

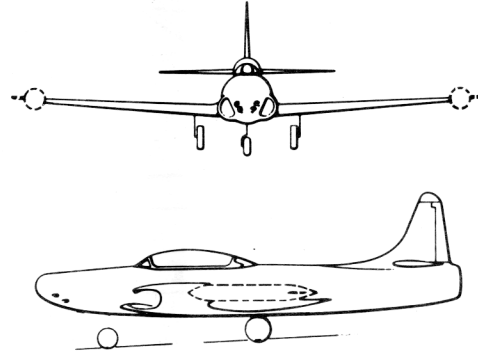
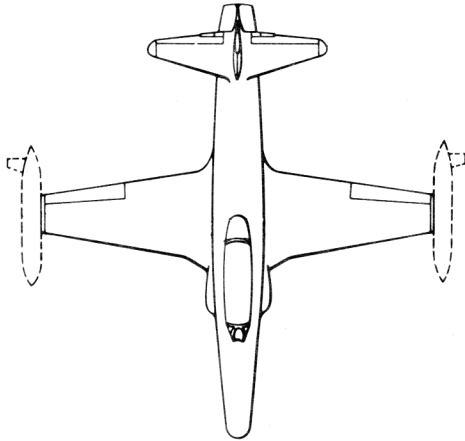
A-1
F-94B/char

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SERVICE

Characteristics Summary

FIGHTER (INTERCEPTOR).....F-94 B



LOCKHEED

Wing area 234.8 sq ft Length 40.1 ft
 Span (minus tanks) 37.5 ft Height 12.7 ft

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

STATUS

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. First Flight: Dec 50 2. First Acceptance: Dec 50 3. Production Completed: Jan 52 4. The F-94B's differ from the F-94A's by the incorporation of the following: high Navy Equivalent: None | pressure oxygen system, 1500 psi hydraulic system, windshield de-icing, zero reader, glide path receiver, localizer receiver, 5 psi cockpit pressurization and temperature regulator. |
| | Mfr's Model: 700-76-08 |

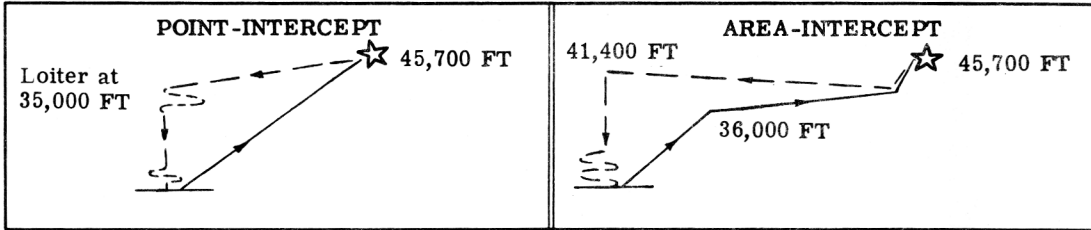
POWER PLANT	FEATURES	ARMAMENT
(1) J33-A-33 † Allison ENGINE RATINGS S.L.S. LB - RPM - MIN Max: *6000 -11,750 - 5 Mil: 4600 -11,750 - 30 Nor: 3900 -11,250 - Cont *With afterburner operating † Being modified to incorporate provisions for thermal de-icing. To be redesignated J33-A-33A. ATO No & Model. (2) 12AS-1000D4 Mfr..... Aerojet Thrust (ea)..... 1000 lb Duration (sec) 12	Crew: 2 Pressurization (5 psi) Instrument Landing System Zero Reader Hi Press. Oxygen System 1500 psi Hydraulic System E-1 Fire Control System Automatic Pneumatic Gun Chargers Max Fuel Capacity: 783 gal	Turrets: None Guns: 4 x .50 cal Ammunition (tot.): 1200 rds Max Bomb Load: *2 x 1000 lb Max Bomb Size: *1000 lb *Provisions

24 MARCH 1952

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F-94 B

Characteristics Summary Basic Mission F-94B



PERFORMANCE		
INTERCEPT	FERRY RANGE	S P E E D
<p>POINT Total Mission Time for Interception at 45,700 ft. = 84.2 minutes</p> <p>288 AREA Nautical Miles at 393 Knots Average in 1.62 hours</p>	<p>786 naut. mi</p> <p>with 783 gal fuel</p> <p>at 391 knots avg.</p> <p>in 2.06 hours</p> <p>at 16,534 lb T.O. wt.</p>	<p>POINT COMBAT 426 knots at 45,700 ft alt, max power</p> <p>MAX 511 knots at Zero ft alt, max power</p> <p>BASIC 444 knots at 40,000 ft alt, max power</p>
CLIMB	CEILING	TAKE-OFF
<p>POINT 6850 fpm. at S.L. Take-Off Wt., Max. Pow.</p>	<p>POINT 48,000 ft. at 100 fpm, Take-Off Weight, Max Power</p>	<p>ground run</p> <p>AREA 2880 ft 2220 ft no assist assisted</p>
<p>POINT 7800 fpm. at S.L. Combat Weight, Max. Power</p>	<p>POINT 45,700 ft at 500 fpm, Combat Weight, Max. Power</p>	<p>over 50 ft height</p> <p>AREA 3780 ft 2810 ft no assist assisted</p>
LOAD	WEIGHTS	STALLING SPEED
<p>Ammunition: 1200 rds/50 cal</p>	<p>Empty 10,064 lb</p> <p>Combat { 13,474 lb Point 13,474 lb Area</p> <p>Take-off { 16,844 lb Point 16,844 lb Area</p> <p>limited by mission</p>	<p>AREA 111 knots power-off, landing configuration, take-off weight</p>
<p>Fuel POINT AREA protected 8 % 8 % droppable 59 % 59 % external 59 % 59 %</p>		<p>TIME TO CLIMB</p> <p>POINT 16.5 Min S.L. to 45,700 Ft Take-off Weight, Max. Power</p>

N O T E S

- Performance Basis:
(a) Contractor's flight tests of F-94B.
- Revision Basis:
To correct format.