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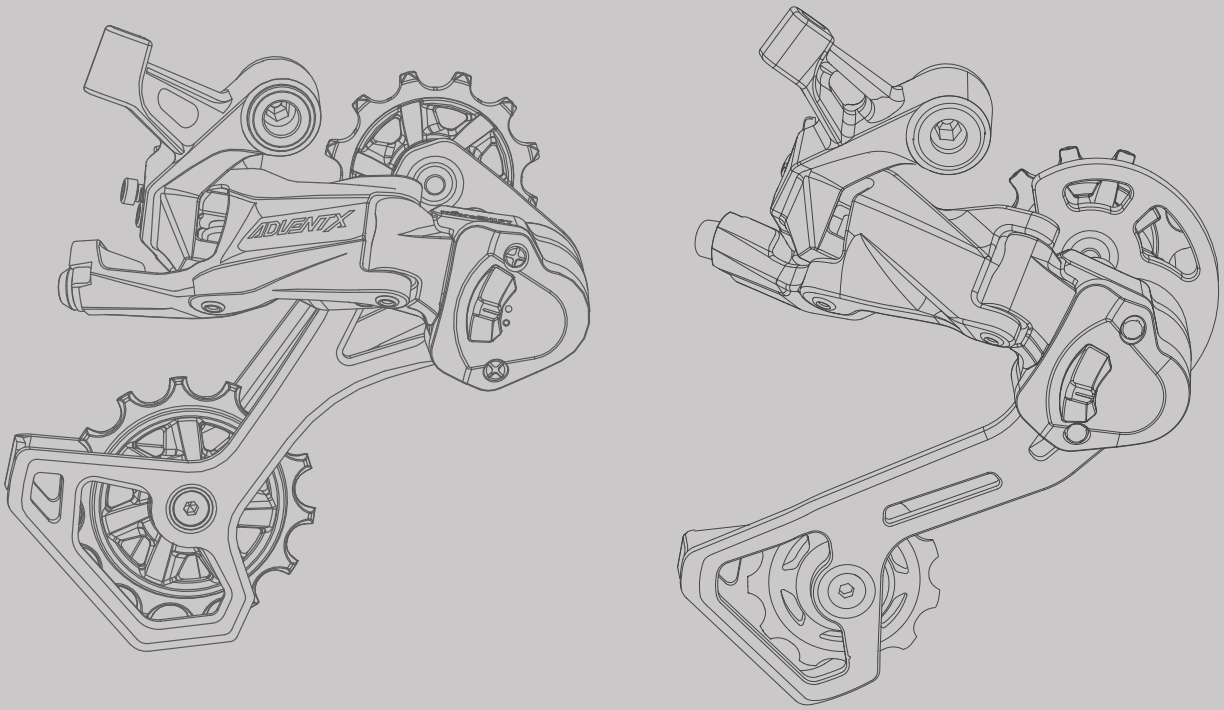
Advent / Advent X Clutch Rebuild



RD007-001
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Important Notice

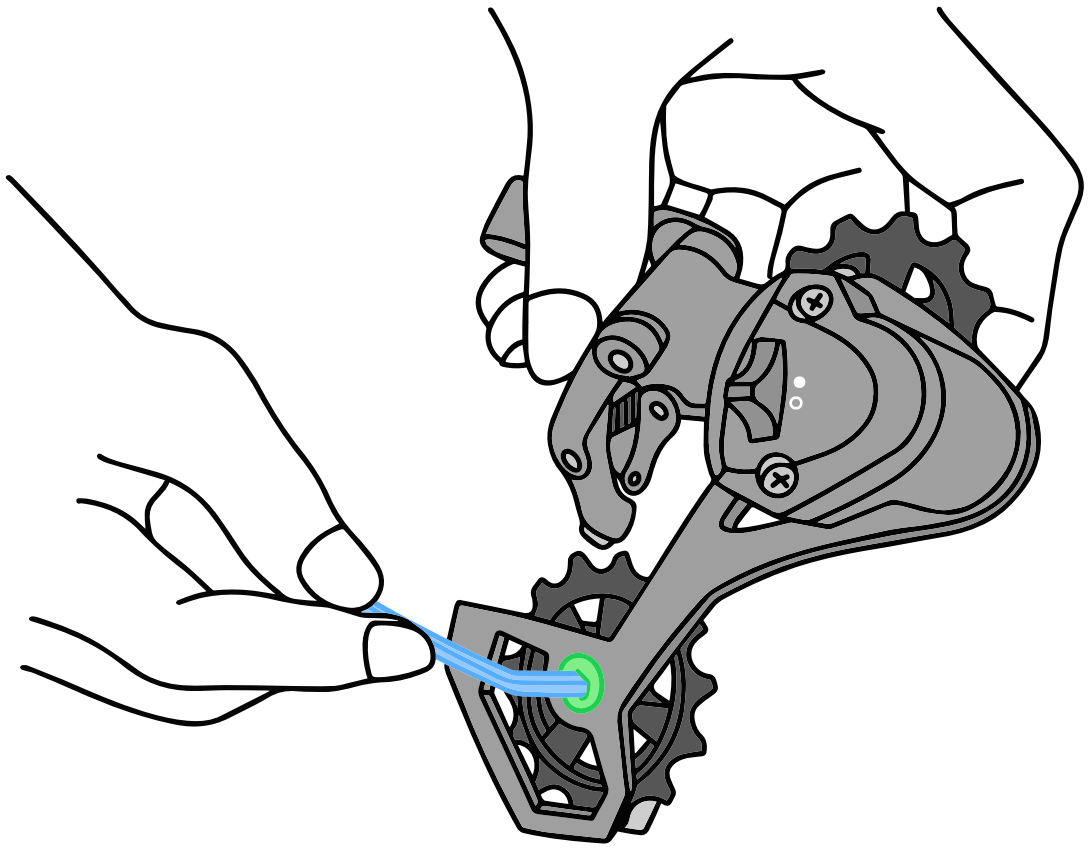
REMINDER

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, please contact us or consult with a professional bicycle mechanic.

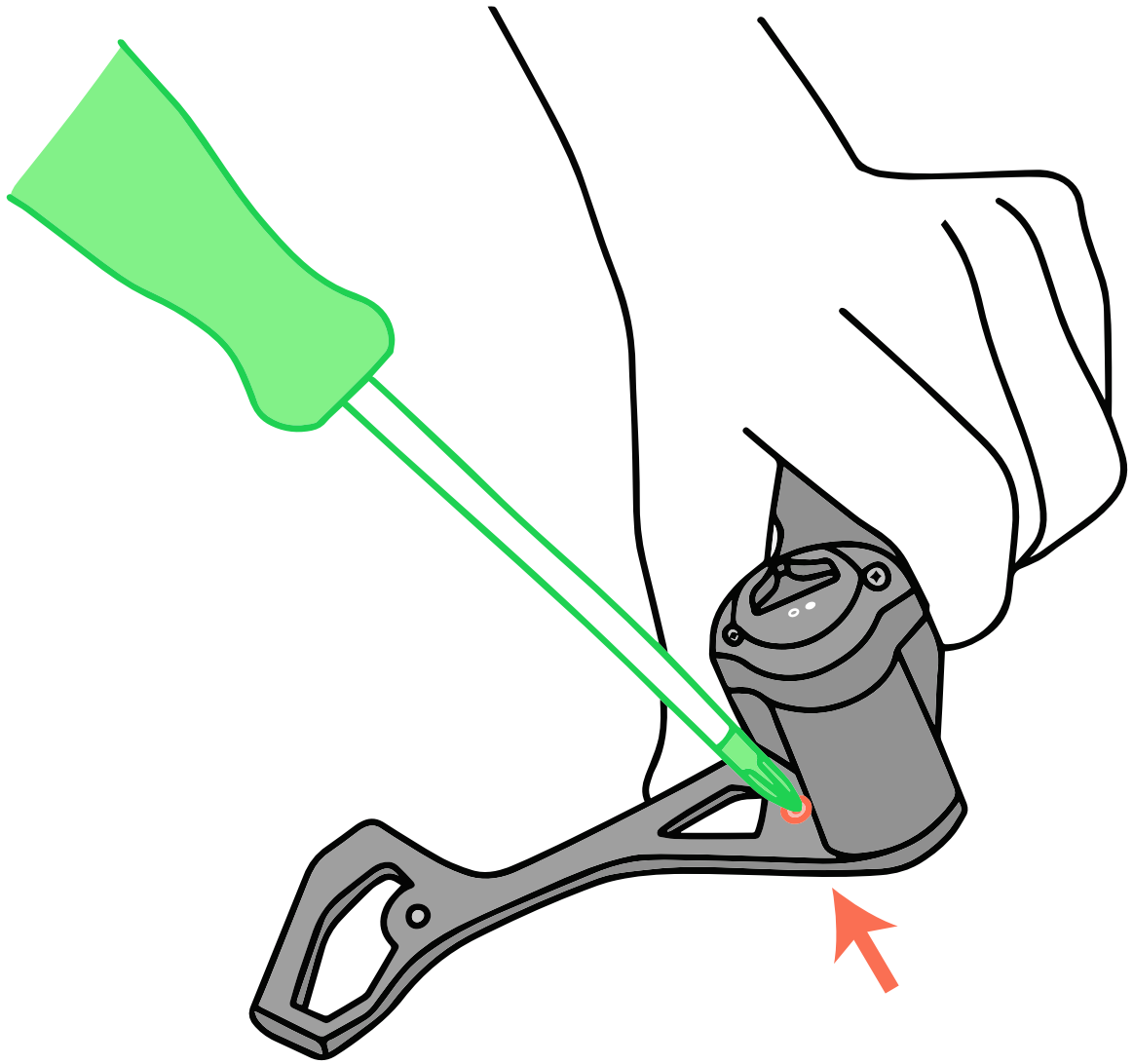
With the shift cable disconnected and the derailleur removed from the bicycle, switch the clutch to the off position.

Remove the pulley wheels with a **3mm hex wrench**.

Inspect the pulley wheels for ware.

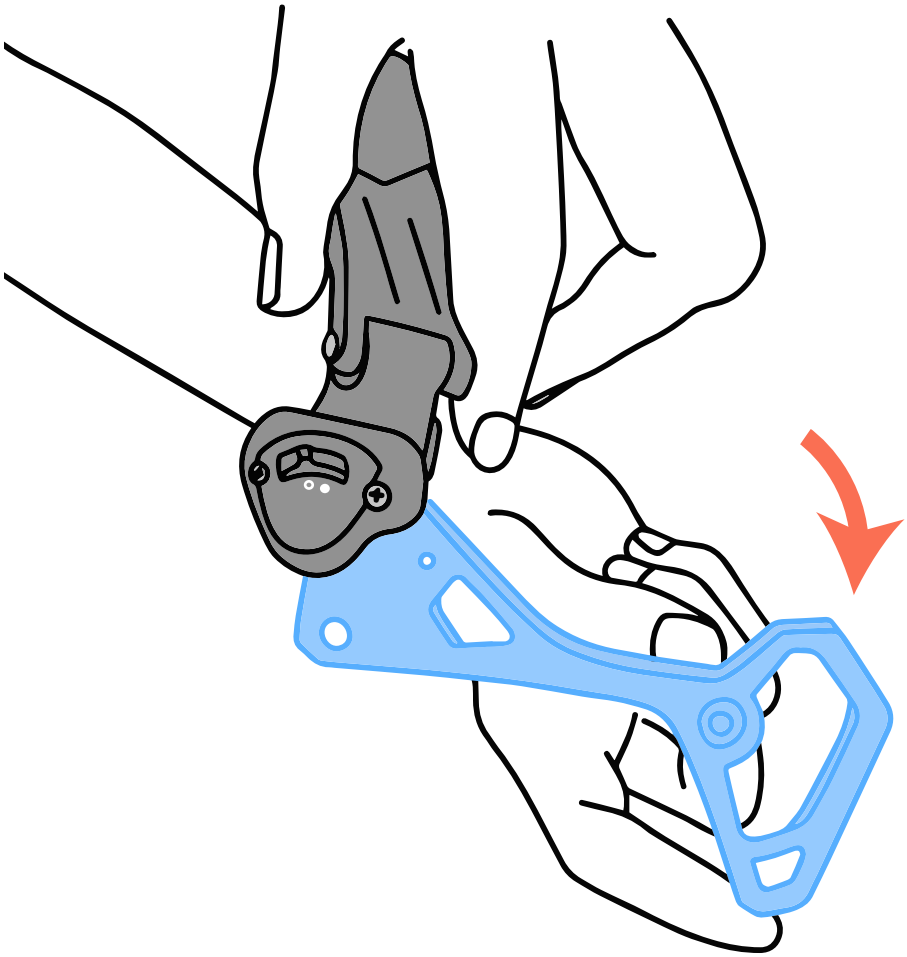


Remove the **return spring stop screw** with a **Philips head screwdriver**.

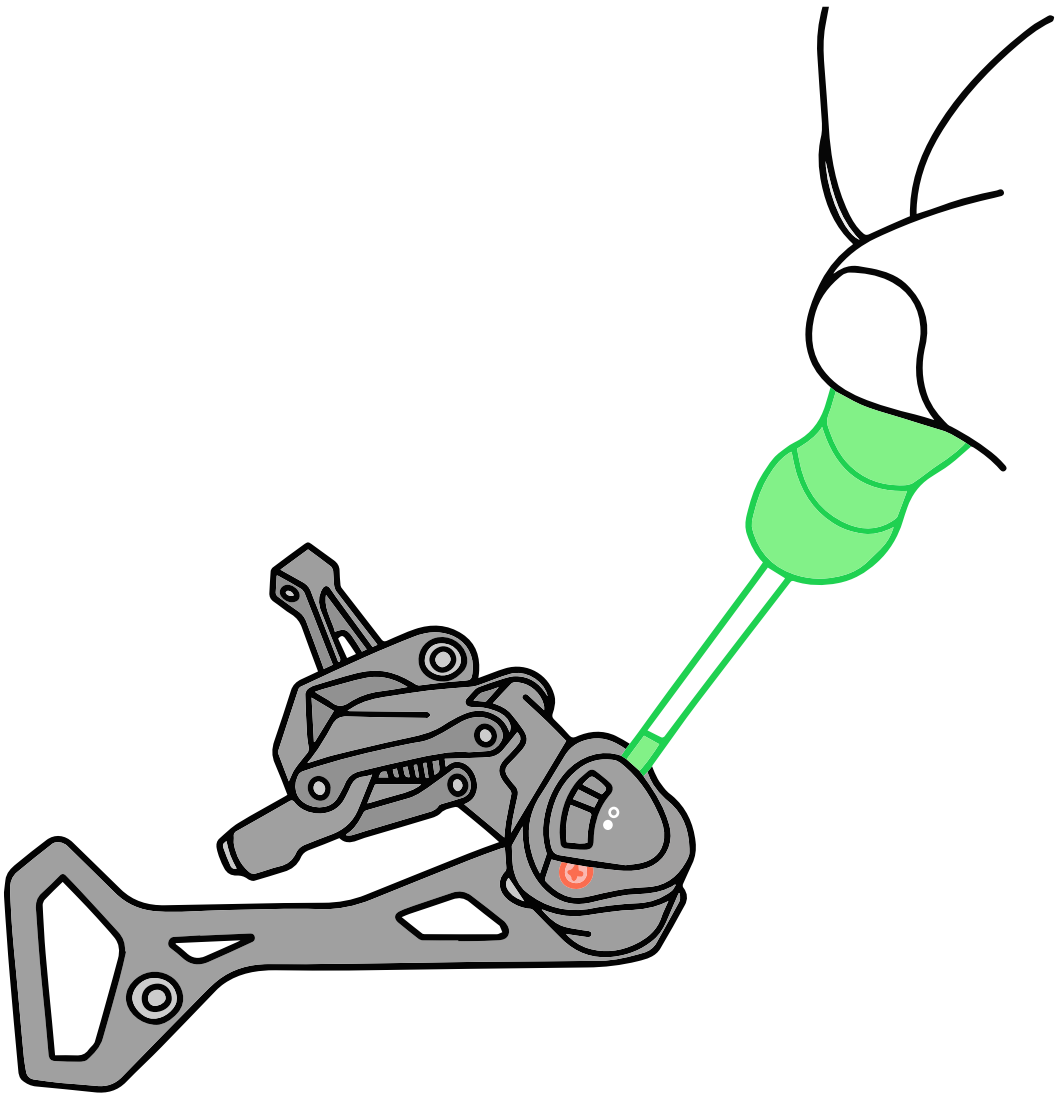


Unwind the cage of the derailleur clockwise .

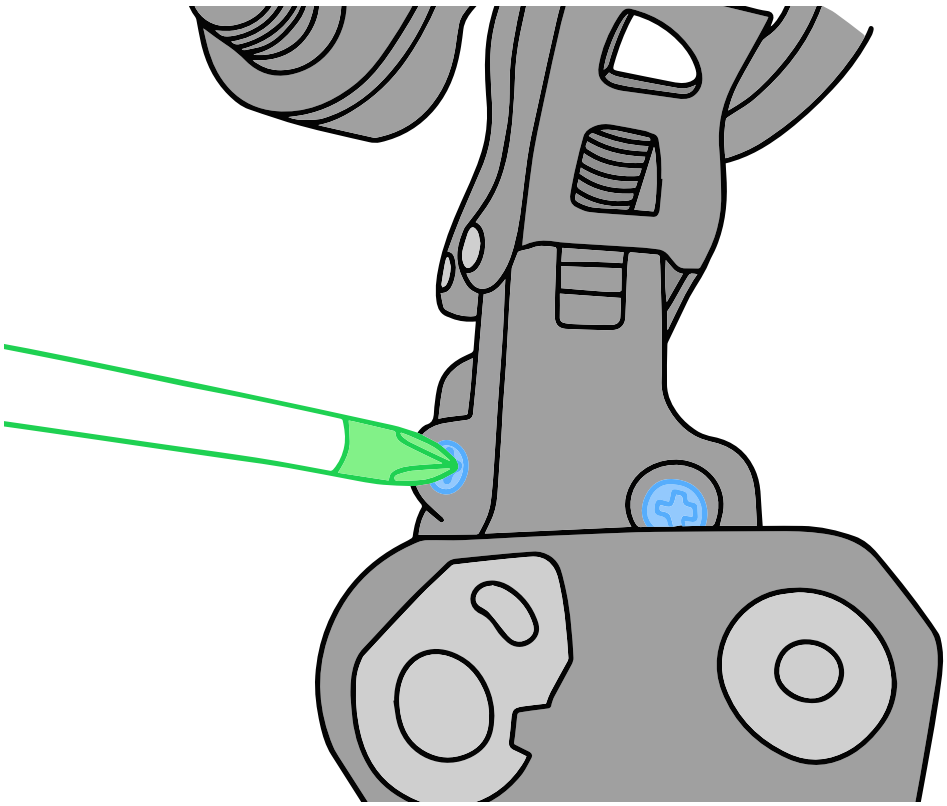
WARNING: You will be fighting the wound return spring. Be careful to not hurt yourself.



Remove the clutch cover with a **Philips screwdriver**.

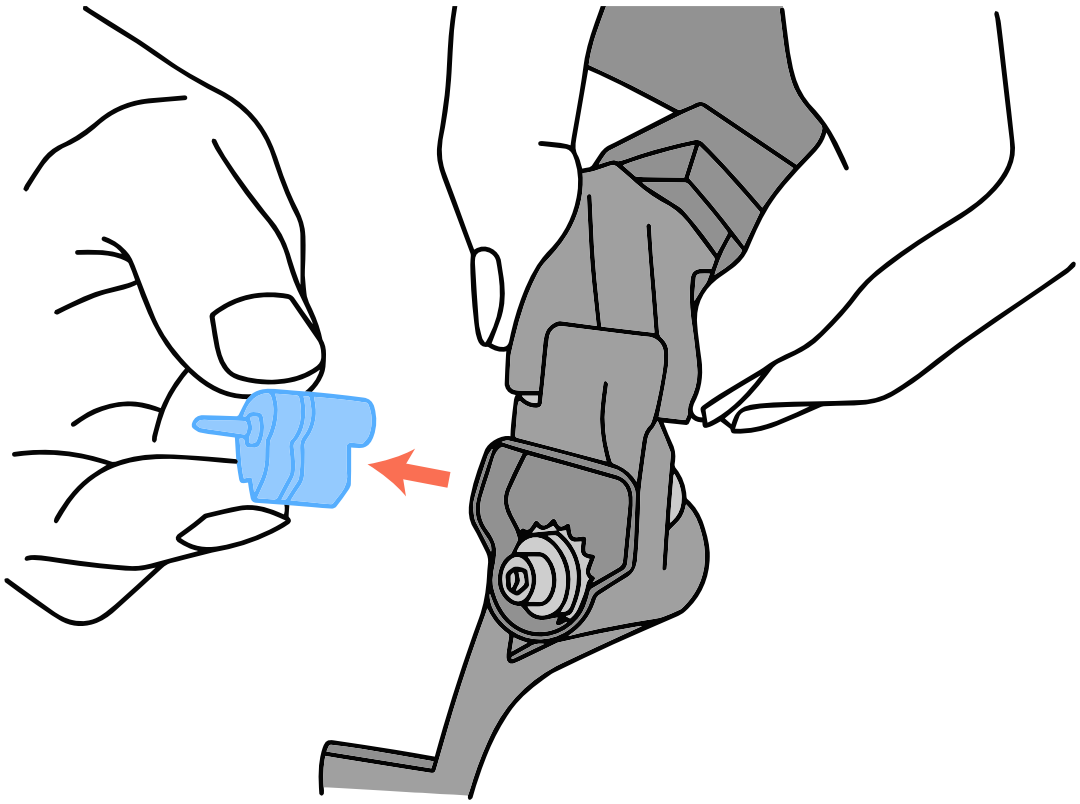


From the back of the derailleur body, **unscrew** the clutch pawl assembly (Y-RD302) with a **Philips head screwdriver**.



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.

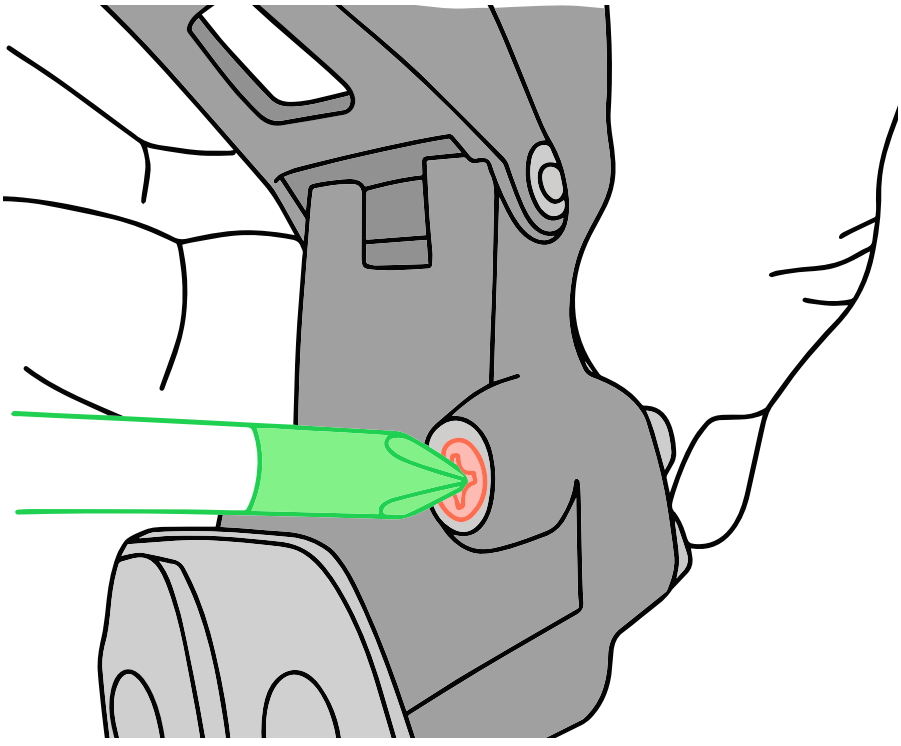
NOTE: Residual lubricant can contaminate the friction washers in the clutch ratchet assembly.



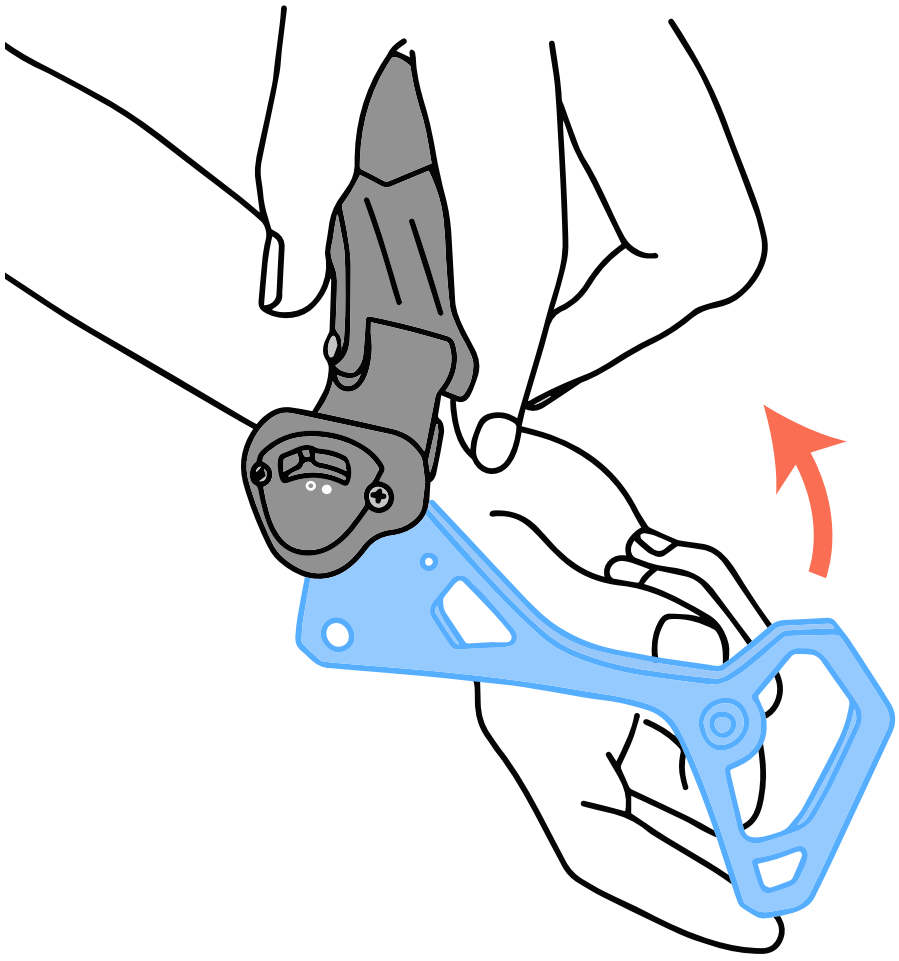
Do not disassemble the clutch ratchet assembly.

Reinstall the clutch pawl assembly. Apply a drop of blue Loctite 242 to Y-RD302 **mounting screws** and torque to ≈ 2.5nm.

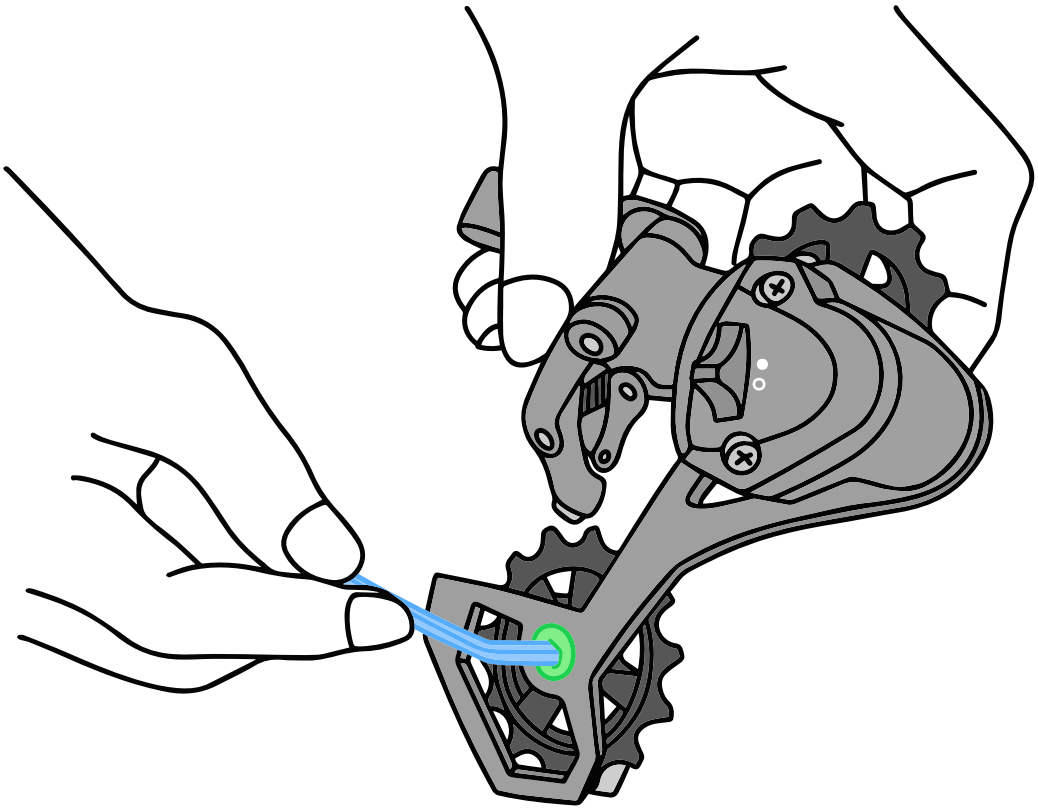
Slightly rotate the cage to make sure the assembly is fully seated.



Wind the **cage** anticlockwise while holding the derailleur body out of the way and reinstall the cage set screw ≈ 2nm.



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 ≈ 2.5nm.



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