

Radio Transmitting Set AN/ART-9 is an airborne berrage jammer, capable of operating unattended during flight, and which will produce interference over a frequency range of 37 to 43 mc. employed by German fighters and GCI communication links.

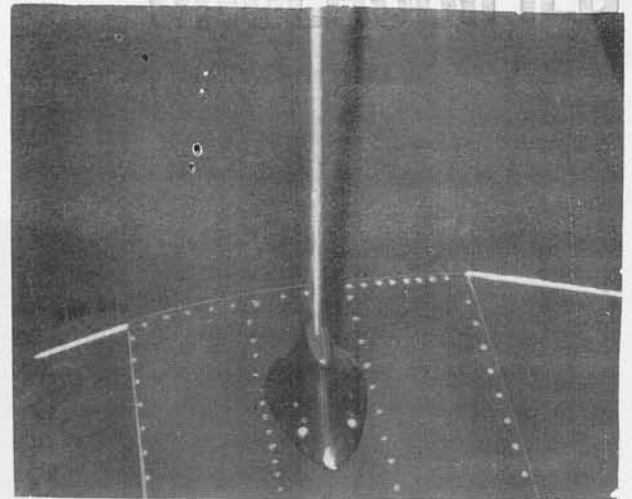
The transmitter, Radio Transmitter T-36/ART-9 consists of a push-pull oscillator using two each type 35 TG tubes and a motor-driven, rotating condenser which sweeps the frequency over the tuning range at a rate of 300 to 500 c.p.s.

This equipment has been found to be highly efficient in jamming AM signals, such as are emitted from German tank sets. It has practically no effect, however, on FM equipment operating in the same frequency range

Power requirements for the equipment are 80-115 volts, 400-2600 c.p.s. a.c. and 28 volts d.c. These requirements include Rectifier Power Unit PP-35/ART.

Test equipments required for maintenance are: Test Set I-139-A, Pick-Up Assembly TS-131/AP, Test Set I-56, and Voltmeter, Hickok Type 110.

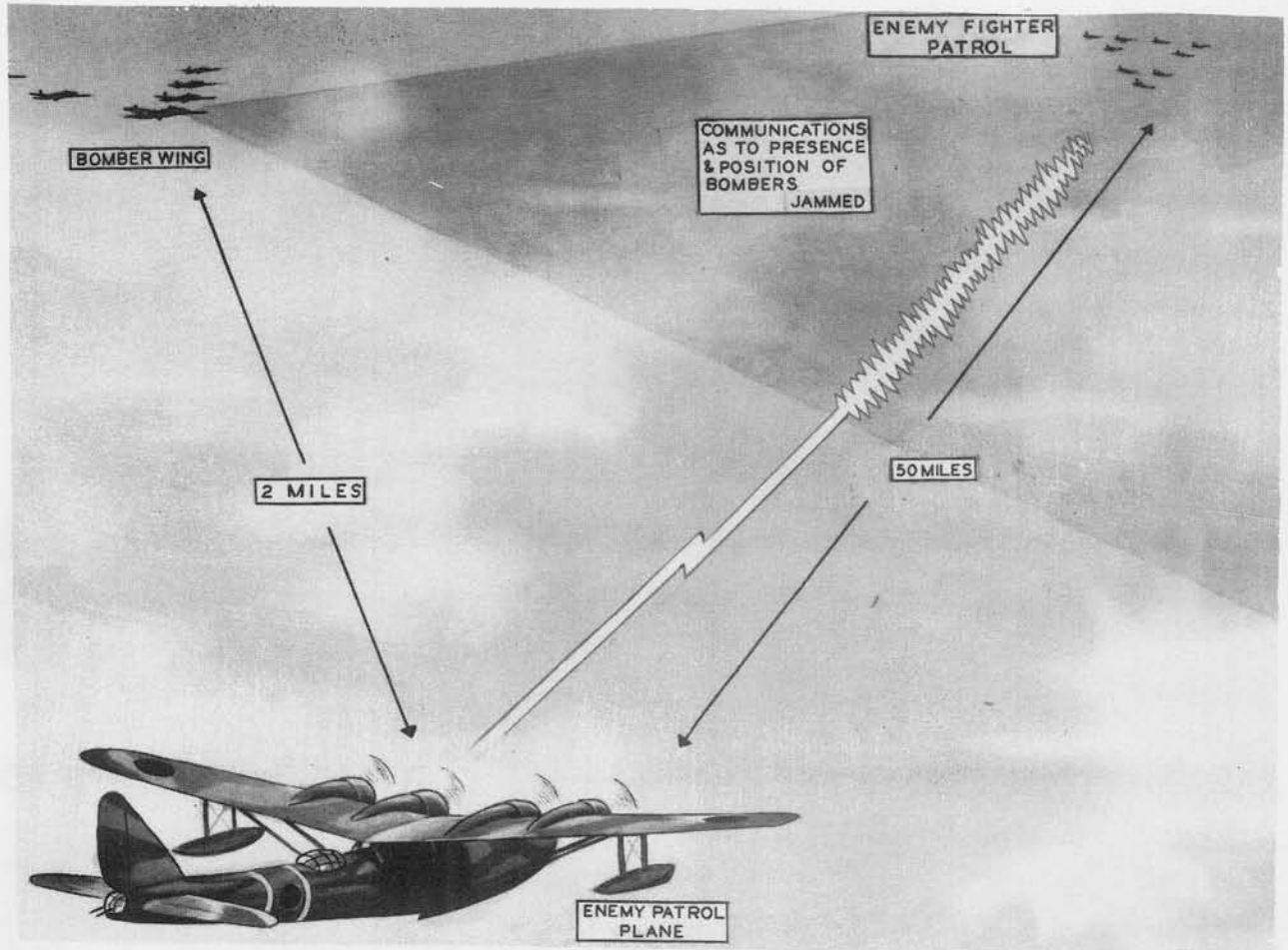
Army Supply Program requirements for Radio Transmitting Set AN/ART-9 as of 14 June 1944 were 8,802 for the calendar year 1944.



Antenna System AS-89/ART for Radio Transmitting Set AN/ART-9 as installed on B-24.

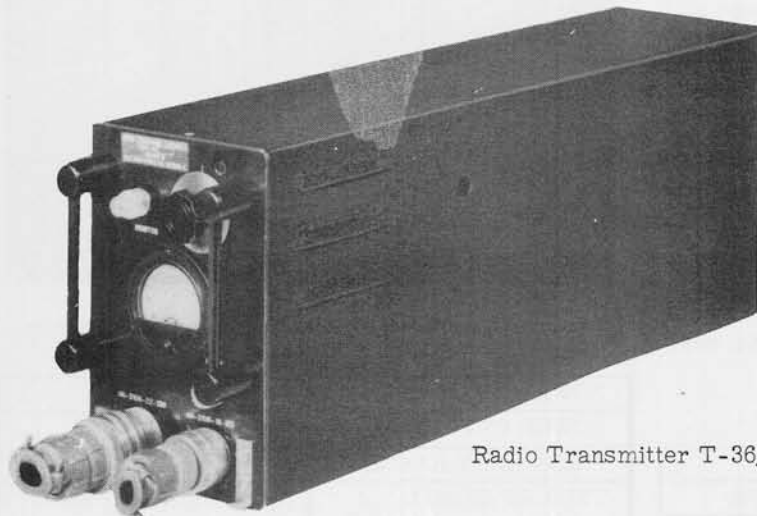
TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
2	35TG	2	836

POWER INPUT	550 WATTS
POWER OUTPUT	115 WATTS
FREQUENCY RANGE	37-43 MC.
TYPE OF SIGNAL	FM 300 C.P.S. STEADY TONE

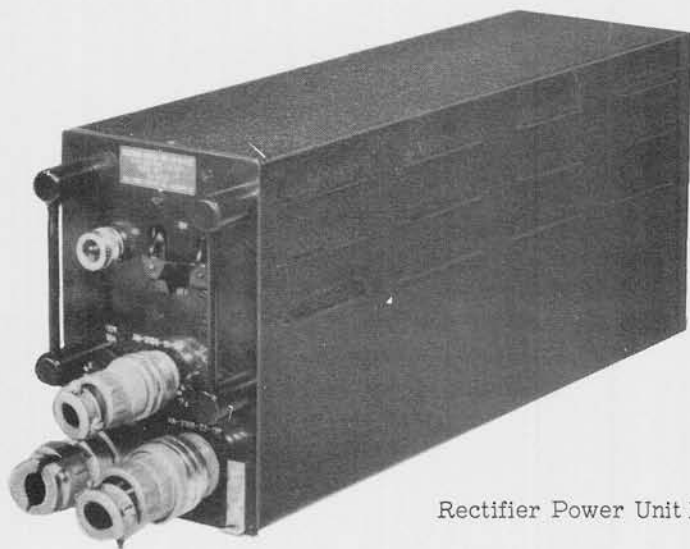


The above diagram shows the application of jamming as applied by attacking bombers to communications between enemy reconnaissance and interceptor planes.

UNCLASSIFIED



Radio Transmitter T-36/ART-9



Rectifier Power Unit PP-35/ART



Antenna System AS-89/ART

RADIO TRANSMITTING SET AN / ART-9

TOTAL WEIGHT 75 LBS.

Component	Nomenclature	Size	Weight
Radio Transmitter	T-36/ART-9	7 5/8" x 4 7/8" x 21 3/4"	23 Lb
Rectifier Power Unit	PP-35/ART	7 5/8" x 4 7/8" x 21 3/4"	37 Lb.
Mounting Base	MT-167/U (2 each)	2 1/4" x 5 1/4" x 22"	5 1/2 Lb
Antenna System	AS-89/ART	3 1/2" Dia x 5" Long	5 Lb.

and includes plugs, adapters and misc. cables