

Titan IVA



Billed as “assured access to space” by the U.S. Air Force, the Titan IVA was introduced for the specific purpose of carrying large military satellites into space. By the mid-1980’s it became clear that the Space Shuttle fleet could not handle as many military payloads as originally planned. The Titan IVA was intended to supplement the Space Shuttle fleet as conditions warranted. As many as two launches per year were envisioned from Cape Canaveral Launch Complex 41, which was renovated to support the vehicle. Originally referred to simply as Titan IV, the first version of the rocket was renamed Titan IVA to distinguish it from an improved version introduced in 1997 as the Titan IVB. Titan IV development began in 1984 under the U.S. Air Force Complementary Expendable Launch Vehicle (CELV) program.

Titan IVA, was first flown on 8 June 1990, was developed as an alternative launch vehicle for large military payloads.

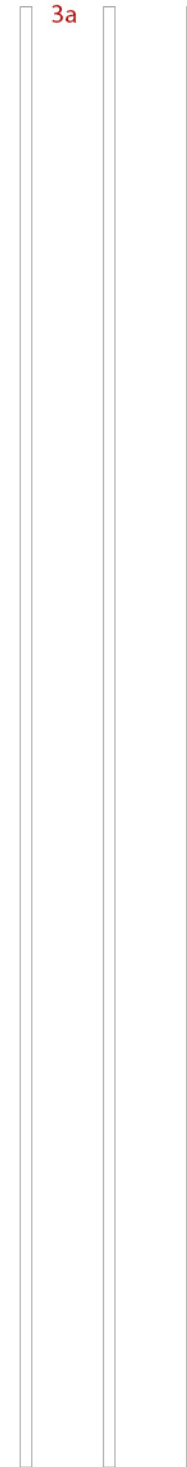
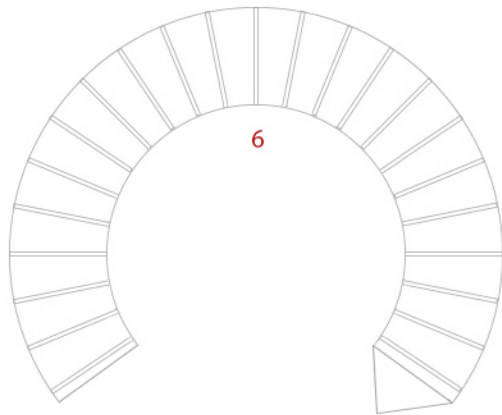
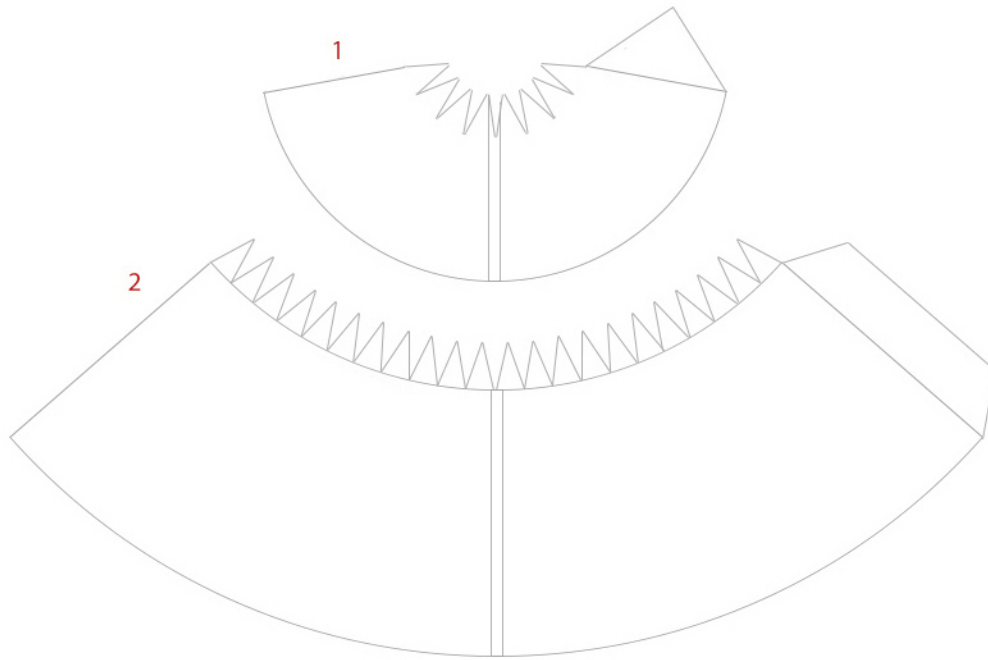
The rocket could be configured with a Centaur upper stage, an Inertial Upper Stage, or no upper stage, depending on payload requirements.

Military payloads flown included several Milstar communication satellites, signal intelligence satellites, DSP (Defense Support Program) early warning satellites, and others.

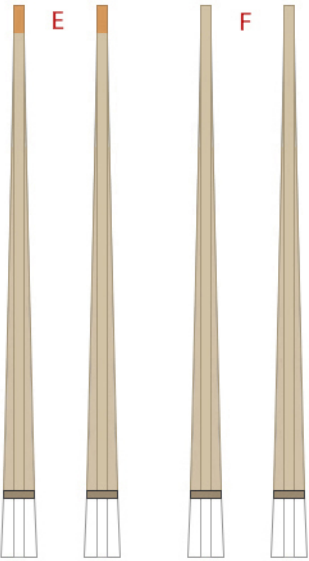
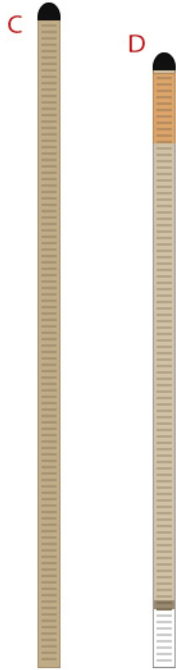
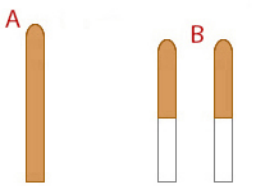
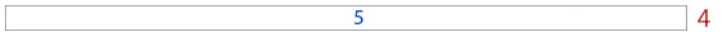
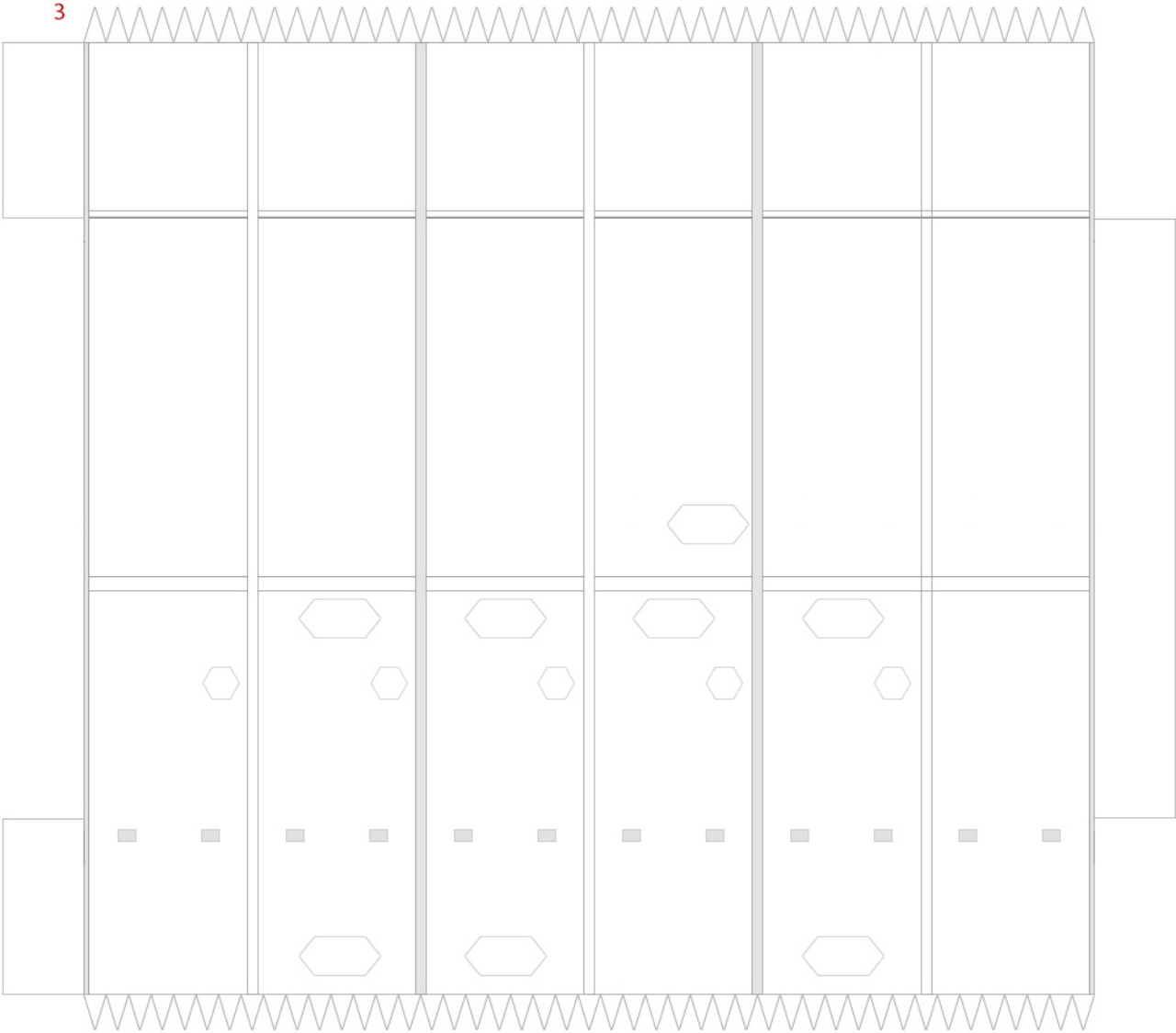
The last Titan IVA rocket launched on 12 August 1998. A total of 22 Titan IVA rockets were launched, with two failures.



Titan IVA



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Score, fold at the Blue lines



Titan IVA

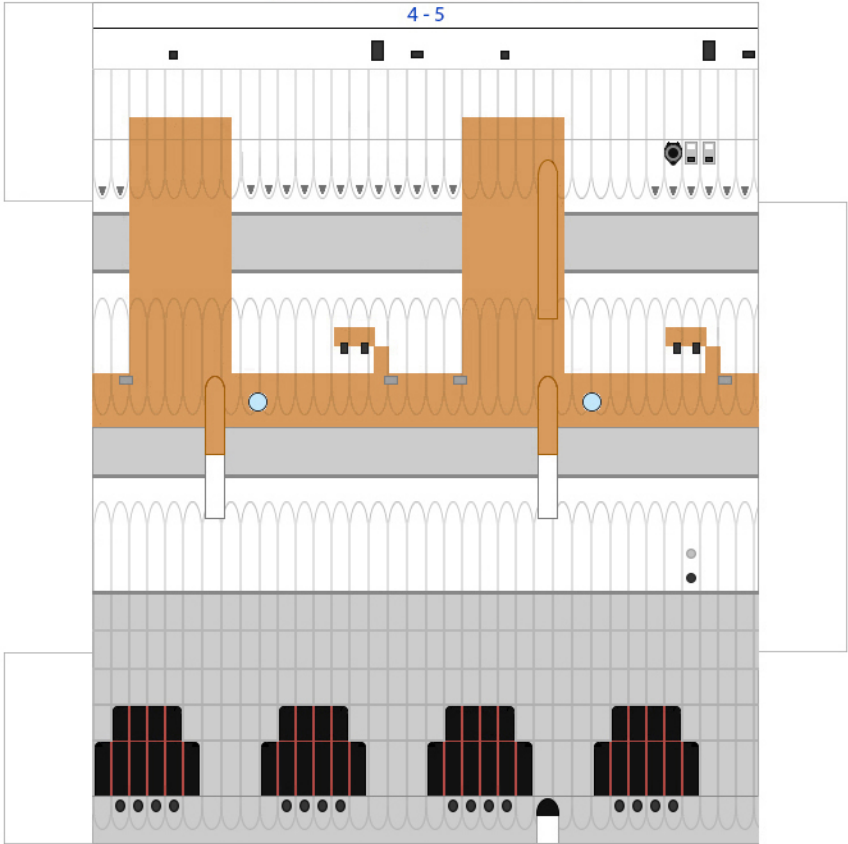
Inside former
glue to cardstock

6 to 7 connector

7

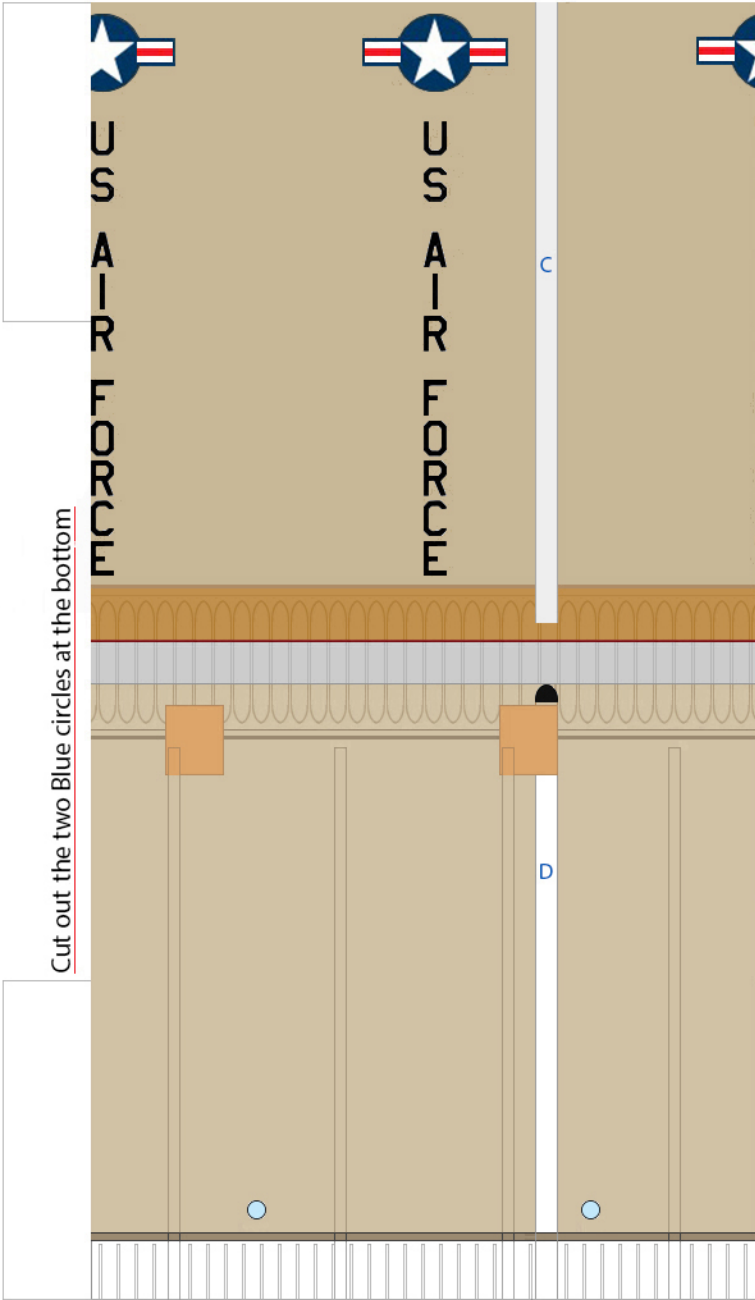
Cut out the two Blue circles

4-5



7 to 8 connector

8



Cut out this
Blue area

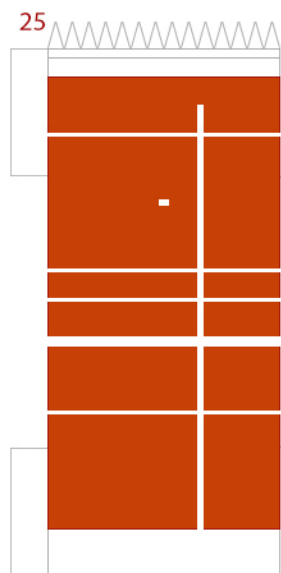
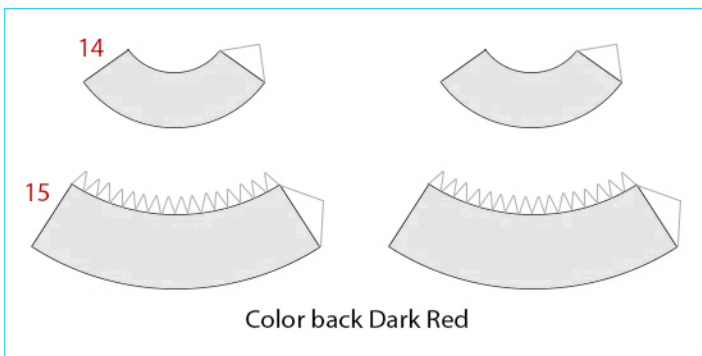
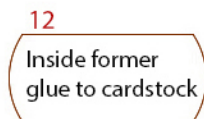
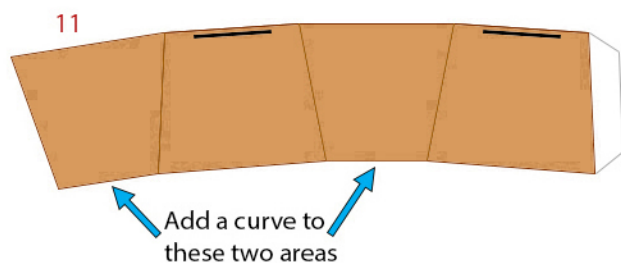
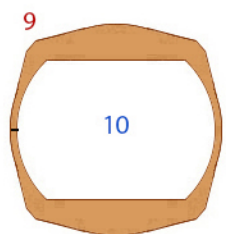
Inside former
glue to cardstock

Cut out the two Blue circles at the bottom

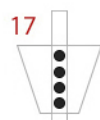
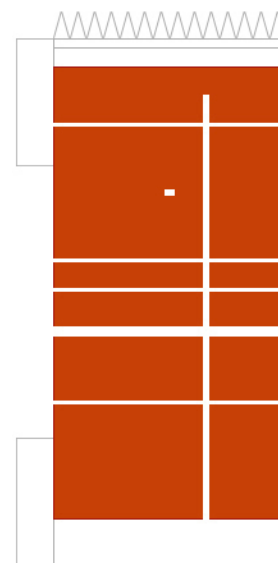
Bottom
Inside former
glue to cardstock

Titan IVA

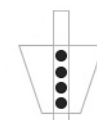
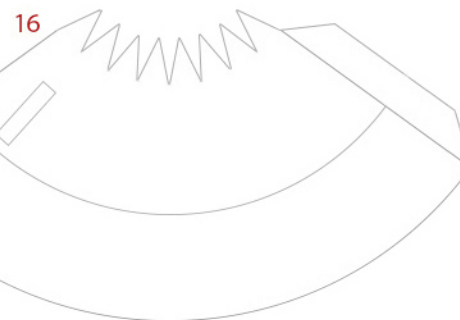
Cut two (2) tooth pics the same length as the line above for the booster support rods



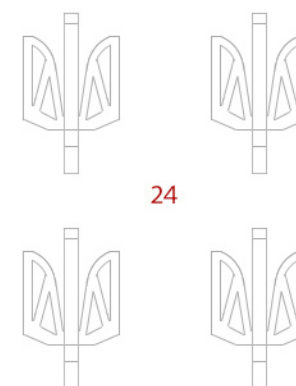
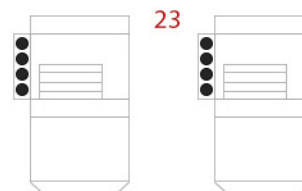
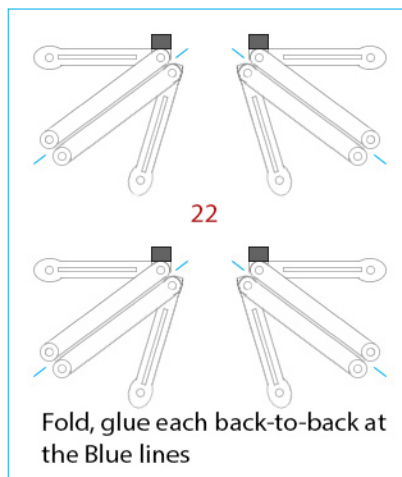
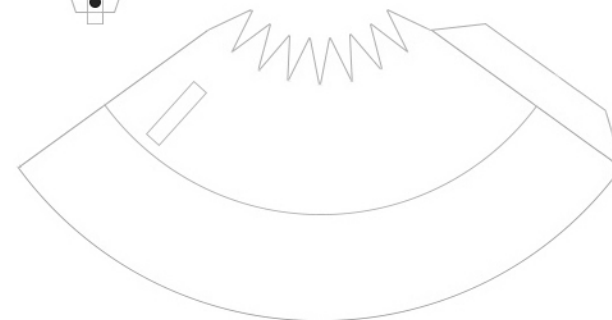
HD



booster cone



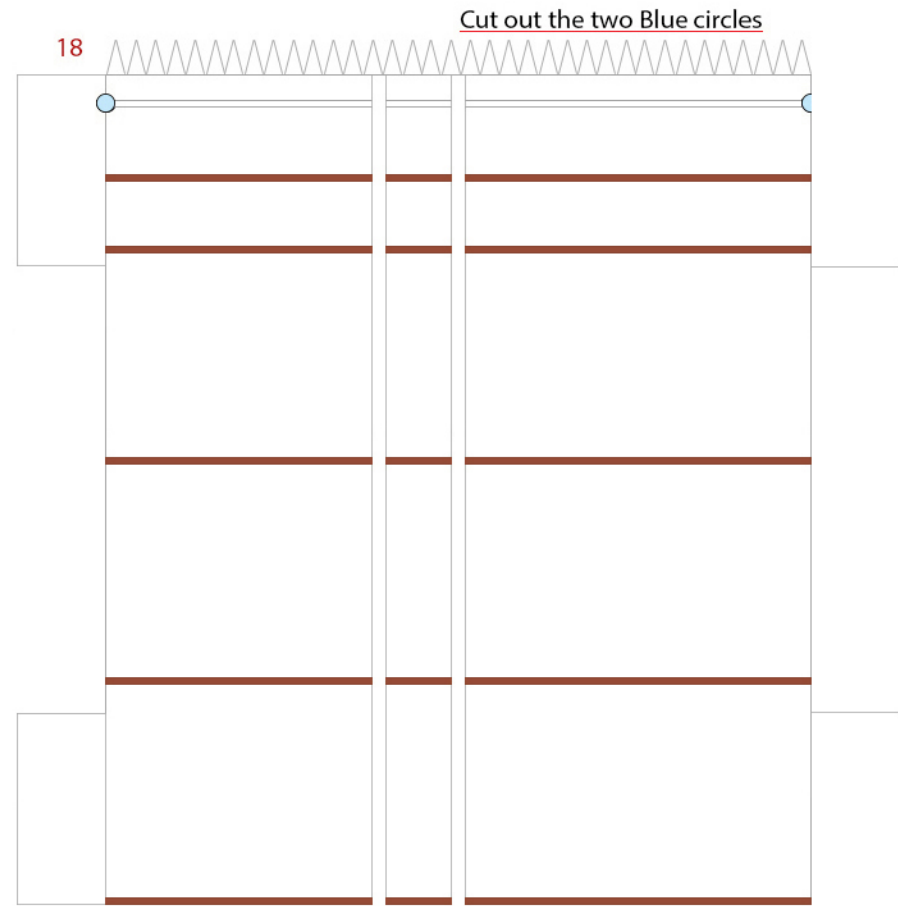
booster cone



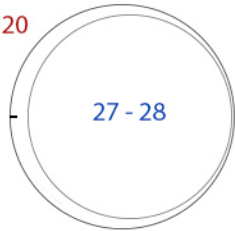
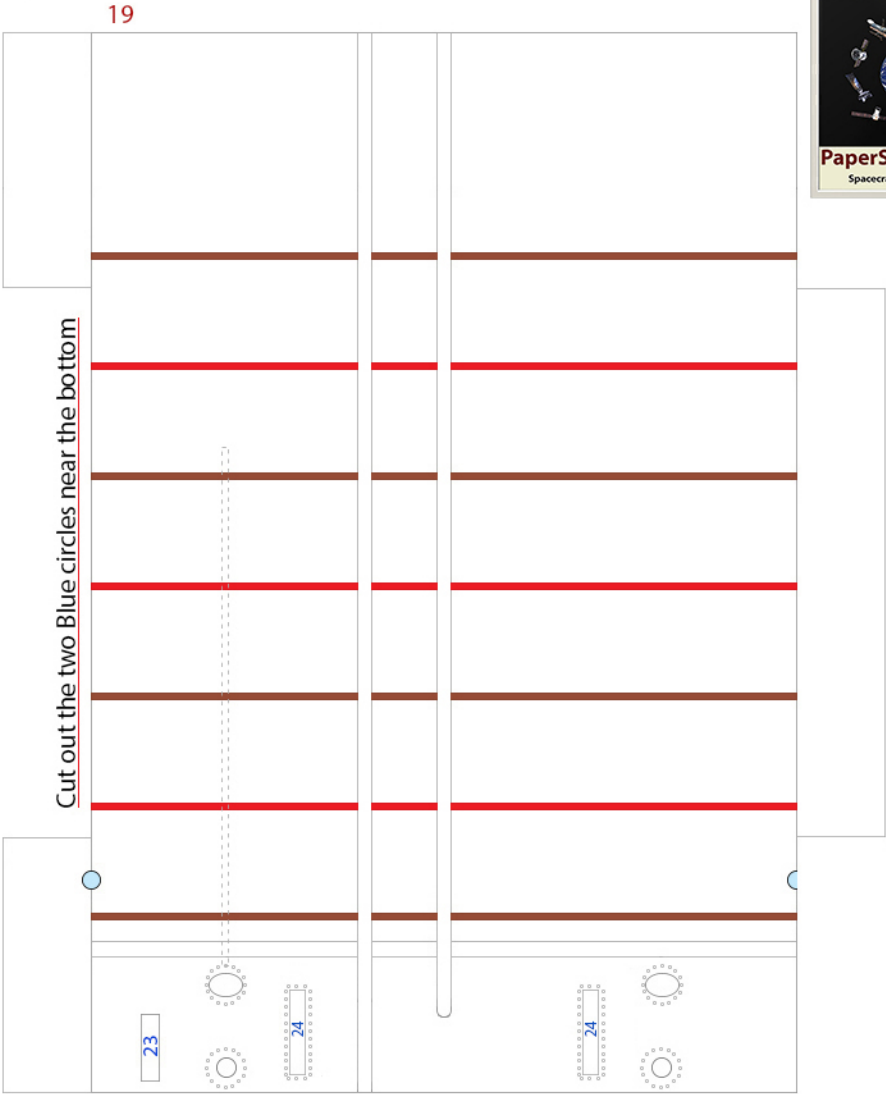
24



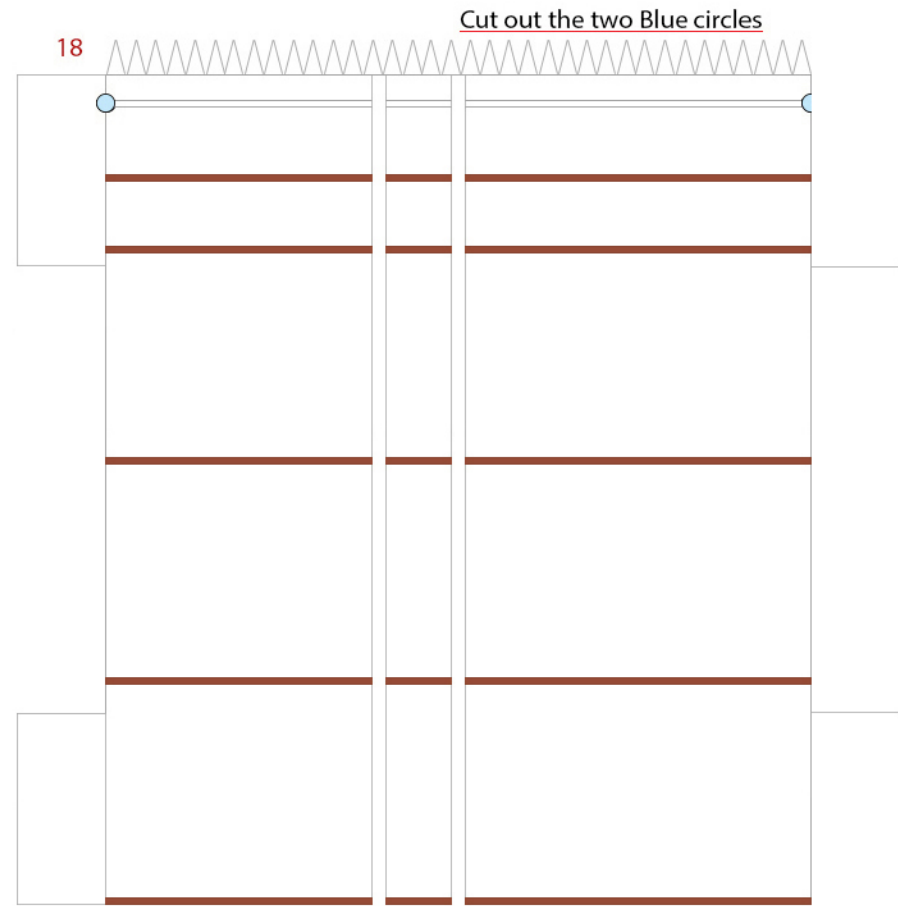
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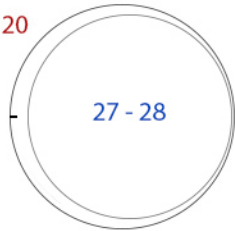
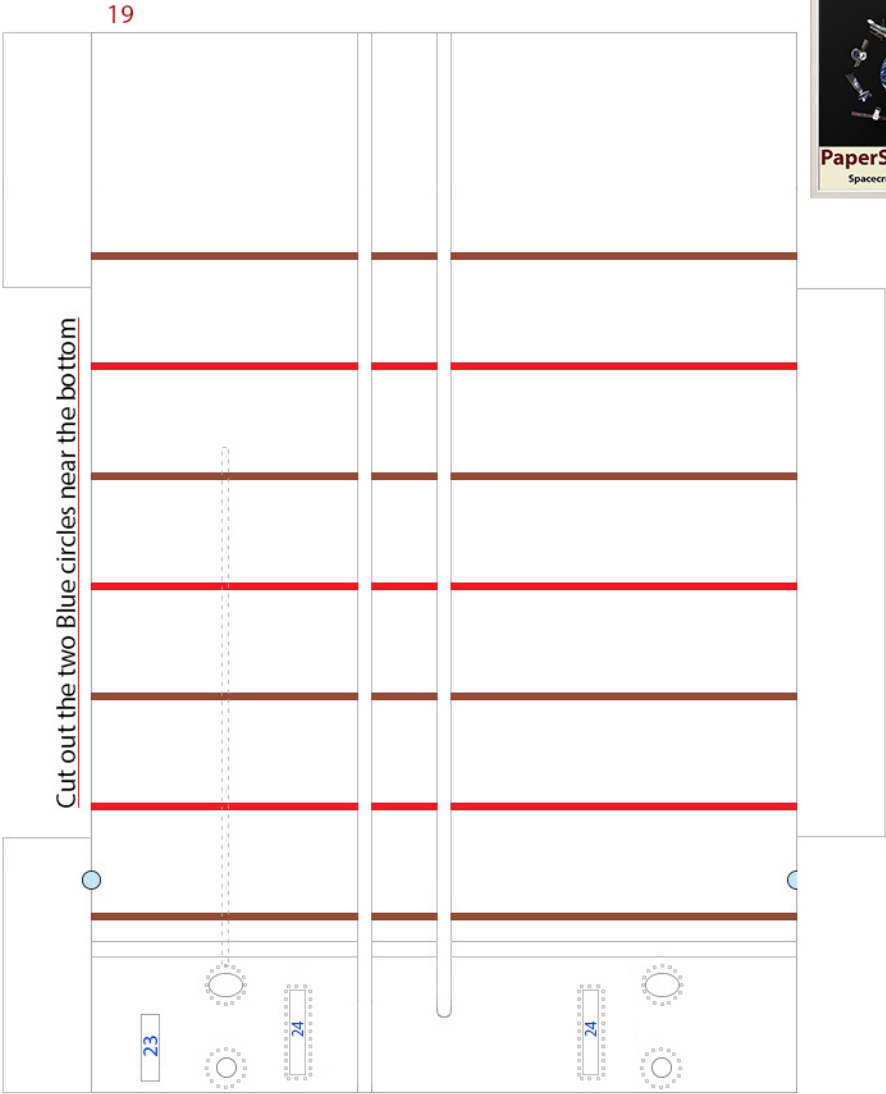
Boosters



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Boosters



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