

SCORPION 1033

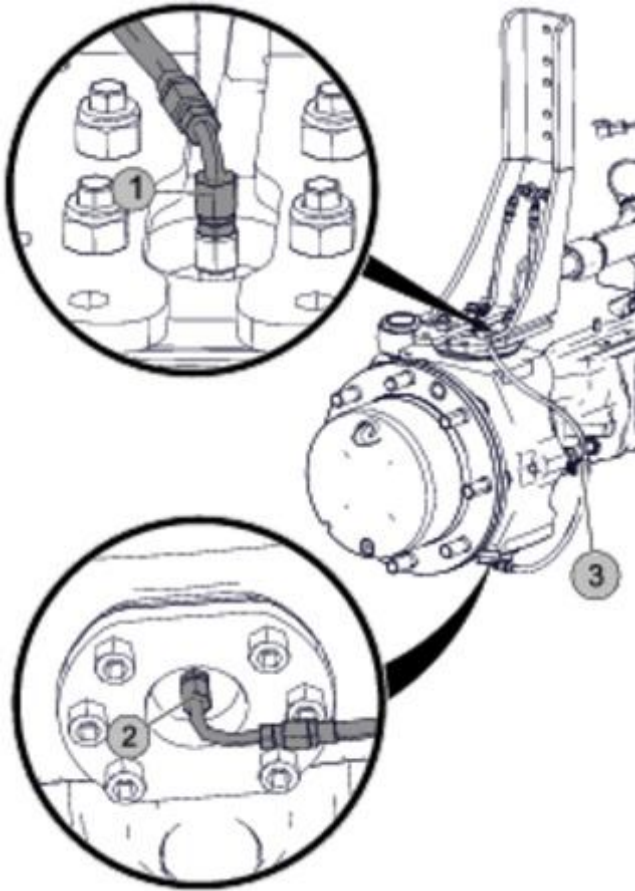
Repair manual

Validity of manual

Machine	Type	Vehicle identification number	
		From	to
SCORPION 1033	K34	K34 00 021	K34 99 999
SCORPION 1033	K34	K34 00 021	K34 99 999

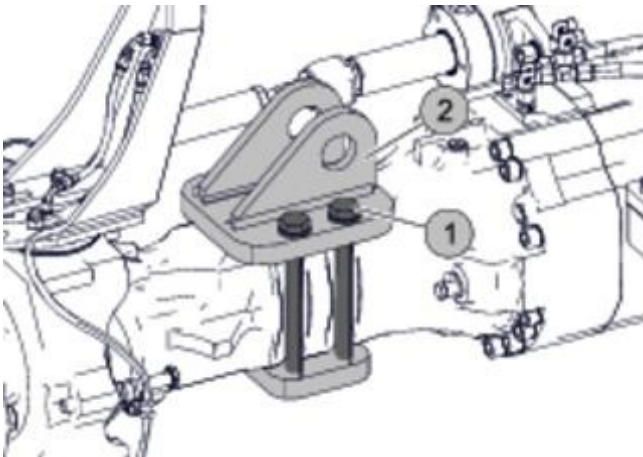
D

- ▶ Bolt down bracket (2) with nuts (1).
- ▶ Repeat this process on the other side of the axle.

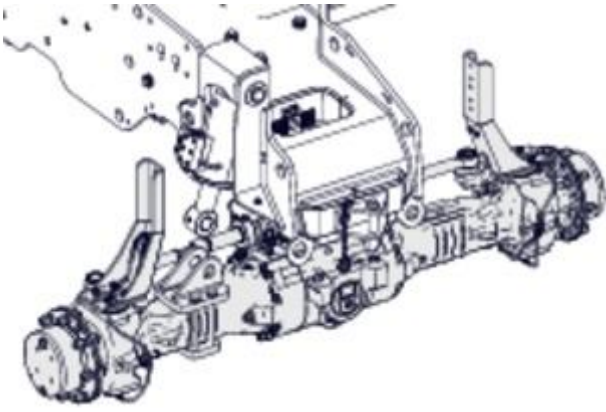


D

- ▶ Screw on lubrication lines at (1) and (2).
- ▶ Fix the lubrication line with hose clamp (3).
- ▶ Repeat this procedures on the other side of the axle.



- ▶ Bolt down bracket (2) with bolts (1).



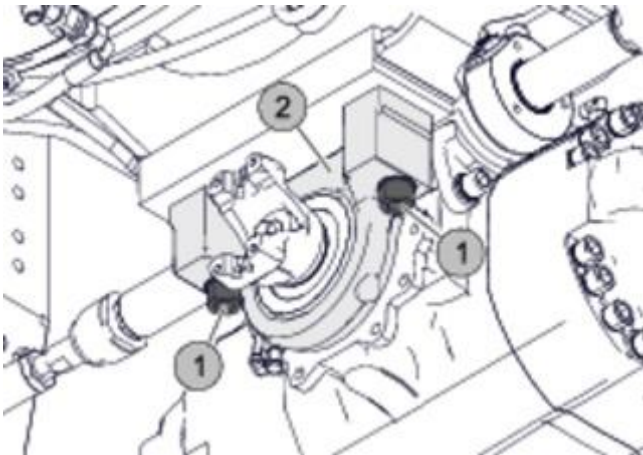
⚠ WARNING

Lifting heavy components.

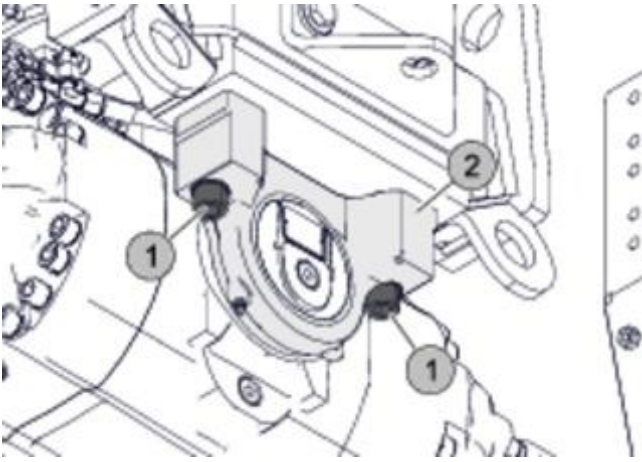
Risk of death or serious injury.

- ▶ Use a lifting tool with a sufficient bearing load.
- ▶ Use a lifting tool that operates reliably.
- ▶ Use the lifting tool on solid and even ground.
- ▶ Attach the lifting tool to the component at the intended or a suitable position.
- ▶ Only use faultless and sufficiently dimensioned lifting accessories.
- ▶ Protect lifting accessories against sharp corners and edges, for example using protectors.

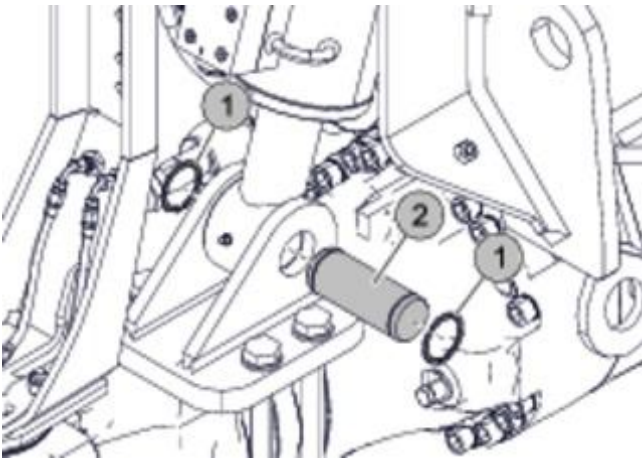
-
- ▶ Move the drive axle to the installation position with a suitable lift device and hold it there.
 - ▶ Make sure that no lines or wiring looms will impede removal.



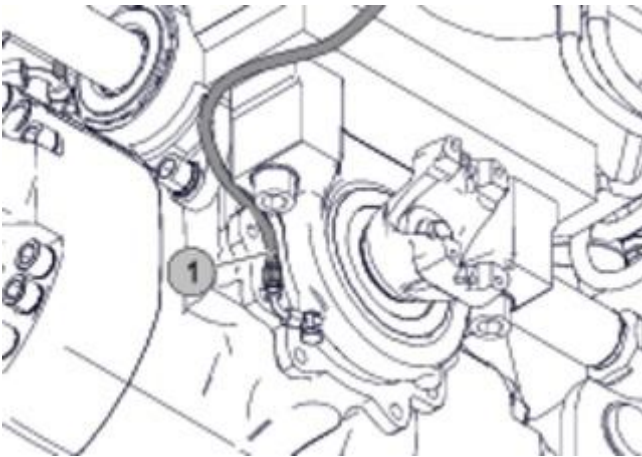
- ▶ Bolt down rear plunger block housing (2) with bolts (1).



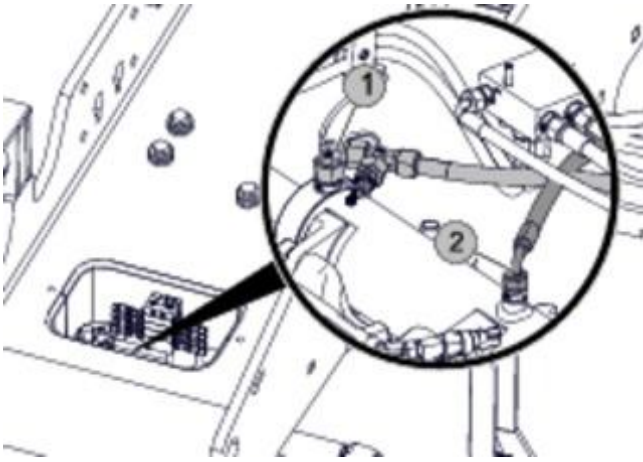
- ▶ Bolt down front plummer block housing (2) with bolts (1).



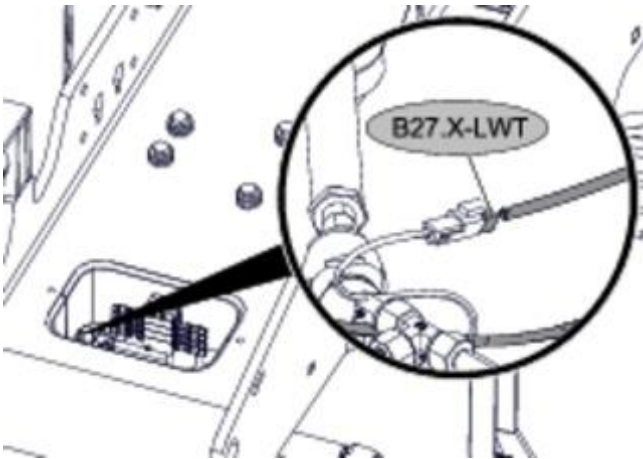
- ▶ Install pin (2) of hydraulic cylinder (645-LWT).
- ▶ Insert circlips (1).



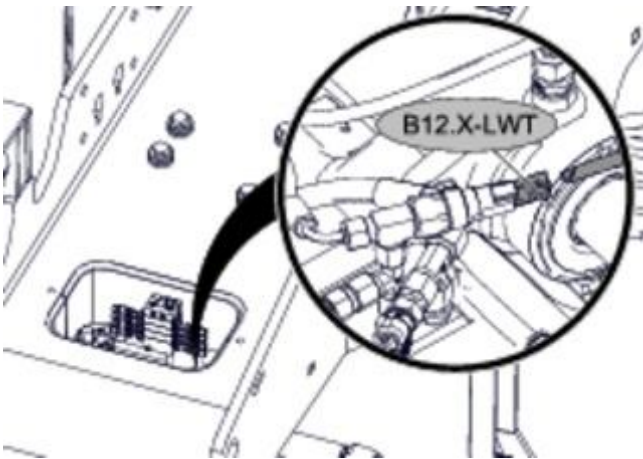
- ▶ Fit lubrication line (1).



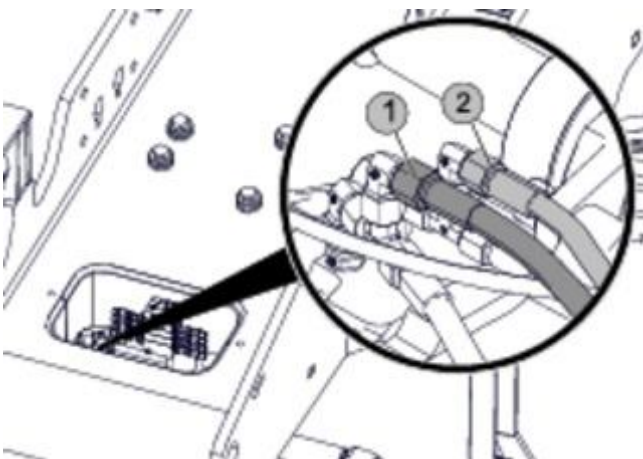
- ▶ Screw on steering hydraulic lines (1) and (2).



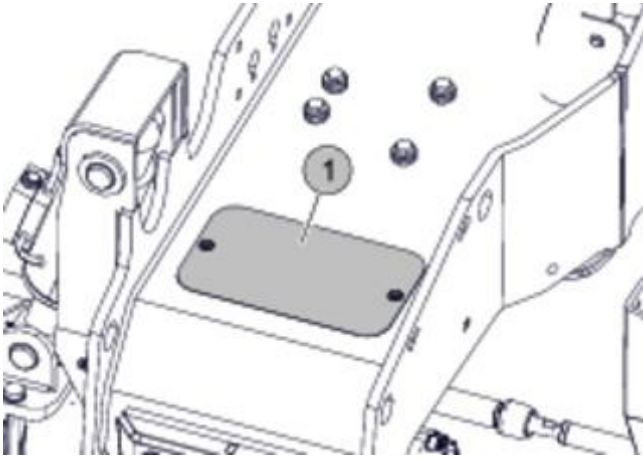
- ▶ Connect cable plug (B27.X-LWT).



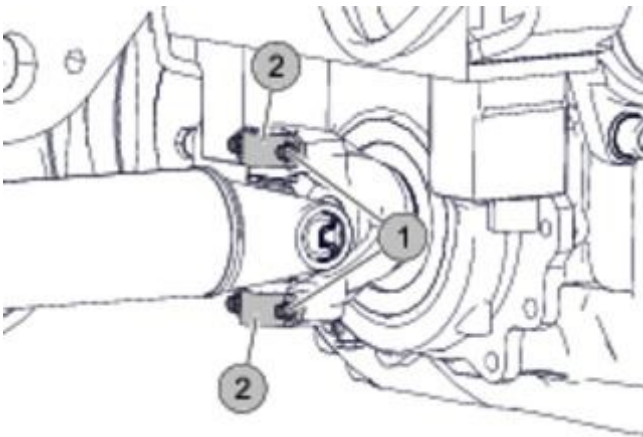
- ▶ Connect cable plug (B12.X-LWT).



- ▶ Bolt down brake hydraulic lines (1) and (2).



- ▶ Screw on the sheet metal (1).



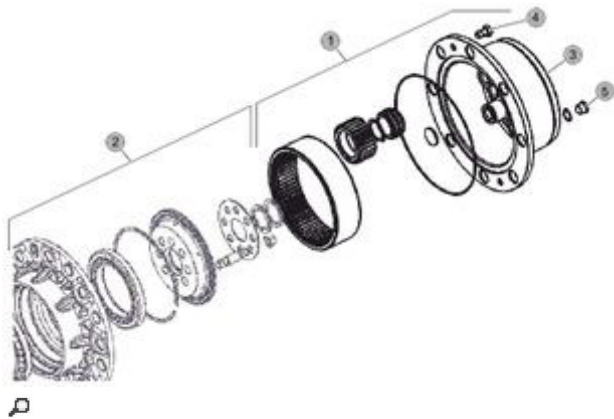
- ▶ Bolt down split shells (2) with bolts (1).
For tightening torque see the technical specifications of universal drive shafts:
Universal drive shafts

- Install the front wheels.
- Install the front mudguard.
- Connect the battery isolating switch.

Mudguard

Planetary gear

Technical specifications



	Value	CCN	Comment/designation	
Tightening not specified, see Introduction / tightening torque chapter				
1			Planetary gear	
2			Wheel hub	<u>Wheel hub</u>
3			Gearbox cover	
4	6.7 to 8.6 daNm		Gearbox cover mounting bolts	
5	5.1 to 6.4 daNm		Screw plug	

Special tool

	Special tool (I)	Pcs.
1	Installation tool 00 0146 182 0	1

Removal

- Park the machine in maintenance position I.
- Drain the oil from the drive axle.

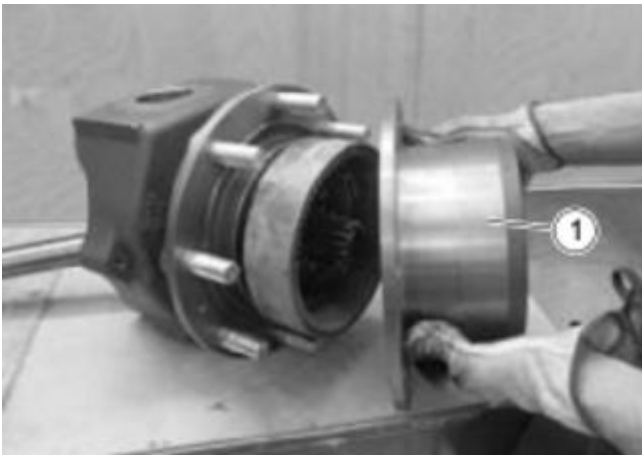
Moving the machine to the waiting position

Changing the axles' oil



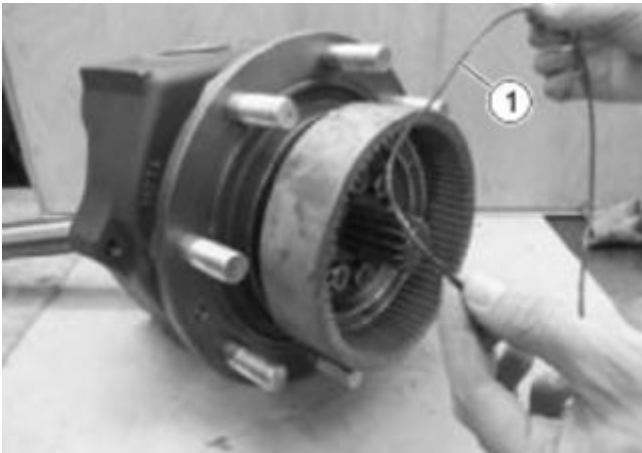
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- ▶ Unscrew both mounting bolts (1).



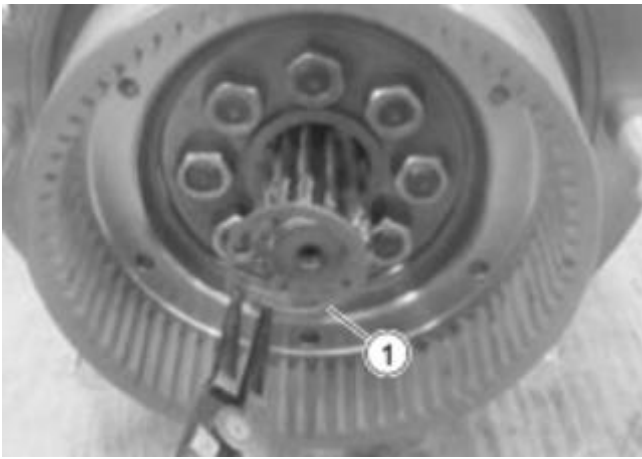
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- ▶ Remove cover (1).



p

- ▶ Remove O-ring (1).



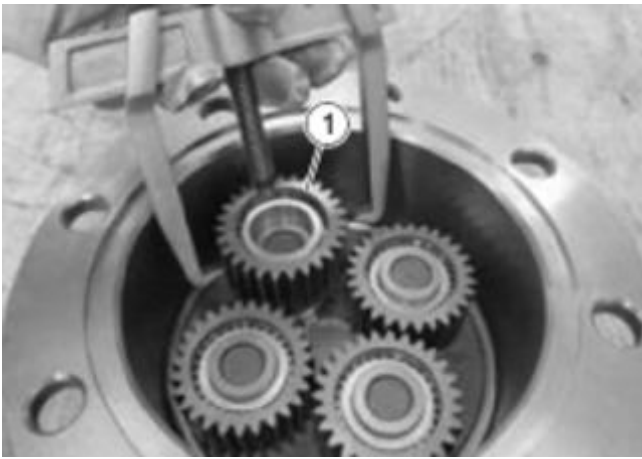
- ▶ Remove circlip (1).



- ▶ Remove washer (1).



- ▶ Remove the circlips (1).



⌘

- ▶ Remove gearwheels (1).



⌘

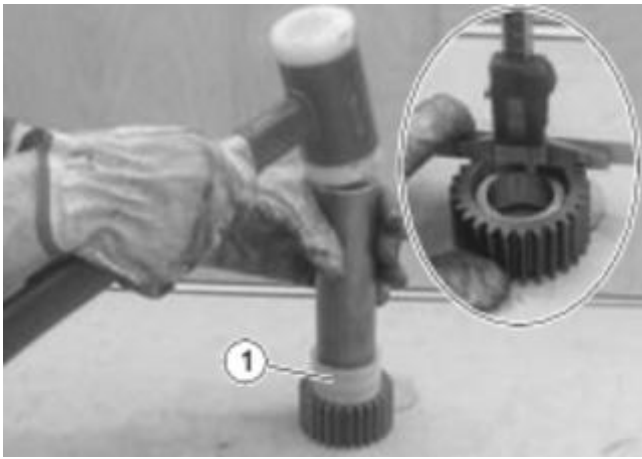
- ▶ Check if thrust washer (1) is damaged or worn.
 - ▶ If the thrust washer must be replaced, replace the planetary gear housing as well.

Installation



⌘

- ▶ Check if thrust washer (1) is damaged or worn.
 - ▶ If the thrust washer must be replaced, replace the planetary gear housing as well.



⌘

Use special tool (l):

Planetary_gear

- ▶ Install needle bearings (1) into the gearwheels.
Installation depth: 6 ± 0.5 mm



⌘

Use special tool (l):

Planetary_gear

- ▶ Insert gearwheels (1).
 - ▶ Ensure that radius (2) of the needle bearings points down.



⌘

- ▶ Insert circlips (1).



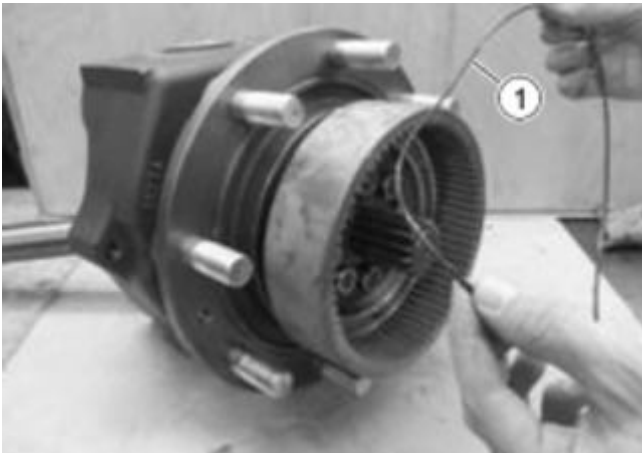
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- ▶ Insert washer (1).



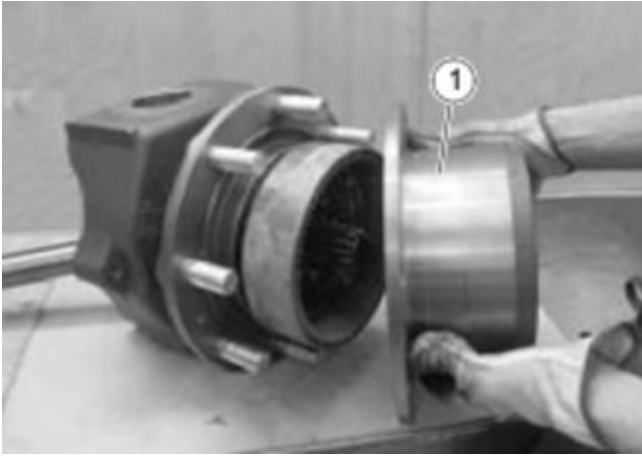
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- ▶ Insert circlip (1).



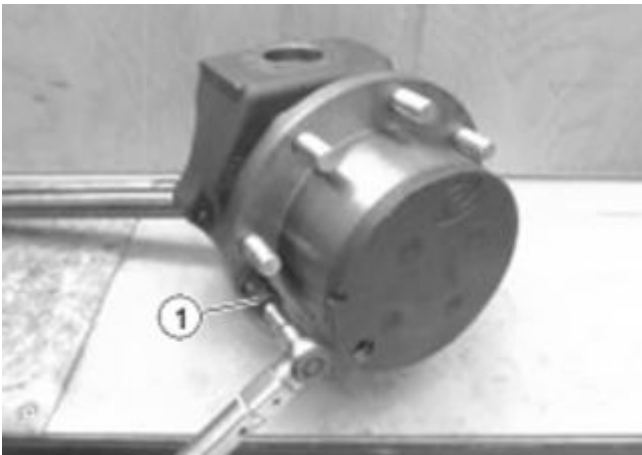
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- ▶ Insert new O-ring (1).



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- Put cover (1) in position.



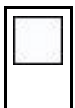
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- Screw on the two mounting bolts (1).
Tightening torque:
Planetary gear



D

- Screw on the screw plug (1).
Tightening torque:
Planetary gear



- Top up the drive axle oil.

Changing the axles'
oil

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