**H-IIA Rocket: Assembly Instructions**

**H-IIA Rocket**

The first all-Japanese rocket. Developed using technologies obtained through the development of H-I, this is one of the world’s most powerful rockets, used to launch satellites for cellular phone networks, the Internet, meteorological information gathering, and vehicle navigation. Test flights of the H-IIA 1, which features a diameter of 4 m and total height of 53 m, were completed successfully in August 2001, followed shortly thereafter by full-scale launching of artificial satellites. The H-IIA 9 was successfully launched in February 2006.

*This model was designed for Papercraft and may differ from the original in some respects.*

**Parts list(pattern):** Five A4 sheets (No.6 to No.10)

**No. of Parts:** 99

*Build the model by carefully reading the Assembly Instructions, in the parts sheet page order.*

*Hint:* Trace along the folds with a ruler and an exhausted pen (no ink) to get a sharper, easier fold.

**Assembly Instructions**

- **Mountain fold (dotted line):** Make a mountain fold.
- **Valley fold (dashed and dotted line):** Make a valley fold.
- **Scissors line (solid line):** Cut along the line.
- **Cut in line (solid line):** Cut along the line.

**Glue spots:**
- **Red dot:** Glue parts with the same number together.
- **Green dot:** Glue within the same part.
- **Blue dot:** Glue to the rear of the other part.

**Tools and materials**

- Scissors, set square, glue (We recommend stick glue), pencil, used ballpoint pen, toothpicks, tweezers, (useful for handling small parts)

**Assembly tip**

- Before gluing, crease the paper along mountain fold and valley fold lines and make sure rounded sections are nice and stiff.

**Caution**

- Glue, scissors and other tools may be dangerous to young children, so be sure to keep them out of the reach of young children.

Before starting assembly: Writing the number of each section on its back side before cutting out the sections is highly recommended.

(*This way, you can be sure which section is which even after cutting out the sections.*)

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**Cooperation:** Japan Aerospace Exploration Agency

Take care to ensure the top-bottom alignment of part 24.

Prepare two pieces for each of parts 24 to 33.

Take care to ensure the top-bottom alignment of part 34.

Prepare four pieces for each of parts 34 to 41.
Use parts 42 to 44 for the left side.

Use parts 45 to 47 for the right side.

Prepare two pieces for each of parts 42 to 44 and parts 45 to 47.

Use parts 48 for the right side.

Prepare two pieces for each of parts 48, 49, 50 and 51.

Use parts 50 for the right side.

Use parts 51 for the left side.
Attach parts 42 to 44, 45 to 47, 48, 49, 50, and 51 to the rocket.

When the main body is completed, mount it on the raised portion of the base. Do not glue.

Finished!
H-IIA Rocket: Pattern

Caution: shows the pattern on the rocket.
Do not cut off.

1. Do not hit other people with the pointed edges. Doing so could result in injury. Adults should make sure that children observe this caution.
H-IIA Rocket: Pattern