

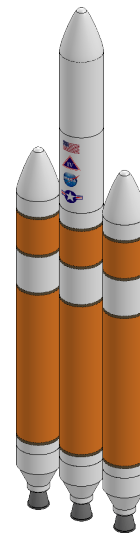
Delta IV Heavy Assembly

A. Open CBC Sub Assembly and Save As.

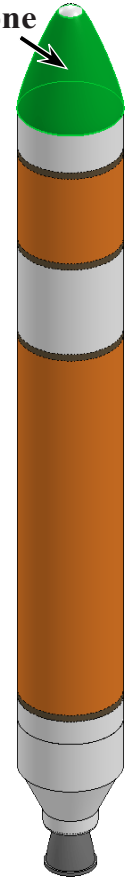
Step 1. Open your CBC SUB ASSEMBLY.

Step 2. Click File Menu > Save As.

Step 3. Key-in **DELTA IV HEAVY ASSEMBLY** for the file-name and press ENTER.



Delete
Nose Cone



B. Delete Nose Cone.

Step 1. Delete the Nose Cone, **Fig. 1**. To delete, click the Nose Cone in the graphics area and press Delete key on keyboard.

C. Insert Interstage and Payload Fairing.


Step 1. Click **Insert Components**  on the Assembly toolbar.

Step 2. Click **Keep Visible**  in the Property Manager, **Fig. 2**.

Step 3. Click **Browse** in the Property Manager.

Step 4. Select your **INTERSTAGE** file and click Open.

Step 5. Place Interstage above Booster, **Fig. 3**.

Step 6. Browse and place **PAYLOAD FAIRING**, **Fig. 3**. Click OK  in the Property Manager when done.

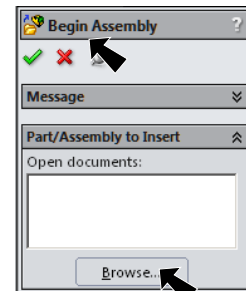


Fig. 2

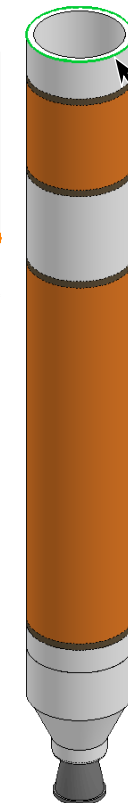



Fig. 1

D. Mate: Booster and Interstage.

Step 1. Click **Mate**  on the Assembly toolbar.


Step 2. Click **top outside edge of Booster** and **bottom outside edge of Interstage**, **Fig. 3**.

Step 3. Click Add/Finish Mate  in Mate pop-up toolbar to add a **Coincident** mate.

Fig. 3

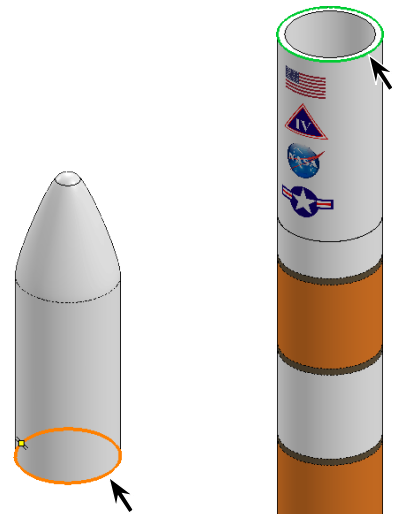
E. Mate: Interstage and Payload Fairing.

Step 1. Click top outside edge of Interstage and bottom outside edge of Payload Fairing, Fig. 4.

Step 2. Click Add/Finish Mate  in Mate pop-up toolbar to add a **Coincident** mate.

Step 3. Click OK  in the Property Manager when done.

Step 4. Save. Use **Ctrl-S**.



F. Insert CBC Assembly.

Step 1. Click **Insert Components**  on the Assembly toolbar.

Step 2. Click **Browse** in the Property Manager.

Step 3. Select your **CBC ASSEMBLY** file and place, Fig. 5.

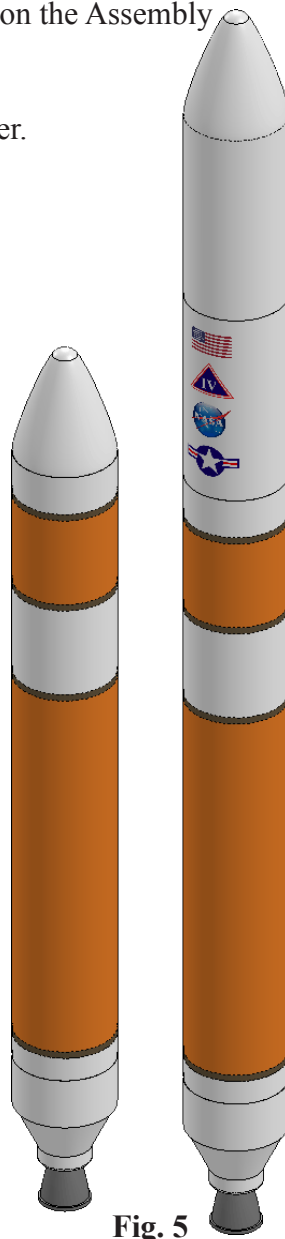






Fig. 4


Fig. 5

G. Mate: CBC Assembly Front Planes.

Step 1. Click **Front**  on the Standard Views toolbar. (Ctrl-1)

Step 2. Click **Front Plane**  and click **Mate**  on the Context toolbar, **Fig. 6**.

Step 3. Expand the flyout Feature Manager design tree in the top left corner of the graphics area, expand **CBC Assembly** and click **Front Plane** , **Fig. 7** and **Fig. 8**.

Step 4. Click Add/Finish Mate  in Mate pop-up toolbar to add a **Coincident** mate.

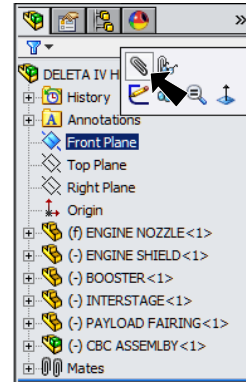


Fig. 6

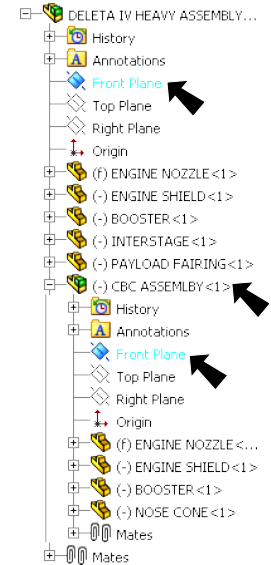


Fig. 7

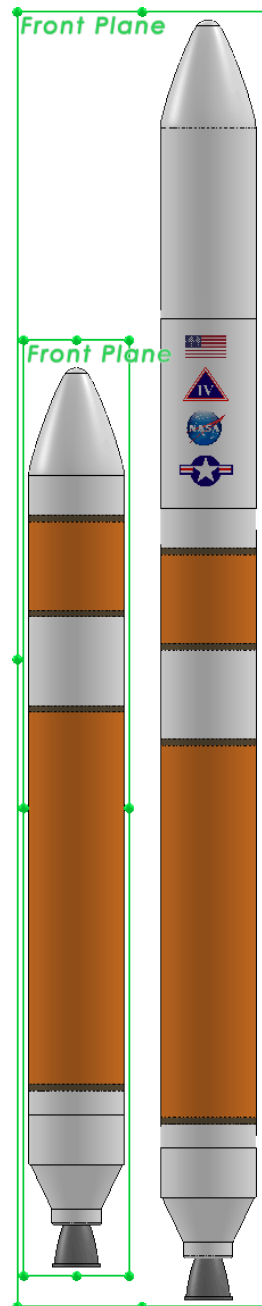


Fig. 8

H. Mate: CBC Assembly Top Planes.

Step 1. Click **Top Plane**  in flyout Feature Manager design tree, expand **CBC Assembly** and click **Top Plane** , **Fig. 9** and **Fig. 10**.

Step 2. Click Add/Finish Mate  in Mate pop-up toolbar to add a **Coincident** mate.

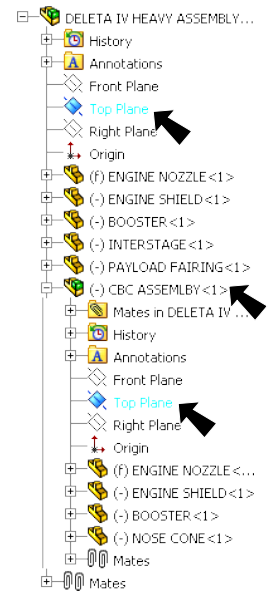


Fig. 9

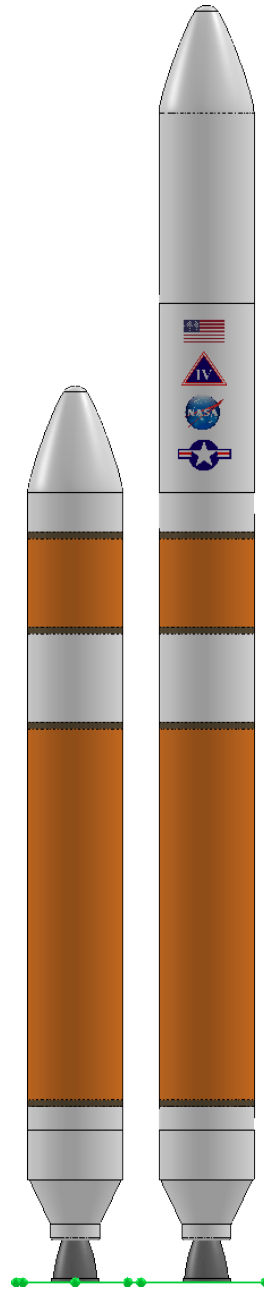





Fig. 10

I. Mate: CBC Assembly Right Planes.

Step 1. Click **Right Plane**  in flyout Feature Manager design tree, expand **CBC Assembly** and click **Right Plane** , **Fig. 11**.

Step 2. Click **Distance**  in Mate pop-up, **Fig. 12**. Set distance to **1.1** and press ENTER. The CBC Assembly should be positioned 1.1 from Center Common Booster Core, **Fig. 13**. If positioned in opposite direction, click **Flip Dimension**  in the Mate pop-up, **Fig. 12**. Click **Add/Finish Mate**  to add Distance mate.

Step 3. Click **OK**  in the Property Manager when done.

Step 4. Save. Use **Ctrl-S**.



Fig. 12

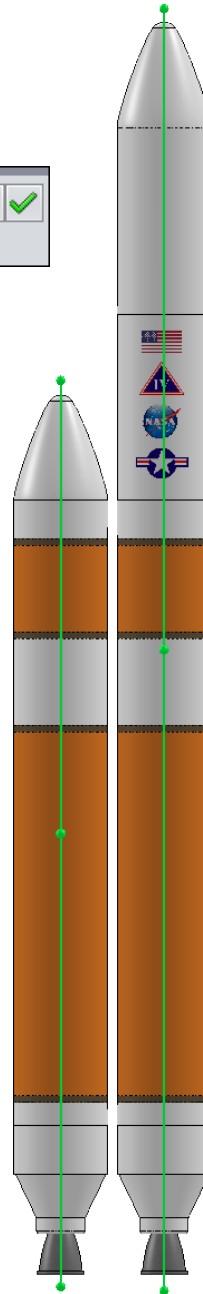


Fig. 13

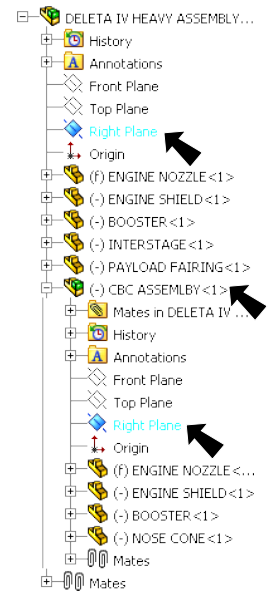



Fig. 11

J. Mirror CBC.

Step 1. **Ctrl click Right Plane**  and **CBC Assembly** in the Feature Manager to select both the Plane and Sub Assembly, **Fig. 14** and **Fig. 15**.

Step 2. Click Insert Menu > Mirror Components.

Step 3. In the Mirror Property Manager click OK , **Fig. 16**.

Step 4. Save. Use **Ctrl-S**.

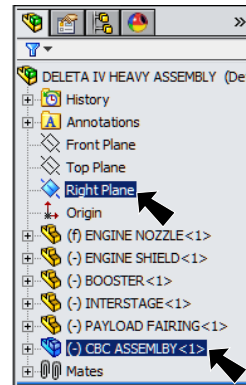


Fig. 14

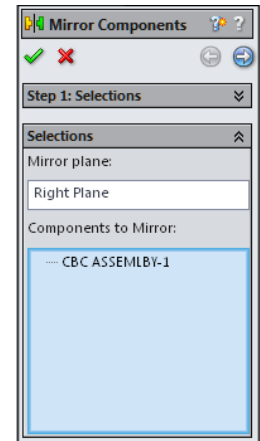


Fig. 16

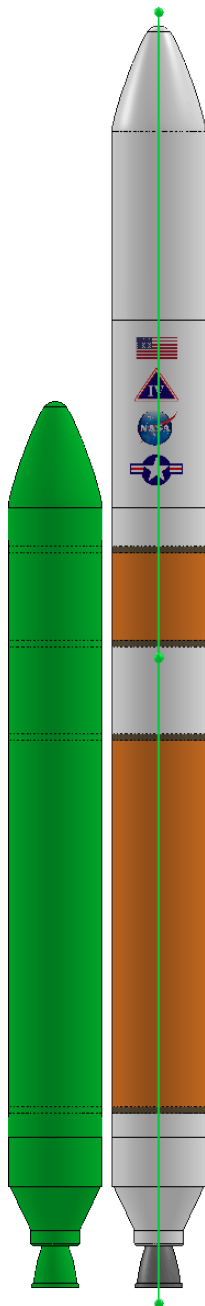


Fig. 15

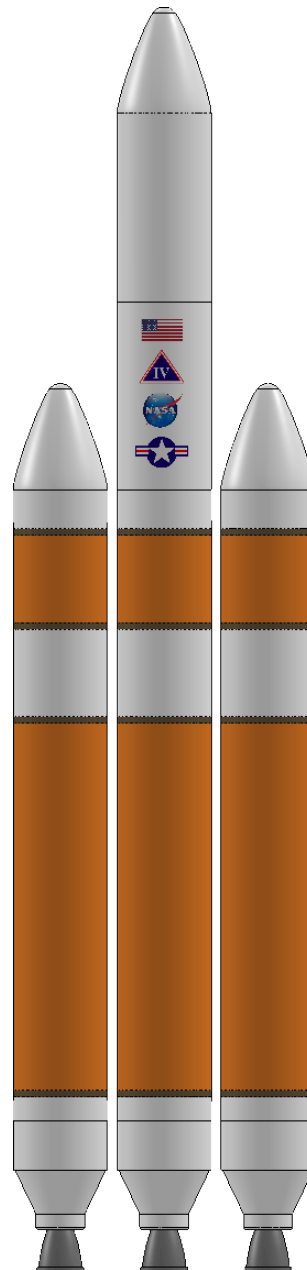


Fig. 17