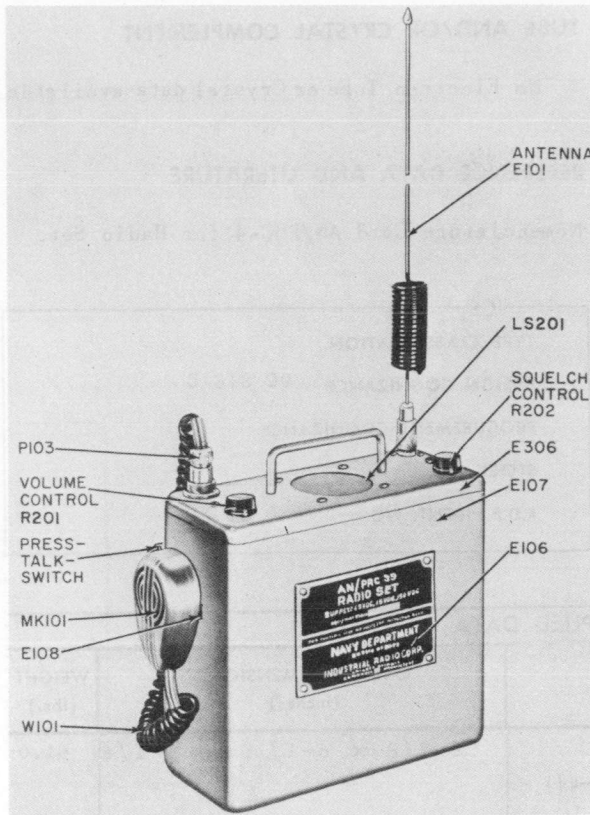


RADIO SET

AN/PRC-39



Radio Set AN/PRC-39

TYPE OF CONTROL: Crystal.
 TYPE OF EMISSION: F3.
 RECEIVER OUTPUT: 300 mw, into a 3.2 ohm 3 in. speaker.
 IF FREQUENCY: 8.5 mc (high); 300 kc (low).
 FREQUENCY STABILITY: $\pm 0.0025\%$ (transmitter).
 TRANSMITTER OUTPUT: 1.5 W.
 ANTENNA: 1/4 wave whip type.
 POWER REQUIREMENTS: Batteries: (2) 75 v, (2) 7.5 v, (1) 1.5 v.

MANUFACTURER'S OR CONTRACTOR'S DATA

Industrial Radio Corp., Chicago, Illinois.
 Contract NObsr-71895.

TUBE AND/OR CRYSTAL COMPLEMENT

(1) 1AD4 (2) 6526

Total Tubes: (3)

No Crystal data available.

FUNCTIONAL DESCRIPTION

Radio Set AN/PRC-39 is a portable wide-band FM transmitter-receiver. It has an effective range of one to ten miles depending on environmental conditions.

No field changes in effect at time of preparation. (11 August 1959).

ELECTRICAL AND MECHANICAL CHARACTERISTICS

FREQUENCY RANGE: 30 to 42 mc.

REFERENCE DATA AND LITERATURE

Manuscript Copy of RADIO SET AN/PRC-39.

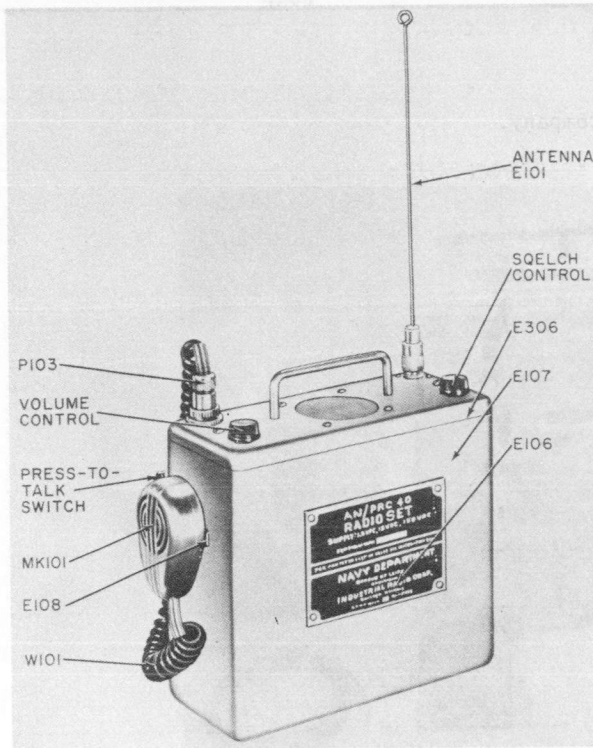
TYPE CLASSIFICATION	
DESIGN COGNIZANCE	USN, BUSHIPS
PROCUREMENT COGNIZANCE	SPEC MIL-R-19117 REVA-TYPE I
STOCK NO.	
R.D.B. IDENT. NO.	

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Radio Set AN/PRC-39		

RADIO SET

AN/PRC-40



Radio Set AN/PRC-40

FUNCTIONAL DESCRIPTION

Radio Set AN/PRC-40 is a portable narrow-band FM transmitter-receiver. It has an effect range of one to ten miles depending on environmental conditions. Average operating conditions, however, permit voice communication at a distance of approx two miles between two portable Radio Sets.

No field changes in effect at time of preparation (14 August 1959).

ELECTRICAL AND MECHANICAL CHARACTERISTICS

FREQUENCY RANGE: 132 to 152 mc, 1 preset

frequency.
 TYPE OF CONTROL: Crystal.
 TYPE OF EMISSION: F3.
 POWER OUTPUT: 1 W max (transmitter).
 RECEIVER OUTPUT: 500 mw into a 3.2 ohm 3 inch speaker.
 IF FREQUENCY: 8.5 mc (high), 300 kc (low).
 OSCILLATOR CRYSTAL FREQUENCY
 HIGH: Determined by incoming signal.
 LOW: 8200.00 kc.
 TRANSMITTER STABILITY: $\pm 0.002\%$ at 25° C.
 TRANSMITTER CRYSTAL FREQUENCY: 1/12th of the carrier frequency.
 TRANSMITTER OUTPUT: 1 W.
 ANTENNA: 1/4 wave whip type.
 POWER REQUIREMENTS: Batteries (1) 1.5 v, (2) 7.5 v, (2) 75 v.

MANUFACTURER'S OR CONTRACTOR'S DATA

Industrial Radio Corp., Chicago, Ill.
 Contract NObsr-71895.

TUBE AND/OR CRYSTAL COMPLEMENT

(3) 6526

Total Tubes: (3)

No Crystals data Available.

REFERENCE DATA AND LITERATURE

Technical Manual for Radio Set AN/PRC-40.

TYPE CLASSIFICATION	(NAVY)
DESIGN COGNIZANCE	USN, BUSHIPS
PROCUREMENT COGNIZANCE	SPEC: MIL-R-19117 REV A TYPE II
STOCK NO.	
R.D.B. IDENT. NO.	

SHIPPING DATA

NUMBER OF BOXES	CONTENTS AND IDENTIFICATION	VOLUME (Cu.Ft.)	OVERALL DIMENSIONS (inches)	WEIGHT PACKED (lbs.)
1	Radio Set AN/PRC-40			

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIP	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Radio Set AN/PRC-40		