

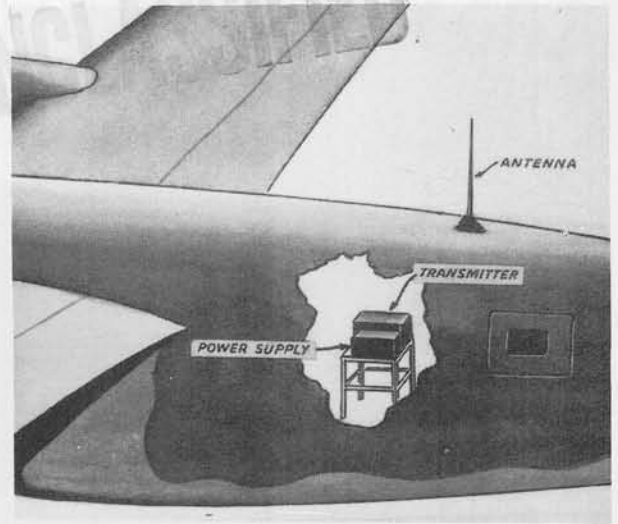
Radio Transmitting Set AN/ART-7 is an airborne barrage jammer that will operate unattended during flight and produce interference over the frequency range of 27 to 34 mc. employed by German tanks, battalion links and armored command in general. The transmitter consists of a push-pull oscillator using two each type 35TG 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.

While this equipment has been found to be efficient in jamming AM signals, such as are emitted from German tank sets, it has practically no effect on FM equipment operating in the same frequency range. This equipment was formerly known as AN/ARQ-2.

Power is obtained from a 80/105/115 volt, d.c. 400-2800 c.p.s., a.c. and 28 volt source. Power input of 700 watts produces an output of 150 watts.

Army Supply Program Requirements as of 14 June 1944 were 600 for the calendar year 1944 and 1360 for 1945.

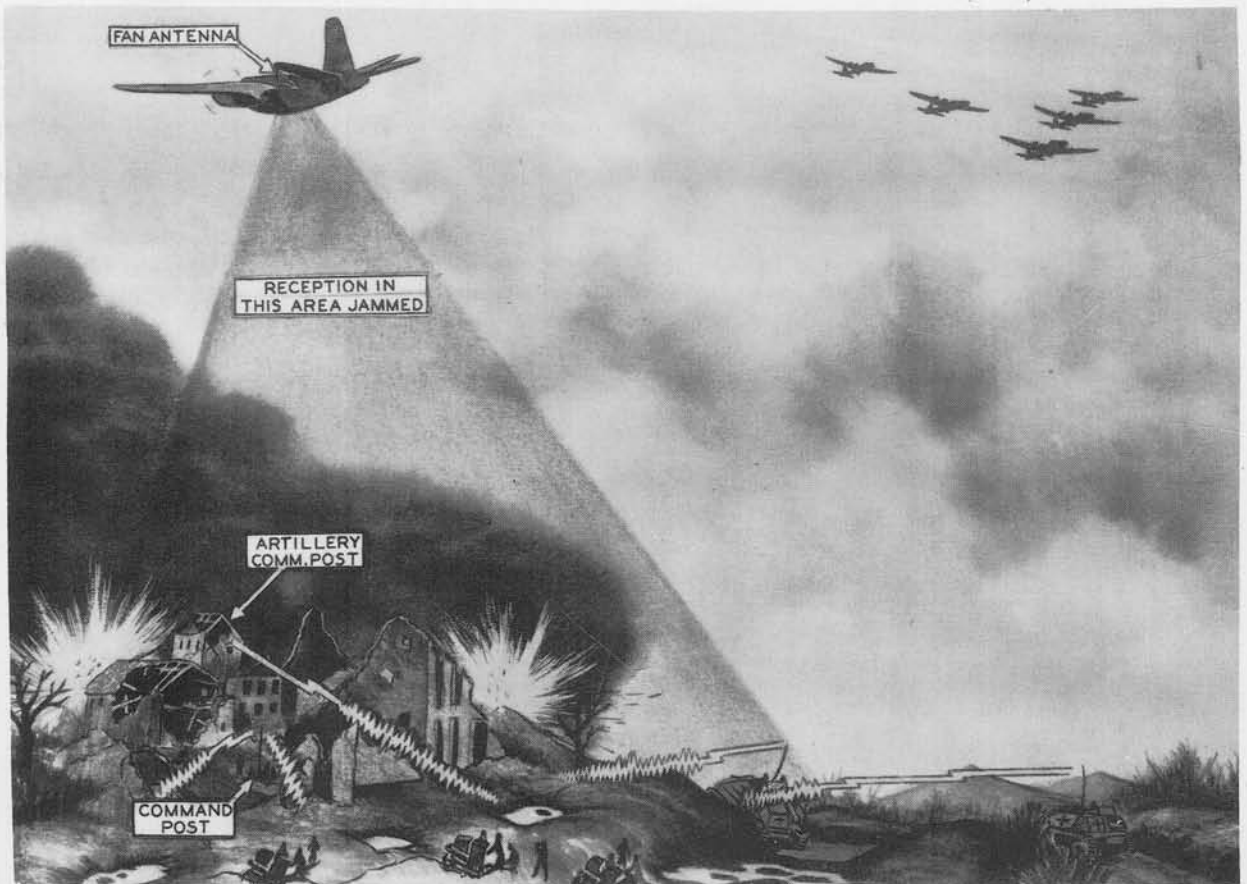
Test Equipment used in maintenance of Radio Transmitting Equipment AN/ART-7 includes Test Set I-139-A, Pickup Assembly TS-131/AP, Test Set I-56J, K or L and Hickok Voltmeter type 110.



Installation of Radio Transmitting Equipment AN/ART-7 aft bombay port side, B-24 airplane.

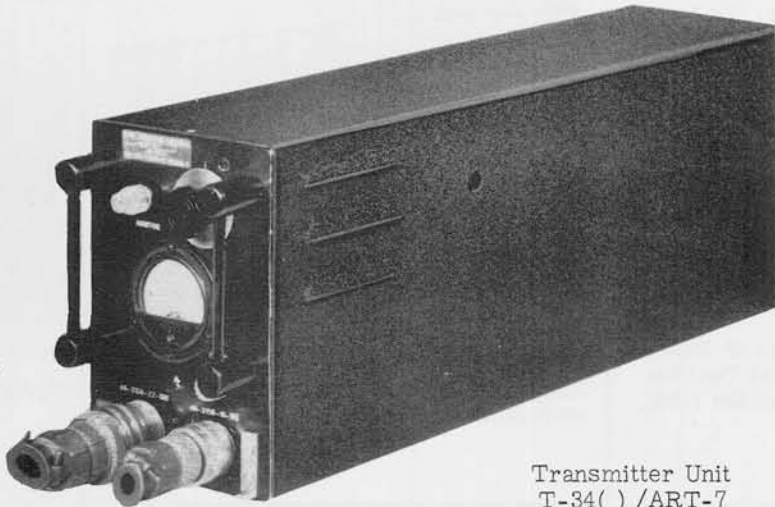
POWER INPUT	700 WATTS
POWER OUTPUT	150 WATTS
FREQUENCY RANGE	27-34 MC.

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

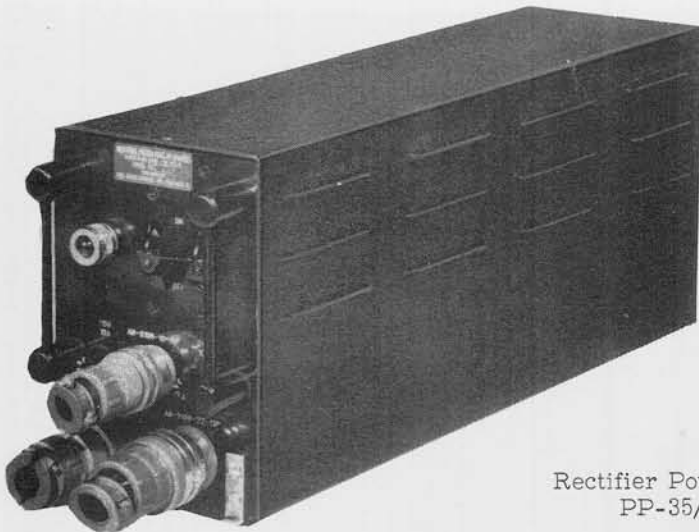


Radio Transmitting Set AN/ART-7 is an airborne jammer used to disrupt enemy ground radio communications operating with-in its frequency range.

UNCLASSIFIED



Transmitter Unit
T-34()/ART-7



Rectifier Power Unit
PP-35/ART



Antenna System
AS-89/ART



Antenna Base
AB-29/ART

UNCLASSIFIED

RADIO TRANSMITTING SET AN/ART-7

TOTAL WEIGHT 74 LBS.

Component	Nomenclature	Size	Weight
Transmitter Unit	T-34()/ART-7	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.
Matching Section	CU-51/ART	5 1/2" x 5" Dia.	2 Lb.
Antenna Base	AB-47/ART	4" x 5" Dia.	1 Lb.
Filter	F-15/U	5" x 6" x 9"	2 Lb.

includes adapters, cable adapters, plugs, insulator, wire and misc. cables.