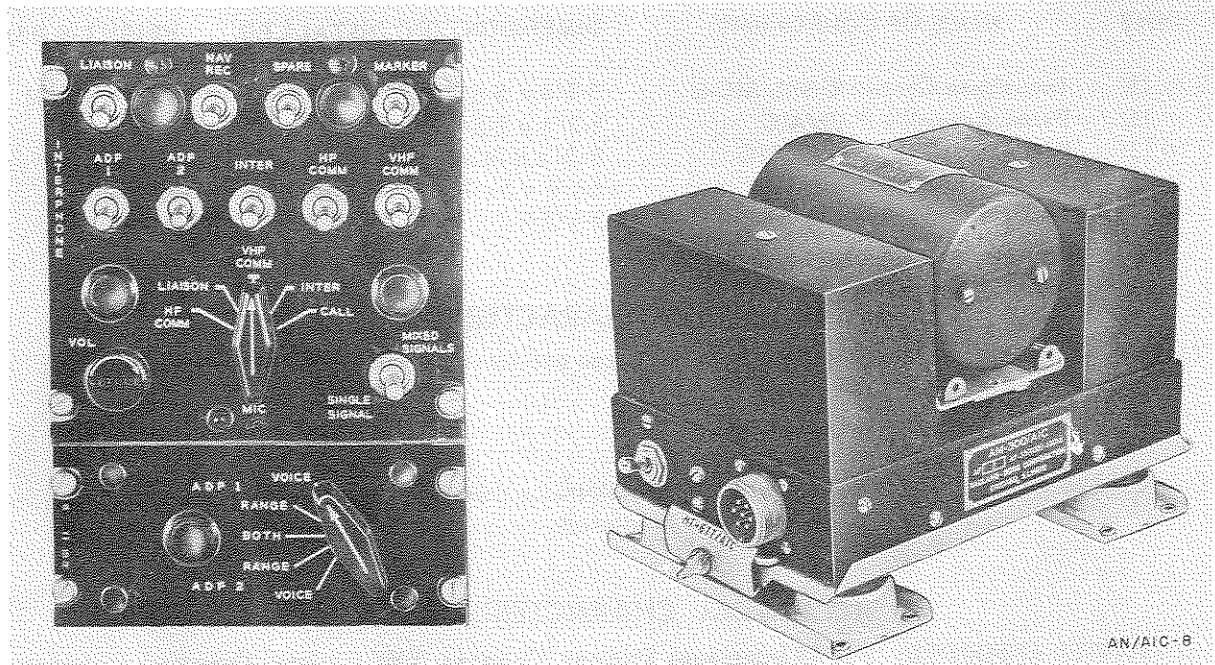


STATUS: Substitute Standard  
 CLASSIFICATION OF EQUIPMENT: Unclassified  
 USING SERVICE: Air Force  
 DATE OF THIS SHEET: 7 Jun 52

**AN/AIC-8**

INTERCOMMUNICATION SET



Intercommunication Set AN/AIC-8 is an airborne interphone for operation in multi-place aircraft requiring 2 to 15 operating positions. It is used for interplane and intraplane communication.

Basically the equipment consists of audio amplifier (including dynamotor), interphone control and filter assembly components.

The interphone control has a 5-position rotary switch for connecting the microphone to hf command, liaison, vhf command, interphone, and call circuits; toggle switches connect any one of the following circuits to the "Single Signal/Mixed Signals" switch: - liaison; navigation receiver; spare; marker; ADF-1; ADF-2; interphone; hf command; vhf command.

The two position "Single Signal/Mixed Signals" switch permits reception of any one of the 9 channels indicated above when placed in the "Single Signal" position; in the "Mixed Signals" position two or more of the channels may be monitored simultaneously by operating the appropriate switches of the 9 listed above.

The filter assembly (when used at toggle switch positions ADF-1 and ADF-2) permits reception of either one or both ADF receivers.

The filter is standard for removing tone when it is desired to use a range channel for voice communication.

<b>AN/AIC-8</b>	INSTRUCTION LITERATURE: Not Available
	CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE : Air Force	
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INTERCOMMUNICATION SET	

### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2 to 15	Interphone Control C-633/AIC-8	5-3/4 x 5-5/8 x 3-1/8	2.32 (each)
2 to 15	Filter Assembly F-90/AIC	5-3/4 x 2-5/8 x 3-1/4	1.44 "
2 to 15	Mixer Amplifier AM-142/AIC	5-1/4 x 3-1/4 x 5-1/4	2.5 "
1	AF Amplifier AM-300/AIC	5-1/8 x 5 x 7-1/2	6.0 "
2 to 15	Jack Box J-139A/AIC	3-1/2 x 2 x 1-7/8	0.375 "

### OPERATIONAL CHARACTERISTICS

**TACTICAL USE:** Installed on fighter, bomber, cargo and transport aircraft as required.

**INSTALLATION:** Aircraft shock mounted.

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

### TECHNICAL CHARACTERISTICS

**FACILITIES AFFORDED:** 2 to 15 Interphone Stations, Compass, VHF Liaison, Command, Interphone, Private Interphone, 2 ADF Receivers, Range with or without Voice Filter, Mixed Signals and Call Facilities.

**TYPE CONTROLS:** Manual.

5-position rotary switch:

hf command	interphone
liaison	call
vhf command	

5-position rotary switch:

ADF-1: voice	ADF-2: voice
range	range
voice and range	voice and range

9 toggle switches for separate or simultaneous operation of:

liaison	ADF-2
vhf nav	interphone
spare	hf command
marker	vhf command.
ADF-1	

### PHYSICAL CHARACTERISTICS

Two to fifteen of each of the station units are used to form the intercommunication system, depending upon the type of installation required. The approximate space requirements and weight of each station unit is indicated above under "Major Components".