

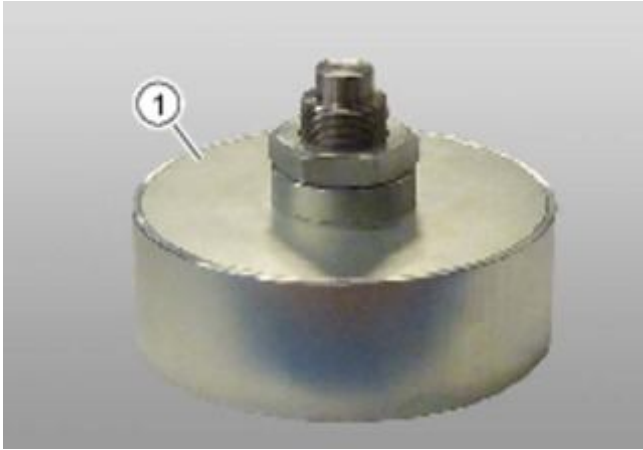
**JAGUAR 980-930**

**Repair Manual**

## Validity of manual

This manual applies to the following machine / front attachment:

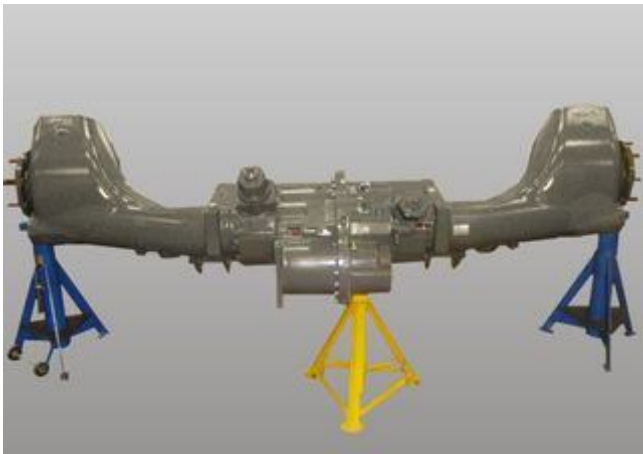
Designation	Model	Serial no.	
		from	to
JAGUAR 980-930	497	497 00011	–



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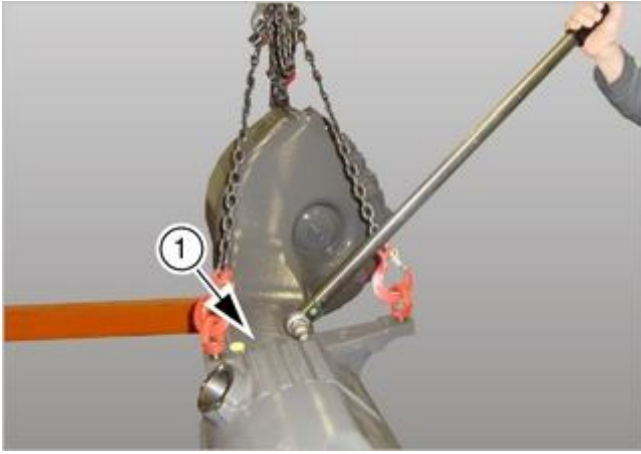
	Special tool (III)	Pcs.
1	Press-fit tool 00 0776 167 0	1

## Removing



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- ▶ Remove the drive axle.  
Drive axle
- ▶ Support the drive axle as shown in the figure.
- ▶ Remove the drive axle lines.  
Drive axle lines
- ▶ Remove the parking brake hydraulic cylinders (3060 / 3061).  
Spring-type accumulator cylinders
- ▶ Remove the service brake hydraulic cylinders (3175 / 3176).  
Spring-type accumulator cylinders
- ▶ Remove the ground drive hydraulic motor (2010).  
Ground drive hydraulic motor



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## **⚠ WARNING**

Lifting heavy components.

Risk of death or serious injury.

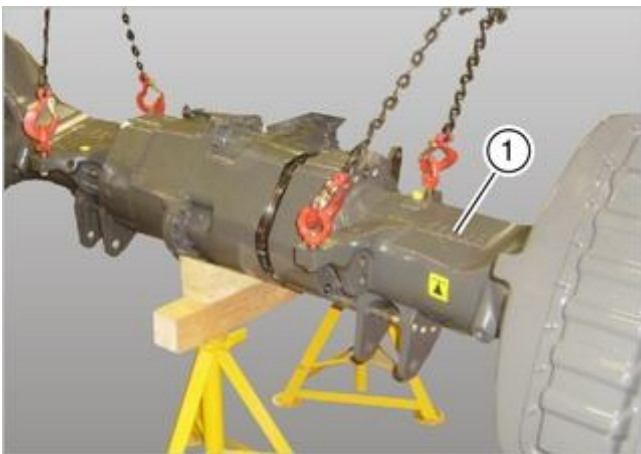
- ▶ Use a lifting tool with a sufficient bearing load.
- ▶ Use a lifting tool that operates reliably.
- ▶ Use the lifting tool on solid and even ground.
- ▶ Attach the lifting tool to the component at the intended or a suitable position.
- ▶ Only use faultless and sufficiently dimensioned lifting accessories.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

- ▶ Suspend the axle carrier unit in suitable lifting equipment.

Weight of axle carrier unit:

Axle carrier unit

- ▶ Mark the bolts (1) and unscrew them.



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- ▶ Pull the axle carrier unit (1) off the manual gearbox.
  - ▶ Ensure that the internal brake discs will **not** fall out.

- ▶ Remove the service brake.

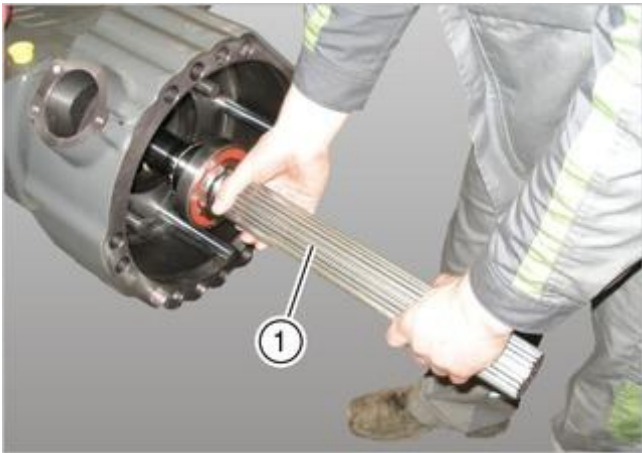
Service brake

## Disassembling



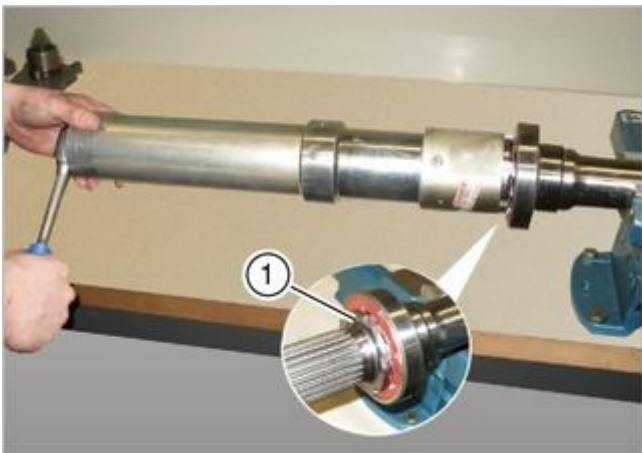
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- ▶ Remove circlip (1).



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- ▶ Pull out plug-on shaft (1).
  - ▶ Ensure that the profile bushing is removed as well.

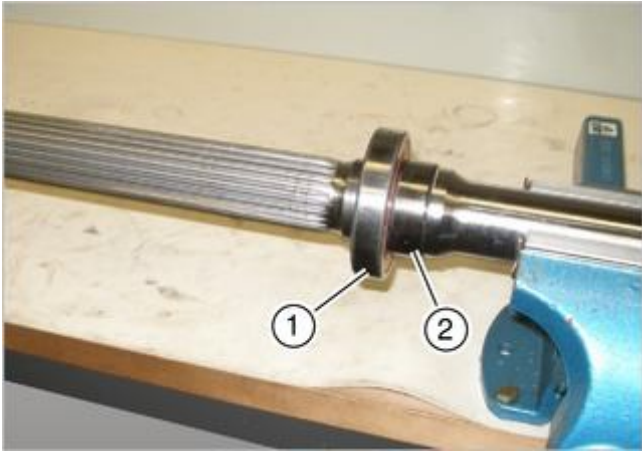


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Use special tool (l).

### Axle carrier unit

- ▶ Unlock and unscrew slotted nut (1).



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- ▶ Remove bearing (1) and ring (2).



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- ▶ Remove sealing rings (1) and (2).



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- ▶ To make installation easier, insert axle carrier unit (1) into the wheel with the wheel bolts.
- ▶ Remove cover (2).



▫

- ▶ Unscrew bolts (1).
- ▶ Remove nut (2).



▫

Use an auxiliary tool (I).

Axle carrier unit

- ▶ Slightly lift the axle carrier unit and drive out wheel shaft (1).



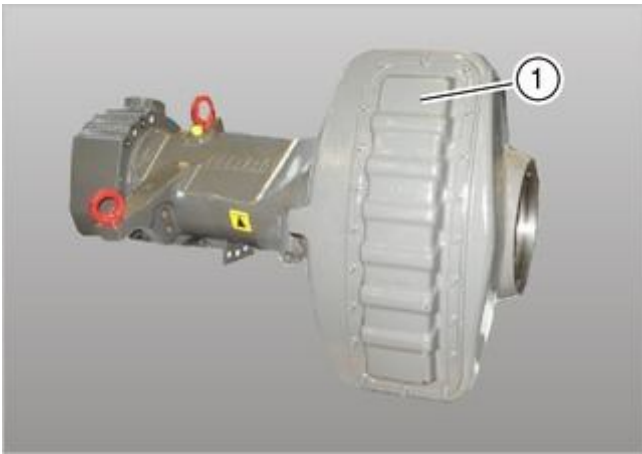
▫

- ▶ Remove bearing (1).



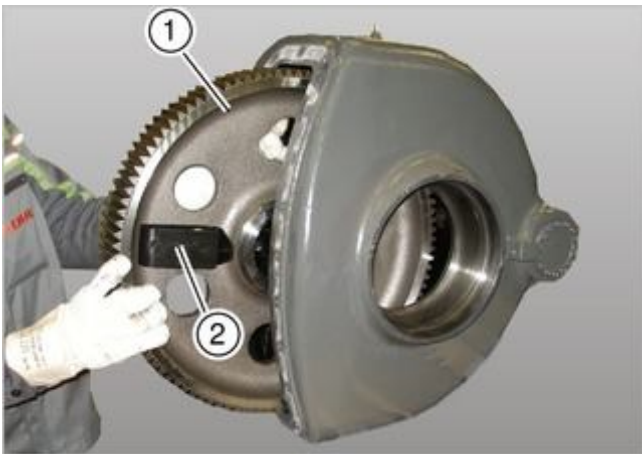
▫

- ▶ Suspend the axle carrier unit (1) with suitable lifting equipment and lift from the wheel shaft (2).



▫

- ▶ Remove cover (1).



▫

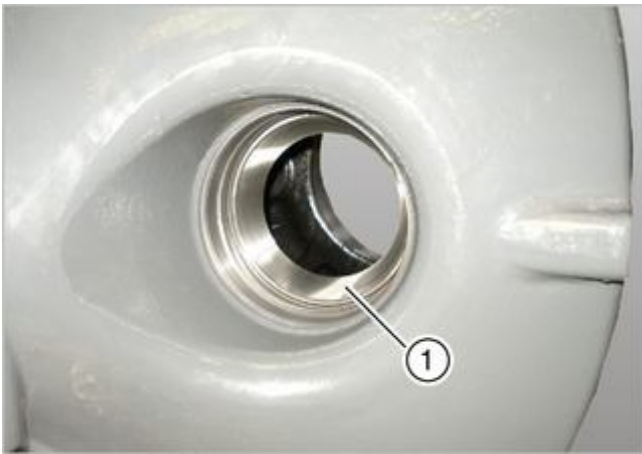
- ▶ Remove gear (1).
  - ▶ Ensure that the oil paddles (2) are **not** damaged.





▫

- ▶ Remove spacer sleeve (1).



▫

- ▶ Remove outer bearing race (1).

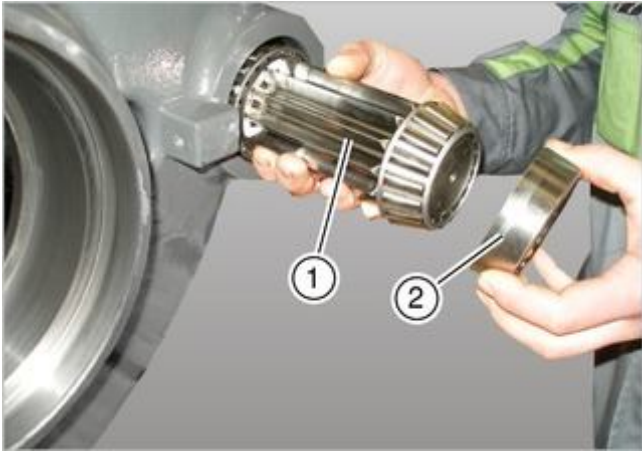


▫

Use special tool (II).

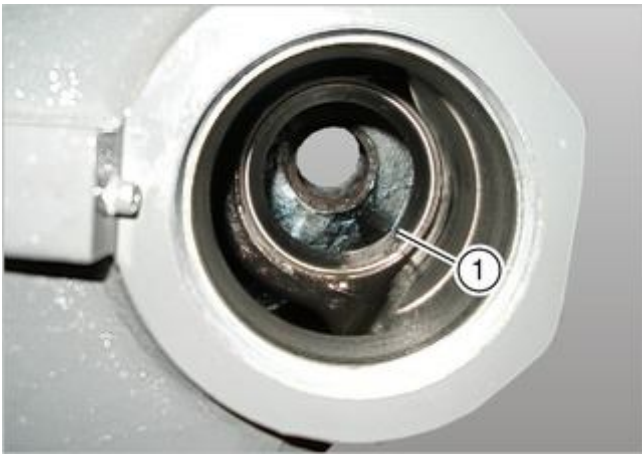
Axle carrier unit

- ▶ Unlock and unscrew bearing cover (1).



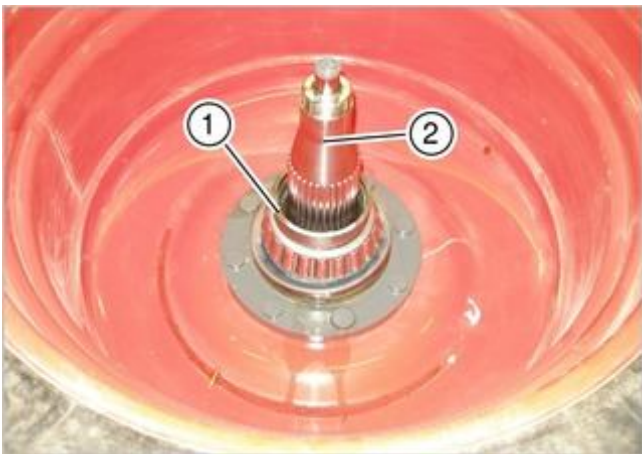
▫

- ▶ Remove shaft (1) and bearing outer race (2).



▫

- ▶ Remove outer bearing race (1).



▫

- ▶ Remove spacer ring (1).
- ▶ Remove wheel shaft (2).



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- ▶ Destroy the bearing cage of the bearing inner race (1).
- ▶ Pull off the bearing inner race (1) with a suitable puller. If necessary, heat up the bearing inner race.



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- ▶ Remove seal (1) and thrust ring (2).

## Assembling



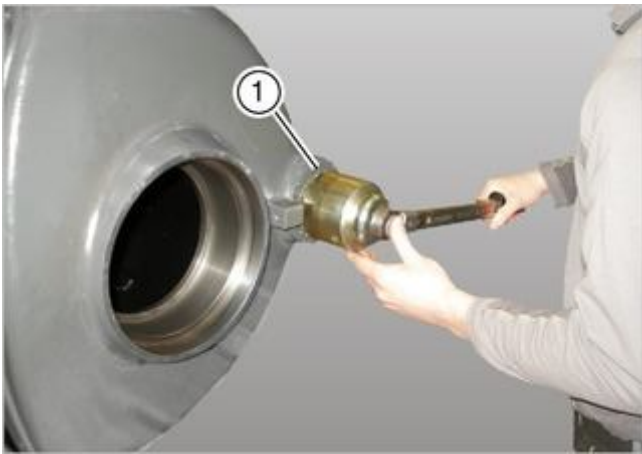
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- ▶ Heat up bearing inner races (1) and (2) to **approx. 100 °C** and install them on the drive shaft (3). Check the correct bearing seat with a blow.



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- ▶ Insert drive shaft (1) and bearing outer race (2).



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Use special tool (II).

Axle carrier unit

- ▶ Bolt down bearing cover (1).  
Do **not** secure the bearing cover!



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Use auxiliary tool (II).

Axle carrier unit

- ▶ Fit plug-on shaft (1) with profile bushing (2) and **without** bearing or radial shaft seal.

- ▶ Check the breakaway torque (b) with auxiliary tool (II).  
Breakaway torque (b):  
Axle carrier unit

- ▶ Remove plug-on shaft (1) and leave the profile bushing (2) in the installation position.



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- ▶ Secure bearing cover (1) with an expansion pin.



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Use auxiliary tool (III).

Axle carrier unit

- ▶ Install radial shaft seal (1).  
Insert seal with grease.  
Coat sealing faces with omniFIT FD 10.



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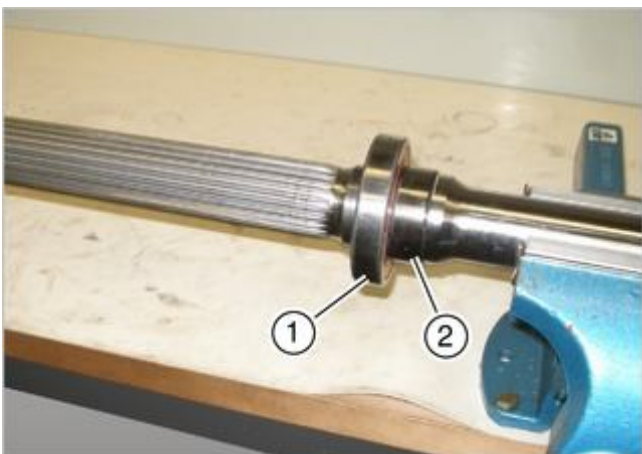


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Use auxiliary tool (IV).

Axle carrier unit

- ▶ Install radial shaft seal (1).  
Insert seal with grease.  
Coat sealing faces with omniFIT FD 10.



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- ▶ Clean the contact faces until free of rust and grease.
- ▶ Coat inner race (2) with Loctite 638 on the inside and install it on the plug-on shaft. Let adhesive points cure for **approx. 12 hours** after installation.
- ▶ Heat up bearing (1) to **around 100 °C** and install it.

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