EDGERIDER™ WHEEL INSTALLATION ON GAMMILL MACHINES

PARTS THAT COME WITH THE KIT

- ❑ 2- sliding hub wheels (remove tape)
- ❑ 6 - fixed hub wheels
- ❑ 8 - thin washers
- ❑ 8 - thick washers
- ❑ 2 - shoulder bolts
- ❑ 4 - Metric/Fine thread 1 inch socket head screws (for older Gammill Machines)
- ❑ 4 - Standard/Course thread 1 inch socket head screws
- ❑ 4- 1-1/4 inch Hex head bolt – (2 for the parking wheels)
- ❑ 2 - Jam Nuts (brass color)
- ❑ 2 - ¼-10 Nuts (silver)

TERMINOLOGY

- ❑ Sliding hub wheel – wheel that comes with tape on the center (remove) that has a sliding center sleeve
- ❑ Fixed hub wheel – wheel where center does not move in out, does not extend beyond bearings

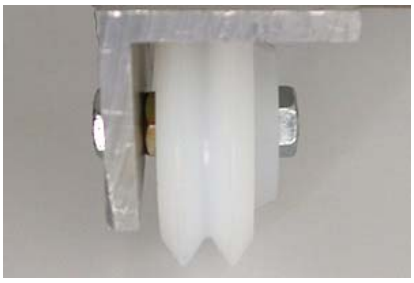
MORE DETAILED INSTRUCIONS AND TROUBLESHOOTING GUIDE CAN BE FOUND ON OUR WEBSITE!
http://edgeriderwheels.com/manuals.php

INSTALLING THE WHEELS ON THE CARRIAGE

Lift the back of the carriage and rest it on a block, or the handle of a larger screwdriver to make the wheel replacement easier.

There are four wheels at the back of the carriage. The two in the middle are the parking wheels. You will replace the two outer wheels.

The alignment of the parking wheels needs to be adjusted by adding one thin and two thick washers between them and the rear bracket. The parking wheels should not touch the tracks when quilting. You may need to change the washer thickness to ensure this (e.g. replacing one thick washer with a thin one, or add another thin washer, etc). In some cases the parking wheels will have to be completely removed. We have included 2 hex head bolts 1½ inch long to accommodate the parking wheels with the additional spacers.



Remove the old wheels, nuts and bolts from the back of the carriage.

Mount the 1-1/4" bolt using the thin, yellow finish jam nut as the picture shows. Tighten the nut so the bolt sits firmly on the bracket.

Install the wheel using the thicker nut as shown on the picture. Tighten the nut, but do not over-tighten, for it may cause drag on the wheel.

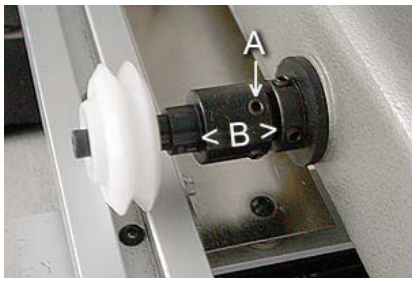
Remove the old wheels and the shoulder bolt from the front of the carriage. Using a new shoulder bolt and a non-sliding hub wheel replace the old wheels.

The wheel should slide in/out freely on the shoulder bolt to compensate for any track misalignment along the table. Check the bottom of the carriage for any bolts that may come in contact with the wheels. If the bolt is too long, and can cause damage to the wheels it will need to be filed down or cut off with a rotary tool.

INSTALLING THE WHEELS ON THE MACHINE

Install two wheels on the channel lock side using the same washers that were used on the original machine wheels. However, you will need to use the longer bolts included in your kit. There are fine and coarse thread bolts, use the kind that matches the threads on the existing bolts. Simply remove the old ones and put on the new wheels and bolts, making sure that the hubs are positioned on the outside.

Remove the tape from the sliding hub wheels and install them on the other side of the machine. Check if there is enough clearance for the wheel to slide in/out while compensating for possible misalignment of the tracks. If there is not enough clearance, add/remove washers at the channel lock side.

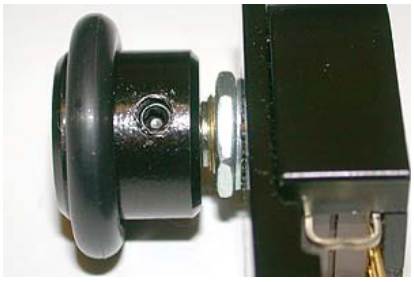


The leveling half-axles on the front can move in/out during the leveling process. Sometimes they are positioned so far out that, even without washers, the EdgeRider™ wheels cannot be aligned properly. If this is the case, loosen up the screws ("A") securing the half-axles ("B"). Move the arm back and forth, so the wheels find their optimum position. You can help this by pushing the half-axles in/out. Tighten the ("A") screws after the wheels were properly aligned.

You may need to realign the channel lock after installing the new wheels on the arm.

FOR GAMMILL PLUS MACHINE OWNERS

On the Plus machines the sensor wheels are running on the top of the machine's wheels. The EdgeRider™ wheels provide excellent supports for the rubber rings on the sensors, but only if the sensors are properly aligned. **You can change the alignment of the sensor wheels in two ways:**



The wheel can be moved in/out:

- loosen the setscrew on the wheel, using a 5/64" Allen wrench
- move the wheel in/out until it sits in the middle of the groove of the EdgeRider™ wheel
- tighten the setscrew

The whole bracket can be moved in/out:

- loosen the setscrews on both shaft collars, using a 3/32" Allen wrench
- move the bracket in/out until the sensor wheel sits in the middle of the groove of the EdgeRider™ wheel
- while maintaining the bracket position, pull the shaft collars tightly to the ball bearing
- tighten the setscrews

Move the machine and check if the sensor wheels run smoothly, without causing any drag. Realign the sensors if necessary.