ROE47137

- Kupplungsbolzen
- Coupling pin
- Axe d’accouplement
**Inhalt**

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**Voraussetzung zum Wechsel des Kupplungbolzens sind die Schritte 1.1 - 1.3!**

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**Pour changer l’axe d’attelage il faut impérativement exécuter les pas 1.1 à 1.3 !**

**The steps 1.1 - 1.3 are a precondition for the change of the coupling pin!**
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.
WARNINGS!
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 Hand lever

Hand lever
Requirements
- Coupling closed

TOOLS:
- mechanical pliers, angled
- combination pliers or pipe wrench
- flat-tip screwdriver, medium

Removal
- Remove washer and split pin [1A]
- Remove washer and split pin [1B]

CAUTION
- RISK OF INJURY! The tension on the locking spring [1A] is released when the hand lever [1D] is pulled out. Wear gloves!
- Release the tension on the locking spring [1C] by levering it out with a flat-tip screwdriver
- Pull out hand lever [1D]

[1] A Split pin and washer, hand lever
B Split pin and washer, closing lever
C Locking spring
D Hand lever
Installation

- Press the closing lever [2A] all the way down and hold it there
- Slide in the hand lever with spring
- Check that the hand lever is fitted correctly
  - When the coupling is closed, the lever is pointing to the front
- Tension the spring with the pipe wrench and hang it onto the closing lever
- Fit washers and two new split pins [2B]
- Secure the split pins against falling out: bend the end of the pin
- Check the coupling for correct functioning; Section 2.1

LUBRICANTS
- Multi-purpose grease

[2] A Closing lever
  B Split pins
1.2 Locking lever

Locking lever
Requirements
- Coupling closed
- Hand lever removed; Section 1.1

TOOLS:
- 2x open-end, ring or fork spanner, 8 mm

Removal
- Release and remove the bolt [3A]
- Remove cap [3B]
- Press the closing lever [3C] all the way down and hold it there
- Remove the locking lever [3D]
Installation

The installation takes place in the reverse sequence. Please take note of the following points:

- Before installation, thoroughly clean and grease the inside of the housing
- When fitting the cap, make sure that the cap spring [4A] is correctly fitted
- Replace locking nut [3E] M5 DIN 98N
- Install hand lever; Section 1.1
- Check the coupling for correct functioning; Section 2.1

LUBRICANTS
- Multi-purpose grease

TIGHTENING TORQUES:
- Bolt and nut [3A/E] on cap ............... 6 + 2 Nm
1.3 Closing lever

Closing lever
Requirements
- Coupling closed
- Hand lever removed; Section 1.1
- Locking lever removed; Section 1.2

TOOLS:
- flat-tip screwdriver, medium

Removal
- Press the release lever [5B] slightly back and hold it there
- Pull out the closing lever [5A]
Installation

- Press the release lever [5B] slightly back (y-direction) and hold it there
- Slide in the closing lever [5A]
- Check the release lever [5B] for correct function and smooth running
- Install the locking lever; Section 1.2
- Install the hand lever; Section 1.1
- Check the coupling for correction functioning; Section 2.1

NOTE!
If the release lever slips, it can be centred through the housing boring [5C] using the flat-tip screwdriver.
1.4 Coupling pin

Coupling pin

Requirements

- Coupling closed
- Hand lever removed; Section 1.1
- Locking lever removed; Section 1.2
- Closing lever removed; Section 1.3

TOOLS:

- flat-tip screwdriver, medium
- Locking plate for control pin, part no. ROE65632

Removal

⇒ Use the screwdriver to press the control pin [6A] outwards and arrest it using the locking plate [6B]
⇒ Remove the coupling pin [6C] from the top
Installation
The installation takes place in the reverse sequence. Please take note of the following points:

- Clean and grease the guide boring for the coupling pin thoroughly
- Install closing lever; Section 1.3
- Install locking lever; Section 1.2
- Install hand lever; Section 1.1
- Check the coupling for correct functioning; Section 2.1

LUBRICANTS
- Multi-purpose grease
2.1 Function check

Function check

Procedure

- Press the hand lever [7E] upwards until it engages
  - The control pin [7B] must now be clearly projecting (12 mm)
- Press the closing lever [8A] down all the way.
  - The control pin [8B] should now be no longer projecting

NOTE!
If the control pin is still projecting when the coupling is closed [9A]
- Replace the locking device,
  Repair instructions RO 244-2
  www.jost-world.com
- Replace the locking lever; Section 1.2
**Repair work**

[8] A Closing lever
   B Control pin

[9] A Wrong
[9] B Correct

Control pin in closed position