

## Odyssey Elementary Stem Installation



### Tools Needed

- Grease
- Allen Wrenches
- Open/Closed end wrench
- Adjustable wrench

Note: Tools needed will vary depending on the style of headset compression cap and bolt being used.

### Removing the Handlebars

- Loosen and remove the clamping bolts holding the face plate on the top or front of the stem.
- Remove the handlebars.



### Removing the old stem

- Loosen the pinch bolts that are holding the stem tight but do not remove them.

*These instructions are to be used as a guide only. Improperly installed parts may lead to severe injury or harm. We strongly recommend that a properly trained bike mechanic handle all installations, adjustments and repairs on your bike. As always...Ride Safe!*

- Loosen and remove the headset compression bolt and cap.

*Note: Headset compression bolts and caps vary. Some styles require an allen wrench, some require a ratchet and some require a closed/open end wrench or an adjustable wrench.*



- Slide the old stem upwards to remove it from the fork steerer tube.

**Lightly grease the contact areas marked with arrows.**

1. Lock bolt and washer
2. Handlebar wedge
3. Lock bolt wedge
4. Threaded wedge
5. Steerer tube wedge

For this installation, we are using the Odyssey Elementary V3.

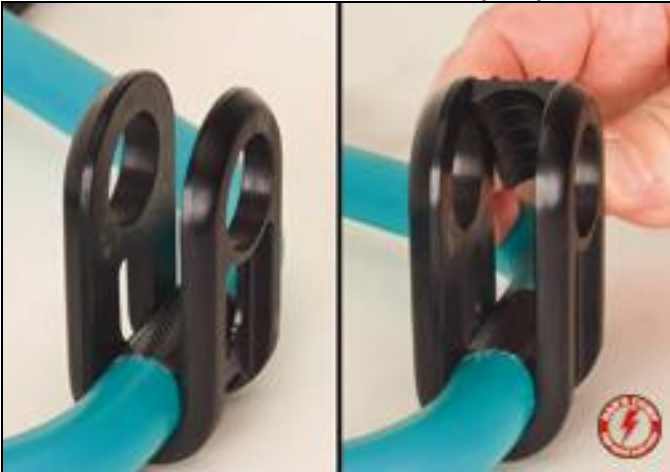


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### Installing the Wedges

- Slide the handlebar into the stem body.
- With the curved surface facing down, slide the handlebar wedge into the stem body and place it on the handlebars.



- Thread the lock bolt into the threaded wedge.
- With the grooved surfaces facing up and down, slide the wedges into the stem body and place it on top of the handlebar wedge. It does not matter which side the lock bolt is on.
- With the curved surface facing up, slide the steerer tube wedge into the stem body and place it on the wedges.



### Installing the new stem

- Slide the stem down onto the fork steerer tube. You may need to loosen the lock bolt to allow the stem to slide all of the way down.

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### Add or remove headset spacers

- Line up the stem along side of the steerer tube.
- You should have approximately 1/4 of an inch from the top of the fork steerer tube and the top of the stem opening.
- If you have more than a 1/4 of an inch, if possible, remove one or more of the extra headset spacers.
- If you have less than a 1/4 of an inch, add one or more headset spacers.

*Note: Headset spacers come in various sizes.*



### Installing the compression bolt/cap

- Thread the headset compression bolt and cap back into the top of the fork steerer tube.
- Tighten the compression bolt so that the headset cap makes contact with the top of the stem.

### Adjusting the headset

- Spin the forks and stem to determine how much the headset needs to be adjusted.
- If the headset has play in it, you'll need to tighten the compression bolt/cap. If the headset is too hard to spin, you'll need to loosen the compression bolt/cap. You may need to spin them a few times until you have it adjusted.
- Slightly tighten the pinch bolts but do not fully tighten them yet.

*Note: Do not over-tighten the compression bolt/cap! You can damage the fork and/or the headset bearings.*



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### Aligning the Stem

- Looking down over the handlebars and stem, align the stem with the front tire. The stem should be parallel to the tire.
- Use the knurling (the rough area) on the handlebars to help center them in the stem.
- Slightly tighten the lock bolt.

### Aligning the Handlebars

- Looking from the side of the bike, align the handlebars with the forks. The handlebars should be parallel with the fork legs.
- Fully tighten the lock bolt.



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