



FSC Cassette Maintenance



Insert two 5mm (8mm for bolt option) into each end cap and twist counterclockwise to remove the threaded end caps.



Pull on remaining end cap. This will extract the axle from the hub. Depending on the frequency of maintenance, this may require light tapping. Be careful as the freehub body may fall out.



Remove cassette body by gently pulling cassette body away from shell.



Slide out the cassette spacer, clean and inspect for burrs or compression.



Teflon ring will remain lodged onto shell and ratchet ring. Carefully remove, Clean and reinstall.



To clean the ratchet and pawl mechanism, use WD-40 or a biodegradable degreaser to break down the old grease.



Clean ratchet ring and inspect for excessive wear or rounding of teeth. If ratchet ring needs to be replaced, Please call us. This can only be done by a Phil Wood technician..



Lubricate the pawls, spring, and ratchet ring with a thin layer of Phil Wood grease.



For extremely cold conditions, Phil Wood Tenacious oil may be used to prevent slowing of pawls engagement.



Re-insert cassette mechanism. Angle cassette body a little and rotate counterclockwise to help engagement. This should require very little effort.



Lightly coat the axle with lube and slide it into the hub. Lube the threads at each end.



Thread both end caps and tighten to 15 ft-lbs max. Rotate axle and cassette body to check for binding. Now it's time to ride.