



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

■ Specifications

Weight	629g (1.39 lbs.) [12-13-14-15-17-19-21T]	
Material	Light alloy, steel	
Suitable chain size	1/2" x 3/32"	
Spoke hole diameter	2.6mm	
Number of spoke holes	36H, 32H, 28H	
Over lock nut dimensions	126mm	
Chain line	41.9mm	
Dishing distance*	7.4mm	
Number of sprocket teeth	Top gear	12T - 16T
	Second gear (built-in spacer type)	13T
	Spline gear	14T - 26T, 28T
Top gear screw measurement	BC, 34.6 - 24 TPI.	

\* The dishing distance is the distance between the center line of the lock nuts and the center line of the flanges.

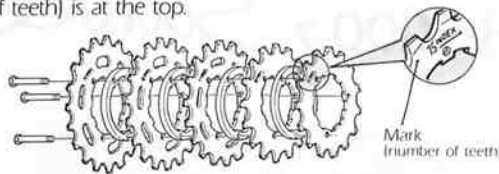
■ Identification of gears and sprocket spacers

Top gear	
Second gear (built-in spacer type)	
Other spline gears	
Sprocket spacer A	(Plastic; dark gray) <b>7S</b> 3.3mm → For second gear • Sprocket spacer A is unnecessary if a 13-teeth sprocket is used.
Sprocket spacer B	(Plastic; dark gray) <b>7S</b> 3.15mm → For second gear ~ low gear
Sprocket fixing bolt	<b>21.5mm</b>

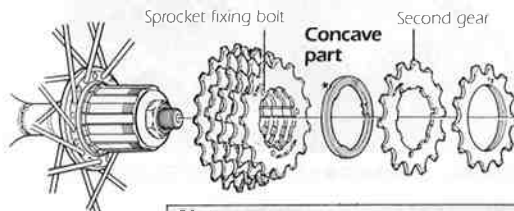
• If the 7-speed type is used, be sure to use a narrow-type chain (Shimano CN-6208, CN-7400, etc.).

■ Assembling the gears

• Install each gear so that the mark (indicating the number of teeth) is at the top.



• Align the concave part (\*mark) with the position of the sprocket-fixing bolt, and then install.



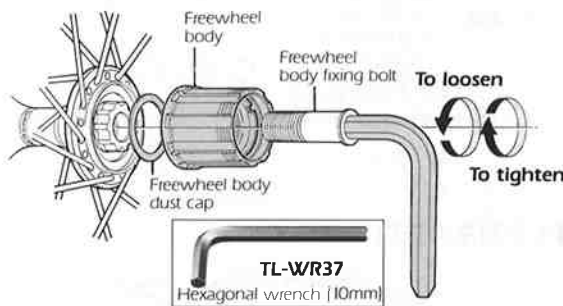
**Note:**  
Sprocket spacer A and fixing bolts are unnecessary if a second gear with 13 teeth is used.

■ Replacement of the freewheel body

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

**Note:**

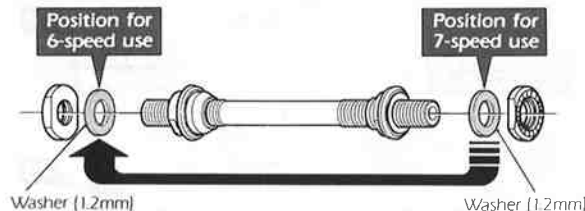
Do not attempt to disassemble the freewheel body, because to do so may lead to problems.



**Tightening torque: 350 - 500 kgfcm**

■ 7-speed (CS-5000) to 6-speed (CS-6400) changeover

To change the hub axle unit from 7-speed to 6-speed, move the washer (1.2mm), located at the hub axle right side, to the left side.



Dimensions of usable fork ends	
• Front fork end thickness	5.0 - 6.5mm
• Rear fork end thickness	6.5 - 8.0mm

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