

# SERVICE INSTRUCTION

## Shimano 600EX Freehub

- Model FH-6208-5 (5-speed)  
FH-6208-6 (6-speed)



# SHIMANO 600 EX

### ■ Specifications

	5-speed Freehub FH-6208-5	6-speed Freehub FH-6208-6
Weight ※1	579g (1.276 lbs.)	630g (1.39 lbs.)
Material	Light alloy, steel	
Suitable chain size	1/2" × 3/32"	
Spoke hole size	φ2.4mm (0.09")	
No. of spoke holes	36 holes	
Over lock nut dimensions	120.5mm (4-3/4")	126mm (4-61/64")
Chain line	42.45mm (1-43/64")	
Dishing distance ※2	3.25mm (1/8")	6mm (15/64")
Sprocket replacement teeth	12T ~ 26T, 28T, 30T, 32T, 34T	
Top sprocket screw measurement	B.C. 34.6 × 24T.P.I.	

Note: ※1 The above weights are taken from the below teeth combinations.  
5-speed (13-15-17-19-21T), 6-speed (13-15-17-19-21-23T)

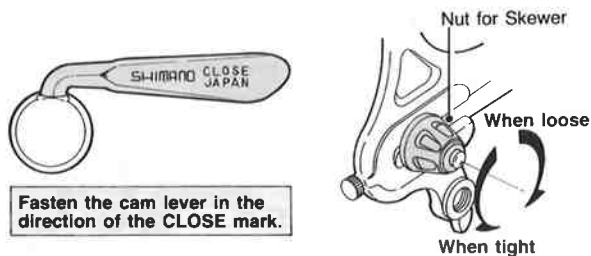
※2 Dishing distance means the distance between the center line of the flanges and center line of the lock nuts.

### ■ Note

- The gear spacer B (bright grey) used in the cassette gear corresponds to the Shimano 600EX S.I.S.
- Do not attempt to disassemble the freewheel body, because to do so may lead to problems.

### Fastening the Quick Release Mechanism

Adjust the adjusting nut, firmly tighten the cam lever in the direction of the "CLOSE" mark, and secure the wheel securely to the frame.

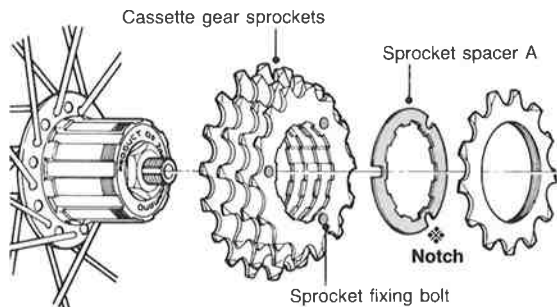


Fasten the cam lever in the direction of the CLOSE mark.

Cam lever tightening torque: 90-120 kgfcm (80-105 in.lbs.)

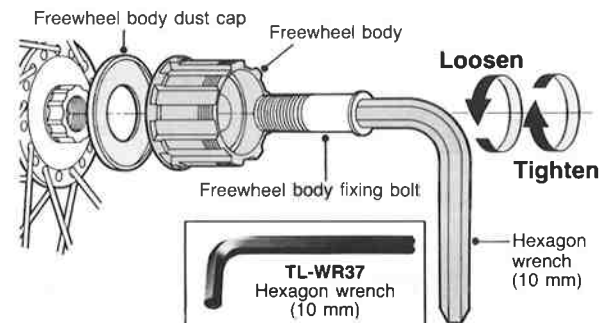
### Assembling the Gear

The gear is assembled as before, but care must be taken to be sure that the three notches (※) of spacer A are aligned with the coupling bolt holes of the cassette gear. Note that spacer A is unnecessary if top gear 12T is used.



### Freewheel body replacement

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



Freewheel body fixing bolt tightening torque:  
350-500 kgfcm (307-440 in.lbs.)

● Please note: Specifications are subject to change for improvement without notice.

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