



Frontfork

5060 Extreme

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Introduction

General notice

Pay attention to the following notes, when you are working with WP Suspension products as described in this workshop manual:

Always use clean and professional tools.

Regular you need next to the general equipment, the special tools of WP Suspension.

These tools with a unique "T" number (available at WP Suspension) protect you from damaging the parts.

Use always aluminium protector-plates.

Always replace damaged or worn parts.

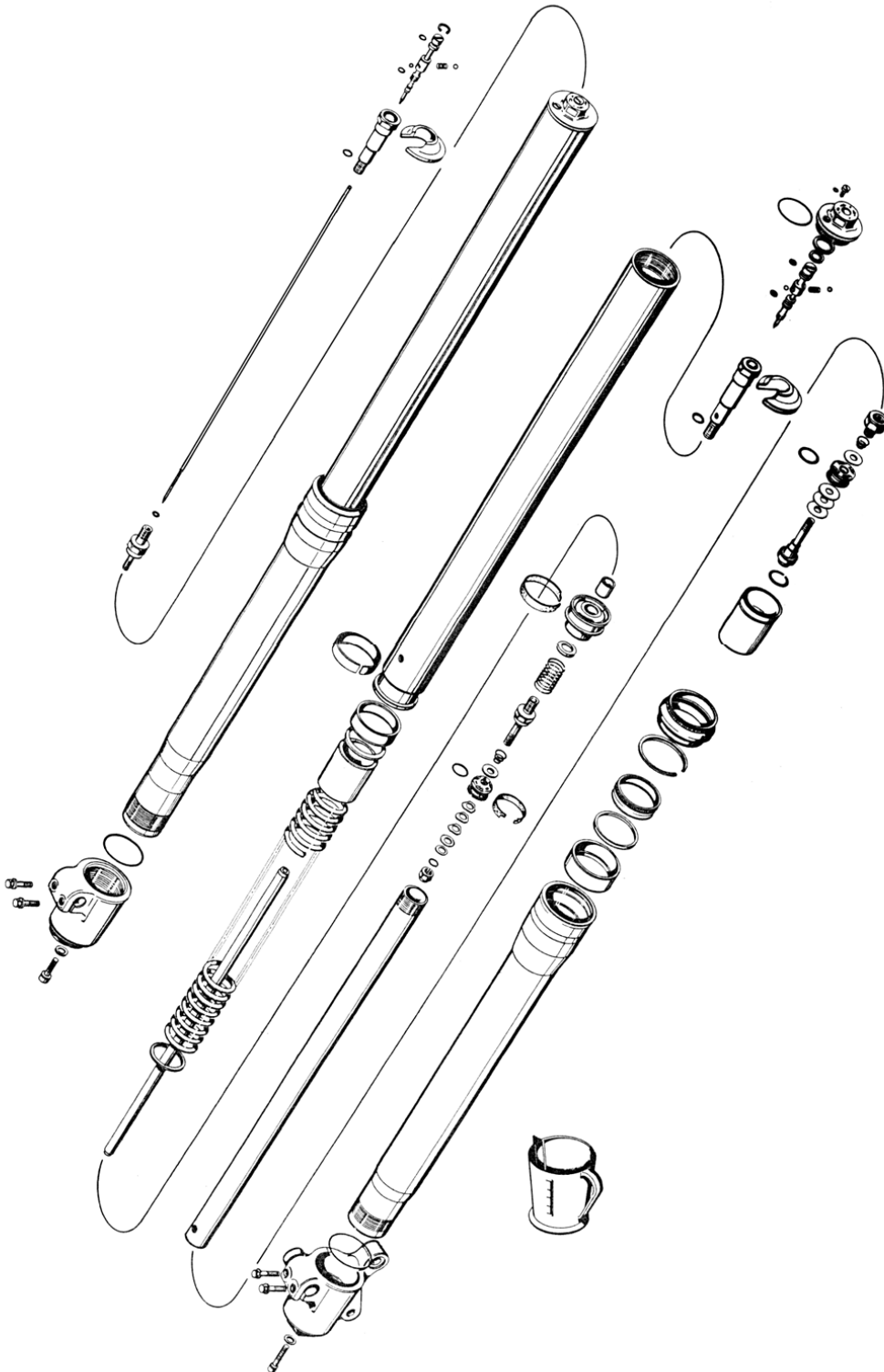
Clean all parts before assembling.

Caution:

Many times it is necessary to assemble parts with T131, T132 and T163.

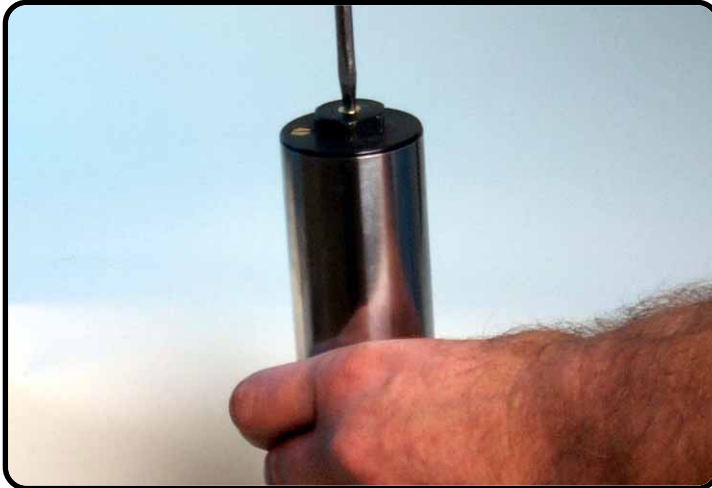
These parts must dry for at least four hours!!

Exploded view



Disassembly forkleg

Note the position of rebound/compression



Clamp the inner-tube in the vice with T903.



Bleed the air from the fork by releasing the screw on top of the cover.





Disassemble the screwcover. (size 24)



Remove the screwcover



Check the rubber sealing ring inside.



Move the inner-tube down into the outer-tube.



Remove the springretainer, preload spacers and steel washer.



- steel washer
- preload spacers
- springretainer



Take out the spring.



Check the oil level with T137S.
Slide the O-ring on level with the edge of the compressed inner-tube.



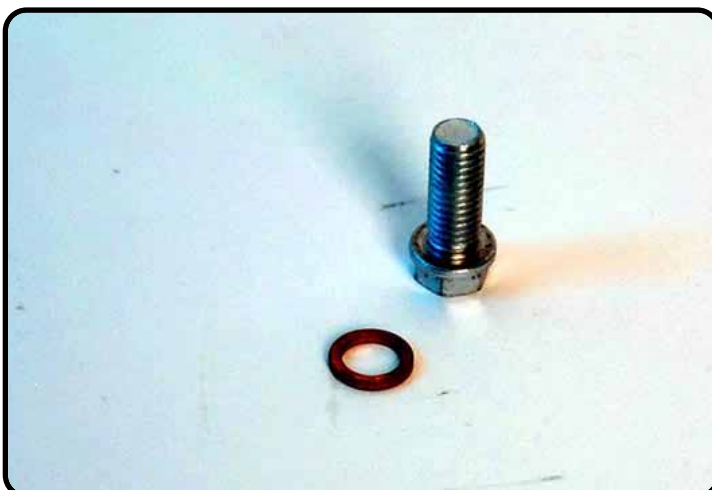
Drain the oil out the forkleg.



Clamp the axle-clamp in the vice so that the forkleg is at an angle of 45 degrees.



Untighten the bolt out of the axle-clamp.



Copper washer and bolt.



Pull out the cartridge.



Remove the cartridge.



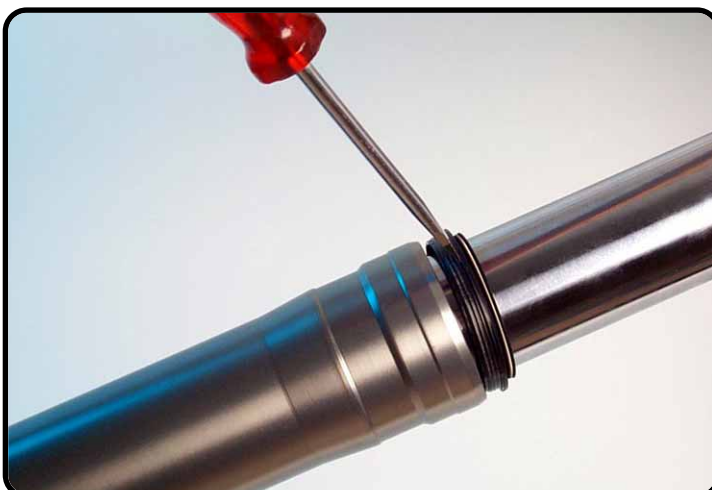
" The cartridge "



Remove the ring.



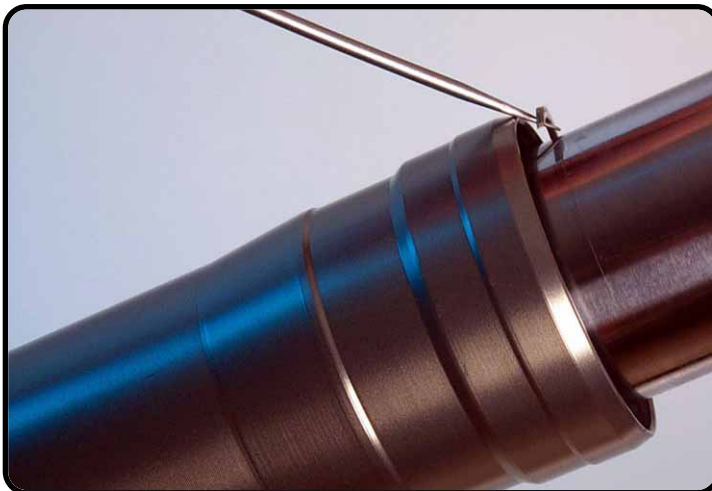
Hold forkleg up side down and remove the house hydraulic stop.



Disassemble the dust stripper



Remove the dust stripper.



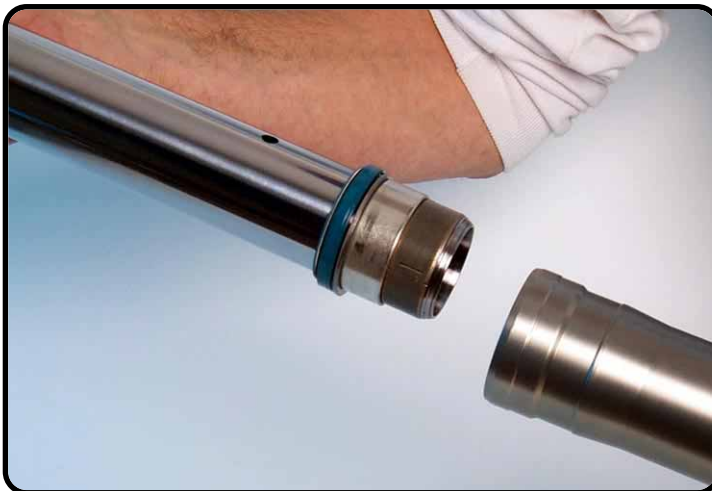
Disassemble the lockwasher.



Remove the lockwasher.



Heat the outer-tube near the oilseal.



Pull with both hands the inner-tube out of the outer-tube.



Remove the oilseal.



Remove the support ring.



Remove the DU-bush of the outer-tube.



Disassemble the DU-bush of the inner-tube.



- dust stripper
- circlip
- oilseal
- support ring
- DU-bush outer-tube
- DU-bush inner-tube



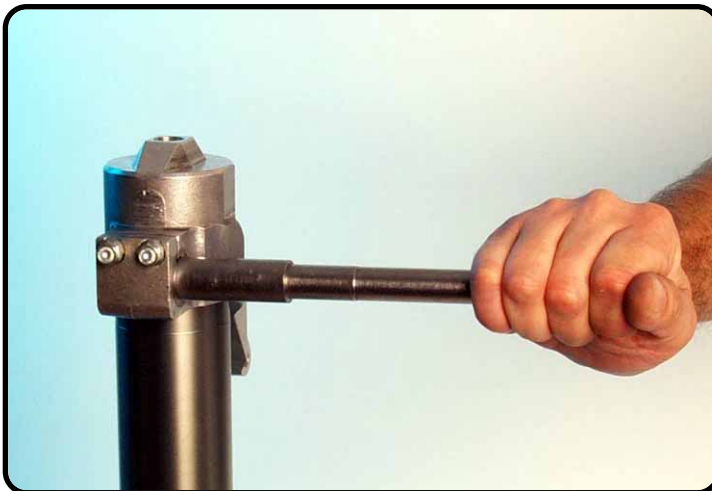
Assemble T904 in the outer-tube.



Clamp outer-tube in the vice and heat the axle-clamp.



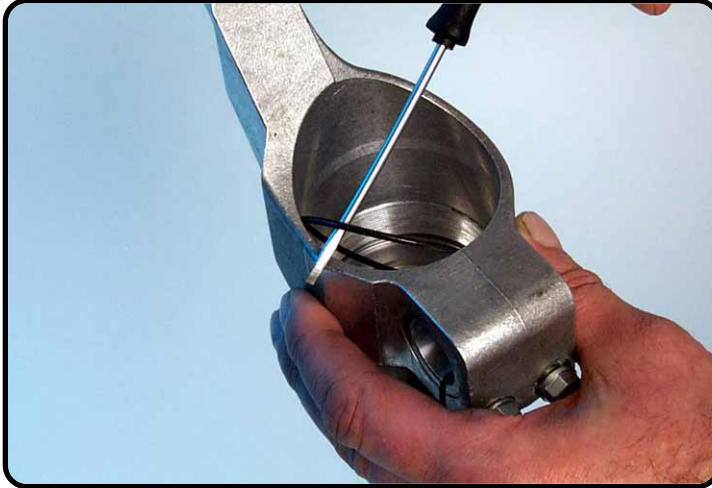
Place a fitting axle-rod in the axle-clamp and tighten both bolts.



Unscrew the axle-clamp.



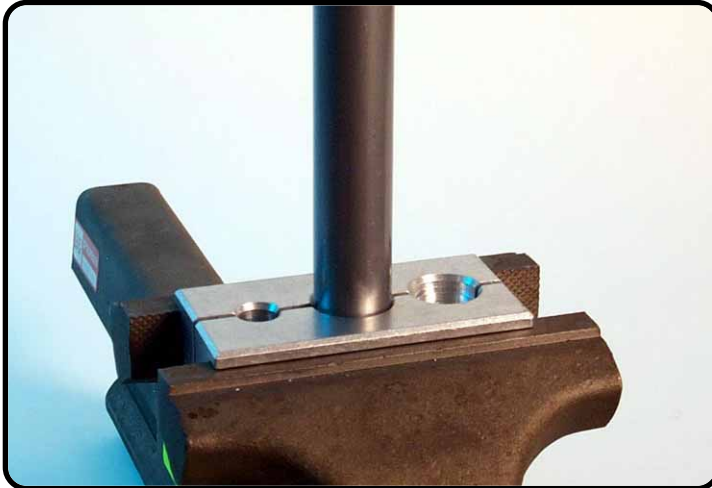
Remove the axle-clamp.



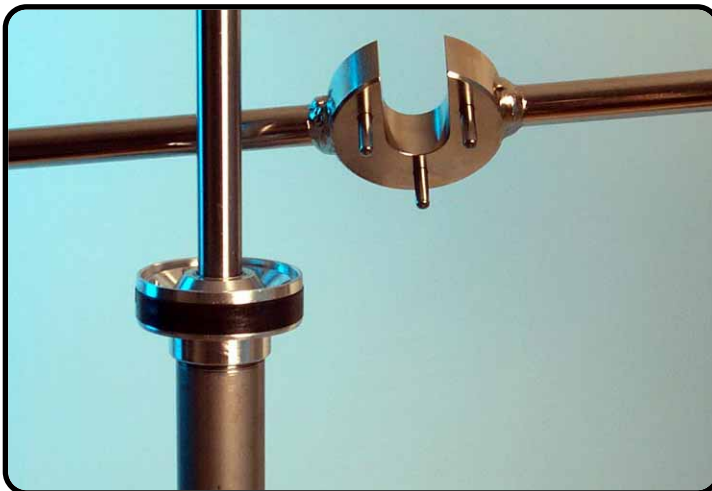
Lift the O-ring out of the groove of the axle-clamp.

Disassembly cartridge

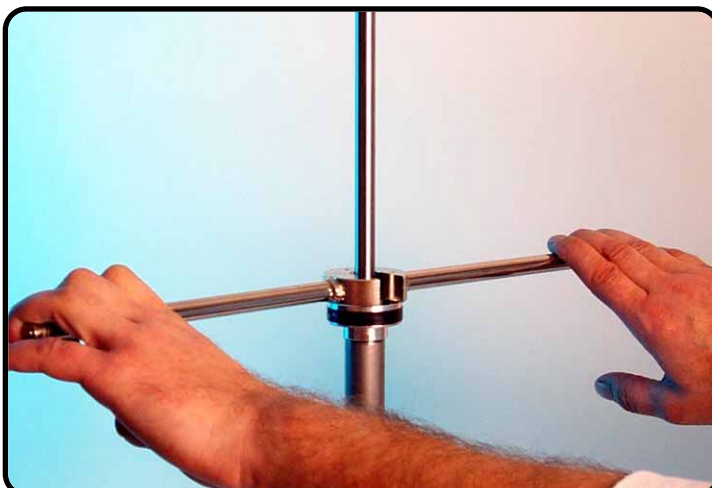
Clamp the tube of the cartridge in T639S.

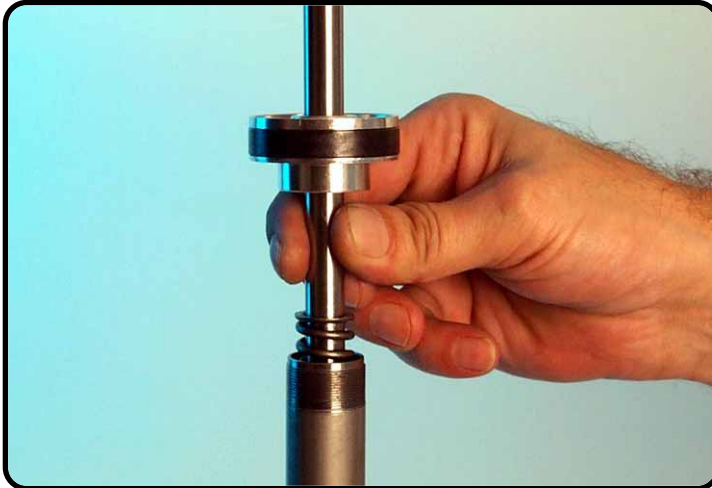


Assemble T907S on the screwcap.



Unscrew the screwcap.





Pull the piston rod out of the tube.



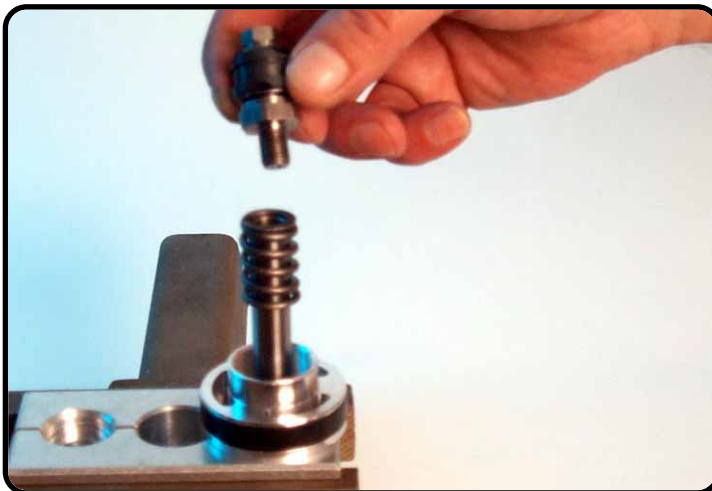
While removing, pay attention to the piston ring.



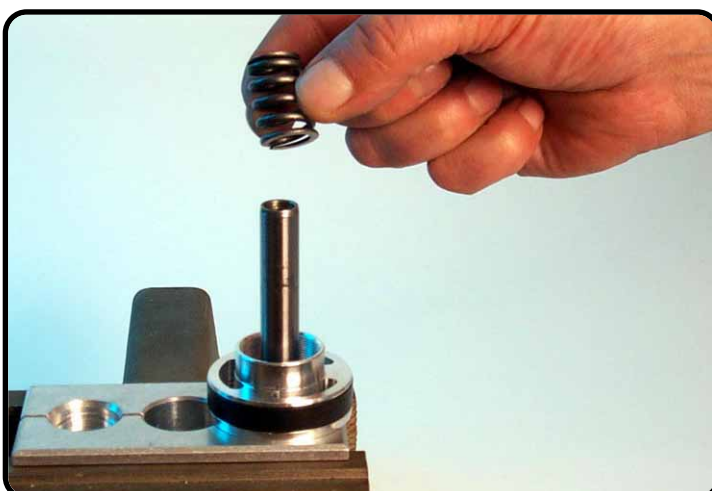
Clamp the piston rod in T639S.
Keep sufficient distance to the vice.



Unscrew the rod tap from the piston rod.



Remove the rod tap.



Remove the rebound spring.



Remove the screwcap including steel ring.



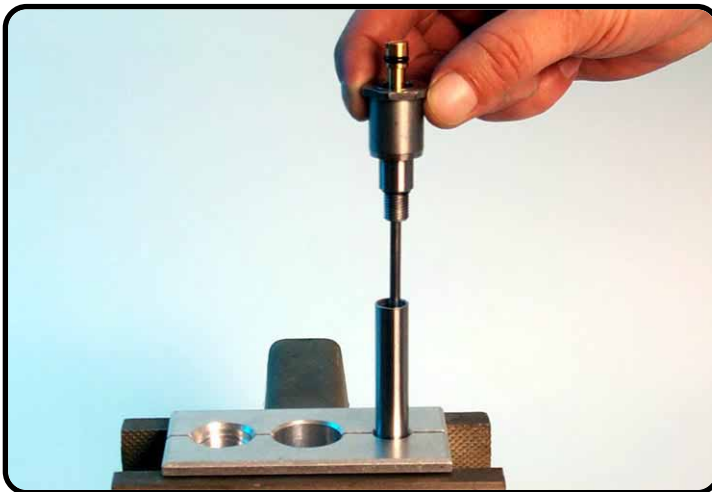
Clamp the piston rod, on the other side in the vice.



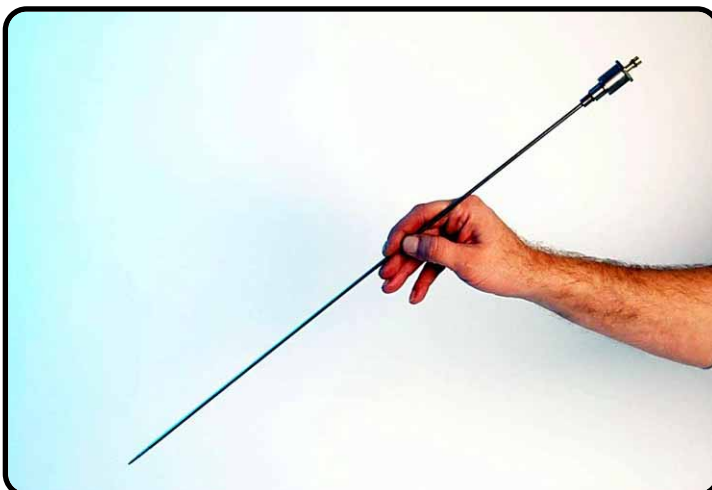
Unscrew the piston rod adaptor. (size 22)



The piston rod compression adaptor.

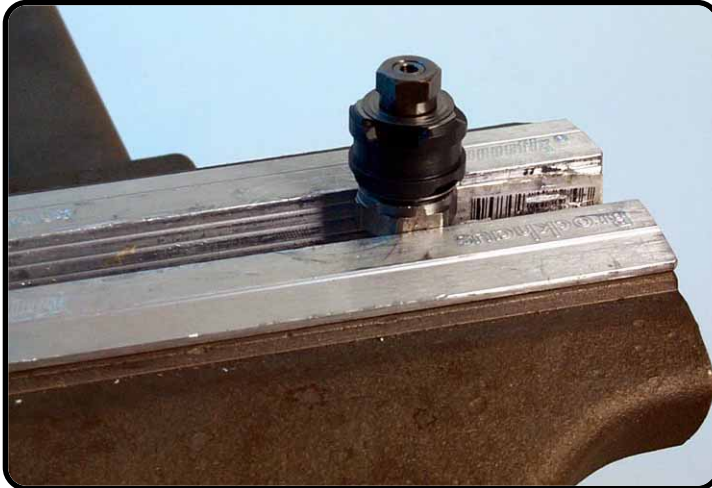


Unscrew the piston rod adaptor.

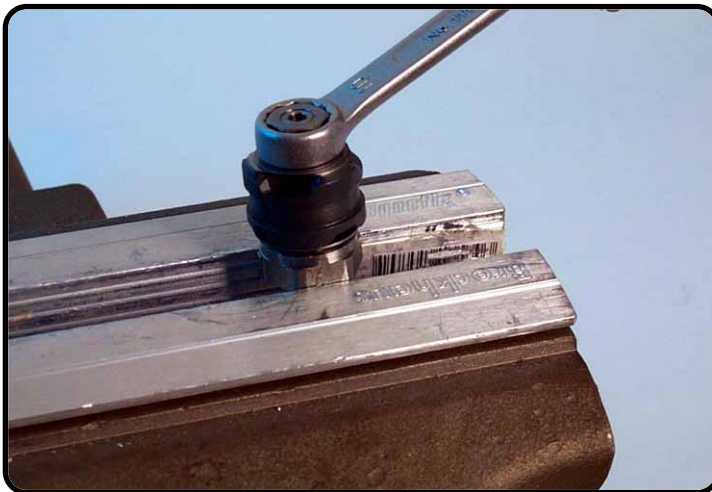


The piston rod rebound adaptor.

Disassembly rod tap



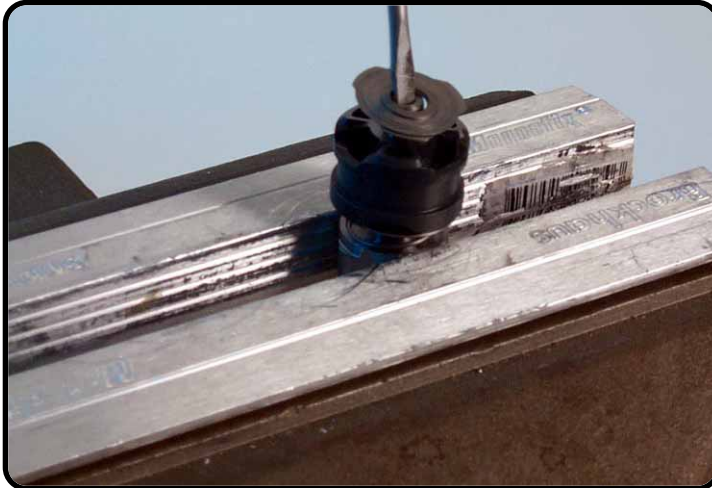
Clamp the rod tap in the vice.



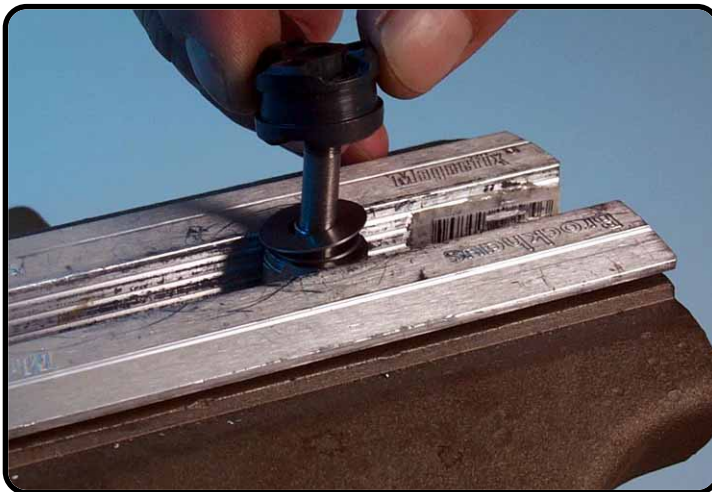
Unscrew the nut. (size 10)
Pay attention on the position of the triangular shims and the assembling direction of the nut!!



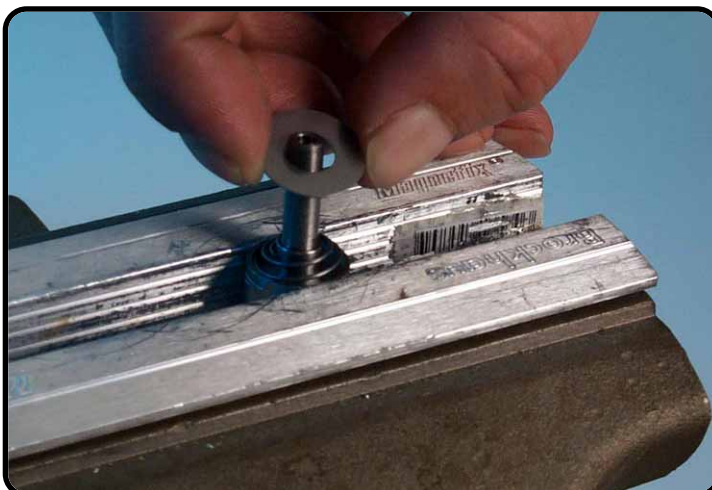
Remove the nut.



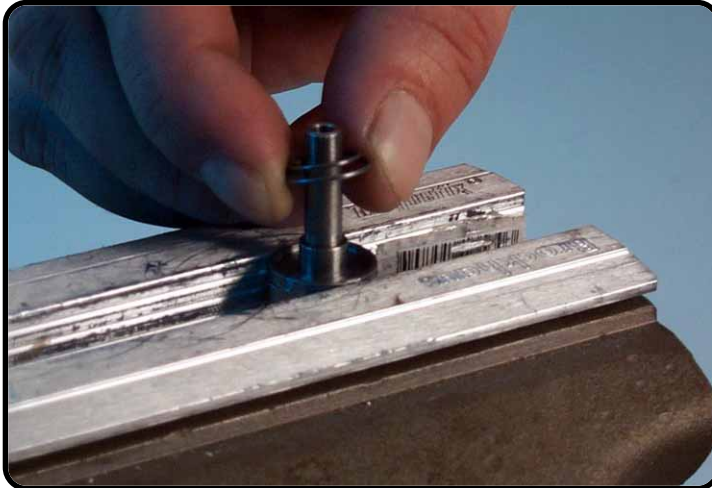
Place a screwdriver on top of the rod tap and remove the entire shim packet.



Remove the piston.
Pay attention to the assembling direction!!



Disassemble the shim for check-valve.



Remove the spring for check-valve.
Pay attention to the assembling direction!!



- rod tap rebound/compression
- spring for check-valve
- shim for check-valve
- piston
- piston ring
- rebound shims
- nut M6x0.5 reb.

Assembling rod tap



Assemble the spring for check-valve in the chamber of the rod tap.



Assemble the shim for checke-valve, piston and rebound shims.



Tighten the nut to a torque of 5Nm.

Disassembly tap compression



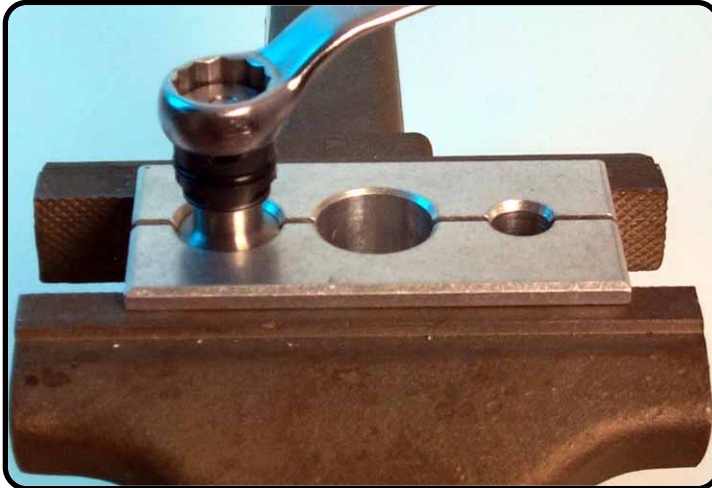
Push the tap compression out the tube with support of the piston rod.



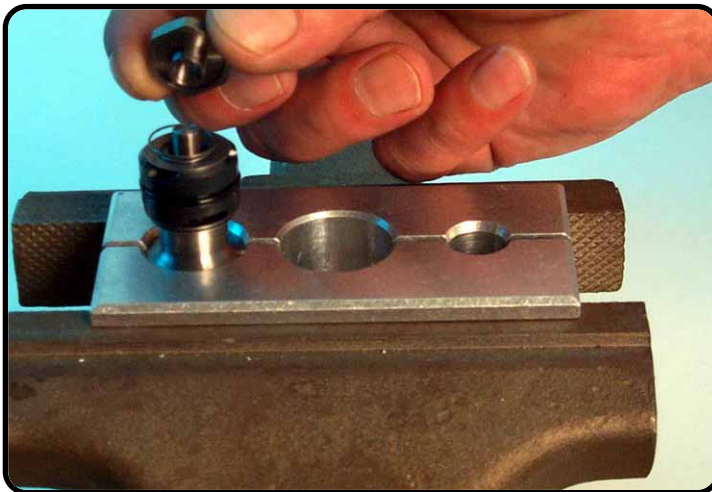
Tap compression.



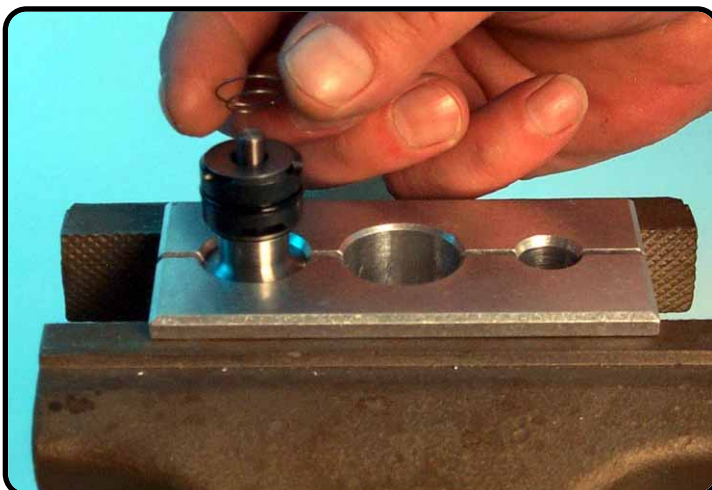
Clamp the tap compression in the clamping block.



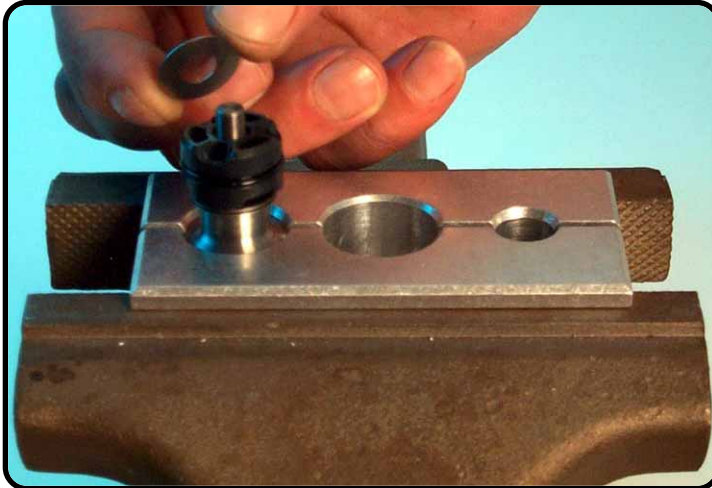
Unscrew the check-valve nut. (size 17)



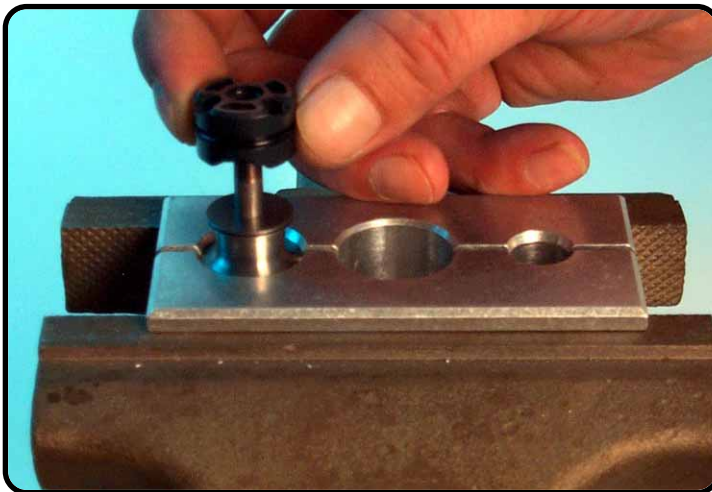
Remove the check-valve nut.



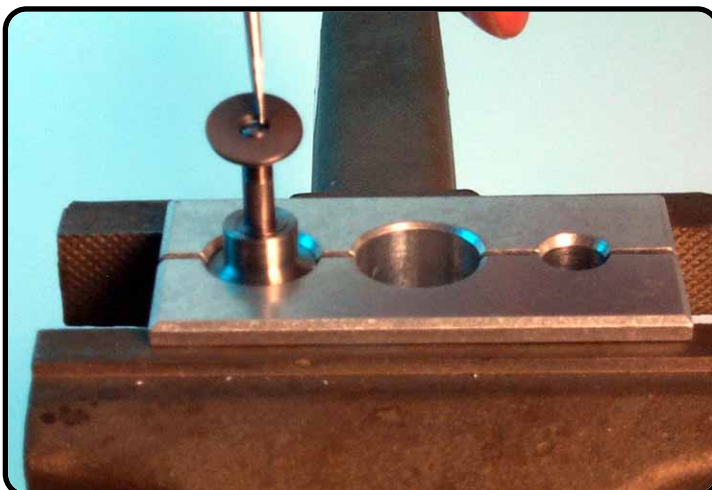
Remove the spring for check-valve.
Pay attention to the assembling direction!!



Remove the shim for check-valve.



Remove the piston and check the O-ring.
Pay attention to the assembling direction!!



Place a screwdriver on top and remove the
entire shim packet.

Workshop manual

Frontfork 5060 Extreme

Product

Exploded View

Disassembly & Assembling

suspension
WP



- tap compression
- compression shims
- piston with O-ring
- shim for check-valve
- spring for check-valve
- check-valve nut

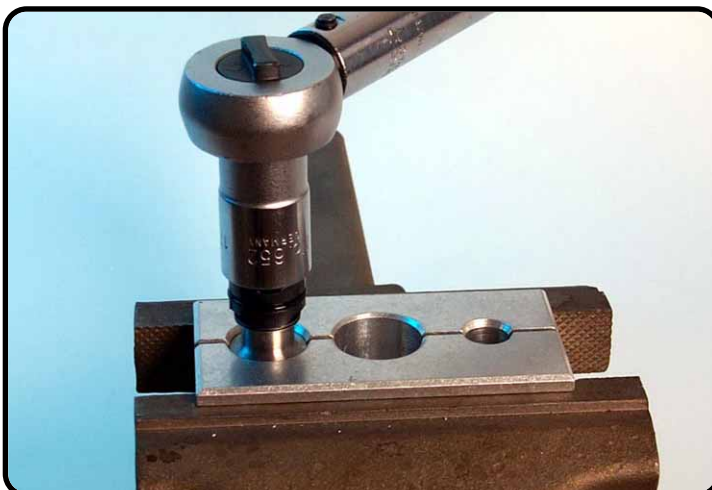
Assembling tap compression



Replace the piston with O-ring and the shims on the tap.



Assemble the shim and spring for check-valve.

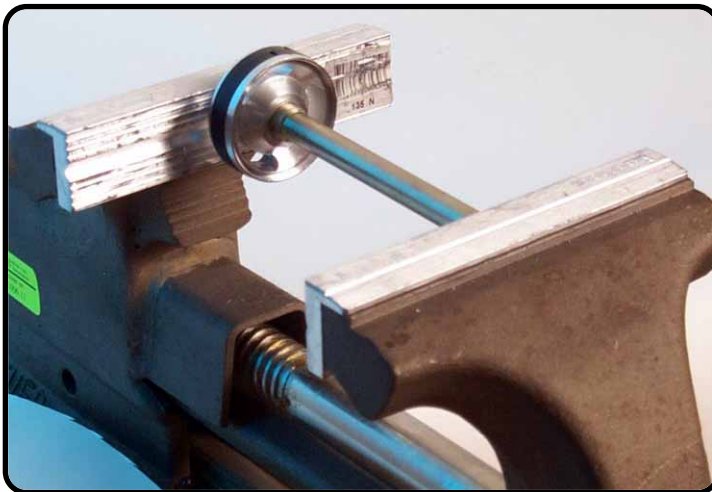


Tighten the check-valve nut to a torque of 5Nm.
Check if the spring is positioned correctly in the chamber of the nut.

Disassembly screwcap



Use T619 to press the DU-bush out of the screwcap with support



...of the vice.



The DU-bush.

Assembling screwcap

Assembling the DU-bush with support of....



...the vice.



Assembling cartridge



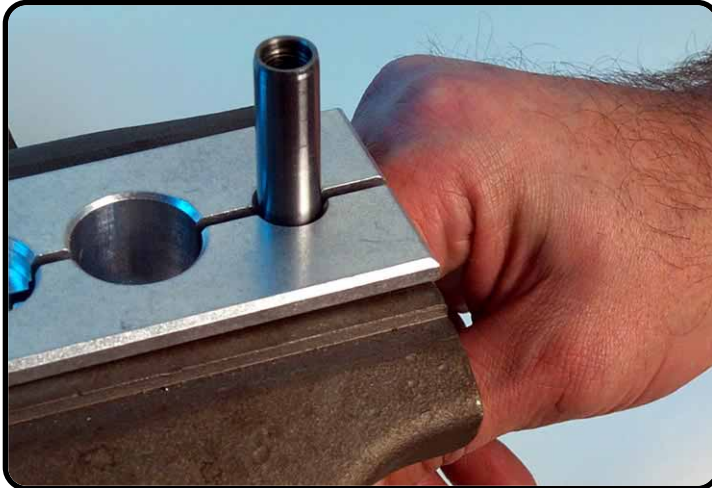
Grease the O-ring of the piston with frontfork oil.



Assemble the tap compression into the tube.



Push with support of the piston rod the tap comp. until the springing.



Clamp the piston rod with the bevelled edge on top in the clamping block.



Assemble the screwcap with steel ring.



Replace the rebound spring..



Assemble the rod tap.



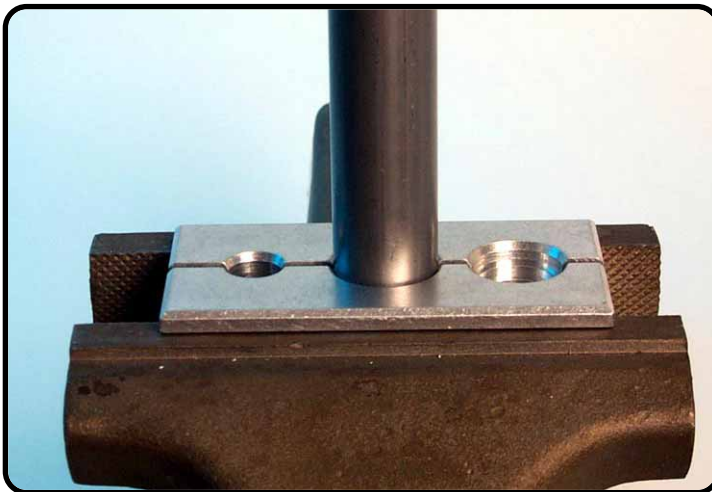
Tighten the rod tap..



Clamp the piston rod in on the other side and screw in the piston rod adaptor.



Tighten the piston rod adaptor.



Clamp the tube in the clamping block.



Assemble the piston rod "complete" with piston ring into the tube.



Assembling screwcap.



Screw down the screwcap.

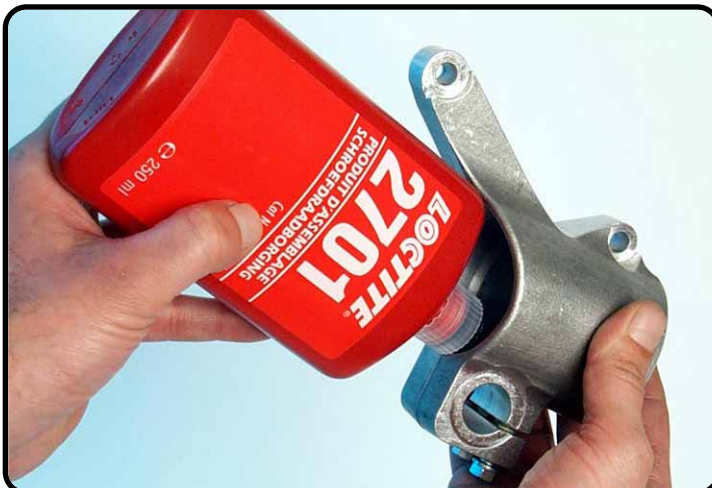
Assembling forkleg



Place a new O-ring in the groove of the axle-clamp.



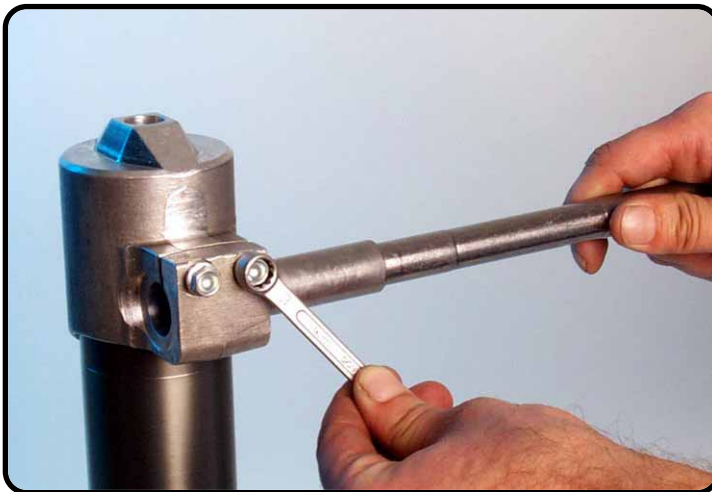
Wetting the thread of the inner-tube with T132.



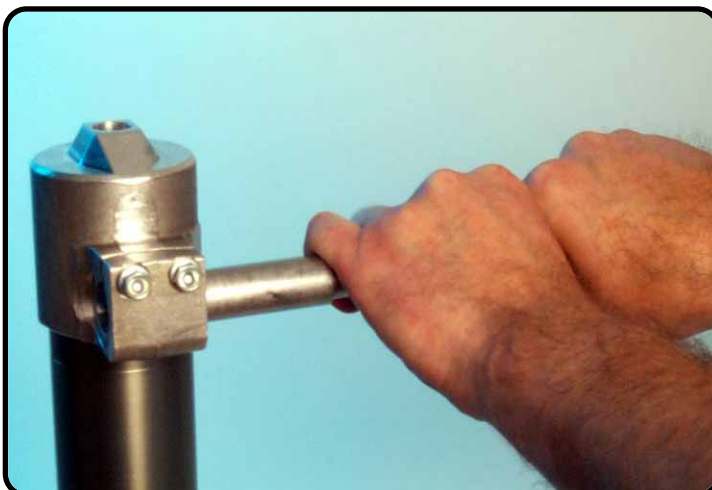
Wetting the thread in the axle-clamp with T132.



Clamp the outer-tube with T904 inside in the clamping block and assemble the axle-clamp.



Assemble the axle rod and....



....screw down the axle-clamp.



Assemble the DU-bush on the inner-tube and clamp the (axle-clamp) outer-tube in the vice.



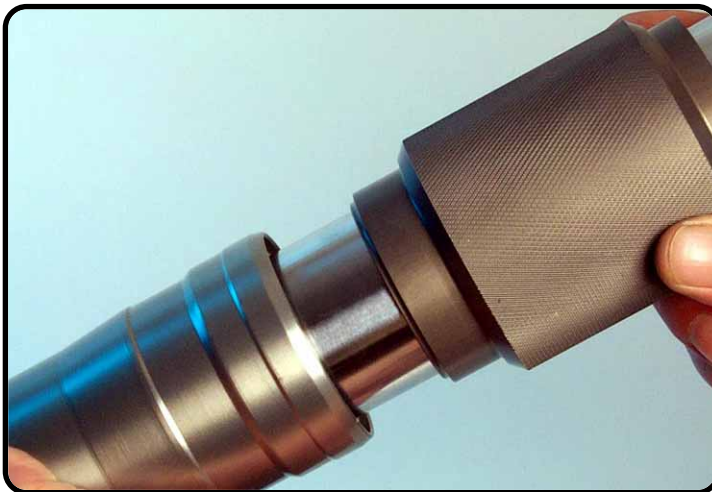
Slide the inner-tube slowly in the outer-tube.



Assemble the DU-bush outer-tube.



Use T902 -flat side- to tap or push the DU-bush in the outer-tube



Tapping the DU-bush in the outer-tube.



Replace the support ring.



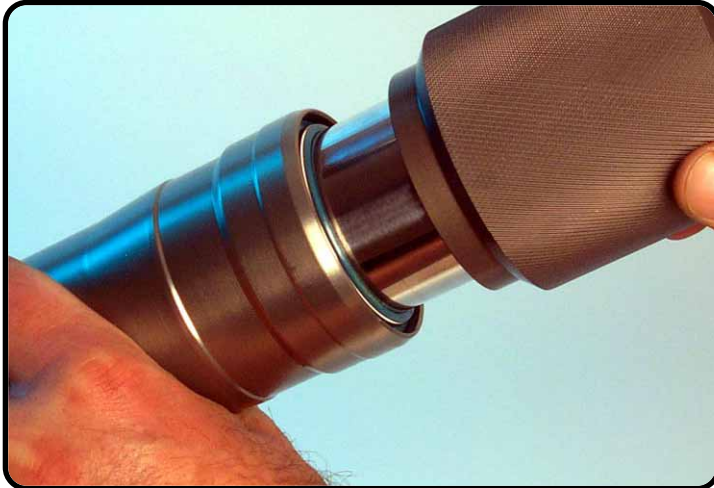
Place T901 on top in the inner-tube.



Dip the entire oilseal in frontfork oil / Apply frontfork oil to the entire seal.



Slide the oilseal over the inner-tube.



Assemble the oilseal with the other side of T902 in the outer-tube.



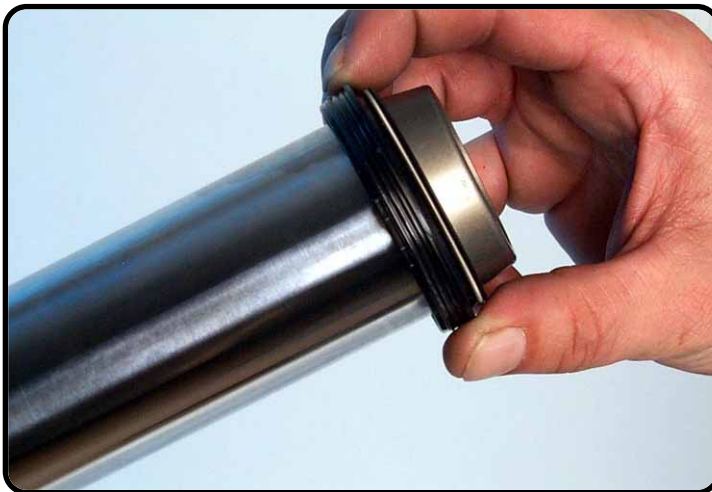
1. Assemble the circlip.



2.



Grease the innerside of the dust stripper with frontfork oil.



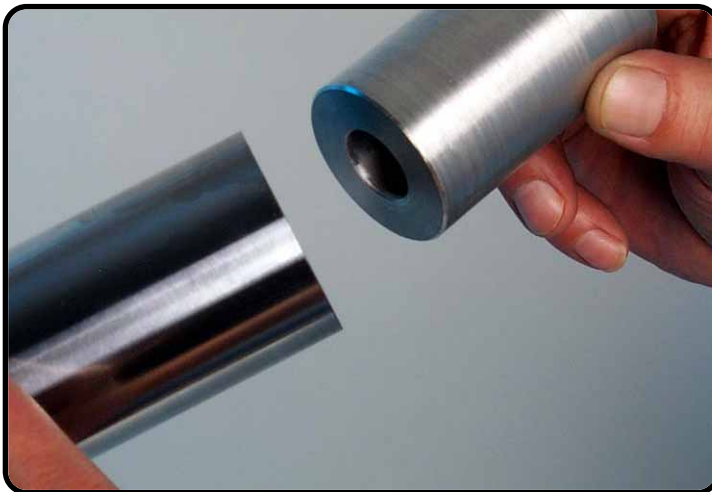
Slide the dust stripper over the inner-tube.



Tapping the dust stripper in the outer-tube.



Carefully release the air between the assembled dust stripper and outer-tube with a small screwdriver.



Slide inner-tube completely down in the outer-tube and assemble the hydraulic house.



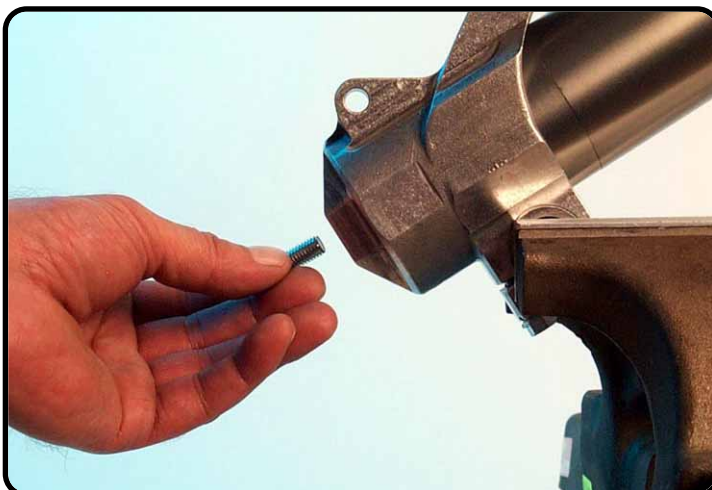
Caution:
Replace the ring with the spherical side on top of the screwcap.



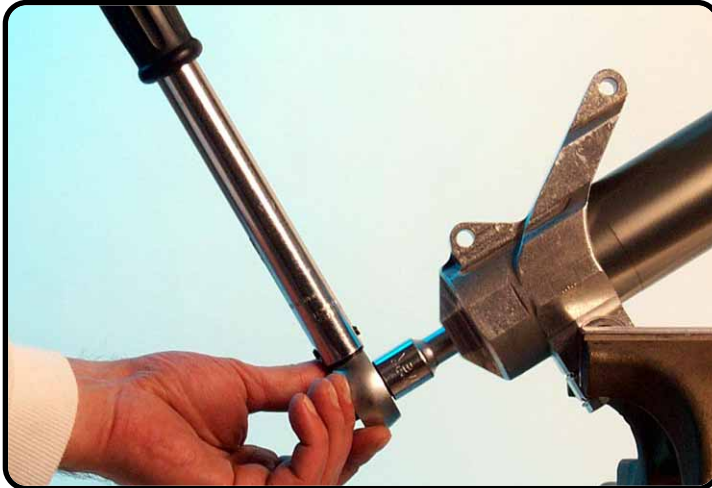
Assemble the cartridge in the forkleg.



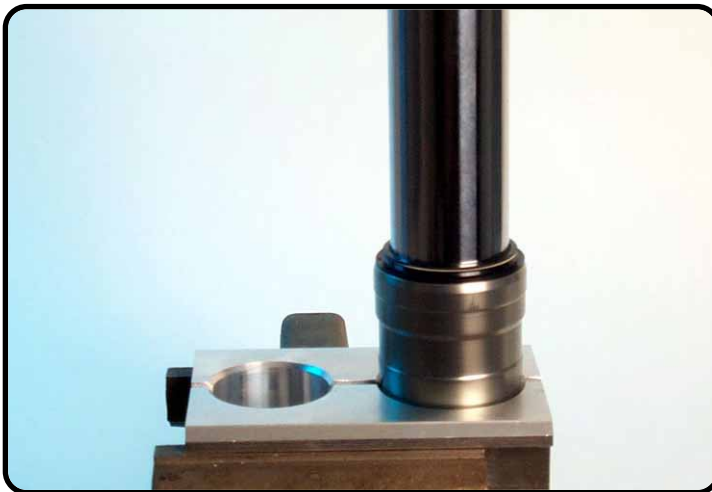
In case of an older type screwcap use T905 for assembling.



Assemble the bolt with a new copper washer.



Tighten the bolt to a torque of 22Nm.



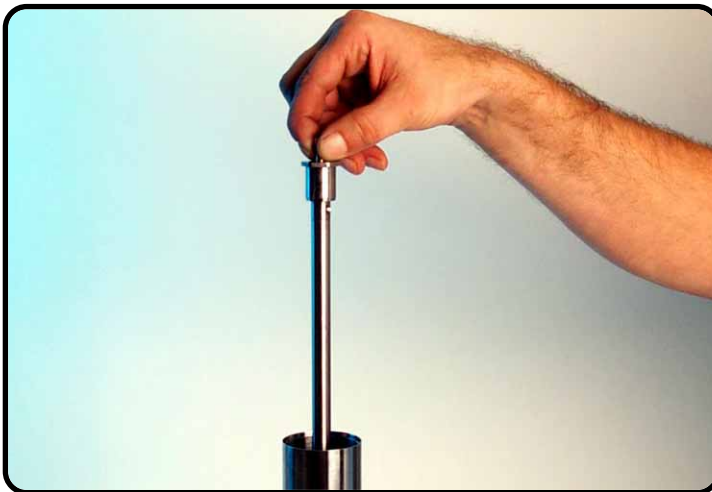
Assemble the forkleg in the vice.



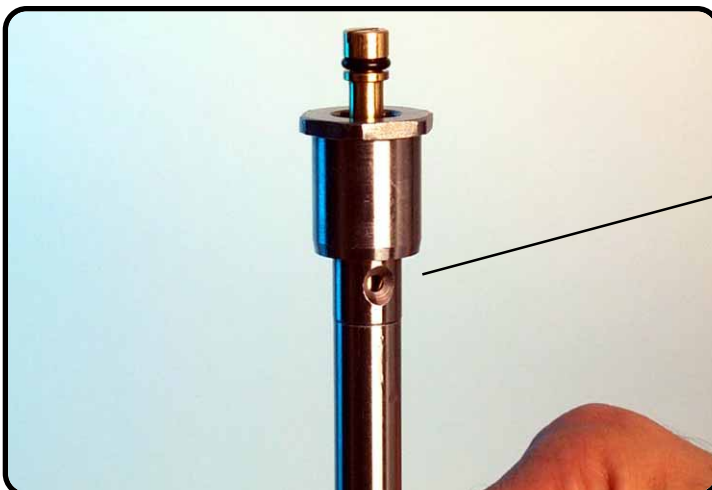
Fill the forkleg with oil just under the edge of the fully compressed inner-tube.



Move the inner-tube up and down a couple of times. (not too high)



Move the piston rod several times up and down, until you feel that all air is bled out. (The damping is smooth over the entire stroke)



Rebound side: Oil is coming through this hole.



Adjust T137S to the correct level.



Hold the upper side of the piston rod exactly level with the edge of the fully compressed inner-tube.
Hold squeezed bottle so that the O-ring touches the edge of the inner-tube.
Releasing the pressure to the bottle will suck up the oil till the correct level.



Replace the spring with the conical side under.



Assemble the spring.



Replace the steel washer first and then the preload spacers.



Assemble the springretainer



Pull the inner-tube up.



Screw in the screwcover.



And tighten the screwcover to a torque of 30Nm.

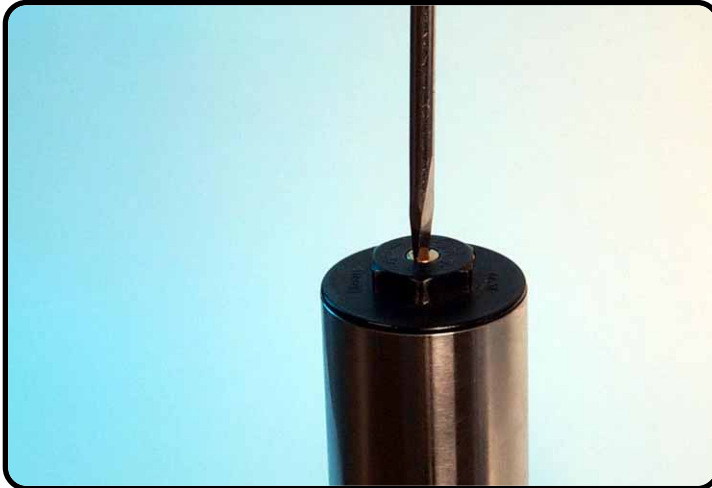
Workshop manual

Frontfork 5060 Extreme

Product

Exploded View

Disassembly & Assembling



Position REB/COM!