

## Terrier Sandhawk Sounding Rocket

### 1/25 Scale Paper Model



The Terrier Sandhawk sounding rocket was developed by the Sandia Laboratories.

The first stage booster consisted of a Terrier MK.12 Mod.1 rocket motor with four 0.22 m<sup>2</sup> fin panels arranged in a cruciform configuration. The Terrier booster has an overall diameter of 45.7 cm.

The second stage propulsion unit is a Thiokol Sandhawk TE-M-473 rocket motor which was designed especially for high altitude research rocket applications. The rocket was unguided and fin stabilized.

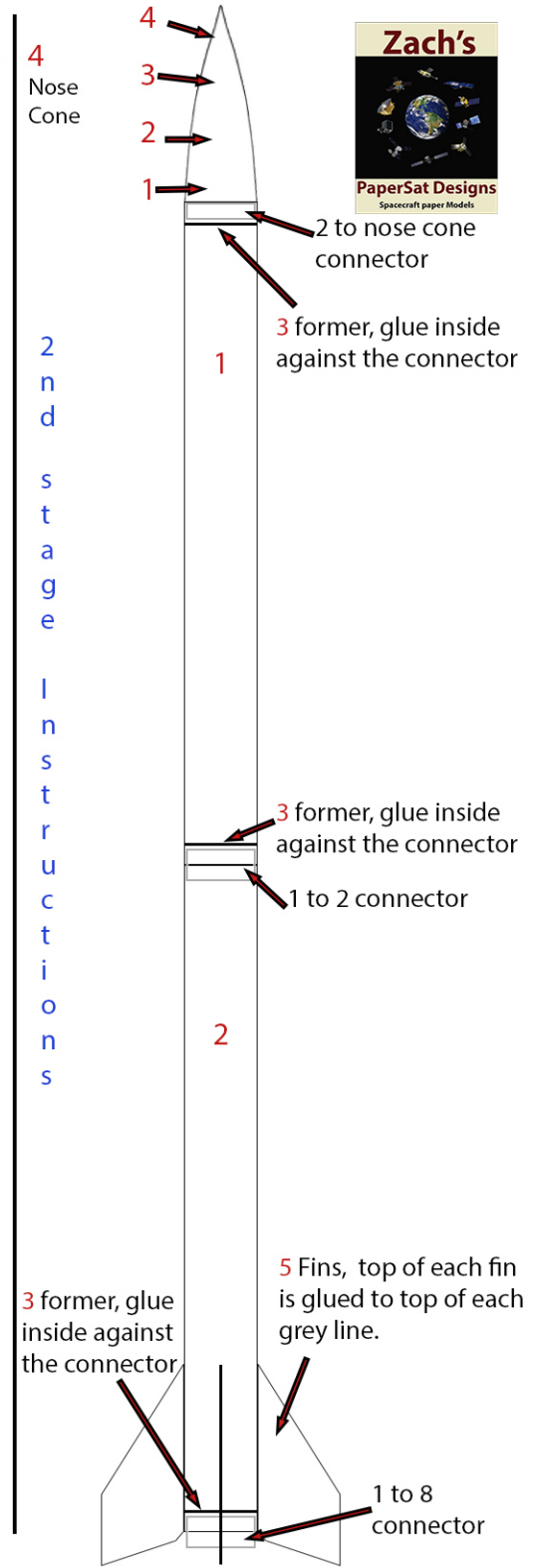
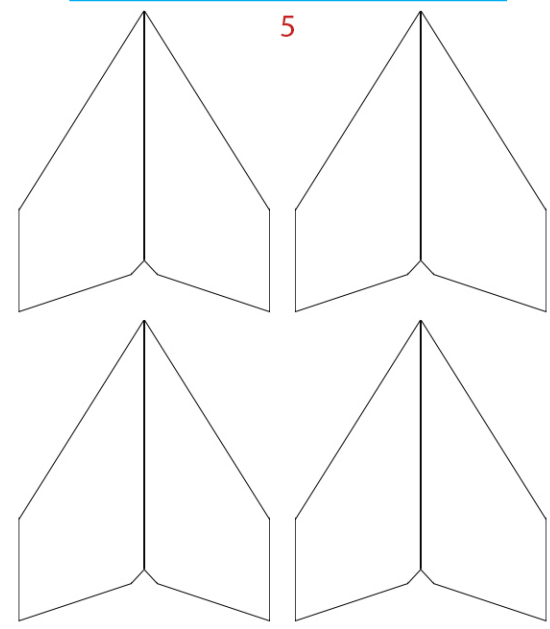
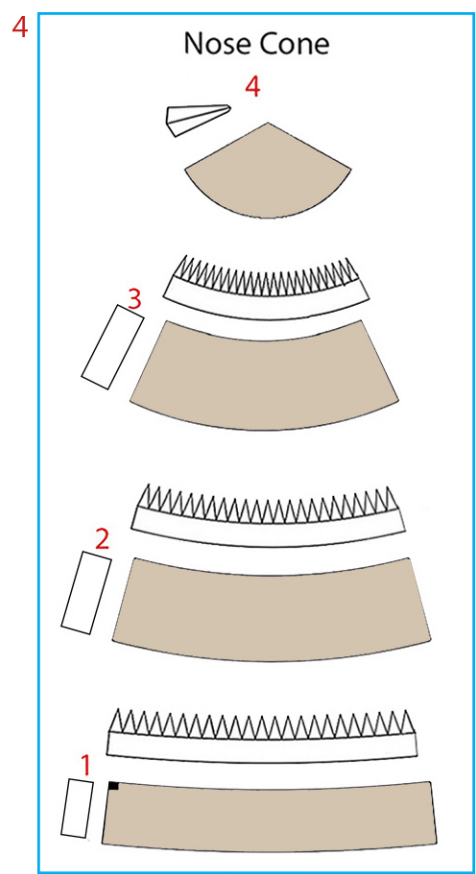
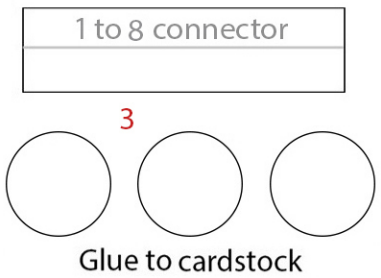
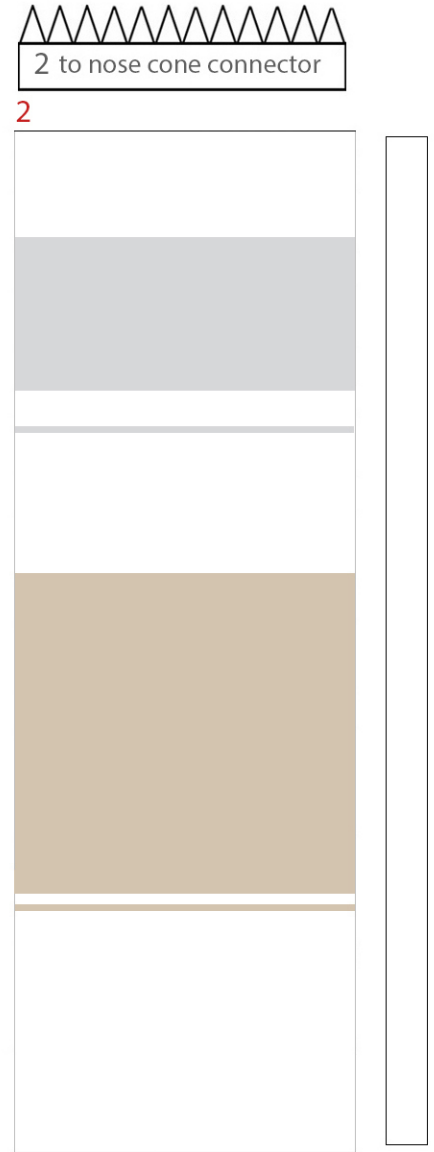
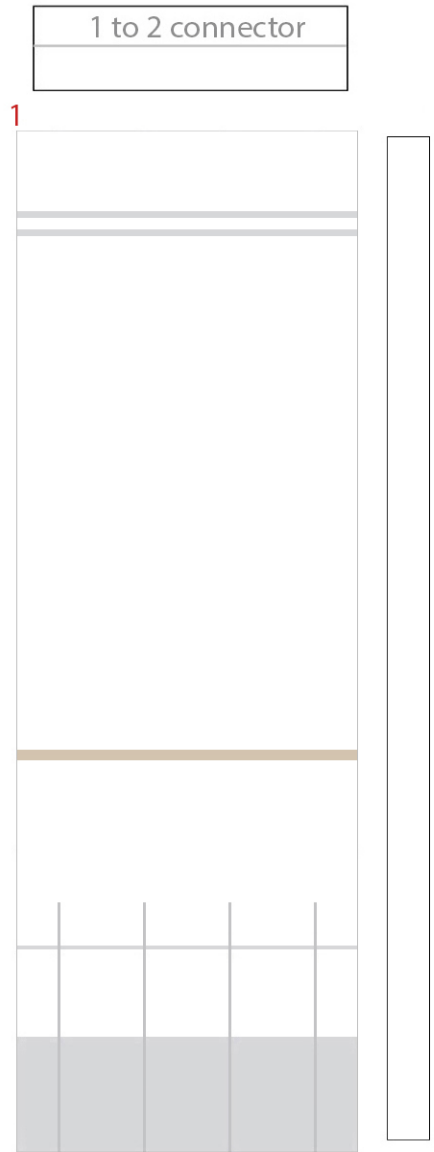
Variants built with 9, 13, and 17 inch diameter payloads. Flew missions on atmospheric research in support of nuclear tests as well as astronomical science missions.

A Terrier Sandhawk could boost a 91 kg, 33 cm diameter payload to an altitude of 427 km.

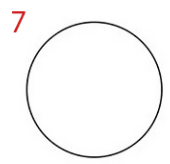
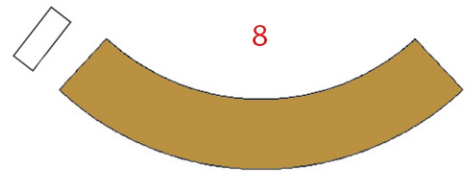
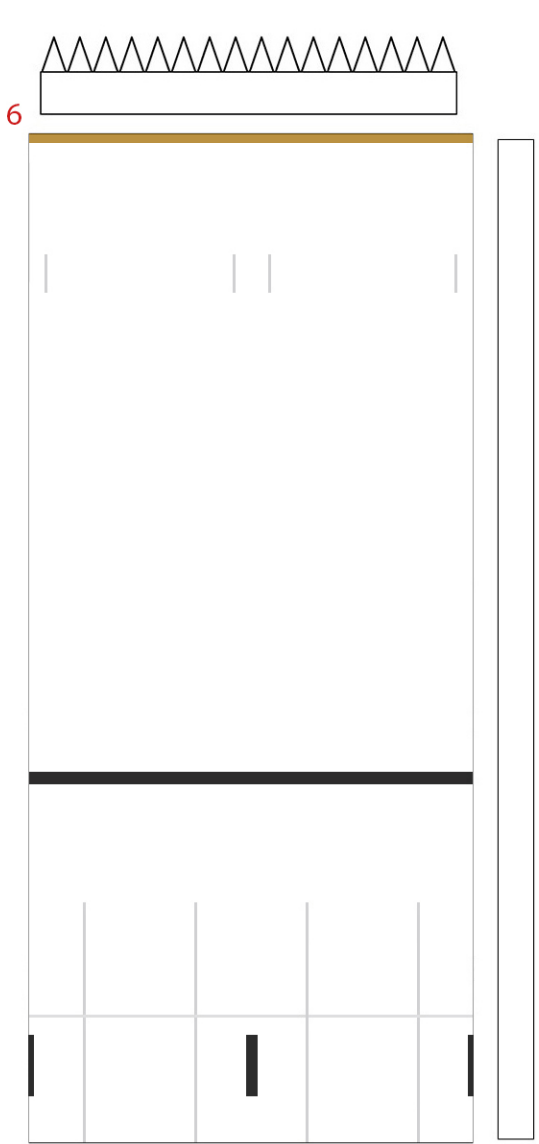
The vehicle was replaced by the Terrier Malemute rocket.

1st launch - Sept 9 1967  
Last launch - Sept 12 1977  
Height: 11.40 m (37.40 ft)  
Diameter: 0.46 m (1.50 ft)  
Span: 1.58 m (5.17 ft)  
Apogee: 430 km (260 mi)

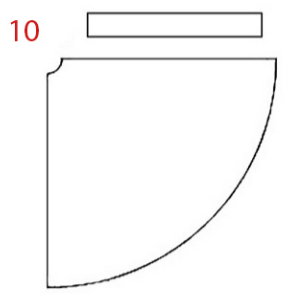
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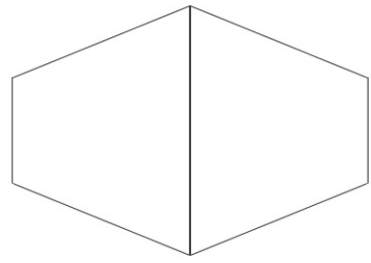
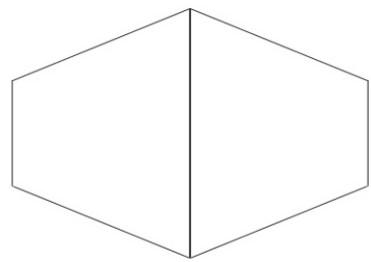
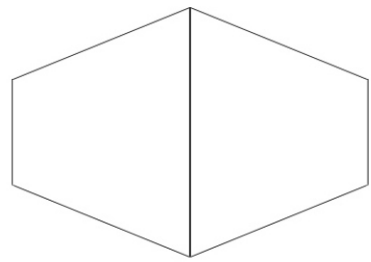
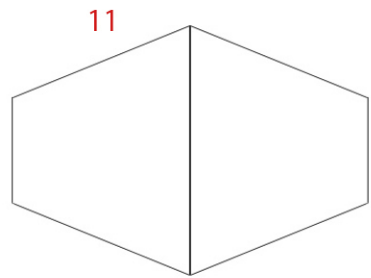
# Terrier Sandhawk Sounding Rocket



Glue to cardstock for strength



Remove the BLACK CIRCLE from 9.  
Color backside of 10 Black.  
Roll 10 to a cone, glue to the BACKSIDE of 9 for an embedded nozzle



Fold fins in half and glue

## 1st stage instructions

