

⚠ WARNING

- Obtain, read and carefully service instructions when installing parts. A loose, worn, or damaged parts may cause injury to the rider.
- We strongly recommend that only genuine Shimano replacement parts be used.

SERVICE INSTRUCTIONS

SI-3BH0B

FH-4400

Freehub

Before use, read these instructions carefully, and follow them for correct use.

Product specifications

Freehub

| | |
|-------------------------|---------|
| Model No. | FH-4400 |
| Gears | 9 |
| No. of spoke holes | 32 / 36 |
| Overlock nut dimensions | 130 mm |

Cassette sprocket

| | |
|------------------------------|---|
| Model No. | CS-HG50-9 |
| Sprocket tooth configuration | |
| 12T - 23T | 12T, 13T, 14T, 15T, 16T, 17T, 19T, 21T, 23T |
| 12T - 25T | 12T, 13T, 14T, 15T, 17T, 19T, 21T, 23T, 25T |
| 13T - 25T | 13T, 14T, 15T, 16T, 17T, 19T, 21T, 23T, 25T |

Sprockets marked by are secured.

Note

- Do not use the CS-HG50-9 in any combination other than with the CN-HG72, CN-HG92, CN-7700. Other chains cannot be used as the sizes do not match.

SHIMANO

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Please note: specifications are subject to change for improvement without notice. (English)
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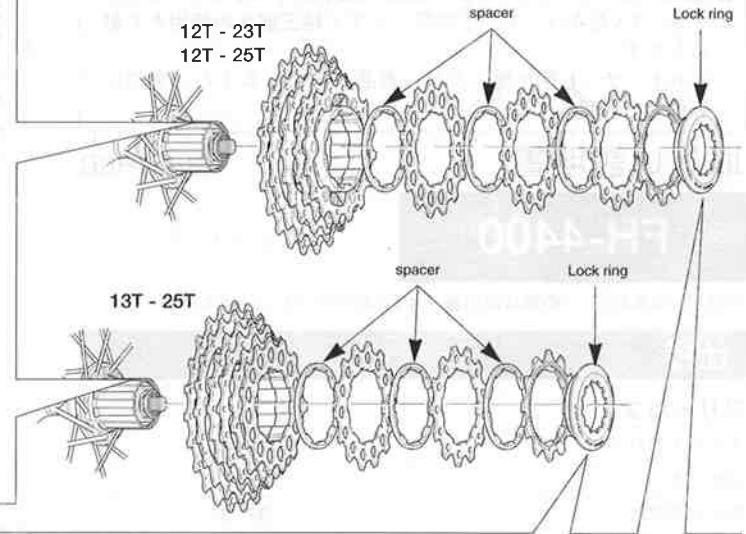
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Installation of the HG sprockets

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.

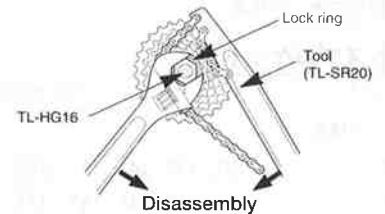
The groove is wide at one place only.



- For installation of the HG sprockets, use the special tool (TL-HG16) to tighten the lock ring.

Tightening torque:
30 - 50 Nm (261 - 434 in. lbs.)

- To replace the HG sprockets, use the special tool (TL-HG16) and TL-SR20 to remove the lock ring.



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 Nm (305 - 434 in. lbs.)

