


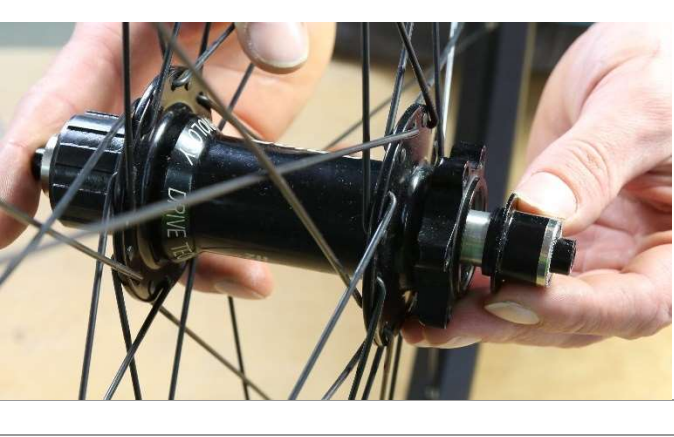


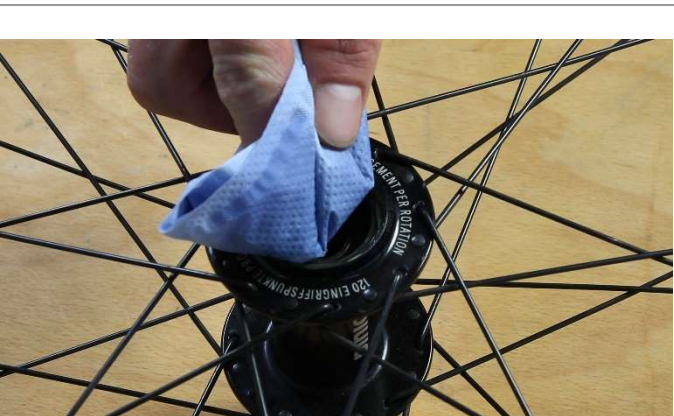
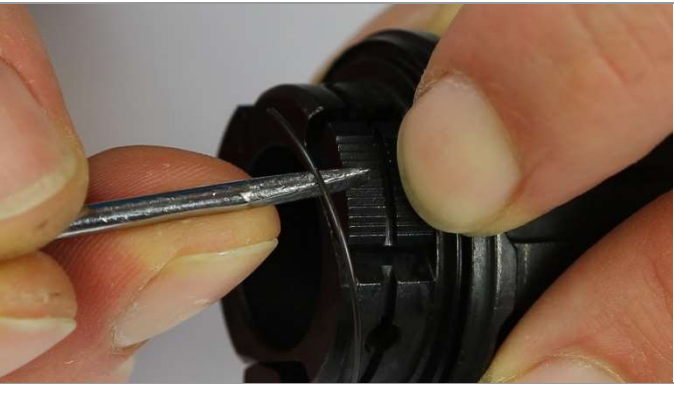






1. TOOLS





<p><u>All Versions:</u></p> <ul style="list-style-type: none"> • Chain Whip P9522 • HG Sprocket remover • Plastic mallet • Degreaser (eg. Isopropanol, Brakecleaner) • Fluent grease <p><u>For QR-Version:</u></p> <ul style="list-style-type: none"> • 5mm Allen Key • 10 mm Allen Key <p><u>For TA 142x12 / X12 Version:</u></p> <ul style="list-style-type: none"> • 17 mm Cone Wrench • 3mm Allen Key <p><u>For TA 135x 10mm Version:</u></p> <ul style="list-style-type: none"> • 17mm Cone Wrench • 10mm Allen Key 	
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2. DEMONTAGE

<ul style="list-style-type: none"> • Note the order of the spacers used. • Disassemble sprocket / spider / pulley and brake disc. 	
<p> Attention: Observe spacer sequence! Otherwise noise and malfunctions may occur.</p>	
<ul style="list-style-type: none"> • Remove left cap 	

<ul style="list-style-type: none"> • Pull the right-hand end cap with axle, spacer sleeve and freewheel body out of the hub - if necessary, knock carefully with a plastic mallet. 	
<ul style="list-style-type: none"> • Pull the spacer sleeve and freewheel body off the axle - if necessary, tap lightly with a plastic mallet. 	
<ul style="list-style-type: none"> • Clean and degrease the toothing in the hub body and the axle. Use a soft cloth and a gentle degreaser. (Isopropanol) 	
<ul style="list-style-type: none"> • Remove the retaining ring <p>! Make sure not to bend or damage the retaining ring</p> <ul style="list-style-type: none"> • Handle circlip carefully. • Hold pawls and springs securely during disassembly and assembly. • Remove circlip. 	

<ul style="list-style-type: none"> • Remove pawls and springs from the freewheel body. • Thoroughly clean all components and the toothed ring in the hub housing. • Check all components for wear. • Replace worn components. Have defective bearings replaced in a specialist bicycle workshop. 	
<ul style="list-style-type: none"> • Insert pawls and springs into the freewheel body in the correct position. 	
<ul style="list-style-type: none"> • Fit the circlip in the correct position. The hook is in the bore of the freewheel body. 	
<ul style="list-style-type: none"> • Check pawls for correct function. • Do they return spontaneously to their original position? If this is not the case, replace the whole freewheel body including pawls. 	

<ul style="list-style-type: none"> • Tighten the right end cap and axle against each other with tightening torque 5 N·m (44 lbf-in). • Place the freewheel body and spacer sleeve on the greased axle. 	
<ul style="list-style-type: none"> • Carefully grease all components, the gear ring in the hub housing, the seals and the surface of the bearings with fluid grease - especially between pawls and their sliding surfaces on the freewheel body. 	
<ul style="list-style-type: none"> • Carefully insert the axle into the hub - Slowly turn the freewheel body counterclockwise. Slightly press in the pawls with a screwdriver if necessary. • The pawls snap into the toothed ring. 	
<ul style="list-style-type: none"> • Fit the left end cap. • -Check freewheel for correct function (freewheel and frictional connection). 	

- Mount sprocket / spider / pulley and brake disc.



- Tighten the lock ring with an HG tool 40Nm 30ft-lb

