

Maintenance Manual MAGURA forks

ATTENTION: Release air BEFORE working on air suspension forks! Danger of serious injury!



The air can be released with the top side of the air cap.

1 Removing the lower leg from the stanchions



Extract rebound knob.

Unscrew both bolts with a 5mm allen key from the lower ends of the lower leg.



ATTENTION: The hollow bolt must lift off from the lower leg end, it must not turn the rebound piston rod inside.
If the hollow bolt will not loosen easily, heat it up with a hot air gun.



Keep the fork horizontal and slide off lower leg.
ATTENTION: Lubrication oil may escape!

Now the lower leg can be cleaned, the dust scrapers and bushings can be replaced, if needed, as described further on.

2 Removing the damping and suspension unit



Remove the clip-ring on the damping side and pull out the complete rebound unit.
ATTENTION: Hold the fork vertical with the steerer tube facing downwards to avoid oil loss!
Pour out the oil into a bin.

Remove the clip-ring on the air side and pull out the complete piston rod unit.

Lever off the blue knob (e.g. with a plastic tyre lever), unscrew carefully the DLO or Albert Select damping unit and the air cap with a 28mm socket or pipe wrench.



Now you can check the complete structure unit for damages and clean it.

3 Re-assembly

The re-assembly starts at the bottom end.

Place the rebound unit and air piston unit from the lower side into the stanchions and secure them with the cliprings (clipring must snap into its groove!).



Pour 5ml lubrication oil from the upper end onto the air piston.
Screw in the air cap and tighten with 10Nm.



Fill damping oil from the upper end according to the model into the damping unit.



Depending on the fork model, install the DLO or AS unit
CAREFULLY by hand from the upper side.
ATTENTION: DLO or AS must stay on OFF!
Tighten with a 28mm socket or pipe wrench.
Tightening torque: 10Nm.

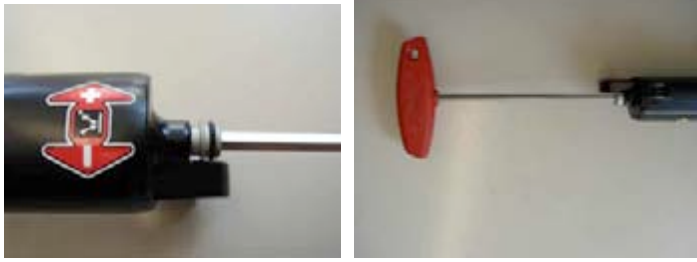
Now slide on carefully the lower leg onto the stanchions.
ATTENTION: Do not damage the dust scraper and foam ring!
Check the orientation of the hex at the end of both rebound and
air piston rods, they have to match the hex in the lower leg.



Before sliding the lower leg completely onto the stanchion, pour 2,5ml Suspensionblood Type 5 into each leg.



Then slide the fork completely together. ATTENTION: the hex of both piston rods have to slide into their corresponding hex in the lowers. VISUAL CHECK!!



Install both bolts at the lower end of the lower leg and tighten with 6Nm.

Install rebound knob.

Fill fork with air and check the function of the fork.



1 Assembly units overview

1.1 Rebound unit versions:

top NEW models 2008 but not Odur and Durin



bottom: rebound units all 2007 models

ATTENTION: Always use the correct hollow bolt!

LEFT: NEW version, RIGHT: OLD version resp. Odur 2007/2008.



The new 08 rebound unit for XC forks is available in 3 different lengths, depending on the travel of the fork. These are NOT interchangeable among each other!

The one 07 rebound unit was for all 3 travels.



Left: old version, right: NEW versions in 3 lengths

Special feature Durin:

Durin has also 32mm stanchion diameter, but thinner wall thickness, i.e. bigger inner diameter.

That's why Durin and the rest of the XC units are not compatible!



Differentiation is made by the colour of the piston:

XC models are SILVER, Durin is BLACK!

The Durin rebound unit is also available in 2 lengths: 80 and 100mm!

1.2 DLO Unit

The DLO unit from Durin is also not compatible with the respective units from Menja and Odur.

Differentiation is also made by the colour of the piston:

XC models are SILVER, Durin is BLACK!



1.3 Air side

Differentiation is also made on the air side:



Top: Durin, bottom: XC air forks
stepped piston

XC air fork: with

Durin: halfround piston
with 2 thick o-rings

1.4 Albert Select (AS) differences:

2 version of Albert Select: AS 1 and AS 2.

These are available in 2 additional versions for Laurin and Wotan.

The difference is the diameter of the piston because of the different stanchion diameters.

Albert Select 1 MY 2007 (top)

Albert Select 2 MY 2008 (bottom)



Recongnizable from outside by the differently shaped golden knobs.



left: NEW AS 2 unit, right: old version

Use **ONLY** a new AS 2 unit with the RED dot in the golden knob when combining with an old rebound unit.



The version with the red (right) dot is set up for the old rebound unit.

2 Replacing bushings and dust scraper

2.1 Necessary tools:



Complete tool set Nr. 0722618 for forks with 32mm stanchion diameter consisting of:

- 1 x 0722620 bushing extractor D32
- 1 x 0722622 bushing installer D32
- 1 x 0722624 dust scraper installer D32
- 1 x 0722626 socket wrench SW 28



Complete tool set Nr. 0722619 for forks with 36mm stanchion diameter consisting of:

- 1 x 0722621 bushing extractor D36
- 1 x 0722623 bushing installer D36
- 1 x 0722625 dust scraper installer D36
- 1 x 0722626 socket wrench SW 28

1.1 Removal of dust scraper and bushings

Lever off dust scrapers CAREFULLY!!

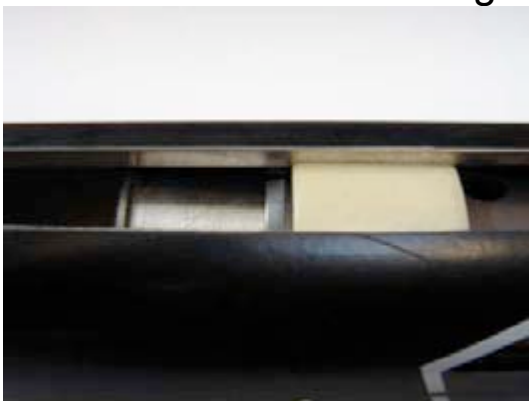


Tip: use open end wrench 19mm

Install the bushing extractor, make sure the extractor is fully screwed backwards,



so the claw is placed behind the lower bushing.
Then extract both bushings at the time.



Now clean and check the lower leg for damages.

These steps are identical for all MAGRA forks, only difference is the stanchion diameter of 36mm for Wotan.

1.2 Installing new bushings and dust scrapers



Special plastic bushings for all air forks 08 and Durin. Wotan and Odur with steel backed bushings.

Install first the lower bushing, which has a smaller outer diameter. Use the bushing installer.

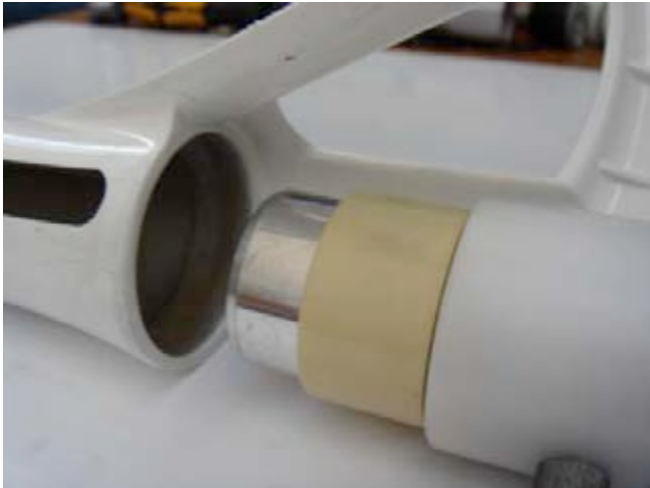


You must use the white dead stop for a correct position of the lower bushing.

ATTENTION: The red ring is required additionally to the white dead stop on Durin only.



Install the upper bushing also with the bushing installer in combination with white plastic ring as dead stop.



Check the position of the pin to avoid damages.



noch 1Bild mit Position of the ring on the installer

Slide first the dust scraper and then the foam ring onto the installer and press all together into its seat on both sides.



Wotan is identical but different diameter, use the respective tools for 36mm diameter.