

Internal Geared Hub (Coaster 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

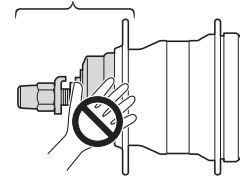
- Each bicycle may handle differently depending on the product. Therefore, it is important to completely understand and get used to the operation of your bicycle's brake system (including brake lever pressure and bicycle control characteristics). Improper use of your bicycle's brake system may result in a loss of control or a fall, which could lead to severe injury. For proper operation please consult a professional bicycle dealer, or read the owner's manual. It is important to ride your bicycle and practice braking operation and other basic features, etc.
- 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

- Avoid continuous application of the coaster brake when riding down long slopes, as this will cause the internal brake parts to become very hot, and this may weaken braking performance.
- Spin the wheel and confirm that the braking force of the coaster brake is correct.
- 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 coaster 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.
- These occurrences are a normal result of the structure of the internal gear shifting mechanism, and are not a sign of a malfunction.

Possible occurrences	Types of hub	Gear positions where the occurrences might develop
When the bicycle is pushed backward with a foot on a pedal, the pedal gives a tapping feel.	7-gear hub	All gear positions
Noise occurs when 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	All gear positions
Depending on the gear position, gear shifting feels different.	7-gear hub 8-gear hub	All gear positions
When pedal rotation is stopped during riding, noise will be generated.	7-gear hub 8-gear hub	All gear positions
Noise occurs when the pedals are rotating.	7-gear hub	All gear positions
	8-gear hub	Gear positions except the 1st

- In order to maintain proper performance, it is recommended that you contact the place of purchase 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. Use only the specified grease for the brake shoes.
- 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 wheels are not rotating smoothly, you need to replace the brake shoes. Consult the dealer where you made the purchase.
- 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

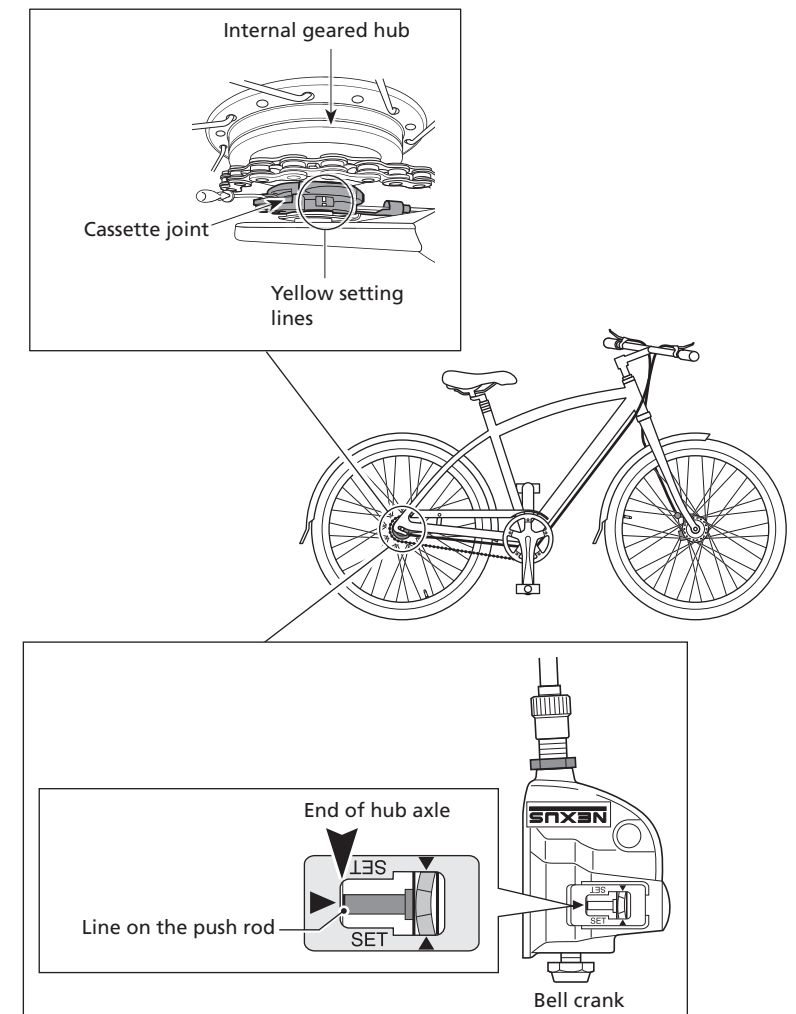
Before riding the bicycle, check the following items. If any problems are found with the following items, contact the place of purchase or a bicycle dealer.

- 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 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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Shifting Lever (REVOSHIFT)



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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.

Note

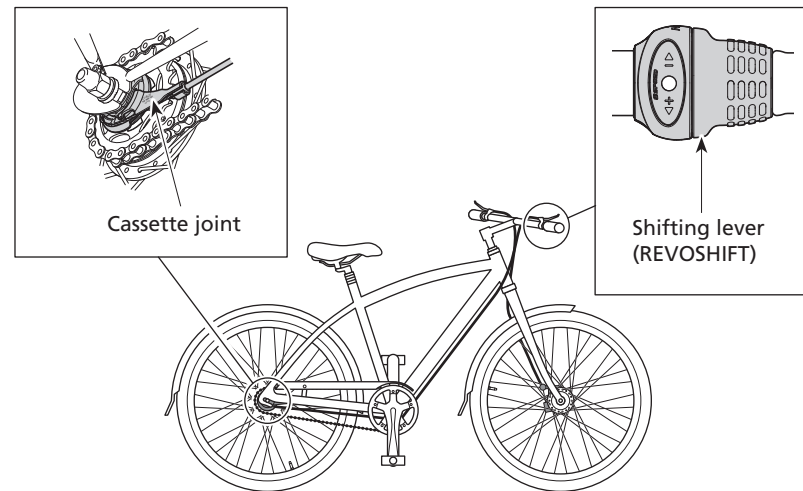
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.

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?
- Do any abnormal noises occur during operation?

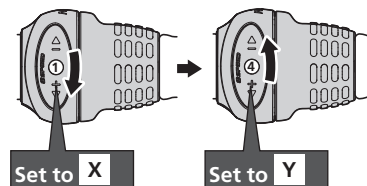
Names of parts



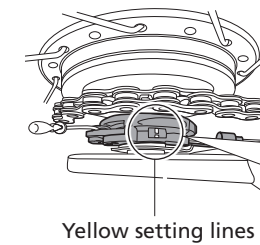
Checking cable adjustment

Change the setting of the shifting lever from X to Y. To avoid over-shifting, change the setting gradually and with minimal force. After changing the setting, check that the yellow setting lines on the cassette joint bracket and pulley overlap. If the overlapping area falls short of two thirds of each setting line, consult a dealer or an agency. If you over-shift, the setting line will not return to the proper position, and the setting lines may not be aligned at the correct position. Riding the bicycle with the setting lines misaligned may cause the gears to not engage properly during pedaling, causing abnormal noise or free spinning of the pedals.

Ex.) For 8-speed



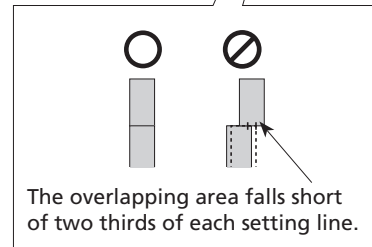
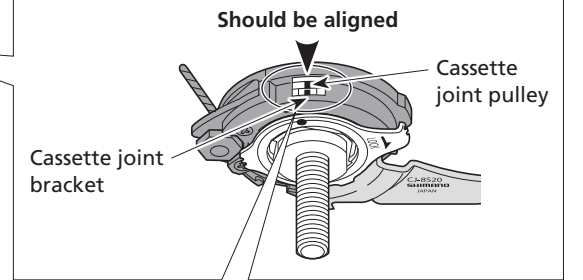
Note	X	Y
For 8-speed	1	4
For 7-speed	1	4
For 5-speed	1	3



Yellow setting lines

The yellow setting lines on the cassette joint are located in two places. Use the one that is easiest to see.

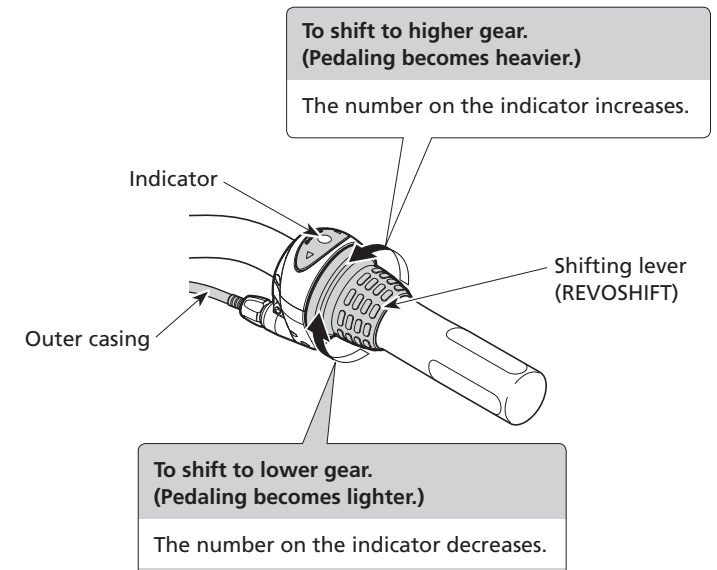
When bicycle is standing up



The overlapping area falls short of two thirds of each setting line.

Operation

Turn the shifting lever (REVOSHIFT) to shift to each of the gears.



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