



AN/VRC-2

Figure 32. Radio Set AN/VRC-2, components.

*Status:* Standard. *Stock No.:* 2S4502-2. *Reference:* TM 11-607.

Radio Set AN/VRC-2 (Galvin type FMTR-25-VM) is a vehicular, voice-operated, f-m radio set used as a military police vehicular guard radio. It is capable of working with civil police equipment.

The receiver is crystal-controlled and pretuned to receive signals on one frequency. Power is obtained from a 6-volt storage battery through a vibrator power supply which is mounted on the receiver chassis. The transmitter is also pretuned to transmit signals on one frequency. Another crystal must be substituted and the transmitter must be retuned before signals at another frequency can be transmitted. A 6-volt vibrator power supply, mounted on the transmitter chassis, furnishes the voltage for the operation of the transmitter.

Both transmitter and receiver use a single antenna for transmitting and receiving. The antenna is switched by an antenna relay located in the transmitter. Control of the relay and of the power to the transmitter and receiver is accomplished at the control head located at the operator's position.

### TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 30 to 40 mc.  
NUMBER OF CRYSTALS: Transmitter: 1. Receiver: 1.  
PRESET FREQUENCIES: Transmitter: 1. Receiver: 1.  
ANTENNA:  $\frac{1}{4}$ -wave telescopic whip.  
TYPE MODULATION: Frequency resulting from phase modulation.  
FREQUENCY CONTROL: Crystal-controlled oscillator.  
POWER SOURCE: 6-v storage battery.  
POWER OUTPUT: 25 w.  
RANGE: Line of sight.  
NUMBER OF TUBES:  
Radio receiver: 13, 2 in vibrator power supply.  
Radio transmitter: 7, 2 in vibrator power supply.

### GENERAL APPLICATION

USE: Short distance voice communication between vehicle and stationary sets.  
TO COMMUNICATE WITH: Radio Sets AN/FRC-6, AN/VRC-2, SCR-298, SCR-608-A, SCR-609, SCR-610, SCR-619, SCR-628-A, SCR-808-A, and SCR-828-A.  
INSTALLATION: Installed and operated in vehicle.  
TYPE OF SIGNAL: Voice.

### PRINCIPAL COMPONENTS

Name	Dimensions (in.)	Weight (lb)
Radio Transmitter R-237/VR	11 $\frac{1}{2}$ x 10 x 15	41
Radio Receiver T-193/VRC-2	11 $\frac{1}{2}$ x 10 x 15	35

### WEIGHT AND VOLUME

Total weight (lb)	168
Total volume (cu ft)	8