

31 42 005 Changing oil in telescopic forks

Preparatory work

- Fitting the auxiliary stand
- Removing brake-line holder
- Removing front wheel
- Releasing brake caliper
- Removing left fork leg
- Removing right fork leg

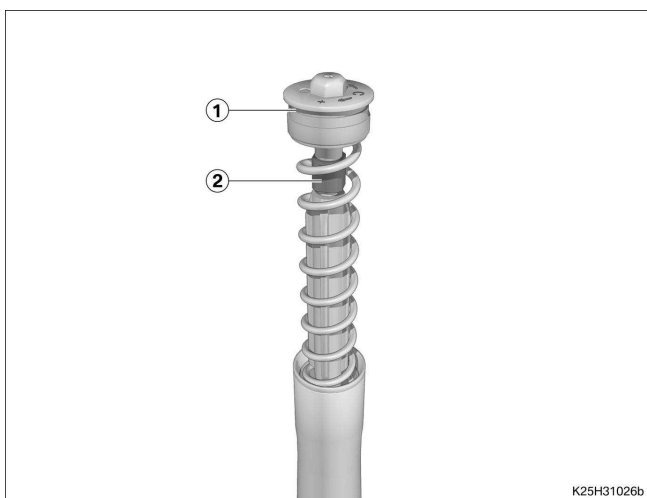
Core activity

(-) Draining oil from telescopic forks

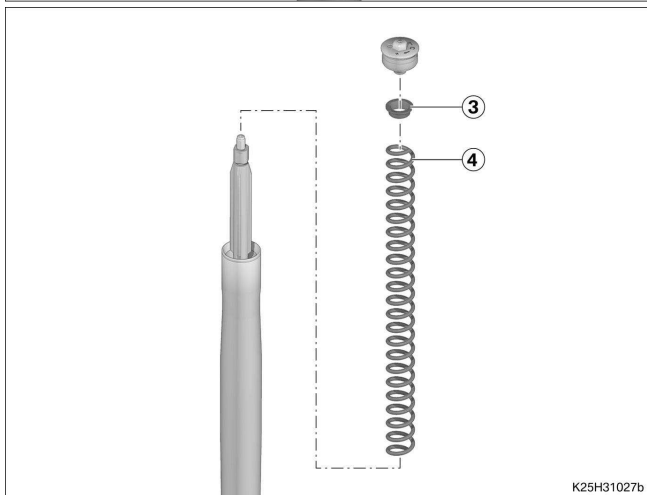
- Firmly and repeatedly compress the fork leg to free any dirt that may be inside.

► Removing spring

- Using protective jaws, clamp the fork leg at the axle mount or the brake-caliper anchorage, as applicable, in the vice.
- Fully unscrew cap (1) from the fixed fork tube and carefully lower the fixed fork tube fully onto the slider tube.
- Hold cap (1) in position with an open-ended spanner and release locknut (2).
- Remove the cap.



K25H31026b



K25H31027b

- Remove spring centring spigot (3) and remove spring (4).

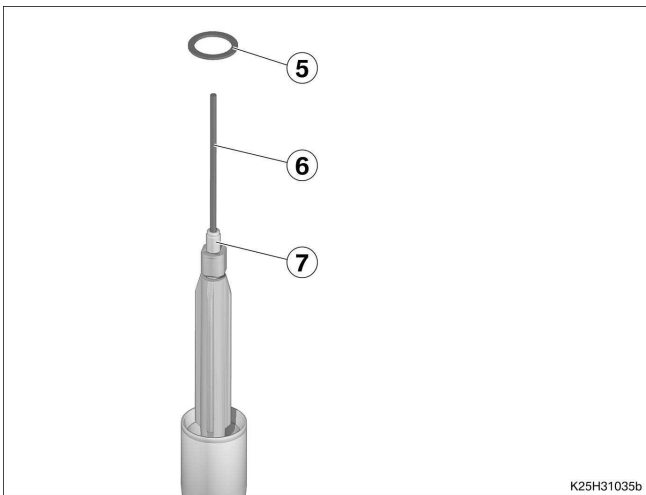


- Pull regulating rod (6) out of piston rod (7).
- Pour the oil out of the fork leg, taking care not to lose spring keeper (5) when it drops out. Drain out all the oil into a suitable container.



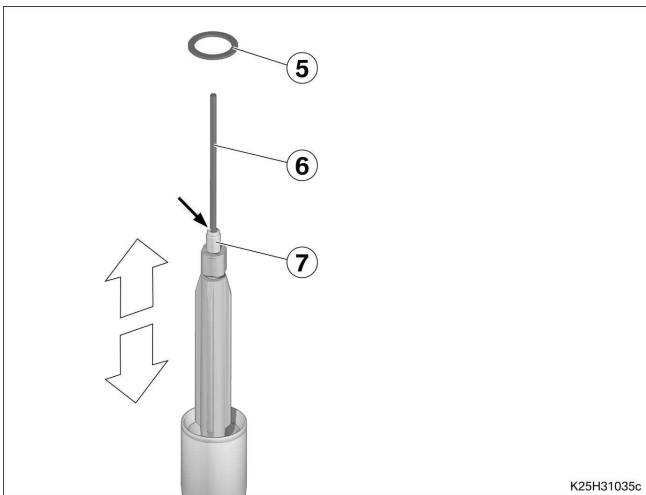
Note


Pump repeatedly with the piston rod to speed up the process of draining the oil.



(-) Pouring oil into telescopic forks

- Using protective jaws, clamp the fork leg at the axle mount or the brake-caliper anchorage, as applicable, in the vice.
- Carefully lower the fixed fork tube all the way onto the slider tube.
- Raise piston rod (7) and pour oil into the slider tube and the inner duct (arrow) of the piston rod.




 Technical data		
Fork oil, capacity per fork leg	0.67 l	
Consumables/lubricants		
Hydraulic fluid		

- Compress and extend the piston rod a few times to make sure that the internal damper is completely filled.
- Install regulating rod (6).
- Install spring keeper (5).
- Compress and extend the fixed fork tube until the oil is free of bubbles.
- Allow the oil to settle for a few minutes.

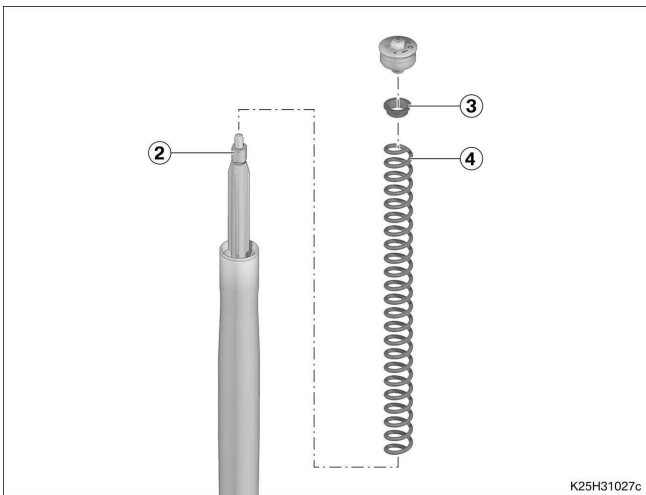
► **Installing coil springs**

- Use dipstick (No. 31 6 551) to correct the oil level.

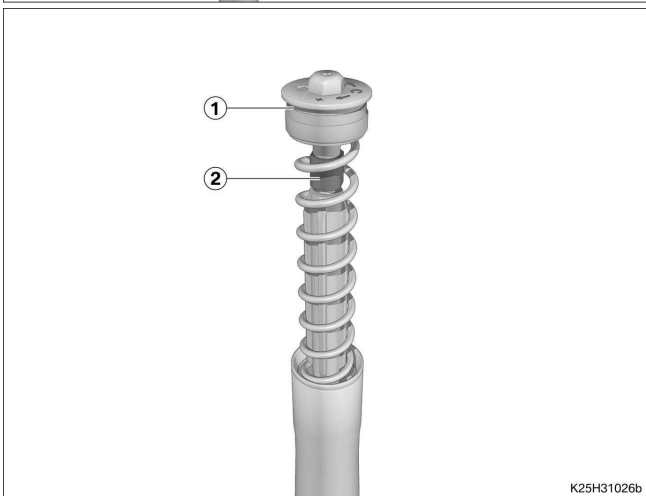


 Technical data		
Level of fork oil in fork leg (air chamber)	70 ⁺¹⁰ mm	


- Install locknut (2) with the collar up and **tighten it down** onto the piston rod.




- Slip spring (4) over the piston rod.
- Insert spring centring spigot (3) in the cap.



- Hold locknut (2) with an open-ended spanner and turn the spring clockwise all the way down.
- Fully tighten cap (1) on the piston rod.
- » Locknut (2) must be screwed home on the piston rod.
- Secure cap (1) with locknut (2).

 Tightening torques		
Locknut to cover	30 Nm	

- Grease O-ring for cap (1).

 Consumables/lubricants		
Molykote 111	Silicone grease	11 00 7 660 832

- Screw cap (1) into the slider tube.



Finishing work

- Installing right fork leg
- Installing left fork leg
- Securing front brake caliper
- Installing front wheel
- Installing brake-line holder
- Removing the auxiliary stand
- Final check of work performed