

Freehub

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-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.

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.

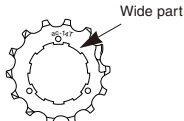
Model No.		CS-6600										
Sprocket tooth configuration	11T - 23T	11T,	12T,	13T,	14T,	15T,	16T,	17T,	19T, 21T, 23T			
	12T - 23T	12T,	13T,	14T,	15T,	16T,	17T,	18T,	19T, 21T, 23T			
	12T - 25T	12T,	13T,	14T,	15T,	16T,	17T,	19T,	21T, 23T, 25T			
	12T - 27T	12T,	13T,	14T,	15T,	16T,	17T,	19T,	21T, 24T, 27T			
	13T - 25T	13T,	14T, 15T, 16T, 17T, 18T, 19T,			21T, 23T, 25T						
	14T - 25T	14T,	15T, 16T, 17T, 18T, 19T, 20T,			21T, 23T, 25T						
	15T - 25T	15T,	16T, 17T, 18T, 19T, 20T, 21T,			22T, 23T, 25T						
	16T - 27T	16T,	17T, 18T, 19T, 20T, 21T, 22T,			23T, 25T, 27T						

Installation of the HG sprockets

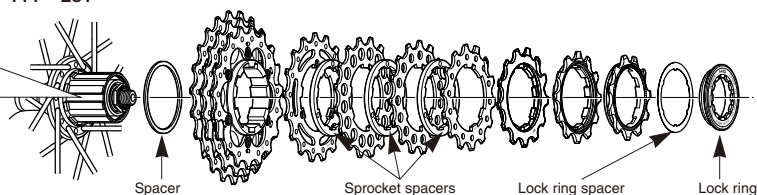
For each sprocket, the surface that has the group mark should face outward and be positioned so that the wide parts of the gear projections on each sprocket and the A part (where the groove width is wide) of the freewheel body are aligned.



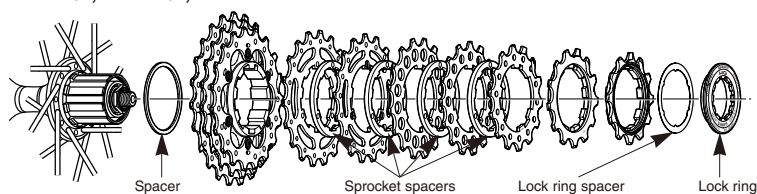
The groove is wide at one place only.



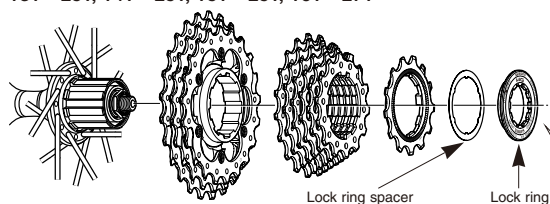
11T - 23T



12T - 23T, 12T - 25T, 12T - 27T

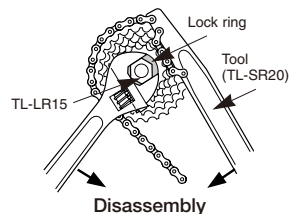


13T - 25T, 14T - 25T, 15T - 25T, 16T - 27T



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

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

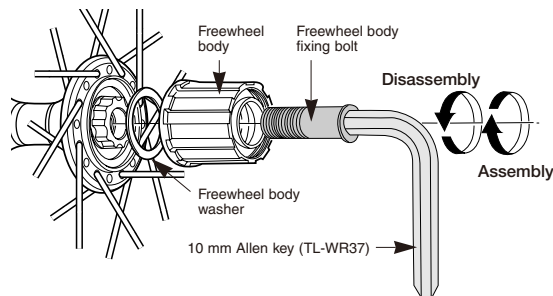


Replacement of the freewheel body

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

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.}



SHIMANO

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

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

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

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

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