ORDER NO. RD7811-1627C

Service Manual

Radio

FM-AM-SW 5-Band
Portable Radio

RF-2900/©

■ SPECIFICATIONS

Frequency Range:	FM	88~108 MHz	
	AM	525~1605 kHz	
	SW	3.2~8 MHz	
	SW	8~16 MHz	
	SW	16~30 MHz	
Intermediate Frequency:	FM 10.7 MHz		
	AM & SW 2nd 455 kHz		
	SW 1st 2 MHz		
Sensitivity:	FM	0.5μV (S/N 6 dB)	
	AM	14μV/m for 50mW Output	
	SW	0.5μV for 50mW Output	
Power Source:	AC 120 V 60 Hz		
	9V (Six "D" Size Flashlight Batteries)		
	(Panasonic UM-1 or equivalent)		

Power Consumption:	7 W at 120V (AC Only)
Speaker:	4" (10 cm) PM Dynamic Speaker
Dimensions:	15"(Wide)×9 11/16"(High)×4 3/4"(Deep) (381×246×120) mm
Weight:	8 lb. 10 oz. (3.9 kg) with batteries
Impedance:	Speaker 3.2Ω
	Earphone Jack ..... 3.2~8Ω
	MPX Out Jack 10kΩ
	FM EXT Antenna 75Ω
	REC Out Jack 6kΩ

Weights and dimensions shown are approximate.
(Les poids et dimensions mentionnés sont approximatifs.)
Specifications are subject to change without notice for further improvement.

Panasonic

Panasonic Company
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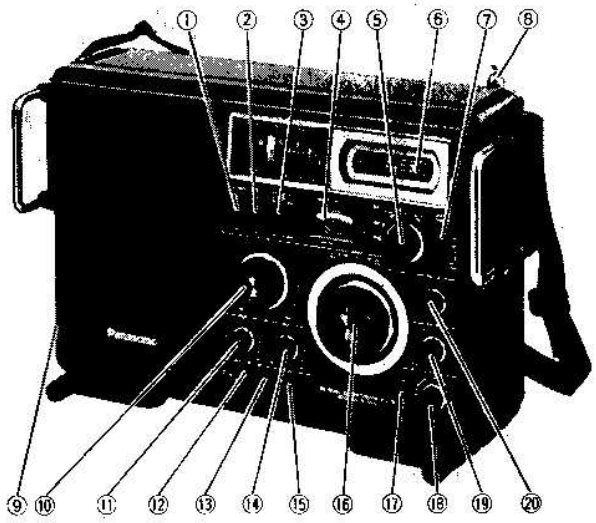
5770 Ambler Drive, Mississauga,
Ontario, L4W 2K9

LOCATION OF CONTROLS AND COMPONENTS



① Power Switch
② Light Switch
③ FM AFC/Bandwidth Switch
④ Tuning/Battery Indicator
⑤ Band Selector
⑥ Digital Frequency Display
⑦ Frequency Display Switch
⑧ Telescopic Antenna
⑨ AC Input Jack (on the side)
⑩ Volume Control
⑪ Bass Control
⑫ Earphone/External Speaker Jack
⑬ Multiplex Output Jack
⑭ Treble Control
⑮ Recording Output Jack
⑯ Tuning Control
⑰ BFO Switch
⑱ BFO Pitch Control
⑲ RF Gain Control
⑳ SW Calibrator

DISASSEMBLY INSTRUCTIONS

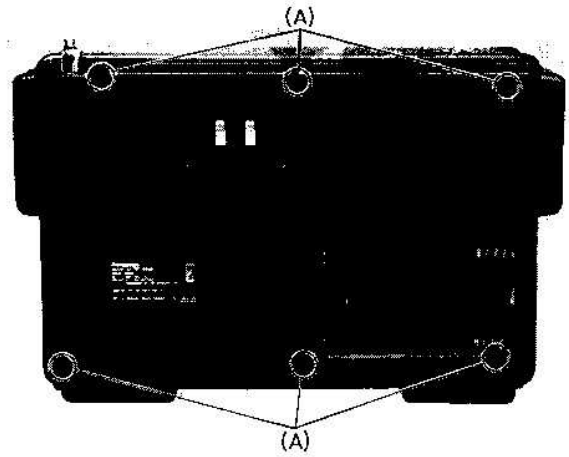


Fig. 1

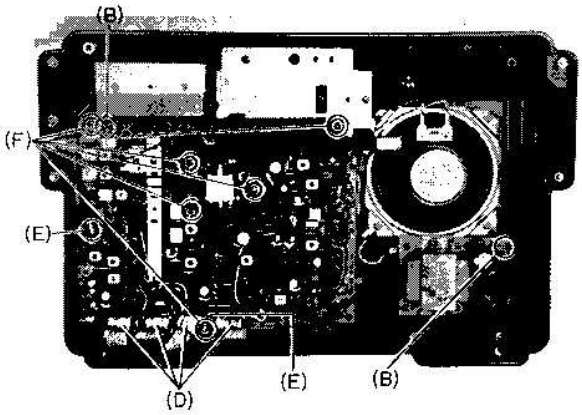


Fig. 2

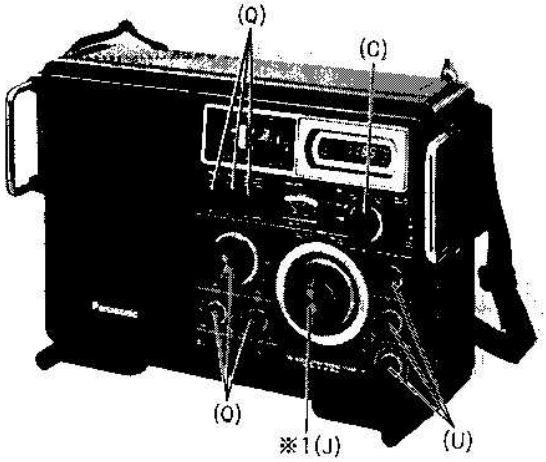


Fig. 3

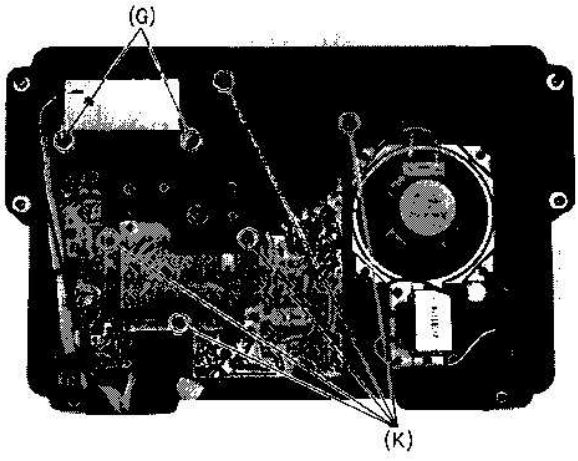


Fig. 4

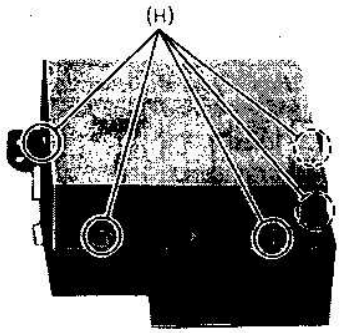


Fig. 5

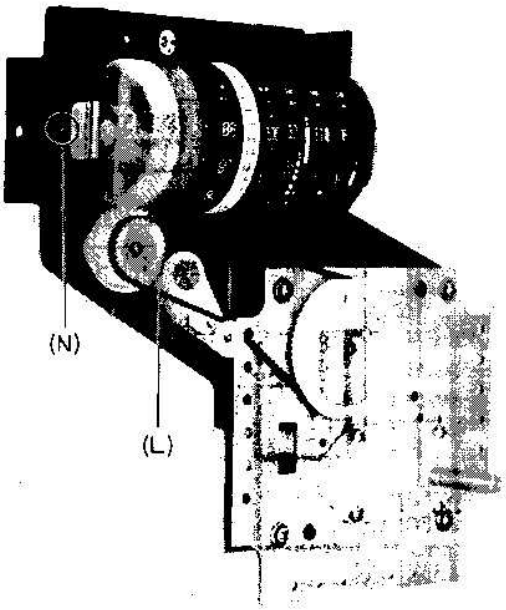


Fig. 7

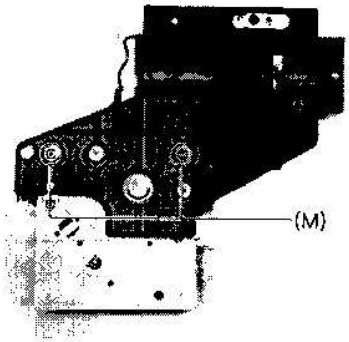


Fig. 8

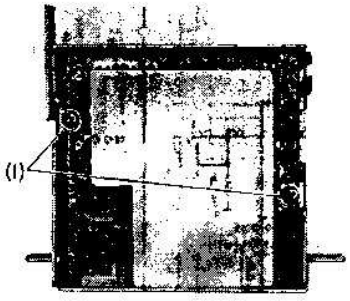


Fig. 6

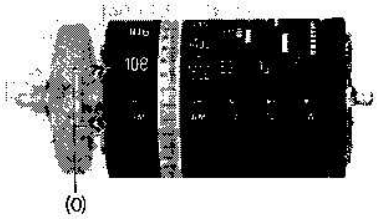


Fig. 9

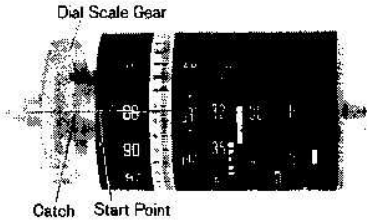


Fig. 10

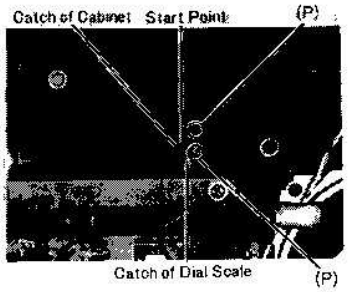


Fig. 11

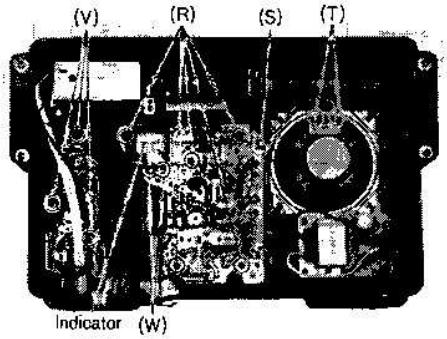


Fig. 12

Procedure	To remove —	Remove —	Shown in fig.—
1	Cabinet Cover	6 screws .....(A)	1
2		3 sockets .....(B)	2
3	PC Board (IF, RF Circuit)	Band knob.....(C)	3
4		Tuning knob .....※1	3
5		4 sockets .....(D)	2
6		5 unsolder lead .....(E)	2
7		6 screws .....(F)	2
8	Frequency Counter	2 screws.....(G)	4
9	PC Board (Frequency Counter)	5 screws.....(H)	5
10		2 screws.....(I)	6
11	Dial Scale Chassis	Tuning knob .....(J)	3
12		5 screws.....(K)	4
13	Dial Mechanism ※2	Dial Belt .....(L)	7
14		2 screws .....(M)	8
15	Dial Scale ※3	1 screw .....(N)(O)(P)	7, 9, 10, 11
16	PC Board (AF Circuit)	6 knobs .....(Q)	3
17		5 screws.....(R)	12
18		1 unsolder lead .....(S)	12
19		2 socket .....(T)	12

20	PC Board	3 knobs .....(U)	3
21	(Control Circuit)	3 screws .....(V)	12
22	Indicator	Unsolder .....(W)	12

Notes:

※1. • Turn the tuning knob fully counter-clockwise.
• Turn the tuning capacitor shaft fully counter-clockwise.

※2. • Turn the tuning shaft fully counter-clockwise.
• Set the dial scale at the position, as shown in fig. 7.
• Attach the dial belt.
• Refer to dial scale removal instruction.

※3. • Loosen the two (2) screws (O) for the dial scale gear, as shown in fig. 9.
• Set the catch of dial scale gear to the start point of dial scale, as shown in fig. 10.
• Turn the tuning shaft fully counter-clockwise.
• After mounting the PC board (IF, RF circuit), turn the dial scale by pushing the catch of dial scale and set the start point of dial scale to the catch of cabinet, ad shown in fig. 11.
• Tighten the two (2) screws (P) for the dial scale gear, as shown in fig. 11.

■ HOW TO REPLACE CHIPS (RESISTOR, CAPACITOR, JUMPER)

1. Remove solder from chip by using solder sucker.
2. Remove chip with tweezers by rotating it while removing solder as shown in fig.13.
3. Solder circuit board first and then solder chip in the direction of the arrow as shown in fig.14.

Notes:

1. Do not use chip again which is removed from P.C. Board.
2. Use lead wire with insulator for replacement instead of chip jumper.

Color	Original Parts Name
Black	Chip Resistor
Brown	Chip Capacitor
Blue	Chip Jumper

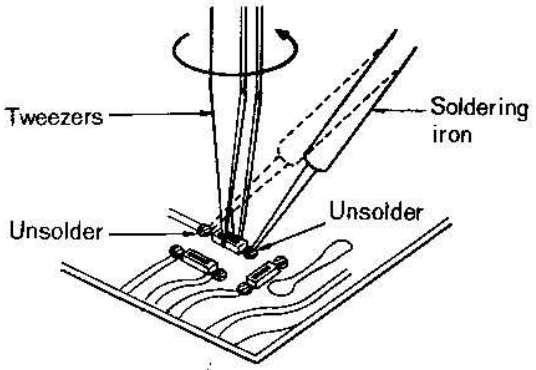


Fig. 13

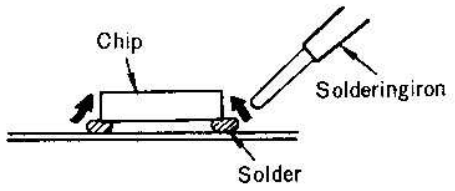


Fig. 14

BLOCK DIAGRAM

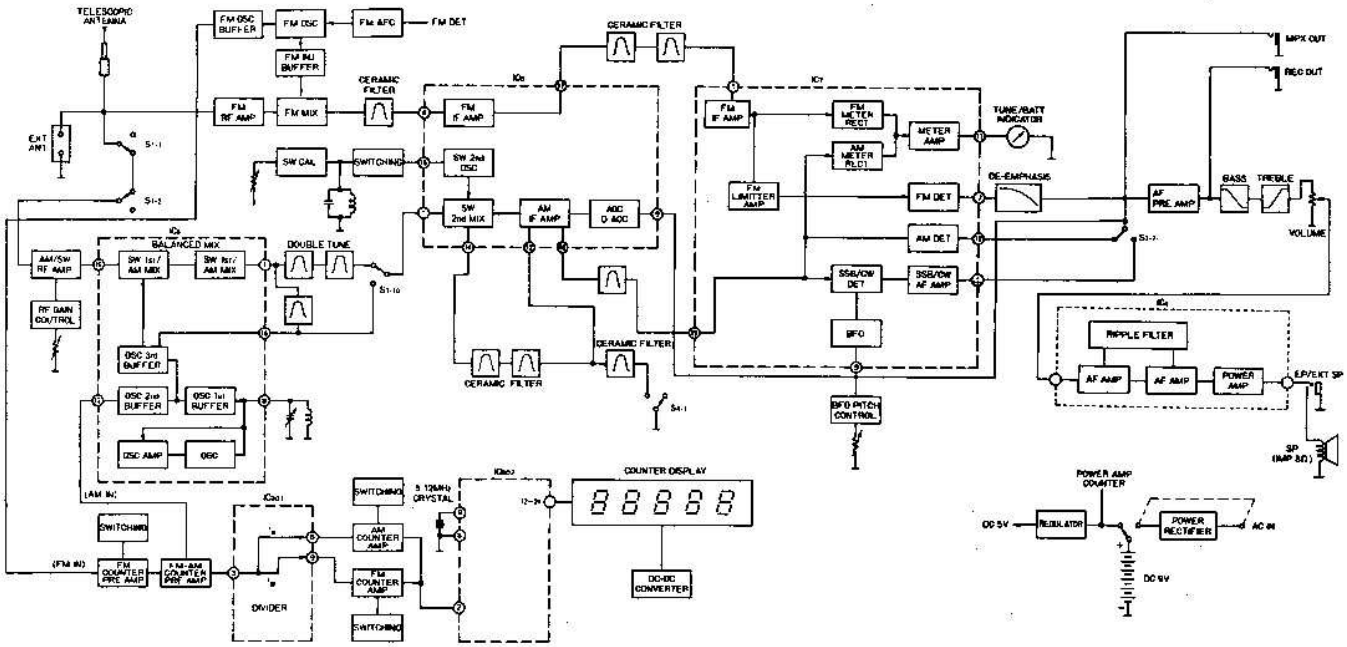


Fig. 15

ALIGNMENTS

■ ALIGNMENT POINTS

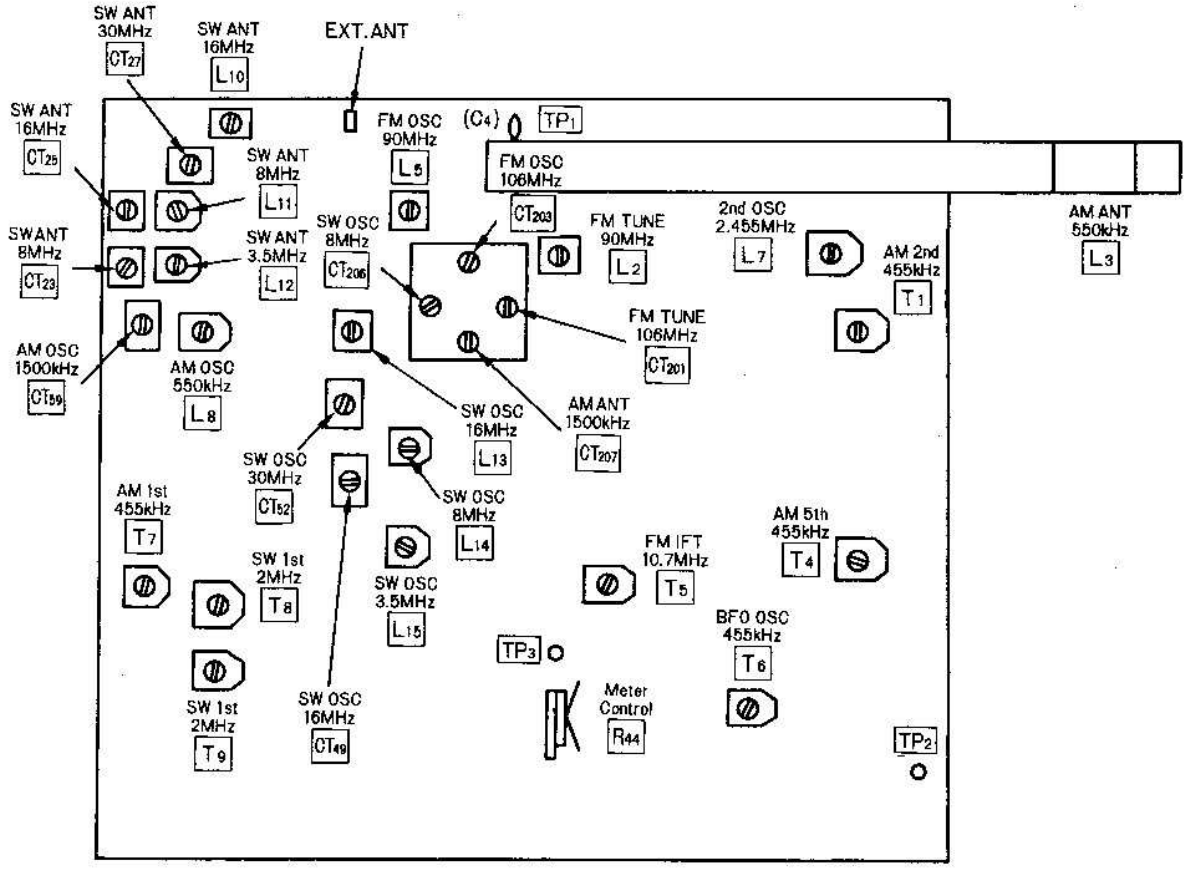
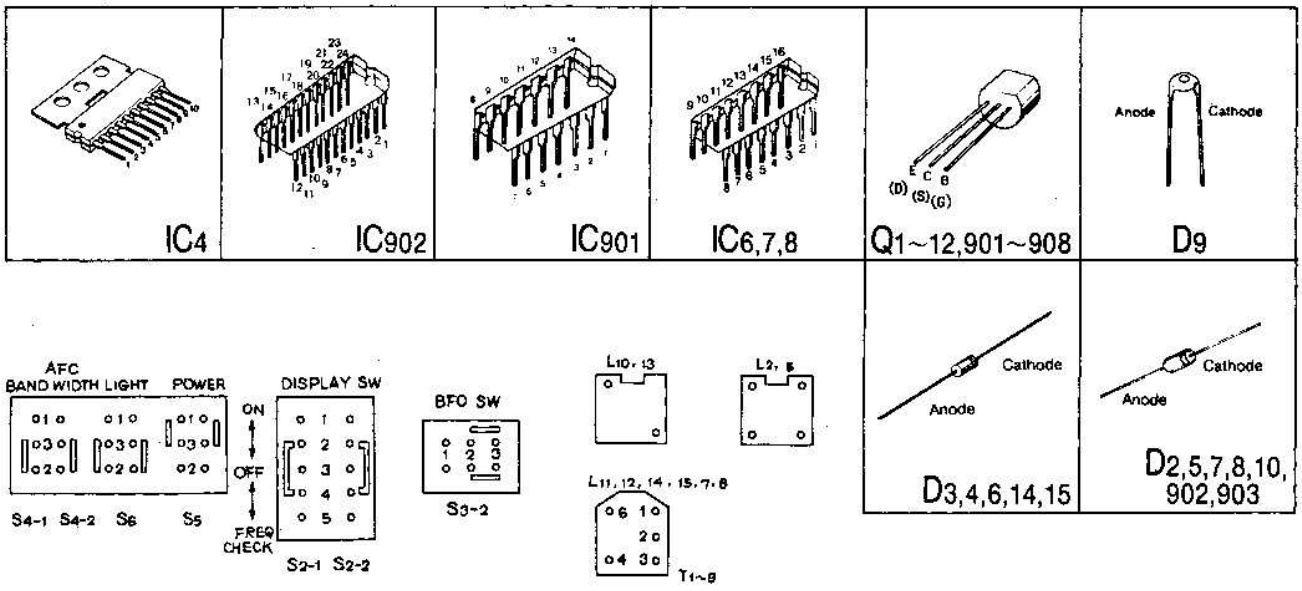


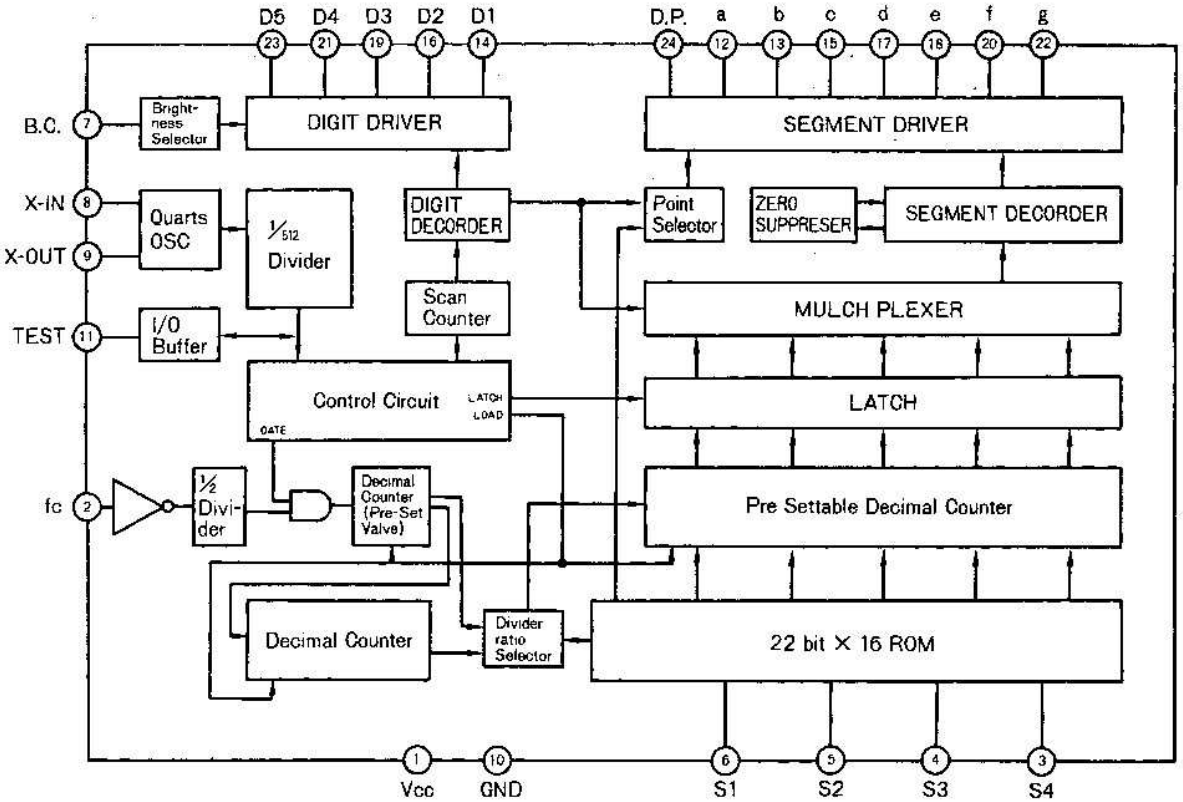
Fig. 16

Notes:

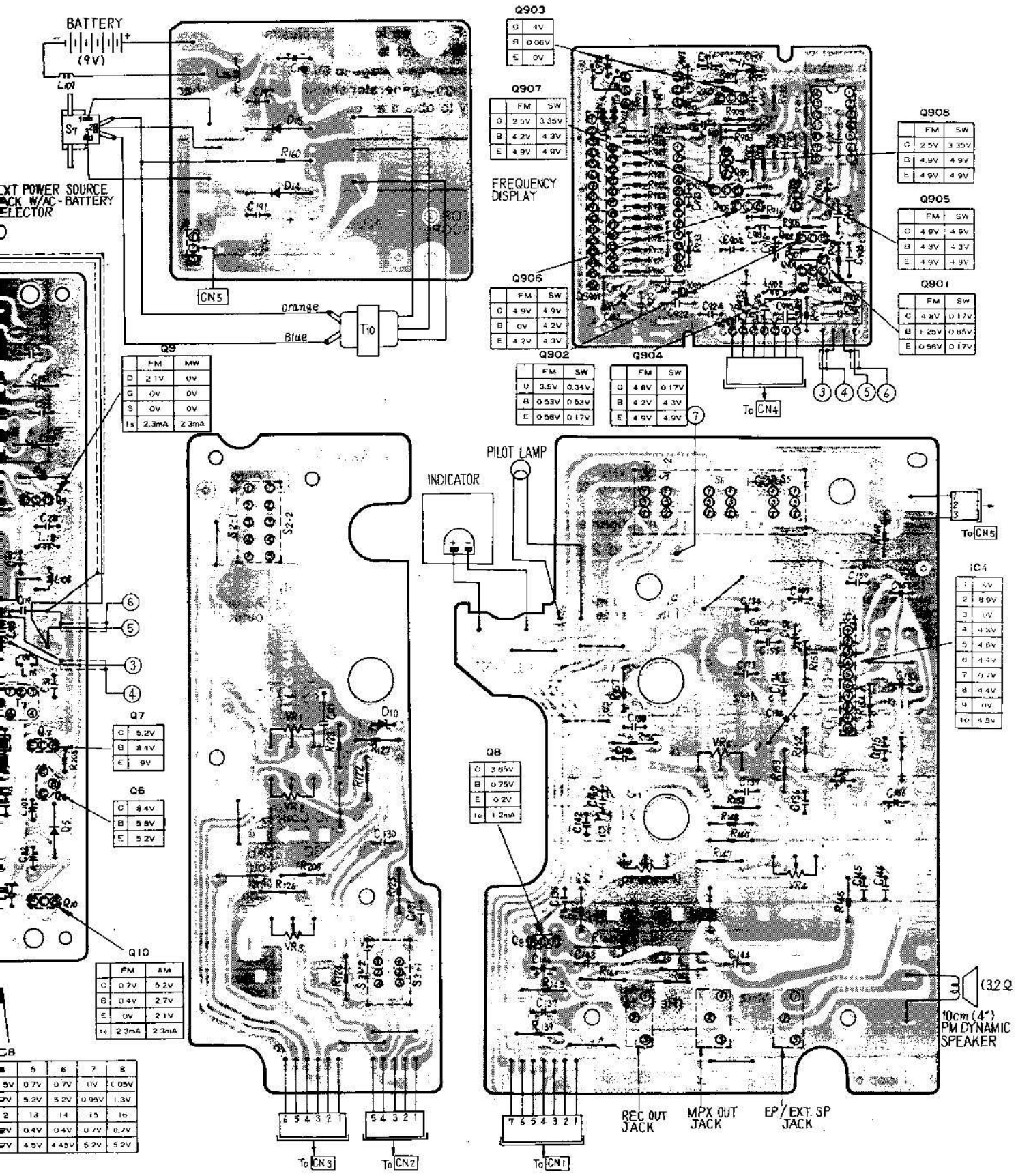
1. S_{1-1}~S_{1-10}: Band switch in "FM" position.
2. S_{2-1}, S_{2-2}: Digital display switch in "OFF" position.
3. S_{3-1}, S_{3-2}: BFO switch in "OFF" position.
4. S_{4-1}: FM AFC switch in "OFF" position.
5. S_{4-2}: Band width switch in "NARROW" position.
6. S_5: Power switch in "OFF" position.
7. S_6: Light switch in "OFF" position.
8. S_7: AC-battery switch in "Battery" position.
9. DC voltage measurements are taken with 10 kΩ/V voltmeter from negative terminal of battery.
   □.....FM position ( ).....AM position
   〈 〉.....SW position
10. * mark.....chip resistor and capacitor.
11. Battery current. No signal .....36 mA
    Maximum output .....600 mA



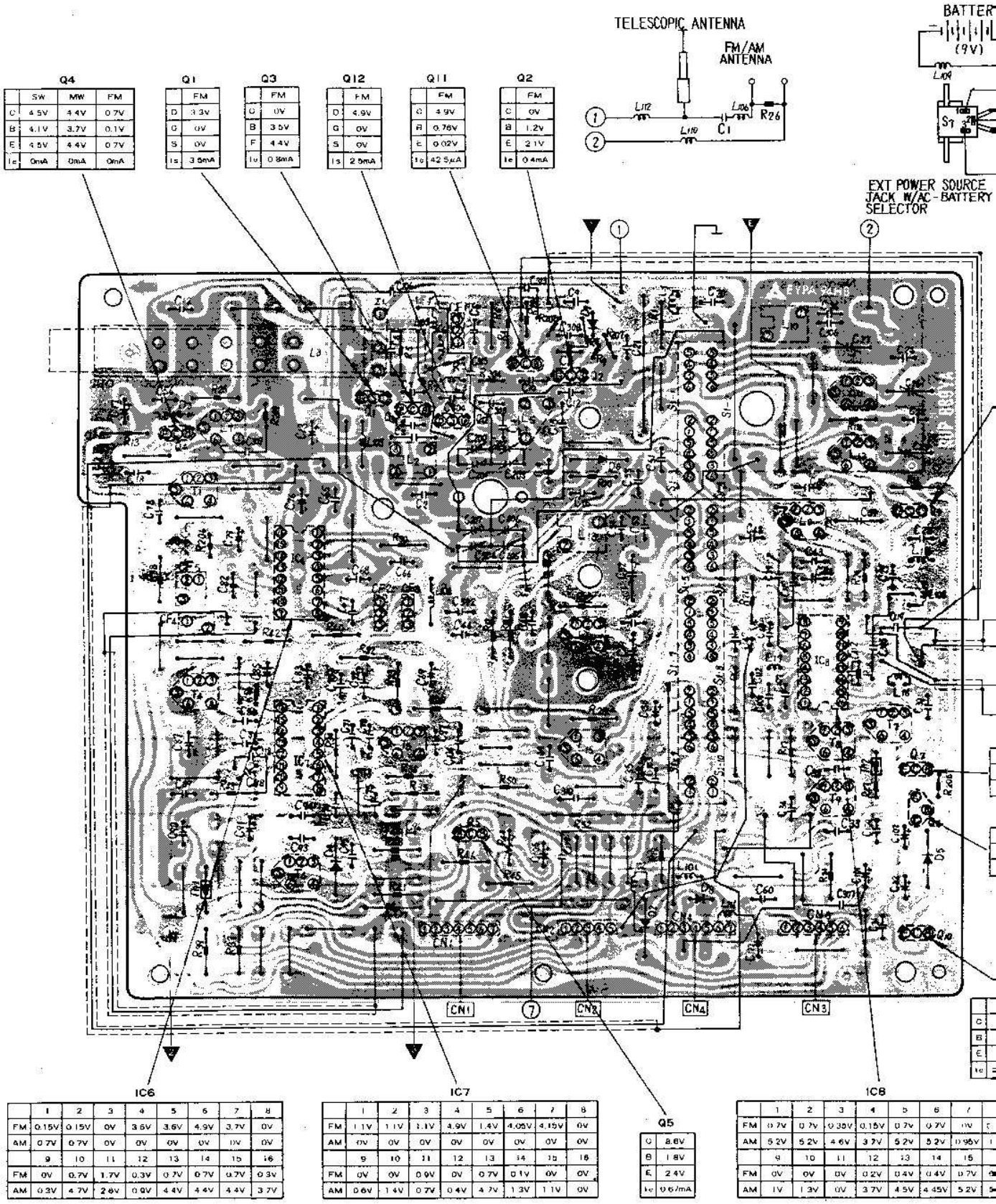
■ IC 902 (RVIM54828P) BLOCK DIAGRAM



Wiring View – Model RF-2900/©



Circuit Board Wiring V



Q4	SW	MW	FM
C	4.5V	4.4V	0.7V
B	4.1V	3.7V	0.1V
E	4.5V	4.4V	0.7V
Ie	0mA	0mA	0mA

Q1	FM
D	3.3V
G	0V
S	0V
Is	3.5mA

Q3	FM
G	0V
B	3.5V
F	4.4V
Ie	0.8mA

Q12	FM
D	4.9V
G	0V
S	0V
Is	2.9mA

Q11	FM
G	4.9V
B	0.76V
E	0.02V
Ie	42.5μA

Q2	FM
C	0V
B	1.2V
E	2.1V
Ie	0.4mA

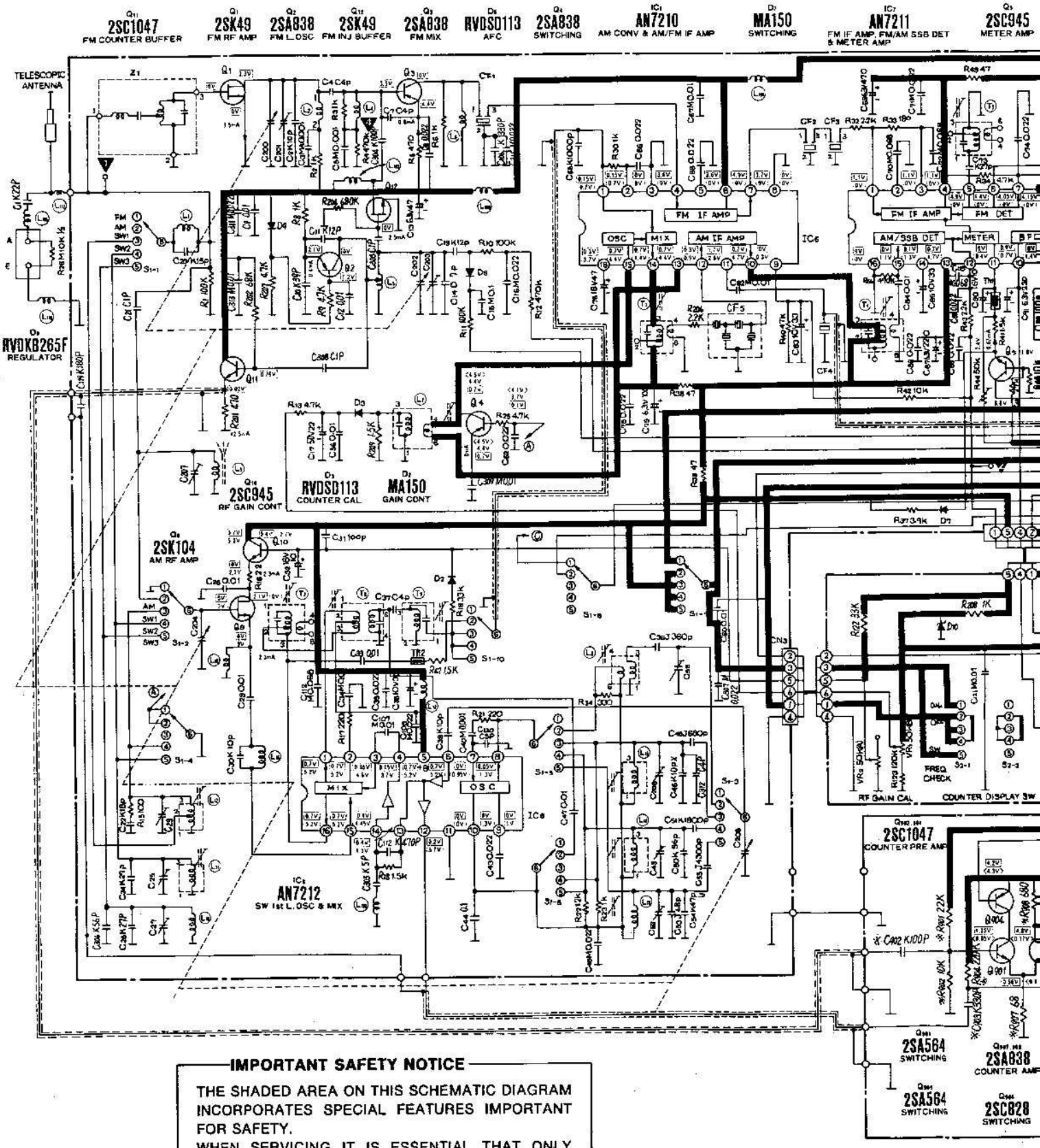
IC6	1	2	3	4	5	6	7	8
FM	0.15V	0.15V	0V	3.6V	3.6V	4.9V	3.7V	0V
AM	0.7V	0.7V	0V	0V	0V	0V	0V	0V
	9	10	11	12	13	14	15	16
FM	0V	0.7V	1.7V	0.3V	0.7V	0.7V	0.7V	0.3V
AM	0.3V	4.7V	2.6V	0.9V	4.4V	4.4V	4.4V	3.7V

IC7	1	2	3	4	5	6	7	8
FM	1.1V	1.1V	1.1V	4.9V	1.4V	4.05V	4.15V	0V
AM	0V	0V	0V	0V	0V	0V	0V	0V
	9	10	11	12	13	14	15	16
FM	0V	0V	0.9V	0V	0.7V	0.1V	0V	0V
AM	0.6V	1.4V	0.7V	0.4V	4.7V	1.3V	1.1V	0V

Q5	
C	8.6V
B	1.8V
E	2.4V
Ic	0.6/mA

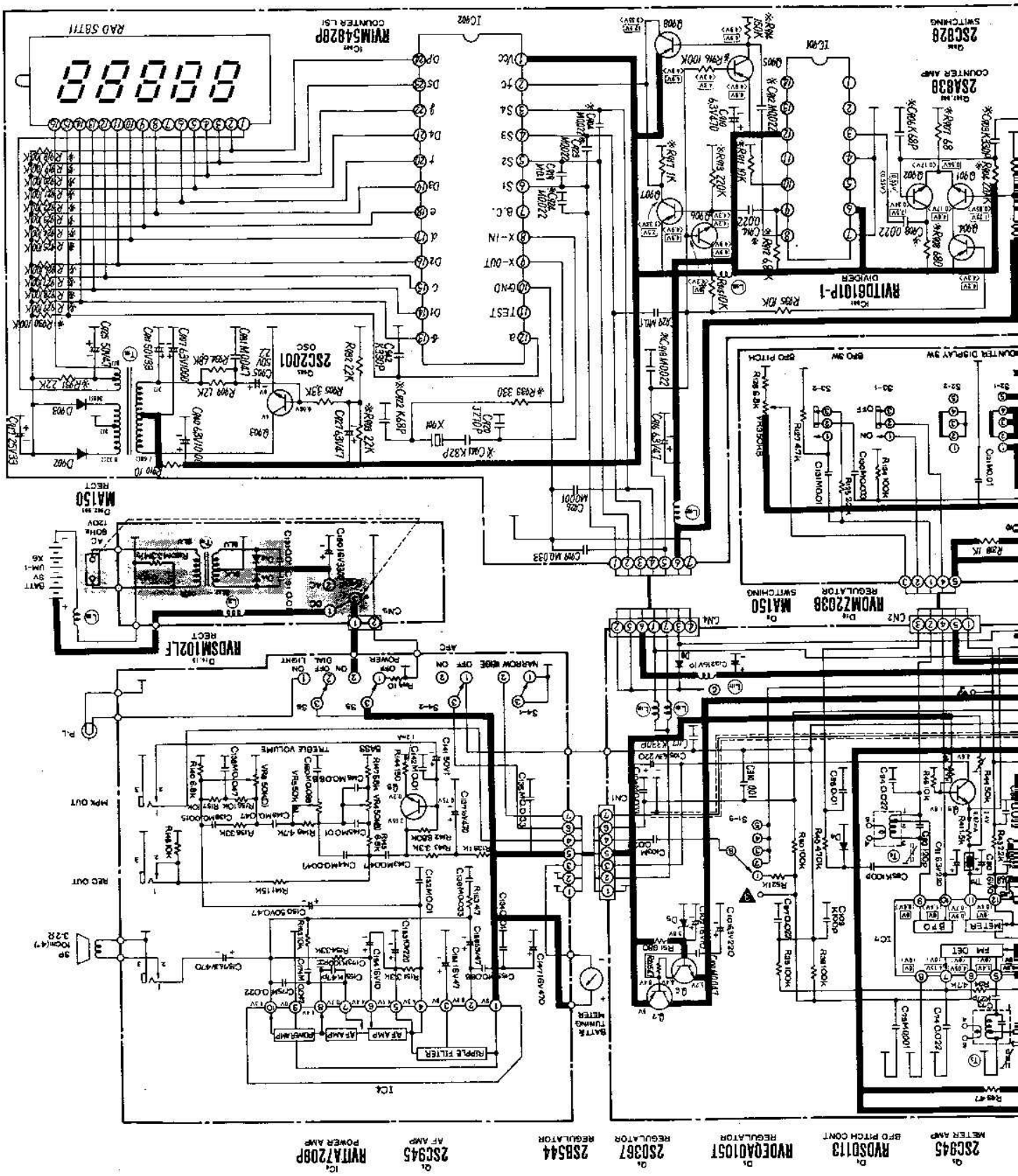
IC8	1	2	3	4	5	6	7	
FM	0.7V	0.7V	0.35V	0.15V	0.7V	0.7V	0V	
AM	5.2V	5.2V	4.6V	3.7V	5.2V	5.2V	0.95V	
	9	10	11	12	13	14	15	
FM	0V	0V	0V	0.2V	0.4V	0.4V	0.7V	
AM	1V	1.3V	0V	3.7V	4.5V	4.45V	5.2V	

Schematic Diagram – Mod



IMPORTANT SAFETY NOTICE

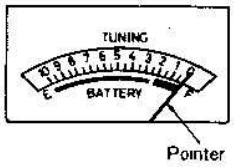
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR SAFETY.
WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.



■ TUNE/BATT METER ADJUSTMENT

1. RADIO RECEIVER SETTING
   - Set band switch to AM.
   - Set volume control MIN.
   - Set Power switch to ON.
   - Set BFO switch to OFF.
   - Set power source voltage to 9 volts DC.

2. REMARKS
   - Adjust R_{44} so that the pointer of meter stays as shown in figure right.



■ FM 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 TP1 through 0.001μF. Negative side to earth.	10.7 MHz	Point of non-interference.	Connect vert. amp. of scope to test point TP3. Negative side to earth.	T_5 (FM IFT)	Adjust for maximum amplitude. (Refer to fig. 17)
		FM-RF ALIGNMENT					
(2)	FM	Connect to EXT ANT. (FM) terminal through FM dummy antenna. (Refer to fig. 18).	90 MHz	90 MHz (Refer to fig. 25)	Output meter across voice coil.	L_5 (FM OSC Coil) L_2 (FM TUNE Coil)	Adjust for maximum output.
(3)	FM	〃	106 MHz	106 MHz (Refer to fig. 26)	〃	CT_{203} (FM OSC Trimmer) CT_{201} (FM TUNE Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).

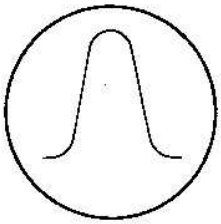


Fig. 17

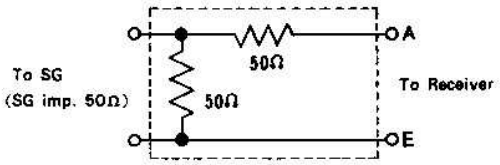


Fig. 18 FM Dummy Antenna

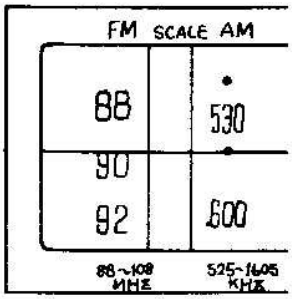


Fig. 19 AM (550 kHz)

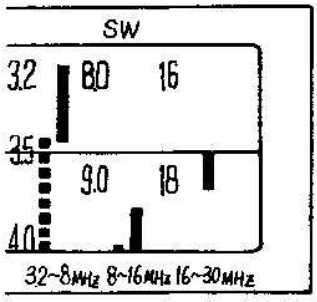


Fig. 21 SW (3.5 MHz)

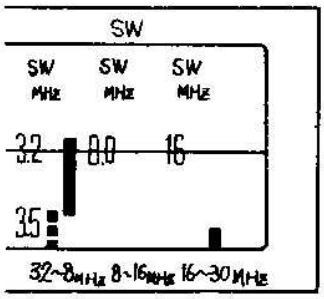


Fig. 23 SW (8 MHz) (16 MHz)

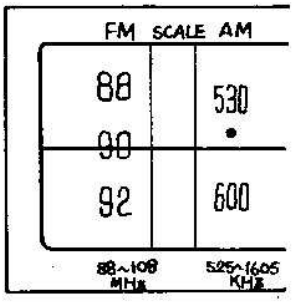


Fig. 25 FM (90 MHz)

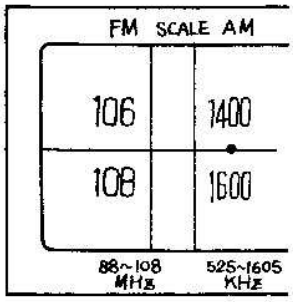


Fig. 20 AM (1500 kHz)

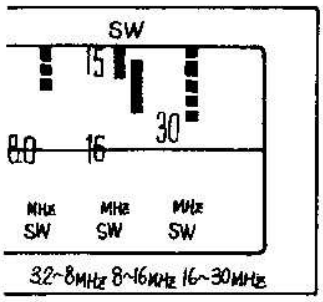


Fig. 22 SW (8 MHz) (16 MHz)

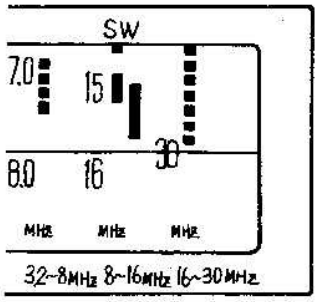


Fig. 24 SW (30 MHz)

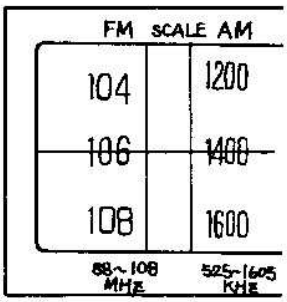


Fig. 26 FM (106 MHz)

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set power switch to ON.
3. Set bass and treble control to maximum.
4. Set band switch to AM, SW or FM.
5. Set digital display switch to OFF position.
6. Set AM/SW RF gain control to high.
7. Light switch to OFF position.
8. Set FM AFC/Band width switch to narrow, OFF position for the AM-IF, BFO, and FM adjustment, and to wide ON position for other adjustment.
9. Set pitch control to center.
10. Set BFO switch to ON position for BFO adjustment, and to OFF position for other adjustment.
11. Set SW Cal control to center.
12. Set power source voltage to 9V DC.
13. Output of signal generator should be no higher than necessary to obtain an output reading.

■ AM AND SW 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_7 (AM 1st IFT) T_1 (AM 2nd IFT) T_4 (AM 3rd IFT)	Adjust for maximum output.
	AM-RF ALIGNMENT						
(2)	AM	〃	550 kHz	550 kHz (Refer to fig. 19)	Output meter across voice coil	L_8 (AM OSC Coil) (＊) L_3 (AM ANT Coil)	Adjust for maximum output. Adjust L_3 by moving coil bobbin along ferrite core.
(3)	AM	〃	1500 kHz	1500 kHz (Refer to fig. 20)	〃	CT_{59} (AM OSC Trimmer) CT_{207} (AM ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	(＊) Cement antenna bobbin with wax after completing alignment.						
	SW-1st IF and 2nd OSC ALIGNMENT						
(4)	SW 3.2～8 MHz	Connect to EXT ant. terminal through ceramic capacitor (10 PF). Negative side to earth	2 MHz	Point of non-interference.	〃	L_7 (2nd OSC Coil) T_8 (SW 1st IFT) T_9 (SW 1st IFT)	Adjust for maximum output.
	SW (3.2～8 MHz)-RF ALIGNMENT						
(5)	SW 3.2～8 MHz	Connect to EXT ANT terminal.	3.5 MHz	3.5 MHz (Refer to fig. 21)	Output meter across voice coil.	L_{15} (SW OSC Coil) L_{12} (SW ANT Coil)	Adjust for maximum output.
(6)	SW 3.2～8 MHz	〃	8.0 MHz	8.0 MHz (Refer to fig. 22)	〃	CT_{206} (SW OSC Trimmer) CT_{23} (SW ANT Trimmer)	Adjust for maximum output. Repeat steps (5) and (6).
	SW (8～16 MHz)-RF ALIGNMENT						
(7)	SW 8～16 MHz	〃	8.0 MHz	8.0 MHz (Refer to fig. 23)	〃	L_{14} (SW OSC Coil) L_{11} (SW ANT Coil)	Adjust for maximum output.
(8)	SW 8～16 MHz	〃	16 MHz	16 MHz (Refer to fig. 22)	〃	CT_{49} (SW OSC Trimmer) CT_{25} (SW ANT Trimmer)	Adjust for maximum output. Repeat steps (7) and (8).
	SW (16～30 MHz)-RF ALIGNMENT						
(9)	SW 16～30 MHz	〃	16 MHz	16 MHz (Refer to fig. 23)	〃	L_{13} (SW OSC Coil) L_{10} (SW ANT Coil)	Adjust for maximum ouptut.
(10)	SW 16～30 MHz	〃	30 MHz	30 MHz (Refer to fig. 24)	〃	CT_{52} (SW OSC Trimmer) CT_{27} (SW ANT Trimmer)	Adjust for maximum output. Repeat steps (9) and (10).
	BFO ALIGNMENT **Note:** Set band width switch to "Narrow".						
(11)	SW 3.2～8 MHz	Fashion loop of several turns of wire and radiate signal into loop of receiver.	3.5 MHz	Tune to signal.	Audio output from speaker.	T_6 (BFO OSC Coil)	1. Cut off modulation after tune to signal. 2. Set BFO. switch to ON 3. Adjust for zero beat.

CABINET PARTS

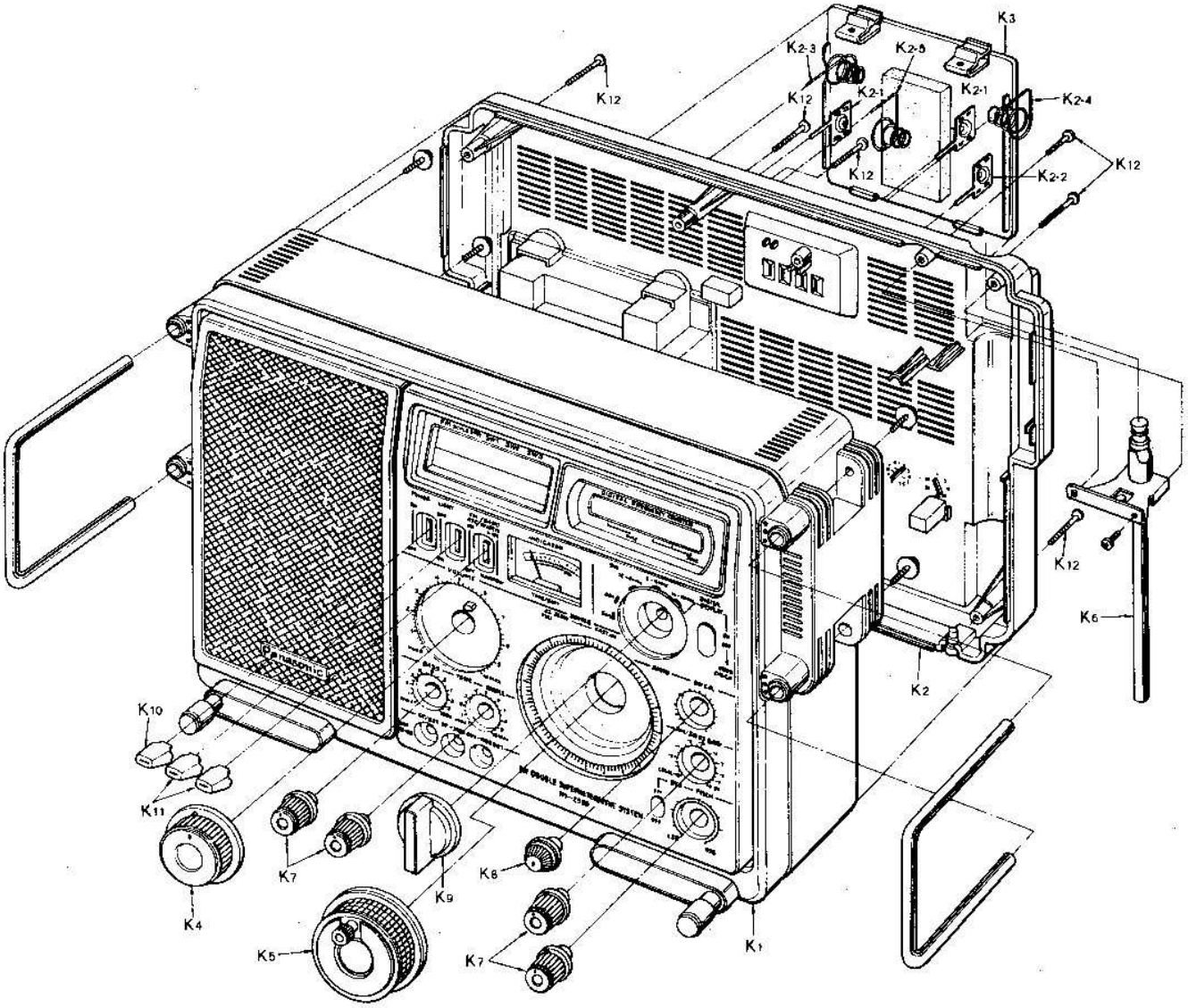


Fig. 27

CHASSIS PARTS

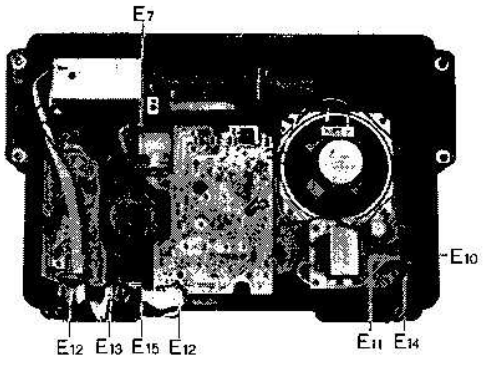


Fig. 28

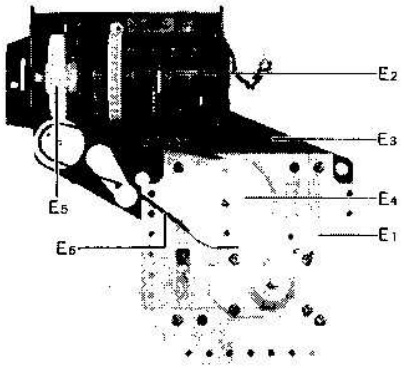


Fig. 29

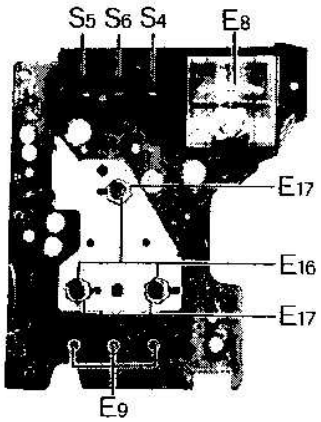


Fig. 30

■REPLACEMENT PARTS LIST····· Model RF-2900/©

(RD7811-1627C)

NOTES: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2. Components identified by shaded area have special characteristic important for safety.
When replacing any of these components use only manufacturer's specified parts.
3. The Ⓢ mark is service standard parts and may differ from production parts.
4. The ○ mark is used by the manufacturing plant only.

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
INTEGRATED CIRCUITS, TRANSISTORS AND DIODES					
IC4	RVITA7208P	IC,Power Amp.	1		
IC6	AN7210	IC,AM CONV. & FM/AM IF Amp.	1		
IC7	AN7211	IC,FM IF Amp. & FM/AM/SSB DET & METER Amp.	1		
IC8	AN7212	IC,SW 1st L.OSC & MIX	1		
IC901	RVITD6101P-1	IC,Divider	1		
IC902	RVIM54828P	IC,Counter LSI	1		
Q1,12	2SK49	Transistor(Ge),FM RF Amp.,FM INJ. Buffer	2		
Q2,3,4,907, 908	2SA838	Transistor(Ge),FM L.OSC,FM MIX, Switching,Counter Amp.	5		
Q5,8,10	2SC945	Transistor(Si),Meter Amp.,AF Amp. RF GAIN CONT.	3		
Q6	2SD367	Transistor(Si),Regulator	1		
Q7	2SB544	Transistor(Ge),Regulator	1		
Q9	2SK104	Transistor(Ge),AM RF Amp.	1		
Q11,902,904	2SC1047	Transistor(Si),FM Counter Buffer Counter Pre Amp.	2		
Q901,905	2SA564	Transistor(Ge),FM/AM Switching	2		
Q903	2SC2001	Transistor(Si),OSC & Power Amp.	1		
Q906	2SC828	Transistor(Si),FM/AM Switching	1		
D2,7,8,902, 903	MA161	Diode(Si),Gain CONT,Switching, RECT	5		Ⓢ
D3,4,6	RVDSD113	Diode(Si),Counter CAL,BFO Pitch CONT,AFC	3		Ⓢ
D5	RVDEQA0105T	Diode(Si),Regulator	1		
D9	RVDKB265F	Diode(Si),Regulator	1		
D10	RVDMZ203B	Diode(Si),Regulator	1		
D14,15	RVDSM102LF	Diode(Si),Rectifier	2		
THERMISTOR AND RECTIFIER					
Th1	RRT800	Thermistor	1		
Th2	RRT802	Thermistor	1		
CERAMIC FILTERS, COILS AND TRANSFORMERS					
CF1,2,3	RVF107MFR	Ceramic Filter	3		
CF4	RVFBFB455C2	Ceramic Filter	1		
CF5	RVFLFB6A	Ceramic Filter	1		
L2	RLD4M9	Detector Coil,FM	1		
L3	RLF2F152	Antenna Coil,MW	1		

PACKING & ACCESSORY PARTS

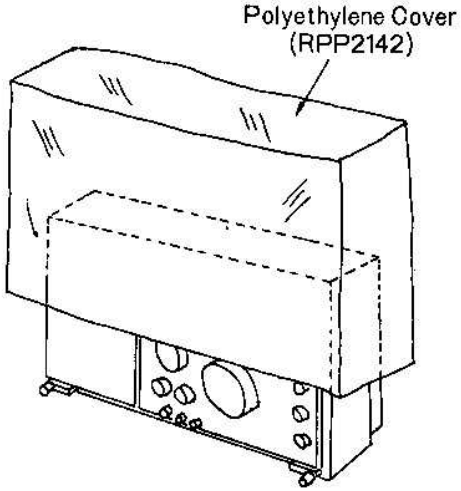


Fig. 31

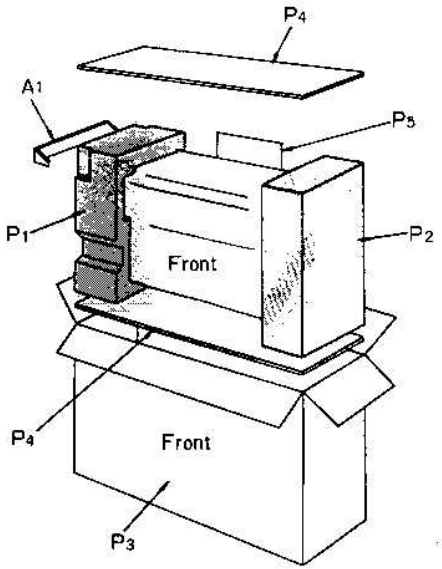


Fig. 32

CABINET PARTS

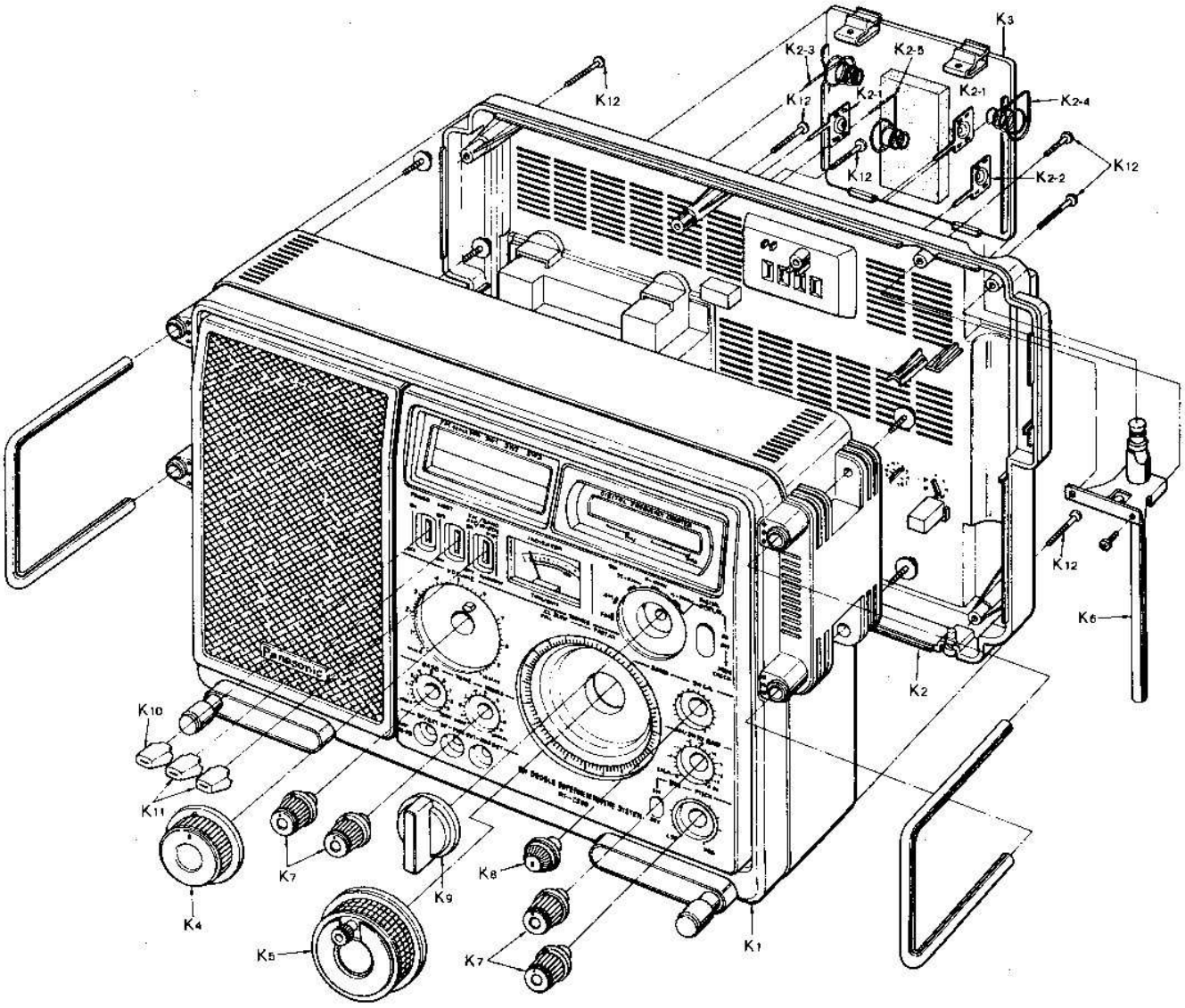


Fig. 27

CHASSIS PARTS

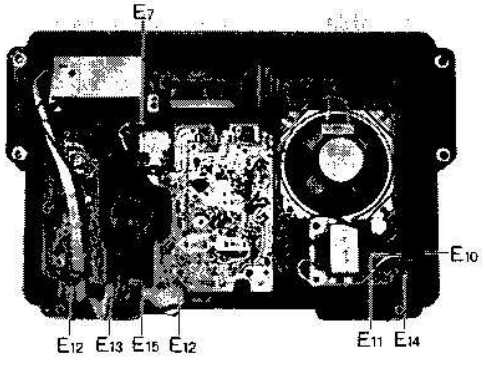


Fig. 28

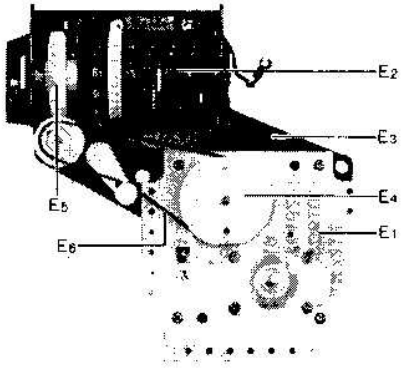


Fig. 29

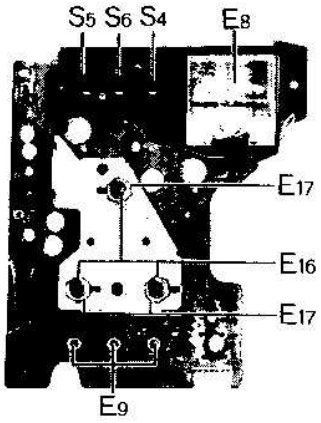


Fig. 30

■REPLACEMENT PARTS LIST····· Model RF-2900/©

(RD7811-1627C)

NOTES : 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
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4. The ○ mark is used by the manufacturing plant only.

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
INTEGRATED CIRCUITS, TRANSISTORS AND DIODES					
IC4	RVITA7208P	IC, Power Amp.	1		
IC6	AN7210	IC, AM CONV. & FM/AM IF Amp.	1		
IC7	AN7211	IC, FM IF Amp. & FM/AM/SSB DET & METER Amp.	1		
IC8	AN7212	IC, SW 1st L.OSC & MIX	1		
IC901	RVITD6101P-1	IC, Divider	1		
IC902	RVIM54828P	IC, Counter LSI	1		
Q1,12	2SK49	Transistor (Ge), FM RF Amp., FM INJ. Buffer	2		
Q2,3,4,907, 908	2SA838	Transistor (Ge), FM L.OSC, FM MIX, Switching, Counter Amp.	5		
Q5,8,10	2SC945	Transistor (Si), Meter Amp., AF Amp. RF GAIN CONT.	3		
Q6	2SD367	Transistor (Si), Regulator	1		
Q7	2SB544	Transistor (Ge), Regulator	1		
Q9	2SK104	Transistor (Ge), AM RF Amp.	1		
Q11,902,904	2SC1047	Transistor (Si), FM Counter Buffer Counter Pre Amp.	2		
Q901,905	2SA564	Transistor (Ge), FM/AM Switching	2		
Q903	2SC2001	Transistor (Si), OSC & Power Amp.	1		
Q906	2SC828	Transistor (Si), FM/AM Switching	1		
D2,7,8,902, 903	MA161	Diode (Si), Gain CONT, Switching, RECT	5		Ⓢ
D3,4,6	RVDSD113	Diode (Si), Counter CAL, BFO Pitch CONT, AFC	3		Ⓢ
D5	RVDEQA0105T	Diode (Si), Regulator	1		
D9	RVDKB265F	Diode (Si), Regulator	1		
D10	RVDMZ203B	Diode (Si), Regulator	1		
D14,15	RVDSM102LF	Diode (Si), Rectifier	2		
THERMISTOR AND RECTIFIER					
Th1	RRT800	Thermistor	1		
Th2	RRT802	Thermistor	1		
CERAMIC FILTERS, COILS AND TRANSFORMERS					
CF1,2,3	RVF107MFR	Ceramic Filter	3		
CF4	RVFBFB455C2	Ceramic Filter	1		
CF5	RVFLFB6A	Ceramic Filter	1		
L2	RLD4M9	Detector Coil, FM	1		
L3	RLF2F152	Antenna Coil, MW	1		

PACKING & ACCESSORY PARTS

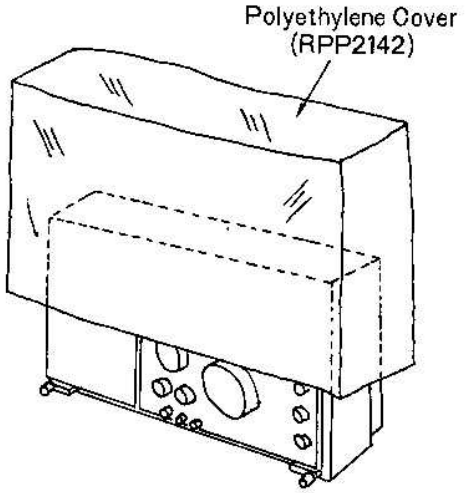

Fig. 31

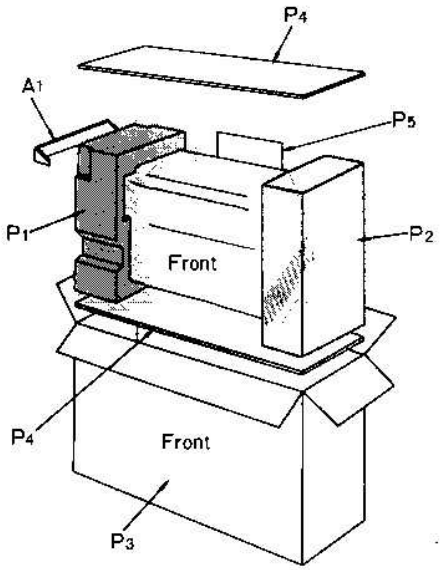

Fig. 32

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
L5	RLO4N105	Oscillator Coil,FM	1		
L7	RLO9M10	L.Oscillator Coil,SW 2nd	1		
L8	RLO2M14	L.Oscillator Coil,MW	1		
L10	RLD7M3	Antenna Coil,SW3	1		
L11	RLA3M30	Antenna Coil,SW2	1		
L12	RLA3M40	Antenna Coil,SW1	1		
L13	RLD4M5	L.Oscillator Coil,SW3	1		
L14	RLO3M49	L.Oscillator Coil,SW2	1		
L15	RLO3M48	L.Oscillator Coil,SW1	1		
T1	RLI2M212	IFT,AM	1		
T4	RLI2M205	IFT,AM	1		
T5	RLI4M101	Detector Coil,FM	1		
T6	RLO9M9	BFO	1		
T7	RLI2M204	IFT,AM	1		
T8	RLI9M3	1st IFT,SW	1		
T9	RLI9M4	1st IFT,SW	1		
T901	RLT9E2	Power Transformer,Display	1		
T10	RLT5J322A	Power Transformer	1		
		VARIABLE RESISTORS			
VR1,3,4	EVHOXAF15B54	Variable Resistor,50KΩ(B),CAL,BFO PITCH,BASS	3		
VR2,5	EVHOXAF15A54	Variable Resistor,50KΩ(A),RF GAIN, TREBLE	2		
VR6	EVHOXAF15D54	Variable Resistor,50KΩ(D),VOLUME	1		
VR44	EVLT4AA00B54	Preset,50KΩ(B), Meter Control	1		Ⓢ
		VARIABLE CAPACITORS			
C200,202,204 205	PVC22K20T5L	Tuning Capacitor,W/Trimmer Capacitor(C201,203,206,207)	1		
C23,59	RCV1PX10AGS	Trimmer Capacitor	2		
C25,27,49,52	RCV1PX30AGS	Trimmer Capacitor	4		
		COMPONENT COMBINATION AND CRYSTAL			
Z1	RXABPMF1	Component Combination,FM BAND PASS FILTER	1		
X901	RVCX5120N5Z	Crystal,X'tal	1		
		SPEAKER			
SP	EAS10P68S	Speaker,Imp.3.2Ω,10cm(4"), PM Dynamic	1		
		SWITCHES			
S1-1~S1-10	RSR98W	Switch,Band	1		
S2-1,S2-2	RSS69Z	Switch,Display Switch	1		

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
S3-1,S3-2	RSS2B03Z	Switch,BFO	1		
S4-1,S4-2, S5,6	RSTX003Y	Switch,Band Width/FM AFC, Power & Light	1		
		RESISTORS			
R1	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R2	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R3	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R4	ERD25TJ474	470KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R5	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R6	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R8	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R9	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R10	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R11	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R12	ERD25TJ474	470KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R13	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R15	ERD25TJ101	100Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R16	ERD25TJ220	22Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R17	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R18	ERD25TJ152	1.5KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R19	ERD25TJ332	3.3KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R21	ERD25TJ221	220Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R22	ERD25TJ122	1.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R23	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R24	ERD25TJ331	330Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R25	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R26	ERC12GM103	10KΩ, ½Watt, ±20%, Metal Oxide	1		Ⓢ
R30	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R32	ERD25TJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R33	ERD25TJ181	180Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R34	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R35	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R36	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R37	ERD25TJ392	3.9KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R38	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R39	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R40	ERD25TJ473	47KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R41	ERD25TJ152	1.5KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R42	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R43	ERD25TJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R45	ERD25TJ273	27KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R46	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R47	ERD25TJ152	1.5KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R48	ERD25TJ474	470KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R49	ERD25TJ470	47Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R50	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R51	ERD25TJ681	680Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R52	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R56	ERD25TJ474	470KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R122	ERD25TJ333	33KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R123	ERD25TJ124	120KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R124	ERD25TJ104	100KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R125	ERD25TJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R126	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
R127	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R139	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R140	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R141	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R142	ERD25TJ684	680KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R143	ERD25TJ332	3.3KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R144	ERD25TJ151	150Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R145	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R146	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R147	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R148	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R149	ERD25TJ100	10Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R151	ERD25TJ333	33KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R152	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R153	ERD25TJ4R7	4.7Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R154	ERD25TJ333	33KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R156	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R157	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R158	ERD25TJ333	33KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R160	ERC12GM335	3.3MΩ, ½Watt, ±20%, Metal Oxide	1		Ⓢ
R201	ERD25TJ471	470Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R202	ERD25TJ683	68KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R204	ERD25TJ684	680KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R205	ERD25TJ4R7	4.7Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R206	ERD25TJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R207	ERD25TJ472	4.7KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R208	ERD25TJ102	1KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R209	ERD25TJ153	15KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R210	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R901	RRD18XK223	22KΩ, ⅛Watt, ±10%, Chip	1		
R902	RRD18XK103	10KΩ, ⅛Watt, ±10%, Chip	1		
R903	RRD18XK222	2.2KΩ, ⅛Watt, ±10%, Chip	1		
R904	RRD18XK224	220KΩ, ⅛Watt, ±10%, Chip	1		
R905	RRD18XK332	3.3KΩ, ⅛Watt, ±10%, Chip	1		
R907	RRD18XK680	68Ω, ⅛Watt, ±10%, Chip	1		
R908	RRD18XK681	680Ω, ⅛Watt, ±10%, Chip	1		
R909	ERD25TJ122	1.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R910	ERD25TJ100	10Ω, ¼Watt, ±5%, Carbon	1		Ⓢ
R911	RRD18XK103	10KΩ, ⅛Watt, ±10%, Chip	1		
R912	RRD18XK682	6.8KΩ, ⅛Watt, ±10%, Chip	1		
R913	RRD18XK224	220KΩ, ⅛Watt, ±10%, Chip	1		
R914	RRD18XK154	150KΩ, ⅛Watt, ±10%, Chip	1		
R915	RRD18XK103	10KΩ, ⅛Watt, ±10%, Chip	1		
R916	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R917	RRD18XK102	1KΩ, ⅛Watt, ±10%, Chip	1		
R918	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R919	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R920	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R921	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R922	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R923	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R924	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R925	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R926	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R927	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R928	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R929	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
R930	RRD18XK104	100KΩ, ⅛Watt, ±10%, Chip	1		
R931	RRD18XK222	2.2KΩ, ⅛Watt, ±10%, Chip	1		
R932	ERD25TJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R933	RRD18XK331	330Ω, ⅛Watt, ±10%, Chip	1		
R934	ERD25TJ682	6.8KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
R935	ERD25TJ103	10KΩ, ¼Watt, ±5%, Carbon	1		Ⓢ
		CAPACITORS			
C1	ECCD1H220K	22PF, 50WV, ±10%, Ceramic	1		
C2	ECCD1H100KC	10μF, 50WV, ±10%, Ceramic	1		
C3	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1		
C4	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1		
C5	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1		
C7	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1		
C8	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1		
C9	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1		
C10	ECCD1H390KC	39PF, 50WV, ±10%, Ceramic	1		
C11	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	1		
C12	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1		
C13	ECEA1AS470	47μF, 10WV, Electrolytic	1		Ⓢ
C14	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1		
C15	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	1		
C16	ECKD1H223MD	0.022μF, 50WV, ±20%, Ceramic	1		
C17	ECEA2AS2R2	2.2μF, 100WV, Electrolytic	1		Ⓢ
C19	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	1		
C20	ECCD1H150KC	15PF, 50WV, ±10%, Ceramic	1		
C21	ECCD1H010C	1PF, 50WV, ±0.25PF, Ceramic	1		
C22	ECCD1H180KC	18PF, 50WV, ±10%, Ceramic	1		
C24	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1		
C26	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1		
C28	ECKD1H102MD	0.001PF, 50WV, ±20%, Ceramic	1		
C29	ECKD1H102MD	0.001PF, 50WV, ±20%, Ceramic	1		
C30	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	1		
C31	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1		
C32	ECEA1HS100	10PF, 50WV, Electrolytic	1		Ⓢ
C33	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1		
C34	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1		
C35	ECFVD223MD	0.022μF, 25WV, ±20%, Ceramic	1		
C36	ECQS05361JZ	360PF, 50WV, ±5%, Styrol	1		
C37	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1		
C38	ECEA1CS330	33μF, 16WV, Electrolytic	1		Ⓢ
C39	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	1		
C40	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1		
C43	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1		
C44	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	1		
C45	ECKD1H223MD	0.022μF, 25WV, ±20%, Ceramic	1		
C46	ECCD1H100KX	10PF, 25WV, ±10%, Ceramic	1		
C47	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1		
C48	ECQS05681JZ	680PF, 50WV, ±5%, Styrol	1		
C50	ECCD1H560K	56PF, 50WV, ±10%, Ceramic	1		
C51	ECQS05182KZ	1800PF, 50WV, ±10%, Styrol	1		
C53	ECMS05680JH	68PF, 50WV, ±5%, Mica	1		
C54	ECCD1H470KU	47PF, 50WV, ±10%, Ceramic	1		

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C55	ECQS05432JZ	4300PF, 50WV, ±5%, Styrol	1	
C56	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C60	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C62	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C65	ECQS05102KZ	0.001μF, 50WV, ±10%, Styrol	1	
C66	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C67	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C68	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C69	ECEA0JS471	470μF, 6.3WV, Electrolytic	1	Ⓢ
C70	ECFVD683MD	0.068μF, 25WV, ±20%, Semi-Conductor	1	
C71	ECKD1H223MD	0.022μF, 50WV, ±20%, Ceramic	1	
C72	ECFVD683MD	0.068μF, 25WV, ±20%, Semi-Conductor	1	
C73	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1	
C74	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C75	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C76	ECEA1ES470	47μF, 25WV, Electrolytic	1	Ⓢ
C78	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C79	ECEA1AS101	100μF, 10WV, Electrolytic	1	Ⓢ
C82	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C83	ECEA1CS330	33μF, 16WV, Electrolytic	1	Ⓢ
C84	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C85	ECEA1CS330	33μF, 16WV, Electrolytic	1	Ⓢ
C86	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C87	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C88	ECQG05223MZ	0.022μF, 50WV, ±20%, Polyester	1	
C89	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C90	ECEA1HS100	10μF, 50WV, Electrolytic	1	Ⓢ
C91	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C93	ECMS05121JH	120PF, 50WV, ±5%, Mica	1	
C94	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C95	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1	
C96	ECKD1H103ZK	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C97	ECKD1H223ZF	0.022μF, 50WV, +80 −20 %, Ceramic	1	
C100	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C101	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C102	ECEA1HS100	10μF, 50WV, Electrolytic	1	Ⓢ
C103	ECKD1H223MD	0.022μF, 50WV, ±20%, Ceramic	1	
C104	ECFVD333MD	0.033μF, 25WV, ±20%, Semi-Conductor	1	
C105	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C106	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1	
C107	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C108	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	1	
C109	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1	
C112	ECKD1H471KB	470PF, 50WV, ±10%, Ceramic	1	
C117	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1	
C118	ECFVD683MD	0.068μF, 25WV, ±20%, Semi-Conductor	1	
C119	ECCD1H181K	180PF, 50WV, ±10%, Ceramic	1	
C120	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	1	
C121	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C122	ECEA1HS100	10μF, 50WV, Electrolytic	1	Ⓢ
C130	ECFVD333MD	0.033μF, 25WV, ±20%, Semi-Conductor	1	
C131	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C134	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C135	ECFVD333MD	0.033μF, 25WV, ±20%, Semi-Conductor	1	
C136	ECFVD333MD	0.033μF, 25WV, ±20%, Semi-Conductor	1	
C137	ECEA1CS471	470μF, 16WV, Electrolytic	1	Ⓢ
C138	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C139	ECKD1H152MD	0.0015μF, 50WV, ±20%, Ceramic	1	
C141	ECEA2AS010	1μF, 100WV, Electrolytic	1	Ⓢ
C142	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C143	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C144	ECKD1H472MD	0.0047μF, 50WV, ±20%, Ceramic	1	
C145	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C146	ECFVD683MD	0.068μF, 25WV, ±20%, Semi-Conductor	1	
C147	ECEA1CS471	470μF, 16WV, Electrolytic	1	Ⓢ
C149	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C150	ECEA50ZR47	0.47μF, 50WV, Electrolytic	1	Ⓢ
C151	ECEA1ES470	47μF, 25WV, Electrolytic	1	Ⓢ
C152	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C153	ECEA1AS221	220μF, 10WV, Electrolytic	1	Ⓢ
C154	ECEA1HS100	10μF, 50WV, Electrolytic	1	Ⓢ
C155	ECCD1H470KC	47PF, 50WV, ±10%, Ceramic	1	
C156	ECEA1AS470	47μF, 10WV, Electrolytic	1	Ⓢ
C157	ECEA0JS471	470μF, 6.3WV, Electrolytic	1	Ⓢ
C159	ECQG05683MZ	0.068μF, 50WV, ±20%, Polyester	1	
C160	ECFVD683MD	0.068μF, 25WV, ±20%, Semi-Conductor	1	
C173	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1	
C174	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1	
C175	ECKD1H222MD	0.0022μF, 50WV, ±20%, Ceramic	1	
C190	ECEA1CS332	3300μF, 16WV, Electrolytic	1	Ⓢ
C191	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C192	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C303	ECCD1H010C	1PF, 50WV, ±0.25PF, Ceramic	1	
C304	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1	
C305	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	1	
C306	ECCD1H560K	56PF, 50WV, ±10%, Ceramic	1	
C307	ECFVD223MD	0.022μF, 25WV, ±20%, Semi-Conductor	1	
C308	ECCD1H010C	1PF, 50WV, ±0.25PF, Ceramic	1	
C309	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C310	ECKD1H103ZF	0.01μF, 50WV, +80 −20 %, Ceramic	1	
C311	ECKD1H223MD	0.022μF, 50WV, ±20%, Ceramic	1	
C312	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1	
C313	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C314	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C315	ECKD1H223MD	0.022μF, 50WV, ±20%, Ceramic	1	
C902	ECUX1H101KD	100PF, 50WV, ±10%, Chip	1	
C903	ECUX1H331KD	330PF, 50WV, ±10%, Chip	1	
C904	ECUX1H223MD	0.022μF, 50WV, ±20%, Chip	1	
C905	ECEA2AS2R2	2.2μF, 100WV, Electrolytic	1	Ⓢ
C906	ECUX1H680KC	68PF, 50WV, ±10%, Chip	1	
C907	ECEA0JS102	1000μF, 6.3WV, Electrolytic	1	Ⓢ
C908	ECUX1H223ZF	0.022μF, 50WV, +80 −20 %, Chip	1	
C910	ECEA0JS471	470μF, 6.3WV, Electrolytic	1	Ⓢ
C911	ECEA2AS3R3	3.3μF, 100WV, Electrolytic	1	Ⓢ
C912	ECUX1H223MD	0.022μF, 50WV, ±20%, Chip	1	
C914	ECUX1H223ZF	0.022μF, 50WV, +80 −20 %, Chip	1	
C916	ECEA1AS470	47μF, 10WV, Electrolytic	1	Ⓢ
C917	ECEA1VS330	33μF, 35WV, Electrolytic	1	Ⓢ
C918	ECUX1H223MD	0.022μF, 50WV, ±20%, Chip	1	
C919	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	1	
C920	ECQS05271JZ	270PF, 50WV, ±5%, Polyester	1	
C922	ECUX1H680KC	68PF, 50WV, ±10%, Chip	1	
C923	ECUX1H223MD	0.022μF, 50WV, ±20%, Chip	1	
C924	ECUX1H223MD	0.022μF, 50WV, ±20%, Chip	1	

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
C925	ECEA2AS4R7	4.7μF, 100WV, Electrolytic	1		Ⓢ
C927	ECEA1AS470	47μF, 10WV, Electrolytic	1		Ⓢ
C929	ECFVD104MD	0.1μF, 25WV, ±20%, Semi-Conductor	1		
C931	ECFVD473MD	0.047μF, 25WV, ±20%, Semi-Conductor	1		
C940	ECEA0JS102	1000μF, 6.3WV, Electrolytic	1		Ⓢ
C941	ECUX1H820KC	82PF, 50WV, ±10%, Chip	1		
C942	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1		
		CABINET			
K1	RYMF2900M	Cabinet Body Assembly	1		○
K2	RYFF2900M	Cabinet Cover Assembly	1		○
	RJF1065Z	Terminal, EXT. ANT.	2		
K2-1	RJC205B	Terminal, Battery ⊕ Side	2		
K2-2	RJC111A	Terminal, Battery ⊕ Side	1		
K2-3	RJC505Z	Terminal Spring, Battery ⊖ Side	1		
K2-4	RJC508Z	Terminal Spring, Battery ⊖ Side	1		
K2-5	RJC509Z	Terminal Spring, Battery ⊖ Side	1		
	RJT398A	Connecting Pipe, Battery Terminal ⊖ Side	1		
K3	RYNF2800M	Battery Cover Assembly	1		
K4	RYT1F2800N	Knob Assembly, Volume	1		
K5	RYT2F2800N	Knob Assembly, Tuning	1		
K6	XEART160GEY	Telescopic Antenna, 7 Steps, 960mm	1		
K7	RBN381Z	Knob, Bass, Treble, Pitch etc.	4		
K8	RBN420Z	Knob, SW cal	1		
K9	RBS112Z	Knob, Band	1		
K10	RBE13Y	Knob, Power	1		
K11	RBE13X	Knob, Light, FM AFC/Band Width	2		
	RHG886Y	Rubber, Speaker	1		
K12	XTN3+25C	Screw, Cabinet Cover M'tg	6		
		CHASSIS			
E1	RSG8ZS	Dial Mechanism Assembly	1		
E2	RYDF2800M	Dial Scale Assembly	1		
E3	RXEF2800M	Dial Scale Chassis Assembly	1		
E4	RDG5656Z	Gear, Dial	1		
E5	RDG5658Z	Gear, Dial Scale	1		
E6	RDV2Z	Belt, Dial	1		
E7	XAMR43S100A	Pilot Lamp, 9V, 60mA	1		
E8	RSM2616Z	Meter, Tune/Battery	1		
	RAD5-BT-11	Display	1		○
E9	RJJ62B	Jack, EP, EXT. SP., MPX-OUT, REC-OUT	3		Ⓢ
E10	RJJ112Z	Jack, AC IN	1		
	RUS313Z	Spring, IC4	1		
	RUS323Z	Spring, Dial Scale	1		
	RUS295Z	Spring, Dial Drum	1		
E11	RUV482Z	Cover, AC IN Jack	1		
	RJP119Z	Plug (7P), P.C. Board Socket	2		

Ref. No.	Part No.	Part Name & Description	Per Set		Remarks
	RJP116Z	Plug (5P), P.C. Board Socket	1		
	RJP137Z	Plug (3P), P.C. Board Socket	1		
	RJP142Z	Plug (6P), P.C. Board Socket	1		
E12	RJS219Y-X	Socket (7P), P.C. Board	2		
E13	RJS217Y-X	Socket (5P), P.C. Board	1		
E14	RJS253Y-X	Socket (3P), P.C. Board	1		
E15	RJS112Y-X	Socket (6P), P.C. Board	1		
	XYNR26+C6	Screw, Dial Gear M'tg	2		
E16	XNS8	Nut, Volume, Bass, Treble & etc. M'tg	6		
E17	XWS8AW	Washer, Volume, Bass, Treble & etc. M'tg	6		
	XUC2FY	Circlip, Shaft for Band SW	1		
	XUC6FY	Circlip, Dial Scale Gear M'tg	1		
	XXAR3H6S	Screw, Dial Scale Gear M'tg	2		
		ACCESSORIES			
	RJA22Y	Power Cord, AC	1		Ⓢ
	XEH1A1-P	Magnetic Earphone	1		Ⓢ
A1	RKE234Z	Hood, Dial	1		
	RQC9013Z	Belt, Cabinet	1		
		PACKING MATERIALS			
	RPN9227Z	Pad Complete	1		
P1	Not Available. Order RPN9227Z	Pad, Left Side	(1)		
P2		Pad, Right Side	(1)		
P3	RPG1994Z	Packing Case, For USA	1		○
P3	RPG1994Y	Packing Case, For Canada	1		○
P4	RPN1745Z	Pad	2		
P5	RQX6349Z	Instruction Book, For USA	1		○
P5	RQX6373Z	Instruction Book, For Canada	1		○
P5	RQX9154Z	SW Manual, For USA	1		○
P5	RQX9158Z	SW Manual, For Canada	1		○

15 Printed in U.S.