

Radio Set AN/ARQ-9 is a combination search receiver and jamming transmitter designed for picking up and jamming enemy communication signals in the frequency band between 18 and 80 mc. It was formerly known as Radio Set SCR-596-T2.

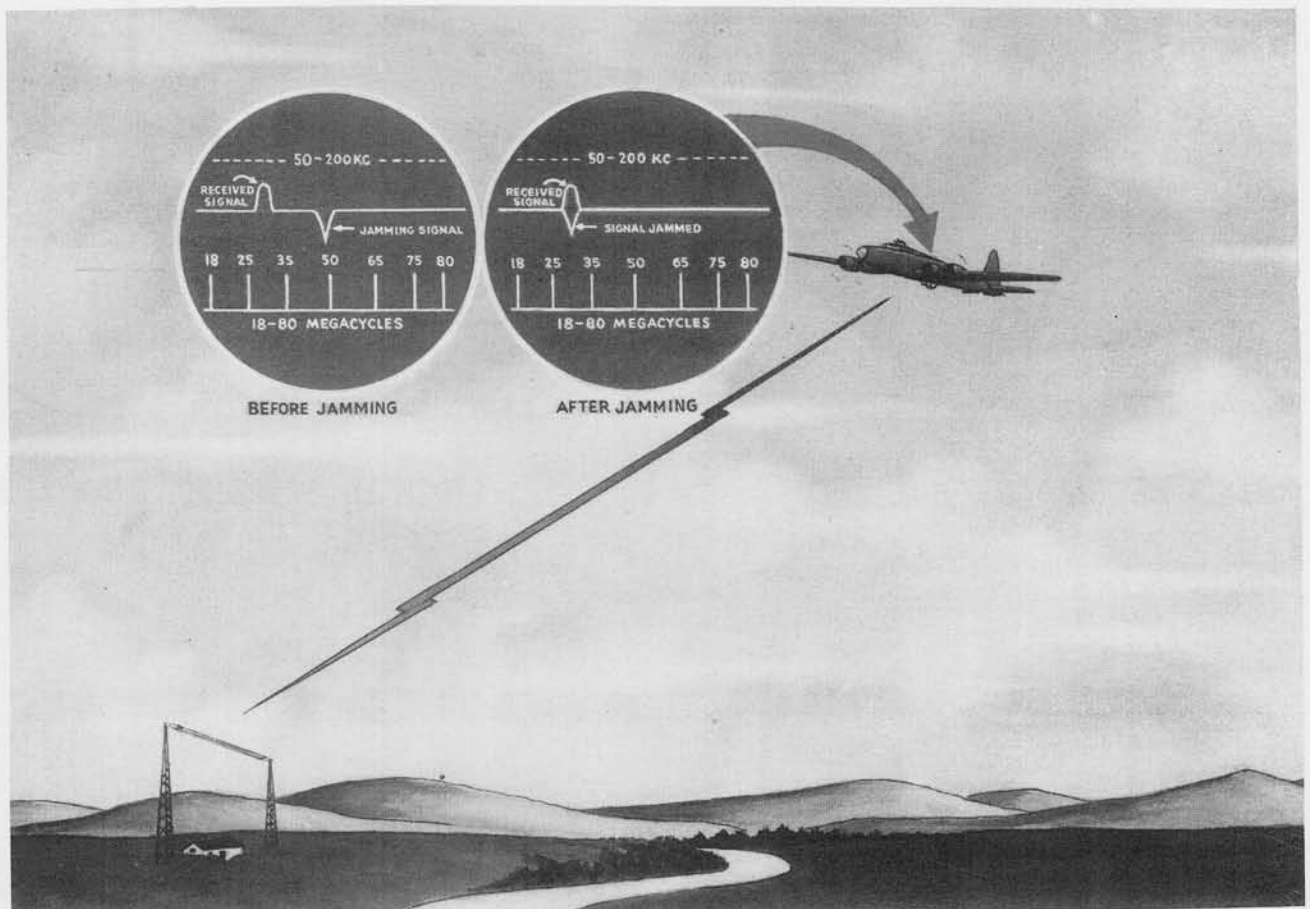
The transmitter and the receiver are gang-tuned to permit rapid frequency shifts such as are required when the victim transmission changes in frequency to avoid jamming. During the jamming operation the transmitter and the receiver are alternately connected to the antenna so that any change in the victim operating frequency may be detected immediately. The enemy signal appears on the scope of the receiver as an upward pip above the base line. The jamming signal appears as a downward pip from the same base line and when the two are lined up vertically the jamming signal is effectively on the victim frequency. The jamming signal consists of a carrier wave that is frequency modulated at a random rate.

Test equipment required in the maintenance and tuning of AN/ARQ-9 includes Test Set I-139, Test Oscillator TS-47/APR, Pickup Assembly TS-131/AP, Test Set I-56-K, Hickok Voltmeter Type 110 and General Radio Signal Generator type 804C.

Army Supply Program requirements as of 1 November 1944 were 100 equipments for the calendar year 1944.

POWER INPUT	1000 WATTS
POWER OUTPUT	25 WATTS
FREQUENCY	18-80 MC
TYPE OF SIGNAL	Random FM

		TUBE COMPLEMENT						
NO.	TYPE	T-44/ARQ-9	T-45/ARQ-9	T-46/ARQ-9	MD-15/ARQ-9	R-55/ARQ-9	ID-47/ARQ-9	PP-55/ARQ-9
		6	5R4GY		2		0	0
4	6AC7		4		0	0	0	0
29	6AK5		3		8	7	6	5
2	6J6		1		0	0	1	0
2	6SA7		2		0	0	0	0
1	807		1		0	0	0	0
4	9003		2		1	0	1	0
1	829B		1		0	0	0	0
4	6H6				1	2	1	0
1	2050				1	0	0	0
21	9001				6	7	8	0
6	9002				0	1	5	0
1	2X2				0	0	1	0
1	5CP7				0	0	1	0
6	6SJ7				0	0	6	0
6	VR-150-30				0	0	3	3



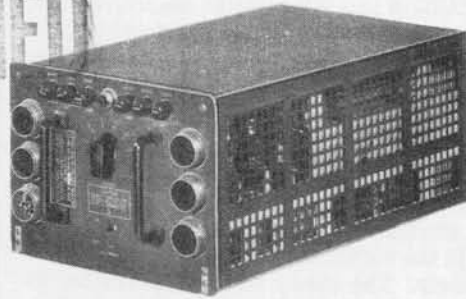
AN/ARQ-9 provides visible indication of victim signal and of the jamming signal and permits changing the jamming signal to any frequency within its range when the enemy signal is changed.

# AN/ARQ-9

~~SECRET~~



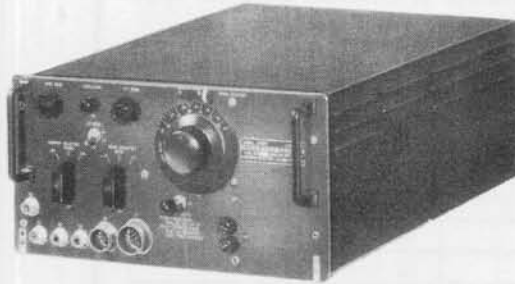
Radio Transmitter T-44/ARQ-9,  
T-45/ARQ-9, or T-46/ARQ-9



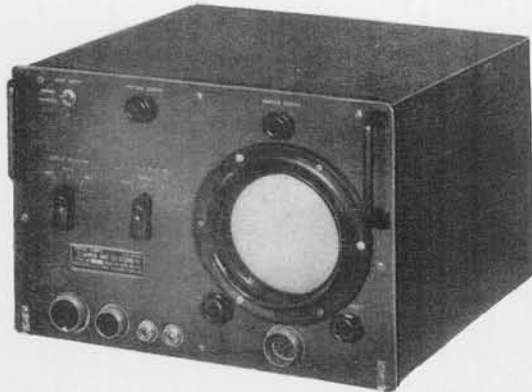
Rectifier Power Unit PP-55/ARQ-9



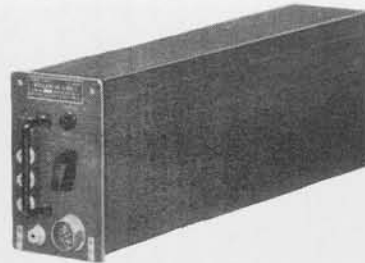
Radio Receiver R-55/ARQ-9



Receiver-Indicator R-102/ARQ-9



Scanner Unit ID-47/ARQ-9



Modulator MD-15/ARQ-9



Antenna System AS-97/ART,  
AS-89/ART and AS-161/ART

## RADIO SET AN/ARQ-9

TOTAL WEIGHT 280 LBS.

Component	Nomenclature	Size	Weight
Modulator	MD-15/ARQ-9	8" x 5" x 22"	18 Lbs.
Radio Receiver	R-55/ARQ-9	8" x 5" x 22"	15 Lbs.
Rectifier Power Unit	PP-55/ARQ-9	8" x 11" x 22"	35 Lbs.
*Radio Transmitter	T-46/ARQ-9	8" x 11" x 22"	60 Lbs.
*Radio Transmitter	T-45/ARQ-9	8" x 11" x 22"	60 Lbs.
*Radio Transmitter	T-44/ARQ-9	8" x 11" x 22"	60 Lbs.
Scanner Unit	ID-47/ARQ-9	11" x 16" x 22"	60 Lbs.
Receiver Indicator	R-102/ARQ-9	8" x 16" x 22"	60 Lbs.
*Antenna System	AS-97/ART	54" x 1/2" diameter	4 Lbs.
*Antenna System	AS-89/ART	72" x 1/2" diameter	4 Lbs.
*Antenna System	AS-161/ART	40" x 1/2" diameter	3 Lbs.
Mounting Base	MT-167/U(2 each)	3" x 6" x 22"	4 Lbs.
Mounting Base	MT-171/U	3" x 11" x 22"	5 Lbs.
Mounting Base	MT-173/U(2 each)	3" x 16" x 22"	5 Lbs.

and includes cables, plugs, adapters, antenna matching sections and etc.

\*One used per installation.