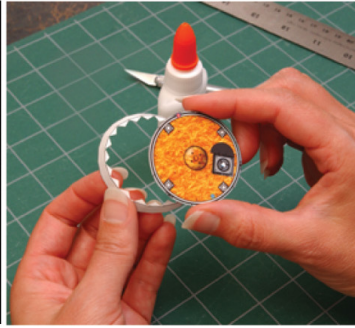
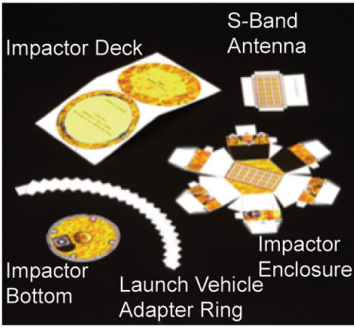


## E. Impactor

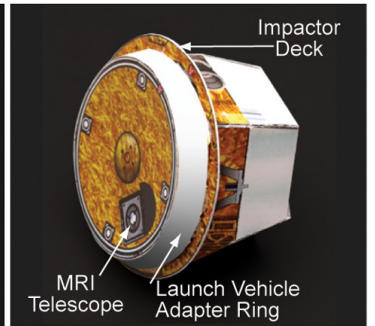
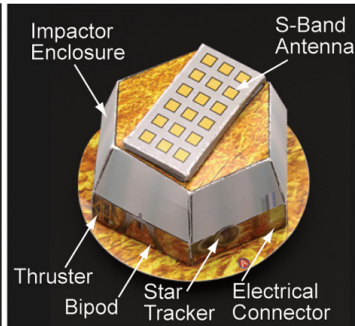
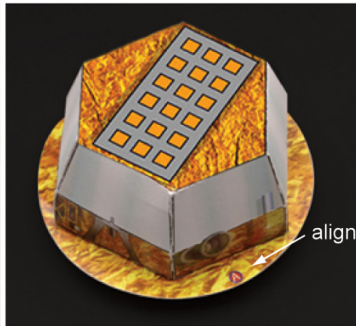
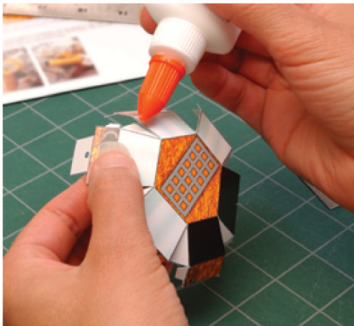


1. Score the folds, then cut out all the parts. **Important:** Leave some white space around the **impactor deck** as you cut it out. Fold it, then glue the two halves together. Wrap it in wax paper, and press it in a heavy book overnight. Then trim it to the black edge as marked.

2. Glue the ends of the **LV adapter ring** together, then fold all of the pointed tabs in.

3. Glue the **impactor bottom** to the smaller diameter side of the LV adapter ring. Let dry.

4. Glue the impactor deck to the larger diameter side of the LV adapter ring—being careful to align the A and B letters on the deck with those on the impactor bottom. Let dry.



5. Apply glue to the **impactor enclosure's** tabs, then form its sides as shown. Let dry.

6. Glue the enclosure to the top of the impactor deck, aligning the A and B letters. Let dry.

7. Glue the **S-band antenna** on top of the impactor enclosure.

8. Here's the finished impactor. Line up the impactor's A and B letters with those on the bus when you dock the two together.

### Model Stand

You've done it—you've built the Deep Impact flyby spacecraft and its impactor! Display your model by hanging it or mounting it on a stand. Here's one way to build a stand:

Start with a 1/16-inch diameter brass tube, about 10 inches long (available at hardware or hobby stores). Uncurl one end of a small paper clip and wedge it into the tube as shown. Secure the other end of the tube in a block of wood or other material for a stable base. Glue the model label on the base.

Cut a 1/4-inch slit in the bus where shown. Cut a small square of cardboard and make a 1/4-inch slit in it. Glue the cardboard inside the bus, aligning the slits. This strengthens the area where you'll insert the paper clip.

