

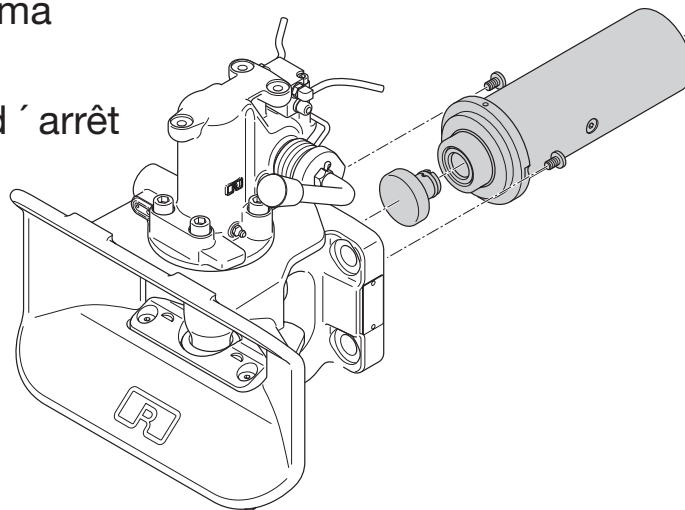
RO★50 BNA



Reparaturanleitung | Repair instructions | Manuel de réparation | Instrukcja naprawy

ROE71637, ROE52568

- Ⓓ Hydraulikeinheit, Stopprisma
- ⒼⒹ Hydraulic unit, Stop prism
- Ⓕ Unité hydraulique, Prisme d'arrêt
- Ⓗ Zespół hydrauliki,
Organicznik



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Liability

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Emphasis in the text

Explanation of symbols

For ease of readability and to provide a clear overview, different types of information are marked in different ways.

Sentences introduced with an arrow contain instructions to perform certain actions:

- Carry out instructions one after the other in the sequence described.

The following information is introduced by a dash:

- Lists
- Preconditions for actions to be executed subsequently
- Descriptions of previous work steps
- Descriptions of statuses

Warnings of hazards and risks

Important passages which must be observed, are especially emphasised:



DANGER!

Warns against immediate dangers which could lead to serious injury or death.

- Provides instructions for defence against or avoidance of dangers.

**WARNING!**

Warns against risks which could lead to serious injury or death.

- Demands safety measures to protect the persons concerned.

**CAUTION!**

Warns against risks which could lead to damage to property or personal injury (light injury).

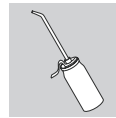
- Provides information for prevention of damage.

Illustrations

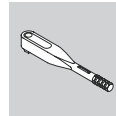
As necessary, texts are illustrated by pictures. The reference to a figure is made with a number in [square brackets]. Capital letters after a figure number, e.g. [12A] refer to the corresponding position in the picture.

Binding information**LUBRICANTS:**

- Lubricant for the previously described activity

**TIGHTENING TORQUES:**

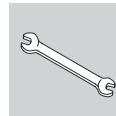
- Tightening torques for the listed bolted connections.

**Supplementary information**

The information symbol refers to instructions and recommendations as well as additional information.

**TOOLS:**

- List of the tools necessary for the subsequently described activities.

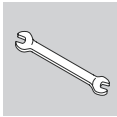


1.1 Stop prism

Stop prism

Requirements

- The towing hitch is under pressure and closed, the stop prism [1A] is extended

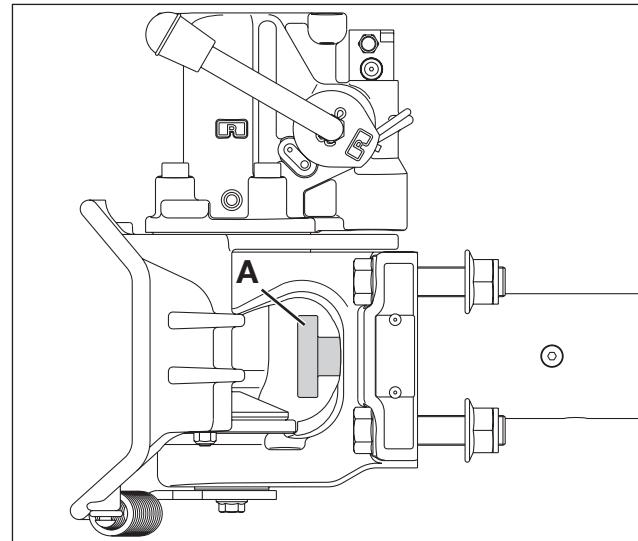


TOOLS:

- 2 x mounting irons
- Fitting paste ROE95078

Dismantling

- Place the mounting irons [2A] in position behind the stop prism and support them at the towing hitch body [2B]
- Lever the stop prism as far as possible out of the guide bush
- Open the hitch with the hand lever so that the guide can be extended into the hydraulic unit



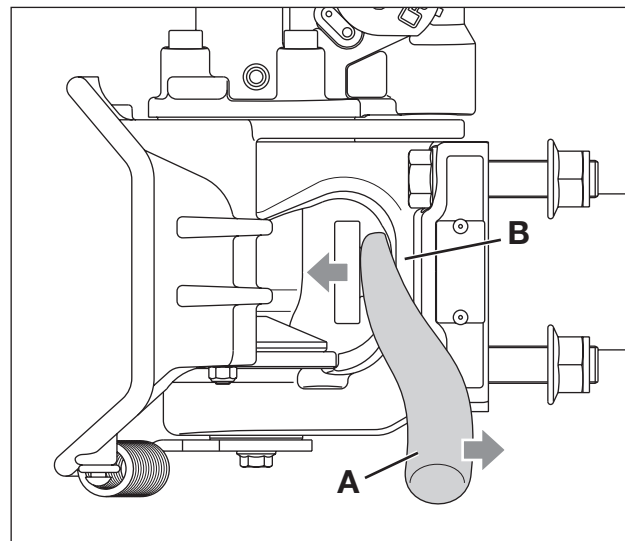
[1] A Stop prism

**WARNING!**

Risk of injury, the coupling pin is under high spring pressure. Do not place your hand near the coupling pin or the swivel range of the hand lever!

Unintentional closing of the towing hitch can cause serious injury.

→ Carefully remove the stop prism



- [2] **A** Mounting iron
B Towing hitch body

1.1 Stop prism

Stop prism

Assembly

Requirements

- The towing hitch is under pressure and open

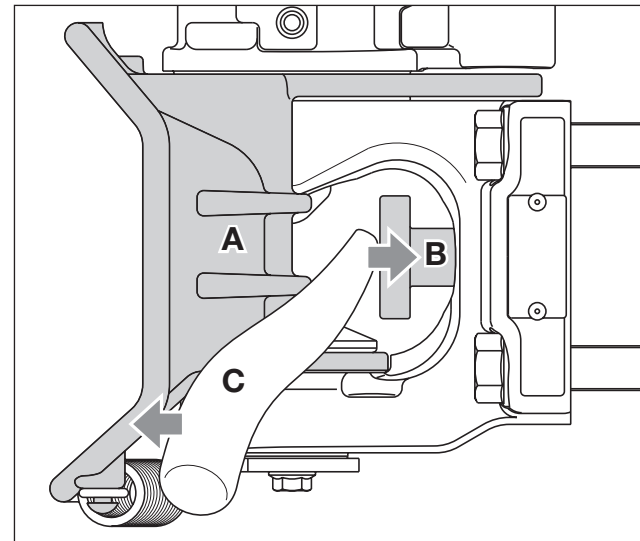


WARNING!

Risk of injury, the coupling pin is under high spring pressure. Do not place your hand near the coupling pin or the swivel range of the hand lever!

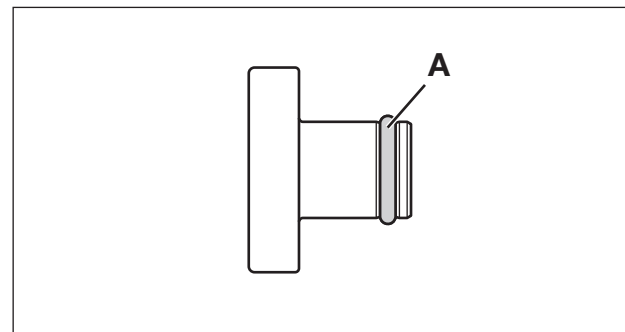
Unintentional closing of the towing hitch can cause serious injury.

- Clean the guide sleeve with a clean cloth
- Remove all grease from the guide sleeve
- Check the stop prism for wear before assembly unless it is a new part; wear dimensions, see Repair instructions RO*50 BNA www.jost-world.com
- Smear a thin film of special fitting past on the new O-ring [4A] and proceed briskly as the fitting paste dries quickly



- [3] **A** Funnel
B Stop prism
C Mounting iron

- Check that the funnel [3A] is arrested in the centre position.
- Press the stop prism [3B] firmly into the guide sleeve
- Place the mounting iron [3C] at the funnel and press the stop prism axially into the guide sleeve until the stop
- The O-ring [4A] must engage in the groove of the guide sleeve
- Close the towing hitch, the stop prism must come out in the Y direction
- Open the towing hitch, the stop prism withdraws back into the guide of the hydraulic unit
- Check the function of the towing hitch; Function-check see repair manual RO *50 BNA www.jost-world.com



[4] A O-ring



LUBRICANT:

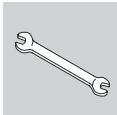
- Fitting paste ROE95078

1.2 Hydraulic unit

Complete hydraulic unit

Requirements

- System pressure released
- Towing hitch closed

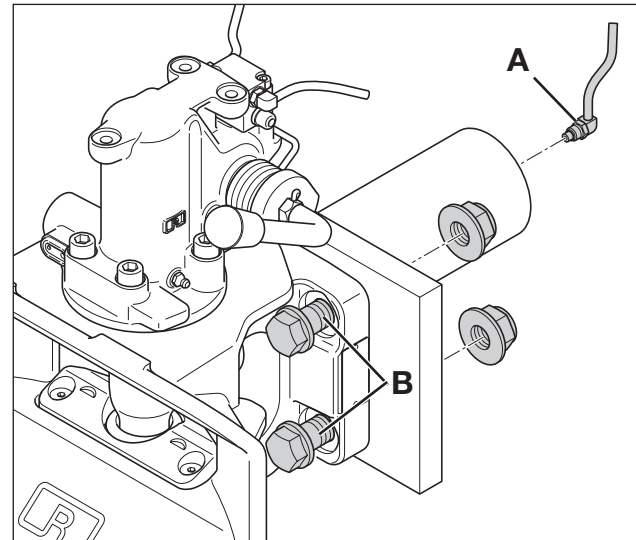


TOOLS:

- Ring or open-end spanner SW 27
- Ring or open-end spanner SW 30
- Large Philips screwdriver

Dismantling

- Release the cap nut [5A] and remove it along with the plug and the tube
- Protect the opening and the plug against dirt. No dirt must get into the hydraulic unit
- Remove the 4 bolts [5B] and take the towing hitch out of the cross member
- Release the 2 bolts [6A]
- Take out the hydraulic unit [6B]

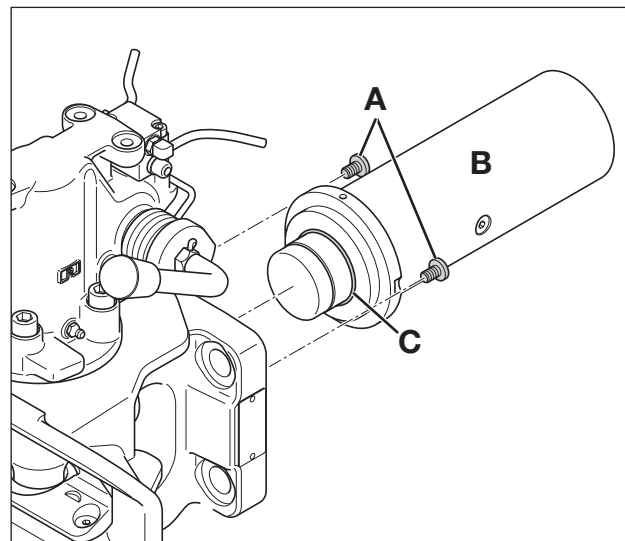


[5] **A** Cap nut with plug and tube
B Bolts

Assembly

The assembly is carried out in the reverse order. The following points must be observed in particular:

- Clean the mounting surface before assembly
- Replace the O-ring [6C]
- Place the hydraulic unit in the correct position and fix it with the bolts hand-tight
- The cross member must be in perfect condition
- Observe tightening torques
- Check the function of the hydraulic unit; see Stop prism assembly
- Check the function of the towing hitch; Function-check see repair manual
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- [6] A Bolts
 B Hydraulic unit
 C O-ring

TIGHTENING TORQUES:

- Towing hitch body to the cross member: 520 + 40 Nm





Technische Änderungen vorbehalten.
Aktuelle Informationen finden Sie unter:
www.jost-world.com

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JOST-Werke
Siemensstr. 2
D-63263 Neu-Isenburg
Telefon +49(0)61 02295- 0
Fax +49(0)61 02295-298
www.jost-world.com