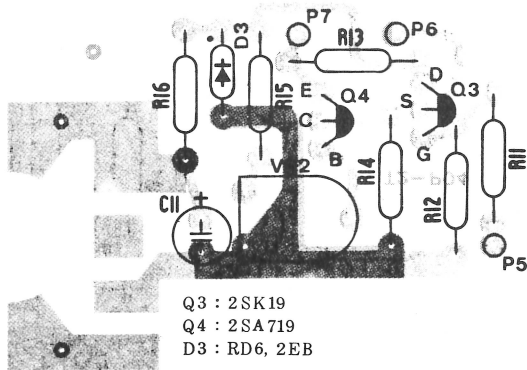
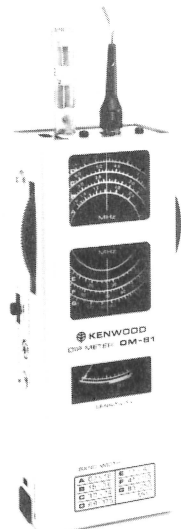
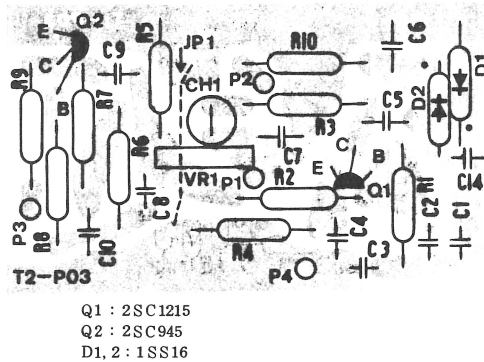


Resistor with no specified value are those of 1/4W and ± 5%. Also, the circuit elements may be changed without notice owing to a technical innovation.

AMP UNIT
(X73-1350-00)



HIGH FREQUENCY UNIT
(X84-1040-00)



DM-81
KENWOOD

ADJUSTMENT

VR1: 01 Bias adj.

By using G band, adjust VR1 so that the meter pointer deflection is maximum at 83MHz.

VR2: Meter zero adj.

Adjust VR2 so that the meter deflection is zero when the sensitivity control/power switch is set to just before the OFF position of the control.

VR3: Sensitivity adj.

Optimum position.

VR4: Battery voltage check adj.

Adjust VR4 so that the meter deflection comes to the left edge of the "B.C" zone at 7V when the FUNCTION switch is set to "B.C" position.

PARTS AND SERVICE

Ordering Spare Parts

When ordering replacement or spare parts for your equipment, be sure to specify the following:

Model and serial number.

Schematic number of the parts.

Printed circuit board number on which the part is located.

Part number and name, if known, and quantity desired.

Service

Should it ever become necessary to return this equipment for repair, pack in its original boxes and packing, and include a full description of the problems involved. Also include your telephone number. You need not return accessory items unless directly related to the service problem. Tag all returned items with your call for easy I.D.

Please mention the model and serial number of your unit in any correspondence, whether phone or written. For future reference, record this information in the space provided on the back cover of this manual.

NOTE:

When claiming warranty service, please include a photocopy of the bill of sale, or other proof of purchase showing the date of sale.

PARTS LIST**MAIN CHASSIS**

Ref. #	Part #	Description
	A01-0859-08	Case top
	A01-0860-08	Case bottom
	A09-0506-08	Coil case
	A10-0471-28	Chassis
	A29-0502-08	Top panel
	B20-0918-28	Dial scale
	B23-0602-08	Front glass
	B31-0719-08	Meter
	B40-0772-08	Name plate (serial #)
	B50-2920-00	Instruction manual
	C01-0191-08	Variable capacitor
	E11-0061-08	Pin jack
	E13-0101-05	Phone jack
	E18-0207-08	Crystal socket (FT-243)
	E18-0402-08	Crystal socket (HC-2511)

AMP UNIT (X73-1350-00)

Ref. #	Part #	Description
RESISTOR		
R11	RD14BB2E563J	Carbon resistor 56K Ω \pm 5% 1/4W
R12	RD14BB2E124J	Carbon resistor 120K Ω \pm 5% 1/4W
R13	RD14BB2E683J	Carbon resistor 68K Ω \pm 5% 1/4W
R14	RD14BB2E472J	Carbon resistor 4.7K Ω \pm 5% 1/4W
R15	RD14BB2E222J	Carbon resistor 2.2K Ω \pm 5% 1/4W
R16	RD14BB2E561J	Carbon resistor 560 Ω \pm 5% 1/4W
VR2	R12-2506-08	Semi-fixed resistor 5K Ω
VR3	R05-3002-08	Variable resistor (with SW) 10K Ω

	E29-0524-08	Probe
	E30-1839-08	Ground clip
	E91-0401-08	Battery snap
	F20-0619-08	Insulating plate
	H01-2914-08	Packing case (inside)
	H12-0533-08	Pad (formed styrene)
	H19-0507-08	Accessory box
	H25-0165-08	Polyethylene bag
	H25-0166-08	Polyethylene bag
	J19-0477-08	Battery holder
	J21-1460-08	Coil mounting hardware
	J21-1461-08	Variable capacitor mounting hardware
	J25-1279-08	Printed circuit board
	K29-0254-08	Push-button
	K29-0255-08	Dial
	L37-0017-08	Coil A
	L37-0018-08	Coil B
	L37-0019-08	Coil C
	L37-0020-08	Coil D
	L37-0021-08	Coil E
	L37-0022-08	Coil F
	L37-0369-08	Coil G

CAPACITOR		
C11	CE04W1C100	Electrolytic 10 μ F 16WV
SEMI-CONDUCTOR		
		FET 2SK19 (GR)
		Transistor 2SA719
		Zener diode RD-6, 2EB
MISCELLANEOUS		
	K29-0256-08	Knob
	J25-2888-08	Printed circuit board

HIGH FREQUENCY UNIT (XB4-1040-00)

Ref. #	Part #	Description
RESISTOR		
R1	RD14BB2E562J	Carbon resistor 5.6K Ω \pm 5% 1/4W
R2,6,7	RD14BB2E124J	Carbon resistor 120K Ω \pm 5% 1/4W
R3	RD14BB2E222J	Carbon resistor 2.2K Ω \pm 5% 1/4W
R4	RD14BB2E471J	Carbon resistor 470 Ω +5% 1/4W

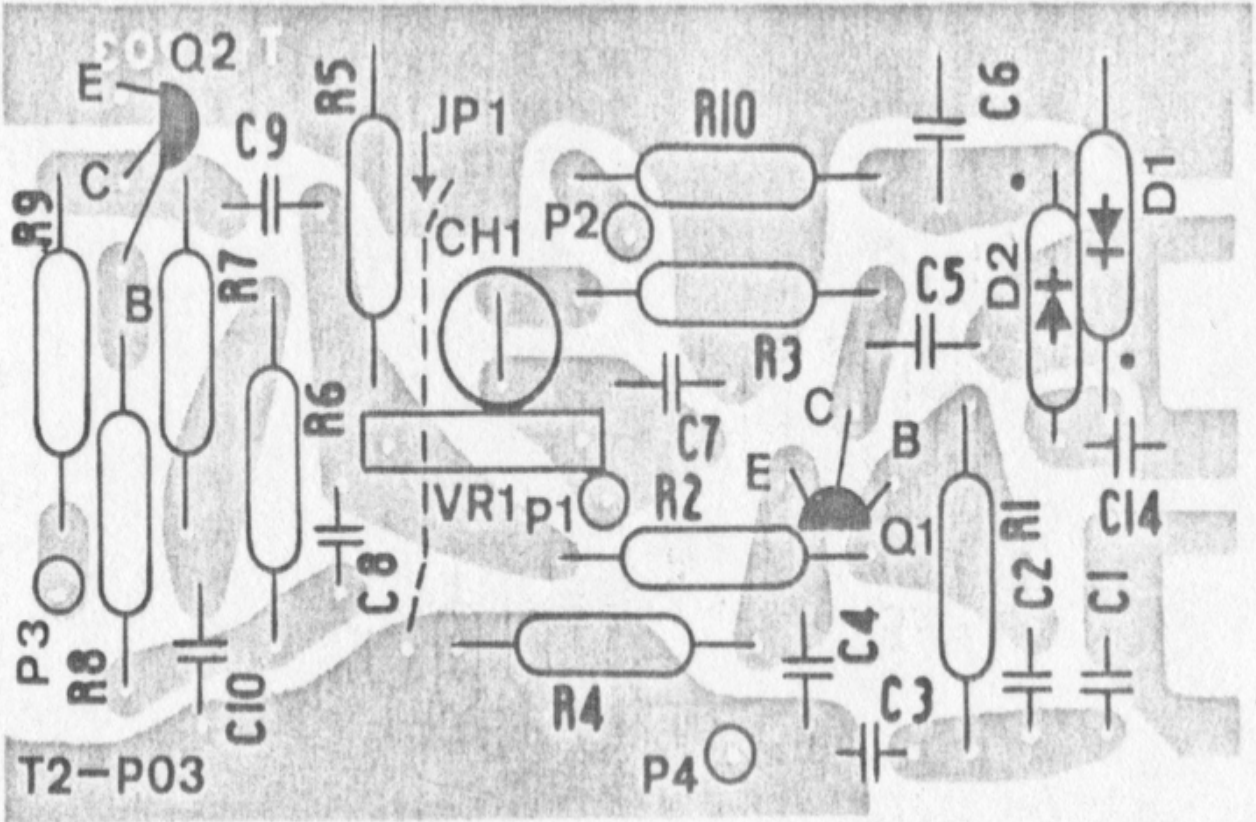
		Battery 006P 9V
C12	CC45SL2H050C	Ceramic capacitor 5pF 500WV
C13	CK45D1H103M	Ceramic capacitor 0.01 μ F \pm 20%
R17	RD14BB2E393J	Carbon resistor 39K Ω \pm 5% 1/4W
VR4	R12-3513-08	Semi-fixed resistor 20K Ω B
	T18-0052-08	Earphone
	S32-2001-15	Slide switch
	X73-1350-00	AMP unit
	X84-1040-00	High frequency unit

R5,8	RD14BB2E103J	Carbon resistor 10K Ω \pm 5% 1/4W
R9	RD14BB2E472J	Carbon resistor 4.7K Ω \pm 5% 1/4W
R10	RD14BB2E221J	Carbon resistor 220 Ω \pm 5% 1/4W
VR1	R12-3511-08	Semi-fixed resistor 20K Ω B
CAPACITOR		
C1	CC45SL1H470J	Ceramic 47pF \pm 5%
C2	CC45SL1H030C	Ceramic 3pF \pm 0.25pF
C3	CC45SL1H010C	Ceramic 1pF \pm 0.25pF
C4	CK45D1H103M	Ceramic 0.01 μ F \pm 20%
C5,7	CK45D1H102M	Ceramic 0.001 μ F \pm 20%
C6	CC45SL1H101J	Ceramic 100pF \pm 5%
C8-10	CQ92M1H472K	Mylar 4700pF \pm 10%
C14	CC45SL1H050C	Ceramic 5pF \pm 0.25pF
SEMI-CONDUCTOR		
Q1		Transistor 2SC1215 (S)

Q2		Transistor 2SC945 (K)
D1,2		Diode 1SS16
MISCELLANEOUS		
	L33-0262-08	Feri-inductor 2mH
	J25-2887-08	Printed circuit board

PRINTED CIRCUIT BOARDS

HIGH FREQUENCY UNIT (X84-1040-00)



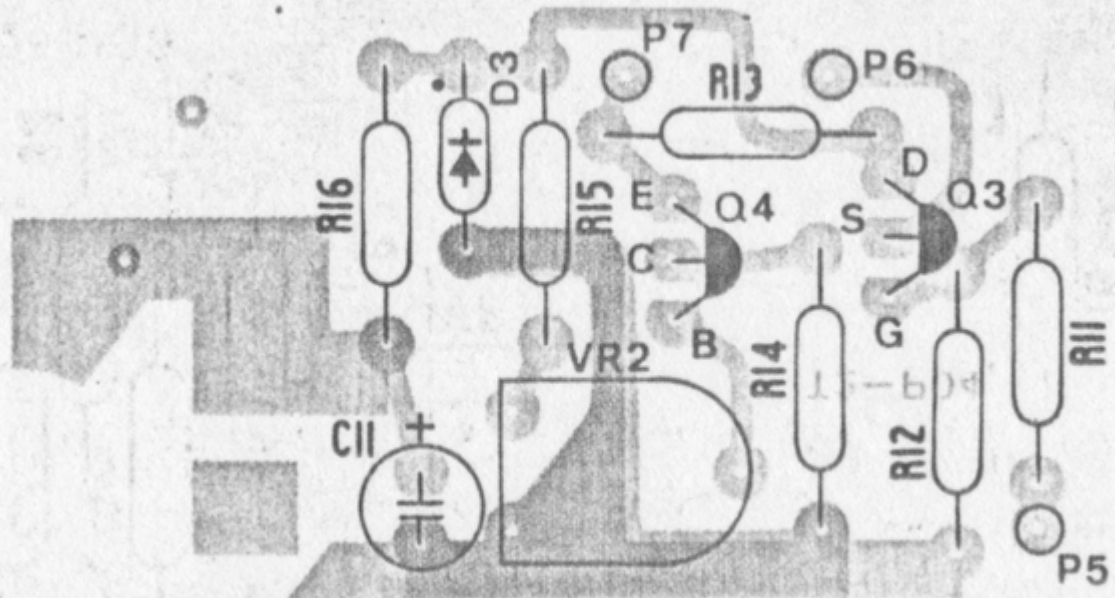
Q1 : 2SC1215

Q2 : 2SC945

D1, 2 : 1SS16

AMP UNIT

(X73 - 1350 - 00)



Q3 : 2SK19
 Q4 : 2SA719
 D3 : RD6, 2EB