

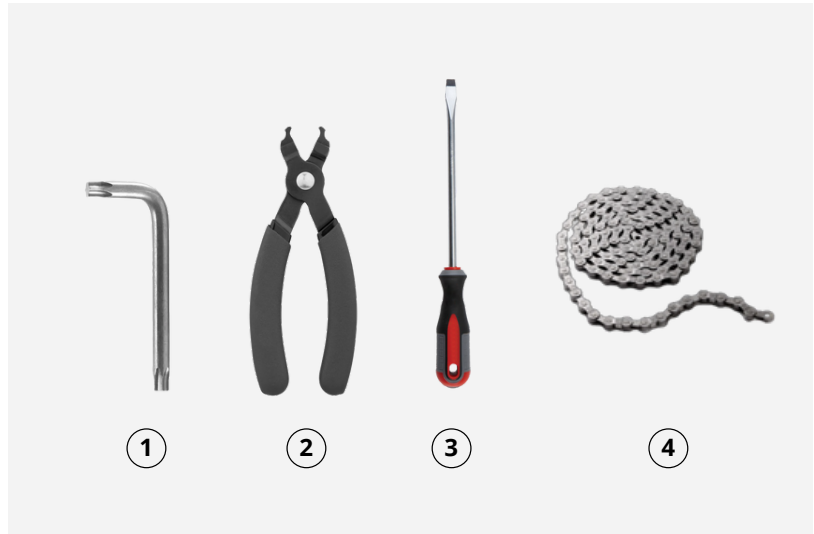


## **CARBON CERAMIC DERAILLEUR FOR SHIMANO 105 DI2 12 SPEED**

*105 R7150*

## TOOLS NEEDED

1. T10 Torx key
2. Chain remover
3. Flat screwdriver
4. New chain



## INSTALLATION VIDEO

For installation tutorial video, please follow the instructions in the "How To Install your Nova Ride Shimano 12 Speed Oversize carbon pulley cage" video to properly mount your new cage on our Nova Ride Youtube channel.

Scan this QR Code to access our installation video and social media.



# STEP 1

SHIMANO 105 Di2 12 SPEED version is assembled in the same way as the SHIMANO ULTEGRA / DURA-ACE 12 SPEED version, but it is not the same model.

1. Remove the rear wheel of your bike.
2. Remove the chain by using the chain remover.



3. Shift your derailleur to the biggest sprocket.
4. Unscrew the derailleur screw by using the T10 Torx key.



5. Hold the Shimano cage firmly and twist it clockwise to remove it.

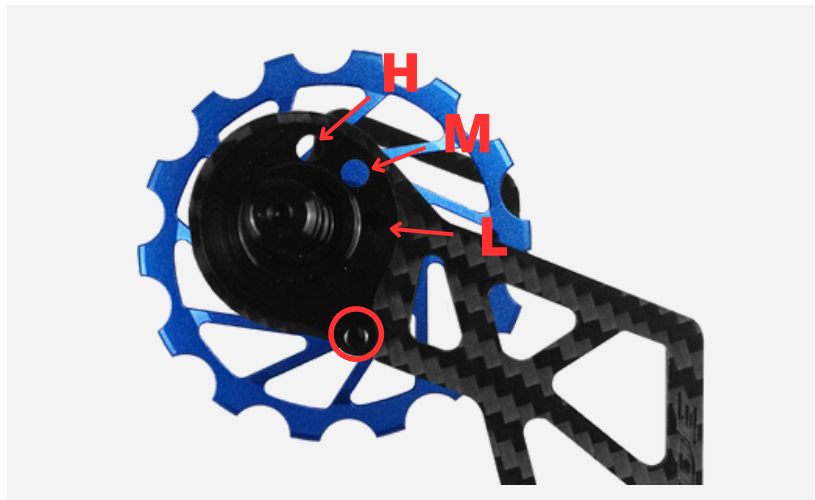


## STEP 2

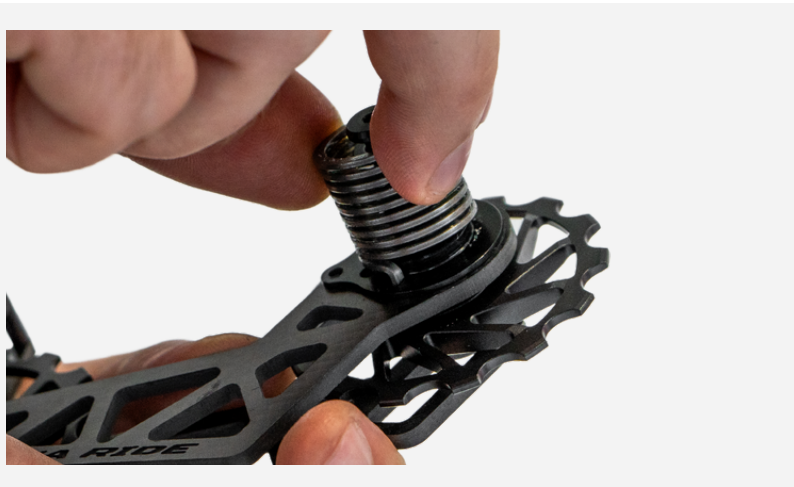
1. Once there is no more tension, remove the derailleur cage. Save the spring and the seal for later.



2. Take your new Nova Ride CCD and unscrew the stopper circled in red in the photo.
3. L Low = Increases performance and lower chain tension  
M Middle = Recommended tension hole  
H High = Better shifting and higher chain tension



4. Take the Nova Ride cage and insert the spring in the hole you choose, as in the photo.



## STEP 3

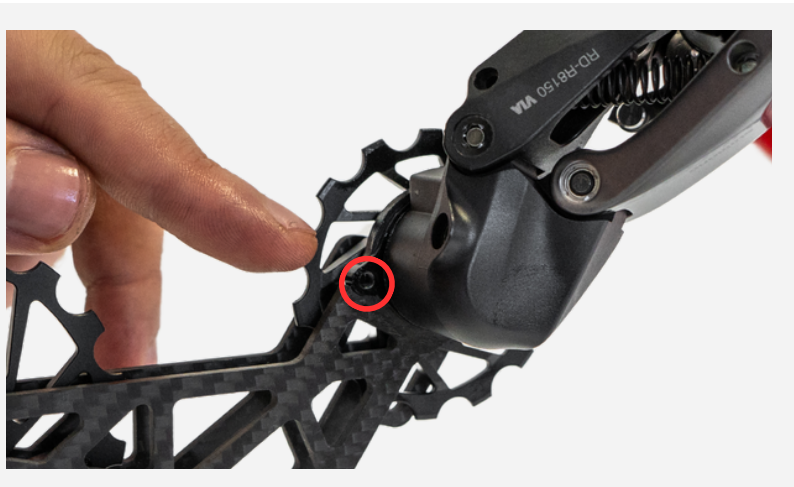
1. Put the seal on the spring in the same direction as in the photo.



2. Put the Nova Ride CCD in the derailleur and rotate it counterclockwise as pictured.



3. Rotate the Nova cage until you see the stopper screw pitch (circled in red).

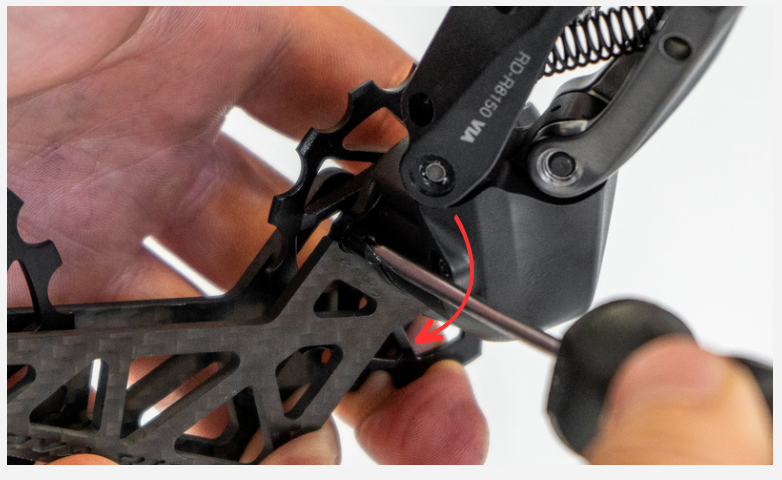


## STEP 4

1. Reinstall the original derailleur screw by using the Torx key.



2. Screw the stopper back on, with a little of Loctite, by using the flat screwdriver.



3. Shift your derailleur back down to the smallest sprocket.
4. Reinstall your rear wheel.
5. Then refer to the next page for your chain length and derailleur adjustment.



# LAST IMPORTANT SETTINGS

**To ensure the best riding performance make sure that your new Nova Ride Carbon Ceramic Derailleur cage is mounted correctly.**

You can follow the next instructions below or watch our YouTube video tutorial "How To Calculate The Correct Chain Length and Set-up the Gear Shifting": <https://www.youtube.com/watch?v=r1z0D6rfHJA>

## **CHAIN LENGTH ADJUSTMENT STEPS :**

1. The chain length changes because the Nova Ride pulley wheels are bigger. So, it is strongly recommended to use a new chain. We recommend adding 3 to 5 links to your previous chain.
2. Put the chain on the smallest sprocket of your cassette and on the smallest chainring of your crankset.
3. In this configuration, the stopper must not be in contact with the derailleur body. Make sure to let around 1 to 3 millimeters between the two parts.

## **NOVA RIDE CCD CAGE AND DERAILLEUR ADJUSTMENT STEPS:**

1. Put and hold your Nova Ride carbon cage perpendicular to the ground.
2. Then, set with the tension screw the derailleur b-limit gap so that the teeth of the biggest cassette gear is around 5 millimeters from the upper wheel's teeth of your Nova Ride CCD.
3. Now to finish the installation, you only need to check and re-adjust the indexation of your derailleur, this regarding to the Shimano standard and advice.

**You are now ready to go! Enjoy your ride with your new Nova Ride Carbon Ceramic Derailleur.**

You can review us on Trustpilot : <https://www.trustpilot.com/review/novatoride.com>

# MAINTENANCE

No set of rules can be made for how often your part have to be maintained. Our sealed bearings are protected with the alloy covers and enable a longer lifespan. We designed these parts in a way that you will not have to worry about maintenance or technical issues. No lubricants or grease are required to put on the bearings. During your rides, dirt may get between the cover and the bearings, you can remove it with water or a degreaser.

**Please note that these are dry bearings, so do not use any lubricant.**

# WARRANTY TERMS

Nova Ride warrants all products to be free from defects in materials and workmanship. The warranty is effective from the original date of purchase. The warranty covers all Nova Ride products. It is non-transferable and valid to the original purchaser of the product only.

## **Ceramic Pulley Wheels & Carbon Ceramic Derailleur : 4 years warranty**

Any Nova Ride product found to be defective in materials and/or workmanship will be repaired or replaced at the discretion of Nova Ride. It is the sole responsibility of the product's user to inspect and examine the product on a regular basis to determine the need for correct maintenance or replacement.

Not covered under the warranty program : Products determined to be tampered with, modified or neglected, products that have been misused, products in lack of maintenance, products that are subject to normal wear and tear, products affected by a crash or sudden obscure impact, products damaged due to improper installation/reinstallation, products used for any purpose other than the intended use and second hand purchased products.

Fully ceramic sealed bearings so indeed there is no risk of oxidation.



# CONTACT

## **Email for After Sales Service**

sav@novatoride.com

## **Email for Product info**

info@novatoride.com

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## **Instagram**

nova2ride

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# ENJOY THE RIDE

