

M Series Hub Maintenance and Repair

M series hubs are found on Neuvation Radial, M28, M28 Aero, M 28 Aero2 and R 350 wheels.



Step One Pull the two end caps off the ends of the axle.



Step Two Using a rubber mallet or a block of wood, hammer out the non drive side cartridge bearing.



Step three Using a small bladed screw driver pop out the drive side rubber seal.



Step Four Using a rubber mallet or block of wood, drive the cassette body cartridge bearing out of the drive side by hammering on the axle.



Step Five DO THIS ONLY IF YOU WANT TO REPLACE THE CASSETTE BODY. Using a 12 mm allen key unscrew the cassette body nut. Note you will need to do this with a completely built wheel. Trying to do it with the hub only as pictured at left is impossible because the nut is on there too tight. To replace the cassette body tighten with the same 12 mm nut and wrench.



Step Six: Normally all you want to do is re-lube the cassette body. To do this you need a Morningstar freehub buddy. That is pictured at left with the Morningstar grease. Squirt grease in until it comes out near the hub shell.



Step Seven: Using 3/8" washers that fit over the axle and inside the bearing seats, put both cartridge bearings in their bearing seats slide on the washers and the axle end caps and use the quick release to press in the bearings. The washers come with the Neuvation replacement bearing kit.



Step Eight Push the rubber seal into the cassette body with a small flat bladed screw driver until it is seated against the bearing. If it's not in far enough it can come into contact with the cassette lock ring.



Step Nine Slide the two end caps onto the end of the axle.



All parts are available for a small change by e-mailing John@NeuvationCycling.com