

General Safety Information

WARNING

- Before use, check the wheels to make sure that there are no bent or loose spokes, dents, scratches or cracks on the rim surface. Do not use the wheel if any of these problems are found.
- If the quick release mechanism is not used correctly, the wheel may come off the bicycle and serious injury could result. Read the Service Instructions for the quick release mechanism thoroughly before use.
- This wheel is designed for use with trekking bikes. If the wheels are used excessively on unpaved surfaces, the wheels may become bent or damaged, and accidents may occur.
- 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.
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause injury to the rider.
- We strongly recommend only using genuine Shimano replacement parts.
- Be sure to carefully read the Service Instructions for the disc brakes also.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

CAUTION

- The tires should be inflated to a suitable pressure before use.
- Use rim tape which can withstand high pressures, otherwise the tires may suddenly puncture and come off, and severe injury may result.

CAUTION

- Use of genuine Shimano spokes, nipples and washers is strongly recommended. If non-Shimano parts are used, the area where the nipple seats into the hub flange may become damaged.
- When using rim brakes, check that there are no pieces of metal or other foreign objects sticking to the brake shoes before riding the bicycle. If any such items are present, they may cause damage to the rim when the brakes are applied.
- When using rim brakes, it is not recommended that you use the brake shoes with the following product names with this product, because severe wearing of the braking surfaces of the rims may occur.
R55HC, M70T3, M70T2, M65T3, M65T, M55T, M50T
- Furthermore, do not use brake shoes for carbon rims or ceramic coated rims either.
- The nipples have large diameters and are easy to rotate in order to make it easier to increase the spoke tension. However, be careful not to overtighten the nipples when adjusting the spoke tensions. If the nipples are overtightened, damage to the rim may result.
(We recommended that you ask authorized bicycle dealers to make the adjustments.)

Note

- If the wheel becomes stiff and difficult to turn, you should lubricate it with grease.
- Do not apply any oil to the inside of the hub, otherwise the grease will come out.
- The hollow on the other side of the valve from the hole is a guide for indicating the wear of the rim. If this hollow is no longer visible, the rim is at the end of its useful life.
- Special spoke wrenches are available as optional accessories.
- We recommend that you ask authorized bicycle dealers to adjust the spoke tensions if there is any initial play in the spokes and after the first 1,000 km of riding.
- Spoke protectors are also sold separately. Use the CP-WH11 when using the CS-M760 (11-32T), and use the CP-WH10 for all other cassette sprockets.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- Reflectors (manufactured by CATEYE) are also sold separately. Please ask your bicycle dealer for details.

Model number	Specification	Color
RR-550-WUW SW W/O BRACKET	CPSC	White
RR-550-WUA SW W/O BRACKET	AS	Amber
RR-317-WUA SW W/O BRACKET	DIN	Amber

- If using a tube with a French valve, install the valve stem adapter that is included.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use.

Technical Service Instructions

SI-4C80B

WH-T565

Wheel
(For Trekking Bike)

In order to realize the best performance, we recommend that the following combination be used.

Applicable tire size	Clincher tire
	700C (28C - 47C)
Largest sprocket	34T

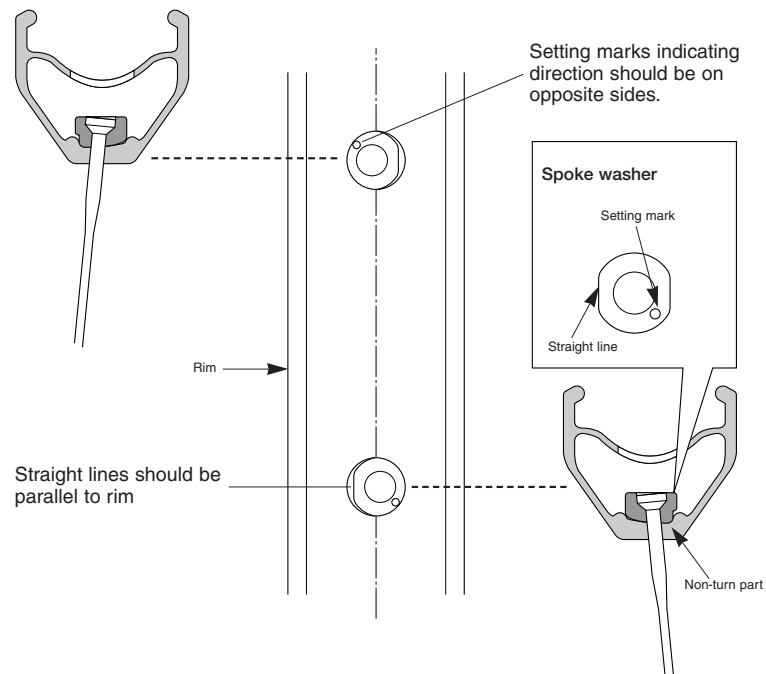
This wheel can be used with 8-gear and 9-gear sprocket sets.
Refer to the Product Technical Information for details on combination with other parts such as chains and cassette sprockets.

Specifications

Model number	WH-T565	
Rim size	700C (622 X 19C)	
Applicable spoke length	For front	298 mm (#13)
	For rear	278 mm (#14) / 298 mm (#13)
Rim width	25.2 mm	
Applicable brakes	V-BRAKE / Disc brake	

Replacing the spokes

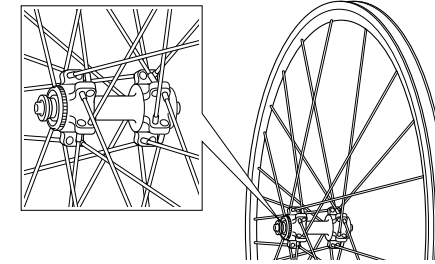
Install the spoke washers so that the setting marks that determine the direction are facing on opposite sides of the spokes from each other. The straight lines on the washers should be parallel to the rim at this time.



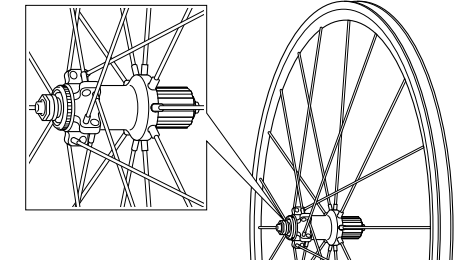
Spoke lacing

Lace the spokes as shown in the illustration.

For front



For rear



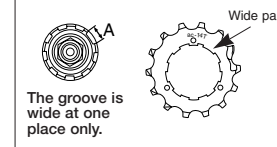
Spoke tension value

For front		For rear	
Right side	Left (rotor) side	Right (sprocket) side	Left (rotor) side
600 - 1100 N (135 - 247 lbf)	900 - 1500 N (202 - 337 lbf)	1000 - 1600 N (225 - 360 lbf)	600 - 1100 N (135 - 247 lbf)

* These values should be used as a guide only.

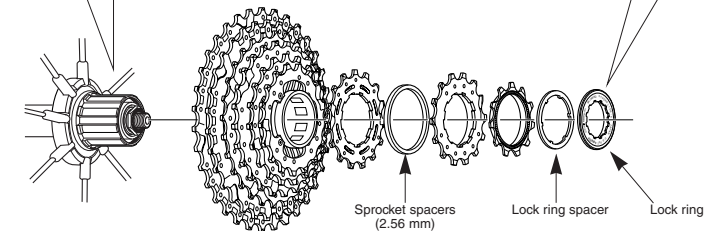
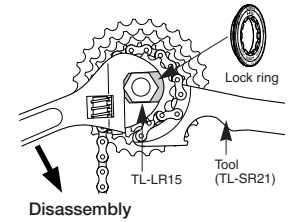
Installation of the HG sprockets

For each sprocket, the surface that has the group mark should face outward and be positioned so that the wide parts of the gear projections on each sprocket and the A part (where the groove width is wide) of the freewheel body are aligned.



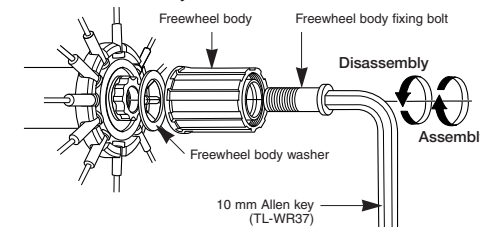
- For installation of the HG sprockets, use the special tool (TL-LR15) to tighten the lock ring.
- To replace the HG sprockets, use the special tool (TL-LR15) and TL-SR21 to remove the lock ring.

Tightening torque:
30 - 50 N·m
{261 - 434 in. lbs.}



Replacement of the freewheel body

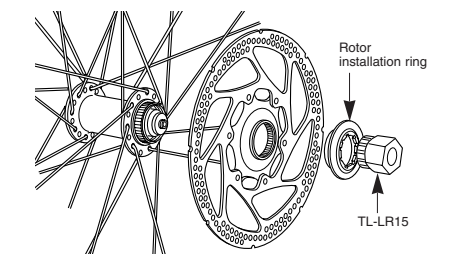
After removing the hub axle, remove the freewheel body fixing bolt (inside the freewheel body), and then replace the freewheel body.



Note
Do not attempt to disassemble the freewheel body, because it may result in a malfunction.

Tightening torque:
35 - 50 N·m {305 - 434 in. lbs.}

Installation of the rotor (SM-RT77)



Tightening torque:
40 N·m {350 in. lbs.}

SHIMANO

SHIMANO AMERICAN CORPORATION
One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

SHIMANO EUROPE B.V.
Industrieweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222

SHIMANO INC.
3-77 Oimatsu-cho, Sakai-ku, Osaka 590-8577, Japan

Please note: specifications are subject to change for improvement without notice. (English) © Nov. 2005 by Shimano Inc. XBC SZK Printed in Malaysia