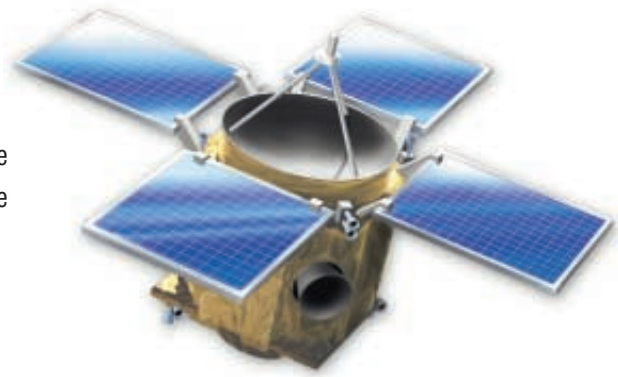


As the first mission launched in the National Aeronautics and Space Administration's (NASA) Discovery Program, the Near Earth Asteroid Rendezvous (NEAR) mission is setting the stage for asteroidal exploration and forming a base of knowledge that will be the framework for future missions. The NEAR Shoemaker spacecraft was designed and built by The Johns Hopkins University Applied Physics Laboratory, which is managing the mission for NASA.



NEAR Shoemaker Spacecraft Model Instructions

A: DISH

- Cut out Dish.
- Bring **A-1** and **A-2** together. Glue or tape flap to back of Dish.

B: RING TO HOLD DISH

- Cut out Ring.
- Glue or tape flap **B-1** behind **B-2** to form a ring. This will hold the Dish onto the Solar Panel center.
- Tape or glue one set of 4 (folded out) tabs of ring to bottom of Dish, centering ring on the bottom side of Dish. The other set will go into the Solar Panel center.

C: SOLAR PANEL PART

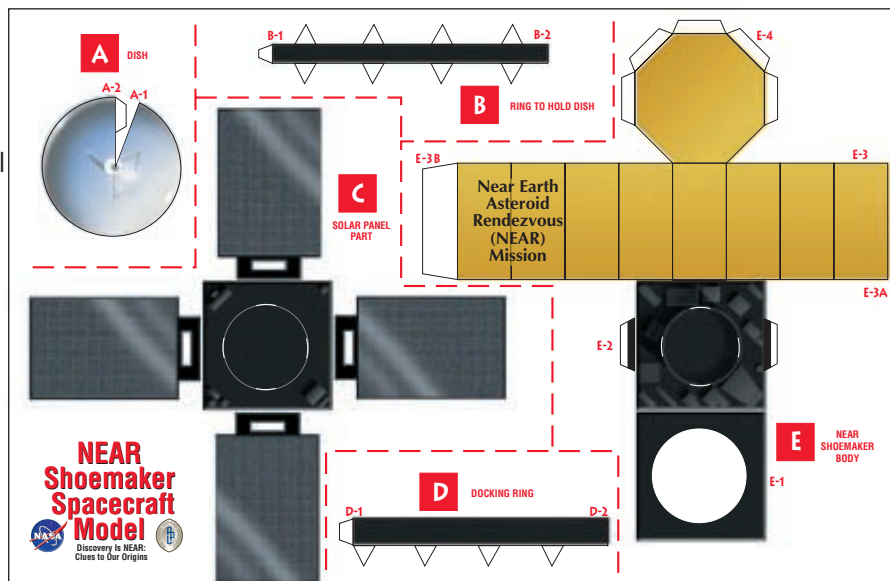
- Cut out Solar Panel Part including the 4 rectangles at base of panels.
- Cut the 4 white slits in the center of the Solar Panel Part.
- Insert dish/ring tabs into the white line slits in the center square of the Solar Panel Part. Fold over, then glue or tape.

D: DOCKING RING

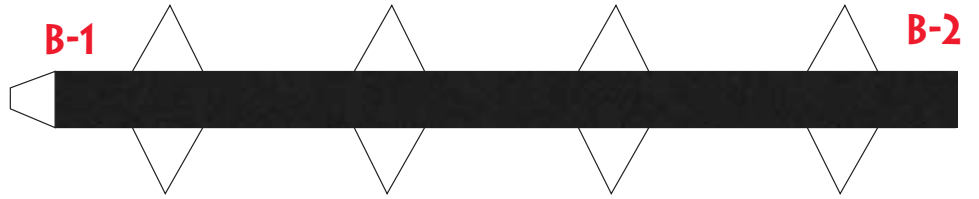
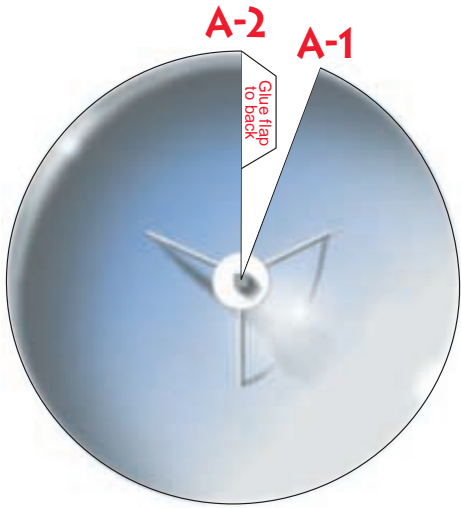
- Cut out Docking Ring.
- Glue or tape flap **D-1** behind **D-2** to form a ring.

E: NEAR BODY

- Cut out entire NEAR Body, center circle of **E-1**, and 4 white slits in the center of **E-2**.
- Score all interior black lines so they fold easily.
- Where **E-2** and **E-3** join, cut a slit on each side of the center panel (approx. 11/16").
- Fold **E-1** under **E-2** and glue or tape.
- Fold every panel of **E-3** and bring together **E-3A** to **E-3B** flap. Glue or tape this, to form an octagon.
- Fold over **E-4** and insert flaps into **E-3**.
- Insert Docking Ring **D** flaps, into **E-2**.
- Fold over the **E-1/E-2** + Docking Ring, and glue or tape flaps to inside of **E-3**. This will form the base of the NEAR Model.
- Glue or tape the Solar Panel Part to the top of **E-4**.



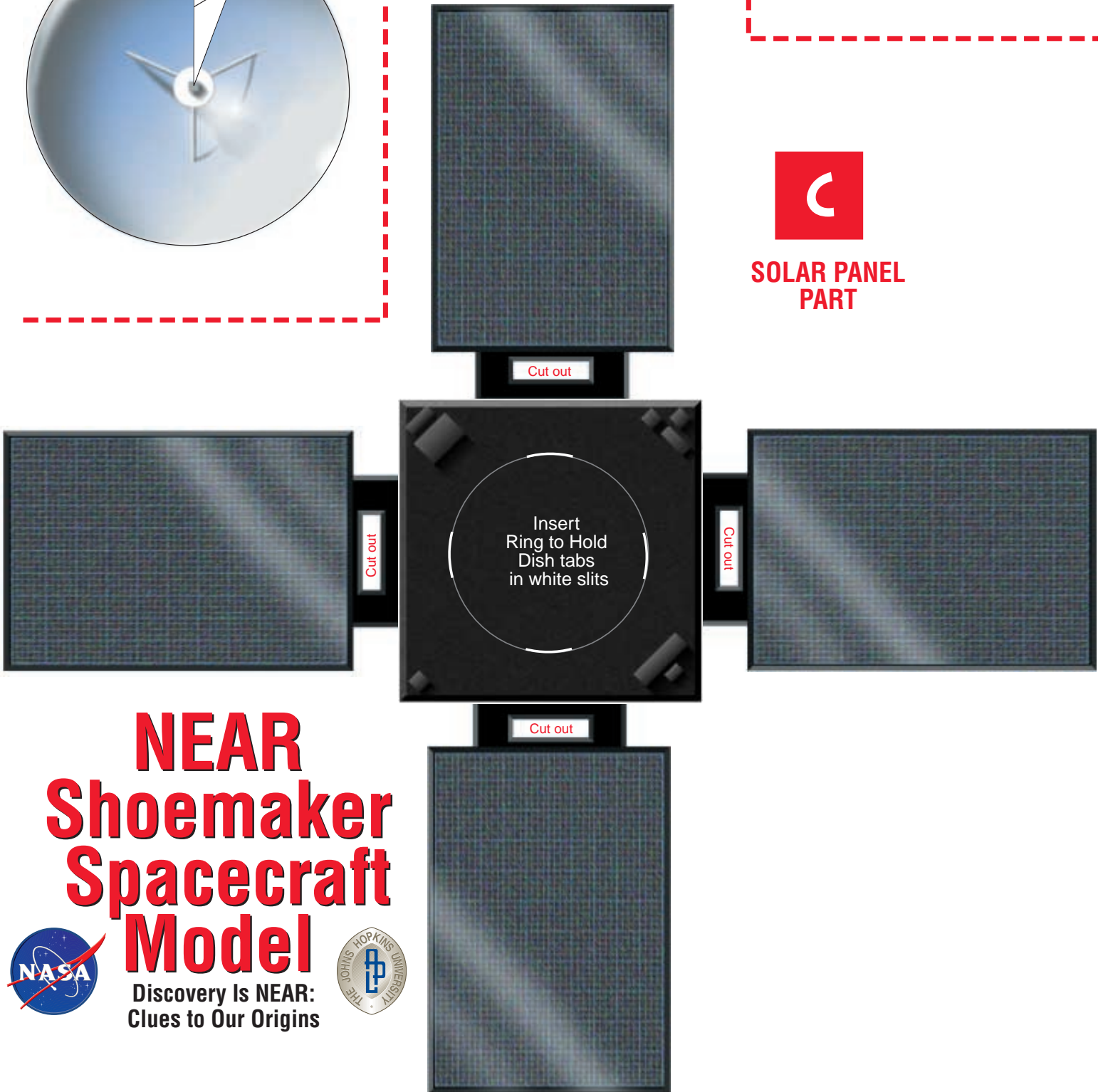
A DISH



B RING TO HOLD DISH



SOLAR PANEL PART



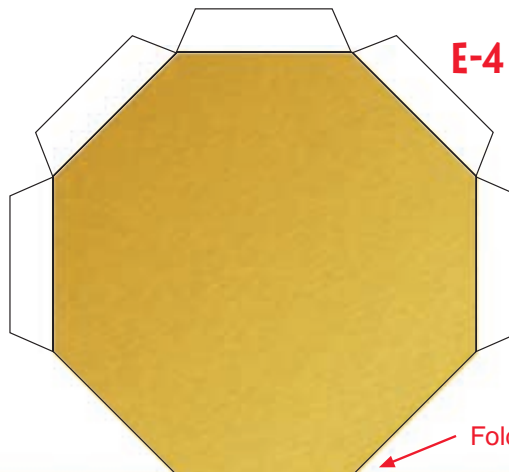
NEAR Shoemaker Spacecraft Model

Discovery Is NEAR:
Clues to Our Origins





**NEAR
SHOEMAKER
BODY**



Fold all
flaps
down

Fold

E-3



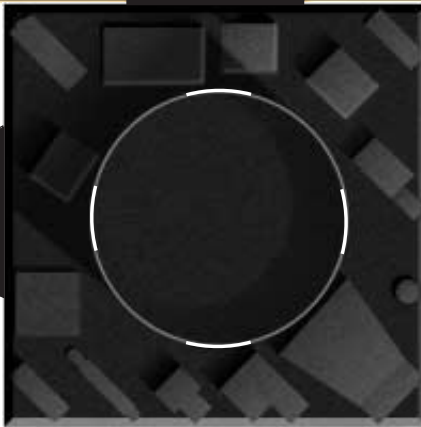
Tape this flap
to inside

E-3B

**Near Earth
Asteroid
Rendezvous
(NEAR)
Mission**

Cut along
white slits
ONLY,
then fold

E-2



Cut along
white slits
ONLY,
then fold

E-3A

Fold flaps
down

Cut along
white slits

Fold here



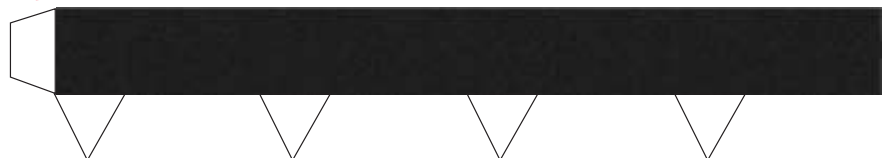
Cut this out,
fold over to
underside
and glue

E-1



DOCKING RING

D-1



D-2