

## **Lockheed F-94**

- F-94A
- F-94B

## **See Also**

- Lockheed F-80/T-33 Shooting Star

F-94A										Crew: Pilot and Radar Officer														
										Maneuver DPs:														
LR/DR		2.0																						
VR		1.0																						
Power APs/DPs: ○										Turn DPs:														
CL		1/2		DT		Fuel		CL		1/2		DT												
AB		1.0		1.0		2.0		TT		0.5		1.0												
M		1.0		0.5		1.0		HT		1.0		1.5												
N		0.0		0.0		0.5		BT		1.5		2.0												
I		1.0		1.0		0.0		ET		—		—												
SPBR		1.0		1.0		—																		
Smoker in military power (SMP).					Cruise Spd. CL: 4.5    Restr. Arcs: —																			
					Climb Spd.: 3.0    Blind Arcs: 30–																			
					Visibility: 5    Internal Fuel: 103																			
					Size: +0    AtA Refuel: No																			
					Vulnerability: +1    Ejection Seat: Early																			
Speeds and Ceilings						Climb Capabilities																		
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT										
Band Ceil.		47		42		37		Speed		AB Oth		AB Oth		AB Oth										
EH+		46+		2.5 – 4.5		—		—		6.5		0.50 —		— —										
VH		36–45		2.5 – 5.0		2.5 – 5.0		2.5 – 4.5		7.0		0.50 0.25		0.50 —										
HI		26–35		2.5 – 5.5		2.5 – 5.0		2.5 – 4.0		7.0		1.00 0.50		0.50 0.25										
MH		17–25		2.0 – 5.5		2.0 – 5.5		2.5 – 4.5		7.0		1.00 0.50		0.50 0.25										
ML		8–16		2.0 – 6.0		2.0 – 5.5		2.0 – 5.0		7.5		1.00 0.50		1.00 0.50										
LO		0–7		1.5 – 6.0		2.0 – 5.5		2.0 – 5.0		7.5		1.50 1.00		1.00 0.50										
Radar:					APG-33					ECM:					IFF					Weapon Stations Diagram:				
ECCM:					0					RWR:					—									
Arcs:					180+					DDS:					—									
Search:					60–10					DJM:					—									
Track:					30–8					AJM:					—									
Lock-On:					7					BJM:					—									
Guns:					Four .50 cal M3					Technology:					Load Point Limits:					CL : < 5				
To Hit:					6/3/0					None										1/2: < 8				
Ammunition:					8.0										Weight Limit:					2,200				
Gunsight:					TT+0/HT+1/BT+2										Station					Limit				
Ranging:					RE										1 and 2					1,100				
AtA/AtG:					3/3**															Allowed Loads				
Bomb System:					Manual															FT				
Notes:																								
1. The Lockheed F-94A is an all-weather interceptor. It is derived from the T-33A trainer, but adds the APG-33 radar and the Hughes E-1 fire-control system. It is armed with four .50-cal machine guns, and the fire-control system allows them to be fired under radar control.																								
2. High transonic drag (HTD).																								
3. The E1 all-weather fire-control system allows the guns to be fired on targets that are unsighted but tracked by radar if the radar-ranging attempt succeeds.																								
VPs: 10/7/3/2																								

F-94B										Crew: Pilot and Radar Officer																			
										Maneuver DPs:																			
LR/DR 2.0																													
VR 1.0																													
Turn DPs:																													
Power APs/DPs: ○					CL 1/2 DT																								
					AB 1.0 1.0 1.0 2.0																								
					M 1.0 0.5 0.5 1.0																								
					N 0.0 0.0 0.0 0.5																								
					I 1.0 1.0 1.0 0.0																								
SPBR 1.0 1.0 1.0 —					Cruise Spd. CL: 4.5					Restr. Arcs: —																			
Smoker in military power (SMP).					Climb Spd.: 3.0					Blind Arcs: 30–																			
					Visibility: 5					Internal Fuel: 103																			
					Size: +0					AtA Refuel: No																			
					Vulnerability: +1					Ejection Seat: Early																			
Speeds and Ceilings										Climb Capabilities																			
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT															
Band Ceil.		47		42		37		Speed		AB Oth		AB Oth		AB Oth															
EH+		46+		2.5 – 4.5		—		—		6.5		0.50 —		— —		— —													
VH		36–45		2.5 – 5.0		2.5 – 5.0		2.5 – 4.5		7.0		0.50 0.25		0.50 —		0.50 —													
HI		26–35		2.5 – 5.5		2.5 – 5.0		2.5 – 4.0		7.0		1.00 0.50		0.50 0.25		0.50 0.25													
MH		17–25		2.0 – 5.5		2.0 – 5.5		2.5 – 4.5		7.0		1.00 0.50		1.00 0.50		0.50 0.25													
ML		8–16		2.0 – 6.0		2.0 – 5.5		2.0 – 5.0		7.5		1.00 0.50		1.00 0.50		1.00 0.50													
LO		0–7		1.5 – 6.0		2.0 – 5.5		2.0 – 5.0		7.5		1.50 1.00		1.50 1.00		1.00 0.50													
Radar:					APG-33					ECM:					IFF					Weapon Stations Diagram:									
ECCM:					0					RWR:					—														
Arcs:					180+					DDS:					—														
Search:					60–10					DJM:					—														
Track:					30–8					AJM:					—														
Lock-On:					7					BJM:					—														
Guns:					Four .50 cal M3					Technology:					Load Point Limits:					CL : < 5									
To Hit:					6/3/0					None										1/2: < 8									
Ammunition:					8.0										Weight Limit:					3,600 DT : ≥ 8									
Gunsight:					TT+0/HT+1/BT+2										Station					Limit					Allowed Loads				
Ranging:					RE										1 and 2					1,800					FT				
AtA/AtG:					3/3**										Load Notes:														
Bomb System:					Manual										1. The wing-tip stations 1 and 2 usually carry 230 gal (850L) FTs, each with a weight of 1800, 3.5/2.5 load points, and 75 fuel points.														
Notes:																													
1. The Lockheed F-94B is an all-weather interceptor. It is a development of the F-94A and features a more reliable engine and modifications to the cockpit. It retains the APG-33 radar and the Hughes E-1 fire-control system. It is armed with four .50 cal machine guns, and the fire-control system allows them to be fired under radar control.																													
2. High transonic drag (HTD).																													
3. The E1 all-weather fire-control system allows the guns to be fired on targets that are unsighted but tracked by radar if the radar-ranging attempt succeeds.																													
VPs: 10/7/3/2															v3 0000000 0000-00-00T00:00:00														