



How to service XCX, TRS and LG1 freehub bodies

Care and feeding of your freehub mechanism for all hub generations

Written By: The Hive - Jeremy





TOOLS:

- 1.5mm hex wrench (1)
- 17mm cone wrench (1)
- 19mm cone wrench (1)
- 22mm cone wrench (1)
- 4mm hex wrench (1)
- 5mm hex wrench (1)
- Pin spanner (1)
- **Vise** (1)



PARTS:

- Mobil XHP-222 grease (1)

Step 1 — How to service XCX, TRS and LG1 freehub bodies



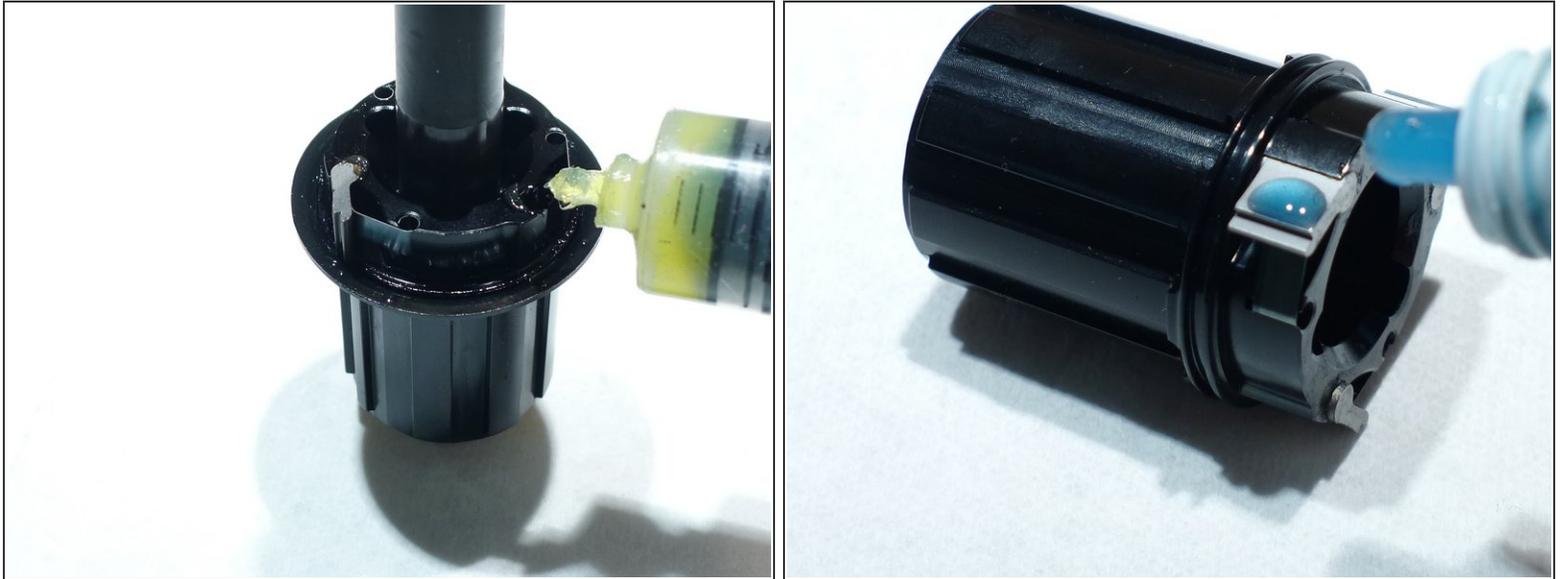
- Following the instructions provided in the axle removal and install guide, remove the hub endcaps and axle

Step 2



- Carefully clean the freehub body, pawls, springs and rubber freehub seal with a clean rag
- Clean the ratchet ring located inside the hub body
- Don't forget to remove the pawls and clean the pockets they sit in

Step 3



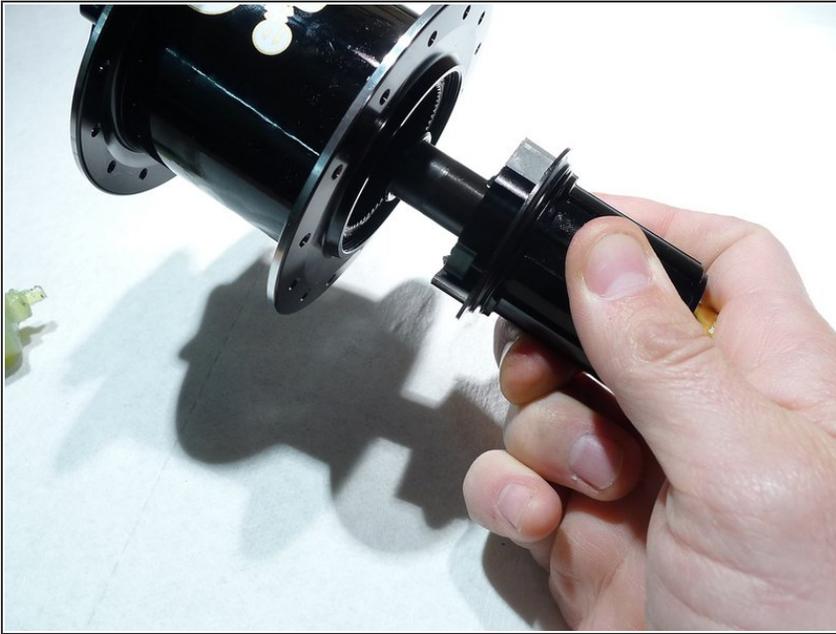
- Now that we are done cleaning, lets get some fresh lube in there
- Remove the pawls and put a small amount of e*thirteen freehub grease in each pawl pocket (our grease is Mobil XHP-222)
 - Use only a small amount of grease and clean up any grease that escapes once the pawls are reinstalled
- Reinstall the pawls
- Lightly grease the pawl faces with e*thirteen freehub grease

Step 4



- Clean the freehub lockring if your hub uses one
- ⓘ 2016+ hubs and freehubs use a one piece seal and no lockring, so skip this step if you don't see the lockring
- lightly grease the hub seal and lockring (if used)

Step 5



- Lightly grease the hub's ratchet ring and seal face using Mobil XHP-222 grease
- ⓘ If you don't have Mobil XHP-222 grease, it is important to select a suitable replacement with similar properties. Do not use heavy lithium or marine greases. Suitable substitutes are Dumond Tech Freehub Oil or Pro Freehub grease, Phil Wood Tenacious Oil, or similar lubricant with heavy oil / light grease type consistency.
- ⚠ **Do NOT pack the freehub assembly full of grease. Just a light coating is adequate. Excess grease will potentially cause issues with pawl/spring return and lead to a freehub failure.**
- Re-install the freehub body following the axle removal and install instructions

Thanks for reading, now get out there and ride!