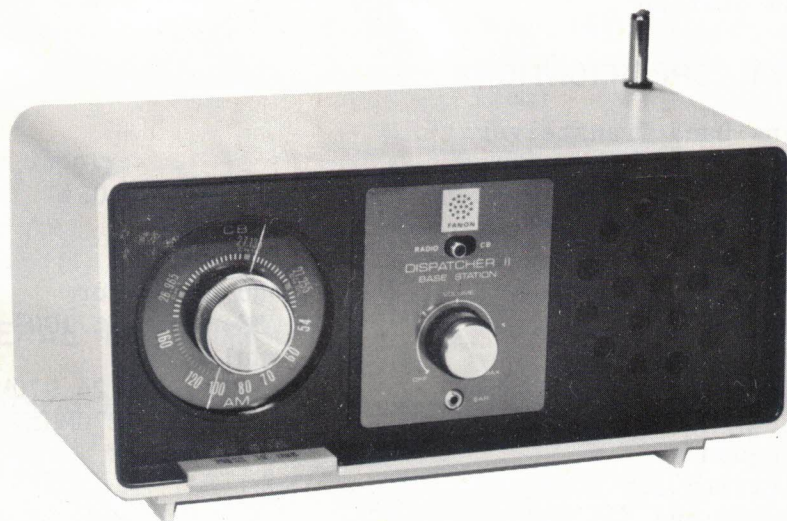




DISPATCHER II

**CITIZENS BAND TRANSCEIVER
WITH AM RADIO**

23 CHANNEL VARIABLE CB TUNER



INSTRUCTION MANUAL

SPECIFICATIONS

FANON MODEL DISPATCHER II

GENERAL FEATURES

- * Channel 14 CB Transceiver
- * Twenty three Channel CB Receiver
- * AM Radio Receiver
- * Sensitive Superheterodyne Receiver Circuits
- * Variable CB + AM Tuning Control
- * Variable Volume Control
- * Earphone Jack
- * External AC Adapter Jack
- * Press-to-Talk Bar
- * Base Station

NOMINAL SPECIFICATIONS

Citizens Band Transceiver:

Transmitter Frequency-	27.125MHz $\pm$.005%
RF Power Output-	40mW
Modulation Capability-	90%
Spurious Suppression-	-30db or better
DC Power-	9 VDC, 50mA at 100% modulation
Receiver Frequency Range-	Tunable from 26.970MHz through 27.270MHz
IF Frequency-	455KHz $\pm$ 2KHz
Sensitivity for 50mW at 1 KHz and 30% Mod.-	15db
Audio Output at 10% distortion-	150mW

AM Receiver:

Tuning Range-	525KHz through 1620KHz
IF Frequency-	455KHz $\pm$ 2KHz
Sensitivity at 20db S+N/N-	50db

AM Receiver: (Continued)

Audio Power Output- 200mW
Spurious Response- 40db
Audio Frequency Response- 400Hz to 2500Hz

Semiconductors:

11 transistors and 3 diodes

Antenna:

Built-in telescopic

Controls:

Volume Control with Power ON/OFF switch; AM/CB Tuning Control and CB Transmit Press-to-Talk Bar

Weight:

1 lb. 12 oz.

Dimensions:

9-7/8" (W) x 4-3/4" (H) x 4-3/4" (D) (25cm x 12cm x 12cm)

Power Supply:

9 VDC, 6 "D" cells or optional FANON Model PEC-1B, AC Adapter (Batteries not supplied)

GENERAL DESCRIPTION

The DISPATCHER II is a combination of a 23 channel tunable CB receiver, a powerful AM radio and a channel 14 CB transmitter.

The unit is battery operated, completely self-contained and is equipped with an eight section telescoping CB antenna. A high gain ferrite antenna is used for AM reception.

No license is required to operate the DISPATCHER II since the unit conforms to all the FCC regulations for CB transceivers of this type. DISPATCHER II may be used in conjunction with any walkie-talkie which operates on channel 14.

Be sure to read the following operating instructions before placing your station on the air.

INSTALLATION

Battery Installation

Open the battery compartment by sliding the two latches UP and lifting the cover out. (See Figure 1.) Observe the polarity carefully before installing 6 "D" cells. Replace the compartment cover and fasten the latches.

Inspect the batteries after approximately 100 hours of operation or 30 days. If the DISPATCHER II is stored or will not be used for any length of time (30 days or more) the batteries should be removed.

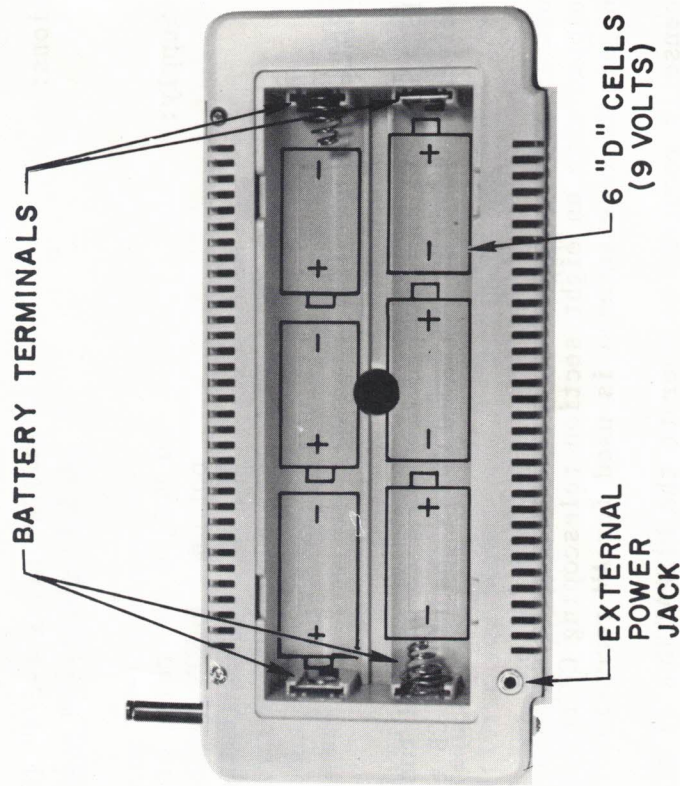


FIGURE 1, BATTERY INSTALLATION DIAGRAM

Operation

AM Radio

1. Set the AM/CB Switch to the AM position.
2. Rotate the VOLUME Control clockwise approximately 1/2 turn.
3. Rotate the TUNING Dial to the desired broadcast station. Readjust the VOLUME to the desired level.

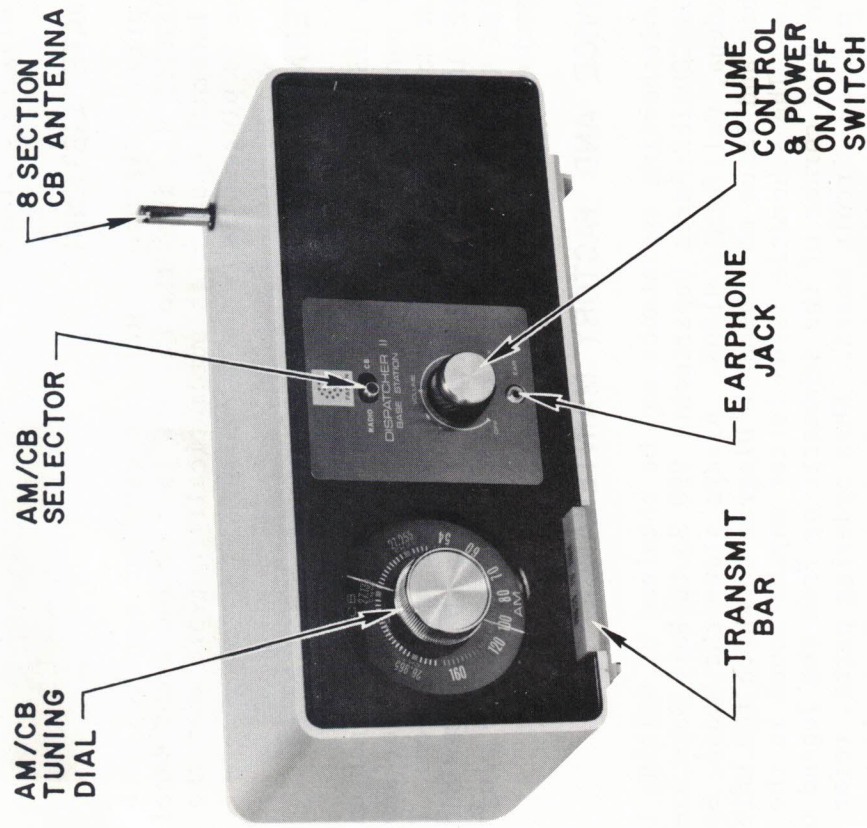


FIGURE 2, FRONT PANEL CONTROLS

CB Radio

1. Extend the 8 section antenna to its full length.
2. Set the AM/CB Switch to the CB position.
3. Rotate the TUNING Dial and listen for an incoming signal.
4. To transmit, hold the PRESS-to-TALK bar down and speak into the speaker/microphone approximately 3 to 4 inches away, in a normal tone and level of voice. You do not have to shout. Release the PRESS-to-TALK bar and listen for the reply.
5. To receive the reply from a channel 14 station set the dial to 27.125MHz.

PRIVATE LISTENING

For private listening, plug the earphone supplied with your DISPATCHER II, into the EXT SPK jack on the front panel. The internal speaker is automatically cut-off when the earphone is plugged in.

EXTERNAL POWER SUPPLY

Your DISPATCHER II is equipped with an external jack on the rear panel, for connecting an external 9 volt power supply. The FANON Model PEC-1B is designed for this application. The power supply operates from any 117 VAC, 60 Hz power outlet, and is supplied with a 6 foot cable and miniature plug for connections to the EXT PWR jack.

SERVICE AND FACTORY MAINTENANCE

Troubleshooting assistance may be obtained by writing to the FANON/COURIER Parts Department, 990 South Fair Oaks Avenue, Pasadena, California 91105. Always state the Model, Serial Number and Issue of Schematic Diagram to which the unit was built. The schematic issue letter may be found in the lower right hand corner of the schematic or from the legend on the printed circuit board. When ordering parts, refer to the part number listed in the Replacement Parts List and give a description of the part.

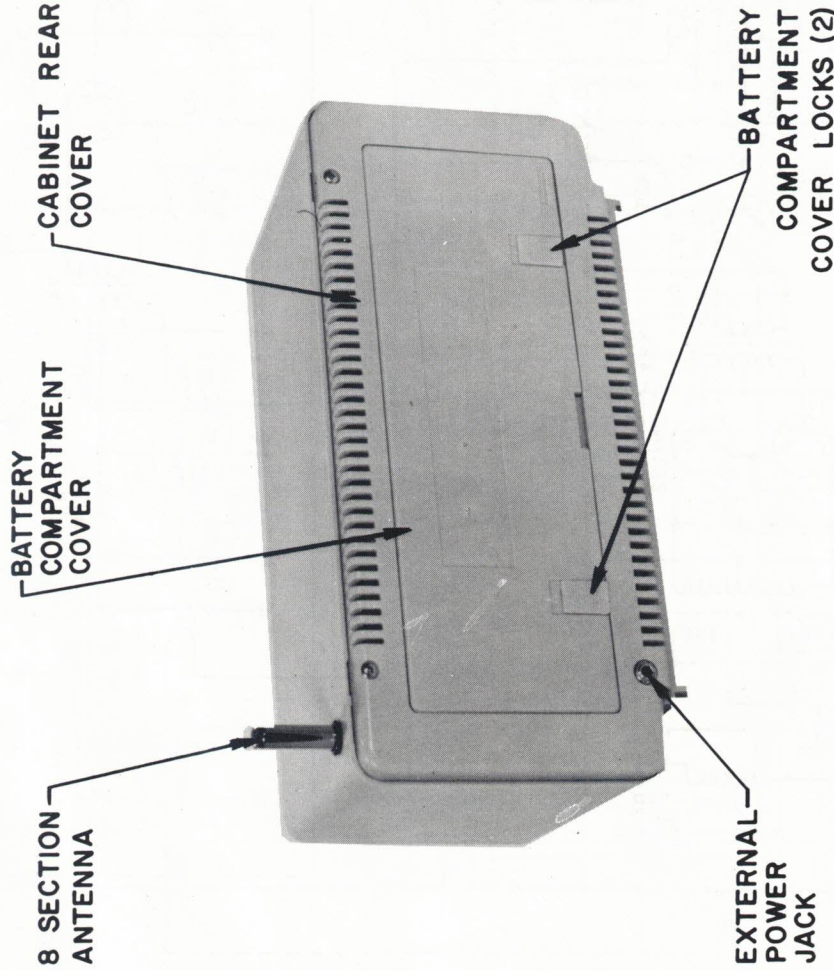
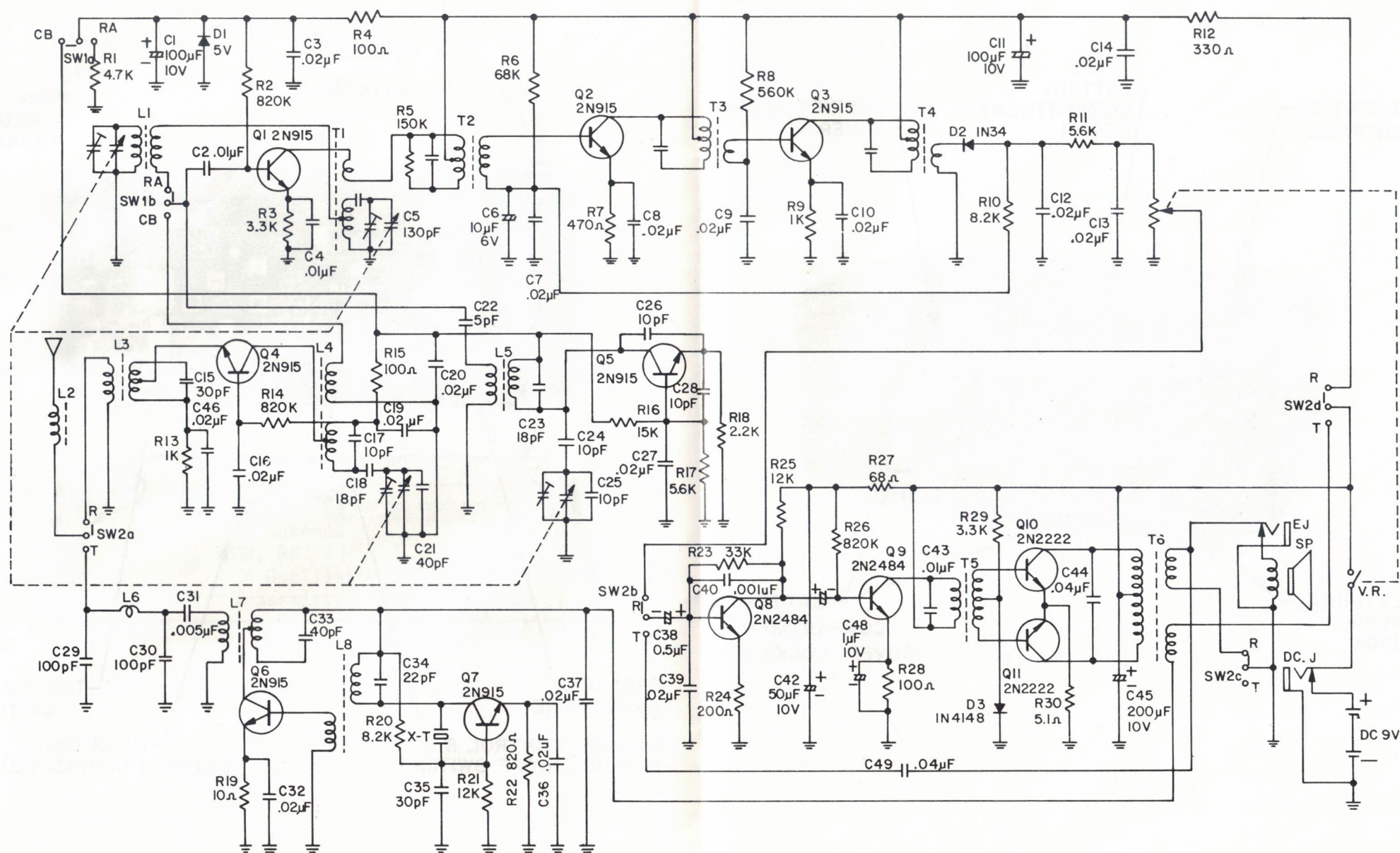


FIGURE 4, CABINET COMPONENTS, REAR VIEW



ISSUE A

SCHEMATIC DIAGRAM, MODEL DISPATCHER II

SPECIAL REPLACEMENT PARTS LIST

SYMBOL	DESCRIPTION	PART NUMBER
SOLID STATE DEVICES		
Q1,2,3,4,5,6,7	Transistor, 2N915	2019-43
Q8,9	" 2N2484	2034-02
Q10,11	" 2N2222	2019-44
DIODES		
D1	Zener, 5V	2034-03
D2	Diode, 1N34	DI-1
D3	" 1N4148	2019-45
COILS AND TRANSFORMERS		
T1	Coil, AM oscillator	2034-81
T2,3	Transformer, AM I.F. 455KHz	2025-20
T4	" AM I.F. 455KHz	2025-22
T5	" Audio Input	2019-14
T6	" Audio Output	2025-23
L1	Coil, AM Antenna	2034-07
L2	" RF Loading	2034-10
L3	" CB Antenna	2034-11
L4	" CB, RF	2034-12
L5	" CB Oscillator	2034-13
L6	" Transmitter Choke	2034-14
L7	" " RF	2034-15
L8	" " Oscillator	2034-16
CRYSTAL		
	27.125MHz (Channel 14)	2025-17
CAPACITORS		
C22	5pF, Ceramic	1059-10
C17,24,25,26,26,28	10pF, "	2028-08
C18,23	18pF, "	2027-10
C34	22pF, "	2027-11

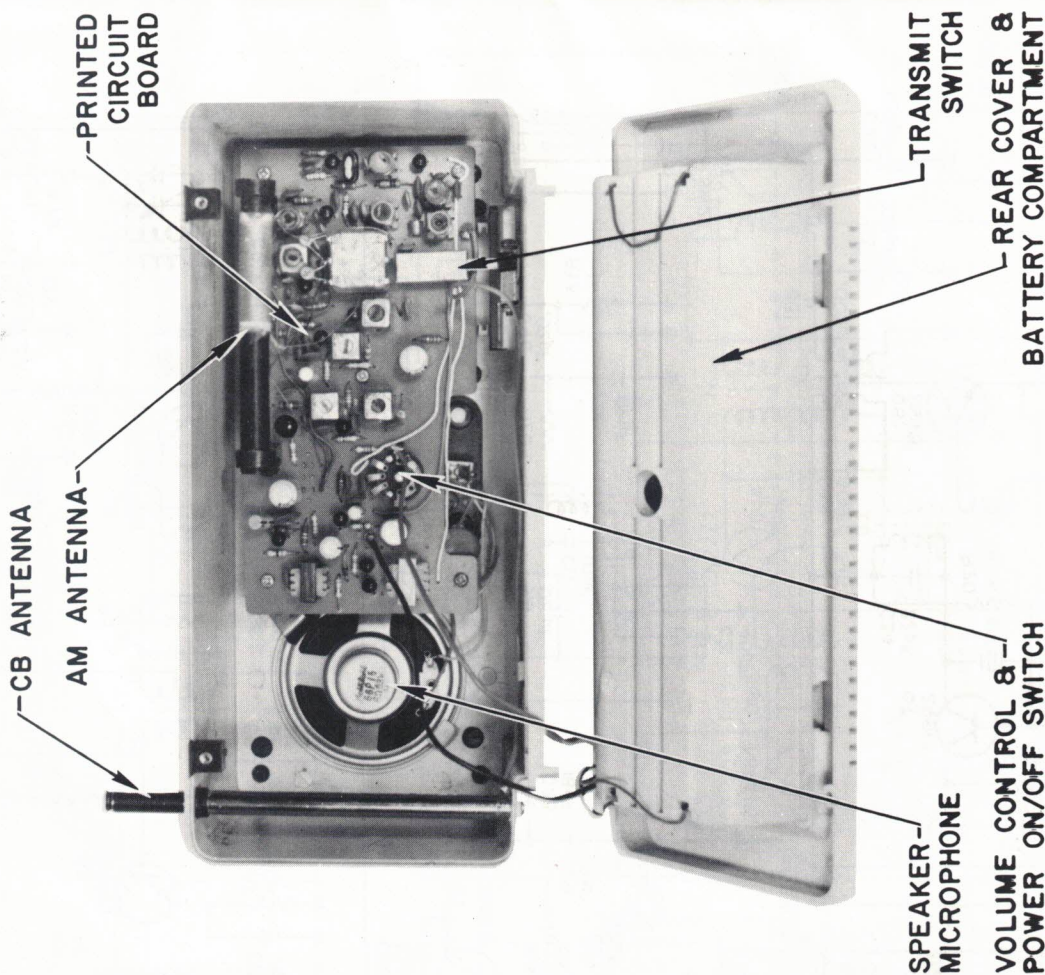


FIGURE 5, COMPONENT LOCATION DIAGRAM
REAR VIEW

SPECIAL REPLACEMENT PARTS LIST

SYMBOL	DESCRIPTION	PART NUMBER
CAPACITORS (Continued)		
C15, 35	30pf, Ceramic	2025-10
C21, 33	40pf, "	2025-11
C29, 30	100pf, "	2034-04
C5	130pf, "	2034-05
C47	300pf, "	2027-13
C40	.001uf, "	2034-06
C31	.005uf, "	2021-21
C2, 4, 43	.01uf, "	2019-09
C3, 7, 8, 9, 10, 12, 13, 14, 16, 19, 20, 27, 32, 36, 37, 39, 46	.02uf, "	2024-06
C44, 41, 49	.04uf, Electrolytic	2019-10
C38	.5uf/10V, "	2025-13
C48	1uf/10V, "	2034-82
C6	10uf/10V, "	2024-07
C42	50uf/10V, "	2019-12
C1, 11	100uf/10V, "	2025-15
MISCELLANEOUS		
VR1	Volume Control/W ON/OFF Sw.	2034-21
	Switch, Push-to-Talk	2034-17
	Switch, CB/AM, 4P2T	2034-24
	Jack Earphone	2027-24
	Jack, Ext. Power	2027-25
	Speaker, 2-1/2", 8 ohm	2034-38
	Knob, Press-to-Talk	2034-46
	Knob, CB/AM	2034-45
	Knob, Volume Control	2034-72
	Knob, Tuning	2034-69
	Button, Slide lock	2034-62
	Terminal, Battery, Positive	2034-58
	Terminal, Battery, Negative	2034-59
	Cover, Battery Compartment	2034-60
	Cabinet, Back	2034-57
	Cabinet, Front panel	2034-66
	Antenna, 8 Section telescope	2034-53
	Earphone	2034-76

LIMITED WARRANTY

Adopted and Recommended by Electronic Industries Association

FANON/COURIER CORPORATION warrants each new electronic product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part (at the Company's option) in exchange for any part of any unit of its manufacture which under normal installation, use and service disclosed such defect; provided the unit is delivered by the owner to us or to our authorized distributor from whom purchased, or authorized service station, intact, for our examination, with all transportation charges prepaid to our factory, within 90 days from the date of sale to original purchaser and provided that such examination discloses, in our judgment, that it is thus defective.

Written authorization must be obtained before any merchandise is returned to the factory.

This warranty does not extend to any of our electronic products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, unauthorized modifications, or to use in violation of instructions furnished by us, nor units which have been repaired or altered outside of our factory, nor to cases where the serial number thereof has been removed, defaced or changed,

This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sale of our electronic products.



FANON/COURIER CORPORATION



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