

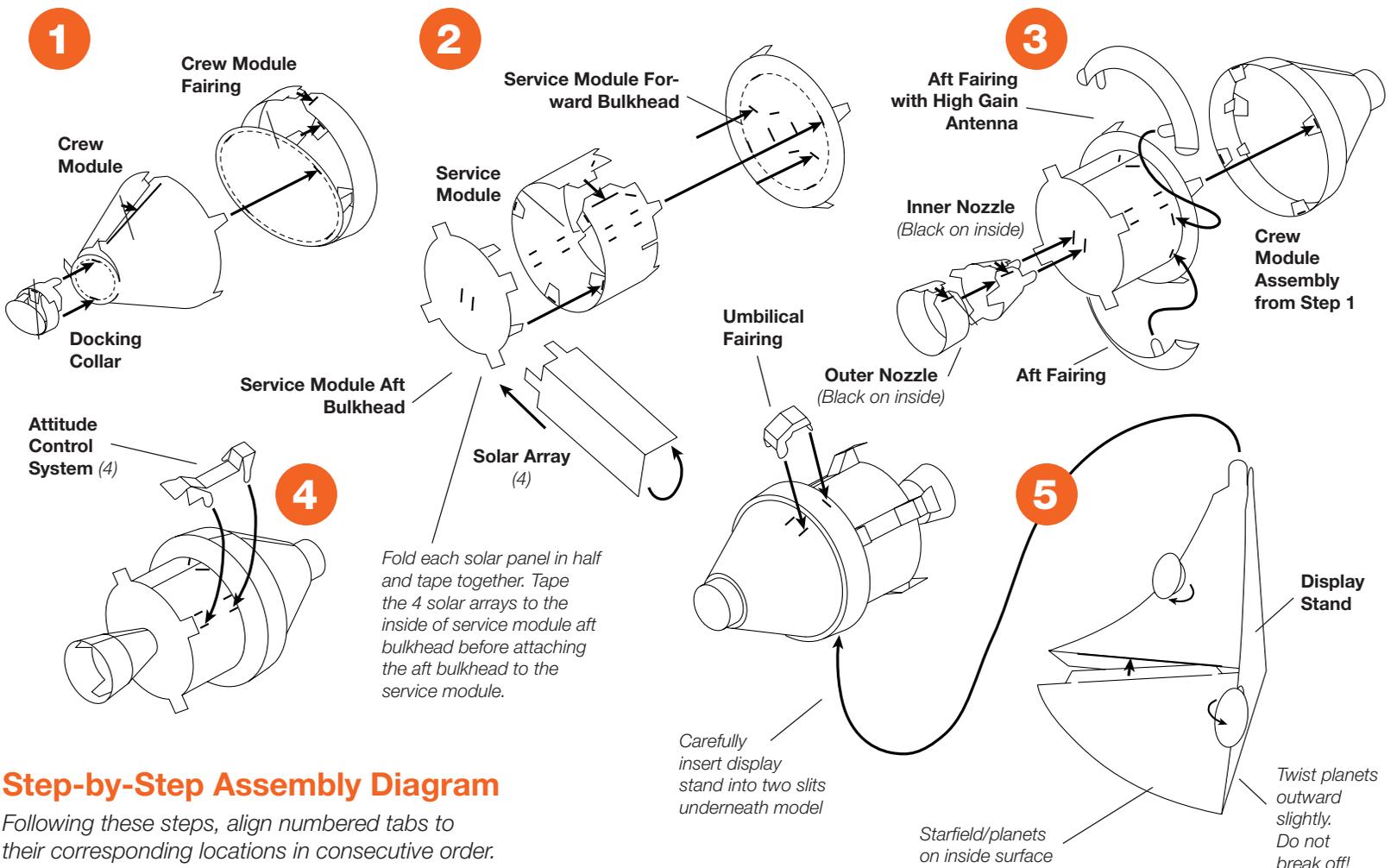
The Orion Spacecraft

Humans are embarking on a journey to Mars and it begins with the Orion spacecraft – NASA’s new interplanetary spaceship that will launch atop the world’s most powerful rocket to take astronauts on a journey of exploration throughout our solar system.

The Space Launch System rocket will cast Orion beyond the moon, out to asteroids and then onward to the Red Planet, enabling humanity to one day pioneer new worlds. To protect astronauts on these long-duration missions and return them safely to Earth, Orion engineers have woven innovative technology, advanced systems and state-of-the-art thermal protection into the fabric of the spacecraft.

The team behind Orion has built upon the past 50 years of space exploration experience in human spaceflight, launch operations, robotic precursor missions, in-space construction and mission management. The main components of Orion are the crew module where astronauts will live, work and control the spaceship; the service module that provides power, air and water for the crew; and the launch abort system that propels the crew to safety in an emergency during launch or ascent.

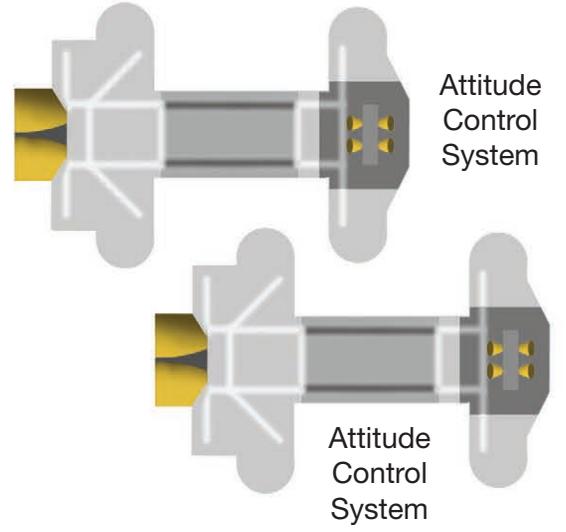
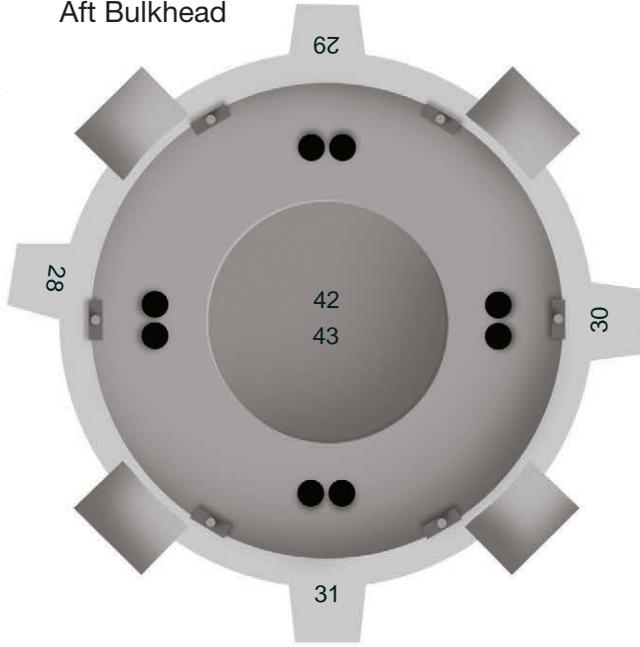
We invite you to join us on this Journey to Mars as Orion and the Space Launch System illustrate how unparalleled ingenuity and passion for exploration will continue America’s legacy of leadership and discovery in space. **#JourneyToMars**



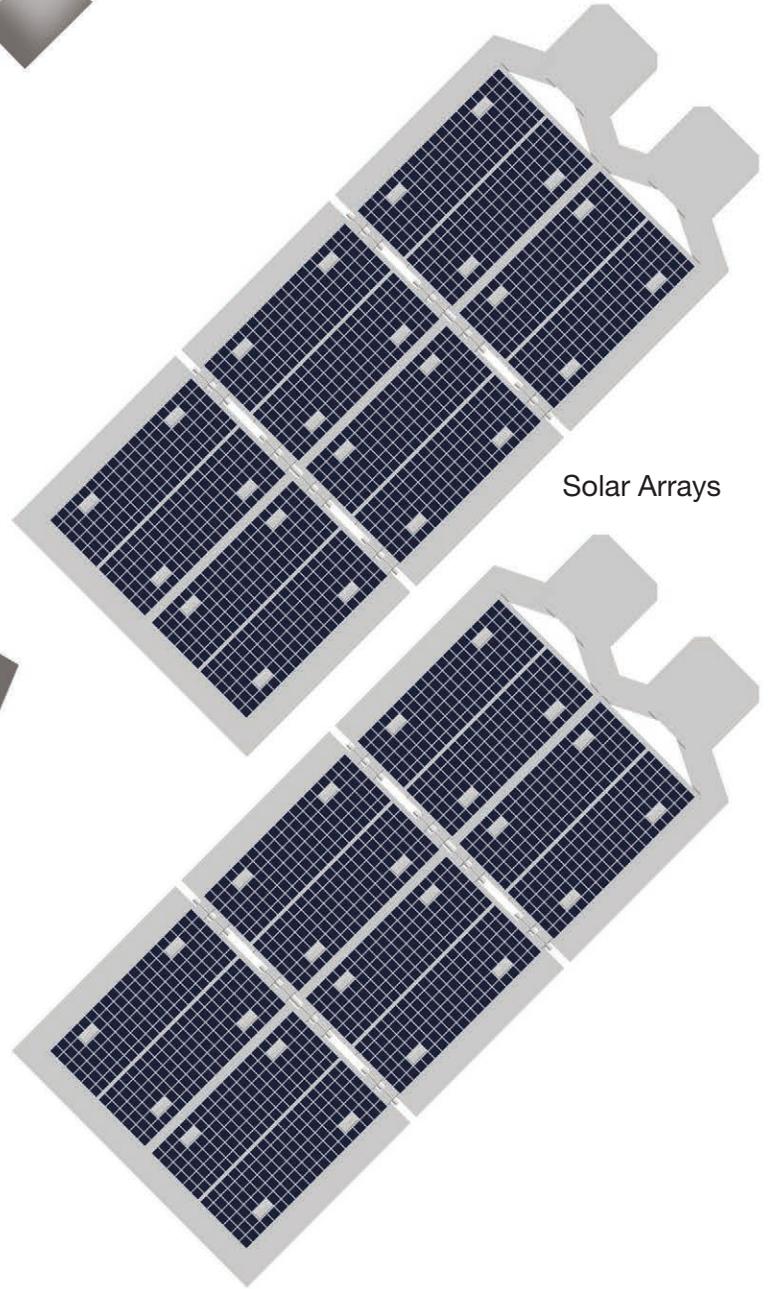
Step-by-Step Assembly Diagram

Following these steps, align numbered tabs to their corresponding locations in consecutive order.

Service Module
Aft Bulkhead



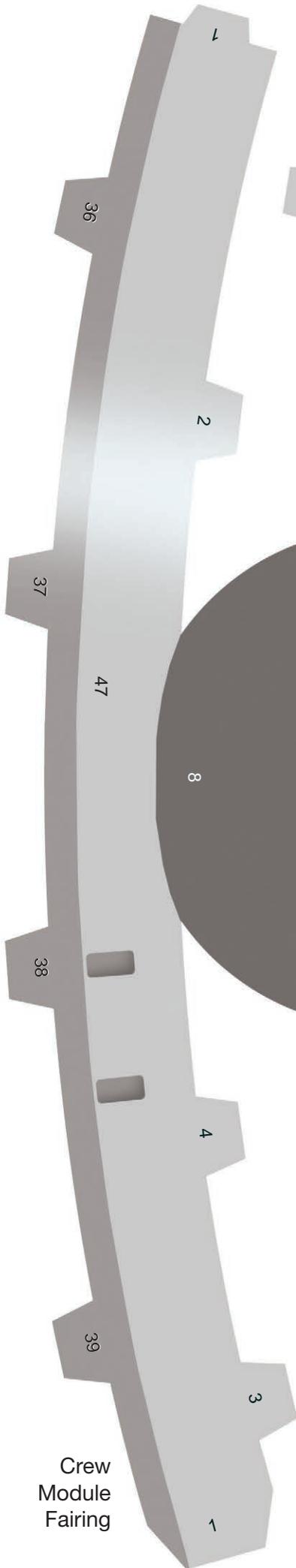
Solar Arrays



Aft Fairing

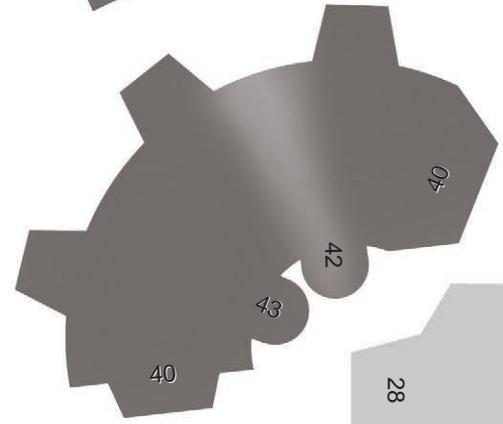


Crew Module
Fairing





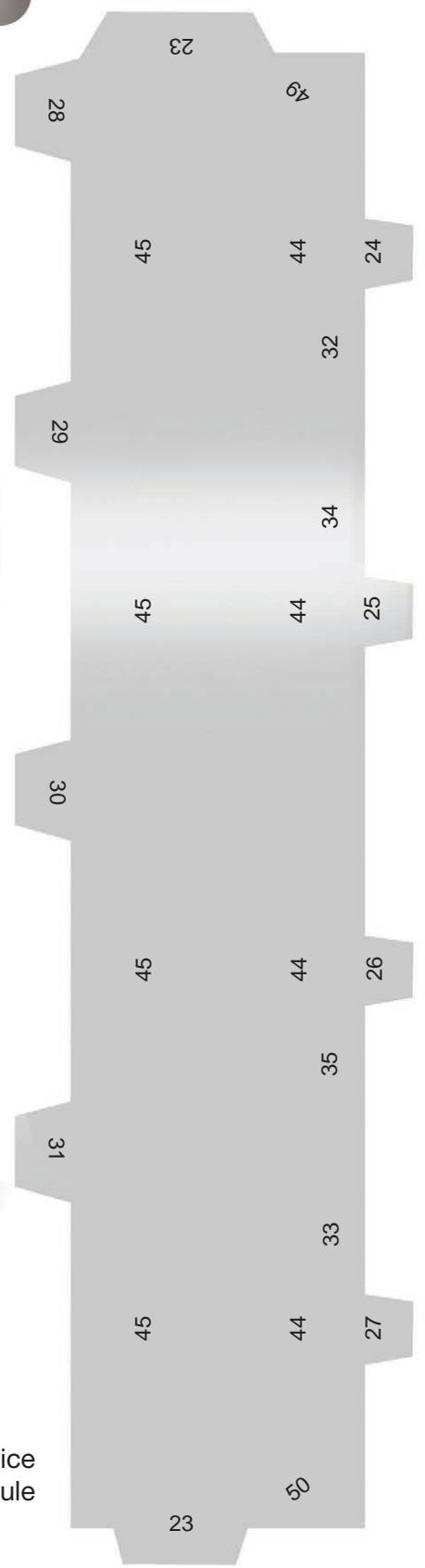
Outer Nozzle



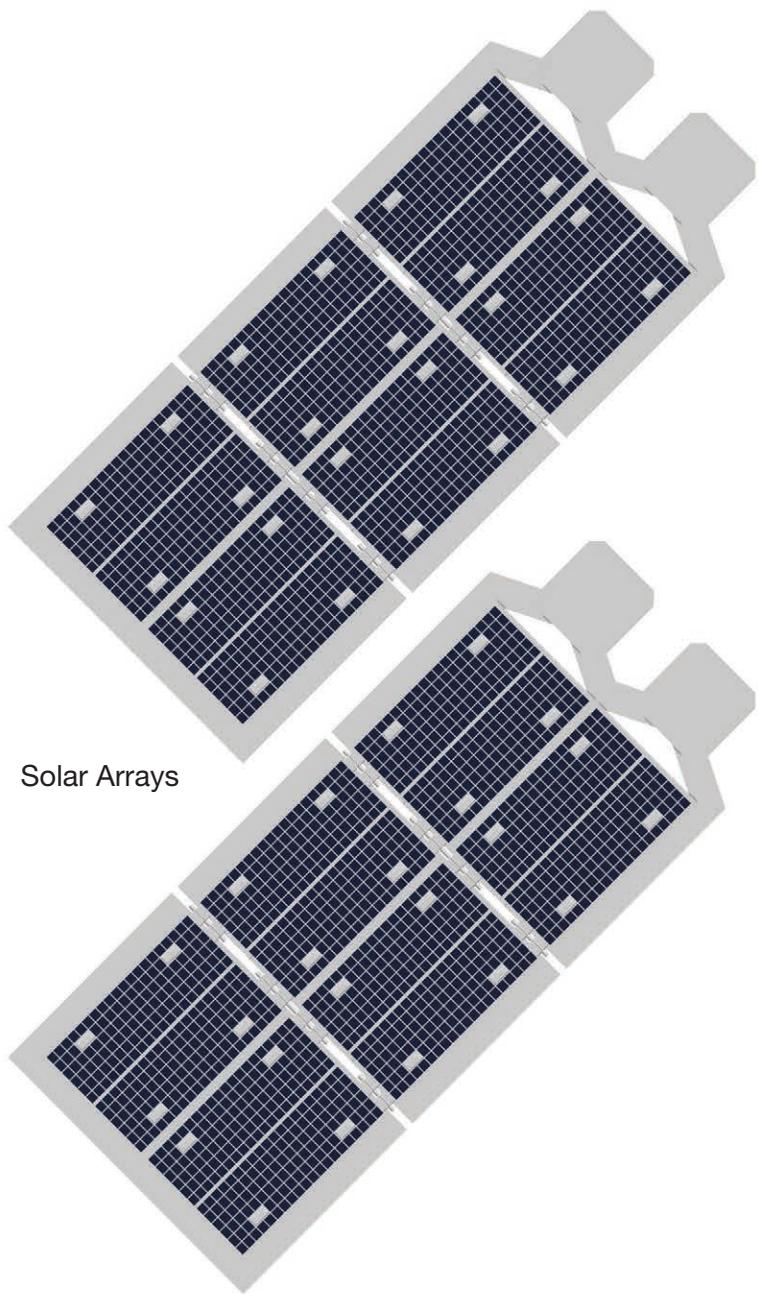
Inner Nozzle



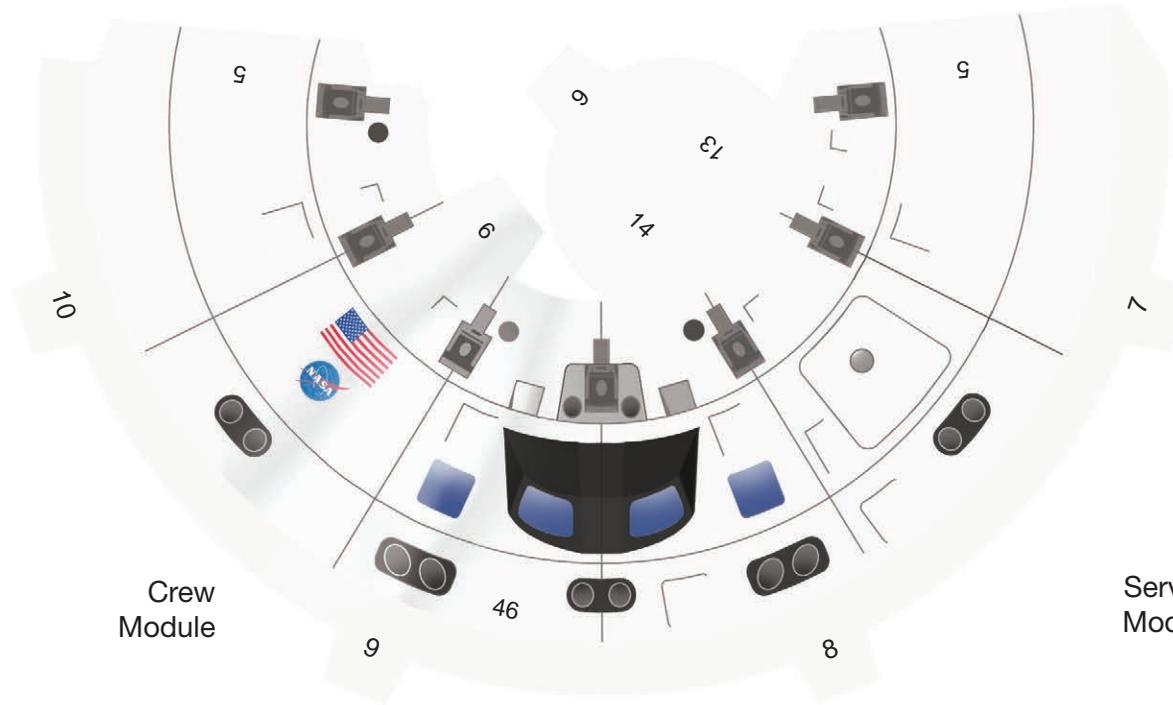
Aft Fairing



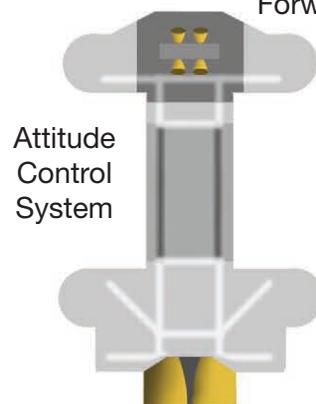
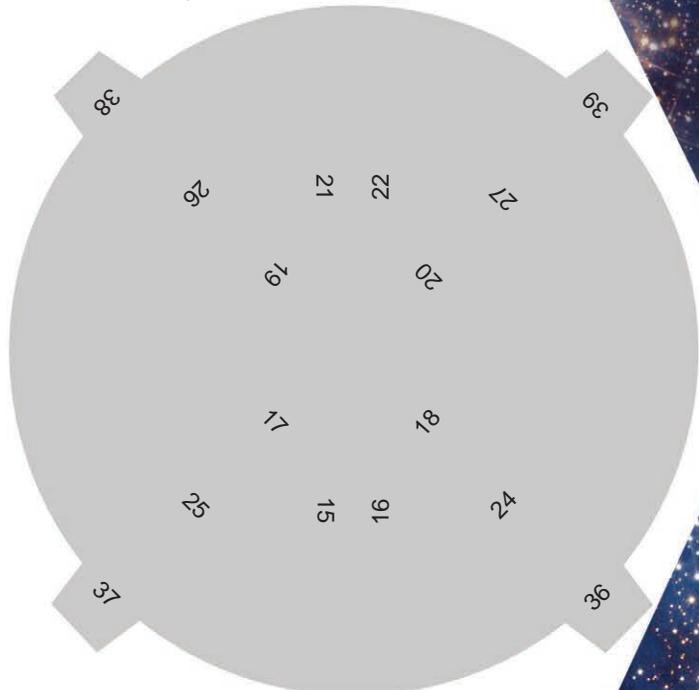
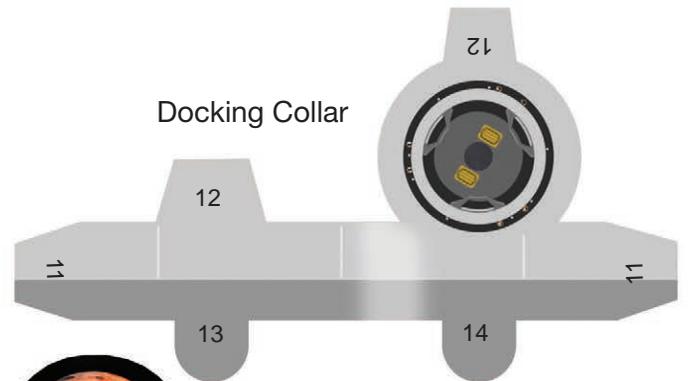
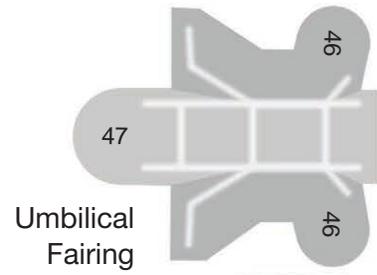
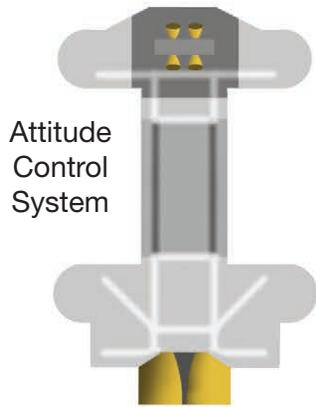
Service Module



Solar Arrays



Crew Module



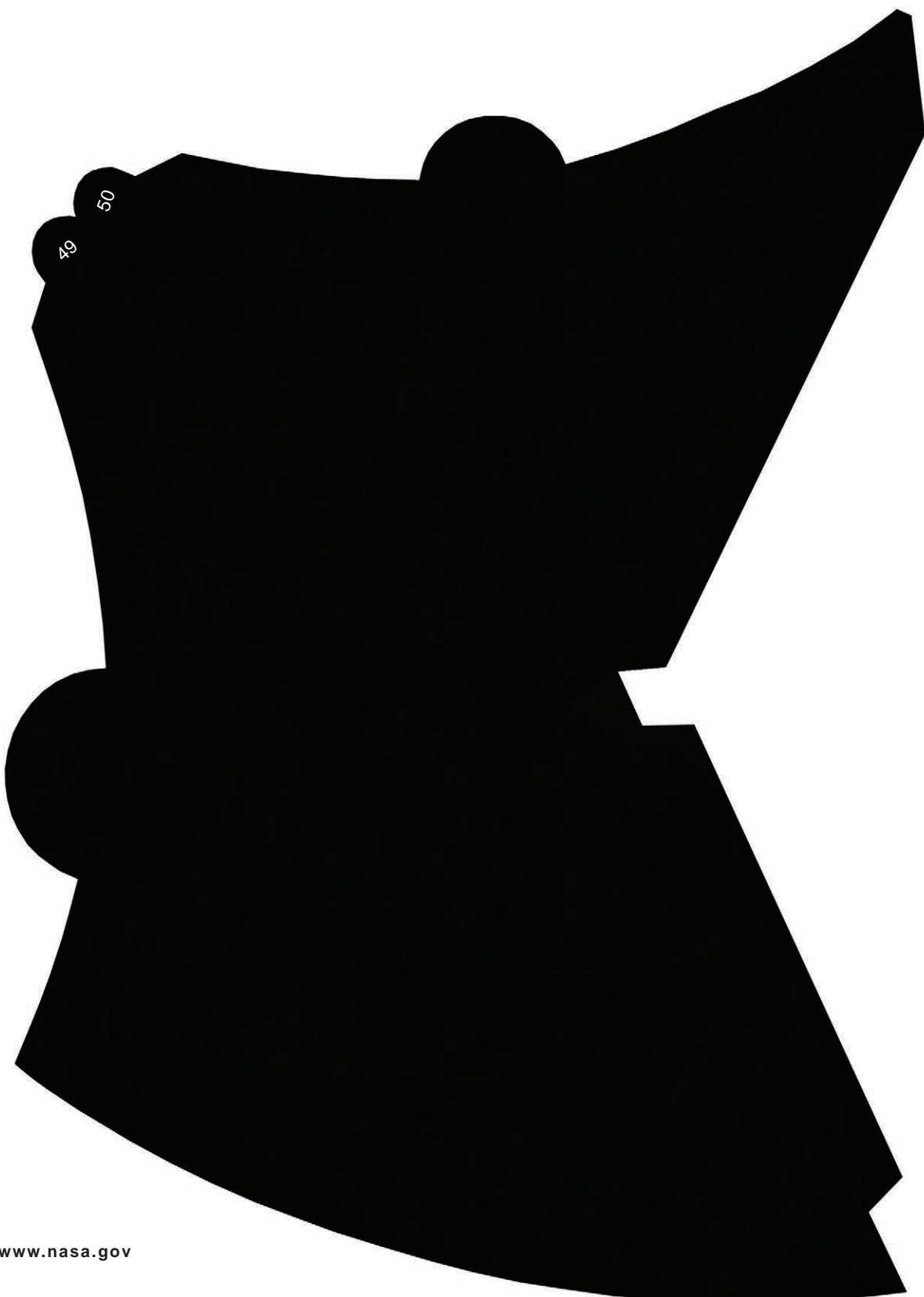
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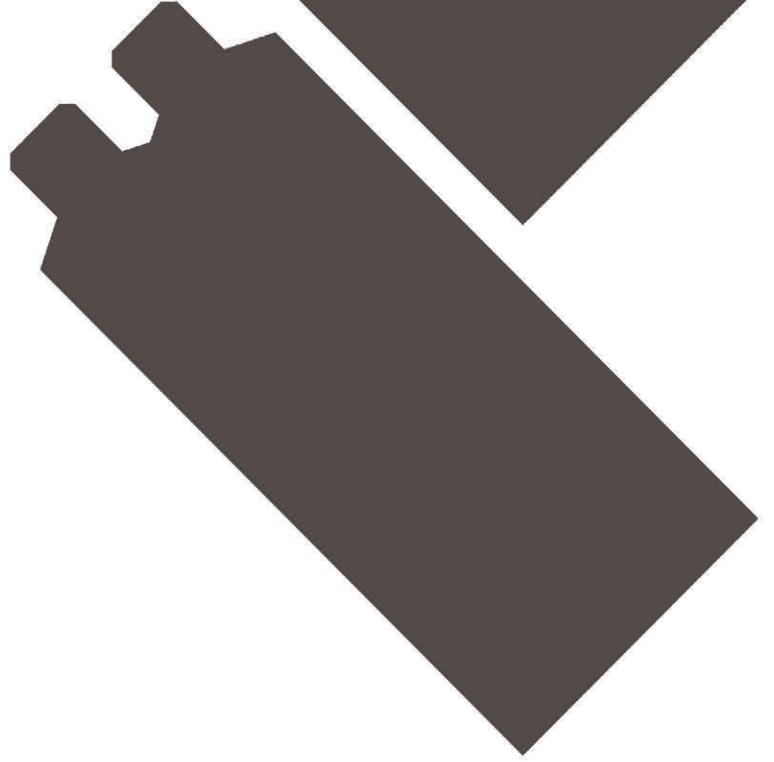
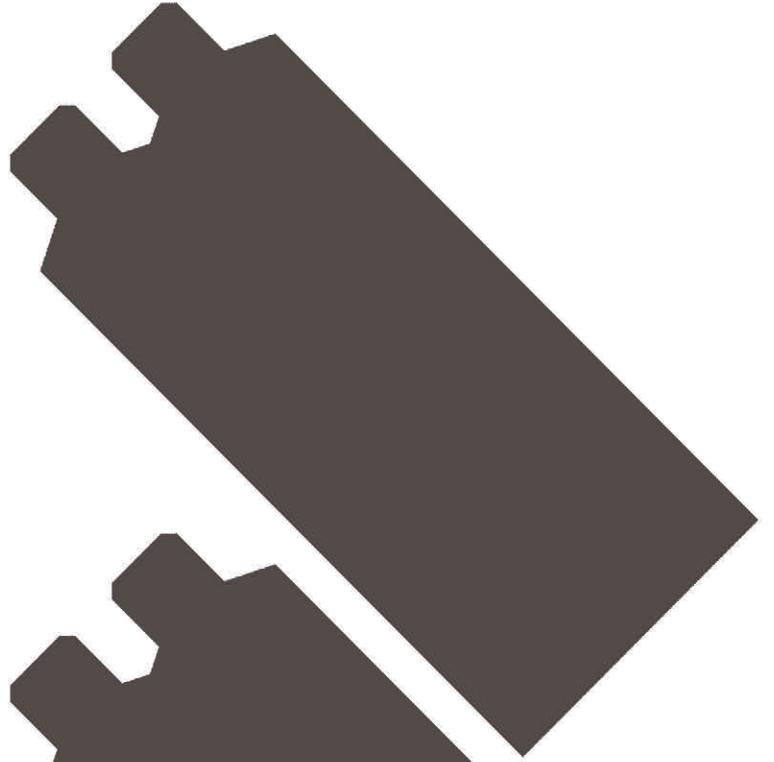
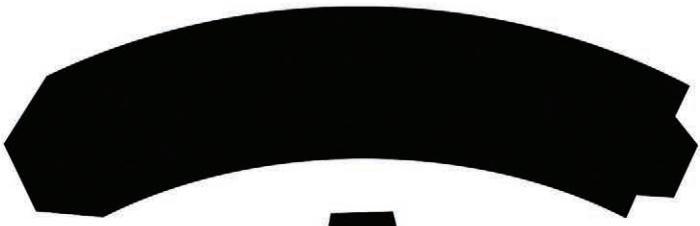
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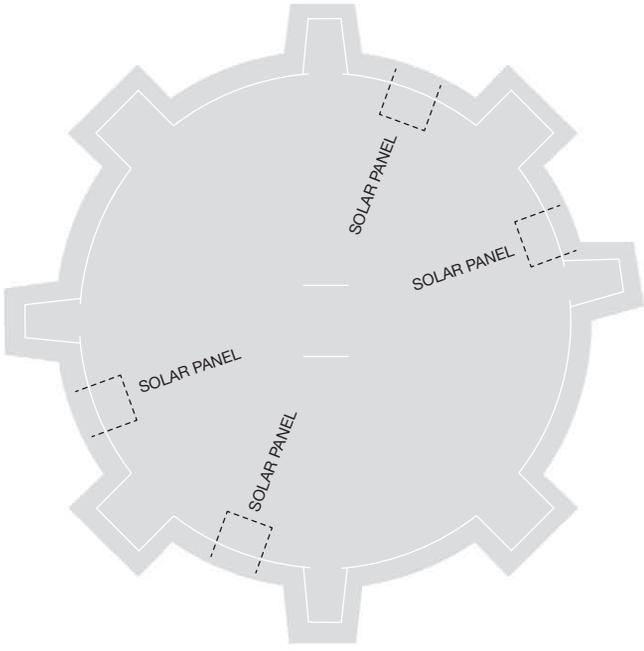
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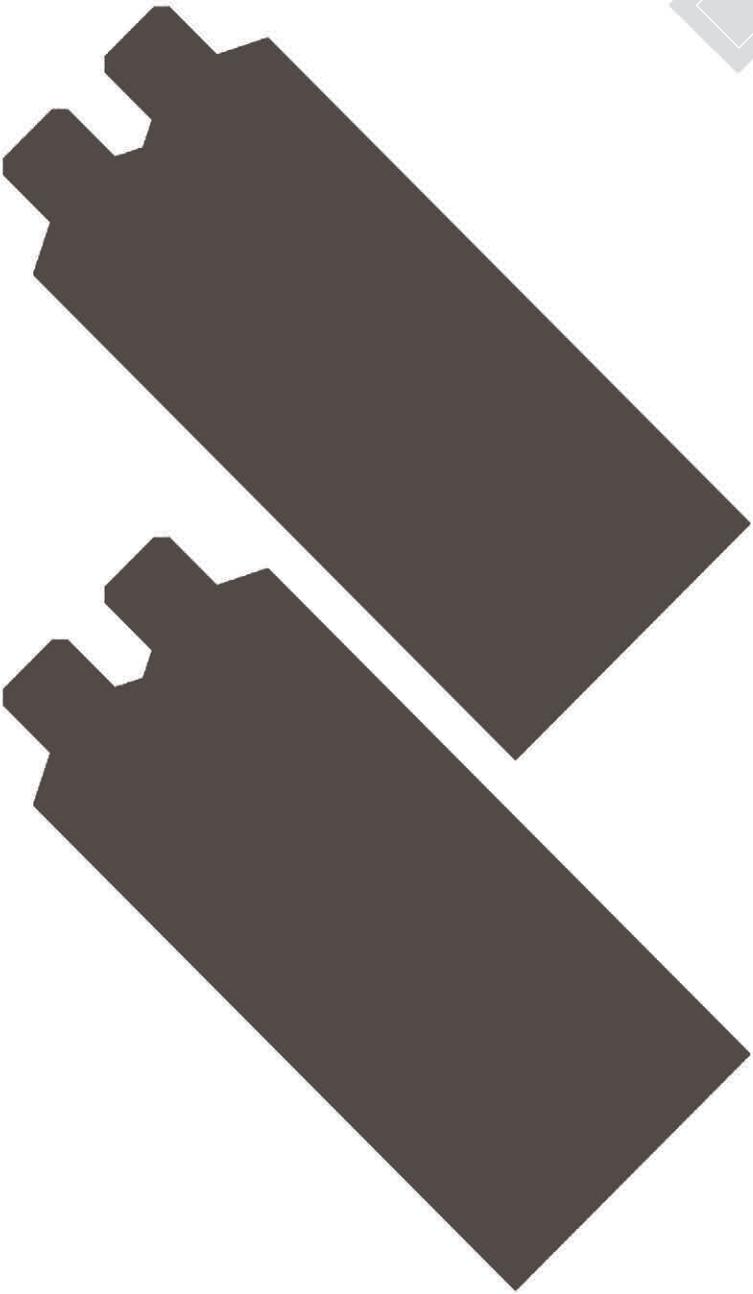
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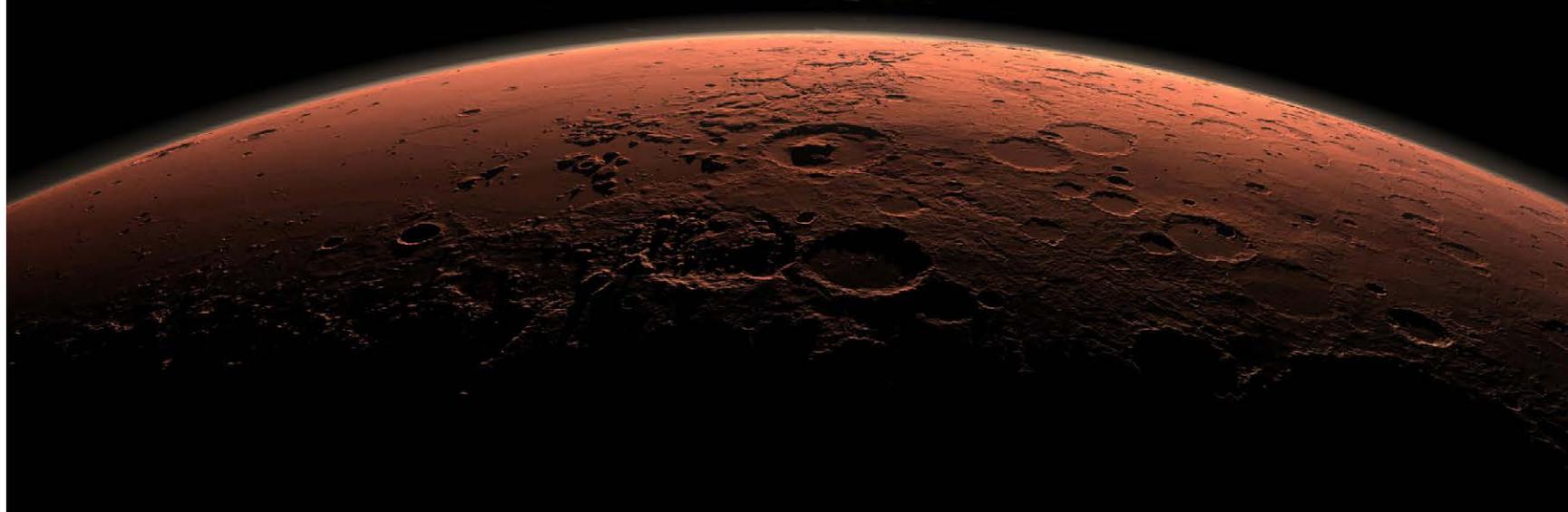
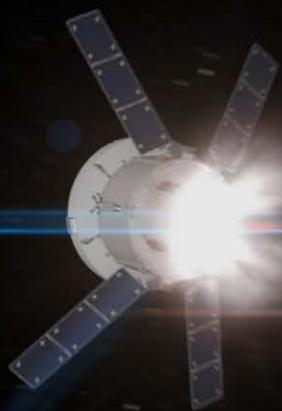
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National Aeronautics and Space Administration



ORION

DESKTOP MODEL



www.nasa.gov