

*Handcrafted Wheels*

# WHEELWORKS

LYALL BAY

## WHAT CASSETTE SPACERS DO I NEED?

Over the past few years Shimano and SRAM have iterated their freehub body and cassette designs in order to accommodate more gears. This is good because it's allowed us to have tight-ratio 11 speed cassettes, but bad because it's caused a bit of confusion around the myriad of spacers which may or may not be required.



## SHIMANO 10 CASSETTE

You'll need to fit the **1.85mm** spacer which was included with your hub, **PLUS** the **1.0mm** spacer which was included with your cassette.

## SRAM 10 CASSETTE

You'll need to fit the **1.85mm** spacer which was included with your hub

## SHIMANO 11 OR SRAM 11 CASSETTE

**No** spacers are required.

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## REMEMBER:

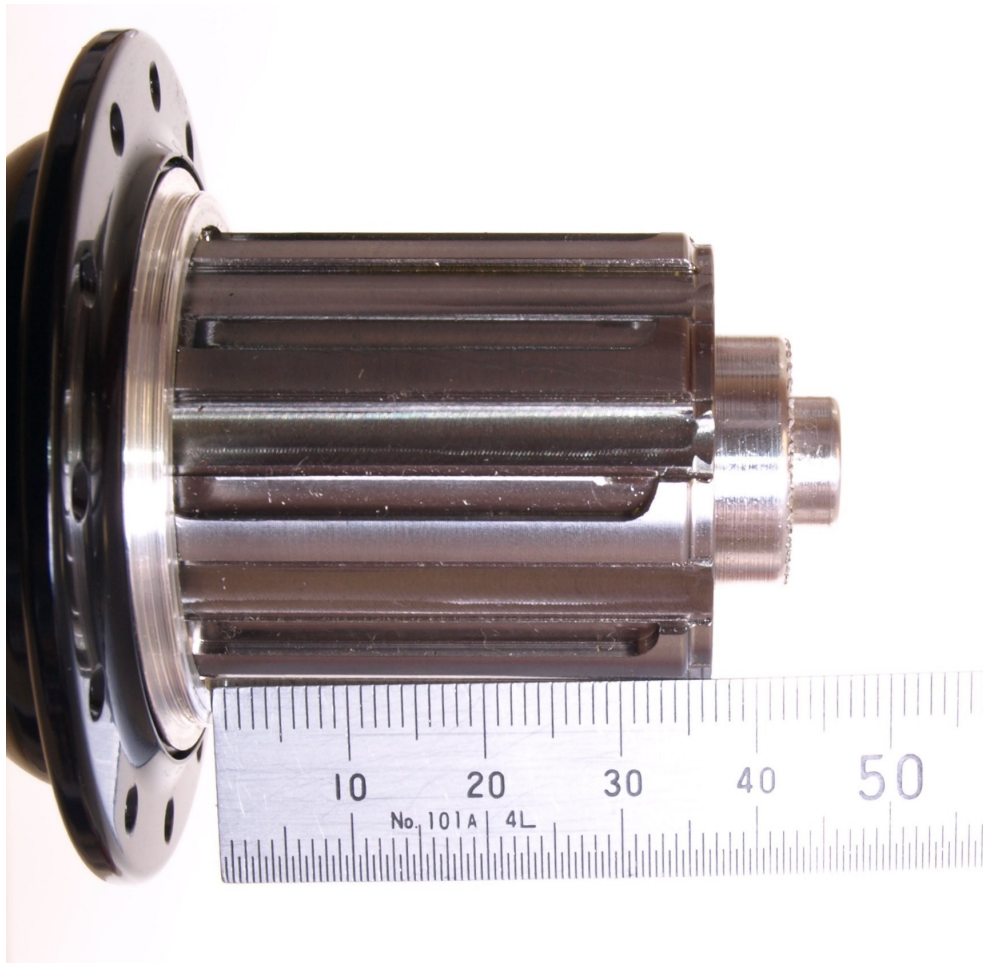
- These spacers go onto the freehub body before the cassette.
- Tighten the cassette lockring to 40N-m. If you don't have a torque wrench this can be described as “pretty friggin' tight!!” and you should have your forearm muscles bulging a little.

The lockring torque is essential to help with accurate shifting, reducing damage to the freehub body, and reducing creaking noise.

## WHAT FREEHUB BODY DO I HAVE?

10 speed freehub bodies are about 35mm in length. 11 speed freehub bodies (pictured) are about 37mm in length. It's important to measure from where the cassette would bottom-out to the end of the freehub body (not the end of the splines)

Your hub is 11 speed.



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