

Installation and Maintenance

OSPW ALPHA for Shimano GRX/XTR/XT

ceramicspeed

MAINTENANCE

No set of rules can be made for how often your Oversized Pulley Wheels are to be maintained. Maintenance frequency depends on the weather conditions that you are riding in.

A worn chain will increase the wear on the pulley wheels significantly, so make sure that you change your chain before it is completely worn out.

We recommend the use of CeramicSpeed Oil on the OSPW ALPHA system. This can be purchased from the CeramicSpeed dealers worldwide or from our webshop. Watch our maintenance video on ceramicspeed.com in the Support section.





For the ALPHA Disc pulley with ADR, maintenance of the bearings should occur at least one to two times per year, every 10.000 km/6.000 miles in normal conditions, or every 5.000 km/3.000 miles in extreme or harsh conditions.

Remove the back side cage plate & both pulleys to clean all components thoroughly. With the ADR shields removed, carefully remove the bearing seals and flush the bearings following the UFO Bearing Cleaner instructions.

Apply a few drops of UFO Pulley Oil and reinstall the pulley seals. Take careful note of the rotation direction of the pulleys with ADR when reinstalling into the cage. The cage tower bolts are torqued to 1,5Nm.

For the 5-Spoke alloy pulleys, maintenance of the bearings should occur at least two to three times per year, every 5.000 km/3.000 miles in normal conditions, or every 3.000 km/1.800 miles in extreme or harsh conditions.

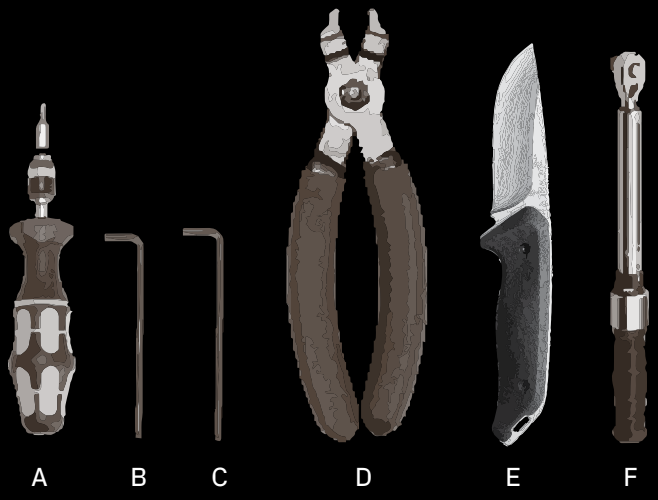
Remove the back side cage plate & both pulleys to clean all components thoroughly. Carefully remove the bearing seals and flush the bearings following the UFO Bearing Cleaner instructions. Apply a few drops of UFO Pulley Oil and reinstall the pulley seals. Take careful note of the rotation direction of the pulleys when reinstalling into the cage. The cage tower bolts are torqued to 1,5Nm.



TOOLS REQUIRED

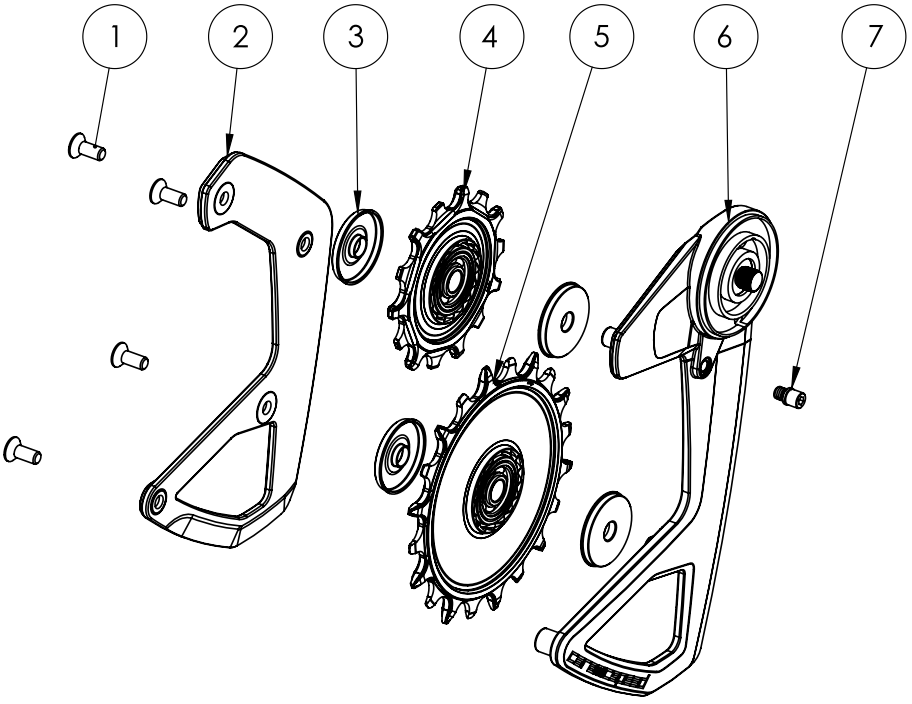
For the installation of your new CeramicSpeed OSPW ALPHA for Shimano GRX/XTR/XT you will need the following tools:

A. Phillps screwdriver
B. 2,5 mm Allen key
C. 5 mm Allen key
D. Chain Tool
E. Fine edge knife
F. Torque wrenchs (1,5 Nm and 6Nm)



INSTALLATION THE CERAMICSPEED OVERSIZED PULLEY WHEEL SYSTEM ALPHA FOR SHIMANO GRX/XTR/XT

Pos.	Description
1	Cage bolts
2	Back cage plate
3	Stainless steel ADR Dust Cover
4	14T Upper ALPHA Disc
5	20T Lower ALPHA Disc
6	Front cage plate
7	Rotation stop screw



INSTALLATION MANUAL

To ensure the very best in riding performance it is vital that your new OSPW ALPHA System is installed correctly. Follow these instructions to install your OSPW ALPHA System for Shimano GRX/XTR/XT:

1

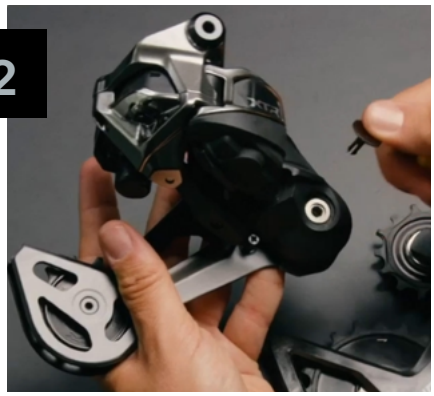


Start with the bike in a stand.

Remove the chain, this may be reused if in good condition and measured accurately.

Remove the derailleur from the bike.

2



Remove the cover from the front of the derailleur body with a fine edge knife. You will reuse this cover upon reassembly

3



Shift the rear derailleur into the lowest gear (Biggest sprocket), to make sure that the cage can rotate clear from the derailleur body.

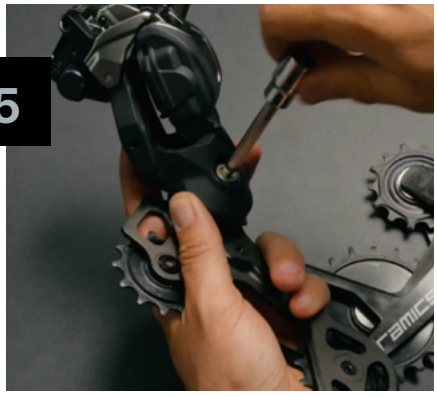
4



Remove the stock rotation stop bolt and carefully allow the cage to rotate clockwise to remove spring tension.

CAUTION: Spring tension is very tight!

5



Use the 5mm Allen key to remove the cage installation bolt.

6



Remove the cage from the rear derailleur. Remove both springs from the stock cage. You will reuse the springs and installation bolt.

7



Unbox the OSPW system.

Remove the stop bolt on the OSPW.

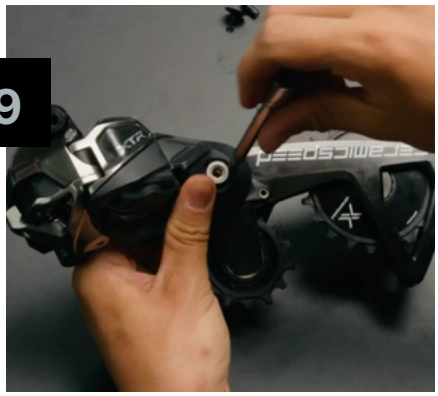
Place the springs into the spring holes on the OSPW cage.

8



Align the OSPW cage to the rear derailleur and insert the springs into the slots within the rear derailleur body.

9



Apply grease to the sides and theads of the installation bolt, and use a 5mm Allen key to thread the bolt through the derailleur and onto the cage, and tighten to 6Nm.

10



Wind the spring counter clockwise to add tension to the cage. Reinstall the stop bolt to a torque of 1.5Nm.

Ensure that the cage moves freely and smoothly without binding.

CAUTION: Spring Tension is very tight!

11



Install the cover for the cage bolt by pressing it into place until it clicks.

12



Install the rear derailleur onto bike.

13



Install the original chain. If a new chain is being installed, follow the OEM chain length measuring method from Shimano.

Check the high and low limit screws.

For troubleshooting tips, please visit **here** or scan the QR-code.

UP TO A LIFETIME WARRANTY

Thankfully, we do not have to deal with warranty issues often. Nevertheless, we are happy to introduce you to our comprehensive warranty program.

Standard products 4 years	**Lifetime warranty products**
Headsets	BB ALPHA
Oversized Pulley Wheel Systems	ALPHA Disc OSPW Systems
Pulley Wheels	All OSPW Cages
Single Bearings	Coated Headsets
Wheel Kits	Coated OSPW Systems
	Coated Pulley Wheels
	Coated Single bearings
	Coated Wheel Kits
	SLT OHD Headsets
	SLT OPD Pivot bearings

We are committed to manufacturing and delivering the best ceramic bearing products in the industry. Should your CeramicSpeed product not live up to your expectations, and this is caused by defects in materials and/or workmanship, we encourage you to contact us.

Registeryour product within the first 30 days of purchase by clicking here or go to ceramicspeed.com/cycling under the section Support. Should you thereafter, and within the warranty period need to file a claim, please return to the same section on our website and fill in your claim. We will always strive to revert to you concerning your claim within 24 hours.