

## General Safety Information

### ⚠ WARNING

- 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.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

### Note

- Do not use the CS-5600 in any combination other than with the CN-5600 / CN-6600. Other chains cannot be used as the sizes do not match.
- An 11T and a 12T lock ring are available for use with the CS-5600. Use whichever lock ring matches the sprocket configuration.
- If the wheel becomes stiff and difficult to turn, you should lubricate it with grease.
- Do not apply any lubricant to the inside of the hub, otherwise the grease will come out.
- You should periodically wash the sprockets in a neutral detergent and then lubricate them again. In addition, cleaning the chain with neutral detergent and lubricating it can be an effective way of extending the useful life of the sprockets and the chain.
- If the chain keeps coming off the sprockets during use, replace the sprockets and the chain.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.

## Technical Service Instructions

SI-3CJ0B

# FH-5600

Freehub

## Specifications

### Freehub

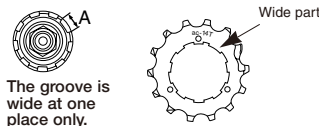
Model No.	Gears	No. of spoke holes	Overlock nut dimensions
FH-5600	9 / 10	24 / 28 / 32 / 36	130 mm

**Cassette sprocket** Sprockets marked by  are secured.

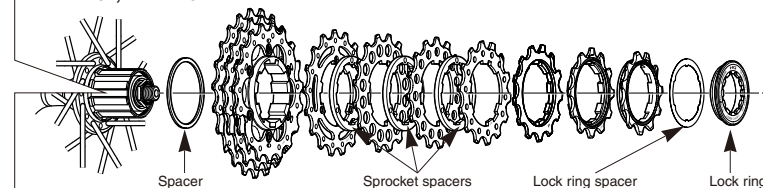
Model No.	CS-5600											
Sprocket tooth configuration	11T - 23T	11T, 12T, 13T, 14T, 15T, 16T, 17T,	<input type="checkbox"/>									19T, 21T, 23T
	11T - 25T	11T, 12T, 13T, 14T, 15T, 17T, 19T,	<input type="checkbox"/>									21T, 23T, 25T
	12T - 25T	12T, 13T, 14T, 15T, 16T, 17T, 19T,	<input type="checkbox"/>									21T, 23T, 25T
	12T - 27T	12T, 13T, 14T, 15T, 16T, 17T, 19T,	<input type="checkbox"/>									21T, 24T, 27T

## Installation of the HG sprockets

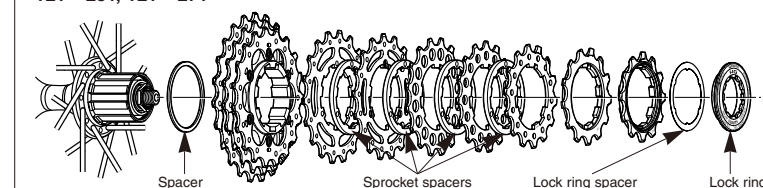
For each sprocket, the surface that has the group mark should face outward and be positioned so that the wide parts of the gear projections on each sprocket and the A part (where the groove width is wide) of the freewheel body are aligned.



11T - 23T, 11T - 25T

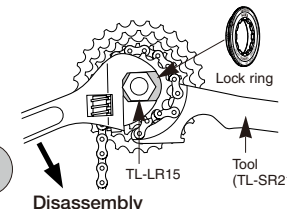


12T - 25T, 12T - 27T



- 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.}

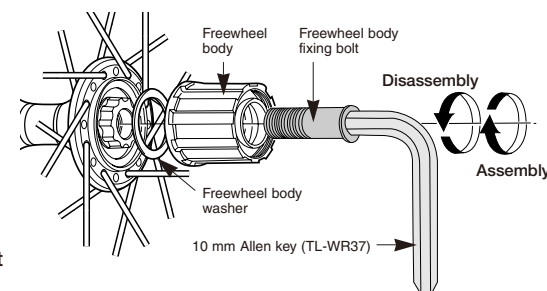
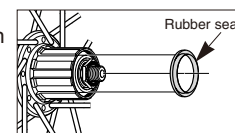


Disassembly

## 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.

Install the rubber seal as the last item after replacing the freewheel body, and make sure that it does not get clamped by the waterproof cap.



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

### Note:

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

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

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