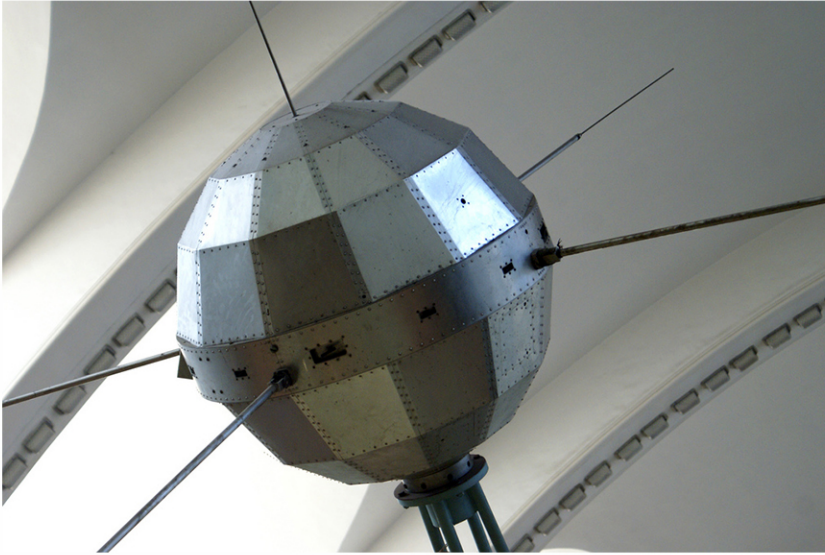


Dong Fang Hong 1 - China's first Satellite (April 24, 1970)



With the successful launch of Dong Fang Hong I, China became the fifth country after the Soviet Union, United States, France, and Japan to independently launch a satellite. Although Dongfanghong I was launched 13 years after Sputnik I, its mass exceeded the combined masses of the first satellites of the other four countries.

The satellite carried a radio transmitter which broadcast the song of the same name, Dongfanghong or "The East Is Red", the broadcast lasted for 20 days while in orbit.

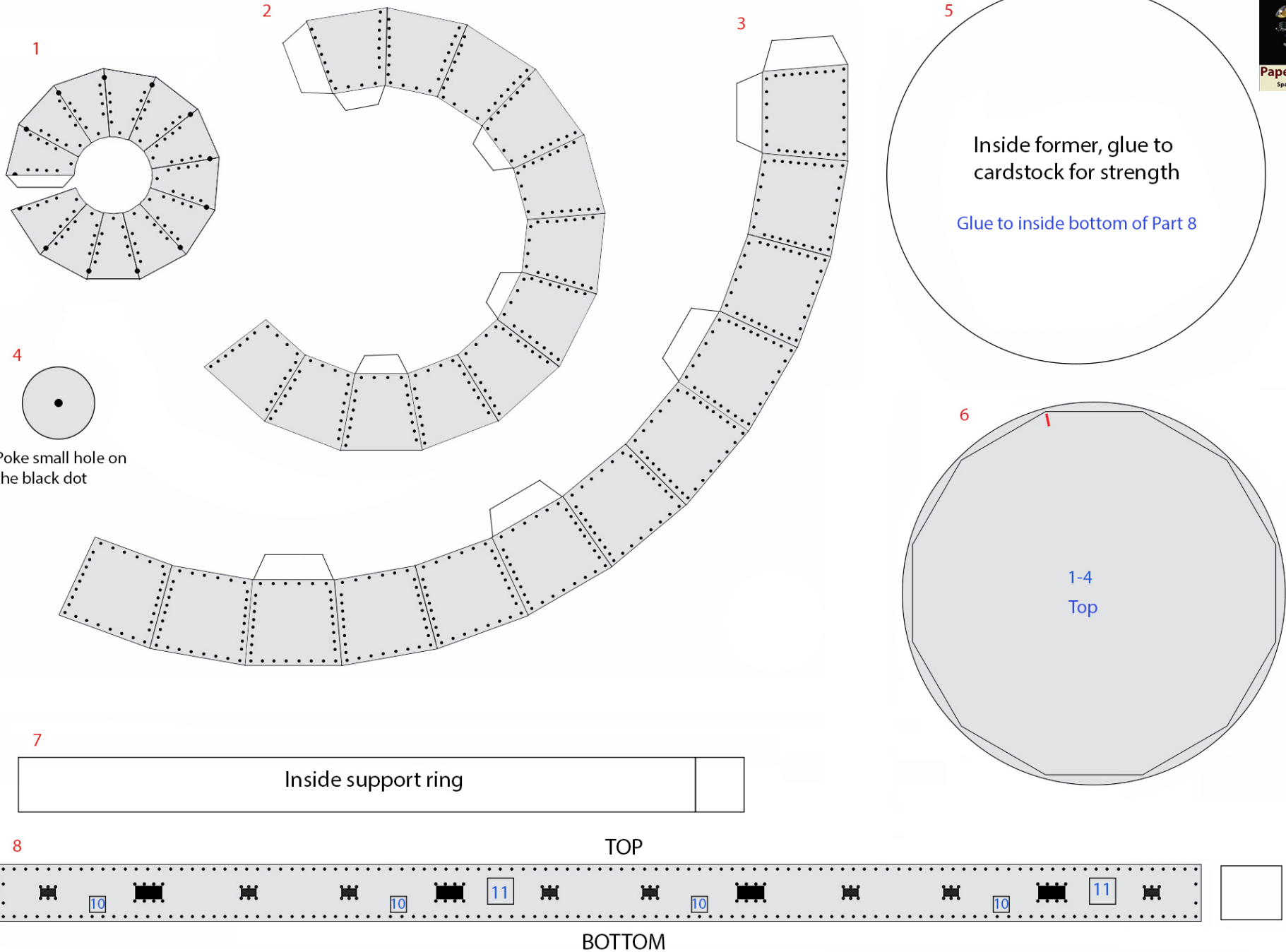
The satellite was similar in shape to a symmetrical 72-faced polyhedron, had a mass of 173 kg (381 lb), and had a diameter of approximately one meter (39 in). It spun 120 times per minute for stabilization. The outer surface was coated with a processed aluminum alloy for temperature control. The main body of the sphere had four ultrashortwave whip antennas of at least two meters (6½ ft) in length.

The primary purpose of the Dong Fang Hong I satellite was to perform tests of satellite technology and take readings of the ionosphere and atmosphere.

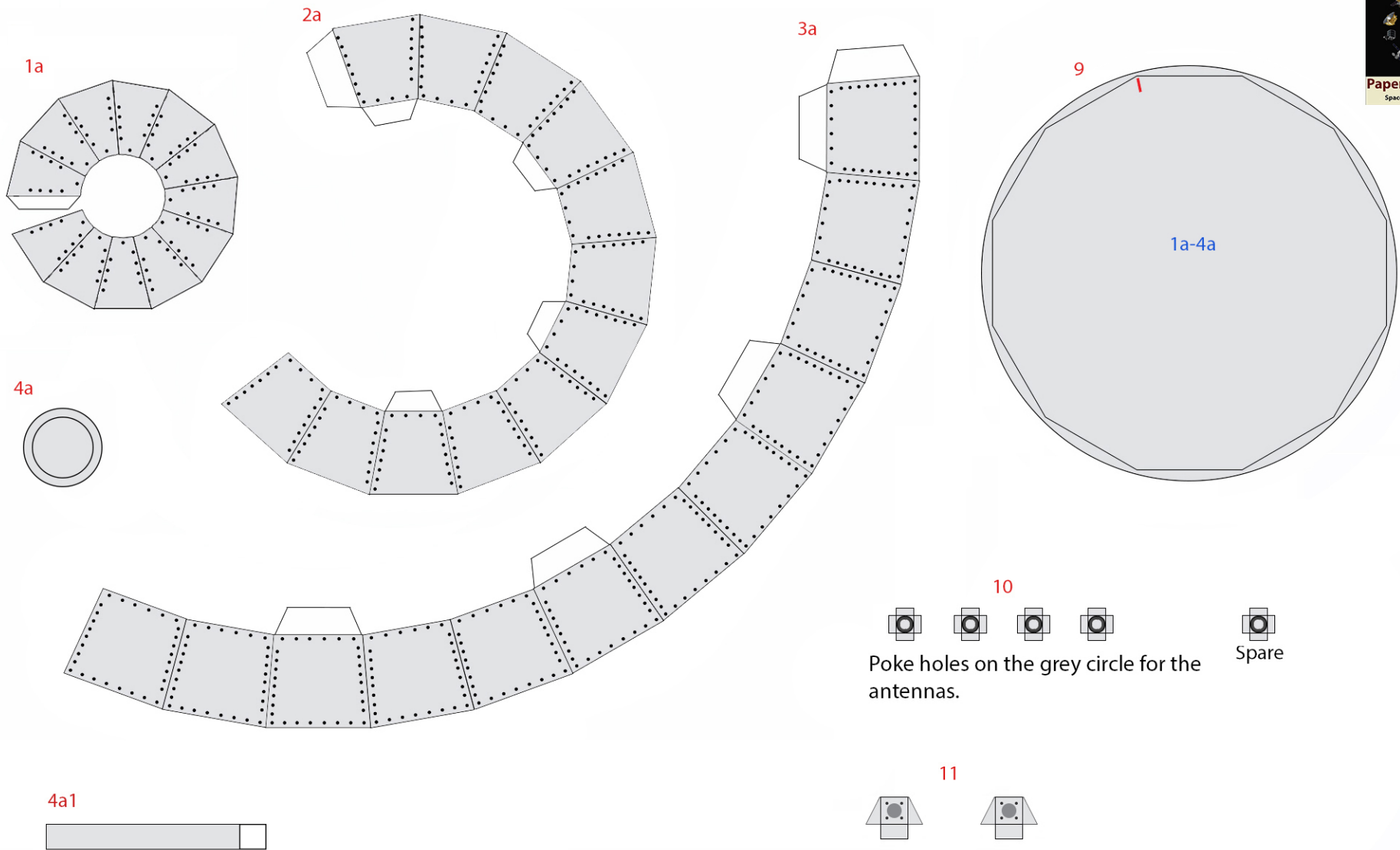
Dong Fang Hong I had a design life of 20 days. During that time, it transmitted telemetry data and space readings to the Earth. On May 14, its signal stopped.

The Satellite was launched into orbit on April 24, 1970. The satellite remains in orbit as of 24 January 2015.

Dong Fang Hong 1 - China's first Satellite (April 24, 1970)



Dong Fang Hong 1 - China's first Satellite (April 24, 1970)



Need a plastic broom straw or thin music wire cut at 1 inch or 24mm lon - colored light grey.

Need 4 wood or Acrylic rods around 1.5mm diameter, 4 inches or 102mm long - colored light grey.