N360™ READ ME FIRST!

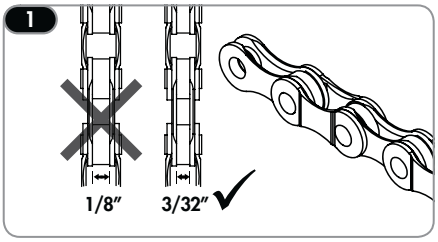
NuVinci® N360™ CVP Setup Guidelines

VIDEOS ONLINE: Go to ***www.nuvinci.com/N360video***

Chain Requirements (3/32" Only)

1 Due to tight clearances at the *N360* Hub Interface, the *NuVinci N360* is **incompatible** with 1/8 inch (3.18mm) single-speed chains. Use only 3/32 inch (2.3mm) chains and sprockets.

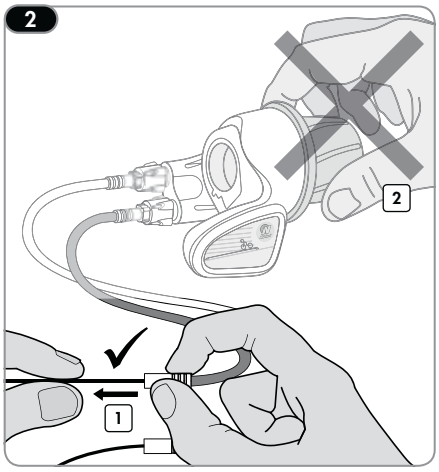
- If using a *NuVinci* supplied 17, 18, or 20-tooth sprocket, **only use 7 or 8-speed chains** (9 or higher speed chains are too narrow for the NuVinci sprocket).



Shifter / Cable Handling

2 As shown in the Technical Manual, install cable end hardware only by ***pulling*** cables at the end of the housing **(1)**.

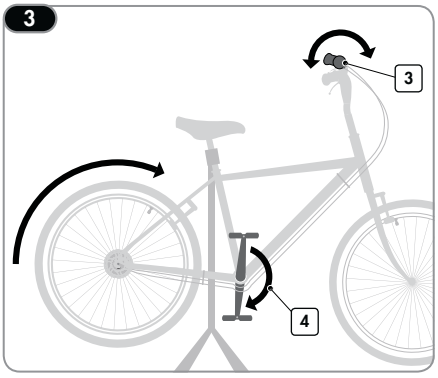
- Never rotate the grip **(2)** with cables unattached, as they can bind inside the shifter.



Checking Shift Range

3 With installation complete, ***check the shift range while pedaling the bicycle.***

- The *NuVinci N360* cannot be shifted **(3)** completely through the ratio range while stopped.
- 50-70% range is typically accessible, with the remainder accessible with very little pedal rotation **(4)**.



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Cable End Hardware Assembly Aids

If your *NuVinci N360* came with two plastic aids for installing the cable end hardware, follow the directions below; otherwise refer to "Installing Shift Cables and Hardware" in the *N360* Technical Manual (Section **2.15**).

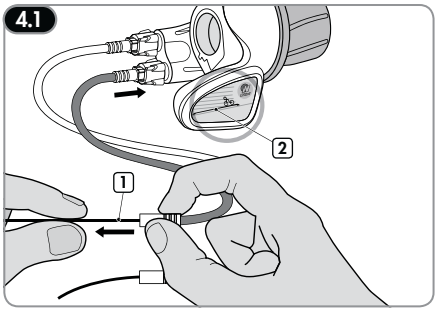
4.1 Pull the underdrive shift cable **(1)** firmly at the rear axle location until it stops, checking to make sure that the *NuVinci* shift indicator **(2)** goes completely flat.

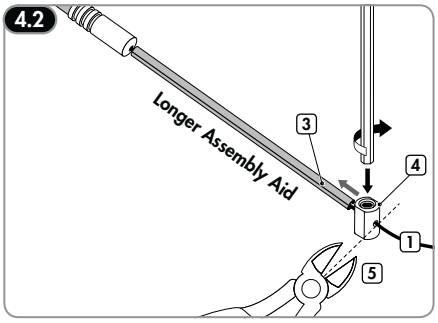
4.2 Pass the underdrive shift cable **(1)** through the longer assembly aid **(3)**,then through the UD cable stop **(4)** and secure the UD cable stop at the end of the longer assembly aid while pulling the cable to remove slack.

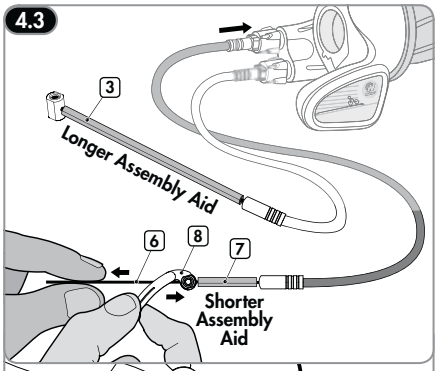
- Ensure that the cable housing is seated fully at the shifter.
- Using a 2mm allen wrench, secure the cable and torque to 1.5-2.0 Nm (13-18 in-lbs).
- Cut the excess cable at a maximum of 2.0mm from the end of the UD cable stop **(5)**.

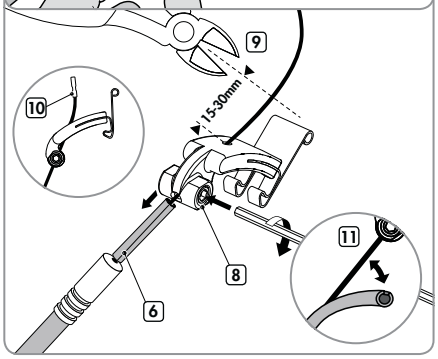
4.3 With the UD cable stop attached **and the longer assembly aid still attached (3)**, pass the overdrive shift cable **(6)** through the shorter assembly aid **(7)**, then through the OD latch **(8)** and secure the OD latch at the end of the shorter assembly aid while pulling the cable to remove slack.

- Ensure that the cable housing is seated fully at the shifter.
- Using a 2mm allen wrench, secure the cable and torque to 1.5-2.0 Nm (13-18 in-lbs).
- Cut the excess cable at a distance of 15-30mm **(9)** from the exit of the OD latch **(8)**, and crimp a cable end **(10)**.
- Remove both assembly aid tubes by pulling the shift cables through the slits **(11)**.









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Sprocket Requirements

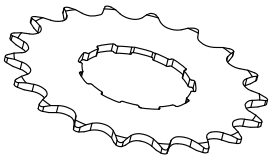
5.1 If using a sprocket other than provided, the sprocket must be a standard 9-spline 3/32 inch (2.3mm) sprocket.

- *NuVinci N360* is **incompatible** with 1/8 inch (3.18mm) single-speed chains and sprockets.

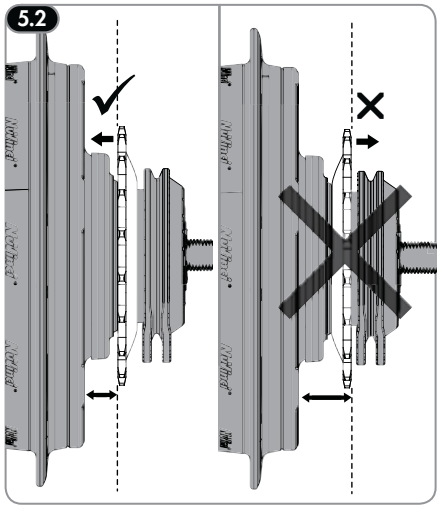
5.2 If using an asymetric sprocket, the flat side must be mounted toward the center of the bicycle to position the chain as close to the hub as possible.

- Use the appropriate spacer for your sprocket, if applicable. The Sprocket Snap Ring should seat fully and secure the sprocket without play.
- See Approved Gearing chart for your application.

5.1



5.2



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NuVinci® N360™ Approved Gearing

Regular Pedal Bikes and Front Hub Motor E-Bikes

Human Power (only) through *NuVinci N360* CVP

Minimum Sprocket Ratio = (Front Chain Ring Teeth) / (Sprocket Teeth)

Minimum Sprocket Ratio 1.8 : 1

Front Chain Ring	Rear Sprocket 16	17	18	19	20	21	22
40 & Above	✓	✓	✓	✓	✓	✓	✓
39	✓	✓	✓	✓	✓	✓	✗
38	✓	✓	✓	✓	✓	✓	✗
36	✓	✓	✓	✓	✓	✗	✗
34	✓	✓	✓	✓	✗	✗	✗
33	✓	✓	✓	✗	✗	✗	✗
32	✓	✓	✗	✗	✗	✗	✗
30	✓	✗	✗	✗	✗	✗	✗
28 & Below	✗	✗	✗	✗	✗	✗	✗

Frame Mount Motor E-Bikes

250W (rated) Motor + Human Power through *NuVinci N360* CVP

Minimum Sprocket Ratio = (Front Chain Ring Teeth) / (Sprocket Teeth)

Minimum Sprocket Ratio 2.1 : 1

Front Chain Ring	Rear Sprocket 16	17	18	19	20	21	22
48 & Above	✓	✓	✓	✓	✓	✓	✓
46	✓	✓	✓	✓	✓	✓	✗
44	✓	✓	✓	✓	✓	✓	✗
42	✓	✓	✓	✓	✓	✗	✗
40	✓	✓	✓	✓	✗	✗	✗
39	✓	✓	✓	✗	✗	✗	✗
38	✓	✓	✓	✗	✗	✗	✗
36	✓	✓	✗	✗	✗	✗	✗
34	✓	✗	✗	✗	✗	✗	✗
33	✓	✗	✗	✗	✗	✗	✗
32 & Below	✗	✗	✗	✗	✗	✗	✗