

AN/ALQ-119, AN/ALQ-101(V), AND AN/ALQ-131 ECM POD CONFIGURATIONS

October 1980

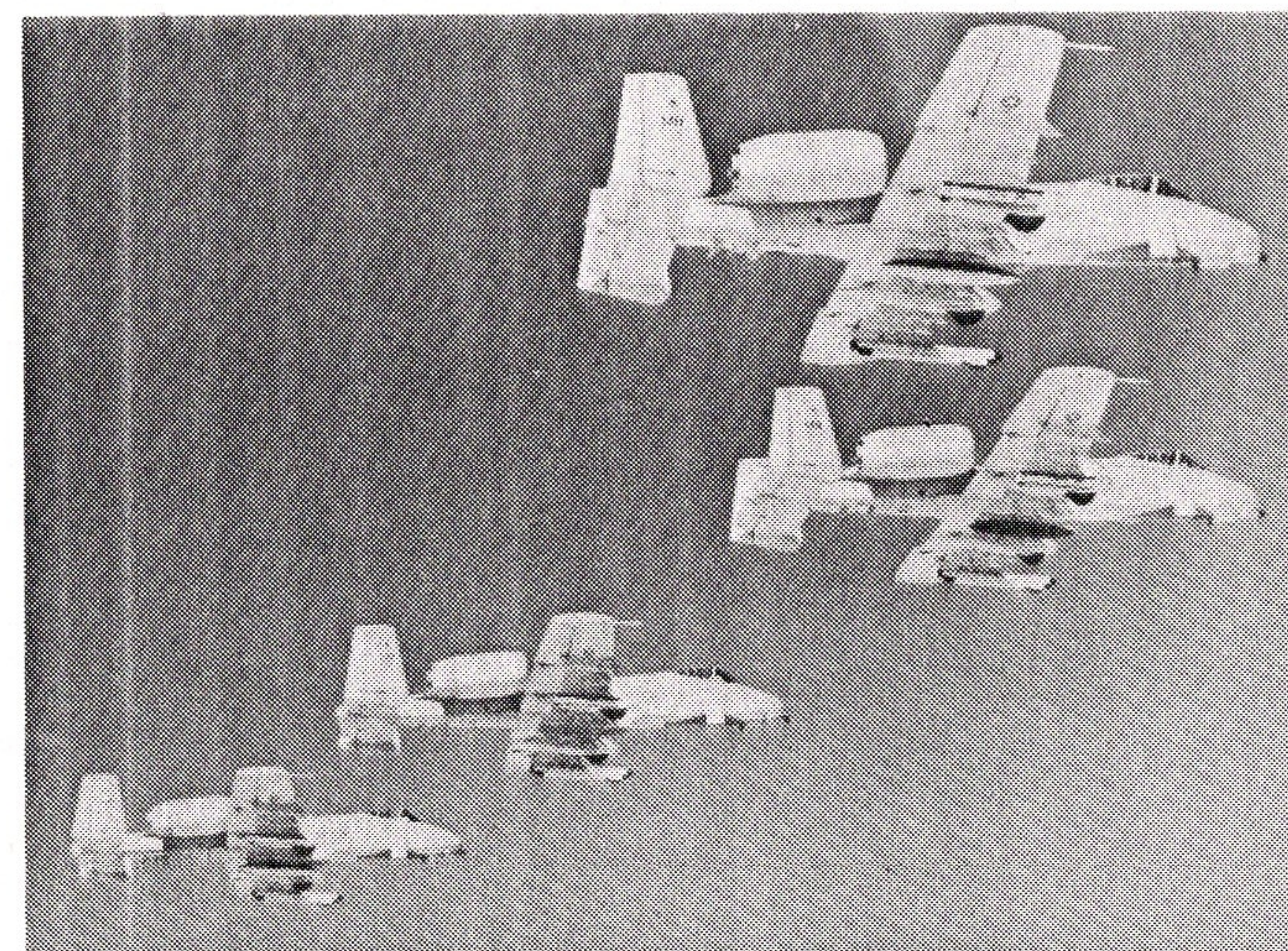
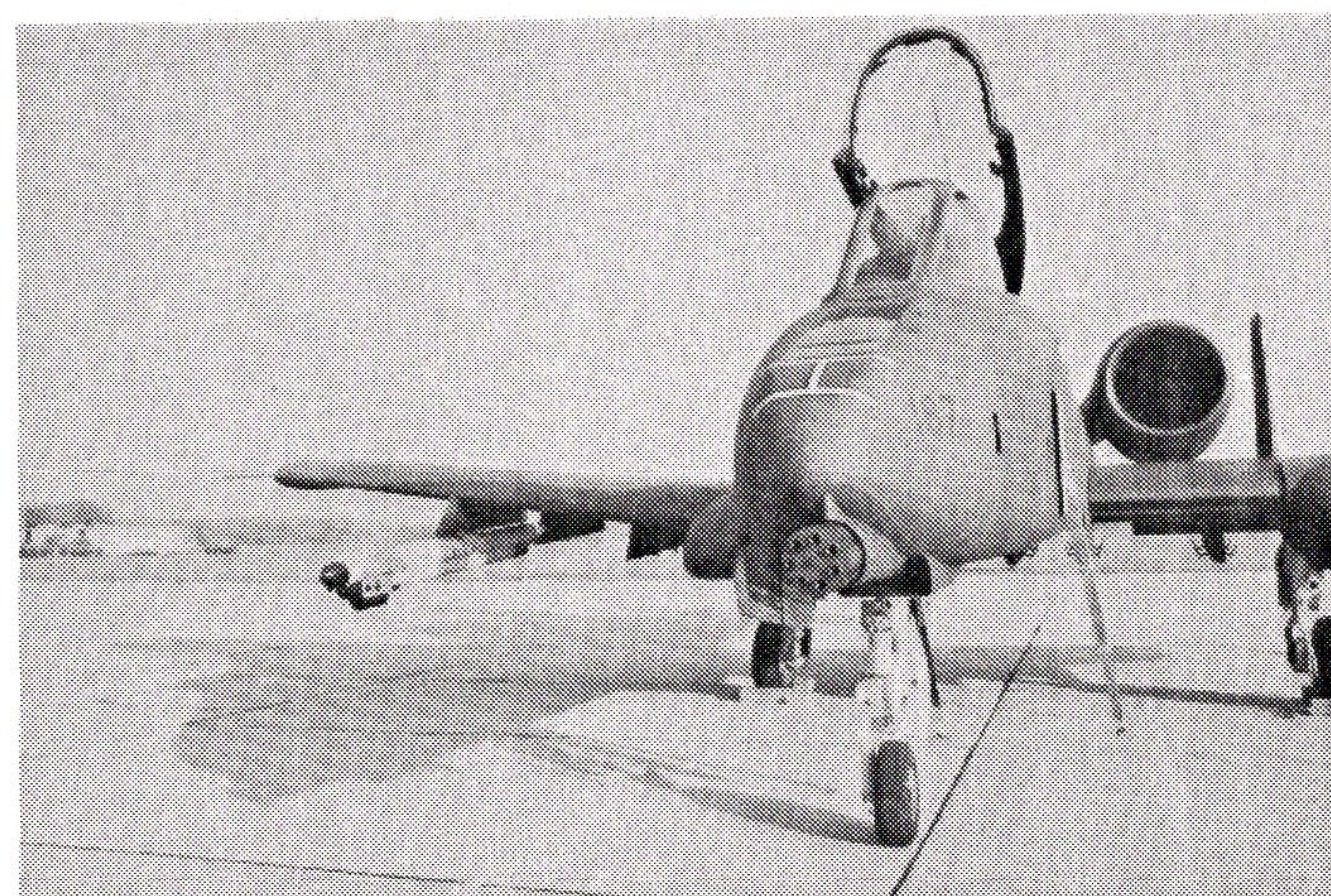
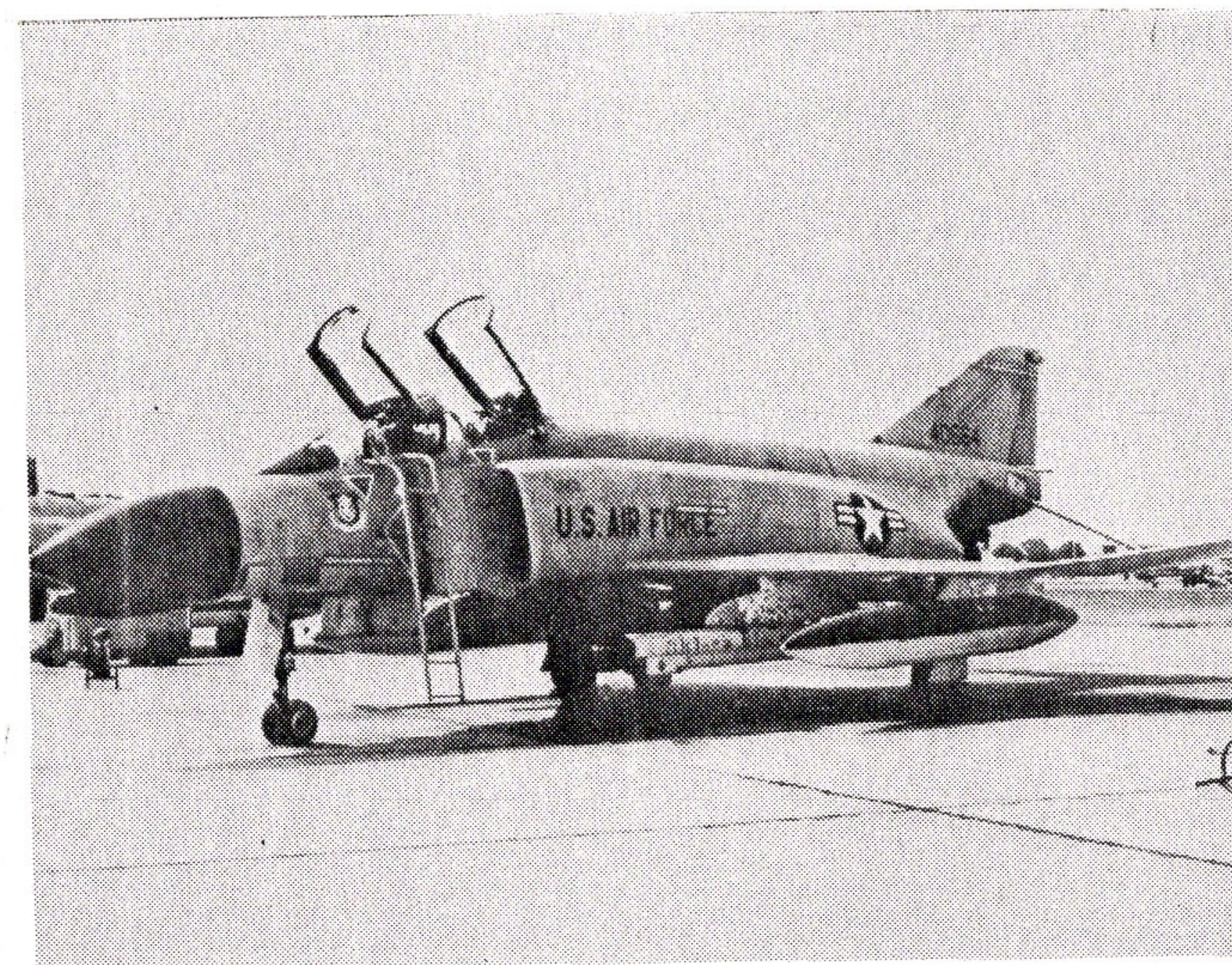
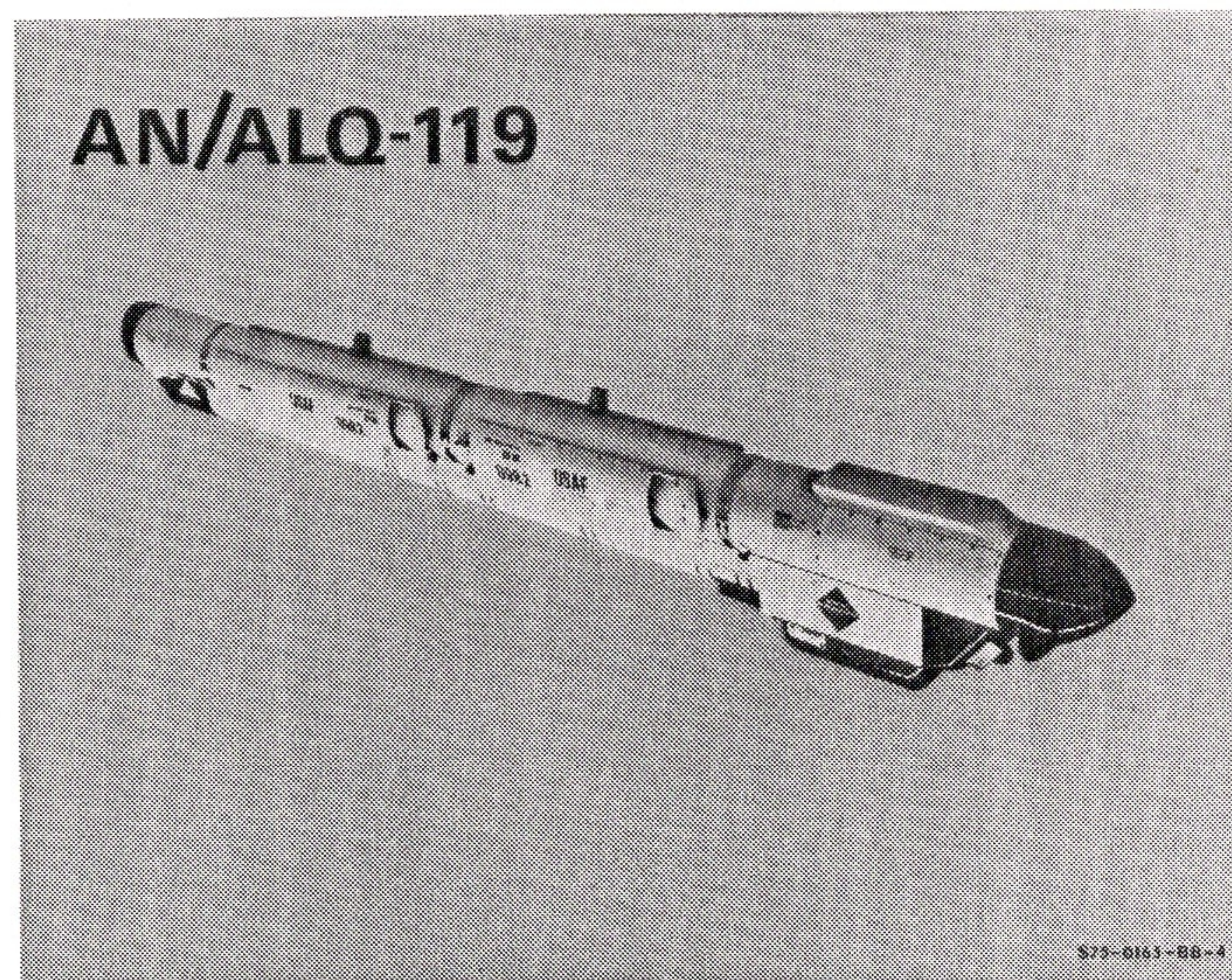
**WESTINGHOUSE DEFENSE AND ELECTRONIC
SYSTEMS CENTER
Aerospace Division
Baltimore, Maryland**

80-0977

AN/ALQ-119, AN/ALQ-101(V), AND AN/ALQ-131 ECM POD CONFIGURATIONS

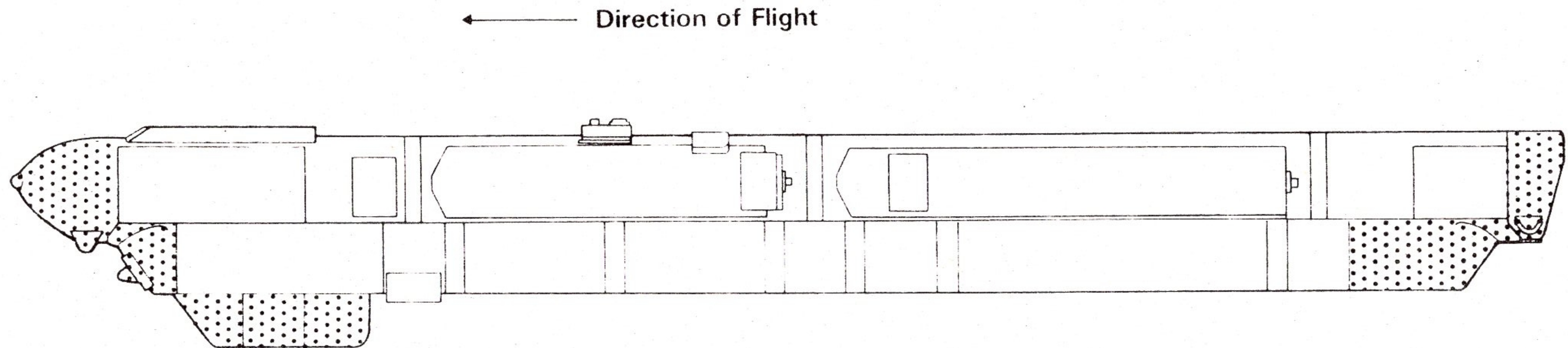
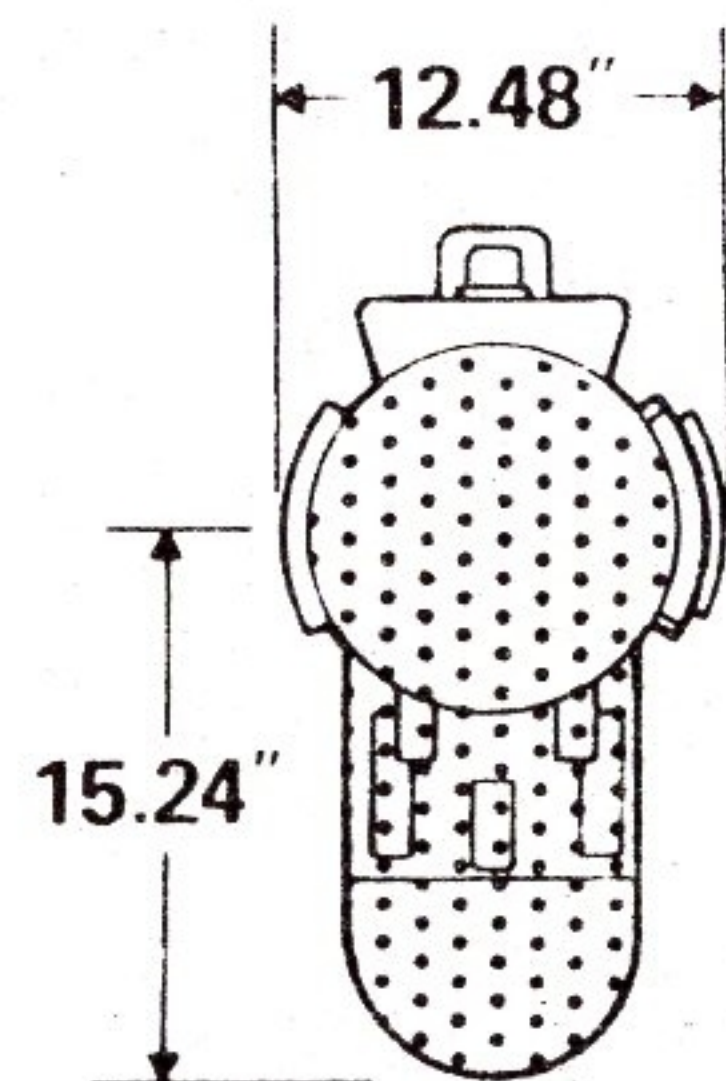
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AN/ALQ-119(V)-15

(All Band Configuration)



Size: 10" Dia X 154.8" Length with 5" Gondola

Weight: 580 Pounds

Power Req'd: 10.0 kVA, 400 Hz, 115/200V, 3-Phase

Moments of Inertia About Center of Gravity (With Lugs)

Cg 79.1 inch

Pitch 191.6 Slug Ft²

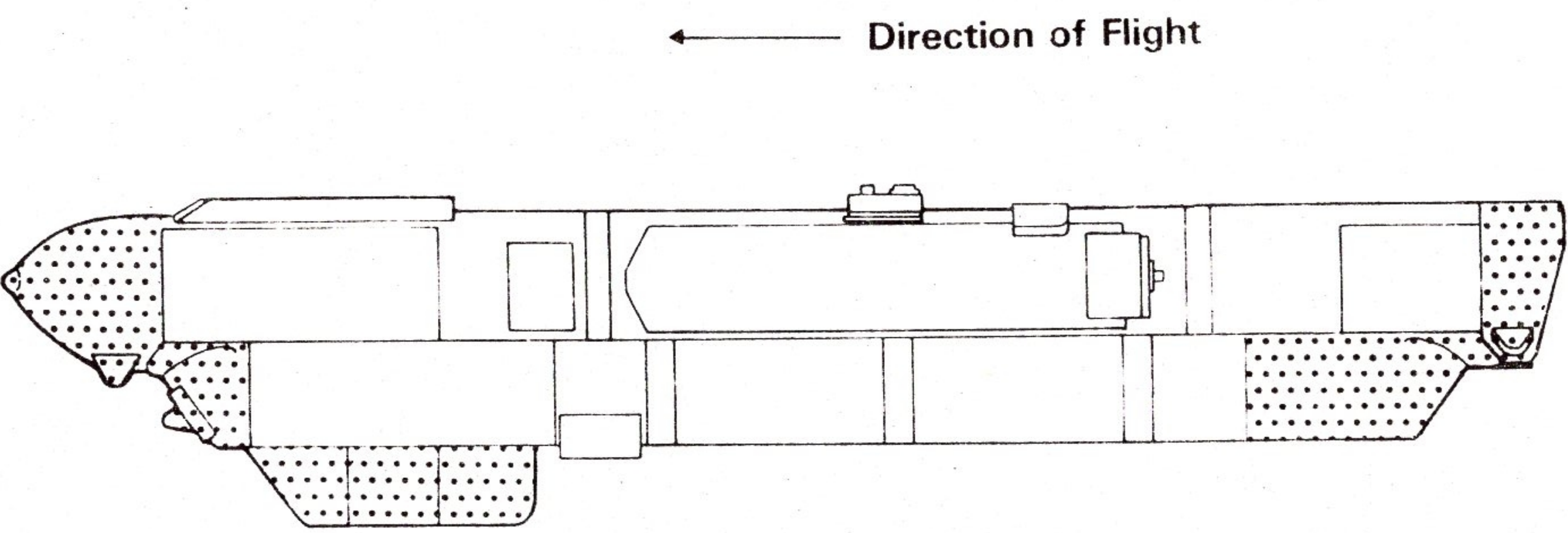
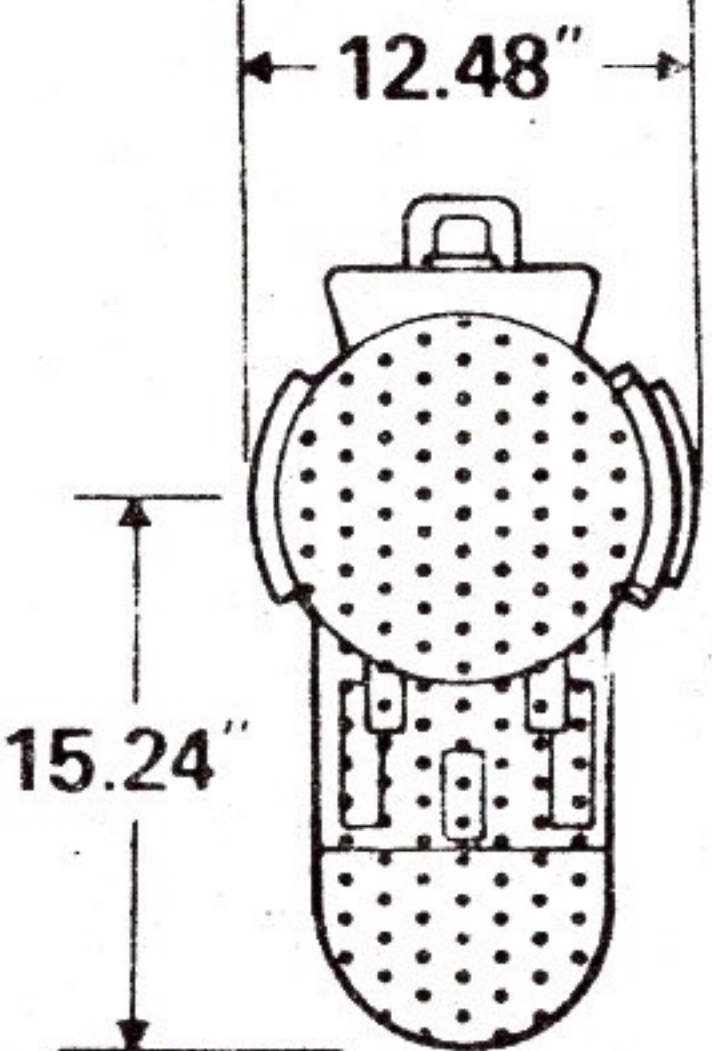
Yaw 190.6 Slug Ft²

Roll 2.67 Slug Ft²

75-0258-V-1

AN/ALQ-119(V)-16

(Low Band Configuration)

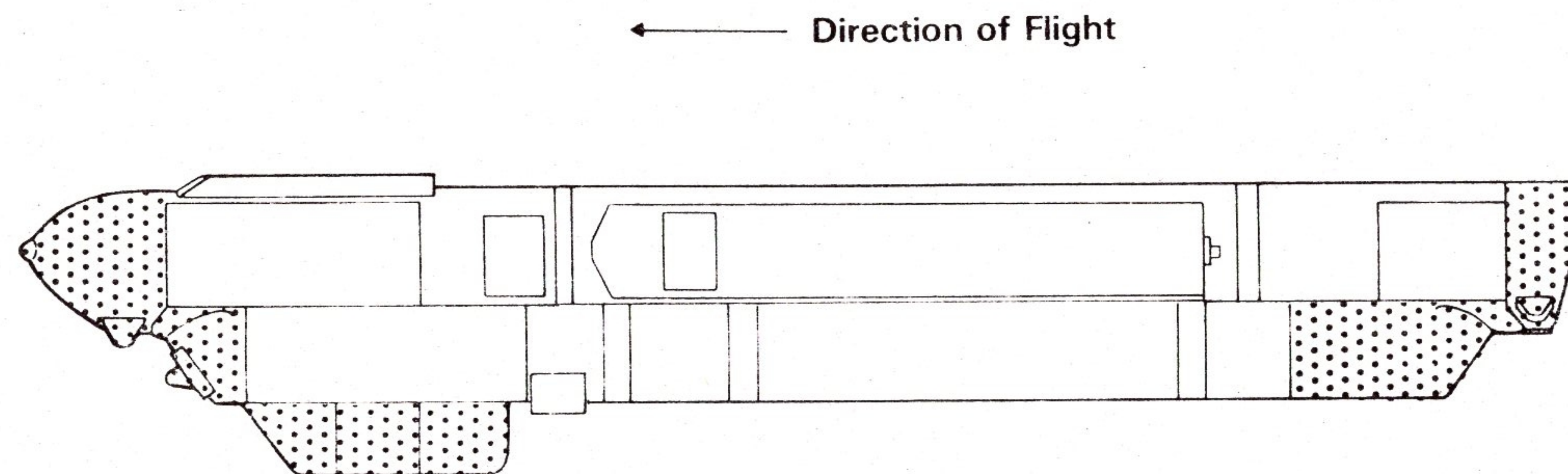
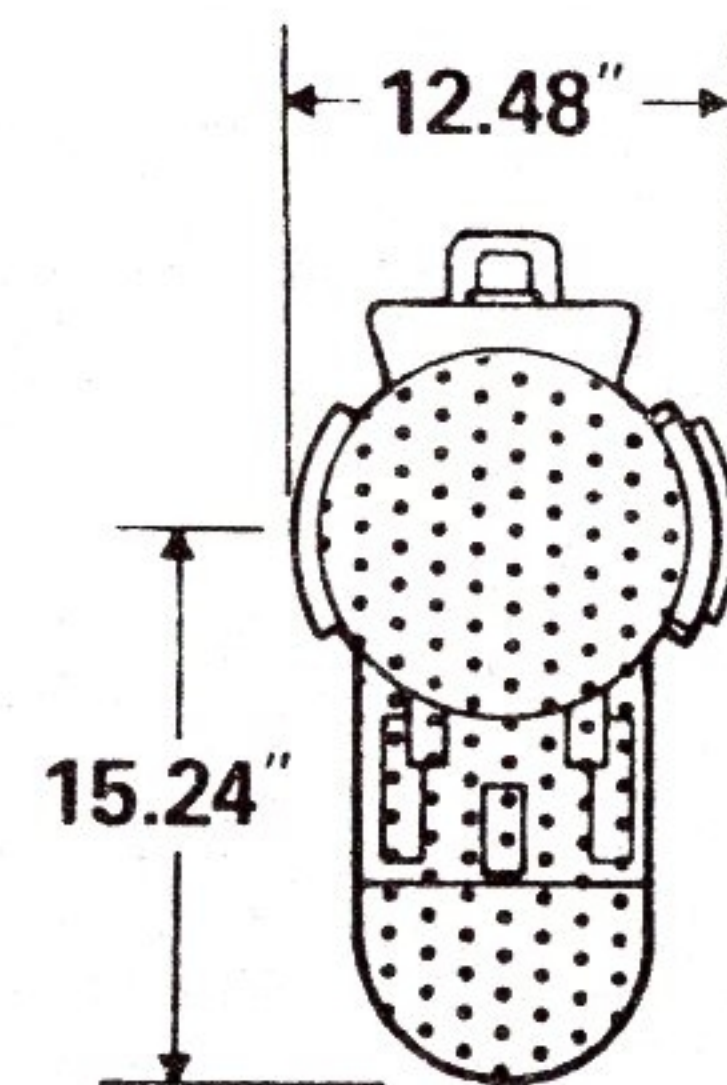


Size:	10" Dia X 104.8" Length with 5" Gondola
Weight:	319 Pounds
Power Req'd:	5.0 kVA, 400 Hz, 115/200V, 3-Phase
Moments of Inertia About Center of Gravity (With Lugs)	
Cg	50.2 inch
Pitch	43.3 Slug Ft ²
Yaw	42.5 Slug Ft ²
Roll	1.63 Slug Ft ²

75-0258-V-2

AN/ALQ-119(V)-17

(Mid-High Band Configuration)



Size: 10" Dia X 114.8" Length with 5" Gondola

Weight: 406 Pounds

Power Req'd: 7.0 kVA, 400 Hz, 115/200V, 3-Phase

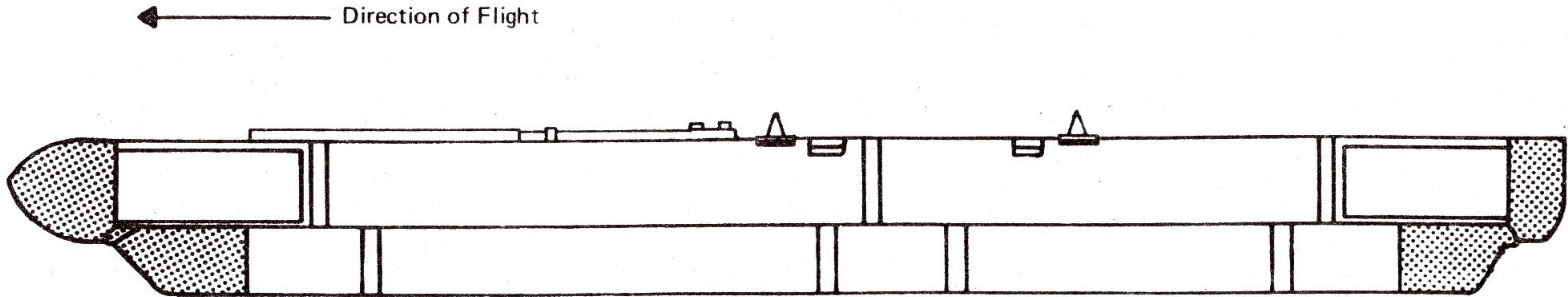
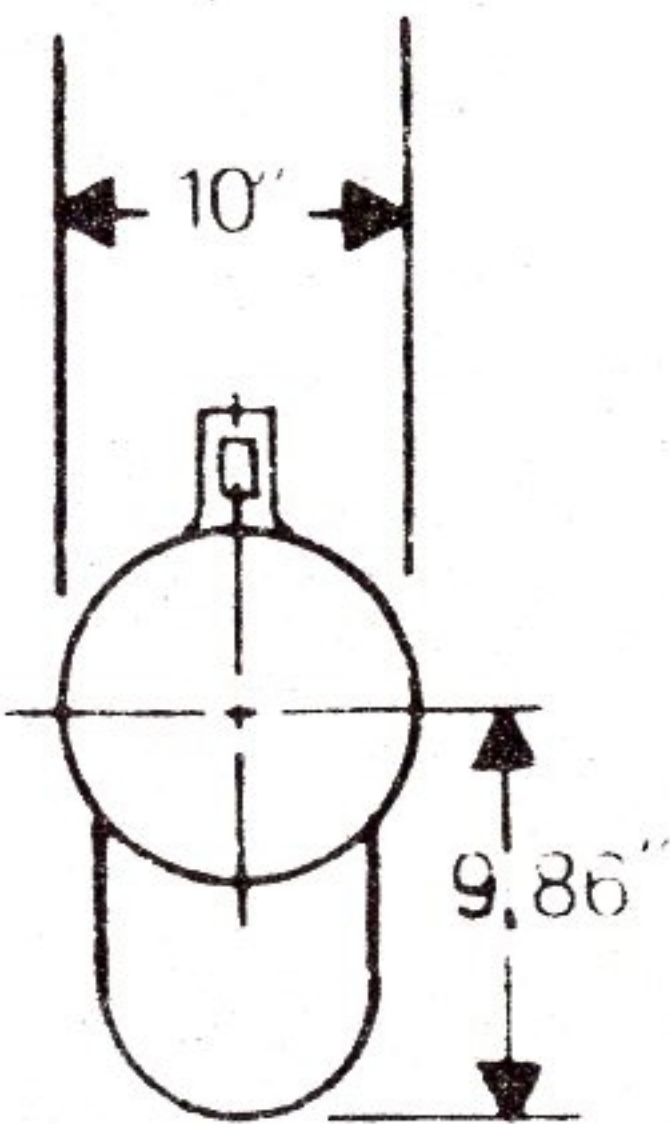
Moments of Inertia About Center of Gravity (With Lugs)

Cg	58.7 inch
Pitch	68.9 Slug Ft ²
Yaw	67.6 Slug Ft ²
Roll	1.99 Slug Ft ²

75-0258-V-4

AN/ALQ-101(V)-10

(All-Band Configuration)



Size: 10" Dia. X 157" Length with 5" Gondola

Weight: 570 Pounds

Power Req'd: 7.5 kVA, 400 Hz, 115/200 Volt, 3 Phase

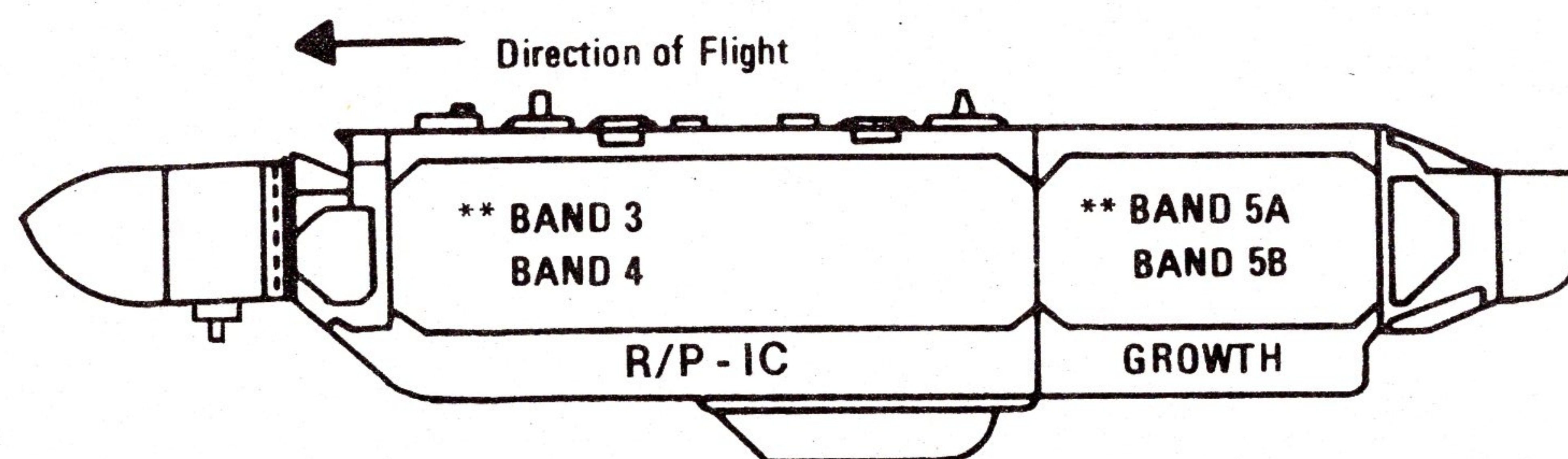
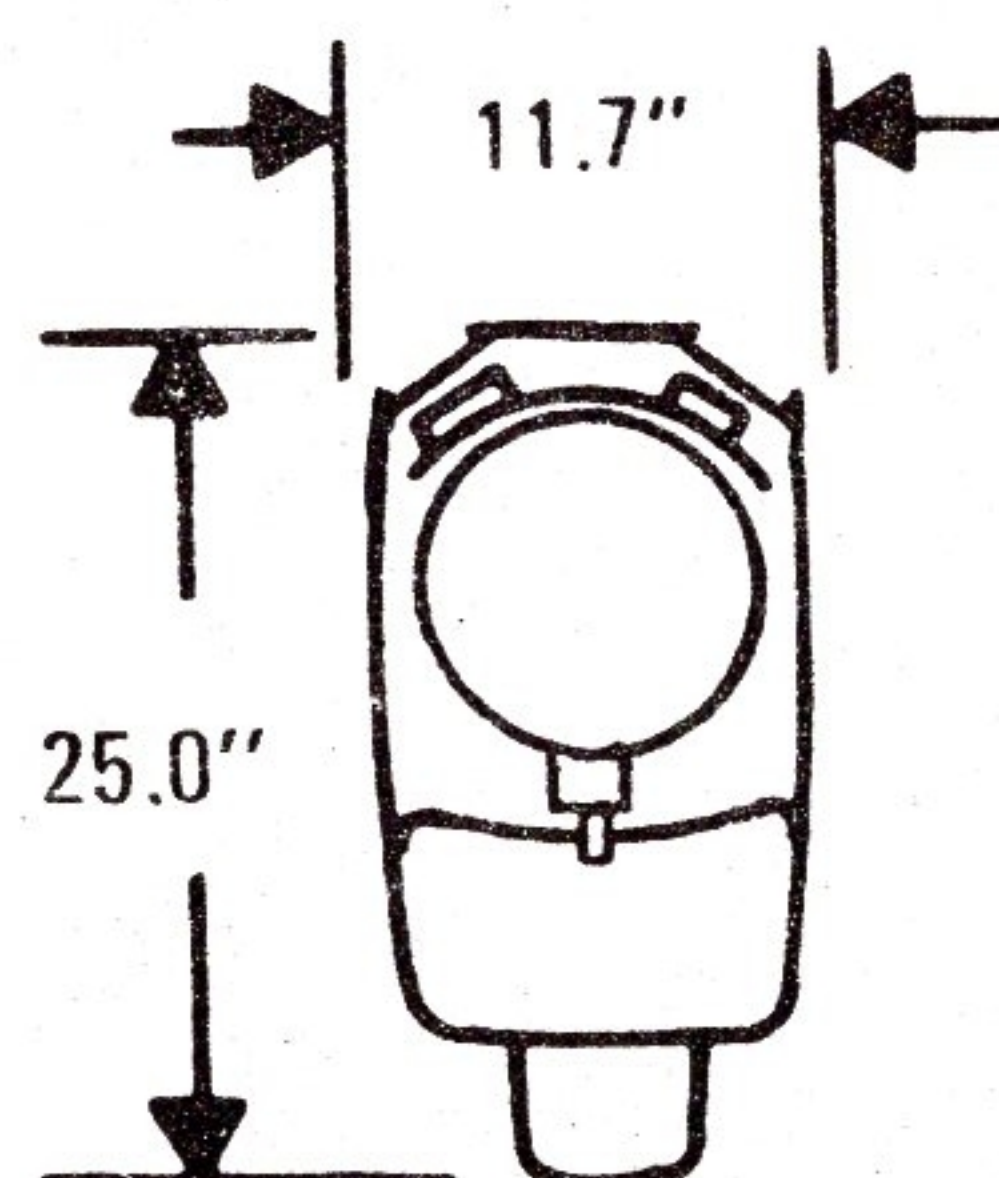
Moments of Inertia About Center of Gravity (with large lugs)

Cg	80.5"
Pitch	187.6 Slug Ft ²
Yaw	186.8 Slug Ft ²
Roll	2.19 Slug Ft ²

74-0360-VA-6-2

AN/ALQ-131 Terminal Threat Pod Option

(With Receiver-Processor)



Size:	25.0" X 11.7" Wide X 111.4" Length
Weight:	699 pounds
Power Req'd:	8.2 kVa, 400 Hz, 115/200V, 3-Phase
Moment of Inertia About Center of Gravity	
Cg	57.93"
Pitch	81.4 Slug Ft ²
Yaw	78.4 Slug Ft ²
Roll	5.01 Slug Ft ²

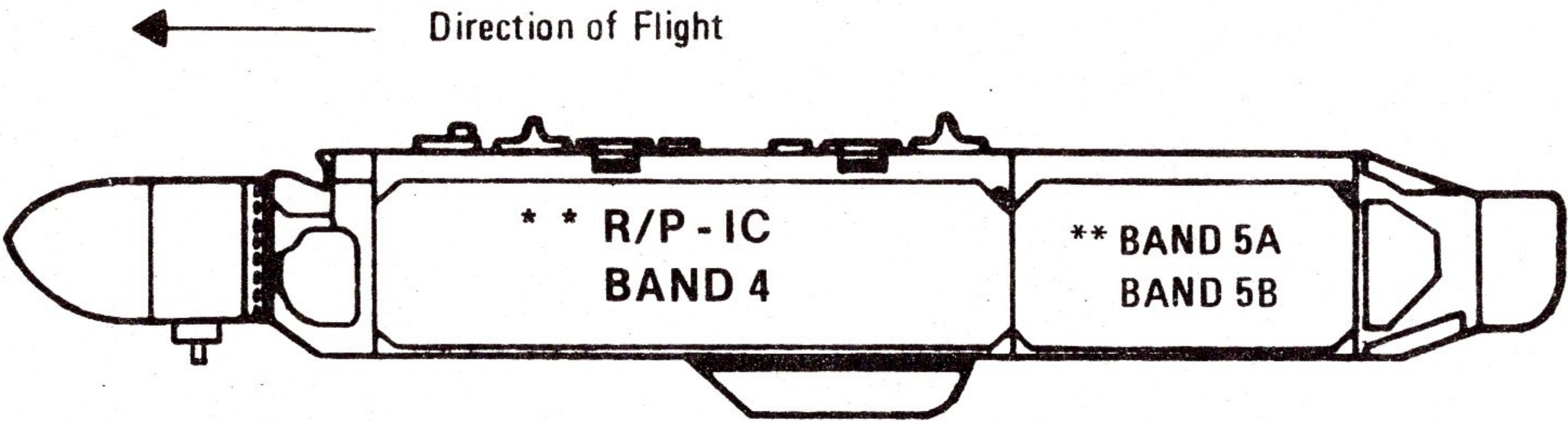
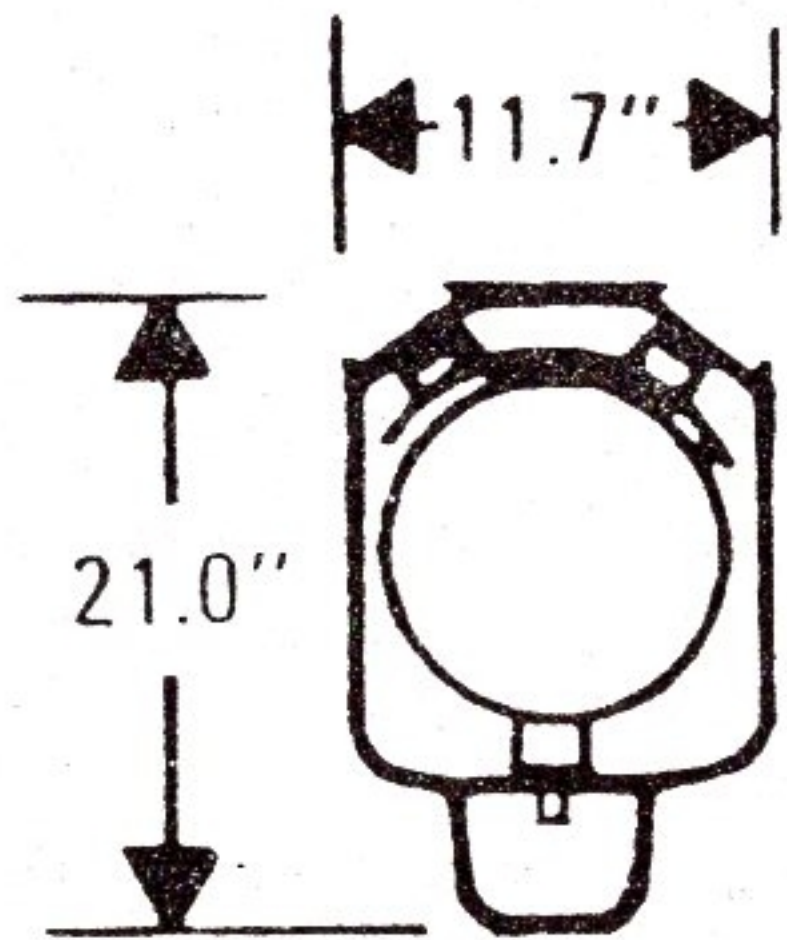
** These modules are on opposite side of pod.

R/P = Receiver Processor (Power Management Module)

IC = Interface/Control Module

75-0258-V-6 -1

AN/ALQ-131 Special Purpose (2-Band) Option



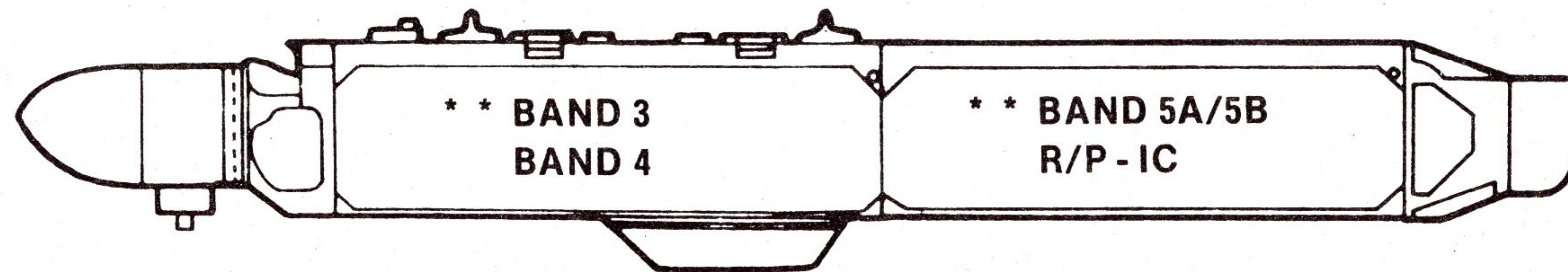
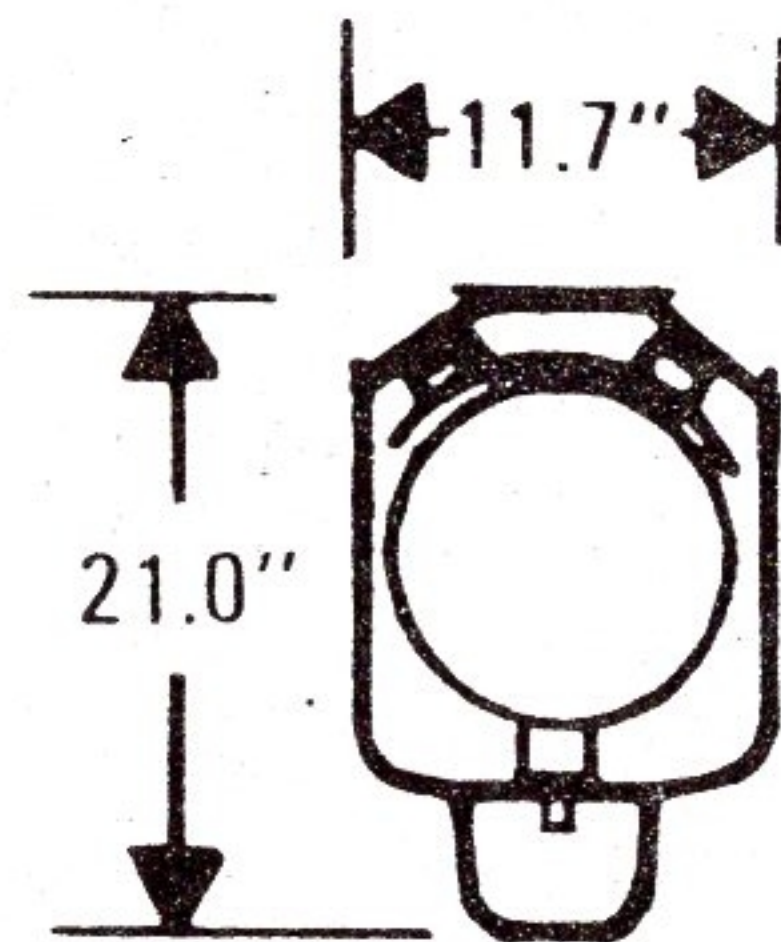
Size: 21.0" High X 11.7" Wide X 111.4" Length
Weight: 598 lbs
Power Req'd: Function of Pod Modular Configuration
Moment of Inertia About Center of Gravity

Cg	59.47"
Pitch	74.9 Slug Ft ²
Yaw	74.3 Slug Ft ²
Roll	3.43 Slug Ft ²

**These modules are on opposite side of pod.

75-0258-V-7 -1

AN/ALQ-131 Two Canister Shallow Option

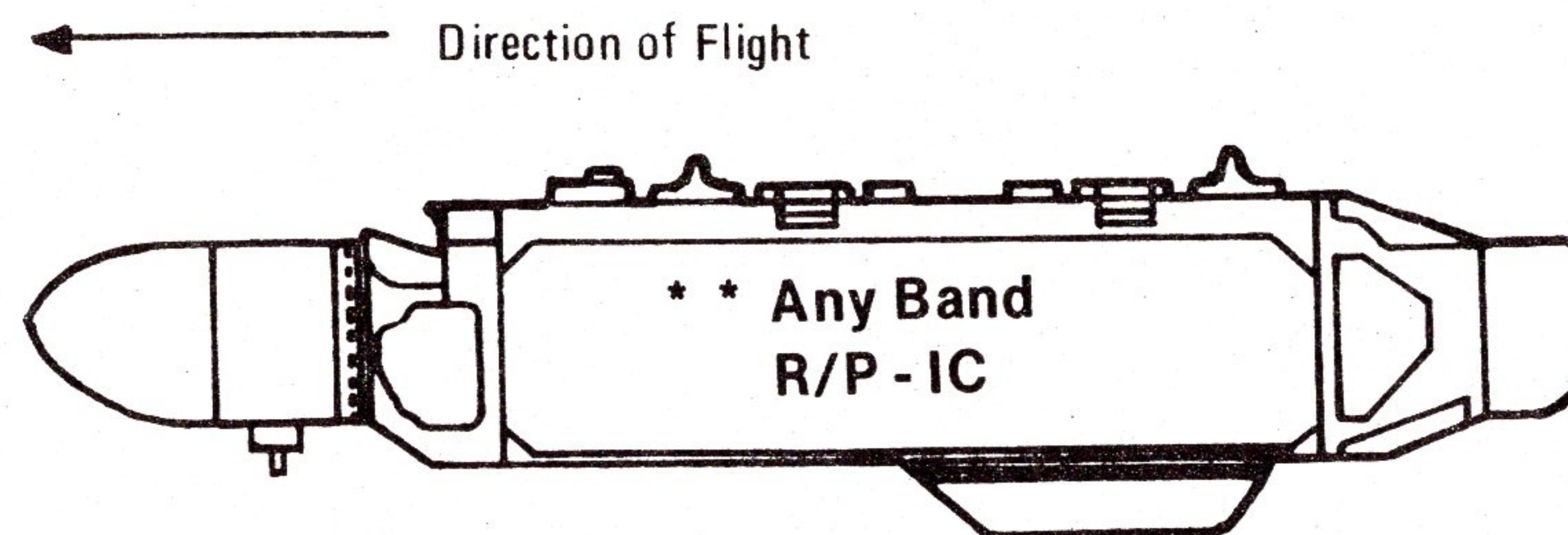
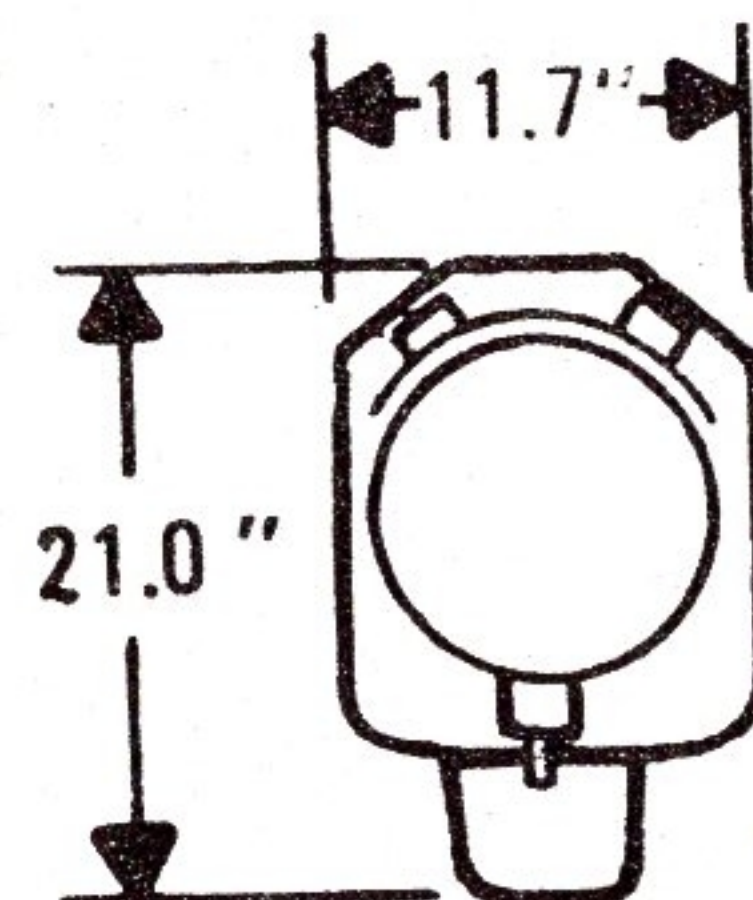


80-0365-VA-8

Size:	21.0" x 11.7" Wide x 133.0" Length
Weight:	776 Pounds
Power Req'd:	Function Of Pod Modular Configuration
Moment Of Inertia About Center Of Gravity	
Cg	70.4"
Pitch	154.0 Slug Ft ²
Yaw	153.0 Slug Ft ²
Roll	4.31 Slug Ft ²

** These Modules are on Opposite Side of Pod

AN/ALQ-131 Special Purpose (1-Band) Option



Size:	21.0" High X 11.7" Wide X 86.5" Length
Weight:	*
Power Req'd:	Function of Pod Modular Configuration
Moment of Inertia About Center of Gravity	
Cg	*
Pitch	*
Yaw	*
Roll	*

* Not Available at This Printing

** These Modules are on Opposite Side of Pod

74-0287-VA-7-2