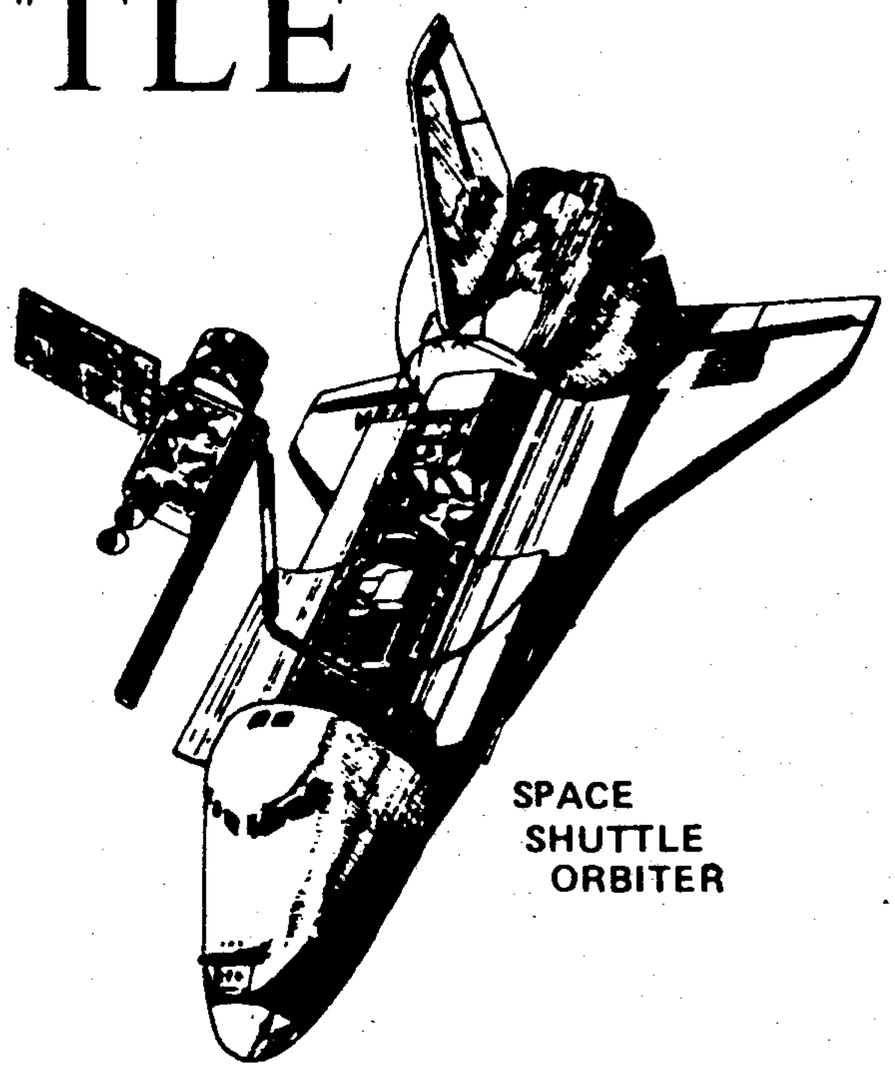
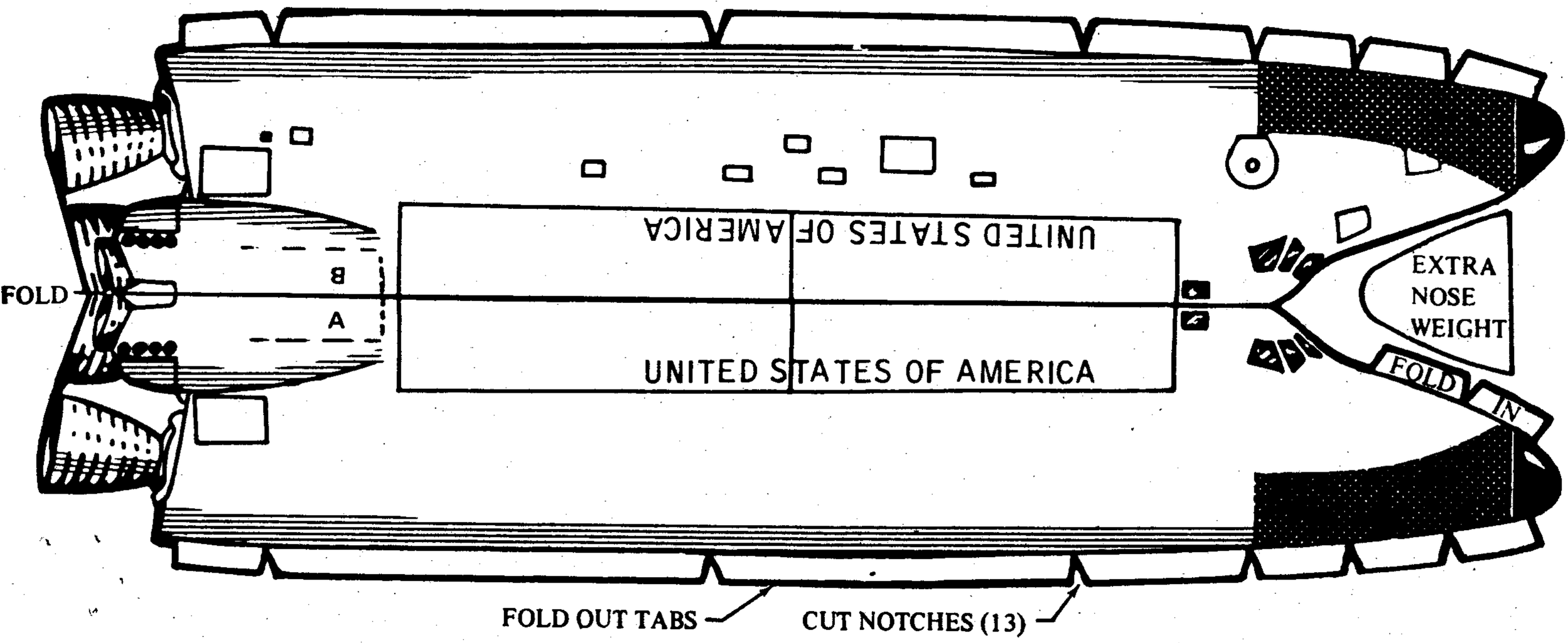
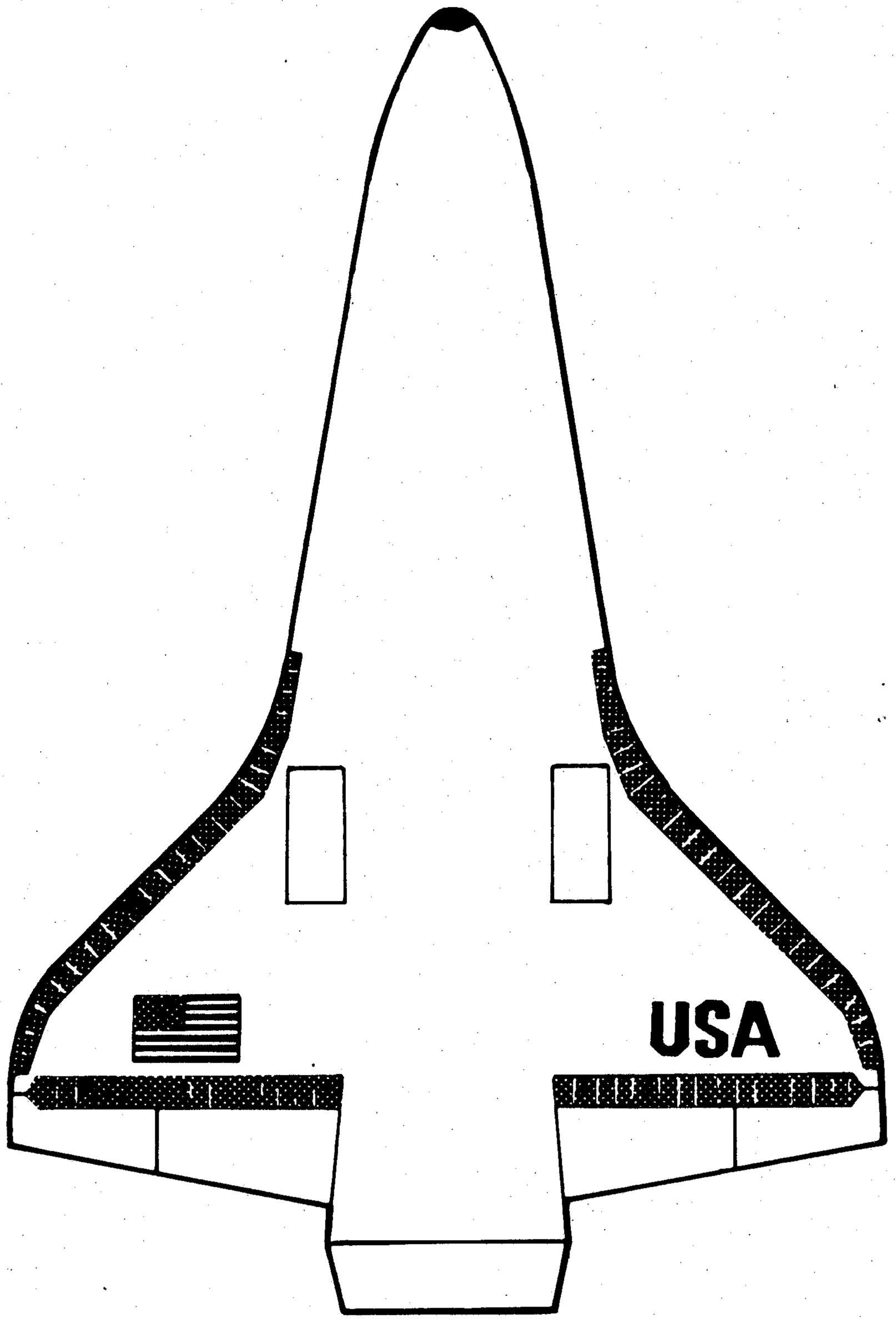
U.S. SPACE SHUTTLE GLIDER KIT

Your Space Shuttle glider is a 1:200-scale model of the U.S. Space Shuttle Orbiter. The airplane-like Orbiter will function as a space station which can remain in Earth orbit for up to 30 days at a time. It will normally carry about seven people; three of these will be astronaut-pilots, the others will be specialists in some area of science or technology. From the space-station Orbiter, this crew will be able to conduct many of the space missions which until now have been executed from Earth; they will be able to launch satellites (weather, communications, navigation, Earth Resources), scientific spacecraft (to explore and study our solar system), and military spacecraft. In addition, the crew will be able to retrieve and repair satellites and to conduct onboard experiments. At the end of each mission, the 120-ft. Orbiter will be piloted back to Earth and land, like an airplane, on an airstrip. It will then be refurbished so that in two weeks it is ready for another mission. In this manner, each Orbiter is expected to be used at least 100 times.


SPACE SHUTTLE ORBITER

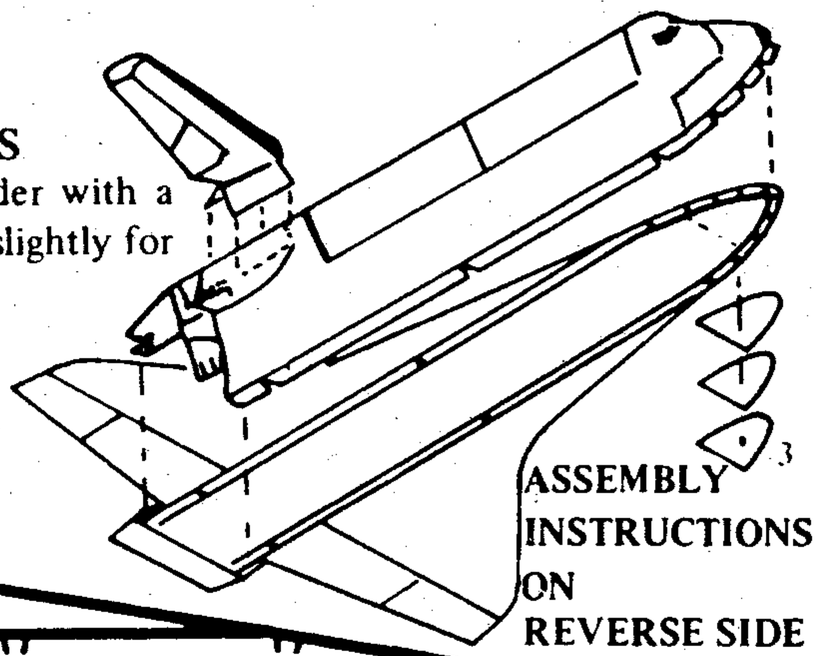
The orbiter and its engines are just part of the Space Shuttle system. The other parts are the solid rocket boosters (SRB's) used for launch and the external tank that contains liquid propellant for the engines. All of these parts are reusable except the tank, which is jettisoned just before the Shuttle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




USA

PREFLIGHT INSTRUCTIONS

For best results, launch your Shuttle glider with a gentle, level toss. Bend the Body Flap up slightly for greater lift.

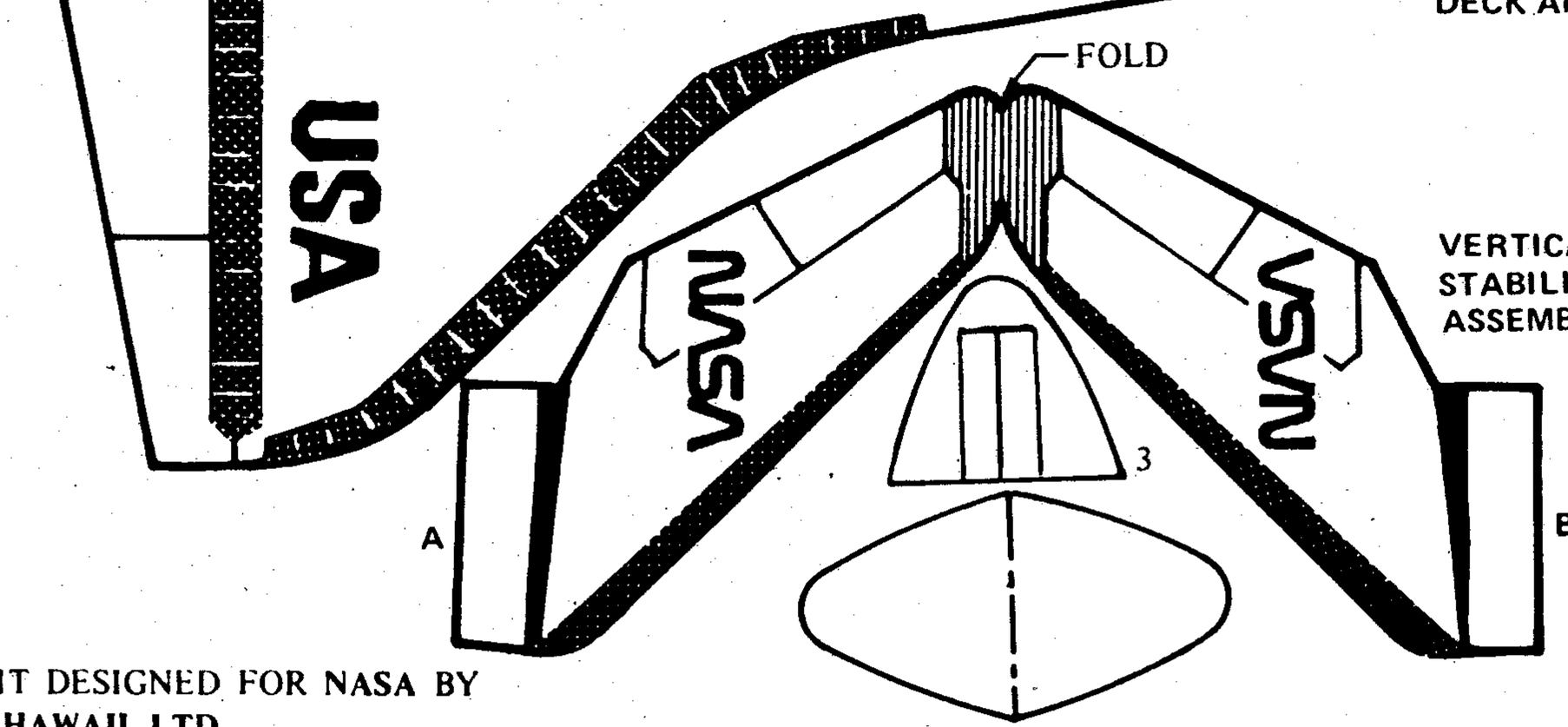


ASSEMBLY INSTRUCTIONS ON REVERSE SIDE

BODY FLAP

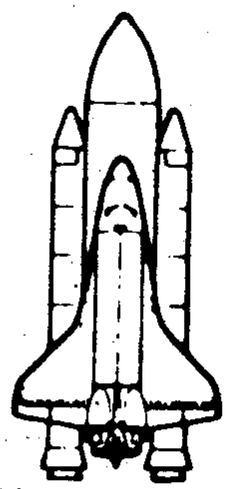
Dashed notches are for Reference Only. Do not cut!

DECK AND WING ASSEMBLY



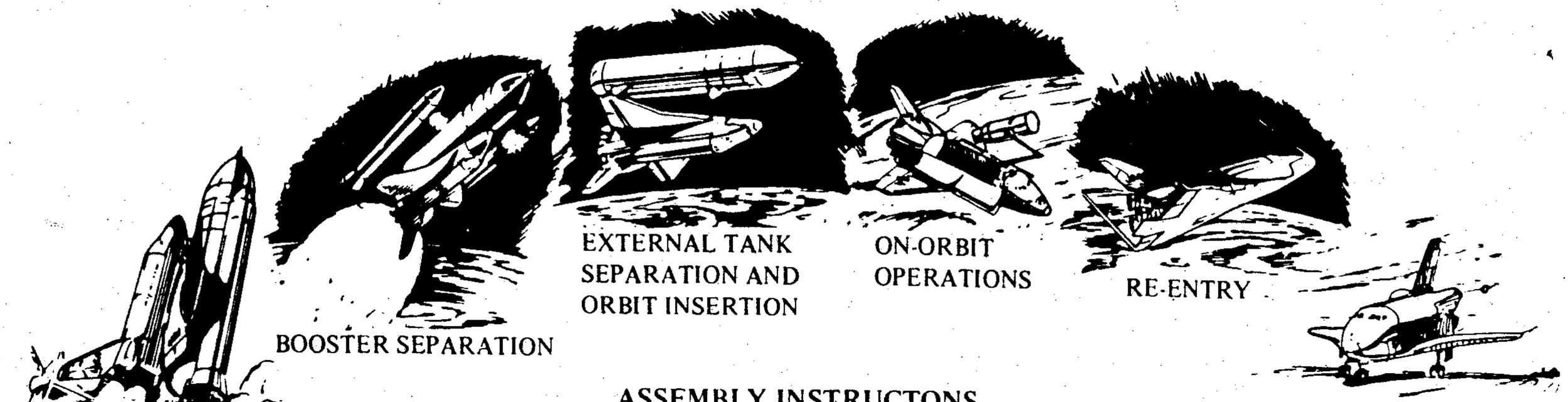
VERTICAL STABILIZER ASSEMBLY

NOSE WEIGHTS



LAUNCH CONFIGURATION

GLIDER KIT DESIGNED FOR NASA BY
KENTRON HAWAII, LTD.
ARTIST: ROLAND O. POWELL



ASSEMBLY INSTRUCTONS

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. 9. Read PREFLIGHT Instructions.