

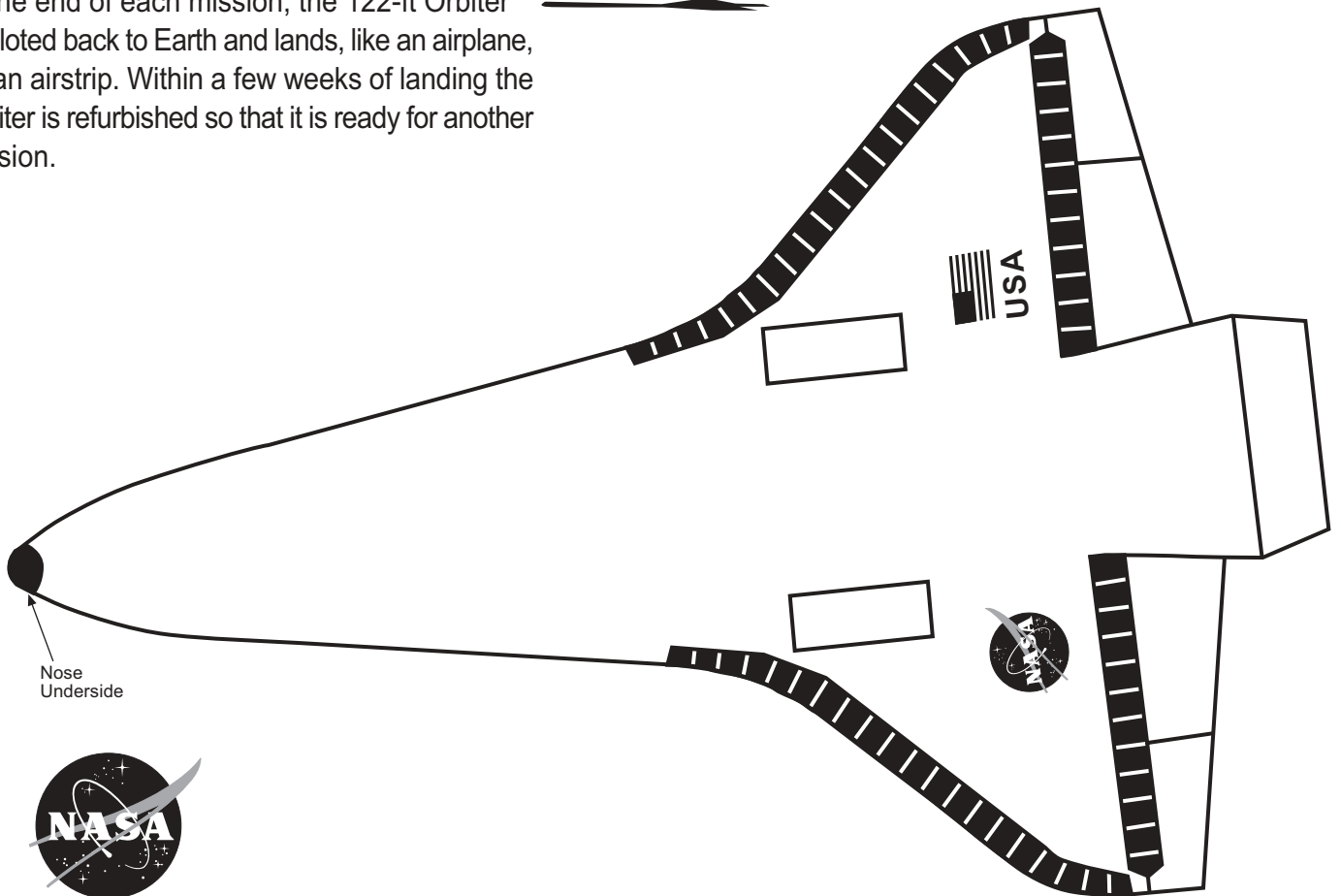
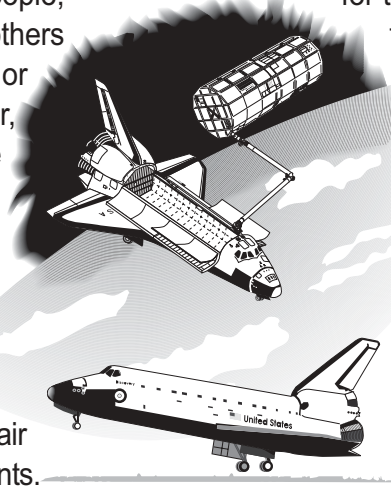


U. S. Space Shuttle Glider Kit

Your Space Shuttle glider is a 1:200-scale model of the U.S. Space Shuttle Orbiter. The airplane-like Orbiter can function as a space station which can remain in Earth orbit for up to 30 days at a time. It normally carries about seven people, three of these are astronaut-pilots, the others are specialists in some area of science or technology. From the spaceship Orbiter, the crew are able to conduct many of the space missions which, until now, have been executed from Earth; they are able to launch satellites (weather, communications, navigation, Earth Resources), scientific spacecraft (to explore and study our solar system). In addition, the crew can retrieve and repair satellites and conduct onboard experiments.

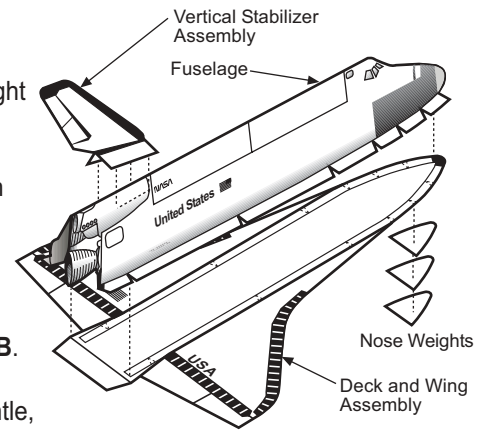
At the end of each mission, the 122-ft Orbiter is piloted back to Earth and lands, like an airplane, on an airstrip. Within a few weeks of landing the Orbiter is refurbished so that it is ready for another mission.

The Orbiter and its engines are just part of the Space Shuttle system. The other parts are the solid rocket boosters (SRBs) used for launch and the external tank, which contains the liquid propellant for the engines. All parts are reusable except the tank, which is jettisoned just before the Orbiter achieves Earth orbit. This ability to reuse costly equipment, as well as the ability to conduct missions from Earth orbit, substantially decrease the cost of space operations. Just as during our Earthbound years we relied on trucks, trains, and airlines to provide transportation, now we rely on the Space Shuttle to provide transportation to and from space.



Assembly Instructions: *Read carefully before assembly.*

1. Cut out all parts using scissors.
2. Cut out V-shaped notches on **Fuselage** to create tabs along outside edge. Fold tabs out.
3. Glue or tape three **Nose Weights** to underside of **Nose** of your glider. Use the fourth weight provided if needed for extra trim after assembly.
4. Fold **Fuselage** along middle line.
5. Starting at the **Nose**, glue or tape **Fuselage** to **Deck and Wing Assembly**. Match tabs on **Fuselage** exactly to those printed on **Deck and Wing Assembly**.
6. To close the **Nose**, glue or tape the two halves together using tabs provided.
7. Fold **Vertical Stabilizer Assembly**. Fold out tabs **A** and **B**. Except for tabs **A** and **B**, glue or tape **Vertical Stabilizer Assembly** to make one solid piece.
8. Attach **Vertical Stabilizer** to **Fuselage**, matching tab **A** with point **A** and tab **B** with point **B**.



Preflight Instructions: For best results, launch your **Shuttle Glider** with a gentle, level toss. Bend the **Body Flap** up slightly for greater lift.

