

STATUS: Standard

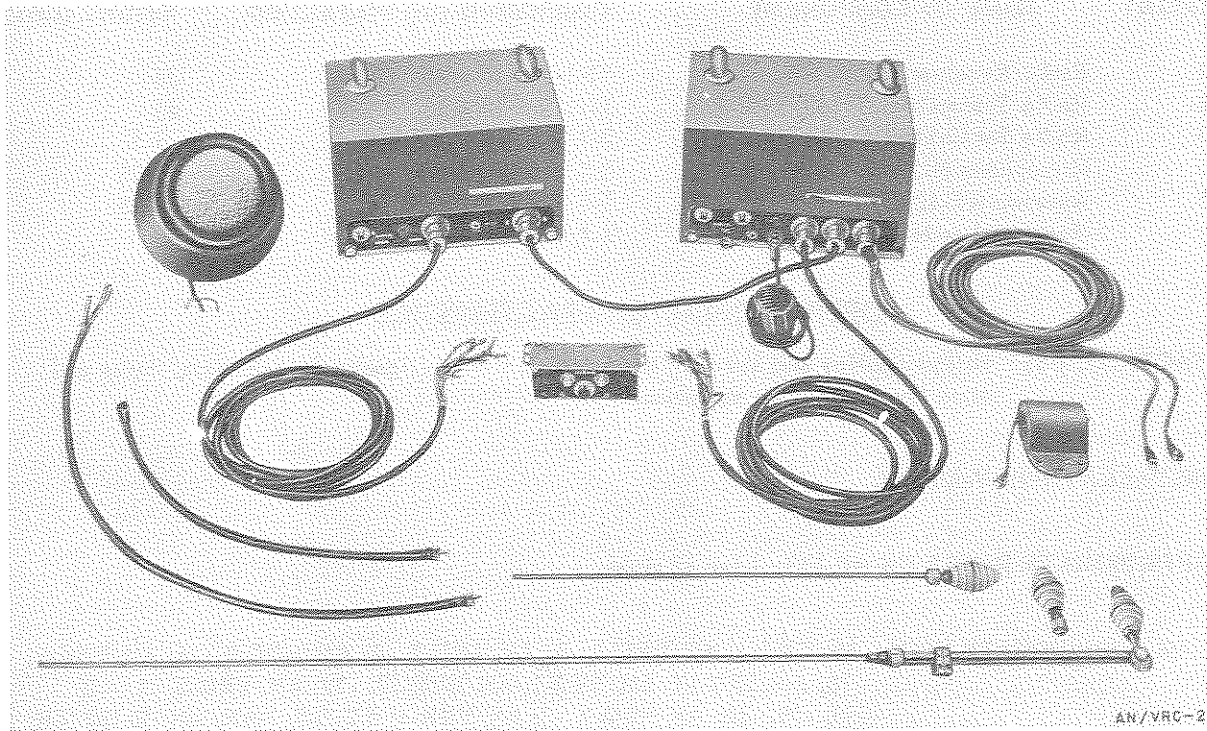
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

DATE OF THIS SHEET: 11 Jan 52

AN/VRC-2

RADIO SET



Radio Set AN/VRC-2 is a vehicular, short-range, v-h-f, f-m (voice), radio receiving and transmitting equipment used by military police and security troops for highway traffic control and similar applications.

This equipment consists of a crystal-controlled radio transmitter and receiver controlled from the driver's position in a vehicle and is powered through individual vibrator power supply units by the storage battery of the vehicle in which the equipment is installed.

It uses a single telescopic whip-type antenna which is controlled by an antenna change-over relay located in the transmitter.

The transmitter component of some models of this equipment is equipped with a dynamotor.

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| AN/VRC-2 | INSTRUCTION LITERATURE: TM 11-607 |
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MAJOR COMPONENTS

| QUANT | NAME OF COMPONENT | DIMENSIONS (IN) INSTALLED | WEIGHT (LBS) |
|-------|-------------------------------|---------------------------|--------------|
| 1 | Radio Receiver R-237/VR | 11-1/2 x 10 x 15 | 35 |
| 1 | Radio Transmitter T-193/VRC-2 | 11-1/2 x 10 x 15 | 41 |
| 1 | Radio Set Control C-493/VRC-2 | 2-1/4 x 3-1/4 x 7-1/4 | 1.5 |
| 1 | Microphone M-27/U | 3-3/4 x 3-1/2 x 5 | 1.25 |
| 1 | Antenna AT-129/VR | 1-1/2 x 1-1/2 x 78 | 3.25 |
| 1 | Dynamic Loudspeaker LS-158/U | 9-1/2 x 4-1/4 (diameter) | 5 |

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Military police and security troops. Counterintelligence detachments, corps and army level, air force squadrons.

INSTALLATION: Vehicular.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-7, -8; AN/MRC-5, -16; AN/PRC-9, -10; AN/SRR-13; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2, -3, -10, -15, -18, -22; AN/YRQ-2, -3; AN/VRR-4; BC-787; MAN; MN; R-137/GR; RBK; SCR-300, -607, -608, -609, -610, -619, -628, -678, -808, -828.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 30 - 40.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 25 w.

POWER REQUIREMENTS: 6-v vehicular storage battery through vibrator power supplies.
 Transmitter: (25 amp) at 6.3 v and (0.15 amp) at 540 v.
 Receiver: (14.5 amp) at 6.3 v and (0.08 amp) at 250 v.

PHYSICAL CHARACTERISTICS

Radio Set AN/VRC-2 packed for export shipment: total weight 168 pounds, total volume 8 cu ft.
 Shipped in 2 packages.