



Segway i2 Inner Tube Replacement

Replace the inner tube of a Segway i2.

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INTRODUCTION

Segway tires are thick and designed specifically for maneuverability. These tires are tedious to replace, but will save a great deal of money by being restored rather than re-bought. The tools needed will be three flat head screwdrivers, a large persuasion bar, and a clamp. There is a slight injury warning, however, to combat this, the user might need multiple people for assistance.

TOOLS:

- [Flathead Screwdriver](#) (3)
- [C-Clamp](#) (1)

Step 1 — Inner Tube



- After the tire has been removed from the Segway body **put the tire on a strong, level surface**

Step 2



- **Use the clamp to squeeze the rubber of the tire until the tire pops off of the rim. Repeat this process until the whole tire is popped off of the rim.**

Step 3



- **Use your hands to squish the tire all the way around the sides to make sure the tire is off the Segway rim completely.**

Step 4



- (a) Now that the tire is popped off of the rim, **use the persuasion bar to get under the rubber of the tire and put it over the rim.** (b) When you pull the rubber of the tire over the rim be sure to push the persuasion bar towards the opposite side of the tire.

i If the rubber is not going over the rim, verify that steps 2 and 3 have been completed and the tire is completely popped off of the rim.

Step 5



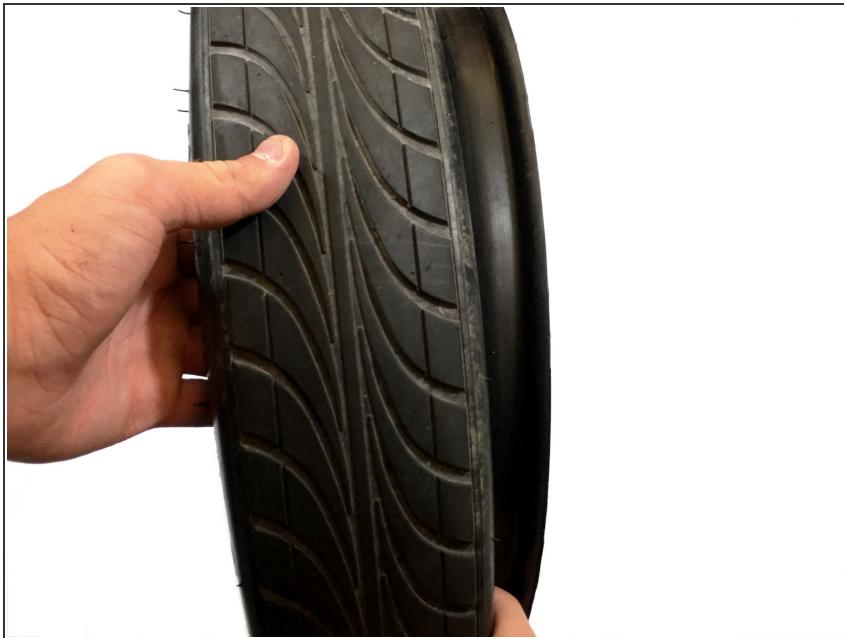
- Using the flathead screwdriver, **wedge it between the rubber and the rim** to prevent the tire from returning to its original position.

Step 6



- **Continue pulling the rubber over the rim** until the edge of the rubber is visible all the way around the tire.

Step 7



- Push on the outer face of the tire to **cause the tire to pop out of place**.

i **Do not remove the rim from the tire**, just make sure that the rim can be pulled far enough so the inner tube can be pulled out and replaced.

Step 8



- **Pull out the inner tube** as you rotate tire. The inner tube should be fully pulled out of the tire by the time you finish this step.

i Make sure the rim and the rubber of the tire are not separated from each other when you start to replace the inner tube of the tire.

Step 9



- **Push the nub of the inner tube out of the rim of the tire through the hole it was already in.**
- ***i*** Make sure there is no cap on the valve stem when you remove the inner tube from the tire.

Step 10



- Take the new inner tube for the Segway and **make sure it's deflated** and is the right model number for your Segway.

Step 11



- When you are sure you have the correct inner tube, **take the nub of the new inner tube and put it back into the hole** of the rim that the old inner tube nub was removed from previously.

Step 12



- Wrap the new inner tube** around the rim.

Step 13



- **Tuck the inner tube inside the tire** by using a rolling motion with your hand.

i Verify that you cannot see any of the inner tube before proceeding.

Step 14



- Use the persuasion bar to **begin pulling the rubber back over the rim of the tire**. When you pull the rubber back over the tire, push the persuasion bar away from you and towards the other side of the tire to put the rubber of the tire back onto the rim.

 When you put the tire back on, be sure that the tire is loose on the rim so that the rubber will be able to be

on the entire tire by the time you finish the step.

Step 15



- Make sure the tire isn't all the way on the rim, otherwise the last quarter of the tire will be almost impossible to pry back into place. To make sure the tire is not on the rim, **repeat what was done in step three** when the tire was squished off of the rim.

Step 16



- Once the inner tube has been completely seated again, then you can inflate the inner tube and will successfully have a replaced inner tube in your Segway tire.

The tire is essential to the function of the Segway and should be maintained in order to maximize the functionality and experience of the Segway. The Segway Company is known for its reliability and the enjoyable experience. That being said, this guide will provide a reliable way to ensure the safety and experience of the Segway by repairing the most important parts of the Segway: its two tires. It is critical that they are fixed and maintained. Through this guide we will show the reader how to fix their Segway i2 tire to provide a guide to a simple fix that will be much more cost effective than buying a whole new tire.