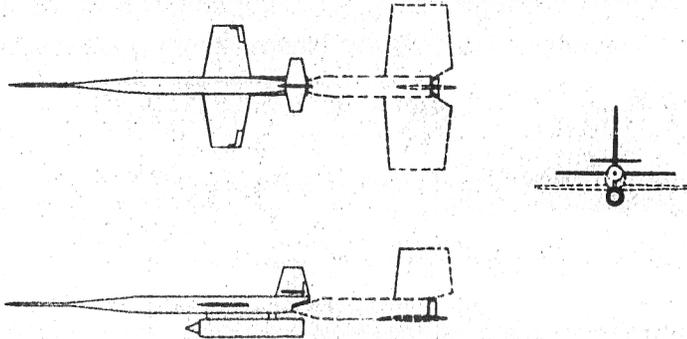


# Characteristics Summary

RESEARCH . . . . . X-7



LOCKHEED

Wing Area . . . . . N.A. Length . . . . . 32.9 ft  
 Span . . . . . 12.0 ft Height . . . . . 7.0 ft

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

**STATUS**

1. Project Initiated: 8 Dec 46
2. First Flight: 26 Apr 51

**POWER PLANT**

SUSTAINER  
 \*(1) XRJ43-MA-1  
 or Marquardt  
 \*\*(1)XRJ43-MA-3  
 or  
 \*\*\*(1)XRJ47-W-1 Wright

THRUST RATINGS

ALT	LB	MACH
*80,000 ft	- 670	- 3.0
**60,000 ft	- 1730	- 2.5
***35,000 ft	- 8260	- 3.0

BOGSTER  
 No. & Model (1)4DS-105,000  
 Mfr. Allegheny Ballistics Lab  
 Thrust (lb) . . . . . 105,000  
 Duration (sec) . . . . . 4

**FEATURES**

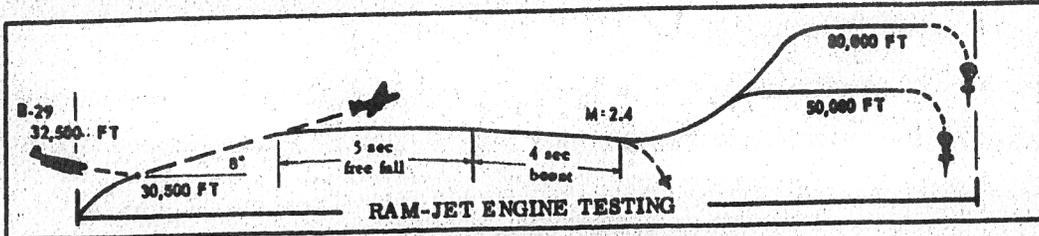
Telemetry Equipment  
 Recovery by Parachute and  
 Ground Penetration  
 Spikes

Max Fuel Cap: 60 gal

**GUIDANCE**

SYSTEM  
 Model . . . . . MX-1059  
 Mfr . . . . . Lear  
 Type . . . . . Electrical Auto-  
 pilot and Pre-set Program  
 Director

*Characteristics Summary Basic Mission* . . . . . X-7



**PERFORMANCE**

<b>ENDURANCE</b>	<b>RANGE</b>	<b>SPEED</b>
3 minutes at M = 3.0 at 50,000 ft 10 minutes at M = 3.0 at 80,000 ft	100 naut mi. with N.A. lb payload at 1553 knots avg. in 3.86 hours	MAX 1725 knots at 50,000 ft alt, max power

<b>LAUNCHING</b>	<b>CLIMB</b>	<b>ALTITUDE</b>
Air launched from B-29 parent airplane and boosted to supersonic speeds	NOT AVAILABLE sea level, launching wt., max power	Launch 30,500 ft.
	NOT AVAILABLE ft alt, begin cruise wt., max power	End Cruise 80,000 ft.

<b>LOAD</b>	<b>WEIGHTS</b>	<b>TARGET ACCURACY</b>
Payload: None  Fuel: 60 gal protected 0 % droppable 0 % external 0 %	Empty (X-7) 2570 lb (Booster) 3250 lb End Cruise lb Design 3000 lb Launch =8300 lb *Includes booster	NOT APPLICABLE

**NOTES**

1. PERFORMANCE BASIS:  
(a) Estimated data (Not substantiated by WADC)
2. REVISION BASIS: Initial Issue