



Aqua-Cycle International, Inc.

Ride a Tricycle on Water

REAR WHEEL REPLACEMENT KIT for all models

This replacement kit is for one Aqua-Cycle rear wheel and contains:

- 1 rear wheel
- 1 hub with flat center surface
- 1 hub with four stubs in center

Depending upon the age of your Aqua-Cycle, this wheel may not match the exact color or finish of your existing wheels, but it is the replacement for all models, AC3, AC4 and AC5. The mounting is the same for all Aqua-Cycle models.

Stainless Steel: Use only stainless steel bolts, nuts and washers to hold the wheel onto the Aqua-Cycle. If you do not have stainless steel parts they can be ordered from our warehouse.

Installation: To replace the rear wheel, first turn the Aqua-Cycle onto its back, so that it is resting on the upper edge of the seat back and on the handlebar. Remove the old rear wheel.

It is best to prepare the four 4" bolts for assembly by putting a small amount of anti-seize compound on the start of the threads. A small amount is sufficient. It will spread around and up the thread as the nut is tightened. Without the anti-seize compound the nut can seize onto the bolt and become unmovable either on or off. This is very important with stainless steel bolts and locking nuts.

Push the hubs into the wheel as far as possible. Carefully align the hub bolt holes with the wheel bolt holes. If the bolt holes in the hubs do not exactly match those in the wheel you can use a pocket or utility knife to expand them slightly so they match.

Lift the rear wheel onto the rear axle. Be sure that the wheel fins are away from the seat (the wheel surface next to the seat should be smooth).

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IMPORTANT!!! Do not over-tighten the bolts! If you tighten them like lug nuts on a car, you will squash the plastic center of the wheel, creating almost invisible cracks in the plastic, which allow water to leak into the wheel. Normal tightening is where the locking nut is threaded just far enough for one or two threads to show beyond the end of the nut. If the wheel seems tight before that point, don't force it tighter. If the wheel bolts or washers are still loose, then tighten the nut just a little more.

If the 4" bolts are not long enough at first to mount the wheel, use standard 5" and 4½" length bolts, two washers, and two hex nuts (not the locking type with nylon inserts) to initially mount the wheel. Tighten a nut on the 5" bolt in one hole and then the 4½" bolt on another hole, pulling the hubs into the center of the wheel far enough so the 4" bolts can be used.

Install two of the 4" bolts into opposite (diagonal) holes with a washer next to the head and the head on the outside part of the wheel. The lock nut (without a washer) should be against the axle mounting plate.

Now install the last two 4" bolts, removing the two temporary bolts (5" and 4½" and hex nuts) if they were used initially.

The wheel plugs (black) provide a way to drain water from the wheels should this be necessary for some reason. The threads are standard ¾" pipe threads (¾"NPT). If you need a replacement, use a standard threaded PVC or brass pipe plug temporarily until you get a replacement. To remove a wheel plug, use the hex head of a machine bolt that matches the hex dimensions of the inset of the plug.

If you have any questions about this installation, please call our office. We are available and glad to talk you through this process.