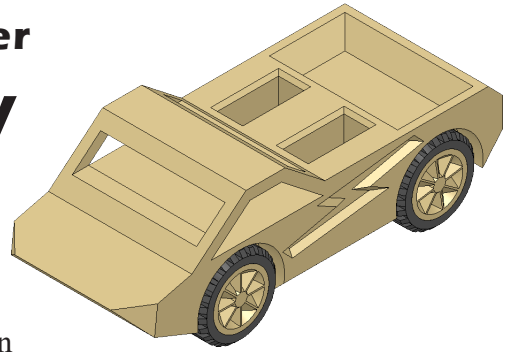


# The Landmaster Assembly





## A. Insert Body and Wheel.

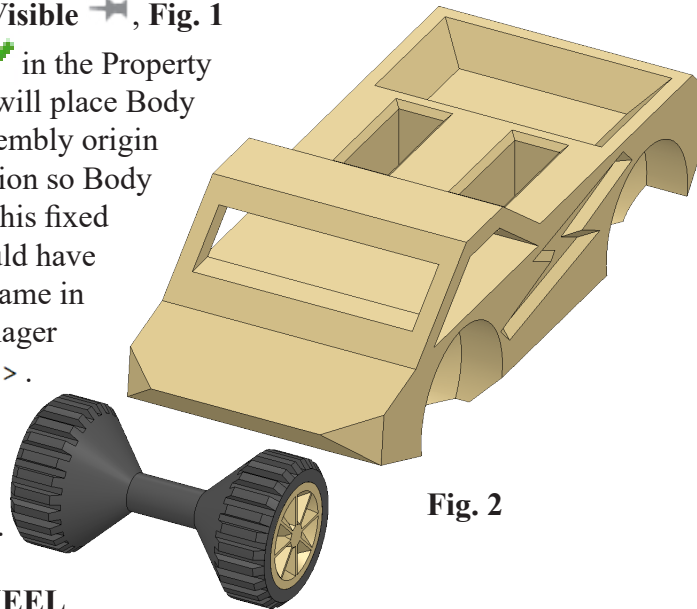
Step 1. Click File Menu > New, click **Assembly Metric** and OK.

Step 2. Select your **BODY** file and click Open from the Open dialog box.

Step 3. In the Begin Assembly Property Manager set:

click **Keep Visible** , **Fig. 1**

Click OK  in the Property Manager. This will place Body origin at the assembly origin and fix the position so Body cannot move. This fixed component should have a **(f)** before its name in the Feature Manager  
 ▶  (f) BODY<1> .



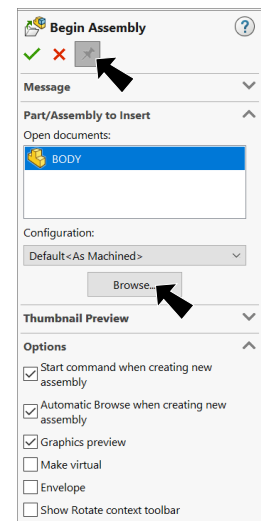
**Fig. 2**

Step 4. Click **Browse** in the Property Manager, **Fig. 1**.

Step 5. Select your **WHEEL** file and click Open.

Step 6. Click approximately where Wheel is positioned in **Fig. 2**.

Step 7. Click OK  in the Property Manager when done.



**Fig. 1**



## B. Save as "LANDMASTER ASSEMBLY".

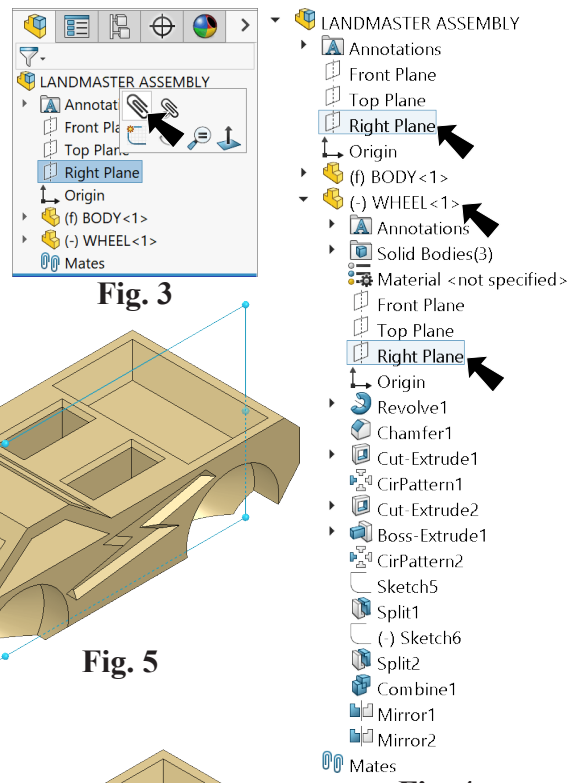
Step 1. Click File Menu > Save As.

Step 2. Key-in **LANDMASTER ASSEMBLY** for the filename and press ENTER.


### C. Mate: Wheel.

Step 1. Click **Isometric**  on the Standard Views toolbar. (Ctrl-7)

Step 2. Click **Right Plane**  in the Feature Manager and **Mate**  on the context toolbar, **Fig. 3**.

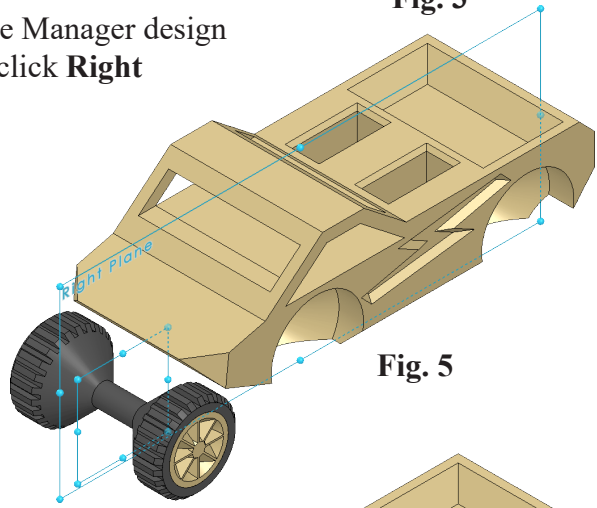


**Fig. 3**


Step 3. Expand the flyout Feature Manager design tree, expand **Wheel** and click **Right Plane** , **Fig. 4**.

Step 4. Click Add/Finish Mate  to add a **Coincident** mate.

Step 5. Click **cylindrical face of front Wheel hole in Body** and a **cylindrical face of Wheel**, **Fig. 5**.

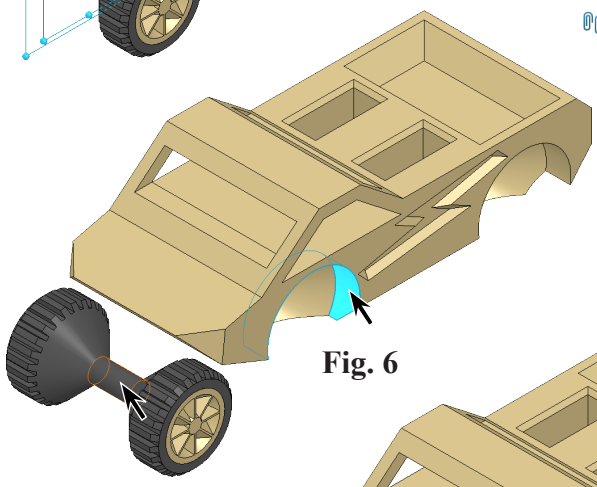


**Fig. 5**

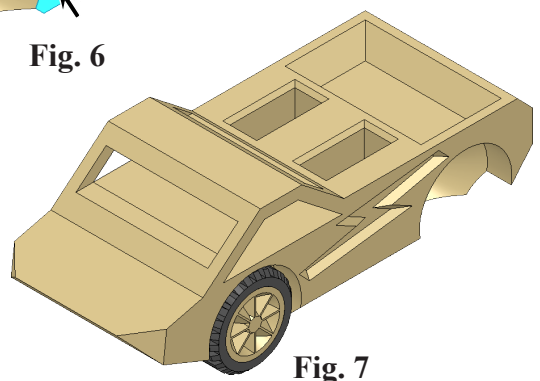
Step 6. Click Add/Finish Mate  to add a **Concentric** mate.

Step 7. Click OK  in the Property Manager.

Step 8. Save  (Ctrl-S).



**Fig. 6**



**Fig. 7**

## D. Copy with Mates Wheel.

Step 1. **Right click Wheel** in the Feature Manager and click **Copy with Mates** on menu, **Fig. 8**.

Step 2. In the Copy with Mates Property Manager:

Step 1: Select Component, **Fig. 9**

Preselected

click Next 

Step 3. Still in Copy with Mates Property Manager:

Step 2: Mates, **Fig. 10**

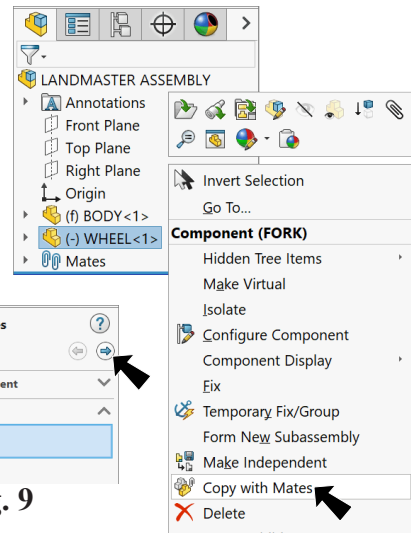
under Mates

Coincident1 check **Repeat**

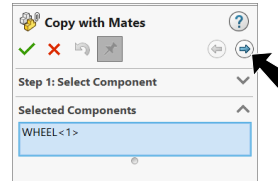
Concentric1 click **cylindrical face of rear Wheel hole**, **Fig. 11**

click OK  and click Cancel .

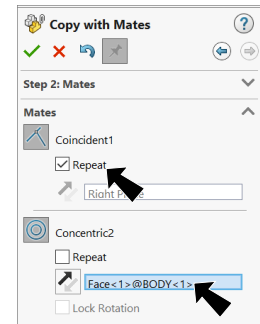
Step 4. Save  (Ctrl-S).



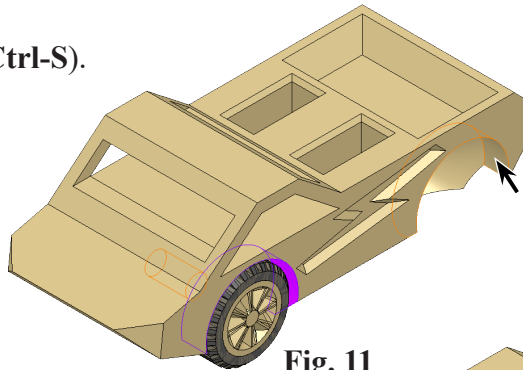
**Fig. 8**



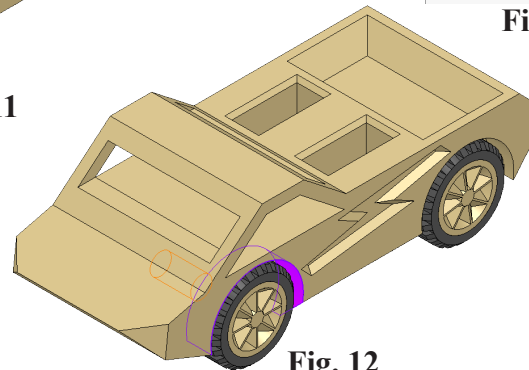
**Fig. 9**



**Fig. 10**



**Fig. 11**



**Fig. 12**