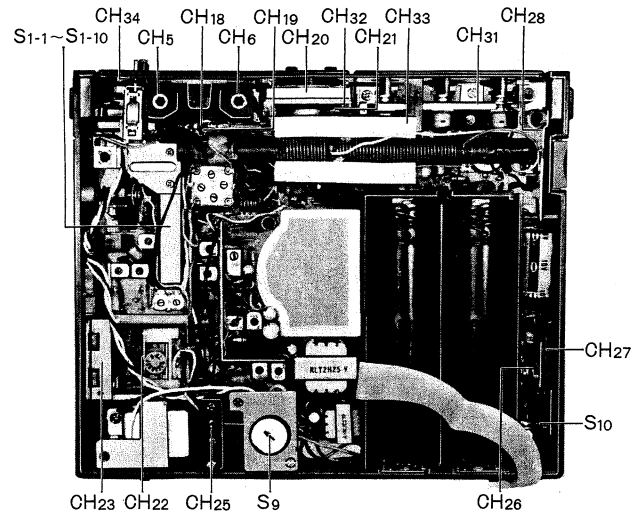
Circuit Board Wiring View-Model RF-888JB



TR, D & IC	T10	L4	TR6	TR7	TR13	TR14	D9	TR9	D8	TR10	TR8	TR11	TR1	D10	TR15	D1	D12	IC	TR2	TR4	D4	D7	D2	D5	D4	TR1	D11	TR3	TR5
T & L	T10	L4	T8	T9	L12	L9	T6	L1	L3	T7	T5	L4	L2	T4	L10	T1	T3	L1	L5	L7	L8								

Earth Line

CHASSIS PARTS LOCATIONS



REPLACEMENT PARTS LIST

NOTES:
 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
 2. X-Z rank: X rank parts will cover 80% of repair needs. X+Y rank parts will cover 95% of repair needs. Z rank parts are less necessary.
 3. Ⓢ mark indicates 1/8 serrations parts.

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUIT, TRANSISTORS AND DIODES				
IC	AN353	FM-AM IF Amplifier	1	X
TR1	25K49	FM-AM RF Amplifier	1	X
TR2,3,4,5	25C1359	FM L. Oscillator, AM L. Oscillator	4	X
TR6	25C900	FM-AM Mixer, FM-IF Amplifier	1	X
TR7,9,10	25C1538	1st Mic Amplifier, 2nd Mic Amplifier, Pre Amplifier, 1st AF Amplifier	3	X
TR8	25B175	Meter Amplifier	1	X
TR11	25B324	2nd AF Amplifier	1	X
TR12	25C1537	Power Operation Compensator	1	X
TR13,14	25B473	Power Amplifier	2	X
TR15	25B176	Ripple Filter	1	X
D1	15351	FM AFC	1	X
D2,3,5,8	0A90	AM AGC, FM Rectifier, AM Detector & AGC, Power Rectifier	4	X
D4	151211	Switching	1	X
D6,7	2-0A90	FM Detector	1 pair	X
D9,11	RVDKB265J2	AM L. Oscillator AOC, Meter AOC	2	X
D10,12	RVDVD1211M	Power AOC, FM L. Oscillator AOC	2	X
THERMISTOR AND RECTIFIER				
Th	RRT800	Power AOC	1	X
Se	RVDC08P1R	Rectifier	1	X
CERAMIC FILTER, COILS AND TRANSFORMERS				
L1	RLA4Y6	FM Antenna Coil	1	X
L2,6	RLE57	FM Oscillator & Detector Coil	1	X
L3	RLQY11G4	RF Choke Coil	1	X
L4	RLF2X1-0	MW Antenna Coil	1	X
L5	RLA3M4	SW Antenna Coil	1	X
L7	RL02M1	MW Oscillator Coil	1	X
L8	RL03M5	SW Oscillator Coil	1	X
L9	RLQY50S5-0	Choke Coil	1	Y
L10,11	RLQY15G5-0	Choke Coil	2	Y
L12	RLQY75S5-0	Choke Coil	1	Y
T1,3,5	RLI4M301	FM 1st, 2nd & 3rd IF Transformer	3	X
T2	RLI7M105Q	AM 1st IF Transformer	1	X
T4	RLI2M401	AM 2nd IF Transformer	1	X
T6	RLI4M501	FM 4th IF Transformer (Primary)	1	X
T7	RLI4M502	FM 4th IF Transformer (Secondary)	1	X
T8	RLT3F30-V	Input Transformer	1	X
T9	RLT2H25-V	Output Transformer	1	X
T10	RLT5150-W	Power Transformer	1	X
CF	RVFCF10S12CB	Ceramic Filter	1	X
VARIABLE RESISTORS				
R39	EVH78AF15D54	50KΩ(D), Volume Control	1	X

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
VARIABLE CAPACITORS				
C3,7,39,46	PVC22J20T2MG	Tuning Gang, W/Trimmer (C1,8,40,45)	1	X
C43,47	RCV2T-16M	Trimmer	1	X
COMPONENTS COMBINATIONS				
Z1	RXABPF10801C	Coils & Capacitors	1	X
Z2	EXA5DL04C	330PF X3, 4.7KΩ X2	1	X
Z3	RXAF103P22HD	0.01μF X2	1	X
SPEAKER				
SP	EAS16P66S	16cm(6 1/2")PM Dynamic Speaker, 1mp 8Ω	1	X
SWITCHES				
S1-1~S1-10	RST26A-M	Band Selector Switch	1	X
S2-1~S2-2	RSS110A-G	FM AFC, MW DX-LOCAL Switch	1	X
S3,4	RSS97A-M	Loudness & Indicator Switch	1	X
S7	RST33AS-H	Power Switch	1	X
S9	RSR12A	Voltage Selector Switch	1	X
S10	RSS123Z-H	PHONO-RADIO Selector Switch	1	X
RESISTORS				
R4	ERD18SJ470	47Ω, 1/8Watt, ±5%, Carbon	1	Z
R5	ERD18SJ101	100Ω, 1/8Watt, ±5%, Carbon	1	Z
R32	ERD18SJ331	330Ω, 1/8Watt, ±5%, Carbon	1	Z
R9,43,47,64	ERD18SJ102	1KΩ, 1/8Watt, ±5%, Carbon	4	Z
R38	ERD18SJ152	1.5KΩ, 1/8Watt, ±5%, Carbon	1	Z
R14	ERD18SJ222	2.2KΩ, 1/8Watt, ±5%, Carbon	1	Z
R28,35,36	ERD18SJ103	10KΩ, 1/8Watt, ±5%, Carbon	3	Z
R41,42	ERD18SJ153	15KΩ, 1/8Watt, ±5%, Carbon	2	Z
R6,20,29	ERD18SJ104	100KΩ, 1/8Watt, ±5%, Carbon	3	Z
R44	ERD18SJ334	330KΩ, 1/8Watt, ±5%, Carbon	1	Z
R45	ERD18SJ684	680KΩ, 1/8Watt, ±5%, Carbon	1	Z
R46	ERD18SJ470	47Ω, 1/8Watt, ±5%, Carbon	1	Z
R55	ERD18SJ820	82Ω, 1/8Watt, ±5%, Carbon	1	Z
R75	ERD18VJ150	15Ω, 1/8Watt, ±5%, Carbon	1	Z
R61	ERD18VJ270	27Ω, 1/8Watt, ±5%, Carbon	1	Z
R50	ERD18VJ330	33Ω, 1/8Watt, ±5%, Carbon	1	Z
R53	ERD18VJ390	39Ω, 1/8Watt, ±5%, Carbon	1	Z
R51	ERD18VJ101	100Ω, 1/8Watt, ±5%, Carbon	1	Z
R63	ERD18VJ221	220Ω, 1/8Watt, ±5%, Carbon	1	Z
R71	ERD18VJ331	330Ω, 1/8Watt, ±5%, Carbon	1	Z
R27	ERD18VJ391	390Ω, 1/8Watt, ±5%, Carbon	1	Z
R11,19	ERD18VJ681	680Ω, 1/8Watt, ±5%, Carbon	2	Z
R21,22	ERD18VJ102	1KΩ, 1/8Watt, ±5%, Carbon	2	Z
R24	ERD18VJ152	1.5KΩ, 1/8Watt, ±5%, Carbon	1	Z
R17,18,33,70,78	ERD18VJ222	2.2KΩ, 1/8Watt, ±5%, Carbon	5	Z
R67,72	ERD18VJ272	2.7KΩ, 1/8Watt, ±5%, Carbon	2	Z
R15,25,59,65	ERD18VJ332	3.3KΩ, 1/8Watt, ±5%, Carbon	4	Z

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
R16,60	ERD18VJ472	4.7KΩ, 1/8Watt, ±5%, Carbon	2	Z
R13	ERD18VJ822	8.2KΩ, 1/8Watt, ±5%, Carbon	1	Z
R37	ERD18VJ223	22KΩ, 1/8Watt, ±5%, Carbon	1	Z
R48	ERD18VJ563	56KΩ, 1/8Watt, ±5%, Carbon	1	Z
R10	ERD18VJ224	220KΩ, 1/8Watt, ±5%, Carbon	1	Z
R3,79	ERD18VJ824	820KΩ, 1/8Watt, ±5%, Carbon	2	Z
R74	ERD18TJ330	33Ω, 1/8Watt, ±5%, Carbon	1	Z
R76	ERD18TJ221	220Ω, 1/8Watt, ±5%, Carbon	1	Z
R7	ERD18TJ471	470Ω, 1/8Watt, ±5%, Carbon	1	Z
R52,57,58	ERD18TJ102	1KΩ, 1/8Watt, ±5%, Carbon	3	Z
R62	ERD18TJ182	1.8KΩ, 1/8Watt, ±5%, Carbon	1	Z
R73	ERD18TJ332	3.3KΩ, 1/8Watt, ±5%, Carbon	1	Z
R69	ERD18TJ103	10KΩ, 1/8Watt, ±5%, Carbon	1	Z
R1	ERD18TJ473	47KΩ, 1/8Watt, ±5%, Carbon	1	Z
R56	ERD18TJ563	56KΩ, 1/8Watt, ±5%, Carbon	1	Z
R66	ERD18TJ104	100KΩ, 1/8Watt, ±5%, Carbon	1	Z
R77	ERD18VJ224	220KΩ, 1/8Watt, ±5%, Carbon	1	Z
R23	ERD18VJ154	150KΩ, 1/8Watt, ±5%, Carbon	1	Z
R31	ERD18SJ824	820KΩ, 1/8Watt, ±5%, Carbon	1	Z
R80	ERD14VJ274	270KΩ, 1/8Watt, ±5%, Carbon	1	Z

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
CAPACITORS				
C37,48	ECCD1H020C	2PF, 50WV, ±0.25PF, Ceramic	2	Z
C11	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1	Z
C10,41	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	2	Z
C32,38	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	2	Z
C16	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1	Z
C31	ECCD1H330KC	33PF, 50WV, ±10%, Ceramic	1	Z
C6	ECCD1H181K	180PF, 50WV, ±10%, Ceramic	1	Z
C19	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1	Z
C22,86	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	2	Z
C4,33,36,85,93	ECKD1H102PF	0.001μF, 50WV, ±10%, Ceramic	5	Z
C9,76	ECKD1H681MD	680PF, 50WV, ±20%, Ceramic	2	Z
C5,12,17,20,75,88,90,91,92	ECKE1H103PF	0.01μF, 50WV, ±100%, Ceramic	9	Z
C13	ECKE1H223PF	0.022μF, 50WV, ±100%, Ceramic	1	Z
C59	ECCG05102MZN	0.001μF, 50WV, ±20%, Polyester	1	Z
C34,55	ECCG05472MZN	0.0047μF, 50WV, ±20%, Polyester	2	Z
C50	ECCG05682MZN	0.0068μF, 50WV, ±20%, Polyester	1	Z
C67,81	ECCG05103MZN	0.01μF, 50WV, ±20%, Polyester	2	Z
C14,51,54,56	ECCG05223MZN	0.022μF, 50WV, ±20%, Polyester	4	Z
C66,68,77,84	ECCG05333MZN	0.033μF, 50WV, ±20%, Polyester	4	Z
C23,24,69,70,83	ECCG05473MZN	0.047μF, 50WV, ±20%, Polyester	5	Z
C72	ECCG05683MZN	0.068μF, 50WV, ±20%, Polyester	1	Z
C42	ECCS1301JZ	300PF, 125WV, ±5%, Styrol	1	Z
C49	ECCS05332KZ	3300PF, 50WV, ±10%, Styrol	1	Z
C15,58,60,87	ECA616ER1-Y	0.1μF, 16WV, Electrolytic	4	Y
C61	ECA616ER33-Y	0.33μF, 16WV, Electrolytic	1	Y
C28	ECA616ER47-Y	0.47μF, 16WV, Electrolytic	1	Y
C18,53,57,82,82	ECEA50V1	1μF, 50WV, Electrolytic	5	Y
C29,64	ECEA25V3R3	3.3μF, 25WV, Electrolytic	2	Y
C30	ECEA25V4R7	4.7μF, 25WV, Electrolytic	1	Y
C25,73,78,79	ECEA16V10	10μF, 16WV, Electrolytic	4	Y
C26	ECEA6V33	33μF, 6.3WV, Electrolytic	1	Y
C27,52	ECEA6V100	100μF, 6.3WV, Electrolytic	2	Y
C63,71	ECEA6V220	220μF, 6.3WV, Electrolytic	2	Y
C65	ECEA6V1000	1000μF, 6.3WV, Electrolytic	1	Y
C74	ECEA10V2200	2200μF, 10WV, Electrolytic	1	Y
C93	ECCG05152MZN	0.0015μF, 50WV, ±20%, Polyester	1	Z

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
CABINET				
CA1	RYMF888JBXG	Cabinet Body Assembly	1	X
	RKM242X	Cabinet Body Only [Not Available Order RYMF888JBXG]	(1)	
CA2	RGF220A	Panel, Dial	1	Z
CA3	RGK470Z	Indicating Plate, Cabinet Left Side	1	Z
CA4	RJC104B	Terminal, Battery ⊕ Side	2	Y
CA5	RJC603D	Spring, Battery ⊖ Side	2	Y
CA6	RGK450A	Indicating Plate, Cabinet Right Side	1	Z
CA7	RBC49A	Button, Dial Light Switch	1	Y
CA8	RJT414B	Spring, Dial Light Switch (Upper Side)	1	Z
CA9	RJT415A	Terminal, Dial Light Switch (Lower Side)	1	Z
CA10	RJT418B	Terminal, Whip Antenna	1	Z
CA11	RKT60A	Button, Carring Belt	2	Z
CA12	RDS4160A	Spring, Carring Belt Button	2	Z
	RYF1F888JBXG	Cabinet Front Cover Assembly, Black	1	X
	RYF1F888JBX2	Cabinet Front Cover Assembly, Red	1	X
CA13	RKF174Y	Cover Only, (Black)	(1)	
	RKF174Z	Cover Only, (Red)	(1)	
CA14	RGB166A	Badge	(1)	
CA15	RGX464Z	Ornament	(1)	
CA16	RGX458A	Ornament	(1)	
CA17	RG537A	Nylon Net, Speaker	(1)	
CA18	RGF237A	Panel, Timer	(1)	
	RYF2F888JBXG	Cabinet Back Cover Assembly, Black	1	X
	RYF2F888JBX2	Cabinet Back Cover Assembly, Red	1	X
CA19	RKF175D	Cover Only, Black	(1)	
	RKF175E2	Cover Only, Red	(1)	
CA20	RGT354Z	Name Plate	(1)	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
CA21	RMA5014A	Bracket (Plastic), Whip Antenna	1	Y
CA22	XEARR174GASY	Whip Antenna, 7 Step 1080mm	1	X
CA23	RMA97A	Bracket (Metal), Whip Antenna	1	Z
CA24	RKK68A	Cover, Battery Compartment	1	X
CA25	RMS42-1	Bracket (Large), Speaker	1	Z
CA26	RMS5B	Bracket (Small), Speaker	2	Z
	RBN237A	Knob, Bass, Treble, Volume For Black Cabinet	3	X
	RBN204A	Knob, Bass, Treble, Volume For Red Cabinet	3	X
CA28	RBN208A	Knob, Tuning	1	X
CA29	RBS59BK	Knob, Timer	1	X
CA30	RBS60A	Knob, Mic Mixing	1	X
CA31	RBD43A	Knob, FM AFC/MW DX-LOCAL	1	X
CA32	RBD44A	Knob, Band Selector	1	X
CA33	XYN3DC8S	Screw, Whip Antenna M'tg	1	Z
	XWG3F10	Washer, Whip Antenna M'tg	1	Z
CA34	XTB3+60BFN	Screw, Cabinet Cover M'tg	4	Z
CA35	RMW89A	Bracket, Voltage Selector Switch	1	Z
CA36	RHP924A	Cover, Voltage Selector Switch	1	Z

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
CHASSIS				
CH1	RYDF888JBXG	Dial Drive Assembly	1	Y
	RUA161Z	Dial Drive Base	(1)	
CH2	RHR951A	Guide	(1)	
CH3	RDY15B	Shaft (Long)	(1)	
CH4	RDY17A	Shaft (Short)	(2)	
	RHR651A	Reflecting Plate	(1)	
CH5	RDF928A	Roller (High Frequency Side)	(