

SERVICE INSTRUCTIONS

Removal Tool for Multiple Freehub Body

Model TL-FH30



SHIMANO

This tool is for use when changing the freewheel section of Shimano's Multiple Freehub.

Note:

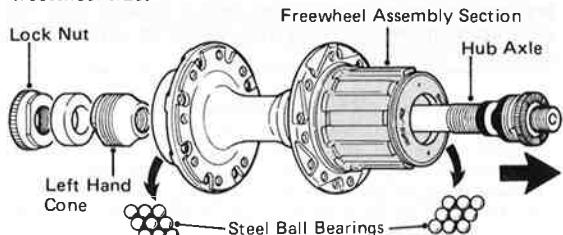
This tool should not be used on the Model FH-7250 and FH-7260 Dura-Ace EX and a light alloy freehub, which has a steel protector in between the hubshell and freewheel part.

	Suitable Freehub for Tool Use	Unsuitable Freehub for Tool Use
Dura-Ace		
Light Alloy Freehub		<p>Note: Do not use tool with Freehub which has steel protector.</p>

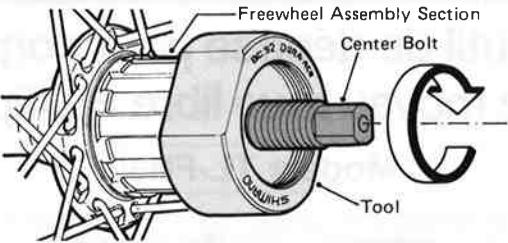
HOW TO USE

Disassembly

1. First, remove the gears from the freewheel section. Next, remove the left side (opposite side to freewheel) lock nut and left hand cone. Then remove the hub axle from the freewheel side.



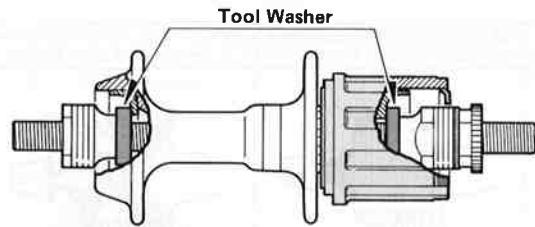
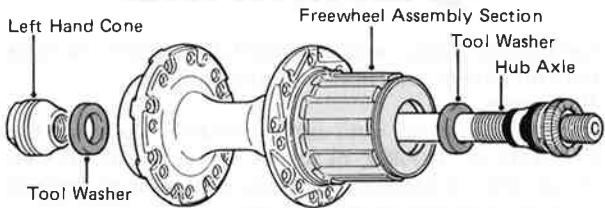
2. Screw the tool onto the freewheel assembly section until it grips. Then remove the freewheel assembly section by turning the tool's center bolt in a clockwise direction.



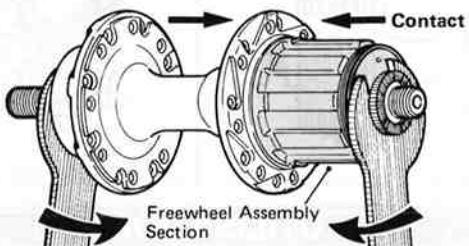
Note: There are two sets of grooves inside the tool body. These can be identified by the description B.C. 32, which is for use on Dura-Ace Freehub, and B.C. 34.6 which is for use on other freehubs which are not Dura-Ace. The descriptions are clearly seen on each face end.

Assembly

1. Insert the freewheel section to the hub by aligning the protrusions. Place the tool washer on the hub axle. And then thread the hub axle through the hub body from the freewheel side. Next, place the other tool washer on the hub axle and screw the left hand cone on to the hub axle.



2. Tighten the left hand cone until contact is made between freewheel and hub body as seen in the diagram below. Tightening torque should be 80 kgfcm (70 in-lbs).



Note: When proper contact is made between freewheel and hub body, do not continue to secure left hand cone.

3. After contact is made, unscrew the left hand cone and take out the two tool washers. And then assemble the hub axle. The assembly of the hub axle is the reverse of the disassembly procedure. The hub axle should be assembled so that there is no play on the hub body and smooth rotation is possible.

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