

Quick Release



User's manuals in other languages are available at :
<http://si.shimano.com>

IMPORTANT NOTICE

- Contact the place of purchase or a bicycle dealer for information on installation and adjustment of the products which are not found in the user's manual. A dealer's manual for professional and experienced bicycle mechanics is available on our website (<http://si.shimano.com>).
- Do not disassemble or alter this product.

For safety, be sure to read this user's manual thoroughly before use, and follow it for correct use.

Important Safety Information

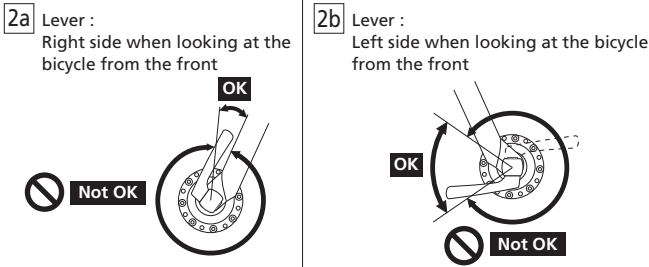
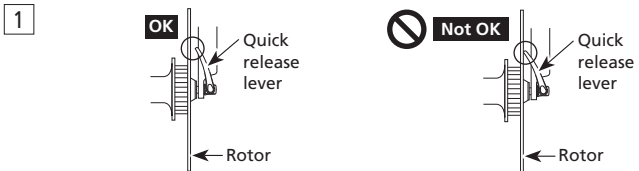
For replacement information, contact the place of purchase or a bicycle dealer.

WARNING

- This wheel is equipped with a quick release hub to facilitate installation and removal. Failure to properly install this quick release hub (wheel) onto your bicycle may cause the wheel to become detached from the bicycle while you are riding and result in serious bodily injury.
- Use a front fork which is equipped with a wheel retention mechanism.
- BEFORE USE, CAREFULLY READ THE QUICK RELEASE HUB INSTRUCTIONS IN YOUR OWNER'S MANUAL. If you have any questions, ask your dealer. IMPROPER HUB INSTALLATION CAN RESULT IN SERIOUS BODILY INJURY.

Quick release lever position on rotor compatible hubs

- Install the quick release through the front wheel so the lever is on the brake rotor side as shown in Figure [1]. Swing the lever fully to the CLOSE position and check that it does not interfere with the rotor. If the lever interferes with the rotor, re-insert the quick release so its lever is on the side opposite the rotor.
- When the quick release lever is in the CLOSE position, the lever should be in parallel position with the fork (refer to Figure [2a]) or point toward the back of the bicycle (refer to Figure [2b]). This is to prevent foreign objects such as tree branches from getting caught during riding, which can cause the quick release lever to open and cause the wheel to release unintentionally from the fork.
- If the lever obstructs the fork blade, the lever may not close fully, nor properly secure the wheel. The wheel may fall off the bicycle during riding and serious injury may occur as a result.



- After reading the user's manual carefully, keep it in a safe place for later reference.

NOTICE

- Be sure to operate the quick release lever by hand only. Never use any other tool, such as a hammer, to tighten the quick release lever as this could damage it.

Note

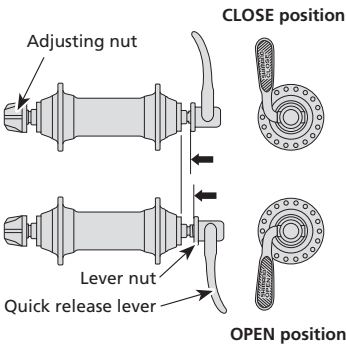
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.

What is a Quick Release?

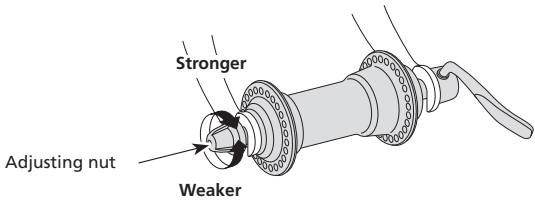
The lever operates an internal cam that allows the wheels to secure easily and remove quickly.

Quick Release function

When the quick release lever is brought to the CLOSE position, the lever nut moves inward. This force clamps the wheel to the frame and holds the wheel securely in place.



The clamping "force" is adjusted by turning the adjusting nut. When the nut is turned clockwise, the clamping force increases; when the nut is turned counter-clockwise the clamping force decreases.



Suitable dimensions of the fork end

Be sure to use only forks of suitable widths.

Front:
Cannot use fork thicknesses less than 5 mm.

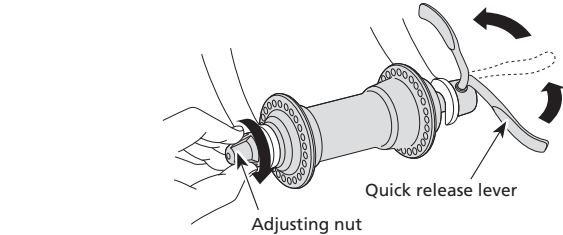
Rear:
Cannot use fork thicknesses less than 6 mm.

Operation

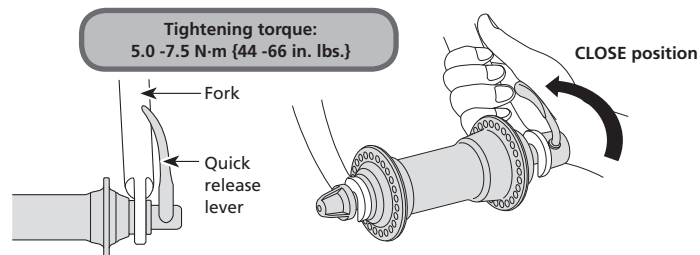
The front hub axle is used as an example. The rear axle works in the same way.

How to fasten the quick release hub

1. Move the quick release lever to the OPEN position and set the wheel so it firmly touches the interior of the fork end. (See sketch below)
2. Open and close the quick release lever with your right hand while gradually tightening the adjusting nut clockwise with your left. Continue tightening the nut until you feel resistance from the lever when it reaches parallel position with the hub (as indicated by the dotted line in the diagram below).

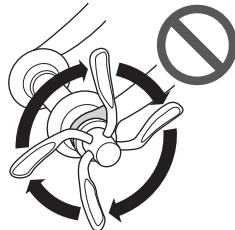


3. Grip the fork blade with your fingers and use the palm of your hand to apply force to the quick release lever. It should take considerable force against to tighten the lever completely. The word "CLOSE" inscribed in the lever should face out. The lever should be in front of, and parallel to the fork blade as shown in the diagram below.



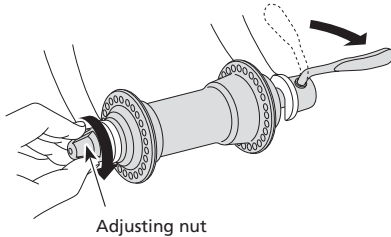
CAUTION

Never fasten a wheel to a frame by rotating the quick release lever as shown in the diagram on the right. Simply rotating the lever in a circular motion will not fasten the wheel to the frame. Detachment of the wheel as a result of improper hub installation can result in serious bodily injury.



Note

If the quick release lever can be easily pushed to the CLOSE position, this means the clamping force is insufficient. Return the quick release lever to parallel position with the hub (as shown below) and again turn the adjusting nut clockwise to increase the clamping force. Push the quick release lever back to the CLOSE position.

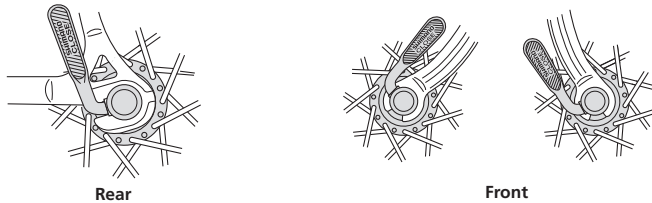


If the clamping force is adjusted too strong and the quick release lever cannot be pushed to the CLOSE position, turn the adjusting nut counter-clockwise to reduce the clamping force. When doing this, do not over loosen the adjust nut. Rotate the adjusting nut 1/8th of a turn then push the lever to CLOSE position. Repeat this procedure until maximum clamping force is achieved by hand.

Turn 1/8th of a turn at a time

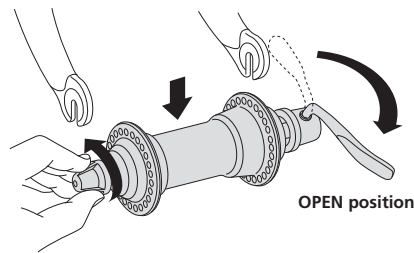
Positioning of the quick release lever

For safety, the quick release lever should be in alignment with the bicycle frame when in the CLOSE position.



Removing the wheel

Move the quick release lever from the CLOSE position to the OPEN position. Loosen the adjusting nut, and then remove the wheel.



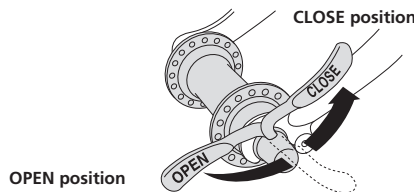
Regular inspections before riding the bicycle

Before riding the bicycle, check the following. If any problems are found with the following, contact the place of purchase or a bicycle dealer.

WARNING

THINGS TO CHECK BEFORE RIDING

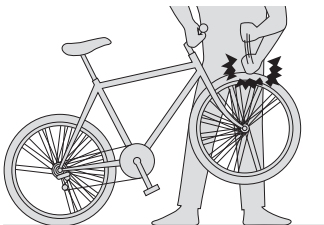
1. Always check your quick release hubs before riding to make sure that the wheels are correctly installed on the bicycle frame. This is especially important after you park your bicycle in a public place.
2. Make sure that the quick release levers are pushed fully to the CLOSE position. (The side of the lever with the inscription "CLOSE" must be facing away from the bicycle.) As shown in the diagram, the lever operates by swinging from OPEN to CLOSE position. It must not be rotated like a nut on a bolt.



QUICK CHECK

Lift up the bicycle so that the wheel is off the ground. Give the top of the tire a few sharp downward blows as shown in the diagram. The wheel should not be loose or come off. **This check does not guarantee that the quick release lever has received adequate tightening torque.**

If you are uncertain as to whether the quick release is tightened correctly, repeat the installation procedure as explained in "How to fasten the quick release hub" of this service instruction.



If the quick release will not adjust properly, please contact a professional dealer for advice.

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