Generation 2 axle - TRSr/TRS+/LG1+ rear hub axle install and removal

How to remove and install TRSr, TRS+ and LG1+ rear hub axles

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TOOLS:

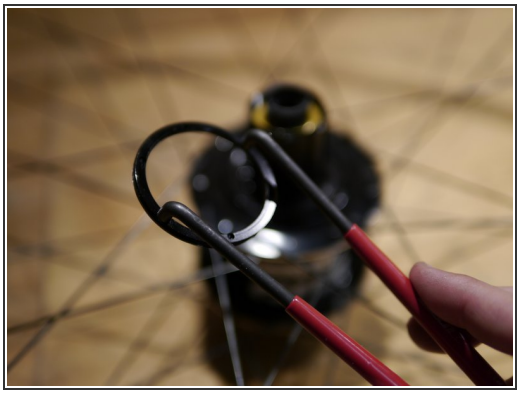
- 3mm hex wrench (1)
- Pin spanner (1)

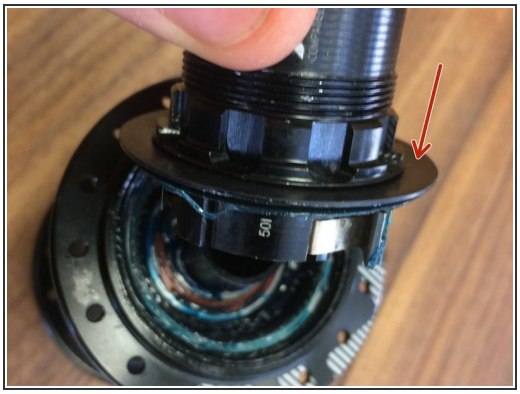
PARTS:

- grease (1)
- Dumond Tech freehub oil (1)

Step 1 — Generation 2 axle - TRSr/TRS+/LG1+ rear hub axle install and removal

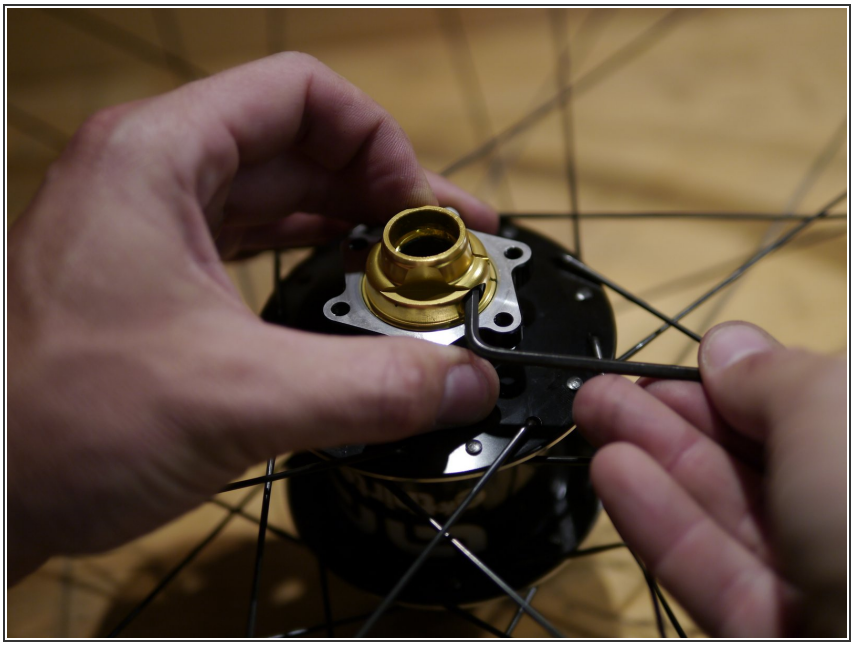






- Remove the Freehub lockring
- 2016+ hubs and freehubs use a one piece seal and no lockring, so skip this step if you don't see the lockring

Step 2



- Loosen the 3mm hex endcap screw, by turning counterclockwise

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Step 3



- Loosen the non-drive side endcap by turning it clockwise.
- Remove the non-drive endcap

Step 4







- Slide the steel axle out of the drive side of the hub

⚠ Be careful not to dislodge the freehub body

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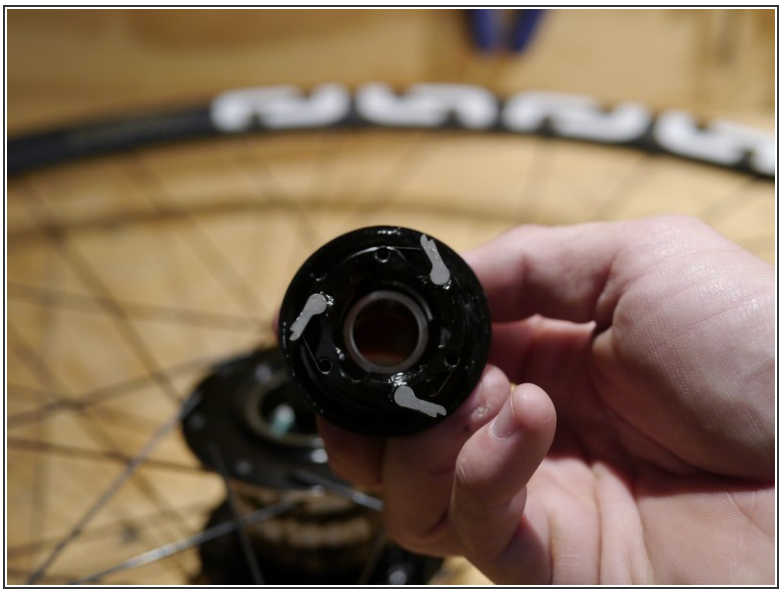
Step 5





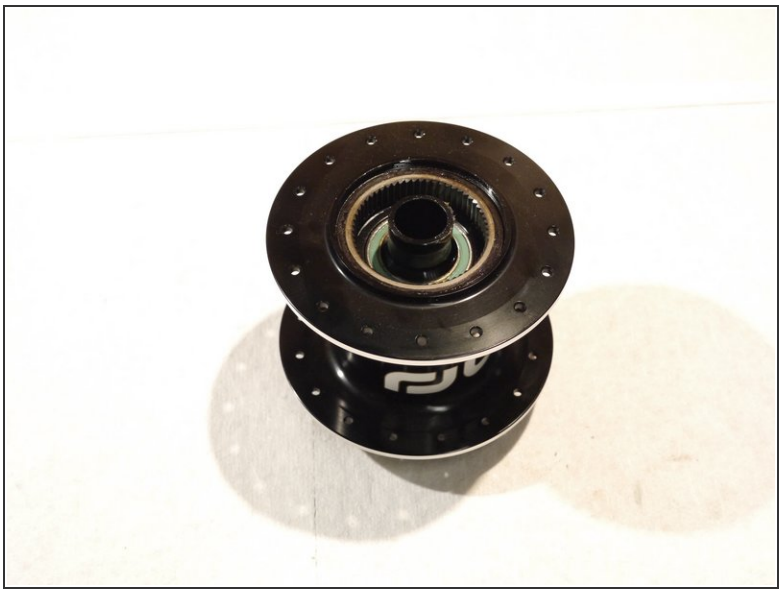
- Remove the freehub spacer.
  - ⓘ Note: this spacer is not used with the XX1 freehub body
  - ⓘ Note: This spacer may be black or gold in color
- Remove the freehub body
  - ⚠ Be careful not to lose any of the pawls or the pawl springs

Step 6




- Remove the freehub shim
  - This is a thin washer. Be careful as sometimes this can stick to the inside of the freehub body or the bearing spacer

Step 7





- At this point the hub is most of the way apart, you can service bearings, replace worn parts or just clean things up

Step 8







- Next, slide the freehub spacer onto the axle.
  - Install the spacer so the flat side is against the bearing and the tapered side is facing out from the hub

⚠ Note: This spacer is not used with the XX1 compatible XD driver

- Install the freehub body into the axle

Step 9





- Slide the freehub shim onto the axle after the freehub body
- You should now have the axle, freehub spacer (not used with the XD driver), freehub body and freehub shim installed on the axle.

Step 10

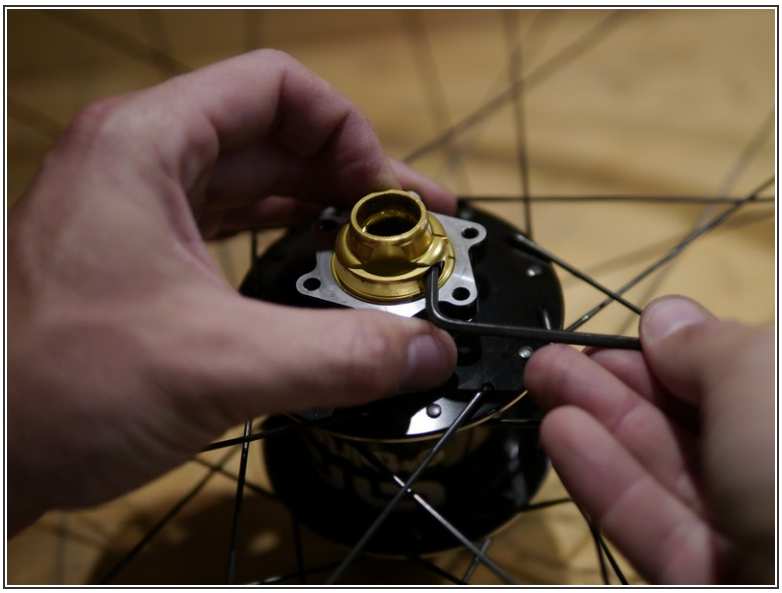




- Slide the axle assembly into the freehub spacer and hub shell
- Turn the freehub body counter-clockwise to compress the pawls into the ratchet ring in the hub shell
- For information on lube and service for the freehub body please see our freehub service instructions

Step 11

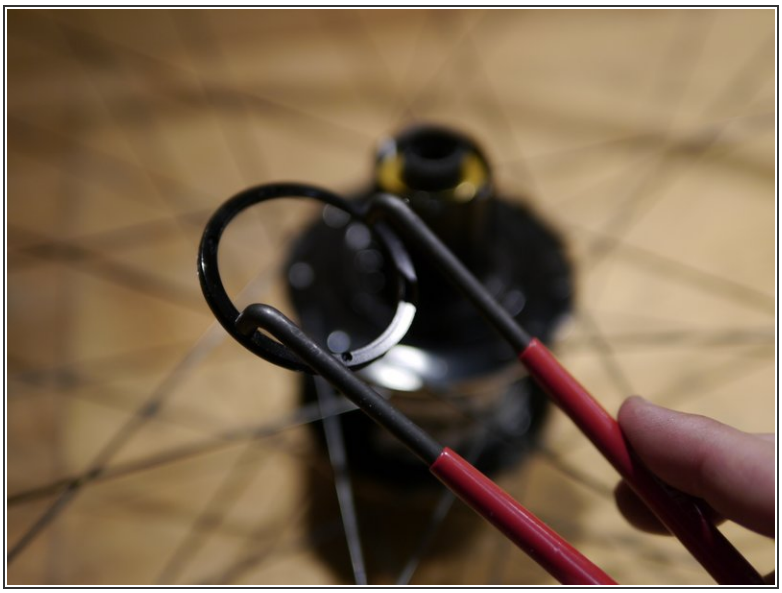




- flip the hub over and install the non-drive endcap
  - ⓘ Remember, this endcap uses a reverse thread so turn it counter-clockwise to tighten
- Turn the endcap by hand to adjust bearing preload until the hub no longer has bearing play
  - Cone wrenches can be used, but are rarely needed
- Tighten the non-drive endcap using a 3mm hex wrench to 3nm

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Step 12





- Put one drop of freehub oil on the rubber dust seal and install the freehub dust seal lockring

Thanks for reading, now get out there and ride!