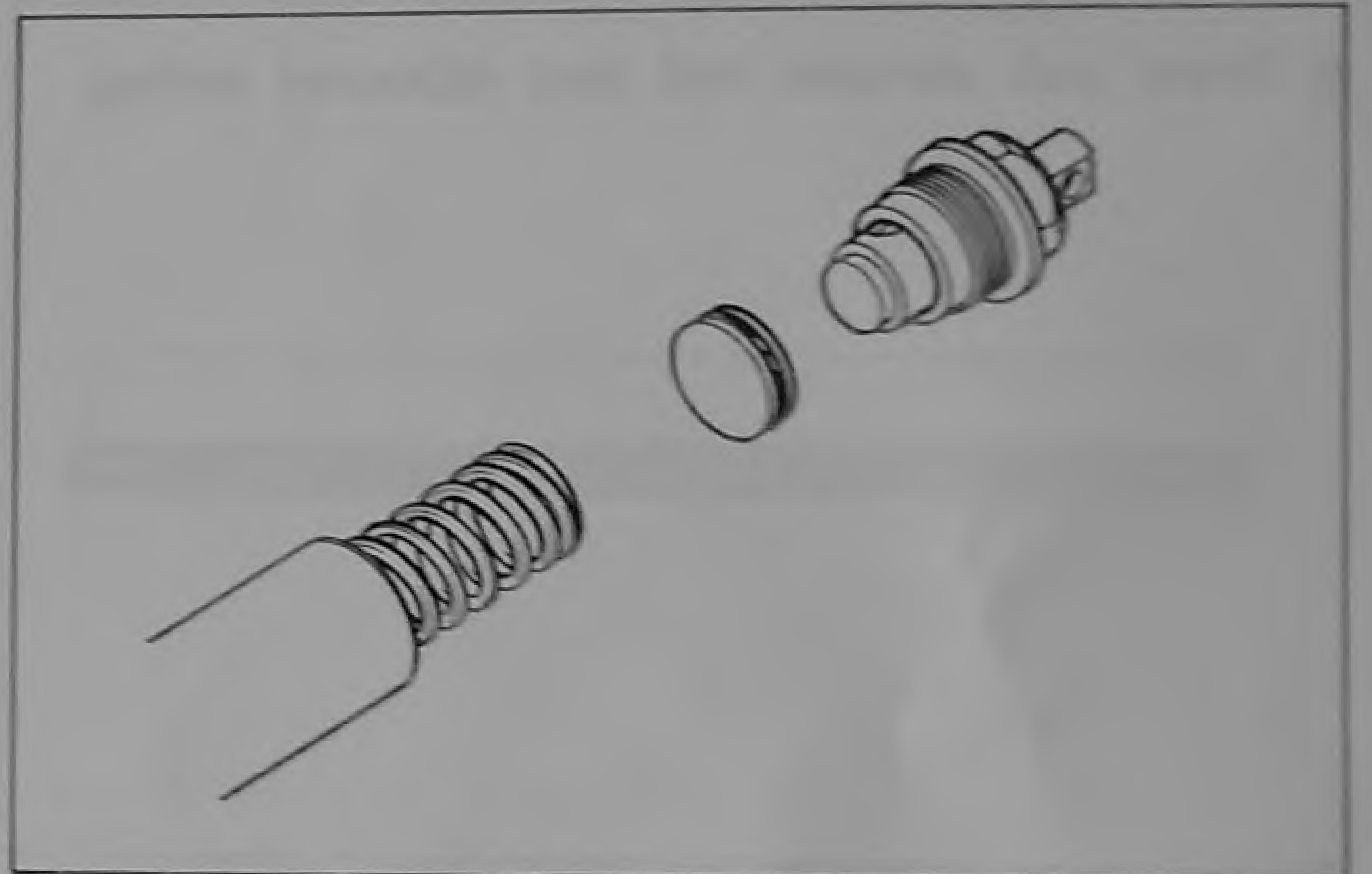


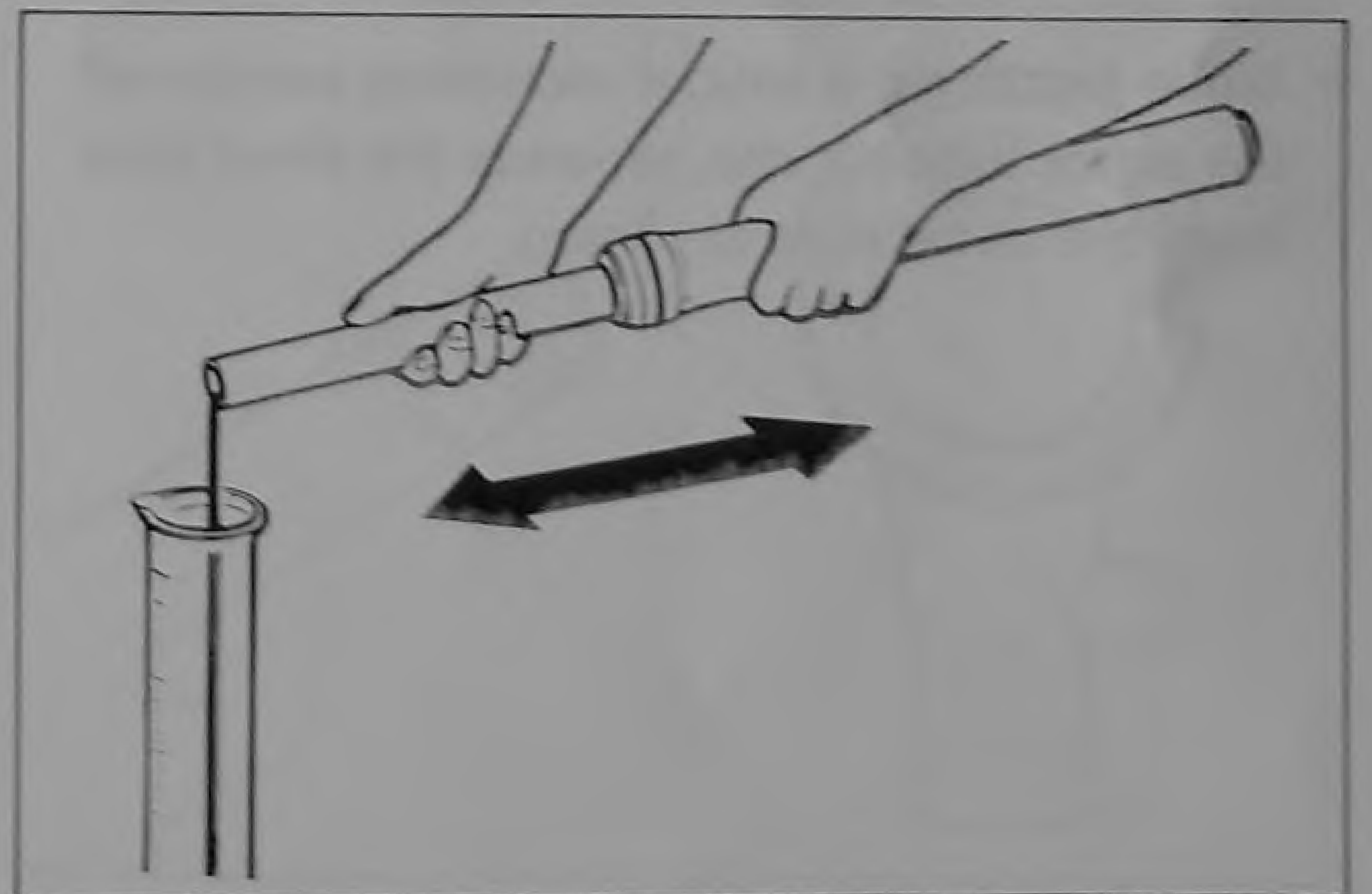
- Remove right and left front fork caps and pull down front fork assemblies.



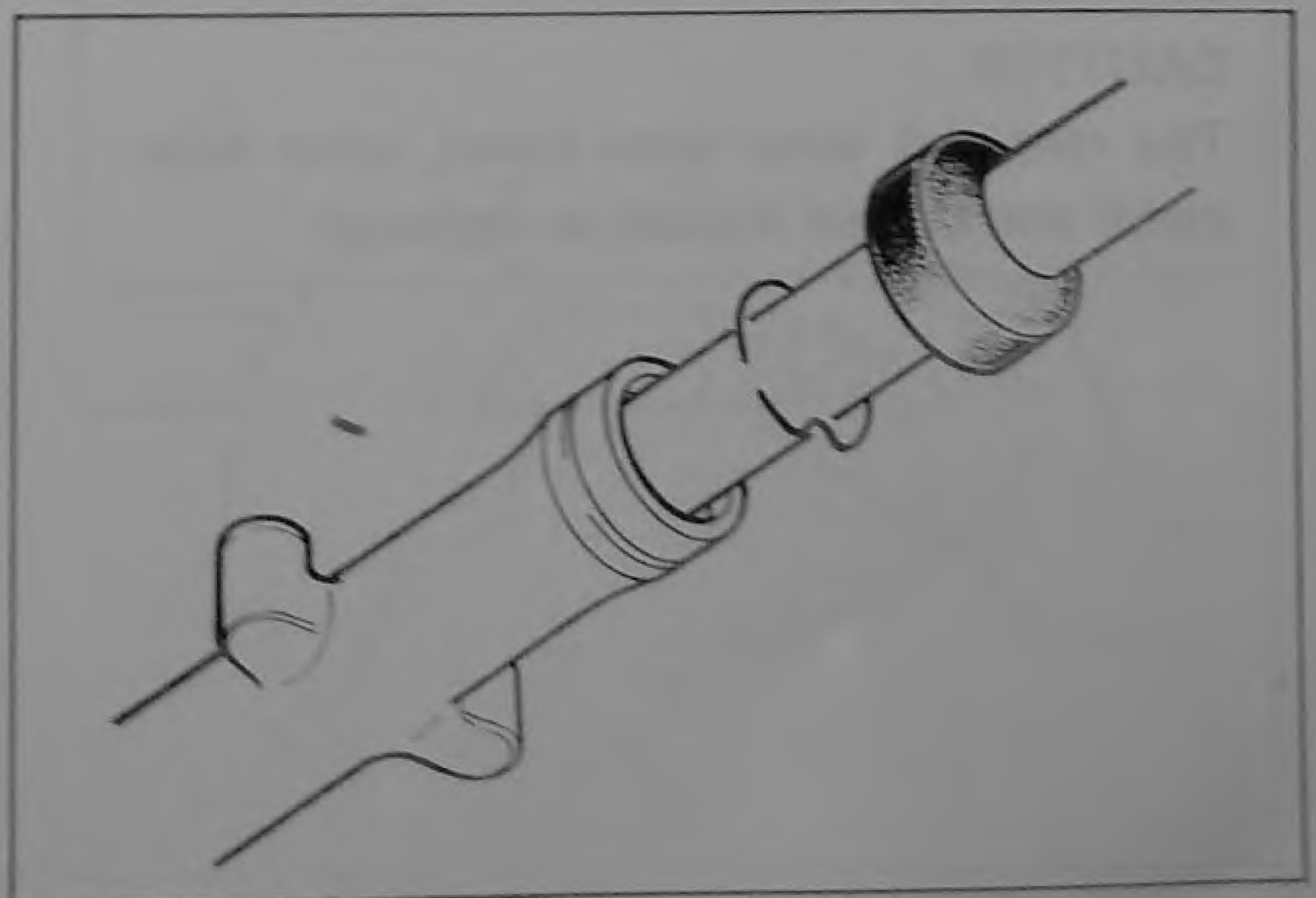
- Remove front fork cap bolt and draw out spring seat and fork spring.



- Invert the fork and stroke it several times to remove the oil inside.
Under the condition (inverted condition), hold the fork for a few minutes.

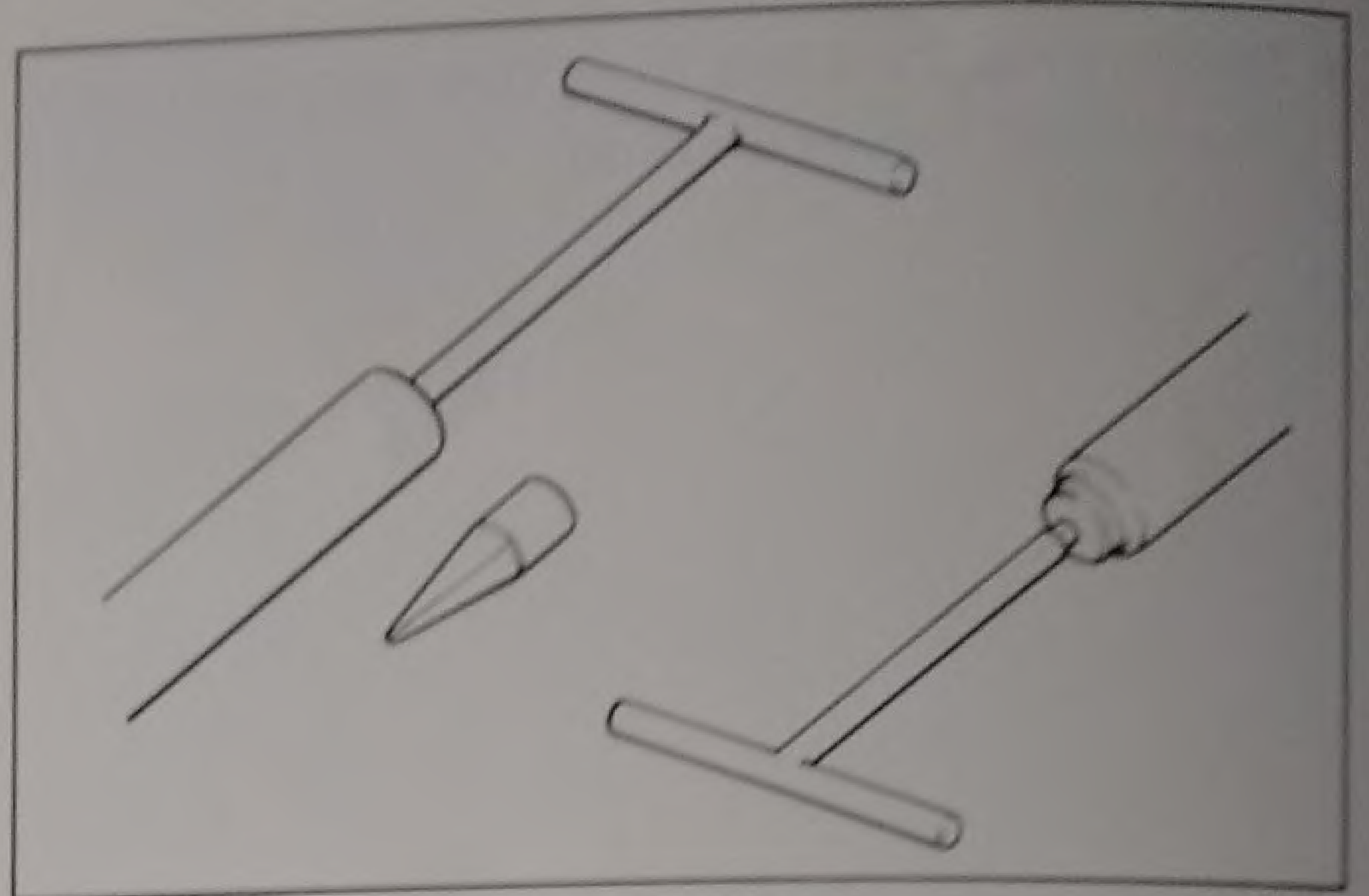


- Draw out dust seal and snap ring.

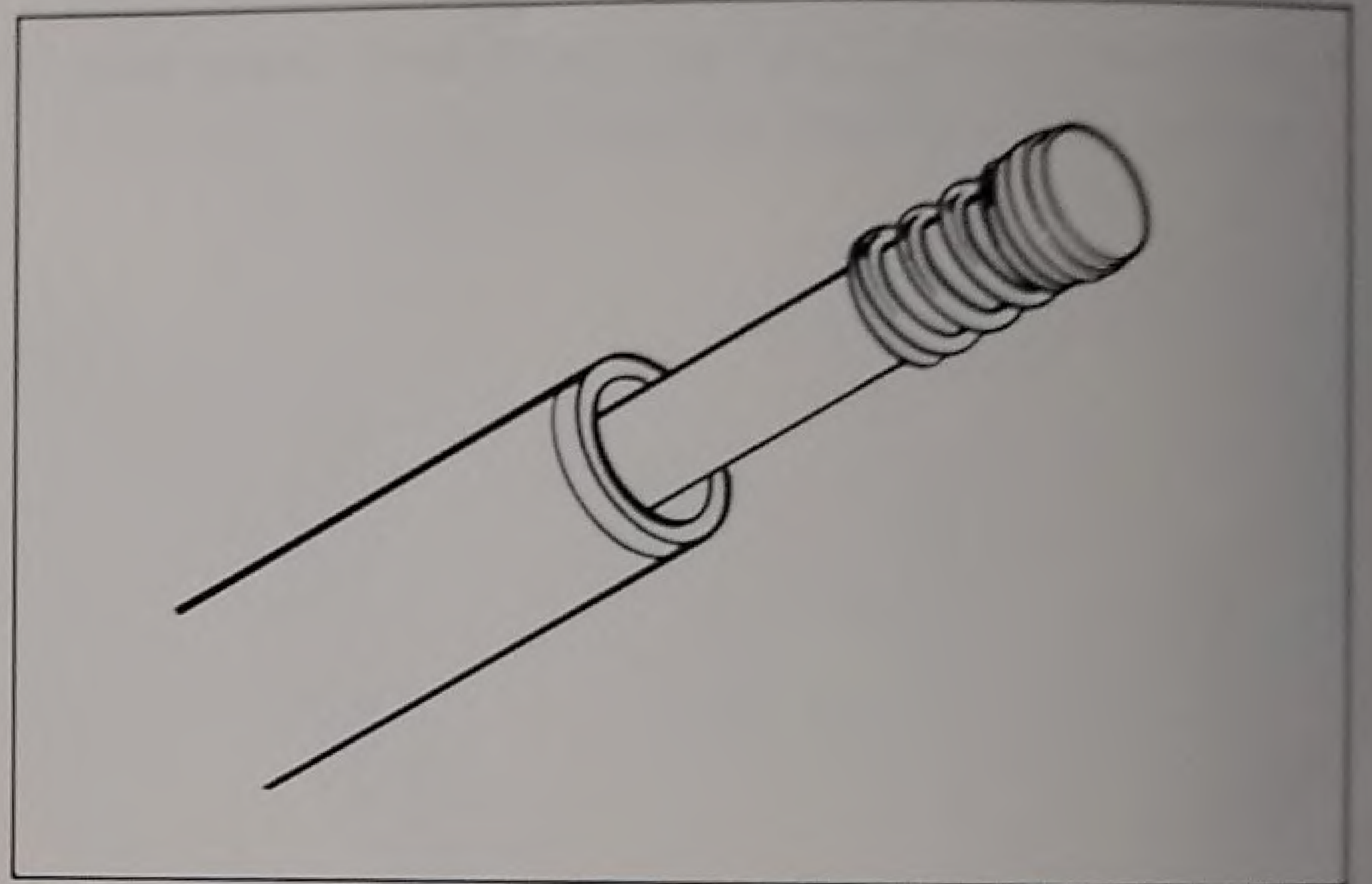


- Remove damper rod securing bolt by using special tools.

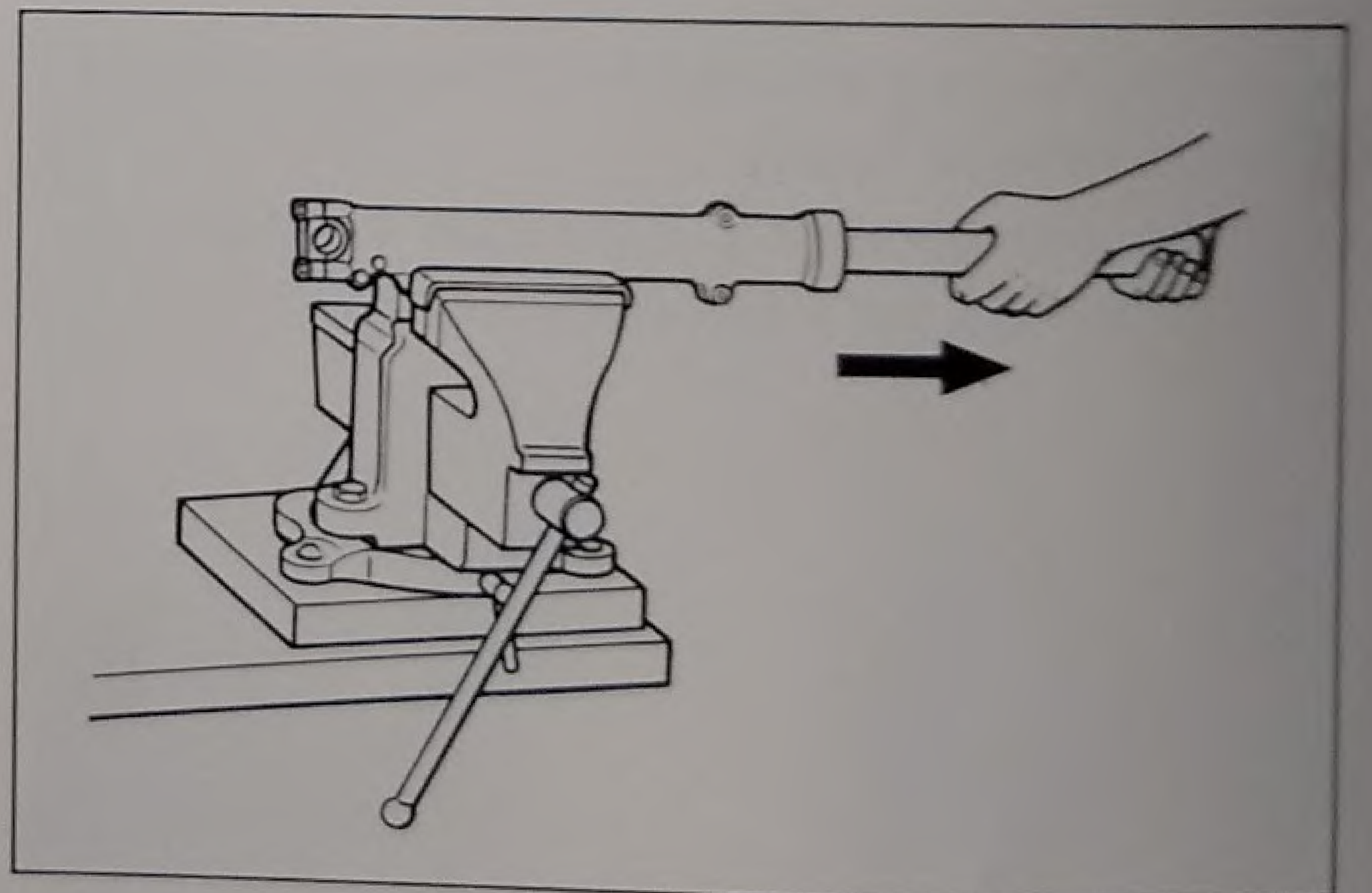
09940-34520	"T" handle
09940-34561	Attachment "D"
09914-25811	"T" type hexagon wrench



- Draw out damper rod and rebound spring.

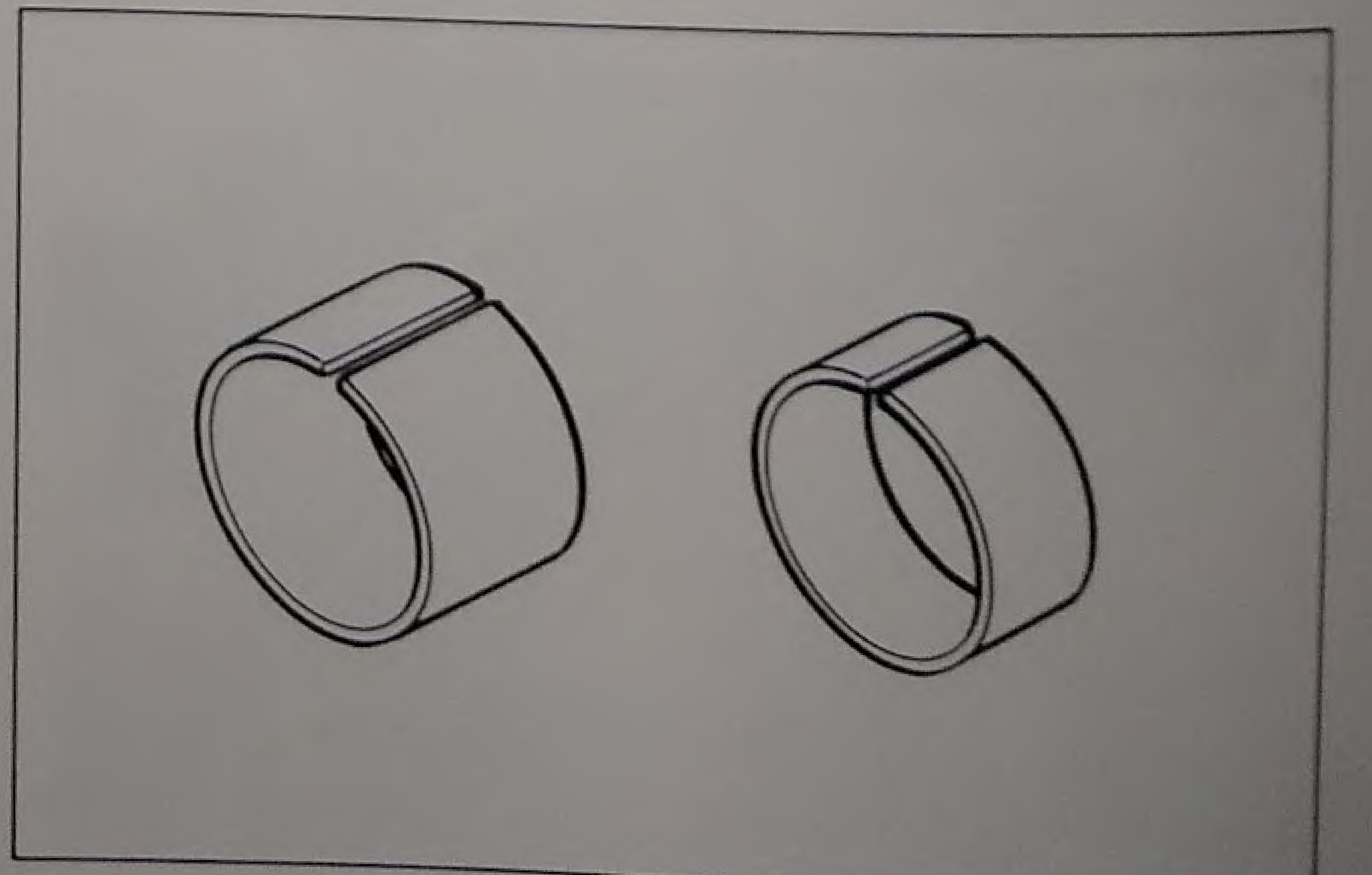


- While holding the caliper mounting portion of the outer tube by vise, separate the inner tube from the outer tube as shown.



CAUTION :

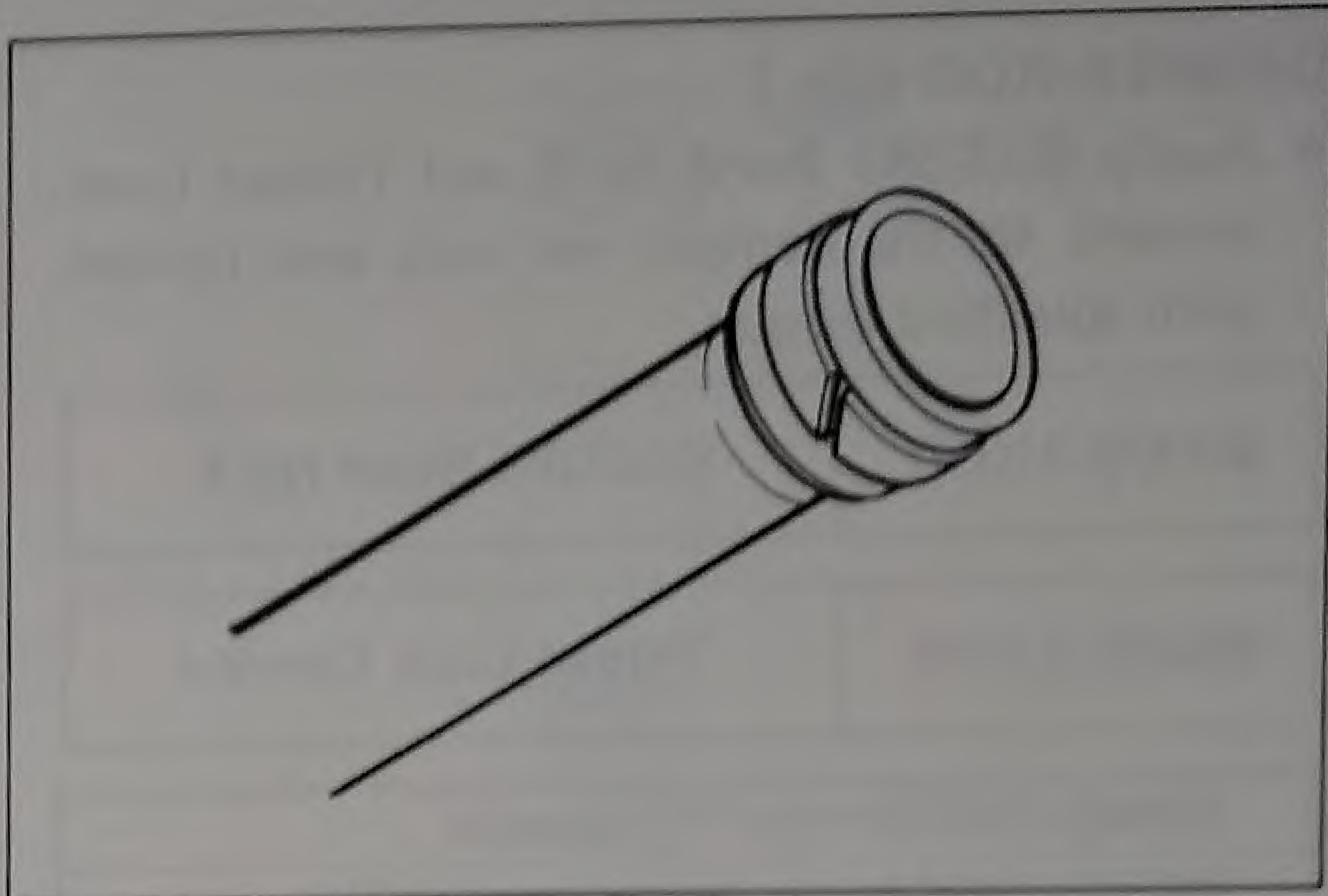
The removed outer tube metal, inner tube metal and oil seal should be replaced.



INSPECTION

DAMPER ROD RING

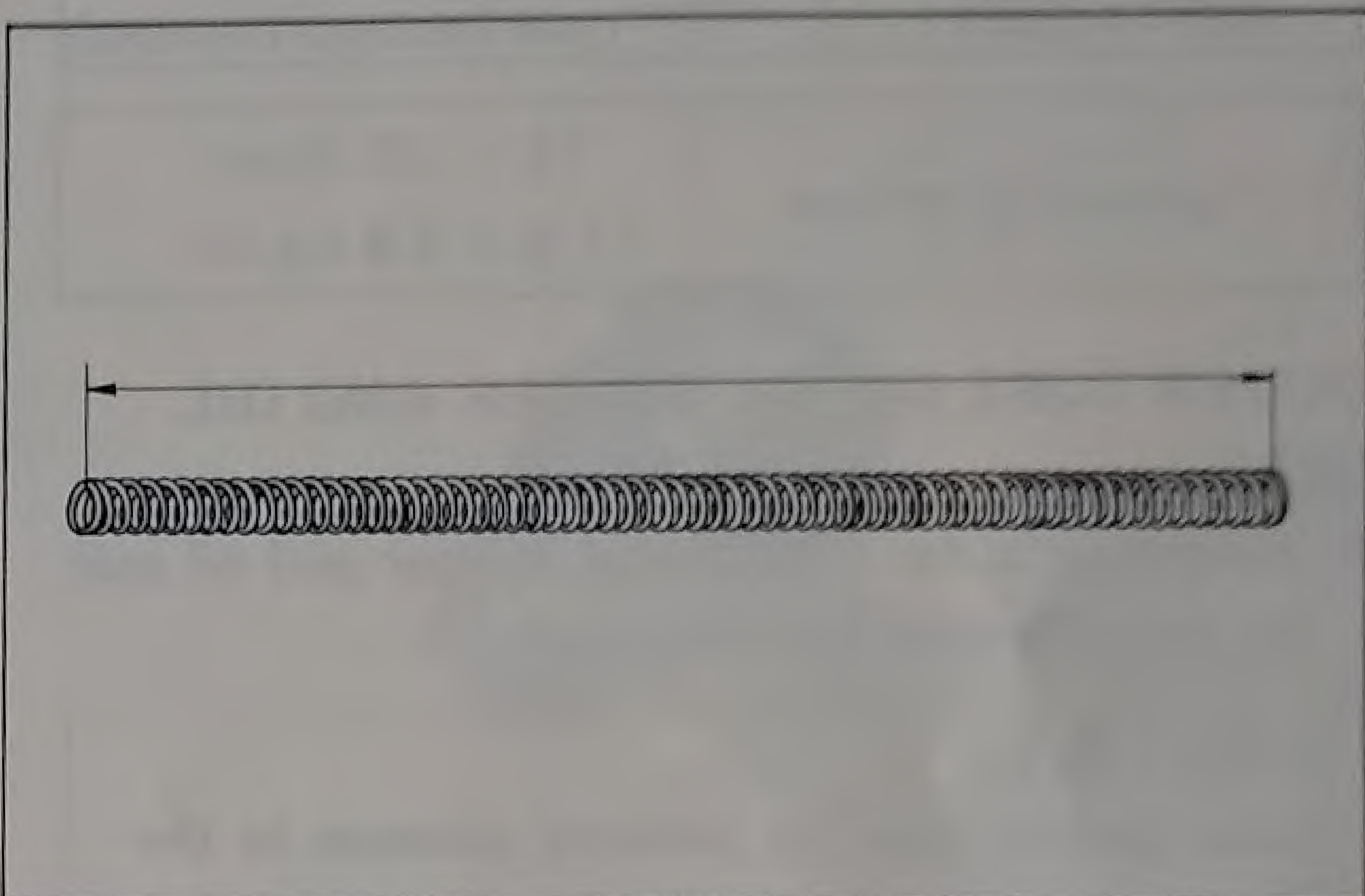
- Inspect damper rod ring for wear and damage.



FORK SPRING

- Measure the fork spring free length. If it is shorter than service limit, replace it.

Service Limit	488 mm
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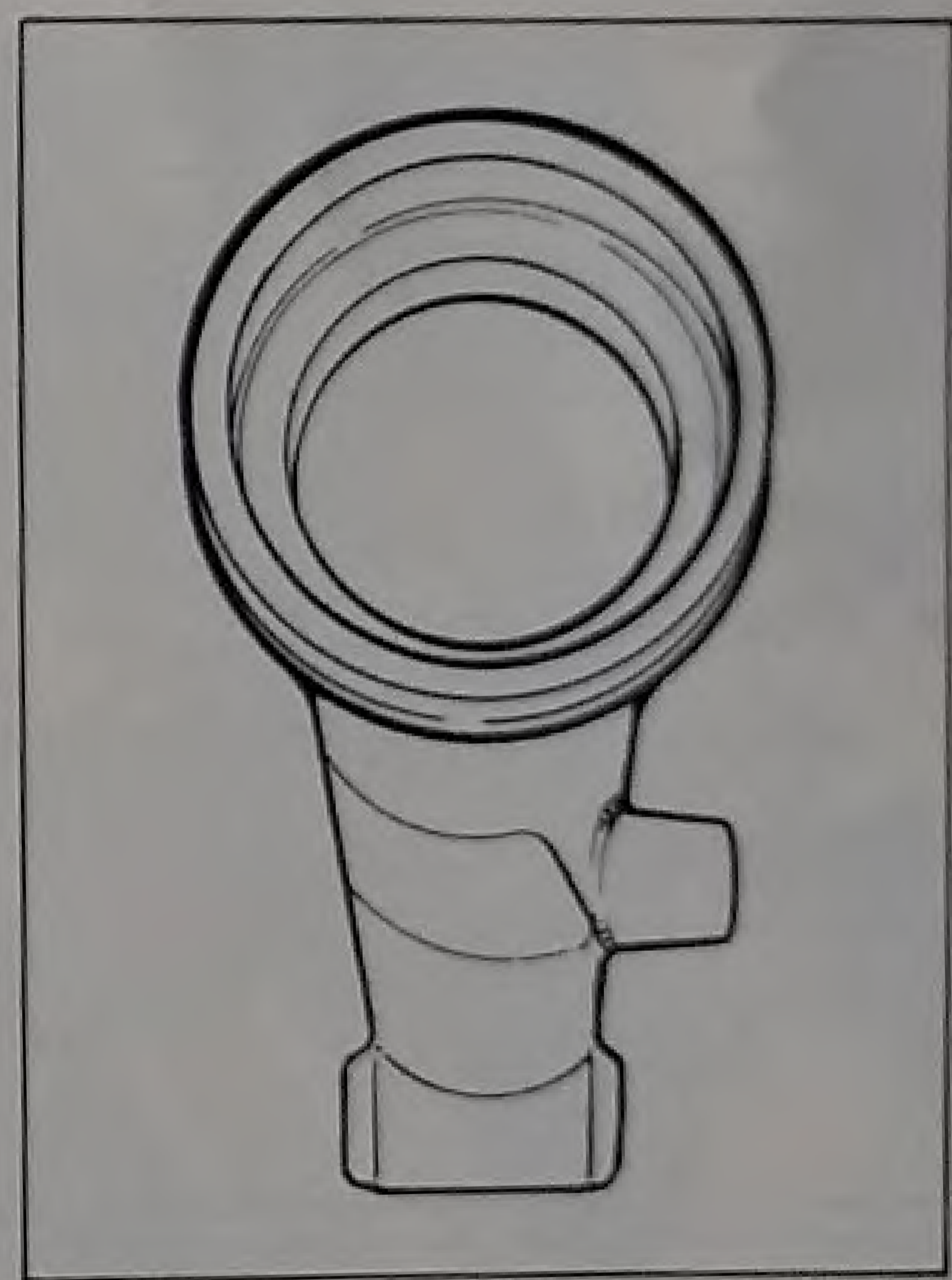
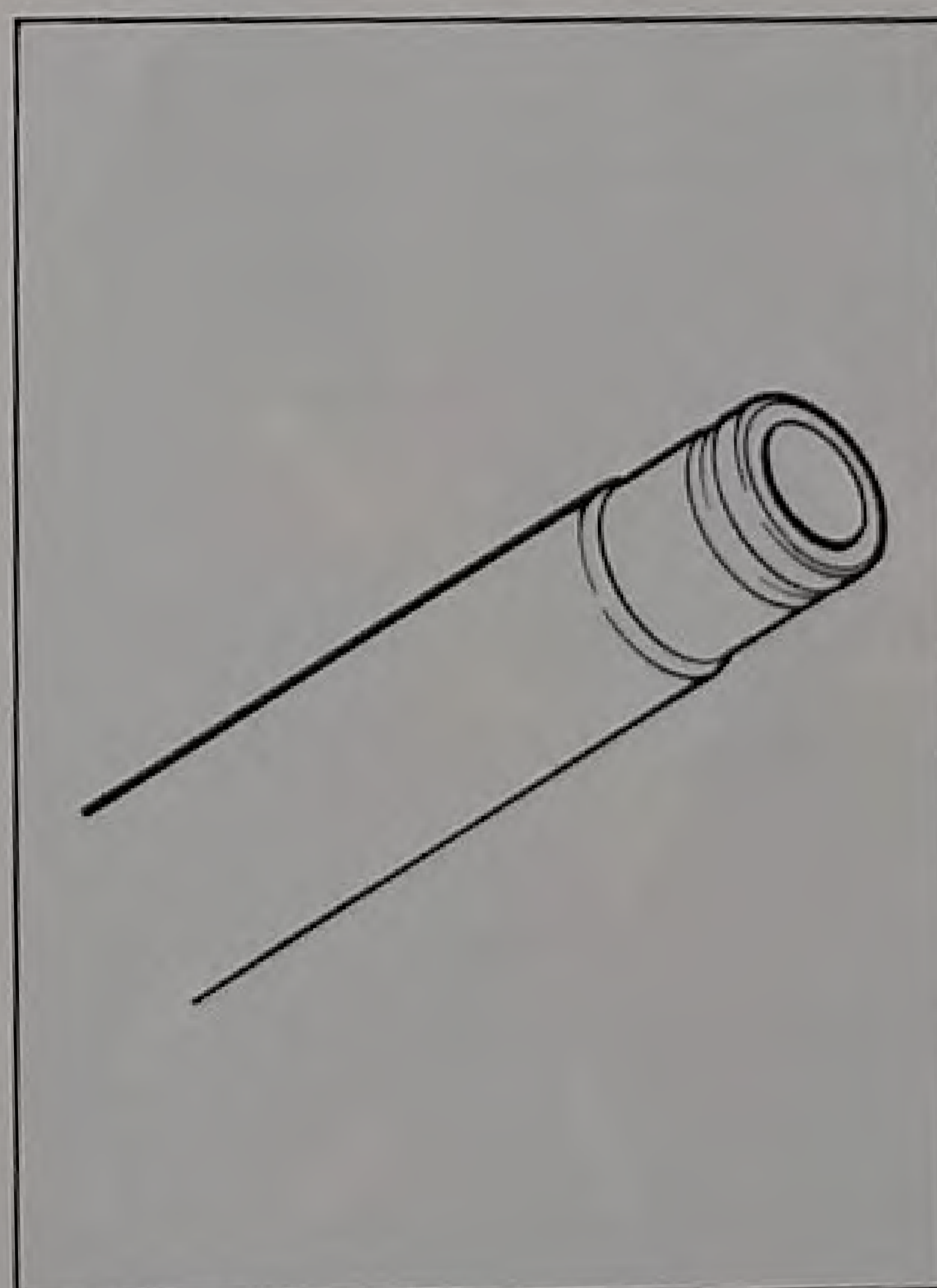


INNER TUBE

- Inspect inner tube outer surface for any scuffing.

OUTER TUBE

- Inspect outer tube inner surface for any scuffing.



REASSEMBLY

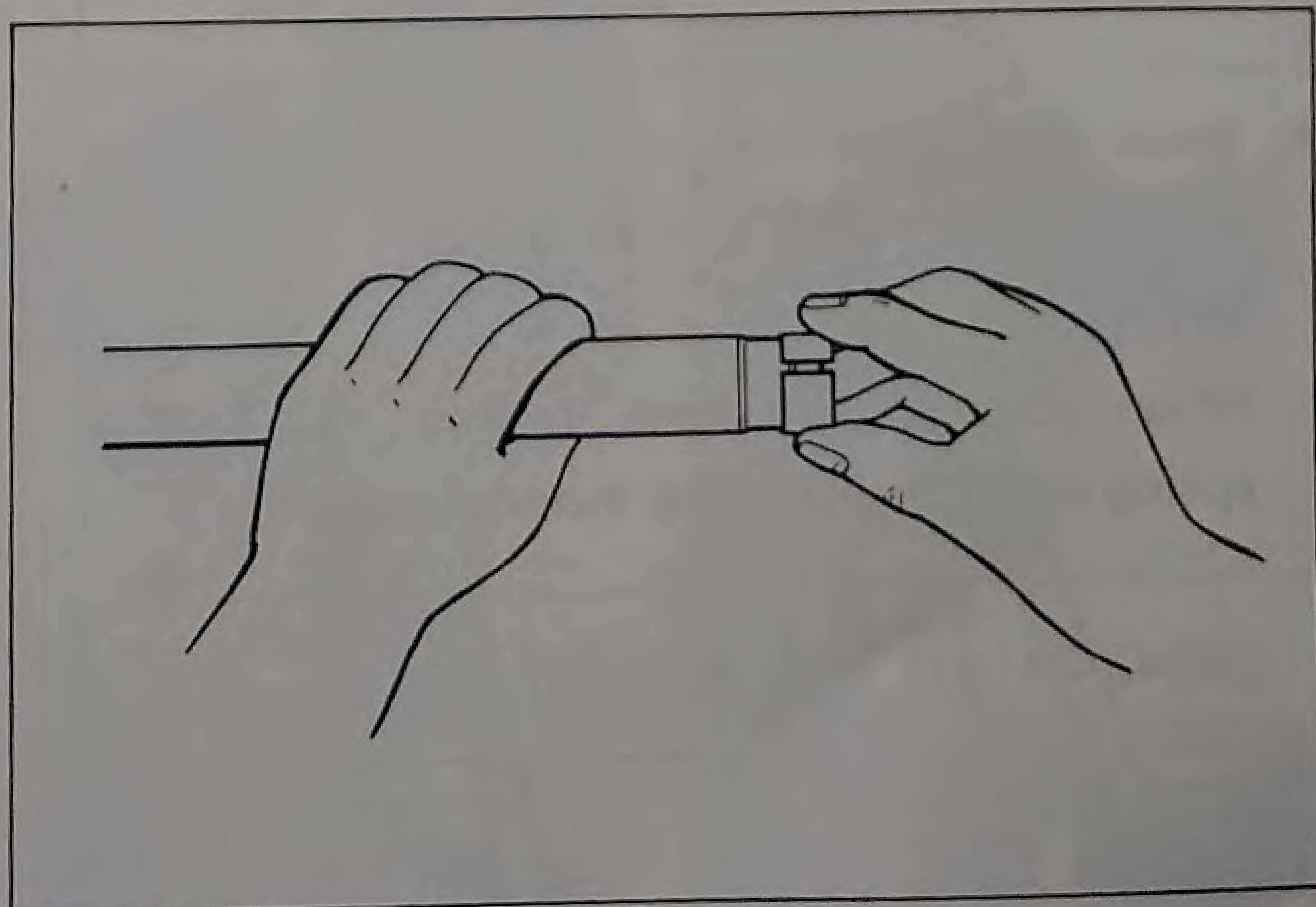
- Reassemble and remount the front fork in the reverse order of disassembly and removal, and also carry out the following steps.

INNER TUBE METAL

- Install the metal by hand as shown.

CAUTION:

Use special care to prevent damage to the Teflon coated surface of the anti-friction metal when mounting it.



DAMPER ROD BOLT

- Apply SUZUKI Bond No.4 and Thread Lock cement to the damper rod bolt and tighten with specified torque.

99000-31030	SUZUKI Bond No.4
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99000-32040	Thread Lock Cement
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09940-34520	"T" handle
09940-34561	Attachment "D"
09914-25811	"T" type hexagon wrench

Tightening torque	15 – 25 N·m (1.5 – 2.5 kg.m)
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OUTER TUBE METAL SPACER AND OIL SEAL

- Mounting outer tube metal, spacer and oil seal by using special tool as shown.

CAUTION:

Use special care to prevent damage to the Teflon coated surface of the anti-friction when mounting it.

09940-50111	Front fork oil seal installer
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FORK OIL

- For the fork oil, be sure to use a fork oil whose viscosity rating meets specifications below.

Fork oil	SAE 10W/30 : ATF = 1 : 1
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Capacity	255 ml (each leg)
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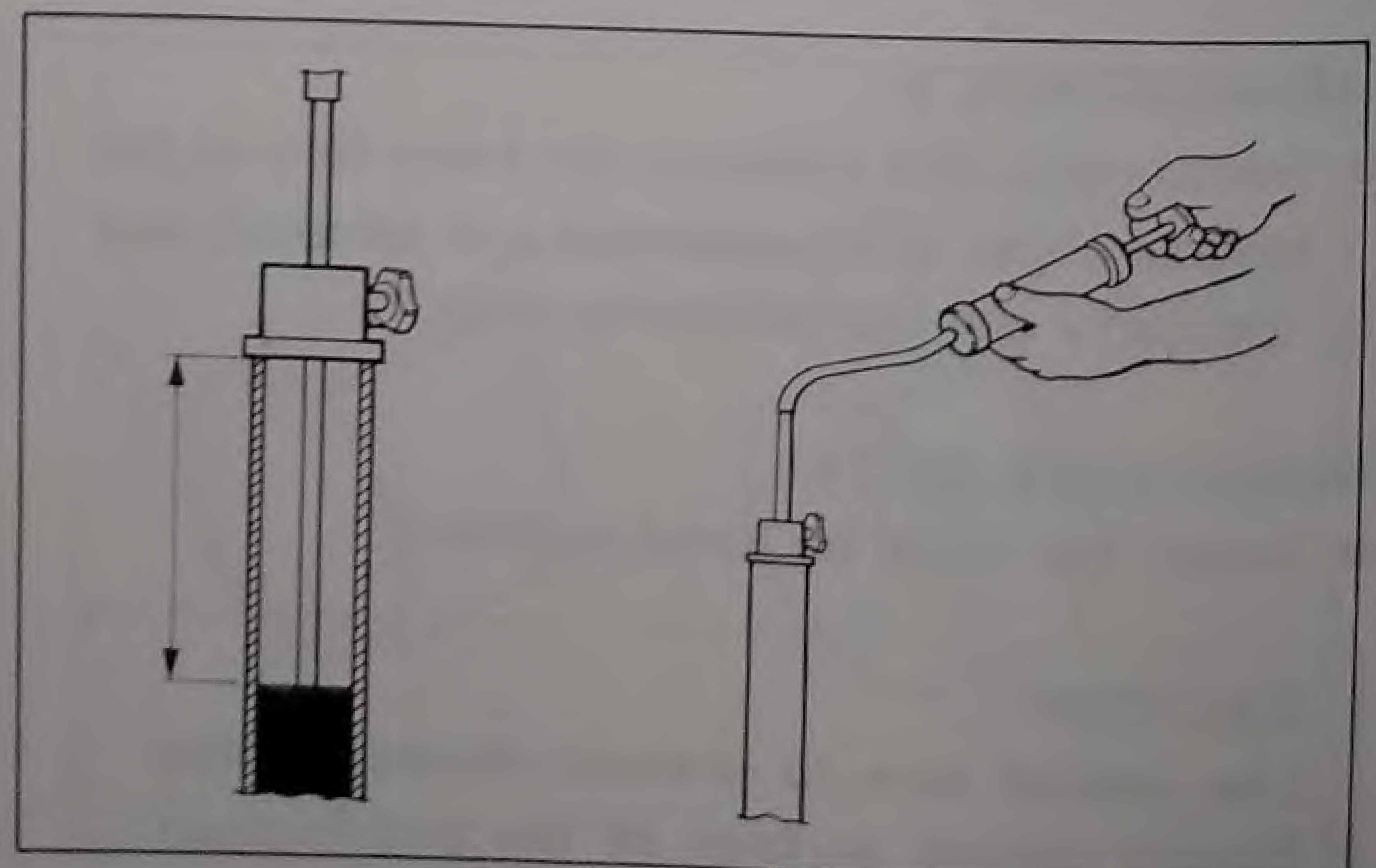
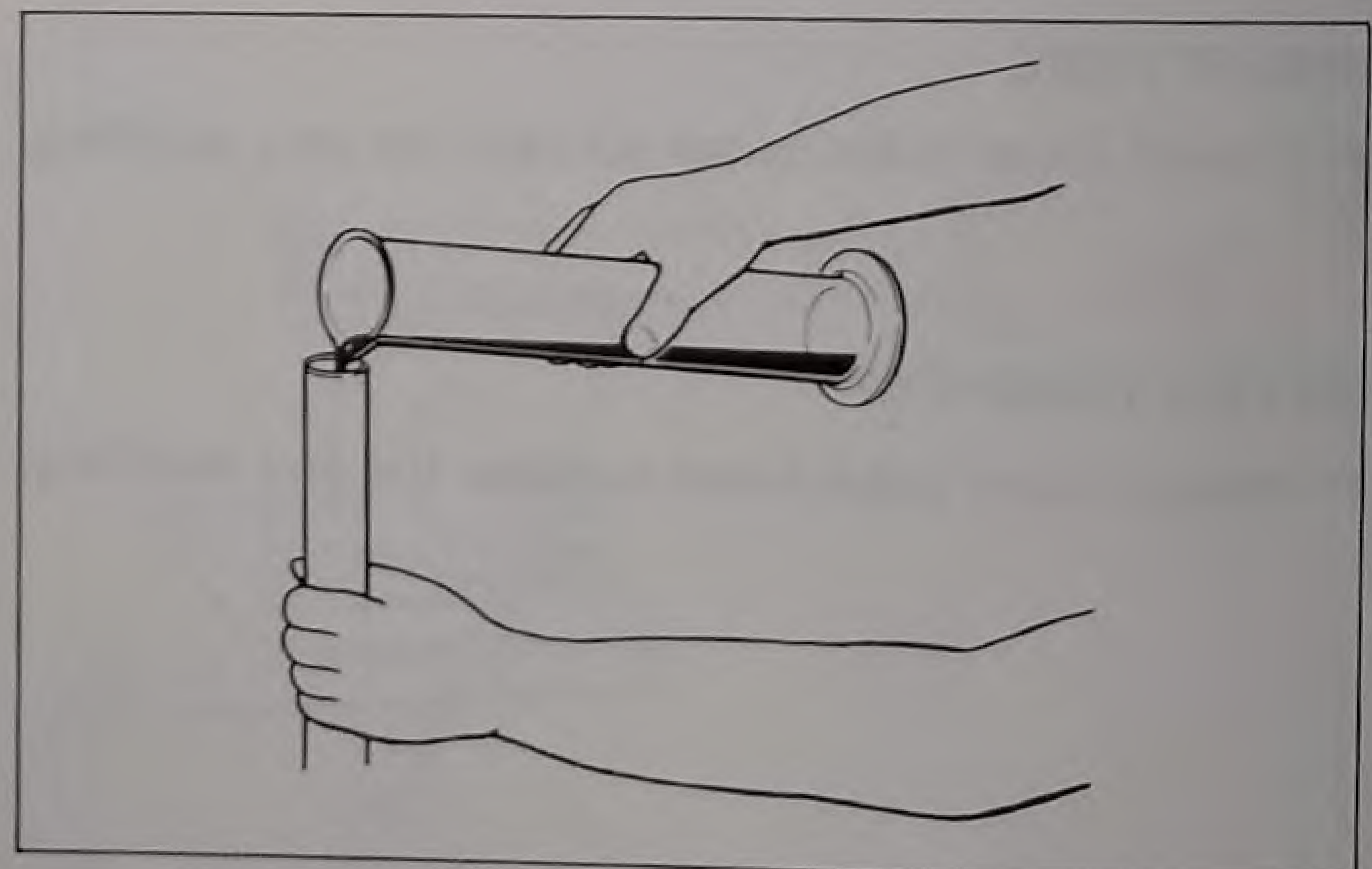
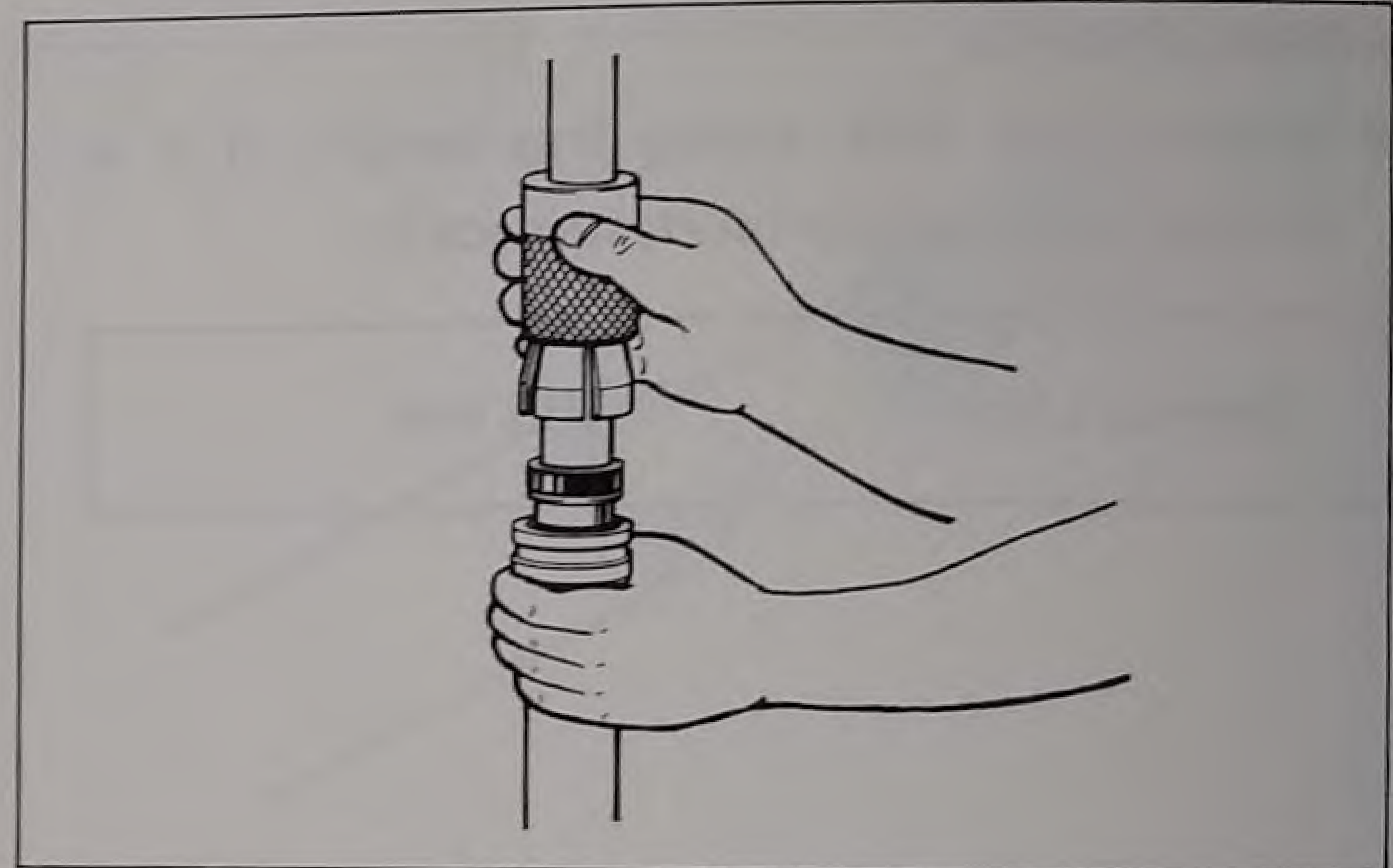
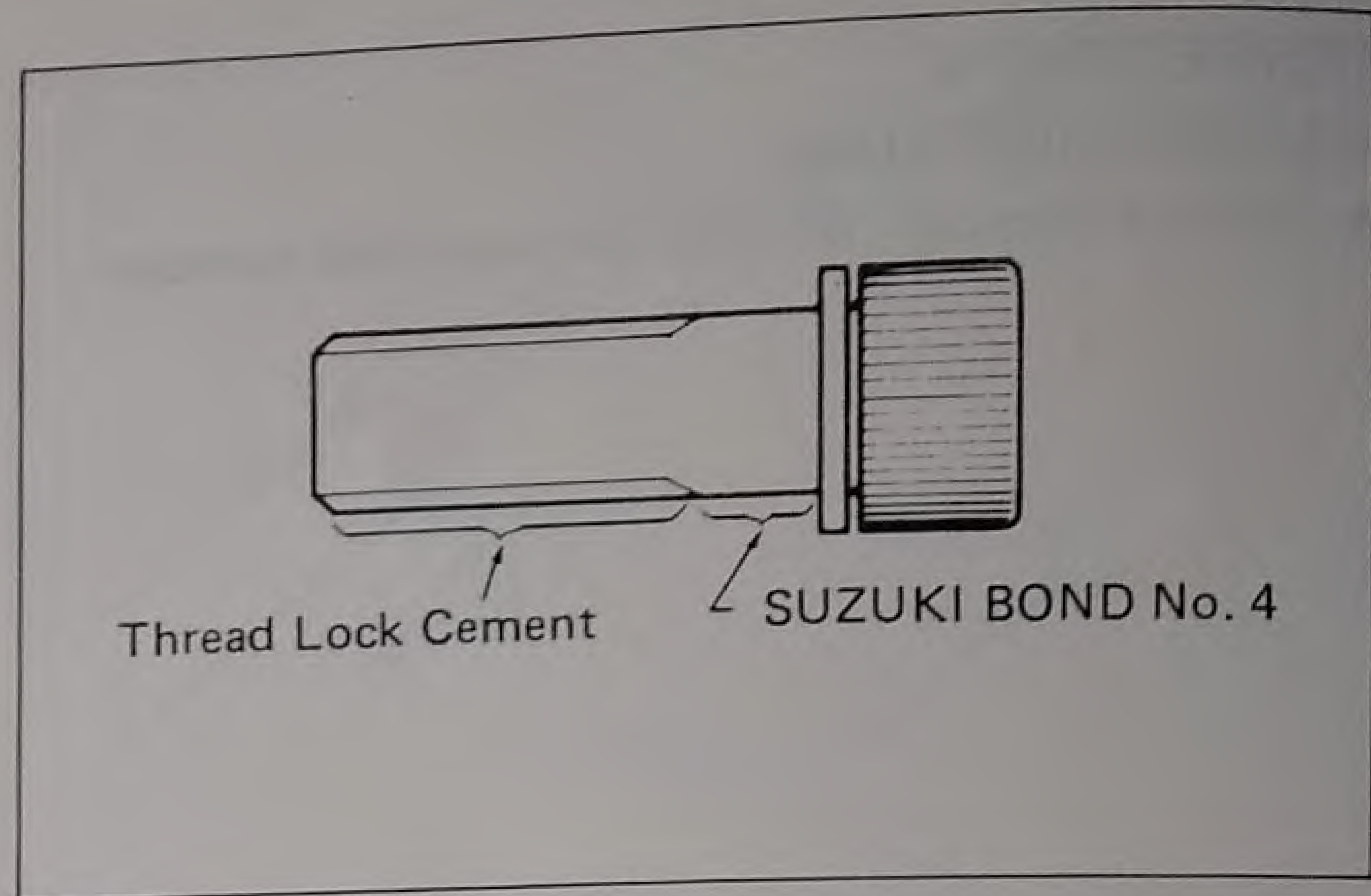
- Hold the front fork vertical and adjust the fork oil level with a special tool.

NOTE:

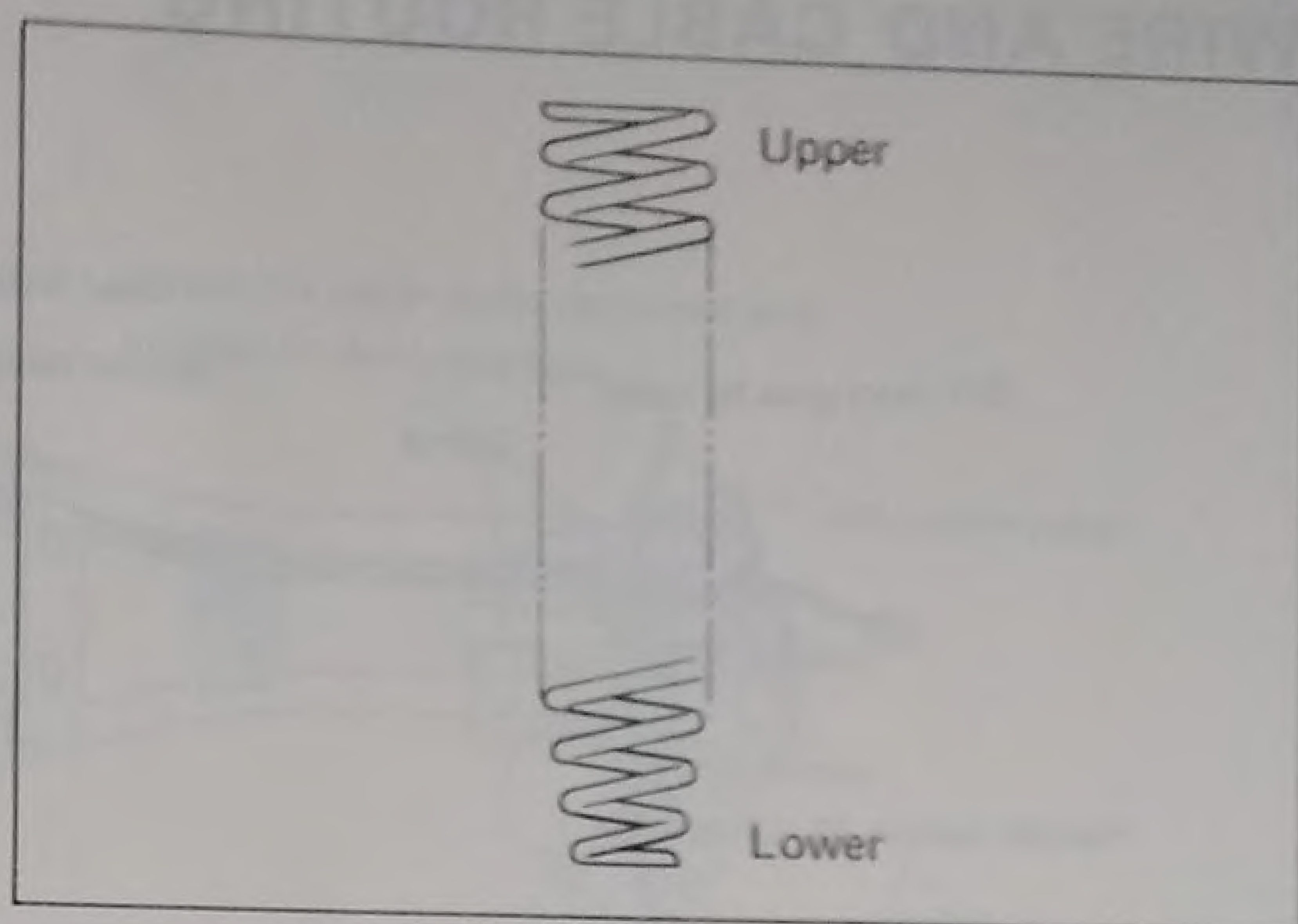
When adjusting oil level, remove the fork spring and compress the inner tube fully.

09943-74111	Fork oil level gauge
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Oil level	190 mm
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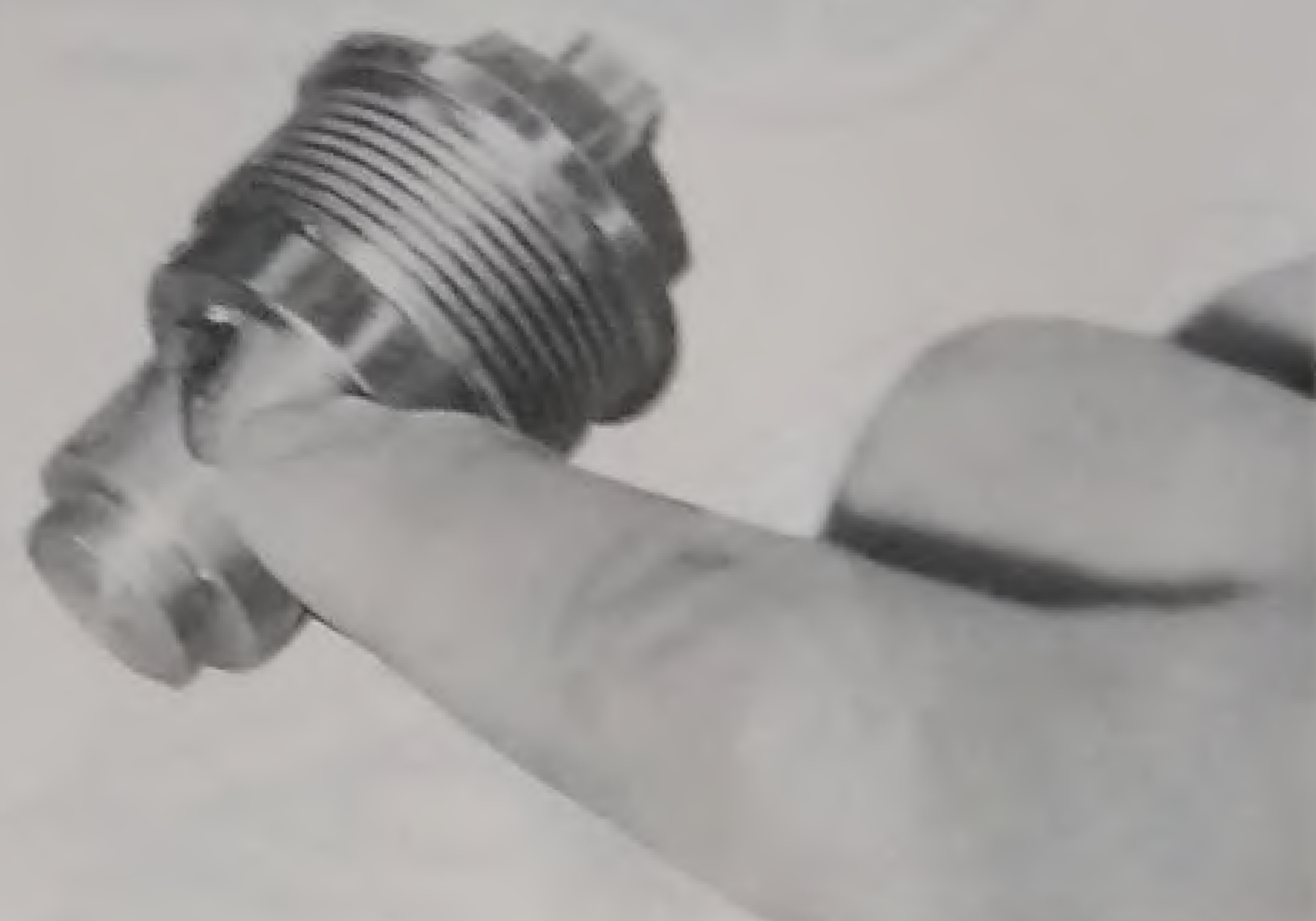
- Install the fork spring as shown in Fig.



- Apply grease to the spring adjuster and tighten the cap bolt.

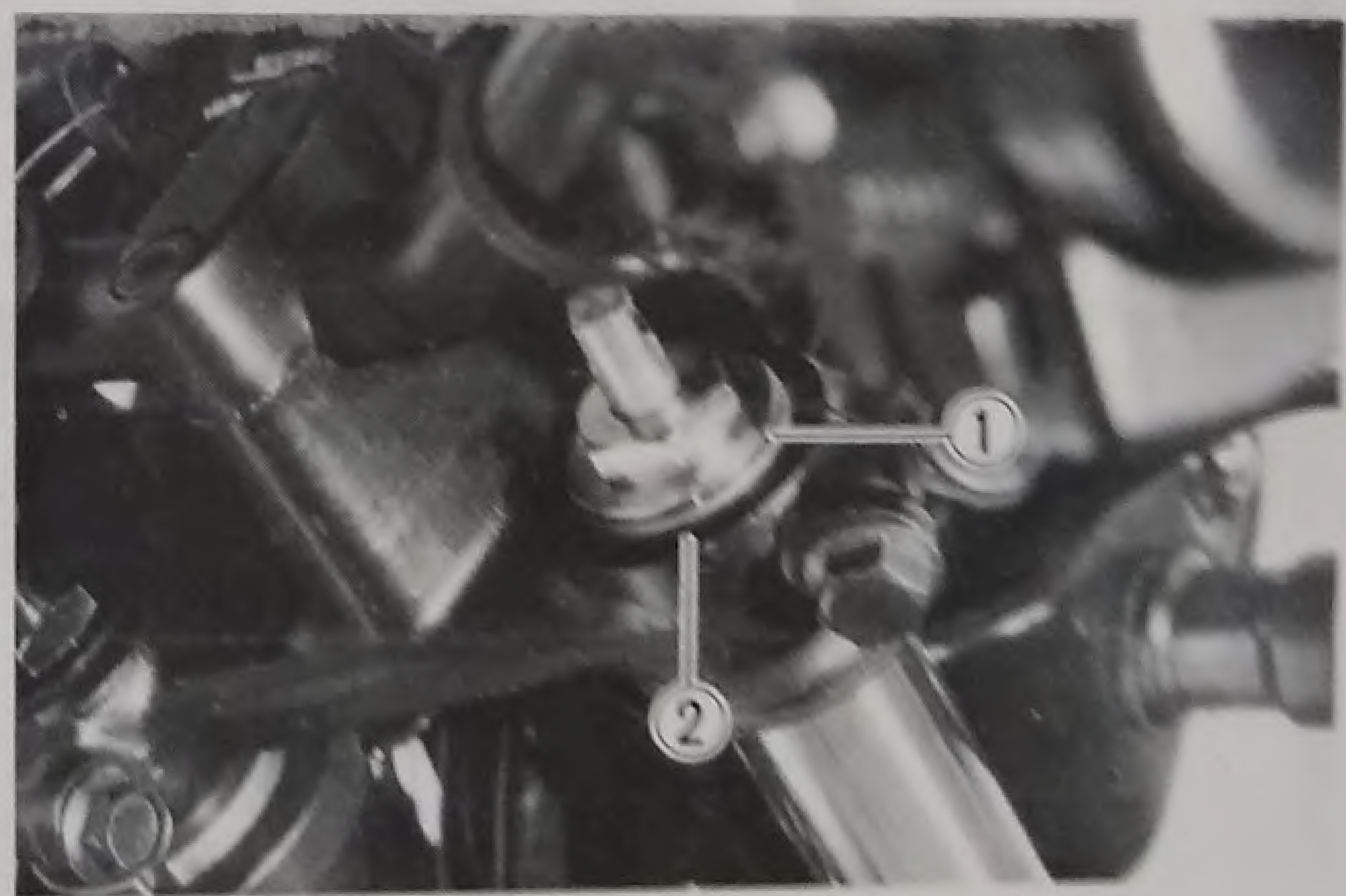
99000-25010	SUZUKI Super Grease "A"
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Tightening torque	15 – 30 N·m (1.5 – 3.0 kg·m)
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INNER TUBE

- Install the front fork assembly, align the top ① of inner tube and the upper surface ② of the steering stem upper bracket.



- Tighten the upper and lower clamp bolts.

Tightening torque	Upper	20 – 30 N·m (2.0 – 3.0 kg·m)
	Lower	15 – 25 N·m (1.5 – 2.5 kg·m)

