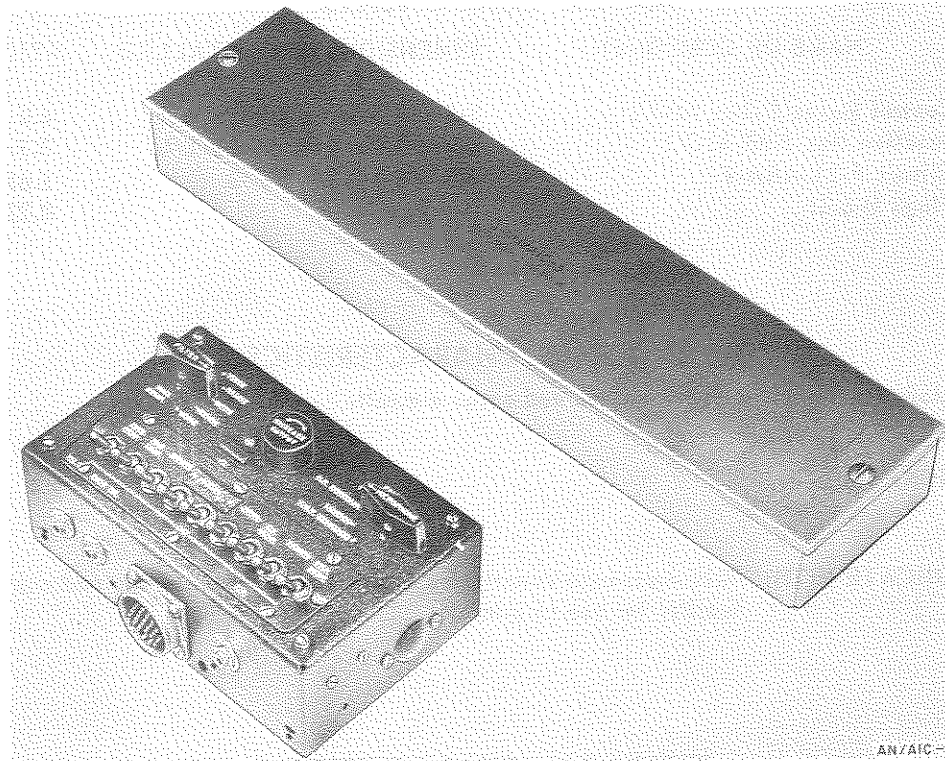


STATUS: Substitute Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Air Force
 DATE OF THIS SHEET: 26 May 52

AN/AIC-3

INTERPHONE EQUIPMENT



AN/AIC-3

Interphone Equipment AN/AIC-3 is an airborne interplane, intraplane, and air-to-ground intercommunication system normally having two to five interphone stations.

This equipment has five important functions: voice communication between any or all interphone stations; individual selection at each station of the audio output of eight radio receivers (h-f command, v-h-f command, liaison, automatic radio compass, manual radio compass, marker beacon, and any two other special receivers) and of interphone; means of switching the microphone to any one of three transmitters (h-f command, v-h-f command, and liaison transmitters) or to interphone; a "call" facility whereby all positions may be called by voice regardless of the setting of the microphone or facility switches at any of the called stations; and a "filter" facility whereby the output signal of either the automatic radio compass receiver or the manual radio compass receiver may be fed through a radio range filter (at each interphone station) to the operator.

It is designed for aircraft requiring not more than five master stations with all control facilities available at each station.

AN/AIC-3

INSTRUCTION LITERATURE:
TO 16-30AIC3-3
CLASSIFICATION OF EQUIPMENT:Unclassified
USING SERVICE : Air Force
DATE OF THIS SHEET: 26 May 52

INTERPHONE EQUIPMENT

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2-5	Control Boxes C-166/AIC-3	8-3/4 x 5-3/4 x 3-9/16	4.0 each
1	Junction Box J-90/AIC-3	20-13/32 x 4-57/64 x 2-1/16	3.3 each
2-5	Filters F-21/ARA-9	3-3/4 x 2-3/4 x 2-1/2	1.62 each
2-5	Plugs U-6/U	Not Available	0.22 each

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Installed in light bombers and cargo aircraft.

INSTALLATION: Airborne.

CAN COMMUNICATE WITH: This equipment constitutes a complete communication and control facility for use in aircraft.

TECHNICAL CHARACTERISTICS

FACILITIES AFFORDED: Intraplane communication and control of radio equipment.

TYPE CONTROLS: Manual; 3-position switch for voice, range, or both;
5-position switch for v-h-f command, liaison, and h-f command transmitters
and interphone and call.

8 individual switches for selecting audio output from various receivers.

POWER OUTPUT: Approximately 60 mw at 600-ohm impedance (per unit).

POWER REQUIREMENTS: 14 w of 24/28 v,(0.445 amp)dc (per station).

PHYSICAL CHARACTERISTICS

Two to five units are installed where needed in the aircraft. For space and weight requirements see logistical data under major components.