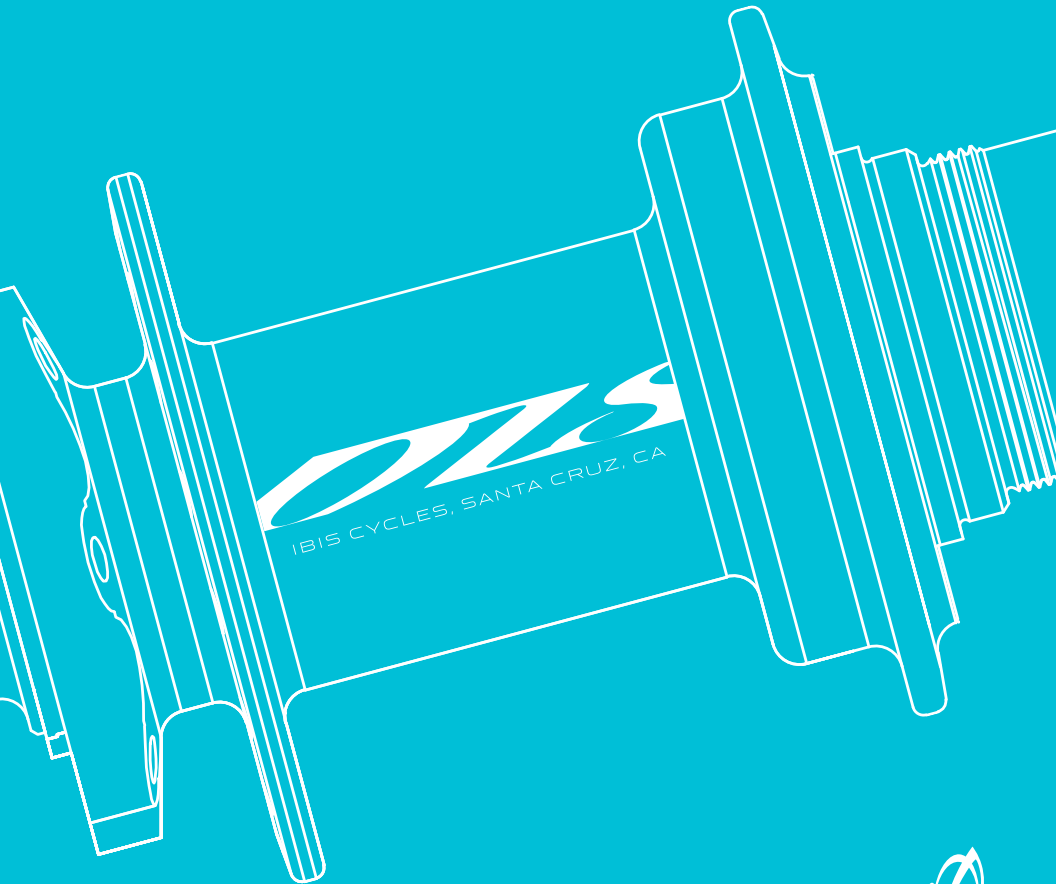




# REAR HUB SERVICE



# TOOLS AND SUPPLIES

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Rev. 1.0

- 17mm Open Ended Cone Wrenches (x2)



- 12mm Allen Wrench (x1)



- Loctite 242 or 243 Blue



- 3 in 1 oil or a very light weight hub grease/oil like Dumonde Tech Pro X freehub oil



# DISASSEMBLY INSTRUCTIONS

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**1A.** Start by using the two 17mm open ended cone wrenches on the flats of the end caps of both the drive side (**right**) and non-drive side (**left**) of the rear hub and twist counter clockwise.



## NOTE

Dust seal is optional and only fits Sram XD and Shimano HG drivers.



**1B.** If the drive side (**right**) end cap comes off first, you are all set to pull the freehub body/cassette off, proceed to **1D**.

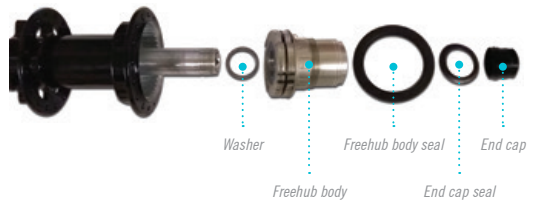
*If not,* continue with **1B** instructions.



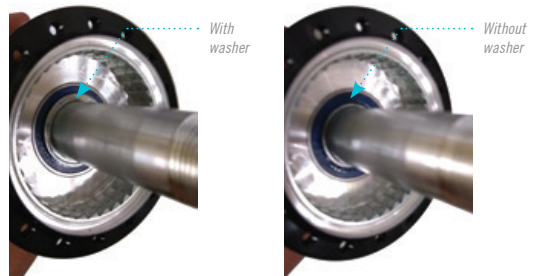
**1C.** Insert the 12mm Allen wrench into the non-drive side (**left**) with one 17mm open ended cone wrench on the drive side (**right**) and the drive side end cap should come off.



**1D.** Once the drive side end cap is off, pull hard to remove the freehub body. Clean and inspect the pawls/drive ring.



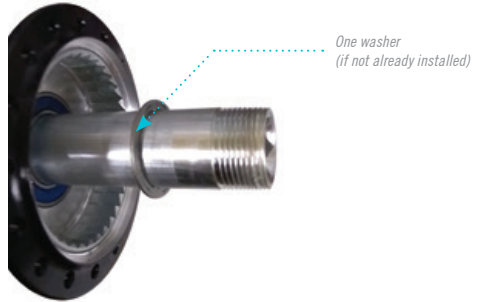
**1E.** Check for a thin washer spacer on the inner hub shell bearing.



# ASSEMBLY INSTRUCTIONS

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**2A.** If everything looks good, apply a liberal amount of 3 in 1 oil or your choice of light weight hub grease to the drive ring/freehub body interface. Reinstall the thin washer (if it is not already in the hubshell), then the freehub body.



**2B.** Reinstall the freehub body and seal.



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**2C.** Apply a small amount of Loctite 242 or 243 Blue to the threads of non-drive side endcap.



**2D.** Thread the non-drive side end cap back on and tighten with a 17mm open ended cone wrench (**left**) a 12mm Allen wrench (**right**) till snug and no play.



**2E.** Apply a small amount of Loctite 242 or 243 Blue to drive side end cap or shaft threads and re-install.



**2F.** Thread the drive side end cap back on and tighten with two 17mm open ended cone wrenches till snug and no play.



## NOTE

Some freehub bodies appear different and either will work in work in our hub.



Sram XD and Shimano HG share a 16mm drive side end cap.

Shimano Microspline has a separate 21mm drive side end cap.



## Bearings

Hub bearing replacement is a bit more involved and requires bearing pullers.

This video shows how to do it:  
<https://youtu.be/5CSDz5hitbs>



We don't carry the bearings, but they are pretty standard:

For the **front** and **rear hub** shells the bearings are two **17287 LLB**

For the **XD** and **Shimano** free hub body there is one **17287 LLB** and one **6803 LLB**



If you have any question on the condition of the pawls/drive ring please send a photo via email to **Warranty@lbicycles.com**.

