

A. Insert Side, Top and Isometric Views.

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

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

Step 3. Select your **E-CAR ASSEMBLY** file and click Open.

Step 4. In the Model View Property Manager:
under Orientation, **Fig. 1**

click **Right**



check **Preview**

under Scale

select **Use custom scale** and set scale to **1:1**.

Step 5. Move the cursor into the graphic area and click to place the right side view as shown in **Fig. 2**. Align the left edge of the preview with the left border line and align the bottom edge with the top of the title block.

Step 6. **Move the cursor straight up** and click to place the top view as shown in **Fig. 3**. Center the preview between the side view you just placed and the top border line.

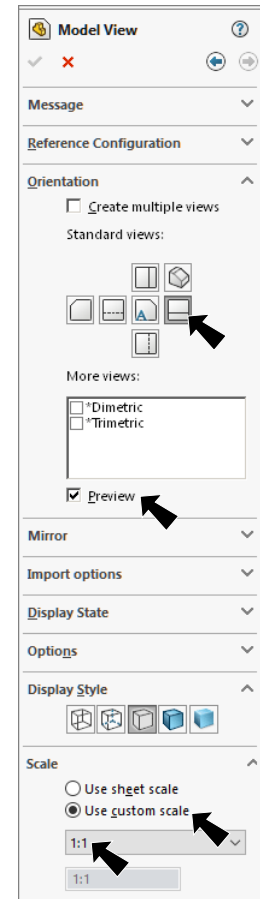


Fig. 1

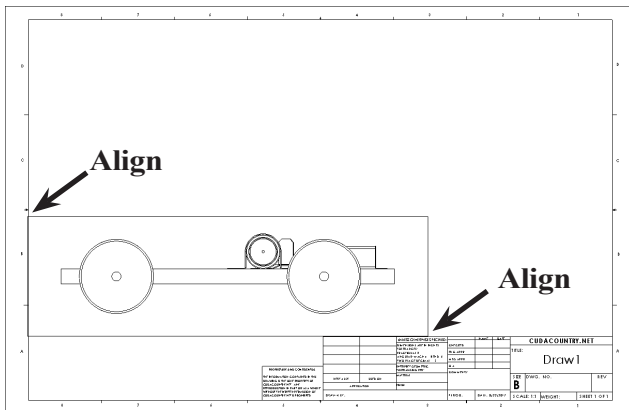


Fig. 2

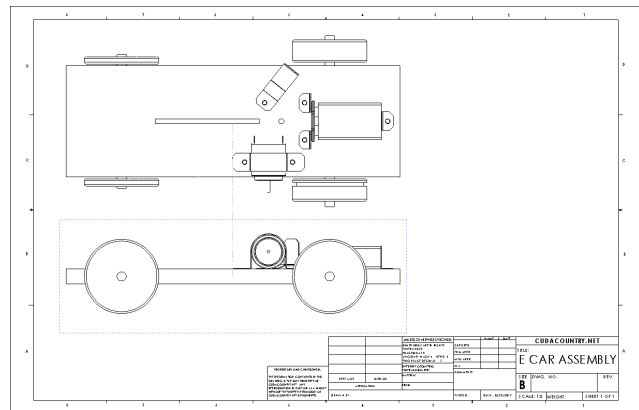


Fig. 3

Step 7. Move the cursor to the top left corner of the drawing and click to place Isometric view, **Fig. 4**.

Step 8. Click OK  in the Property Manager.

Step 9. Click Isometric view to select, **Fig. 4**.

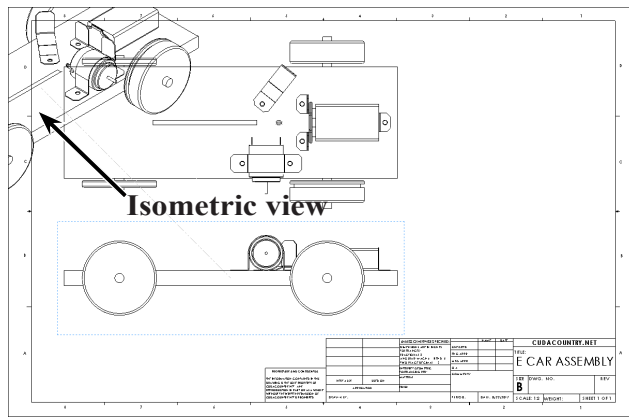


Fig. 4

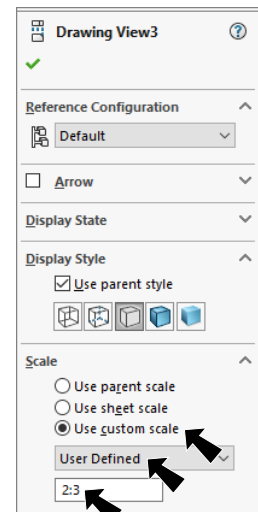



Fig. 5

Step 10. In the Property Manager:
 under Scale, **Fig. 5**
 select **Use custom scale**
 select **User Defined**
 key-in **2:3** for scale
 click OK .

Step 11. Grab any geometry of the Isometric view and move view to space right of Side and Top views, **Fig. 6**.

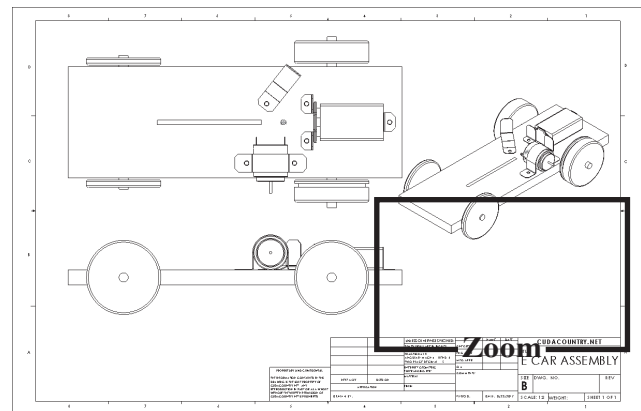


Fig. 6

B. Save as "E CAR".

Step 1. Click File Menu > Save As.

Step 2. Key-in **E CAR** for the filename and press ENTER.

C. Insert L-Bracket Flatten View.

Step 1. Zoom in on **bottom right corner of the drawing**, **Fig. 6**. To zoom, place the cursor over the bottom right corner and spin the wheel on mouse back.

Step 2. Click **Options**  on the Standard toolbar.

Step 3. In the Documents Properties dialog box:
 click **Documents** tab at top, **Fig. 7**
 click **Sheet Metal** in left panel,
 under Bend notes,
 uncheck **Display sheet metal bend notes**
 and click OK.

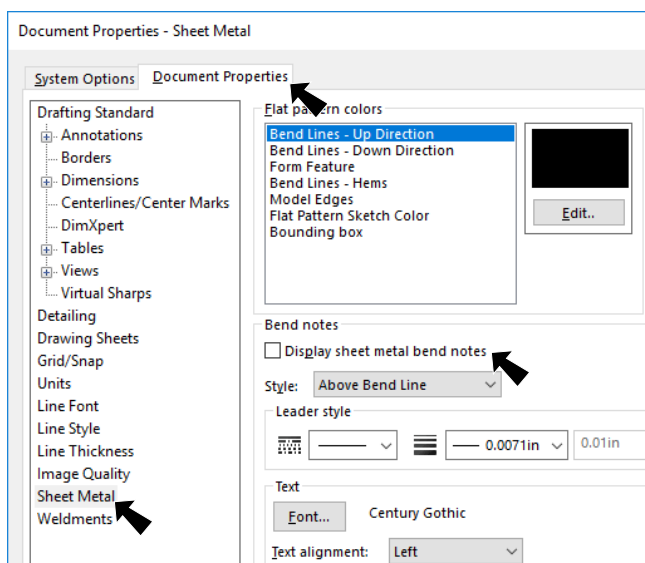
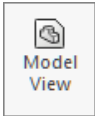



Fig. 7

- Step 4. Click **Model View**  on the View Layout toolbar.
- Step 5. Click **Browse** in the Property Manager.
- Step 6. Select your **L-BRACKET** file and click Open.
- Step 7. In the Model View Property Manager:
 under Orientation More Views,
Fig. 8
 check **Flat Pattern**
 check **Preview**
 under Flat Pattern Display
 Angle  **90°**
 under Scale
Scale 1:1
- Step 8. Move the cursor into the graphic area and click to place the L-Bracket flat pattern view as shown in **Fig. 9**.

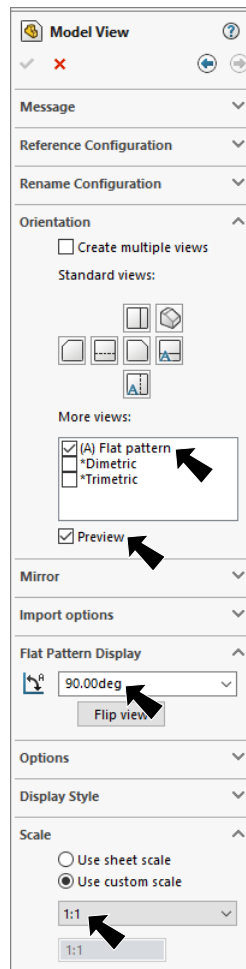


Fig. 8

- Step 9. Click OK  in the Property Manager.

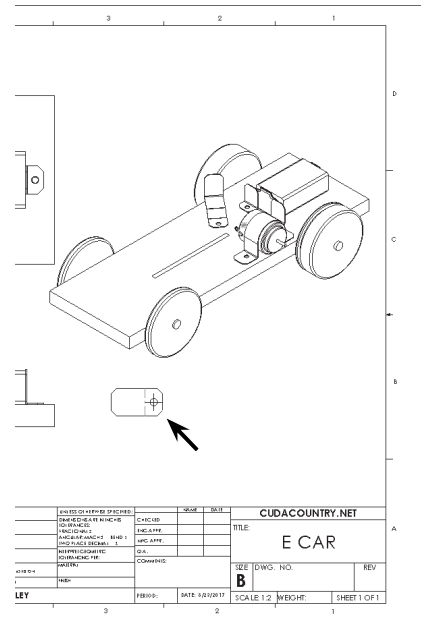




Fig. 9

D. Insert Switch Flatten View.

- Step 1. Click **Model View**  on the View Layout toolbar.
- Step 2. Click **Browse** in the Property Manager.
- Step 3. Select your **SWITCH** file and click Open.
- Step 4. In the Model View Property Manager:
 under Orientation More Views, **Fig. 8**
 check **Flat Pattern**
 check **Preview**
 under Flat Pattern Display
 Angle  **90°**
 under Scale
Scale 1:1

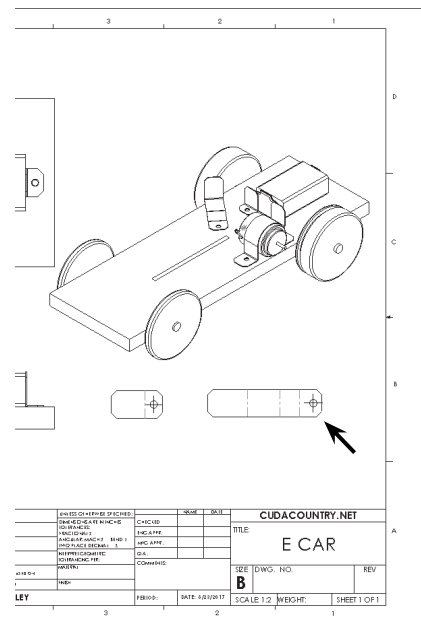

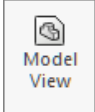


Fig. 10

- Step 5. Move the cursor into the graphic area and click to place the Switch flat pattern view as shown in **Fig. 10**. Click OK  in the Property Manager.

E. Insert Motor Mount Flatten View.

Step 1. Click **Model View**  on the View Layout toolbar.

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

Step 3. Select your **MOTOR MOUNT** file and click Open.

Step 4. In the Model View Property Manager:
under Orientation More Views, **Fig. 11**

check **Flat Pattern**

check **Preview**

under Flat Pattern Display

Angle  0°

under Scale

Scale **1:1**

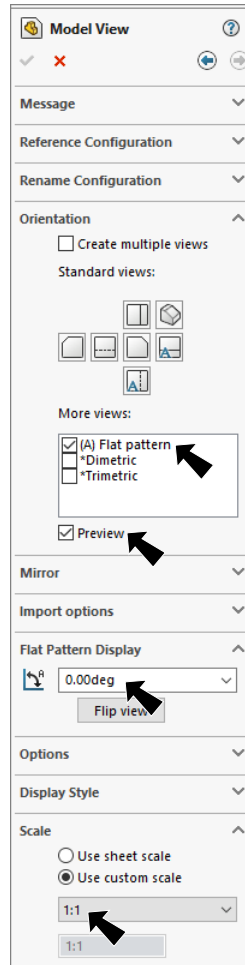


Fig. 11

Step 5. Move the cursor into the graphic area and click to place the motor mount flat pattern view as shown in **Fig. 12**.

Step 6. Click OK  in the Property Manager.

Step 7. Save. Use **Ctrl-S**.

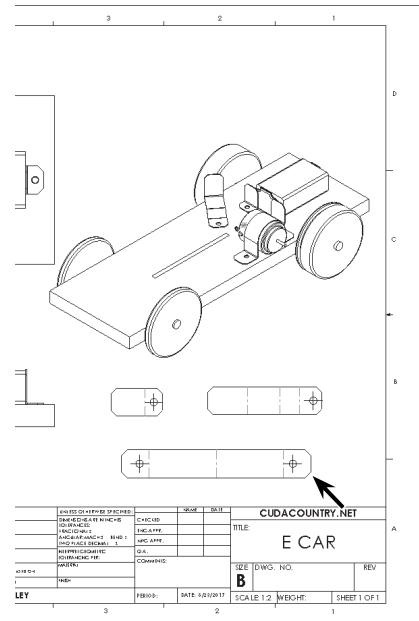



Fig. 12

F. Add Sheet Metal Notes.

Step 1. Click **Annotation**  on the Command Manager toolbar.

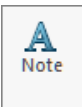
Step 2. Click **Note**  on the Annotation toolbar.

Step 3. In the Note Property Manger:
under Leader, **Fig. 13**



select **NO Leader** 
click just above L-Bracket to place the note

lock the caps key-in:
L-BRACKET - MAKE 3,
Fig. 14

click OK  in Property
Manager.

Step 4. Click **Note**  on the Annotation
toolbar.

Step 5. In the Note Property Manger:
under Leader, **Fig. 14**

select **NO Leader** 
click just above Switch to place the note
lock the caps and key-in **SWITCH, Fig. 15**
click OK  in Property Manager.

Step 6. Repeat and place note above **MOTOR MOUNT** flatten
pattern, **Fig. 16**.

Step 7. Save. Use **Ctrl-S**.

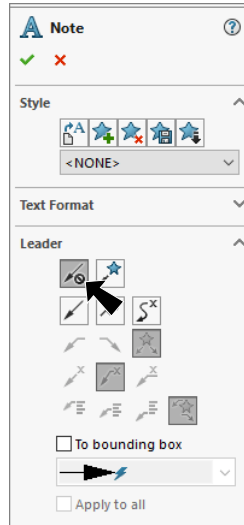


Fig. 13

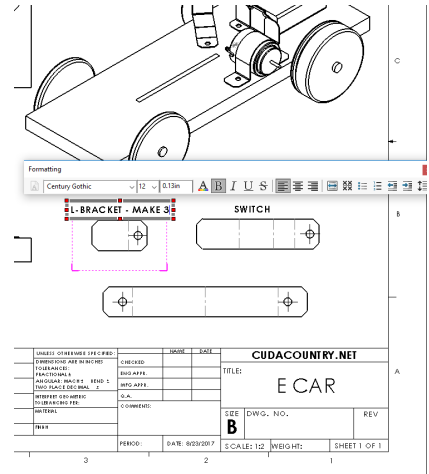


Fig. 14

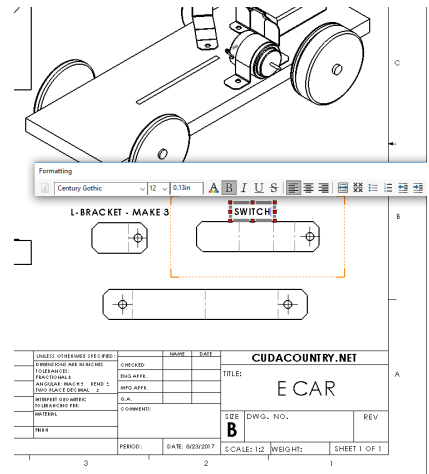


Fig. 15

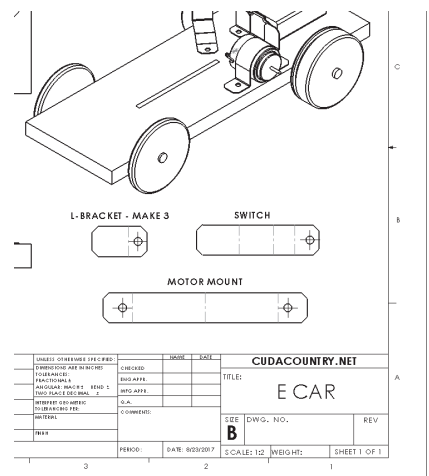


Fig. 16

G. Add Your Name and Period to Title Block.

Step 1. Zoom in on **DRAWN BY** and **PERIOD** in the title block, **Fig. 17**. To zoom, place the cursor over the title block in the bottom right corner of drawing and spin the wheel on mouse back.

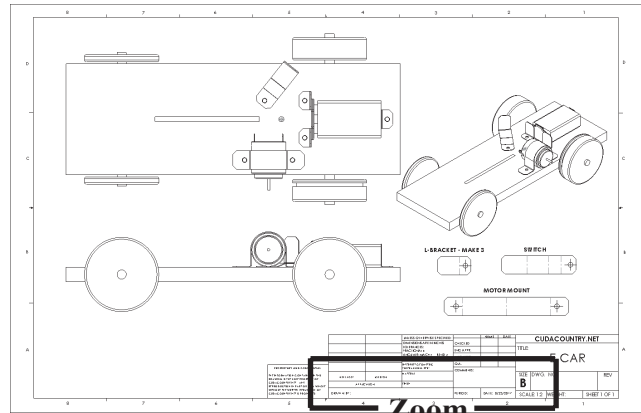
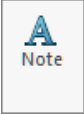


Fig. 17

Step 2. Click **Note**  on the Annotation toolbar.

Step 3. Click just to the right of **DRAWN BY**:, **Fig. 18**.

Step 4. Lock the Caps and key-in **your first and last names**, **Fig. 18**.

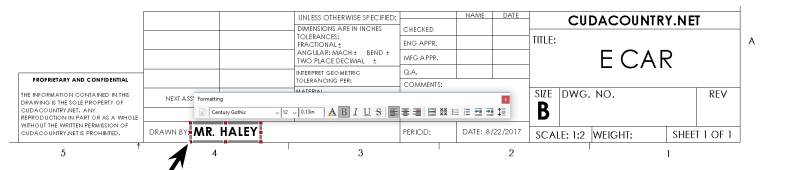


Fig. 18

Step 5. Click **OK**  in the Property Manager.

Step 6. Click **Note**  on the Annotation toolbar.

Step 7. Click just to the right of **PERIOD**:, key-in **your Period number**, **Fig. 19**.

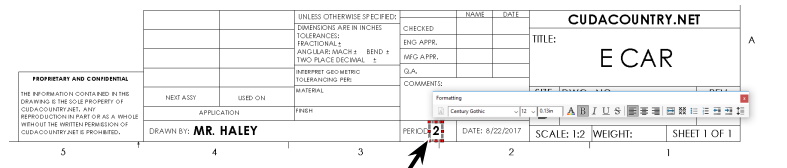


Fig. 19

Step 8. Click **OK**  in the Property Manager.

Step 9. Save. Use **Ctrl-S**.