

Unclassified

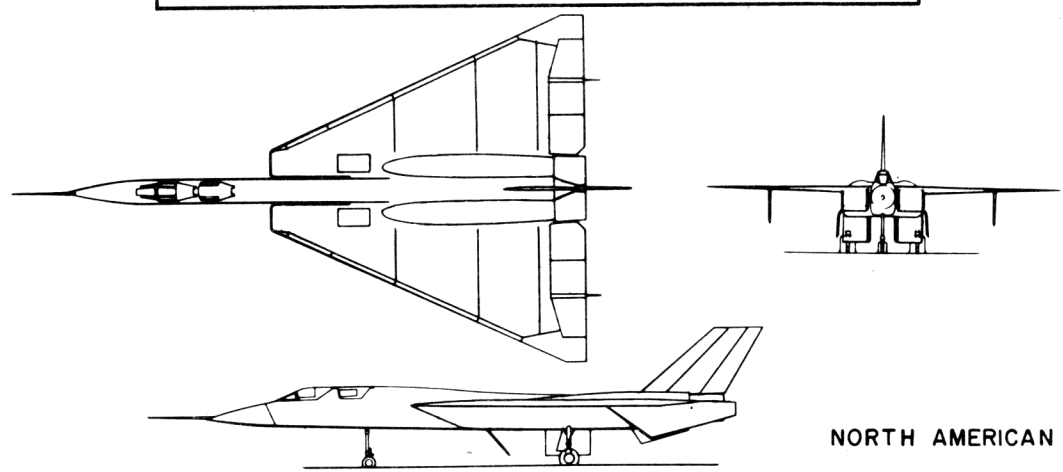
*A-1
F-108A/CAN-*

CONFIDENTIAL SECRET

PRE-MOCKUP

Characteristics Summary

FIGHTER (INTERCEPTOR) F-108 A



NORTH AMERICAN

Wing Area 1865 sq ft Length 89.0 ft
 Span 56.1 ft Height 22.4 ft

AVAILABILITY

PROCUREMENT

Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

1. Contract Date: Jun 57
2. Mock-Up Date: Jan 59 (est)
3. First Flight: Mar 61 (est)

Navy Equivalent: None

Mfr's Model: NA-257

POWER PLANT

(2) J93-GE-1

General Electric

ENGINE RATINGS

S.L.S. LB - RPM - MIN
 Max: 24,800 - 6650 - Cont
 Mil: 16,900 - 6650 - Cont
 Nor: 15,900 - 6650 = Cont

FEATURES

Crew 2
 Fire control system provides primary and auxiliary navigation, target search and detection and missile guidance.
 Pressurized fuel system
 Nitrogen fuel system purging
 Liquid oxygen system
 Engine thrust reverser
 Encapsulated crew seats
 Variable geometry inlet ducts

Black Book

Max fuel capacity: 7200 gal

ARMAMENT

Guns None
 Bombs None
 Rockets 3 x GAR-9'

Revised to reflect final configuration. Mock-up 9059 15 Dec 58

DOWNGRADED AT 3 YEAR INTERVALS;
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

*and. Ammelon 30 Dec 70
 31 Dec 67*

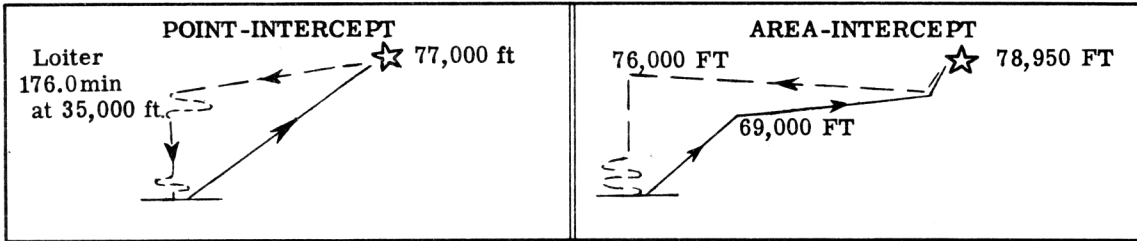
1 OCT 58
 5th Ed Addendum Nr 9

SECRET

OCT 15 1958 F-108A

574C-4983

Characteristics Summary Basic Mission F-108 A



PERFORMANCE																	
INTERCEPT	FERRY RANGE	S P E E D															
POINT Total Mission Time for Interception at 77,000 ft. Equals 192.5 minutes 883 AREA Nautical Miles at 1721 Knots Average in 1.26 hours	2281 naut. mi. with 7200 gal.fuel at 553 knots avg. in 4.12 hours at 99,640 lb.T.O. wt.	POINT COMBAT 1721 knots at 77,000 ft.alt, max.power MAX 1721 knots at 73,400 ft.alt, max.power BASIC 1526 knots at 50,000 ft.alt. max.power															
C L I M B	C E I L I N G	T A K E - O F F															
POINT 25,100 fpm. at S.L. Take-Off Weight, Max. Power	POINT 73,350 ft. at 100 fpm, Take-Off Weight, Max Power	ground run AREA 2880 ft. _____ ft. no assist assisted															
POINT 30,400 fpm. at S.L. Combat Wt., Max. Pow.	POINT 77,000 ft at 500 fpm, Combat Weight, Max. Power	over 50 ft.height AREA 4750 ft. _____ ft. no assist assisted															
L O A D	W E I G H T S	S T A L L I N G S P E E D															
Rockets 3 x GAR-9 <table border="0"> <tr> <td></td> <td>POINT</td> <td>AREA</td> </tr> <tr> <td>Fuel</td> <td>7200 gal.</td> <td>7200 gal.</td> </tr> <tr> <td>protected</td> <td>0 %</td> <td>0 %</td> </tr> <tr> <td>droppable</td> <td>0 %</td> <td>0 %</td> </tr> <tr> <td>external</td> <td>0 %</td> <td>0 %</td> </tr> </table>		POINT	AREA	Fuel	7200 gal.	7200 gal.	protected	0 %	0 %	droppable	0 %	0 %	external	0 %	0 %	Empty 49,796 lb. Combat 82,485 lb. Point 75,145 lb. Area Take-off 101,800 lb. limited by structure	AREA 119 knots power-off, landing configuration, take-off weight TIME TO CLIMB POINT ② 11.5 Min. S.L. to 77,000 Ft. Take-off Weight, Max. Power
	POINT	AREA															
Fuel	7200 gal.	7200 gal.															
protected	0 %	0 %															
droppable	0 %	0 %															
external	0 %	0 %															

- N O T E S**
- Performance Basis:
(a) Estimated Data
 - From standing start: includes 1.2 minutes for take-off and acceleration to climb speed.
 - Revision Basis:
To reflect configuration changes to the air vehicle.