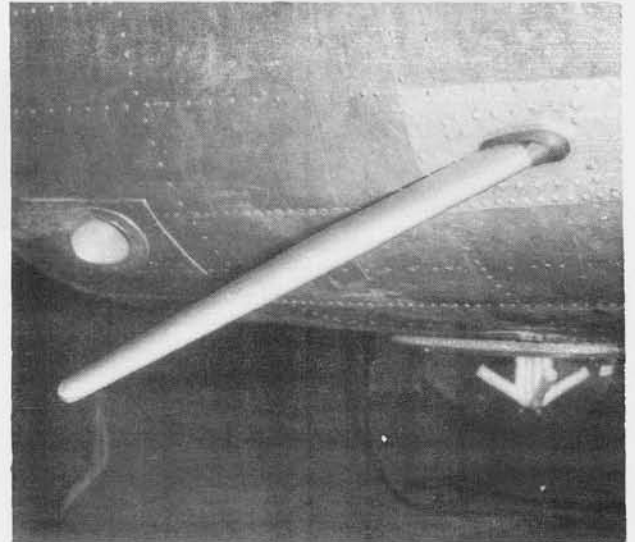


Radar Set AN/APQ-15 is a "spoofing" radar repeating device, designed for use in the Pacific theater. The equipment is a deception device, used to simulate a flight of planes. It picks up radar signals within its frequency range and retransmits an echo on the accepted frequency. The echo signal is adjustable in length and delay to simulate range and size of the false flight information to be transmitted.

The equipment has a narrow acceptance band to reduce the possibility of failure to repeat signals where the concentration of enemy radars in one frequency band is relatively great. With suitable precautions, the equipment may be used against several radars in the same frequency band. There is provision for adjustment in flight, of delay and pulse length, but the equipment may be tuned prior to take-off to simulate the desired effect. In the latter case the only operation necessary in flight is turning the set on and off.

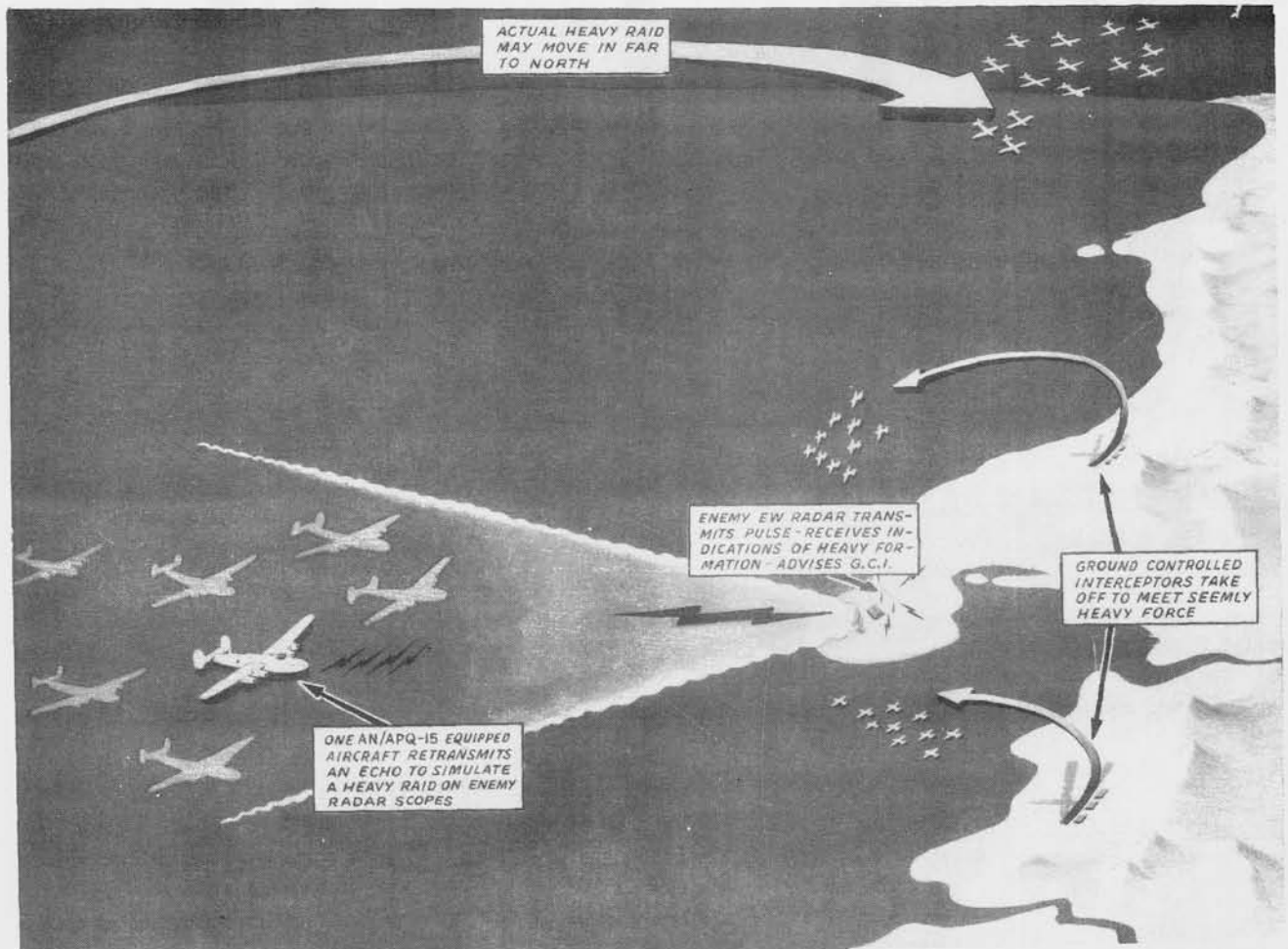
The equipment was designed to cover the 90-325 mc. band by means of seven tuning units. Power is obtained from an 80/115 volt, 400-2600 c.p.s., a.c. source.

Army Supply Program requirements as of 20 July 1944 were 200 for the calendar year 1944.



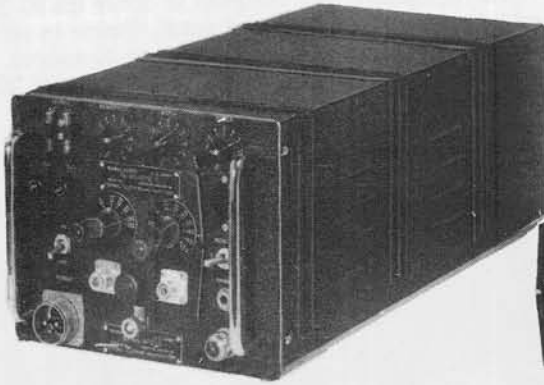
Installation of Antenna Stub AT-41/APT for Radar Set AN/APQ-15 on B-24.

POWER INPUT	230 WATTS A.C.
POWER OUTPUT	5 WATTS, MAX,
SENSITIVITY	0.25 MILLIVOLTS
FREQUENCY RANGE	90-325 MC.
BANDWIDTH	4 MC.
PULSE LENGTH	ACCEPTS 1/3 to 40μsec. RETRANSMITS 20 to 60μsec.
DELAY	3 to 20 sec.

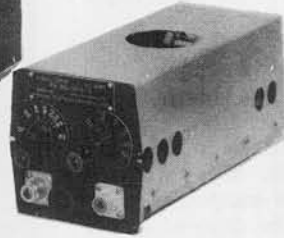


Radio Set AN/APQ-15 "SPOOFER" repeating device plays an important role in deceiving enemy interceptor defense to the wrong place at the right time.

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Receiver-Transmitter  
RT-64/APQ-15



TN-66/APQ-15



TN-64/APQ-15



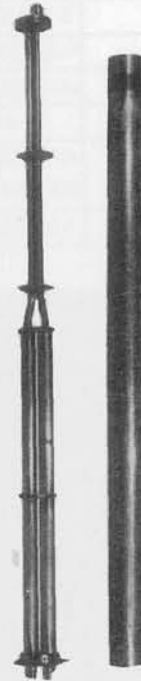
AT-41/APT



AT-42/APT



AT-43/APT



Balancing Unit CU-43/APT  
Disassembled View

RADAR SET AN/APQ-15

TOTAL WEIGHT 100 LBS.

Component	Nomenclature	Size	Weight
Receiver Transmitter	RT-64/APQ-15	7 5/8" x 10 1/8" x 21 3/4"	40 Lbs.
Tuning Unit	TN-64/APQ-15	4" x 4" x 10"	15 Lbs.
Tuning Unit	TN-65/APQ-15	4" x 4" x 10"	15 Lbs.
Tuning Unit	TN-66/APQ-15	4" x 4" x 10"	15 Lbs.
Tuning Unit	TN-67/APQ-15	4" x 4" x 10"	15 Lbs.
Tuning Unit	TN-68/APQ-15	4" x 4" x 10"	15 Lbs.
Tuning Unit	TN-69/APQ-15	4" x 4" x 10"	15 Lbs.
Tuning Unit	TN-70/APQ-15	4" x 4" x 10"	15 Lbs.
Mounting Base	MT-171/U	2 1/4" x 10 5/8" x 22"	4 Lbs.
Antenna Stub	AT-41/APT	16 1/2" Long	7 Lbs.
Antenna Stub	AT-42/APT	22 1/2" Long	7 Lbs.
Antenna Stub	AT-43/APT	29" Long	7 Lbs.
Balancing Unit	CU-43/APT	35" x 2" Diam.	5 Lbs.
Balancing Unit	CU-44/APT	52" x 2" Diam.	7 Lbs.

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