

## 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.
- If using the CS-6600 (14-25T, 15-25T, 16-27T) in combination with a front chainwheel, use a double chainwheel. If you use it in combination with a triple chainwheel, gear shifting performance will drop, and the bicycle may fall over 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-6600 in any combination other than with the CN-7801 / 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-6600. 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-3C90C

# FH-6600

Freehub

## Specifications

### Freehub

Model No.	Gears	No. of spoke holes	Overlock nut dimensions
FH-6600	9 / 10	24 / 28 / 32 / 36	130 mm

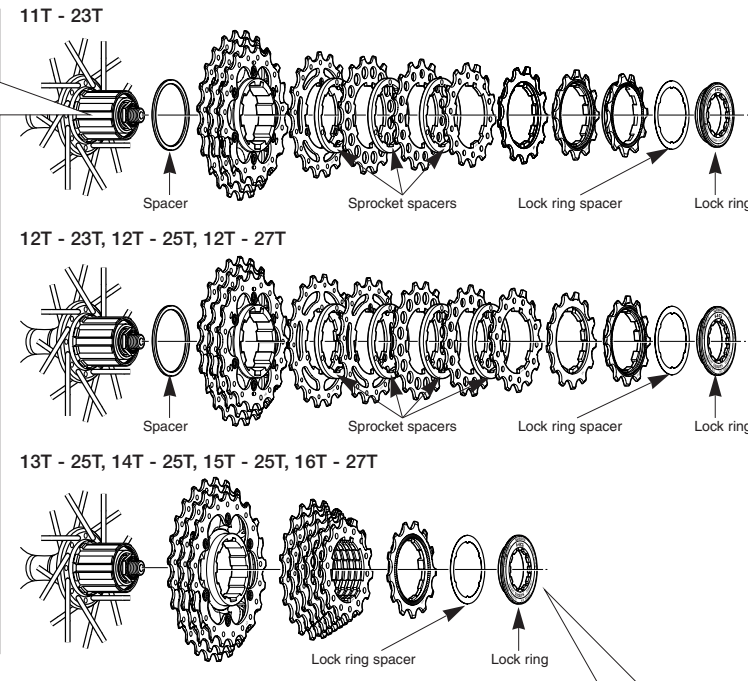
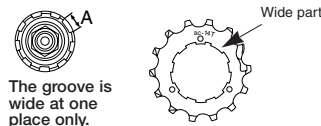
### Cassette sprocket

Sprockets marked by  are secured.

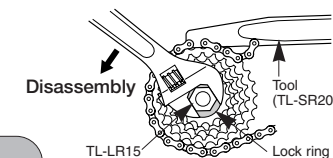
Model No.	CS-6600										
Sprocket tooth configuration	11T - 23T	11T, 12T, 13T, 14T, 15T, 16T, 17T,	<input type="checkbox"/> 19T, <input type="checkbox"/> 21T, <input type="checkbox"/> 23T								
	12T - 23T	12T, 13T, 14T, 15T, 16T, 17T, 18T,	<input type="checkbox"/> 19T, <input type="checkbox"/> 21T, <input type="checkbox"/> 23T								
	12T - 25T	12T, 13T, 14T, 15T, 16T, 17T, 19T,	<input type="checkbox"/> 21T, <input type="checkbox"/> 23T, <input type="checkbox"/> 25T								
	12T - 27T	12T, 13T, 14T, 15T, 16T, 17T, 19T,	<input type="checkbox"/> 21T, <input type="checkbox"/> 24T, <input type="checkbox"/> 27T								
	13T - 25T	13T, <input type="checkbox"/> 14T, <input type="checkbox"/> 15T, <input type="checkbox"/> 16T, <input type="checkbox"/> 17T, <input type="checkbox"/> 18T, <input type="checkbox"/> 19T,	<input type="checkbox"/> 21T, <input type="checkbox"/> 23T, <input type="checkbox"/> 25T								
	14T - 25T	14T, <input type="checkbox"/> 15T, <input type="checkbox"/> 16T, <input type="checkbox"/> 17T, <input type="checkbox"/> 18T, <input type="checkbox"/> 19T, <input type="checkbox"/> 20T,	<input type="checkbox"/> 21T, <input type="checkbox"/> 23T, <input type="checkbox"/> 25T								
	15T - 25T	15T, <input type="checkbox"/> 16T, <input type="checkbox"/> 17T, <input type="checkbox"/> 18T, <input type="checkbox"/> 19T, <input type="checkbox"/> 20T, <input type="checkbox"/> 21T,	<input type="checkbox"/> 22T, <input type="checkbox"/> 23T, <input type="checkbox"/> 25T								
16T - 27T	16T, <input type="checkbox"/> 17T, <input type="checkbox"/> 18T, <input type="checkbox"/> 19T, <input type="checkbox"/> 20T, <input type="checkbox"/> 21T, <input type="checkbox"/> 22T,	<input type="checkbox"/> 23T, <input type="checkbox"/> 25T, <input type="checkbox"/> 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.



- 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-SR20 to remove the lock ring. Install the TL-SR20 to the largest sprocket.

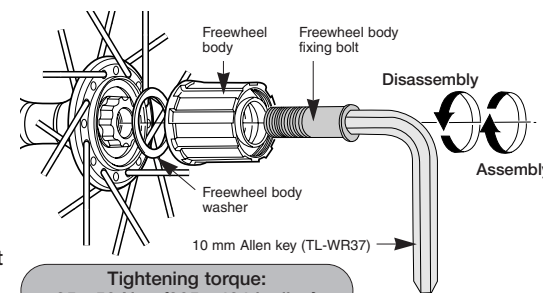
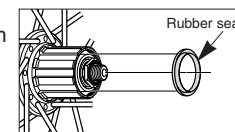


**Tightening torque:**  
30 - 50 N·m {261 - 434 in. lbs.}

## 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.

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.}

These service instructions are printed on recycled paper.

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

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