

Unior Bicycle Mechanics Book #1

KAT.BIKEBOOK1



Atributi proizvoda

- Written by expert mechanic Denise Belzil who has over 30 years experience
- Richly detailed how-to instructions plus images to guide professional and home bike mechanics
- Volume 1 covers hubs, bottom brackets and headsets over 274 pages. Volume 2, also available **KAT.BIKEBOOK2** (<https://uniortools.com/eng/product/KAT-BIKEBOOK2-unior-bicycle-mechanics-book-2#907980>) covers gear and brake systems over 318 pages
- Spiral bound for easy use
- High quality laminated paper for durability in the workshop



627300

EN

775

627302

FR

770

* Slike proizvoda su simbolične. Sve dimenzije su u mm, masa je u g.

upotreba (pictures)

Shimano Sprockets Removal

To remove sprockets, choose the appropriate tool for the sprocket.

For example, the lockring on a Shimano sprocket of 11-speed doesn't have the same shape as a Campagnolo sprocket. **NOTE:** Make sure the tool fits well into the lockring groove. Once you have found the appropriate tool, just have to fit the end member of a cassette hub or a freewheel.

1. Choose which release device.
2. Use **UNIOR** **UNIOX** tool for 11-speed. **NOTE:**









Check the locking of freewheel removal tool in data release counter-clockwise. Fixing the sprocket on the freewheel.

As a reminder, the tool must hold on with its blades completely and evenly the lockring.

On the other hand, if the whole wheel is being removed, it is necessary to use a larger tool with more teeth, such as the appropriate wheel. To ensure the freewheel property, this can only be done if the tool is held on and has the wheel counter-clockwise to remove the freewheel.

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3. The removal technique is different, but easier for a beginner, when you use **UNIOR** tools. Check the number of teeth on the free sprocket (11/12/13) or 16 teeth. **NOTE:**
4. Choose **UNIOR** **UNIOX** freewheel remover for 11/12/13 or 16 teeth.
5. Put on the stabilisation tool and position it parallel to the floor.
6. Insert **UNIOR** **UNIOX** tool on sprocket with 13/14/15/16 teeth and position it in opposition with the other tool, also parallel to the floor. **NOTE:**
7. Press down on both tools.
8. Once unlocked, bottom and remove the lockring with your tool.
9. Remove all the tools. The lock sprocket and the lockring are on the freewheel rim. **NOTE:**
10. Remove sprocket setting.

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Identifying Tools for Crank Removal

UNIOR **UNIOX** crank extractor is used on square-spindle bottom brackets. Shimano square-spindle bottom brackets with 68 mm top or 73 mm bottom bracket with 68 or 73 mm top. **NOTE:** Shimano 11-speed bottom bracket with 68 mm top. The freewheel hub diameter of 22 mm that can be fit inside up to 22 mm, which makes it compatible with various free-plate bottom bracket sets. With the extractor it's easier to make the right choice and avoid damaging your crank.

If you have problems extracting a crank, use other **UNIOR** extractor with a 17 mm adjustable wrench or open wrench to ease your work. This tool also has a 14 mm socket on its other end to remove crank arm balls.




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Identifying Tools for Bottom Brackets

UNIOR **UNIOX** tool for Shimano, SRAM and SRX fixed bottom bracket cartridge bottom brackets. **NOTE:** Shimano square-spindle bottom brackets with 68 mm top or 73 mm bottom bracket with 68 or 73 mm top. **NOTE:** Shimano 11-speed bottom bracket with 68 mm top. The freewheel hub diameter of 22 mm that can be fit inside up to 22 mm, which makes it compatible with various free-plate bottom bracket sets. With the extractor it's easier to make the right choice and avoid damaging your crank.

If you have problems extracting a bottom bracket set, do primarily remove you need more torque by the **UNIOR** **UNIOX** tool for Campagnolo and SRX fixed bottom brackets with 17 mm adjustable wrench or open wrench to ease your work. This tool also has a 14 mm socket on its other end to remove crank arm balls.






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Accessories



Unior Bicycle Mechanics Book #2