

Orbital Sciences X-34 Reusable Launch Vehicle

1/72 scale resin model kit

#AA-2012

In early 90s, with the cold war ended, many ICBMs were deemed redundant. NASA proposed these retired military missiles be converted to demonstrate a low cost, small payload launch mission. According to these objectives, Orbital Sciences Corp submitted a cheaper reusable launch vehicle proposal to NASA and was awarded a contract to develop the X-34 unmanned test bed in 1996. The X-34 demonstrator was designed to test many new technologies and operational practices. It consisted of air-launch from the Lockheed L-1011 carrier aircraft, after reaching altitudes up to 250K ft, then followed by reentry and landing. There were three X-34s built. The 1st vehicle was tested captive carry flight in 1999. The 2nd X-34 was expected to make the first powered flight during late 2000. However, due to the funding constraints, NASA cancelled the project in March 2001.

Specifications:

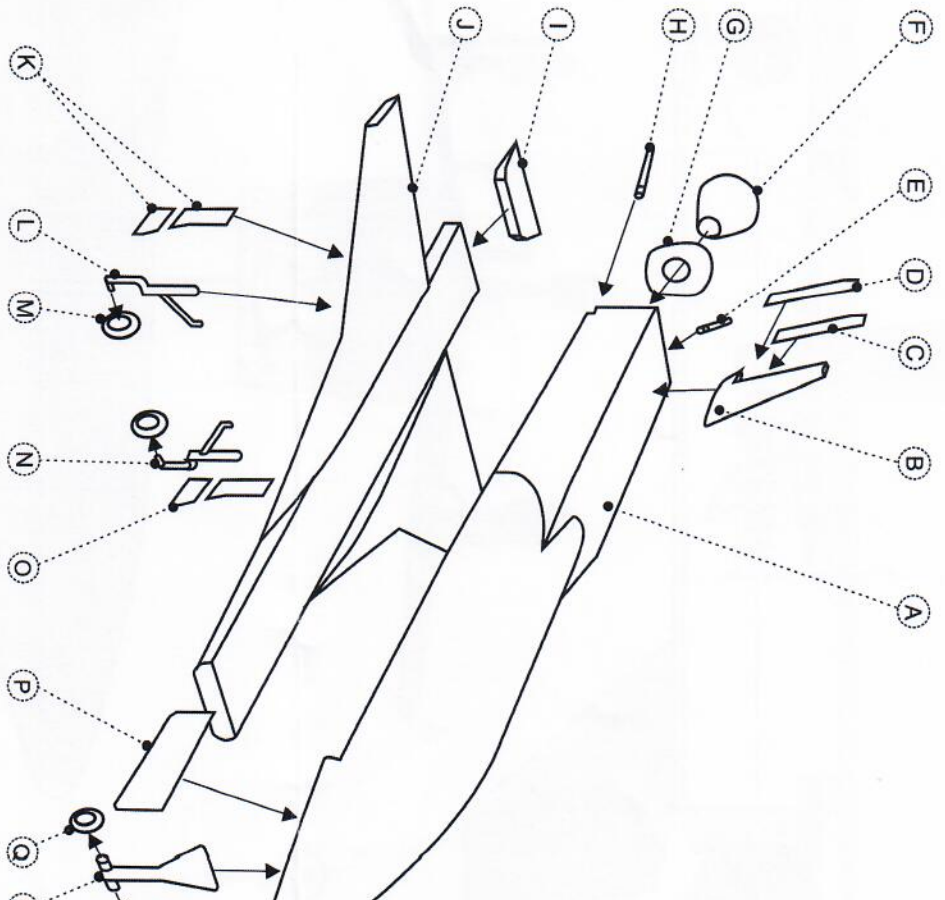
Wingspan -	27'8"
Length -	58'4"
Height -	11'6"
Powerplants -	Marshall MC-1 Fastrac rocket engine
Crew -	none
Max speed -	Mach 8

As the proposed mission, Lockheed L-1011 was used to transport the X-34 to launch altitude.



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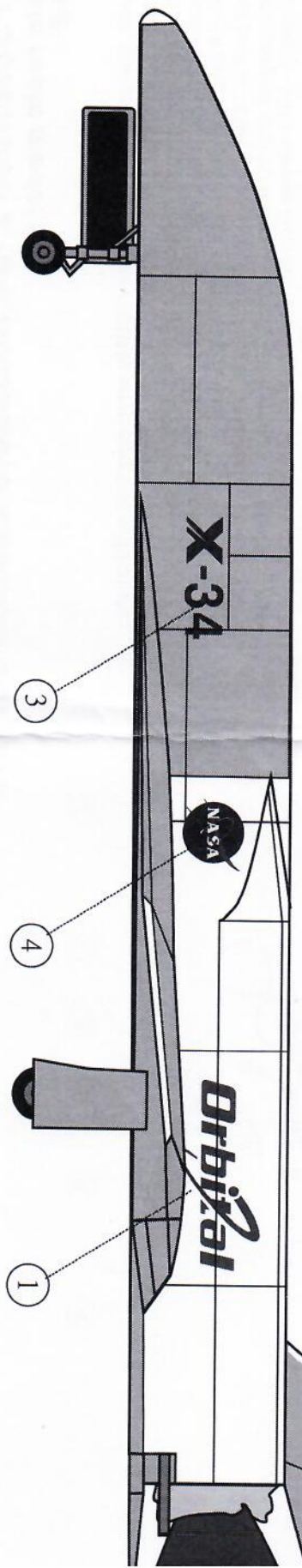
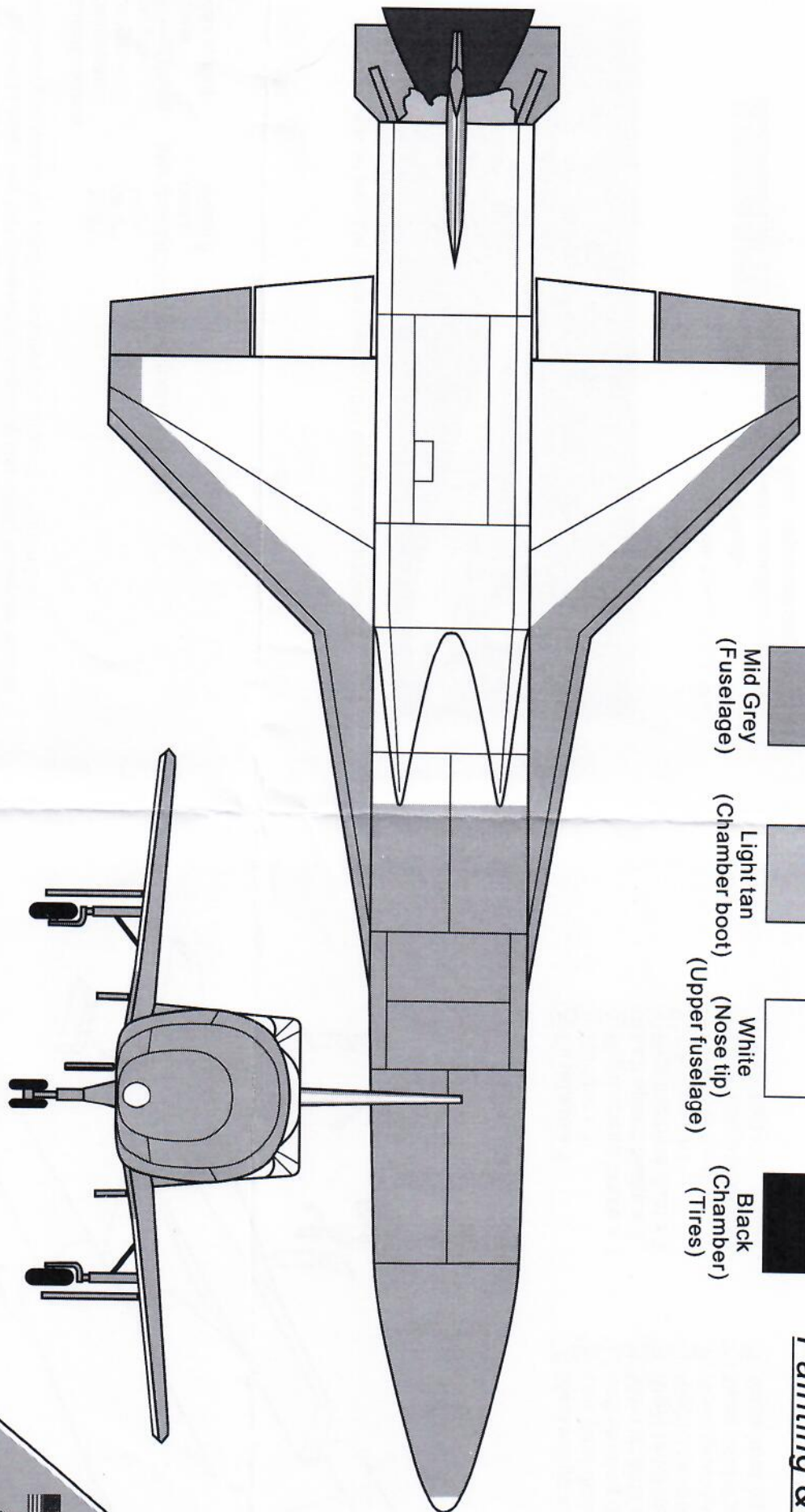
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- A Fuselage x 1
- B Rudder x 1
- C Right speed brake x 1
- D Left speed brake x 1
- E Right turbine duct x 1
- F Chamber boot x 1
- G Chamber duct x 1
- H Left turbine duct x 1
- I Body flap x 1
- J Main wings x 1
- K Left gear door x 1
- L Left landing gear x 1
- M Main wheels x 2
- N Right landing gear x 1
- O Right gear door x 1
- P Nose gear door x 1
- Q Nose wheel x 2
- R Nose landing gear x 1

Painting & Dec.

- Mid Grey (Fuselage)
- Light tan (Chamber boot)
- White (Nose tip) (Upper fuselage)
- Black (Chamber) (Tires)



Orbital ATK X-34