

CERAMIC SPEED

Oversized Pulley Wheel
System for SRAM eTap
Mounting &
Maintenance



Congratulations with your new CeramicSpeed Oversized Pulley Wheel System for SRAM eTap

Personally, I want to thank you for joining the growing number of CeramicSpeed users worldwide. The Oversized Pulley Wheel System you have bought is developed and handmade in Denmark and contains the unique CeramicSpeed Balls and components, carefully chosen from high quality suppliers.

Our aim, as the world's best performing ceramic bearings and optimised racing chains manufacturer, is to deliver products that contribute to your performance as a rider. We are confident that you will love your new purchase.

To ensure the best lifetime and performance, it is important that your new Oversized Pulley Wheel System is mounted and maintained correctly. Familiarise yourself with the technical information supplied in this brochure. Should you have any concerns or issues, please contact your local dealer or the technical department at CeramicSpeed, at any time.

Happy and safe riding, and once again welcome to CeramicSpeed.

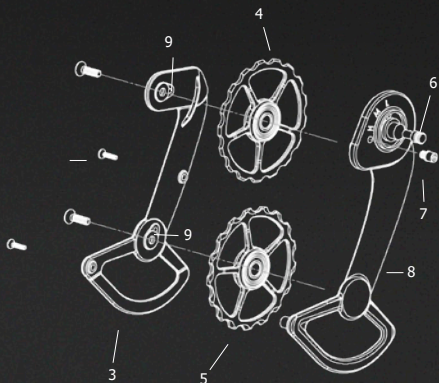
Best regards,
CeramicSpeed



Martin Banke
Managing Director

Part of the Victory

Mounting Manual



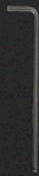
Pos.	Description
1	Pulley wheel bolts
2	Tower bolts
3	Back cage plate
4	Upper pulley
5	Lower pulley
6	Cage pivot
7	Rotation stop screw
8	Front cage plate
9	Pulley wheel lubrication points

Tools required

For the installation of your new CeramicSpeed Oversized Pulley Wheel System for SRAM eTap (henceforth referred to as OSPW System) you will need the following tools:



A



B



C



D

A. Chain Tool

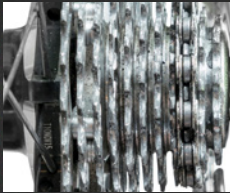
B. Allen key (2.5 mm)

C. Small flat screwdriver

D. Torx T6 screwdriver (Note that this is supplied in the product package)

Mounting the CeramicSpeed Oversized Pulley Wheel System for SRAM eTap

To ensure the very best in riding performance it is vital that your new OSPW System is mounted correctly. Follow these instructions to install your OSPW System for SRAM eTap:



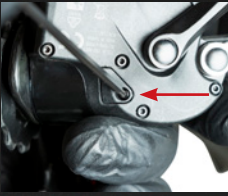
- 1.** Begin with your bike mounted in a stand. Shift to the lowest (smallest) cog and remove the rear wheel. Shift the derailleur to the largest (most open) gear setting for easier access.



- 2.** Using the proper chain tool, remove your chain. When completing the installation of the OSPW System you will need to use a new, uncut chain. Note: it is not recommended to add links to a previously ridden chain.



- 3.** Carefully rotate the derailleur hanger counter clockwise (adding spring tension) to access the pulley cage rotation stop screw. Using a 2.5 mm Allen key carefully remove this screw and set aside. Slowly allow the cage to unwind the spring tension until the cage is upside down and slightly forward.



4. Rotate the entire derailleur body clockwise to view the bottom of the body. Locate the triangular door panel and remove the T6 torx screw. Set aside, you will need the door and screw later.



5. Behind the door you will now see the cage locking pin. Hold the pulley cage assembly at the upper pulley (located at the cage pivot) and carefully extract the locking pin using a small flat screwdriver or pick.



6. The locking pin will slide straight out and free the cage pivot from the derailleur body. Once the pin is removed, carefully slide the pulley cage assembly away from the derailleur body.



7. Prepare the new OSPW System by removing the rotation stop screw (7) with a 2.5 mm Allen key. Lightly grease the tip of the cage pivot (6) on the new OSPW System before installation.



8. When installing the OSPW System, take note of which spring tension you wish to set: H (high), M (medium), or L (low). The L tension setting will reduce both chain tension and friction, but will also result in slightly compromised shifting performance. The H tension setting provides the best in shifting performance, yet it will increase friction performance slightly over the L and the M tension settings.



9. Align the OSPW System in an upside-down manner at the back of the derailleur body. Once aligned, fully insert the OSPW mounting post - cage pivot (6) and tension spring - into the derailleur body and check for smooth movement. There should be no binding or forcing within or when rotating the system.



10. Hold the cage securely to the derailleur body and reinsert the locking pin to the derailleur body. It is easiest to do this if the derailleur is rotated upside-down to avoid the pin from falling out. The pin should fully seat into the derailleur and now hold the cage from falling outwards.



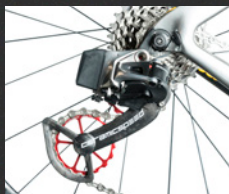
11. Locate and reinstall the triangular door and the small T6 screw. Be sure to align the screw properly and support the derailleur body with your hand while installing the screw.



12. The OSPW cage will now appear to be facing fully forward. Rotate the cage counter clockwise to add spring tension and access the rotation stop screw mounting point. Hold the OSPW cage forward and install the rotation stop screw (7) with a 2.5 mm Allen key to 0.3 Nm torque. Slowly release hand pressure from the OSPW System cage, allowing the cage to rotate back and rest on the rotation stop screw (7).



13. Shift the derailleur to the smallest gear and reinstall the rear wheel. Starting in the 'small-small' gear combination, install a new full length chain and shorten until there is clearance between the bottom of the chain and the upper pulley wheel (4). Adjust the B-tension screw until there is a small clearance between the upper pulley wheel (4) and the smallest gear on the cassette.



14. Now check the clearance on the upper portion of the cassette for both the B tension adjustment and the chain length. Running the longest chain that provides successful shifting will result in the lowest friction. Note that hanger alignment is crucial for gear shifting performance. We recommend that you use a derailleur hanger alignment gauge to secure the correct fitting of your OSPW System.

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. Under normal conditions, we recommend that you maintain the Oversized Pulley Wheels when you have ridden under wet conditions, washed your bike or each time you lubricate the chain. For normal maintenance, add a drop of oil into the lubrication points (9) for optimal performance. You will find the lubrication points on the back cage plate (3). Make sure to position the OSPW System horizontally to ensure that the oil reaches the Oversized Pulley Wheel bearings.



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

When travelling, your OSPW System will not fit in the bike travelling bag. We recommend that you dismount the whole rear derailleur and pack it aside.

EXTENDED MAINTENANCE

Approximately once every half a year we recommend that you provide an extended maintenance. In this case, you should dismount the Oversized Pulley Wheels from the cage, remove the seals from both sides and clean all parts in a shaker with degreaser. After cleaning, dry the components off, put two drops of oil onto the CeramicSpeed Balls, place the seals back on and remount the Oversized Pulley Wheels. When dismounting the cage plates, you will need a 2.5 mm Allen Key for the pulley wheel bolts (1) and a 2 mm Allen key for the tower bolts (2). To remount the screws, tighten the pulley wheel screws up to a max torque of 1 Nm and the tower bolts up to 0.3 Nm. For this, a torque tool is recommended. If you're riding in wet and muddy conditions, we recommend you to provide an extended maintenance more frequently and replace oil with All Round Grease for a better protection.

Up to 6 years warranty

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

Standard products 4 years

- Bottom Brackets
- Pulley Wheels
- Wheel Kits
- Headsets
- Oversized Pulley Wheel Systems
- Single Bearings

Coated products 6 years

- Bottom Brackets
- Pulley Wheels
- Wheel Kits
- Headsets
- Oversized Pulley Wheel Systems
- Single 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.




Register your product within the first 30 days of purchase on ceramicspeed.com/sport under the section Warranty. 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.

Benefit from other products in the CeramicSpeed family

A broad range of CeramicSpeed products is available for you to upgrade your bike. Apart from the OSPW Systems you can upgrade with CeramicSpeed Bottom Brackets, Wheel Kits, Pulley Wheels and UFO Racing Chains, available for most standards and brands on the market. You have also the chance to upgrade with Headsets.

CeramicSpeed manufactures the cycling industry's leading, most sought-after ceramic bearings and optimised chains. Delivering exceptional performance, our OSPW System provides you with increased energy savings, smooth drivetrain performance and unmatched lifetime.

It is proven that CeramicSpeed Bearings installed in the bottom bracket, wheels and pulley wheels can save a rider between 6-9 watts. On top of that, thanks to the CeramicSpeed UFO Racing Chains we deliver an additional energy saving between 2-5 watts. The new OSPW Systems add a saving of minimum 1.6 watts (SRAM) and minimum 2.4 watts (Shimano) to boost your performance and round up the total savings to 10-16 watts. Many of the fastest World Tour riders and international triathletes choose to ride CeramicSpeed – simply because it makes a difference.

-  Verfügbar in Deutsch auf:
-  Accessibles en français sur:
-  Disponible en español
a continuación en
nuestro sitio web:

ceramicspeed.com/sport/techlab



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