

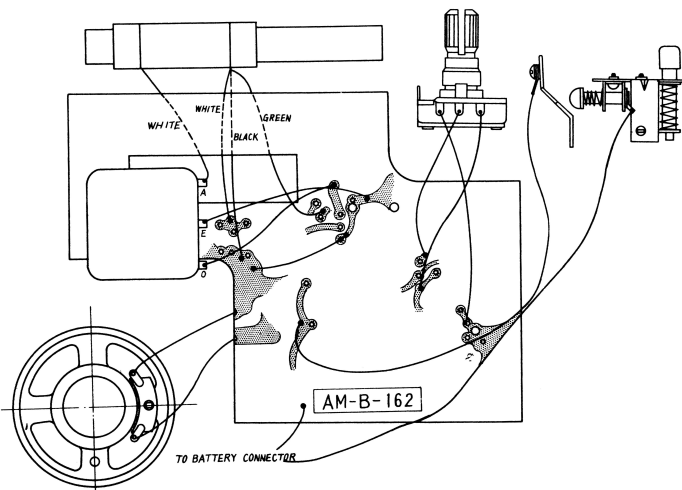
REPLACEMENT PARTS

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
VR	AM-VR-118	Variable Resistor, 5kΩ, "A" curve	T1	AM-T-819	Input Transformer, 5kΩ: 2.5kΩ(CT)
VC	AM-VC-86	Variable Capacitor, 2 gang, tracking-less	T2	AM-T-207	Output Transformer, 180Ω(CT): 8Ω
L1	AM-LA-169	Bar Antenna Coil, 630μH	SP	AM-P-67	Speaker, 2-1/2", z=8Ω
L2	AM-LO-115	Oscillator Coil, 360μH	Batt	UM-3A	Battery, 1.5V x 4, 6V
L3	AM-LI-56	IF Transformer, 50kΩ: 500Ω	B	AM-B-162	Printed Board
L4	AM-LI-57	IF Transformer, 30kΩ: 500Ω		AM-Z-6	Battery Connector
L5	AM-LI-61	IF Transformer, 15kΩ: 5kΩ			

REPLACEMENT PARTS

Symbol No.	Description	Symbol No.	Description	Symbol No.	Description
Q1	TRANSISTORS	R6	3.9kΩ	C2	Mylar, 0.0047
Q2	2SA15	R7	15kΩ	C3	Electrolytic, 10, 3vw
Q3	2SA12	R8	1kΩ	C4	Ceramic, 5pf
Q4	2SA12	R9	820Ω	C5	" 0.02
Q5	2SB75	R10	4.7kΩ	C6	" 0.02
Q6	2SB77	R11	15kΩ	C7	" 2pf
Q6	2SB77	R12	5.6kΩ	C8	" 0.02
D	DIODE	R13	820Ω	C9	" 0.01
	1N34A	R14	68kΩ	C10	" 0.01
	RESISTORS	R15	150Ω	C11	Electrolytic, 1, 6vw
	Fixed compositions, 1/4w, †10%, unless otherwise specified.	R16	2.7kΩ	C12	" 30, 3vw
R1	3.3kΩ	R17	56Ω	C13	Mylar, 0.0047
R2	18kΩ	R18	3.3Ω	C14	" 0.0047
R3	1.8kΩ		CAPACITORS	C15	Electrolytic, 100, 6vw
R4	82kΩ				
R5	560Ω	C1	Ceramic, 0.02		
			All capacitor values in μf unless otherwise specified.		

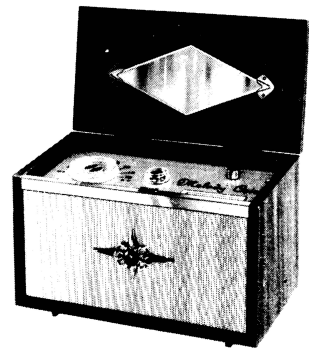
LEADS DRESSING



# CROWN SERVICE MANUAL

## MW-BAND 6-TRANSISTOR RADIO BANK

# MODEL HT-430



### SPECIFICATIONS

MODEL:  
HT-430

CIRCUIT:  
6 Transistor, MW Band, Superheterodyne

MAIN PARTS:

- Transistor ..... 2SA15 (converter)
- 2SA12 x 2 (IF amplifier)
- 2SB75 (AF amplifier)
- 2SB77 x 2 (power amplifier)
- Diode ..... 1N34A (detector)
- Bar Antenna ..... ferrite, 6 x 12 x 54m/m
- Variable Condenser 2 gang, tracking-less, Poly.
- Speaker ..... 2-1/4", P. D., z=8Ω
- Variable Resistor . 5kΩ, "A" curve
- Cabinet ..... wood
- Dial ..... direct drive

RATING & PERFORMANCE:

- Frequency Range .. 535 - 1605kc
- IF ..... 455kc
- Output Power ..... undistorted: 200mW or over
- maximum: 240mW or over

- Power Source ..... 6V, penlight battery x 4
- Sensitivity (maximum) 48dB, ±4dB (input=1000kc, output=10mW)
- Sensitivity (usable) ... 48dB, ±4dB (S/N=10dB, input=1000kc)
- S/N Ratio ..... 24dB, ±4dB (input=60dB, 1000kc)
- Selectivity ..... more than 26dB (detuning ±10kc)
- Electrical Frequency Response . 400 - 3000c/s, -5dB
- Current Consumption . no signal time:9mA, ±5mA
- usable output:80mA, ±5mA
- maximum output: 90mA, ±10mA
- Non-working Voltage . 3V or lower

OTHERS:

- Dimensions ..... 3-7/16 x 6-1/8 x 3-7/16 inch
- Weight ..... 1.2 lbs (with battery)

# C10 CROWN MODEL HT-430

## REPLACEMENT PARTS

Stock No.	Part No.	Description	Stock No.	Part No.	Description
1	H506-1001	Cabinet - wood	13	H506-2001	Switch Assembly (coin switch)
2	H506-1002	Inner Board - styrole, for control panel (5)	14	P101-209	Speaker Retainer (3 req'd)
3	H506-1003	Tuning Knob	15	P406-209	Bar Antenna Holder - Plastic
4	H506-1004	Volume Knob	16	P248-319	Wedge - for bar antenna retainer
5	H506-1005	Control Panel	17	H506-2002	Packing - cloth, for speaker grille (6)
6	H506-1006	Speaker Grille	18	H506-2003	Switch Cover - for switch assembly (13)
7	H506-1007	Dressing Band w/letters "CROWN"	19	H506-2004	Pressure Plate - coin holding knob (3)
8	H506-1008	Dressing Plate - for tuning knob (3)	22	H506-3001	Name-label - for cabinet rear
9	H506-1009	Dressing Plate - for volume knob (4)			

SWITCH ASSEMBLY Stock No. : 13  
Part No. : H506-2001

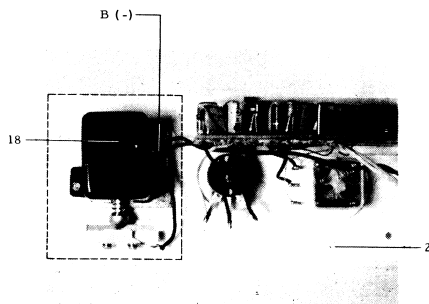


Fig. 1

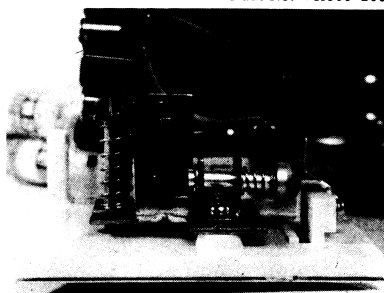
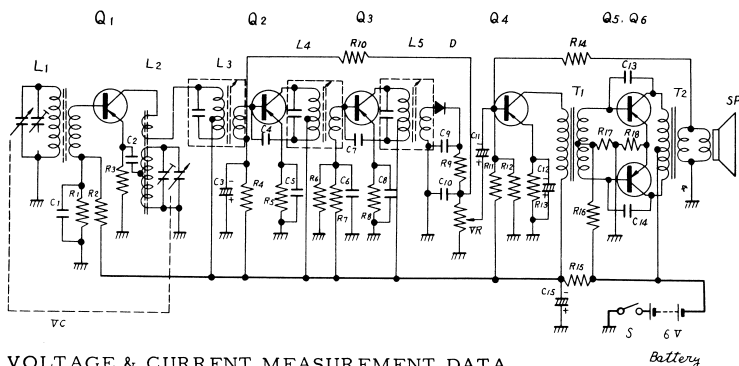


Fig. 2

### SCHEMATIC DIAGRAM



### VOLTAGE & CURRENT MEASUREMENT DATA

	Q1	Q2	Q3	Q4	Q5	Q6
Collector (V)	5.51	5.5	5.6	4.5	6	6
Emitter (V)	0.8	0.24	1.0	1.2		
Emitter (A)	450 $\mu$	430 $\mu$	1m	1.4m		

Voltages measured by test-meter (DC 20k $\Omega$ /V) at no signal time.

Fig. 3

### CHASSIS LAYOUT (Component Side)

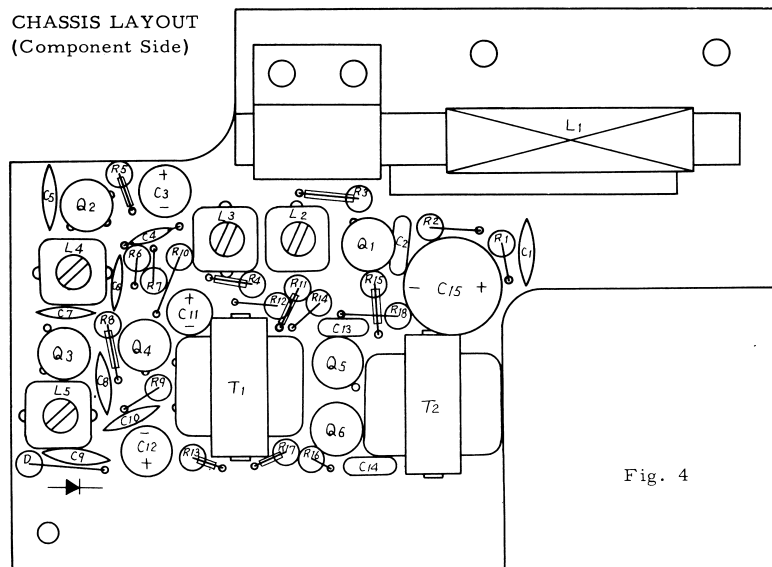


Fig. 4

### CHASSIS LAYOUT (Wiring Side)

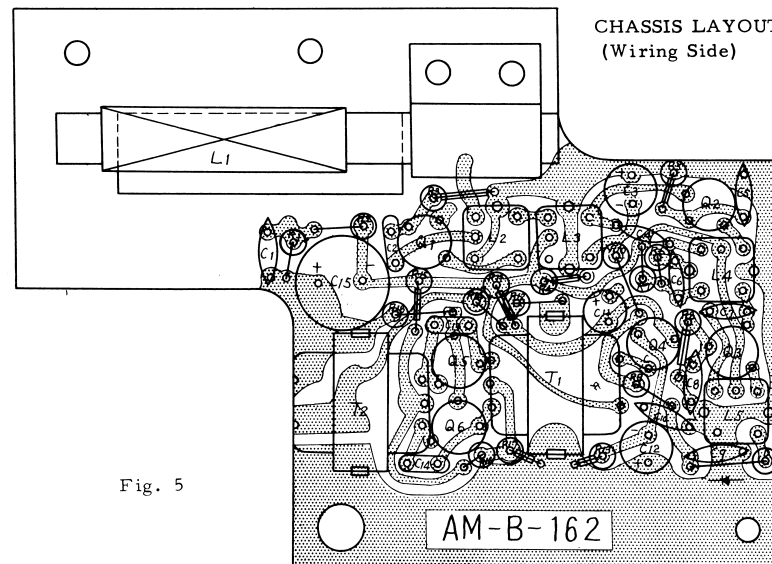


Fig. 5