

Internal Geared Hub (Roller Brake / V-BRAKE / Disc Brake)



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

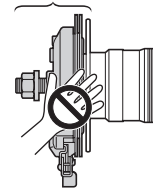
- It is important to sufficiently understand the operation of the bicycle brake system. Improper use of your bicycle's brake system may result in a loss of control or a fall, which could lead to severe injury. Because each bicycle may handle differently, be sure to learn the proper braking technique (including brake lever pressure and bicycle control characteristics) and operation of your bicycle. This can be done by consulting your professional bicycle dealer and the bicycle's owners manual, and by practicing your riding and braking technique.
- Check that the wheels are fastened securely before riding the bicycle. If the wheels are loose in any way, they may come off the bicycle and serious injury may result.
- After reading the user's manual carefully, keep it in a safe place for later reference.

CAUTION

- Be sure to shift the shifting lever one gear at a time. During shifting, reduce the force being applied to the pedals. If you try to force operation of the shifting lever or perform multi-shifting while the pedals are being turned strongly, your feet may come off the pedals and the bicycle may topple over, which could result in serious injury. Using the shifting lever to multi-shift to a light gear may also cause the outer casing to spring out of the shifting lever. This does not affect the capabilities of the shifting lever because the outer casing returns to the original position after shifting.

- If the roller brake / disc brake is used frequently, the area around the brake may become hot. Do not touch the area around the brake for at least 30 minutes after you finish riding the bicycle.

Area around the brake



Note

- The gears can be shifted while lightly pedaling, but on rare occasions the pawls and ratchet inside the hub may produce some noise afterwards as part of normal gear shifting operation.
- All of the following phenomena occur due to the built-in gear-shifting structure and are not the failure of the internal components.

Possible phenomena	Types of hub	Gear positions where the phenomena might occur
Noise occurs when the pedals are rotating.	7-gear hub	2, 3, 4, 5, 6, 7-speed
	3-gear hub	2, 3-speed
Noise is produced if the crank is turned backward or if the bicycle is pushed backward.	8-gear hub	5, 6, 7, 8-speed
The hub has a built-in mechanism for facilitating gear shifting. When the mechanism operates during gear shifting, noise and vibration may occur.	8-gear hub 3-gear hub (Excluding SG-3R75-A / SG-3R75-B)	All gear positions
Depending on the gear position, gear shifting gives different feels.	8-gear hub 7-gear hub 5-gear hub 3-gear hub	All gear positions
When pedal rotation is stopped during riding, noise will be generated.	7-gear hub 3-gear hub (Excluding SG-3R75-A / SG-3R75-B)	All gear positions
	5-gear hub	4, 5-speed

- In order to maintain proper performance, it is recommended that you ask the place where you purchased the bicycle or your nearest Pro shop to carry out maintenance such as greasing the internal hub about once every two years starting from the first time of use (or once about every 5,000 km if the bicycle is used very frequently). Furthermore, it is recommended that you use the Shimano internal hub grease or lubrication kit when carrying out maintenance. If the special grease or lubrication kit is not used, problems may occur such as the gear shifting not working correctly.
- The internal hub is not completely waterproof. Avoid using the hub in places where water might get inside and do not use high-pressure water to clean the hub, otherwise the internal mechanism may rust.
- The chainrings should be periodically washed with a neutral detergent. In addition, cleaning the chain with neutral detergent and lubricating it can be an effective way of extending the life of the chainrings and the chain.
- If the chain has started skipping, replace the gears and the chain at a dealer or an agency.
- Never place your foot on the bell crank. Otherwise, gear shifting may not function properly.
- Stop pedaling or reduce the force being applied to the pedals when shifting the gears. This allows for smooth gear shifting.
- Practice gear shifting often.
- 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.

Regular inspections before riding the bicycle

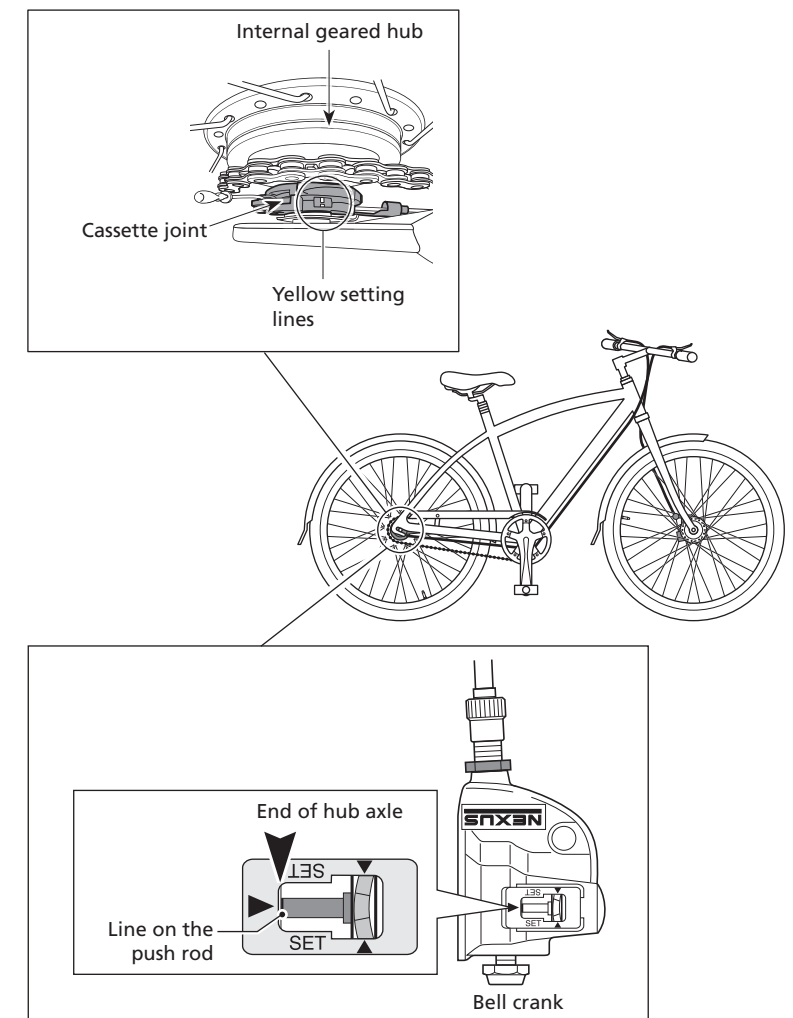
Before riding the bicycle, check the following items. If any problems are found with the following items, contact the place of purchase or a bicycle dealer.

- Is gear shifting carried out smoothly?
- Are the setting lines of the cassette joint in the correct position?
- Is the bell crank push rod in the correct position?
- Do any abnormal noises occur during operation?

* For information on how to inspect the shifting cable adjustment (position of the setting lines, position of the push rod), refer to the user's manual for the shifting lever.

Names of parts

The components may differ depending on the specifications of the internal geared hub used.



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Please note: specifications are subject to change for improvement without notice. (English)
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