

KT-1 (Kaituozhe-1)

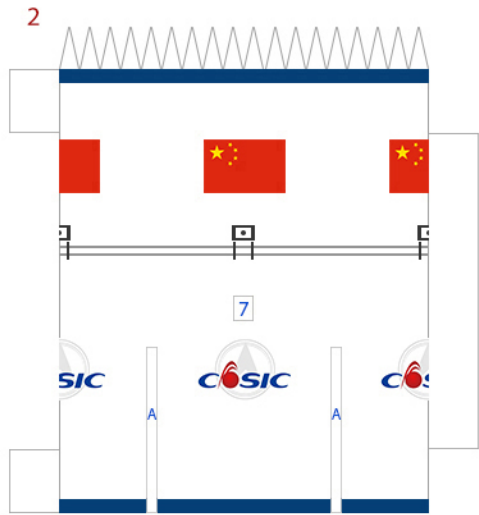
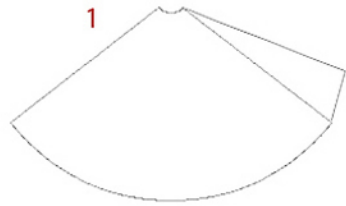


Kaituozhe-1 (KT-1) was small, solid fueled launch vehicle based on the road mobile DF-21 IRBM with an additional upper stage (in total 4 stages). It was 13.6 meters in length and 1.4 meters in diameter, with launch mass of 20t. It was possible to launch KT-1 both from a truck-based platform or from airborne platform. It had a 100 kg to LEO payload capacity. It was possibly the launch vehicle for a Chinese ASAT system that was tested against an old Chinese weather satellite in 2007.

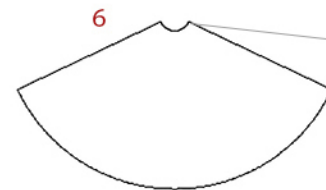
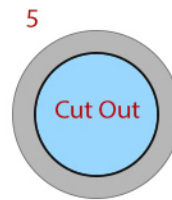
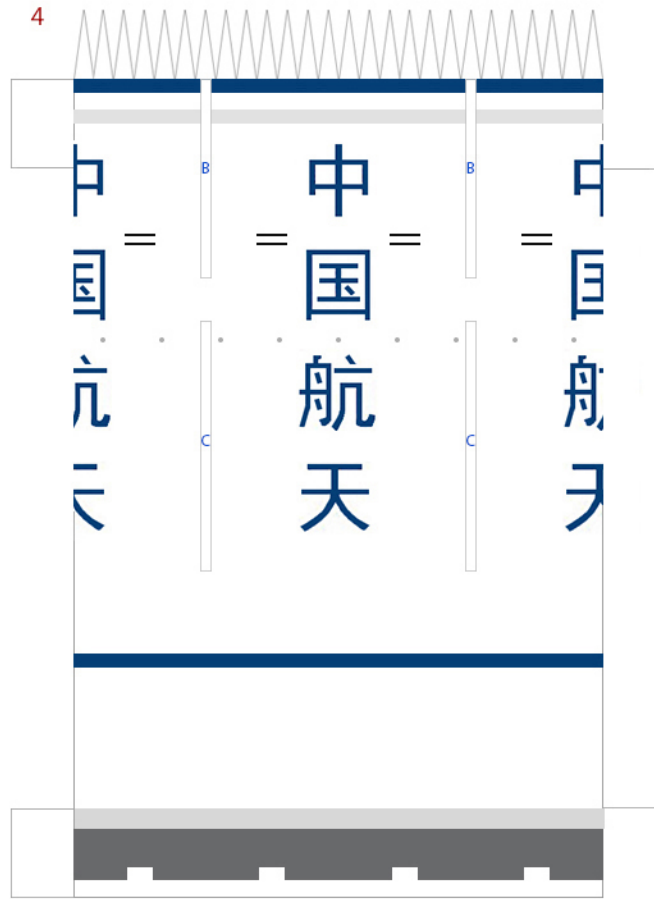
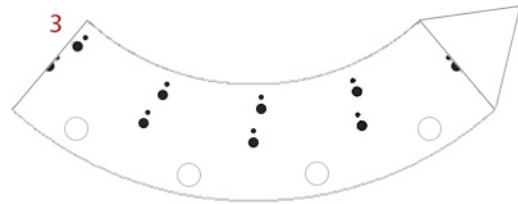
The vehicle has performed two flights, the first in 15 September 2002 and the second 16 September 2003. The first flight failed to place a 50 kg satellite into polar orbit due to a second stage malfunction. The second flight was also a failure, however Chinese officials declared some success citing the guidance systems, fairing separation and satellite-launcher separation as successful. The second launch sent the payload, PS-2 microsatellite (40 kg) into wrong orbit. The satellite completed barely one orbit before re-entering the atmosphere.

The Kaituozhe-1 launcher appears to have been cancelled after two unsuccessful launches. A third (in 2004) and fourth launch have been rumored, but are not confirmed.

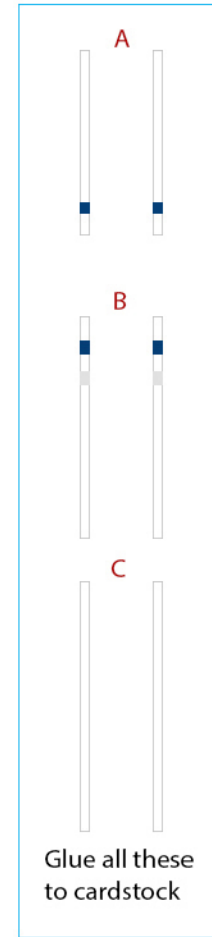
KT-1 (Kaituoze-1)



2 to 3 connector



Color back Black

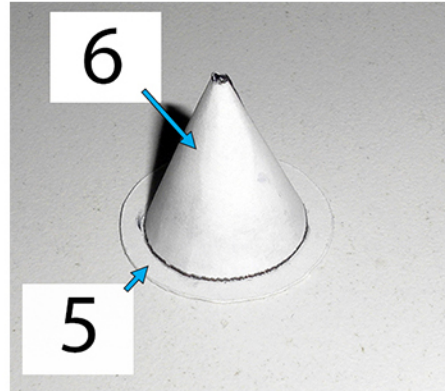




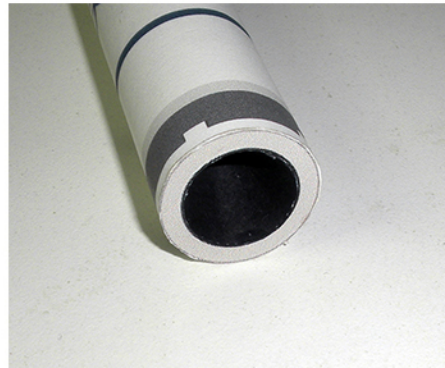
Keep all Seams Aligned.

The 2 to 3 connector is glued into the inside bottom of part 2 at the dotted line.

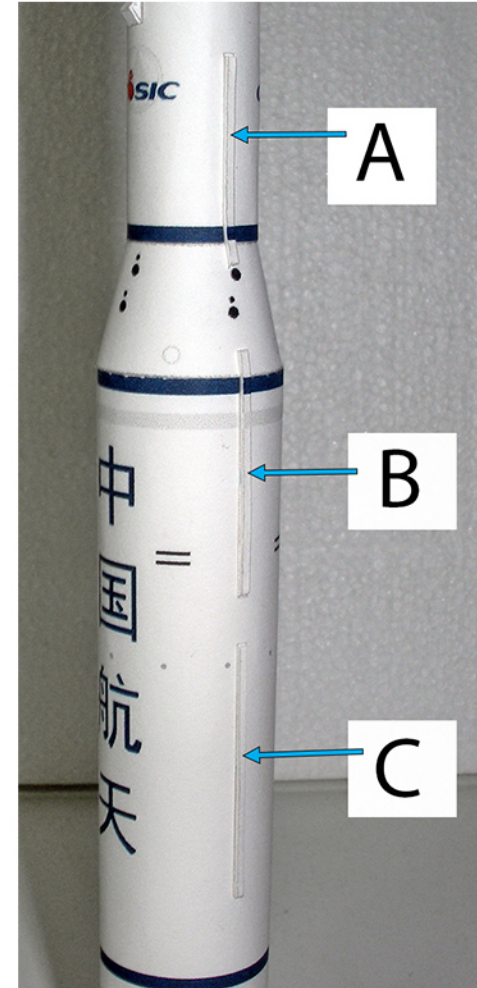
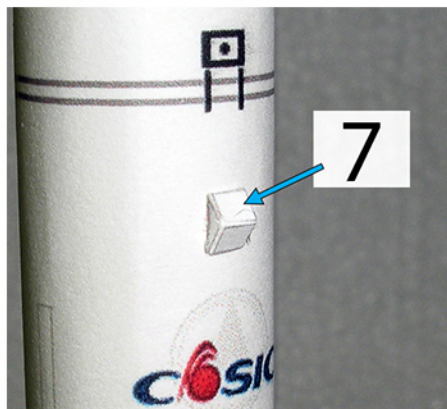
Insert this into the cone (Part 3) and glue in place, then glue to part 4.



Cut out the blue circle from 5
Roll-Glue 6 to the back side of 5 as shown.



Glue up into the bottom of the rocket



Glue these to their labeled areas on the body.