DMR Zone Hub Service Guide

Tools needed: Hub Support, Soft blow nylon mallet, punch (not a screwdriver), 17mm &19mm cone spanners, a dental pick.

Parts needed: 2x 15267rs cartridge bearings, 2x 15268-2rs

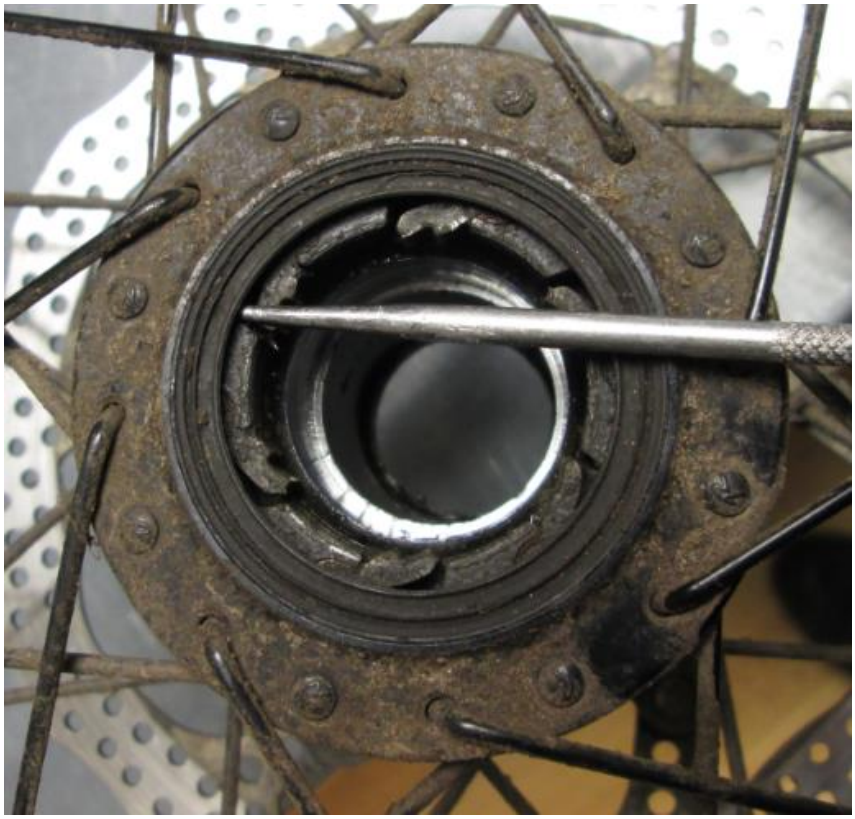
First, use your 17 & 19mm cone spanners (depending on axle combo) to remove the hubs end caps. Then remove the free hub and axle from the body.

23rd February 2016 *Update*

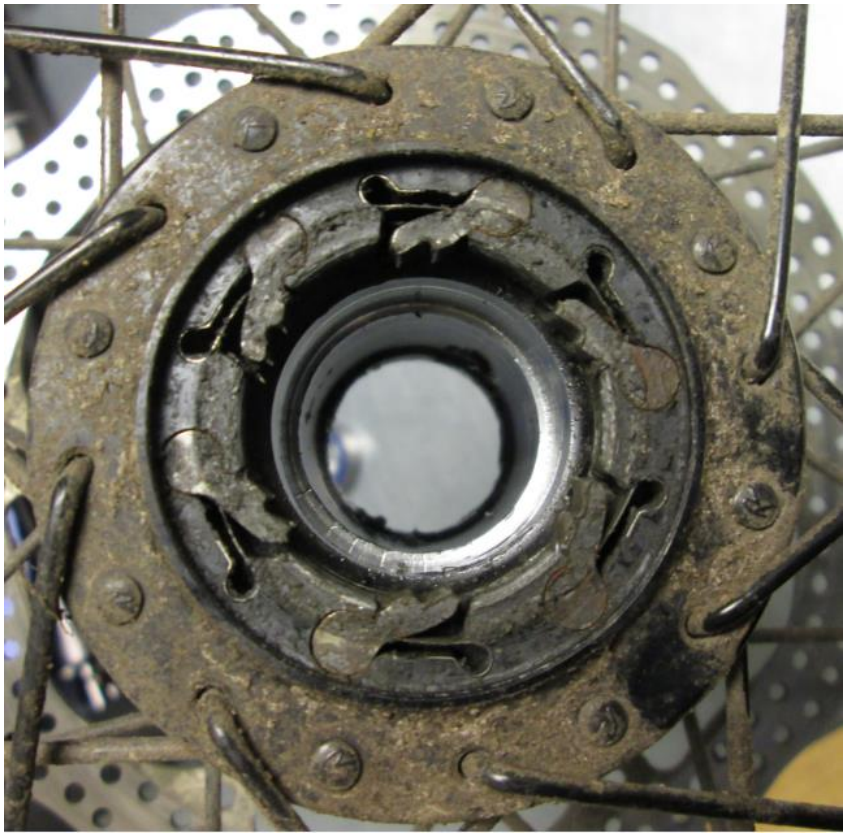
Once you have pulled the free hub and axle you will need to push the spacer tube over to create a secure punch surface, I use the punch to just slide it over a touch.

Once you have punched the non-drive bearing through you will have plenty of access to the 1x 15267 bearing on the drive side, you will in total have 2x 15267 bearings, non-drive seal & the spacer tube.

23rd February 2016 *Update*



Use your pick to carefully lift the free hub seal away from the hub body.



Revealing the 6pawl system. Carefully use your pick to remove the pawls and springs inspecting them for damage or corrosion.

23rd February 2016 *Update*

Once you have removed the pawls and springs, give the hub a good clean to remove any dirt, grime & debris.

Next onto the free hub, use the same process as the hub body and move the spacer to the side and use your punch to drift them out.

23rd February 2016 *Update*

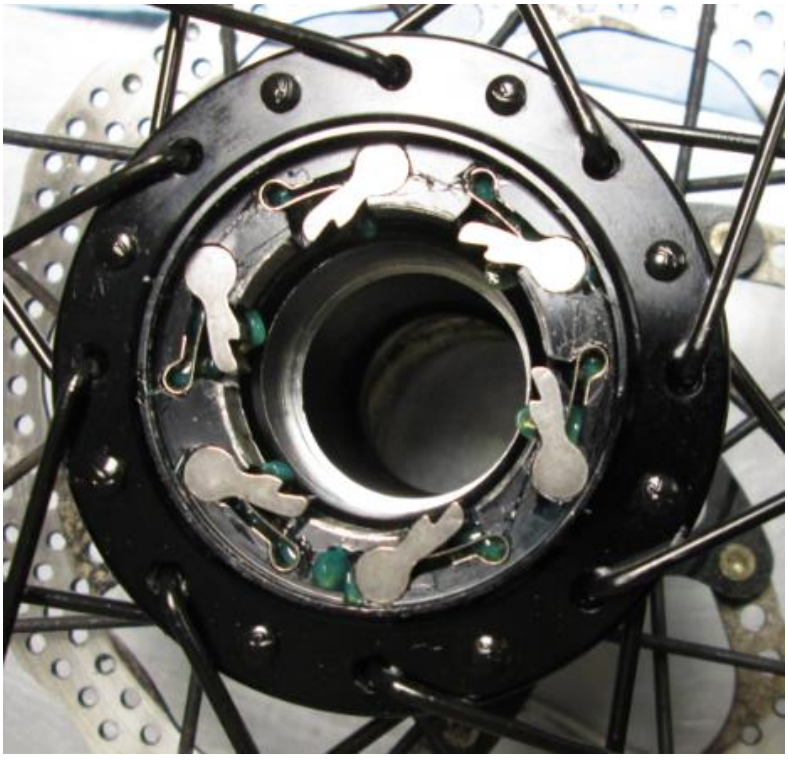
Leaving you with the bare shell and the old 15268-2rs x2 bearings and the spacer tube.

For the next part an arbour press is preferred but not everybody has one. Press the 15268-2rs bearing into the Inboard position then place your spacer tube in the body and press the other 15268 bearing in the outboard position, making sure the spacer tube is not at an awkward angle.

*a light coat of grease makes pressing the bearings a much easier task.

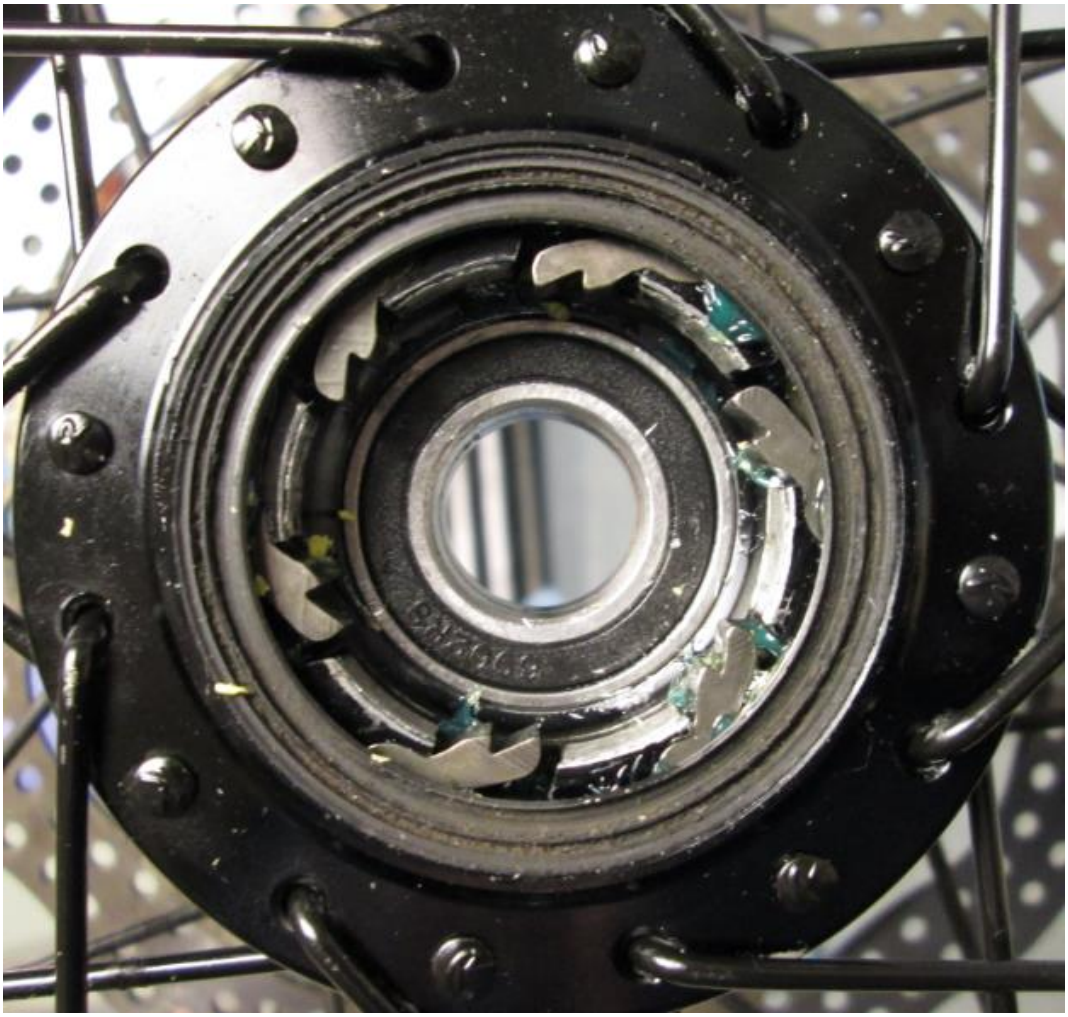
23rd February 2016 *Update*

Clean up the dust seal and press into the seat in the free hub body, and that's the free hub finished.



Re-install your pawls and springs after giving them a good clean, use a small amount of grease in the pawl and spring pockets.

23rd February 2016 *Update*



Clean up the seal and place it back in the hub to stop the pawls and spring from coming out whilst tapping the drive side bearing in.

Thread you non drive side end cap on the axle, slide the dust seal on, apply a small amount of grease on the axle and slide the bearing and spacer tube on.

23rd February 2016 *Update*

The assembly should look like this^^

Slide the assembly through the hub and into the drive side bearings.

23rd February 2016 *Update*

Drift the non-drive assembly into the hub making sure that the seal is seated correctly, pull the axle just to make sure it's all seated perfectly.

Slide the 1mm spacer onto the axle ready for the free hub.

23rd February 2016 *Update*

Slide the free hub onto the axle, lightly grease the ratchet ring on the free hub before installing.

Thread on your drive side end cap and torque both caps to 10-13Nm. That's it your all done and have a fully service Zone rear hub.

23rd February 2016 *Update*

Notes.

- This guide also covers ALL Maxlight wheel set rear hubs, 29, 27.5 & 26.
- The Zone hub has 3 different converters, 142x12, 135x12 and 135x9mm QR
- If your pawls have experienced extreme wear then please replace them during the service to maintain perfect pickup.
- Alloy free hub bodies may over time experience gouging from the cassette, this does not affect the hubs integrity, if it makes removing the cassette difficult then file the excess material away.

Parts used.

UPG-S-B-15267-2RS - Replacement hub shell bearing - http://upgradebikes.co.uk/Catalogue/Wheels/DMR/DMR-Zone-Wheels

DMR-SSH-BGS-15268 – Replacement Free hub bearing - http://upgradebikes.co.uk/Catalogue/Wheels/Kinesis-UK/Kinesis-Maxlight-VI-Wheels-2

If required:

DMR-SSH-6PWL-SEAL – Replacement hub seal - http://shop.upgradebikes.co.uk/Catalogue/Hubs/DMR-6-Pawl-89-Speed

DMR-SSH-6PWL-PWL – Replacement pawls - http://shop.upgradebikes.co.uk/Catalogue/Hubs/DMR-6-Pawl-89-Speed

DMR-SSHCD-6PWL-BODY – Free hub body – http://shop.upgradebikes.co.uk/Catalogue/Hubs/DMR-6-Pawl-89-Speed

23rd February 2016 *Update*