

Atlas Centaur D (OAO 2)



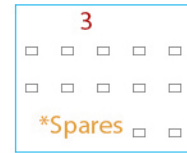
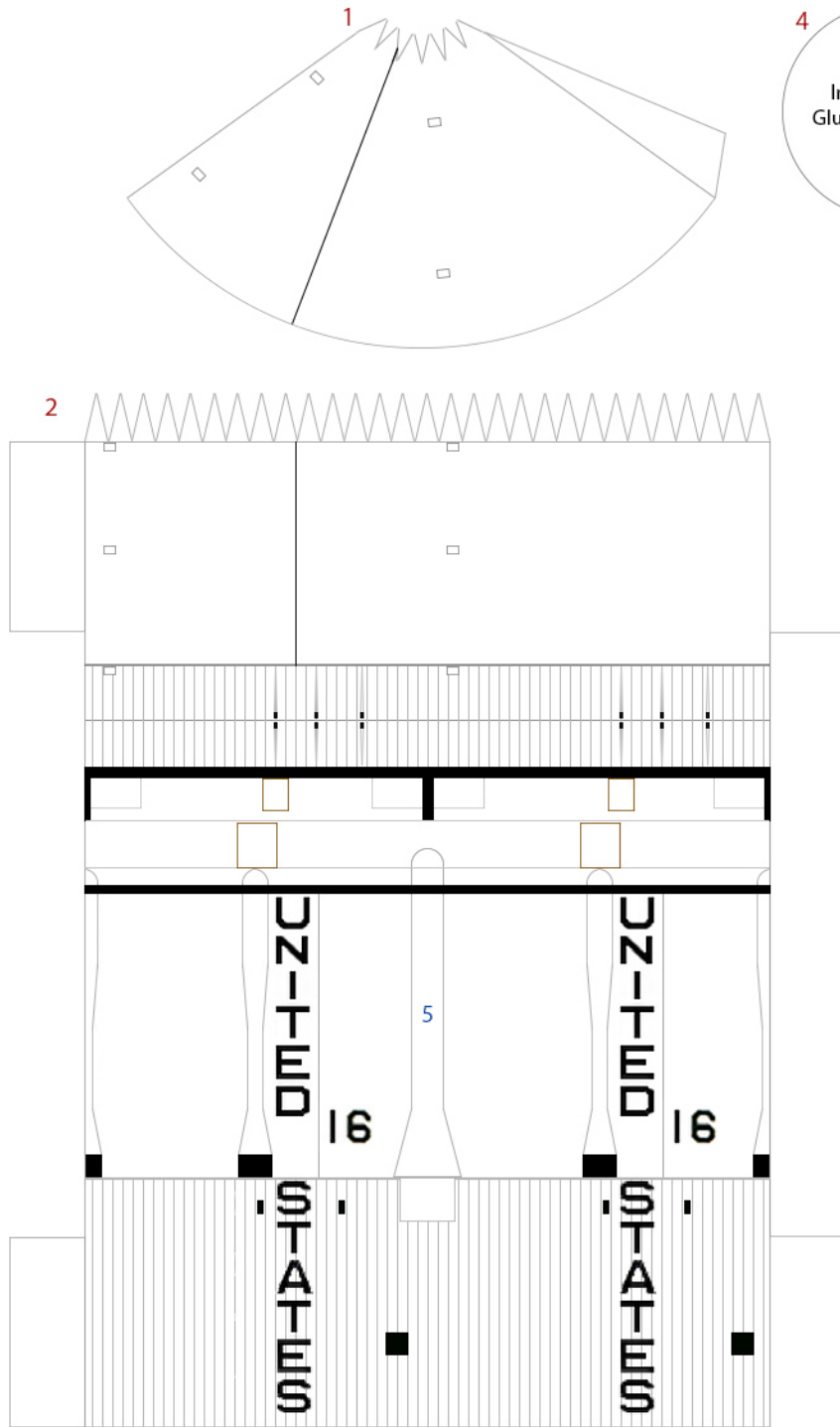
Launch of OAO 2 on December 7, 1968.

The Atlas-Centaur is a two-stage launch vehicle consisting of an Atlas first stage and a Centaur second stage connected by an interstage adapter. Both stages were 3.05 meters (10 ft) in diameter, and the composite vehicle is 35.6 meters (117 ft) in length. The Centaur upper stage was the first such stage to use high-performance liquid hydrogen as fuel. Launches were conducted from Launch Complex 36 at the Cape Canaveral Air Force Station in Florida. After a strenuous flight test program, Atlas-Centaur went on to launch several crucial spaceflight missions including Surveyor 1, and Pioneer 10/11. The vehicle would be continuously developed and improved into the 1990s, with the last direct descendant being the highly successful Atlas II.

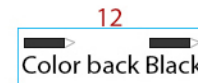
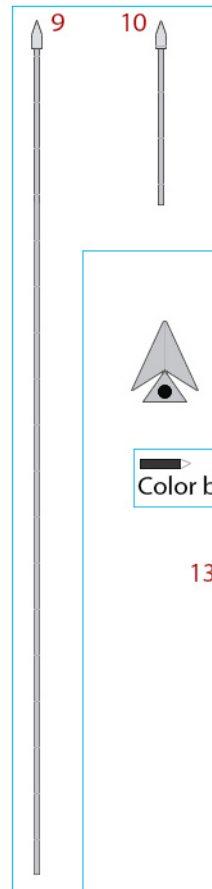
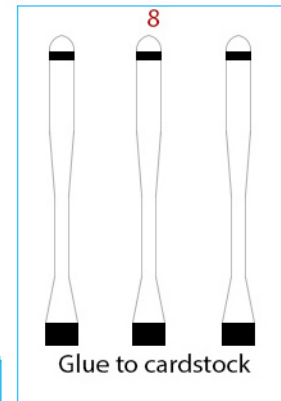
The Atlas Centaur D flown for 24 missions between 11 August 1965 and 21 August 1972. Two of these were failures.



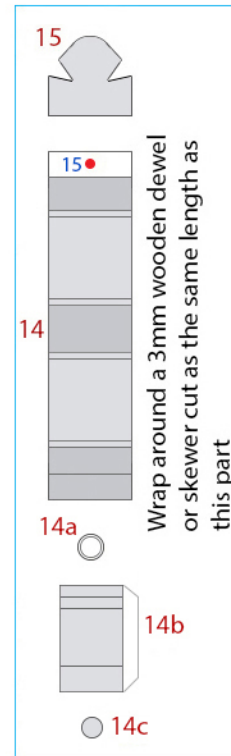
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Glue to cardstock



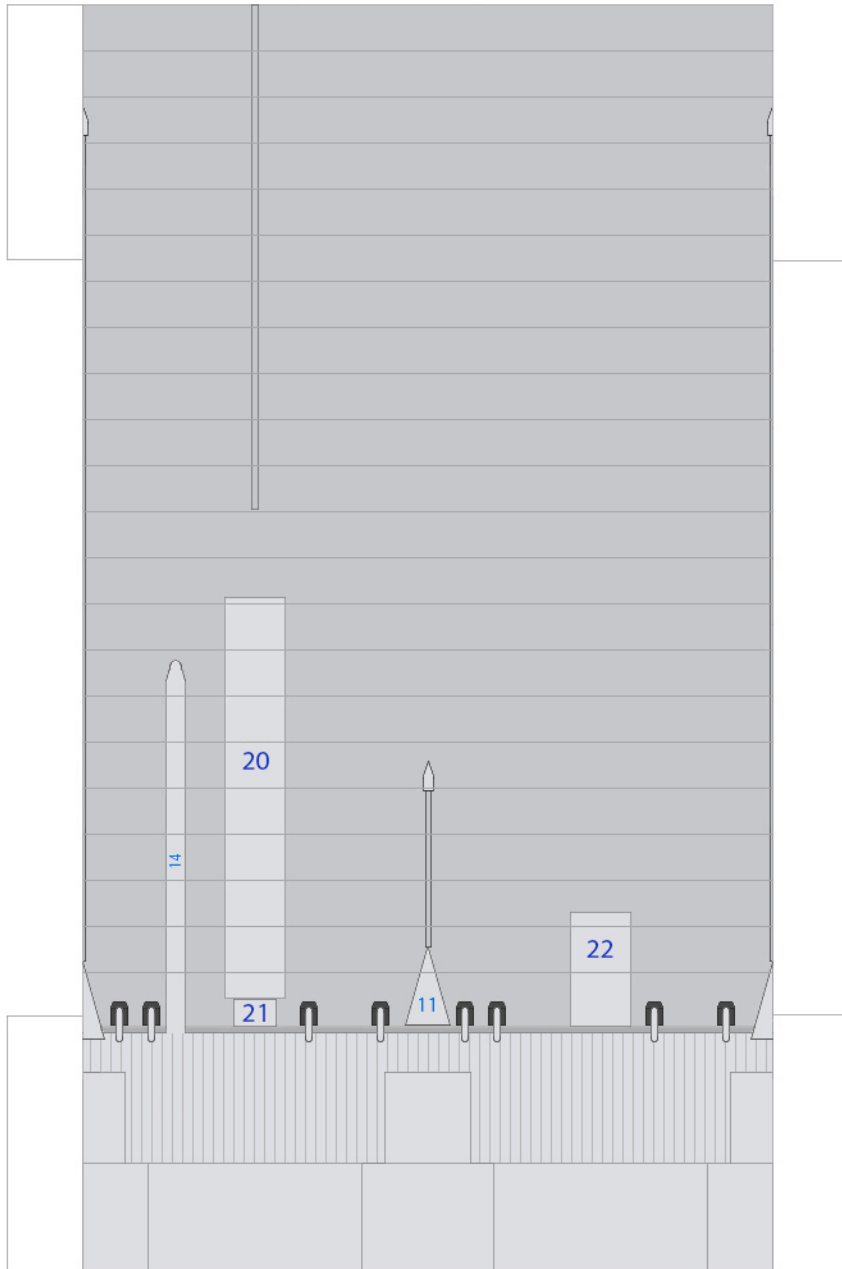
13



Wrap around a 3mm wooden dowel or skewer cut as the same length as this part

Atlas Centaur D

16



19



20



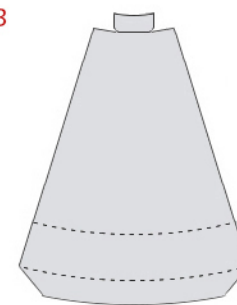
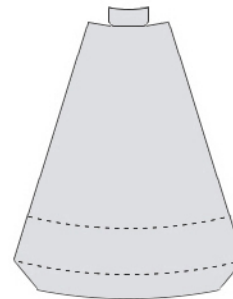
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22



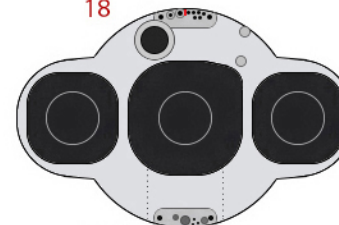
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17

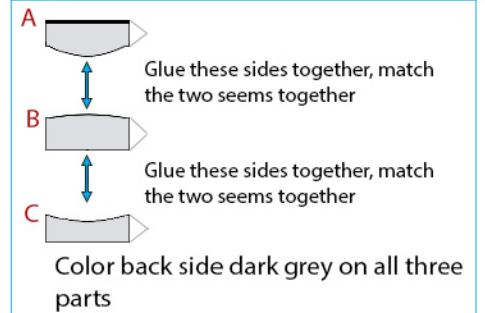
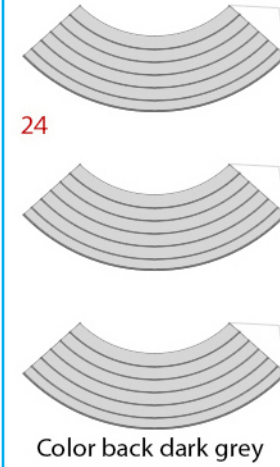
Inside Bottom former,
glue to cardstock

18



Glue to cardstock

24



25

