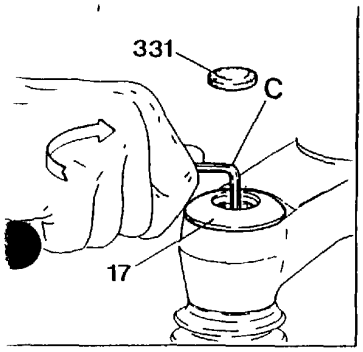
FAILURES, CAUSES AND REMEDIES

This paragraph reports some troubles that may occur when using the fork. It also indicates possible causes and suggests a remedy. Always refer to this table before doing any repair work.

FAILURES	CAUSES	REMEDIES
Fork bottoms out even though preload adjuster is fully turned in	Too soft elastomers	Replace using harder elastomers
Fork does not move smoothly in compression and rebound	Friction between elastomers and support rod due to clogged mud or dirt	Remove the rod and grease it after sliding off the elastomers. Remove any mud traces
Excessive damping at low outer temperatures	Change of the physical features of the elastomers at low temperatures	Replace with softer elastomers
Poor damping at high outer temperatures	Change of the physical features of the elastomers at high temperatures	Replace with harder elastomers



DISASSEMBLY (see figures on the folded leaflet enclosed to this manual)

The reference numbers given in this section refer to the components shown in the fork exploded drawing on the folded leaflet enclosed to this manual
To replace the elastomers, just carry out the operations in FIG 1-2-3 and 4

FIG. 1
After removing the rubber plug (331), fully preload the adjusting screw (332) by means of the 4 mm Allen wrench (C, Item 60 39)
Completely unscrew the upper plug (17) by means of the 12 mm Allen wrench (A, Item 60 36)
This operation is absolutely necessary for models **ZOKES 2** and **ZOKES TREKKING** to fully fit the key for removing the upper plug (17)
For models **ZOKES-PRO**, an anticlockwise turning of the adjusting knob (321) up to the minimum preload condition is recommended

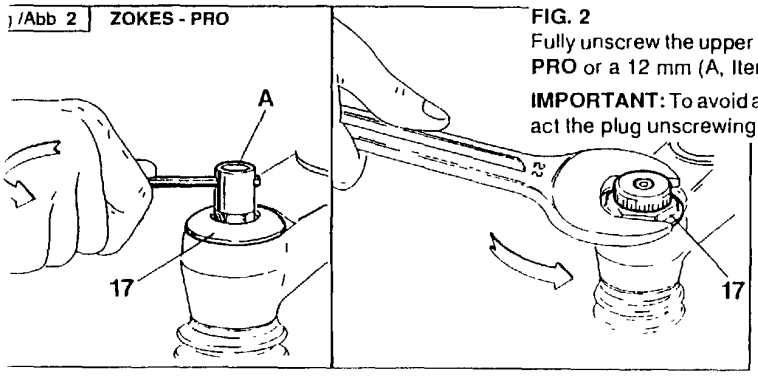


FIG. 2
Fully unscrew the upper plug (17) by means of a 22 mm Allen wrench for models **ZOKES-PRO** or a 12 mm (A, Item 60 36) for models **ZOKES 2** and **ZOKES TREKKING**

IMPORTANT: To avoid any damage to the fork components do not vice fork legs to counter act the plug unscrewing effect

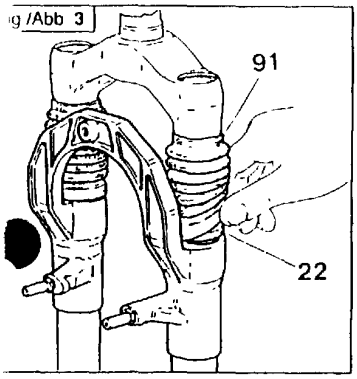


FIG. 3
Withdraw the upper part of the protection bellows (91) from the oil seal (22)

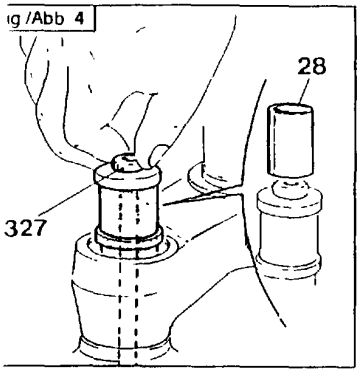


FIG. 4
Pull out the upper rod (327) with the elastomers from the stanchion tube For models **ZOKES-PRO**, a spacer tube (28) is fitted at the rod end (327) which should be removed
If worn out, slip the elastomers off the rod and replace as necessary

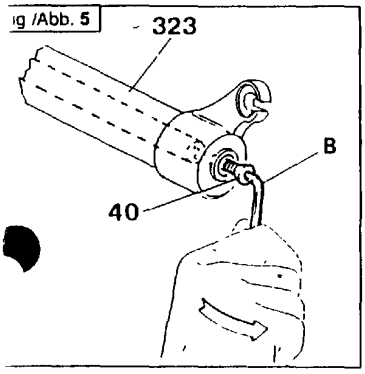


FIG. 5
Unscrew the bottom screws (40) by means of a 3 mm Allen wrench (B, Item 60 37)

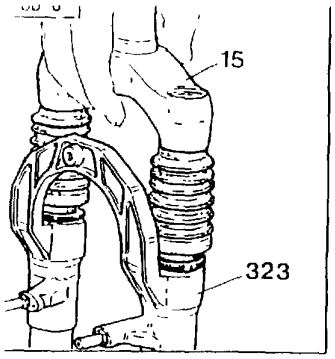


FIG. 6
Pull out the steering crown assy with the stanchion tubes (15) from the arch/slider assy (232)

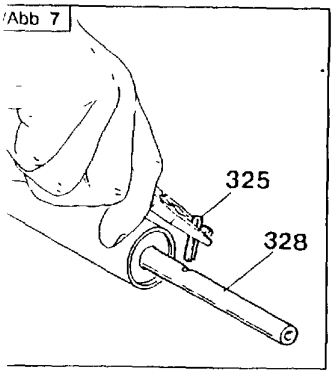


FIG. 7
Remove the spring pin (325) from the lower rods (328)

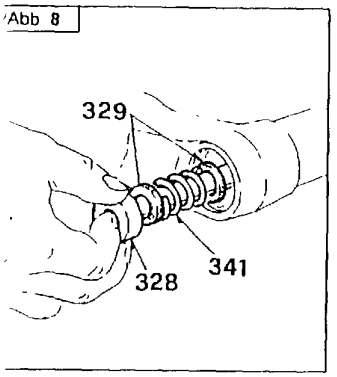


FIG. 8
Turn the stanchion tubes over and pull the lower rod (328) with rubber pad (329), counter-spring (341) and the other rubber pad (329) out

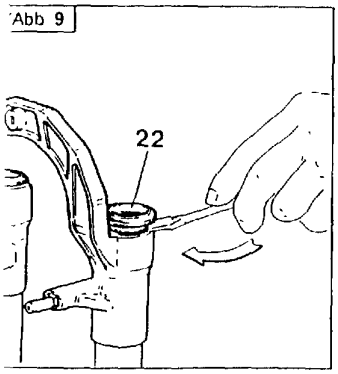


FIG. 9
Slip the seal ring (22) off the slider top levering with a flat screwdriver

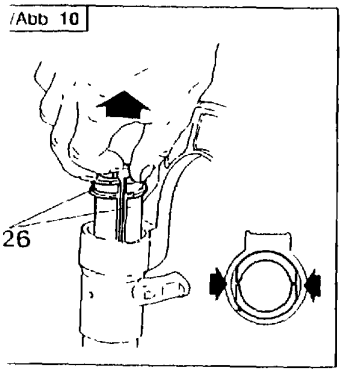


FIG. 10
Use a flat screwdriver fitted where shown by the arrows between sleeve and bushing halves (326) Remove the bushing halves

IMPORTANT: do not damage the inner sleeve surface while withdrawing the bushing halves

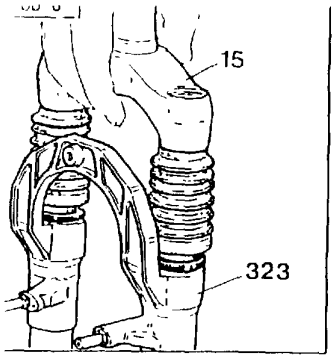


FIG. 6
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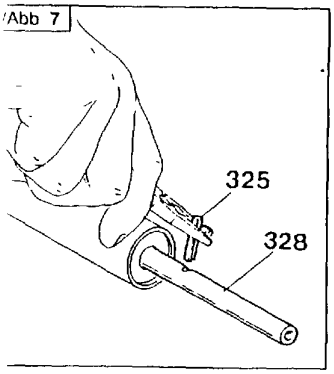

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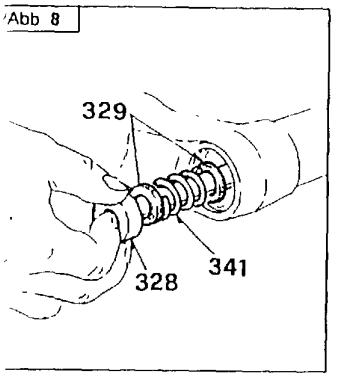

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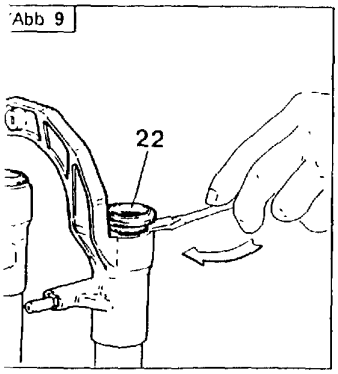
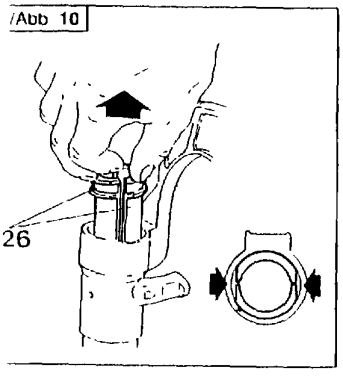


FIG. 9
Slip the seal ring (22) off the slider top levering with a flat screwdriver



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IMPORTANT: do not damage the inner sleeve surface while withdrawing the bushing halves

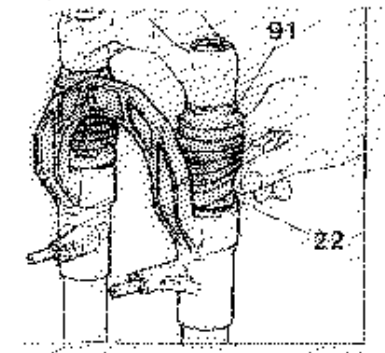

FIG. 6
Fit the lower edge of the protection bellows (91) under the seal ring collar (22)

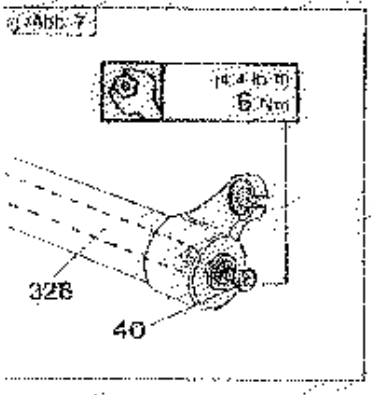

FIG. 7
Fit a small screwdriver into the hole under the slider foot and align its end with the threaded hole of the lower rod (328) to reach the bottom screw (40). Screw the bottom screw (40) at 6 Nm (4.4 lb ft.) while holding, if necessary, the lower rod (328) inside the stanchion tube by means of a screwdriver for wide slots

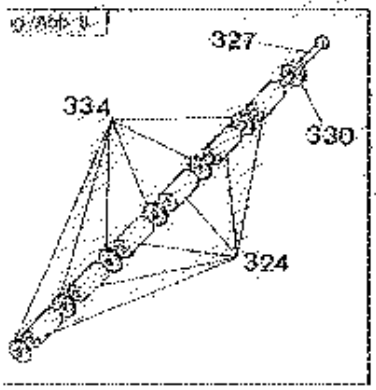

FIG. 8
Fit the whole elastomer set on the rod (327), which must be well greased, assembling the (aluminum) upper ring (330) first and then alternately an elastomer (324) and a spacer ring (334). The elastomer set should always have a spacer ring as last component

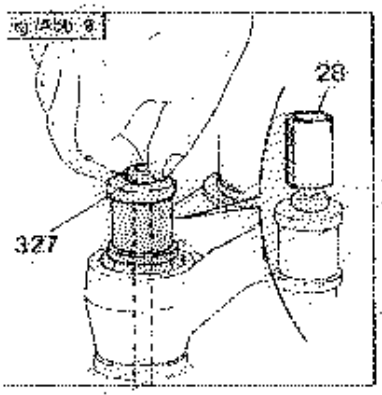

FIG. 9
Fit the rod with the elastomers into the stanchion tube and try to fit the upper rod end (327) into the lower rod (328). This operation can be easier if the upper rod is trimmed. In models **ZOKES-PRO** fit the spacer (28) at the rod end (327)

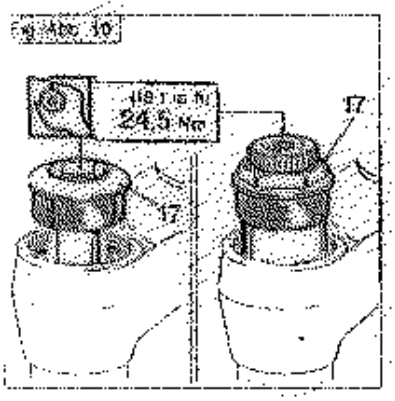

FIG. 10
Before reassembling the upper plugs (17) lubricate the outer thread and the adjusting screw thread. To make this, the adjusting screw should be in the min. preload position

IMPORTANT: all upper plug (17) components (**ZOKES-PRO**) should be disassembled only when really needed

Assembly the complete plug (17), by hand first and then tighten at 24.5 Nm (18.1 lb.ft.). In models **ZOKES 2** and **ZOKES TREKKING**, the adjusting screw (332) should be screwed up to the max. preload position to fit the key.
Adjust the elastomer preload as specified in "Guidance for elastomer replacement" and put the fork back onto the frame.