

13 September 1967

RADIO SET AN/PRC-73

Cog Service: USN FSN:

Functional Class:

USA

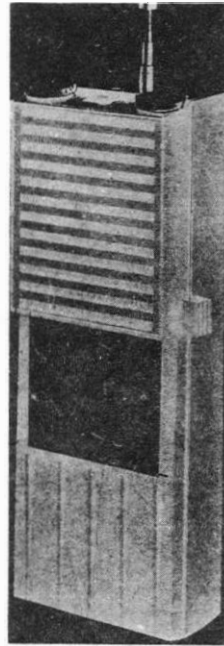
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Repco Inc.



RADIO SET AN/PRC-73

FUNCTIONAL DESCRIPTION:

Radio Set AN/PRC-73, is a portable two way FM radio consisting of a battery, case and Radio Receiver-Transmitter which is designed to operate in the VHF frequency range of 132 to 174 mc. It uses thirteen rugged, highly reliable transistorized modules, which can be easily replaced in the event of failure. The transceiver is operated from a rechargeable nickel-cadmium battery which mounts with the use of a battery compartment adapter smoothly integrated into the overall case design. Provision for an external earphone jack is available, and for a rugged whip antenna.

No field changes in effect at time of preparation (Jan 16, 1967).

RELATION TO OTHER EQUIPMENT: None.

RADIO SET AN/PRC-73

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

TECHNICAL CHARACTERISTICS:

FREQUENCY RANGE: 132 to 174 mc.

RF POWER OUTPUT: 1 w min; 1.5 w max.

SPURIOUS EMISSIONS: -45 db.

FREQUENCY STABILITY: $\pm 0.002\%$ -30°C to $+50^{\circ}\text{C}$.

MODULATION: ± 5 kc (NB) or ± 15 kc (WB).

RECEIVER DATA

SENSITIVITY: 0.5 uv for 20 db quieting.

SELECTIVITY: -55 db at adjacent channel.

SPURIOUS-IMAGE REJECTION: More than 55 db.

SQUELCH: Adjustable-will open at 0.25 uv.

AUDIO OUTPUT: 500 mw at less than 10% distortion.

FREQUENCY STABILITY: $\pm 0.002\%$ -30°C to $+50^{\circ}\text{C}$.

MODULATION: ± 5 kc (NB) or ± 15 kc (WR).

POWER REQUIREMENTS: 22-1/2 v and 10 vdc (from rechargeable battery).

MAJOR COMPONENTS

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Radio Set AN/PRC-73	1-1/4 x 3-1/8 x 10-1/4	4

REFERENCE DATA AND LITERATURE:

NavShips 0969-023-1000: Instruction Manual for Radio Set AN/PRC-73.

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
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PROCUREMENT DATA

PROCURING SERVICE: USN

DESIGN COG: USN, NAVSHIPS

SPEC &/OR DWG: SHIPS-R-1721

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Repcor Inc.	Orlando, Calif.	N600(24-126) 63045	