

microSHIFT
Advent / Advent
X Clutch Rebuild
Medium Cage Clutch
Rear Derailleur



microSHIFT Advent / Advent X Clutch Rebuild Medium Cage Clutch Rear Derailleur Instruction Manual

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Instruction Manual 

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microSHIFT Advent / Advent X Clutch Rebuild Medium Cage Clutch Rear Derailleur



Product Specifications

- **Product Name:** Advent / Advent X Clutch Rebuild
- **Model Number:** RD007-001
- **Manufacturer:** www.microSHIFT.com

Product Usage Instructions

Part I

1. Disconnect the shift cable and remove the derailleur from the bicycle.
2. Switch the clutch to the off position.
3. Remove the pulley wheels using a 3mm hex wrench.
4. Inspect the pulley wheels for wear.

Part II

1. Remove the return spring stop screw with a Philips head screwdriver.

Part III

1. Unwind the cage of the derailleur clockwise. Note: Be cautious as you will be working against the wound return spring.

Part IV

1. Remove the clutch cover with a Philips screwdriver.

Part V

1. Unscrew the clutch pawl assembly (Y-RD302) from the back of the derailleur body using a Philips head screwdriver.

Part VI

1. Remove the clutch pawl assembly and clean it with isopropyl alcohol.
2. Apply a small amount of wet lubricant to the mechanism and wipe off any excess.
3. Do not leave residual lubricant that can contaminate the friction washers in the clutch ratchet assembly.

Part VII

1. Reinstall the clutch pawl assembly and apply a drop of blue Loctite 242 to Y-RD302 mounting screws.
2. Torque the screws to 2.5nm and ensure proper seating by slightly rotating the cage.

Part VIII

1. Wind the cage anticlockwise while holding the derailleur body aside and reinstall the cage set screw at 2nm torque.

Part IX

1. Test the clutch to ensure proper engagement.
2. Apply blue Loctite 242 to the pulley bolts and reinstall them with a 3mm hex wrench.
3. Torque the pulley bolts to 2.5nm.

Frequently Asked Questions

- **Q:** Is it necessary to use Loctite 242 during reinstallation?
 - **A:** Yes, it is recommended to apply a drop of blue Loctite 242 to ensure secure mounting of components.
- **Q:** Can I skip cleaning the clutch pawl assembly with isopropyl alcohol?
 - **A:** It is crucial to clean and lubricate the assembly to maintain optimal performance and prevent contamination.

Before Installing

Important Notice

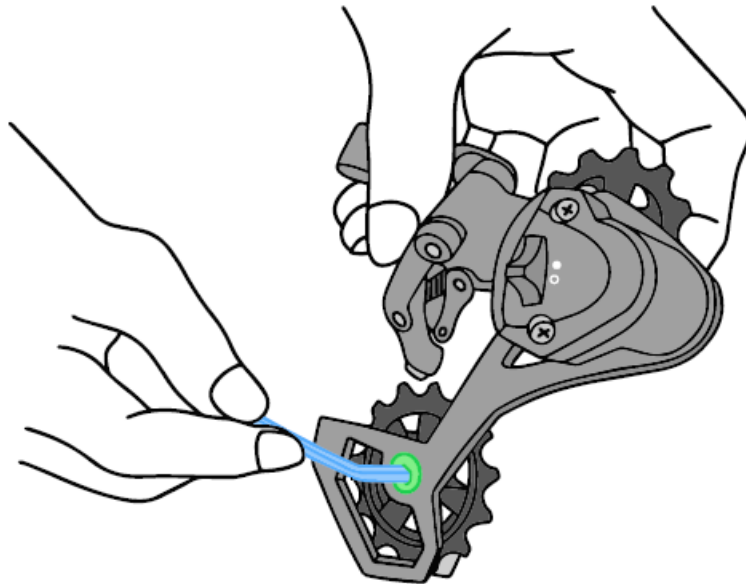
REMINDER

Before installing the products, please read and understand the installation procedures. Improper installation can lead to premature product failures or even injuries. If you have any questions on how to install it, please contact us or consult with a professional bicycle mechanic.

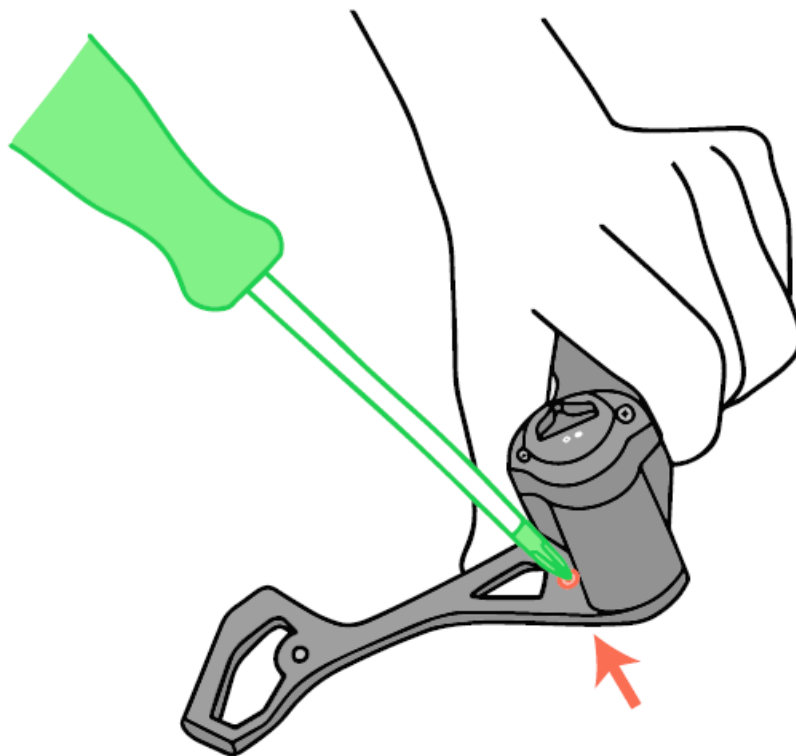
INSTALLATION INSTRUCTIONS

Clutch Rebuild

- With the shift cable disconnected and the derailleur removed from the bicycle, switch the clutch to the off position.
- Remove the pulley wheels with a 3mm hex wrench.
- Inspect the pulley wheels for wear.

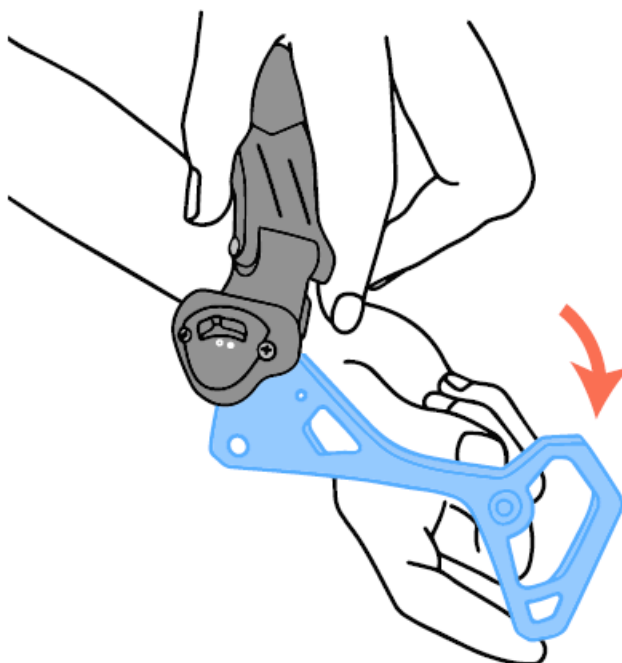


- Remove the return spring stop screw with a Philips head screwdriver.

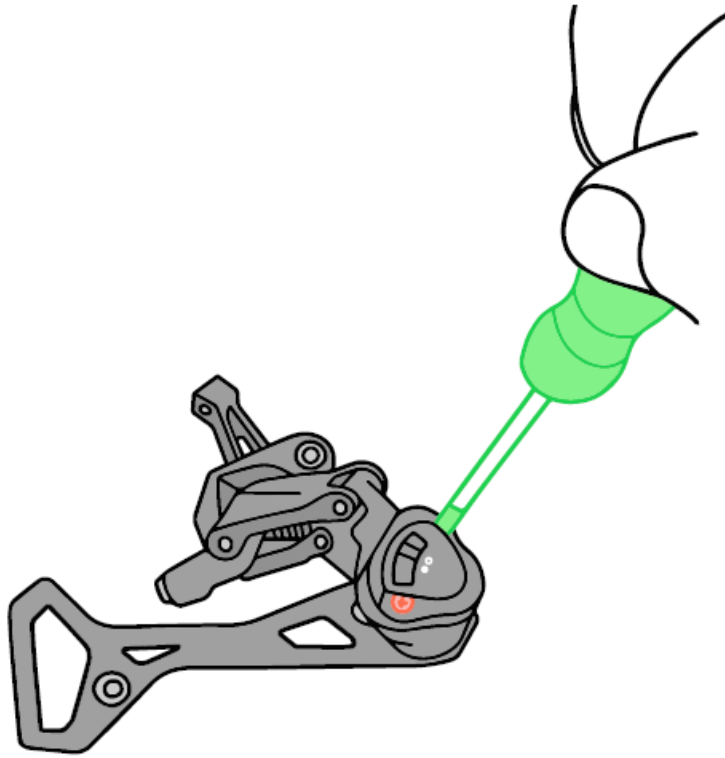


- Unwind the cage of the derailleur clockwise .

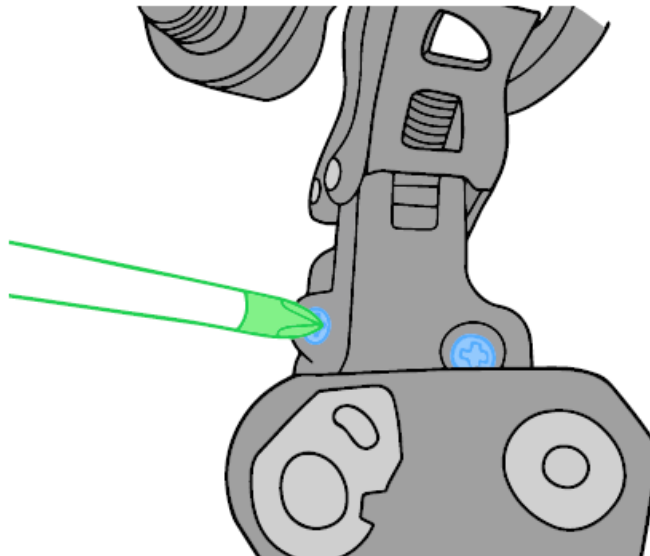
WARNING: You will be fighting the wound return spring. Be careful to not hurt yourself.



- Remove the clutch cover with a Philips screwdriver.

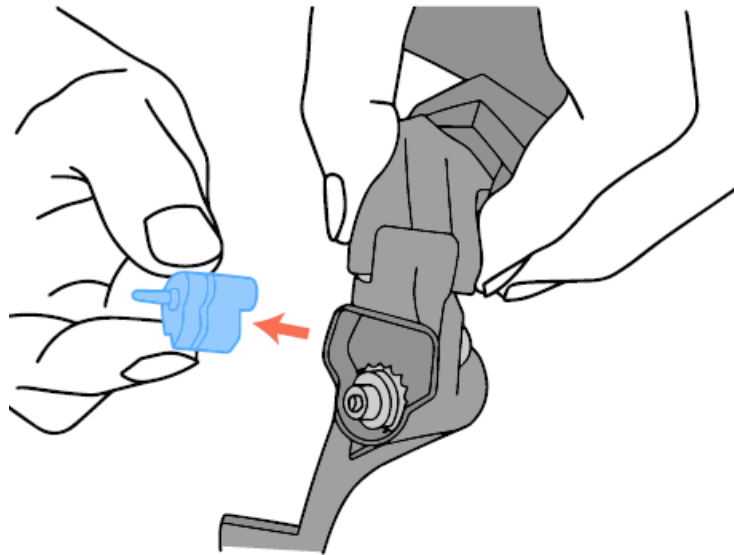


- From the back of the derailleur body, unscrew the clutch pawl assembly (Y-RD302) with a Philips head screwdriver.

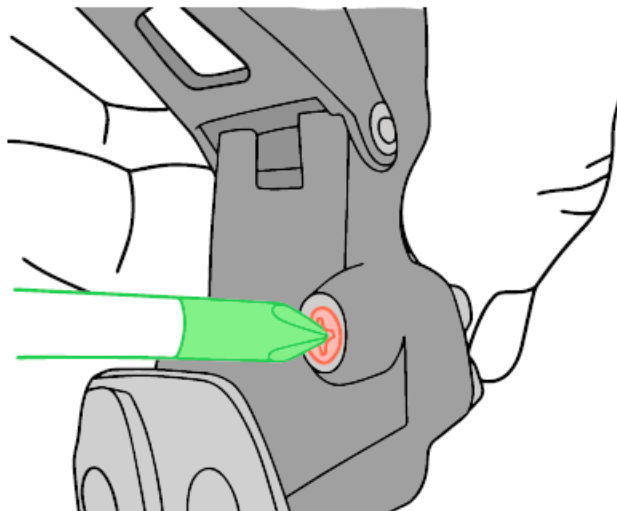


- Remove the clutch pawl assembly (Y-RD302) from the derailleur body. Clean the assembly with isopropyl alcohol. When dry apply a small amount of wet lubricant to the mechanism. Wipe off all excess.

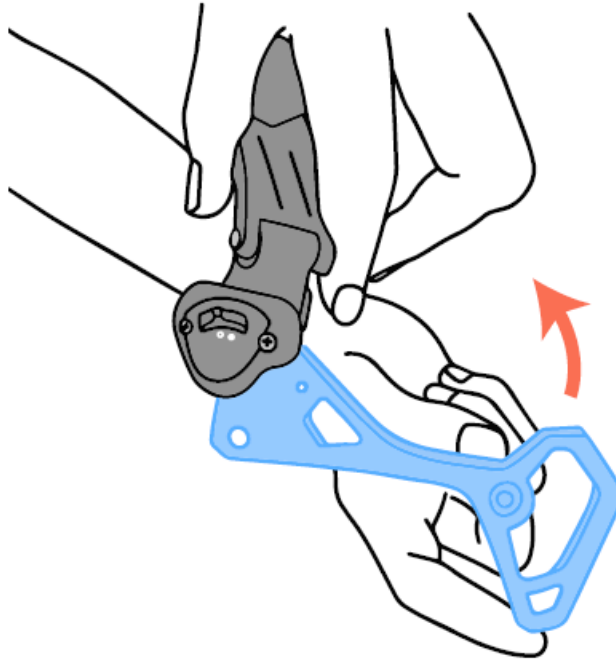
NOTE: Residual lubricant can contaminate the friction washers in the clutch ratchet assembly.



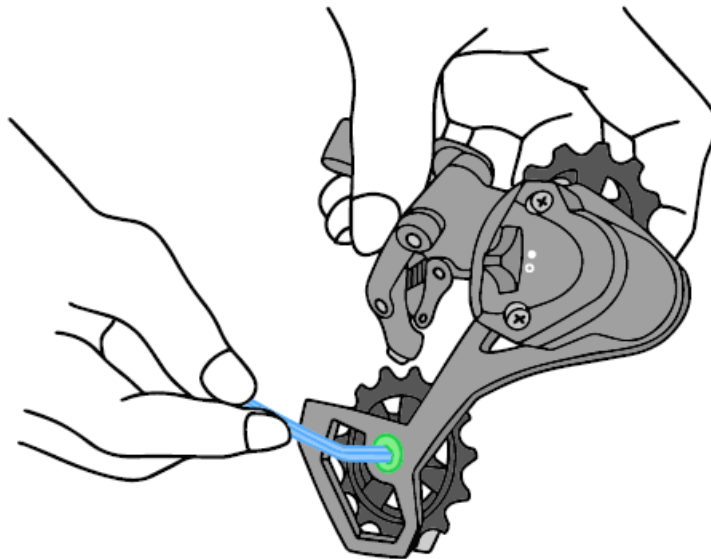
- Do not disassemble the clutch ratchet assembly.
- Reinstall the clutch pawl assembly. Apply a drop of blue Loctite 242 to Y-RD302 mounting screws and torque to $\approx 2.5\text{nm}$.
- Slightly rotate the cage to make sure the assembly is fully seated.



- Wind the cage anticlockwise while holding the derailleur body out of the way and reinstall the cage set screw $\approx 2\text{nm}$.



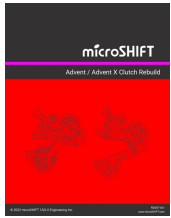
- Test the clutch and make sure it is engaging.
- Apply blue Loctite 242 to the pulley bolts and reinstall the derailleur pulley wheels with the 3mm hex wrench.
- Torque pulley bolts to $\approx 2.5\text{nm}$.



CONTACT

- www.microSHIFT.com

Documents / Resources



[microSHIFT Advent / Advent X Clutch Rebuild Medium Cage Clutch Rear Derailleur](#) [pdf] |
Instruction Manual
Y-RD302, RD007-001, Advent Advent X Clutch Rebuild Medium Cage Clutch Rear Derailleur, A
dvent Advent X Clutch Rebuild, Medium Cage Clutch Rear Derailleur, Cage Clutch Rear Derail
leur, Clutch Rear Derailleur, Rear Derailleur, Derailleur

References

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- [User Manual](#)

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