

Radio Set AN/ARC-9 is a high power, multi-channel, quick shift pilot operated transmitter-receiver for installation in aircraft operating under Air Transport Command on regular route. It makes possible elimination of the liaison set and the radio operator on some routes and will permit the pilot to establish voice contact over long ranges on all routes. This combines transmitter-receiver operation on any ten pre-determined crystal controlled channels within the frequency range of 2500-13000 kilocycles.

Radio Set AN/ARC-9X is similar to AN/ARC-9 except for input voltage. The former operates from a 12/24 volts D.C. and the latter from a 24 volt D.C. source.

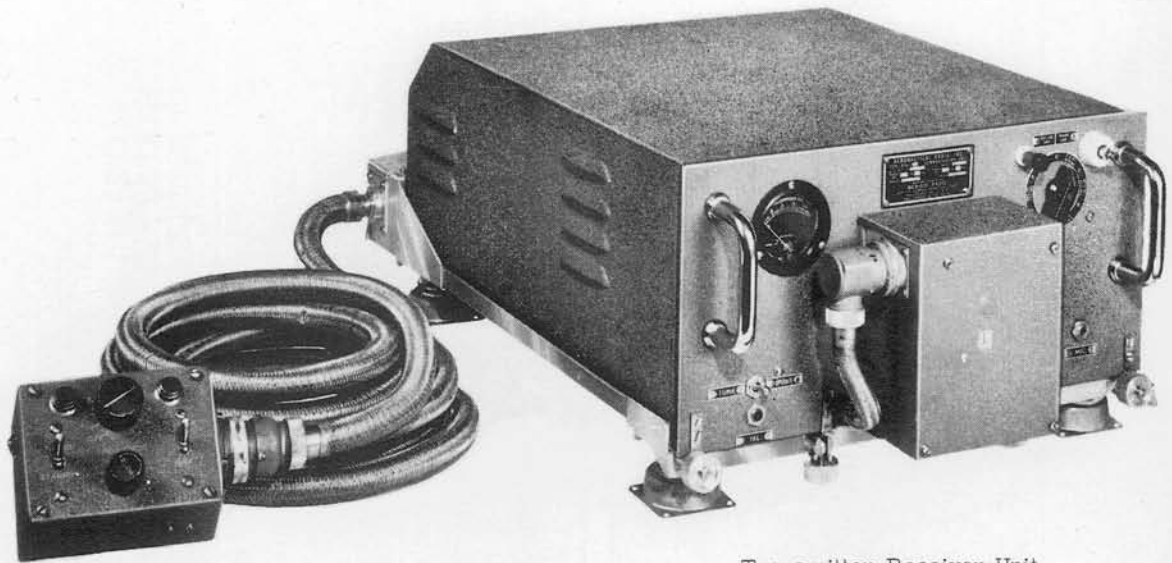
This equipment is primarily intended for transport aircraft where pilot operation is a major requirement. It is designed for installation in C-47A, C-46, C-54, C-87 and C-93 type aircraft.

Radio Set AN/ARC-9 is an interim equipment that will be used until such time as a suitable complementary receiver is developed for use with Radio Transmitting Set AN/ART-13.

Army Supply Program requirements as of 1 December 1944 were 3,530 for the calendar year 1944 and 305 for 1945.

POWER INPUT	50 WATTS @ 25 VOLTS D.C.
FREQUENCY	2.5 TO 13 MEGACYCLES: 10 FIXED CHANNELS WITHIN THIS RANGE, CRYSTAL CONTROLLED
TYPE OF SIGNAL	VOICE
RANGE	300 MILES

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
4	807	3	12SK7
1	6L6	1	12SA7
1	6V6	2	12A6
2	12C8		



Remote Control Box MS-44-F

Transmitter-Receiver Unit
RTA-1B

RADIO SET AN/ARC-9

TOTAL WEIGHT 93 LBS.

Component	Nomenclature	Size	Weight
Communication Unit	Bendix Type RTA-1B	10" x 16" x 26"	
Mounting Base	Bendix Type MT-68E	2" x 16" x 26"	
Remote Control Unit	Bendix Type MS-44F	2" x 4" x 5"	
Interconnecting Cable			

and includes right-angle plug

March 1945