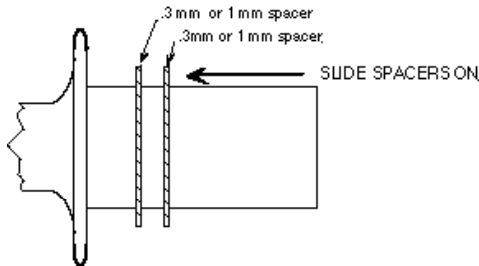
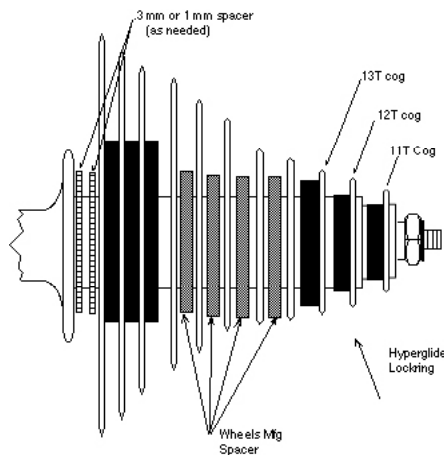
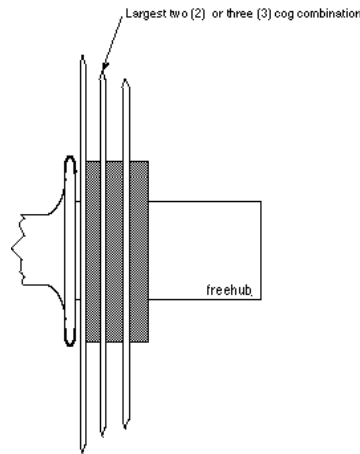


## Instructions for Accelerator version 11 SHIFTERS: Campagnolo 11 speed HUBS: Shimano compatible 8/9/10 speed

- 1) To properly install this cassette you will need the following: a hyperglide locking tool (Shimano part no. TL-HG16), an adjustable wrench to fit the locking tool, and cog removal tool (Wheels Manufacturing part no. CRT-A1). If you do not have these tools, have this installation completed by a professional bicycle mechanic.
- 2) If you find yourself using anything other than the above tools, seek professional help.



- 3) Begin by sliding on the largest cogs/carrier assembly. Hold the cog assembly against the freehub firmly and check for clearance. If any part of the cog assembly is touching (or is less than 0.5mm away from) the spokes or hub flange, remove the cogs and add a 0.3 or 1 mm spacer. Check clearance again. If the cogs still do not have sufficient clearance, you may add up to four (6) 0.3mm spacers and (2) 1 mm spacers.



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- 4) Assemble the remaining cogs and spacers to the freehub body.

5) Check to make sure last cog is fully engaged on the splines. \*Check that the outermost cog is able to engage fully against the splines on the freehub body. Test this by aligning the splines and firmly pushing the outermost cog against the rest of the cassette and trying to rotate the smallest cog clockwise (as under load). If the cog spins off of the splines, **DO NOT RIDE**. Remove and reinstall cassette according to instructions to insure all parts are correctly assembled. If cog still will not engage, try using fewer shims behind the large cog carrier assembly. If you cannot achieve proper clearance between the largest cog and the wheel and cannot get the smallest cog to properly engage the freehub splines, you may need to install a longer freehub body on your wheel.

- 6) After all cogs are mounted on the freehub, install the included extra-deep Wheels Manufacturing locking ring. Tighten to 40Nm using torque wrench and locking tool.

\* Before installing wheel, we recommend checking dropout alignment, as proper shifting requires aligned dropout.

- 7) Install wheel and tighten quick release skewer according to manufacturer's specifications. \*We recommend now checking derailleur alignment.

### Adjusting the shifting:

- 1) Adjust derailleur as needed. We suggest starting the adjustment from the middle of the cassette, as opposed to the smallest or largest cog.
- 2) Correct final adjustment may not necessarily match another wheel installed on your bike. The overall spacing is the same but another wheel could sit differently in your frame. The included shims may also be used to reorient the cogset to the left or right (space permitted) to achieve matching cog position with other wheels used in the same frame.
- 3) We will not guarantee shifting performance unless you have a 11 speed campy shifter, a 11 speed Campagnolo rear derailleur, a 11 speed Campagnolo chain, and new cables with index (non-compression) housing.

**It is recommended you use a Campagnolo 11 spd crankset**

**Note: Wheels Mfg. accepts no responsibility for the shifting performance of a cassette not installed by a professional bicycle mechanic.**

**Attention!** Ten speed indexing is a delicate operation that may not work efficiently on bicycles that have vertical, semi-vertical, or replaceable dropouts. This includes many titanium, composite and aluminum frames. For correct shift indexing, the derailleur jockey pulley must be as close as possible to the cassette cogs. If shifting hesitates when in large front chainring and smaller cassette cogs, try one or all of the following: 1) reduce "B" tension on derailleur, 2) increase chain length, and/or 3) shorten cable housing leading into derailleur. Also note that most indexed systems shift better under load; i.e. not in the work stand, but while riding. If shifting is not optimal with wheel freely spinning in work stand, test ride and compare results while shifting under load.

Thank you for purchasing a precision made  
Wheels Manufacturing product.  
Your comments and questions are appreciated.

**MADE IN THE U.S.A.**