

Hope H-IIA launcher



H-IIA is Japan's primary large-scale launch vehicle, is designed to meet diverse launch demands, at lower cost and with a high degree of reliability, by making the best use of the H-II launch-vehicle technology. The simplified design and improved efficiency of the manufacturing and launch processes of H-IIA have achieved one of the highest performance to cost ratio of launch system in the world, reducing the cost of launches by a half or more.

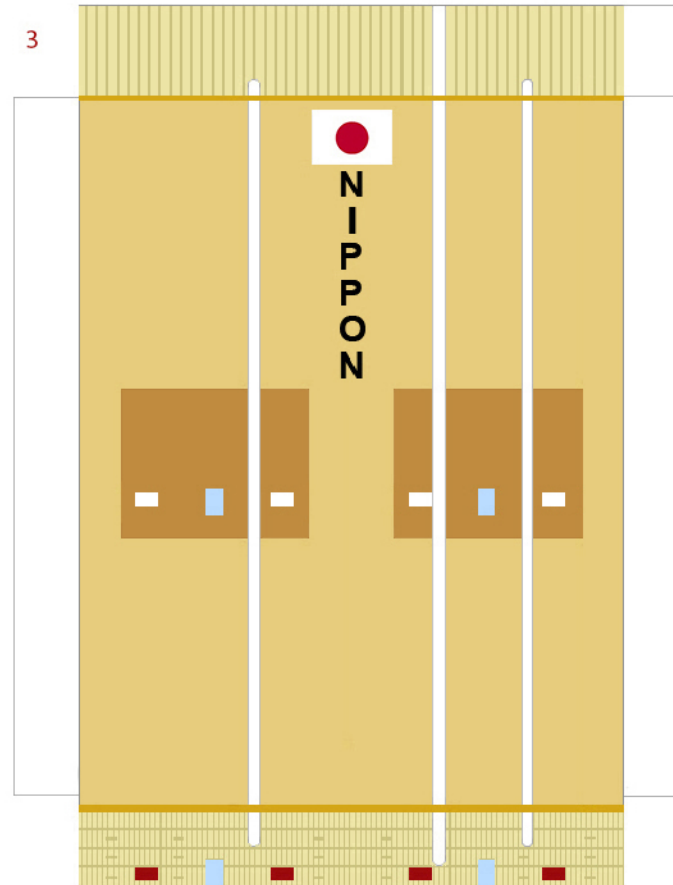
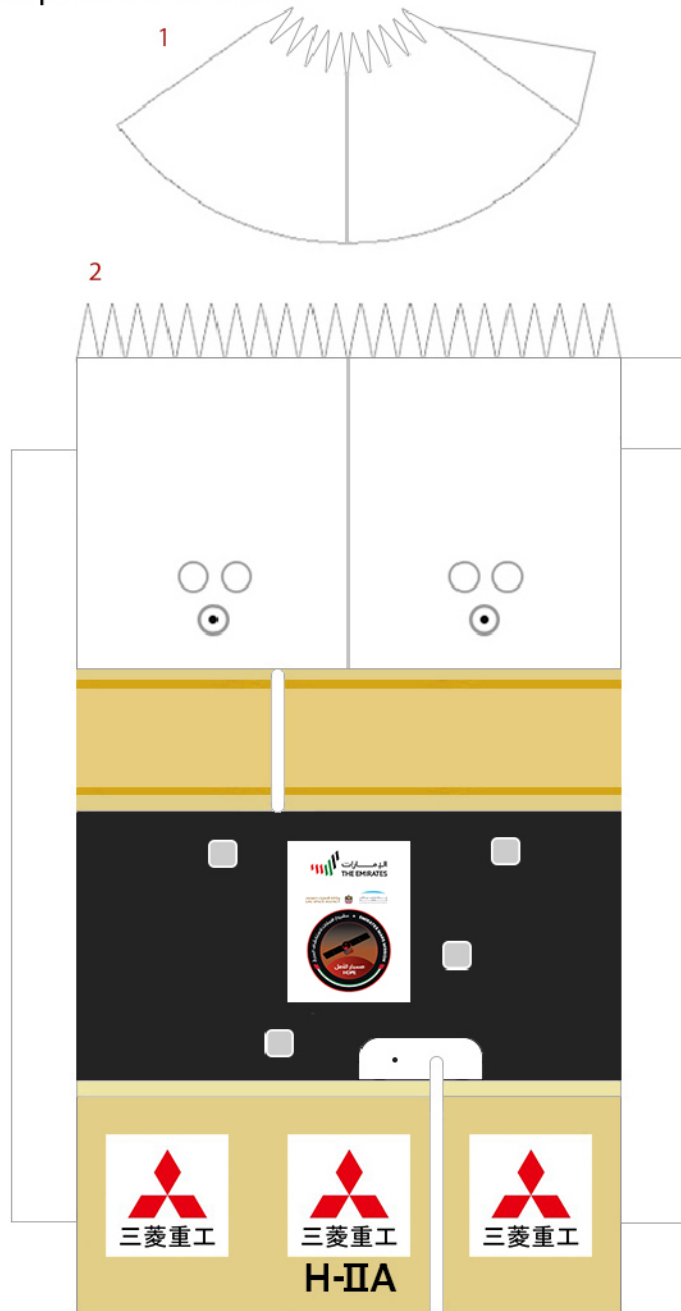
H-IIA launch service operations have been transferred to Mitsubishi Heavy Industries, LTD. ahead of the launch of H-IIA Flight 13. JAXA is in charge of launch safety management (including ground safety confirmation, flight safety assurance, and overall countdown control and supervision.)

JAXA is conducting the H-IIA upgrade project to improve the H-IIA launch capability and its global competitiveness.

The launch capability of an H-IIA launch vehicle can be enhanced by adding SRB-A solid rocket booster (SRB) and Castor 4AXL solid strap-on booster (SSB) to its basic configuration.

	Size
Height	53 m (174 ft)
Diameter	4 m (13 ft)
Mass	285,000–445,000 kg (628,000–981,000 lb)
Stages	2

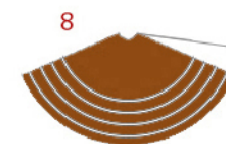
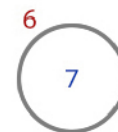
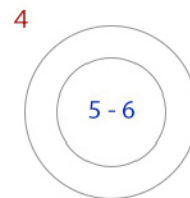
Hope H-IIA launcher



A
Glue to
cardstock

C
Glue to
cardstock

B
Glue to
cardstock



Color back Black

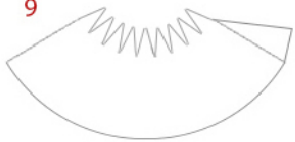
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Zach's



PaperSat Designs
Spacecraft Paper Models

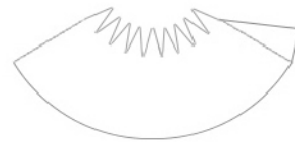
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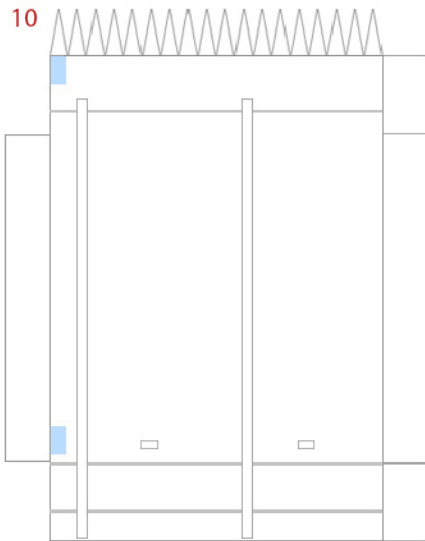


*Spare



*Spare

10



A

B



C



Glue to cardstock



Glue to cardstock

A

B



C



Glue to cardstock



Glue to cardstock

11



12



Outer cone

13



Color back Black



Outer cone



Color back Black

15

Top

16



Glue to cardstock

Top



Glue to cardstock