

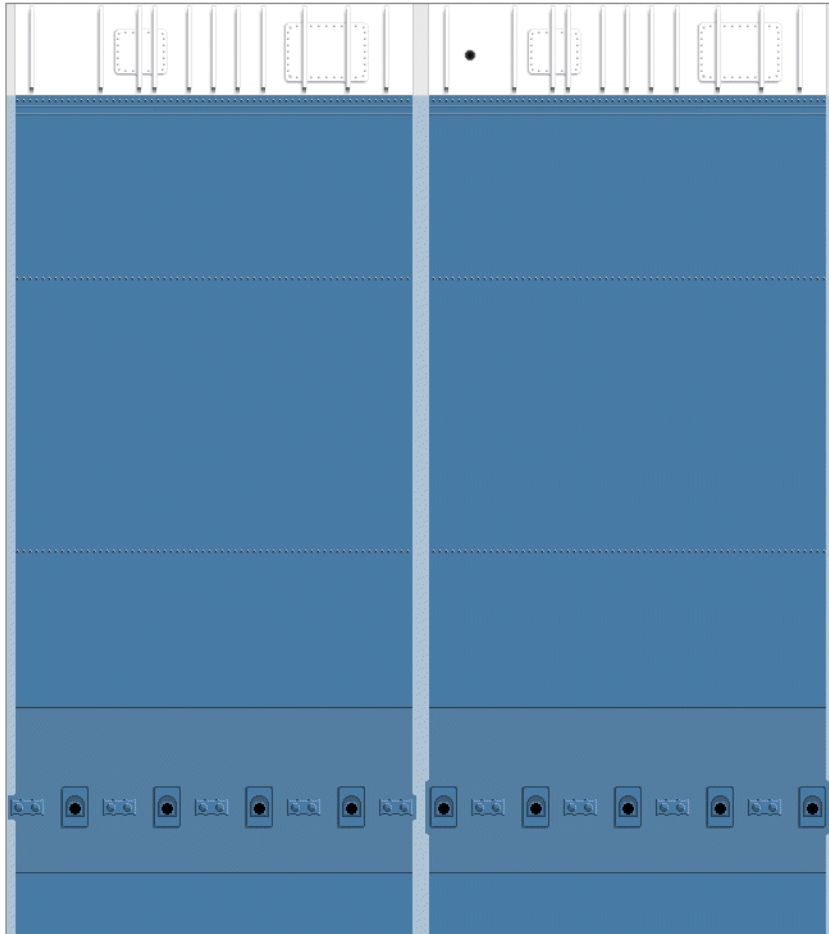
DELTA II
Delta 7920-10C 304
Launched the Gravity Probe B
on April 20, 2004.

GRAVITY PROBE B
testing einstein's universe

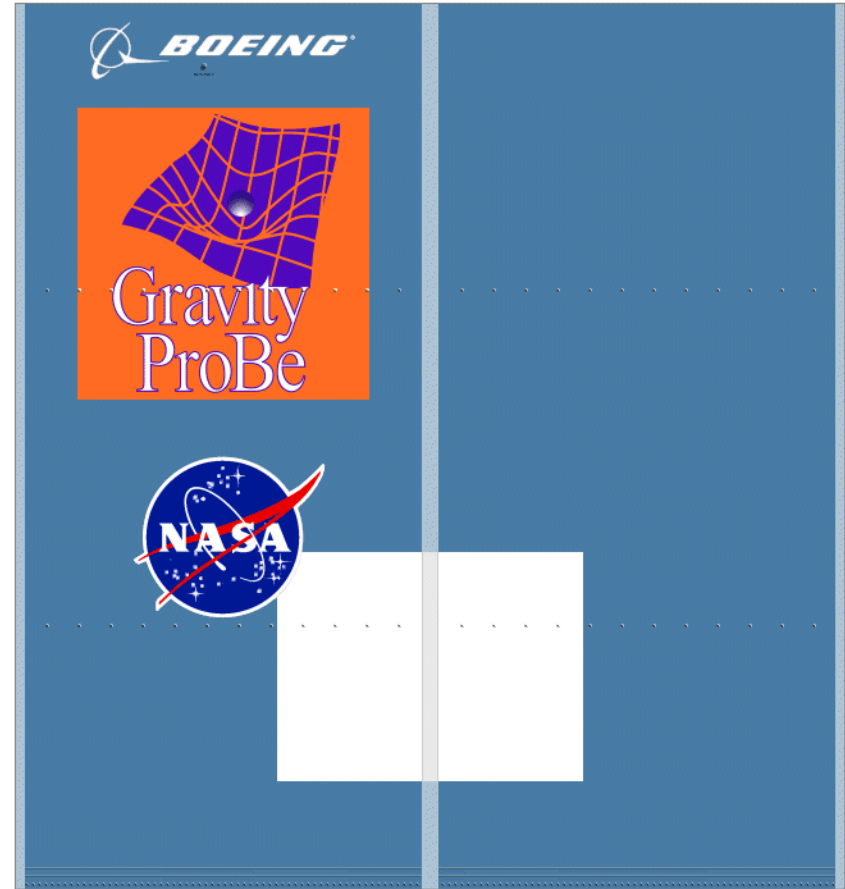


Extra Large Scale 1:72
Superdetailed model.

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Part B



Part C

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1 cm

1 inch

printing calibration

1 cm

1 inch

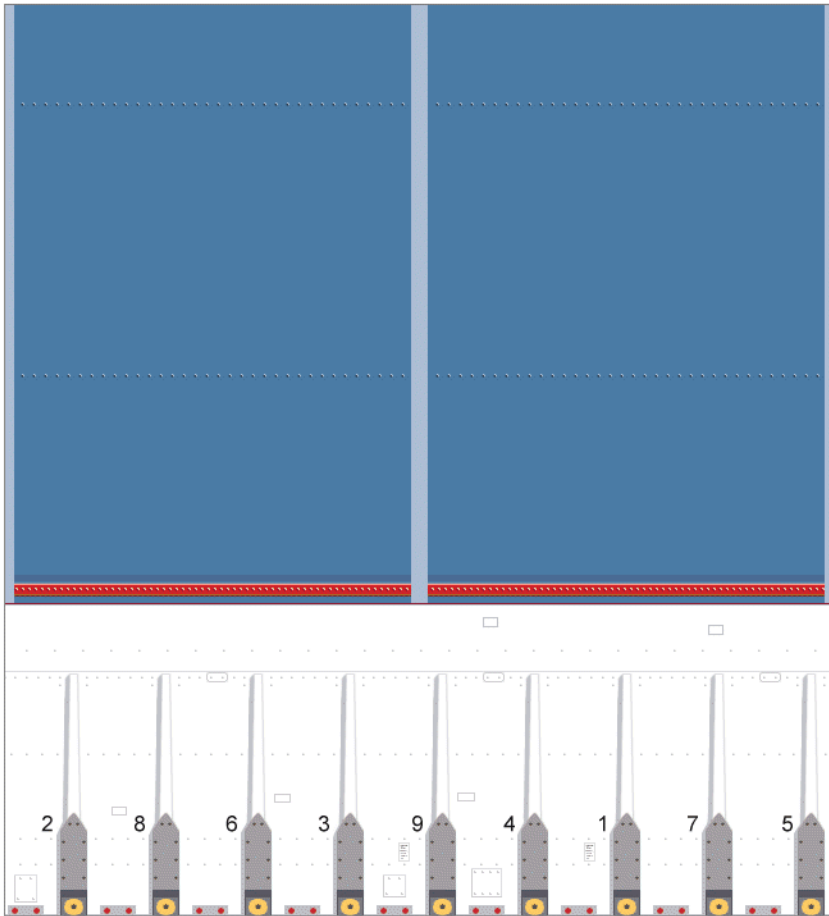
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Delta 7920-10C 304
 Launched the Gravity Probe B
 on April 20, 2004.

GRAVITY PROBE B
 testing einstein's universe

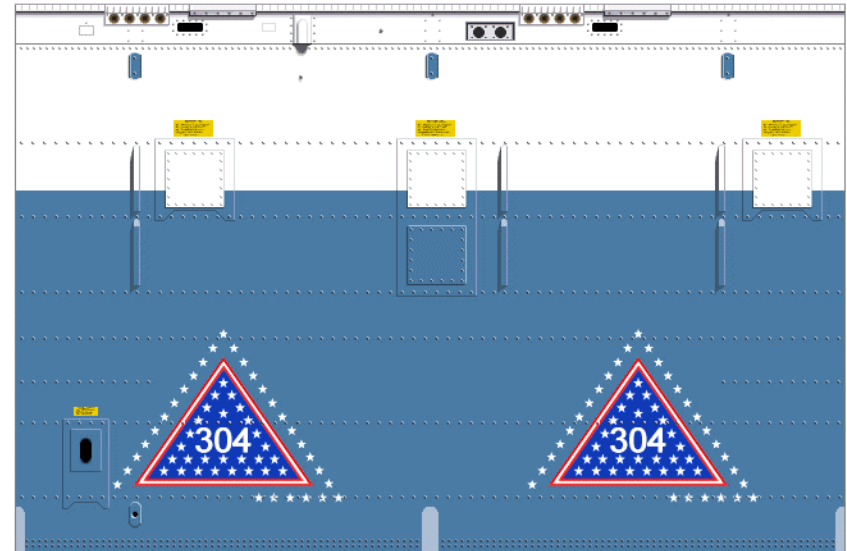


Extra Large Scale 1:72
Superdetailed model.

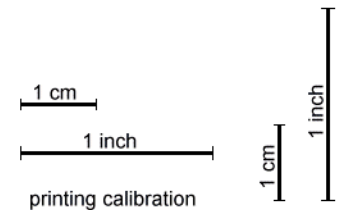
Page 2/13



Part A



Part D



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DELTA II

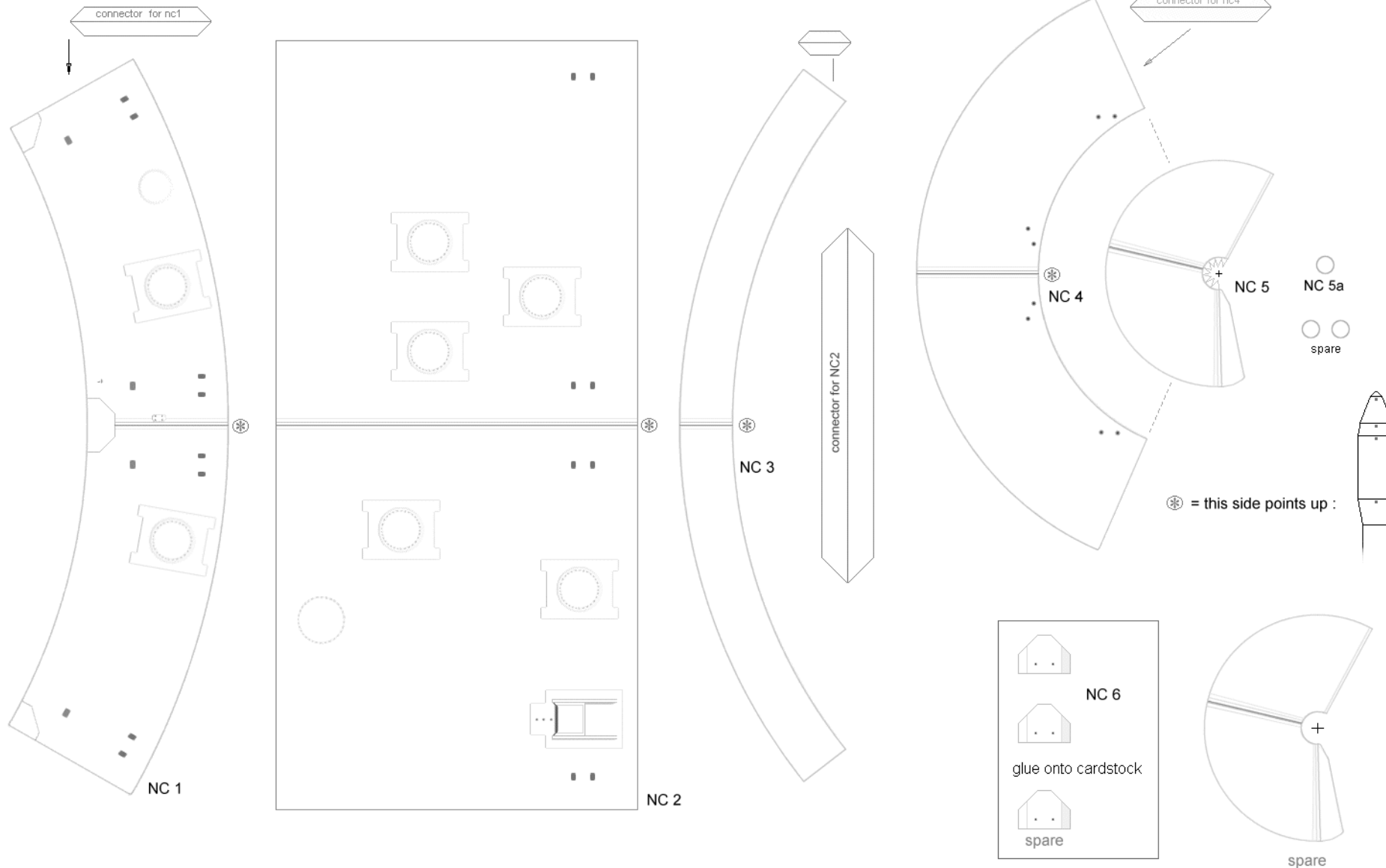
Delta 7920 - 10C 304



Superdetailed model.

Extra Large Scale 1:72

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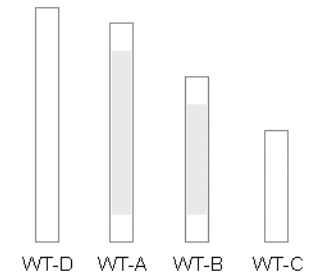
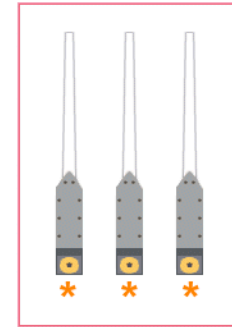
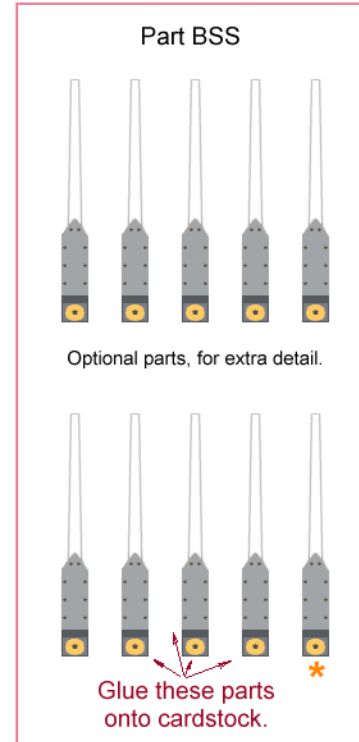
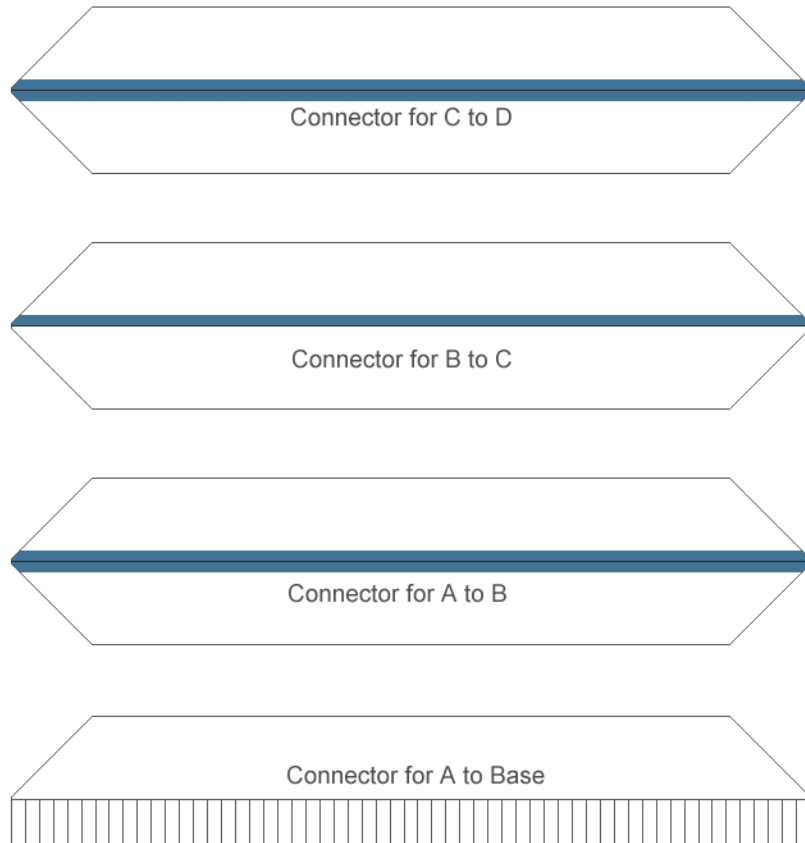


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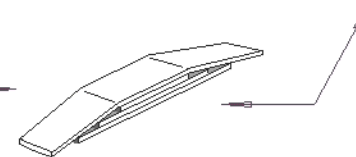
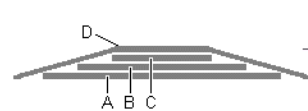
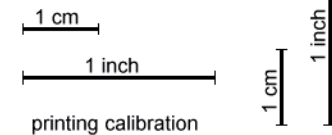
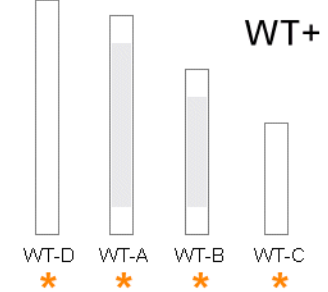


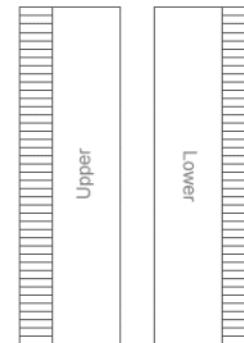
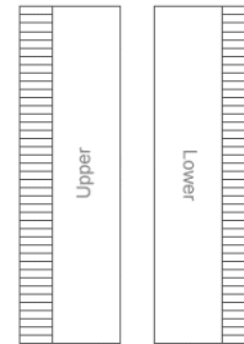
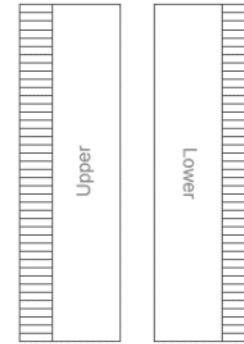
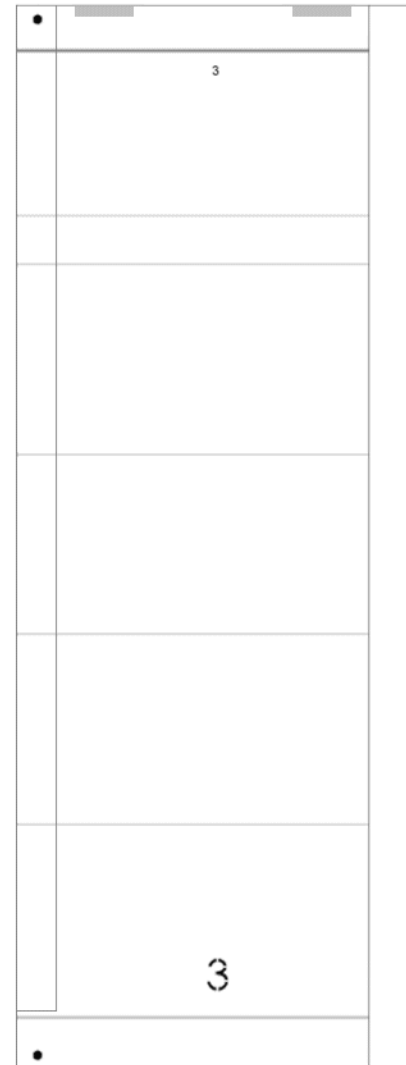
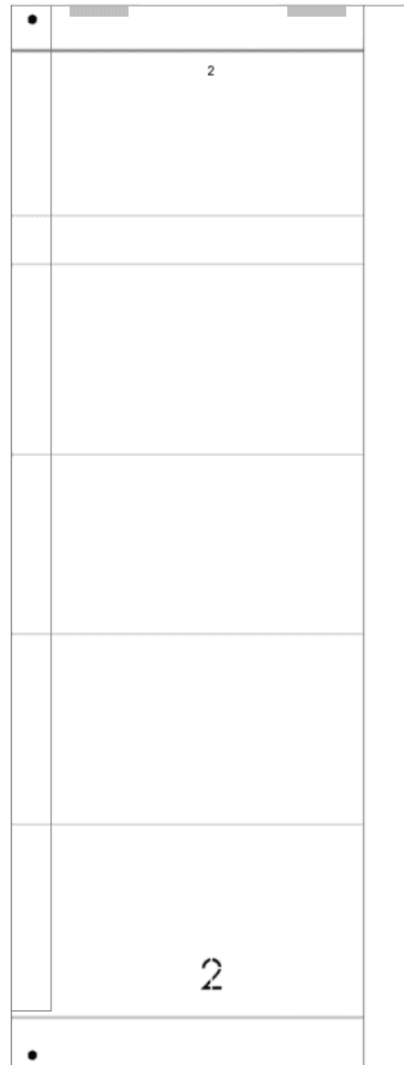
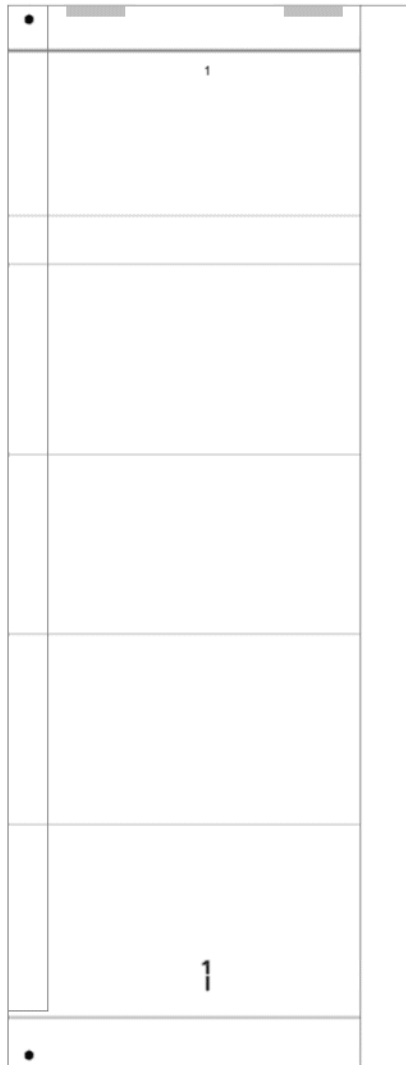
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Superdetailed model.

Extra Large Scale 1:72
Page 4/13



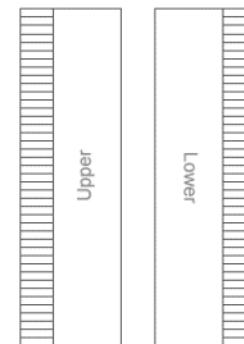
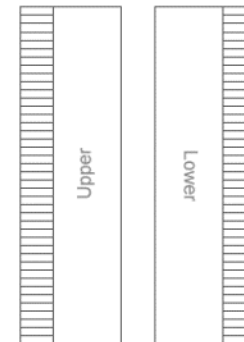
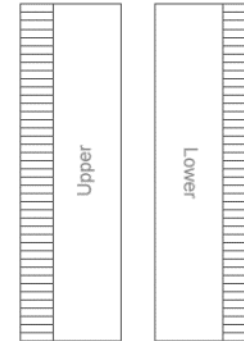
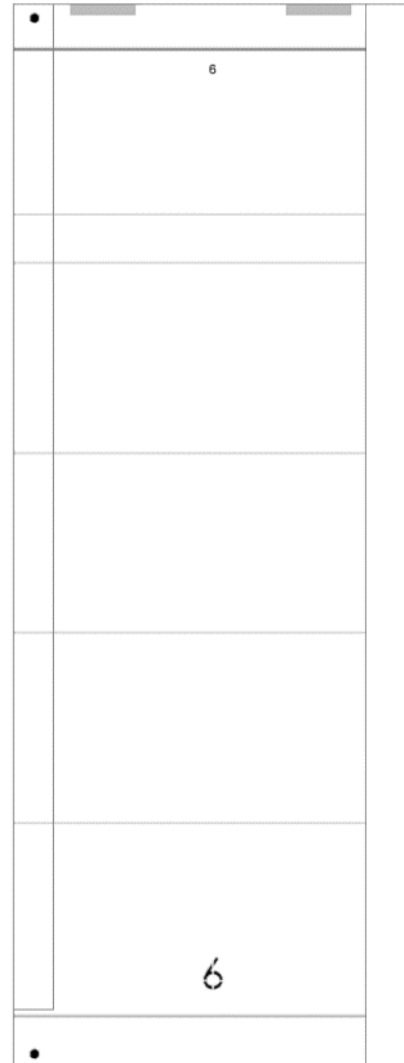
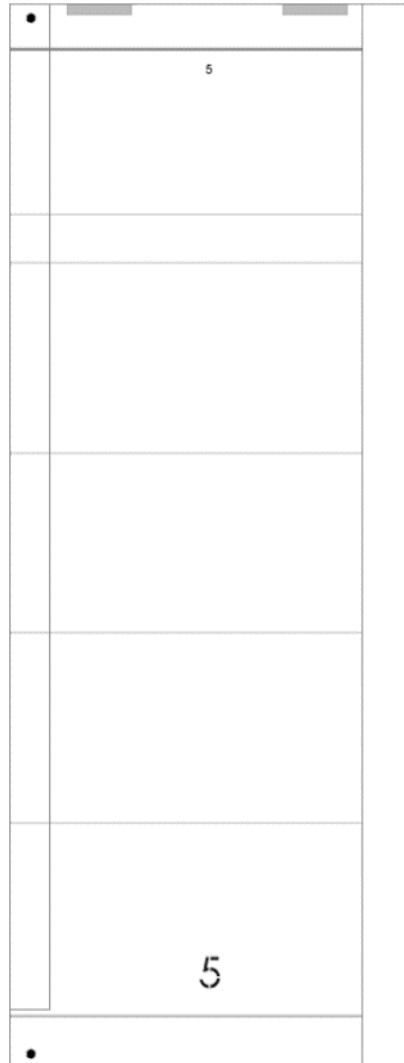
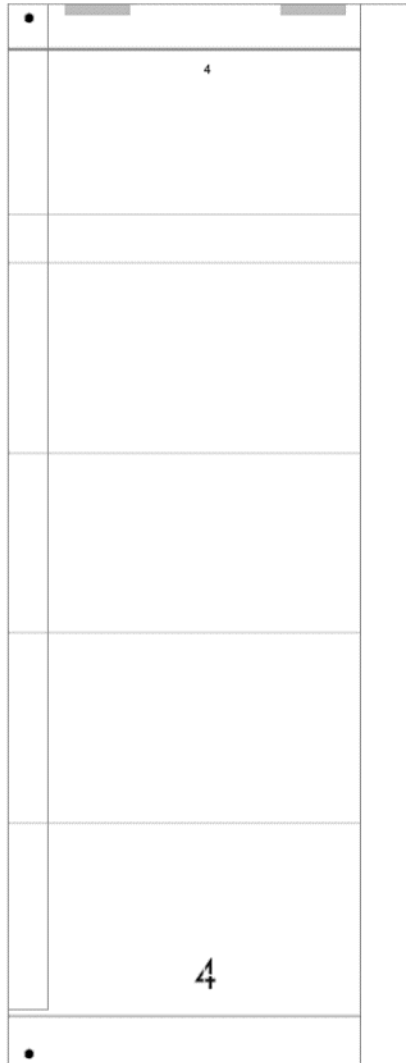
* = spare

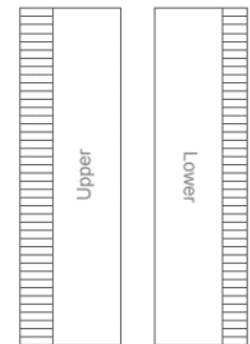
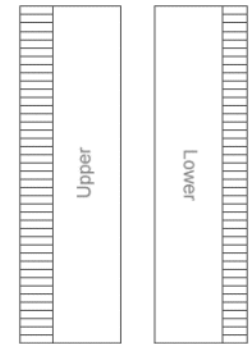
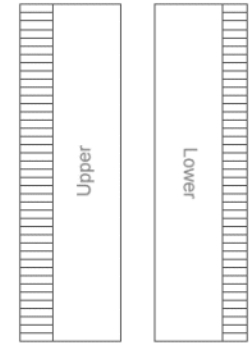
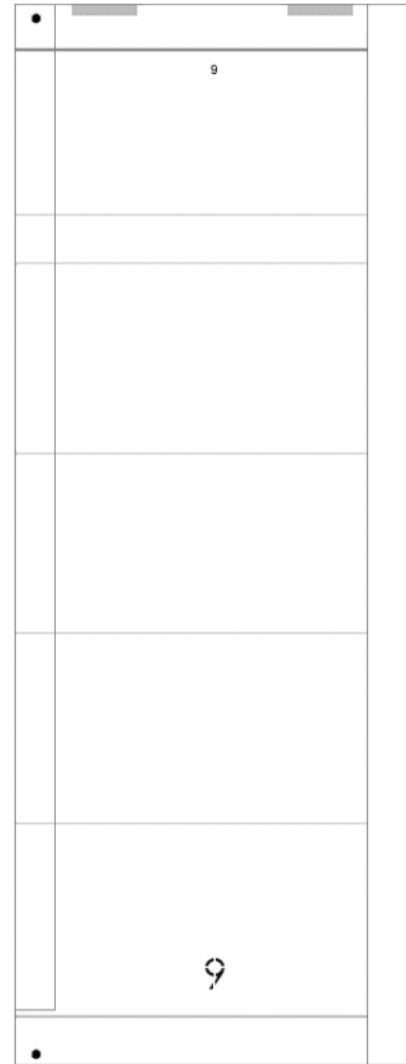
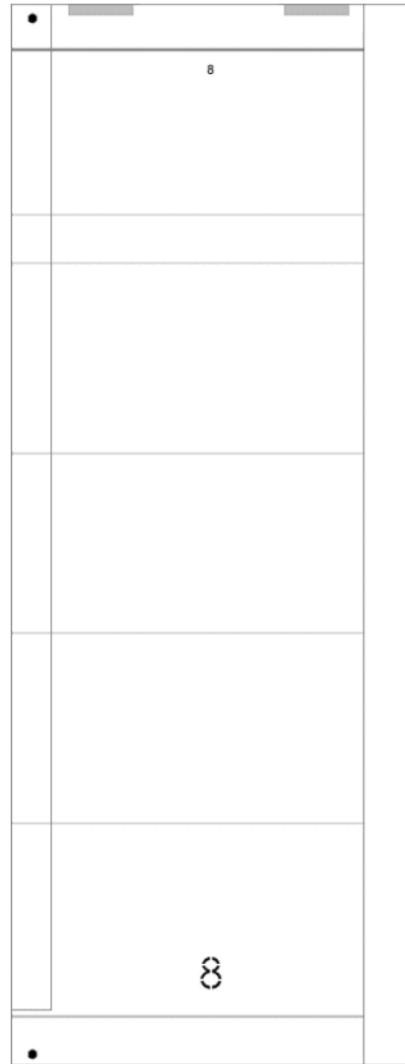
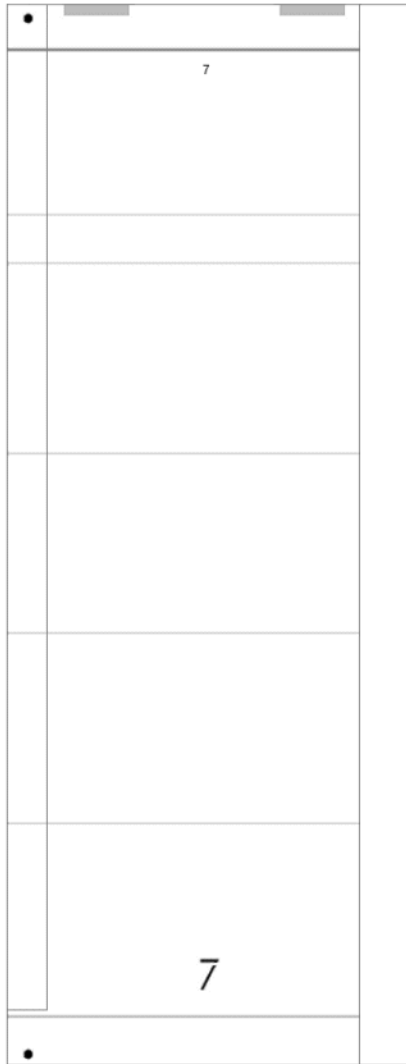






Boosters number 4, 5 and 6 have the large booster exhausts (marked with " L ")





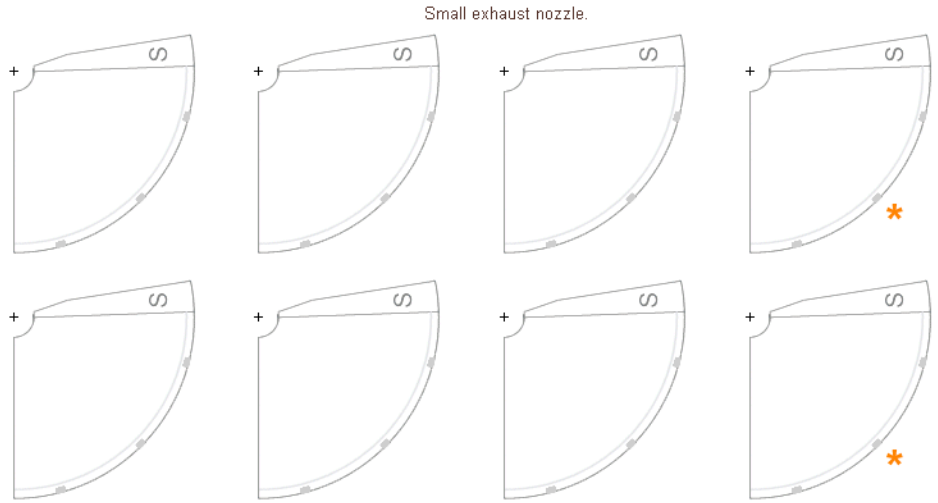
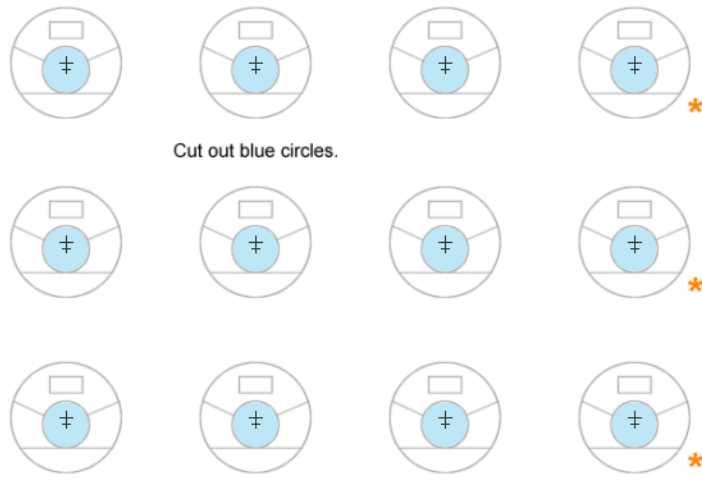
DELTA II



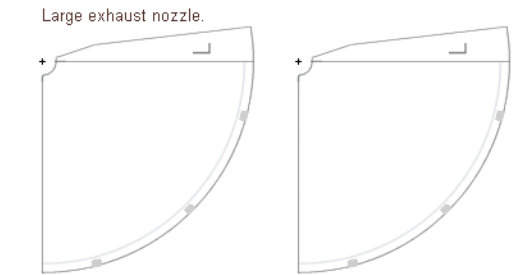
Superdetailed model.

Extra Large Scale 1:72

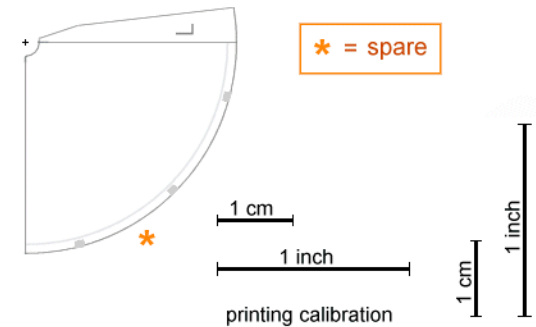
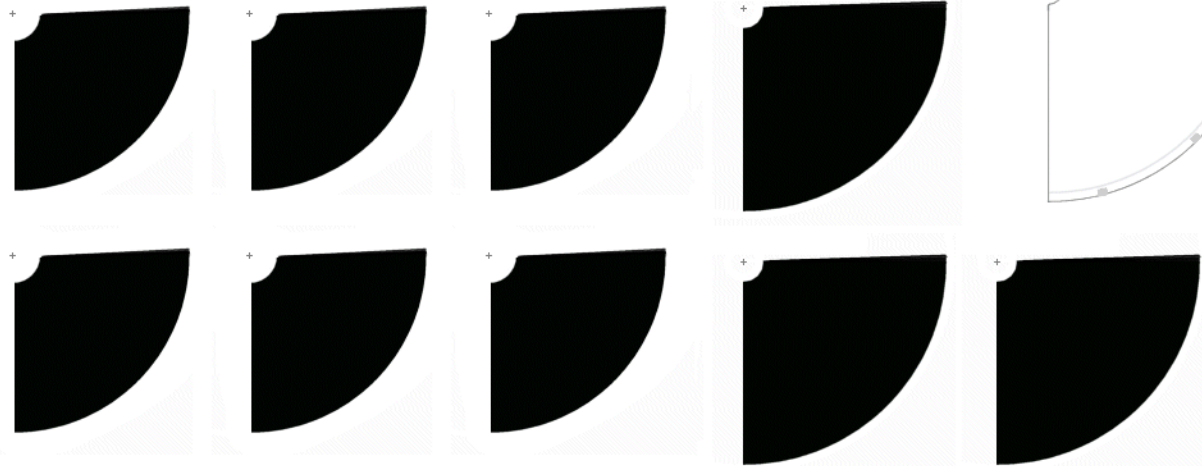
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* = spare



* = spare

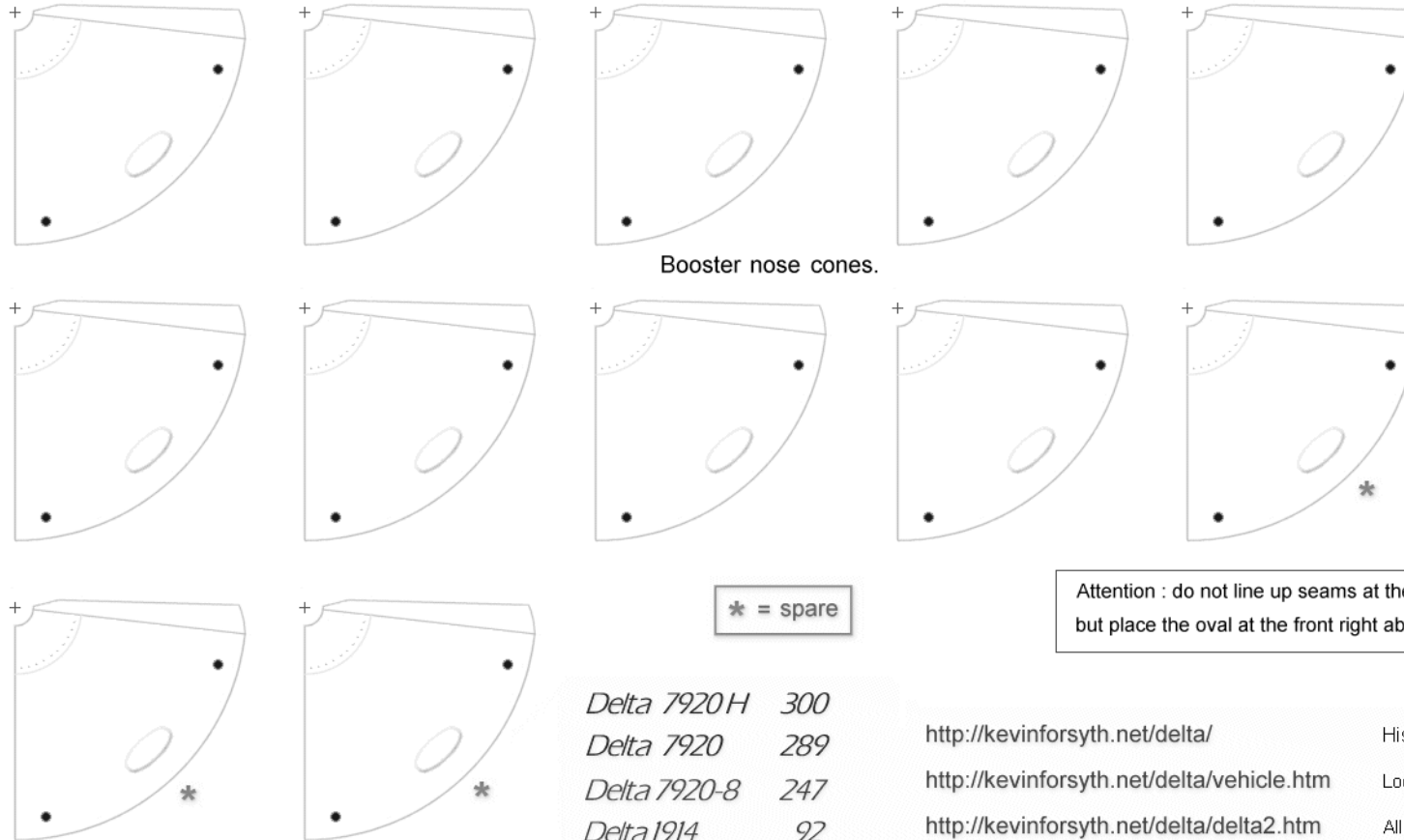


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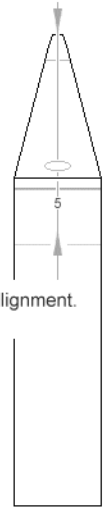


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Superdetailed model.

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Booster nose cones.



Note the correct alignment.

* = spare

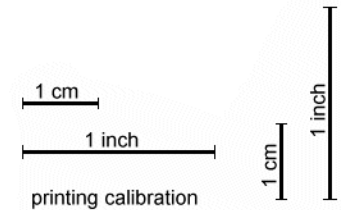
Attention : do not line up seams at the back, as usual,
but place the oval at the front right above the booster number !

* = spare

- Delta 7920 H* 300
- Delta 7920* 289
- Delta 7920-8* 247
- Delta 1914* 92
- Delta 8930*
- Delta 7320-10 C* 271

- <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.

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



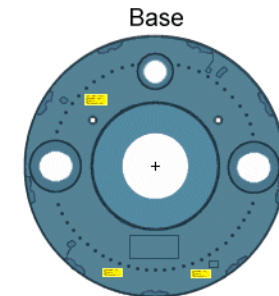
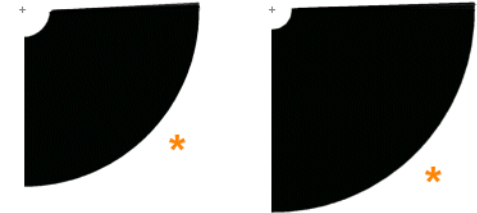
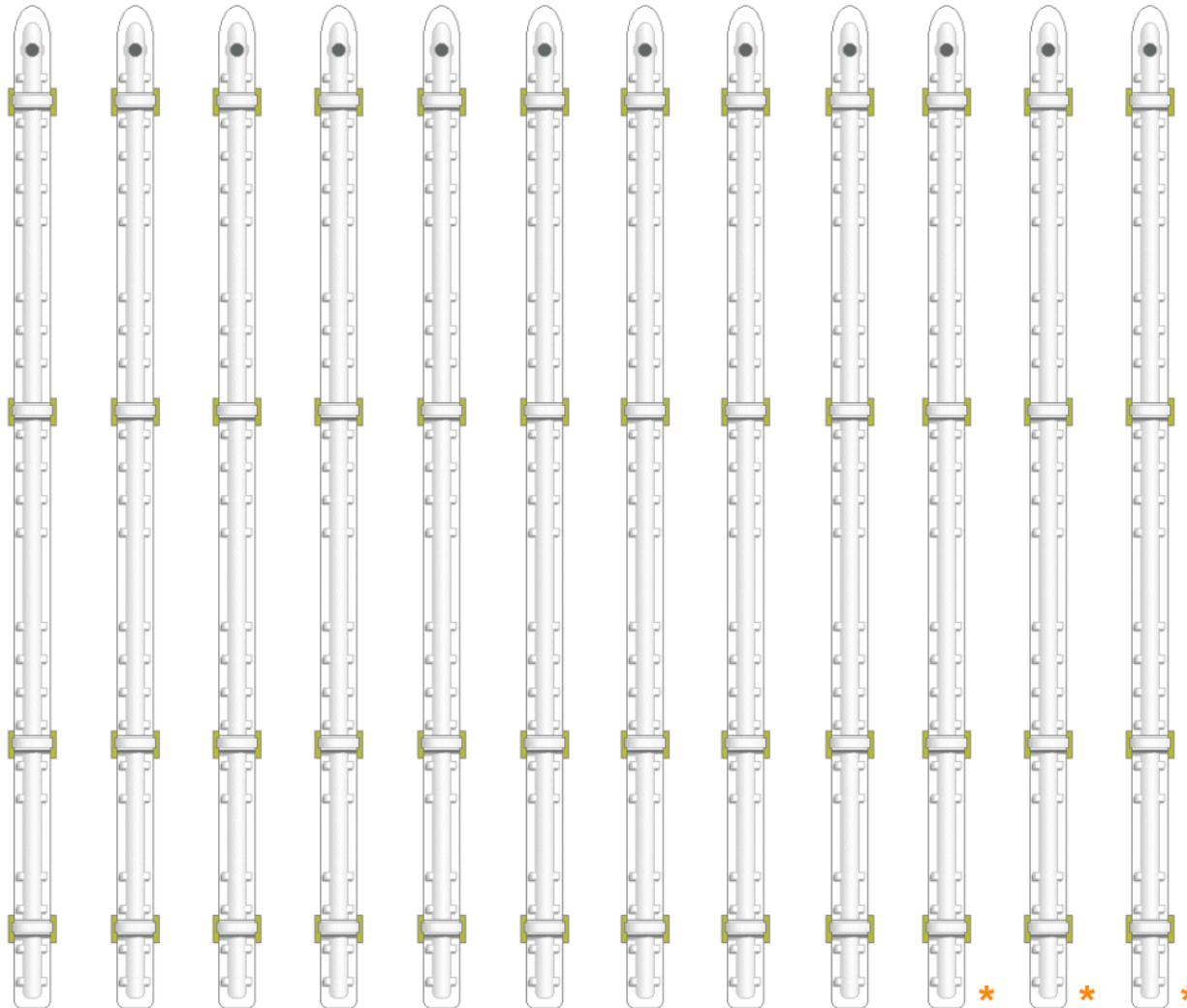
DELTA II



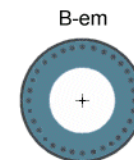
Superdetailed model.

Extra Large Scale 1:72

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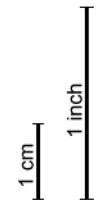
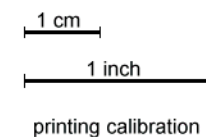


Base
First, glue this part onto same paper it has been printed on.
Then cut out white circles.



B-em
Glue onto cardstock.
Cut out white circle.
Make edge blue.

* = spare



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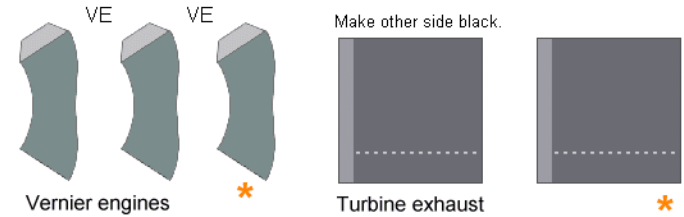
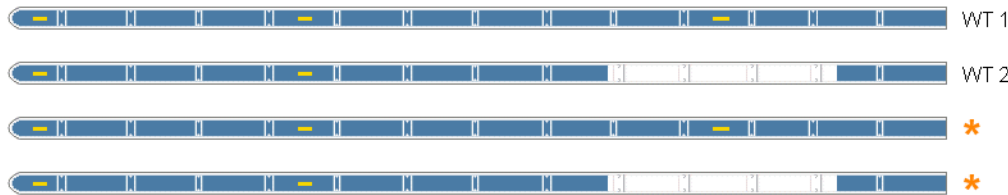
DELTA II



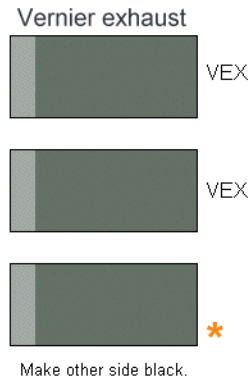
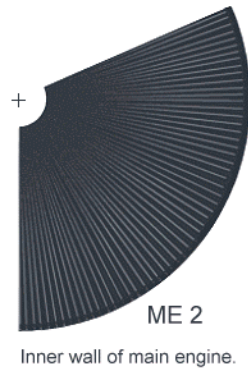
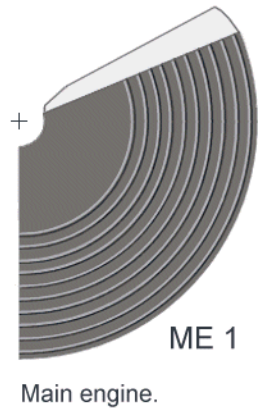
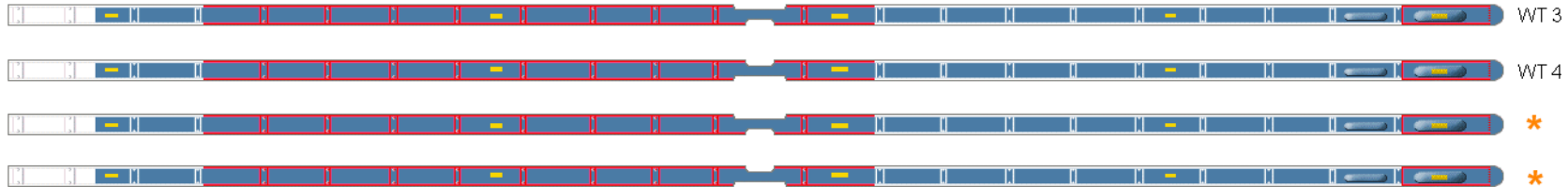
Superdetailed model.

Extra Large Scale 1:72

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Wiring tunnels



* = spare

TIP :

US letter and A4 paper sizes are almost identical.
 USL = 216mm x 279mm, A4 = 210mm x 297mm.
 This model will fit on either format, so use whichever you like. Uncheck the option "fit to page".
 If the option is checked, the prints will be very similar in Acrobat 3, 4 and 5. When using AR 6 the print may turn out just a bit smaller.
 If an accurate scale is wanted, please make a testprint and measure the ruler provided on the drawings, and make the necessary adjustments, if necessary.

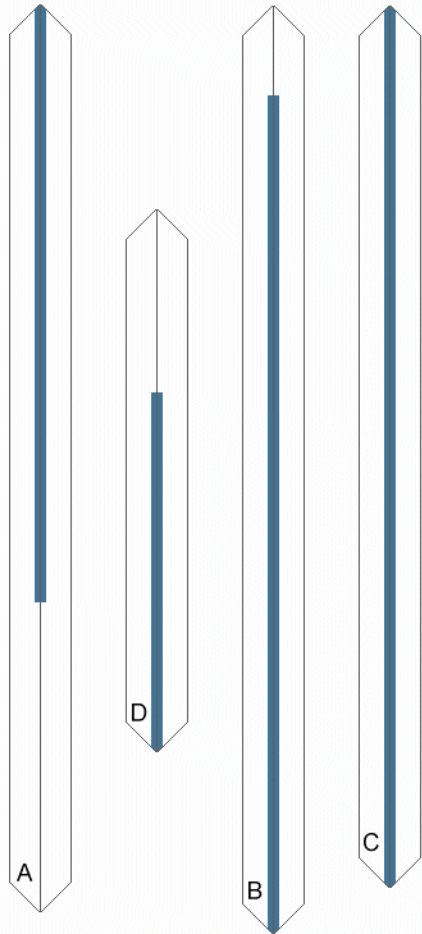
DELTA II



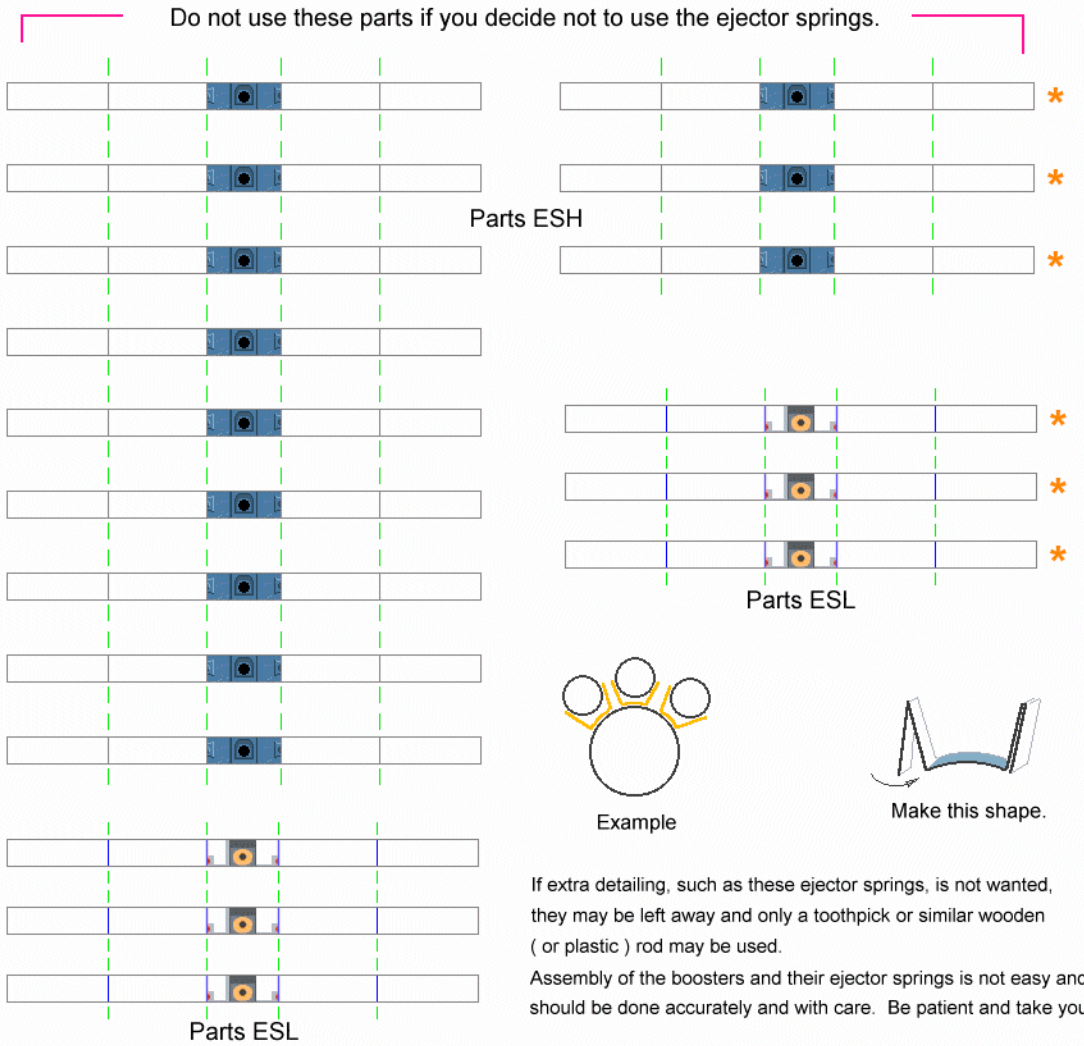
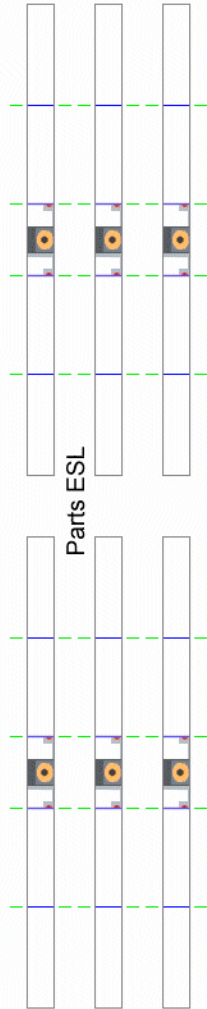
Superdetailed model.

Extra Large Scale 1:72

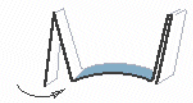
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Connectors for parts A - B - C - D.



Example



Make this shape.

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

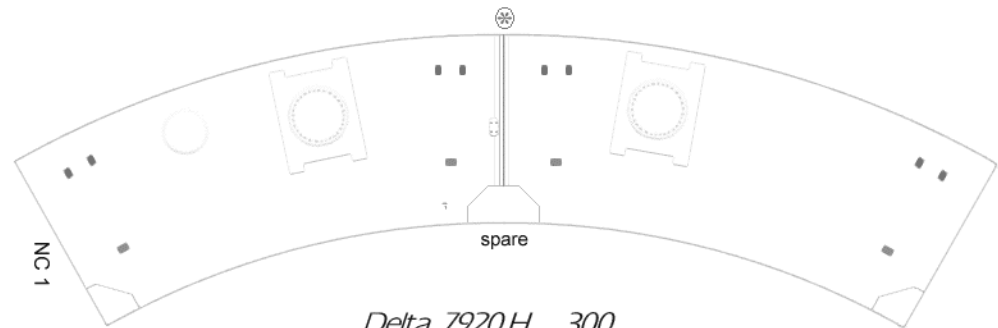
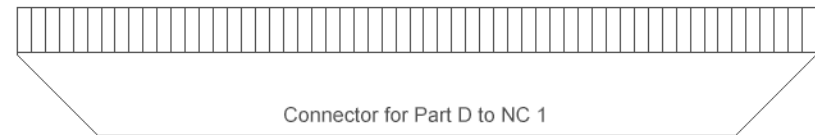
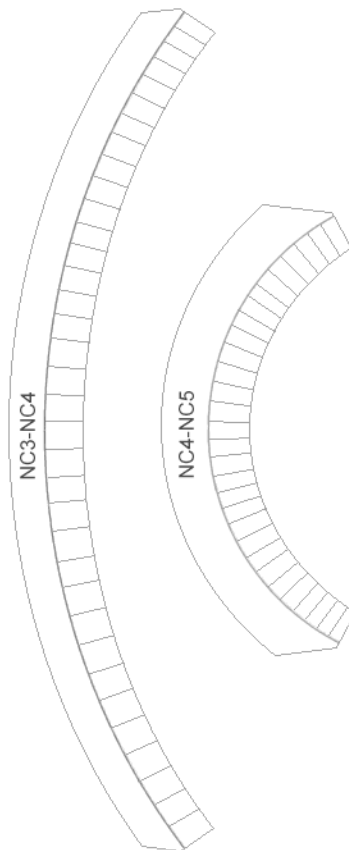
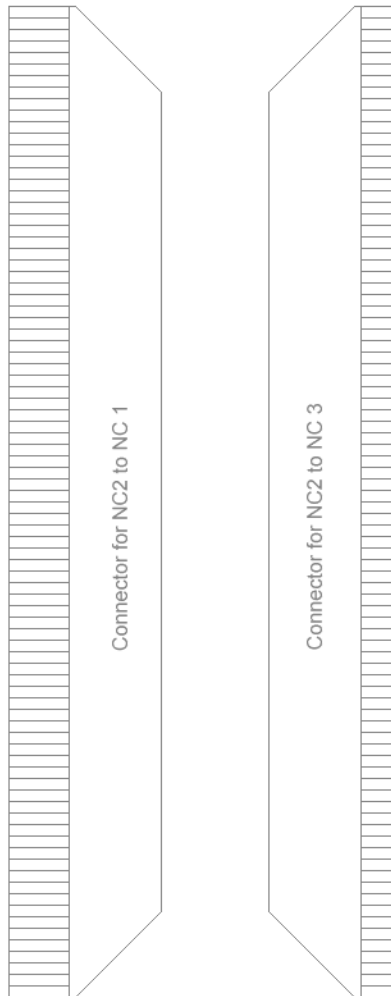
DELTA II



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Superdetailed model.

Extra Large Scale 1:72

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<i>Delta 7920 H</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 !

<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.

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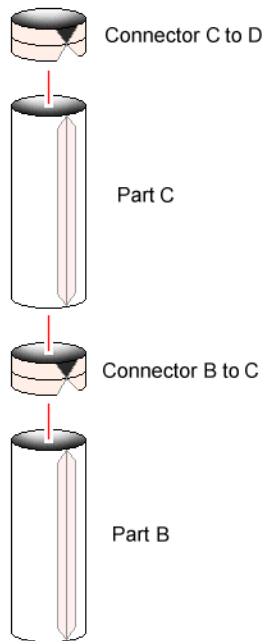
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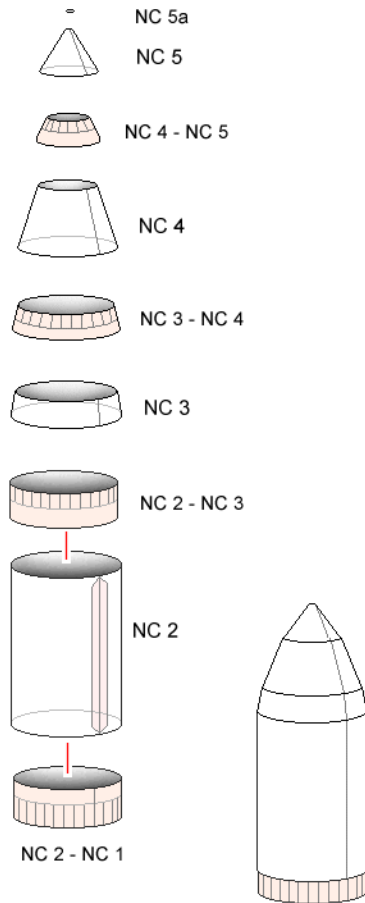
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Instructions for building the Delta rocket

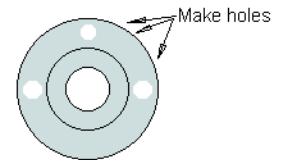
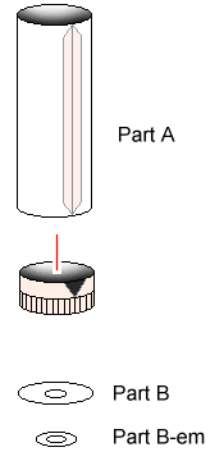
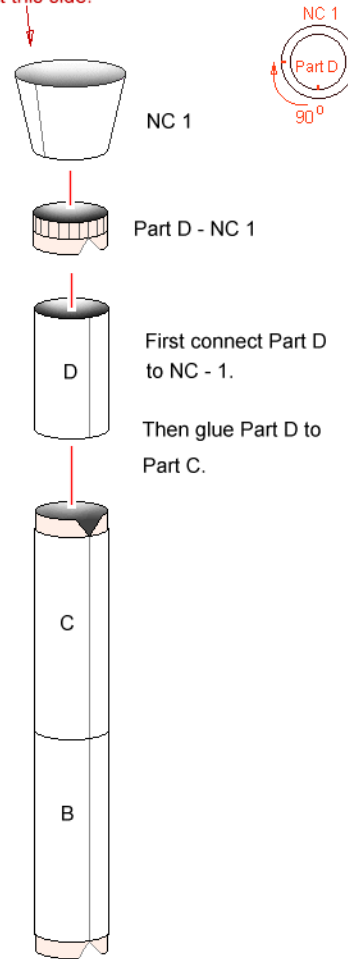
Fuel tanks



Payload fairing



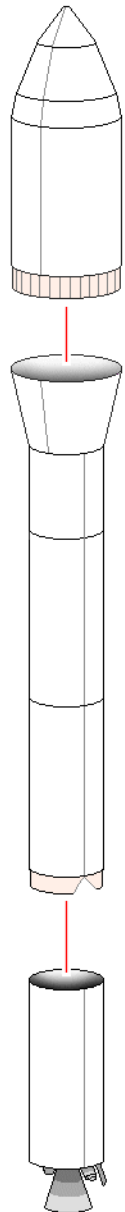
Note: keep seam of Part NC 1 at this side.



See other instruction sheet on how to assemble these parts.

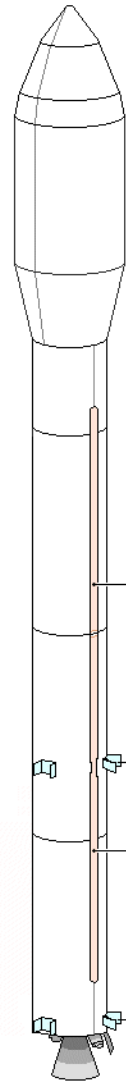
Instructions for building the Delta rocket

- 2 / 5 -



Note : pay attention to the correct alignment of the fairing !

Look at the details to see how it should be placed.



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.

WT 1

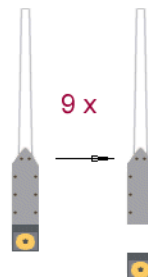
If you do not use the BES, drill the holes and glue the wiring tunnels into place.

ESH (9x)

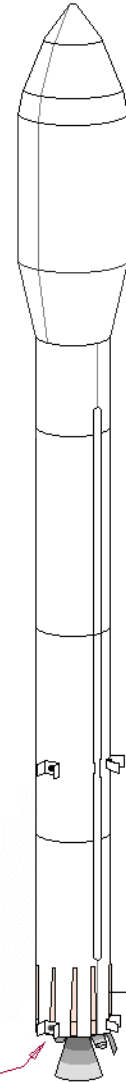
WT 2

ESL (9x)

9 x



If parts ESH and ESL are used, cut all 9 parts BSS as shown.

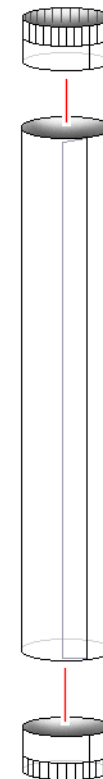


Let the glue dry well and drill all 18 holes.

Place parts BSS
First place parts ESL

Time to make the boosters.

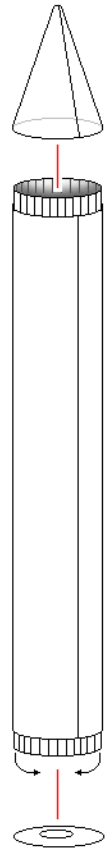
Make the 9 boosters like this :



Upper connector

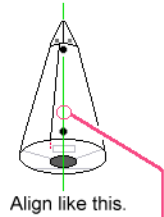
Lower connector

Instructions for building the Delta rocket

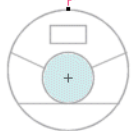


Make all 9 boosters like this.

Place Part F

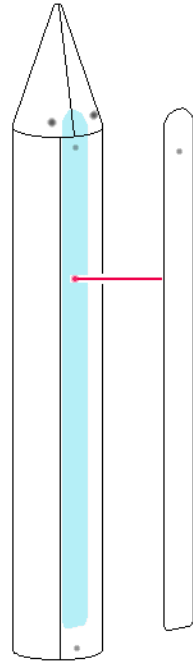


Align like this.

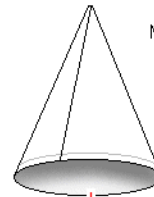


front of booster

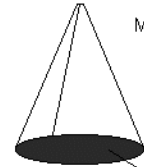
Note the correct placement of Part F !



Place part G



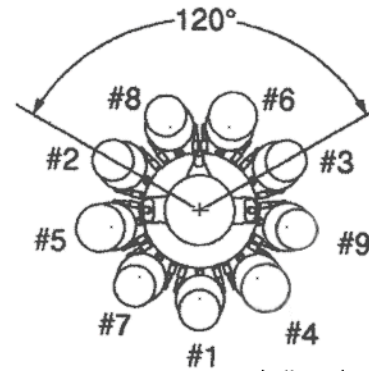
Make 6 small and 3 large engine bells.



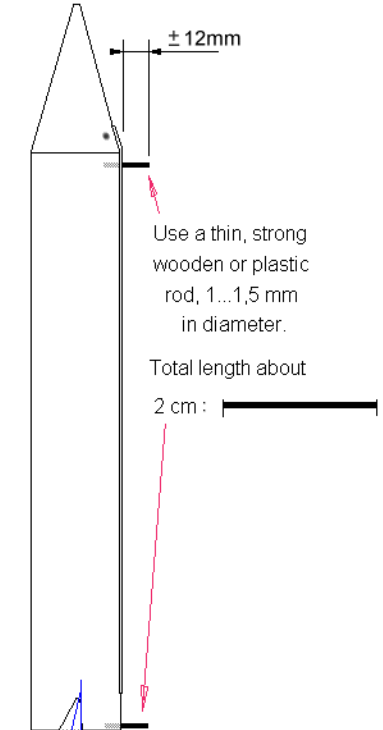
Make 6 small and 3 large inner walls for the engine bells.

Ink on the inside !

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



bottom view



±12mm

Use a thin, strong wooden or plastic rod, 1...1,5 mm in diameter.

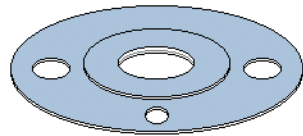
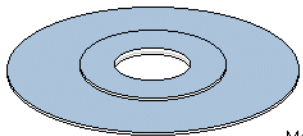
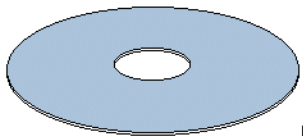
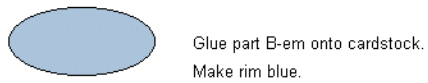
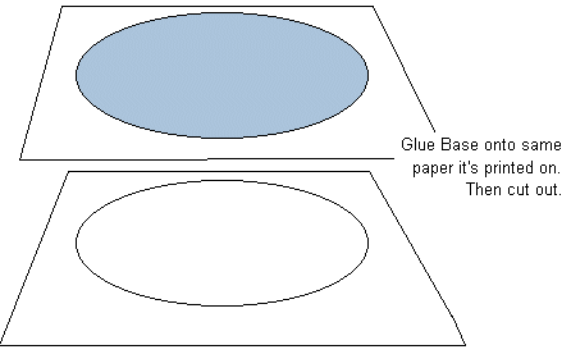
Total length about

2 cm :



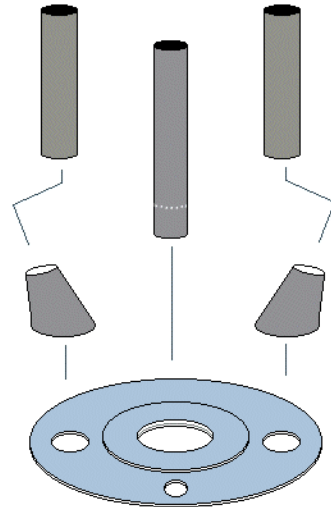
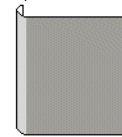
Place all 9 engine bells at 10 degrees, going outward.

Instructions for building the Delta rocket, 300th launch celebration

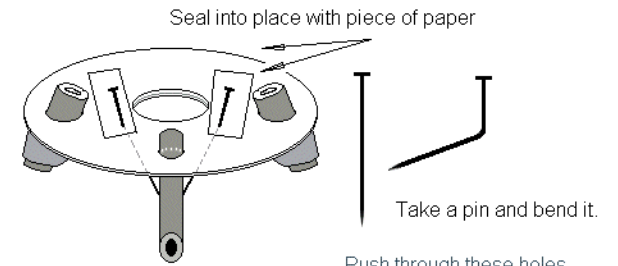


Make the other 3 holes. Make them oval, not round!

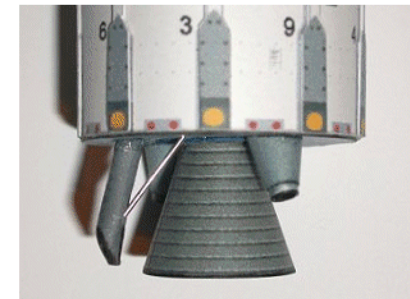
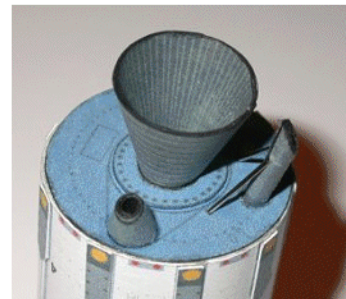
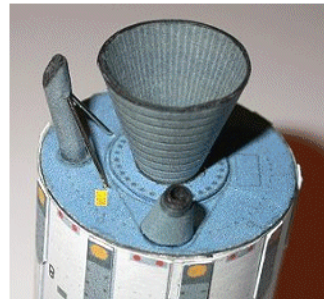
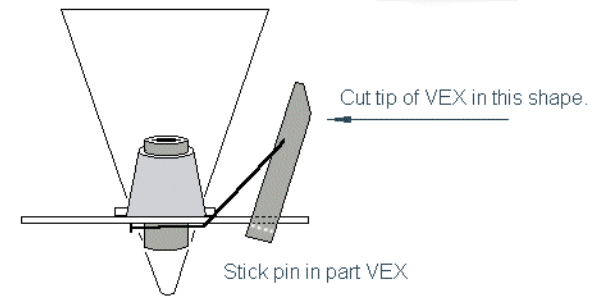
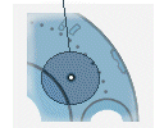
Make inside black. Roll up, begin here.



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

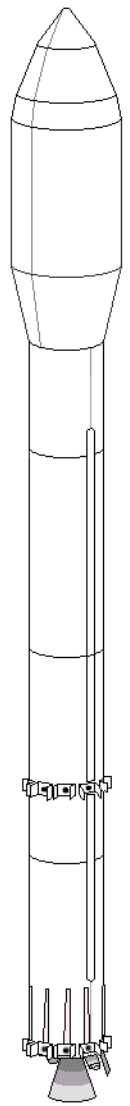


Push through these holes.

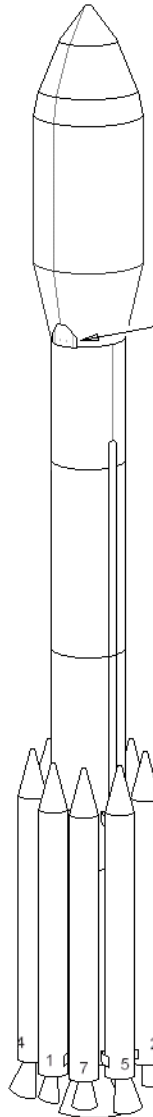
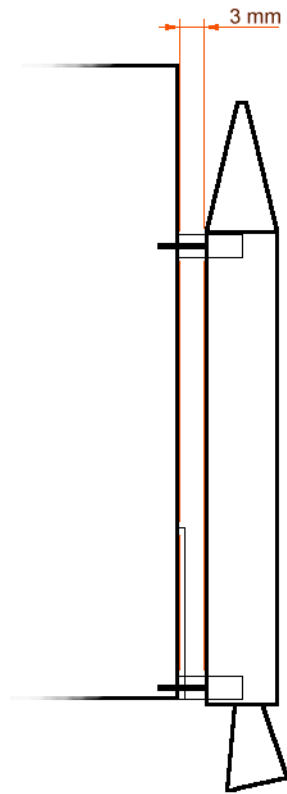
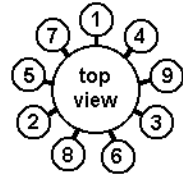


Instructions for building the Delta rocket

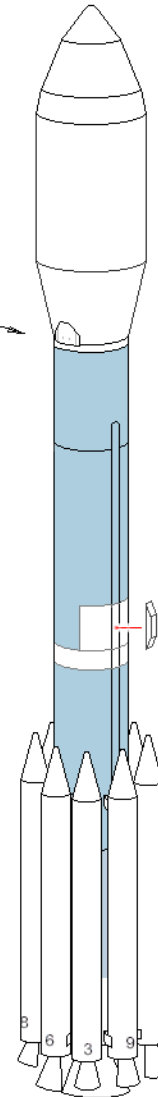
- 5 / 5 -



Glue the 9 boosters into place.



Add parts NC 6 on both sides



The last part to be fit :
WT+

Congratulations !

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