


MAXFLEX 1200-1050

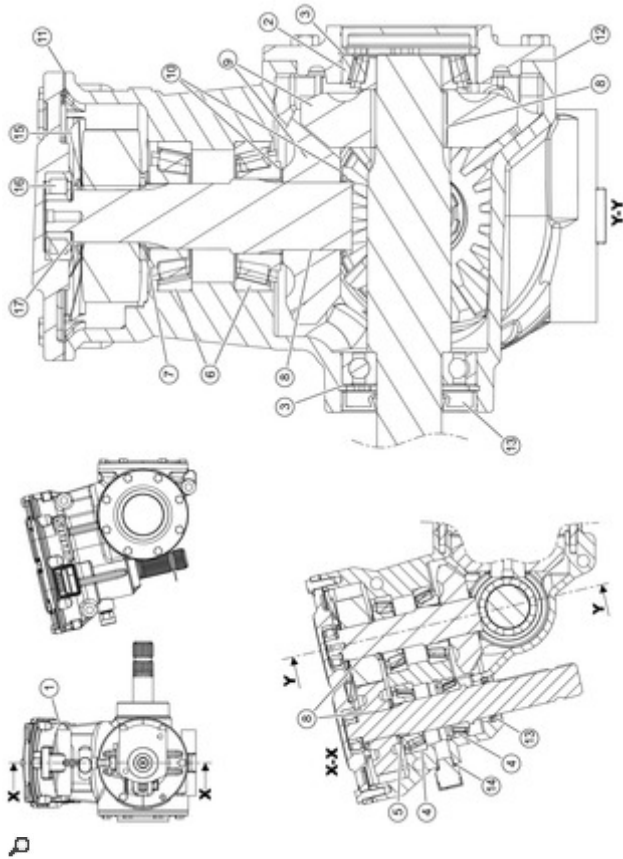
Repair manual

Putting the machine out of operation

Before work is carried out on the machine, perform the following steps:

- ▶ Stop the diesel engine.
- ▶ Engage the parking brake.
- ▶ Remove the ignition key.
- ▶ Remove the key of the battery isolating switch.
- ▶ Wait for machine parts which run on have come to a complete stop.
- ▶ Secure machine using wheel chocks. 
- ▶ Ensure that the machine cannot be started by any third persons.

Spur angular gearbox



Pos.	Value	CCN	Remark / designation
1	18 kg		Main gearbox
2, 3	0 to 0.1 mm		Heat up the bearing to around 100 °C for installation and removal. Adjust axial play of bearing with washers (3).
4, 5			Heat up the bearing to around 100 °C for installation and removal. Adjust bearing (4) to be free of play, using washers (5).
6, 7			Heat up the bearing to around 100 °C for installation and removal. Adjust bearing (6) to be free of play, using washers (7).
8			Coat the external spline with MOLYKOTE G-n plus.
9, 10	0.08 - 0.27 mm		Adjust the torsional backlash of bevel gears (9) with washers (3) and (10). Adjust the contact pattern of bevel gears (9), using engineer's blue.
11			Coat gasket with transmission oil.
12			Clean sealing faces thoroughly and coat with Omni-fit FD 10.
13			Insert seal with CLAAS AGRIGREASE EP 2.
14			Coat gasket with transmission oil.
15			Observe the installation position of the wing.
16, 17			Adjust bearing (16) to be free of play, using washers (17).
Torque values not specified, see section on torques			

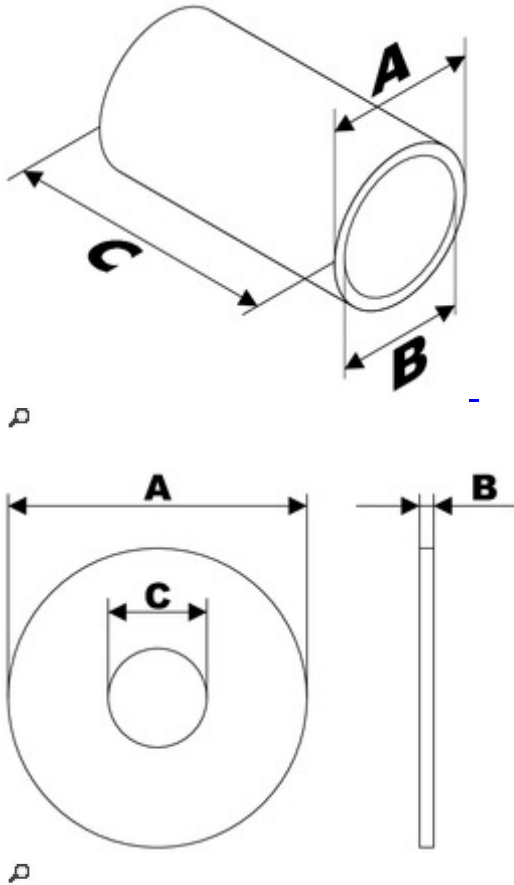
Work preparation

Operating utilities:

- ▶ Lubricants:
CLAAS AGRIGREASE EP 2 - 00 0147 437 0
MOLYKOTE G-n plus - 00 0177 571 0

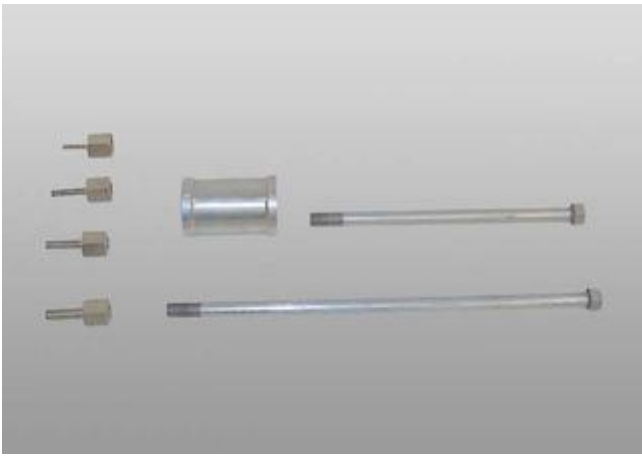
- ▶ Sealant and adhesive:
Omnifit FD 10 - 00 0219 027 0

Auxiliary tool:



Auxiliary tool (I)
1x tube, steel (self-manufactured) A= Ø 45 mm, B= Ø 40 mm, C=100 mm
1x washer, steel (self-manufactured) A= Ø 45 mm, B= 10 mm, C= Ø 7 mm
1x hex. bolt ISO 4017 M6x80
2x hex. nut DIN 6331 M6

Special tool

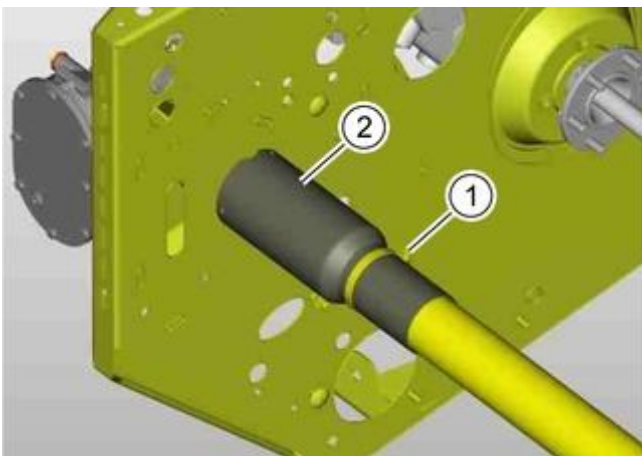


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	Special tool (I)	Pcs.
1	Slide hammer puller 00 0181 628 0	1
The following is needed from this set:		
	Striking tool 00 0181 604 0	1
	Tow bar M16x225 mm 00 0181 605 0	1
	Adapter M6 / M16 00 0181 607 0	1

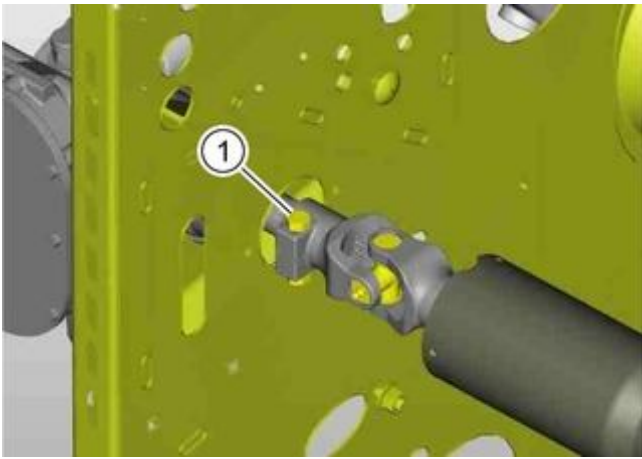
Removal

- ▶ Drain the spur angular gearbox oil.
- ▶ Remove the gearbox drive universal drive shaft.
[Gearbox drive universal drive shaft](#)



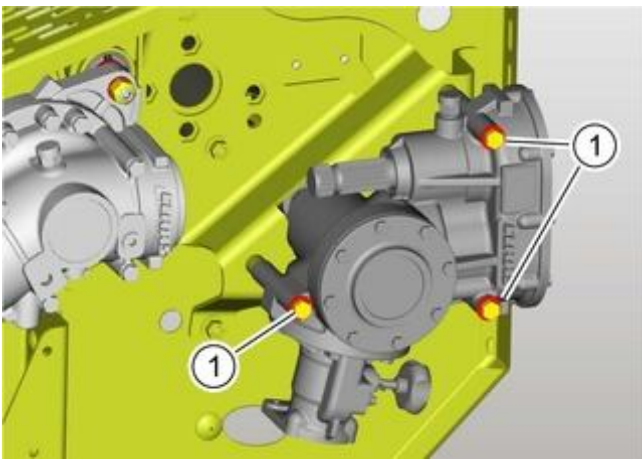
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- ▶ Unscrew the bolt (1).
- ▶ Push back cap (2).



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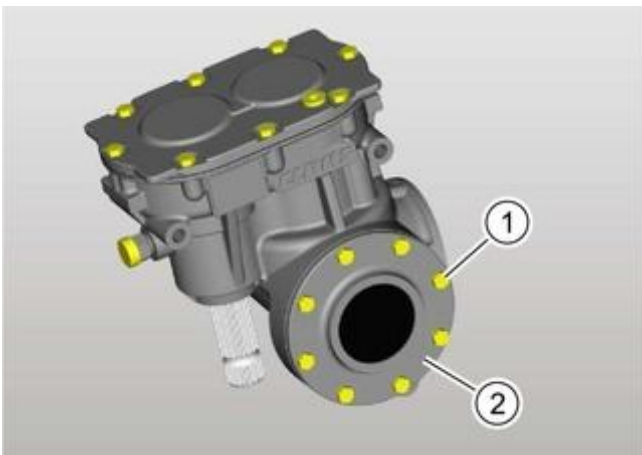
- ▶ Unscrew the bolt (1).



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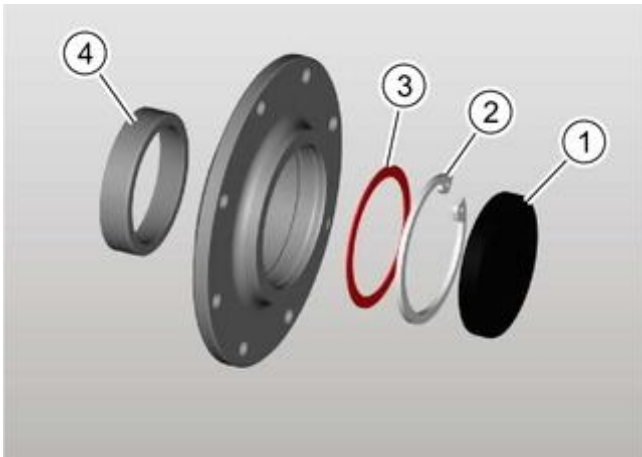
- ▶ Unscrew bolts (1).
 - ▶ Ensure that the gearbox will not fall down!

Disassembly



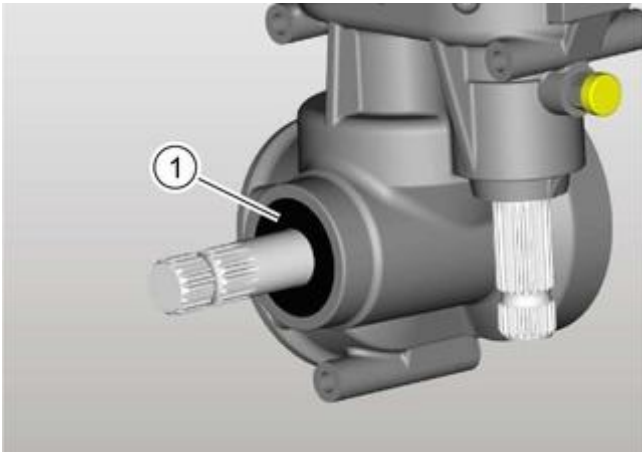
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- ▶ Unscrew bolts (1).
- ▶ Remove flange (2).



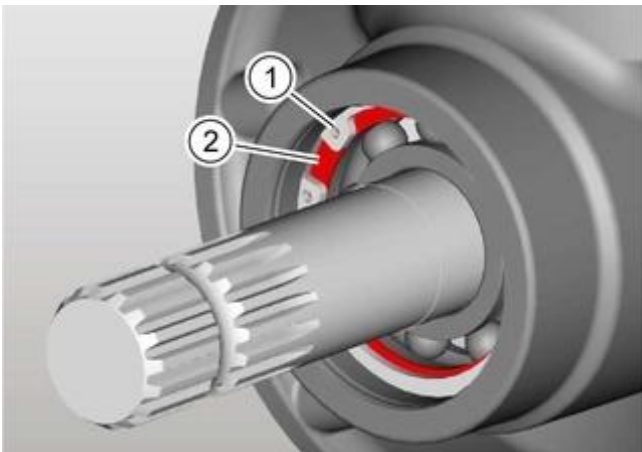
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- ▶ Remove lid (1).
- ▶ Remove circlip (2).
- ▶ Remove spacer ring (3).
- ▶ Remove outer bearing race (4).



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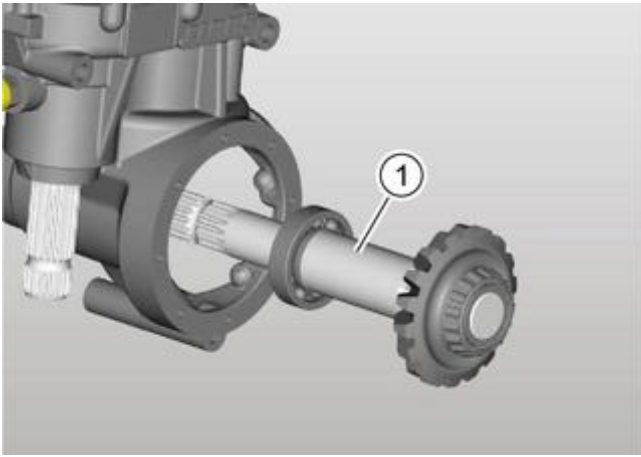
- ▶ Remove sealing ring (1).



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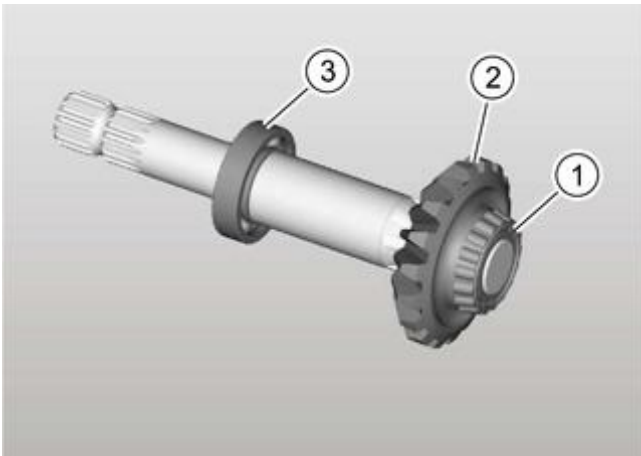
- ▶ Remove circlip (1).

- ▶ Remove spacer ring (2).



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- ▶ Drive out shaft (1).



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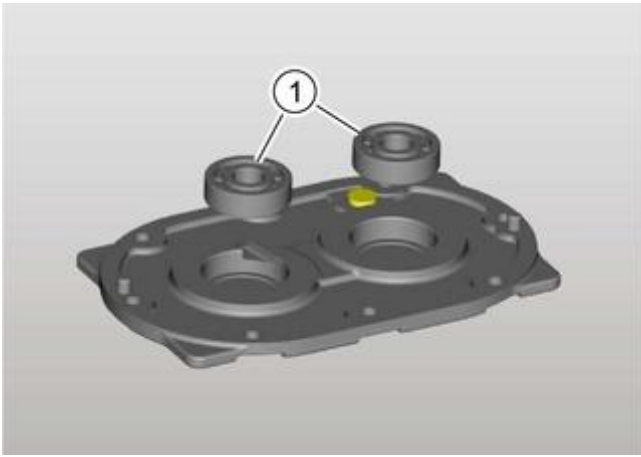
- ▶ Pull off bearing (1).
- ▶ Pull off gear (2).
- ▶ Pull off bearing (3).



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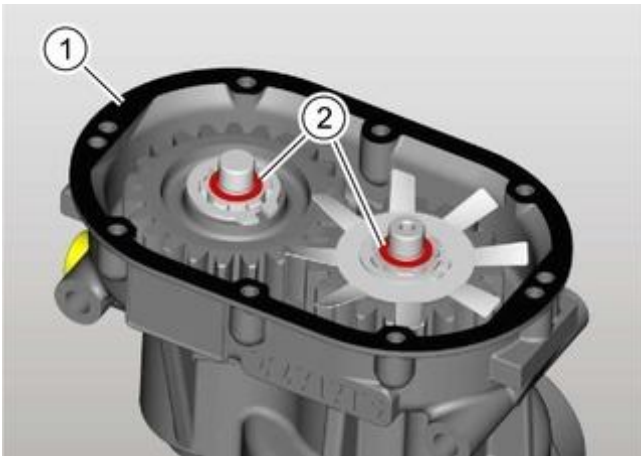
- ▶ Unscrew bolts (1).

- ▶ Remove cover (2).



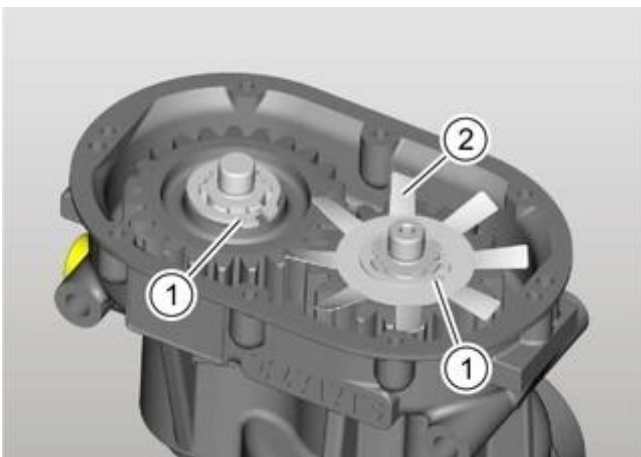
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- ▶ Remove bearings (1).



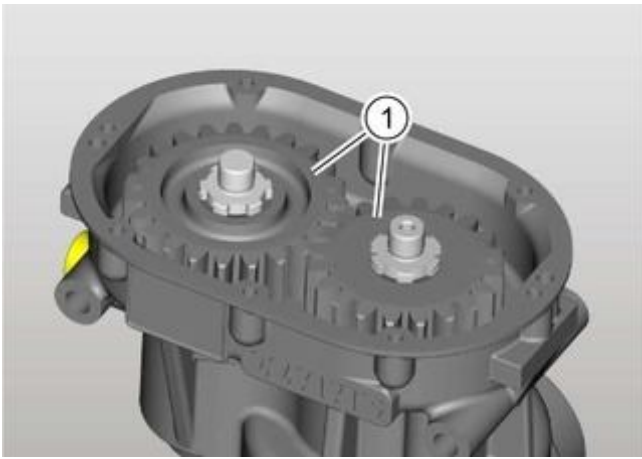
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- ▶ Remove seal (1).
- ▶ Remove spacer rings (2).



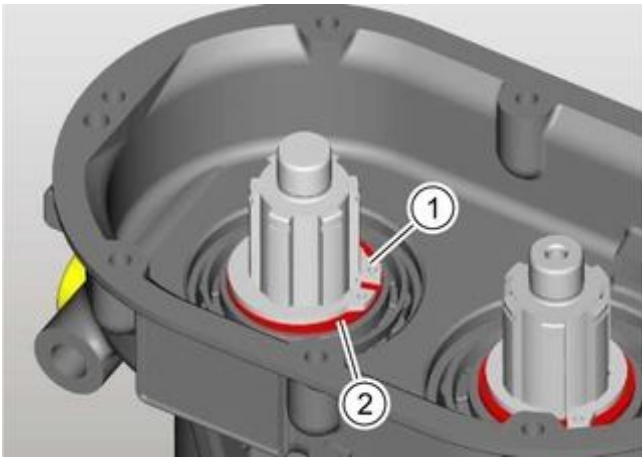
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- ▶ Remove circlips (1).
- ▶ Remove wing (2).



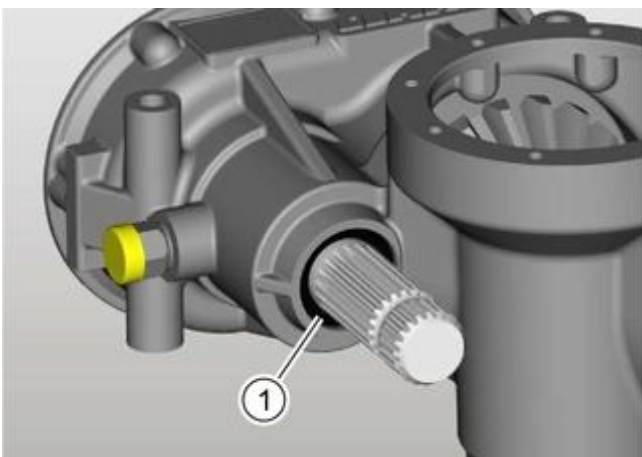
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- ▶ Remove gears (1).



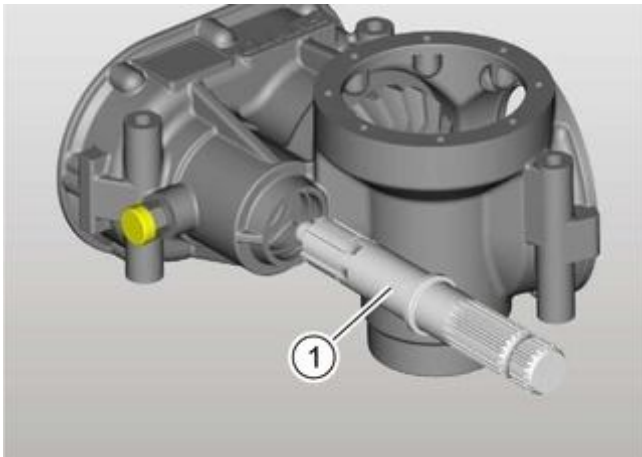
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- ▶ Remove circlip (1).
- ▶ Remove spacer rings (2).



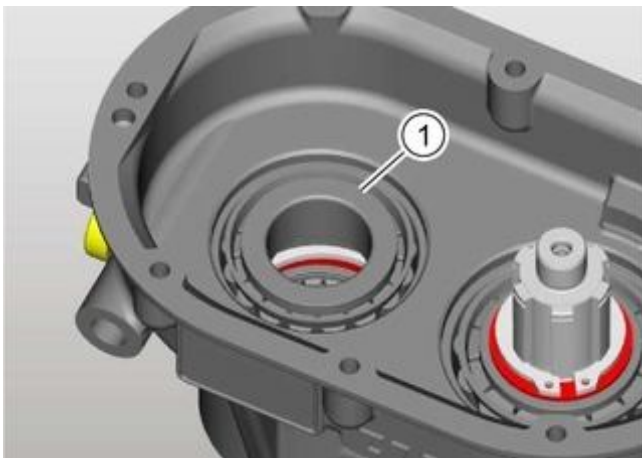
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- ▶ Remove sealing ring (1).



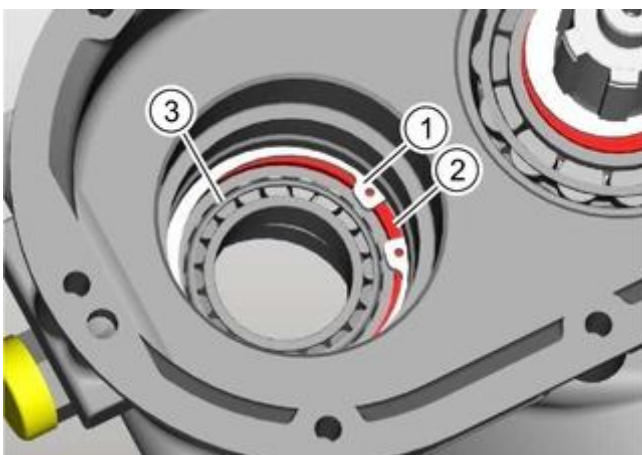
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- Drive out shaft (1).



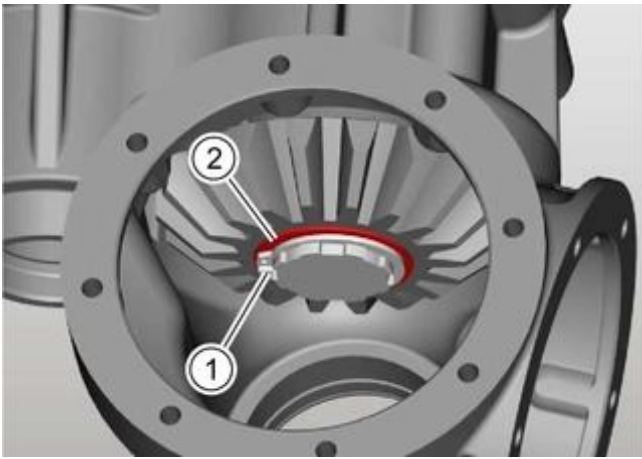
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- Remove bearing (1) completely.



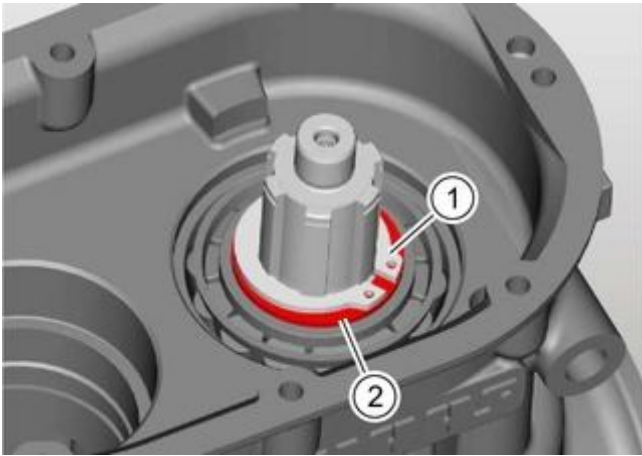
►

- Remove circlip (1).
- Remove spacer ring (2).
- Remove bearing (3) completely.



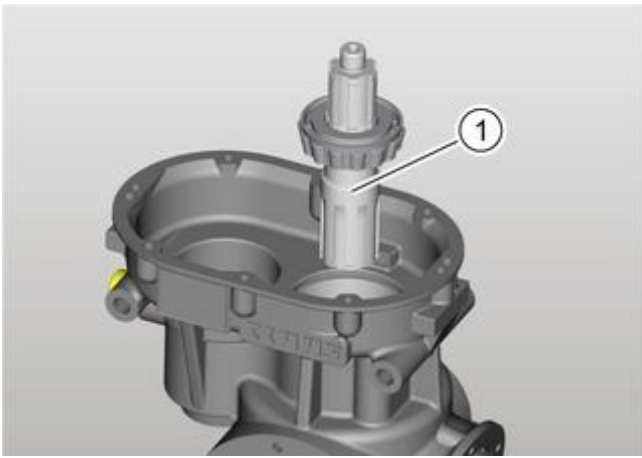
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- ▶ Remove circlip (1).
- ▶ Remove spacer ring (2).

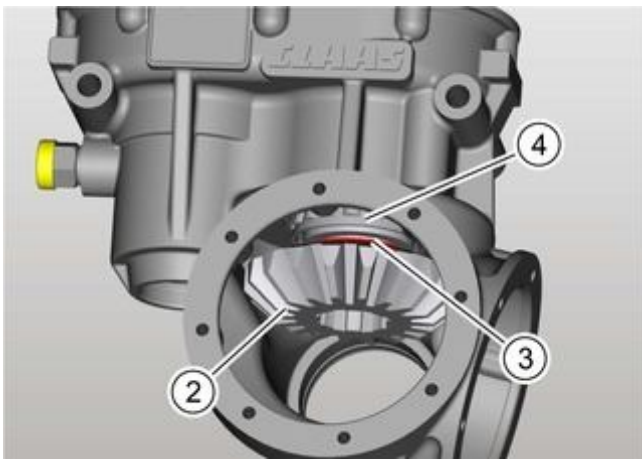


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- ▶ Remove circlip (1).
- ▶ Remove spacer rings (2).

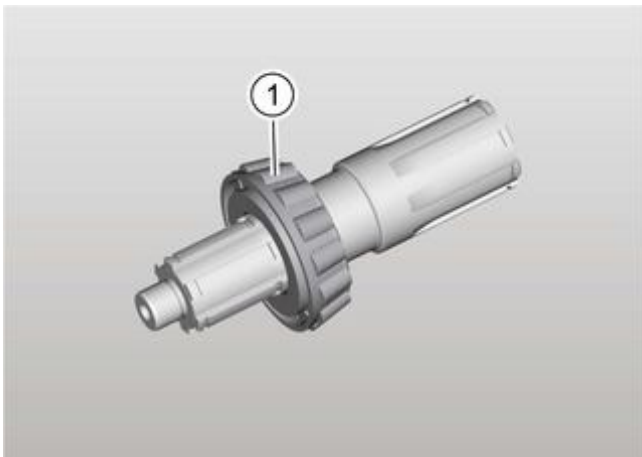


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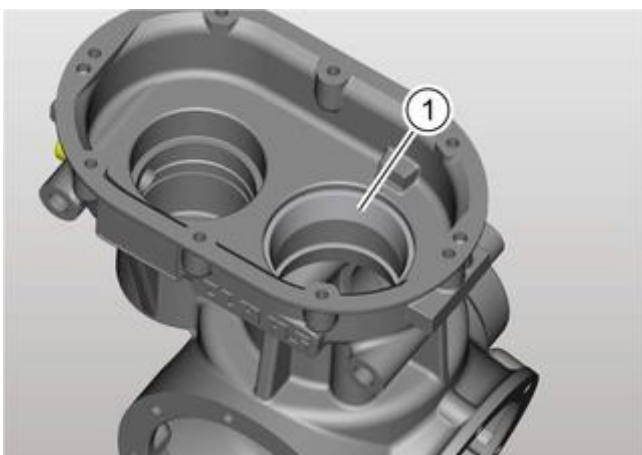
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- ▶ Remove shaft (1), using the special tool (I).
Spur angular gearbox
- ▶ Ensure that in this process, gear (2), spacer rings (3) and bearing inner race (4) will not fall out.



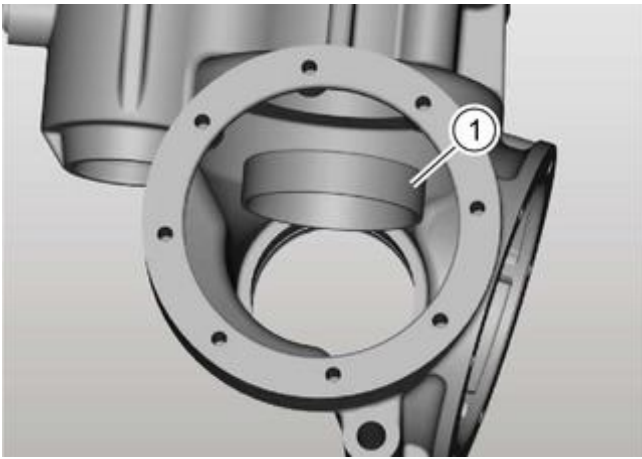
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- ▶ Pull off inner bearing race (1).



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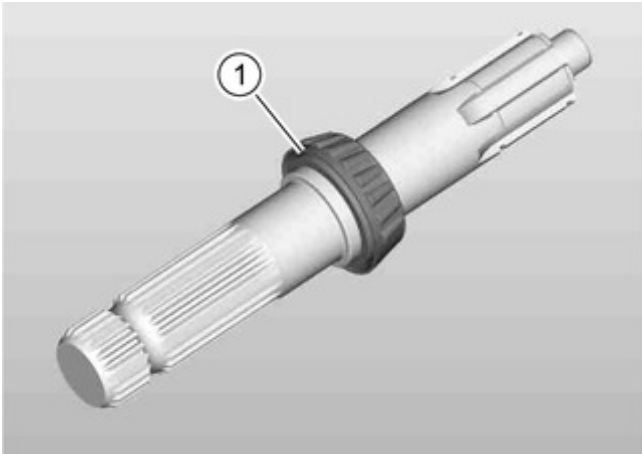
- ▶ Remove outer bearing race (1).



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- ▶ Remove outer bearing race (1).

Assembly

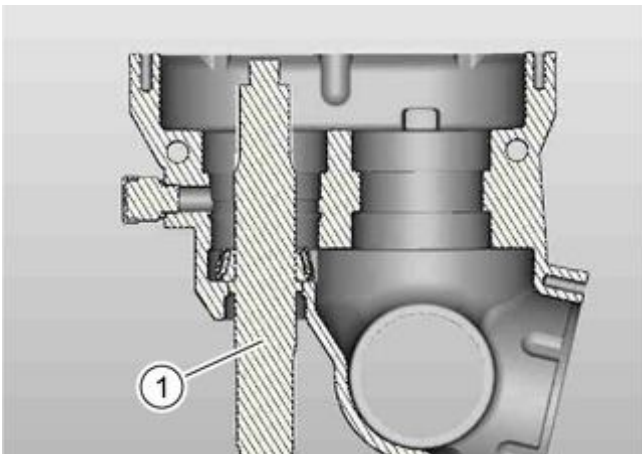


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Observe the specifications in the overview!

Spur angular gearbox

- ▶ Install inner bearing race (1).



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- ▶ Install shaft (1).

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