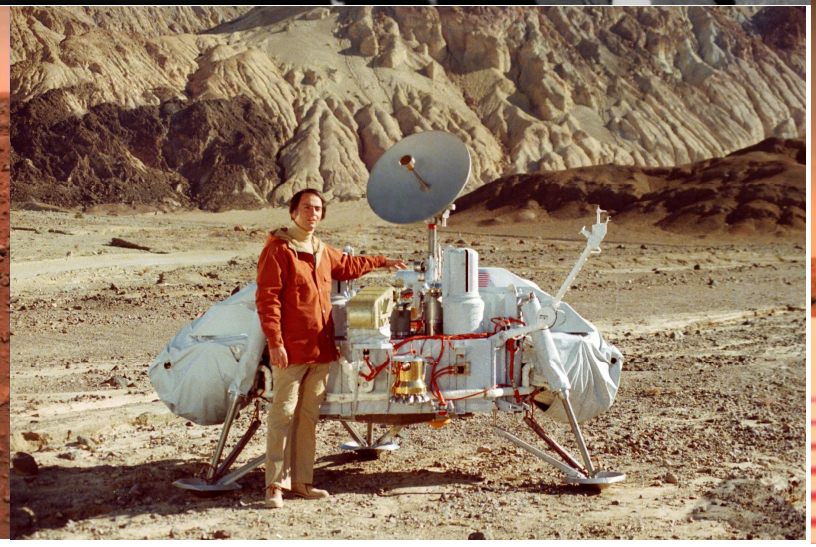
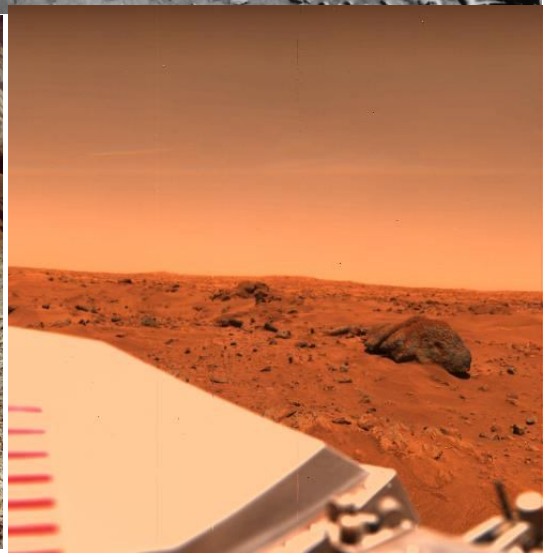




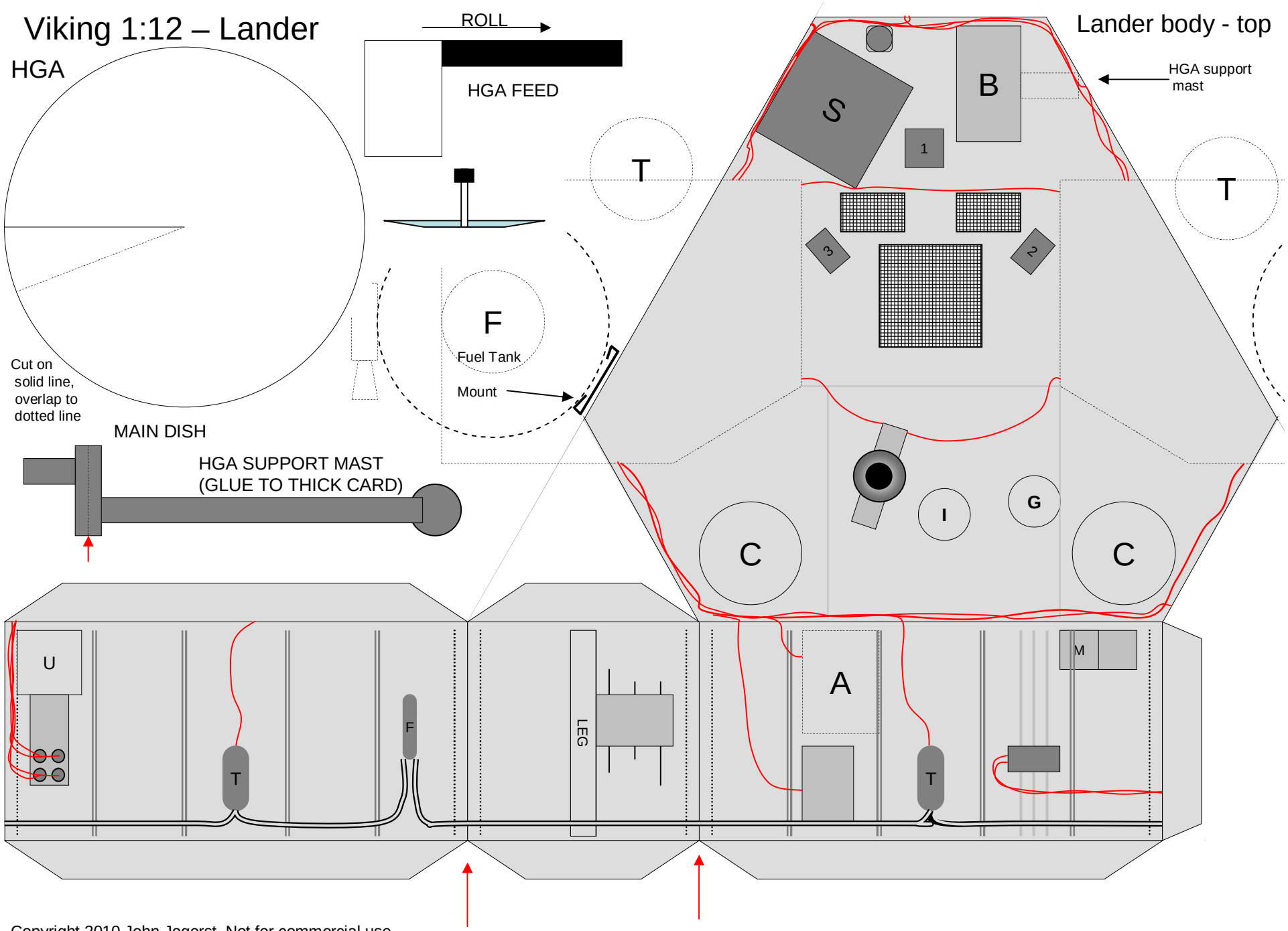
Viking – the first mission to successfully land on Mars 1:12 scale

The Viking project consisted of launches of two separate spacecraft to Mars, Viking 1, launched on 20 August 1975, and Viking 2, launched on 9 September 1975. Viking 1 landed on Mars on 20 July 1976; Viking 2 on 3 Sep.

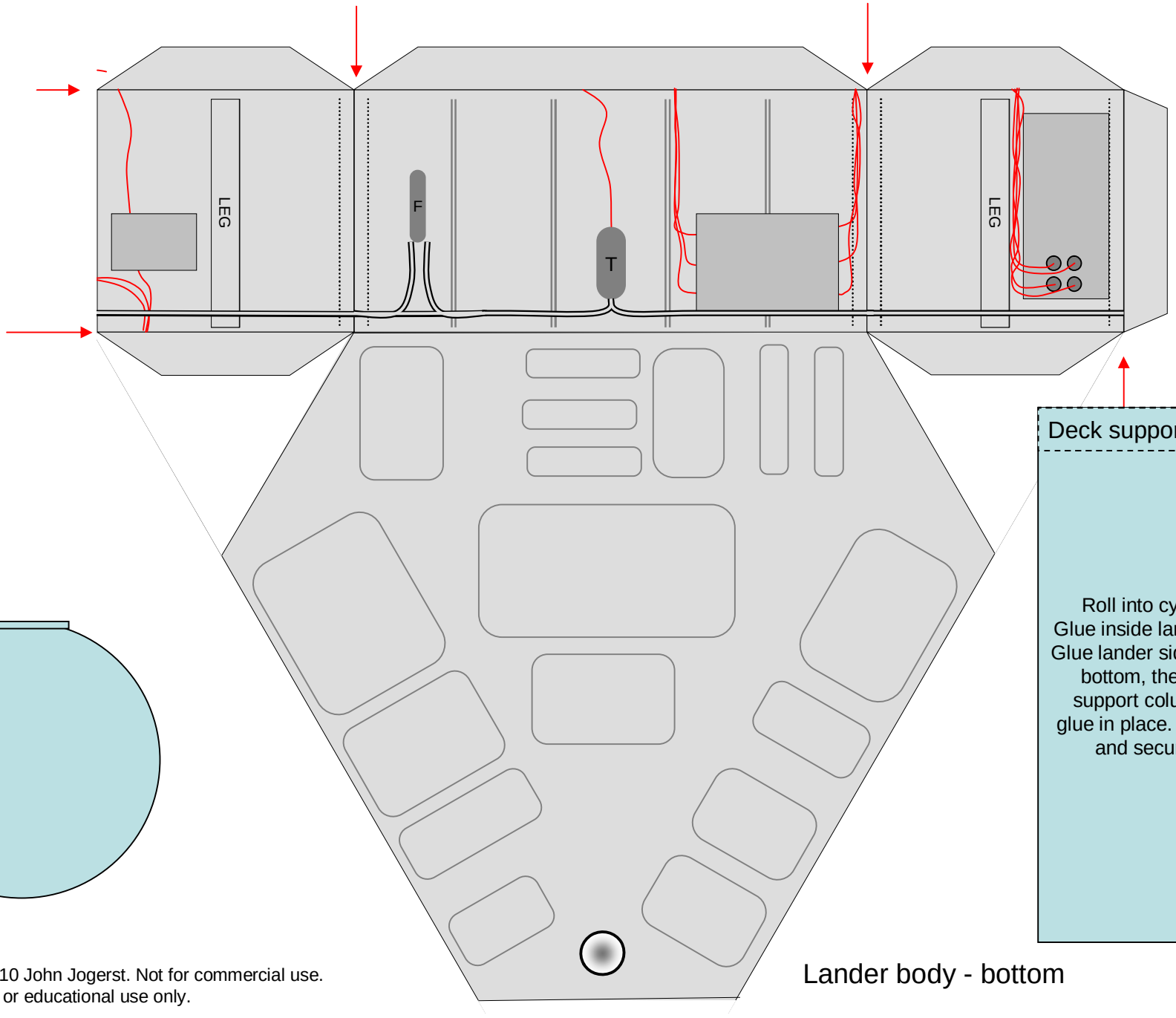
The Viking landers took the first pictures from the Martian surface, determined the composition of the Martian atmosphere and soil at the landing site, and yielded ambiguous results about the possibility of life on Mars.

Viking 1 operated until 13 Nov 1982 when contact was lost; Viking 2 was shut down on 11 Apr 1980 when its batteries failed.

Viking 1:12 – Lander

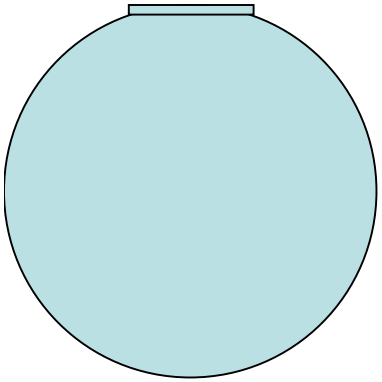


Viking 1:12 – Lander



Deck support column

Roll into cylinder.
Glue inside lander body.
Glue lander sides, fasten bottom, then insert support column and glue in place. Fold down and secure top.



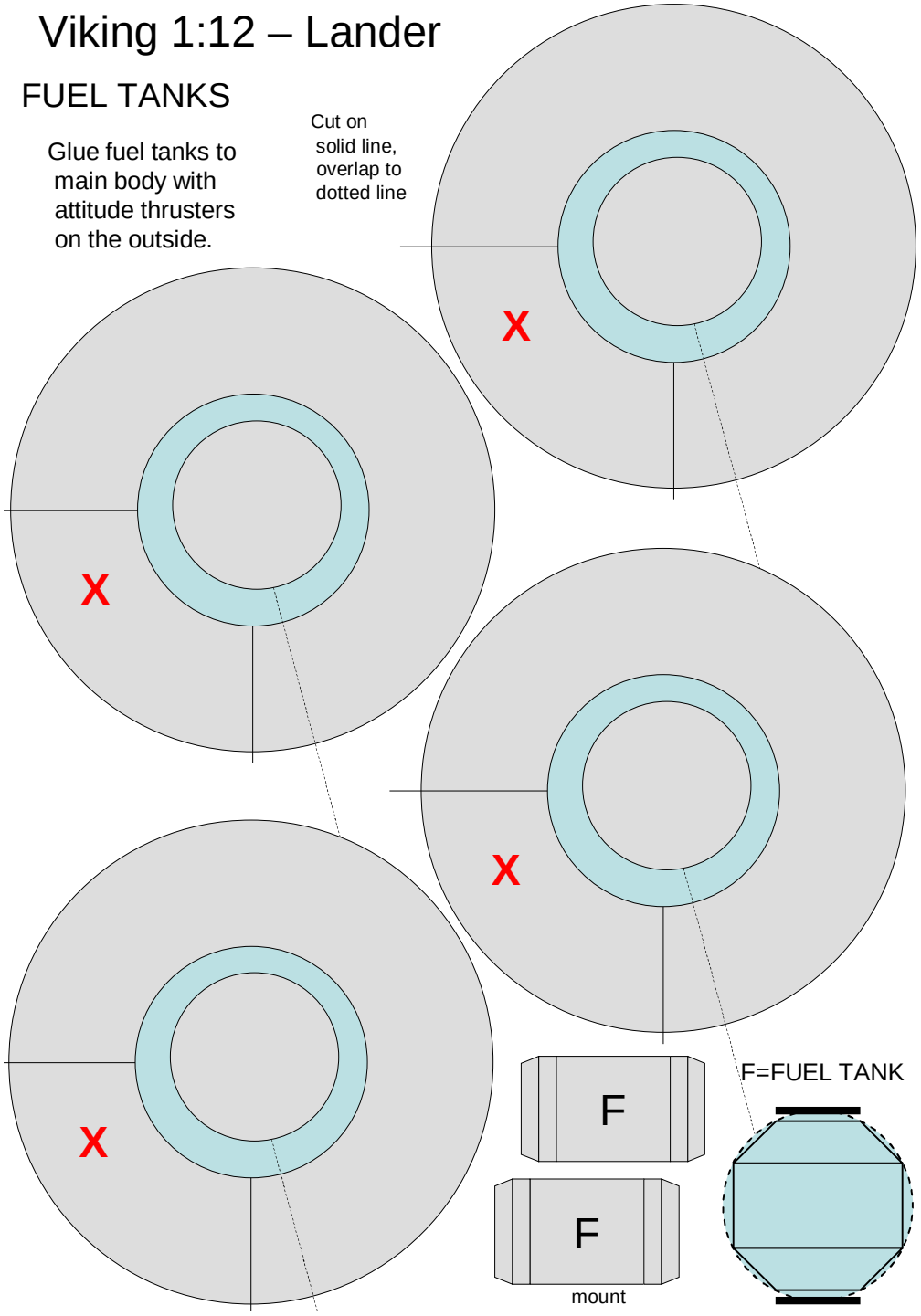
Lander body - bottom

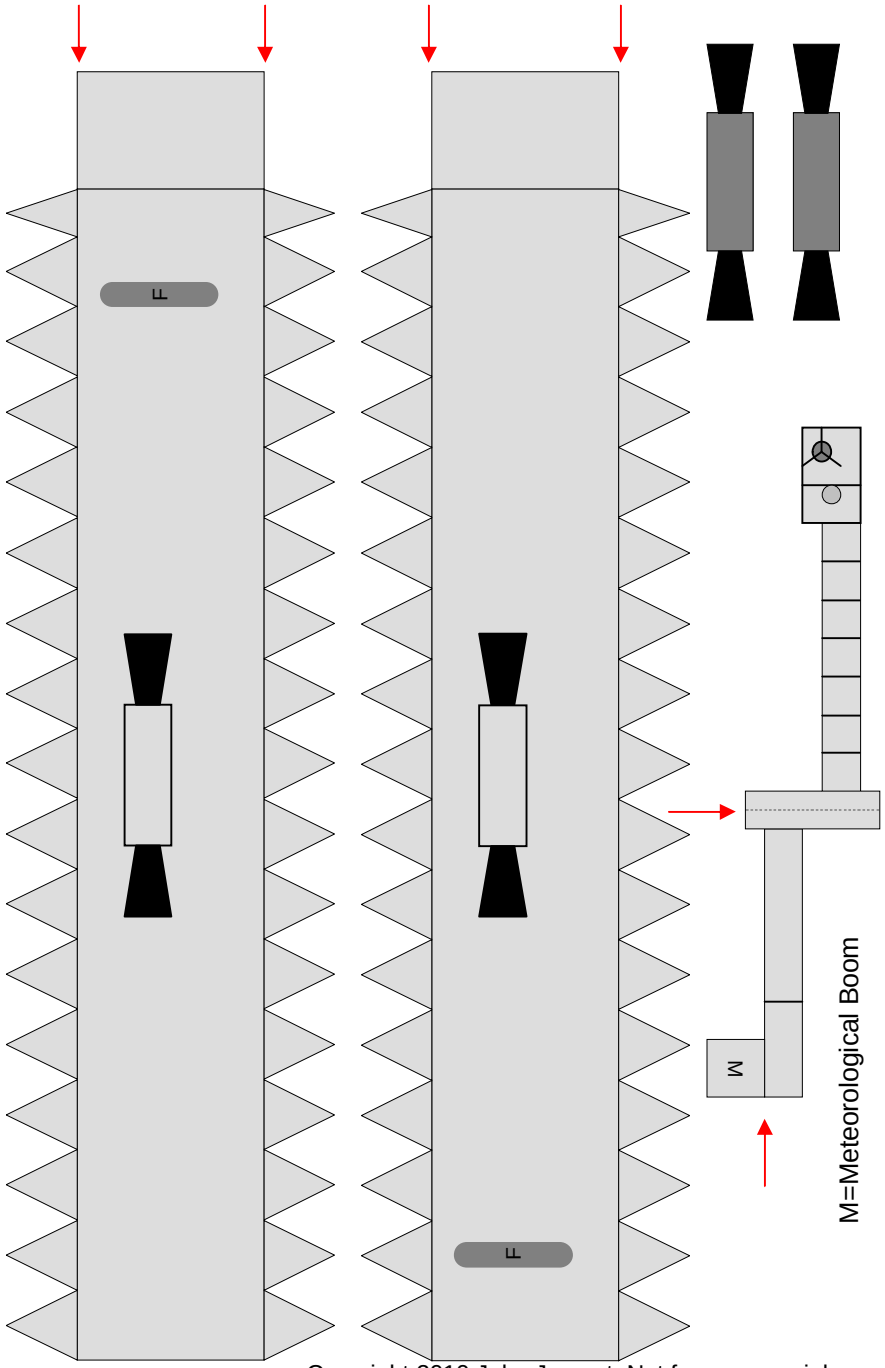
Viking 1:12 – Lander

FUEL TANKS

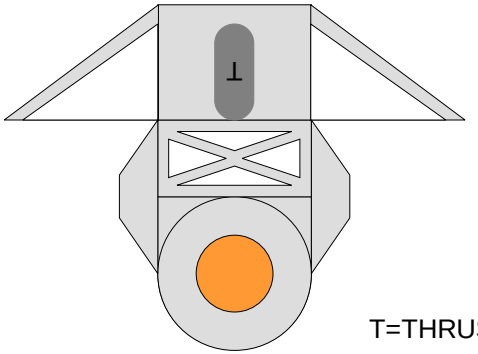
Glue fuel tanks to main body with attitude thrusters on the outside.

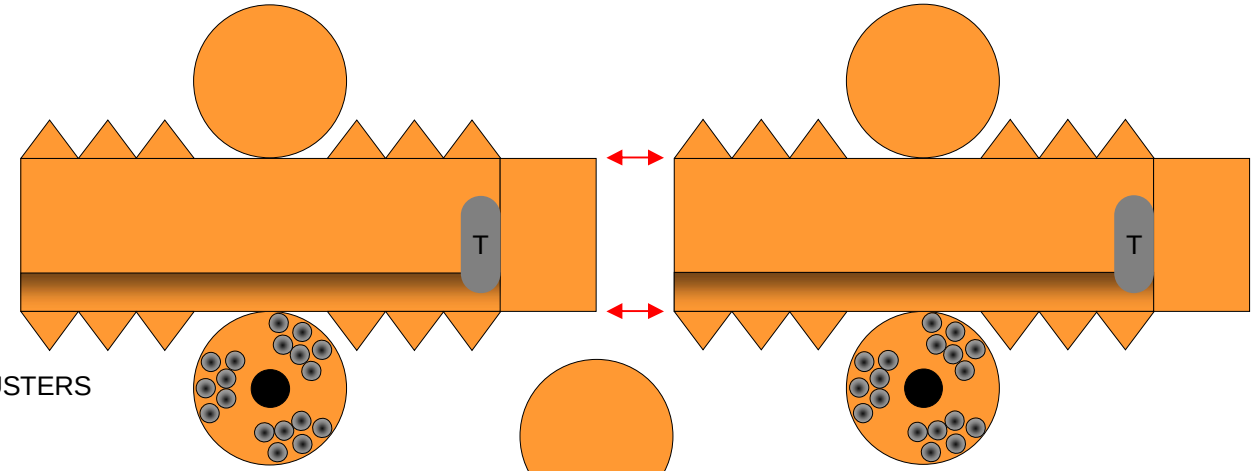
Cut on solid line, overlap to dotted line



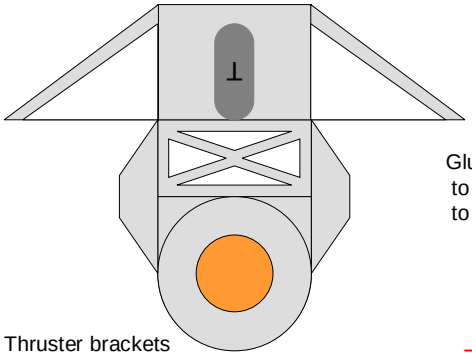


Viking 1:12 – Lander



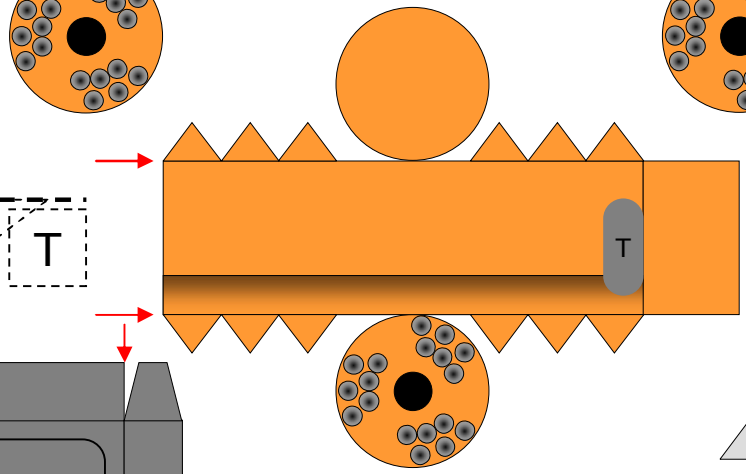


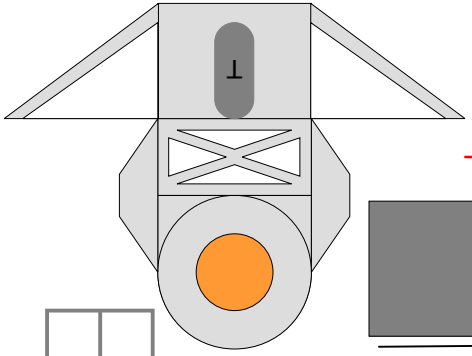
T=THRUSTERS

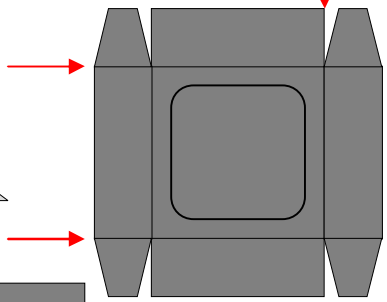


Thruster brackets

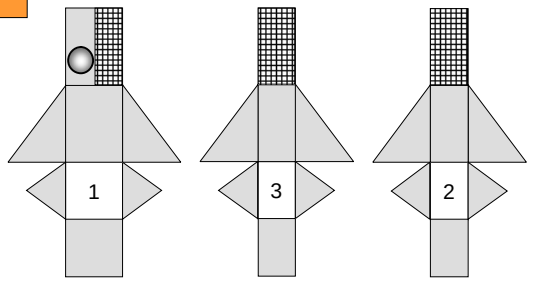
Glue thruster top to bracket, bracket to main body





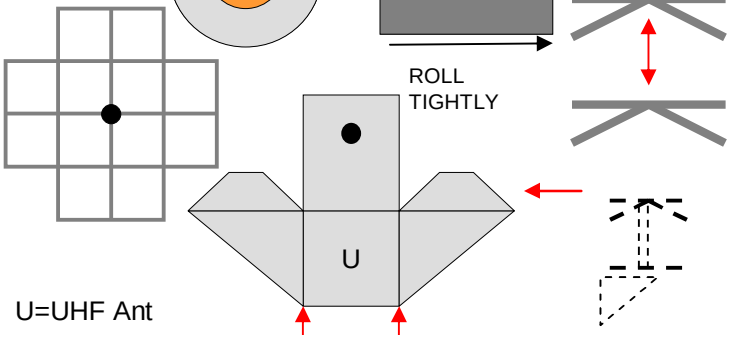


S=SEISMOMETER

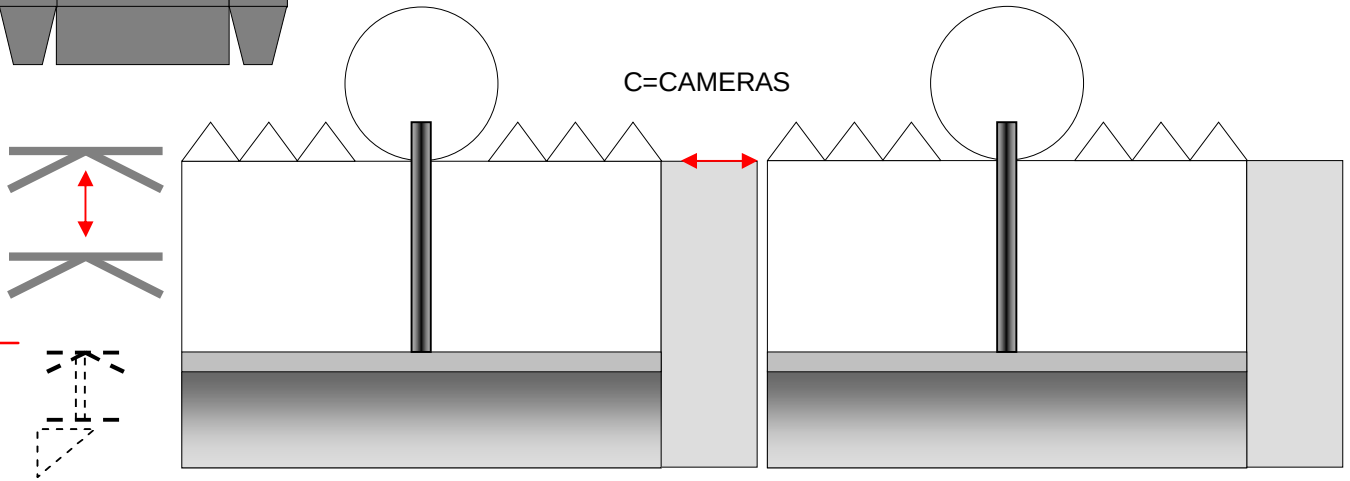


CAMERA TARGETS

ROLL TIGHTLY

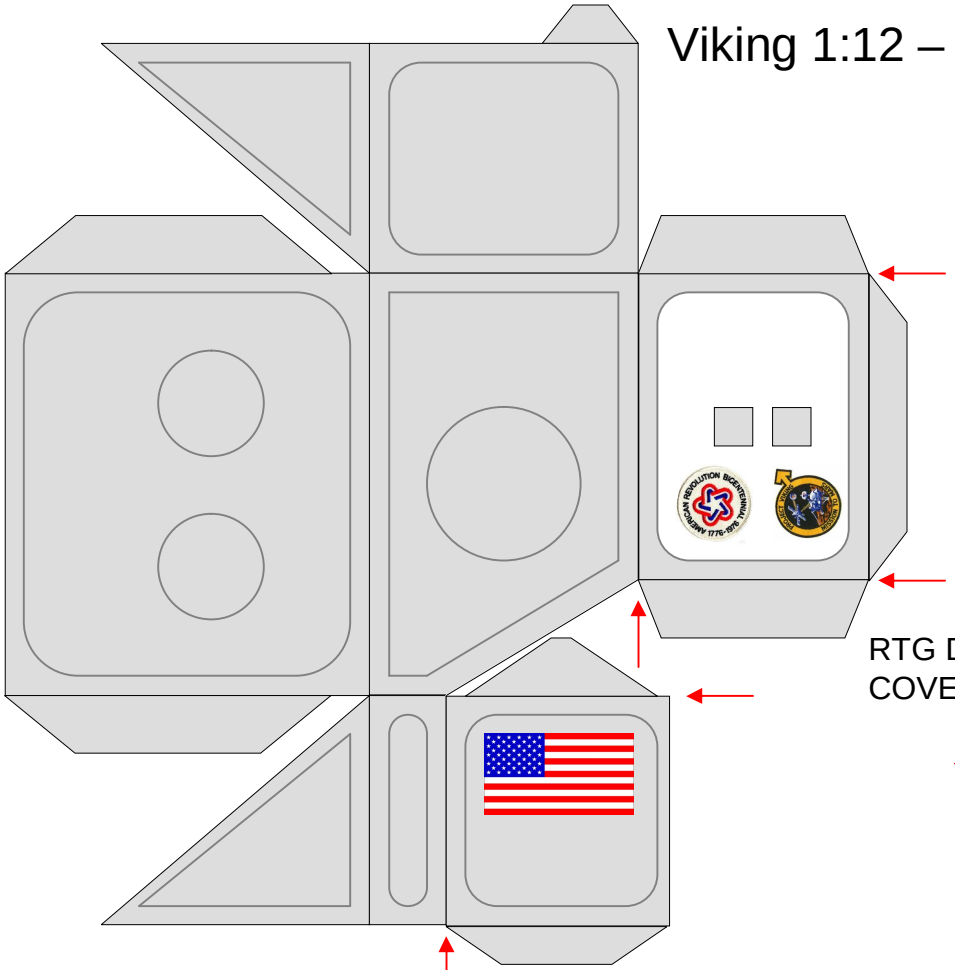


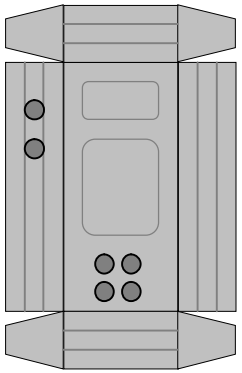
U=UHF Ant



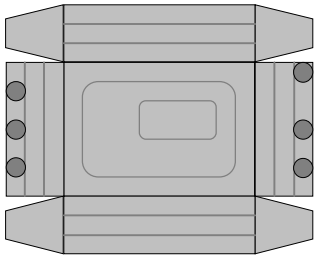
C=CAMERAS

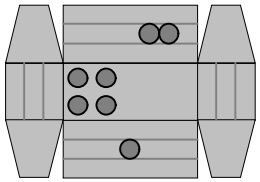
Viking 1:12 – Lander

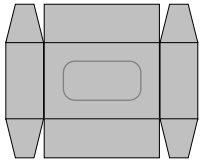


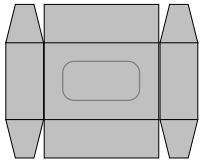


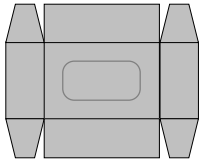
Optional: equipment boxes
for main body



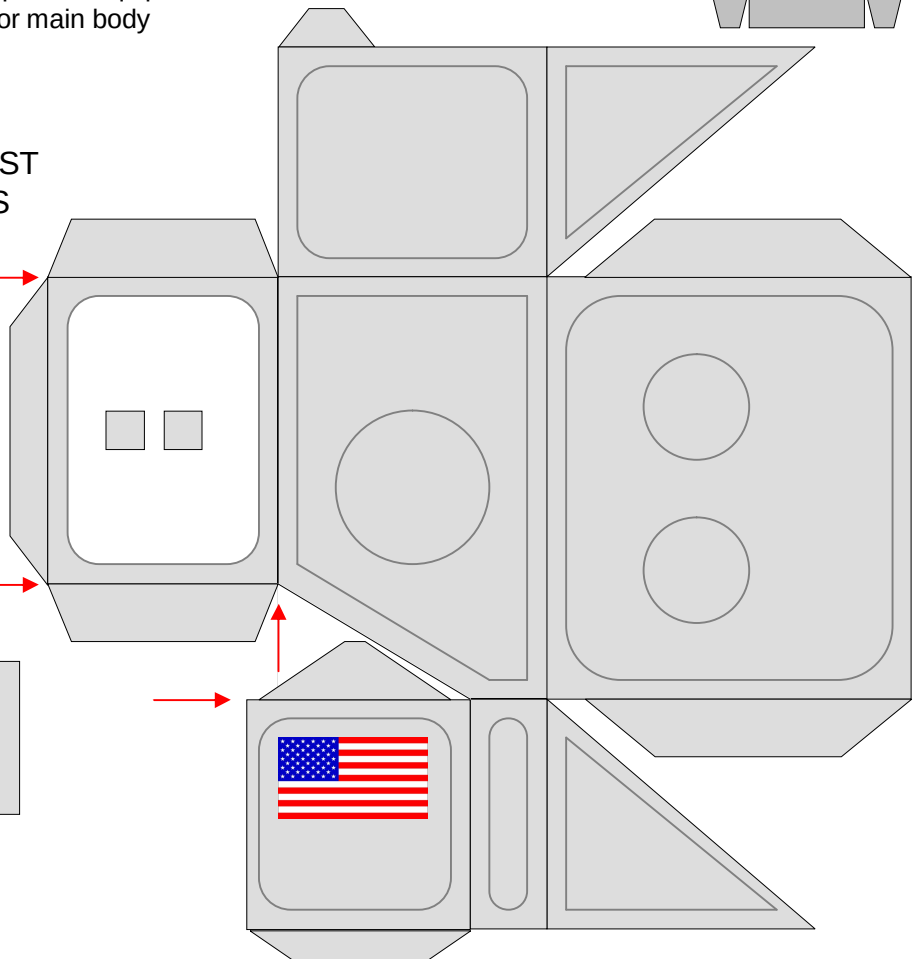




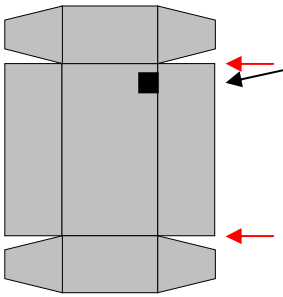




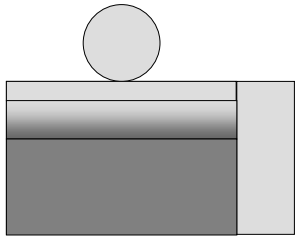
RTG DUST
COVERS



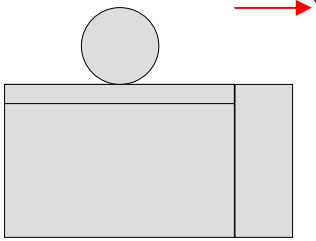
Attach HGA
support mast.



B=BOX

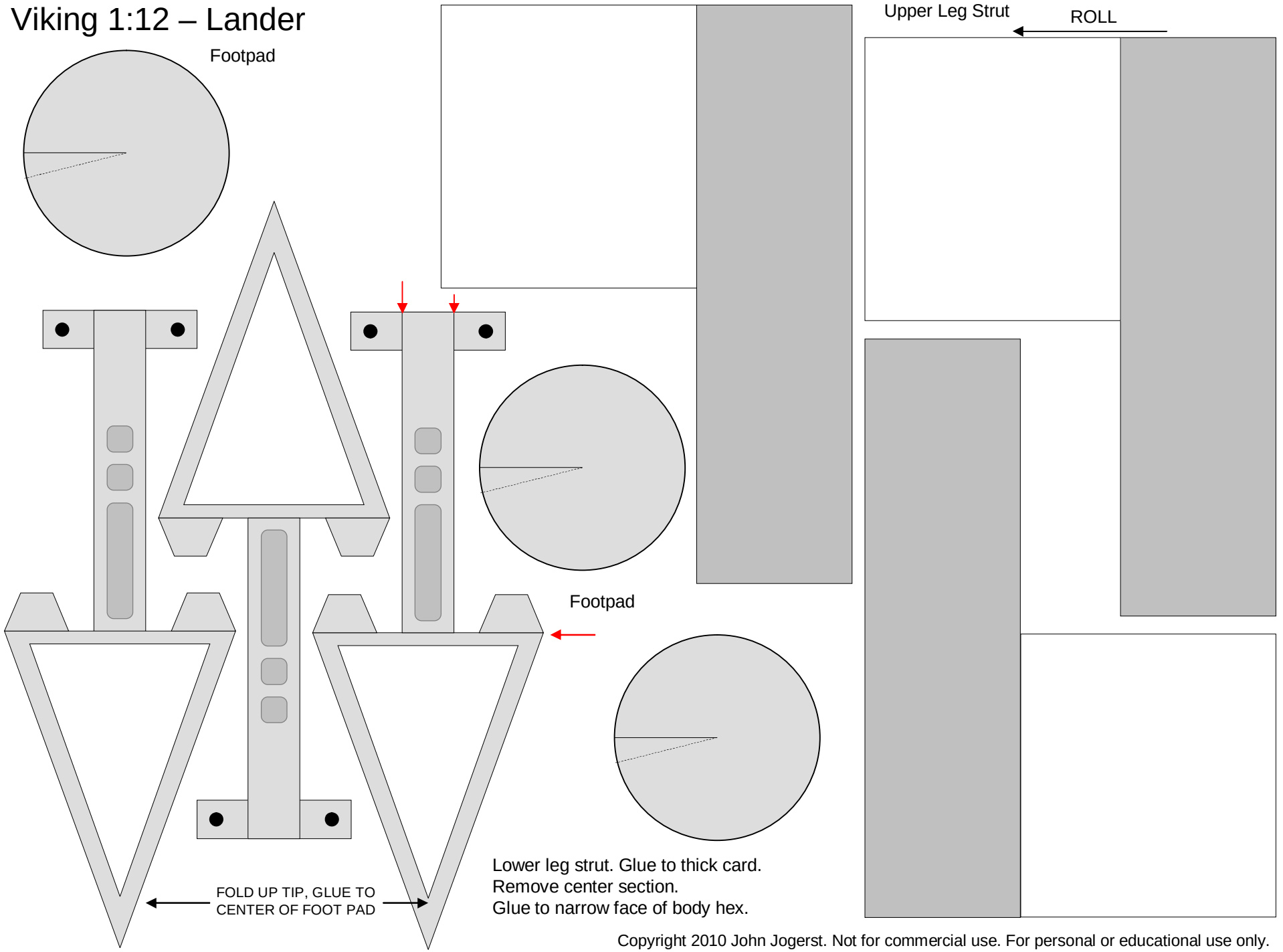


G=Spectroscope

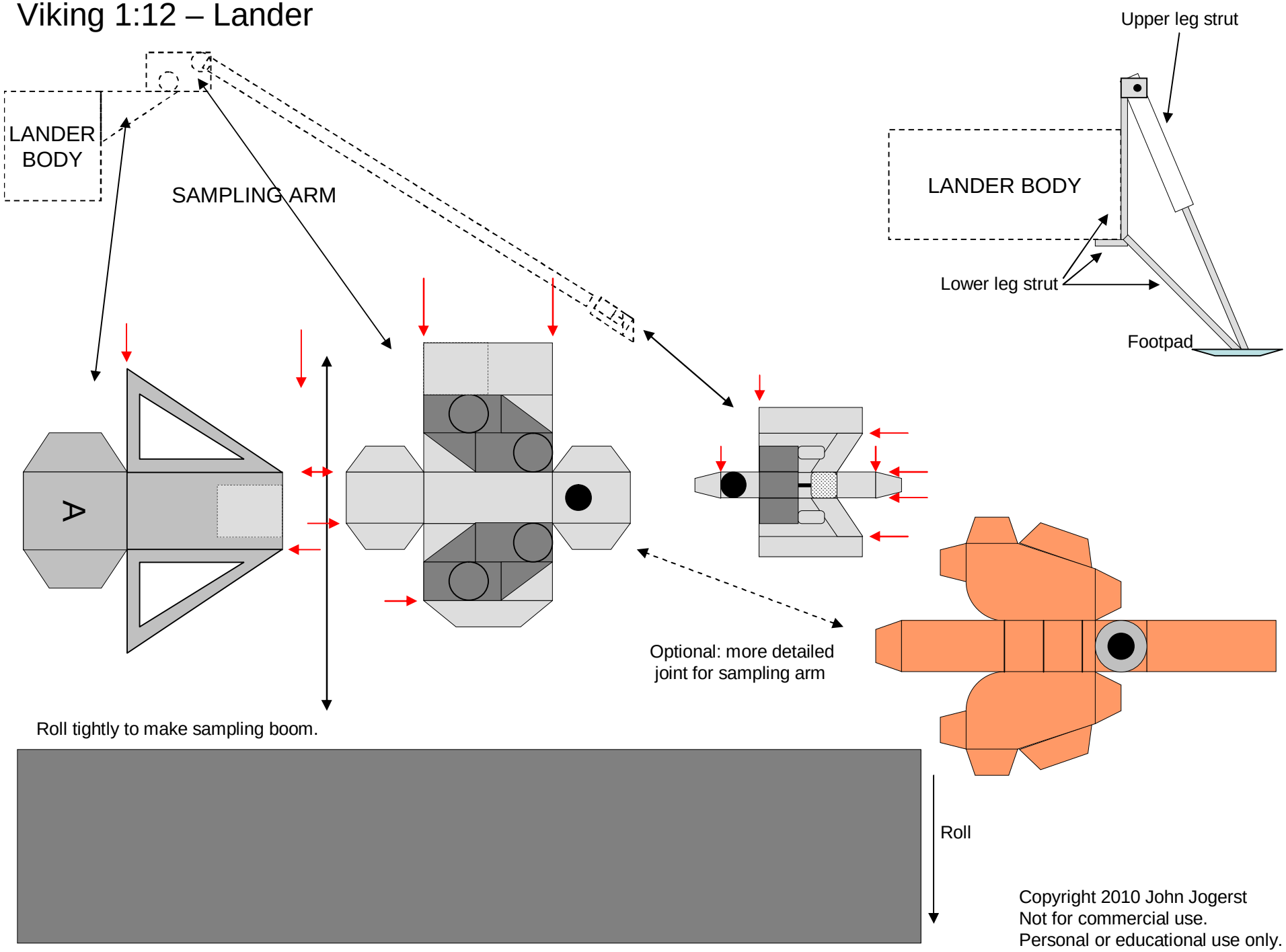


I=BIO EXP.

Viking 1:12 – Lander

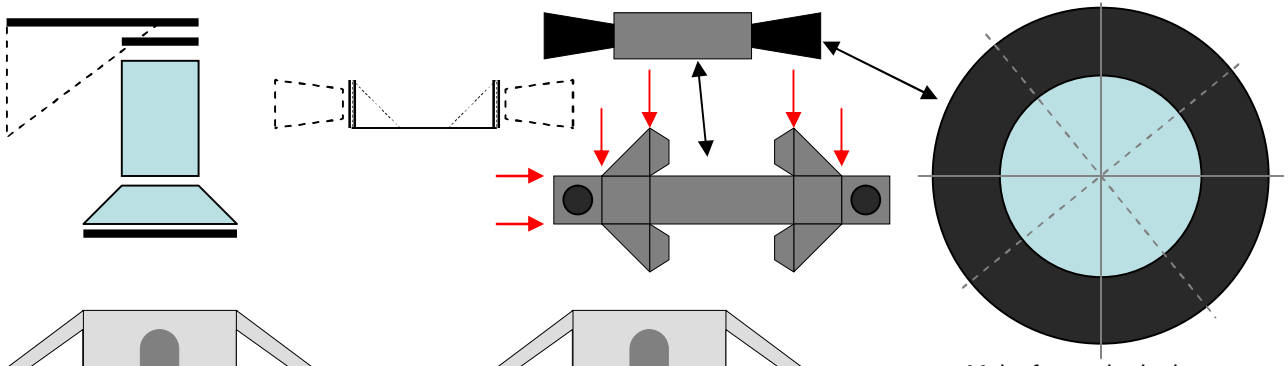


Viking 1:12 – Lander

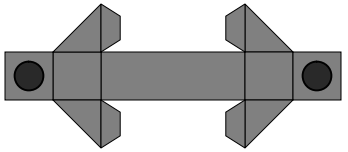


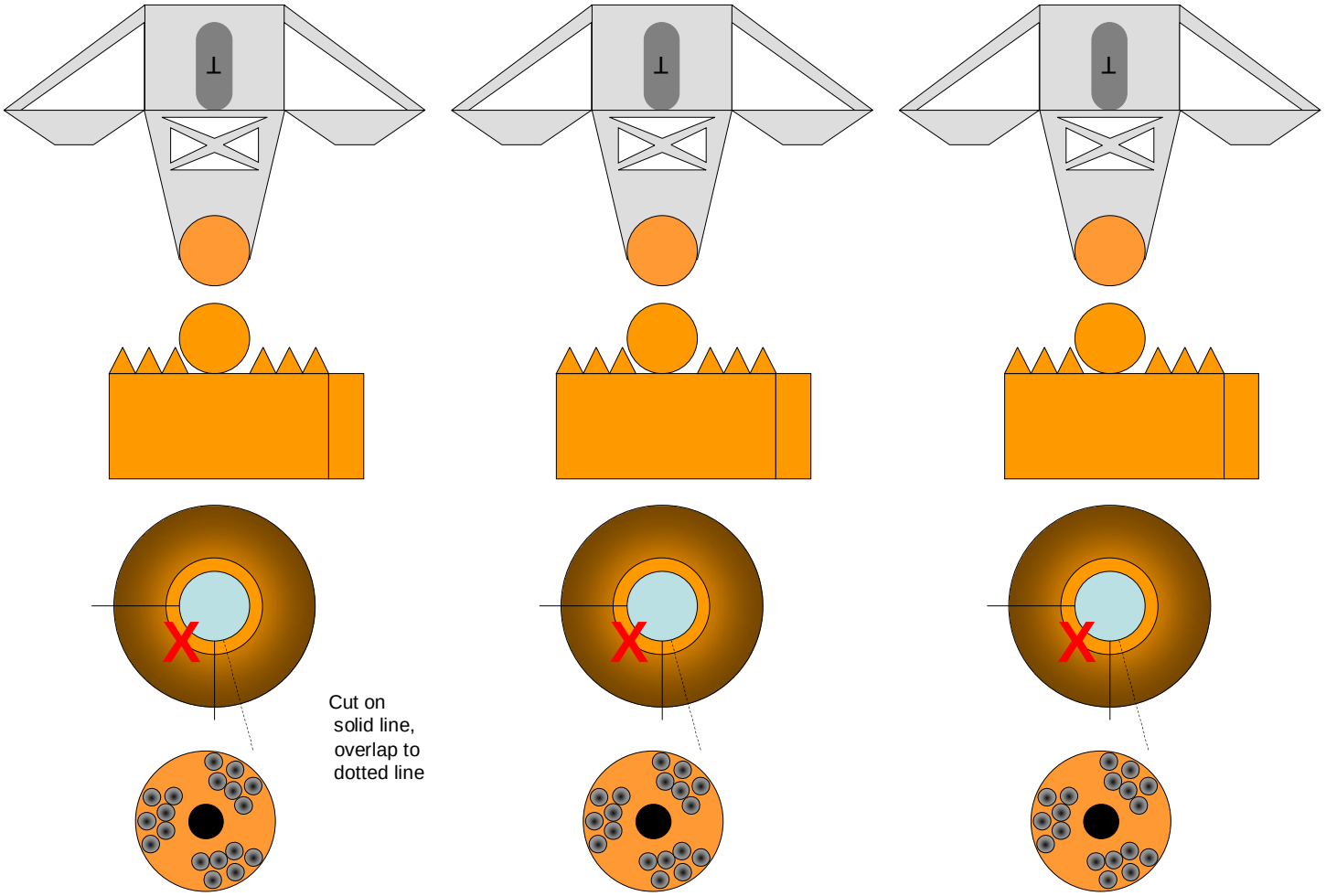
Viking 1:12 – Lander

Optional-thruster detailing

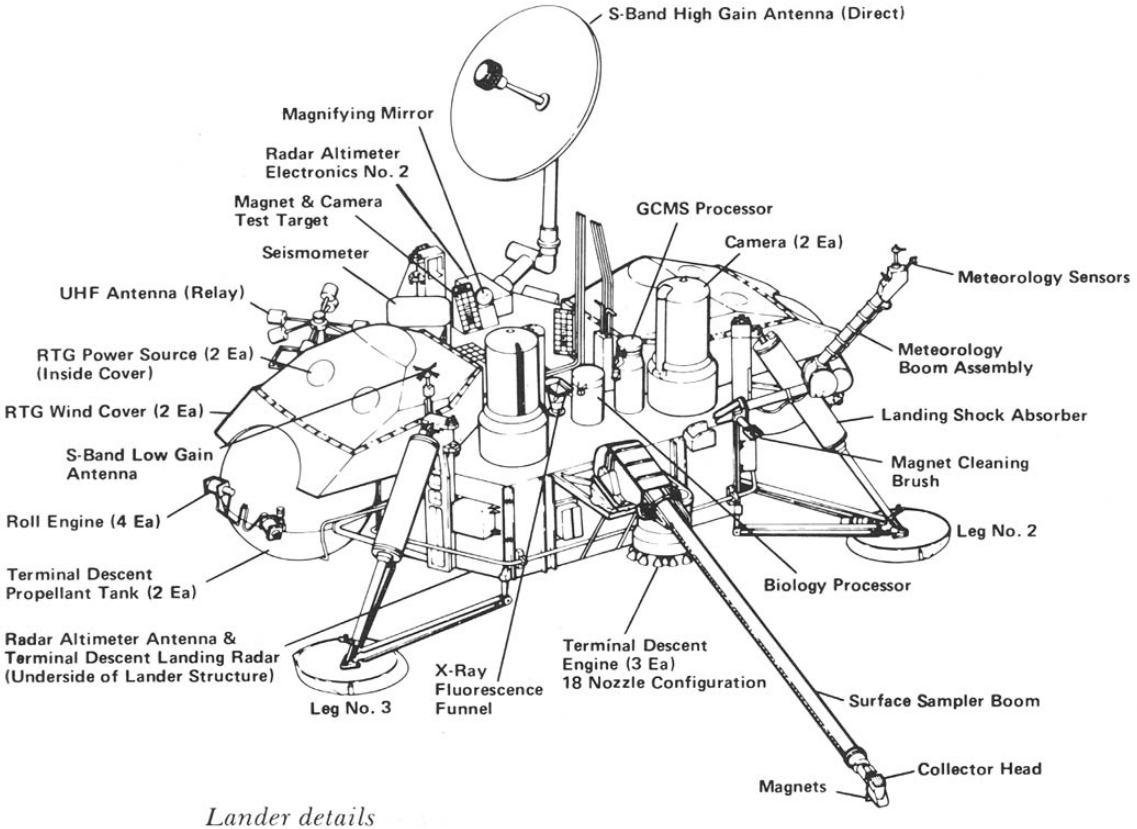


Make four attitude thruster nozzles.
Cut on solid lines, overlap to dotted lines.





Cut on solid line, overlap to dotted line



Lander details