

**Product**

Exploded View

Disassembly & Assembling



# Dual Compression Control

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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.

Always use aluminium protector-plates, when clamping our products or parts in the vice.

Always replace damaged or worn parts.

Clean all parts before assembling.

#### **Caution:**

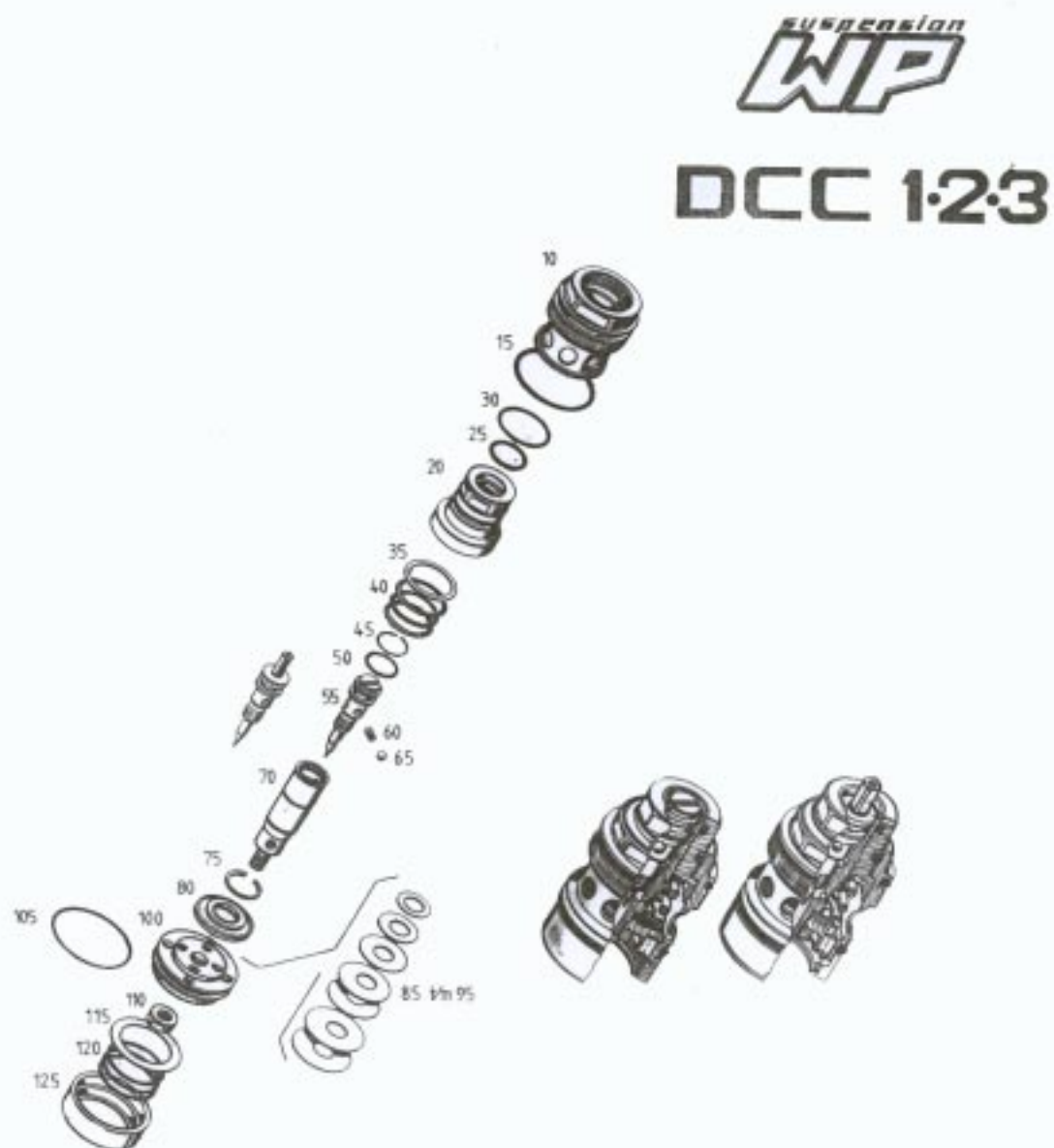
Many times it is necessary to assemble parts with T131, T132 and T163.

These parts must dry for at least four hours!!

***This workshop Manual of the DCC is for the "ROAD" shockabsorbers, the DCC for the "OFF ROAD" shockabsorbers is the same only without the adjustment knobs.***



## Exploded view



Draw. nr. 99.46.50.17.



## Disassembly DCC



DCC for the "OFF ROAD" shock absorbers.

Hexagonal size 17 for the High-Speed compression adjustment.

Adjusting screw for the Low-Speed compression adjustment.



1. Remove the screw-cap with the hexagonal high-speed adjustment.



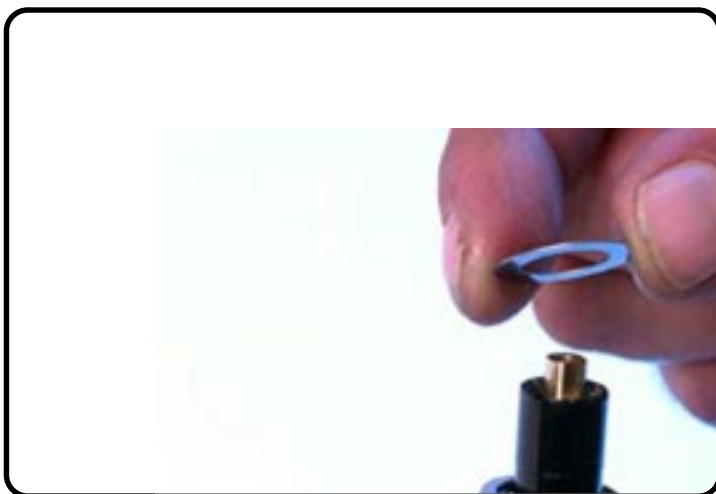
2.



Turn clockwise the hexagonal adjustment part out of the screw-cap. (size 17)



The hexagonal adjustment part out of the screw-cap.



Remove the plate (backplate) from the spring.



Remove the high-speed spring.

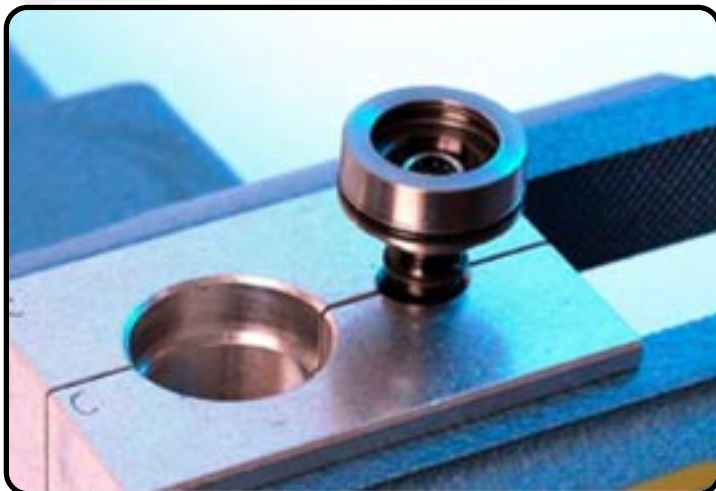
## Workshop Manual

### Dual Compression Control

Product

Exploded View

Disassembly & Assembling



Clamp the mechanism in T1208S.





Unscrew the nut.  
(size 10)

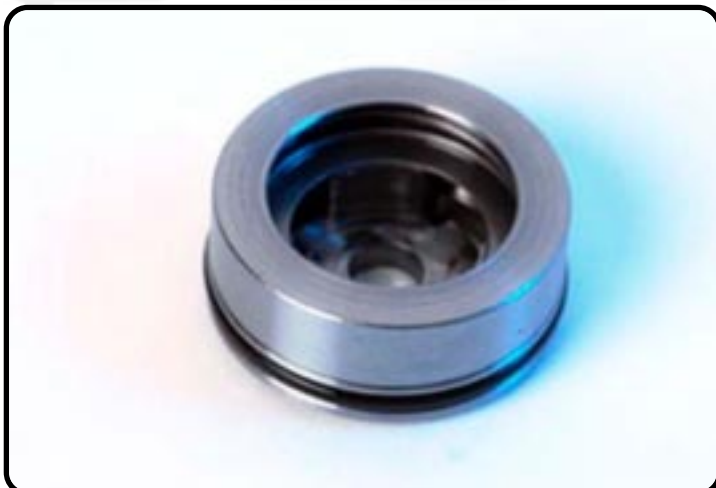


Turn the nut of the dampings adaptor.



Remove the piston with check-valve  
mechanism.





Check-valve side.



DCC piston side.



Disassemble the O-ring.



Disassemble the entire dampings (shims) package.  
Pay attention to the assembling direction!!!



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



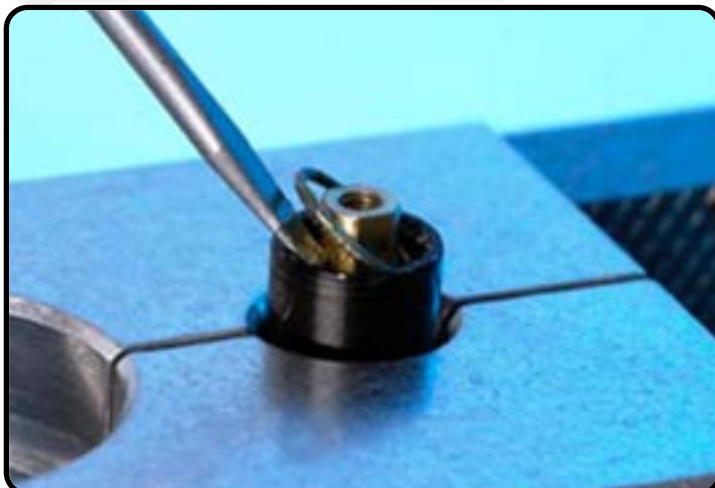
Remove the locking ring of the dampings adaptor.



Clamp the mechanism not too tight in the clamping block in this position.



Turn with the knob or screwdriver the Low-Speed compression fully inwards.



Remove the springing out of the dampings adaptor.



Turn with the adjusting knob or screwdriver the Low-speed needle completely out.



Disassemble or pull the Low-Speed adjustment needle out.  
Pay attention to the spring and steel ball.



Remove the steel ball and spring.





Remove the O-ring out of the groove of the screw-cap.



Remove the O-ring out of the groove of the High-Speed hexagonal.



Remove the O-ring inside.



All parts of the DCC mechanism.



## Assembly DCC



Assemble the spring into the Low-Speed adjustment needle.



Grease some T159 on top of the spring and also on the O-ring.



Place the steel ball on the spring.



1. Assemble the Low-Speed adjustment needle dampings adaptor.



2.



Turn completely the needle inwards.



Assemble the springring into the groove of the dampings adaptor.



Assemble the locking ring.



Assemble the disk.  
Pay attention to the assembling direction!!!



Replace the entire DCC setting.  
Pay attention to the assembling  
direction!!!

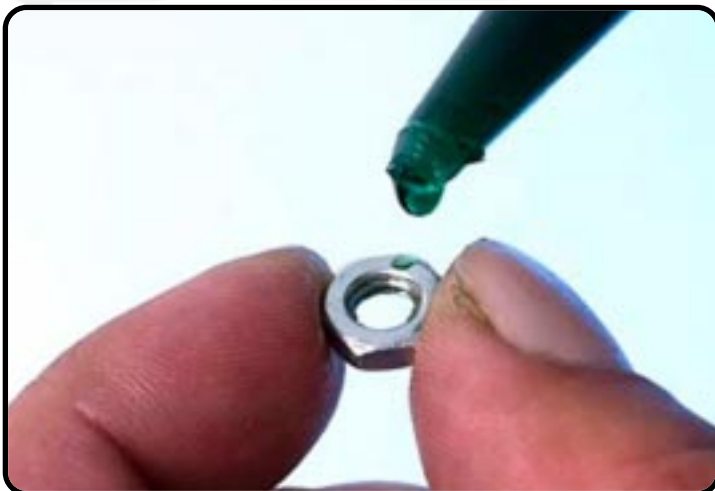


1. Replace the piston with check-valve  
mechanism.



2.

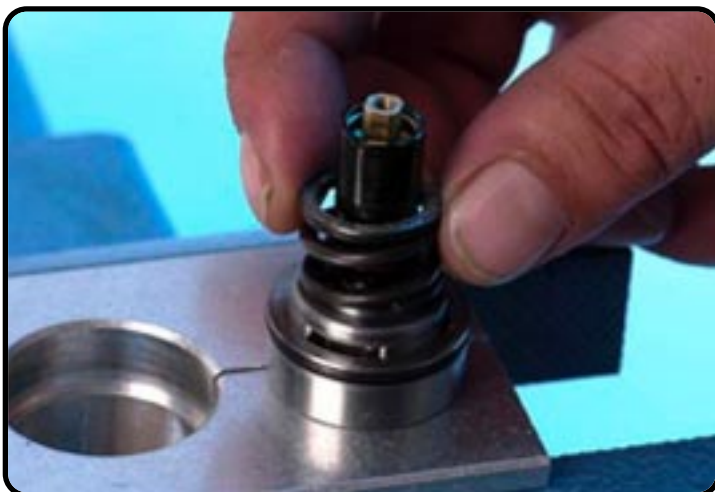




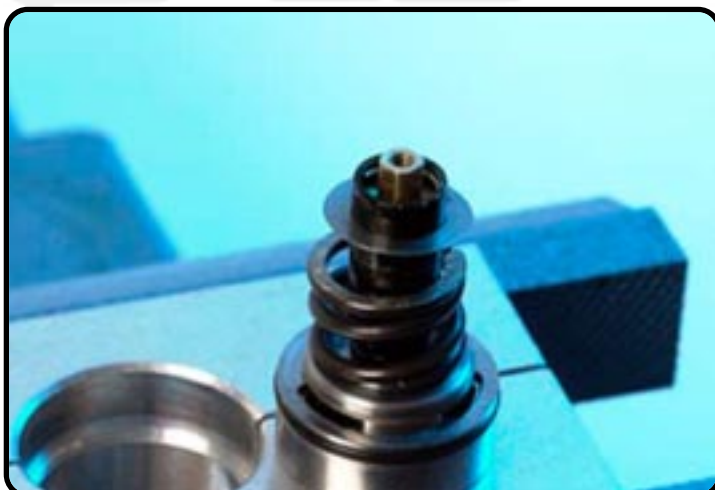
Wet the thread of the nut with T132.



Tighten the nut to a torque of 4Nm.



Assemble the spring of the High-Speed adjustment.



Replace the plate (backplate).



High-Speed adjustment part with the assembled O-ring.



Assemble the O-ring inside the groove of the hexagonal High-speed adjustment part.



Grease the O-ring with T159.



Grease with T159 the O-ring inside.





Assemble the O-ring into the groove of the screw-cap.



Assemble the hexagonal into the screw-cap.



Turn the hexagonal High-Speed adjustment part anti clock wise through the screw-cap of the DCC.