

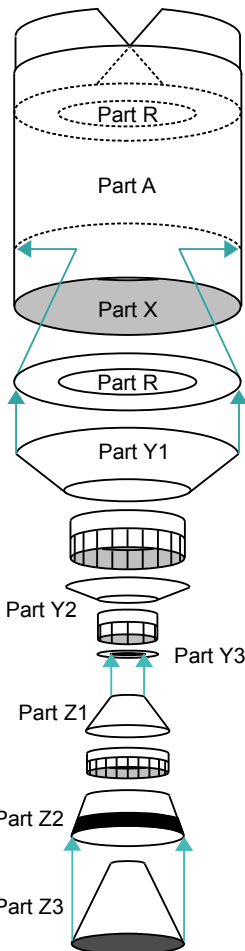
# Minotaur V

Launched 6 Sep 2013 from  
Wallops Island Launch  
Facility with the LADEE  
moon probe.

Scale 1:96

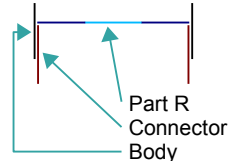


## Step 1: Lower Body, Bulkhead and Engine

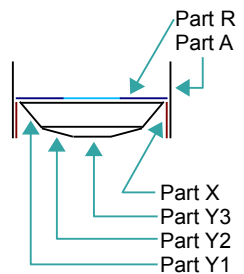


1. Roll and glue Part A and the A-B connector.
2. Glue Part R against the connector as shown.
3. Glue Part X in inside Part A with the color showing.
4. Assemble the Y parts and glue the bottom as shown below.

How to glue  
Part R



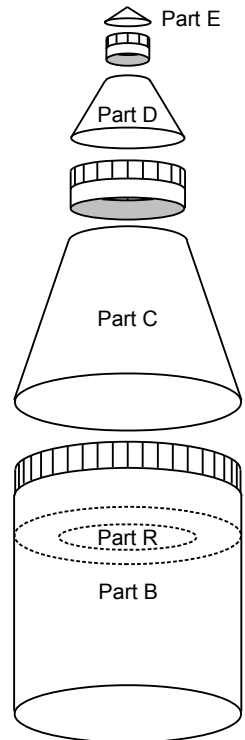
Bottom Bulkhead  
Construction Guide



5. Glue part Z1 to Z2.
6. Roll part Z3 into a cone and glue inside parts Z1 and Z2.
7. Glue the entire nozzle onto the bottom of the lower bulkhead.

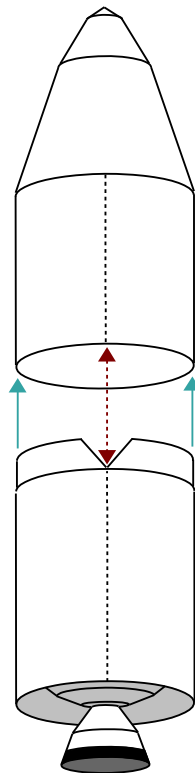
## Step 2: Upper Body and Nose Cone

1. Roll and glue Part B and the B-C connector.
2. Glue Part R against the connector as shown in Step 1.
3. Glue the nose cone parts together starting with Part C.
4. When the nose cone is dry, attach it to the main Body.

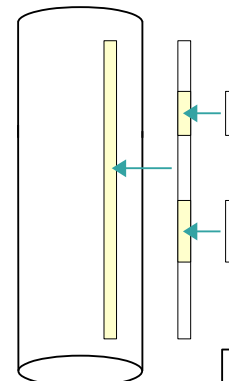


## Step 3: Body Assembly

Carefully, glue the  
body halves together,  
making sure you line  
up the seams.



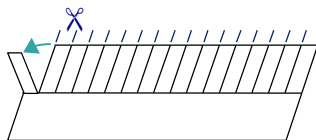
## Step 4: Cable Runners



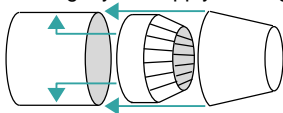
1. Glue the cable runners to another layer of card stock and let dry.
2. Glue the small raised sections to the matching section on the main runner.
3. Glue the completed cable runner to the body, matching the thick parts with the picture.

## How to use tabbed connectors

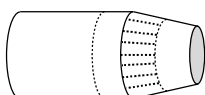
1. Cut out the connector and cut along small lines to make one side a line of 'tabs.'



2. Roll into a tube and glue inside the larger diameter tube.
3. Fold the tabs in slightly and apply some glue.



4. Attach the cone, using a small wooden or plastic rod to press the tabs to the inside of the cone.



Find out more about the Minotaur V launch vehicle  
visit the website at  
<http://www.orbital.com/SpaceLaunch/Minotaur/IV/>

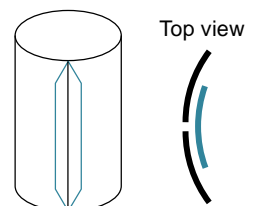


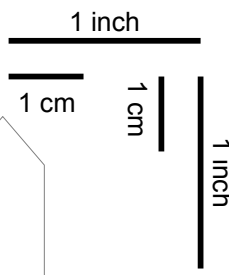
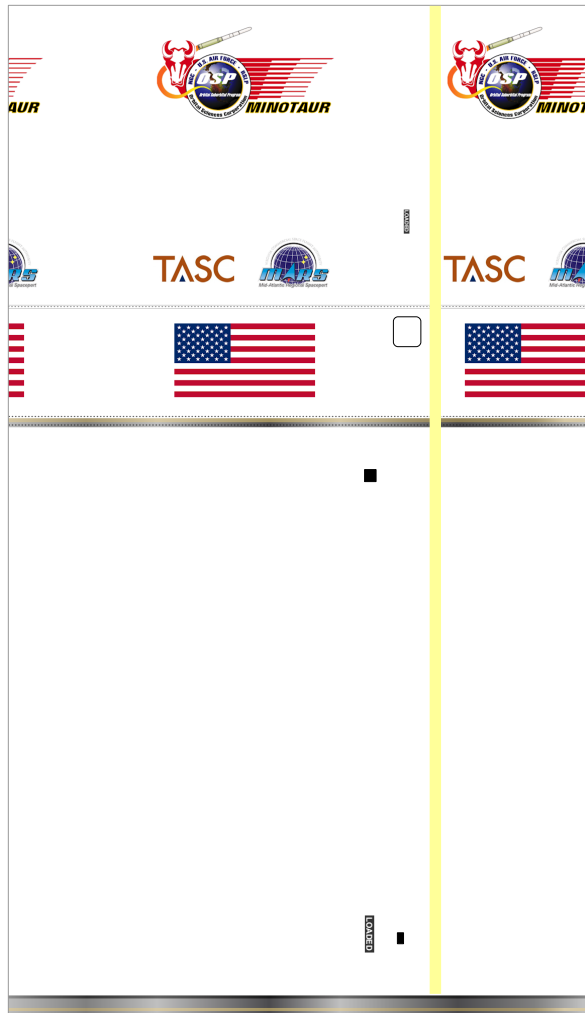
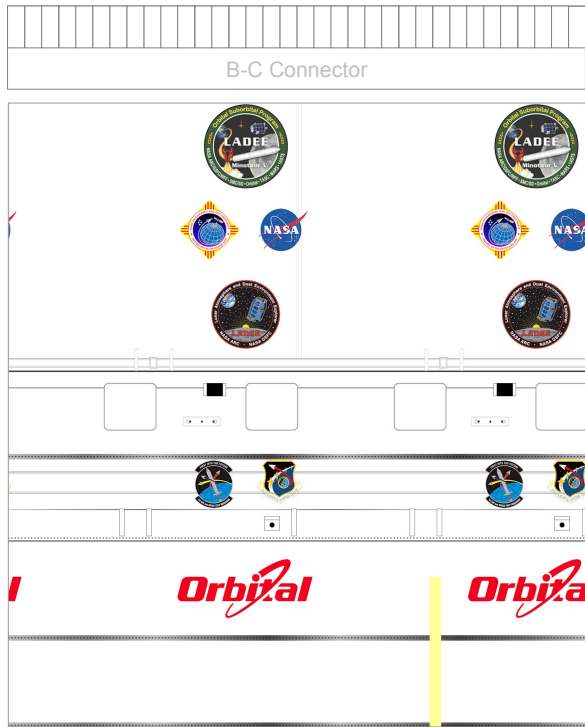
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## Glue Tabs

Glue sections into tubes  
using the connector to  
keep the joint flush.





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Part B

