

30 July 1962

Cog Service: USN

FSN:

RADIO RECEIVING SET AN/URR-35D

Functional Class:

USA

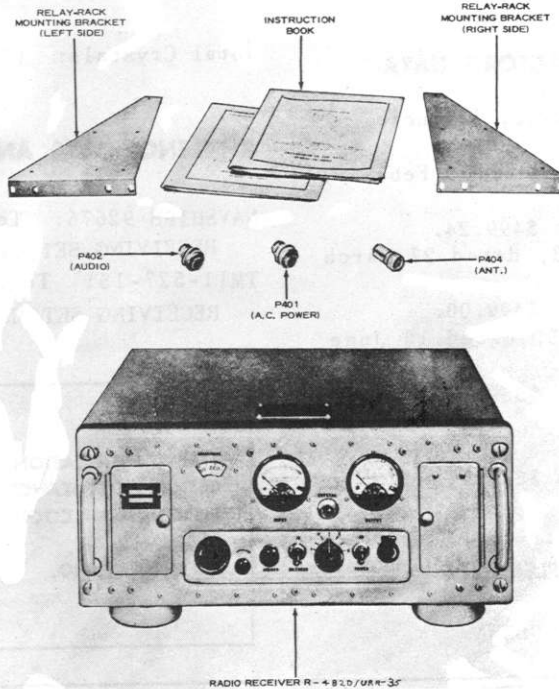
USN

USAF

TYPE CLASS: Used by

Used by

MANUFACTURER'S NAME/CODE NUMBER: Rauland-Borg Co., (92058).



Radio Receiving Set AN/URR-35D

FUNCTIONAL DESCRIPTION:

The Radio Receiving Set AN/URR-35D is a VHF/UHF, double superheterodyne type of receiving equipment. It is designed primarily for operation as a pretuned, single-channel, crystal controlled receiver.

The AN/URR-35D provides a means for reception of amplitude-modulated voice (A3) and modulated-continuous wave (A2) transmissions. The carrier frequency is 225 to 400 megacycles (MC). This receiver is adaptable for use on Naval vessels, at Naval air and shore radio stations, or at any other units of the military establishment.

No field changes in effect at time of preparation (10 January 1961).

TECHNICAL CHARACTERISTICS:

TYPE OF INSTALLATION: Fixed.

TYPE OF PRESENTATION: Audio.

AN/URR-35D RADIO RECEIVING SET

TYPE OF CONTROL: Crystal controlled oscillator.
TYPE OF TUNING: Manual.
TYPE OF RECEPTION: A2, A3 types.
NUMBER OF BANDS: 1 band.
NUMBER OF CHANNELS: 1 channel.
OPERATING FREQUENCY RANGE: 225 to 400 mc.
OPERATING POWER RQMT: 105/115/125 v ac, 50 to 60 cps, single ph.

RELATION TO OTHER EQUIPMENT:

The AN/URR-35D is similar to & interchangeable with AN/URR-35C, the difference being the carrier relay circuit can be adjusted to operate over a range of 2 to 20 microvolts input signal and a pilot light is added to the panel to indicate the operation of the carrier relay.

EQUIPMENT REQUIRED BUT NOT SUPPLIED:

(1) Antenna AT-150/SRC or AS-390/SRC; (As required) Antenna Transmission Line RG-10/U; (As required) Power Cable MCOS-2; (As required) Audio Output Cable TTHFWA-1-1/2; (1) Set of Headphones w/Cord & Plug N.T.49985-A.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Radio Receiver R-482D/URR-35		8-7/16 x 17-1/2 x 19-1/8	55
1	Pair of Relay Mounting Brackets		1-1/8 x 7 x 12	
1	Low Pass, Filter F-304A/URR-35C			
1	Set of Equipment Spares		4 x 8-3/4 x 13	12-1/2
2	Technical Manuals NAVSHIPS 92676		1/2 x 8-1/2 x 11	1-1/2

REFERENCE DATA AND LITERATURE:

NAVSHIPS 92676: Technical Manual for Radio Receiving Set AN/URR-35D.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: (1) 0A2 (1) 0B2 (1) 6AK6 (10) 5654/6AK5W (5) 5670 (2) 5726/6AL5W (1) 5931

CRYSTALS: (1) CR-23/U(16.8250 MC) (1) CR-24/U(20.3000 to 34.8833 MC)

SEMI-CONDUCTORS: None used.

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
1	4.9	86
2	0.1	12-1/2

1.4 AN/URR-35D: 2

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/OR DWG: MIL-R-16620A(SHIPS)

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Rauland-Borg Co. Pt. No. KC-0450	Chicago, Illinois	AF18(600)-572	