2 - Side Pods

Written By: REA

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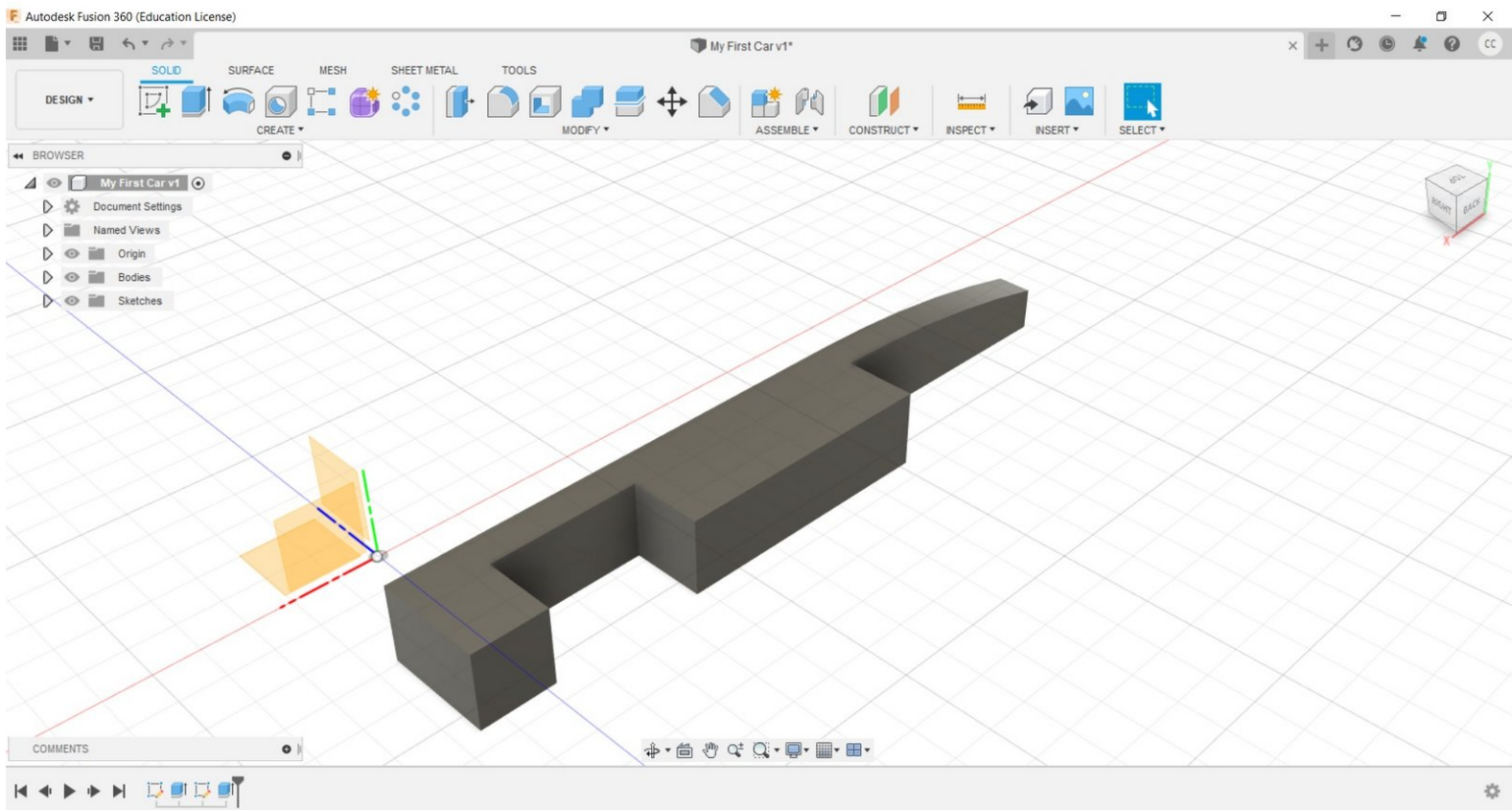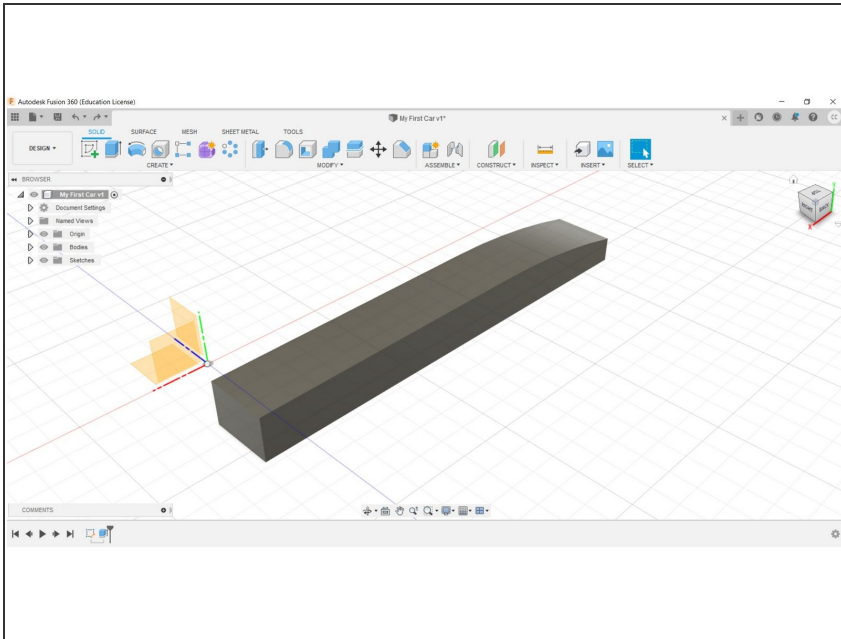Page 1 of 7

INTRODUCTION

Welcome

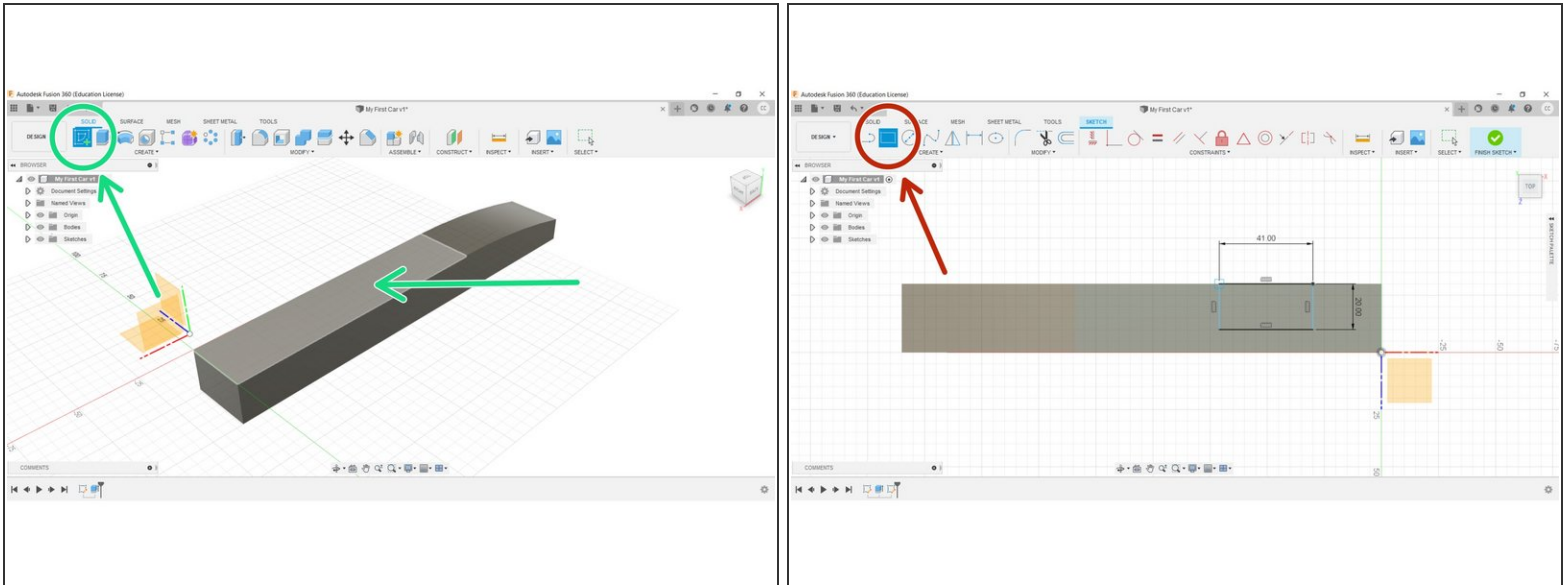In this guide, you will create the side pods and wheel housings.

Fusion 360

This document may be used in conjunction with the .avi library available to you.

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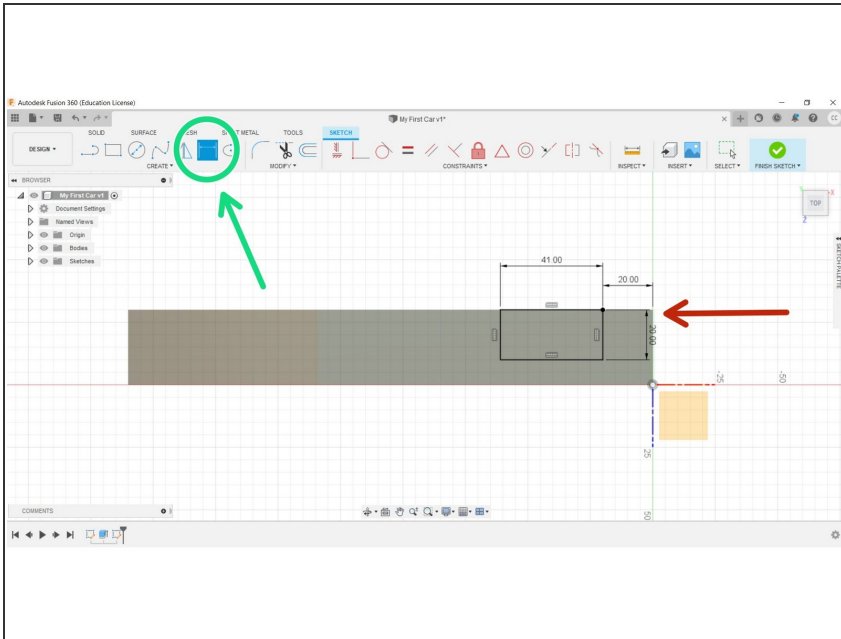Page 2 of 7

Step 1 — Welcome

- Welcome. You should now have a 3D model like the one shown.

- To create the Side Pods, and Wheel Housings, we need to complete some geometry on the Top of our model – the Planar Surface, not the origin.

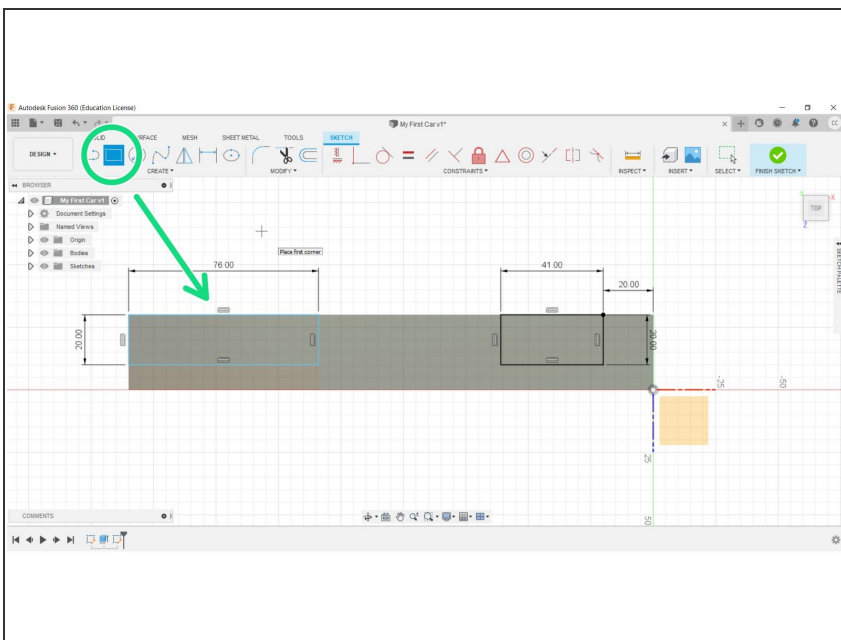This document was generated on 2022-05-10 05:52:09 PM (MST).

Step 2

- Start a New Sketch, and select the top of your model (the Planar Surface).

- Select the rectangle tool, and create a rectangular shape, 41mm on the Z-axis, 20mm on the Y-axis.

  ⓘ Notice that your model has been rotated, this is normal.

  ⚠ If your model is rotated differently to the picture, use the Navigation Cube in the top right corner to re-orient it.

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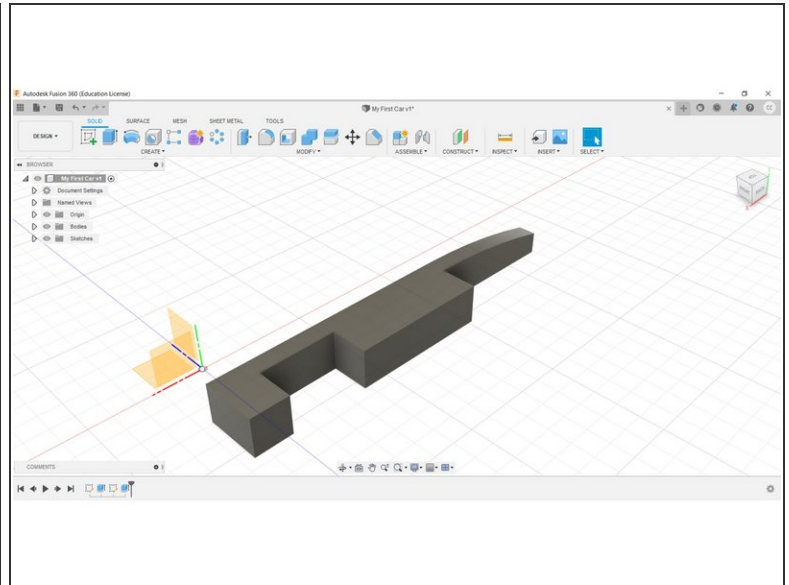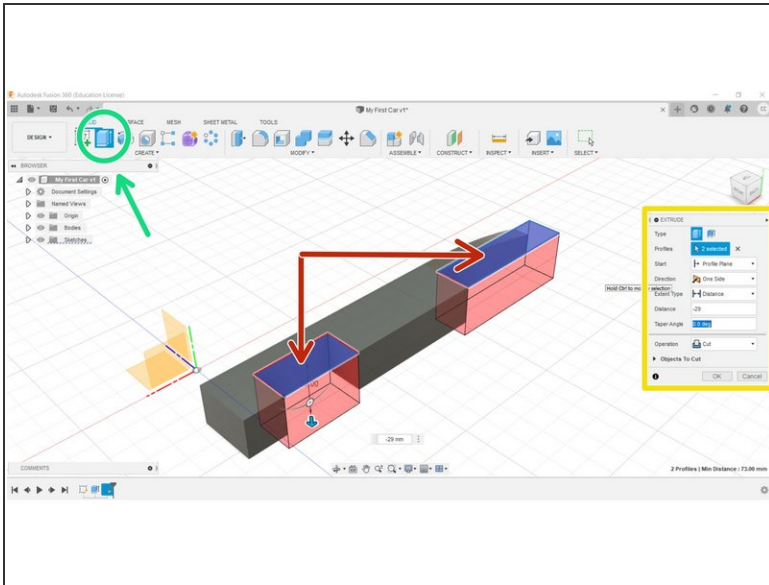© 2022 | learning.rea.org.au/ | Page 4 of 7

Step 3

- Select Sketch Dimension in the top ribbon.

- Select the origin end and the closest line to the origin, and set this distance to 20mm, as per the diagrams.
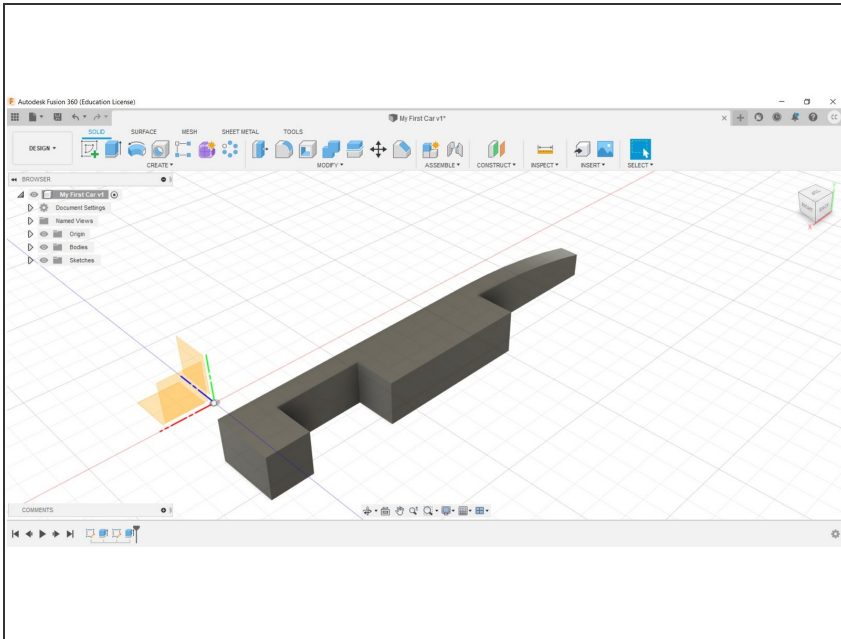
Step 4

- Create another rectangle, this time from the left-hand end of your model, with sizes 76mm on the Z-axis and 20mm on the Y-axis

- (i) Once completed, you may now click Finish Sketch.

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Step 5 — Pocketing

- Select Extrude from the Create menu.

- Hold the Shift key down while selecting both rectangles.

⚠️ Make certain that Cut is selected in the dialogue box, as per the image.

ⓘ This will be illustrated by the red zones that appear.

- Select OK and Extrude to a depth of -29mm.

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Step 6 — Finished

- Congratulations, you have now completed the Side Pods and Wheel Housings.

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Page 7 of 7