

# SERVICE INSTRUCTION

## FH-6402-HG

Freehub

## CS-HG90-8

Cassette Sprocket

For proper and safe performance, read and follow these instructions carefully.

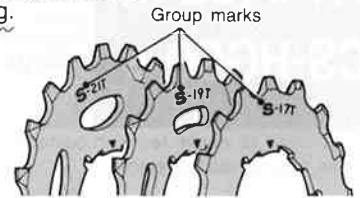
### ■ HG sprocket teeth configurations

S group	.....12-13-14-15-16-17-19-21T
T group	.....13-14-15-16-17-19-21-23T
U group	.....12-13-14-15-17-19-21-23T
V group	.....13-14-15-17-19-21-23-26T
W group	.....12-13-15-17-19-21-23-25T

**Note:** The top gear and second gear in each group are the built in spacer type of gear.

### ■ Notes

- Always be sure to use the HG (Hyper Glide) sprocket set bearing the same group marking. Never use in combination with a sprocket bearing a different group marking.

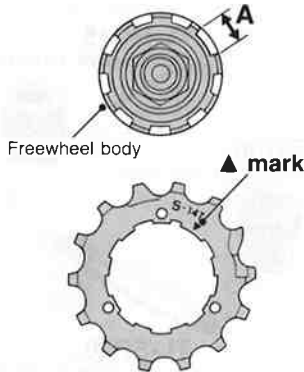


- The FH-6402-HG freehub for the HG sprockets can also be used with the former CS-7400-8 UG sprockets, but never use the HG sprockets and UG sprockets in combination. If the CS-7400-8 UG sprockets are used, use CS-6400 (7S) or CS-1000 (7S) for the top gear.
- Use a frame with over lock nut dimension 130mm.
- Use the RD-6401 rear derailleur.
- Use a hyper glide compatible narrow type HG chain.

## Installation of the HG sprocket

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

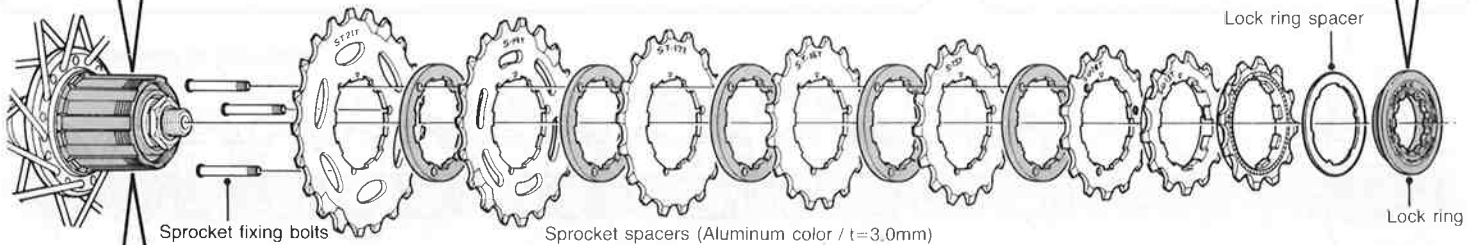
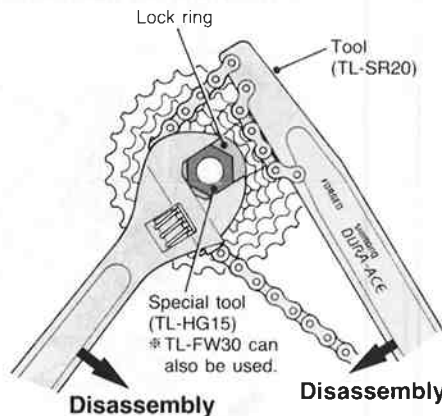
The groove width is wide at one place only.



- For installation of the HG sprocket, use the special tool (TL-HG15) to tighten the lock ring.

**Tightening torque: 300~500kgfcm (260~430in.lbs.)**

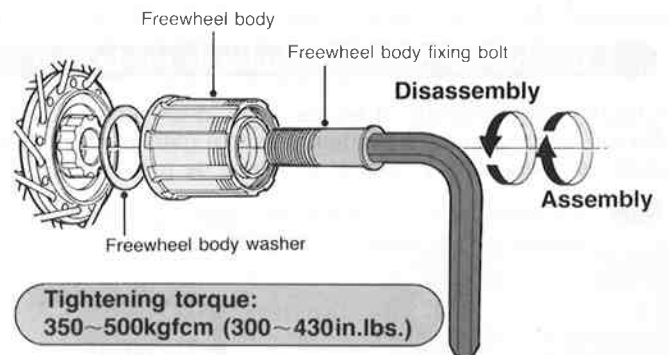
- To replace the HG sprocket, use the special tool (TL-HG15) and TL-SR20 to remove the lock ring.



### Replacement of the freewheel body

After removing the hub axle, remove the freewheel body fixing bolt (within 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.



\*Please note: Specifications are subject to change for improvement without notice. (English)