



KT HUB SERVICE (2): NOISE REDUCTION/FREE HUB SKIPPING

This KT hub service is for Reynolds KT hubs starting in 2007 through the present. The KT hub is found on Reynolds Solitude, Attack, Assault and Strike models.

By following the steps below, resolving noise and possible cassette slippage on a Reynolds KT hub is a simple fix. It is something that requires a small amount of time, patience and technical knowhow. If at any time you have questions, contact us at Reynolds Cycling by phone at (801) 565-8003 or email at info@reynoldscycling.com.

Tools needed:

- Two 5 mm allen wrenches
- 10m allen wrench
- thin blade screwdriver
- needle nose pliers
- lightweight grease
- clean shop towel

1. Start by removing the cassette from the wheels. Once the cassette is removed you can now insert a 5mm hex wrench into each end of the axle. Remove the end cap from the drive side on the axle. If the non-drive end cap comes off, leaving the drive side in place, insert a 10mm hex wrench into the non-drive side of the axle to hold it in place. Now remove the end cap from the drive side of the axle.
2. Install the smallest cog on to the hub and thread the lock-ring hand tight. It is best to wrap a rag around the teeth of the cog. Brace the rim on a soft surface on the floor while holding the top of the rim with one hand. Now with the other hand pull on the freehub body using the cog and with the rag wrapped around it for extra grip. It will take a little force but the freehub should slide off the axle.
3. With a thin blade screwdriver, remove the black Delran hub seal to expose the six pawls and brass springs.
4. With needle nose pliers or tweezers, remove the pawls and springs; one at a time and place them onto the clean shop towel.
5. Grasp the open ends of the spring between your thumbs, with the rounded closed end against your forefingers, and gently open the gap between the spring ends about half again as much as stock.
6. Replace the spring into the hub.
7. With a small screwdriver or tip of a knife blade, compress the spring outward and reinsert the pawl.
8. Repeat this process for the remaining five pawl springs.
9. Lightly grease pawl faces and hub internals with lightweight grease (Slick Honey or another light grease about the consistency of Vaseline works best).
10. Re install hub seal, cassette body and end cap.