Scooter Service & Support

Rev Maintenance & Service

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Tire & Tube Replacement

Difficulty Rating: 2

Estimated Time: 30–60 minutes

Tools you will need:

- 21mm open-end wrench, or 8–10" adjustable crescent wrench
- 4mm hex key
- 3mm hex key

If you are working on the rear wheel, avoid touching the brake rotor during the entire process. If you accidentally touch the brake rotor, it can be cleaned with isopropyl alcohol.

1. Let all of the air out of the tire by pressing the needle inside the valve stem with anything small, such as a 4mm hex key, while simultaneously putting pressure on the tire in order to squeeze as much air out of the tire as possible.

2. On the left-hand side of the scooter, you will find a plastic cap protecting the motor cable on both the front and rear wheels. In order to remove a wheel, you will need to first remove this cap, which can be accomplished using a 3mm hex key.

3. Remove the rear wheel from the scooter in two steps. First, loosen the axle nuts on both sides with a 21mm open-end wrench or 8–10" adjustable crescent wrench. Do not fully remove the nuts.

4. Next, while supporting the wheel, slide the two washers away from the wheel. The wheel should now slide down, out of the fork.

5. Remove the tire retention ring from the side opposite the motor cable by removing the seven screws and washers on the side of the wheel using your 4mm hex key. Keep the seven screws and washers in a safe place as they will be needed when reassembling your wheel. Note that the small washers can sometimes remain stuck in the screw hole but should be easy to remove and keep with the associated screw. The tire retention ring can now be lifted off of the wheel.

6. To remove the tire and innertube, push the valve stem all the way up and out of the rim. If you are having trouble getting the valve stem all the way out of the rim, try to remove more air from the innertube by pressing the pin inside of the valve stem while squeezing the tire.

7. Now slide the tire off the rim. If you are having trouble removing the tire, check to ensure that the valve stem is not at all extending through the slot in the rim.

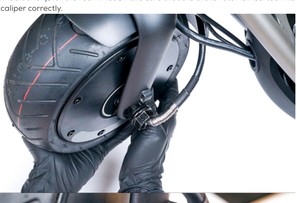
8. If you are replacing the innertube due to a puncture, thoroughly inspect the inside of the tire to ensure that it is clear of all dirt, debris, or other sharp objects.
9. Place your new innertube inside of the tire. Ensure that the direction of rotation indicated on the tire matches the direction of rotation on the wheel and that the valve stem is exiting on the correct side.

10. As you slide the tire back onto the rim, feed the valve stem through the slot in the rim making sure that the bend in the valve stem allows it to extend away from the wheel. Check that the tube is not being pinched under either tire bead.

11. Re-installation can now be completed by reversing steps and washers from step 6. The

11. Re-install the tire retention ring with the seven screws and washers from step 6. The notch in the ring lines up with the opening for the valve stem. Follow a star-shaped pattern when installing the screws. Tighten all screws a little at a time, going back over the same star pattern a second time to finish tightening all screws evenly.

12. Insert your wheel into the fork. Make sure the flat edges of the axle line up with the slot in the fork and that the cable is exiting the axle in the correct direction (UP on the front wheel, and FORWARD on the rear wheel). Separate the washers on both sides of the wheel, and begin sliding the wheel into the fork. Make sure, on each side of the wheel, that one washer goes on the inside of the fork, and the other stays on the outside. **If you are working on the front wheel, the slot with the motor cable should face upward. If you are working on the rear wheel, the slot with the motor cable will face the front of the scooter. Incorrect routing of the cable may cause damage, requiring replacement of the motor.** Additionally, for the rear wheel, make sure that the brake rotor is inserted into the brake caliper correctly.



13. Once the wheel is completely seated in the fork, slide the outside washers into the indentation on the fork in order to lock the wheel in place.

14. Now tighten the nuts on either side of the axle using your 21mm open-end wrench. Make these as tight as possible.

15. Use a 3mm hex key to reinstall the nut and bolt to hold the motor cable cap in place on the left side of the scooter. The bolt should be inserted through the tab on the side of the fork.

16. Use the valve extender to re-inflate the tire with a bike pump, and you're done.

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