

300th Delta launch

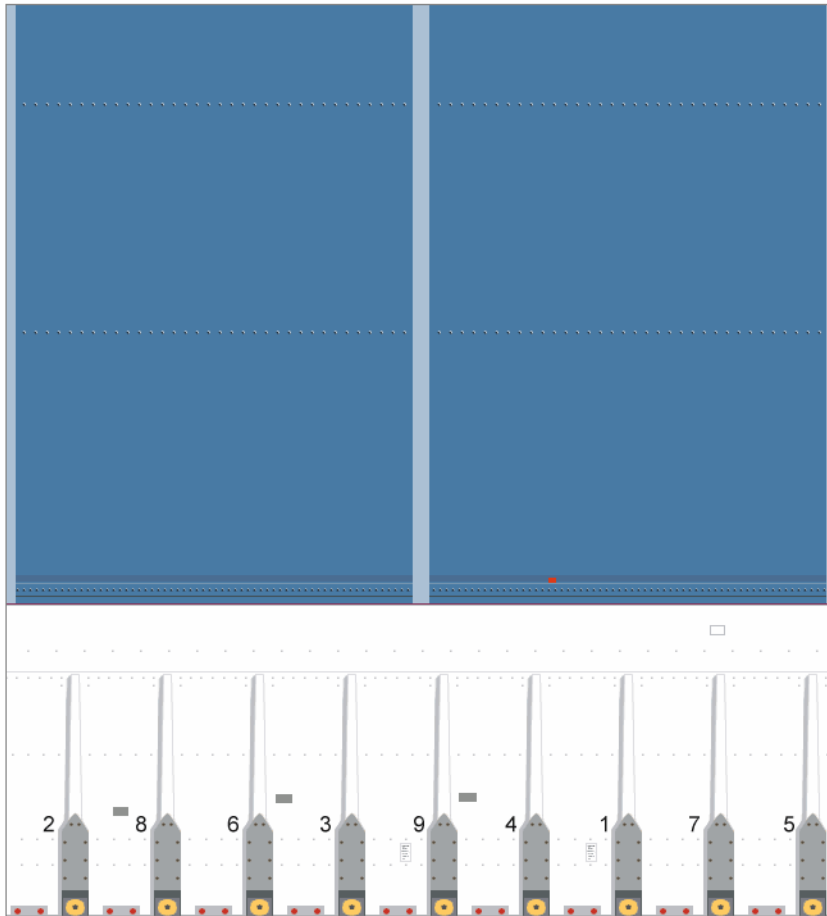
DELTA II
Delta 7920 H 300
Launcher of the new Space Telescope SIRTf

SIRTf
Space Infrared
Telescope Facility



Special Edition
Superdetailed model.

Extra Large Scale 1:72
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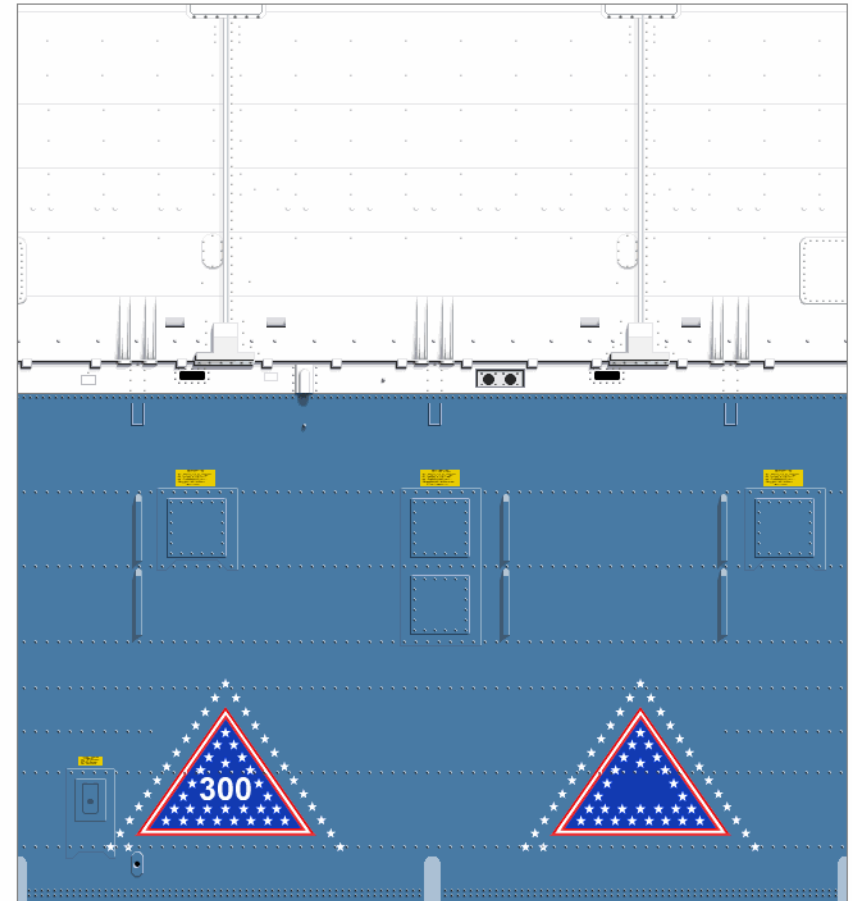


Part A

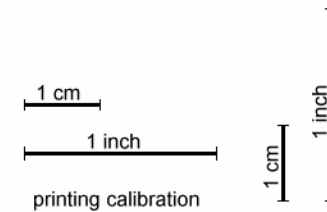
Note from the designer: Over time, McDonnell Douglas and Boeing have changed the color of their rockets, slightly. That's why not all of my blue Delta's will have the same color blue. The color of this rocket will slightly differ from other Delta's. The first blue Delta's were a greenish-greyish blue. The blue became brighter and more vivid as time went by. I tried to render the correct color as accurately as possible, however, the type of paper and printer ink used by the builder may influence the result quite a bit.

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Part D



300th
Delta launch

DELTA II
Delta 7920H 300
Launcher of the new Space Telescope SIRTf

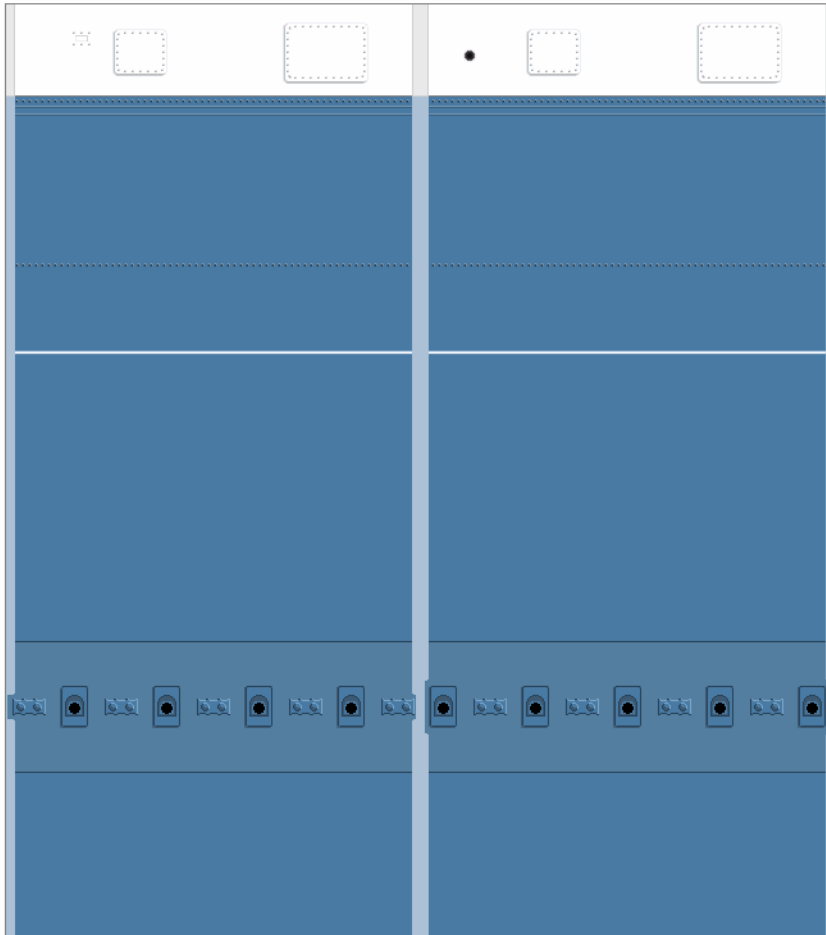
SIRTf
Space Infrared
Telescope Facility



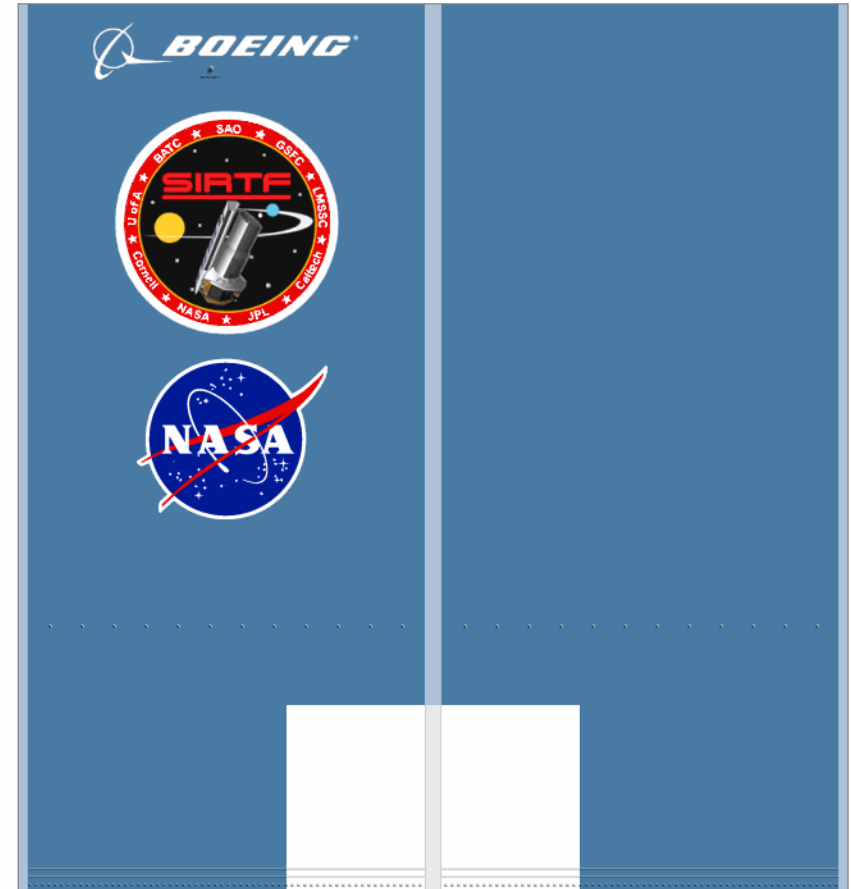
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Part B



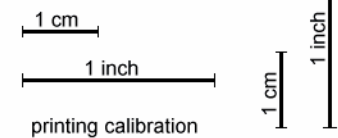
Part C

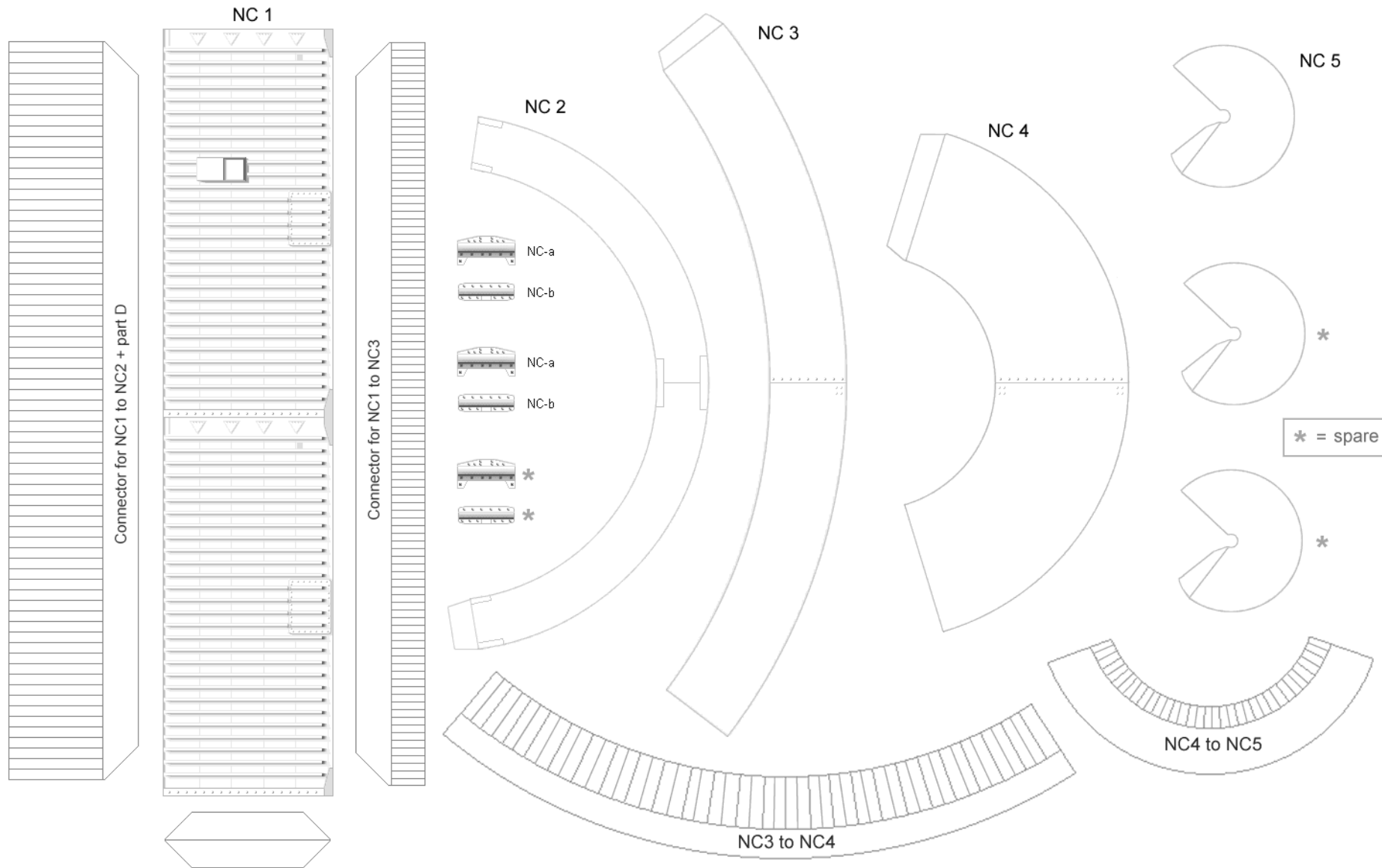
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300th

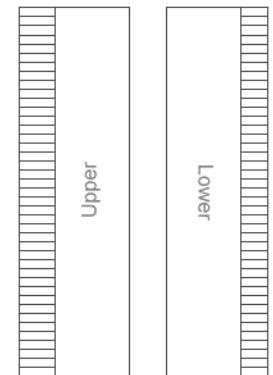
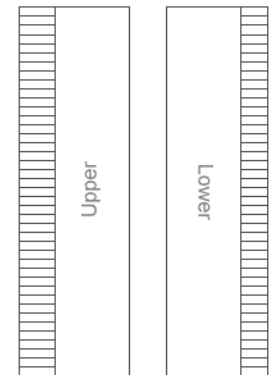
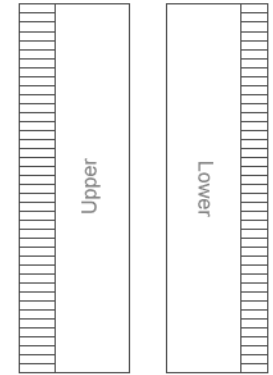
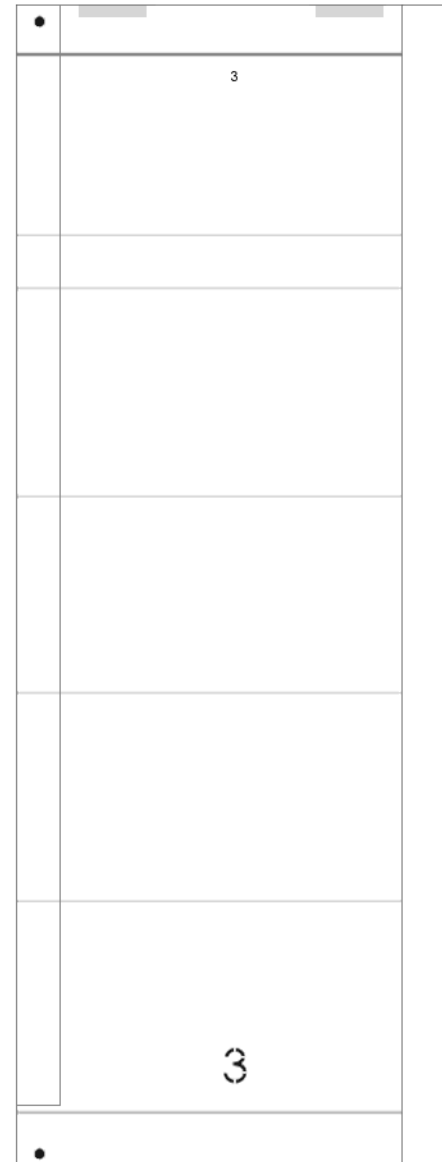
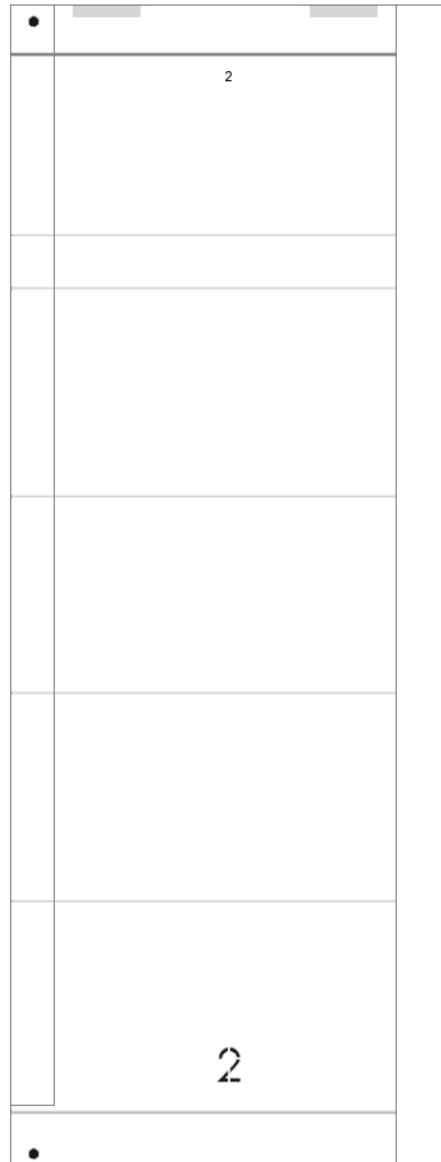
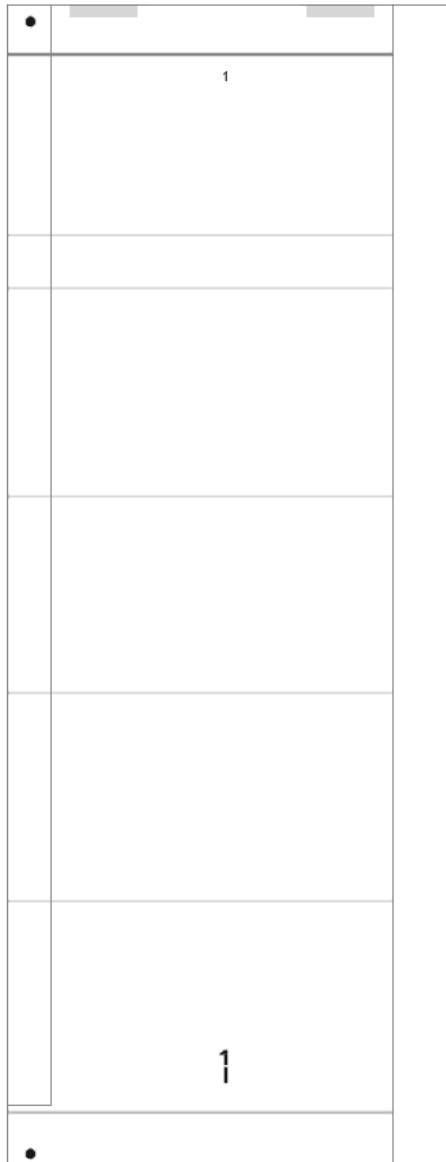
Delta launch
Delta 7920H 300



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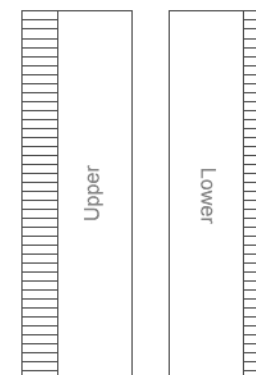
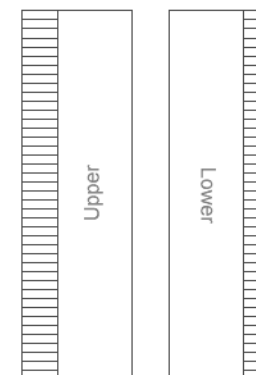
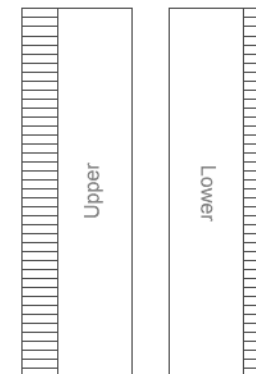
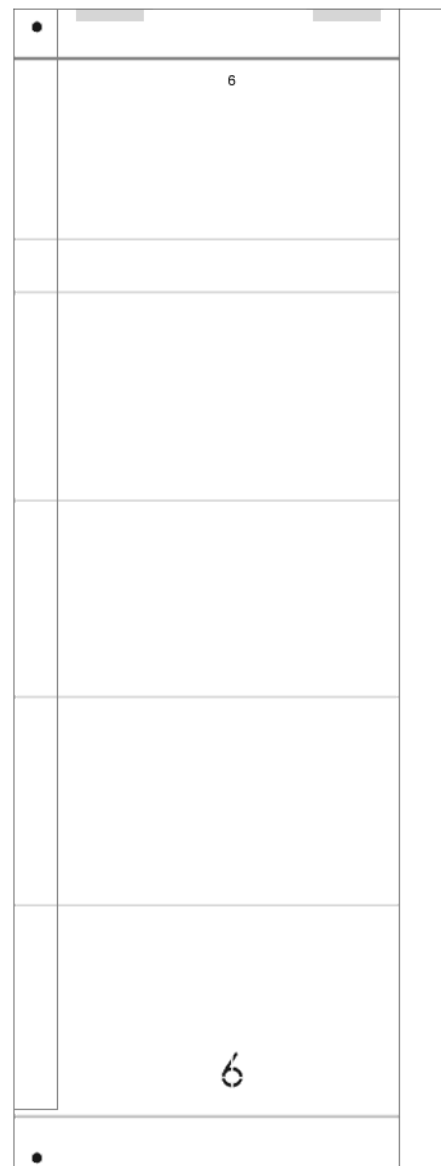
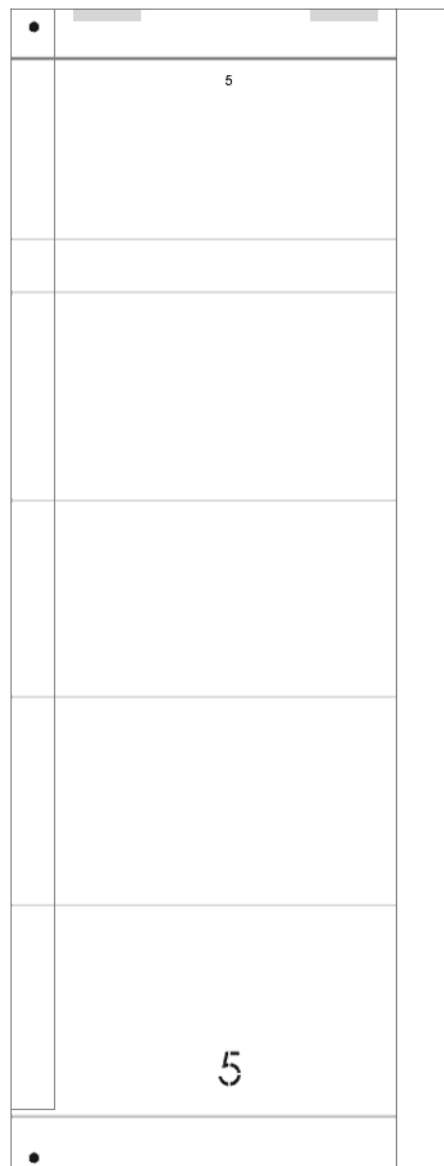
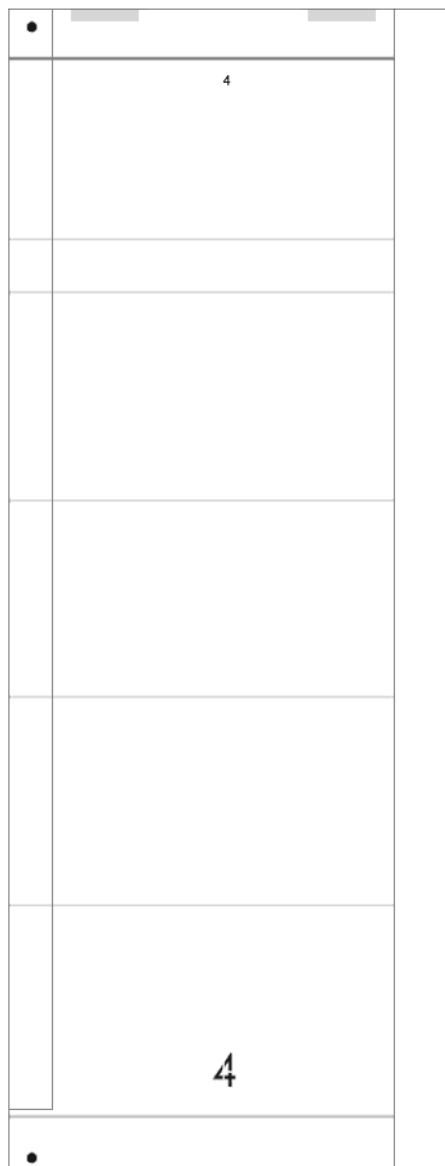
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Boosters number 4, 5 and 6 have the large booster exhausts (marked with " L ")



300th

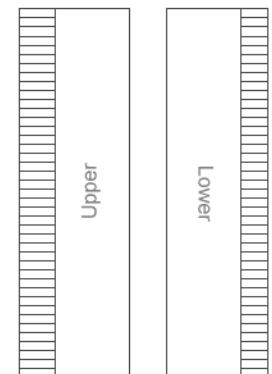
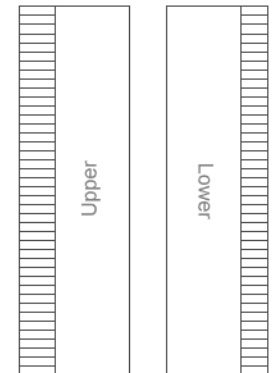
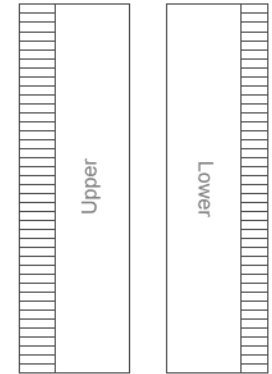
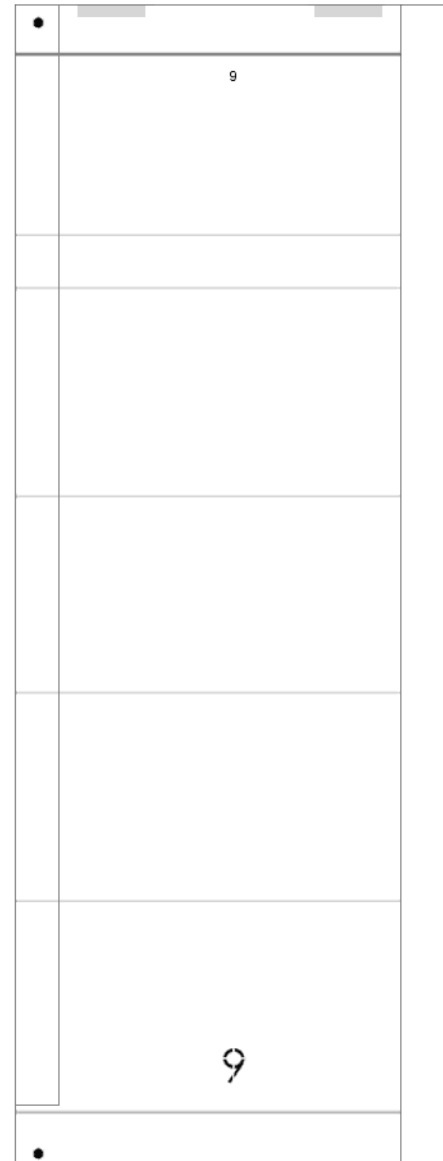
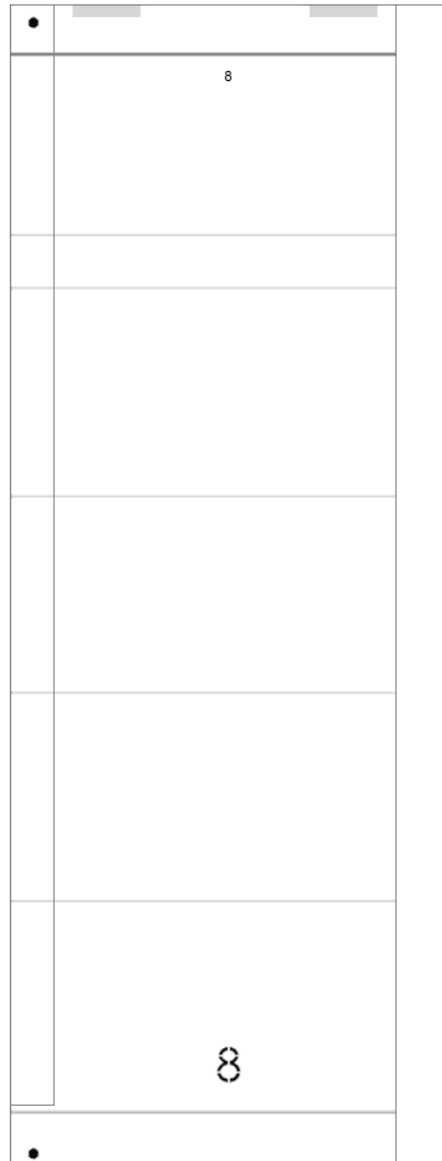
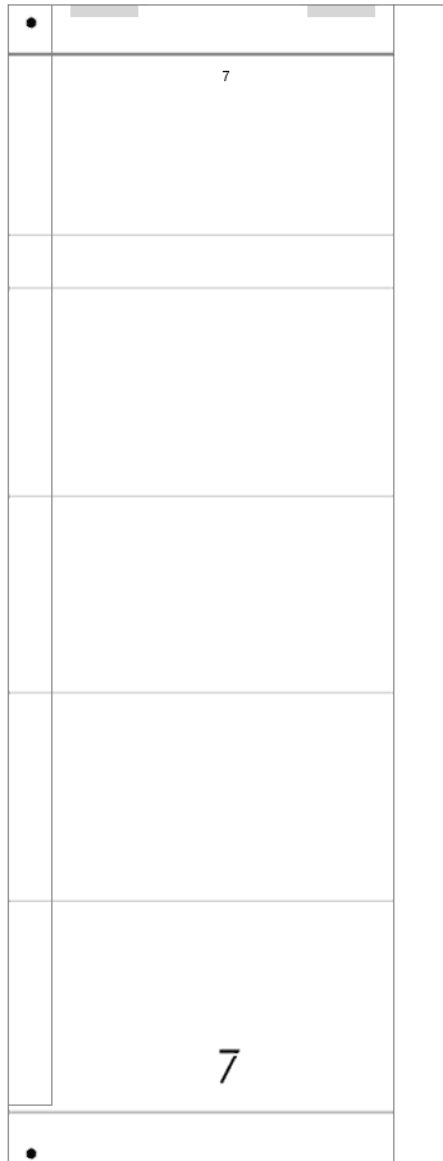
Delta launch
Delta 7920H 300



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300th

Delta launch

Delta 7920 H 300

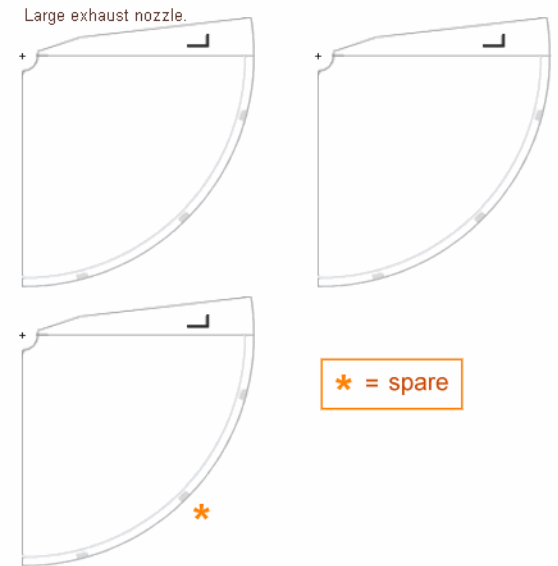
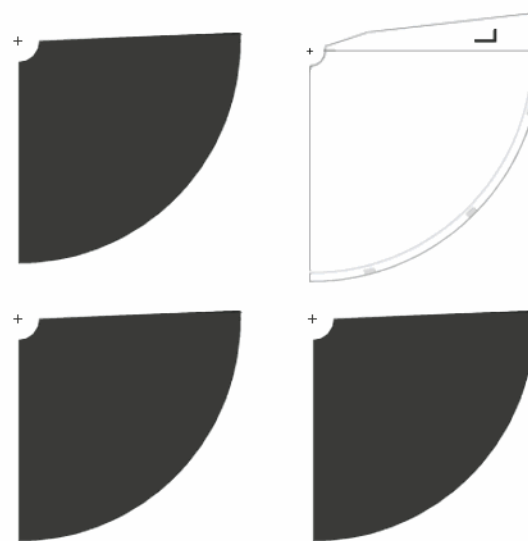
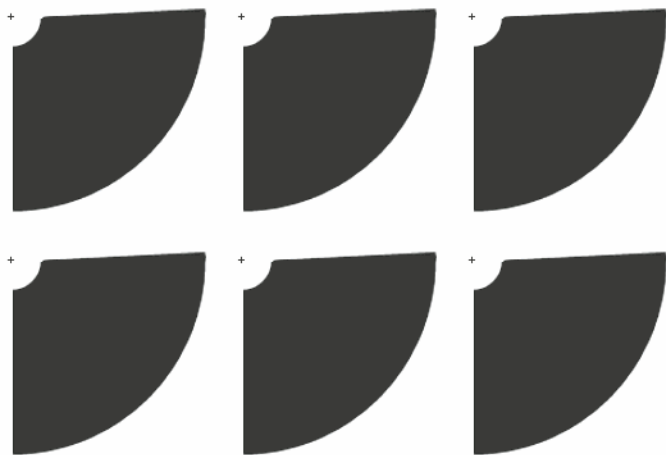
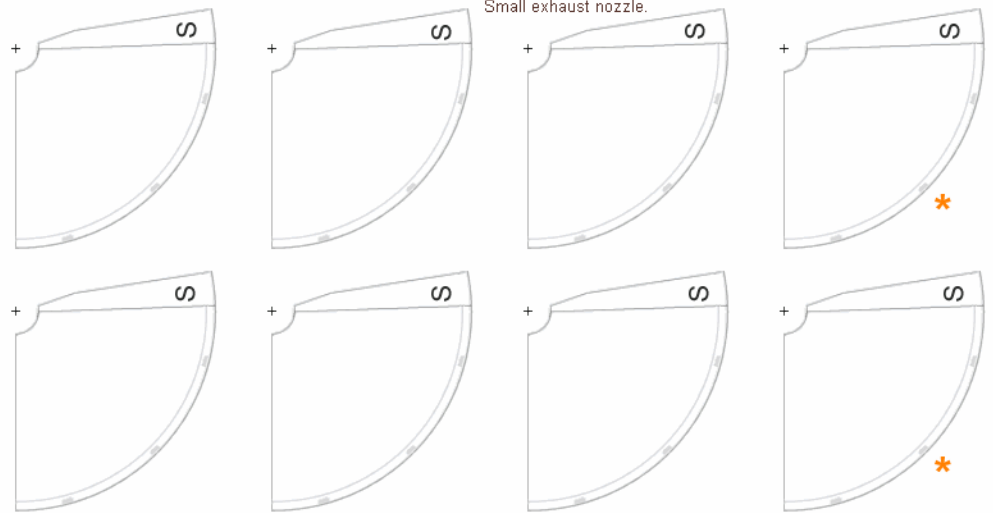
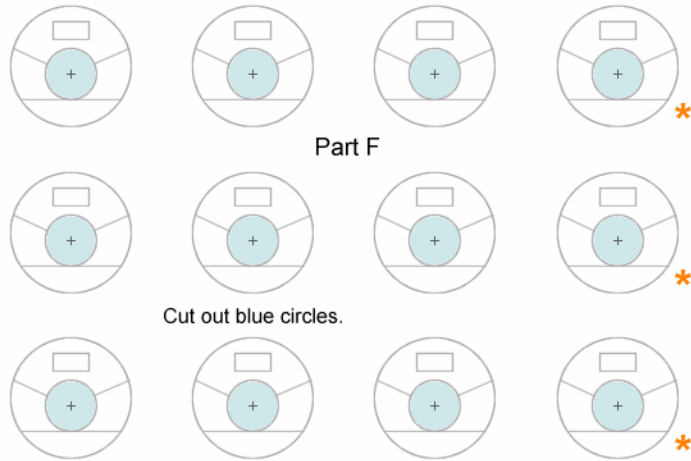


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* = spare

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Delta launch

Delta 7920H 300

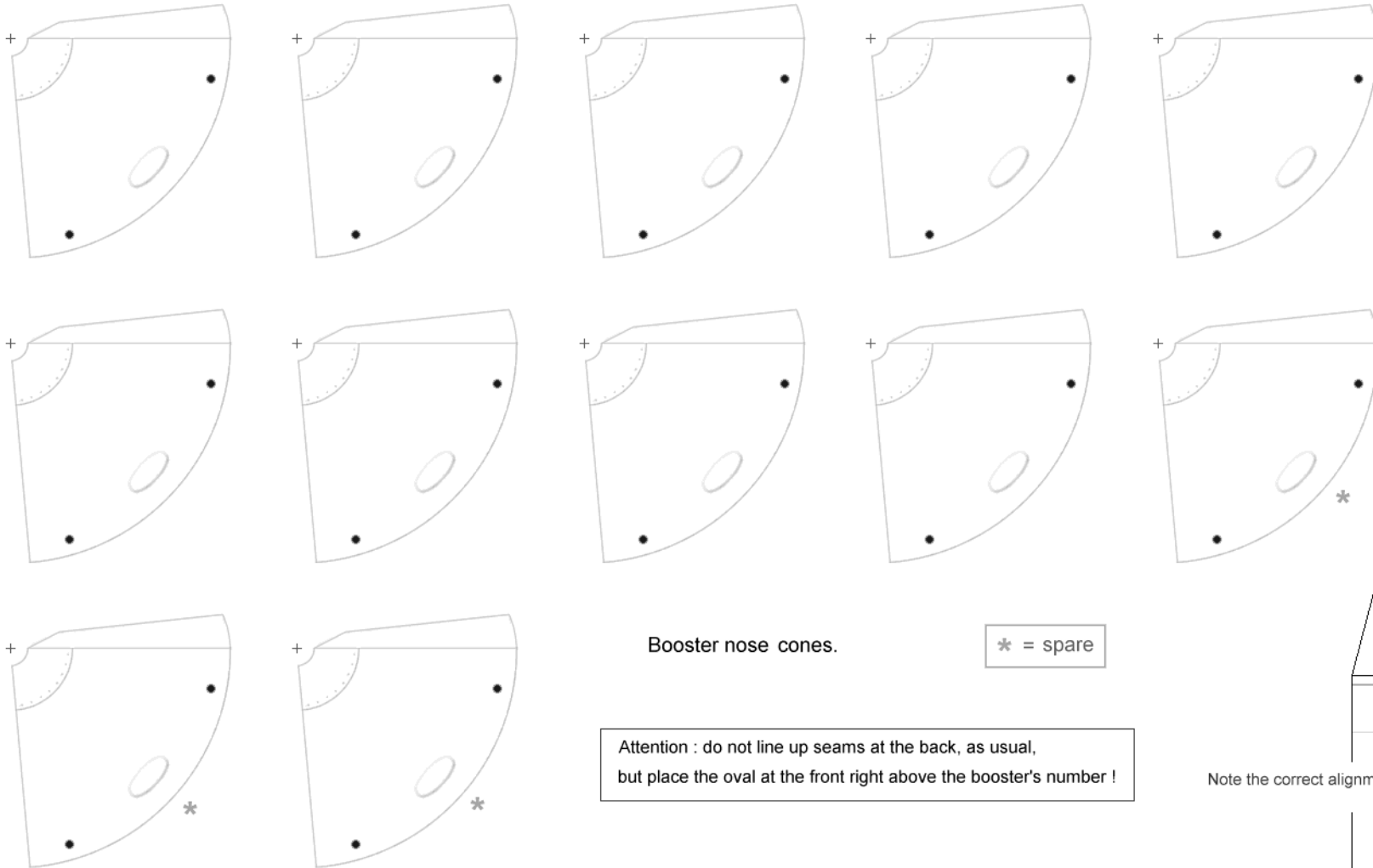


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Booster nose cones.

* = spare

Attention : do not line up seams at the back, as usual,
but place the oval at the front right above the booster's number !

Note the correct alignment.



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Delta launch

Delta 7920H 300

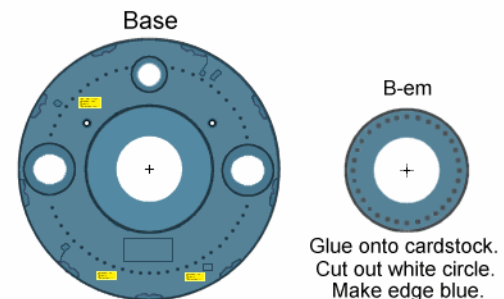
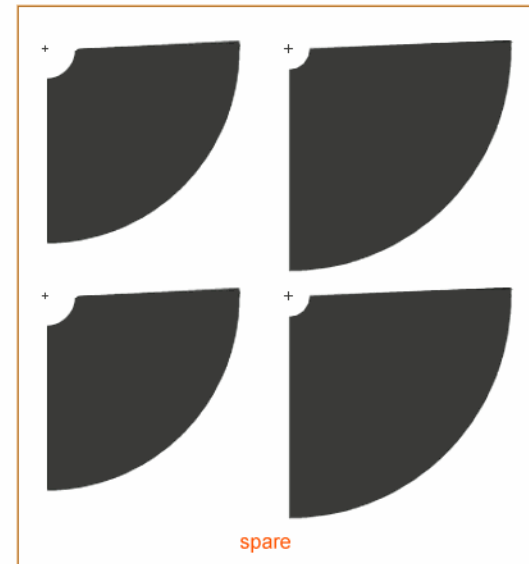
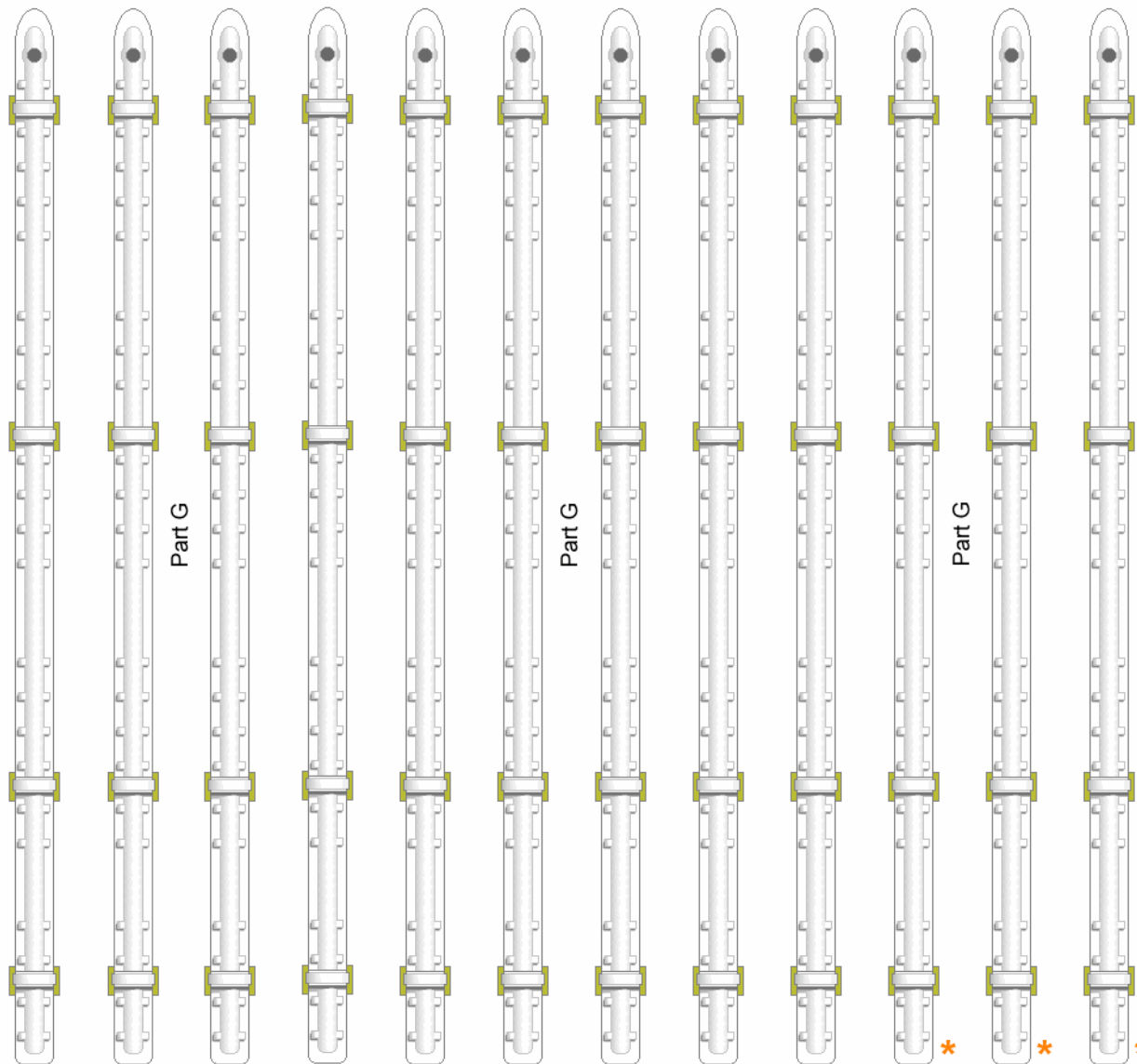


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Superdetailed model.

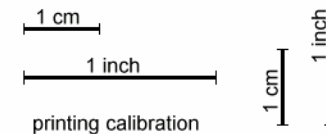
Extra Large Scale 1:72

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First, glue this part onto same paper it has been printed on. Then cut out white circles.

* = spare



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Delta launch

Delta 7920 H 300

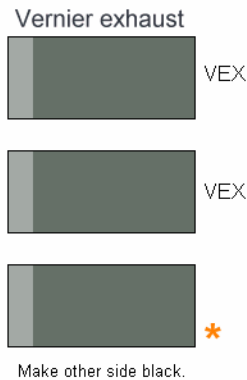
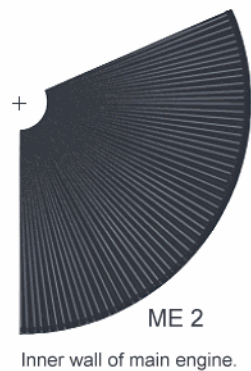
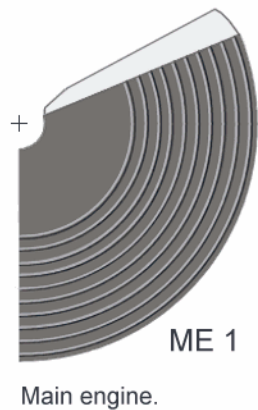
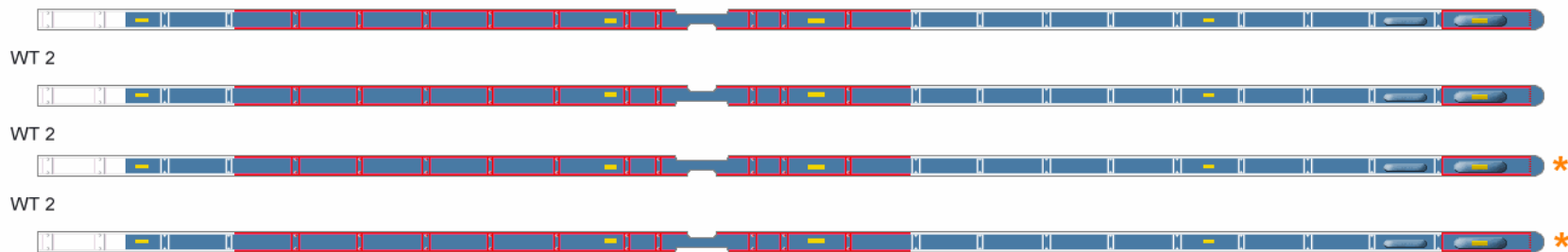
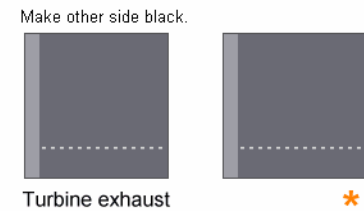
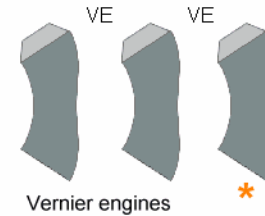
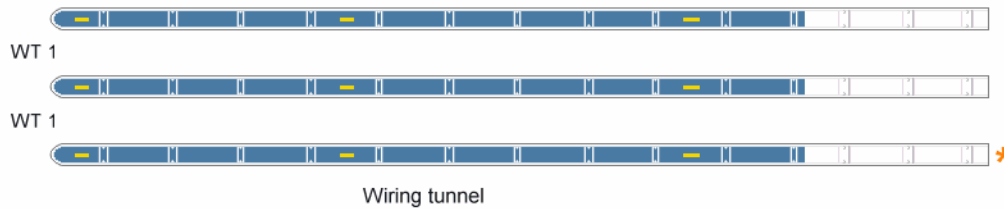


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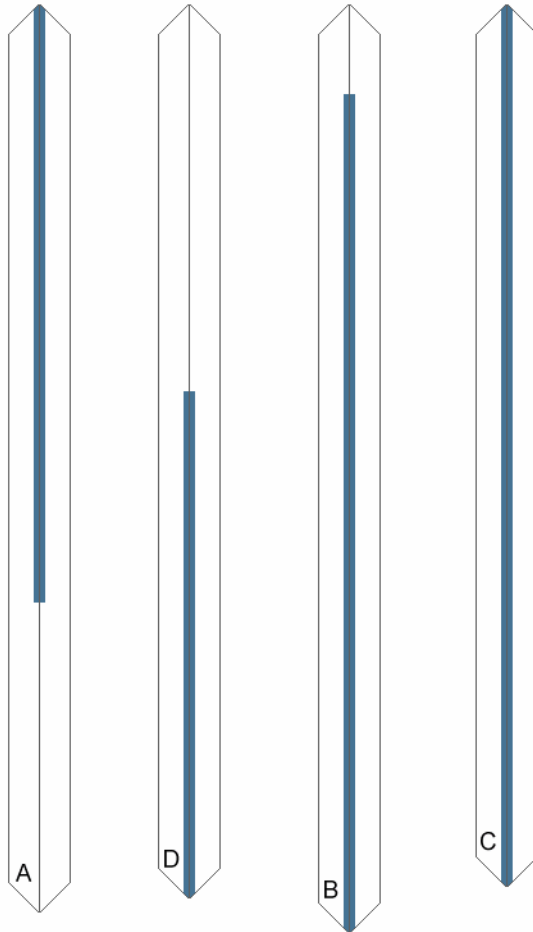
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* = spare

TOP TIP :

US letter and A4 paper sizes are almost identical.
USL = 216mm x 279mm, A4 = 210mm x 297mm.
These drawings are made for A4 size. Just take any piece of paper that comes close to either of them, and tell the printer you are using A4 size.
Now, all drawings should fit perfectly !!
If you want an accurate scale reproduction, check the ruler (1 cm and 1 inch), provided on most sheets, and adjust the printer settings if necessary.
(96 %.....104 % f.i.)



Connectors for parts A - B - C - D.

Do not use these parts if you decide not to use the ejector springs.

Parts ESH

Make this shape.

Example

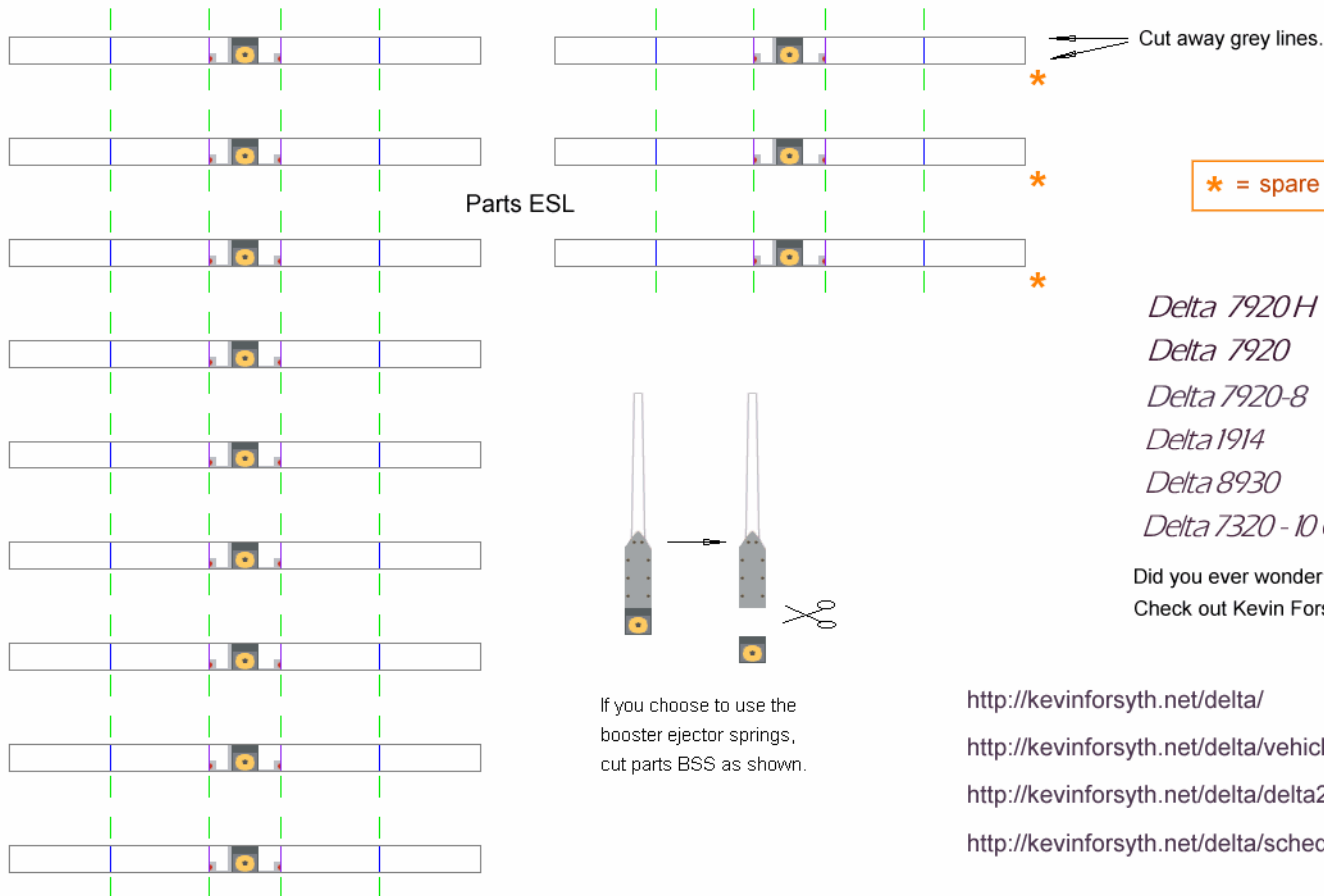
If extra detailing, such as these ejector springs, is not wanted, they may be left away and only a toothpick or similar wooden (or plastic) rod may be used.

Assembly of the boosters and their ejector springs is not easy and should be done accurately and with care. Be patient and take your time.

* = spare



— Do not print this page if you decide not to use these ejector springs. —



Parts ESL

* = spare

<i>Delta 7920H</i>	<i>300</i>
<i>Delta 7920</i>	<i>289</i>
<i>Delta 7920-8</i>	<i>247</i>
<i>Delta 1914</i>	<i>92</i>
<i>Delta 8930</i>	
<i>Delta 7320-10 C</i>	<i>271</i>

Did you ever wonder what these numbers mean ?
Check out Kevin Forsyth's great website !

If you choose to use the booster ejector springs, cut parts BSS as shown.

<http://kevinforsyth.net/delta/>

History of the Delta Launch Vehicle.

<http://kevinforsyth.net/delta/vehicle.htm>

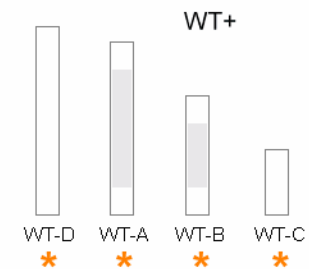
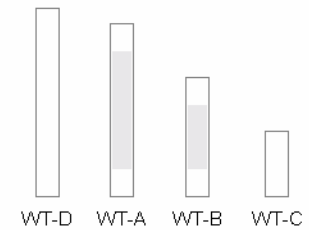
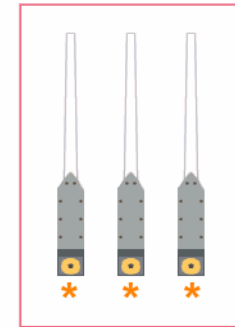
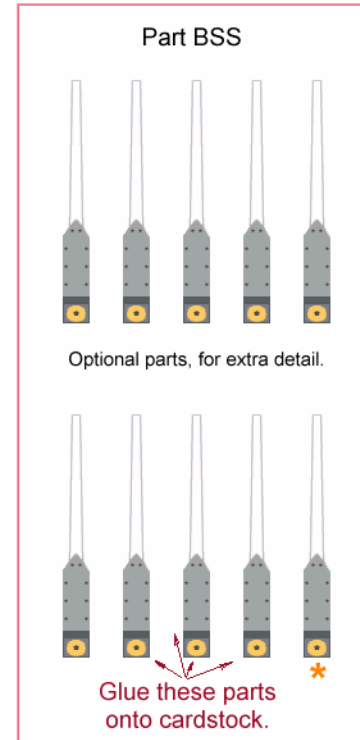
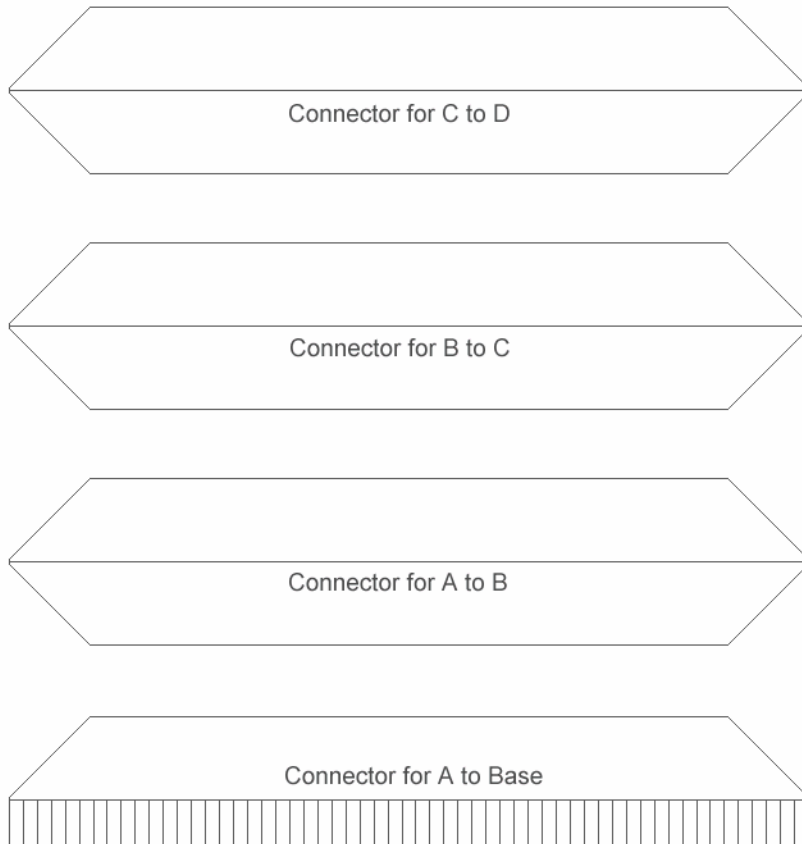
Look here for the vehicle descriptions.

<http://kevinforsyth.net/delta/delta2.htm>

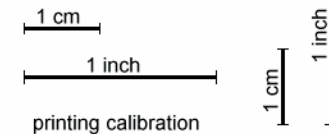
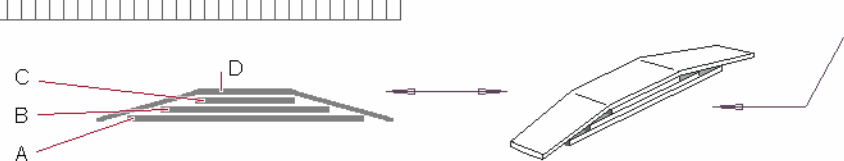
All launches so far.

<http://kevinforsyth.net/delta/schedule.htm>

Upcoming launches.

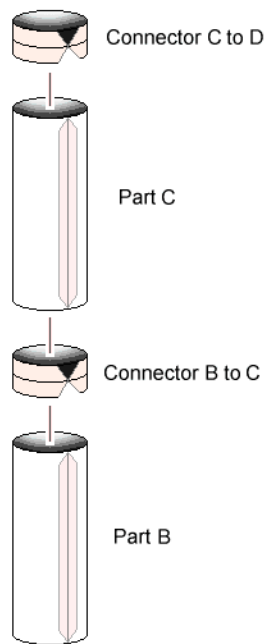


* = spare

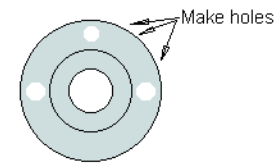
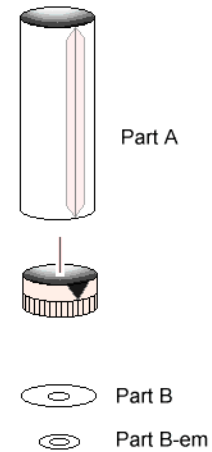
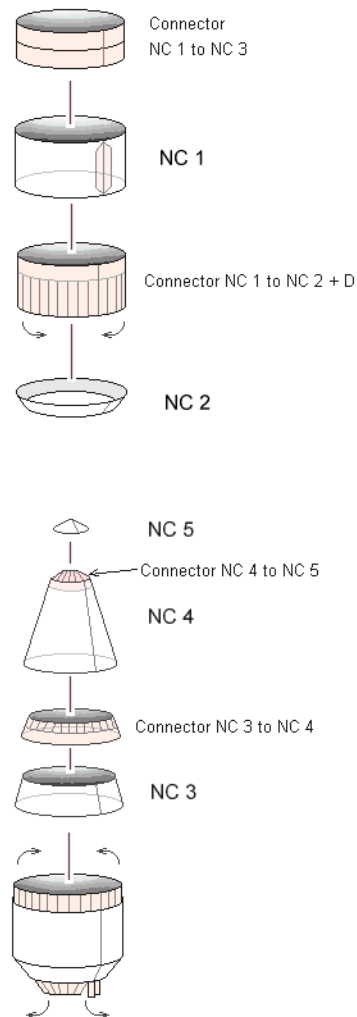


Instructions for building the Delta rocket, 300th launch celebration

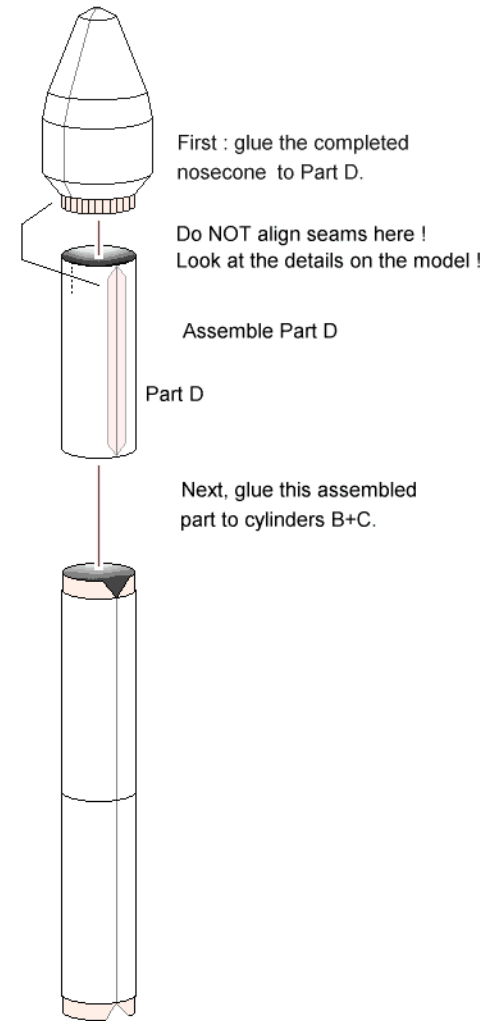
Fuel tanks



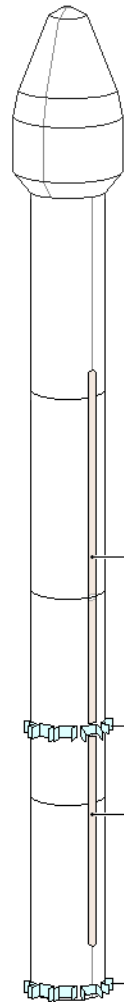
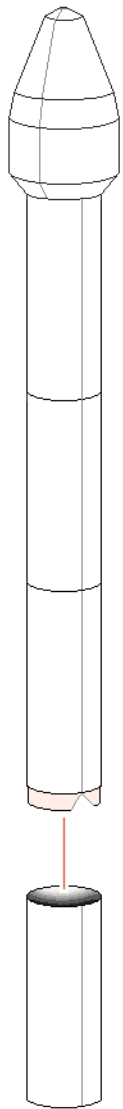
Payload fairing



See other instruction sheet on how to assemble these parts.



Instructions for building the Delta rocket, 300th launch celebration



At this point you will have to decide if you want to use the booster ejector springs or not.

If you do, then place them now.

Once the glue has dried, drill the holes for the wooden rods.

Now the wiring tunnels can be cut and glued into place.

Pay attention; the left and right side tunnels are different !

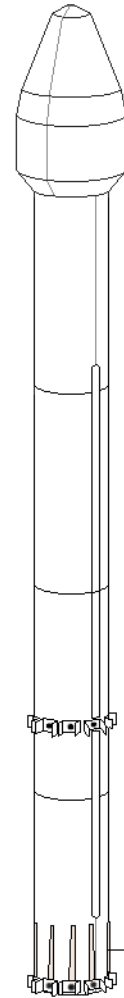
WT 1

If you do not use the BES, drill the holes and glue the wiring tunnels into place.

ESH

WT 2

ESL

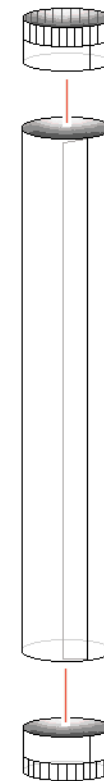


Let the glue dry well and drill all 18 holes.

Place parts BSS

Time to make the boosters.

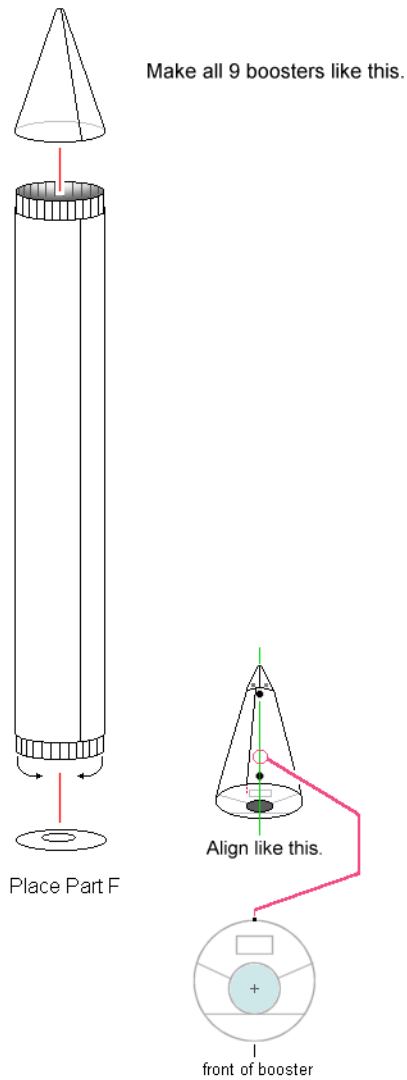
Make all 9 boosters like this.



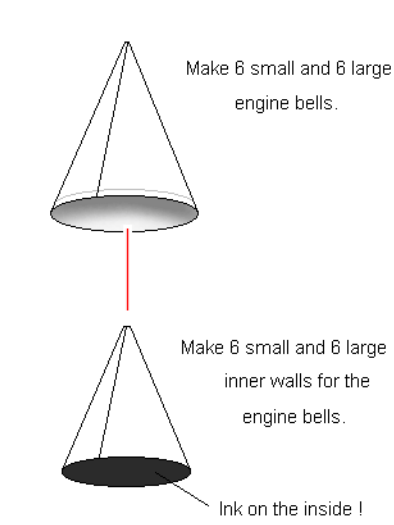
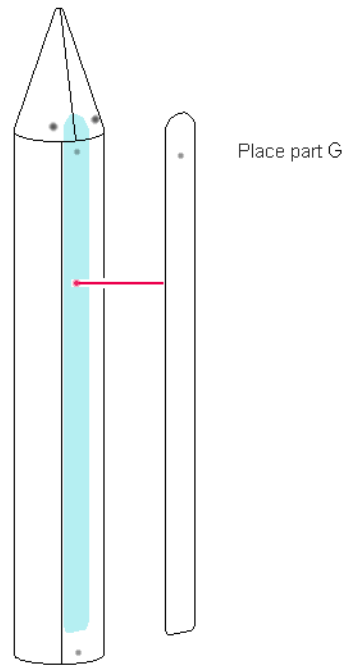
Upper connector

Lower connector

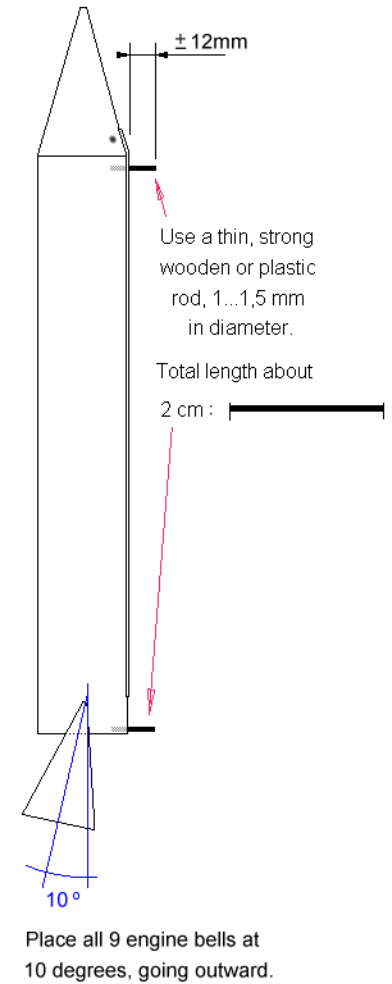
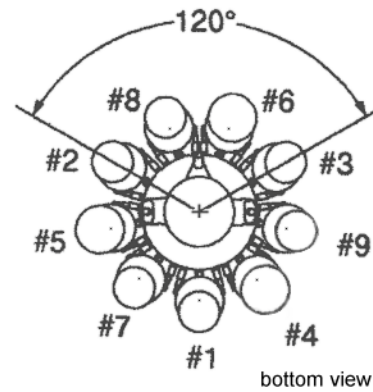
Instructions for building the Delta rocket, 300th launch celebration



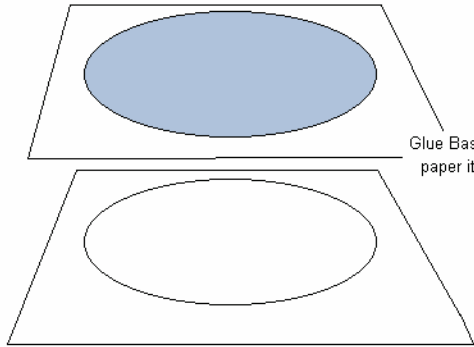
Note the correct placement of Part F !



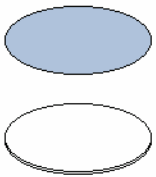
Boosters 4, 5 and 6 have the large engine bell, the others have the small one.



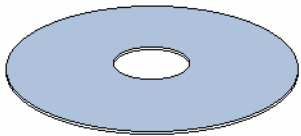
Instructions for building the Delta rocket, 300th launch celebration



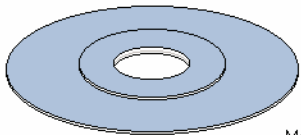
Glue Base onto same paper it's printed on. Then cut out.



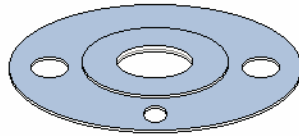
Glue part B-em on cardstock. Make rim blue.



Make a nice round hole.

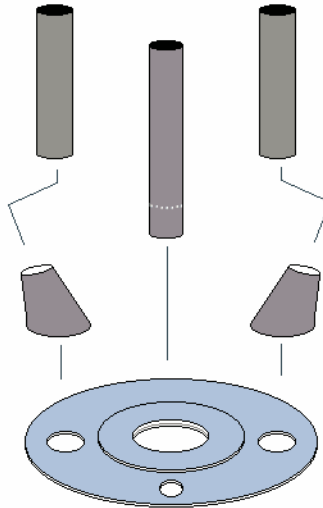
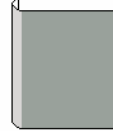


Make hole in part B B-em, then glue onto Base.

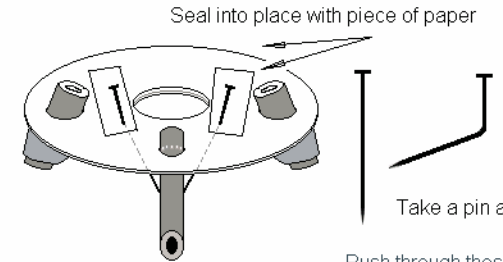


Make the other 3 holes. Make them oval, not round!

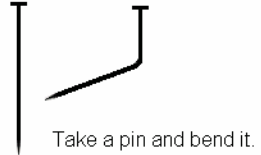
Make inside black. Roll up, begin here.



First glue parts VE into place, then insert part VEX.

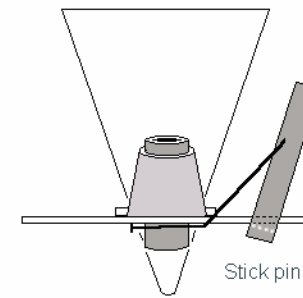
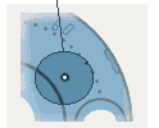


Seal into place with piece of paper



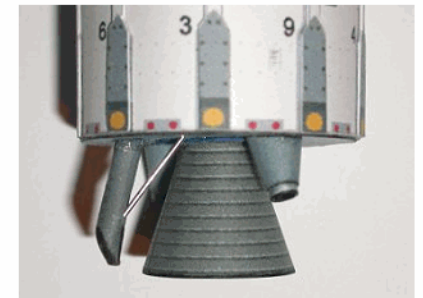
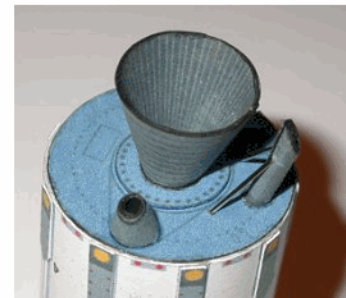
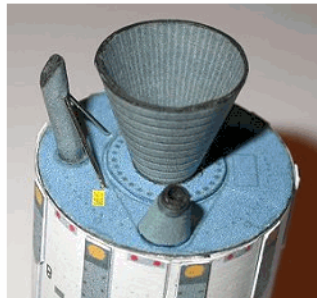
Take a pin and bend it.

Push through these holes.



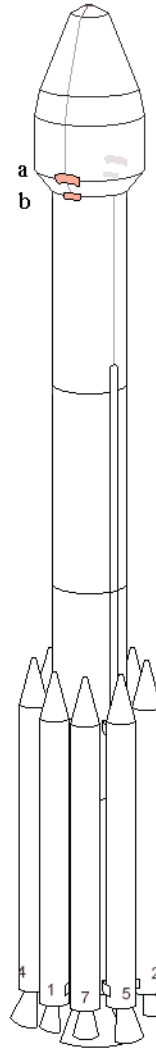
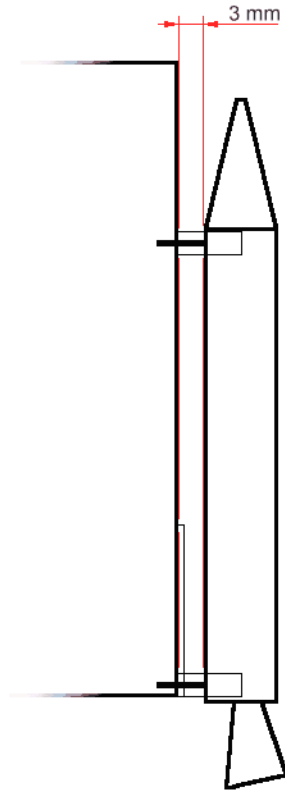
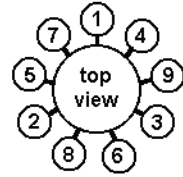
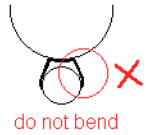
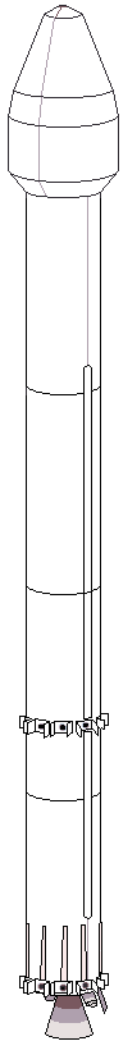
Cut tip of VEX in this shape.

Stick pin in part VEX

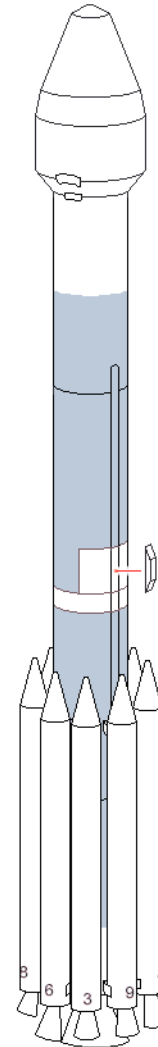


Instructions for building the Delta rocket, 300th launch celebration

Glue all 9 boosters into place.



Add parts NC a + b on both sides



The last part to be fit :
WT+

Congratulations !

You have finished this
Delta rocket, a milestone
in spacetravel.